Monthly Index
of
Russian Accessions

Z 015
U25 [illegible]
v. 17, no. [illegible]
Aug.-Nov.
1964

Volume 17, No. 5

August

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

HUMANITIES

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index.* In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, $14.00 a year domestic, $5.00 a year additional for foreign mailing.

L. C. card, 48-46562

---

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzTeS	Arizona State College, Tempe
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt–H	— The Hoover Institution on War, Revolution, and Peace
CSt–L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU–A	— University of California, Davis
CU–B	— Bancroft Library, Berkeley
CU–E	— East Asiatic Library, Berkeley
CU–M	— Medical Center, San Francisco
CU–Riv	— College of Arts, Letters and Science, Riverside
CU–S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaNBFU	University of New Brunswick, Fredericton, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOCC	Carleton College, Ottawa, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collec Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréa Montreal
CaSSU	University of Saskatchewan, Saskatoon, Can
CoBBS	U. S. National Bureau of Standards, Boulde Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY–L	— Law Library
CtY–M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Librar
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Wa ington, D. C.
DDC	Dominican House of Studies, Immaculate C ception Convent Library, Washington, D.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI–GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library in grated with DI)
DN	U. S. Department of the Navy Library
DN–HO	— Naval Oceanographic Office Library
DN–Ob	— Naval Observatory Library
DN–RL	Naval Research Laboratory Library, Anacost Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI–AO	— Astrophysical Laboratory Library
DSI–E	— Bureau of American Ethnology Library
DSI–M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
HU	University of Hawaii, Honolulu
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicag
ICF	Chicago Natural History Museum, Chicago
ICJ	John Crerar Library, Chicago
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago

ICU-Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN-M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana
IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IaU-L	—College of Law Library
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MShM	Mount Holyoke College, South Hadley, Mass.
MWalB	Brandeis University, Waltham, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBJ-W	—William H. Welch Medical Library
MdBWA	Walters Art Gallery, Baltimore

MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-A	— Department of Agriculture Library, St. Paul
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NAurW	Wells College, Aurora, New York
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York

NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln
NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NcU-H	— Division of Health Affairs. (North Carolina Memorial Hospital)
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMoA	Air Reduction Company, Inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjPT	Princeton Theological Seminary, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSteC	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OU-CA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-EI	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
UPB	Brigham Young University, Provo, Utah
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown
WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 17, NO. 5 AUGUST 1964

TABLE OF CONTENTS

Part A—Monographic Works

Page

1. General 1609
2. Bibliography 1609
3. Philosophy & Religion 1609
4. History 1610
5. Social Sciences 1612
6. Political Science 1615
7. Law 1617
8. Education 1618
9. Music, Theater & Motion Pictures 1618
10. Fine Arts 1619
11. Language, Literature & Folklore 1620
12. Geography & Geology 1627
13. Science 1628
14. Medicine 1630
15. Agriculture 1632
16. Technology 1634
17. Military & Naval Sciences 1643

Part B—Periodicals

1. General
    - *a.* Scholarly journals 1645
    - *b.* Popular magazines 1648
2. Bibliography
    - *a.* Bibliography 1649
    - *b.* Libraries & library science 1649
    - *c.* Printing & the book trade 1649
3. Philosophy & Religion
    - *a.* Philosophy 1649
    - *b.* Religion 1650
4. History
    - *a.* General 1650
    - *b.* Archaeology & antiquities 1652
5. Social Sciences
    - *a.* Commerce 1652
    - *b.* Economics 1653
    - *c.* Finance 1655
    - *d.* Labor 1656
    - *e.* Sociology 1656
6. Political Science 1656
7. Law 1661
8. Education
    - *a.* General 1662
    - *b.* Physical education & games 1664

Page

9. Music, Theater & Motion Pictures

a. Motion pictures 1664
b. Music 1665
c. Theater 1665

10. Fine Arts

a. General 1666
b. Architecture 1666

11. Language, Literature & Folklore

a. Language 1667
b. Literature & folklore 1668

12. Geography & Geology

a. Ethnology 1670
b. Geography 1671
c. Geology & paleontology 1672

13. Science

a. General 1675
b. Astronomy 1682
c. Biology 1683
d. Chemistry 1690
e. Mathematics 1695
f. Physics 1696

14. Medicine

a. General 1701
b. Gynecology, obstetrics & pediatrics 1712
c. Neurology & psychiatry 1712
d. Ophthalmology & otorhinolaryngology 1713
e. Pathology & therapeutics 1714
f. Pharmacy & materia medica 1716
g. Public health & nursing 1717
h. Surgery & dentistry 1720
i. Venereology & dermatology 1722

15. Agriculture

a. General 1722
b. Animal industry 1727
c. Forestry 1728
d. Plant culture 1730

16. Technology

a. General 1731
b. Aeronautics 1733
c. Chemical technology 1734
d. Civil & construction engineering 1738
e. Electrical engineering 1742
f. Industries & trades 1746
g. Mechanical engineering 1749
h. Mining & metallurgy 1755

17. Military & Naval Sciences

a. Military science 1765
b. Naval science 1765

Part C—List of Periodicals Indexed and Abbreviations Used 1767
Subject Index to Monographs and Periodicals 1774

Periodicals Available in English Translation Cover-to-Cover.

1. GENERAL

HOMIN UKRAINY, VYDAVNYTSTVO, Toronto. [Almanac calendar of "Homin Ukrainy" for 1964, the year of the 150th anniversary of birth of the great kobzar of the Ukraine, T. Shevchenko, 1814-1964] Al'manakh [kalendar]... na rik 1964 u 150-richchia narozhdenniia velikoho kobzaria Ukrainy T. Shevchenka, 1814-1964. Toronto, Nakladom vyd-va "Homin Ukrainy," [n. d.] 199 p.

KRASNOYARSK. SIBIRSKII TEKHNOLOGICHESKII INSTITUT. [Collection of materials of conferences on the results of research carried out during 1962] Sbornik materialov konferentsii po itogam nauchno-issledovatel'skikh rabot za 1962 god. Krasnoiarsk.
Nos. 1-3. 1963.

MAKHMUDOV, E. G., comp. [Student's manual] Mekteblinin me'lumat kitaby. Baky, Azertedrisneshr, 1964. 158 p. [In Azerbaijani]

[SOVIET UKRAINIAN ENCYCLOPEDIA] Ukrains'ka Radians'ka Entsiklopediia. Holovna red. kolegiia: M. P. Bazhan ta inshi. Kyiv, Akad. nauk URSR.
Vol. 15. Tuman - TSement. [1964] 591 p.

2. BIBLIOGRAPHY

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Respublikanskii rukopisnyi fond. [Annotated catalog of manuscripts] Eliazmalary katalogu. Baky, Azerbaichan SSR Elmler Akad. neshriiiaty. [In Azerbaijani]
Vol. 1. 1963. 512 p.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut rukopisei. [Description of Georgian manuscripts in the collection (S) of the former Society for Dissemination of Literacy among the Georgian Population] Opisanie gruzinskikh rukopisei kollektsii (S) - byvshego Obshchestva rasprostraneniia gramotnosti sredi gruzinskogo naseleniia. Sost. i podgotovili k pechati: T. P. Enukidze i dr. Pod red. E. P. Metreveli. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian]
Vol. 3. 1963. 342 p.

BAGIROV, N. T. [400 years of Russian printing] Rus kitab neshrinin 400 illiii. Baky, Azerbaichan dovlet neshriiiaty, 1964. 46 p. [In Azerbaijani]

BRISKMAN, M. A., and M. P. BRONSHTEIN. [Compilation of bibliographic lists; a practical guide] Sostavlenie bibliograficheskikh posobii; prakticheskoe rukovodstvo. Moskva, Izd-vo "Kniga," 1964. 298 p.

KIRTOKA, A. S. [The N. K. Krupskaia State Republic Library of the Moldavian S. S. R.] Gosudarstvennaia respublikanskaia biblioteka MSSR im. N. K. Krupskoi. Kishinev, Kartia moldoveniaske, 1961. 80 p.
(ICU)

KNIZHNAIA PALATA AZERBAIDZHANSKOI SSR. [The Azerbaijani book; bibliography in three volumes] Azerbaidzhanskaia kniga; bibliografiia v trekh tomakh. Baky.
Vol. 1. 1780-1920. 1963. 219 p. [In Azerbaijani]

KOGOL'MAN, A. O. [In a book-stand; from work experience] V knizhnom kioske; iz opyta raboty. Moskva, Izd-vo "Iskusstvo," 1964. 62 p.

KOPCHENOV, S. V. [Book distribution store] Knizhnyi sklad. Izd. 2., perer. i dop. Moskva, "Iskusstvo," 1962. 78 p.

LENINGRAD. UNIVERSITET. Biblioteka. [Dissertations defended in the A. A. Zhdanov Leningrad State University; a bibliographical index, 1956-1958] Dissertatsii, zashchishchennye v Leningradskom ordena Lenina gosudarstvennom universitete imeni A. A. Zhdanova; bibliograficheskii ukazatel', 1956-1958. Leningrad, 1960.
(WaU)

LVOV. UNIVERSYTET. Biblioteka. [Dissertations, defended in 1946-1957 in the Lvov State University; bibliographic index] Dysertatsii, iaki zakhyshcheni u L'vivs'kom derzhavnomu universyteti im. Ivana Franka v 1946-1957 rr.; bibliografichnyi pokazhchyk. L'viv, 1959. 50 p.
(MH)

MORDOVIN, B. M. [Design of printing presses] Proektirovanie poligraficheskikh mashin. Moskva, Izd-vo "Kniga," 1964. 325 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Conference on reference and bibliographic work, January 23-25, 1961; materials] Soveshchanie po spravochno-bibliograficheskoi rabote, 23-25 ianvaria 1961 g.; sbornik materialov. Moskva, 1962. 215 p.
(NNC)

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [International book exchanges of Soviet libraries] Mezhdunarodnyi knigoobmen sovetskikh bibliotek. Moskva, Izd-vo "Kniga," 1964. 230 p.

NEMIROVSKII, E. L., and D. S. GORBACHEVSKII. [With books through the centuries and countries] S knigoi cherez veka i strany. Moskva, "Kniga," 377 p.

RANCANS, F. [Janis Misins and his library] Janis Misins un vina biblioteka. Riga, Latvijas Valsts izdba, 1963. 328 p. [In Latvian]

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography on natural sciences, technology and agriculture; a textbook] Bibliografiia estestvennonauchnoi, tekhnicheskoi i sel'skokhoziaistvennoi literatury; uchebnik. Moskva, Sovetskaia Rossiia.
Pt. 2. 1964. 291 p.

[TECHNOLOGY OF PRINTING IN TWO BOOKS] Tekhnologiia poligraficheskogo proizvodstva v dvukh knigakh. Moskva, "Kniga."
Book 2. Aleksandrova, M. I., and I. N. Shapiro. [Printing and the stitching and binding processes] Pechatnye i broshiurovochno-pereplotnye protsessy. Pod red. P. A. Popriadukhina. 1964. 323 p.

TIFLIS. GOSUDARSTVENNAIA RESPUBLIKANSKAIA BIBLIOTEKA. [Karl Marx State Republic Library of the Georgian S. S. R.; a short handbook] Gosudarstvennaia respublikanskaia biblioteka Gruzinskoi SSR im. K. Marksa; kratkii spravochnik. Tbilisi, 1963. 36 p.
(CSt-H)

VOROB'EVA-DESIATOVSKAIA, M. I., and others. [Description of the Chinese manuscripts of the Tun Huang Collection in the Institute of the Peoples of Asia] Opisanie kitaiskikh rukopisei Dun'khuanskogo fonda Instituta narodov Azii. Moskva, Izd-vo vostochnoi lit-ry.
No. 1. 1963. 773 p.

ZAGARINSKAIA, L. A., and B. N. SHAKHKEL'DIAN. [Printing materials] Poligraficheskie materialy. Moskva, Izd-vo "Kniga," 1964. 461 p.

3. PHILOSOPHY & RELIGION

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Chines manuscripts from Tun Huang; monuments of Buddhist folk literature] Kitaiskie rukopisi iz Dun'khuana; pamiatniki buddiiskoi literatury suven'siue. Izd. tekstov i predisl. L. N. Men'shikova. Moskva, Izd-vo vostochnoi lit-ry, 1963. 73 p. (Teksty. Bol'shaia seriia, XV)

BAIRAMOV, A. S. [How man learns to think and talk] Insan fikirleshmeii ve danyshmagy neche oirenmishdir Baky, Azerneshr, 1963. 69 p. [In Azerbaijani]

BIRIUKOV, B. V., D. I. KOSHELEVSKII, and A. E. FURMAN, eds. [Dialectical materialism and problems of natural science; lectures] Dialekticheskii materializm i voprosy estestvoznaniia; lektsii. [Moskva] Izd-vo Mosk. univ., 1964. 411 p.

BOGOMOLOV, A. S. [Anglo-American bourgeois philosophy of the imperialist period] Anglo-amerikanskaia burzhuaznaia filosofiia epokhi imperializma. Moskva, "Mysl'," 1964. 420 p.

BRYK, A. S. [Great mass murder; with the banner of the cross against Christ] Velyke liudovbyvstvo; zo znamenom khresta proty Khrysta. Winnipeg. [Christian Press] 1959. 159 p.
(CaOTU)

DZHAFARLI, T. M. [A builder of communism should have a fine character] Kommunizm guruchusu her chehetden kozel olmalydyr. Baky, Azerneshr, 1964. 101 p. [In Azerbaijani]

GAIDAMAVICIUS, PRANAS. [Great anxiety; a view into man's searching heart] Didysis nerimas; zhilgonh iieskancion zmogaus sirdin. Putnam, Conn., Immaculata, 1961. 207 p. [In Lithuanian]
(PU)

GOSTEEVA, E. I. [Philosophy of Vaisesika] Filosofiia Vaisheshika. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 208 p.
(MH)

IVASHKO, VOLODYMYR. [Schematism of the Saskatoon Ukrainian Catholic diocese on the 10th anniversary of its canonical establishment, 1951-1961] Shematyzm Saskatuns'koi ukrains'koi katolyts'koi ieparkhii z pryvodu 10-richchia kanonichnoi erektsii, 1951-1961. Yorkton, Sask. [Canada] Vydali ukrains'ki katolyts'ki sviashchenyky Saskachevanu, Drukarnia Holosu Spasitelia [1961] 115 p. [In Ukrainian and English]
(CaOTU)

KHUTSISHVILI, M. N., comp. [Science and religion; a guide to a travelling exhibition. Nauka i religiia; putevoditel' peredvizhnoi vystavki. Tbilisi] 1963. 43 p. [In Georgian]

KILADZE, V. S. [G. V. Plekhanov's philosophical views. Filosofskie vzgliady G. V. Plekhanova. Tbilisi] 1963. 166 p. [In Georgian]

KRYVELEV, I. A. [Marx and Engels on religion] Marks i Engel's o religii. Moskva, Izd-vo "Nauka," 1964. 200 p. (Nauchno-populiarnaia seriia)

KUBLANOV, M. M. [Jesus Christ—God, man, or a myth?] Iisus Khristos - bog, chelovek, mif? Moskva, Izd-vo "Nauka," 1964. 165 p. (Nauchno-populiarnaia seriia)

MOSCOW. AVIATSIONNYI INSTITUT IMENI SERGO ORDZHONIKIDZE. [Development of the theory of Marxism by V. I. Lenin; some problems of philosophy, economics, and the history of the CPSU] Razvitie V. I. Leninym teorii marksizma; nekotorye voprosy filosofii, politekonomii i istorii KPSS; sbornik statei pod red. A. A. Voronovicha, N. A. Kokareva i D. M. Troshina. Moskva, 1962. 264 p.
(MH)

NIUNKA, VLADAS. [From the First to the Second Vatican] Nuo Vatikano Pirmojo iki Vatikano Antrojo. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 89 p. [In Lithuanian]

OBSHCHESTVO PO RASPROSTRANENIIU POLITICHESKIKH I NAUCHNYKH ZNANII RSFSR. Irkutskoe oblastnoe otdelenie. [We can't be silent; an open letter to the members of the organization of "Jehovah's Witnesses"] My ne mozhem molchat'; otkrytoe pis'mo chlenam organizatsii "Svidetelei Iegovy." [Irkutsk, 1963] 14 p.
[MICROFILM]

RAMISHVILI, D. I. [Psychological characteristics of various kinds of speech. K psikhologicheskoi prirode razlichnykh vidov rechi. Tbilisi] 1963. 376 p. [In Georgian]

RUSSIA (1917- R. S. F. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of contemporary bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [Petrozavodsk] Rosvuzizdat, 1963. 181 p.

SATTAROV, M. M. [Development of the atheistic outlook among the Azerbaijani people in the period of the building of socialism] Sosializm guruchulugu dovrunde azerbaichan khalgynda ateizm duniakorushunun formalashmasy. Baky, Azerbaichan SSR elmler Akad. neshriiiaty, 1964. 188 p. [In Azerbaijani]

SIGUA, S. N. [The moral code of a builder of communism as a basis of the moral education of students. Moral'nyi kodeks stroitelia kommunizma - osnova nravstvennogo vospitaniia uchashchikhsia. Tbilisi, Gos. izd-vo "TSodna" M-va kul'tury Gruzinskoi SSR] 1963. 56 p. [In Georgian]

TITARENKO, A. I. [Pragmatist false Marxism as the philosophy of anticommunism; criticism of the contemporary pragmatist falsification of Marxist philosophy] Pragmatistskii lzhemarksizm - filosofiia antikommunizma; kritika sovremennoi pragmatistskoi fal'sifikatsii filosofii marksizma. [Moskva] Izd-vo Mosk. univ., 1964. 290 p.

VEINBERGS, J. [Origin of christianity] Kristianisma izcelsanas. Riga, Latvijas Valsts izd-ba, 1963. 253 p. [In Latvian]

VERBIN, A. I. [Basis and superstructure] Bazis i nadstroika. Moskva, Politizdat, 1964. 38 p. (Metodicheskie sovety po filosofii)

VIMMSAARE, KUULO. [Present-day ideology of the Lutheran Church] Luteri kiriku ideoloogiast tanapaeval. Tallinn, Riiklik Kirjastus, 1963. 71 p. [In Estonian]

4. HISTORY

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Azerbaichan tarikhi muzeii. Museum of History of Azerbaijan. Baky, Azerbaichan SSR elmler akad. neshriiiaty, 1964. 64 p. illus. [In 8 languages]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut rukopisei. [Bibliography of works of Academician E. S. Takaishvili] Bibliografiia trudov akademika E. S. Takaishvili. Tbilisi, Izd-vo Gruzinskoi SSR, 1963. 36 p. [In Georgian and Russian]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut vostokovedeniia. Voprosy istorii Blizhnego Vostoka. Studies in the history of the Near East. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 255 p. [In Georgian]

AKADEMIIA NAUK SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [Struggle for the establishment and consolidation of the Soviet regime in Yakutia] Bor'ba za ustanovlenie i uprochenie Sovetskoi vlasti v IAkutii; sbornik dokumentov i materialov. IAkutsk, IAkutskoe knizhnoe izd-vo.
Pt. 2. Book 2. [Collapse of the Pepeliaev venture] Razgrom pepeliaevskoi avantiury. 1962. 391 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Soviet historical science between the 20th and the 21st Congresses of the CPSU] Sovetskaia istoricheskaia nauka ot XX k XXI s"ezdu KPSS; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1962-63. 2 v.
(NN)

AKADEMIIA NAUK SSSR. Komi filial, Syktyvkar. [Outline history of the Komi A. S. S. R.] Ocherki po istorii Komi ASSR. [Syktyvkar] Komi knizhnoe izd-vo, 1955-1962. 2 v. illus., maps. (part fold.)
(MdBJ)

AKHALAIA, I. D., comp. [The Revolutionary Committees of Georgia in the struggle for the establishment and consolidation of the Soviet regime, from February 1921 to March 1922; documents and materials] Revoliutsionnye komitety Gruzii v bor'be za ustanovlenie i uprochenie Sovetskoi vlasti (fevral' 1921 g.-mart 1922 g.); sbornik dokumentov i materialov. Sukhumi, Abgosizdat, 1963. 533 p.

AKHUNDOV, V. IU. [150 years since Azerbaijan's becoming part of Russia; a report to the activist group meeting on March 13, 1964] 150 let vkhozhdeniia Azerbaidzhana v sostav Rossii; doklad na sobranii aktiva 13 marta 1964 goda. Baku, Azerneshr, 1964. 60 p.

ALEKSEEV, N. I. [Chukcha scientist Nikolai Daurkin] Uchenyi chukcha Nikolai Daurkin. [Magadan] Magadanskoe knizhnoe izd-vo, 1961. 86 p.
(MiU)

ALMA-ATA. GOSUDARSTVENNAIA RESPUBLIKANSKAIA PUBLICHNAIA BIBLIOTEKA. [Works of Vladimir Il'ich Lenin; bibliographic index] Proizvedeniia Vladimira Il'icha Lenina; bibliograficheskii ukazatel'. Sost. S. A. Akashev. Otv. red. E. Altbaev. [Alma-Ata, 1963] 54 p. [In Kazakh]
(MH)

AMELIN, G. K. [The Petrograd Military Revolutionary Committee and its role in the consolidation and protection of the conquests of the Great October Socialist Revolution from October to December 1917] Petrogradskii Voenno-revoliutsionnyi komitet i ego rol' v zakreplenii i okhrane zavoevanii Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; oktiabr' - dekabr' 1917 goda. Moskva, Vses. iurid. zaochnyi in-t, 1963. 41 p.

BAKRADZE, G. V. [From the history of the struggle of the Communist Party of France against Hitler's occupants; 1939-1944. Iz istorii bor'by Kompartii Frantsii protiv gitlerovskikh zakhvatchikov; 1939-1944 gg. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 65 p. [In Georgian]

BOBKOV, I. S. [Participation of communication workers in the Great October Socialist Revolution; a textbook for students of the correspondence courses at communication institutes studying the course "History of the CPSU"] Uchastie sviazistov v Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; uchebnoe posobie dlia studentov-zaochnikov vuzov sviazi pri izuchenii kursa "Istoriia KPSS." Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 63 p.

BOCKLER, TEDDI. [The town hall of Tallinn] Tallinna raekoda. Tallinn, Eesti Riiklik Kirjastus, 1964. 103 p. illus. [In Estonian]

BOGDANOV, S. I., and IA. MAKSHINSKII. [This happened in Rzhev] Eto bylo v Rzheve. [Kalinin] Kalininskoe knizhnoe izd-vo, 1960. 140 p.
[MICROFILM]

BORULIA, V. L. [Days of a great life; sketches and stories on V. I. Lenin] Dni velikoi zhizni; ocherki i rasskazy o V. I. Lenine. [Moskva] "Molodaia gvardiia," 1964. 140 p.

BRANKS, VOLDEMARS. [In the storm of battles; description of the military operations on the Riga front, 1915-1918] Kauju negaisos; kara gaitu apraksti Rigas fronte 1915-1918 gaga. 2. papildinatais un parstradatais izdevums. Riga, Latvijas Valsts izd-ba, 1964. 454 p. [In Latvian]

BULATSKII, G. V. [Soldier of Lenin's guards; a sketch of the life and work of P. N. Lepeshinskii] Leninskoi gvardii soldat; ocherk o zhizni i deiatel'nosti P. N. Lepeshinskogo. Minsk, Belarus', 1963. 310 p.
(MH)

[CAMPAIGN OF THE RUSSIAN ARMY AGAINST NAPOLEON IN 1813 AND THE LIBERATION OF GERMANY; a collection of documents] Pokhod russkoi armii Napoleon v 1813 g. i osvobozhdenie Germanii; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 537 p.

CHECHEL'NITSKII, G. A. [Fighter pilots fought] Srazhalis; letchiki-istrebiteli. Moskva, Voenizdat, 1964. 180 p.

CHESNOKOV, N. G. [Ural'sk is 350 years old] Ural'sku 350 let. Alma-Ata, Kazgosizdat, 1963. 164 p.

DORONIN, P. G. [Struggle for Soviet power in the Komi region, 1917-1918. Bor'ba za Sovetskuiu vlast' v Komi krae [1917-1918] Syktyvkar, Komi knizhnoe izd-vo] 1961. 105 p. [In Komi]
(MH)

DUBINA, K. K. [In the years of severe trials] V gody tiazhelykh ispytanii. Kiev, Kievskoe obl. knizhno-gazetnoe izd-vo, 1962. 263 p.
(MiU)

EESTIMAA KOMMUNISTLIK PARTEI. Keskkomitee. Partei Ajaloo Instituut. [In the name of the triumph of communism] Kommunismi voidu nimel. Tallinn, Eesti Riiklik Kirjastus, 1962. 205 p. [In Estonian]
(MH)

EVSTIGNEEV, V. N. [70 heroic days; a short historical sketch of the defense of Odessa] 70 geroicheskikh dnei; kratkii istoricheskii ocherk oborony Odessy. Moskva, Izd-vo "Nauka," 1964. 101 p. (Nauchno-populiarnaia seriia)

FILATOV, G. S. [Italian Communists in the Resistance movement] Ital'ianskie kommunisty v dvizhenii Soprotivleniia. Moskva, Izd-vo "Mysl'," 1964. 222 p.

FOTIEVA, L. A. [Recollections on V. I. Lenin, from December 1922 to March 1923] Iz vospominanii o V. I. Lenine (dekabr 1922 g.-mart 1923 g.). Moskva, Politizdat, 1964. 79 p.

GOGIDZE, SH. I. [V. I. Lenin, the first deputy of the Moscow Soviet. V. I. Lenin, pervyi deputat Moskovskogo soveta. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 37 p. [In Georgian]

GUSHCHIN, A. M. [Course laid with fire] Kurs prolozhennyi ognem. Moskva, Voenizdat, 1964. 162 p. (Voennye memuary)

HAAPSALU. RAJOONIDEVAHELINE KODULOOMUSEUM. [The Haapsalu museum] Haapsalu muuseum. Haapsalu, 1963. 62 p. [In Estonian and Russian]
[MICROFILM]

[HEROES AND EXPLOITS] Geroi i podvigi. Moskva, Voenizdat.
Book 2. 1964. 305 p.

HRYN'KO, DMYTRO. [Feeling of brotherhood; Ukrainian Soviet writers on friendship among peoples] Pochuttia braterstva; ukrains'ki radians'ki pys'mennyky pro druzhbu narodiv. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 88 p.
(CaOTU)

IAKOBSON, A. L. [Medieval Crimea; an outline of its history and the history of its material culture] Srednevekovyi Krym; ocherki istorii i istorii material'noi kultury. Moskva, Izd-vo "Nauka," 1964. 230 p. illus.

IBN AL-ATHIR. Al-Kamil fi-t-Tarikh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1959. 216 p. [In Azerbaijani]
(NjP)

IKONNIKOV, M. I. [In a stone sack; notes of a former prisoner in the fascist torture-chambers] V kamennom meshke; zapiski byvshego uznika fashistskikh zastenkov. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 70 p.
(CSt-H)

ILIUSHECHKIN, V. P. [China on the way to socialism] Kitai na puti k sotsializmu. Moskva, Goskul'tprosvetizdat, 1954. 74 p. (Bibliotechka v pomoshch' lektoru, no. 24)

[IMMORTAL HEROES; stories of Hungarian revolutionists. Translated from the Hungarian] Geroi bessmertny; rasskazy o vengerskikh revoliutsionerakh. Moskva, Politizdat, 1964. 240 p.

JOHNSON, OAKLEY C. [The day is coming; life and work of Charles E. Ruthenberg. Translated from the English] Den' griadet; zhizn' i deiatel'nost' Charlza E. Rutenberga (1882-1927 gody). Moskva, Izd-vo inostr. lit-ry, 1963. 246 p.
(CSt-H)

KALCHEV, KAMEN. [Son of the working class; [illegible] biography of Georgi Dimitrov] Syn [illegible] klasu; [illegible] biografiia Heorhiia Dymytrova. Kyiv, Molod', 1964. 238 p.

KASYMOV, G. K. [The city of Osh, a short essay on its history] Gorod Osh; kratkii istoricheskii ocherk. Osh, Oshskoe obl. [illegible] 1964. 85 p.
[MICROFILM]

KAZAMANOVA, L. N. [Essays on the social and economic history of Crete in the fifth to fourth centuries B.C.] Ocherki sotsial'no-ekonomicheskoi istorii Krita V—IV vv. do n.e. [Moskva] Izd-vo Mosk. univ., 1964. 188 p.

KHASHULATOV, A. I. [Checheno-Ingushetia on the eve of the first Russian bourgeois democratic revolution] Checheno-Ingushetiia nakanune pervoi russkoi burzhuazno-demokraticheskoi revoliutsii. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1963. 75 p. (K istorii narodov Checheno-Ingushetii)
(CSt-H)

KICHEV, M. [From the history of the struggle for the consolidation of Soviet rule in Daghestan, 1920-1921] Iz istorii bor'by za uprochenie Sovetskoi vlasti v Dagestane (1920-1921 gg.) Makhachkala, Dagestanskii filial Akad. nauk SSSR, 1963. 101 p.

KLIASHTORNYI, S. G. [Old Turkic runic monuments as a source of the history of Central Asia] Drevnetiurkskie runicheskie pamiatniki kak istochnik po istorii Srednei Azii. Moskva, Izd-vo "Nauka," 1964. 215 p.

KOMAKHIDZE, N. V. [Downfall of colonialism in the East] [illegible] Tbilisi, [illegible] 1963. 72 p. [In Georgian]

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. [illegible] oblastnoi komitet. Partiinyi arkhiv. [Unforgettable years. Collection of recollections of the old members of the Communist Party of the Soviet Union] Nezabyvaemye gody. Sbornik vospominanii staryh chlenov Kommunisticheskoi partii Sovetskogo Soiuza. [illegible] [illegible] knizhnoe izd-vo, 1963. 131 p.
(ViU)

KOMMUNISTICHESKAIA PARTIIA UKRAINY. Khersonskii oblastnoi komitet. Partiinyi arkhiv. [Revolutionary struggle in the Kherson region in 1905-1907; documents and materials] Revoliutsionnaia bor'ba na Khersonshchine v 1905-1907 gg., sbornik dokumentov i materialov. Red. kollegiia: [illegible] [illegible] [illegible] Khersonskoe knizhnoe izd-vo, 1963. 179 p.
(CSt-H)

KOVALEV, S. I., and M. M. KUBLANOV. [Finds in the Judean Desert; discoveries in the Dead Sea region, and the problems of the origin of Christianity] Nakhodki v Iudeiskoi pustyne; otkrytiia v raione Mertvogo moria i problemy proiskhozhdeniia khristianstva. Izd. 2., perer. i dop. Moskva, Politizdat, 1964. 169 p.

KRASNODARSKII KRAI. Gosudarstvennyi arkhiv. [Guidebook to the state archives of Krasnodar Territory] Putevoditel' po gosudarstvennomu arkhivu Krasnodarskogo kraia. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 201 p.
(MH)

[illegible], I. S., and A. O. CHUBAR'IAN. [Outline history of the foreign policy of the U.S.S.R., 1917-1963; a textbook for secondary school teachers] Ocherk istorii vneshnei politiki SSSR (1917-1963 gg.); posobie dlia uchitelei srednei shkoly. Moskva, Izd-vo "Prosveshchenie," 1964. 327 p.

KRIVITSKII, A. IU. [I shall never forget; notes of a war correspondent] Ne zabudu vovek; zapiski voennogo korrespondenta. Moskva, Voenizdat, 1964. 175 p.

KULICHENKO, M. I. [V. I. Lenin and the Khar'kov Bolshevik Organization, 1895-1917] V. I. Lenin i Khar'kovskaia bol'shevistskaia organizatsiia, 1895-1917 gg. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. [illegible] p.
(MH)

KUNETSKAIA, L. I., and K. A. [illegible]. [Visiting places where Lenin lived and worked in the Kremlin] Po leninskim mestam Kremlia. [Moskva] Mosk. rabochii, 1964. 152 p.

KURGAN (Province) Upravlenie vnutrennikh del. Arkhivnyi otdel. [The Southern Transurals in the period of the Civil War, 1918-1920; a collection of documents and materials] IUzhnoe Zaural'e v period grazhdanskoi voiny (1918-1920 gg.); sbornik dokumentov i materialov. Kurgan, Izd-vo gazety "Sovetskoe Zaural'e," 1963. 287 p.

LENIN, V. I. [Central Asia and Uzbekistan] O Srednei Azii i Uzbekistane. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1957. 178 p.
(CSt-H)

LENIN, V. I. [Collected works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Izd-vo polit. lit-ry.
Vol. 44. [June 1921-March 1922] Iiun' 1921-mart 1922. 1964. 725 p.
Vol. 45. [March 1922-March 1923] Mart 1922-mart 1923. 1964. 729 p.

LEVINAS, DOVYDAS. [Africa breaks her chains] Afrika traukia pancius. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 104 p. [In Lithuanian]
(MH)

LIUBOVTSEV, V. I. [Fighters do not kneel] Boitsy na koleni ne vstaiut. Moskva, Politizdat, 1964. 324 p.

MAGERRAMOV, S. M. [Method for using local material in treating the theme "The Great October Socialist Revolution"] "Böjük Oktjabr sosialist inqilaby" [illegible] tädrisindä jerli materiallardan istifadä [illegible]. Baky, [illegible], 1963. 65 p. [In Azerbaijani]

MALKOV, V. M. [On the northern bridgehead; sketches from the history of the struggle for the Soviet North in 1918-1920] Na severnom platsdarme; ocherki iz istorii bor'by za Sovetskii Sever v 1918-1920 godakh. [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 1[illegible] p.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Chronicle of international events in 1962] Khronika mezhdunarodnykh sobytii 1962 god. Moskva, Izd-vo IMO, 1963. 333 p.
(NjP)

[NORWEGIAN TRUE STORIES; recollections of the struggle against fascism] Norvezhskie byli, vospominaniia o bor'be s fashizmom. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 202 p.

OHANESIAN, KH. A. [The road of happiness] [illegible] Erevan, Armianskoe gos. izd-vo] 1962. 42 p. [In Armenian]

[ON THE ROAD OF [illegible]] [illegible] [Leningrad] Lenizdat, 1961. 3[illegible] p.

[PEOPLE, FACTS, AND THOUGHTS, talks conducted and written down by V. Namiotkiewicz and B. Kostrzewicz. Translated from the Polish] Liudi, fakty, razmyshleniia, besedy vel i zapisali V. Namiotkevich i B. Kostrzhevich. Moskva, Voenizdat, 1962. 310 p.
(CSt-H)

PERM. GOSUDARSTVENNAIA PUBLICHNAIA BIBLIOTEKA IMENI M. GOR'KOGO. Nauchno-bibliograficheskii otdel. [Fighters for people's happiness; index to literature on the prominent participants of the revolutionary movement in the Kama Valley] Bortsy za narodnoe schast'e, ukazatel' literatury o vydaiushchikhsia deiateliakh revoliutsionnogo dvizheniia v Prikam'e. [Perm'] Permskoe knizhnoe izd-vo, 1963. 22 p.
[MICROFILM]

PLESHCHEEV, V. G., comp. [Letters of the workers of Kursk Government to V. I. Lenin; documents and materials] Pis'ma trudiashchikhsia Kurskoi gubernii V. I. Leninu; sbornik dokumentov i materialov. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 105 p.
(MH)

POLISHCHUK, A. A. [A million years of prison] Million let tiur'my. Moskva, Gospolitizdat, 1961. 77 p.
(MH)

RIABCHUK, P. I. [The weapons of Lenin's "Pravda"] Oruzhie leninskoi "Pravdy." Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. I seriia: Istoriia, no. 2)

[illegible], S. I. [In the struggle with the counterrevolution; assistance of the workers of Vyatka Government to the Eastern Front in 1918-1919] V bor'be s kontrrevoliutsiei; pomoshch' trudiashchikhsia Viatskoi gubernii Vostochnomu frontu v 1918-1919 gg. [Kirov] Kirovskoe knizhnoe izd-vo, 1962. 1[illegible] p.
(NNC)

RUIZ GONZALEZ, RAUL. [Bolivia, Prometheus of the Andes. Translated from the Spanish] Boliviia — prometei And. Red. i vstup. stat'ia I. Ershova. Moskva, Izd-vo inostr. lit-ry, 1963. 334 p.
(NNC)

RUSSIA (1923- U.S.S.R.) Glavnoe arkhivnoe upravlenie. [Documentary publications on the history of the civil war in the U.S.S.R.; a brief survey] Dokumental'nye publikatsii po istorii grazhdanskoi voiny v SSSR; kratkii obzor. Pod red. L. I. IAkovleva. Moskva, 1961. 51 p.
(MH)

RYBAKOV, B. A. [The earliest periods of Russian history] Pervye veka russkoi istorii. Moskva, Izd-vo "Nauka," 1964. 238 p. (Nauchno-populiarnaia seriia)

SALEKHOV, N. I. [Ian Borisovich Gamarnik; a study of his life and work] IAn Borisovich Gamarnik; ocherk zhizni i deiatel'nosti. Moskva, Politizdat, 1964. 78 p. (Geroi i polkovodtsy)

SEMENOV, A. F. [Heroes do not die; from a notebook of partisan years] Geroi ne umiraiut; iz zapisnoi knizhki partizanskikh let. [Briansk] Izd-vo "Brianskii rabochii," 1963. 60 p.
(MH)

SEREBRIAKOVA, G. I. [Women of the period of the French Revolution] Zhenshchiny epokhi frantsuzskoi revoliutsii. Moskva, Sovetskii pisatel', 1964. 370 p.

[SERVING THE FATHERLAND] Na sluzhbe Otechestva. San Francisco, 1963. 527 p.

SHAMSHIEV, TOLEN, comp. [Panfilov's men in battles; reminiscences] Panfilovtsy v boiakh; sbornik vospominanii. Frunze, Kirgizskoe gos. izd-vo, 1962. 131 p.
(MH)

SICHEGLOV, A. I. [He was nineteen; a sketch] Emu bylo deviatnadtsat'; ocherk. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 57 p. (Bortsy za vlast' Sovetov)
(MH)

SLIUSARSKII, A. G. [Social and economic development of the Sloboda Ukraine in the 17th to 18th centuries] Sotsial'no-ekonomicheskoe razvitie Slobozhanshchiny XVII—XVIII vv. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1964. 459 p.

[SOLDIERS OF THE REVOLUTION; sketches on the participants of the revolutionary movement in the Yaroslavl region] Soldaty revoliutsii; ocherki ob uchastnikakh revoliutsionnogo dvizheniia v IAroslavskom krae. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 157 p. (Posviashchaetsia 60-letiiu II s"ezda RSDRP)

SOLOVEY, DMYTRO. [Annihilation of the Ukrainians, Russia's chief objective in the war of 1914, materials related to the history of the Ukraine in World War I] Vynyshchennia ukraintsiv — holovna meta Rosii u viini 1914 roku, materiialy do istorii Ukrainy za chasiv Pershoi svitovoi viiny. Winnipeg, 1963. 70 p. (Biblioteka "Narodnoi Hazety," no. 2) [English title: The Ukraine and Russian Imperialism]

STUNRUR, R. K. [Tymofii Cherniak, hero of the civil war] Heroi hromadians'koi viiny Tymofii Cherniak. Kyiv, Derzh. vyd-vo polit. lit-ry, 1961. 134 p.
(NNC)

SURGULADZE, A. N. [Russia in the first half of the 19th century. Rossiia v pervoi polovine XIX veka. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 173 p. [In Georgian]

TATISHCHEV, V. N. [Russian history in seven volumes] Istoriia Rossiiskaia v semi tomakh. Moskva, Izd-vo "Nauka,"
Vol. 3. 1964. 339 p.

[THEIR SIMPLICITY AND HUMANITY] Ikh prostota i chelovechnost'. Moskva, Politizdat, 1964. 334 p.

TIFLIS. MUZEI GRUZII. [A guide to the Exhibition of the Bourgeois Period of the History of Georgia, 1861-1921] Putevoditel' vystavki burzhuaznogo perioda istorii Gruzii (1861-1921 gg.). Sost. Givi Berdzenishvili. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p. illus. [In Georgian]

TIKHVINSKII, S. L. [Sun Yat-sen; his foreign policy views and practice. From the history of the national liberation struggle of the Chinese people, 1885-1925] Sun' IAt-Sen; vneshnepoliticheskie vozzreniia i praktika. (Iz istorii natsional'no-osvoboditel'noi bor'by kitaiskogo naroda, 1885-1925 gg.) Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 353 p.

TRUKHANOVSKII, V. G. [An outline of England's most recent history; a textbook for teachers] Ocherki noveishei istorii Anglii; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 267 p.

VATEISHVILI, D. L. [From the history of the legal workers' press of Transcaucasia] Iz istorii legal'noi rabochei pechati Zakavkaz'ia. Tbilisi, Izd-vo SSP Gruzii "Literatura i iskusstvo," 1963. 302 p.

VERZHKHOVSKII, D. V., and V. F. LIAKHOV. [The First World War, 1914-1918; a military historical outline] Pervaia Mirovaia voina, 1914-1918 gg.; voenno-istoricheskii ocherk. Moskva, Voenizdat, 1964. 305 p.

VIKTOROV, I. V. [Undergrounder, soldier, chekist] Podpol'shchik, voin, chekist. Moskva, Politizdat, 1963. 79 p.
(ViU)

VONSIATSKII, A. A. [The dry guillotine; American justice in the Roosevelt period] Sukhaia gil'otina; amerikanskaia iustitsiia vo vremena Ruzvel'ta. S predisl. V. D. Merzheevskogo. São Paulo, 1963. 101 p.

[WITH LENIN'S "PRAVDA"; collection of documents and materials] S Leninskoi "Pravdoi"; sbornik dokumentov i materialov. [Zaporozh'e] Zaporozhskoe knizhno-gazetnoe izd-vo, 1962. 98 p.
(CSt-H)

ZAITSEV, P. M. [Lodeynoye Pole; an historical and regional study] Lodeinoe Pole; istoriko-kraevedcheskii ocherk. [Leningrad] Lenizdat, 1964. 173 p. (Goroda Leningradskoi oblasti)

5. SOCIAL SCIENCES

ADAMOV, V. E., and others. [Collection of problems on industrial statistics] Sbornik zadach po statistike promyshlennosti. Pod red. G. I. Baklanova. Moskva, Izd-vo "Statistika," 1964. 247 p.

AIUSHIEV, B. A. [Problems in the use of the balance sheet method in planning the development of animal husbandry in the Buryat A. S. S. R.] Voprosy ispol'zovaniia balansovogo metoda pri planirovanii razvitiia zhivotnovodstva Buriatskoi ASSR. Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t, 1960. 80 p.

AKADEMIIA NAUK SSSR. Institut istorii. [A great movement of modern times; the origin and development of the movement of the collectives and shock workers of communist labor in U. S. S. R. industry] Velikoe dvizhenie sovremennosti; vozniknovenie i razvitie dvizheniia kollektivov i udarnikov kommunisticheskogo truda v promyshlennosti SSSR. Sbornik statei. Moskva, Izd-vo "Nauka," 1964. 406 p.

AKADEMIIA NAUK SSSR. TSentral'nyi ekonomiko-matematicheskii institut. [The interbranch balance of production and production distribution of an economic region] Mezhotraslevoi balans proizvodstva i raspredeleniia produktsii ekonomicheskogo raiona. Moskva, Izd-vo "Nauka," 1964. 209 p.

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [From the history of the socialist and communist building in the Ukraine, 1934-1961] Z istorii sotsialistychnoho i komunistychnoho budivnytstva na Ukraini, 1934-1961. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 186 p.
(InU)

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [History of the collectivization of agriculture in the Ukrainian S. S. R., 1917-1937; documents and materials] Istoriia kolektyvizatsii sil's'koho hospodarstva Ukrains'koi RSR, 1917-1937 rr.; zbirnyk dokumentiv i materialiv. Kyiv, Vyd-vo Akad. nauk URSR. Vol. 1. 1962.
(NN)

AKADEMIIA NAVUK BSSR, Minsk. Instytut ekonomiki. [Labor incentives in a socialist society] Stimulirovanie truda v sotsialisticheskom obshchestve. Minsk, Izd-vo "Nauka i tekhnika," 1964. 190 p.

AKHALAIA, V. R. [Reducing the cost of electric power in the Georgian electric power system] Voprosy snizheniia sebestoimosti elektroenergii v gruzinskoi energosisteme. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 99 p. [In Georgian]

ALEKSEEV, A. V., and IA. P. BOROKHOVICH. [Calculating machines and their use in accounting] Schetnye mashiny i ikh primenenie v uchete. Moskva, Izd-vo "Kolos," 1964. 326 p. diagr. (insert)

ALI-ZADE, M. A. [The young people's communist attitude toward labor] Kenchlerin emele kommunist munasibeti. Baky, Azerneshr, 1963. 54 p. [In Azerbaijani]

ALIEV, A. A. [The collective farm as a school of communism for the peasants] Kolkhoz kendliler uchun kommunizm mektebidir. Baky, Azerneshr, 1963. 81 p. [In Azerbaijani]

ALIEV, G. B. [Economic geography of Azerbaijan] Azerbaichan SSR igtisadi chografiiasy; derslik. Baky, Azerbaichan Dovlet Tedris-Pedagozhi edebiiiaty Neshriiiaty, 1963. 215 p. [In Azerbaijani]

ALMA-ATA. INSTITUT ISTORII PARTII. [The Communist Party of Kazakhstan at the second stage of developing virgin soil; documents and materials] Kompartiia Kazakhstana na vtorom etape osvoeniia tseliny; sbornik dokumentov i materialov. Alma-Ata, Kazgosizdat, 1963. 541 p.
(MH)

ANDZANS, K. [Fundamentals of bookkeeping] Gramatvedibas pamati. Riga, Latvijas Valsts izd-ba, 1963. 174 p. [In Latvian]

ANTONOV, G. S. [How one should rest] Kak nuzhno otdykhat'. [Leningrad] Meditsina, 1964. 29 p. (Nauchno-populiarnaia meditsinskaia literatura)

APTERMAN, I. Z., and others. [Development of the production of precast reinforced concrete and its cost] Razvitie proizvodstva sbornogo zhelezobetona i ego sebestoimost'. Pod obshchei red. D. I. Bukshteina i P. B. Gorbushina. Moskva, Gosstroiizdat, 1963. 125 p.

ASALKHANOV, I. A. [Social and economic development of southeastern Siberia during the second half of the 19th century] Sotsial'no-ekonomicheskoe razvitie IUgo-Vostochnoi Sibiri vo vtoroi polovine XIX v. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 493 p.

ASIPOV, L. A. [Moldavian provincial party organization in the struggle for the collectivization of agriculture] Moldavskaia oblastnaia partiinaia organizatsiia v bor'be za provedenie kollektivizatsii sel'skogo khoziaistva, 1929-1932 gg. Kishinev, Kartia moldoveniaske, 1963. 48 p.
(MH)

BABILODZE, K. M. [Potentials for increasing labor productivity in tea leaf production. Rezervy povysheniia proizvoditel'nosti truda v proizvodstve chainogo lista. Tbilisi] 1963. 250 p. [In Georgian]

BAGIROV, F. G., and others. [Problems in the economics of industry] Senaie igtisadiiiaty meseleleri; Azerbaichan SSR materiallary esasynda iazylmysh ders vesaiti. Baky, Azertedrisneshr, 1963. 315 p. [In Azerbaijani]

BALAGUROV, N. A. [Cost and the profitability of lumbering production] Sebestoimost' i rentabel'nost' lesozagotovitel'nogo proizvodstva. Moskva, Goslesbumizdat, 1963. 289 p.

BARSUKOV, F. A., and S. IA. RACHKOVSKII. [Economic efficiency of capital investments in iron mining] Ekonomicheskaia effektivnost' kapital'nykh vlozhenii v zhelezorudnuiu promyshlennost'. Moskva, Izd-vo "Nedra," 1964. 110 p.

BEKIEV, BABA, and P. P. MOISEEV. [The Turkey of our day] Khezirki Turkie. Ashgabat, Turkmenistan dovlet neshriaty, 1963. 43 p. [In Turkmen]

BELOV, K. A., G. S. SUNDUK'IAN, and E. A. UR'EV. [Planning and organization of state purchases of raw materials and agricultural products] Planirovanie i organizatsiia zagotovok syr'ia i sel'skokhoziaistvennykh produktov. Moskva, Izd-vo TSentrosoiuza, 1963. 174 p.
(MH)

BUZUEV, V. M. [Foundations of communism] Fundament kommunizma. Moskva, Politizdat, 1964. 61 p. (V pomoshch' prepodavateliu obshchestvovedeniia)

CHUGAEV, D. A., ed. [The working class of Soviet Russia during the first years of the dictatorship of the proletariat; collection of documents and materials] Rabochii klass Sovetskoi Rossii v pervyi god diktatury proletariata; sbornik dokumentov i materialov. Moskva, Izd-vo "Nauka," 1964. 401 p.

[COMMUNIST LABOR CONQUERS; materials of the Republic Theoretical Conference Devoted to the Movement for Communist Labor, June 20, 1962] Kommunisticheskii trud pobezhdaet; materialy Respublikanskoi teoreticheskoi konferentsii, posviashchennoi dvizheniiu za kommunisticheskii trud, 20 iiunia 1962 g. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1962. 84 p.
(CSt-H)

DIASAMIDZE, D. [Ways for increasing labor productivity in vegetable growing on the collective farms of Georgia] Puti povysheniia proizvoditel'nosti truda v ovoshchevodstve kolkhozov Gruzinskoi SSR. Tbilisi, Izd-vo AN Gruzinskoi SSR, 1963. 88 p. [In Georgian]

DUBNIKOVA, M. P., V. N. MIZINOV, and N. A. CHERKE. [Wages for motor vehicle drivers] Oplata truda shoferov avtomobilei. Moskva, Avtotransizdat, 1963. 107 p. (Biblioteka shofera)

[ECONOMICS OF INDUSTRIAL ENTERPRISES] Senaie myessiselerinin igtisadiiiaty; derslik. Baky, Azerneshr, 1963. 606 p. [In Azerbaijani]

[EFFICIENT PEOPLE'S CONTROL] Kontrol deistvennyi, narodnyi. Ashkhabad, Turkmenizdat, 1963. 36 p.

EGOROV, S. I. [With a thought about communism; the story of Madrugaliam Shagimuratov, a man of word and deed] S dumoi o kommunizme; rasskaz o Madrugaliame Shagimuratove, cheloveke slova i dela. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 35 p.
(NNC)

ESAIASHVILI, V. [Laws governing the transition from socialism to communism. O zakonomernostiakh perekhoda ot sotsializma k kommunizmu. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 123 p. [In Georgian]

FILIPPOV, F. R. [The role of the popular masses and personalities in history; a textbook for students at the secondary special schools of social sciences] Rol' narodnykh mass i lichnosti v istorii; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [n. p.] Vysshaia shkola, 1964. 33 p.

FILIPPOV, V. R. [Mixed business accounting brigades on collective farms and state farms of Buryatia] Khozraschetnye kompleksnye brigady v kolkhozakh i sovkhozakh Buriatii. Ulan-Ude, Buriatskoe izd-vo, 1961. 169 p.
(MiU)

FIL'SHIN, G. I., and V. K. ELEV. [Economic efficiency of capital investments] Ekonomicheskaia effektivnost' kapitalovlozhenii. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 117 p. (Besedy o programme KPSS)

GAABE, IU. E., I. I. LEVITIN, and A. N. PAVLOV. [Agricultural statistics] Statistika sel'skogo khoziaistva. Pod red. A. N. Pavlova. Moskva, Izd-vo "Statistika," 1964. 382 p.

GABUNIIA, K. P. [Collection of problems on the planning of the production of industrial enterprises. Sbornik zadach po planirovaniiu proizvodstva promyshlennykh predpriiatii. Tbilisi, Gos. izd-vo "TSodna" M-va kul'tury GSSR] 1963. 164 p. [In Georgian]

GAGANIDZE, M. I. [Several problems of the economic efficiency of new machinery. Nekotorye voprosy ekonomicheskoi effektivnosti novoi tekhniki. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 49 p. [In Georgian]

GALINNIKOV, M. M. [The First Pioneer detachment] Pervyi pionerskii. [Moskva] Molodaia gvardiia, 1963. 111 p. (Dlia tekh, kto rabotaet s pionerami)

GANIUSHKIN, V. A. [I ask for directions...] Proshu napravit'.... [Moskva] Molodaia gvardiia, 1964. 139 p.

GASANOV, IU. A. [The history of primitive society] Ibtidai ichma tarikhi; ders vesaiti. Baky, Azertedrisneshr, 1963. 209 p. [In Azerbaijani]

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Moskovskii filial. [Economic relations and transport] Ekonomicheskie sviazi i transport. Moskva, Geografgizdat, 1963. 220 p.
(DBC)

GLAGOLEVA, L.A., and I.V. BABIUK. [Economic efficiency of using plastics in machinery manufacturing] Ekonomicheskaia effektivnost' primeneniia plastmass v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 167 p.

GOBHADZE, G.G. [The material and technological basis of communism. Material'no-tekhnicheskaia baza kommunizma. Tbilisi, Gos. izd-vo "Sabchota sakartvelo") 1963. 98 p. [In Georgian]

GRIGIN, G.T., ed. [Zoning of the Central Black Earth Region from the point of view of economic geography] Ekonomiko-geograficheskoe raionirovanie chernozemnogo Tsentra. Voronezh, Izd-vo Voronezhskogo univ., 1963. 262 p.
(25)19

GRISHIN, V.V. [Tasks of trade unions in the further development of agriculture, a paper read at the Third Plenum of the All-Union Central Council of Trade Unions, February 27, 1964] Zadachi profsoiuzov po dal'neishemu razvitiiu sel'skogo khoziaistva, doklad na III Plenume VTsSPS, 27 fevralia 1964 goda. [Moskva] Profizdat, 1964. 61 p.

HRYSHKO, V.I. [Moscow doesn't believe in tears; tragedy of the Ukraine in 1933 from the perspective of the 30-year period, 1933-1963] Moskva sl'ozam ne vir'yt'; trahediia Ukrainy 1933 roku z perspektyvy 30-richchia, 1933-1963. New York, Vyd-vo Dobrus [illegible], 1963. 67 p.
(B40)

[IF YOU KNOW HOW TO MAKE USE OF ECONOMICS] Esli druzhit' s ekonomikoi. Moskva, Izd-vo "Znanie," 1964. 224 p. (Narodnyi universitet kul'tury. Fakul'tet ekonomicheskikh znanii, no. 4(?))

ILIEV, V.I. [Ways for increasing the monetary income on collective farms] [illegible] Baky, [illegible] 1963. 62 p. [In Azerbaijani]

IUDENICH, V.M., and I.L. LOPATCHUK. [illegible] [illegible]

IVANCHENKO, A.Ia. [The feudal state, [illegible]] [illegible] [Moskva] Molodaia gvardiia, 1964. 118 p.

KABADADZE, A.I. [Problems in the state budget [illegible] the building of communism [illegible]] [illegible] Tbilisi, 1962. 82 p. [In Georgian]

KALIUZHNYI, V.M., and I.F. CHUDUK. [Capital and surplus value, a lecture for a course in economics] Kapital i pribavochnaia stoimost', lektsiia po kursu politicheskoi ekonomii. Moskva, Vses. zaochnyi finansovo-ekonomicheskii in-t, 1960. 43 p.
[MICROFILM]

KALMYKOV, D., and V. LAVROV. [The region of great possibilities, the Krasnoyarsk Territory in the 1959-1965 seven-year plan for the national economic development of the U.S.S.R.] Krai ogromnykh vozmozhnostei, Krasnoiarskii krai v semiletnem plane razvitiia narodnogo khoziaistva SSSR na 1959-1965 gg. Krasnoiarsk, Krasnoiarskoe kraevoe ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1959. 53 p.
[MICROFILM]

KARAGEDOV, R.G. [Profit in the system of the economic categories of socialism, a theoretical study] Pribyl' v sisteme ekonomicheskikh kategorii sotsializma; ocherki teorii. Moskva, "Mysl'," 1964. 181 p.

KARANOV, A.K. [Nineteen days in Togo] 19 dnei v Togo. Ashkhabad, Turkmenskoe izd-vo, 1963. 77 p.

KARCHAVA, V.I. [Growth of two forms of socialist ownership into a single communist ownership] Razvitie dvukh form sotsialisticheskoi sobstvennosti v edinuiu kommunisticheskuiu sobstvennost'. Tbilisi, Gos. izd-vo "Sabchota sakartvelo," 1963. 40 p. [In Georgian]

KARPE, M.L., and I.S. OGANESOV. [Analysis of the production and administrative operations of construction organizations] Analiz proizvodstvenno-khoziaistvennoi deiatel'nosti stroitel'nykh organizatsii. Moskva, Transzheldorizdat, 1960. 123 p.

KATSNEL'SON, B.A. [Industrial hygiene and sanitation in blast furnace plants; materials for the training of workers and foremen] Gigiena truda i promyshlennaia sanitariia v domennykh tsekhakh; materialy dlia zaniatii s rabochimi i masterami. Sverdlovsk, Sverdlovskii nauch. issl. in-t gigieny truda i profpatologii, 1960. 19 p.
[MICROFILM]

KELLE, V.Zh. [Structure of social consciousness] Struktura obshchestvennogo soznaniia. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. II seriia: Filosofiia, no. 8)

KHABAEV, M.A. [Settlement of the land question in North Ossetia, 1918-1925] Razreshenie zemel'nogo voprosa v Severnoi Osetii, 1918-1925 gg. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. [illegible] p.
[illegible]

KHABAROVSKII KRAI. Upravlenie kul'tury. [Cultural institutions of the city of Khabarovsk] Uchrezhdeniia kul'tury goroda Khabarovska. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 32 p.
[MICROFILM]

KHALILOV, G.V. [Work and live in the communist way] [illegible] Baky, Azerbaidzhan Dovlet Neshriiiaty 1964. 47 p. [In Azerbaijani]

KHOLMATOV, A.A. [Imperialist "integration" in the [illegible]] [illegible] [In Uzbek]

KHRUSHCHEV, N.S. [The building of communism in the U.S.S.R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khoziaistva. Moskva, Politizdat.
v.6. [May 1962 - Mar. 1963] [illegible] 1964. 573 p.

KISELEV, A.I., and D. [illegible] [illegible]

KIRAKOSIAN, A.D. [Several problems of the theory of national economic planning] [illegible] Erevan, Izd-vo [illegible] 1962. 84 p. [In Armenian]

KISELEV, A.M. [Great changes, from the work practice of the Kolkhoz village named to [illegible]] [illegible] [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 38 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Khabarovskii kraevoi komitet. Otdel propagandy i agitatsii. [Agriculture of Khabarovsk Territory in the seven-year plan] [illegible] Khabarovsk, Khabarovskoe knizhnoe izd-vo, 1959. 31 p. (Bibliotechka agitatora)
[MICROFILM]

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Saratovskii oblastnoi komitet. Partiinyi arkhiv. [Saratov Party organization in the period of the attack of socialism on every front. Establishment of the collective farm regime, documents and materials, 1930-1932] Saratovskaia partiinaia organizatsiia v period nastupleniia sotsializma po vsemu frontu. Sozdanie kolkhoznogo stroia, dokumenty i materialy, 1930-1932 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1961. 397 p.
(CSt-H)

KOMMUNISTICHESKAIA PARTIIA UKRAINY. Khar'kovskii oblastnoi komitet. Partiinyi arkhiv. [How we worked in the Workers' and Peasants' Inspection] Kak my rabotali v rabkrine. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 70 p.
(NjP)

KOMMUNISTYCHNA PARTIIA UKRAINY. Vyshcha partiina shkola. [Present day and some economic problems of the development of communism in the U.S.S.R.] Suchasnist' i deiaki ekonomichni pytannia budivnytstva komunizmu v SRSR. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 283 p.
(CSt-H)

KONOPLEV, I.I. [The developing industry of Amur Province] Promyshlennost' Amurskoi oblasti v razvitii. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1963. 125 p.

KORSHUNOV, I.V. [For the good of the people] Dlia blaga naroda. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 36 p.

KOSTIN, L. [Trade unions and labor productivity during the period of the building of communism] Profsoiuzy i proizvoditel'nost' truda v period postroeniia kommunizma. [Moskva] Profizdat, 1964. 175 p.

KOVALENKO, V.I. [The working capital of metallurgical plants] Oborotnye sredstva metallurgicheskogo zavoda. [Stalino] Knizhnoe izd-vo Stalino-Donbass, 1959. 59 p. (Voprosy konkretnoi ekonomiki metallurgicheskoi promyshlennosti)
[MICROFILM]

KRANDIEVSKII, S.I. [Essays on the historiography of economic history, the 17th to 19th centuries] Ocherki po istoriografii ekonomicheskoi istorii (XVII-XIX vv.) Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 307 p.

KRUG, D.M. [Intraplant business accounting] Vnutrizavodskoi khozraschet. Moskva, Izd-vo "Finansy," 1965. 160 p.

KRYLOVA, N.I. [Distribution series; textbook] Riady raspredeleniia; uchebnoe posobie. Moskva, Mosk. in-t nar. khoz. im. G.V. Plekhanova, 1964. 54 p.

KUDRIN, K.G. [Transforming work into joy, into the necessity of life] O prevrashchenii truda v radost', v zhiznennuiu potrebnost'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 133 p.

KUDINOV, P.F. [Organization of tourist work in an enterprise] Organizatsiia turistskoi raboty na predpriiatii. [Moskva] Profizdat, 1963. 79 p. (Biblioteka profsoiuznogo aktivista, no. 8(60))

KUSEMBAEV, SHOKAN. [Improving the material welfare and cultural level of the rural population of Kazakhstan] Pod"em material'nogo blagosostoianiia i kul'turnogo urovnia sel'skogo naseleniia Kazakhstana. Alma-Ata, Kazgosizdat, 1964. 136 p.

LANGE, OSKAR. [Introduction to econometrics. Translated from the Polish] Vvedenie v ekonometriku. Pod red. i s predisl. A.Ia. Boiarskogo. Moskva, Izd-vo "Progress," 1964. 358 p.

LANGOVA, I.V., and P.M. [illegible] [illegible] [illegible] Moskva, Vysshaia shkola, 1964. 53 p. [illegible]

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestures institūts. [illegible] Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 146 p.

LENINGRAD. GOSUDARSTVENNYI ARKHIV OKTIABR'SKOI REVOLIUTSII I SOTSIALISTICHESKOGO STROITEL'STVA. [Reestablishment and beginning of the reconstruction of industry in Leningrad, 1921-1928, documents and materials] Vosstanovlenie i nachalo rekonstruktsii promyshlennosti Leningrada, 1921-1928 gg., dokumenty i materialy. Sost. [illegible] Pod red. [illegible] Leningrad, Izd-vo Leningr. univ., 1963. 1 v.
(CaOTU)

LIALIKOV, N.I. [Economic geography of the U.S.S.R., a textbook for the 8th grade of secondary schools in the Ukrainian S.S.R.] Ekonomichna heohrafiia SRSR; pidruchnyk dlia 8 klasu serednoi shkoly URSR. Kyiv, Radians'ka shkola, 1963. 288 p. illus., maps.
(NN)

LORDKIPANIDZE, L.A. [Main problems in the economics of ferrous metallurgy] Osnovnye voprosy ekonomiki chernoi metallurgii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo") 1963. 219 p. [In Georgian]

MAERGOIZ, I.M. [The Czechoslovak Socialist Republic; economic geography] Chekhoslovatskaia Sotsialisticheskaia Respublika; ekonomicheskaia geografiia. Moskva, "Mysl'," 1964. 730 p. (Geograficheskaia seriia)

MAGLAPERIDZE, O. N., and N. G. SAKHANBERIDZE. [22nd Congress of the CPSU on the development of the chemical industry. XXII s"ezd KPSS o razvitii khimicheskoi promyshlennosti. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1962. 60 p. [In Georgian]

MALYI, I. G., ed. [Problems of statistical methodology: collection of articles] Voprosy statisticheskoi metodologii; sbornik statei. Moskva, Izd-vo Statistika, 1964. 284 p.

MAMEDOV, E. I. [Class struggle in Azerbaijanian villages on the eve of the total collectivization of agriculture (1927-1929)] Kand tasarrufatynyn likla kollektivlashmasi arafasinda Azerbaidzhan kandinde sinfi mubariza (1927-1929 dzhu illar). Baky, Azerbaidzhan SSR elmlar Akad. nashriiiaty, 1961. 154 p. [In Azerbaijani]
(WaU)

MAMEDOV, M. R. [Profitability of collective farm production and how to increase it] Kolkhoz istehsalatynyn rentabelliii ve onun iukseldilmesi iollary. Baky, Azerneshr, 1964. 170 p. [In Azerbaijani]

MARGULIS, A. L. [Good people, good deeds; sketches] Khoroshie liudi, dobrye dela; ocherki. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 91 p.
(CSt-H)

MARKOV, A. A. [Practical course in the economics, organization and planning of industrial production] Praktikum po ekonomike, organizatsii i planirovaniiu promyshlennogo proizvodstva. Voronezh, Izd-vo Voronezhskogo univ., 1962. 157 p.
(MH)

MARKOV, N. V. [The role of technological progress in the creation of the material and technological foundation of communism; an aid for students of correspondence and evening schools studying the materials of the 22d Congress of the CPSU] Rol' tekhnicheskogo progressa v sozdanii material'no-tekhnicheskoi bazy kommunizma; v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS, [n.p.] "Vysshaia shkola," 1964. 64 p.

MASLENNIKOV, M. S. [Manual for the mechanization, automation, and equipping of trade enterprises and warehouses] Spravochnik po mekhanizatsii, avtomatizatsii i oborudovaniiu torgovykh predpriiatii i skladov. Moskva, Izd-vo TSentrosoiuza, 1963. 149 p.

MASLOV, P. P. [Statistics; a textbook] Statistika; uchebnoe posobie. Moskva, Izd-vo "Mysl'," 1964. 171 p.

MEDZHIDOV, A. D., and R. SH. GADZHIEV. [Our practice in applying the monetary wage system] Emein pul ile odenilmesinde bizim ish techrubemiz; iardymly istehsalat idaresinin "Kommunizm" kolkhozunun misalynda. Baky, Azerneshr, 1964. 38 p. (Kend teserrufatynda gabagchyl tachruba) [In Azerbaijani]

[MEN OF DUTY AND COURAGE; sketches on militia workers] Liudi dolga i otvagi; ocherki o rabotnikakh militsii. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 94 p.

MENDEL'SON, L. A. [The theory and history of economic crises and cycles] Teoriia i istoriia ekonomicheskikh krizisov i tsiklov. Moskva, "Mysl'."
Vol. 3. 1964. 526 p.

[METHODOLOGICAL AID FOR THE INSTRUCTORS OF GROUPS STUDYING THE ECONOMICS OF INDUSTRIAL ENTERPRISES. Metodicheskoe posobie dlia propagandistov kruzhkov izuchaiushchikh ekonomiku promyshlennykh predpriiatii. Erevan, Armianskoe gos. izd-vo] 1963. 140 p. [In Armenian]

MIKHAILOV, F. K., and I. SH. SHAMSHATOV. [Popular movement for the reclamation of the virgin lands in Kazakhstan, 1953-1960] Narodnoe dvizhenie za osvoenie tselinnykh zemel' v Kazakhstane, (1953-1960 gody). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 359 p.

MIKHALEVSKII, B. N. [Long range calculations on the basis of simple dynamic models] Perspektivnye raschety na osnove prostykh dinamicheskikh modelei. Moskva, Izd-vo "Nauka," 1964. 347 p.

[A MIRACLE CONTINUES; a story of great changes] Chudo prodolzhaetsia; rasskaz o velikikh peremenakh. [Chita] Zabaikal'skii rabochii, 1963. 64 p. (Na zemle Zabaikal'skoi)
(CSt-H)

MOLCHANOV, G. P. [Ceylon] TSeilon. Moskva, Izd-vo "Mysl'," 1964. 155 p. (Sotsial'no-ekonomicheskie problemy razvivaiushchikhsia stran)

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Development of communist consciousness] Vospitanie kommunisticheskoi soznatel'nosti. Moskva, Izd-vo "Mysl', 1964. 314 p.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Modern international economic relations] Sovremennye mezhdunarodnye ekonomicheskie otnosheniia. Pod red. N. N. Liubimova. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 563 p.

MOSCOW (Province) Statisticheskoe upravlenie. [The economy of Moscow Province; statistical abstract] Narodnoe khoziaistvo Moskovskoi oblasti; statisticheskii sbornik. Moskva, Izd-vo "Statistika," 1964. 151 p.

MOSCOW. UNIVERSITET. Kafedra dialekticheskogo i istoricheskogo materializma gumanitarnykh fakul'tetov. [Interaction between forms of social consciousness] Vzaimodeistvie form obshchestvennogo soznaniia. [Moskva] 1964. 310 p.

MOSCOW. UNIVERSITET. Kafedra istorii KPSS estestvennykh fakul'tetov. [Struggle for the strengthening of the union of working class and peasantry] Bor'ba za ukreplenie soiuza rabochego klassa i krest'ianstva; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1963. 316 p.
(NIC)

MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. [Natural resources of Azerbaijan] Prirodnye bogatstva Azerbaidzhanskoi SSR. Baku, Azerneshr, 1960. 27 p.

[MICROFILM]

[NATIONAL ECONOMY OF THE TAJIK S.S.R. IN 1962; a statistical yearbook] Narodnoe khoziaistvo Tadzhikskoi SSR v 1962 godu; statisticheskii ezhegodnik. Dushanbe, Gos. stat. izd-vo, 1963. 393 p.

NAUCHNAIA SESSIIA, POSVIASHCHENNAIA ISTORII RABOCHEGO KLASSA ROSSII V PERIOD KAPITALIZMA, Rostov-on-Don, 1963. [Papers at the October 1963 academic session in Rostov-On-Don devoted to the history of the working class in Russia during the period of capitalism] Doklady. Rostov-na-Donu, Akad. nauk SSSR, 1963. 106 p.

NAUCHNO-PRAKTICHESKAIA KONFERENTSIIA PO PROBLEMAM PROMYSHLENNOI GIGIENY. 10th, Moskva, 1963. [Materials of the 10th Moscow Scientific and Practical Conference on Problems of Industrial Hygiene] Materialy. Moskva, Otdel gigieny truda i promyshl. sanitarii Mosgorsanepidstantsii, 1963. 43 p.

[MICROFILM]

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO LESNOI PROMYSHLENNOSTI I LESNOGO KHOZIAISTVA. TSentral'noe pravlenie. [Work practices and organizational tasks of the Scientific Technological Society in the acceleration of technological progress] Opyt raboty i zadachi organizatsii NTO v uskorenii tekhnicheskogo progressa. Moskva, 1963. 44 p.

[MICROFILM]

OBSUZHDENIE O GENEZISE KAPITALIZMA V STRANAKH VOSTOKA (XV-XIX VV.) Moscow, 1961. [Materials of the Discussion on the Genesis of Capitalism in the Countries of the East (15th-19th centuries) held on Apr. 3 and 4, 1961] Materialy obsuzhdeniia 3 i 4 apr. 1961 g. Moskva, Izd-vo vostochnoi lit-ry, 1962. 422 p.
(ICU)

[ON THE FIFTH FRONTIER; workers of the Orenburg region in the struggle for the seven-year plan] Na piatom rubezhe; trudiashchiesia Orenburzh'ia v bor'be za semiletku. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 87 p.
(CSt-H)

OVCHINNIKOV, S. I., and P. S. PUSHKIN. [Organization and planning of light industry enterprises] Organizatsiia i planirovanie predpriiatii legkoi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 275 p.

PATARAIA, K. V. [The movement of the brigades of communist labor; as exemplified by the S. M. Kirov Machine Tool Plant in Tiflis. Dvizhenie brigad kommunisticheskogo truda; na primere Tbilisskogo stankostroitel'nogo zavoda im. S. M. Kirova. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 59 p. [In Georgian]

PATTERSON, D. L. [History of the left hand] Khronika levoi ruki. [Moskva] "Molodaia gvardiia," 1964. 124 p.

PETROKANSKII, B. I. [Statistical accounting and the work analysis of a railroad branch] Statisticheskii uchet i analiz raboty otdeleniia dorogi. Moskva, Izd-vo "Transport," 1964. 218 p.

PLOKHOV, S. G. [Efficient organization of grain transportation] Ratsional'naia organizatsiia transporta na perevozkakh zerna. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 105 p.

POLYNS'KYI, P. [Collective-farm democracy under new conditions] Kolhospna demokratiia v novykh umovakh. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1962. 200 p.
(NN)

PRIBYL'SKII, I.S. [The Black Sea Economic Region] Chernomorskii ekonomicheskii. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 140 p.

PROFSOIUZ RABOCHIKH METALLURGICHESKOI PROMYSHLENNOSTI. Stalinskii oblastnoi komitet. [Guard of the seven-year plan; stories of the leaders of the brigades of communist labor in the metallurgical plants of Stalino Province] Gvardiia semiletki; rasskazy rukovoditelei brigad kommunisticheskogo truda predpriiatii metallurgicheskoi promyshlennosti Stalinskoi oblasti. [Stalino] Stalino-Donbass knizhnoe izd-vo, 1960. 86 p.

[MICROFILM]

[PROGRAM ON THE ECONOMICS OF INDUSTRIAL ENTERPRISES FOR SCHOOLS OF ECONOMICS, STUDY GROUPS AND SEMINARS OF THE PARTY EDUCATIONAL SYSTEM. Programma po ekonomike promyshlennykh predpriiatii dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Erevan, Armianskoe gos. izd-vo] 1963. 53 p. [In Armenian]

[PROGRAM ON THE ECONOMICS OF TRANSPORTATION Negliiiat igtisadiiiatyna dair program. Baky, Azerbaichan Azerneshr, 1963. 35 p. [In Azerbaijani]

[PROGRAM ON TRADE ECONOMICS. Programma po ekonomike torgovli. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 36 p. [In Georgian]

RAPOPORT, M. M. [Mechanized accounting for the operation of automotive freight transportation] Mekhanizatsiia ucheta raboty gruzovogo avtomobil'nogo transporta. Izd. 2., perer. i dop. Moskva, Transport, 1964. 93 p.

[RECOMMENDATIONS FOR THE ORGANIZATION AND OPERATION OF COMMUNIST LABOR SCHOOLS. Rekomendatsii ob organizatsii i deiatel'nosti shkol kommunisticheskogo truda. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 16 p. [In Georgian]

REKITAR, IA. A. [Increasing the economic efficiency of capital investments in the building materials industry] Povyshenie ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennost' stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 217 p.

RETNEV, V. M. [Industrial hygiene in a cement factory] Gigiena truda na tsementnom zavode. Moskva, Stroiizdat, 1964. 46 p.

RIUMIN, G. M. [Technical progress and the economics of petroleum refining and petroleum chemistry in Azerbaijan] Tekhnicheskii progress i ekonomika neftepererabotki i neftekhimii Azerbaidzhana. Baku, Azerneshr, 1963. 38 p.

ROMANIUK, A. P., and N. DEVIAT'IAROV. [Maturity] Zrelost'. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 124 p.
(NIC)

ROTSHTEIN, A. I. [Studies on the industrial statistics of the U.S.S.R.] Ocherki promyshlennoi statistiki SSSR. Moskva, Izd-vo "Statistika," 1964. 517 p.

RUSSIA (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseinykh dorog. [Regulations for street and highway traffic of the U.S.S.R.; in effect January 1, 1961] Pravila dvizheniia po ulitsam i dorogam Soiuza SSR; vvedeny v deistvie s 1 ianvaria 1961 g. Moskva, 1961. 125 p.
(CSt-H)

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po toplivnoi promyshlennosti. [Gas industry in capitalist countries; a statistical abstract] Gazovaia promyshlennost' kapitalisticheskikh stran; statisticheskii obzor. Moskva, TsNIITEIneftegaz, 1963. 31 p.
(MH)

SADYGOV, M. M. [Role of interfarm production relations in developing collective-farm production] Kolkhozlararasy istehsal elagelerinin kolkhoz istehsalynyn inkishafyndakh rolu. Baky, Azerneshr, 1963. 35 p. [In Azerbaijani]
(DNAL)

SEDUGIN, P. I. [Citizens' deposits in credit institutions] Vklady grazhdan v kreditnykh uchrezhdeniiakh. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 70 p.

SELEZNEV, G. K. [The "Common Market" and international trade] "Obshchii rynok" i mezhdunarodnaia torgovlia. Moskva, "Mysl'," 1964. 94 p.

SELIVANOV, T. A. [Two-year plan for the construction of apartment houses and buildings serving cultural and public needs in Moscow] Dvukhletnii plan zhilishchnogo i kul'turno-bytovogo stroitel'stva v Moskve. [Moskva] Mosk. rabochii, 1964. 46 p. (V pomoshch' agitatoru i propagandistu)

SEMENKOV, V. N. [Transition to a communist principle of distribution according to needs; for correspondence and evening school students] O perekhode k kommunisticheskomu printsipu raspredeleniia po potrebnostiam; dlia studentov zaochnogo i vechernego obucheniia. [Petrozavodsk] Vysshaia shkola, 1964. 43 p.

SEMEVSKII, B. N. [Problems in the theory of economic geography] Voprosy teorii ekonomicheskoi geografii. [Leningrad] Izd-vo Leningradskogo univ., 1964. 85 p.

SHESTAKOVA, N. P. [Child training] Vospitanie rebenka; Izd. 6. Moskva, Meditsina, 1964. 22 p. (Seriia lektsii dlia beremennykh i materei, no. 4)

SHMELEV, G. I. [Fascinating bookkeeping; business accounting on a collective farm] Uvlekatel'naia bukhgalteriia; o khozraschetnom zvene v kolkhoze. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 3)

SHTEINGAUZ, E. O. [The fuel power balances of the main capitalist countries] Toplivno-energeticheskie balansy osnovnykh kapitalisticheskikh stran. Pod obshchei red. A. M. Nekrasova. Moskva, Izd-vo "Energiia," 1964. 125 p.

SHTYL'KO, A. A. [School of communism; trade unions in the building of communism] Shkola kommunizma; profsoiuzy v stroitel'stve kommunizma. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 9)

SHUKIUROVA, Z. Z. [Women of Soviet Azerbaijan] Sovet Azerbaijanynyn gadynlary. Baky, Azerneshr, 1963. 33 p. [In Azerbaijani]

SKLIAUSKAITE, P. [Struggle of V. Kapsukas against bourgeois ideology in Lithuania] V. Kapsuko kova pries burzhuazine ideologija Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 174 p. [In Lithuanian]
(MH)

SOFKIN, M. E. [Window to a foreign world; the economic relations of the Soviet Government in 1917-1921] Okno vo vneshnii mir; ekonomicheskie sviazi Sovetskogo gosudarstva v 1917-1921 gg. Moskva, Izd-vo "Mysl'," 1964. 310 p.

SOSELIIA, S. D. [Capital assets of socialist industry] Osnovnye fondy sotsialisticheskoi promyshlennosti. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1962. 59 p. [In Georgian]

SPIRIN, A. A., F. L. USTINOV, and V. S. FEDULOV. [Mechanization of computing work in the accounting and planning of machinery manufacturing enterprises] Mekhanizatsiia vychislitel'nykh rabot v uchete i planirovanii mashinostroitel'nogo predpriiatiia. Moskva, Izd-vo "Mashinostroenie," 1964. 139 p.

SRAPIONOV, O. S., Z. P. EREMINA, and A. P. SVEKLALOVA. [Business accounting within communication system enterprises] Vnutriproizvodstvennyi khozraschet v predpriiatiiakh sviazi. Moskva, Izd-vo "Sviaz'," 1964. 36 p. (Lektsii po ekonomike sviazi)

STRUKOV, N. A. [Voluntary work under socialism; for technical schools] Obshchestvennyi trud pri sotsializme; posobie dlia tekhnikumov. Moskva, Vysshaia shkola, 1963. 57 p. (Materialy k lektsiiam po politekonomii)

STRUMILIN, S. G. [Our world after 20 years] Nash mir cherez 20 let. [Moskva] "Sovetskaia Rossiia," 1964. 187 p.

[STUDY OF GOODS SERVING CULTURAL NEEDS] Tovarovedenie kul'ttovarov. [By] F. G. Varfolomeev i dr. Moskva, Izd-vo Ekonomika, 1964. 471 p.

SULEIMANOV, P. S. [Economic effectiveness of the specialization of farm production] Kolkhoz istehsalynyn ikhtisaslashdyrylmasynyn iqtisadi effektivliyi. Baky, Azerneshr, 1964. 45 p. [In Azerbaijani]

SUSHKO, G. V. [Construction of mining enterprises; capital investments, design and estimated cost records, planning. Manual] Stroitel'stvo gornykh predpriiatii, kapital'nye vlozheniia, proektno-smetnaia dokumentatsiia, planirovanie. Uchebnoe posobie. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1962. 98 p.
[MICROFILM]

[illegible], P. N. [The economy and foreign trade of African countries] Ekonomika i vneshniaia torgovlia stran Afriki. Moskva, Vneshtorgizdat, 1964. 291 p.

[illegible], V. G. [Commercial computations] Torgovye vychisleniia. Moskva, Izd-vo "Ekonomika," 1964. 184 p.

[illegible], F., and I. MOKHAN'. [Our contemporary] Nash suchasnyk. Kyiv, Molod', 1962. 60 p.
(CaOTU)

[illegible], I. M. [Optimal feed balance calculations on collective and state farms] Raschet optimal'nogo kormovogo balansa v kolkhozakh i sovkhozakh. Moskva, Izd-vo "Kolos," 1964. 109 p.

TATUR, S. K. [Business accounting in industry] Khoziaistvennyi raschet v promyshlennosti. Izd. 2., dop. Moskva, Izd-vo "Finansy," 1964. 302 p.

TIESA, ELGA. [Dairy industry of the Latvian S.S.R.] Latvijas PSR piena rupnieciba. Riga, Latvijas PSR Zinatnu Akademijas Izd-vo, 1963. 81 p. [In Latvian]

TOLYBEKOV, S. E. [Eliminating the economic lag of Central Asian Republics and Kazakhstan during the process of socialist transformation and their economic development during the transition to communism] Likvidatsiia ekonomicheskoi otstalosti respublik Srednei Azii i Kazakhstana v protsesse sotsialisticheskikh preobrazovanii i ikh ekonomicheskoe razvitie v period perekhoda k kommunizmu. Moskva, [illegible] 1962. 53 p. (Materialy k [illegible])
[MICROFILM]

[TRADE UNIONS OF THE U.S.S.R.; documents and materials in four volumes] Profsoiuzy SSSR; dokumenty i materialy v chetyrekh tomakh. [Moskva] Profizdat.
Vol. 4. [Trade unions during the completion of the building of socialism and the beginning of the large-scale building of communism, 1933-1963] Profsoiuzy v period zaversheniia stroitel'stva sotsializma i razvernutogo stroitel'stva kommunizma (1933-1963 gg.) 1963. 846 p.

[illegible], ed. [Large-scale socialist reproduction and the national economic balance] Rasshirennoe sotsialisticheskoe vosproizvodstvo i balans narodnogo khoziaistva. [Moskva] Izd-vo "Mysl'," 1964. 271 p.

UKRAINE. [illegible] [Traffic regulations for streets and highways of the U.S.S.R.] Pravila dvizheniia po ulitsam i dorogam Soiuza SSR. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963. 139 p. [Insert]

ULITSKII, L. I., ed. [Economics of socialist industry; collection of articles] Voprosy ekonomiki sotsialisticheskoi promyshlennosti; sbornik nauchnykh trudov. Moskva, Mosk. gos. ekon. in-t, 1960. 161 p.
[MICROFILM]

URAZOV, V. P. [Toward new frontiers; agriculture of Chita Province on the eve of the 22d Congress of the CPSU] Na novye rubezhi; sel'skoe khoziaistvo Chitinskoi oblasti k XXII s"ezdu KPSS. [Chita] Chitinskoe knizhnoe izd-vo, 1961. 49 p.
(DNAL)

VARTUMIAN, E. L. [Australia; economics and foreign trade] Avstraliia; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1963. 123 p.

VASIL'EV, I. I. [Reserves into action] Rezervy - v deistvie! [illegible] Privolzhskoe knizhnoe izd-vo, 1962. 35 p.

VASIL'EV, I. V., and M. P. MIRONOV. [Bi
economy and foreign trade] Birma; ekono
niaia torgovlia. Moskva, Vneshtorgizda
159 p.

VSESOIUZNYI S"EZD PROFESSIONAL'NYKH
13th, Moscow, 1963. [Materials of the 13
of Trade Unions of the U.S.S.R.] Material
Profizdat, 1964. 180 p.

[WORK WITH PEOPLE IS THE MAIN CONCE
Glavnoe - rabota s liud'mi. Moskva, Sove
Rossiia, 1962. 140 p. (Resheniia XXII s"
KPSS-v zhizn'!)
(MiU)

ZAKHVATAEVA, A. N. [Women of White Ru
builders of communism] Zhanchyny Belaru
niki kamunizma. Minsk, Dziarzh. vyd-va
1963. 204 p.

ZALEVSKII, A. V., and E. N. DEVIATIHIL'NYI
nomics of the efficient use of machinery on
collective farms] Ekonomika ratsional'nogo
zovaniia tekhniki v kolkhozakh. Moskva, K
1964. 141 p.

ZUBKOV, A. I. [Characteristics of the distrib
industrial enterprises in the R.S.F.S.R. d
building of communism] Osobennosti razm
promyshlennosti RSFSR v period razvernuto
mizma. Moskva, Sovetskaia Rossiia, 1964.

ZYSKIN, G. G. [Judaism and Zionism; whose t
and how] Iudaizm i sionizm; komu i kak sl
[Kuibyshev] Kuibyshevskoe knizhnoe izd-vo,
60 p.

6. POLITICAL SCIENCE

ABASHMADZE, V. V. [The All-People Socialist
[illegible]
Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"]
76 p. [In Georgian]

ABILOVA, G. A., and O. P. KHALAFOV. [From
practice of the sections of political educatio
maarif bolmelerinin ish tecrubesinden. B
Azerneshr, 1963. 34 p. [In Azerbaijani]

ALMA-ATA. INSTITUT ISTORII PARTII. [In
the Communist Party of Kazakhstan. A colle
articles on the 60th anniversary of the Secon
gress of the Russian Social Democratic Party
[illegible] Kompartii Kazakhstana. Sborni
k shestidesiatiletiiu II s"ezda RSDRP. Alma
Kazakhskoe gos. izd-vo, 1963. 306 p.
(NjP)

ANDROPOV, IU. V. [Leninism lights up our ro
part at the formal session dedicated to the 94
versary of V. I. Lenin's birth, held in Moscow
22, 1964] Leninizm ozariaet nash put'; dokla
torzhestvennom zasedanii v Moskve, posviashch
94-i godovshchine so dnia rozhdeniia V. I. Len
22 aprelia 1964 goda. Moskva, Politizdat, 196

AZERBAIJAN. Verkhovnyi Sovet. [Formal mee
ing of the Supreme Soviet of the Azerbaijan S.
and the Central Committee of the CPSU of Azer
dedicated to the 40th anniversary of the Azerb
S.S.R. and the Azerbaijan CPSU, April 29, 19
verbatim report] Torzhestvennoe zasedanie
nogo Soveta Azerbaidzhanskoi SSR i TsK Kompa
Azerbaidzhana, posviashchennoe 40-letiiu Aze
dzhanskoi SSR i Kompartii Azerbaidzhana, 29
1960 g.; stenograficheskii otchet. Baku, Izd
nogo Soveta Azerbaidzhanskoi SSR, 1960. 9
(CSt-H)

BAKU. INSTITUT ISTORII PARTII. [Outline hi
the Communist Party of Azerbaijan] Ocherki
Kommunisticheskoi partii Azerbaidzhana. Ba
Azerbaidzhanskoe gos. izd-vo, 1963. 770 p.

BOGOSLOVSKII, V. V. [Policy of the U.S.A. in
Politika SShA v Afrike. Moskva, Izd-vo "Mezh
nye otnosheniia," 1964. 269 p.

BREGADZE, G. V. [The building of communism
crisis of anticommunism] Stroitel'stvo kommuni
i krizis antikommunizma. Tbilisi, Gos. izd-v
chota Sakartvelo"] 1962. 66 p. [In Georgian]

BYKOV, B. V. [Party requirements of a leader]
trebovaniia k rukovoditeliu. [Moskva] Mosk. ra
1964. 30 p. (Biblioteka sekretaria partorga

CHERKEZISHVILI, N. G. [Some problems concerning political education; from the practice of the party organization of Georgia. Nekotorye voprosy politicheskogo prosveshcheniia; iz opyta raboty partiinoi organizatsii Gruzii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1962. 93 p. [In Georgian]

CHERNIAK, E. B. [Advocates of colonialism. Historiography of neocolonialism] Advokaty kolonializma. Neokolonialistskaia istoriografiia. Moskva, Izd-vo "Mysl'," 1964. 373 p.

CHORNOBRYVETS', STEPAN. [Member of the Central Committee; a sketch] Chlen TsK; narys. Kyiv, Derzhlitvydav, 1963. 64 p. (Liudy i problemy semyrichky)
(MH)

[COMMUNISTS] Kommunisty; [sbornik. Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 166 p.

COOK, FRED. [The warfare state; juggernaut. Translated from the English. Preface by A. M. Shevchenko] Gosudarstvo voiny; dzhaggernaut. Moskva, Voenizdat, 1962. 130 p.
(CStmoR)

[DICTIONARY OF DIPLOMACY IN THREE VOLUMES] Diplomaticheskii slovar'; v trekh tomakh. Glav. red. A. A. Gromyko, S. A. Golunskii i V. M. Khvostov. Red. kollegiia: A. A. Arzumanian i dr. Moskva, Politizdat. Vol. 3. R - IA. 1964. 559 p.

[DOCUMENTS ON THE PROBLEM OF THE CHINESE-INDIAN BORDER] Sbornik dokumentov po voprosu o kitaisko-indiiskoi granitse. Peking, Izd-vo lit-ry na inostr. iazykakh, 1960. 156 p. fold. map.
(MH-L)

EESTIMAA LENINLIK KOMMUNISTLIK NOORSOOUHING. Keskkomittee. [Forty years with the Party] 40 aastat koos parteiga. Tallinn, Eesti Riiklik Kirjastus, 1962. 76 p. [In Estonian and Russian]
(MH)

GERASIN, F. V. [Activity of party organizations in the consolidating of the relations between school and life; lectures delivered at the Higher School of Party Education attached to the Central Committee of the CPSU] Deiatel'nost' partiinykh organizatsii po ukrepleniiu sviazi shkoly s zhizn'iu; lektsii, prochitannye v Vysshei partiinoi shkole pri TsK KPSS. Moskva, Izd-vo "Mysl'," 1964. 86 p. (Partiinoe stroitel'stvo: Kurs lektsii)

GROSHEV, I. I., ed. [Fraternal commonwealth of the peoples of the U. S. S. R. 1922-1936; a collection of documents and other materials] Bratskoe sodruzhestvo narodov SSSR 1922-1936 gg.; sbornik dokumentov i materialov. Moskva, "Mysl'," 1964. 438 p.

[HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION; chapters I-IX] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; I-IX glavy. [Tula] Tul'skoe knizhnoe izd-vo, 1959. 383 p.
(NNC)

IVANOV, N. A. [In a leading rural soviet of the Chechen-Ingush A. S. S. R.] V peredovom stanichnom Sovete Checheno-Ingushskoi ASSR. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1960. 43 p.
[MICROFILM]

KAKABADZE, D. K. [Political work among the masses in the village. Massovo-politicheskaia rabota na sele. Tbilisi] 1962. 73 p. [In Georgian]

KALININ. OBLASTNAIA BIBLIOTEKA. Bibliograficheskii otdel. [From the history of the Kalinin Province Party organization; an index of recommended literature] Iz istorii Kalininskoi oblastnoi partiinoi organizatsii; rekomendatel'nyi ukazatel' literatury. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 31 p.
(CSt-H)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. [Proceedings of the Central Committee of the Russian Social Democratic Party (Bolshevik), August 1917-February 1918] Protokoly TSentral'nogo komiteta RSDRP(b), avgust 1917-fevral' 1918. Moskva, Gospolitizdat, 1958. 307 p.
(CStmoR)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. TSentral'nyi komitet. [Immediate tasks of ideological work of the party. The coming meeting of representatives of the Central Committee of the CPSU with representatives of the Central Committee of the Communist Party of China] Ob ocherednykh zadachakh ideologicheskoi raboty partii. O predstoiashchei vstreche predstavitelei TsK KPSS s predstaviteliami. TsK KPK. Moskva, Gos. izd-vo polit. lit-ry, 1963. 29 p.
(NIC)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vladimirskii oblastnoi komitet. Partiinyi arkhiv. [Vladimir party organization in the years of the restoration of national economy, 1921-1925; collection of documents] Vladimirskaia partiinaia organizatsiia v gody vosstanovleniia narodnogo khoziaistva, 1921-1925 gody; sbornik dokumentov. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 344 p.
(MH)

KREVSKIKH, E. G. [Toward communist self-government; from the practice of the Communist Party of Turkmenistan] K kommunisticheskomu samoupravleniiu; iz opyta raboty Kommunisticheskoi partii Turkmenistana. Ashkhabad, Turkmengosizdat, 1963. 137 p.

KULIK, I. IU. [Notes of a consul] Zapiski konsula. Moskva, Sovetskii pisatel', 1964. 238 p.

LEONT'EV, L. A. [Leninist studies of imperialism] Leninskoe issledovanie imperializma. Moskva, Izd-vo "Nauka," 1964. 371 p.

LESHCHENKO, L. O. [The country of three thousand islands] Kraina tr'okh tysiakh ostroviv. Kyiv, Tovarystvo "Znannia," URSR, 1963. 46 p.

LIPETSK. Oblastnoe upravlenie kul'tury. [Toward the 45th anniversary of the All-Union Lenin Communist Youth League; a methodological textbook. An aid to the worker in the cultural and educational field and the Communist Youth League activist] Navstrechu 45-letnemu iubileiu Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi; metodicheskoe posobie. V pomoshch' kul'tprosvetrabotniku i komsomol'skomu aktivistu. Lipetsk, Izd-vo gazety "Leninskoe znamia," 1963. 18 p.
(CSt-H)

LITHUANIAN S. S. R. Aukščiausioji taryba, 4 sesija, 5 šus., Wilnius, 1960. [Verbatim report of the 4th Session of the 5th Supreme Soviet of the Lithuanian S. S. R.] Stenograficheskii otchet. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1960. 139 p.
(IEN)

MEGRABIAN, B. V. [Peaceful coexistence as a demand of the present time. Mirnoe sosushchestvovanie - trebovanie sovremennosti. Erevan, Armianskoe gos. izd-vo] 1963. 45 p. [In Armenian]

MERTSKHULAVA, A. A. [The new statute of the CPSU as the creative development of Lenin's organizational principles. Novyi ustav KPSS - tvorcheskoe razvitie Leninskikh organizatsionnykh printsipov. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1962. 103 p. [In Georgian]

[MILITANT PARTY HELPERS; from the work practice of the organs of party-state control in the Estonian S. S. R.] Boevye pomoshchniki partii; iz opyta raboty organov partiino-gosudarstvennogo kontrolia v Estonskoi SSR. Tallinn, Estonskoe gos. izd-vo, 1964. 137 p.

MURADIAN, V. A. [Concord in combat. Work of army party organizations in educating Soviet soldiers in the spirit of the friendship of nations at the fronts in the Great Patriotic War; based on materials of the South-Western, Voronezh, North Caucasian and Transcaucasian fronts, 1941-1943] Boevoe sodruzhestvo: Deiatel'nost armeiskikh partiinykh organizatsii po vospitaniiu sovetskikh voinov v dukhe druzhby narodov na frontakh Velikoi Otechestvennoi voiny (po materialam IUgo-Zapadnogo, Voronezhskogo, Severo-Kavkazskogo i Zakavkazskogo frontov za 1941-1943 gg.). Baky, Azerbaidzhanskoe gos. izd-vo, 1964. 214 p.

NAL'CHIK. KABARDINO-BALKARSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Formation and consolidation of the Kabardino-Balkar provincial Party organization during 1917-1922; documents and materials] Vozniknovenie i ukreplenie Kabardino-Balkarskoi oblastnoi partiinoi organizatsii v 1917-1922 gg.; sbornik dokumentov i materialov. Sost. Kh. G. Beriketov, R. Kh. Gugov i U. A. Uligov. Pod red. Kh. G. Beriketova. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 323 p.
(MH)

[THE NATURE OF RELATIONS BETWEEN SOCIALIST COUNTRIES] O kharaktere otnoshenii mezhdu sotsialisticheskimi stranami. Moskva, Izd-vo "Mysl'," 1964. 30 p.

NIKOL'SKII, N. M. [The basic question of the present times; the problem of the elimination of wars] Osnovnoi vopros sovremennosti; problema unichtozheniia voin. Pod red. N. N. IAkovleva. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 426 p.

[PARTICIPANTS IN THE PLENARY SESSION SPEAK. Govoriat uchastniki Plenuma. Tbilisi, Izd-vo "Sabchota Sakartvelo"] 1964. 47 p. [In Georgian]

PARTITO COMUNISTA ITALIANO. 10th Congress, Rome, 1962. [The Tenth Congress of the Italian Communist Party, Rome, December 2-8, 1962] X s"ezd Ital'ianskoi Kommunisticheskoi partii, Rim, 2-8 dekabria 1962 goda. Moskva, Gospolitizdat, 1963. 158 p. (Dokumenty i materialy zarubezhnykh Kommunisticheskikh i rabochikh partii)
(CSt-H)

[THE PARTY LEADS US TO COMMUNISM] Nas k kommunizmu partiia vedet. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 305 p.
(CSt-H)

PIRTSKHALAVA, G. S. [The great attractive force of the idea of socialism. Velikaia pritiagatel'naia sila idei sotsializma. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 163 p. [In Georgian]

[PROGRAM FOR THE STUDY OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION. Programma po izucheniiu istorii KPSS. Tbilisi, Izd-vo TsK KP Gruzii] 1963. 64 p. [In Georgian]

[PROLETARIAN INTERNATIONALISM, THE STANDARD OF THE WORKERS OF ALL COUNTRIES AND CONTINENTS] Proletarskii internatsionalizm - Znamia trudiashchikhsia vsekh stran i kontinentov. Moskva, Izd-vo "Mysl'," 1964. 46 p.

SAMARIN, N. N. [Barry Goldwater, the sower of hatred] Barri Goldwoter - seiatel' nenavisti. Moskva, Politizdat, 1964. 46 p. (Vot oni, "[illegible]")

SELIVANOV, A. B. [When the deputies are active] Kogda deputaty aktivny. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 86 p.

SHIBAEVA, N. P. [The Bolshevik Party in the reactionary period from 1907 to 1910] Partiia bol'shevikov v period reaktsii (1907-1910 gg.) Moskva, Politizdat, 1964. 30 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

SHIIAN, P. K., and M. A. FRANK. [City in the steppes] Gorod v stepi. Stalino, Knizhnoe izd-vo, 1960. 23 p.
(MH-L)

SIMARZIN, V. S. [How to conduct the study of the theme; "The party, the inspirer and organizer of the victory of the Great October Socialist Revolution, March-October 1917] Kak provesti zaniatie po teme, "Partiia - vdokhnovitel' i organizator pobedy Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii, mart-oktiabr' 1917 goda." [Groznyi] Groznenskii rabochii [1963] 17 p.
(CSt-H)

SIMONISHVILI, Z. A. [Laws of the development of the world socialist system. Zakonomernosti razvitiia mirovoi sotsialisticheskoi sistemy. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 81 p. [In Georgian]

SOLOV'EVA, E. A. [Party work in creative cultural organizations and agencies; from the work of the Moscow Urban Committee of the CPSU. Lecture delivered in the Higher Party School at the Central Committee of the CPSU] O partiinoi rabote v tvorcheskikh organizatsiiakh i uchrezhdeniiakh kul'tury; iz opyta raboty Moskovskogo gorodskogo komiteta KPSS. Lektsiia, prochitannaia v Vysshei partiinoi shkole pri TsK KPSS. Moskva, Izd-vo VPSh pri TsK KPSS, 1963. 47 p. (Partiinoe stroitel'stvo; kurs lektsii)
(MH)

SVERDLOV, G. M. [London and Bonn; English imperialism and the rearmament policy of the G. F. R., 1955-1963] London i Bonn; angliiskii imperializm i politika perevooruzheniia FRG (1955-1963 gg.). Predisl. akademika I. M. Maiskogo. Moskva, Izd-vo In-ta mezhdunar. otnoshenii, 1963. 239 p.

SVERDLOVSK. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [Problems of the history of the CPSU and philosophy; a collection of articles by the departments of the social sciences] Voprosy istorii KPSS i filosofii: sbornik statei kafedr obshchestvennykh nauk. Sverdlovsk, Sverdlovskii gos. pedagog. in-t, 1960. 172 p.
[MICROFILM]

TURKMEN S. S. R. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Turkmen S. S. R., first session, March 26, 1963. Verbatim report] Turkmenistan SSR altynshy chagyrylysh Ekary Sovetinin mezhlisleri, birinshi sessiia (1963-nshi iylyn 26-nshy marty). Stenografik khasabat. Ashgabat, Turkmendovletneshir, 1963. 193 p. [In Turkmen and Russian]

VARLAMOV, K.I., and N.A. SLAMIKHIN. [Unmasking of the theory and tactics of "leftist communists" by V.I. Lenin, November 1917 to 1918] Razoblachenie V.I. Leninym teorii i taktiki "levykh kommunistov," (oktiabr' 1917 g. - 1918 g.) Moskva, Izd-vo "Mysl'," 1964. 414 p.

[WE SUPPORT THE JUST POSITION OF THE SOVIET UNION, AND TAKE A STAND AGAINST THE DISRUPTION OF THE CONFERENCE OF THE HEADS OF GOVERNMENT OF FOUR COUNTRIES BY AMERICAN IMPERIALISTS] Podderzhivaem spravedlivuiu pozitsiiu Sovetskogo Soiuza, vystupaem protiv sryva amerikanskimi imperialistami soveshchaniia glav pravitel'stv chetyrekh derzhav. Peking, Izd-vo Literatury na inostr. iazykakh, 1960. 30 p.
(WaU)

ZEMLIANSKII, D.S. [The leading vanguard of the Soviet people] Zakalennyi avangard sovetskogo naroda. Tbilisi, Izd-vo TsK KP Gruzii, 1964. 91 p. [In Georgian]

ZHVANIA G.K. [Twentieth Congress of Lenin's Party] XX s"ezd leninskoi partii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1964. 85 p. [In Georgian]

ZINOV'EV, M.S. [Visual aids in teaching the history of the CPSU] Nagliadnost' v prepodavanii istorii KPSS. Moskva, Izd-vo "Vysshaia shkola," 1964. 73 p.

ZORIN, V.S. [The American "ultras"] Amerikanskie "ul'tra." Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhnike. VII seriia: Mezhdunarodnaia, no. 9)

7. LAW

[illegible], M. [illegible] [Legal regulation of [illegible]] [illegible] Moskva, [illegible] 1963. 164 p.

ALEKSANDROV, N.G., and others. [Theory of state and law, a textbook for secondary law schools] Teoriia gosudarstva i prava, uchebnik dlia srednikh iuridicheskikh shkol. Izd. 2., [illegible] Aleksandrov. Moskva, Gos. izd-vo iurid. lit-ry, 1956. 305 p.
(MH-L)

[illegible], V.D. [Manual on [illegible] law for [illegible]] [illegible] [Moskva] [illegible] 1963. 89 p.

ANDREEVSKII, I.M., and others. [Legal manual for workers in housing and municipal administration] Spravochnik po zhilishchno-kommunal'nomu [illegible] Moskva, Izd-vo [illegible] 1964. 566 p.

[illegible], I. B. [Utilization of criminalistic facts in court trial] [illegible] Moskva, "Iuridicheskaia literatura," 1964. 232 p.

[illegible], I. I. [Organization of the courts and procurators' offices of the Azerbaijan S.S.R.] Azerbaijan SSR-de mehkemelerin ve prokurorluqun teshkili; dors vesaiti. Baku, Azerneshr, 1963. 144 p. [In Azerbaijani]

[illegible], M. P. [Before the court of the [illegible]] Pered sudom [illegible] Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 239 p.

BULATOV, S.IA. [Liability for offenses against political, labor, and other rights of citizens under the Criminal Code of the Kazakh S.S.R.] Otvetstvennost' za prestupleniia protiv politicheskikh, trudovykh i drugikh prav grazhdan po ugolovnomu kodeksu Kazakhskoi SSR. Alma-Ata, Kazakhskii gos. univ. im. S.M. Kirova, 1963. 24 p.
[MICROFILM]

DOBROVOL'SKAIA, T.N. [The Supreme Court of the U.S.S.R.] Verkhovnyi sud SSSR. Moskva, "Iuridicheskaia literatura," 1964. 183 p.

DUBOVETS, P.A. [Liability for bodily injuries under Soviet criminal law] Otvetstvennost' za telesnye povrezhdeniia po sovetskomu ugolovnomu pravu. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 151 p.

DZHORBENADZE, S.M. [Organized [illegible] socialist [illegible] in the U.S.S.R.] [illegible] Izd-vo "[illegible]," 1964. 230 p. [In Georgian]

[illegible], L.S. [Guaranteed and compensatory payments to workers and employees] Garantiinye i kompensatsionnye vyplaty rabochim i sluzhashchim. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. [illegible] p. (Biblioteka [illegible])

GUREEV, P.A. [Privileges accorded to persons called [illegible]] L'goty dlia lits, [illegible] Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 57 p. [illegible]

[illegible], I. M., and [illegible] [illegible] Moskva, Izd-vo "Iuridicheskaia literatura," 1964. [illegible]

[illegible]

[illegible] 1963. [illegible]
[MICROFILM]

[illegible], V.I. [illegible] Moskva, Izd-vo [illegible] 1963. 18 p.

[illegible] [illegible] 1963. 32 p.
[MICROFILM]

[illegible] [illegible] Moskva, [illegible] 1963. 43 p.
[MICROFILM]

KIRGHIZ S.S.R. Laws, statutes, etc. [Statute on [illegible] of the Kirghiz S.S.R. Approved by decree of the Presidium of the Supreme Soviet of the Kirghiz S.S.R. on Dec. [illegible], 1962] [illegible] Frunze, Kyrgyzstan, 1963. 35 p.
(MH-L)

KOROVIN, S. F., and V. N. SKOBELKIN. [Legal protection of wages of workers and employees] Pravovaia okhrana zarabotnoi platy rabochikh i sluzhashchikh. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 88 p. ([illegible])

[illegible], B. M. [Law of state socialist property in the U.S.S.R.] Pravo gosudarstvennoi sotsialisticheskoi sobstvennosti v SSSR. [Moskva] Izd-vo Moskovskogo univ., 1964. 227 p.
(MH-L)

[illegible], A. P. [Protection of the rights and interests of children] Zashchita prav i interesov detei. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 35 p. ([illegible])
[MICROFILM]

LATVIAN S.S.R. Laws, statutes, etc. [Chronologic collection of laws of the Latvian S.S.R., edicts of Presidium of the Supreme Soviet of the Latvian S.S.R. and resolutions of the Government of the Latvian S.S.R., 1940-1958] Hronologisks likumu krājums, Latvijas PSR likumu, Latvijas PSR Augst kās Padomes Prezidija dekrētu un Latvijas PSR valdības lēmumu hronologisks krājums, 1940-195 Rīga, Latvijas valsts izdevn., 1960. 570 p. [In Latvian]
(MH)

LATVIAN S.S.R. Laws, statutes, etc. [Civil Proce Code of the Latvian Soviet Socialist Republic] Latvij Padomju Sociālistiskās Republikas civilprocesa kode Rīga, Latvijas valsts izdevn., 1964. 230 p. [In Latvi

LATVIAN S.S.R. Laws, statutes, etc. [Conservatio in the Latvian S.S.R.; collection of laws, decrees a regulations on conservation] Okhrana prirody v La viiskoi SSR; sbornik zakonov, postanovlenii i pol ob okhrane prirody. Riga, Latviiskoe gos. izd- 1964. 105 p.

MAL'TSMAN, T.D. [Preparation, revision, and annulment of recordings of acts concerning civil status] Sostavlenie, ispravlenie i annulirovanie zapisei aktov grazhdanskogo sostoianiia. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 103 p.

[illegible], M. P. [Delivery and acceptance of [illegible]] [illegible] Moskva, [illegible] 1964. 101 p. [illegible]

[illegible], M. G. [Contract on delivery of goods and its role in strengthening the business accounting system] Dogovor postavki i ego rol' v ukreplenii khozraschet [illegible] Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 216 p.

[illegible], S.I. [Soviet penal law, a practical manual for students and correspondence students of [illegible]] [illegible] Alma-Ata, Kazakhskii gos. univ. im. S.M. Kirova, 1962. 71 p.

MEZHDUNARODNAIA NAUCHNAIA KONFERENTSIIA, [illegible], 1963. [The Soviet state and law during the [illegible] building of communism] [illegible]
(MH)

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [International law] Mezhdunarodnoe pravo. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. [illegible] p.

[illegible], S. [illegible] [illegible] Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 111 p.

[illegible], D. I. [Legal force of court decisions] Zakonnaia sila sudebnogo resheniia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 183 p.

[REGULATIONS GOVERNING THE COMMISSIONS ON JUVENILE AFFAIRS] Polozhenie o komissiiakh po delam nesovershennoletnikh. Moskva, Gos. izd-vo iurid. lit-ry, 1961. 15 p.
(CLL)

[illegible], A. V. [Legal principles of the work of medical and pharmaceutical workers in the Ukraine] Pravovi osnovy pratsi medychnykh i farmatsevtychnykh pratsivnykiv Ukrainy. Kyiv, Derzh. med. vyd-vo URSR, 1963. 148 p.
(MH-L)

RUSKOL, A.A., and A.A. DENISOV. [Production management of collective and state farms and their legal status] Proizvodstvenno-khoziaistvennoe upravlenie i ego pravovoe polozhenie. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 150 p.

RUSSIA (1917- R.S.F.S.R.) Laws, statutes, etc. [Criminal Code of the R.S.F.S.R.; official text amended as of December 1, 1963, with added materials systematically arranged by sections of the Code] Ugolovnyi kodeks RSFSR; ofitsial'nyi tekst s izmeneniiami na 1 dekabria 1963 g. i s prilozheniem postateino-sistematizirovannykh materialov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 261 p.

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Collection of laws on inland water transportation] Sbornik zakonodatel'stva po vnutrennemu vodnomu transportu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 173 p.

URAKOV, L.I. [Public accusation and public defense in Soviet criminal procedure] Obshchestvennoe obvinenie i obshchestvennaia zashchita v sovetskom ugolovnom protsesse. Moskva, "IUridicheskaia literatura," 1964. 121 p.

VACHEISHVILI, A.K. [Outline history of Georgian law. Ocherki istorii gruzinskogo prava. Tbilisi, Izd. Tbilisskogo univ. In Georgian]
Vol. 3, 1963. 245 p.

VASILENKOV, P.T., and others. [Soviet law] Sovetskoe pravo. Moskva, Vysshaia shkola, 1964. 479 p.

ZARUBINSKII, E.A. [Soviet government law; textbook for the course on Soviet law] Sovetskoe gosudarstvennoe pravo; uchebnoe posobie po kursu "Sovetskoe pravo." Moskva, Vses. zaochnyi finansovo-ekon. in-t, 1960. 53 p.
[MICROFILM]

8. EDUCATION

[ADMISSION RULES AND PROGRAMS FOR STUDENTS ENTERING SECONDARY SPECIALIZED SCHOOLS OF THE U.S.S.R. IN 1964] Pravila priema i programmy dlia postupaiushchikh v srednie spetsial'nye uchebnye zavedeniia SSSR v 1964 godu. Moskva, Izd-vo "Vysshaia shkola," 1964. 51 p.

ADUEVSKII, V.V. [A court on a table] Kort na stole. Moskva, "Fizkul'tura i sport," 1964. 45 p. (Sport - detiam)

ALEKSANDROV, N.F. [Training in the communist attitude to work] Vospitanie kommunisticheskogo otnosheniia k trudu. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1962. 89 p.
(MH)

ALIEV, IU.M. [Methodology for reading instruction] Negme dersinin tedrisi metodikasy; I-VI sinifler uchun. Baky. Azertedrisneshr, 1964. 86 p. [In Azerbaijani]

CHIBOTARU, F. [Sketches on the history of public education in Bessarabia, 1812-1866. Ocherki po istorii narodnogo obrazovaniia v Bessarabii, 1812-1866. Red. A.I. Babii. Kishinev, Kartia Moldoveniaske] 1962. 239 p. [In Moldavian]
(MH)

[COMMUNIST EDUCATION AND THE STRENGTHENING OF THE TIES OF SCHOOL WITH LIFE; collection of documents] O kommunisticheskom vospitanii i ukreplenii sviazi shkoly s zhizn'iu; sbornik dokumentov. Moskva, Prosveshchenie, 1964. 479 p.

[DIRECTORY FOR STUDENTS ENTERING INSTITUTIONS OF HIGHER LEARNING OF THE U.S.S.R. IN 1964] Spravochnik dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1964 g. Moskva, Vysshaia shkola, 1964. 285 p.

[DIRECTORY FOR STUDENTS ENTERING SPECIALIZED SECONDARY SCHOOLS OF THE U.S.S.R.; technical and vocational schools in 1964] Spravochnik dlia postupaiushchikh v srednie spetsial'nye uchebnye zavedeniia SSSR; tekhnikumy, uchilishcha, shkoly v 1964 godu. Moskva, Vysshaia shkola, 1964. 380 p.

EIGINSON, E.N. [Sporting goods] Sportivnye tovary. Moskva, Ekonomika, 1964. 182 p.

FROLOV, V.V. [Puck and its heroes] Shaiba i ee geroi. Moskva, Sovetskaia Rossiia, 1964. 173 p.

GANDEL'MAN, V.A., and I.L. PECHENIUK. [Our workers' faculty] Nash rabfak. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 8)

GLEBOV, V.I. [Television in the educational process] Televidenie v uchebnom protsesse. Moskva, "Vysshaia shkola," 1964. 104 p. (Obmen opytom raboty)

GONCHAROV, V.N. [Education is a communal cause; from the work of the party organization of the Korbolikha geological survey party] Vospitanie - delo obshchestvennoe; iz opyta raboty partiinoi organizatsii Korbolikhinskoi geologorazvedochnoi partii. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 36 p.
(CSt-H)

GORDIN, R.R. [Stories about Zaikin] Rasskazy o Zaikine. Kishinev, Kartia Moldoveniaske, 1964. 254 p.

GRITCHENKO, N.V. [Physical culture for elderly men] Fizkul'tura dlia muzhchin pozhilogo vozrasta. Moskva, Meditsina, 1964. 30 p.

GROMBAKH, S.M., ed. [Hygienic problems of boarding schools] Gigienicheskie voprosy shkoly-internata. Moskva, Izd-vo "Meditsina," 1964. 256 p. (Biblioteka sanitarnogo vracha)

KURCHAKOV, B.M. [Acrobatic pyramids] Akrobaticheskie piramidy. Kirov, Kirovskii gos. pedagog. in-t im. V.I. Lenina, 1963. 53 p.
[MICROFILM]

[LEISURE TIME] V chasy dosuga. Moskva, Voenizdat, 1964. 102 p.

[LET'S EXPAND THE PRACTICE OF LIPETSK SCHOOLS] Lipetskilik mugalimderdin aldynky tazhryibalaryn keniri zhaiyltaly. Frunze, Kyrgyzokuupedmambas, 1963. 98 p. [In Kirghiz]

LEVITOV, N.D. [Child and educational psychology; textbook for pedagogical institutes] Detskaia i pedagogicheskaia psikhologiia; uchebnoe posobie dlia pedagogicheskikh institutov. 3. izd., isp. i dop. Moskva, Prosveshchenie, 1964. 476 p.

MDIVANI, K.D. [Psychological basis of some problems in the teaching of mathematics in secondary schools] K psikhologicheskim osnovam nekotorykh voprosov prepodavaniia matematiki v srednei shkole. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 113 p. [In Georgian]

MIRAKIAN, B.M. [Educational work in the Erivan Boarding School No. 1. Vospitatel'naia rabota v Erevanskoi shkole-internate No. 1. Erevan, Armuchpedgiz] 1963. 163 p. [In Armenian]

NAUMOV, S.F., and IU.I. TIUSHIN. [Large school buildings] Shkol'nye zdaniia bol'shoi vmestimosti. Moskva, Stroiizdat, 1964. 109 p.

PANOV, V.N. [First book of a chessman] Pervaia kniga shakhmatista. Moskva, Fizkul'tura i sport, 1964. 303 p.

PODAR', G.K., and E.P. STEPANENKO. [Ice skating; manual for Children's Sports Schools and school collectives of physical culture] Kon'kobezhnyi sport; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 150 p.

RUSSIA (1917- R.S.F.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Examinations for students entering higher educational institutions of the U.S.S.R. in 1962] Programmy vstupitel'nykh ekzamenov dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1962 godu. Moskva, Gos. izd-vo "Vyshaia shkola," 1962. 46 p.
[MICROFILM]

[SELECTED GAMES OF RAGOZIN] Izbrannye partii Ragozina. Moskva, Fizkul'tura i sport, 1964. 199 p.

SEMENOV, L.P. [Advice to trainers; collection of exercises and methodological recommendations] Sovety treneram; sbornik uprazhnenii i metodicheskikh rekomendatsii. Moskva, Fizkul'tura i sport, 1964. 135 p.

SHEIKO, M.K. [Outdoor games for kindergartners] Rukhlyvi ihry doshkil'nykiv. 2. dop. vyd. Kyiv, Derzh. uchbovo-pedagog. vyd-vo 'Radians'ka shkola," 1962. 251 p.
(NSyU)

TAGIZADE, G.M. [Physical education of youth] Kenchlerin beden terbiiesi. Baku, Azerneshr, 1963. 42 p. [In Azerbaijani]

VASIL'KOV, G.A. [Teaching gymnastics in grades 5-8; a manual for teachers] Prepodavanie gimnastiki v 5-8 klassakh; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 174 p.

VOROB'EV, A.N. [Present-day training in weight lifting] Sovremennaia trenirovka tiazheloatleta. Moskva, Fizkul'tura i sport, 1964. 205 p.

9. MUSIC, THEATER & MOTION PICTURES

ANASTAS'EV, A.N. [Pogodin's trilogy on Lenin on the stage] Trilogiia Pogodina o Lenine na stsene. Moskva, Izd-vo 'Nauka," 1964. 71 p.

BERTENSON, S.L. - [In Hollywood with V.I. Nemirovich-Danchenko, 1926-1927] V Khollivude s V.I. Nemirovichem-Danchenko (1926-1927). Po materialam arkhiva S.L. Bertensona, sost. K. Aronskii. [Monterey, California, K. Arensburger] 1963. 166 p.

BOBYSHOV, M.P. [Theater sketches; album of reproductions] Teatral'nye eskizy; al'bom reproduktsii. Leningrad, Khudozhnik RSFSR, 1961. 15 p. 18 plates (in portfolio)
(IaU)

DOLZHANSKII, A.N. [Concise musical dictionary] Kratkii muzykal'nyi slovar'. Izd. 4. Leningrad, Muzyka, 1964. 517 p.

DROBASHENKO, S.V. [Motion picture director Joris Ivens] Kinorezhisser Ioris Ivens. Moskva, Iskusstvo, 1964. 102 p. (Mastera zarubezhnogo kinoiskusstva)

JAKOBSONE, L., I. PABERZA, and E. KRUZE. [Methodological instructions for using textbooks in the study of singing for grades 1-4] Metodiski noradijumi, ka stradat ar dziedasanas gramatam pirmajas cetras klases. Riga, Latvijas Valsts izd-ba, 1963. 46 p. [In Latvian]

KHENTOVA, S.M. Lev Oborin. Leningrad, Muzyka, 1964. 201 p.

KOMAROV, S.V. [Motion picture art of Italy, 1905-1914] Kinoiskusstvo Italii (1905-1914). Moskva, Vses. gos. in-t kinematografii, 1963. 20 p. (Istoriia zarubezhnogo kino, no. 7)

KRASNOYARSK (Kray). Upravlenie kul'tury. [Dances of the peoples of Krasnoyarsk Territory] Tantsy narodov Krasnoiarskogo kraia. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1960. 84 p.
(MH)

KULIEV, T.A. [The symphony orchestra] Simfonik orkestr. Baky, Azerneshr, 1963. 52 p. illus. (Musigi heveskarlarynyn kitabkhanasy) [In Azerbaijani]

LENINGRAD. GOSUDARSTVENNAIA KONSERVATORIIA. [From the history of the Leningrad Conservatory; materials and documents, 1862-1917] Iz istorii Leningradskoi konservatorii; materialy i dokumenty, 1862-1917. Leningrad, Muzyka, 1964. 327 p.

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TEATRA, MUZYKI I KINEMATOGRAFII. [Shakespeare and music] Shekspir i muzyka. Leningrad, Izd-vo "Muzyka," 1964. 318 p.

[LIFE OF FRANZ SCHUBERT IN DOCUMENTS; according to the publications of Otto Erich Deutsch and other sources] Zhizn' Frantsa Shuberta v dokumentakh; po publikatsiiam Otto Erikha Deicha i drugim istochnikam. Moskva, Muzgiz, 1963. 840 p.

LIUBOMUDROV, M.N. [The oldest in Russia; creative path of the Yaroslavl Dramatic Theater] Stareishii v Rossii; tvorcheskii put' IAroslavskogo Dramaticheskogo Teatra. Moskva, Iskusstvo, 1964. 262 p.

MARDANOV, M.G. [My recollections] Khatiralarim. Baky, Azerbaichan dovlet neshriiiaty, 1964. 231 p. [In Azerbaijani]

METNER, N.K. [Daily work of the pianist and composer; pages from notebooks] Povsednevnaia rabota pianista i kompozitora; stranitsy iz zapisnykh knizhek. Moskva, Gos. muzyk. izd-vo, 1963. 91 p.

MININ, A.E. [Commercial study of musical instruments] Tovarovedenie muzykal'nykh instrumentov. Moskva, Ekonomika, 1964. 139 p.

MOSCOW. VSESOIUZNYI GOSUDARSTVENNYI INSTITUT KINEMATOGRAFII. Kafedra kinodramaturgii. [From plot to motion picture] Ot zamysla k fil'mu. Moskva, Biuro propagandy sovetskogo iskusstva, 1963. 373 p.

NAZARENKO, I. K. [Art of singing; sketches and materials on the history, theory and practice of artistic singing. An anthology] Iskusstvo peniia; ocherki i materialy po istorii, teorii i praktike khudozhestvennogo peniia. Khrestomatiia. Izd. 2., perer. i dop. Moskva, Muzgiz, 1963. 511 p. illus.

NEZVANOV, B. A., and A. N. LASHCHENKOVA. [A chrestomathy of aural harmonic analysis; a manual on a solfeggio course for music schools] Khrestomatiia po slukhovomu garmonicheskomu analizu; posobie po kursu sol'fedzhio dlia muzykal'nykh uchilishch. Pod red. A. L. Ostrovskogo. Leningrad, Izd-vo "Muzyka," 1964. 219 p.

OSHANIN, L. I. [In our yard; songs of recent years] A u nas vo dvore; pesni poslednikh let. [Moskva] Molodaia gvardiia, 1964. 191 p.

OZEROV, N. N. [Operas and singers; expressions, impressions] Opery i pevtsy; vyskazyvaniia, vpechatleniia. Moskva, Vserossiiskoe teatral'noe ob-vo, 1964. 208 p.

RUMNEV, A. A. [Pantomime; theater, motion pictures] O pantomime; teatr, kino. Moskva, Iskusstvo, 1964. 241 p.

SHAGINIAN, M. S. [Resurrection from the dead; the story of a study] Voskreshenie iz mertvykh; povest' ob odnom issledovanii. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 406 p.

SHALUTASHVILI, N. N. [The A. S. Griboedov Russian Drama Theater in Tiflis] Tbilisskii russkii dramaticheskii teatr im. A. S. Griboedova. Tbilisi, Teatral'noe ob-vo Gruzii, 1962] 49 p. illus. [In Georgian]

SOKOL'SKAIA, A. L. [Simone Signoret] Simona Sin'ore. Leningrad, "Iskusstvo," 1964. 133 p. illus. (Mastera zarubezhnogo kinoiskusstva)

[SONGS OF THE GREAT BARD] Pisni velykoho Kobzaria. Kyiv, Vyd-vo "Naukova dumka," 1964. 305 p.

STEL'MAKH, V. M. [The path of the White Russian theater; from the history of Ukrainian-White Russian theatrical relations] Shliakhi bilorus'koho teatru; z istorii ukrains'ko-bilorus'kykh teatral'nykh zv'iazkiv. Kyiv, "Mystetstvo," 1964. 168 p.

[THEATRICAL REMARKS; 1961-1962] Teatrimarkmeid; [1961-1962] Tallinn, Eesti NSV Teatriuhing, 1963. 148 p. [In Estonian]

[VALERIAN SHALIKASHVILI; papers. Valer'ian Shalikashvili; sbornik. Tbilisi, Izd-vo "Khelovneba"] 1962. 276 p. [In Georgian]

[THE WORK OF AN ACTOR; collection of articles] Trud aktera; sbornik statei. Moskva, Sovetskaia Rossiia. No. 12. Simonov, Smoktunovskii, Sholest, Tikhonov, Tabakov. 1964. 95 p. (Bibliotechka khudozhestvennoi samodeiatel'nosti, no. 12)

ZELWEROWICZ, ALEKSANDER. [Story of an old actor. Translated from the Polish] Rasskaz starogo komedianta. Leningrad, Iskusstvo, 1964. 222 p. (Teatral'nye memuary)

ZHORNITSKAIA, M. IA. [Four Yakut dances] Chetyre iakutskikh tantsa. IAkutsk, IAkutskoe knizhnoe izd-vo, 1960. 94 p.

[MICROFILM]

10. FINE ARTS

ALPATOV, M. V. [Etudes on the history of west European art] Etiudy po istorii zapadnoevropeiskogo iskusstva. [Izd 2., dop.] Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 423 p. illus.

ANTONOVA, L. V. [Persons of talent in serfdom on the estate of the Sheremetevs] Krepostnye talanty v usad'be Sheremetevykh. Leningrad, Izd-vo Gos. Ermitazha, 1964. 40 p.

ARTAMONOV, M. I., and V. F. LEVINSON-LESSING, eds. [The State Hermitage; 17th to 18th century paintings] Gosudarstvennyi Ermitazh; zhivopis' XVII-XVIII vekov. Praga, Artiia, Leningrad, Izd-vo Gos. Ermitazha [n. d.] v-xxx, 95 p. illus.

BARASCHI, CONSTANTIN. [Treatise on sculpture. Translated from the Rumanian] Traktat po skul'pture. Bucharest, Izd-vo "Meridiane," 1964. 287 p. illus.

BIELICHKO, IU. V. [Ukraine in the works of I. E. Repin] Ukraina v tvorchosti I. IU. Riepina. Kyiv, Mystetstvo, 1963. 125 p.
(MH)

BUCHKIN, P. D. [Of that which is in the memory; notes of an artist] O tom, chto v pamiati; zapiski khudozhnika. Leningrad, Khudozhnik RSFSR, 1962. 248 p. illus.
(NjP)

CHEZZA, L. [Fruits from the tree of friendship; sketches on Moldavian art] Plody s dereva druzhby; ocherki o moldavskom iskusstve. Kishinev, Kartia moldoveniaske, 1964. 134 p. illus.

[CHILDREN'S DRAWINGS] Laste joonistusi. Detskie risunki. [Tallinn] Kirjastus "Eesti NSV kunst," 1963. 11 p. (chiefly illus.) [In Estonian and Russian]

CHUIKOV, S. A. [Notes of an artist] Zametki khudozhnika. [Moskva] Molodaia gvardiia, 1962. 110 p. plates.
(MH)

CHUIKOV, S. A. [Selected works] Izbrannye proizvedeniia. Moskva, Izd-vo Akad. khudozhestv SSSR, 1963. 23 p. 54 plates.
(MH)

[DRAWING AND PAINTING; a manual] Joonistamise ja maalimise opik. [By] Oskar Raunam ja teised. Tallinn, Kirjastus Eesti NSV Kunst, 1963. 206 p. illus. [In Estonian]

DUDUCHAVA, M. I. [Problem of the longevity of art. Problema dolgovechnosti iskusstva. Tbilisi, Izd-vo "Khelovneba"] 1962. 111 p. [In Georgian]

DYCK, Sir ANTHONIE VAN. Antonis van Deik. Moskva, Gos. Izd-vo izobraz. iskus., 1963. [10] p. 32 illus.

EMEL'IANOVA, T. D. [Embroidery] Vyshivka. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1960. 122 p.
(IEN)

GOSUDARSTVENNYI FARFOROVYI ZAVOD, Leningrad. Khudozhestvennyi farfor. Artistic porcelain. Leningrad [n. d.] 1 v. (chiefly illus) [Parallel texts in Russian, English, German and French]

IAKOBSON, P. M. [The psychology of artistic perception] Psikhologiia khudozhestvennogo vospriiatiia. Moskva, Iskusstvo, 1964. 84 p.

KOVALENSKAIA, N. N. [Russian classicism; paintings, sculpture, graphic arts] Russkii klassitsizm; zhivopis', skul'ptura, grafika. Moskva, Iskusstvo, 1964. 701 p. illus.

[LENIN IN UKRAINIAN ART; paintings, sculpture, graphic works, posters] Lenin v Ukrains'komu mystetstvi; zhyvopys, skul'ptura, grafika, plakat. [Kyiv] Derzh. vyd-vo "Mystetstvo," [1963, 2] p. plates.

LEVITAN, I. I. [Isaak Ilich Levitan; an album of reproductions] Isaak Il'ich Levitan; al'bom reproduktsii. [Moskva] Gos. izd-vo izobraz. iskus., 1963. 11 p. 24 plates.

LOHVYN, H. N. Derehus. Kyiv [Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR] 1963. 11 p. 39 plates. [In Ukrainian and Russian]
(NN)

MARUTIAN, TIRAN. [Zvartnots and monuments of the Zvartnots type; an essay in architectural criticism] Zvartnots i pamiatniki tipa zvartnots; arkhitekturnyi kriticheskii ocherk. Erevan, Armgosizdat, 1963. 186 p. [In Armenian]

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALEREIA. [The historical and revolution theme in Soviet painting; a methodological guide for lecture bureaus in art museums] Istoriko-revoliutsionnaia tema v sovetskoi zhivopisi; metodicheskoe posobie dlia lektoriev khudozhestvennykh muzeev. Moskva, 1962. 20 p.

[MICROFILM]

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSSTV. [Exhibition of works of English art...; a catalog] Vystavka proizvedenii angliiskogo iskusstva...; katalog. Moskva, "Iskusstvo," 1956. 94 p. pl.
(OCIMA)

OSHCHEPKOV, G. D. [City planning; examples of district planning] Gradostroitel'stvo; primery raionnoi planirovki. Moskva, Stroiizdat, 1964. 179 p. (Opyt zarubezhnogo stroitel'stva)

PETROV, A. N. [Pushkin; its palaces and parks] Pushkin; dvortsy i parki. Leningrad, Iskusstvo, 1964. 230 p. illus.

PIMENOV, IU. I. [Art of life or "art of nothing"] Iskusstvo zhizni ili "iskusstvo nichego." Moskva, Iskusstvo, 1964. 90 p.

PSKOV. ISTORIKO-KHUDOZHESTVENNYI MUZEI. [Catalog of Russian prerevolutionary and Soviet fine art] Katalog russkogo dorevoliutsionnogo i sovetskogo izobrazitel'nogo iskusstva. [Pskov] Izd-vo gazety "Pskovskaia pravda," 1963. 59 p. illus.

ROMADIN, N. M. [Nature of his homeland in the works of Romadin] Rodnaia priroda v tvorchestve Romadina. Tekst K. G. Paustovskogo. [Moskva, Izd-vo Akad. khudozh. SSSR, 1963] 9 p. 30 plates.
(MH)

RYBCHENKOV, B. [Smolensk in aquarelles and drawings; Smolensk on its 1100th anniversary] Smolensk v akvareliakh i risunkakh; Smolensk k 1100-letiiu. Red. N. Rylenkov. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. [3] p. plates. [Text in Russian, German and English]

SEREBRENNIKOV, N. N. [Artists of Perm] Khudozhniki Permi. Leningrad, Khudozhnik RSFSR, 1963. 67 p. plates.
(MH)

SHABAN'IANTS, N. SH. [Life and work of painter P. Z. Zakharov] Zhizn' i tvorchestvo khudozhnika P. Z. Zakharova. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1963. 79 p. 30 plates.
(NIC)

SHVIDKOVSKII, O. A. [City planning in socialist Czechoslovakia] Gradostroitel'naia kul'tura sotsialisticheskoi Chekhoslovakii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 389 p.

SMOLENSK. OBLASTNOI KRAEVEDCHESKII MUZEI. Kartinnaia galereia. [A short guide to the Section of Western European Art] Kratkii putevoditel' po Otdelu zapadno-evropeiskogo iskusstva. Smolensk, [Smolenskoe knizhnoe izd-vo] 1962. 9 p. 14 illus.
(MH)

SOIUZ ARKHITEKTOROV SSSR. [Third All-Union Congress of Soviet Architects, May 18-20, 1961; an abridged verbatim report] Tretii Vsesoiuznyi s"ezd sovetskikh arkhitektorov, 18-20 maia 1961 g.; sokrashchennyi stenograficheskii otchet. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 180 p.
(NN)

SOIUZ KHUDOZHNIKOV GRUZINSKOI SSR. [Catalog of The Travelling Exhibition of pictures by the artists Margarita and Shota Metreveli] Katalog Peredvizhnoi vystavki kartin khudozhnikov Margarity i Shota Metreveli. [Tbilisi] 1961. 36 p. plates.
(MH)

STOIKOV, ATANAS. [Criticism of abstract art and its theories] Kritika abstraktnogo iskusstva i ego teorii. Moskva, Iskusstvo, 1964. 245 p.

SUMBADZE, L. Z. [Variant design] Variantnyi ornament. Tbilisi, Gos. izd-vo "TSodna," 1963. 25 p. 63 plates. [In Georgian and Russian]

SYRKINA, F. IA. [Ideological and artistic role of Soviet satirical drawings] Ideino-khudozhestvennaia rol' sovetskoi satiricheskoi grafiki. Moskva, Izd-vo "Iskusstvo," 1964. 42 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

TALLINN. EESTI NSV RIIKLIK KUNSTIMUUSEUM. Aino Bach. Tallinn, 1961. 60 p. illus. [In Estonian and Russian]
(MH)

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT PO GRADOSTROITEL'STVU. [Recommendations for planning and building residential areas and microdistricts] Rekomendatsii po planirovke i zastroike zhilykh raionov i mikroraionov. Moskva, Stroiizdat, 1964. 298 p.

TUMBASOV, A. N. [The Kama River is leaving its bed; the Votkinsk Hydroelectric Power Station through the eyes of an artist] Kama vykhodit iz beregov; Votkinskaia GES glazami khudozhnika. [Perm'] Permskoe knizhnoe izd-vo, 1963. 60 p. illus.

VELIKIE LUKI. Otdel kul'tury. [Catalog of a personal exhibition of the artist Vladimir Moiseevich Kores, December 1961] Katalog personal'noi vystavki khudozhnika Vladimira Moiseevicha Koresa, dekabr', 1961 [Velikie Luki] 1961. [12] p. plates.
(MH)

[WORKS OF YOUNG PEOPLE; artistic works of students of the Ukrainian S.S.R.] Tvorchist' iunykh; zbirka khudozhnikh tvoriv uchniv shkil Ukrains'koi RSR. Kyiv, Derzh. vyd-vo dytiach. lit-ry, 1961. 91 p.
(NSyU)

11. LANGUAGE, LITERATURE & FOLKLORE

ABASHIDZE, GRIGOL. [Two plays. Translated from the Georgian] Dve p'esy. [Tbilisi] Zaria Vostoka [1963] 158 p.
(MH)

ADAMOV, A. G. [Personal examination; a tale] Lichnyi dosmotr; povest'. [Moskva] Molodaia gvardiia, 1963. 286 p. (Prikliucheniia, fantastika, puteshestviia)
(MH)

ADUEV, N. A. [Selected works; feuilletons, satirical verse, the comedy "Tobacco captain"] Izbrannoe; fel'etony, satiricheskie stikhi, komediia "Tabachnyi kapitan." [Moskva, Sovetskii pisatel', 1963] 291 p.
(NNC)

[ADVENTURES 1964] Prikliucheniia 1964. [Moskva] Molodaia gvardiia, 1964. 284 p. (Fantastika, prikliucheniia, puteshestviia)

AGAVERDI, G. A. [The dream came true] Iukhum chin oldu; hekaieler. Baky, Azerneshr, 1964. 31 p. [In Azerbaijani]

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Institut literatury. [Grigoris Akhtamartsi; the 16th century] Grigoris Akhtamartsi; XVI v. Issledovanie, kriticheskii tekst i kommentarii Mais Avdalbekian. Erevan, Izd-vo AN Armianskoi SSR, 1963. 357 p. [In Armenian]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. TSentral'naia nauchnaia biblioteka. [Taras Grigor'evich Shevchenko; bibliography of his works and writings about him published in Georgia] Taras Grigor'evich Shevchenko; bibliografiia proizvedenii i literatury o nem, opublikovannykh v Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 87 p. [In Georgian and Russian]

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Problems of dialectology of eastern Slavic languages] Voprosy dialektologii vostochnoslavianskikh iazykov. Moskva, Izd-vo "Nauka," 1964. 205 p.

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Slavic linguistics; a bibliographic index of literature published in the U.S.S.R. from 1918 to 1960] Slavianskoe iazykoznanie; bibliograficheskii ukazatel' literatury, izdannoi v SSSR s 1918 po 1960 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 2 v.
(CSt-H)

AKADEMIIA NAUK SSSR. Karel'skii filial, Petrozavodsk. Institut iazyka, literatury i istorii. [Chronicle of the literary life of Karelia; 1917-1961] Letopis' literaturnoi zhizni Karelii, 1917-1961. Sost. M. F. Pakhomova, N. S. Polishuk. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 510 p.
(NjP)

AKHMATOVA, A. A. [Requiem] Rekviem. Munich, Tovarishchestvo Zarubezhnykh Pisatelei, 1963. 23 p.

AKHMATOVA, A. A. [Verse, 1909-1960] Stikhotvoreniia, 1909-1960. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 318 p.
(CaOWtU)

AKHUNDOV, M. F. [Text of letters written in the Farsi language] Tekst pisem, napisannykh na farsidskom iazyke. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 45, 459 p. [In Azerbaijani, Russian, and Persian]

AKHUNOV, GARIF. [A treasure. Translated from the Tatar] Klad; roman. [Moskva] Molodaia gvardiia, 1963. 267 p.
(MH)

AKOPIAN, G. A. Nerses Shnorali. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 297 p. [In Armenian]

AKSEL'ROD, ZELIG. [Morning light; verse. Translated from the Hebrew] Utrennii svet; stikhi. Moskva, Sovetskii pisatel', 1963. 122 p.
(CtY)

AKSENOV, P. D. [Unusual voyage] Neobyknovennyi reis. [Moskva] Profizdat, 1963. 49 p.
(NIC)

AKSENOVA, A. S. [For adults...] Vzroslym... [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 93 p.
(NIC)

ALIEVA, T. N., and A. A. BALUKHIN. [A collection of dictations in Russian; for grades 5-8 of Azerbaijanian schools] Sbornik diktantov po russkomu iazyku; dlia 5-8 klassov Azerbaidzhanskoi shkoly. Baku, Azeruchpedgiz, 1964. 161 p.

ANOSHKIN, M. P. [The teacher I know] Moi znakomyi uchitel' [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 176 p.
(NIC)

[ANTHOLOGY OF BURYAT POETRY, 1923-1963. Antologiia buriatskoi poezii, 1923-1963. Red. kollegiia: Ch. R. Namzhilov i dr. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963] 592 p. [In Buryat]
(MH)

[ANTHOLOGY OF KARELIAN POETRY] Antologiia Karel'skoi poezii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 331 p.
(InU)

APUKHTINA, V. A., V. A. ZAITSEV, and A. N. METCHENKO. [Prose and poetry of our days] Proza i poeziia nashikh dnei. Moskva, Izd-vo "Znanie," 1964. 93 p. (Narodnyi universitet kul'tury: Fakul'tet literatury i iskusstva, no. 4)

ARINSHTEIN, L. M. [Progressive sociopolitical tendencies in English poetry of the 50's to 70's of the 19th century; a sketch in literary history] Progressivnye obshchestvenno-politicheskie tendentsii v angliiskoi poezii 50-kh-70-kh godov XIX veka; istoriko-literaturnyi ocherk. [Moskva] Rosvuzizdat, 1963. 174 p.

ARSEN'EV, V. K. [Meetings in the taiga; stories] Vstrechi v taige; rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1963. 173 p. (Shkol'naia biblioteka)
(MiU)

ASANALIEV, USONBEK. [Brief grammatical outline of the Lobnor language] Lobnor tilinin grammatikalyk kyskacha ocherki. Frunze, Kyrgyz SSR Ilimder Akademiiasynyn Basmasy, 1964. 209 p. [In Kirghiz]

ASEKOV, I. KH. [My day; verse. Translated from the Kumyk] Moi den'; stikhi. Moskva, Sovetskii pisatel', 1963. 101 p.
(MiU)

ASHKHABAD. TURKMENSKII GOSUDARSTVENNYI UNIVERSITET. [Makhtum-Kuli; articles dedicated to the 225th anniversary of the birth of the great poet. Makhtumkuli; sbornik statei posviashchennyi 225-letiiu so dnia rozhdeniia velikogo poeta. Ashkhabad] 1959. 317 p. [In Turkmen]
(MH)

ASTAF'EV, V. P. [The horse with the pink mane; stories] Kon' s rozovoi grivoi; rasskazy. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no. 9)

AZERBAIJAN. Ministerstvo prosveshcheniia. [Programs for eight-year schools; English, German and French for grades 5-8] Sekkizillik mekteb programlary; inkilis dili, alman dili, fransyz dili V-VIII sinifler uchun. Baky, Azertedrisneshr, 1963. 37 p. [In Azerbaijani]

AZERBAIJAN. Ministerstvo prosveshcheniia. [Programs for evening (staggered) general education secondary schools; English, German and French for grades 5-8] Akhsham (novbeli) orta umumtehsil mektebi programlary; inkilis dili, alman dili, fransyz dili V-III sinifler uchun. Baky, Azerbaichan dovlet tedris-pedagozhi edebiiiaty neshriiiaty, 1963. 34 p. [In Azerbaijani]

BABANLY, V. IU. [Life tests us] Hoiat bizi synaiyr; roman. Baky, Azerneshr, 1964. 176 p. [In Azerbaijani]

BABANS'KYI, PYLYP. [But the living should live; a tale] A zhyvym zhyty; povist'. Kyiv, Derzhlitvydav, 1963. 199 p.
(MH)

BAGRITSKII, E. G. [Verse and poems] Stikhotvoreniia i poemy. Vstup. stat'ia E. P. Liubarevoi. Sost. E. P. Liubarevoi i S. A. Kovalenko. Podgotovka teksta i prim. S. A. Kovalenko. Moskva, Sovetskii pisatel', 1964. 568 p. (Biblioteka poeta. Bol'shaia seriia. 2. izd)

BAIRAMOV, BAIRAM. [Leaves; a novel and tales. Translated from the Azerbaijani] List'ia; roman i povesti. Moskva, Sovetskii pisatel', 1963. 432 p.
(MH)

BALDANO, N. G. [Flame, Like brothers, One of many, Fishermen of Baikal, Rich Valley, At the source of a spring; plays. Plamia, Pobratimy, Odin iz mnogikh, Rybaki Baikala, Bogataia dolina, U istoka rodnika; p'esy. Ulan-Ude, Buriatskoe knizhnoe izd-vo] 1963. 348 p. [In Buryat]
(MH)

BALTAKIS, ALGIMANTAS. [A talk with the earth; verse. Translated by Igor' Grigor'ev] Razgovor s zemlei; stikhi. Leningrad, Sovetskii pisatel', 1959. 74 p.
(IEN)

BARABASH, IU. IA. [Pure gold of truth; some problems in the esthetics and poetics of O. Dovzhenko] Chiste zoloto pravdy; deiaki pytannia estetyky i poetyky O. Dovzhenka. Kyiv, Radians'kyi pys'mennyk, 1962. 200 p.
(ICU)

BASH, IA. V. [People of great faith; a tale, stories] Liudi bol'shoi very; povest', rasskazy. Moskva, Voenizdat, 1963. 171 p.
(MH)

BASHINDZHAGIAN, Z. G. [30 years devoted to Sayat'-Nova] 30 let, otdannye Saiat-Nova. Erevan, Izd-vo Erevanskogo gos. univ., 1963. 80 p.

BEKKHOZHIN, KHALIZHAN. [Three crossings; poems and verse. Tri perekhoda; sbornik poem i stikhov. Alma-Ata, Kazgoslitizdat] 1962. 183 p. [In Kazakh]
(MH)

BELOZEROV, V. V. [Cold miles; verse] Studenye mili; stikhi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 38 p.
(NIC)

BENDRUPS, K. [Birds are flying against the wind; poems] Putni lidzas pret veju; dzeja. Riga, Latvijas Valsts izd-ba, 1963. 66 p. [Publ. under his pseud. Vladimirs Kaijaks. In Latvian]

BIRZNIEKS-UPITIS, ERNESTS. [Under the apple tree; short stories] Zem abeles. Riga, Latvijas Valsts izd-ba, 1964. 187 p. [In Latvian]

BLAGOV, N. N. [The apple trees are waking up; verse] Prosypaiutsia iabloni; stikhi. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 130 p.
(MH)

BOGACH, G. F. [Pushkin and Moldavian folklore] Pushkin i moldavskii fol'klor. Kishinev, Kartia Moldoveniaske, 1963. 293 p.

BOGOLIUBSKAIA, M. K., and A. L. TABENKINA, comps. [Chrestomathy of children's literature; a manual for preschool pedagogical schools] Khrestomatiia po detskoi literature; uchebnoe posobie dlia doshkol'nykh pedagogicheskikh uchilishch. Izd. 4. Moskva, Gos. uchebno-pedagog. izd-vo 1962. 371 p.

BOGOMOLOV, I. S. [Grigorii Orbeliani and Russian culture] Grigol Orbeliani i russkaia kul'tura. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 89 p.

BOGOSLOVSKII, N. V. [Chernyshevskii's life] Zhizn' Chernyshevskogo. Moskva, Izd-vo "Detskaia literatura," 1964. 300 p. (Shkol'naia biblioteka)

BOKOV, V. F. [Lyric poetry] Lirika. Moskva, Izd-vo "Pravda," 1964. 30 p. (Biblioteka "Ogonek," no. 15)

BONDARIN, S. A. [A bunch of grapes; notes, stories, a tale] Grozd' vinograda; zapiski, rasskazy, povest'. Moskva, Sovetskii pisatel', 1964. 301 p.

BORZENKO, S.D. [El Alamein; ballads and tales] El'-Alamein; ballady i povesti. [Moskva] Molodaia gvardiia, 1963. 237 p.
(MH)

BUBENNOV, M.S. [The steppe of the eagles, a novel] Orlinaia step'; roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 598 p.

BUBENNOV, M.S. [The white birch, a novel] Belaia bereza; roman. [Moskva] Moskovskii rabochii, 1963. 560 p.
(WU)

BUILA, KANSTANTSYIA, poetl. [illegible] Na [illegible] zemli, versy. Minsk, Dziarzh. vyd-va BSSR, 1961. 63 p.
(MH)

BULATOV, M.A., comp. [Thirty-three pigs, games, counting games, [illegible] of the peoples of the Soviet Union] [illegible] Moskva, [illegible] 1962. 320 p. [illegible]
(NIC)

BUSH, I.A. [Selected works, 1902-1934] [illegible] proizvedeniia, 1902-1934. [illegible] 1961. 726 p.
([illegible])

CALDWELL, ERSKINE [illegible] Translated from the English] [illegible] Moskva, [illegible] 1961. 310 p.
(WU)

CHABANIVS'KYI, M. [illegible] Kyiv, [illegible] 1963. 191 p.
([illegible])

CHALAI, VASILII [illegible] 1962. 99 p. [illegible]
(MH)

CHANSON DE ROLAND. [Song of Roland. Translated from the Old French] Pesn' o Rolande. [illegible] Moskva, [illegible] 1958. 162 p.
(ICU)

CHELIDZE, V.V. [illegible] a biographical novel. Authorized translation from the Georgian] [illegible] Tbilisi, [illegible] "Literatura i iskusstvo" [illegible] 363 p.

CHEMENZEMINLI, IU. V. [illegible] Baku, Azerneshr, 1961. 194 p. (In Azerbaijani)

CH[illegible], A. [illegible] [illegible] 1961. [illegible] p. [illegible]
(MH)

CHIKOVANI, S.I. [Garden of life, stories and essays. Translated from the Georgian] [illegible] Tbilisi, "Zaria Vostoka," 1959. 344 p.
(CtY)

CHIKOVANI, S.I. [Selected works. Translated from the Georgian] Izbrannoe. Tbilisi, "Zaria Vostoka," 1954. 501 p.
(CtY)

CHIKOVANI, S.I. [Works. Sochineniia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"]
Vol. 1 1961. 430 p. [In Georgian]

CHIKMAN, I.K. [The dense forest; a novel. Translated from the Moldavian] Kodry; roman. Moskva, Goslitizdat, 1960. 398 p.
(MH)

CHUKOVSKII, K.I. [Alive as life; the Russian language] Zhivoi kak zhizn'; o russkom iazyke. [Izd. 2., perer. Moskva, "Molodaia Gvardiia," 1963] 175 p.
(WaU)

CHUKOVSKII, K.I. Moidodyr. Moskva, Detgiz, 1962. 16 p. (Moi pervye knizhki)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Moskva, [illegible] 1960. 140 p.
(MH)

[illegible] [Saratov, Saratovskoe knizhnoe izd-vo, 1963] 87 p.
(MH)

[illegible] Moskva, Detgiz, 1959. [illegible] p.
(MH)

DANILEVSKII, A.P. [The sun and [illegible] verse] [illegible] 1962. 88 p.
(MH)

[illegible], G.A. [On the road of a friend; a sketch of the life and work of [illegible]] [illegible] 1960. [illegible] p.
(MH)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

GAILIUNAS, PRANAS [A grammatical study of the Lithuanian language, [illegible]] [illegible] Kaunas, Valstybine pedagogine [illegible] leidykla, 1958. 74 p. [In Lithuanian]
([illegible])

GAMZATOV, R.G. [My small land, verse. Translated from the Avar] [illegible] Moskva, Detgiz, 1964. 127 p.
(MH)

GA[illegible], [illegible] [Verse and poems. [illegible]] [illegible] 1962. 227 p. [In Chuvash]
(MH)

GAZI, R. G. [The liberators; a tale] Peshmerge; povest. Baky, Azerbaichan Dovlet Neshriiiaty, 1963. 106 p. [In Azerbaijani]

GELE, ZIGMAS. [Flower garden; collected poems] Gelynas; rinktine. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 237 p. [In Lithuanian]

GINEITIS, LEONAS. [Kristijonas Donelaitis and his times] Kristijonas Donelaitis ir jo epocha. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 381 p. [In Lithuanian]

GINTS, S. M. [The poet Vladislav Zanadvorov] Poet Vladislav Zanadvorov. [Perm'] Permskoe knizhnoe izd-vo, 1963. 71 p. (Zamechatel'nye liudi Prikam'ia)

GOGOL', N. V. [Selected works] Izbrannye proizvedeniia. Moskva, Izd-vo detskoi lit-ry, 1963. 765 p. (Shkol'naia biblioteka)
(VtMIM)

GOLOSOVSKII, I. M. [Exile of Vasilii Ziuzin; a tale] Izgnanie Vasiliia Ziuzina; povest'. [Moskva] Molodaia gvardiia, 1963. 330 p.
(MH)

GORBUNOV, M. N. [By the flash of lightning; verse and poems] V otbleskakh molnii; stikhi i poemy. Moskva, Voenizdat, 1964. 95 p.

GRANTS, ARNOLDS. [Steel sparks; selected works] Terauddzirkstis; izlase. Riga, Latvijas Valsts izd-ba, 1963. 355 p. [In Latvian]

GREBENIUK, I. F. [On the distant frontier; tales] Na dalekikh rubezhakh; povesti. Moskva, Voenizdat, 1964. 495 p.

GRECHNEV, V. IA. [Genre of the literary portrait in M. Gorkii's works; his reminiscences of authors] Zhanr literaturnogo portreta v tvorchestve M. Gor'kogo; vospominaniia o pisateliakh. Moskva, Izd-vo "Nauka," 1964. 130 p.

GREKOV, ALEKSANDR. [A whistle at dawn; a tale] Gudok na rassvete; povest'. Astrakhan, Volga, 1963. 106 p.
(MH)

GRIGOR'IAN, K. N. [The work of Avetik Isaakian] Tvorcheskii put' Avetika Isaakiana. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 181 p.
(CtY)

GRISHAEV, V. N. [Our Sholokov; meditations and encounters] Nash Sholokhov; razdum'ia i vstrechi. Pod red. E. Osetrova. Moskva, Izd-vo "Znanie," 1964. 63 p. (Prochti tovarishch)

GRISHIN, N. N. [Most cherished] Samoe zavetnoe. [Ivanovo, Ivanovskoe knizhnoe izd-vo, 1963] 54 p.
(MH)

GRITS, T. S. Ermak. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 93 p.
(IU)

GRUZDEV, A. I. [Theme and character in the poem of N. A. Nekrasov "Princess Trubetskaia"; lecture from the special course "Poetry of N. A. Nekrasov"] Sluzhet i kharakter v poeme N. A. Nekrasova "Kniaginia Trubetskaia; lektsiia iz spetskursa "Poeziia N. A. Nekrasova." Leningrad, Leningr. gos. pedagog. in-t im. A. I. Gertsena, 1963. 34 p.
(MH)

GULIA, G. D. [Kind city] Dobryi gorod. [Moskva] Mosk. rabochii, 1963. 414 p.
(NIC)

GVAKHARIIA, V. A. [The vocabulary and sound system of the Urartic language] Slovar'-simfoniia urartskogo iazyka. Moskva, Izd-vo Vostochnoi lit-ry, 1963. 499 p.

GVOZDEV, A. N. [Modern Russian language; exercises] Sovremennyi russkii iazyk; sbornik uprazhnenii. Izd. 4., perer. i dop. Moskva, Izd-vo "Prosveshchenie," 1964. 324 p.

HAAVAOKS, PAUL. [The forests murmur] Metsad kohisevad. Tallinn, Eesti Riiklik Kirjastus, 1962. 99 p. [In Estonian]
(MH)

al-HAKIM, TAWFIQ. [Return of the spirit; a novel. Translated from the Arabic] Vozrashchenie dukha; roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 286 p.
(NNC)

[HARBINGER OF SPRING; works of young writers and poets] Bakhar bushlukchysy; IAsh iazyzhy-shakhyr-laryn eserleri. Ashgabat, Turkmenistan Neshiriaty, 1964. 251 p. [In Turkmen]

HODOVANETS', M. P. [Fables] Baiky. Kyiv, Derzhlitvydav, 1963. 289 p.
(MH)

IAZYKOV, N. M. [Complete collected verse] Polnoe sobranie stikhotvorenii. Vstupitel'naia stat'ia, podgotovka teksta i primechaniia K. K. Bukhmeier. Moskva, Sovetskii pisatel', 1964. 705 p. (Biblioteka poeta. Bol'shaia seriia. izd. 2)

IAMPOL'SKII, I. G. [Satirical journalism in the years around 1860; the revolutionary satirical journal "Iskra", 1859-1873] Satiricheskaia zhurnalistika 1860-kh godov; zhurnal revoliutsionnoi satiry "Iskra" (1859-1873). Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 621 p.

IBRAGIMBEKOV, M. M. [Catastrophe; stories] Katastrofa; rasskazy. Baku, Azerneshr, 1963. 70 p.

IKRAMI, DZALAL. [Cobweb; a tale] Horumchek toru; povest. Baky, Azerneshr, 1964. 89 p. [In Azerbaijani]

ILARION, Metropolitan of Winnipeg and All Canada. ["Crucified Mazepa"; a historical drama in five acts] 'Rozp'iatyi Mazepa"; istorychna drama na piat' dii. [Winnipeg] Nasha kul'tura," 1961. 88 p.
(InU)

ILLARIONOV, V. T. [The Russian sinologist, V. P. Vasil'ev, 1818-1900] Russkii sinolog V. P. Vasil'ev, 1818-1900 gg. Gor'kii, Izd. Gor'kovskogo gos. univ., 1959. 27 p.
[MICROFILM]

[IN THE NATIVE HOME; a collection of one act plays] V rodnom dome; sbornik odnoaktnykh p'es. Moskva, Sovetskaia Rossiia, 1964. 190 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 13)

INDZHIEV, LIDZHI. [Ol'da's daughter; a novel. Doch' Ol'dy; roman. Elista, Kalmytskoe gos. izd-vo] 1963. 278 p. [In Kalmyk]
(MH)

ISHCHENKO, M. H. [Hat's off to you, youth; stories] Cholom tobi, iunist'; opovidannia. Kyiv, Molod', 1963. 192 p.
(CaOTU)

IVANKIN, IU. O. [Commentary on Shevchenko's "Kobzar"; his poetry up to his exile] Komentar do "Kobzaria" Shevchenka; poezii' do zaslannia. Kyiv, Vyd-vo "Naukova dumka," 1964. 369 p.

IVANOV, B. V. [The porcelain stork; stories from a large notebook] Farforovyi aist; rasskazy iz bol'shogo bloknota. Moskva, Soveskaia Rossiia, 1963. 78 p. (Korotkie povesti i rasskazy)
(MH)

IVANOV, V. M. [Heavenly feather bed; satire and humor] Nebesnaia perina; satira i iumor. [Leningrad] Lenizdat, 1963. 98 p.
(MH)

KAFANOV, A. V. [A hundred of the best poems of poets of the peoples of the U. S. S. R. in Russian translations] Sto luchshikh stikhotvorenii poetov narodov SSSR v russkikh perevodakh. Moskva, Goslitizdat, 1963. 270 p.
(MH)

KALANDADZE, A. P. [Monograph on the newspaper "Sakartvelos moambe" ("Vestnik Gruzii") 1863-1963. Monografiia o zhurnale "Sakartvelos moambe" ("Vestnik Gruzii") 1863-1963. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo] 1963. 326 p. [In Georgian]

KALENT'EVA, A. G. [In love with literature; a sketch of the life and work of S. A. Vengerov, 1855-1920] Vliublennyi v literaturu; ocherk zhizni i deiatel'nosti S. A. Vengerova, 1855-1920. Moskva, Izd-vo "Kniga," 1964. 78 p. (Deiateli knigi)
(CSt-H)

KALESNIK, ULADZIMIR. [Time and songs; literary sketches and portraits] Chas i pesni; literaturnyia narysy i partrety. Minsk, Dziarzh. vyd-va BSSR, 1962. 236 p.
(MH)

KALNDRUVA, MARTINS. [In the field; short stories] Tiruma; stasti. Riga, Latvijas Valsts izd-ba, 1963. 269 p. [In Latvian]

KAMBULOV, N. I. [Your fortress] Tvoia krepost'. Moskva, Voenizdat, 1963. 95 p.
(MH)

KAMENKOVYCH, Z. B., and CH. T. KHACHATURIAN. [He was no longer awaited; a novel] Ego uzhe ne zhdali; roman. L'vov, Knizhno-zhurnal'noe izd-vo, 1963. 343 p.
(MH)

KANDYBA, OLEH. [Poetry] Poezii. New York, [R. Krupka i M. Pyrsky] 1956- 1 v.

KANTAMIR, K. E. [Selected stories] Sechilmish hekaieler. Baky, Azerbaichan dovlet neshriiiaty, 1964. 128 p. [In Azerbaijani]

KARDASHOVA, A. A. [Where are you from?] Otkuda ty? Moskva, Izd-vo "Detskaia literatura," 1964. 23 p.

KARMANOV, N. D. [The burnt corner] Gorelyi ugol. [IAroslavl', IAroslavskoe knizhnoe izd-vo, 1963] 63 p. (Bibliotechka IAroslavskii pisatel'. Novye rasskazy)
(MH)

KARPOV, E. V. [Blue winds; a tale] Sinie vetry; povest'. Moskva, Sovetskaia Rossiia, 1963. 215 p.
(MH)

KATKOV, N. I. [If you don't return; a tale] Esli ty ne vernesh'sia; povest'. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 210 p.
(MH)

KAVERIN, V. A. [Two captains] Dva kapitana. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 549 p.
(CaOHM)

KEKELIDZE, K. S. [Studies on the history of early Georgian literature] Etiudy po istorii drevnegruzinskoi literatury. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian]
Vol. 9. 1963. 275 p.

KERIMZADE, F. I. [The last exhibit; stories] Sonunchu eksponat; hekaieler. Baky, Azerneshr, 1963. 23 p. (In Azerbaijani)

KHARSEKIN, A. I. [Problems of interpreting Etruscan literary monuments] Voprosy interpretatsii pamiatnikov etrusskoi pis'mennosti. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1963. 91 p.
[MICROFILM]

KHAZRI, HABI. [Pages from Sumgait; poems] Sumgaiyt sehifeleri. Baky, Azerbaichan dovlet neshriiiaty, 1963. 106 p. [In Azerbaijani]

KHIREN, Z. A. [Monday-Tuesday; essays] Ponedel'nik - vtornik; ocherki. Moskva, Izd-vo "Pravda," 1964. 61 p. (Biblioteka "Ogonek," no. 12)

KHOLOPOV, G. K. [Fires in the bay. Grenada. War stories] Ogni v bukhte. Grenada. Rasskazy o voine. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 517 p.

KHOMCHENKO, V. F. [One day in May; stories] Adnoichy maiskim dniom; apaviadanni. Minsk, Dziarzh. vyd-va BSSR, 1962. 146 p.
(MH)

KHOMLELI. [Selected works. Izbrannye proizvedeniia. Pod red. D. M. Gamezardashvili. Tbilisi, Gos. izd-vo "TSodna,"] 1963. 527 p. [In Georgian]

KHONINOV, MIKHAIL, comp. [Sharp word; collection of verse of beginning authors. Ostroe slovo; sbornik stikhov nachinaiushchikh avtorov. Elista, Kalmizdat] 1963. 79 p. [In Kalmyk]
(MH)

KHORUNZHYI, ANATOLII. [City above us; a tale] Misto nad namy; povist'. Kyiv, Radians'kyi pys'mennyk, 1962. 222 p.
(NN)

[illegible], T. G., [illegible]. [A [illegible] of [illegible]] [illegible] red. T. S. [illegible]. Moskva, Vysshaia shkola, 1963. 81 p.

[illegible], A. I. [illegible] 1963. 234 p. [In [illegible]]

[illegible], S. D. [The life of David [illegible]] [illegible] Tbilisi, [illegible] 1962. 70 p. [In Georgian]

[illegible], V. P. [illegible] Moskva, [illegible] 1963. 57 p.

[illegible], [illegible]. [What [illegible] told; [illegible] feuilletons] [illegible] Moskva, [illegible] 1963. 158 p. (MIR)

[illegible], I. A. [illegible; a play in [illegible]] [illegible] 1962. 102 p. [illegible] (MIR)

[illegible] [illegible] 1963. [illegible] (MIR)

[illegible], M. E. [illegible] [In English]

[illegible], V. A. [illegible] 1963. [illegible] (MIR)

[illegible], V. V. [illegible] 1963. 222 p. (MIR)

[illegible], N. I. [illegible; a play] [illegible] 1963. 240 p. (MIR)

[illegible], A. M. [Stories for [illegible]; stories] [illegible] 1963. 112 p. (MIR)

[illegible], [illegible]. [The sailor's [illegible]; verse] [illegible] Moskva, [illegible] 1963. [illegible] (MIR)

[illegible], [illegible]. [Articles of literary criticism] [illegible] Erevan, [illegible] 1963. 304 p. [In Armenian]

[illegible], A. V. [The green [illegible]; stories] [illegible] Moskva, [illegible] 1963. 158 p. (MIR)

[illegible], [illegible]. [illegible; a tale] [illegible] Baku, Azernashr, 1963. [illegible] p. [In Azerbaijani]

[illegible], [illegible]. [Childhood reminiscences] [illegible] Baku, Azernashr, 1963. 88 p. [In Azerbaijani]

[illegible], G. L. [City on the Neva; verse] [illegible] [Perm'] Permskoe knizhnoe izd-vo, 1963. 88 p. (From [illegible]) (MIR)

[illegible], [illegible]. [Difficult love; a novel] [illegible] Moskva, Sovetskii pisatel', 1963. [illegible] p. (MIR)

KOMIS, D. K. [Frontiers, a tale] Rubezhi, povest'. [illegible] 1961. 224 p. (MIR)

KUDRIAVTSEV, P. P. [illegible] Moskva, [illegible] 1963. 191 p.

[illegible], DAVID. [illegible] Moskva, [illegible] 1963. 160 p. (MIR)

KULMANOV?, A. A. [illegible] Moskva, [illegible] 1963. [illegible] p. (MIR)

[illegible], I. M. [illegible] 1963. [illegible] p. [illegible]

[illegible], G. A. [illegible] 1963. 188 p. [In [illegible]]

[illegible], A. B. [illegible] 1963. 304 p.

[illegible], V. I. [illegible] 1963. 288 p.

[illegible], [illegible]. [illegible] 1963. 112 p. (MIR)

[illegible], [illegible]. [illegible] 1963. 112 p. [In [illegible]] (MIR)

[illegible], [illegible]. [illegible] 1963. 128 p. (MIR)

[illegible], [illegible]. [illegible] 1963. [illegible] p. (MIR)

LARIONOV, I. M. [Legends about Chud Lake, [illegible] Pskov] [illegible] 1963. 64 p.

LARIN, O. V. [Artistic method and style] [illegible] [Moskva] Izd-vo [illegible], 1964. 200 p.

[illegible], G. A., [illegible]. [illegible] [Kaliningrad] Knizhnoe izd-vo, 1963. 64 p. (MIR)

LAVRENEV, B. A. [Collected works] Sobranie sochinenii. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. (MIR)

[illegible], [illegible]. [illegible; poems] [illegible] [Leningrad] Izd-vo Leningr. univ., 1964. 20 p.

[illegible], [illegible] [illegible] [illegible] 1963. 103 p. [In [illegible]] (MIR)

LEVIDOV, M. IU. [Jonathan Swift's travels into some remote countries of thought and feeling, first as an explorer, and later on as a fighter in a number of encounters] Puteshestvie v nekotorye otdalennye strany mysli i chuvstva Dzhonatana Svifta, snachala issledovatelia, a potom voina v neskol'kikh srazheniiakh. Moskva, Sovetskii pisatel', 1964. 422 p.

[illegible], A. I. [The talisman; verse] Talisman, stikhi. [illegible] 1963. 72 p. (MIR)

LIKHACHEV, D. S. [Textology, [illegible]] Tekstologiia [illegible]. Moskva, Izd-vo Nauka, 1964. 102 p.

[illegible], L. I. [illegible] Moskva, [illegible] 1963. 160 p.

[illegible], I. A. [illegible] Moskva, [illegible] 1963. [illegible] p.

[LITERATURA, reader for grade [illegible] of the secondary [illegible]] [illegible] 1963. 184 p. [In [illegible]]

[LITERATURE AND LIFE [illegible]] [illegible] 1963. 200 p.

[illegible], N. P. [illegible; a tale] [illegible] Moskva, [illegible] 1963. 160 p. (MIR)

[illegible], V. A. [illegible] Moskva, [illegible] 1964. 127 p.

[illegible] [illegible] 1963. 112 p. (MIR)

[illegible] [illegible] 1963. [illegible] (MIR)

[illegible], [illegible]. [illegible; verse] [illegible] Moskva, Sovetskii pisatel', 1963. 120 p. (MIR)

[illegible], [illegible]. [illegible; poems] [illegible] 1963. 55 p. [In [illegible]]

[illegible], [illegible]. [illegible, a tale. Translated from the English] [illegible] Moskva, [illegible] 1963. 64 p. [illegible]

[illegible], M. M. [My people are good; [illegible]] [illegible] 1963. 96 p. (MIR)

[illegible], V. E. [Studying the works of Vazha Pshavela in the secondary school] [illegible] Vazha Pshavela v [illegible] shkole. Tbilisi, Gos. [illegible] "Tsodna", 1963. 207 p. [In Georgian]

MAMAKAEV, MAGOMET. [I will return; verse and poems] [illegible] Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1963. 91 p. [In Chechen] (MIR)

MARCHENKO, A. T. [Youth given off to [illegible]] [illegible] [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 149 p. (MIR)

MARKELOV?, [illegible]. [T. G. Shevchenko's works on history] [illegible] T. G. Shevchenko. [illegible] [Leningrad] Izd-vo Leningr. univ., 1964. 160 p.

[illegible], [illegible]. [The [illegible]] [illegible] [Moskva, [illegible], 1963] 160 p. (MIR)

MARKARIAN, AL. S., M. E. ASATRIAN, and D. K. DZHAGATSPANIAN. [Armenian language; textbook for the students of Russian language departments at institutions of higher learning] Armianskii iazyk; uchebnik dlia studentov russkikh otdelenii vuzov. Erevan, Armuchpedgiz, 1964. 378 p.

MARTYNOV, L. N. [Verse] Stikhi. Moskva, Izd-vo "Pravda," 1964. 30 p. (Biblioteka "Ogonek," no, 11)

MARTYNOV, V. V. [Linguistic methods for the basis of the hypothesis of the Vistula-Oder homeland of the Proto-Slavs] Lingvisticheskie metody obosnovaniia gipotezy o vislo-odrskoi prarodine slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 42 p. (V Mezhdunarodnyi s"ezd slavistov. Doklady)
(MH)

[MASTER GOLDSMITHS] Telli saz ustadlary. Baky, Azerneshr, 1964. 159 p. [In Azerbaijani]

MATVEEV, V. V. [I am going to a rendezvous; verse] IA idu na svidanie; stikhi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 109 p.
(NIC)

MELKUMIAN, R. L., and A. A. SEKOIAN. [Armenian-Russian school dictionary, about 10,000 words] Armiano-russkii shkol'nyi slovar' (okolo 10 000 slov). Erevan, Armuchpedgiz, 1963. 232 p.

MERZLIKIN, L. S. [The water lily; verse] Kupava; stikhi. [Moskva] Molodaia gvardiia, 1963. 93 p.
(MH)

MEZHRESPUBLIKANSKAIA NAUCHNAIA KONFERENTSIIA PO VOPROSAM ULUCHSHENIIA PREPODAVANIIA RUSSKOGO IAZUKA V NATSIONAL'NYKH SHKOLAKH RESPUBLIK SREDNEI AZII, AZERBAIDZHANA I KAZAKHSTANA, Tashkent, 1956. [The Russian language in national schools; materials of a conference] Russkii iazyk v natsional'noi shkole; materialy konferentsii. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1958. 337 p.
(InU)

MICKIEWICZ, ADAM. [Lyrical poetry. Translated from the Polish] Lirika. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 197 p. illus. (Sokrovishcha liricheskoi poezii)
(CtY)

MIEZELAITIS, E. [A human being; verse. Translated from the Lithuanian] Liudyna; virshi. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 94 p.
(NN)

MIKHALKOV, S. V. [More fables] Opiat' basni [Moskva] Molodaia gvardiia, 1963. 77 p.
(MH)

MIL'CHAKOV, A. A. [A city in profile; a tale] Gorod v profil'; povesti. [Moskva] Moskovskii rabochii, 1963. 92 p.
(NIC)

MIL'KINA, R. B. [Bibliography of Russian translations of Armenian literature] Bibliografiia armianskoi literatury v perevodakh na russkii iazyk. Moskva, Mosk. gos. bibliotechnyi in-t, 1963. 29 p.
[MICROFILM]

MILONOV, N. A. [Writers of Tula region; sketches on its literary history] Pisateli Tul'skogo kraia; ocherki po literaturnomu kraevedeniiu. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 309 p.

MINCS, OSKARS. [Love; prose] Milestiba; proza. Riga, Latvijas Valsts izd-ba, 1963. 104 p. [In Latvian]

MISHCHENKO, DMYTRO. [Why the roads do not cross; a novel] Chomu ne skhodiat'sia dorohy; roman. Kyiv, Radians'kyi pys'mennyk, 1963. 311 p.
(NN)

MISIUREV, A. A. [Trace of the fugitive Soroka; stories of the past] Sled begletsa Soroki; rasskazy o bylom. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 150 p.
(MH)

MISKE, ELZA. ["Skatuve" Latvian State Theater in Moscow, 1919-1938; recollections] Valsts Latviesu teatris "Skatuve" 1919-1938 gada Maskava; atminas. Riga, Latvijas Valsts izd-ba, 1963. 313 p. [In Latvian]

MOLCHANOV, I. N. [Verse of various years] Stikhi raznykh let. [Moskva] Mosk. rabochii, 1963. 111 p.
(MH)

MONASTYRSKII, A. R. [Poet of the revolution; revolutionary pathos and meaning of the poetry of Dem'ian Bednyi] Poet revoliutsii; o revoliutsionnom pafose i znachenii poezii Dem'iana Bednogo. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 124 p.
(MH)

MOREV, L. N. [Fundamentals of the syntax of the Tai language] Osnovy sintaksisa taiskogo iazyka. Moskva, Izd-vo "Nauka," 1964. 120 p.

MORGUN, F. A. [Cherry in the forest; verse] Vishnia v lesu; stikhi. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1963. 98 p.
(NIC)

MORIN, G. I. [Dahlias] Georginy. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1963. 51 p.
(MH)

MOROZ, ANATOLII. [Three and one; a tale] Troie i odna; povist'. Kyiv, Radians'kyi pys'mennyk, 1963. 339 p.
(NN)

MOSCOW. TSENTRAL'NYI DOM NARODNOGO TVORCHESTVA IMENI N. K. KRUPSKOI. [Contemporary folklore, its collection and study; an aid for leaders of the collectives of amateur art activities, literary groups and amateur folklore collectors] Sovremennoe narodnoe tvorchestvo, ego sobiranie i izuchenie; v pomoshch' rukovoditeliiam kollektivov khudozhestvennoi samodeiatel'nosti, literaturnykh kruzhkov i liubiteliam sobiraniia fol'klora. Moskva, 1963. 25 p.
[MICROFILM]

MUKHIN, A. M. [Functional analysis of syntax elements; based on Old English materials] Funktsional'nyi analiz sintaksicheskikh elementov; na materiale drevneangliiskogo iazyka. Moskva, Izd-vo "Nauka," 1964. 291.

MUSAEV, GYLMAN. [Rebellion in the fortress; a novel. Authorized translation from the Azerbaijani] Vosstanie v kreposti; roman. Baku, Azerneshr. Book 2, 1964. 228 p.

MYSYK, VASYL'. [The treetop; poetry] Verkhovittia; poesii. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 158 p.
(CaOTU)

NADIROV, I. N. [The people and song; Tatar folk poetry of the period of the Great Patriotic War] Narod i pesnia; tatarskoe narodno-poeticheskoe tvorchestvo perioda Velikoi Otechestvennoi voiny. Kazan', Tatarskoe knizhnoe izd-vo, 1961. 191 p.
(MH)

NAGIBIN, IU. M. [Echo; stories] Ekho; rasskazy. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no, 14)

NAIDAKOV, V. TS. [Buryat dramatic art; history of its formation] Buriatskoe dramaticheskoe iskusstvo; k istorii stanovleniia. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 152 p.

NAUCHNAIA KONFERENTSIIA PO IRANSKOI FILOLOGII, 1962. [Iranian philology; transactions] Iranskaia filologiia; trudy. [Leningrad] Izd-vo Leningr. univ., 1964. 174 p.

NAUCHNO-METODICHESKAIA KONFERENTSIIA KAFEDR RUSSKOGO IAZYKA I IAZYKOZNANIIA PEDVUZOV URAL'SKOI ZONY. 1st, Sverdlovsk, 1959. [Problems of the contemporary Russian literary language, dialectology and methodology; materials] Voprosy sovremennogo russkogo literaturnogo iazyka, dialektologii i metodiki; materialy. Sverdlovsk, Sverdlovskii gos. pedagog. in-t, 1960. 281 p.
[MICROFILM]

NAUKOVA SHEVCHENKIVSKA KONFERENTSIIA, 11th, Lvov, 1962. [Papers of the 11th Shevchenko Conference] Zbirnyk prats'. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 310 p.

NAZARLY, G. B. [Selected works] Sechilmish eserleri. Baky, Azerbaichan dovlet neshriiiaty, 1963. 280 p. [In Azerbaijani]

NEDOLIN, I. P. [Bliukher's raid; sketches and stories] Reid Bliukhera; [ocherki i rasskazy]. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 192 p.
(MH)

NEKHODA, I. I. [About myself and our times] O vremeni i o sebe. [Moskva] Molodaia gvardiia, 1963. 428 p.
(MH)

NESTAIKO, VSEVOLOD. [Cosmo-Natka; stories] Kosmo-Natka; opovidannia. Kyiv, Derzh. vyd-vo dytiachoi lit-ry URSR, 1963. 132 p.
(NN)

NIKOLAEV, V. N. [Whistling wind; tales] Svistiashchii veter; povesti. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 168 p.
(MH)

NIKONOV, V. G. [Love remains with us; a novel] Liubov' ostaetsia s nami; roman. [Chita] Chitinskoe knizhnoe izd-vo, 1963. 279 p.
(MH)

NIZAMI, GANJAWI, 1141?-1203? Iskandar-Name (Sharafname). Baky, Azerbaichan SSR elmler Akad. neshriiiaty, 1964. 426 p. [In Azerbaijani]

NOLLE, I. A. [Following the blue bird; a novel] Za sinei ptitsei; roman. Moskva, Sovetskii pisatel', 1964. 449 p.

OLIINYK, M. IA. [Possessed woman; a tale] Oderzhyma; povist'. Kyiv, "Molod'," 1963. 164 p.
(NN)

[ON SATURDAY TOWARDS EVENING; stories by African writers. Translated from the English] V subbotu k vecheru; rasskazy afrikanskikh pisatelei. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no, 10)

ORLOV, S. S. [Wheel; verse] Koleso; stikhi. Moskva, Sovetskaia Rossiia, 1964. 124 p.

OSIN, A. V. [Birthday] Den' rozhdeniia. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 31 p. (Biblioteka korotkogo rasskaza)
(MH)

[OUR SAKHALIN; a literary collection] Nash Sakhalin; literaturno-khudozhestvennyi sbornik. [IUzhno-Sakhalinsk] Sakhalinskoe knizhnoe izd-vo, 1963. 159 p.
(MH)

[OVER THE CRADLE; Ukrainian lullabies and verse] Nad kolyskoiu; ukrainski kolyskovi pisni ta virshi. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 278 p.
(CaOTU)

OZEROV, L. A. [Work of the poet; a book of articles] Rabota poeta; kniga statei. [Moskva, Sovetskii pisatel', 1963] 334 p.
(MH)

OZEROV, V. M. [Alexander Fadeev the path of his creative work] Aleksandr Fadeev; tvorcheskii put'. Moskva, Sovetskii pisatel', 1964. 527 p.

PANCHENKO, N. V. [Obelisks in the forest; verse] Obeliski v lesu; stikhi. Moskva, Sovetskii pisatel', 1963. 73 p.
(MH)

PANKRATOV, IU. I. [Selected lyric poetry. Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 31 p. (Bibliotechka izbrannoi liriki)

PARAKHINA, M. F., and others. [Russian for foreign students; elementary course] Russkii iazyk dlia studentov-inostrantsev; elementarnyi kurs. Kiev, Izd-vo Kievskogo univ., 1963. 350 p.
(CStmoR)

PARKHOMOVSKII, P. G. [Response] Otklik. Kishinev, Kartia moldoveniaske, 1963. 72 p.
(MH)

PARMUZIN, B. S., comp. [At the round table; verse, translations on Soviet Uzbekistan] Za kruglym stolom; stikhi, perevody o sovetskom Uzbekistane. Tashkent, Goslitizdat UzSSR, 1963. 340 p.
(MH)

PAUKSTELIS, JUOZAS. [Don't set, little sun; a novel] Netekek saulele; romanas. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 462 p. (His: Jaunyste, no, 2) [In Lithuanian]
(MH)

PETKEVICIUS, VYT. [Why the cranes shriek; a story] Ko klykia gerves; apysaka. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 302 p. [In Lithuanian]

PETHAEVA, E. I. [The works of Arkadii Gaidar; a textbook for correspondence students] Tvorchestvo Arkadiia Gaidara; uchebnoe posobie dlia studentov-zaochnikov. Odessa, Odesskii gos. univ. im. I. I. Mechnikova, 1961. 63 p.
(MH)

PETROV, IU. G. [A difficult profession, verse] Trudnaia professiia, stikhi. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 41 p.
(MH)

[illegible], A. G. [Two thousand meters above sea level. Edge of the earth] Dve tysiachi metrov nad urovnem moria. Krai zemli. Moskva, Sovetskii pisatel', 1963. 341 p.
([illegible])

[POETRY DAY] Den' poezii. Kyiv, Radians'kyi pys'mennyk, 1962. 300 p.

[POETS OF THE RENAISSANCE, in translation by IU. Verkhovskii] Poety vozrozhdeniia, v perevode IU. Verkhovskogo. [Moskva] Gos. izd-vo khudozh. lit-ry, 1957. 260 p.
(CtY)

[illegible], S. E. [Sketches of various years] Ocherki raznykh let. Moskva, Izd-vo "Pravda," 1963. 40 p. (Biblioteka "Ogonek," no. 13)

[POLISH POETRY] Pol'skaia poeziia. [Moskva, Gos. izd-vo khudozh. lit-ry, 1963] 2 v.
(CtY)

[illegible], M. L. [Eighth morning, [illegible]] [illegible]. Kyiv, Molod', 1962. 237 p.
([illegible])

[illegible], O. A. [Dewdrop, verse] Rosinka, stikhi. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1963. 87 p.
(MH)

[illegible], MARAH. [illegible]
([illegible])

[illegible], M. M. [illegible]
([illegible])

[illegible], V. S., and N. V. [illegible] [illegible]
(MH)

[illegible], V. E. [M. Gor'kii: how he wrote, what he thought, and what he said about [illegible]] M. Gor'kii - kak on pisal, chto dumal i govoril o publitsistike. Moskva, Politizdat, 1964. 191 p. (Biblioteka zhurnalista)

[illegible], M. [illegible] Tashkent, [illegible] 1961. 207 p. [In Uzbek]
(MH)

RATIANI, SH. K. [Akakii Tsereteli and the problems of realism. Akakii Tsereteli i voprosy realizma. Tbilisi] 1963. 127 p. [In Georgian]

RASUMNYI, V. A. [Problems of socialist realism; about artistic truth and the social function of the art] Problemy sotsialisticheskogo realizma; o khudozhestvennoi pravde i obshchestvennoi funktsii iskusstva. Obshchaia red. [illegible]. Moskva, Sovetskii khudozhnik, 1964. 343 p.

REKEMCHUK, A. E. [Everything in the future. Time of summer vacations. Young and green, tales] Vse vperedi, Vremia letnikh otpuskov, Molodo-zeleno; povesti. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 352 p.
([illegible])

RESPUBLIKANS'KA SLAVISTYCHNA KONFERENTSIIA. 3d, Kharkov, 1960. [A. A. Potebnia and some problems of modern Slavic studies; materials of the 3rd Ukrainian Slavic Conference Dedicated to the 125th Anniversary of the Birth of A. A. Potebnia (December 21-24, 1960)] O. O. Potebnia i deiaki pytannia suchasnoi slavistyky, materialy III Respublikans'koi slavistychnoi konferentsii, prysviachenoi 125-richchiu z dnia narodzhennia O. O. Potebni (21-24 hrudnia 1960 r.) Kharkiv, Vyd-vo Kharkivs'koho derzh. univ., 1962. 162 p.
([illegible])

[illegible] [You were walking away from the sun, verse] [illegible]. Ashkhabad, [illegible] 1961. 71 p.
(MH)

[illegible], DMITRII. [illegible] 1963. [illegible]
([illegible])

[illegible] [illegible] 1961. 231 p.

[illegible] [illegible] 1963. 160 p.
(MH)

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]
(MH)

[illegible] [illegible] 1962. 255 p.
(MH)

[illegible] [illegible]
(MH)

[illegible] [Sky and earth, a novel] Nebo i zemlia, roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 3 v.
(MH)

[illegible], A. IA. [illegible] Moskva, "Sovetskaia Rossiia," 1964. 270 p.

[illegible], M. IA. [Types of verbal word combinations in the modern Kabardino-Cherkess language] Tipy glagol'nykh slovosochetanii v sovremennom kabardino-cherkesskom iazyke. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1963. 97 p.
(MH)

[illegible], VIKTOR, comp. [Mountain stream, works by writers of Karachay-Cherkessia] Gornyi potok; sbornik proizvedenii pisatelei Karachaevo-Cherkesii. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1963. 224 p.
(MH)

[illegible], M. IA. [illegible] Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1963. 80 p.
(MH)

[illegible], V. E. [Captain [illegible]] Kapitan [illegible]. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 70 p. ([illegible])
(MH)

[illegible], S. V. [illegible] Moskva, Sovetskaia Rossiia, 1963. 180 p.
(MH)

[illegible], A. G. [After the flood, a tale] [illegible]. Minsk, [illegible], 1962. 140 p.
(MH)

[illegible] [illegible] Arkhangel'sk, [illegible] 1963. 125 p.
(MH)

[illegible], IU. V. [illegible] Astrakhan', Volga, 1961. 72 p.
(MH)

[illegible], V. E. [illegible] Moskva, Sovetskii pisatel', 1963. 121 p.
([illegible])

[SERBIAN FOLK POETRY] Serbs'ka narodna poeziia. [illegible] Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1957. 330 p.
(MH)

[illegible], PAVEL. [illegible] 1963. 101 p.
([illegible])

[illegible] [illegible] Moskva, [illegible], 1963. 111 p.

[illegible] [illegible] Moskva, [illegible] 1964. 70 p.

[illegible] [illegible] 1963. 132 p.
(MH)

[SHAKESPEARE AND THE LATVIAN THEATER] Shekspirs un Latvijas teātris [by] M. Vilums [illegible]. Rīga, Latvijas Valsts izd., 1964. 163 p. [In Latvian]

[illegible] [illegible] 1961. 47 p. [In Azerbaijani]

[illegible], A. A. [illegible] Moskva, [illegible] 1963. 400 p. [illegible]
([illegible])

SHEVCHENKO, TARAS. [Self-portraits] Avtoportrety. Kyiv, 1963. 8 p. 16 plates.
(MH)

[illegible], N. N. [illegible] Moskva, Izd-vo APN RSFSR, 1961. 100 p. (Pedagogicheskaia biblioteka uchitelia)

[illegible], I. M. [illegible] Sergeev-Tsenskii] [illegible] Sergeeve-Tsenskom. [Moskva] Molodaia gvardiia, 1963. 160 p.

[illegible], G. V. [illegible; a tale and stories] [illegible]. [Moskva] Molodaia gvardiia, 1964. 171 p.

SHMELEV, I. S. [The foreigner, a novel] Inostranets; roman. Paris, [illegible] 1938. 97 p.
(MH)

[illegible], I. I. [On the track] Po sledu. Kishinev, Kartia moldoveniaske, 1963. 113 p.
(MH)

[illegible], IU. F. [Shakespeare's historical chronicles] Istoricheskie khroniki Shekspira. [Moskva] Izd-vo Mosk. univ., 1964. 251 p.

SIMONOV, K. M. [Inozemtsev and Ryndin; a story based on Lopatin's papers] Inozemtsev i Ryndin; rasskaz (iz bumag Lopatina). Moskva, Sovetskaia Rossiia, 1964. 23 p. (Korotkie povesti i rasskazy)

SINATS, LEONS. [The river overflows; poems] Upe palo; dzeja. Riga, Latvijas Valsts izd-ba, 1963. 69 p. [In Latvian]

SKUJA, HARIJS. [Spring road; poems] Pavasara ceļš; dzeja. Riga, Latvijas Valsts izd-ba, 1963. 53 p. [In Latvian]

SKURATOV, M. M. [At the frontier of the times; verse and poems] Na rubezhe vremen; stikhotvoreniia i poemy. Moskva, Sovetskii pisatel', 1963. 177 p.
(MH)

SKVORTSOV, I. I. [The robin] Ptichka-zarianka. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 38 p. (Biblioteka korotkogo rasskaza)
(MH)

SMIRNOV, R. I. [Youth of the heart; verse and translations] IUnost' serdtsa; stikhi i perevody. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 69 p.
(MH)

SOIUZ SOVETSKIKH PISATELEI RSFSR. Vologodskoe otdelenie. [The North; a literary collection] Sever; literaturno-khudozhestvennyi sbornik. [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 159 p.
(MH)

SOKOLOV, B. N. [We shall meet again, Colonel Krebs; an Abkhazian tale] My eshche vstretimsia, polkovnik Krebs'; abkhazskaia povest'. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1963. 266 p.
(MH)

SOKOLOVSKII, A. P. [Hurry to meet the sun] Speshi vstrechat' solntse. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 108 p.
(MH)

SOLOUKHIN, V. A. [Meeting in Viazniki] Svidanie v Viaznikakh. [Moskva] Molodaia gvardiia, 1964. 252 p.

[STORIES OF ATHLETES] Rasskazy sportsmenov. Moskva, Fizkul'tura i sport, 1964. 205 p.

[STRONG, BRAVE, DEFT; sketches] Sil'nye, smelye, lovkie; sbornik ocherkov. [Moskva] Molodaia gvardiia, 1964. 67 p.

SULAKAURI, ARCHIL. [The flood; stories. Polovod'e; rasskazy. Tbilisi, Sabchota Sakartvelo] 1963. 305 p. [In Georgian]
(MH)

SULEIMENOV, OLZHAS. [Night, Parisian girl; verse, poems] Noch', parizhanka; stikhi, poemy. Alma-Ata, Kazgoslitizdat, 1963. 103 p.
(MH)

SULTANLY, ALI. [From the history of the development of Azerbaijan dramaturgy] Azerbaichan dramaturkiiasynyn inkishafy tarikhinden. Baky, Azerbaichan Dovlet neshriiiaty, 1964. 300 p. [In Azerbaijani]

SVERDLIN, S. V. [Both a smile and a calamity; feuilletons, humoresques, jokes] I smekh i grekh; fel'etony, iumoreski, shutki. Tbilisi, Izd-vo "Literatura i iskusstvo," 1963. 180 p.

SYRKIN, A. IA. [Poem on Digenes Acritas] Poema o Digenise Akrite. Moskva, Izd-vo "Nauka," 1964. 236 p.

TALYBZADE, K. A. Abbas Sikhkhat. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 134 p.

TAMMAN, S. I. [Root of life; from stories of a hunter] Koren' zhizni; iz rasskazov okhotnika. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 93 p.
(MH)

TARAS, V. E. [Troubled earth; lyric poetry] Trevozhnaia zemlia; lirika. [Minsk, Gosizdat BSSR, 1963. 115 p.
(MH)

TARATUTA, E. A. [Ethel Lilian Voynich; the fate of a writer and the fate of a book] Etel' Lilian Voinich; sud'ba pisatelia i sud'ba knigi. [Izd. 2., dop.] Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 317 p.

TAT'IANICHEVA, L. K. [The world of the human soul] Svet chelovecheskoi dushi. Moskva, Politizdat, 1964. 47 p. (Vremia i liudi)

TERTS, ABRAM, pseud. [Liubimov; a tale] Liubimov; povest'. Washington, [B. Filippoff] 1964. 166 p.
(NN)

TESLENKO, A. IU. [Works] Tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 365 p.
(InU)

TESS, T. N. [A man inquired at the editorial office...] V redaktsiiu obratilsia chelovek.... Moskva, Sovetskaia Rossiia, 1964. 372 p.

TEUCHEZH, TSUG. [Selected works. Translated from the Adyge] Izbrannye proizvedeniia. Moskva, Sovetskii pisatel', 1956. 104 p.
(IEN)

TIFLIS. GOSUDARSTVENNAIA RESPUBLIKANSKAIA BIBLIOTEKA. [Analytic bibliography of Georgian newspapers] Analiticheskaia bibliografiia gruzinskikh gazet. Tbilisi, TSodna.
Vol. 3, Pt. 1. 1963. [In Georgian]
(MH)

TKACH, DMYTRO. [Selected works] Vybrani tvory. [Kyiv, Molod', 1962] 352 p.
(CaOTU)

TKACHENKO, A. S. [The seasonal woman worker; stories] Sezonnitsa; rasskazy. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no. 18)

TROSTIANETS'KYI, A. A. [Wings of romance; life and work of IUrii IAnovs'kyi] Kryla romantyky; zhyttiia i tvorchist' IUriia IAnovs'kogo. Kyiv, Radians'kyi pys'mennyk, 1962. 173 p.
(CaOTU)

TRUBETSKOI, B. A. [Pushkin in Moldavia] Pushkin v Moldavii. Izd. 3., ispr. i dop. Kishinev "Kartia Moldoveniaske," 1963. 383 p.

TSANAVA, A. V. [Georgian folk poetry contest: Galeksoba, Gashaireba, Pshavsaya Kafiya. Gruzinskoe narodno-poeticheskoe sostiazanie: Galeksoba, Gashaireba, Pshavskaia Kafiia. Tbilisi] 1964. 93 p. [In Georgian]

TSATURIAN, ALEKSANDR. [Verse. Translated from the Armenian] Stikhotvoreniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1958. 151 p.
(IEN)

TSIVCHINSKAIA, ALLA. [Unforgettable, unfading...; a tale and reminiscences of Nikolai Zerov] Nezabvennoe, nemerknushchee...; povest'-vospominaniia o Nikolae Zerove. New York, ["Don"] 1963. 79 p.
(RPB)

TSYBIN, V. D. [Sleeplessness of the century; new verse] Bessonnitsa veka; novye stikhi. [Moskva] Molodaia gvardiia, 1963. 167 p.
(MH)

TUMAS, JUOZAS. [Uncles and aunts] Dedes ir dedienes. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 97 p. [Published under his pseud. J. Vaizgantas. In Lithuanian]
(MH)

TYUMEN'. PEDAGOGICHESKII INSTITUT. Kafedra literatury. [Literary Tyumen'; an aid to literature teachers] Tiumen' literaturnaia; v pomoshch' uchiteliu-slovesniku. Tiumen', 1963. 71 p.
[MICROFILM]

UDONOVA, Z. [Basic stages in the development of the Soviet historical novel; material for a lecture in a course on Russian Soviet literature] Osnovnye etapy razvitiia sovetskogo istoricheskogo romana; material k lektsii po kursu Russkaia sovetskaia literatura. Moskva, Mosk. gos. bibliotechnyi in-t, 1961. 48 p.
(MH)

UIGUN, pseud. [Freedom; plays. Khurriiat; p'esy. Tashkent, Goslitizdat UzSSR] 1962. 274 p. [In Uzbek]
(MH)

ULUG-ZADE, SATYM. [The iridescent pearl; a comedy] Mirvari; 3 perdeli, 5 shekilli komediia. Baky, Azerneshr, 1964. 62 p. [In Azerbaijani]

[UNDER THE ROOT; a collection of satire and humor] Pad koran'; zbornik satyry i humaru. Minsk, Dziarzhaunae vyd-va BSSR, 1963. 244 p.
(MH)

URNOV, M. V., and D. M. URNOV. [Shakespeare; his heroes and his time] Shekspir; ego geroi i ego vremia. Moskva, Izd-vo "Nauka," 1964. 204 p. (Nauchno-populiarnaia seriia)

USENKO, P. M. [Selected works] Vybrani tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 2 v.
(CaOTU)

USHAKOV, M. T. [Your traits; a book of lyric poetry] Tvoi cherty; kniga liriki. Tashkent, Goslitizdat, UzSSR, 1963. 87 p.
(MH)

VASIL'EV, A. V. [Notes on the post-October work of A. M. Gor'kii] Zametki o posleoktiabr'skom tvorchestve A. M. Gor'kogo. Piatigorsk, Piatigorskii gos. pedagog. in-t, 1957. 256 p.
(MH)

VASIN, K. K. [Clusters of words; selected prose. Grozd'ia slov; izbrannaia proza. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo] 1963. 166 p. [In Mari]
(MH)

VAZEKH, M. SH. [Mirza Shafi Vazekh. Translated from the Azerbaijani] Mirza Shafi Vazekh. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 198 p.

VELIEV, A. G. [Recollections of a "budag"] Budagyn khatireleri. Baku, Azerneshr.
Book 2. 1964. 500 p. [In Azerbaijani]

VELIEV, SULEIMAN. [Shower of pearls; tales and stories] Zhemchuzhnyi dozhd'; povesti i rasskazy. Moskva, Sovetskii pisatel', 1963. 309 p.

VERTSMAN, I. E. [Shakespeare's "Hamlet"] "Gamlet" Shekspira. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 141 p.

VETROV, DAVID. [Literary portraits] Literaturnye portrety. Kishinev, Kartia moldoveniaske, 1962. 133 p. [In Moldavian]
(MH)

VIL'NYI, V. M. [You are alone in the world; a novel] Ty na sviti odna; roman. Kyiv, Radians'kyi pys'mennyk, 1963. 343 p.
(NN)

VOEVODIN, V. P. [There is no rest] Pokoia net. Moskva, Sovetskii pisatel', 1963. 454 p.
(MIU)

VOLKOV, N. K. [Captives of the mountains; a documentary tale] Plenniki gor; dokumental'naia povest'. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 125 p.

VOL'NYI, F. H. [Third eastern; a novel] Tretii vostochnyi; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 565 p.
(NIC)

VOLOSHYN, I. I. [Artists; a novel] Khudozhnyky; roman. Kyiv, Molod', 1963. 400 p.
(MH)

VOLOSHYN, I. I. [Crystal lights; a tale, sketches and stories] Khrustal'nye ogni; povest', ocherki i rasskazy. Moskva, Sovetskii pisatel', 1963. 262 p.
(MH)

VOROB'EV, N. IA. [Lone search. Two long days; tales] Odinokii poisk. Dva dolgikh dnia; povesti. Moskva, Sovetskaia Rossiia, 1963. 158 p. [Publ. under his pseud. Nikolai Moskvin]
(MH)

VOVCHOK, MARKO, pseud. [Stories and fairy tales] Opovidannia ta kazky. Kyiv, Dytvydav, 1958. 130 p.
(CLU)

VYKHUKHOLEV, V. V. [The Sinhalese language] Singal'skii iazyk. Moskva, Izd-vo "Nauka," 1964. 74 p. (IAzyki narodov Azii i Afriki)

VYRYPAEV, P. A. [All around are familiar places] Krugom rodnye vse mesta. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 100 p.
(MH)

[WRITERS OF UDMURTIA; a biobibliographical manual] Pisateli Udmurtii; biobibliograficheskii spravochnik. [Izhevsk] Udmurtskoe knizhnoe izd-vo, 1963. 154 p.
(NjP)

WYSPIANSKI, STANISLAW. [Dramas. Translated from the Polish] Dramy. [Moskva] Iskusstvo [1963] 711 p. (Biblioteka dramaturga)
(RPB)

[YOUNG MAN; a collection of literary works] Molodoi chelovek; literaturno-khudozhestvennyi sbornik. [Perm'] Permskoe knizhnoe izd-vo, 1962. 177 p.

[YOUTH; verse of young writers] Molodost'; stikhi molodykh. Kirov, 1963. 63 p.
(NIC)

ZABASHTA, L. V. [Dramatic works] Dramatychni tvory. Kyiv, Radians'kyi pys'mennyk, 1963. 315 p.
[illegible]

ZADNIPRU, PETRU. [Verse. Translated from the Moldavian] Stikhotvoreniia. Kishinev, Kartia moldoveniaske, 1963. 161 p.
(MH)

ZALESSKII, N., and P. SUKHORUKOV. [Desolated feather grass; a documentary tale] Obagrennyi kovyl'; dokumental'naia povest'. Elista, Kalmytskoe knizhnoe izd-vo, 1960. 110 p.
[MICROFILM]

ZAPOLSKA, GABRIELA. [Plays. Translated from the Polish] P'esy. Moskva, Iskusstvo, 1958. 502 p. (Biblioteka dramaturga)
(PPiU)

ZHAROKOV, TAIR. [Temirtau tunes. Temirtaushkie napevy. Alma Ata, Kazgoslitizdat] 1962. 106 p. [In Kazakh]
(MH)

ZHUKOV, B. L., and A. L. MISHUNIN, comps. [Party and Soviet press in the years of the Great Patriotic War; articles] Partiinaia i sovetskaia pechat' v gody Velikoi Otechestvennoi voiny; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1964. 112 p.

ZIEDINS, ALFREDS. [Battalion commander Kravja; selected short stories] Bataljona komandieris Kravja; stasti izlase. Riga, Latvijas Valsts izd-ba, 1964. 197 p. [In Latvian]

ZOMLETELI, SOS. [Verse. Translated from the Georgian] Stikhotvoreniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1960. 109 p.
(IEN)

ZONAL'NAIA KONFERENTSIIA LITERATUROVEDOV SIBIRI I DAL'NEGO VOSTOKA. 3d, Krasnoyarsk, 1961. [Transactions of the Third Zonal Conference of Literary Scholars of Siberia and the Far East, Section of Foreign Literature, October 24-30, 1961, Krasnoyarsk] Sbornik trudov III Zonal'noi konferentsii literaturovedov Sibiri i Dal'nego Vostoka, Sektsiia zarubezhnoi literatury, 24-30 oktiabria 1961 goda, Krasnoiarsk. Omsk, Omskii gos. pedagog. in-t im. A.M. Gor'kogo, 1963. 120 p.
(MH)

ZUEV-ORDYNETS, M. E. [Island of the Sunken Ships] Ostrov Pogibshikh Korablei. Alma-Ata, Kazgoslitizdat, 1963. 166 p.
(MH)

ZVIAGINTSEVA, V. K. [Evening day; verse] Vechernii den'; stikhi. [Moskva] Sovetskii pisatel', 1963. 117 p.
(NIC)

ZVIRYK, ANATOLII. [The fern's flower; a tale] Kvit paporoti; povist'. Kyiv, Radians'kyi pys'mennyk, 1963. 345 p.
(MH)

12. GEOGRAPHY & GEOLOGY

AKADEMIIA NAUK SSSR. Institut etnografii. [Ethnic processes and composition of the population in the countries of southwestern Asia] Etnicheskie protsessy i sostav naseleniia v stranakh Perednei Azii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 171 p.
(DLC)

AKADEMIIA NAUK SSSR. Kol'skii filial, Kirovsk. [Quaternary sediments and ground waters of the Kola Peninsula] Chetvertichnye otlozheniia i gruntovye vody Kol'skogo poluostrova. Moskva, Izd-vo "Nauka," 1964. 145 p.

AKADEMIIA NAUK SSSR. Okeanograficheskaia komissiia. [Radioactive contamination of seas and oceans] Radioaktivnaia zagriaznennost' morei i okeanov. Moskva, Izd-vo "Nauka," 1964. 231 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut geologii i geofiziki. [Geology and minerals of Uzbekistan] Geologiia i poleznye iskopaemye Uzbekistana. Tashkent, Nauka, 1964. 169 p.

BAIBULATOV, F. D. [Achik-Tash iron-pyrite deposit and its genesis] Achik-Tashskoe sernokolchedannoe mestorozhdenie i ego genezis. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 100 p.

BEGENDZHEV, B. M. [Dynamics and morphology of the coasts of the Cheleken Peninsula] Dinamika i morfologiia beregov poluostrova Cheleken. Pod red. D. M. [illegible]. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1960. 157 p.
[MICROFILM]

BELOUSOV, V. V. [Present-day problems of geotectonics] Sovremennye problemy geotektoniki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 22 p. (Chteniia im. V.I. Vernadskogo, no. 5)

BLUDOROV, A. P. [History of the Paleozoic coal accumulation in the southeastern part of the Russian Platform] Istoriia paleozoiskogo uglenakopleniia na Iugo-Vostoke Russkoi platformy. Moskva, Izd-vo "Nauka," 1964. 274 p. diagrs. (insert)

[BURYAT A.S.S.R.] Buriatskaia ASSR. Plan-skhema. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 1 v. (chiefly illus.) [In Russian and Buryat]
(MH)

CHERNOV, V. I., and S. O. LIS. [Practical handbook on the petrographic study of igneous rocks with a microscope] Prakticheskoe rukovodstvo po petrograficheskomu izucheniiu magmaticheskikh porod pod mikroskopom. [Petropavlovsk] Rosvuzizdat, 1963. 78 p.

CHUPAKHIN, V. M. [Physical geography of the Tien Shan, natural and geographic characteristics, main problems of landscape mapping, and comprehensive physicogeographic regionalization] Fizicheskaia geografiia Tian'-Shania; prirodno-geograficheskaia kharakteristika, osnovnye voprosy landshaftnogo kartirovaniia i kompleksnogo fiziko-geograficheskogo raionirovaniia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 371 p.

[THE CITY OF JURMALA, a concise guide] Gorod Iurmala; kratkii spravochnik. Riga, Latviiskoe gos. izd-vo, 1962. 67 p.

DASHEVSKII, [illegible] [The land of lights] Zemlia ognei. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 120 p.

DENISOV, G. I., and D. I. KOCHETKOV. Aleksandrovsk. Perm', Permskoe knizhnoe izd-vo, 1962. 20 p. (Goroda Permskoi oblasti)

DUBATOLOVA, IU. A. [Devonian sea lilies of the Kuznetsk Basin] Morskie lilii devona Kuzbassa. Moskva, Izd-vo "Nauka," 1964. 132 p. illus.

ELISEEV, N. A. [Metamorphism] Metamorfizm. [2. izd., perer. i dop.] Moskva, Izd-vo "Nedra," 1963. 422 p.

FRIDLAND, V. M. [Soils and weathering surfaces of humid tropics as revealed by a study in North Vietnam] Pochvy i kory vyvetrivaniia vlazhnykh tropikov, na primere Severnogo V'etnama. Moskva, Izd-vo "Nauka," 1964. 311 p. (insert)

[FUNDAMENTALS OF PALEONTOLOGY, manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii, spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU. A. Orlov. Moskva, Izd-vo "Nauka,"
[Vol. 12] [Amphibians, reptiles, and birds] Zemnovodnye, presmykaiushchiesia i ptitsy. Otv. red. toma A. K. Rozhdestvenskii, L. P. Tatarinov. 1964. 722 p.

GALCHENKO, I. I. [Geologists continue the journey] Geologi prodolzhaiut put'. Moskva, Sovetskaia Rossiia, 1963. 134 p.
(MH)

GAMREKELI, V. N. [The 1752 map of Georgia. Karta Gruzii 1752 g. Tbilisi] 1964. 23 p. [In Georgian]

GAVRILOV, IU. A. [We are flying to Antarctica] My letim v Antarktidu. [Moskva] Molodaia gvardiia, 1964. 143 p. illus.

GAVRIUKHINA, A. A. [Formation of underground waters under the effect of artificial discharge as revealed by a study made in Moscow] Formirovanie podzemnykh vod pod vliianiem iskusstvennoi razgruzki (na primere Moskvy). Moskva, Izd-vo "Nauka," 1964. 130 p.

IRKUTSK. UNIVERSITET. Geograficheskii fakul'tet. [Collection of short scientific reports. Supplement to the report on research work for 1961] Sbornik kratkikh nauchnykh soobshchenii. Prilozhenie k otchetu o nauchno-issledovatel'skoi rabote za 1961 god. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 123 p.
(MH)

ITONISHVILI, V. D. [Il'ia Chavchavadze and the ethnography of Georgia] Il'ia Chavchavadze i etnografiia Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 129 p. (Akademiia nauk Gruzinskoi SSR. Nauchno-populiarnaia seriia) [In Georgian]
(MH)

IVANOV, G. I. [People of the virgin snow] Liudi [illegible] [illegible]. Iakutsk, Iakutskoe knizhnoe izd-vo, 1963. 40 p.

[illegible], A. A. [Geological excursions in the surroundings of Leningrad; textbook on geological field work] Geologicheskie ekskursii v okrestnostiakh Leningrada; uchebnoe posobie po polevoi geologicheskoi praktike. Leningrad, Leningr. gos. pedagog. in-t, 1963. 150 p.

KASHIRIN, F. T. [Geology of coal-bearing deposits in Kirghizia] Geologiia ugol'nykh mestorozhdenii Severnoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 198 p.

KOSDAKOV, S. N., and I. A. LATYSHOV. [Liudinovo] Liudinovo. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 236 p.
(MH) (NjP)

KRASNOYARSK (Kray). Turistsko-ekskursionnoe upravlenie Krasnoiarska. [Along the Yenisey to Dikson] Po Eniseiu na Dikson. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1962. 14 p.
[MICROFILM]

LIAKHOVICH, V. V. [Accessory minerals of granitoids; brief annotated bibliography] Aktsessornye mineraly granitoidov; kratkaia annotirovannaia bibliografiia. Moskva, In-t mineralogii, geokhimii i kristallokhimii redkikh elementov, 1964. 227 p.

LYSENKO, A. V. [The main street of Minsk (Lenin Avenue)] Glavnaia ulitsa Minska (Leninskii prospekt). Minsk, Gos. izd-vo BSSR, 1963. 88 p. illus.

MOISEEV, P. I. [City of Kiev] Gorod Kiev. [Izd. 2., dop.] Krasnodarskoe knizhnoe izd-vo, 1963. 133 p.
(NIC)

[MY NATIVE LAND] Minu kodumaa. Tallinn, Ajalehe "Kodumaa" väljaanne, 1964. 95 p. illus. [In Estonian]

NALIVKINA, E. B. [Charnockites of the southwestern part of the Ukrainian Crystalline Massif and their genesis] Charnokity iugo-zapadnoi chasti Ukrainskogo kristallicheskogo massiva i ikh genezis. Moskva, Izd-vo "Nauka," 1964. 131 p.

NAHAYTSEVICH, Z. A., and S. M. KIRCHAKOV. [For the participants of a tourist trip] Uchastnikam turisticheskogo pokhoda. Moskva, Medgiz, 1963. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

NAUCHNOE SOVESHCHANIE GEOGRAFOV SIBIRI I DAL'NEGO VOSTOKA. 2d, Vladivostok, 1962. [Materials of the Second Conference of the Geographers of Siberia and the Far East, abstracts of reports. Fifth section: Geography and Regional Study in School] Materialy. Tezisy dokladov. V sektsiia geografii i kraevedeniia v shkole. 1962. 37 p.
[MICROFILM]

ONAN, R. S. [The Nigerian Federation] Federatsiia Nigerii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo") 1963. 63 p. [In Georgian]

PADERIN, G. N. [Seventeen steps] Semnadtsat' shagov. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 60 p. (Seriia: Eto - nasha Sibir')

PETROV, N. P., and P. A. CHISTIAKOV. [Lithology of salt and red-bed sediments in the southwestern spurs of the Gissar Range] Litologiia solenosnykh i krasnotsvetnykh otlozhenii iugo-zapadnykh otrogov Gissara. Tashkent, Izd-vo "Nauka," 1964. 220 p.

PROKHOROV, K.V. [Tertiary granitoids of Kamchatka] Tretichnye granitoidy Kamchatki. Moskva, Izd-vo "Nauka," 1964. 132 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [Our motherland; a geographical atlas for the fourth grade] Nasha Rodina; geograficheskii atlas dlia chetvertogo klassa. [Moskva, 1963] 16 p.

[SARATOV; a guidebook] Saratov; putevoditel'. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 159 p.

SHAFRANOVSKII, I.I. Nikolai Ivanovich Koksharov. Moskva, Izd-vo "Nauka," 1964. 214 p. (Nauchno-biograficheskaia seriia)

SOVESHCHANIE "PRINTSIPY TOPONIMIKI," Moscow, 1962. [Principles of toponymy] Printsipy toponimiki. Moskva, Izd-vo "Nauka," 1964. 150 p.

STANKEVICH, E.S. [Ammonites of the Jurassic sand-clay sediments of the northwestern Caucasus] Ammonity iurskikh peschano-glinistykh otlozhenii Severo-Zapadnogo Kavkaza. Moskva, Izd-vo "Nauka," 1964. 97 p.

STEPANOV, L.L. [In the mirror of the Blue Danube] V zerkale golubogo Dunaia. Moskva, "Mysl'," 1964. 309 p. (Geograficheskaia seriia: Puteshestviia i prikliucheniia)

STROEV, K.F. [Geography of the U.S.S.R.; a textbook for the 7th and 8th classes] Geografiia SSSR; uchebnik dlia 7-8 klassov. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 293 p.
(MnU)

SULTANOV, F.S., Z.Z. SULTANOVA, and F.S. MAGERRAMOVA. [Internal structure of the earth] Ierin dakhili gurulushu. Baky, Azerneshr, 1963. 112 p. [In Azerbaijani]

TSKHOVREBASHVILI, SH.A. [In the glacial trough of the Arctic. V ledianoi pustyne Arktiki. Tbilisi] 1963. 49 p. [In Georgian]

VSESOIUZNOE SOVESHCHANIE PO VOPROSAM LANDSHAFTOVEDENIIA, 6th, Moscow, 1963. [Problems of landform study; materials] Voprosy landshaftovedeniia; materialy. Alma-Ata, Akad. nauk Kazakhskoi SSR, 1963. 390 p.

VSEURAL'SKOE SOVESHCHANIE PO VOPROSAM GEOGRAFII I OKHRANY PRIRODY. 6th. [Regional study; materials of the Sixth All-Urals Conference on the Geography and Conservation of Nature] Kraevedenie; materialy. Ufa, Bashkirskii gos. univ. im. 40-letiia Oktiabria, 1961. 51 p.
[MICROFILM]

ZAPLATIN, M.A. [Toward the Kodar glaciers; travel notes of a motion picture operator. K lednikam Kodara], putevye zapiski kinooperatora. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 41 p. (Eto—nasha Sibir')

ZATULOVSKII, D.M. [The Pamirs' riddles and contrasts] Zagadki i kontrasty Pamira. Moskva, Izd-vo "Mysl'," 1964. 126 p. (Rasskazy o prirode)

ZUBOV, A.A. [Man settles his planet] Chelovek zaseliaet svoiu planetu. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 173 p.

13. SCIENCE

ABAGIAN, L.P., and others. [Group constants for the design of nuclear reactors] Gruppovye konstanty dlia rascheta iadernykh reaktorov. Moskva, Atomizdat, 1964. 138 p.

AFANAS'EVA, E.A., and V.N. GOLUBEV. [Soil and botanical studies of the Streletskoye Steppe; Central Chernozem Preserve] Pochvenno-botanicheskii ocherk Streletskoi stepi; TSentral'no-Chernozemnyi gosudarstvennyi zapovednik im. V.V. Alekhina. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 66 p.
[MICROFILM]

AFANAS'EVA, R.V., and others. [Production of Li^8 in the fission of C^{12} nuclei by high-energy protons] Obrazovanie Li^8 v rasshchepleniiakh iader C^{12} protonami vysokoi energii. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 8 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Prezidium. Terminologicheskii komitet. [Dictionary of botanical terms] Slovar' botanicheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 220 p. [In Russian and Azerbaijani]

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Prezidium. Terminologicheskii komitet. [Terminological dictionary of human and animal physiology] Slovar' terminov po fiziologii cheloveka i zhivotnykh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 99 p. [In Russian and Azerbaijani]

AKADEMIIA NAUK SSSR. [Lectures by chemists] Rasskazyvaiut uchenye-khimiki. Moskva, Izd-vo "Nauka," 1964. 254 p. (Nauchno-populiarnaia seriia)

AKADEMIIA NAUK SSSR. Biblioteka. [Physiological significance of mineral nutrition as related to water requirements in the life of plants; a bibliographic index for 1926-1962] Fiziologicheskoe znachenie mineral'nogo pitaniia v sviazi s vodnym rezhimom v zhizni rastenii; bibliograficheskii ukazatel', 1926-1962. Sost. N.N. TSvetkova. Pod red. F.D. Skazkina. Leningrad, 1964. 174 p.

AKADEMIIA NAUK SSSR. Institut mikrobiologii. [Catalog of cultures of micro-organisms kept in the institutes of the U.S.S.R.] Katalog kul'tur mikroorganizmov, podderzhivaemykh v institutakh SSSR. Moskva, Izd-vo "Nauka," 1964. 123 p.

AKADEMIIA NAUK SSSR. Institut obshchei i neorganicheskoi khimii. [Synthesis of complex compounds of platinum group metals; a handbook] Sintez kompleksnykh soedinenii metallov platinovoi gruppy; spravochnik. Moskva, Izd-vo "Nauka," 1964. 338 p.

ANTRUSIN, A. [The inexhaustible atom. Translated from the Russian] Ammendamatu aatom. Tallinn, Eesti Riiklik Kirjastus, 1963. 340 p. (Teaduse teedelt) [In Estonian]

BALAKISHIEV, K.A. [Anatomical nomenclature in Latin, Azerbaijani and Russian. Compiled on the basis of the Paris International Anatomical Nomenclature] Anatomicheskaia nomenklatura na latinskom, azerbaidzhanskom i russkom iazykakh. Sostavlena na osnove Mezhdunarodnoi Parizhskoi anatomicheskoi nomenklatury. Baku, Azerbaidzhanskoe gos. izd-vo uchebno-pedagog. lit-ry, 1964. 270 p.

BALODIS, A. [For collectors of mushrooms] Senotajiem. Riga, Latvijas Valsts izd-ba, 1963. 107 p. [In Latvian]

BARANOV, V.I., and others. [Laboratory work and problems in radiometry] Laboratornye raboty i zadachi po radiometrii. Moskva, Atomizdat, 1964. 307 p.

BERDYSHEV, G.D., and V.A. RATNER. [Code of heredity] Kod nasledstvennosti. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 185 p. (Uchenye Sibiri o dostizheniiakh nauki)

BERNSHTEIN, A.D. [Living motion] Zhivoe dvizhenie. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 7)

BOBROV, V.IA. [Weather forecasting based on local observations] Kak predskazyvat' pogodu po mestnym priznakam. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 46 p.
[MICROFILM]

BOKSER, O.IA., and M.I. KLEVTSOV. [Radioelectronic apparatus for the time analysis of reflexes] Radioelektronnaia apparatura dlia vremennogo analiza refleksov. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no. 512)

[BOTANICAL GARDEN OF TARTU STATE UNIVERSITY (est. 1803); brief history and description of the collections] Tartu Riikliku Ulikooli botaanikaaed (asutatud 1803); luhike ajaloo ja kogude kirjeldus. Tallinn, Eesti Riiklik Kirjastus, 1963. 64 p. [In Estonian]

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. [Table of powers giving integral powers of integers. Translated from the English] Tablitsy stepenei tselykh chisel. Obrabotka tablits i perevod teksta s angliiskogo K.S. Il'ina i L.I. Sazonovoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. ix, 132 p. tables. (Biblioteka matematicheskikh tablits, no. 18)
(RPB)

BUDREIKO, N.A. [Philosophy, physics, chemistry] Filosofiia, fizika, khimiia. [Moskva] Mosk. rabochii, 1964. 222 p. table (insert)

CARTAN, ELIE JOSEPH. [Exterior differential systems and their geometric applications. Translated from the French] Vneshnie differentsial'nye sistemy i ikh geometricheskie prilozheniia. [Moskva] Izd-vo Moskovskogo univ., 1962. 236 p.
(RPB)

CHERKASOVA, L.S., ed. [Biochemistry of small doses of ionizing radiation] Biokhimiia malykh doz ioniziruiushchei radiatsii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 164 p.

CHETVERUKHIN, N.F., ed. [Descriptive geometry] Nachertatel'naia geometriia. Izd. 2., perer. i dop. [By] N.F. Chetverukhin i dr. Moskva, Vysshaia shkola, 1963. 419 p.

[THE CONSTITUION OF MATTER; first talk] Stroenie veshchestva; beseda pervaia. [By] V.I. Gol'danskii i dr. Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 5)

COPERNICUS, NICOLAUS. [Revolutions of the celestial spheres; the Commentariolus; Letter against Werner; Uppsala record. Translated from the Latin] O vrashcheniiakh nebesnykh sfer; malyi kommentarii; poslanie protiv Vernera; Upsal'skaia zapis'. Perevod prof. I.N. Veselovskogo, stat'ia i obshchaia red. chlena-korrespondenta AN SSSR A.A. Mikhailova. [Moskva] Izd-vo "Nauka," 1964. 653 p. (Klassiki nauki)

DOBREN'KOV, G.A. [Colloid chemistry; course of lectures for the students of technological departments] Kolloidnaia khimiia; kurs lektsii dlia studentov tekhnologicheskikh fakul'tetov. Kazan', Kazanskii khimiko-tekhnologicheskii in-t im. S.M. Kirova, 1960. 195 p.
[MICROFILM]

DRAGHICESCU, P., and others. [Dynamic polarization of protons in lanthanum-magnesium nitrate crystals containing neodymium] Dinamicheskaia poliarizatsiia protonov v kristalle lantan-magnievogo nitrata s primes'iu neodima. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 10 p.

DRUZHININ, N.K., and N.I. KRYLOVA. [Textbook on mathematical statistics; fundamental formulas] Uchebnoe posobie po matematicheskoi statistike; osnovnye formuly. Moskva, Mosk. in-t nar. khoz. im. G.V. Plekhanova, 1963. 36 p.

DZHAFAROV, SH.M. [Biting midges (Diptera, Heleidae) of Transcaucasia; morphology, biology, ecology, geographical distribution, injuriousness, control and fauna of the genera Culicoides, Leptoconops and Lasiohelea] Krovososushchie mokretsy (Diptera, Heleidae) Zakavkaz'ia; morfologiia, biologiia, ekologiia, geograficheskoe rasprostranenie, vredonosnost', mery bor'by i fauna rodov Culicoides, Leptoconops i Lasiohelea. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 413 p.

[EFFECT OF SOIL CONDITIONS ON THE GROWTH OF WOODY PLANTS] Vliianie pochvennykh uslovii na rost drevesnykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 113 p.

EL'CHIBAEV, A.A. [Edible mushrooms of Kirghizistan] S"edobnye griby Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 44 p.

[ELECTRON MICROSCOPIC METHODS IN STUDYING BIOLOGICAL OBJECTS] Elektronnomikroskopicheskie metody issledovaniia biologicheskikh ob"ektov. [By] V.I. Biriuzova i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 203 p.

ELINOV, N.P. [Pathogenic yeastlike organisms] Patogennye drozhzhepodobnye organizmy. Moskva, Meditsina, 1964. 362 p.

EL'SGOL'TS, L.E. [Introduction to the theory of differential equations with retarded argument] Vvedenie v teoriiu differentsial'nykh uravnenii s otkloniaiushchimsia argumentom. Moskva, Izd-vo "Nauka," 1964. 127 p.

ERIVAN. VYCHISLITEL'NYI TSENTR. [Mathematical problems of cybernetics and computer technology] Matematicheskie voprosy kibernetiki i vychislitel'noi tekhniki. Erevan, 1963. 65 p.
(CStmoR)

EROFEEV, B.V., and N.D. SOKOLOVA. [Tables for calculations involving the topokinetic equation $\alpha = 1 - \exp(-kt^n)$] Tablitsy dlia raschetov po topokineticheskomu uravneniiu $\alpha = 1 - \exp(-kt^n)$. Minsk, Izd-vo Akad. nauk BSSR, 1963. 131 p.

TSIPENKO, G.E. [Mathematics in every-day life] Matematika v zhizni. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1960. 90 p.

[MICROFILM]

FESENKOV, V.G. [Life in the universe] Zhizn' vo Vselennoi. Moskva, Izd-vo "Znanie," 1964. 53 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 6)

FRANCE. CENTRE NATIONAL D'ÉTUDES DES TÉLÉCOMMUNICATIONS. [Tables of associated Legendre's functions. Translated from the French] Tablitsy prisoedinennykh funktsii Lezhandra; sbornik. Obrabotka tablits i perevod teksta s frantsuzskogo L.N. Karls, M.I. Zhurinoi, L.N. Karmazinoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. XVII, 321 p., diagrs., tables. (Biblioteka matematicheskikh tablits, no. 14)
(RPD)

FROLOV, N.A. [Course in mathematical analysis; a textbook for pedagogical institutes] Kurs matematicheskogo analiza; posobie dlia pedagogicheskikh institutov. Moskva, Prosveshchenie.
Pt. 1. Izd. 2., perer. 1964. 393 p.

FRUNZE. GOSUDARSTVENNAIA NAUCHNAIA MEDITSINSKAIA BIBLIOTEKA KIRGIZSKOI SSR. [High mountains (mountain climate and reduced atmospheric pressure); effect on the body. A bibliographic guide to the Soviet literature, 1840-1959] Vysokogor'e (gornyi klimat i ponizhennoe atmosfernoe davlenie), vliianie na organizm. Bibliograficheskii ukazatel' otechestvennoi literatury (1840-1959 gody). Frunze, 1963. [illegible] p.

GABUNIIA, L.K., and A.K.VEKUA. [A fossil elephant from Taribana] Iskopaemyi slon iz Taribany. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p. [In Georgian with summaries in French]
(MIRA)

GAMALITSKAIA, S.A. [Micromycetes of the south-western part of the central Tien Shan] Mikromitsety iugo-zapadnoi chasti Tsentral'nogo Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 162 p.

[illegible], A. [illegible] [illegible] Riga, Latvijas PSR Zinatnu Akad. izd., 1964. 84 p. [In Latvian]

[illegible], M.A., and A.S.[illegible]. [Popular introduction to [illegible] geometry] [illegible] Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 130 p.

[illegible], I.I., and others. [Basic properties of working gases at high temperatures; handbook] Osnovnye svoistva rabochikh gazov pri vysokikh temperaturakh; spravochnik. Moskva, Mashinostroenie, 1964. 59 p.

[illegible], G.P. [illegible] in the atmosphere] [illegible] v atmosfere. Leningrad, Gidrometeoizdat, 1964. 3?? p.

HELMERT, FRIEDRICH ROBERT. [Mathematical and physical theories of higher geodesy. Translated from the German] Matematicheskie i fizicheskie teorii vysshei geodezii. Pod obshchei red. [illegible] Moskva, Izd-vo geodez. lit.
Vol. 1. [Mathematical theories] Matematicheskie teorii. 1962.
(MIRA)

IABLONSKII, A.A. [Course of theoretical mechanics] Kurs teoreticheskoi mekhaniki. Moskva, Vysshaia shkola.
Pt. 2. [Dynamics] Dinamika. Izd. 2., perer. 1964. 374 p.

INSTITUT MINERALOGII, GEOKHIMII I KRISTALLOKHIMII REDKIKH ELEMENTOV. [Geochemistry, mineralogy, and genetic types of rare element deposits] Geokhimiia, mineralogiia i geneticheskie tipy mestorozhdenii redkikh elementov. Moskva, Izd-vo "Nauka."
Vol. 1. [Geochemistry of rare elements] Geokhimiia redkikh elementov. 1964. 685 p.

[illegible], G.D. [Characteristics of the form and location of the stomach and the duodenum. [illegible]] [illegible] Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 1?? p. [In Georgian]

KHANDAMIAN, A.A. [Sampling apparatus for gases and liquids] Probootborniki gazov i zhidkostei. Moskva, Izd-vo "Energiia," 1964. 30 p. (Biblioteka po avtomatike, no. 9?)

[illegible], A.A. [Interpretation of magnetic and gravity anomalies over stratified beds] Interpretatsiia magnitnykh i gravitatsionnykh anomalii nad plastoobraznymi telami. Moskva, Gosgeoltekhizdat, 1963. 35 p. diagr. (Insert)

IUSHCHENKO, E.L., and T.A.GRISHCHENKO. [Programming program with input address language for the Ural-1 computer; programmer's manual] Programmiruiushchaia programma s vkhodnym adresnym iazykom dlia mashiny Ural-1, rukovodstvo programmista. Kiev, Naukova dumka, 1964. 105 p.

[illegible], TADAS, NATALIJA [illegible], and [illegible]. [A guide to Lithuanian [illegible]] [illegible] Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1964. 132 p. [In Lithuanian]

[illegible], E., and E.[illegible]. [Electromagnetic properties of ferrites in a uniaxial anisotropy model] [illegible] Odessa, [illegible], 1964. 7 p.

KELDYSH, M.V., and L.I. SEDOV. [Application of the theory of functions of a complex variable to hydrodynamics and aerodynamics, [illegible]] [illegible] Moskva, Izd-vo "Nauka," 1964. 45 p.

[illegible], G.V. [illegible] Tbilisi, [illegible] 1961. 24 p. [In Georgian]

KOMPANEETS, A.S. [At the frontier of science; the [illegible]] [illegible] Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 8)

KONFERENTSIIA PO FIZIKE PLAZMY I PROBLEMAM UPRAVLIAEMOGO TERMOIADERNOGO SINTEZA. 3d, Khar'kov, 1962. [Plasma physics and problems of controlled thermonuclear synthesis; reports] Fizika plazmy i problemy upravliaemogo termoiadernogo sinteza; doklady. Kiev, Izd-vo Akad. nauk USSR, 1963. 3?? p.

KOSHLIAKOV, N.S. [Fundamental differential equations] Osnovnye differentsial'nye uravneniia [illegible] Pod red. [illegible] Moskva, [illegible] 1962. [illegible] p.
[MICROFILM]

[illegible], N.A., and A.V. LEBEDINSKII, eds. [Restorative processes in radiation lesions; collection of articles] Vosstanovitel'nye protsessy pri radiatsionnykh porazheniiakh; sbornik statei. Moskva, Atomizdat, 1964. 2?? p.

[illegible], G.P. [illegible] Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1962. 87 p. [In Georgian]

[illegible], V.V. [Physical and colloid chemistry] Fizicheskaia i kolloidnaia khimiia. Moskva, Vysshaia shkola, 1964. 3?? p.

[illegible], V.A. [Philosophy and contemporary natural science] Filosofiia i sovremennoe estestvoznanie. [illegible] Vysshaia shkola, 1964. 248 p.

LENINGRAD. UNIVERSITET. [Chemistry of the rare elements] Khimiia redkikh elementov. [Leningrad] Izd-vo Leningr. univ., 1964. 180 p.

LEVIN, V.I. [Radioactive isotopes] Radioaktivnye izotopy. Moskva, Atomizdat, 1964. 12 p.

[illegible], I.I. [Medicinal plants of the Moldavian S.S.R.] Lekarstvennye rasteniia Moldavskoi SSR. Izd. 2., dop. Kishinev, Kartia moldoveniaske, 1964. 19 p.

MAKAROV, P.V. [Chemistry of the cell] Khimiia kletki. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 3? p.

MAMEDZADE, V.G. [Independent work of student the study of organic chemistry] [illegible] Azertedrisnashr, 49 p. [In Azerbaijani]

MANINA, A.A. [Radiation lesions and the regene processes in the central nervous system of mam in ontogenesis] Luchevye porazheniia i vosstano nye protsessy v tsentral'noi nervnoi sisteme mle kopitaiushchikh v ontogeneze. [Moskva] Meditsina, 2?0 p.

MATVEEV, A.N. [Electrodynamics and the theory relativity] Elektrodinamika i teoriia otnositel' Moskva, "Vysshaia shkola," 1964. 42? p.

[illegible], V.D. [Werner Heisenberg's philoso views; a critical analysis] Filosofskie vzgliady Vernera Geizenberga; kriticheskii analiz. Tbilis 1963. 107 p. [In Georgian]

MEKLENBURTSEV, R.N. [Birds as carriers of ectoparasites] K voprosu o perenose ptitsami ektoparazitov. Otv. red. T.Z.Zakhidov. Tashken [illegible], 1963. 75 p. (Novaia seriia, no. 1??. Biologicheskie nauki, book no. 40)

[illegible], E.M. [Methodological textbook on mathe cal statistics] Metodicheskoe posobie po matemati skoi statistike. Khar'kov, Khar'kovskii sel'skokhoz 1963. 9? p.

MEZHVUZOVSKAIA KONFERENTSIIA PO LEKTSION NYM DEMONSTRATSIIAM PO KURSU OBSHCHEI FIZIKI. 1st. [Methodology and technique of le demonstrations in physics; transactions] Metodika i tekhnika lektsionnykh demonstratsii po fizike, [illegible] trudy. [Moskva] Izd-vo Mosk. univ., 1964. 2??

MIKHAILOV, A.A., ed. [Course of astrophysics an stellar astronomy] Kurs astrofiziki i zvezdnoi ast nomii. Moskva, Izd-vo "Nauka."
Vol.3. [By] V.P. Viazanitsyn i dr. Red. kolleg A.N.Deich i dr. 1964. 3?5 p.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII PISHCHEVOI PRO MYSHLENNOSTI. [New developments in the micro biology of milk and dairy products] Novoe v mikrobio logii moloka i molochnykh produktov. Moskva, 196 24 p.

[MICROFILM]

NAUCHNAIA KONFERENTSIIA INSTITUTOV KHIMII AKADEMII NAUK AZERBAIDZHANSKOI, ARMIAN SKOI I GRUZINSKOI SSR, Erevan, 1957. [Materia of the Scientific Conference of the Chemical Institu tions of the Academies of Sciences of the Azerbaijan, Armenian, and Georgian S.S.R.] Materialy... [illegible] van, Izd-vo Akad. nauk Armianskoi SSR, 1962. 3

NIKITINA, I.M. [Tables of mass transfer coefficient for metal materials] Tablitsy koeffitsientov massoperenosa v [illegible] materialov. Pod red. A.V. Lykova. Minsk, Izd-vo "Nauka i tekhnika," 1964. 1?6 p.

NIKOLAI, E.L. [Gyroscopes in gimbals] Giroskop v kardanovom podvese. Izd. 2. Pererabotannoe A.IU. Ishlinskim i s dopolneniiami D.M. Klimova. Moskva, Izd-vo "Nauka," 1964. 1?0 p.

PANOVKO, IA.G., and I.I.GUBANOVA. [Stability an oscillations of elastic systems; modern concepts, par doxes, and errors] Ustoichivost' i kolebaniia upru gikh sistem, sovremennye kontseptsii, paradoksy i oshibki. Moskva, Izd-vo "Nauka," 1964. 336 p.

PAPAVA, V.I. [Authentic specimens preserved in the herbarium of the State Museum of Georgia] [illegible] [illegible] Tbilisi, 1962. 58 p. illus. [In Georgian Russian, and Latin]

PEREL', IU.G. [Galilei and contemporary astronomy] Galilei i sovremennaia astronomiia. Moskva, Izd-vo "Znanie," 1964. 32 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronom no. 9)

PIASKOVSKII, D.V. [Course of spherical astronomy] Kurs sfericheskoi astronomii. [Kiev] Izd-vo Kiev-skogo univ., 1964. 135 p.

PISKUNOV, N.S. [Differential and integral calculi for institutions of higher technical education] Differentsial'noe i integral'noe ischislenie dlia vtuzov. Izd. 5. Moskva, Izd-vo "Nauka."
Vol. 2. 1964. 312 p.

[PROBLEMS IN MODERN EMBRYOLOGY] Problemy sovremennoi embriologii. [Moskva] Izd-vo Mosk. univ., 1964. 565 p.

PROKOF'EV, V. V., A. F. AFANAS'EV, and N. P. PEKHTEREV. [Descriptive geometry] Nachertatel'naia geometriia. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva, 1963. 169 p.

REINBERG, M. G. [The future of computers] Budushchee vychislitel'nykh mashin. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 6)

ROGOZKIN, V. D., B. P. BELOUSOV, and N. K. EVSEEVA. [Radiation-protective effect of cyanides; amygdalin] Radiozashchitnoe deistvie tsianistykh soedinenii; amigdalin. Pod red. P. D. Gorizontova. Moskva, Medgiz, 1963. 131 p.

RYDNIK, V. I. [What is quantum mechanics] Chto takoe kvantovaia mekhanika. Moskva, Sovetskaia Rossiia, 1963. 218 p.

RYZHOV, N. N. [Lectures on descriptive geometry] Lektsii po nachertatel'noi geometrii. Moskva, Univ. druzhby narodov imeni Patrisa Lumumby.
No. 1. 1963. 45 p.

SAZONOV, B. I. [Upper barometric formations and solar activity] Vysotnye baricheskie obrazovaniia i solnechnaia aktivnost'. Leningrad, Gidrometeoizdat, 1964. 129 p.

SELEZNEV, K. A. [Analytical chemistry; qualitative semimicroanalysis and quantitative analysis] Analiticheskaia khimiia; kachestvennyi polumikroanaliz i kolichestvennyi analiz. Moskva, Vysshaia shkola, 1963. 287 p.

SELEZNEVA, E. S. ed. [Chemical composition of the atmospheric precipitation in the European territory of the U. S. S. R.] Khimicheskii sostav atmosfernykh osadkov na Evropeiskoi territorii SSSR. [By] V. M. Drozdova i dr. Leningrad, Gidrometeoizdat, 1964. 209 p.

SEMINAIRE "SOPHUS LIE." [Theory of the Lie algebras. Topology of Lie groups. Translated from the French] Teoriia algebr Li. Topologiia grupp Li. Pod red. E. B. Dynkina. Moskva, Izd-vo inostr. lit-ry, 1962. 305 p. (Biblioteka sbornika "Matematika")
(RPB)

SERGIEVSKII, M. V. [Peripheral, or local, reflexes] Perifericheskie, ili mestnye, refleksy. Moskva, Meditsina, 1964. 198 p.

SHAKHNO, K. U. [Collection of difficult problems in elementary mathematics] Sbornik zadach po elementarnoi matematike povyshennoi trudnosti. Minsk, Vysshaia shkola, 1964. 523 p.

SHISHKIN, N. S. [Clouds, precipitation and thunderstorm electricity] Oblaka, osadki i grozovoe elektrichestvo. [2. perer. i dop. izd.] Leningrad, Gidrometeoizdat, 1964. 400 p.

SINEL'NIKOV, K. D., and others. [Study of a magnetic trap with a volume charge] Issledovanie magnitnoi lovushki s ob"emnym zariadom. Khar'kov, Fiziko-tekhn. in-t Akad. nauk USSR, 1960. 243-254 p.

SKURATOV, S. M., V. P. KOLESOV, and A. F. VOROB'EV. [Thermochemistry] Termokhimiia. [Moskva] Izd-vo Mosk. univ.
Pt. 1. [General data on thermometry and calorimetry] Obshchie svedeniia o termometrii i kalorimetrii. 1964. 301 p.

SOKOLOV, S. N. [Nonlocal potentials and the possible upsetting of Bose and Fermi statistics] Nelokal'nye potentsialy i vozmozhnoe narushenie Bose i Fermi statistik. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 3 p.

SPANGENBERG, E. P. [Memoirs of a naturalist] Zapiski naturalista. Moskva, Izd-vo Mosk. univ., 1964. 705 p. illus. (Sredi prirody, no. 56)

STRAUTMAN, F. I. [Birds of the western provinces of the Ukrainian S. S. R.] Ptitsy zapadnykh oblastei USSR. L'vov, Izd-vo L'vovskogo univ.
Vol. 2. 1963. 181 p.

TARASOV, S. I. [Resonance method for measuring the magnetic flux increment in pulsed alternating magnetization of cores] Rezonansnyi sposob izmereniia prirashchenii potoka magnitnoi induktsii pri impul'snom peremagnichivanii serdechnikov. Moskva, Vychislitel'nyi tsentr AN SSSR, 1964. 23 p. (Trudy Vychislitel'nogo tsentra)

TOLMASSKAIA, E. S. [Nervous mechanisms in the coordination of somatic and visceral functions of the organism] O nervnykh mekhanizmakh koordinatsii somaticheskikh i vistseral'nykh funktsii organizma. Moskva, Meditsina, 1964. 166 p.

VAL'TER, A. K., and I. I. ZALIUBOVSKII. [Nuclear physics] IAdernaia fizika. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 367 p.

VOLKOV, M. K., and G. V. EFIMOV. [Analytical properties of amplitudes in the second order of the nonlinear field theory] Analiticheskie svoistva amplitud vo vtorom poriadke nelineinoi teorii polia. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 9 p.

VORONTSOV-VEL'IAMINOV, B. A. [Essays on the universe] Ocherki o Vselennoi. Izd. 5., dop. Moskva, Izd-vo "Nauka," 1964. 552 p.

VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IMENI D. I. MENDELEEVA. Voronezhskoe otdelenie. [Transactions of the Voronezh Branch of the D. I. Mendeleev All-Union Chemical Society] Sbornik trudov. [Voronezh] Voronezhskoe knizhnoe izd-vo.
No. 2. Palkin, A. P. and others, eds. 1959. 184 p.
[MICROFILM]

WEIL, ANDRÉ. [Introduction to the theory of Kahler manifolds. Translated from the French] Vvedenie v teoriiu kelerovykh mnogoobrazii. Pod red. I. I. Piatetskogo-Shapiro. Moskva, Izd-vo inostr. lit-ry, 1961. 219 p.
(NcD)

ZAKHAROV, A. M. [Phase diagrams of quaternary systems] Diagrammy sostoianii chetvernykh sistem. Moskva, Izd-vo "Metallurgiia," 1964. 239 p.

ZAPRIAGAEVA, V. I. [Wild fruit plants of Tajikistan] Dikorastushchie plodovye Tadzhikistana. Glav. red. P. N. Ovchinnikov. Moskva, Izd-vo "Nauka," 1964. 694 p.

ZHDANOV, A. D., ed. [International anatomical nomenclature] Mezhdunarodnaia anatomicheskaia nomenklatura. Izd. 2. Moskva, Meditsina, 1964. 77 p.

ZHEENBAEV, ZH. ZH., and others. [Optical pumping and its technical application] Opticheskoe nakachivanie i ego tekhnicheskoe primenenie. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 69 p.

ZIRNITIS, ALFREDS. [Climate of the Latvian S. S. R.] Latvijas PSR klimats. Riga, Latvijas Valsts izd-ba, 1963. 90 p. [In Latvian]

14. MEDICINE

ABDULLAEV, D. M. [Diagnosis and treatment of cardiovascular diseases; textbook for medical institutes] Urek-damar khesteliklerinin diagnostikasy ve mualichesi; tibb institutu uchun ders vesaiti. Baky, Azertedrisneshr, 1963. 215 p. [In Azerbaijani]
(DNLM)

ABESADZE, A. I., and A. I. SIKHARULIDZE. [Effect of blood transfusion on the functional activity of the principal digestive glands. Vliianie perelivaniia krovi na funktsional'nuiu deiatel'nost' glavnykh pishchevaritel'nykh zhelez. Tbilisi, Izd-vo "Sabchota Sakartvelo"] 1964. 148 p. [In Georgian]
(DNLM)

ABRAMOVICH, G. B. [For parents about epileptic children] Roditeliam o detiakh, boleiushchikh epilepsiei. Izd. 2. [Leningrad] Izd-vo "Meditsina," 1964. 37 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

AKADEMIIA NAUK SSSR. Aleksandr Nikolaevich Bakulev. Vstup. stat'ia S. A. Kolesnikova. Bibliografiia sost. V. D. Magnitskoi. Moskva, 1963. 60 p. (Materialy k biobibliografii uchenykh SSSR. Seriia meditsinskikh nauk, no. 7)
(NIC)

AKHMETELI, G. S. [Materials on the pathogenesis of myocardial necroses] Materialy k patogenezu nekrozov miokarda. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 100 p.
(DNLM)

ALESKER, E. M. [Bee venom in the clinical aspects of internal diseases] Pchelinyi iad v klinike vnutrennik boleznei. [Leningrad], Izd-vo "Meditsina," 1964. 128 p. (Biblioteka prakticheskogo vracha)
(DNLM)

ARAPOV, D. A., and IU. V. ISAKOV. [Tracheostomy as a therapeutic method in emergency states] Trakheostomiia kak lechebnyi metod pri neotlozhnykh sostoia niiakh. Moskva, Izd-vo "Meditsina," 1964. 162 p. (Biblioteka prakticheskogo vracha)
(DNLM)

AVRUTSKII, G. IA. [Modern psychotropic drugs and their use in the treatment of schizophrenia] Sovreme nye psikhotropnye sredstva i ikh primenenie v lechenii shizofrenii. Moskva, Izd-vo "Meditsina," 1964. 301 p. (Biblioteka prakticheskogo vracha)
(DNLM)

BERNSHTEIN, A. I. [The Pyatigorsk Health Resort] Kurort Piatigorsk. Stavropol', Knizhnoe izd-vo, 196 188 p. illus.

BETANELI, A. M. [Duodenal reversion as one of the possible methods for the reconstruction of the alime tary canal following gastric resection] Reversiia dv nadtsatiperstnoi kishki kak odin iz vozmozhnykh spo bov rekonstruktsii pishchevaritel'nogo trakta posle rezektsii zheludka. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 210 p.
(DNLM)

BOCHORISHVILI, G. D. [Spinal anesthesia. Spinal'naia anestezija. Tbilisi, Gos. izd-vo "Sabchota Sakartvel 1963. 100 p. [In Georgian]
(DNLM)

BOKSHA, V. G., and IA. M. BERSHITSKII. [Sea, sun a air are waiting for you... (health resort visitor's booklet on climatic therapy during a warm period of the year)] Vas zhdut more, solntse, vozdukh... (Pamiatka kurortnika o klimaticheskom lechenii v teplyi period goda). Simferopol', Krymizdat, 1963. 29 p.
(DNLM)

CHERVIAKOVSKII, N. IA. [Problem of edema in the clinical aspects of internal diseases] Problema otek v klinike vnutrennikh boleznei. [Leningrad] Meditsina, 1964. 198 p.
(DNLM)

CHUBINIDZE, A. I. [Reticular formation of the brain; some problems of normal and pathological morpholo gy] Retikuliarnaia formatsiia golovnogo mozga; neko torye voprosy normal'noi i patologicheskoi morfolog Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. [In Georgian]
(DNLM)

[COLLECTION OF ABSTRACTS ON RADIATION MEDICINE FOR 1957] Sbornik referatov po radiatsi noi meditsine za 1957 god. [Moskva] Medgiz.
Vol. 1. 1959. 202 p.

DANILENKO, M. V. [Paragonimiasis; a clinical and e perimental study] Paragonimoz; kliniko-eksperimen tal'noe issledovanie. Moskva, Medgiz, 1963. 166 p
(DNLM)

DEMIN, V. N. [Rational limits of surgery in cancer of the colon and the rectum] Ratsional'nye granitsy operatsii pri rake obodochnoi i priamoi kishok. [Leningrad] Meditsina, 1964. 206 p.
(DNLM)

DOLGOPIATOV, G. IA. [Headache] Golovnaia bol'. M skva, Izd-vo "Znanie," 1964. 31 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 8)

DOTSENKO, S. N., and B. IA. PERVOMAISKII. [Neu ses; their clinical aspects and treatment] Nevrozy; klinika i lechenie. [Leningrad] Izd-vo "Meditsina," 1964. 185 p.
(DNLM)

DZHAVADOV, R. B. [Smallpox] Tobli chichek. Baky, Azerbaichan dovlet neshriiiaty, 1963. 160 p. [In Azerbaijani]
(DNLM)

ELANSKII, N. N. [Surgical diseases] Khirurgicheskie bolezni. Moskva, Izd-vo "Meditsina," 1964. 649 p
(DNLM)

ERMINA, M. S. [Tuberculosis of the female genital organs] Tuberkulez zhenskikh polovykh organov. Moskva, Meditsina, 1964. 180 p.
(DNLM)

FEL'DMAN, A.I., and S.I. VIL'FSON. [Diseases of the ear and upper respiratory tract in children] Bolezni ukha i verkhnikh dykhatel'nykh putei v detskom vozraste. 6. izd., perer. i dop. Moskva, Meditsina, 1964. 389 p.
(DNLM)

FOGEL'SON, L. I. [Work capacity and indications for job placement in diseases of the cardiovascular system, scientific methodological fundamentals] Trudosposobnost' i pokazaniia k trudoustroistvu pri zabolevaniiakh serdechno-sosudistoi sistemy; nauchno-metodicheskie osnovy. Moskva, Meditsina, 1964. 241 p.
(DNLM)

[FOR ELDERLY PEOPLE] Dlia pozhilykh. [Moskva] Meditsina, 1964. 252 p.
(DNLM)

GALKIN, V.A. [Soviet physicians in Yemen] Sovetskie vrachi v Iemene. Moskva, Meditsina, 1964. 30 p.

GEL'ERSHTEIN, N.G., and I.L. [illegible]. [Principles and methods of occupational therapy for mental patients] Printsipy i metody trudovoi terapii psikhicheski bol'nykh. Moskva, Meditsina," 1964. 103 p. (Biblioteka prakticheskogo vracha)
(DNLM)

GENES, V. S. [Tables of significant differences between groups of observations according to qualitative indices; a manual on the statistical analysis of the results of observations and experiments in medicine and biology] Tablitsy dostovernykh razlichii mezhdu gruppami nabliudenii po kachestvennym pokazateliam; posobie po statisticheskoi obrabotke rezul'tatov nabliudenii i opytov v meditsine i biologii. [Moskva] Meditsina, 1964. 79 p.
(DNLM)

GOGOBERIDZE, N.S. [Treatment of female sterility] Lechenie zhenskogo besplodiia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 173 p.
(DNLM)

GOL'DIN, G.I. [A contribution to the history of Russian urology] K istorii otechestvennoi urologii. Moskva, Meditsina, 1964. 230 p.

GRUSHKO, IA. M. [Chemical compounds and the prevention of poisoning by them] Khimicheskie veshchestva i preduprezhdenie otravlenii imi. Moskva, Izd-vo "Meditsina," 1964. 203 p.

GUKASIAN, A.G. [How to prevent diseases of the liver] Kak preduprezhdat' zabolevaniia pecheni. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 2)

GVANTSELADZE, V.S., SH.K. MAKHARADZE, and I.T. CHUMBURIDZE. [Congenital heart defects; clinical aspects, diagnosis and surgical treatment] Vrozhdennye poroki serdtsa; klinika, diagnostika i khirurgicheskoe lechenie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 114 p. [In Georgian]
(DNLM)

GVETADZE, S.S. [Functional state of the central nervous system in thyrotoxicosis and the effect of treatment with radioactive iodine (I_{131})] Funktsional'noe sostoianie tsentral'noi nervnoi sistemy pri tireotoksikoze i vliianie na nee lecheniia radioaktivnym iodom (I_{131}). Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 98 p. [In Georgian]
(DNLM)

IVANOV, V.A., and M.N. MOLCHANOV. [Neurodystrophic lesions of the internal organs in chronic irritations of the vegetative nervous system] Neirodistroficheskie porazheniia vnutrennikh organov pri khronicheskom razdrazhenii vegetativnoi nervnoi sistemy. Moskva, Meditsina, 1964. 115 p.
(DNLM)

KARAEV, A.I., and A.G. DADASHEV. [Mechanism in hysteriosis] [illegible]. Baku, Azerbaidzhan SSR Elmler Akad. nashriiaty, 1963. [In Azerbaijani]
(DNLM)

[illegible], V.N. [Science of dental materials] Zubovrachebnoe materialovedenie. Moskva, Izd-vo "Meditsina," 1964. 232 p.
(DNLM)

KAZAKOVA, E.M. [Vitamins and their role in the human organism] Vitaminy i ikh rol' v organizme cheloveka. Cheboksary, Chuvashskoe gos. izd-vo, 1959. 39 p.
[DNLM MICROFILM]

KINGISEPP, GEORG. [Pharmacology] Farmakoloogia. Tallinn, Eesti Riiklik Kirjastus, 1963. 580 p. [In Estonian]
(DNLM)

KOLOMIITSEVA, M.G., and I.I. NEIMARK. [Goiter and its prevention] Zob i ego profilaktika. Moskva, Medgiz, 1963. 310 p.
(DNLM)

[illegible], S.L., and P.S. MAKAEV. [Angiography in surgery on the vessels of the extremities and the neck] Angiografiia v khirurgii sosudov konechnostei i shei. Moskva, Meditsina, 1964. 287 p.
(DNLM)

[illegible], P.A. [Sanatoriums in the outskirts of Kiev] Zdravnytsi okolytsi Kyieva. Kyiv, Derzh. med. vyd-vo URSR, 1959. 179 p.
(WAU)

KUCERA, JAN. [Surgery in hydrocephalus and [illegible]] Translated from the Czech. Khirurgiia gidrotsefalii i [illegible]. Prague, Gos. izd-vo med. lit., 1962. 221 p.
(DNLM)

KUCHERENKO, V.D. [Detection of pathogenic microbes in the external environment] Indikatsiia patogennykh mikrobov vo vneshnei srede. [Moskva] Izd-vo Mosk. univ., 1964. 139 p.
(DNLM)

KVITAISHVILI, SH. P. [Utilization of Digitalis ferruginea preparations in practical medicine] Ispol'zovanie preparatov [illegible] v prakticheskoi meditsine. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 133 p. [In Georgian]
(DNLM)

LAPANASHVILI, L.G. [Materials on dermatological terminology] Materialy k dermatologicheskoi terminologii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 130 p.

LAZO, D.I. [Virus diseases of the skin] Virusnye bolezni kozhi. Moskva, Meditsina, 1964. 31 p. (Populiarnaia meditsinskaia literatura)
(DNLM)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Organicheskogo sinteza institut. [Phenylin] Fenilin, sbornik statei. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 131 p.
(DNLM)

LENINGRAD. LENINGRADSKII NEIROKHIRURGICHESKII INSTITUT. [Problems and radioisotope techniques in neurosurgery; transactions] Problemy i radioizotopnye metody v neirokhirurgii; trudy. Pod red. V.M. Ugriumova. Leningrad, 1962. 257 p.
(DNLM)

LITANISHVILI, T.S. [Essays on clinical biochemistry] Ocherki po klinicheskoi biokhimii. Red. V.S. Asatiani. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 271 p. [In Georgian]
(DNLM)

MAMAMTAVRISHVILI, D.G. [Diseases of the veins] Bolezni ven. Moskva, Izd-vo "Meditsina," 1964. 183 p. (Biblioteka prakticheskogo vracha)
(DNLM)

MASHKILLEISON, L.N. [Treatment and prevention of skin diseases] Lechenie i profilaktika kozhnykh boleznei. 7., dop. i perer. izd. Moskva, Izd-vo "Meditsina," 1964. 543 p.
(DNLM)

MEDVEDEV, P.M. [Elephantiasis of the extremities and genitals] Slonovost' konechnostei i polovykh organov. [Moskva] Meditsina, 1964. 159 p.
(DNLM)

MEZHINSTITUTSKAIA KONFERENTSIIA MOLODYKH UCHENYKH, POSVIASHCHENNAIA 45-i GODOVSHCHINE VELIKOI OKTIABR'SKOI SOTSIALISTICHESKOI REVOLIUTSII. Aktual'nye voprosy klinicheskoi rentgenologii i radiologii; doklady. Current problems of clinical roentgenology and radiology. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1963. 135 p.
(DNLM)

MEZHOBLASTNAIA NAUCHNO-PRAKTICH
FERENTSIIA OFTAL'MOLOGOV KIROV
KRYMSKOI, NIKOLAEVSKOI, ODESSKO
SKOI OBLASTEI, 1963. [Abstracts of r
vered at the Interprovince Scientific and
ference of Ophthalmologists of Kirovogr
the Crimea, Nikolayev, Odessa, and Kh
inces, 1963] Tezisy dokladov. [Odessa
Izd-vo UkSSR [1963] 58 p.
[DNLM MI

MOSCOW. INSTITUT MEDITSINSKOI PARA
I TROPICHESKOI MEDITSINY. [Proble
parasitology; collection of scientific pap
meditsinskoi parazitologii; sbornik nauc
Pod red. V.N. Beklemisheva i M.G. Ras
1963. 408 p.
(DNLM)

MOSCOW. TSENTRAL'NYI INSTITUT USO
SHENSTVOVANIIA VRACHEI. [Problems of m
ology] Voprosy meditsinskoi radiologii.
1962. 260 p.

[MULTIVOLUME MANUAL ON SURGERY]
Mnogotomnoe rukovodstvo po khirurgii. Moskva, Izd-
tsina,"
Vol. 10. Petrovskii, B.V., and G.A. I
[Surgery on the peripheral nerves a
Khirurgiia perifericheskikh nervov
1964. 728 p.
(DNLM)

NABOKOV, V.A. [illegible]
[illegible]
skva, Izd-vo "Meditsina," 1964. 14 p. (
Populiarnaia meditsinskaia literatura)
(DNLM)

NAUCHNO-PRAKTICHESKAIA KONFERENTSII
PATOLOGOV I PSIKHIATROV PRIBALTI
RESPUBLIK, 1964. [Transactions of the
and Practical Conference of Neuropatholo
Psychiatrists of the Baltic Republics] Tru
M-vo zdravookhraneniia Latviiskoi SSR,
(DNLM)

NAUCHNO-PRAKTICHESKAIA KONFERENTSI
LOVSKOI GORODSKOI I OBLASTNOI SANI
EPIDEMIOLOGICHESKIKH STANTSII, 2d,
1961. [Materials of the Second Scientific an
Conference of Sverdlovsk City and Provin
and Epidemiological Stations] Materialy.
1962. 231 p.
[DNLM MI

NAZIROV, M.N. [Regional pathology of Aze
Azerbaijchanyn olke patolojiiasy, [illegible]
Baku, Azernashr, 1963. 289 p. [In Azerb
(DNLM)

NIKITIN, B.P., and M.Z. NEIMARK. [Pyro
[illegible] therapy of nervous disea
[illegible] terapii nervnykh zabolev
skva, Meditsina, 1964. 310 p.
(DNLM)

ODESSA. MEDITSINSKII INSTITUT. [Ca
circular flap in the clinic; collection of sc
papers] Filatovskii kruglyi stebel' v
klinike, sbornik nauchnykh rabot. Kiev, G
URSR, 1963. 363 p.
(DNLM)

PEREL'MAN, M.I., and M.Z. LIPTSER. [Ang
of the lungs in tuberculosis] Angiografiia
tuberkuleze. Novosibirsk, Izd-vo Sibirsk
niia AN SSSR, 1963. 115 p.
(DNLM)

PETRISHCHEVA, P.A., and N.G. OLSUF'EV.
[Methods of studying natural focus diseases
Metody izucheniia prirodnykh ochagov bolez
cheloveka. Moskva, Meditsina, 1964. 338
(DNLM)

PETROV, IU. V. [Cancer of the breast; its dia
clinical aspects and treatment] Rak molochn
zhelezy; diagnostika, klinika, lechenie. [L
Meditsina, 1964. 297 p.
(DNLM)

[POPULAR MEDICAL ENCYCLOPEDIA] Popul
Meditsinskaia Entsiklopediia. Glav. red. A. N
i F. N. Petrov. Chleny red. kollegii: L. IA. B
i dr. Moskva, sovet izd-va: A. P. Aleksandro
Moskva, Izd-vo "Sovetskaia Entsiklopediia,"
1282 columns. (Entsiklopedii, slovari, spra

RESPUBLIKANSKAIA NAUCHNAIA KONFERENTSIIA ENDOKRINOLOGOV ARMENII. 1st. [Materials of the reports of the First Republic Scientific Conference of Endocrinologists of Armenia] Materialy dokladov. Erevan, M-vo zdravookhraneniia Armianskoi SSR, 1963. 51 p.
[DNLM MICROFILM]

RIGA. REPUBLIKANISKA ZINATNISKA MEDICINAS BIBLIOTEKA. [Tuberculosis; bibliographical index of the Soviet literature for the period 1957-1960] Tuberkuloze; Padomju literaturas bibliografisks saraksts par 1957.-1960. gadiem. Tuberkulez; bibliograficheskii ukazatel' otechestvennoi literatury za 1957-1960 gody. Riga, 1962. 368 p.

S"EZD AKUSHEROV-GINEKOLOGOV UKRAINSKOI SSR. 3d, Kharkov, 1961. [Transactions of the Third Congress of Obstetricians and Gynecologists of the Ukrainian S.S.R.] Trudy. Kiev, Gosmedizdat, USSR 1962. 370 p.
(DNLM)

SHABANOV, A. N., ed. [Medical manual for feldshers] Meditsinskii spravochnik dlia fel'dsherov. Izd. 10, polnost'iu perer. [Moskva] Meditsina, 1964. 678 p.
(DNLM)

SHASHIKASHVILI, N. R. [The pride of Soviet public health; organization and development of maternal and infant welfare in Georgia. Gordost' sovetskogo zdravookhraneniia; organizatsiia i razvitie okhrany materinstva i mladenchestva v Gruzii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo,"] 1962. 205 p. [In Georgian]

(DNLM)

SHEVCHENKO, I. T., and V. I. GORODYSKII. [Polarography in medicine and biology] Poliarografiia v meditsine in biologii. Kiev, Gosmedizdat USSR, 1964. 133 p.
(DNLM)

SIKHARULIDZE, A. I. [Neurodynamic prerequisites of schizophrenic toxicosis. O neirodinamicheskikh predposylkakh shizofrenicheskogo toksikoza. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 86 p. [In Georgian]
(DNLM)

SIMBIRTSEVA, L. P. [X-ray diagnosis of cancer of the large intestine] Rentgenodiagnostika raka tolstoi kishki. [Leningrad] Meditsina, 1964. 140 p.
(DNLM)

SIRIIA, T. I. [Clinical aspects and treatment of acute pancreatitis. Klinika i lechenie ostrogo pankreatita. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 196 p. [In Georgian]
(DNLM)

SUKHAREV, V. I. [Physiotherapy and health resort treatment of skin diseases; including X-ray and radiotherapy] Fizioterapiia i kurortoterapiia kozhnykh boleznei; vkliuchaia rentgeno- i radioterapiiu. 3. isp. i dop. izd. Moskva, Medgiz, 1964. 262 p.
(DNLM)

SULTANOV, M. N. [Venomous bites; treatment and prevention] IAdovitye ukusy; lechenie i profilaktika. Moskva, Izd-vo "Meditsina," 1964. 63 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

SUROVIKIN, V. D. [Medical aid to victims of accidents in water] Meditsinskaia pomoshch' postradavshim na vode. Moskva, Izd-vo "DOSAAF," 1964. 133 p.
(DNLM)

TARASOVA, O. T. [How to protect children from colds; advice to parents] Tak oberegaiut detei ot prostudy; sovety roditeliam. Moskva, "Meditsina," 1964. 26 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

TARTAKOVSKII, M. B. [Fundamentals of clinical vectorcardiography] Osnovy klinicheskoi vektorkardiografii. [Leningrad] Meditsina, 1964. 434 p.
(DNLM)

UGRIUMOV, V. M., M. M. KRUGLYI, and E. N. VINARSKAIA. [Therapeutic gymnastics in injuries to the spine and spinal cord] Lechebnaia gimnastika pri povrezhdeniiakh pozvonochnika i spinnogo mozga. [Moskva] Meditsina, 1964. 182 p.
(DNLM)

UKRAINSKAIA NAUCHNO-PRAKTICHESKAIA KONFERENTSIIA KHIRURGOV DETSKOGO VOZRASTA. 1st. [Problems in pediatric surgery; transactions] Problemy khirurgii detskogo vozrasta; trudy. Kiev, Gosmedizdat USSR, 1963. 267 p.
(DNLM)

VANKER, H., E. VEINPALU, and L. VERNIK, comps. [Health resorts of the Estonian S.S.R.] Eesti NSV kuurordid. Tallinn, Eesti Riiklik Kirjastus, 1963. 141 p. [In Estonian]

VOLIN, E. M. [Peripheral cancer and circumscribed formations in the lungs; clinical X-ray diagnosis] Perifericheskii rak i sharovidnye obrazovaniia v legkikh; kliniko-rentgenologicheskaia diagnostika. Moskva, Izd-vo "Meditsina," 1964. 189 p.
(DNLM)

ZEFIROVA, G. S. [Addison's disease] Addisonova bolezn'. Moskva, Medgiz, 1963. 238 p.
(DNLM)

ZHOROV, I. S. [General anesthesia; a handbook for anesthesiologists and surgeons] Obshchee obezbolivanie; rukovodstvo dlia vrachei-anesteziologov i khirurgov. Moskva, Izd-vo "Meditsina," 1964. 685 p.
(DNLM)

ZMEEV, G. IA., ed. [Practical disinfection; the Leningrad system of handling epidemic focuses from a single center] Prakticheskaia dezinfektsiia; Leningradskaia sistema obsluzhivaniia epidochagov iz edinogo tsentra. [Leningrad] Izd-vo "Meditsina," 1964. 191 p. (Biblioteka prakticheskogo vracha)
(DNLM)

ZOLOTOV, P. A., ed. [Problems in hygiene in eastern Transbaikalia; scientific and practical works] Voprosy gigieny v Vostochnom Zabaikal'e; sbornik nauchno-prakticheskikh rabot. Chita, Chitinskii, gos. med. in-t, 1962. 297 p.

ZURABASHVILI, A. D. [Clinical psychiatry. Klinicheskaia psikhiatriia. Tbilisi, Gos. izd-vo "TSodna"] 1963. 454 p. [In Georgian]
(DNLM)

15. AGRICULTURE

ABKHAZAVA, A. A. [Preparing seed corn for planting. Podgotovka kukuruznykh semian k posevu. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1962. 53 p. [In Georgian]
(DNAL)

AGABEILI, A. A. [Buffalo raising; textbook for an agricultural institute] Chamyshchylyg; kend teserrufaty institutu uchun. Baky, Azerbaichan Dovlet Tedris-Pedagozhi Edebiiiaty Neshriiiaty, 1964. 178 p. [In Azerbaijani]
(DNAL)

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Biologicheskii institut. [The water rat and its control in Western Siberia] Vodianaia krysa i bor'ba s nei v Zapadnoi Sibiri. Otv. red. A. P. Kuziakin. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 476 p.
(ICMILC)

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut khimii. [Polymeric and humic preparations in the national economy] Polimernye i guminovye preparaty v narodnom khoziaistve. Tashkent, Izd-vo "Nauka" UzSSR, 1964. 176 p.

AKHMEDBEILI, KH. I. [Obtaining high yields of green tea leaves] IUksek iashyl chai iarpagy mehsulunun alynmasy; Lenkeran raionunun "Pravda" kolkhozu. Baky, Azerneshr, 1963. 38 p. [In Azerbaijani]
(DNAL)

AKHMEDOV, M. I., and M. A. SHUSHALY. [How we obtain high wheat yields; the Lenin Collective Farm of the Kazakh Regional Administration] Biz neche iuksek bugda mehsulu koturuiuk; Gazakh istehsalat idaresinin Lenin adyna kolkhozu. Baky, Azerneshr, 1964. 21 p. (Kend teserrufatynda gabagchyl techrube) [In Azerbaijani]
(DNAL)

AKHMEDZADE, A. D. [How to grow house plants] Otag bitkileri. Baky, Azerneshr, 1964. 27 p. [In Azerbaijani]
(DNAL)

ALI-ZADE, M. A. [Physiology of the tea plant] Fiziologiia chainogo kusta. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 221 p.
(DNAL)

ALIEV, S. A. [Organic matter and fertility of soils in Azerbaijan] Azerbaichan torpaglarynyn uzvi maddesi ve munbitliii. Baky, Azerneshr, 1964. 182 p. [In Azerbaijani]

ARARATIAN, A. G. [Weeds of Armenia; a guide to weeds in cultivated lands. Sornye rasteniia Armenii; opredelitel' sorniakov vozdelyvaemykh ugodii. Erevan, Armianskoe gos. izd-vo] 1963. 257 p. [In Armenian]
(DNAL)

BADRISHVILI, G. M. [Potato growing in Georgia. Kul'tura kartofelia v Gruzii. Tbilisi, Gos. izd-vo "TSodna" M-va kul'tury Gruzinskoi SSR] 1963. 203 p. [In Georgian]
(DNAL)

BAKHRAMOV, A. B. [Sorgo growing in Azerbaijan] Azerbaichanda sorgo bitkisinin becherilmesi. Baky, Azerbaichan SSR Elmler Akademiiasy Neshriiiaty, 1963. 62 p. [In Azerbaijani]
(DNAL)

BREGVADZE, G. S. [Forest plantations. Lesnye kul'tury. Tbilisi, Gos. izd-vo "TSodna,"] 1963. 268 p. [In Georgian]
(DNAL)

CHANISHVILI, SH. SH. [Translocation of assimilates in grapevine] Peredvizhenie assimiliatov v vinogradnoi loze. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 102 p.
(DNAL)

CHERNIGOVSKII, I. P., and K. I. ANTIPIN. [Masters of deep-sea seining with snurrevards from Ust'-Kamchatsk] Ust'-kamchatskie mastera glubokovodnogo sniurrevodnogo lova. Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 20 p.
[MICROFILM]

CHERNIKOV, B. P. [Technology of the surface or layer method of procuring peat fertilizers] Tekhnologiia poverkhnostno-posloinoi zagotovki torfianykh udobrenii. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 35 p.
[DNAL MICROFILM]

CHESHEV, L. S. [Growth of Shrenk spruce stands] Khod rosta nasazhdenii eli Shrenka. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 36 p.
(DNAL)

[CORN PESTS AND DISEASES] Vrediteli i bolezni kukuruzy. 2. izd. [Moskva] Sel'khozizdat, 1963. 34 p.
(DNAL)

DAVITURI, R. V. [Zakariia Archevnishvili, an advanced machinery operator. Peredovoi mekhanizator Zakariia Archevnishvili. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 31 p. [In Georgian]
(DNAL)

[DESIGNING AND BUILDING FISH FARMS AND FISH HATCHERIES] Proektirovanie i stroitel'stvo rybovodnykh khoziaistv i zavodov. [By] B. A. Kaspin i dr. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 365 p.

DIIAROV, K. D. [Animal husbandry in Kazakhstan] Zhivotnovodstvo Kazakhstana. Alma-Ata, Kazsel'khozgiz, 1963. 349 p.
(DNAL)

DOROSINSKII, L. M., ed. [Role of micro-organisms in soil fertility and the increase of the effectiveness of fertilizers] Rol' mikroorganizmov v plodorodii pochv i povyshenii effektivnosti udobrenii. Leningrad, Izd-vo "Kolos," 1964. 126 p.
(DNAL)

DZHALABADZE, G. V. [Farming in Pshava and Khevsureti. Zemledelie v Pshavi i Khevsureti. Tbilisi] 1963. 79 p. [In Georgian]
(DNAL)

DZHORBENADZE, A. V., and V. G. MAMATELASHVILI. [Fundamental techniques of pathoanatomical dissection of farm animals. Osnovy tekhniki patanatomicheskogo vskrytiia sel'skokhoziaistvennykh zhivotnykh. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry "TSodna"] 1962. 290 p. [In Georgian]
(DNAL)

GADZHIEV, IA. Z. [Ways of intensifying the agriculture of Azerbaijan] Azerbaichan kend teserrufatynyn intensivleshdirilmesi iollary. Baky, Azerneshr, 1964. 65 p. [In Azerbaijani]
(DNAL)

GADZHIEV, O.M. [Companion cropping of corn] Gargydalynyn sykhlashdyrylmysh ekinleri. Baky, Azerneshr, 1964. 38 p. [In Azerbaijani]
(DNAL)

GALAKHOV, P.N., and A.A. KHUMAROVA. [New poisonous chemicals for protecting farm crops against pests and diseases] Novye iadokhimikaty [dlia zashchity sel'skokhoziaistvennykh kul'tur ot vreditelei i boleznei. n.p.] Vystavka dostizhenii narodnogo khoziaistva SSSR [n.d.] 22 p.
(DNAL)

GASANOV, M.I., and D.KH. HATIFOV. [Treatment of surgical diseases in farm animals] Heivanlarda cherrahi khestelikleri mualichesi. Baky, Azerneshr, 1963. 64 p. [In Azerbaijani]
(DNAL)

GASHIMOV, H.F. [Reducing the cost of tractor work on collective farms] Kolkhozlarda traktor ishlerinin maia deieri [illegible] azaldylmasy. Baky, Azerneshr, 1964. 29 p. [In Azerbaijani]
(DNAL)

GINZBURG, A.G. [Veterinary medicine in the service of man] Veterinariia sluzhit cheloveku. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 2)

GONCHAROV, N.P., and O.A. NIKIFOROV [Green forage in winter] Zelenyi korm zimoi. Leningrad, Izd-vo "Kolos," 1964. 70 p.
(DNAL)

GOZALISHVILI, V.KH. [New and old methods of management in agriculture] [illegible] sel'skom khoziaistve. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 54 p. [In Georgian]
(DNAL)

[GRAIN AND FODDER HARVESTING MACHINES; textbook for rural vocational schools] [illegible] Baky, Azerbaidzhanskoe, 1964. 180 p. [In Azerbaijani]
(DNAL)

GRIGORIAN, S.D. [Practices in the improvement of the productivity of sheep on the [illegible] Collective Farm] [illegible] Erevan, Armianskoe gos. izd-vo, 1963. 43 p. [In Armenian]
(DNAL)

GUSEINOV, R.K. [Agrochemical characterization of soils and fertilization of rice fields in [illegible]] Agrokhimicheskaia kharakteristika pochv i udobrenie risovykh polei [illegible] Baky, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 133 p.
(DNAL)

[I.V. MICHURIN IN THE RECOLLECTIONS OF HIS CONTEMPORARIES] I.V. Michurin v vospominaniiakh sovremennikov. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 214 p.

KASIMOV, A.A., and IU.I. KAUMOV [New machines for overall mechanization of cotton growing] Novye mashiny dlia kompleksnoi mekhanizatsii khlopkovodstva. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1961. 74 p.
[MICROFILM]

KAZAKHSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESNOGO KHOZIAISTVA. [Review of scientific research work for 1961] Obzor nauchno-issledovatel'skikh rabot za 1961 god. Alma-Ata, Kazakhskoe gos. izd-vo sel'khoz. lit-ry, 1962. 39 p.
[DNAL MICROFILM]

KETSKHOVELI, N.N., and SH.G. NAKHUTSRISHVILI [Grass varieties, grasslands and weed plants in the hayfields and pastures of Georgia] Kormovye travy, [illegible] i sornye rasteniia senokosov i pastbishch Gruzii. Tbilisi] 1963. 55 p. [In Georgian]
(DNAL)

KHABAROVSK. DAL'NEVOSTOCHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOGO KHOZIAISTVA. [Contributions of science to agriculture; collection of agricultural information of scientific institutions in the Far East] Nauka - sel'skomu khoziaistvu; sbornik sel'skokhoziaistvennoi informatsii nauchnykh uchrezhdenii Dal'nego Vostoka. Khabarovsk, 1962. 35 p.
[DNAL MICROFILM]

KIKABIDZE, I.G. [Use of mechanization in controlling pests and diseases of farm crops] Ispol'zovanie mekhanizatsii po bor'be s vrediteliami i bolezniami sel'skokhoziaistvennykh kul'tur. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 41 p. [In Georgian]
(DNAL)

KIKACHEISHVILI, B.M. [Studying the grape varieties of Kartli] K izucheniiu sortov vinograda Kartli. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 260 p. [In Georgian]
(DNAL)

KOBAIDZE, A.A. [People of Zemo-Kedi on the new road] Zemokedtsy na novom puti. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 63 p. [In Georgian]

KUDRIAVTSEVA-MOLOCHNIKOVA, L.P. [History of an apple tree, true stories on the wonderful life of a fruit tree] Istoriia odnoi iabloni; pravdivye rasskazy ob udivitel'noi zhizni plodovogo dereva. [Moskva] Molodaia gvardiia, 1964. 120 p.
(DNAL)

KULIEV, I.I. [Growing early potatoes in the Apsheron Peninsula] Tezetishen kartof [illegible] Absheronda [illegible] Baky, Azerneshr, 1963, 52 p. [In Azerbaijani]
(DNAL)

LEKVEISHVILI, L.K. [illegible] Tbilisi, Gos. izd-vo [illegible] 1962. 263 p. [In Georgian]
(DNAL)

LUARSABISHVILI, G.D. [Surface seeding of seeds] [illegible] Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 42 p. [In Georgian]
(DNAL)

MAKAROVA, M.M., ed. [illegible] Leningrad, Izd-vo "Kolos," 1964. 91 p.
(DNAL)

MAKHMUDOV, A.M. [Feeding in sickness and health from the point of view of pathology] [illegible] Baky, 1963. 35 p. [In Azerbaijani]

MEDVEDEVA, P.F. [Accelerated multiplication of the seeds of meadow and pasture grasses] Uskorennoe razmnozhenie semian lugopastbishchnykh trav. Leningrad, Izd-vo "Kolos," 1964. 13 p.
(DNAL)

MELIKIAN, S.I. [Little known communicable diseases of farm animals] [illegible] sel'skokhoziaistvennykh zhivotnykh. Erevan, Armianskoe gos. izd-vo, 1963. 139 p. [In Armenian]
(DNAL)

MIL'SHTEIN, V.V. [Improvement in the technique of [illegible]] [illegible] Moskva, Izd-vo [illegible] 1964. 22 p. [illegible]

MOSCOW. GOSUDARSTVENNYI UNIVERSITET IM. M.V. LOMONOSOVA. Geograficheskii fakul'tet. [Method for studying the economic land utilization for compiling large scale maps, seminar on agricultural geography] Metodika izucheniia khoziaistvennogo ispol'zovaniia zemel' dlia sostavleniia krupnomasshtabnykh kart, seminar po geografii sel'skogo khoziaistva. Moskva, 1962. 39 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Physical and mechanical properties of soils and plants; collection of works of the All-Union Scientific Research Institute of Agricultural Machinery] Fiziko-mekhanicheskie svoistva pochvy i rastenii; sbornik trudov VISKhOM. Moskva, 1963. 145 p.
[DNAL MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROTEKHNIKI I MELIORATSII. [Irrigation of cotton by sprinkling; according to the materials of the Field Session of the Academic Council of the All-Union Research Institute for Hydraulic Engineering and Melioration, July 15-17, 1962, on the "Pakhta-Aral" State Farm] Oroshenie dozhdevaniem khlopchatnika; po materialam Vyezdnoi sessii Uchenogo Soveta VNIIGiM, 15-17 iiulia 1962 goda v sovkhoze "Pakhta-Aral" (Kazakhskaia SSR). Pod red. P.S. Ryzhova. Moskva, 1963. 171 p.
[illegible]

MUSTAFAEV, I.D. [Azerbaijan is the native country of many wheat species] Azerbaijan bir chokh bugda novlerinin vetenidir. Baky, Azerneshr, 1964. 43 p. [In Azerbaijani]
(DNAL)

NAKHUTSRISHVILI, SH.G. [Efficient methods of the use of winter and summer pastures in Georgia] Ratsional'nye priemy ispol'zovaniia zimnikh i letnikh pastbishch Gruzii. Tbilisi] 1962. 48 p. [In Georgian]
(DNAL)

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO LESNOI PROMYSHLENNOSTI I LESNOGO KHOZIAISTVA. Irkutskoe oblastnoe pravlenie. [Manual for a master tapper] Rukovodstvo mastera podsochki. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 140 p.
[DNAL MICROFILM]

NEMSADZE, G.P. [Californian magician] Kaliforniiskii volshebnik. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo" 1963. 30 p. [In Georgian]

[ORGANIZATION AND PLANNING OF FOREST MANAGEMENT IN FOREST WORKING CIRCLES AND LOGGING CAMPS] Organizatsiia i planirovanie lesokhoziaistvennoi deiatel'nosti leskhozov i lespromkhozov. [By] V.I. Dekhkovich i dr. Moskva, Goslesbumizdat, 1963. 262 p.
(MH)

[ORGANIZERS OF ABUNDANCE TELL THEIR STORY] Rasskazyvaiut organizatory obiliia. Tbilisi, "Sabchota Sakartvelo" 1964 91 p. [In Georgian]
(DNAL)

OSEPAISHVILI, A.A. [Overall mechanization of vine culture and fruit plantations] Kompleksnaia mekhanizatsiia vozdelyvaniia vinogradnikov i plodovykh nasazhdenii. Tbilisi, Izd-vo Gruzinskogo sel'khoz. in-ta] 1962. 401 p. [In Georgian]
(DNAL)

PAVDENKOS, M.V. [Wild rose] Shipovnik. Moskva, Goslesbumizdat, 1963. 135 p.
(DNAL)

PASHI, P.E. [Fishing with light] Lov ryby na svet. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963, 35 p. (Biblioteka rybaka)

PLESNIK, N.IA. [Methods for the introduction of [illegible] forage plants into cultivation] [illegible] v kul'turu [illegible] rastenii. [illegible] 1963, 90 p.
(DNAL)

RAKHMILOVA, M.A., and N.N. KHUDYKOV. [Effectiveness of mineral fertilizers in the irrigated meadows of the Buryat A.S.S.R.] Effektivnost' mineral'nykh udobrenii na oroshaemykh lugakh Buriatskoi ASSR. Ulan-Ude, [illegible] 1962 124 p.
(DNAL)

RATNIKOV, A.I. [Soils in the upper reaches of the Kama and the Vyatka] [illegible] knizhnoe izd-vo, 1963, 156 p.

[illegible], G.A. [illegible] on collective farms of the mountain zone of Georgia. [illegible] Tbilisi, Gruzinskii sel'khoz. in-t] 1963. 55 p. [In Georgian]
(DNAL)

RUSSIA (1917- R.S.F.S.R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Instructions for the use of airplanes in forest fire protection] Instruktsiia po aviatsionnoi okhrane lesov ot pozharov. Moskva, Goslesbumizdat, 1963 31 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. [Sugar beet varieties and hybrids] Sorta i gibridy sakharnoi svekly. Moskva, Sel'khozizdat, 1963. 16 p.
(DNAL)

SADYGOV, K.A. [Constant intensification is the main line for increasing collective farm production] [illegible] kolkhoz istehsalynyn [illegible] Baky, Azerneshr, 1963. 57 p. [In Azerbaijani]
(DNAL)

SADYKHOV, I.A. [Fascioliasis of farm animals and measures for controlling it] Kend teserrufaty heivanlarynda fastsiolioz ve onunla mubarize. Baky, Azerbaijan SSR Elmler Akademiiasy neshriiiaty, 1963. 23 p. [In Azerbaijani]
(DNAL)

DONETSK. DONETSKII NAUCHNO-ISSLEDOVATEL'SKII UGOL'NYI INSTITUT. [Selecting systems of multiple-horizon mining of flat seams in the Donets Basin] Vybor skhem sovmestnoi razrabotki pologikh plastov Donbassa. Moskva, Gosgortekhizdat, 1963. 156 p.

DONETSKUGOL', KOMBINAT. [Organization of operations in stopes on flat seams] Organizatsiia truda v ochistnykh zaboiakh na pologikh plastakh. Moskva, Izd-vo "Nedra," 1964. 69 p.

DOVZHIK, V. G., and L. A. KAISER. [Keramzit concrete for building and insulating in large-panel apartment house construction; technology and manufacturing practices] Konstruktivno-teploizoliatsionnyi keramzitobeton v krupnopanel'nom domostroenii; tekhnologiia i opyt proizvodstva. Moskva, Stroiizdat, 1964. 179 p.

DRUKOVANYI, M. F., and others. [Blasting high benches] Vzryvanie vysokikh ustupov. Moskva, Izd-vo "Nedra," 1964. 105 p.

DUDNIK, A. I. [Worsted wool spinning] Grebennoe priadenie shersti. Pod red. I. V. Budnikova. Moskva, Izd-vo "Legkaia industriia," 1964. 294 p.

DVORIN, R. S. [Planning of assembling and special construction operations] Planirovanie montazhnykh i spetsial'nykh stroitel'nykh rabot. Moskva, Stroiizdat, 1964. 120 p.

DZHALILOV, KH. I. [Problems of the raw materials basis of the woodpulp industry] Problemy syr'evoi bazy tselliulozno-bumazhnoi promyshlennosti. Izd. 2., perer. i dop. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 258 p.

EESTI NSV TEADUSTE AKADEEMIA. Keemia Instituut. [Synthetic detergents from shale oil] Sinteticheskie moiushchie veshchestva iz slantsevoi smoly. [By] Kh. IU. Voore i dr. Tallin, Estgosizdat, 1964. 257 p.

EFIMOV, I. E. [Radiofrequency transmission lines] Radiochastotnye linii peredachi. Moskva, "Sovetskoe radio," 1964. 599 p.

EIGELES, M. A. [Principles of flotation of nonsulfide minerals] Osnovy flotatsii nesul'fidnykh mineralov. Izd. 2., perer. i dop. Moskva, Izd-vo "Nedra," 1964. 406 p.

EIGENBROT, V. M. [Multichannel control of technological processes as a means for decreasing expenditures and increasing the reliability of automatic control systems] Mnogokanal'noe regulirovanie tekhnologicheskikh protsessov kak sredstvo sokrashcheniia zatrat i povysheniia nadezhnosti sistem avtomaticheskogo regulirovaniia. Moskva, Vses. zaochnyi in-t pishchevoi promyshl., 1963. 20 p.

[MICROFILM]

[ELECTRICIAN OF RURAL ELECTRICAL SYSTEMS] Elektromekhanik sel'skikh elektroustanovok. [By] V. N. Lobanov i dr. Izd. 4., ispr. i dop. Moskva, Vysshaia shkola, 1964. 418 p.

EROKHIN, A. A. [Kinetics of metallurgical processes in arc welding] Kinetika metallurgicheskikh protsessov dugovoi svarki. Moskva, Izd-vo "Mashinostroenie," 1964. 252 p.

ESENOV, A. [Russian-Turkmen dictionary of building terms] Russko-turkmenskii slovar' stroitel'nykh terminov. Pod red. V. Kudratullaeva. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR. 1956. 245 p.

ESENOVSKII-LASHKOV, IU. K., and V. L. MARKOVNIKOV. [Structures of rear axles of motorbuses; trolleybuses and motortrucks; survey of foreign engineering] Konstruktsii zadnikh mostov avtobusov, trolleibusov i gruzovykh avtomobilei; obzor zarubezhnoi tekhniki. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroeniia, 1962. 65 p. (Seriia XII: Avtomobilestroenie)

[MICROFILM]

ETIN, A. O. [Kinematic analysis of the methods of metal cutting] Kinematicheskii analiz metodov obrabotki metallov rezaniem. Pod red. A. P. Vladzievskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 321 p.

EVDOKIMOV, V. P. [Mechanized drives for lathe attachments] Mekhanizirovannye privody stanochnykh prisposoblenii. [Leningrad] Lenizdat, 1964. 176 p. (V pomoshch' molodym rabochim)

EVLANOV, V. N. [Manual for operators of asphalt pavers] Pamiatka mashinistu asfal'toukladchika. Moskva, Transport, 1964. 25 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

FAINGOL'D, S. I. [Synthetic cleaning compounds from petroleum and shale stock] Sinteticheskie moiushchie sredstva iz neftianogo i slantsevogo syr'ia. Leningrad, Nedra, 1964. 280 p.

FARADZHEV, T. G., D. M. MAKHMUDOV, and A. A. GUSEINOV. [Technology of boring viscous and plastic rock] Ozlu ve plastik sukhurlaryn gazylma tekhnolokiiasy. Baky, Azerneshr, 1963. 203 p. [In Azerbaijani]

FARIN, S. R. [Industrial aesthetics; a bibliographic index] Proizvodstvennaia estetika; bibliograficheskii ukazatel'. Minsk, Belorusskii respublikanskii sovet nauchno-tekhn. obshchestv, 1963. 38 p.
(CSt-H)

FARNIEVA, O. V., and A. I. TKACHENKO. [Methods of glue assemblage of shoe upper parts] Metody kleevoi sborki detalei verkha obuvi. Moskva, Izd-vo "Legkaia industriia," 1964. 141 p.

FARZALIEV, F. M., and V. T. TIMOFEEV. [Electric welder's handbook] Elektrik gainagchysynyn sorag kitabchasy. Baky, Azerbaichan Dovlet neshriiiaty, 1964. 183 p. [In Azerbaijani]

FEDOTOV, V. A. [Delicatessen] Gastronomicheskie tovary. Izd. 3., dop. i perer. Moskva, Ekonomika, 1964. 238 p.

FEL'DBAUM, A. A., ed. [Theoretical principles of communication and control] Teoreticheskie osnovy sviazi i upravleniia. [By] A. A. Fel'dbaum i dr. Moskva, Fizmatgiz, 1963. 932 p.

FILIMONOV, IU. F., and L. A. POZNIAK. [Forging by extrusion] Shtampovka pressovaniem. Moskva, Mashinostroenie, 1964. 187 p.

FISHER, G. S., and B. V. KLOCHKOV. [Prestressed bridges of manufactured elements] Predvaritel'no napriazhennye mosty iz elementov zavodskogo izgotovleniia. Moskva, "Transport," 1964. 140 p.

FISHMAN, SH. I. [Optical theodolites; textbook] Opticheskie teodolity; uchebnoe posobie. Pod red. IU. A. Gordeeva. Leningrad, Leningr. in-t inzhenerov zheldor. transp. im. V. N. Obraztsova, 1963. 11 p.
[MICROFILM]

[FOR THE OVERALL MECHANIZATION OF AGRICULTURAL PRODUCTION] Za kompleksnuiu mekhanizatsiiu sel'skokhoziaistvennogo proizvodstva. [Orel] Orlovskoe knizhnoe izd-vo, 1960. 97 p. (V pomoshch' mekhanizatoru)

[MICROFILM]

FREITSIS, I. D. [Centralized temperature regulation and control systems in manufacturing rubber and plastic articles] TSentralizovannye sistemy regulirovaniia i kontrolia temperatury pri proizvodstve izdelii iz reziny i plasticheskikh mass. Moskva, Izd-vo "Legkaia industriia," 1964. 121 p.

GAEVOI, E. V., and others. [Production of endocrine and enzymatic preparations in Hungary and Czechoslovakia] Proizvodstvo endokrinnykh i fermentnykh preparatov v Vengrii i Chekhoslovakii. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 47 p.

[MICROFILM]

GENDIN, G. S. [Stereophonic low-frequency amplifiers] Liubitel'skie stereofonicheskie usiliteli nizkoi chastoty. Moskva, Izd-vo "Energiia," 1964. 30 p. (Massovaia radiobiblioteka, no. 504)

GLADKII, V. I., M. I. LOBANOV, and N. A. SLAVCHENKO. [Power equipment, electrical equipment, and plumbing installations in construction; a manual] Energeticheskoe, elektrotekhnicheskoe i sanitarnotekhnicheskoe oborudovanie v stroitel'stve; spravochnik. Kiev, Gos. izd-vo po stroit. i arkhit. USSR, 1964. 870 p.

GOL'DENBERG, L. I. [Native alloy cast iron is an industrial potentiality] Prirodnolegirovannyi chugun - rezerv promyshlennosti. Moskva, Izd-vo "Metallurgiia," 1964. 110 p.

GOL'DENBERG, SH. A. [Equipment for the manufacture of wooden containers] Oborudovanie dlia proizvodstva derevianoi tary. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 411 p.

GOL'DGOF, B. G., IA. I. LEIBZON, and E. A. SOSKIN. [Automatic and remote control of the power supply networks of industrial enterprises] Avtomatizatsiia i telemekhanizatsiia energosnabzheniia promyshlennykh predpriiatii. Moskva, Izd-vo "Energiia," 1964. 279 p.

GOLUB', B. I. [Synthetic corundum and its application in industry; review of foreign techniques] Sinteticheskii korund i ego primenenie v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, Gos. nauchno-issl. in-t nauchnoi i tekhn. informatsii, 1962. 29 p.
[MICROFILM]

GONOROVSKII, I. S. [Radio circuits and signals] Radiotekhnicheskie tsepi i signaly. Moskva, Sovetskoe radio, 1963. 604 p.

GORBACHEV, T. F., and I. S. PATRUSHEV. [Coal-mining machinery and equipment] Ugledobyvaiushchie agregaty i kompleksy. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1964. 162 p.

GORLOVSKII, M. B. [Equipment of wire drawing and wire rope manufacturing shops] Oborudovanie provolochnykh i kanatnykh tsekhov. Moskva, Izd-vo "Metallurgiia," 1964. 255 p.

GOROKHOV, S. F. [Nonlinear and parametric processes] Nelineinye i parametricheskie protsessy. Moskva, Redaktsionno-izdatel'skii otdel VZEIS.
No. 2. [A manual for the course "Theoretical principles of radio engineering" for students of the fourth course of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radiotekhniki" dlia studentov 4 kursa radiotekhnicheskikh fakul'tetov. 1963. 87 p. (Lektsii po tekhnike sviazi)

GOROZHANKIN, V. I. [Brief handbook on the DT-75 tractor] Kratkii spravochnik po traktoru DT-75. Moskva, Izd-vo "Kolos," 1964. 316 p.

GORSHKOV, A. A., and M. V. VOLOSHCHENKO. [Cast crankshafts] Litye kolenchatye valy. Moskva, Izd-vo "Mashinostroenie," 1964. 104 p.

GORSKII, B. E., and IA. L. CHERNIAVSKII. [Modernization of cam mechanisms of machines] Modernizatsiia kulachkovykh mekhanizmov mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 97 p.

GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'NYKH MATERIALOV I IZDELII. [Sand-lime and gypsum materials and products] Silikatnye i gipsovye materialy i izdeliia. Kiev, Gosstroiizdat USSR, 1964. 104 p.

GOVORKOV, V. A. [A. C. networks with ferromagnetic cores] TSepi peremennogo toka s ferromagnitnymi serdechnikami; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 78 p.
[MICROFILM]

GOZENPUT, M. D., and D. P. SHUR. [Photorelay in the wood-using industries] Fotorele v derevoobrabatyvaiushchei promyshlennosti. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 30 p. (Derevoobrabotka)
[MICROFILM]

GREBENSHCHIKOV, V. I. [Axonometric projections; manual on carrying out and drawing up the course assignment in mechanical drawing] Aksonometricheskie proektsii; uchebnoe posobie po vypolneniiu i oformleniiu kursovykh zadanii po tekhnicheskomu chercheniiu. Moskva, Mosk. poligraficheskii in-t, 1963. 26 p.
[MICROFILM]

GRECHISHNIKOV, N. P. [Methods of studying the material composition of solid fuel minerals] Metody issledovaniia veshchestvennogo sostava tverdykh goriuchikh iskopaemykh. Moskva, Izd-vo "Nedra," 1964. 214 p.

GRIGOR'IANTS, A. N. [Present-day atomic power engineering; new atomic power plants] Atomnaia energetika segodnia; novye atomnye elektrostantsii. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 7)

GRODNEV, I.I. [Transmission of electromagnetic energy using directional systems] Peredacha elektromagnitnoi energii po napravliaiushchim sistemam. Moskva, Izd-vo "Sviaz'," 1964. 53 p. (Lektsii po [illegible])

GRUDI[illegible], A.E., and V.I. [illegible]. [Automatic loading and unloading devices of woodworking machines for processing, assembling and panel parts] Avtomaticheskie zagruzochnye i razgruzochnye ustroistva k derevoobrabatyvaiushchim stankam dlia obrabotki [illegible] detalei, [illegible] Leningrad,
No. 1. 1964. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

GRUZIN, P.L., and others. [Use of radioactive isotopes for the control of [illegible] processes] [illegible] Moskva, Atomizdat, 1963. [illegible] p.

GU[illegible], D.D., O.S. [illegible], and A.A. [illegible]. [Castings of high melting metals] Lit'e iz tugoplavkikh metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 204 p.

GULIAEV, V.I. [Automatic apparatus for treating parts before varnishing] Avtomaticheskaia ustanovka dlia podgotovki detalei [illegible] Moskva, [illegible] 1963. 16 p. [illegible]
(MICROFILM)

[illegible], S.IU. [illegible] [illegible] 1963. [illegible] (In Azerbaijani)

[illegible], A.M., and [illegible]. [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible], V.D., and [illegible]. [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible], I.A., [illegible]. [illegible] (In Azerbaijani)
[illegible] 1964. [illegible]

[illegible], M.M. [illegible] Moskva, [illegible] 1963. [illegible] p.
(MICROFILM)

[illegible] [illegible] Moskva, [illegible]
Vol [illegible] 1964 [illegible] p.

[illegible] [illegible] Moskva, Transport, 1964. [illegible] p.

[illegible], I.M. [Problems in overall mechanization and the power method] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible], R.A. [Irrigation structures] [illegible] Baku, Azerneshr, 1964. [illegible] p. (In Azerbaijani)

[illegible], A.M., A.A. [illegible], and [illegible]. [Construction on a plane] [illegible] Baku, Azerneshr, 1963. [illegible] p. (In Azerbaijani)

[illegible], I.I. [Maintenance and repair of automobile roads] [illegible] Izd. 2., perer. i dop. Moskva, Avtotransizdat, 1963. [illegible] p.

[illegible], V.M. [Bearing Signal] [illegible] Izd. 2., perer. i dop. [illegible] Moskva, Izd-vo DOSAAF, 1964. [illegible] p.

IL'INA, E.V., and V.M. GOL'TFARB. [Mutual effect of elements in the spectrum analysis of powder samples in a carbon arc] Vzaimnoe vliianie elementov pri spektral'nom analize poroshkovykh prob v ugol'noi duge. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metody i pribory kontrolia, ispytaniia materialov, detalei i mekhanizmov, no. 5)

ILIKOVICH, D.M. [Durability and wear of iron mill rolls] Stoikost' i iznos prokatnykh valkov. Moskva, Izd-vo "Metallurgiia," 1964. [illegible] p.

[illegible], Z.M., and A.I. [illegible]. [illegible] Moskva, Izd-vo "Nedra," 1964. 52 p.

[illegible], M.I. [Design and installation of the [illegible] with increased steam parameters] [illegible] Moskva, [illegible]
No. [illegible] 1963. [illegible] p.
(MICROFILM)

[illegible] [illegible] [Reports] [illegible] Moskva, [illegible]
Vol. 5. 1965.
(Vol.)

[illegible], A.A. [The study of food [illegible]] [illegible] Baku, [illegible] 1963. [illegible] p. (In Azerbaijani)

[illegible], V.M. [Automation] [illegible] [illegible] p.
(MICROFILM)

[illegible], A.A., and [illegible]. [illegible] 1963. [illegible] p.

[illegible], V.M. [illegible] Moskva, Nedra, 1964. [illegible] p.

[illegible], V.S., [illegible], and [illegible]. [illegible] Moskva, [illegible]
No. [illegible] 1964. [illegible] p.

[illegible], I.V. [illegible] (MICROFILM [illegible])

[illegible], V.D., and [illegible]. [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible], A.A. [Manual for operators of [illegible]] [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible], G.N., V.G. [illegible], and [illegible]. [illegible] [illegible] 1964. [illegible] p.

[illegible] VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT [illegible]. [Improvement of safety equipment, dust removing systems, and waste removal from [illegible] machines] [illegible] Moskva, 1963. [illegible] p. [illegible]
(MICROFILM)

[illegible], O.M. [Underground storage of liquefied hydrocarbon gases] [illegible] Izd. 2., perer. i dop. Moskva, "Nedra," 1964. [illegible] p.

KAGAN, B.M., and T.M. TER-MIKAELIAN. [Solution of engineering problems using digital computers] Reshenie inzhenernykh zadach na tsifrovykh vychislitel'nykh mashinakh. Izd. 2., [illegible] Moskva, Izd-vo "Energiia," 1964. [illegible] p.

KAGAN, D.F. [Pipelines made of solid polyvinyl chloride] Truboprovody iz tverdogo polivinilkhlorida. Moskva, Izd-vo "Khimiia," 1964. 270 p.

KAGAN, D.F. [Properties and calculation of polyethylene pipes used in water supply] [illegible] Moskva, Stroiizdat, 1964. [illegible] p.

KAGANOVSKII, IA.D. [Manual for operators of [illegible]] [illegible] Moskva, Transport, 1964. [illegible] p. [illegible]

KAGRAMOV?, H.G., and [illegible]. [Operator's helper] [illegible] Baku, Azerneshr, 1963. 136 p. (In Azerbaijani)

KAKLAN?, [illegible], and [illegible]. [Repair of [illegible]] [illegible] Moskva, [illegible] 1964. [illegible] p. [illegible]

KALAIDZ?, A.I. [illegible] Moskva, Izd-vo "Mashinostroenie," 1964. [illegible] p.

KALIMAGOV?, M.G., and [illegible]. [Automatic telephony] Avtomaticheskaia telefoniia. Moskva, Sviaz'izdat, 1963. [illegible] p.
[illegible]

[illegible], V.A. [illegible] Moskva, [illegible] 1964. [illegible] p.

KASUMOV?, A.K. [illegible] [illegible] Azerneshr, 1963. [illegible] p. (In Azerbaijani)

[illegible], N.D. [illegible] Baku, Azerneshr, 1963. [illegible] p.

[illegible], A.A. [Automatic block system, cab signaling, and automatic stop devices] [illegible] Moskva, Izd-vo "Transport," 1964. [illegible] p. [illegible]

[illegible], N.V., and [illegible]. [illegible] Moskva, [illegible] 1963. [illegible] p. [illegible]

[illegible], G.[illegible] [Use of new materials in the [illegible] in Finland] [illegible] Moskva, [illegible] 1963. [illegible] p. [illegible]
(MICROFILM)

KHAL'FAN, IU.A., and V.S. [illegible]. [Repair of the "Moskvich" automobile (models 407 and 403)] Remont avtomobilei "Moskvich" (modeli 407 i 403). Izd. 2., [illegible] Moskva, Transport, 1964. [illegible] p.

KHRAMOV, IU.V. [How scientific discoveries are made, the genesis of experimental discoveries] [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] p. (Nauchno-populiarnaia seriia)

[illegible], G.K. [Installation and repair of compressors] [illegible] Moskva, Izd-vo "Nedra," 1964. [illegible] p.

[illegible], K.K., and [illegible]. [illegible] [illegible] Vyd-vo Akad. nauk URSR, 1963. [illegible] p. [illegible]

[illegible], B.I. [Transformer repair electrician] [illegible] Moskva, Vysshaia shkola, 1964. 270 p.

KIEV. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ORGANIZATSII I MEKHANIZATSII STROITEL'NOGO PROIZVODSTVA. [Album on the technical maintenance of the K-51 automobile crane] Al'bom tekhnicheskogo obsluzhivaniia avtokrana K-51. Moskva, Stroiizdat, 1964. 119 p.

KIRKO, I. M. [Liquid metal in an electromagnetic field] Zhidkii metall v elektromagnitnom pole. Moskva, Izd-vo "Energiia," 1964. 159 p.

KLAVDIN, D. V. [Irrigation technique] Tekhnika orosheniia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 7)

KLIUCHANSKII, G. G. [Characteristics of the commercial estimation of the resources of trace elements in nonferrous metal deposits] Osobennosti promyshlennoi otsenki zapasov rasseiannykh elementov mestorozhdenii tsvetnykh metallov. Moskva, Izd-vo "Nedra," 1964. 52 p.

[KNIT GOODS] Trikotazhnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1963. 655 p. (SSSR. Gosudarstvennye standarty)

KONOVALOV, O. M. [Semiconductor materials] Poluprovodnikovye materialy. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 212 p.

KONOVALOV, P. G., V. V. ZHEBROVSKII, and V. V. SHNEIDEROVA. [Laboratory work on the chemistry of film-forming substances and on the technology of coatings and paints] Laboratornyi praktikum po khimii plenkoobrazuiushchikh i po tekhnologii lakov i krasok. [IAroslavl'] Rosvuzizdat, 1963. 202 p.

KOORDINATSIONNOE SOVESHCHANIE PO METODIKE LABORATORNYKH ISSLEDOVANII DEFORMATSII I PROCHNOSTI BETONA, ARMATURY I ELEMENTOV ZHELEZOBETONNYKH KONSTRUKTSII, 1961. [Methods of laboratory research in the deformation and strength of concrete, reinforcements, and reinforced concrete structures; transactions] Metodika laboratornykh issledovanii deformatsii i prochnosti betona, armatury i zhelezobetonnykh konstruktsii; trudy. Pod red. V. V. Makaricheva. Moskva, Gosstroiizdat, 1962. 333 p.

KOSHKA, A. P., and V. N. BRINZA. [Equipment of cold rolling mills] Oborudovanie tsekhov kholodnoi prokatki. Moskva, Izd-vo "Metallurgiia," 1964. 208 p.

KOSTYKOV, IU. V. [Design principles of applied television systems and apparatus] Osnovy proektirovaniia sistem i apparatury prikladnogo televideniia. Moskva, Izd-vo "Energiia," 1964. 255 p.

KOT, A. A. [Water treatment and the water system of atomic electric-power plants] Vodopodgotovka i vodnyi rezhim atomnykh elektrostantsii. Moskva, Atomizdat, 1964. 345 p.

KOVAL', B. A., and P. K. GUBSKII. [Centrifuge operator of a coal preparation plant] TSentrifugovshchik ugleobogatitel'noi fabriki. Moskva, Izd-vo "Nedra," 1964. 77 p. (Bibliotechka molodogo obogatitelia)

KOVAL'CHUK, L. M., E. N. BASKAKIN, and A. S. BELOZEROVA. [Mechanized dovetail gluing of wood] Mekhanizirovannoe skleivanie drevesiny na zubchatyi ship. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 43 p. (Derevoobrabotka)
[MICROFILM]

KOVALEV, A. N. [Innovators' councils] Sovety novatorov. Moskva, Izd-vo "Znanie," 1964. 75 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 3)

KOZLOV, L. V. [In the fight for technical progress] V bor'be za tekhnicheskii progress. Alma-Ata, Kazgosizdat, 1960. 44 p. (Semiletka Kazakhstana v deistvii)
[MICROFILM]

KOZMAL, FRANTIŠEK. [Paper manufacture in theory and practice. Translated from the Slovak] Proizvodstvo bumagi v teorii i na praktike. Moskva, Izd-vo "Lesnaia promyshlennost'."
Vol. 1. [Manufacture of semifinished products] Proizvodstvo voloknistykh polufabrikatov. Red. D. S. Dobrovol'skogo. 1964. 878 p.

KRESTOV, A. P., A. S. LAZUNOVA, and F. N. REZNIKOVA. [Production of prepared, smoked and gastronomic fish and non-fish products] Proizvodstvo kulinarnykh, kopchenykh, gastronomicheskikh rybnykh i nerybnykh produktov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 214 p.

KROPP, L. D., and A. SH. BRONSHTEIN. [Operation of battery cyclones] Ekspluatatsiia batareinykh tsiklonov. Moskva, Izd-vo "Energiia," 1964. 150 p.

KRYLOV, S. M. [Redistribution of stress in statically indeterminate reinforced concrete structural elements] Pereraspredelenie usilii v staticheski neopredelimykh zhelezobetonnykh konstruktsiiakh. Moskva, Stroiizdat, 1964. 167 p.

KRYZHANOVSKII, O. M., V. I. VRUBLEVSKII, and V. T. ANTONENKO. [Automation of cupola furnaces] Avtomatizatsiia vagranok. Kiev, Izd-vo AN USSR, 1963. 103 p. (Spravochnaia seriia po novoi tekhnike)

KUDRIASHOV, G. V., and E. E. CHEKMENEV. [Automated diesel electric power plants] Avtomatizirovannye dizel'nye elektroagregaty. Moskva, Izd-vo "Mashinostroenie," 1964. 350 p.

KUDRIAVTSEV, M. N. [Designing automobile roads for various natural conditions] Proektirovanie avtomobil'nykh dorog v raznykh prirodnykh usloviiakh; uchebnoe posobie. [Omsk] Omskoe knizhnoe izd-vo, 1962. 67 p.

KULESHOV, V. N., and V. O. SHVARTSMAN. [Electrical measurements of long-distance cable lines] Elektricheskie izmereniia mezhdugorodnykh kabelei sviazi. Moskva, Izd-vo "Sviaz," 1964. 263 p.

KULIEV, S. M., N. N. MAMEDOV, and A. G. MDIVANI. [Efficiency of drilling deep wells] Effektivnost' bureniia glubokikh skvazhin. Moskva, Izd-vo "Nedra," 1964. 122 p.

KULIKOV, I. G. [Safety measures in carbon black producing plants] Tekhnika bezopasnosti v tsekhakh po proizvodstvu sazhi. Moskva, Izd-vo "Khimiia," 1964. 37 p. (Pamiatka po tekhnike bezopasnosti)

KUVYKIN, A. S., G. N. GEL'FMAN, and E. A. LEBEDEV. [Using high-strength gypsum in drilling] Primenenie vysokoprochnogo gipsa v burenii. Moskva, Nedra, 1964. 122 p.

KUZ'MIN, A. D., and A. E. SALOMONOVICH. [Radio astronomy techniques for measuring antenna parameters] Radioastronomicheskie metody izmerenii parametrov antenn. Moskva, Sovetskoe radio, 1964. 183 p.

KUZNETSOV, L. A., and others. [The GT-700-5 gas turbine system] Gazoturbinnaia ustanovka GT-700-5. Pod red. L. A. Kuznetsova. Moskva, Mashinostroenie, 1964. 190 p.

KUZUB, G. IA. [Manual on training practice in hydraulic measurements for students of the Novosibirsk Institute of Engineers of Railroad Transportation] Rukovodstvo po uchebnoi gidrometricheskoi praktike dlia studentov NIIZhTa. Pod red. K. N. Korzhavina. Novosibirsk, Novosibirskii in-t inzhenerov zhel-dor. transp., 1963. 30 p.
[MICROFILM]

LACHINOV, N. V. [Repair of auxiliary equipment of boiler shops in thermal electric power plants] Remont vspomogatel'nogo oborudovaniia kotel'nykh tsekhov teplovykh elektrostantsii. Moskva, Izd-vo "Energiia," 1964. 255 p.

[LAND TRANSPORTATION OF LUMBER] Sukhoputnyi transport lesa. [By] D. A. Popov i dr. Moskva, Goslesbumizdat, 1963. 863 p. diagr. (insert)

LANDER, V. L., V. N. ROGINSKII, and SH. G. SOLOV'EV. [Engineering methods for constructing relay systems] Inzhenernye metody postroeniia releinykh skhem. Moskva, Izd-vo "Sviaz'," 1964. 39 p. (Lektsii po tekhnike sviazi)

LAPIR, F. A. [Equipment and means for automating the manufacture of concrete and reinforced concrete] Oborudovanie i sredstva avtomatizatsii dlia proizvodstva betona i zhelezobetona. Moskva, Izd-vo "Mashinostroenie," 1964. 232 p.

LAPTEV, A. G. [Machines and instruments for wood processing; manual on the preparation of a course project for students of the Faculty of Mechanical Wood Processing] Stanki i instrumenty po obrabotke drevesiny; posobie k kursovomu proektirovaniiu dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. 161 p.

[LEATHER MATERIALS AND SEMIFINISHED PRODUCTS; official edition] Kozhevennye materialy i polufabrikaty. Izd. ofitsial'noe. Moskva, Izd-vo Standartov. 1963. 547 p. (SSSR Gosudarstvennye standarty)

LEBENGARTS, Z. IA. [Fur hides and skins] Pushno-mekhovoe syr'e. Moskva, Vysshaia shkola, 1964. 362 p.

LEITES, R. D. [Operation of an electron-tube in an amplifier; textbook for the course, "Amplifiers"] Rabota elektronnoi lampy v usilitel'noi skheme; uchebnoe posobie po kursu "Usiliteli." Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 33 p.

LENINGRAD. ELEKTROTEKHNICHESKII INSTITUT. [Electromagnetic devices] Elektromagnitnye ustroistva. Leningrad.
No. 4. [Magnetic characteristics of ferromagnetic materials; manual on class design work] Magnitnye kharakteristiki ferromagnitnykh materialov; posobie k kursovomu proektirovaniiu. 1962. 39 p.
[MICROFILM]

LENINGRAD. ELEKTROTEKHNICHESKII INSTITUT SVIAZI. [Description of laboratory procedures in a course in electric machinery] Sbornik opisanii laboratornykh rabot po kursu elektricheskikh mashin. Leningrad.
No. 2. [Synchronous machines] Sinkhronnye mashiny. 1962. 73 p.

LENINGRAD. LENINGRADSKII INSTITUT TOCHNOI MEKHANIKI I OPTIKI. Kafedra teoreticheskikh osnov elektrotekhniki. [Study of the properties of single-phase and three-phase sine wave current; laboratory manual] Issledovanie svoistv odnofaznykh i trekhfaznykh tsepei sinusoidal'nogo toka; rukovodstvo dlia laboratornykh rabot. Sost. N. M. Fuslov, E. M. Povzner. Leningrad, 1962. 51 p.

LEPESHKIN, I. P., ed. [Manual for a sugar worker] Spravochnik sakharnika. Moskva, Pishchepromizdat.
Pt. 1. 1963. 600 p.

LESOV, IU. I., and I. I. ITKIND. [Automotive transportation of food and industrial goods] Avtomobil'nye perevozki prodovol'stvennykh i promyshlennykh tovarov. Moskva, Transport, 1964. 190 p.

LEVI, S. S., and G. P. SOKOV. [Economy in the use of steel reinforcements is an important task for builders] Ekonomiia armaturnoi stali - vazhnaia zadacha stroitelei. Moskva, Gosstroiizdat, 1963. 37 p.

LEVINSHTEIN, M. L. [Operational calculus and its application to electrical engineering problems] Operatsionnoe ischislenie i ego prilozheniia k zadacham elektrotekhniki. Moskva, Izd-vo "Energiia," 1964. 466 p.

LEVIT, N. B., and V. K. PODGAINYI. [Automatic control] Avtomatika. Moskva, Voenizdat, 1964. 400 p.

LEVITSKII, N. I. [Cam mechanisms] Kulachkovye mekhanizmy. Moskva, Izd-vo "Mashinostroenie," 1964. 286 p.

LIANDRES, Z. O. [Calibrating vertical cylindrical tanks with pontoon roofs] Kalibrovka vertikal'nykh tsilindricheskikh rezervuarov s pontonami. Moskva, Nedra, 1964. 50 p.

LIKHOMSKII, V. T., and A. V. ERSHOV. [Manufacture of coated paper] Proizvodstvo melovannoi bumagi. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 69 p.

LITVINOV, A. A., and A. F. BLINOV. [Industrial testing of wells] Promyslovye issledovaniia skvazhin. Moskva, Izd-vo "Nedra," 1964. 234 p.

LITVINOV, N. N. [Internal combustion engines used in geological prospecting] Dvigateli vnutrennego sgoraniia, primeniaemye na geologorazvedochnykh rabotakh. Moskva, Izd-vo "Nedra," 1964. 402 p.

LIVSHITS, IA. N., and I. I. PINSON. [Means of mechanization in metal cutting by guillotine] Sredstva mekhanizatsii pri rezke metalla na gil'otine. Leningrad, Izd-vo "Sudostroenie," 1964. 48 p. (Bibliotechka po mekhanizatsii v sudostroenii)

LOTOTSKII, K. V. [Electrical machines and the principles of electric drives] Elektricheskie mashiny i osnovy elektroprivoda. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

L'VOV, V. E. [Pages from the life of TSiolkovskii] Stranitsy zhizni TSiolkovskogo. [Leningrad] Lenizdat, 1963. 261 p.
(NIC)

MAIZEL', B. I., and B. TS. OKUN'. [Thermoelectric infrared drying chamber for the drying of paint coatings] Elektrotermoradiatsionnaia sushil'naia kamera dlia sushki lakokrasochnykh pokrytii. Leningrad, 1963. 29 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia, no. 6)

MAKAROVA, T. M. [Causes for the formation of greasy deposits on optical parts] Prichiny obrazovaniia zhirovykh naletov na opticheskikh detaliakh. Moskva, Mashinostroenie, 1964. 53 p.

MALYI, G. A., and E. B. GUSAKOVSKII. [Automatic control of combustion in industrial furnaces operating on gas fuel] Avtomaticheskoe regulirovanie rezhimov goreniia promyshlennykh pechei, rabotaiushchikh na gazovom toplive. Leningrad, Izd-vo "Nedra," 1964. 124 p. (Biblioteka mastera gazovogo khoziaistva)

MAMEDOV, K. K., and R. G. SULEIMANOV. [Methods of examining and testing agricultural machines] Kend teserrufaty mashynlarynyn tedgigi ve synagdan kechirilmesi usullary. Baky, Azerneshr, 1963. 98 p. [In Azerbaijani]

MATVEEV, IU. M., and others. [Welded pipe; workers' handbook] Svarnye truby; spravochnoe rukovodstvo dlia rabochikh. Moskva, Izd-vo "Metallurgiia," 1964. 188 p.

MEDNIKOV, I. N. [Adjusting the MAZ-501 logging truck] Regulirovka avtomobilia-lesovoza MAZ-501. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 60 p.

MEKHEDKO, F. V., and B. V. KUZNETSOV. [Asynchronous motors] Asinkhronnye dvigateli. Minsk, Izd-vo "Belarus'," 1963. 157 p. (Bibliotechka elektromontera, no. 10)

MEKHTIEV, D. M. [Exploitation of oil wells with rodless pumps] Guiularyn shtangsyz nasoslarla istismary. Baky, Azerneshr, 1963. 101 p. [In Azerbaijani]

MEREZHKO, V. G. [Mechanization of the repair of locomotives in a depot] Mekhanizatsiia remonta lokomotivov v depo. Moskva, Izd-vo "Transport," 1964. 198 p.

MESKHISHVILI, I. SH., and S. I. BUACHIDZE. [Drying of foodstuffs. Sushka pishchevykh produktov. Tbilisi, Gos. izd-vo "TSodna"] 1963. 274 p. [In Georgian]

MIKHEL'SON, G. A., ed. [Manual on chamber disinfection] Rukovodstvo po kamernoi dezinfektsii. [By] A. N. Karaseva i dr. Moskva, Meditsina, 1964. 207 p.

MININ, IU. V. [For an economic use of fuel and lubrication materials] Za ekonomiiu goriuchego i smazochnykh materialov. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 24 p. (Govoriat novatory lesozagotovok)

[MICROFILM]

MINSKER, E. G., and V. SH. ANSHIN. [Assembly of oil-filled transformers] Sborka maslianykh transformatorov. Moskva, Vysshaia shkola, 1964. 252 p.

MIRIEV, S. I. [Problems on machine parts] Mashyn hisselerine aid meseleler. Baky, Azertedrisneshr, 1963. 121 p. [In Azerbaijani]

MIRSKII, G. IA. [Measurement of time intervals] Izmerenie vremennykh intervalov. Moskva, Izd-vo "Energiia," 1964. 71 p. (Massovaia radiobiblioteka, no. 511)

MOROZOV, I. S. [Corn oil] Kukuruznoe maslo. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 93 p.

MOROZOV, N. A., and V. E. VOSKRESENSKII. [Small-scale mechanization of the sawing shops of furniture enterprises] Malaia mekhanizatsiia v raskroinykh tsekhakh mebel'nykh predpriiatii. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 21 p.

[MICROFILM]

MOSCOW. ENERGETICHESKII INSTITUT IM. G. M. KRZHIZHANOVSKOGO. [Convertor systems in electric power engineering] Preobrazovatel'nye ustroistva v elektroenergetike. Moskva, Izd-vo "Nauka," 1964. 146 p.

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA SSSR. [Metallurgy of copper; bibliography. Books and journals in Russian and in foreign languages for the years 1930-1957] Metallurgiia medi; bibliograficheskii ukazatel'. Knizhnaia i zhurnal'naia literatura na russkom i inostrannykh iazykakh za 1930-1957 gg. Moskva, Metallurgizdat, 1959. 108 p.

[MICROFILM]

MOSCOW. INSTITUT GEOLOGII I RAZRABOTKI GORIUCHIKH ISKOPAEMYKH. [Experimental investigations in the development of deep oil and gas fields] Eksperimental'nye issledovaniia v oblasti razrabotki glubokikh neftianykh i gazovykh mestorozhdenii. Moskva, Izd-vo "Nauka," 1964. 207 p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI STROITEL'STVA. [Industrial norms for the expenditure of building materials] Proizvodstvennye normy raskhoda stroitel'nykh materialov. 3. izd. Moskva, Stroiizdat, 1964. 461 p.

MOSCOW. TSENTRAL'NAIA NAUCHNO-ISSLEDOVATEL'SKAIA LABORATORIIA MAKARONNOI PROMYSHLENNOSTI. [Instruction concerning the VE-2M moisture meter for the determination of moisture content in flour and macaronis] Instruktsiia k vlagomeru VE-2M dlia opredeleniia vlazhnosti muki i makaronnykh izdelii. Moskva, Pishchepromizdat, 1963. 18 p.
[MICROFILM]

MOSCOW. TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Standards for servicing equipment and quantity norms for workers in nonautomated fields] Normy obsluzhivaniia oborudovaniia i normativy chislennosti rabochikh dlia neavtomatizirovannykh promyslov. Moskva, Izd-vo "Nedra," 1964. 82 p.

MOSCOW. TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Standards for servicing equipment and quantity norms for workers in the drilling bureau] Normy obsluzhivaniia oborudovaniia i normativy chislennosti rabochikh dlia kontor bureniia. Moskva, Izd-vo "Nedra," 1964. 70 p.

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Economy of nonferrous metals and the introduction of their substitutes in industry, transportation, and building] Ekonomiia tsvetnykh metallov i vnedrenie ikh zamenitelei v promyshlennosti na transporte i v stroitel'stvo. Moskva, 1962. 63 p.

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Gas heating of metallurgical furnaces; bibliography for 1946-1962] Gazovoe otoplenie metallurgicheskikh pechei; bibliograficheskii spravochnik za 1946-1962 gg. Moskva, 1963. 77 p. (Metallurgiia tiazhelykh tsvetnykh metallov i zolota)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Investigating and introducing the electrothermic method of producing zinc] Issledovanie i vnedrenie elektrotermicheskogo sposoba polucheniia tsinka. Moskva, 1963. 80 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Manufacture and use of particle board; materials of a seminar] Proizvodstvo i primenenie struzhechnykh plit; materialy seminara. Moskva, 1962. 154 p. (Derevoobrabotka)

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Catalog and handbook on sewing equipment] Katalog - spravochnik po shveinomu oborudovaniiu. Moskva.
Pt. 2. 1963. 69 p.

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Manufacture of dress and suit fabrics of mixtures of lavsan with cotton and viscose fibers] Proizvodstvo plateI'nykh i kostiumnykh tkanei iz smesei lavsana s khlopkom i viskoznym voloknom. Moskva, 1963. 31 p.

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Modernization of technological equipment in shoes factories] Modernizatsiia tekhnologicheskogo oborudovaniia na obuvnykh predpriiatiiakh. Moskva, 1962. 67 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Spinning without roving] Bezrovnichnoe pradenie. Moskva, 1963. 31 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Processing of wheat meal in potato processing plants] Opyt pererabotki pshenichnoi muki na kartofeleperarabatyvaiushchikh zavodakh. Moskva, 1962. 45 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Farm mechanization in the countries of the northwestern zone of Europe (Finland, Sweden, Denmark, the German Democratic Republic)] Mekhanizatsiia sel'skogo khoziaistva v stranakh Severo-Zapadnoi zony Evropy (Finliandii - Shvetsii - Danii - GDR); obzor. Moskva, 1963. 91 p. (Kompleksnaia mekhanizatsiia i avtomatizatsiia predpriiatii. Seriia I-63)

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Instruments for automating production in use abroad] Instrument dlia avtomatizirovannogo proizvodstva zarubezhnykh firm. Moskva, 1963. 65 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii. Seriia: U-77)

[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Improving the quality of newsprint; based on the materials of the interplant school organized by the Central and Perm Province Administrations of the Scientific Technological Society at the Solikamsk Woodpulp Combine in 1962] Uluchshenie kachestva gazetnoi bumagi; po materialam mezhzavodskoi shkoly, organizovannoi TSentral'nym i Permskim oblastnym pravleniiami NTO v 1962 g. na Solikamskom tselliulozno-bumazhnom kombinate. Moskva, 1963. 42 p. (Bumaga i tselliuloza)

[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [New methods for the reconditioning of parts and the purification of fuel] Novye metody vosstanovleniia detalei i ochistki topliva. Moskva, 1963. 36 p. (Lesoekspluatatsiia)

[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [Purification of waste waters] Ochistka stochnykh vod. Moskva, 1963. 50 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI GOSUDARSTVENNYI PROEKTNO-IZYSKATEL'SKII I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Compaction of soils of irrigation canals for the purpose of preventing filtration, and soil compacting machinery; review] Uplotnenie gruntov orositel'nykh kanalov v protivofil'tratsionnykh tseliakh i gruntouplotniaiushchie mashiny; obzor. Moskva, 1962. 39 p.

[MICROFILM]

MOSCOW. VSESOIUZNYI GOSUDARSTVENNYI PROEKTNO-IZYSKATEL'SKII I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Methodology for calculating a "Pumping station - closed network" complex] Metodika rascheta kompleksa "Nasosnaia stantsiia - zakrytaia set'." Moskva, 1963. 74 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. [Electrodynamic modeling of power systems] Elektrodinamicheskoe modelirovanie energosistem. Pod red. M. P. Kostenko. Moskva, 1959. 225 p.
(ICMILC)

MOSCOW. VSESOIUZNYI ZAOCHNYI ENERGETICHESKII INSTITUT. Kafedra elektroizoliatsionnoi i kabel'noi tekhniki. [Study of the relationship between the properties of condenser paper and the quality of paper condensers; manual for the course in "Technology and electric insulation"] Issledovanie sviazi mezhdu svoistvami kondensatornoi bumagi i kachestvom bumazhnykh kondensatorov; uchebnoe posobie po kursu "Tekhnologiia elektricheskoi izoliatsii." Moskva, 1962. 29 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI ZAOCHNYI INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. [Schematics of substations without cutouts at the higher-voltage end; manual on courses in "Electric stations and substations" and "Electric stations and traction substations" for students of the fifth course on "Thermal power systems of electric power plants" and "Electrification of railroad transport"] Skhemy podstantsii bez vykliuchatelei na storone vysshego napriazheniia; uchebnoe posobie po distsiplinam "Elektricheskie stantsii i podstantsii" i "Elektricheskie stantsii i tiagovye podstantsii" dlia studentov V kursa spetsial'nostei "Teploenergeticheskie ustanovki elektrostantsii" i "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, 1962. 30 p.
[MICROFILM]

MUKHORTOV, I. D. [Air-hardening lime for finishing buildings] Vozdushnaia izvest' v otdelke zdanii. Moskva, Izd-vo MKKh RSFSR, 1964. 60 p.

MURACH, N. N., and others. [Metallurgy of tin] Metallurgiia olova. Moskva, Metallurgizdat, 1964. 351 p.

MURADOV, I. M. [Practical handbook for drilling crews on the drilling of super-deep and slim wells] Prakticheskoe rukovodstvo dlia burovykh brigad pri burenii sverkhglubokikh skvazhin i skvazhin malogo diametra. Baku, Azerneshr, 1964. 69 p.

MUSTAFAEV, A. A. [Canals in sagging soils] Kanaly na prosadochnykh gruntakh. Baku, Izd-vo Azerbaidzhanskoi Akad. sel'khoz. nauk, 1961. 277 p.

NAIDENOV, N. N. ["Builder" has a proud ring] Stroitel'—eto zvuchit gordo. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 14 p. (Slaven trudom chelovek)

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. TSentral'noe pravlenie. [Advanced practices in the improvement of technique and technology in the woodpulp, hydrolysis, and wood chemicals industry] Peredovyi opyt sovershenstvovaniia tekhniki i tekhnologii v tselliulozno-bumazhnom, gidroliznom i lesokhimicheskom proizvodstve. Moskva, Goslesbumizdat, 1963. 81 p.

NAUCHNO-TEKHNICHESKOE SOVESHCHANIE PO VOPROSAM KOLEBANII S UCHETOM RASSEIANIIA ENERGII. 4th, 1962. [Energy dissipation during the vibration of elastic systems; transactions] Rasseianie energii pri kolebaniiakh uprugikh sistem; trudy. Pod red. G. S. Pisarenko. Kiev, Izd-vo Akad. nauk USSR, 1963. 375 p.

NAUCHNO-TEKHNICHESKOE SOVESHCHANIE PO VOPROSAM STATICHESKOI I DINAMICHESKOI PROCHNOSTI MATERIALOV I KONSTRUKTIVNYKH ELEMENTOV PRI VYSOKIKH TEMPERATURAKH. 2d., Kiev, 1962. [High temperature strength in the manufacture of machinery; transactions] Voprosy vysokotemperaturnoi prochnosti v mashinostroenii; trudy. Pod red. G. S. Pisarenko. Kiev, Izd-vo Akad. nauk USSR, 1963. 335 p.

NEKHAMKIN, N. O. [Planning wood-processing enterprises; introductory lecture for students of the Faculty of Mechanical Wood Processing specializing in the technology of wood-processing enterprises] Proektirovanie derevoobrabatyvaiushchikh predpriiatii; vstupitel'naia lektsiia dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny po spetsializatsii—tekhnologiia derevoobrabatyvaiushchikh predpriiatii. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. 23 p.
[MICROFILM]

NEKHENDZI, IU. A. [Effect of vacuuming on the properties of cast alloys; stenographic record of lectures] Vliianie vakuumirovaniia na svoistva splavov v litom sostoianii; stenogramma lektsii. Leningrad, 1963. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Liteinoe proizvodstvo)

NEKRASOV, A. M., and S. S. ROKOTIAN, eds. [500 kv. long-distance power transmission lines] Dal'nie elektroperedachi 500 kv; sbornik statei. Moskva, Izd-vo "Energiia," 1964. 389 p.

NEKRASOV, A. S. [Framed buildings with wall filling of local building materials] Karkasnye zdaniia s zapolneniem sten mestnymi stroitel'nymi materialami. Moskva, Stroiizdat, 1964. 130 p.

[NEW TYPES OF EPOXIDE RESINS AND COMPOUNDS] Novye tipy epoksidnykh smol i kompaundov. Leningrad, 1963. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii)

NIBERG, N. IA. [Design of reducing gears; selection of parameters and the table method for designing transmissions] Raschet reduktorov; vybor parametrov i tablichnyi metod rascheta peredach. Moskva, Izd-vo "Mashinostroenie," 1964. 170 p.

NIKANOROV, M. M., and V. G. BELIKOV. [Drilling deep wells; work practices of petroleum workers in Chechen-Ingush] Burenie glubokikh skvazhin; opyt neftianikov Checheno-Ingushetii. Moskva, Izd-vo "Nedra," 1964. 164 p.

NIKITIN, A. G. [Adjustment of "Volga" and "Chaika" automobiles] Regulirovka legkovykh avtomobilei "Volga" i "Chaika." Moskva, Transport, 1964. 94 p.

NIKOLAEV, IU. G., and V. S. SINEDUBSKII. [Twenty steps into tomorrow] Dvadtsat' stupenek v zavtra. Moskva, Sovetskaia Rossiia, 1964. 278 p. (Biografiia stroek kommunizma)

NOSOV, M. P. [Dynamic fatigue of polymer threads] Dinamicheskaia ustalost' polimernykh nitei. Kiev, Gostekhizdat USSR, 1963. 195 p.

NOVOSIBIRSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Kafedra "Izyskaniia, proektirovanie i postroika zheleznykh dorog." [Methodological handbook on the calculation of bridge passages] Metodicheskoe posobie k raschetam po mostovomu perekhodu. Pod obshchei red. G. D. Voznesenskogo. Novosibirsk, 1963. 14 p.

OKOLOT, V. A. [Pocket-sized magnetic tape recorder] Magnitofon v karmane. [Moskva] Izd-vo "Znanie," 1964. 70 p. (Elektronika dlia vsekh)

OKUN', E. L. [Radio transmitting devices] Radioperedaiushchie ustroistva. Izd. 2., perer. i dop. Leningrad, Sudostroenie, 1964. 539 p.

OMSK. MASHINOSTROITEL'NYI INSTITUT. Kafedra nachertatel'noi geometrii i chercheniia. [Descriptive geometry and engineering drawing in the manufacture of machinery; transactions] Nachertatel'naia geometriia i inzhenernaia grafika v mashinostroenii; trudy. Omsk, 1963. 80 p.
[MICROFILM]

ORESHKIN, B. M. [Organization and planning of road construction] Organizatsiia i planirovanie dorozhnogo stroitel'stva. Moskva, Vysshaia shkola, 1963. 310 p.

OSHCHEPKOV, A. A. [The water we drink] Voda, kotoruiu my p'em. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 33 p.
[MICROFILM]

OSIPOV, L. G., and G. I. IAKOVLEV. [Principles of construction work] Osnovy stroitel'nogo dela. Moskva, Vysshaia shkola, 1962. 388 p.

OSTROVSKII, IA. M. [Controlling the sanding up of oil wells in the oil fields of Turkmenistan] Bor'ba s probkoobrazovaniem v neftianykh skvazhinakh na mestorozhdeniiakh Turkmenii. Ashkhabad, Turkmengosizdat, 1963. 46 p.

PAPATSENKO, KH. I. [Use of gas in greenhouse and hotbed gardening] Primenenie gaza v teplichno-parnikovom khoziaistve. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 44 p.

PARNAPUU, A., and O. BUSSEL, comps. [Laboratory work on physical metallurgy] Laboratornye raboty po metallovedeniiu. Tallinn, Tallinnskii politekhn. in-t, 1964. 36 p.

PAROL', N. V. [Reliability of receiving tubes] Nadezhnost' priemno-usilitel'nykh lamp. Moskva, Sovetskoe radio, 1964. 134 p.

PASECHNIK, N. D. [Elementary electrical engineering] Elementarnaia elektrotekhnika. 6 ispr. izd. Kiev, "Tekhnika," 1964. 231 p.

PATON, E. O. [Recollections] Vospominaniia. Literaturnaia zapis' IUriia Buriakovskogo. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 332 p.
(RPB)

PERM. POLITEKHNICHESKII INSTITUT. Kafedra giroskopicheskikh priborov i ustroistv. [Physical fundamentals of inertial navigation; manual for students of the subject "Gyroscopic instruments and devices"] Fizicheskie osnovy inertsial'noi navigatsii; posobie dlia studentov spetsial'nosti "Giroskopicheskie pribory i ustroistva." Perm'.
Pt. 1. 1963. 30 p.
[MICROFILM]

PERM. POLITEKHNICHESKII INSTITUT. Kafedra soprotivleniia materialov. [Fundamentals of the theory of elasticity. Osnovy teorii uprugosti] Perm'.
[Pt. 2., ch. 6] Samul', V. I. [Plane problem in the theory of elasticity in rectangular coordinates; methodological manual for students of the subject "Industrial and civil engineering"] Ploskaia zadacha teorii uprugosti v priamougol'nykh koordinatakh; metodicheskoe posobie dlia studentov-spetsial'nosti "Promyshlennoe i grazhdanskoe stroitel'stvo." 1963. 27 p.
[MICROFILM]

PESOTSKII, A. N. [Sawmilling] Lesopil'noe proizvodstvo. Izd. 3., ispr. i dop. Moskva, Goslesbumizdat, 1963. 407 p.

PETRAKOV, N. M. [Industrial training of plumbers at building projects] Proizvodstvennoe obuchenie slesarei-santekhnikov na stroitel'nykh ob"ektakh. Moskva, Vysshaia shkola, 1964. 31 p. (Obmen opytom raboty;

PETRENKO, A. I. [Transformation of graphical data into electrical signals] Preobrazovanie grafikov v elektricheskie signaly. Kiev, Gostekhizdat USSR, 1964. 218 p.

PISMANIK, K. M. [Hypoid gears] Gipoidnye peredachi. Moskva, Izd-vo "Mashinostroenie," 1964. 226 p.

PODBORSKII, L. E., and Z. E. GARBUZOV. [Continuous excavators; bucket construction excavators. Atlas of designs] Ekskavatory nepreryvnogo deistviia; mnogokovshovye stroitel'nye ekskavatory. Atlas konstruktsii. Pod red. N. G. Dombrovskogo. Moskva, Mashinostroenie, 1964. 146 p.

POKROVSKII, G. P. [Use of electronic control in automobile engine fuel systems] Primenenie elektroniki v sistemakh pitaniia avtomobil'nykh dvigatelei. Moskva, Izd-vo "Mashinostroenie," 1964. 98 p.

POLIAKOV, G. E., and A. I. KOVARSKII. [Industrial training of electricians in the installation and operation of electrical equipment of industrial enterprises] Proizvodstvennoe obuchenie elektromonterov po montazhu i ekspluatatsii elektrooborudovaniia promyshlennykh predpriiatii. Izd. 3. Moskva, Proftekhizdat, 1963. 132 p.

POLIKARPOCHKIN, V. V., and R. T. POLIKARPOCHKINA. [Biogeochemical prospecting for mineral deposits] Biogeokhimicheskie poiski mestorozhdenii poleznykh iskopaemykh. Moskva, Izd-vo "Nauka," 1964. 104 p.

POLIVANOV, N. I. [New systems of automobile and city reinforced concrete bridges] Novye sistemy avtodorozhnykh i gorodskikh zhelezobetonnykh mostov. [Moskva] Rosvuzizdat, 1963. 46 p.

POLKANOV, I. P. [Theory and design of machine and tractor units] Teoriia i raschet mashinno-traktornykh agregatov. Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 254 p.

POLULIAKH, K. S. [Electronic measuring devices] Elektronnye izmeritel'nye pribory. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 311 p.

POPILOV, L. IA. [Preparation of samples for test operations using electrophysical and electrochemical techniques; verbatim report of a lecture] Izgotovlenie obraztsov dlia ispytanii s pomoshch'iu elektrofizicheskikh i elektrokhimicheskikh metodov; stenogramma lektsii. Leningrad, 1963. 40 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Elektrotekhnologicheskie protsessy i ustanovki)

PRADO MENDIZÁBAL, PEDRO, comp. [Spanish-Russian polytechnical dictionary] Ispansko-russkii politekhnicheskii slovar'. Pod red. G. P. Moskova, A. S. Minina, L. A. IAkovleva. Moskva, Sovetskaia Entsiklopediia, 1964. 832 p.

[PRESERVATION OF THE QUALITY OF SAURY] Sokhranenie kachestva sairy. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 35 p. ([illegible])
[MICROFILM]

PUKHOVSKII, P. T. [Mining machinery in relation to hygiene; basic principles and methods of physiological and hygienic evaluation of mining machinery] Gornye mashiny v gigienicheskom otnoshenii; osnovnye printsipy i metody fiziologo-gigienicheskoi otsenki gornykh mashin. Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1963. 87 p.

[illegible], S. V. [Transistor pocket radio] Karmannyi radiopriemnik na tranzistorakh. Moskva, Izd-vo "Energiia," 1964. 29 p. (Massovaia radiobiblioteka, no. 545)

[illegible], V. M. [Heat insulation of industrial buildings] Teploizoliatsiia promyshlennykh zdanii. Kiev, Gosstroiizdat USSR, 1964. 161 p.

[illegible], A. G. [Adjustment of radio systems] Regulirovka radiotekhnicheskikh sistem. Leningrad, Sudostroenie, 1964. 280 p.

RABINOVICH, E. A., and V. D. [illegible] [Collection of problems in general electrical engineering] Sbornik zadach po obshchei elektrotekhnike. Izd. 4, perer. Moskva, Izd-vo "Energiia," 1964. 238 p.

REPKIN, IU. D. [Precipitation-hardened, heat-resistant sintered metal (sintered aluminum powder [SAP-type alloys])] Metallokeramicheskie [illegible] tipa SAP. Kiev, Izd-vo AN USSR, 1964. 70 p.

RESPUBLIKANSKOE [illegible] 1963. [Equipment and technology of drilling wells; transactions] Tekhnika i tekhnologiia bureniia skvazhin; trudy. Pod red. M. G. [illegible] Moskva, Izd-vo "Nedra," 1964. 214 p.

ROMANENKO, A. M. [Experiments in the mechanization of the construction of drainage systems] Opyt mekhanizatsii stroitel'stva osushitel'nykh sistem. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 74 p.
[MICROFILM]

[illegible], V. G. [Braking of a motor vehicle and an automobile train; elements of the theory of braking, methods for the evaluation of braking characteristics, ways for improving braking systems] Tormozhenie avtomobilia i avtopoezda; elementy teorii tormozheniia, metody otsenki tormoznykh svoistv, puti sovershenstvovaniia tormoznykh sistem. Moskva, Izd-vo "Mashinostroenie," 1964. 342 p.

[illegible], L. S. [Boring frames] Burovye vyshki. [illegible] 1962. 51 p. ([illegible])
[MICROFILM]

[illegible], IA. D., L. V. SHVEDOV, and [illegible] [Brief handbook on the manufacture of ferroalloys (for workers)] Kratkii spravochnik [illegible] (dlia rabochikh). Pod red. M. A. [illegible] Moskva, Izd-vo "Metallurgiia," 1964. [illegible] p.

RUDENSKAIA, I. M. [Petroleum bitumens; chemical composition, colloidal structure, and production methods] Neftianye bitumy; khimicheskii sostav, kolloidnaia struktura, metody i sposoby proizvodstva. [Moskva] Rosvuzizdat, 1963. 40 p.

RUSSIA (1917- R.S.F.S.R.) Glavnoe upravlenie po proizvodstvu elektromontazhnykh rabot. [Catalog of equipment, mechanisms, electric and pneumatic instruments for electrical installation operations] Katalog oborudovaniia, mekhanizmov, elektricheskogo i pnevmaticheskogo instrumenta dlia elektromontazhnykh rabot. Moskva, Gos. energeticheskoe izd-vo, 1960. 264 p.
[MICROFILM]

RUSSIA (1917- R.S.F.S.R.) [illegible] [Exchange of practices among [illegible] factories, enterprises [illegible]] [illegible] Moskva, [illegible], 1960. [illegible] p. ([illegible])

RUSSIA (1923- U.S.S.R.) Ministerstvo [illegible] [Preparing and [illegible]] [illegible] Moskva, 1962. [illegible] p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Ministerstvo [illegible] [Installing [illegible]] [illegible] Moskva, [illegible] 1961. [illegible] p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) [illegible] Moskva, [illegible] 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po [illegible] [New types of [illegible]] [illegible] Moskva, [illegible] 1963. [illegible] p. ([illegible])
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

- Pt. 1, Sec. A, ch. [illegible] [Building materials, parts, and equipment, general part] [illegible] 1964. [illegible] p.
- Pt. 3, Sec. G, ch. 10 [Heating furnaces, smoke and ventilating ducts of apartment houses and public buildings; regulations for production and acceptance of work] [illegible] 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po [illegible] [Metallurgical slag in the construction industry] Metallurgicheskie shlaki v stroitel'stve. Kiev, Gosstroiizdat USSR, 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Provisional technical specifications for designing, assembling, and operating central heating systems with steel stamped and [illegible] panel-type radiators with rear connections. Approved by the State Committee on Construction [illegible]] Vremennye tekhnicheskie usloviia po proektirovaniiu, montazhu i ekspluatatsii sistem tsentral'nogo otopleniia [illegible] Moskva, Stroiizdat, 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Present-day technology in the manufacture of electric [illegible]; abstracts] Sovremennaia tekhnologiia [illegible]; referativnaia informatsiia. Moskva, Tsentr. in-t nauchno-tekhn. informatsii [illegible], 1963. [illegible] p. ([illegible])
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet [illegible] toplivnoi promyshlennosti. [Rules for the technical development of enterprises mining deposits by the open pit method] Pravila tekhnicheskoi ekspluatatsii dlia predpriiatii, razrabatyvaiushchikh mestorozhdeniia otkrytym sposobom. Moskva, Izd-vo "Nedra," 1964. 104 p.

RUSSIA (1923- U.S.S.R.) Komitet po delam izobretenii i otkrytii. [Russian and foreign inventions; [illegible]] [illegible] Moskva, [illegible] 1963. 134 p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [illegible] State Standard [illegible] Moskva, 1959. [illegible] p. ([illegible])

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Instructions [illegible] for checking universal measuring microscopes] Instruktsiia [illegible] Moskva, [illegible] 1963. [illegible] p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) [Laws, statutes, etc.] [Safety measures and industrial sanitation in the chemical industry, rules, regulations, standards, and instructions] Tekhnika bezopasnosti i proizvodstvennaia sanitariia v khimicheskoi promyshlennosti; sbornik postanovlenii, pravil, norm i instruktsii. Moskva, Izd-vo "Khimiia," 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) [illegible] [Regulations for the installation of electrical systems] Pravila ustroistva elektroustanovok. Izd. 3, perer. i dop. Moskva, Izd-vo "Energiia," 1964. [illegible] p.

[illegible], N. IA., and A. I. [illegible], comps. [illegible] Moskva, Izd-vo "Energiia," 1964. [illegible] p.

[illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible], V. F., and V. G. [illegible] [illegible] 1964. [illegible] p.

[illegible], L. L. [illegible] Moskva, Izd-vo "Mashinostroenie," 1964. [illegible] p.

SAPKO, A. I. [illegible] Moskva, [illegible] 1963. [illegible] p. ([illegible], no. [illegible])

[illegible], A. M. [Operational prospecting and [illegible] problems of the ore geology of the Krivoy Rog iron ore deposits] [illegible] Krivogo Roga. Moskva, [illegible] 1963. [illegible] p.

SEMENOV, M. V. [Theory of mechanisms and machines [illegible] Written lectures] Teoriia mekhanizmov i mashin [illegible] Leningrad, [illegible] 1963. 77 p.

[illegible], A. V. [Establishment of technical norms for work in machine shops] Tekhnicheskoe normirovanie truda v mashinostroitel'nykh tsekhakh. Izd. 2, perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. [illegible]

SEVOST'IANOV, A.G., and A.V. EFIMOV. [Design, assembly, repair and adjustment of drawing and roving machines] Ustroistvo, montazh, remont i naladka lentochnykh i rovnichnykh mashin. Moskva, Izd-vo "Legkaia industriia," 1964. 317 p.

SHABANBEKOV, Z.M. [Reinforced concrete structures] Demir-beton konstruksilalar. Baky, Azerbaichan dovlet tedris-pedagozhi edebiiiaty neshriiiaty. 1961-1963. 2v. [In Azerbaijani]

SHAKHTAKHTINSKII, T.N. [Aliphatic oxygen-containing monomers and polymers] Alifaticheskie kislorodsoderzhashchie monomery i polimery. Baku, Azerneshr, 1963. 150 p.

SHELKOV, A.K., ed. [Manual for coke chemists in six volumes] Spravochnik koksokhimika v shesti tomakh. Moskva, Izd-vo "Metallurgiia."
Vol. 1. [Source of raw materials and preparation of coal for coking] Syr'evaia baza i podgotovka uglei k koksovaniiu. 1964. 490 p.

SHESTOPALOV, K.S. [Fitting and assembling work and the maintenance of a motor vehicle] Slesarno-montazhnye raboty i tekhnicheskoe obsluzhivanie avtomobilia. Moskva, DOSAAF, 1964. 267 p.

SHISHKIN, V.E. [Displacements caused by bending. Statically indeterminate beams; lecture with examples of calculations for correspondence students of the engineering department] Peremeshchenila pri izgibe. Staticheski neopredelimye balki; lektsiia s primerami raschetov dlia studentov-zaochnikov inzhenernogo fakul'teta. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1962. 45 p. (Lektsii po soprotivleniiu materialov, no. 6)

[MICROFILM]

SHNEIDER, IU.G. [Surface quality and operating characteristics of parts of machines and instruments; verbatim report of a lecture] Kachestvo poverkhnosti i ekspluatatsionnye svoistva detalei mashin i priborov; stenogramma lektsii. Leningrad, 1963. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov)

SHREIBER, B.P. [Bituminization in underground construction] Bitumizatsiia v podzemnom stroitel'stve. 2. izd. Moskva, Izd-vo "Nedra," 1964. 278 p.

SHULAEV, I.P. [Rolling on roughing and blooming mills; a worker's manual] Prokatka na obzhimnykh i zagotovochnykh stanakh; spravochnoe rukovodstvo dlia rabochikh. Moskva, Izd-vo "Metallurgiia," 1964. 179 p.

SILANT'EVA, N.A. [Automation and the establishment of norms for work] Avtomatizatsiia i normirovanie truda. Moskva, Izd-vo "Ekonomika," 1964. 132 p.

SINGLIAR, MICHAL. [Gas chromatography in practice. Translated from the Slovak] Gazovaia khromatografiia v praktike. Moskva, Izd-vo "Khimiia," 1964. 194 p.

SIUNT, G.K. [Colored asphalt concrete] TSvetnoi asfal'tobeton. Moskva, Transport, 1964. 49 p.

SKVORTSOV, N.V. [Output of diesel engines over and above the plan] Dizeli - sverkh plana. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1963. 27 p. (Novatory v bor'be za semiletku)

[MICROFILM]

SLAVIANOV, V.N. [Forecasting the stability of slopes from the viewpoint of engineering geology] Inzhenerno-geologicheskie prognozy ustoichivosti otkosov. Moskva, Stroiizdat, 1964. 153 p.

SMIRNOV, V.A. [Installation, adjustment, operation, and repair of the equipment of a gas turbine compressor station] Montazh, naladka, ekspluatatsiia i remont oborudovaniia gazoturbinnoi kompressornoi stantsii. Leningrad, Izd-vo "Nedra," 1964. 126 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

SOBOLEV, IU.S. [Calculating statically indeterminate frames by the method of forces; manual for carrying out the practical studies in the course on the resistance of materials] Raschet staticheski neopredelimykh ram metodom sil; rukovodstvo k vypolneniiu prakticheskikh zadanii po kursu soprotivleniia materialov. Moskva, Mosk. lesotekhn. in-t, 1963. 68 p.

[SOIL IMPROVEMENT; handbook] Maaparanduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 4. [Planning, construction, and exploitation] Projekteerimine, ehitamine ja ekspluateerimine. 1963. 375 p.

SOKOLOV, M.M.; and V.I. KLIUCHEV. [Collection of networks for the control of electric drives of industrial machines] Sbornik skhem upravleniia elektroprivodami obshchepromyshlennykh mekhanizmov. Moskva, Mosk. energeticheskii in-t, 1963. 19 p.

[MICROFILM]

SOKOLOV, N.M. [Spot welding of small-size parts] Tochechnaia svarka malogabaritnykh detalei. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 118 p.

SOKOLOV, V.N. [Equipment and organization of technical control in radio and television broadcasting and methodology for measuring the quality indices of radiobroadcasting channels] Oborudovanie i organizatsiia raboty tekhnicheskogo kontrolia radioveshchaniia i televideniia i metodika izmereniia kachestvennykh pokazatelei radioveshchatel'nykh traktov. Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 61 p.

[MICROFILM]

SOMINSKII, M.S. [Semiconductors in applied solar energy] Poluprovodnikovaia geliotekhnika. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no. 12)

SOROKER, V.I. [Problems and examples in the technology of concrete and reinforced concrete products] Zadachi i primery po tekhnologii betonnykh i zhelezobetonnykh izdelii. Moskva, Izd-vo lit-ry po stroit., 1964. 235 p.

SPERANSKII, V.G., and I.P. ZABALUEV. [Quality control of electric furnace steel] Kontrol' kachestva elektrostali. Moskva, Izd-vo Metallurgiia, 1964. 199 p.

SPERANSOV, N.N. [How to prevent petroleum product losses] Kak predupredit' poteri nefteproduktov [Moskva] Mosk. rabochii, 1963. 66 p.

SPIVAK, N.IA. [Large-panel enclosing structures of lightweight concrete made with porous aggregates] Krupnopanel'nye ograzhdaiushchie konstruktsii iz legkikh betonov na poristykh zapolniteliakh. Moskva, Stroiizdat, 1964. 222 p.

STAROSTIN, S.M. [Safety measures in enterprises of the precast concrete industry] Tekhnika bezopasnosti na predpriiatiiakh sbornogo zhelezobetona. Moskva, "Vysshaia shkola," 1964. 223 p.

STEPANOV, I.A. [Proportioning devices for food liquids] Doziruiushchie apparaty dlia pishchevykh zhidkostei. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 46 p.

[MICROFILM]

STESHOV, I.I., ed. [Handbook for a shoe industry worker] Spravochnik obuvshchika. Moskva, Gizlegprom.
Vol. 3. 1963. 505 p.

SULTANOV, V.D. [Safety measures in boring] Gazmada tehlukesizlik tekhnikasy. Baky, Azerneshr, 1963. 163 p. [In Azerbaijani]

SVECHNIKOV, V.N. [Physics of metals and physical metallurgy] Voprosy fiziki metallov i metallovedeniia. Kiev, Izd-vo Akad. nauk USSR, 1962. 150 p.
(CLU)

SVINAREV, G.A. [High-pressure axial-flow Kaplan turbines] Vysokonapornye povorotnolopastnye gidroturbiny osevogo tipa. Kiev, Izd-vo AN USSR, 1964. 134 p.

TANASHEV, R.I., and A.IA. ZAV'IALOV. [Mechanized loading in lumber transportation] Mekhanizirovannaia pogruzka drevesiny na lesovoznyi transport. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 69 p.

[MICROFILM]

TARASOV, F.I. [Kenotrons] Kenotrony. Moskva, Izd-vo "Energiia," 1964. 15 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 501)

TARASOV, F.M. [Thin-layer heat exchangers] Tonkosloinye teploobmennye apparaty. Moskva, Izd-vo "Mashinostroenie," 1964. 362 p.

TARNOVSKII, I.IA., and others. [Variational principles of mechanics in the theory of metalworking by pressure] Variatsionnye printsipy mekhaniki v teorii obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 52 p.

TARNOVSKII, I.IA., ed. [Engineering methods for designing technological processes for the pressworking of metals] Inzhenernye metody rascheta tekhnologicheskikh protsessov obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 430 p.

[TECHNOLOGICAL EQUIPMENT FOR CONFECTIONARIES; catalog and handbook] Tekhnologicheskoe oborudovanie predpriiatii konditerskoi promyshlennosti; katalog-spravochnik. Moskva, TSintiam.
Pt. 1. [Equipment for heating, dissolving, boiling and tempering of confectionary masses and other general purpose equipment] Oborudovanie dlia nagrevaniia, rastvoreniia, uvarivaniia i temperirovaniia konditerskikh mass i drugoe oborudovanie obshchego naznacheniia. 1963. 63 p.
Pt. 2. [Equipment for the production of hard candies] Oborudovanie dlia proizvodstva karamieli. 1963. 63 p.

[MICROFILM]

TELIS, M.IA. [Melting of nonferrous metals and alloys] Plavka tsvetnykh metallov i splavov. Moskva, "Vysshaia shkola," 1964. 318 p.

TKEMALADZE, N.M. [Principles of the theory and calculations of mine transportation equipment. Osnovy teorii i raschety rudnichnykh transportnykh ustanovok. Tbilisi, Gos. izd-vo "Tsodna"]
Pt. 1. 1963. 333 p. (insert).[In Georgian]

TROFIMOVA, V.M., M.L. LANGLEBEN, and IU.M. ABDULLAEV. [Practical guide for underground well repair crews] Prakticheskoe rukovodstvo dlia brigad podzemnogo remonta skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 91 p.

TRUSOVA, L.P. [Using tools laminated with hard alloys in the woodworking industry] Primenenie instrumenta s plastinkami iz tverdogo splava v derevoobrabatyvaiushchei promyshlennosti. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti, 1963. 45 p. (Derevoobrabotka)

[MICROFILM]

TSEITLIN, A.A. [Precast reinforced concrete three-dimensional roofs] Sbornye zhelezobetonnye prostranstvennye pokrytiia. Kiev, Gosstroiizdat USSR, 1964. 243 p.

TSEITLIN, IA.M., I.V. L'VOVICH, and O.I. IUSOV. [Photoelectric transducers for the automation of inspection operations] Fotoelektricheskie datchiki dlia avtomatizatsii kontrolia. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov, no. 4)

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA LEGKOI PROMYSHLENNOSTI. [Purification of waste waters in textile and light industries; list of the Soviet and foreign literature received by the library during the period from 1957 to 1962] Ochistka stochnykh vod v tekstil'noi i legkoi promyshlennosti; spisok otechestvennoi i inostrannoi literatury, postupivshei v biblioteku za period s 1957 g. po 1962 g. Moskva, 1963. 27 p. (V pomoshch' inzhenerno-tekhnicheskim i nauchnym rabotnikam)

[MICROFILM]

TSENTRAL'NAIA OTRASLEVAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA MASHINOSTROENIIA. [Check of gear wheels in automatically controlled production and new attached devices for checking the diametral and circular pitch of gear wheels; bibliographical index of Soviet and foreign literature published in 1960-1962] Kontrol' zubchatykh koles v avtomatizirovannom proizvodstve i novye nakladnye pribory dlia kontrolia osnovnogo i okruzhnogo shaga zubchatykh koles; bibliograficheskii ukazatel' otechestvennoi i inostrannoi literatury za 1960-1962 gg. 146 nazv. Moskva, 1963. 26 p.

[MICROFILM]

TSERETELI, B.SH., and V.S. ZORIN. [Everyday traumatism. Bytovoi travmatizm. Tbilisi, Gos. Izd-vo "Sabchota Sakartvelo,"] 1963. 72 p. [In Georgian]

TSIKLAURI, D.S. [Water supply for fields and pastures] Polevoe i pastbishchnoe vodosnabzhenie. Moskva, Stroiizdat, 1964. 162 p.

TSYNKOV, V. M., and I. I. ZUS'MAN. [Safety manual on the tensioning of reinforcement] Tekhnika bezopasnosti pri natiazhenii armatury. Moskva, Transport, 1964. 30 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

TSYPKIN, IA. Z. [Lectures on the theory of automatic control; elements of the theory of sampled-data control] Lektsii po teorii avtomaticheskogo regulirovaniia; elementy teorii impul'snogo regulirovaniia. Izd. 3. Moskva, Vses. zaochnyi energ. in-t, 1963. 92 p.

TULATOV, V. A. [Investigating strains in steel wire ropes of a multiple-span aerial skidder] Issledovanie usilii v stal'nykh kanatakh mnogoproletnoi VTU-3. Nal'chik, Severo-Kavkazskii Sovet nar. khoz., 1963. 31 p.

[MICROFILM]

TURIASHVILI, Z. L. [Gas in the home. Gaz v bytu. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 49 p. [In Georgian]

TUROVSKII, I. IA. [Calculating the straightening of railroad curves] Raschet vypravki zheleznodorozhnykh krivykh. Moskva, Izd-vo "Transport," 1964. 107 p. (Bibliotechka puteitsa)

UCHASTKIN, P. V., V. N. TETEREVNIKOV, and D. A. MATELENOK. [Air-conditioning of industrial buildings] Konditsionirovanie vozdukha v promyshlennykh zdaniiakh. Pod obshchei red. P. V. Uchastkina. [Moskva] Profizdat, 1963. 422 p.

UKRAINE. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. Institut tekhnicheskoi informatsii. [Mechanization of finishing operations; from materials of interfactory training schools] Mekhanizatsiia otdelochnykh rabot; po materialam mezhzavodskoi shkoly. Kiev, 1963. 61 p.

[MICROFILM]

ULIUEV, D. I. [Manual for a track worker] Posobie putevomu rabochemu. Moskva, Transzheldorizdat, 1963. 322 p.

[UNIFIED SAFETY REGULATIONS IN BLASTING OPERATIONS] Edinye pravila bezopasnosti pri vzryvnykh rabotakh. 4 izd. s prilozheniem dopolnenii i izmenenii, vnesennykh Gosgortekhnadzorami soiuznykh respublik. Moskva, Gosgortekhizdat, 1963. 294 p.

UREVICH, A. L. [Use of liquefied gas in construction] Ispol'zovanie szhizhennykh gazov v stroitel'stve. Minsk, Nauchno-tekhn. ob-vo energeticheskoi promyshl., 1963. 38 p.

[MICROFILM]

USENKO, V. A., K. N. USHAKOVA, and F. F. BACHUKINA. [Processing of acetate fibers] Pererabotka atsetatnogo volokna. Moskva, Gizlegprom, 1964. 169 p.

USHAKOV, V. A. [Diagrams of telephone apparatus with transistor amplifiers; manual for students of the fourth course in telegraph and telephone communication] Skhemy telefonnykh apparatov s usiliteliami na tranzistorakh; uchebnoe posobie dlia studentov IV kursa telegrafnoi i telefonnoi sviazi. Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 33 p. (Lektsii po tekhnike sviazi)

[MICROFILM]

USHAMIRSKII, M. K. [Building apartment houses of large keramzit concrete elements; practices of the Building and Assembling Trust No. 25] Stroitel'stvo domov iz krupnorazmernykh keramzitobetonnykh elementov; iz opyta raboty Stroitel'no-montazhnogo tresta no. 25. (Bibliotechka stroitelia)

[UTILIZATION OF CHEMICAL INDUSTRY BY-PRODUCTS] Ispol'zovanie otkhodov khimicheskogo proizvodstva; sbornik statei. Perm', Permskoe knizhnoe izd-vo, 1960. 62 p.

[MICROFILM]

VAKIN, A. T. [Storage of round lumber] Khranenie kruglogo lesa. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 427 p.

VAL'DMAN, E. K. [Recreational telegraphy and telephony] Zanimatel'naia telegrafiia i telefoniia. Izd. 2., ispr. i dop. Moskva, Izd-vo "Sviaz'," 1964. 173 p.

VARGIN, V. V., and others. [Steel enameled electroluminescent panels developed by the Leningrad Technological Institute in 1963] Stal'nye emalirovannye elektroliuminestsentnye paneli LTI 1963 goda. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia, no. 8)

VARTANOV, G. L., and V. M. SEREBRIAKOV. [Outdoor wiring and equipment installation operations] Naruzhnye elektromontazhnye raboty. Moskva, Stroiizdat, 1964. 209 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v zhilishchnom stroitel'stve)

VASHURIN, A. A., V. D. LAPIN, and M. B. PRUSAKOV. [Manual for traction substation electricians] Spravochnik elektromekhanika tiagovoi podstantsii. Izd. 2., perer. i dop. Moskva, Izd-vo "Transport," 1964. 423 p. diagr. (insert)

[VENTILATION OF MINES AND STRIP MINES] Ventiliatsiia shakht i kar'erov. [By] S. I. Lugovskii i dr. Moskva, Izd-vo "Nedra," 1964. 306 p.

VERSHININ, N. I., A. L. VERTSAIZER, and V. M. IAKOVLEV. [Automatic control] Avtomaticheskii kontrol'. Moskva, Izd-vo "Energiia," 1964. 141 p. (Biblioteka po avtomatike, no. 00)

VIDUEV, N. G., and V. P. GRZHIBOVSKII. [Geodesic projecting of vertical leveling] Geodezicheskoe proektirovanie vertikal'noi planirovki. Moskva, Izd-vo "Nedra," 1964. 250 p.

VINNIK, N. I., and L. N. KORYSTIN. [Industrial production of compressed wood] Promyshlennoe proizvodstvo pressovannoi drevesiny. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 137 p.

VIRGINSKII, V. S. [George Stephenson, 1781-1848] Dzhordzh Stefenson, 1781-1848. Moskva, Izd-vo "Nauka," 1964. 213 p.

VOLKOV, A. E., and A. S. LAPIDUS. [Safety measures in the production of acetylene from natural gas] Tekhnika bezopasnosti v proizvodstve atsetilena iz prirodnogo gaza. Moskva, Izd-vo "Khimiia," 1964. 146 p.

VOLKOV, A. P. [Wall color in apartments] TSvet sten v kvartire. Kiev, Gosstroiizdat USSR, 1964. 35 p. (chiefly illus.)

VOLOBUEV, G. P. [The ASK-1 semiautomatic sorting conveyor of the Central Scientific Research Institute for Mechanization and Use of Power in Lumbering] Poluavtomaticheskii sortirovochnyi konveier ASK-1 TsNIIME. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 59 p. (Lesoekspluatatsiia)

[MICROFILM]

VOROB'EVA, K. L. [Industrial electronics] Promyshlennaia elektronika; uchebnoe posobie. Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova, 1963. 199 p.

[MICROFILM]

VORONINA, A. A., V. I. SEMENOV, and F. A. MOTUSKO. [Manual on the course "Fundamentals of safety and fire-prevention engineering"] Uchebnoe posobie po kursu "Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki." Moskva, Vses. zaochnyi energ. in-t.

Pt. 1. 1963. 372 p.

VOSKRESENSKII, N. A. [Fish freezing and drying by sublimation] Zamorazhivanie i sushka ryby metodom sublimatsii. Moskva, Rybnoe khoziaistvo, 1963. 256 p.

VSESOIUZNAIA NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA PO LITEINOMU PROIZVODSTVU, 16th. [Main objectives in the expansion of foundry practices and the improvement of their specialization; transactions] Osnovnye zadachi razvitiia liteinogo proizvodstva i uluchsheniia ego spetsializatsii; trudy. Moskva, Mashgiz, 1963. 250 p.

VUKALOVICH, M. P. [Tables of the thermodynamic properties of water and water vapor] Tablitsy termodinamicheskikh svoistv vody i vodianogo para. Izd. 7., perer. i dop. Moskva, Gosenergoizdat, 1963. 401 p. diagrs. (insert)

ZABOROV, V. I., L. N. KLIACHKO, and G. S. ROSIN. [Noise control by sound insulation] Bor'ba s shumom metodami zvukoizoliatsii. Moskva, Izd-vo lit-ry po stroit., 1964. 121 p.

ZAITSEV, A. I. [Economic efficiency of precision casting] Ekonomicheskaia effektivnost' lit'ia po vyplavliaemym modeliam. Moskva, Izd-vo "Mashinostroenie," 1964. 75 p.

ZALESOV, T. D. [Advice to the television viewer] Otvety telezriteliu. [Leningrad] Lenizdat, 1964. 166 p.

ZARINS, P., and others. [Storage and processing of farm products] Lauksaimniecibas produktu uzglabasana un parstradasana. 2. papildinatais izdevums. Riga, Latvijas Valsts izd-ba, 1964. 378 p. [In Latvian]

ZBARSKII, N. A., ed. [Technical innovations in Leningrad bakeries; survey] Tekhnicheskie usovershenstvovaniia na Leningradskikh khlebozavodakh; obzor. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 56 p. (Seriia: Khlebopekarnaia promyshlennost')

[MICROFILM]

ZELENIN, M. A. [Precast reinforced concrete] Sbornyi zhelezobeton. Perm', Permskoe knizhnoe izd-vo, 1960. 22 p. (Bibliotechka molodogo stroitelia)

[MICROFILM]

ZEVAKIN, L. A. [Automation and mechanization in weaving] Avtomatizatsiia i mekhanizatsiia v tkachestve. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 227 p.

[MICROFILM]

ZHOGOVA, V. M. [Problems of radiation microbiology in the sanitary protection of waters] Voprosy radiatsionnoi mikrobiologii v sanitarnoi okhrane vodoemov. Moskva, Meditsina, 1964. 150 p.

ZHOROVA, L. P., G. V. KURGANOV, and B. V. FEDIN. [Modern niobium alloys, the technology of their production and use; review of foreign techniques] Sovremennye niobievye splavy, tekhnologiia ikh proizvodstva i primenenie; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 27 p.

[MICROFILM]

ZOLBERGS, J. [Electric equipment in industrial enterprises] Rupnicu elektroiekartas. Riga, Latvijas Valsts izd-ba, 1963. 410 p. [In Latvian]

ZURABISHVILI, I. I. [Underground mining of manganese deposits] Podzemnaia razrabotka margantsevykh mestorozhdenii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 407 p.

ZVEREV, A. E., and V. D. KURGANOV. [Mathematical methods for analyzing linear electrical networks] Matematicheskie metody analiza lineinykh elektricheskikh tsepei; uchebnoe posobie. Pod obshchei red. S. A. Zvereva. Moskva, Mosk. aviatsionnyi tekhnologicheskii in-t, 1963. 154 p.

17. MILITARY & NAVAL SCIENCES

ABRAMOV, S. A., and V. A. BATRAKOV. [Electronic digital computers and troop supply] Elektronnye tsifrovye mashiny i snabzhenie voisk. Moskva, Voenizdat, 1964. 242 p.

ANTOMONOV, IU. G. [Calculation of systems optimal in respect to response time; ship navigation along its course] Raschet sistem, optimal'nykh po bystrodeistviiu; upravlenie sudnom po kursu. Leningrad, Sudostroenie, 1964. 68 p.

BAZHENOV, N., and others. [Under the banner of the All-Russian Central Executive Committee; a short combat history of the Regiment of Red Eagles] Pod znamenem VTsIK; kratkaia boevaia istoriia polka Krasnykh orlov. Moskva, Voenizdat, 1963. 151 p.
(MH)

BEL'SKII, L. L. [Airplane is ready for flight] Samolet k poletu gotov! Moskva, Voenizdat, 1964. 54 p. (Otlichniki ucheby - o svoem opyte)

BYKHOVSKII, D. G. [Oxygen-arc cutting of metals in shipbuilding] Gazoelektricheskaia rezka metallov v sudostroenii. Leningrad, Sudostroenie, 1964. 167 p.

BYKOV, V. I. [The Loran pulse-type radio navigation system] Impul'snaia radionavigatsionnaia sistema "Loran." Moskva, Izd-vo "Transport," 1964. 131 p.

DUBINSKII, I. V. [In spite of the winds; a story] Naperekor vetram; povest'. Moskva, Voenizdat, 1964. 271 p.

FOKIN, IU. V. [Bending operations in the construction of ship hulls] Opyt gibochnykh rabot v korpusostroenii. Leningrad, Sudpromgiz, 1963. 97 p.

GOROKHOVSKII, S. M. [Balancing of ship propellers] Balansirovka grebnykh vintov. Leningrad, "Sudostroenie," 1964. 142 p.

ITSKOVICH, IU. L. [Electric drives on ships] Sudovye elektricheskie privody. Moskva, [Izd-vo "Morskoi transport,"] 1963. 583 p.

KARAEV, G. N., IU. N. IABLOCHKIN, and T. I. VOROB'EV. [Through places of battle glory; Leningrad and Leningrad Province] Po mestam boevoi slavy; Leningrad i Leningradskaia oblast'. [Leningrad] Lenizdat, 1963. 466 p.

KATUNSKII, A. M., and V. P. TARASENKOV. [Operation of tanks; a manual for a tank crew] Ekspluatatsiia tankov; posobie tankovomu ekipazhu. Moskva, Voenizdat, 1964. 142 p.

KISELEV, S. P., and IU. V. CHUEV. [Dispersion of rockets] Rasseivanie raket. Moskva, Voenizdat, 1964. 85 p. (Seriia: Raketnaia tekhnika)

KORTSENSHTEIN, E. IA. [Submersible electric marine pumps] Sudovye pogruzhnye vodootlivnye elektronasossy. Leningrad, Izd-vo "Sudostroenie," 1964. 173 p.

LUCHANSKII, I. A., and A. A. IANOVSKII. [From the oar to the water jet propeller] Ot vesla do vodometa. Leningrad, Izd-vo "Sudostroenie," 1964. 208 p.

MAKUSHENKO, G. T. [Team operations in civil defense fire prevention. Deistviia zvena protivopozharnoi zashchity grazhdanskoi oborony. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1963. 74 p. [In Georgian]

MIGAI, K. V., O. N. TIMOFEEVA, and E. I. IUSHTIN. [Safety measures during electric welding operations in shipbuilding] Tekhnika bezopasnosti pri elektrosvarochnykh rabotakh v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 59 p. (Bibliotechka po tekhnike bezopasnosti)

MILOVIDOV, A. S. [The ethical code and moral education of soldiers] Moral'nyi kodeks i nravstvennoe vospitanie voinov. Moskva, Voenizdat, 1964. 83 p.

NAGORNYI, V. A. [The soldier's family] Soldatskaia sem'ia. Moskva, Voenizdat, 1964. 60 p.

NAKHTMAN, F. V. [Mechanization of minor operations in the fitting-out of ship hulls] Malaia mekhanizatsiia korpusodostroechnykh rabot. Leningrad, "Sudostroenie," 1964. 114 p.

NIELSEN, JACK N. [Missile aerodynamics. Translated from the English] Aerodinamika upravliaemykh snariadov. Moskva, Oborogniz, 1962. 468 p. (CStmoR)

NOGID, L. M. [Design of seagoing ships] Proektirovanie morskikh sudov. Leningrad, Izd-vo "Sudostroenie."
  Pt. 1. [Methods of determining the elements of a proposed ship] Metodika opredeleniia elementov proektiruemogo sudna. 1964. 358 p.

OREKHOV, I. G. [Accidents in marine boiler plants] Avarii sudovykh kotel'nykh ustanovok. Moskva, Izd-vo "Transport," 1964. 109 p.

PEVZNER, B. M. [Marine centrifugal and axial pumps] Sudovye tsentrobezhnye i osevye nasosy. Izd. 2., perer. i dop. Leningrad, "Sudostroenie," 1964. 384 p.

PISANNIKOV, G. P. [Control of electric propulsion drives and their maintenance] Upravlenie rulevymi elektroprivodami i ukhod za nimi. Pod red. G. M. Nikitina. Moskva, Izd-vo "Rechnoi transport," 1963. 109 p.

POSHERSTNIK, M. IU., and M. A. SALIUTINA. [Thermal calculations of ship cables] Teplovoi raschet sudovykh kabelei. Leningrad, Izd-vo "Sudostroenie," 1964. 238 p.

SAPOZHNIKOV, E. N., V. N. RODIONOV, and G. M. GARASHCHENKO. [Manual for an amateur navigator] Posobie sudovoditeliu-liubiteliu. Izd. 2., perer. i dop. Kiev, Izd-vo "Tekhnika," 1964. 277 p.

SAZONOV, A. E., and IU. M. FILIPPOV. [Mathematical principles of the automation of ship navigation] Matematicheskie osnovy avtomatizatsii sudovozhdeniia. Moskva, Izd-vo "Transport," 1964. 175 p.

SHARIPOV, A. A. General N. V. Krisanov. [Perm'] Permskoe knizhnoe izd-vo, 1963. 50 p. (Zamechatel'nye liudi Prikam'ia)

SHARIPOV, A. A. [General of the Army Cherniakhovskii; a biographical story] General armii Cherniakhovs'kyi; biografichna povist'. Kyiv, "Molod'," 1963. 401 p.

SHUMOVSKII, T. A. [Arabs and the sea; scanning the pages of manuscripts and books] Araby i more; po stranitsam rukopisei i knig. Moskva, Izd-vo "Nauka," 1964. 190 p.

SKUIBEDA, P. I., ed. [Swedish-Russian military dictionary] Shvedsko-russkii voennyi slovar'. Sost. M. V. Litvinenko i dr. Moskva, Voenizdat, 1964. 432 p.

STRELOV, A. B. [M. V. Frunze Higher Naval School of the Order of the Red Banner and the Orders of Lenin and Ushakov] Vysshee Voenno-Morskoe Krasnoznamennoe ordenov Lenina i Ushakova uchilishche imeni M. V. Frunze. Moskva, DOSAAF, 1957. 54 p.

STUCHENKO, A. T. [Our destiny is enviable] Zavidnaia nasha sud'ba. Moskva, Voenizdat, 1964. 253 p. (Voennye memuary)

TEREKHOV, A. F. [At the cost of his life] TSenoiu zhizni. Moskva, Voenizdat, 1963. 120 p.

TERENT'EV, A. V. [Overall mechanization of fishing harbors] Kompleksnaia mekhanizatsiia rybnykh portov. Moskva, Rybnoe khoziaistvo, 1963. 168 p.

TSIVILEV, M. P., ed. [Engineering and rescue work in the region of a nuclear explosion] Inzhenerno-spasatel'nye raboty v ochage iadernogo porazheniia. [By] I. D. Volkov i dr. Moskva, Stroiizdat, 1964. 149 p.

VERETE, A. G. [Marine power plants; collection of lectures] Sudovye silovye ustanovki; sbornik lektsii. Moskva, Izd-vo "Morskoi transport."
  No. 1. [Principles of heat engineering] Osnovy teplotekhniki. 1963. 64 p. (Lektsii dlia zaochnikov)

VOEVODIN, N. F. [Effect of cargo loading on the stability of ships] Vliianie priema gruza na ostoichivost' sudna. Leningrad, "Sudostroenie," 1964. 165 p.

PART B PERIODICALS

Asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of all translated periodicals their subscription prices, etc., see listing at end of this issue

I. GENERAL

a. [illegible]

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR. [illegible] (ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. [illegible]) [illegible], 1964.

Table of contents translated:
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

AKADEMIIA NAUK [illegible] SSR, [illegible] (ACADEMY OF SCIENCES OF THE [illegible] S.S.R. [illegible]) [illegible], 1963.

Table of contents translated:
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Proposed expansion of the Bashkir chemical industry, p. 98.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia. Seriia estestvennykh i tekhnicheskikh nauk (ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin. Series in the Natural and Technological Sciences, Frunze, vol. 6, no. 3, 1964. Organicheskaia khimiia (Organic chemistry))

Table of contents translated:
Abdurakhmanova, [illegible], and others. - Preparation of glutamic acid, [illegible], and other valuable substances by the ion-exchange [illegible] from molasses and waste products of the processing,

p.7.
[illegible], Batsher, M.L., Zakharov, E.M. - [illegible] effect on the ion exchange [illegible] at manufacture, p.11.
[illegible], Kotova, [illegible] - Use of [illegible] in the extraction of substances from plants, p.17.
[illegible], [illegible] - [illegible] of studying the mechanism and kinetics of [illegible], p.23.
[illegible] - Inter-[illegible] the building properties of [illegible], p.31.
[illegible] - Study of the [illegible] of oxidation of [illegible], p.43.
[illegible], Gilianova, [illegible] - Study of the kinetics and mechanism of [illegible], p.51.
[illegible], Morozova, V.I. - Composition and properties of coals from Kara-Keche fields, p.61.
[illegible], [illegible] - [illegible] from the [illegible], p.67.
[illegible] - Manganese-[illegible] and [illegible], p.77.

Vol. [illegible], no. [illegible], 1963.
Table of contents translated:
[illegible] - Earthquakes that occurred in [illegible], 1961, p.7.
[illegible], Dzhanuzakov, K. - The Sary-Kamysh earthquake of [illegible], p.13.
[illegible] - Relation between the intensity, velocity, area of propagation, and energy of earthquakes as dependent on the depth of the earth's crust, p.27.
[illegible] - [illegible], p.31.
[illegible] - [illegible] in Kirghizstan, p.35.
[illegible] - Analysis of some problems of the [illegible] in the theory of [illegible], p.41.
[illegible] - [illegible] from the surface of [illegible], p.52.
[illegible] - Simultaneous spectral determination of silicon, carbon, sulfur, phosphorus, manganese, and chromium in [illegible], p.99.
[illegible] - Effect of [illegible] work hardening on the durability of steel, p.107.
[illegible] - Use of the method of [illegible] to determine the size of [illegible] in [illegible] steel in fatigue tests, p.111.
[illegible] - X-ray diffraction study of the mechanics of fatigue in alloyed steel surface-hardened by grinding, p.119.
[illegible] - Studying the concentration of metal at the point of fatigue fracture in [illegible] steel, p.125.
[illegible] - Polarization of [illegible] atoms by optical pumping and the determination from the varying intensity of light transmission, p.129.
[illegible] - Ideally brittle bodies, p.133.
[illegible] - Structural changes in iron-nickel alloys during reverse martensitic transformation, p.139.
[illegible] - Changes in the fine crystalline structure of annealed alloyed steel under alternating stress, p.145.

Vol. 8, no. 1, 1964.
Table of contents translated:
Isaev, A.L. - Modern geography and several problems in the future development of industrial ranges, p.4.
[illegible], Isaev, D.I. - Climatic elements of the Kurshab Depression, p.19.

Aliev, Z.A., Isaev, D.I. - The Talas Depression, a geomorphological study, p.29.
[illegible], B.Sh. - Precipitation, its laws and prospects for developing the Frunze industrial center, p.41.
[illegible], A.Dzh. - Soils of the northern slopes of Kirghiz Ala-Tau within the limits of Kalininskiy District, p.55.
Isaev, D.I. - A geomorphological map of Kirghizstan, p.67.
[illegible], Sh.I. - Gravitational phenomena in the [illegible] Valley, p.71.
[illegible], M.F. - Third book "The climatic description of Central Asian Republics," p.73.

AKADEMIIA NAUK SSSR. Vestnik (ACADEMY OF SCIENCES OF THE U.S.S.R. Journal), Moscow, vol.34, no.1, Jan. 1964.

Table of contents translated:
[illegible], V.A., Keldysh, M.V. - Principal tasks facing the chemical sciences, p.3.
Sokolov, A.V. - Agricultural chemistry and farming, p.10.
Fedorov, E.K. - Reequipping hydrometeorology, p.16.
Troitskaya, V.A. - Fast variations in the earth's electromagnetic field, and some processes going on in the upper atmosphere, p.30.
[illegible], M.I. - The problem of transforming the water supply, p.36.
[illegible], I.M. - Synchronous acceleration with a variable [illegible] constant, p.42.
Popov, G.M. - Microdisplacements of ultrahigh speed electrons, p.54.
[illegible], A.A., [illegible] - Methodological seminars held by Geological scientists, p.45.
[illegible], N.V. - [illegible] conference on the Physics of electron-atom collisions, p.49.
[illegible], N.V. - Extensive program exploring the earth (International Assembly of IUGG in the U.S.A.), p.53.
[illegible] - Some basic problems in the theory of shells, symposium held in Warsaw, p.[illegible].
Ivanov, V.T. - Chemistry of peptides, symposium held at Athens, p.61.
Symposium on the Physics and Chemistry of [illegible], held in the German Democratic Republic, p.66.
[illegible], V.A. - International Conference on the Development of [illegible], held at Liege, p.70.
[illegible] - Philosophical Congress in Mexico, p.74.
[illegible], A.I. - Seventh Congress of the National Association of Italian Mathematicians, p.76.
[illegible], A.N. - Sixth International Conference on Ionization Effects in Gases, p.79.
[illegible] - Colloquium on Low-energy Nuclear Physics, p.80.
[illegible], N.V. - International Symposium on the [illegible] of DNA, p.81.
[illegible], Z.M. - Symposium on the Mechanics of Rocks, p.82.
[illegible], A.N. - Nineteenth International Congress of the International Association of Theoretical and Applied Chemistry, p.83.
[illegible], A.V. - Conference on Modern Methods of Analytical Chemistry, p.84.
[illegible], N.V. - Conference on the Chemistry and Physics of Surface-active Substances and their Technological Uses, p.86.
Vinogradov, G.V. - Symposium on Lubricants and Lubrication technique, p.87.
[illegible] - Symposium on [illegible], p.88.
[illegible] - Symposium on Bacterial Transformation and [illegible], p.89.
[illegible] - Symposium on [illegible], p.90.
[illegible], N.A. - Symposium on Water Deficiency in Plants, p.91.

Dzhabbarov, N.I., Perfil'ev, M.N. - Against the bourgeois distorted views on the possibility of transforming the social nature of man. p.31.
Byzgo, T.S. - Establishment of the National School of Musical Composition in Uzbekistan. p.38.
Valieva, D.V. - From the history of Soviet-Iranian cultural relations; activities of the Iranian Association for Cultural Relations with the U.S.S.R. p.45.
Irkakhodzhaev, K. - Further perfecting of the activities of the Supreme Court of the Uzbek S.S.R. p.50.
Shapovalenko, V.I. - Development of the rationalization movement in the industry of Uzbekistan during the postwar period, 1945-1953. p.52.
Gol'ianova, T.V. - The training of teachers' groups in Uzbekistan in the years of the Great Patriotic War. p.54.
Koshchanov, A. - Irrigation in the Khiva Empire from the end of the 19th century to the beginning of the 20th century. p.57.
Aminova, R.Kh., IAtsyshina, A.F. - The first comprehensive work on the history of the national economy of Uzbekistan. p.64.
Ganiev, A. - A conference on the typology of Oriental languages in Moscow. p.64.
Guliamov, IA.G. - Activities of the Makhandarya Archaeological Section in 1963. p.65.

OREL. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 18, 1963. Kafedra zoologii [Department of Zoology], no.1.

Table of contents translated:
Lakin, G.F. - Relation between the form and the function in the development of animals. p.3.
Bondrenkov, G.E. - Outbreak of mass reproduction of slugs in Orel Province in 1957. p.21.
Bodrenkov, G.E. - Materials on pests of the winter rye in Orel Province. p.39.
Bodrenkov, G.E. - Distribution of weevils in the agricultural areas near the Voronezh Agricultural Institute. p.81.
Bodrenkov, G.E. - Populations of some species of weevils in the agricultural areas near the Voronezh Agricultural Institute. p.84.
Iliukhin, M.A. - Corn frit fly in Orel Province. p.87.
Kostrubina, E.N. - Nature of the course of oculocardiac reflex in adults. p.93.
Kostrubina, E.N. - Age characteristics of the oculocardiac reflex. p.101.
Galakhov, V.I. - Role of duodenum receptors in the exacrinous function of the pancreas. p.111.
Galakhov, V.I. - Use of the air-water system for recording the secretion of pancreatic juice. p.119.
Galakhov, V.I. - Polyfistulous methods for studying the relation between pancreas and duodenum. p.124.
Galakhov, V.I., IUrov, V.V. - Electrophysiological study on the exclusion of the afferent impulsation in intestine nerves by dicaine. p.131.
Lakin, G.F. - Experimental data on the creative role of artificial selection. p.137.
Lakin, G.F. - Creative role of selection. p.153.
Galakhov, V.I. - Methods of the introduction of electrodes into large trunks of nerves. p.160.

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. Nos.132,134, 1963.

b. POPULAR MAGAZINES

AMERIKA; illiustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D.C., no.93, 1964.

AZIIA I AFRIKA SEGODNIA [ASIA-AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Azia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.7, no.5, May 1964.

Table of contents translated:
Kudriavtsev, V. - Under the banner of Addis-Ababa. p.2.
Agabekov, G. - Leninist ideas are conquering the world. p.5.
International character of the Soviet press. p.7.
Piadyshev, B. - Peace as the master of the boundaries. pp.8, 36.
Zabirov, B. - Prophesies that didn't come true. p.10.
Ivanov, E. - Class struggles are growing. p.13.
Elenin, L. - The wage labor army in Africa. p.16.
Klochkovskii, L. - The remnants of colonialism in international trade must be abolished. p.19.
Piliatskin, B. - Morning of "spice island." p.22.
Sergienko, T. - Petroleum and independence. p.24.
Bodianskii, V. - Kuwait, the Arabian banker. p.26.
Mozheiko, Igor' - Urgent problems. p.30.
Makarenko, V. - In the country of the Tamils. p.33.
Holiday of the free Afghanistan. p.35.
Nigeria wants peace. p.37.
Machikiza, Todd. - Chocolates for my wife; excerpts from a book. p.38.
Family, peace, freedom; poems. p.44.
Zurabian, T. - What Matanderan is doing for men. p.45.
Mitrofanov, N. - "Every field has its own grasshoppers..." p.47.
Kasatkin, D. - The "Anglo-American Corporation of South Africa." p.49.
Ol'ginskii, I. - Why the governor of Togo came from Bonn? p.53.
Geivandov, K. - They make profit even on this... p.55.
Mil'grom, N. - West German militarists against the Cypriots. p.55.
Skomorokhov, L. - Zaibatsu is rushing to Indonesia. p.56.
Gromozdov, G. - Sad figures. p.57.
Goncharuk, D. - "Songs of Hiroshima." p.58.
Mikhailov, G. - Storks must be trusted. p.58.
Vladimirov, G. - In the name of equal rights. p.58.
Kamal', M. - A great uprising. p.59.
Shilkov, A. - "Attribute of good manners." p.60.

BELARUS' [WHITE RUSSIA]. Minsk, vol.21, no.4(225), Apr. 1964.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet piianerskai arganizatsyi imia V.I.Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, nos.4-5, Apr.-May 1964.

CHAIAN [SCORPION]. Kazan, vol.41, nos.9(606)-10(607), May 1964.

DADZIS [THISTLE]. Riga, no.10(178), 1964. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol.14, no.5(189), May 1964. [In Ukrainian]

KHORPUSHTAK [HEDGEHOG]. Dushanbe, no.5(132), May 1964. [In Tajik]

KIRPI [HEDGEHOG]. Baku, no.8(284), Apr. 1964. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, no.5, 1964.

KOSTER [CAMPFIRE]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, nos.3,5, Mar., May 1964.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol.42, nos.13(1735)-15(1737), May 1964.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol.8, no.6, 1964.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiuhingute Noukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol.7, no.5, May 1964. [In Estonian]

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no.5, May 1964. [In Latvian]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I.Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I.Lenin All-Union Pioneer Organization]. Moscow, no.5, May 1964.

MUSHTUM [PUNCH]. Tashkent, vol.42, no.9(675), May 1964. [In Uzbek]

MY I SVIT. WE AND THE WORLD. Toronto, vol.15, nos.110-111, Feb.-Mar. 1964.

NOORUS [YOUTH]. Issued by Eestimaa Leniniliku Kommunistliku Noorsoouhingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, no.5, 1964. [In Estonian]

OGONEK [THE LITTLE LIGHT]. Moscow, vol.42, nos.19(1924)-24(1929), May-June 1964.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, no.4(161), Apr. 1964.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol.24, no.10(525), May 1964.

PILT JA SONA [PICTURE AND WORD]. Tallinn, vol.19, no.5(216), May 1964. [In Estonian]

PIONEER [PIONEER]. Issued by ELKNU Keskkomitee and Eesti NSV Pioneeriorganisatsiooni Noukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S.S.R.]. Tallinn, vol.22, no.5(259), May 1964. [In Estonian]

PIONER [PIONEER]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I.Lenina. [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.41, no.5, May 1964.

PIONER [PIONEER]. Erivan, no.5, May 1964. [In Armenian]

PIONER [PIONEER]. Ufa, no.5, May 1964. [In Bashkir]

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pioners'koi organizatsii imeni V.I.Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol.41, no.6(487), June 1964.

POL'SHA [POLAND]. Warsaw, nos.4(116)-5(117), 1964.

RODINA [OUR COUNTRY]. Issued by Komitet za vozvrashchenie na Rodinu i razvitie kul'turnykh sviazei s sootechestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, vol.6, no.2, Mar.-Apr. 1964.

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vols.9,11, nos.118,124, Jan., July 1964.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol.31, no.5, May 1964.

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos.9(232)-10(233), May 1964. [In Lithuanian]

SOGLASIE [CONCORD]. Los Angeles, Calif., vol.13, no.150, Mar. 1964.

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no.5, May 1964.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no.6(172), 1964.

SOVREMENNAIA MONGOLIIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol.9, no.4(75), Apr. 1964.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol.16, nos.9(369)-10(370), May 1964. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol.24, no.19(383), May 1964.

ŪZBEKISTON [UZBEKISTAN]. Tashkent, vol.23, no.4, (268), Apr. 1964.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I.Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.40, no.5, May 1964.

VOZHYK [HEDGEHOG]. Minsk, vol.24, no.8(582), Apr. 1964.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol.11(17), nos.5(190)-6(191), May-June 1964.

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol.17, no.5, May 1964.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of Tsentral'noe pravlenie Vserossiiskogo obshchestva slepykh [Central Administration of the All-Russian Society of the Blind]. Moscow, vol.40, no.5, May 1964.

ZVAIGZNE [THE STAR]. Riga, vol.14, no.10[illegible], May 1964. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

[illegible] ZHURNAL UKRAINS'KOI BIBLIOHRAFII [JOURNAL OF UKRAINIAN BIBLIOGRAPHY]. New York, vol.III, no.1(10), Jan.-Feb. 1963.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol.8, nos.9-10, May 1964.

JAUNAS GRAMATAS [NEW BOOKS]. Riga, no.4[illegible], Apr. 1964. [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.21-22, 1964. (Ukazatel' seriinykh izdanii za 1963 g. [Series index for 1963])

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.5, 1964.

LETOPIS' RETSENZII [CHRONICLE OF REVIEWS]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.2, 1964.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.19-22, 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]. Vol.2, nos.13-14, May 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol.7, nos.13-14, May 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol.7, nos.14-15, Apr.-May 1964.

SVODNYI BIULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriia B: Obshchestvennye nauki [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series B: Social Sciences]. Moscow, no.4(72), 1964.

VSESOIUZNAIA KNIZHNAIA PALATA. Bibliografiia sovetskoi bibliografii, 1962 [ALL-UNION BOOK CHAMBER. Bibliography of Soviet Bibliography, 1962]. Moscow, 1963.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, no.5, May 1964.

Table of contents translated:
Preface. p.1.
Marchenko, M. - In touch with life. p.4.
Apatova, R. - For those who grow good crops. p.6.
Vlasova, I. - Bring new and advanced methods into the work. p.8.
[illegible], I. - An honorary title imposes obligations. p.10.
[illegible], V. - Everybody are our readers. p.11.
[illegible], D., [illegible], L. - Duty of all libraries. p.13.
[illegible], I. - Our most important task. p.17.
[illegible], I. - [illegible] worker. p.19.
[illegible], I. - [illegible] that there [illegible] p.21.
[illegible], Z. - [illegible] work, [illegible] life, modern man. p.23.
[illegible], Zh. - For leaders of [illegible] groups. p.27.
[illegible], I. - We work with the [illegible]. p.29.
[illegible], N. - [illegible] of our [illegible]. p.30.
The place of [illegible] in the [illegible] system. p.32.
[illegible], E. - "[illegible]" in libraries. p.34.
[illegible], I. - Improving the skill of workers in Soviet libraries. p.36.
[illegible], A., [illegible], N. - [illegible] reading". p.38.
[illegible], I. - [illegible] existing in a large [illegible]. p.41.
[illegible], [illegible], N. - Librarian's work. p.43.
[illegible], [illegible] - [illegible] p.47.
The reader's [illegible] p.48.
[illegible], I. - [illegible] p.51.
[illegible], A. - [illegible] p.53.
[illegible], V. - [illegible] p.56.
[illegible], I. - [illegible] p.57.
[illegible], I., [illegible], I. - [illegible] p.59.
[illegible], V. - [illegible] p.57.
[illegible], V. - [illegible] p.60.
Letters to the editor. p.61.
In a few lines. p.62.
New books. p.63.

INFORMATSIONNYI BIULLETEN' [illegible] [illegible] [LIBRARY SCIENCE AND BIBLIOGRAPHY. [illegible]] [illegible] V.I.Lenin [illegible] [illegible] Library Science and Bibliography [illegible] the V.I.Lenin State Library]. Moscow, no.2, 1964.

c. PRINTING & THE BOOK TRADE

MOSCOW. [illegible] [illegible] INSTITUT [illegible] [illegible] [illegible] INSTITUTE OF THE PRINTING INDUSTRY. Scientific Papers]. No.14, 1963.

PECHAT' SSSR, 1963. [illegible] [THE PRESS OF THE U.S.S.R., 1963. Statistical Materials]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, 1964.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie [illegible] pechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no.5, 1964.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.17, no.12, 1963.

Table of contents translated:
Fedoseev, P.N. - Elaboration by V.I.Lenin of the problems of scientific communism. p.3.
[illegible], V.N. - Some pressing problems of social psychology. p.14.
[illegible], N.M. - Relation of information and processes in complex systems. p.25.
[illegible], V.I. - Role of the analysis of changing object in the process of cognition. p.35.

Berelugov, I.I. - Formation of the uniform nature of a communist society. p.45.
Strigacheva, E.I. - Physical perfection is an inalienable trait of the harmoniously developed individual. p.54.
Gol'dentrikht, S.S. - Aesthetic nature of communist labor. p.59.
Muradalian, Kh.N. - Diderot's philosophy and present-day reality. p.66.
Dirac, P.A.M. - Evolution of the physicists' views on nature. p.[illegible]
Timofeev, I.S. - Elementary forms of the knowledge of quality by quantitative methods. p.[illegible]
Kos'mina, T.A. - Crisis of bourgeois individualism and protestant [illegible]. p.108.
Agafonova, S.M. - Social characteristics of Thomas Munro's aesthetics. p.117.
Kelle, V.Zh., Koval'zon, M.IA. - Historical materialism as a branch of science and the program of its study. p.126.
Zheludev, G.D. - From physics to philosophy and from philosophy to physics. p.135.
[illegible], A.P., [illegible], A.T. - A coordinating conference of the institutions of philosophical studies. p.147.
[illegible], D.D. - A session devoted to the 250th anniversary of Denis Diderot's birth. p.152.
[illegible], M.T., Kravis, [illegible]A. - International Philosophical Symposium in Yugoslavia. p.154.
Alekseev, I.A. - Philosophical discussions in Bulgaria. p.155.
[illegible], A.F. - The tenth session of Pakistan's Philosophical Congress. p.[illegible]
[illegible], D.Z. - This problem should be studied by a group of scholars. p.[illegible]
[illegible], L.B. - A philosophical study of the peculiarity of [illegible]. p.163.
[illegible], I.M. - An [illegible] of Japanese thought. p.169.
[illegible], [illegible] - "Present day intellectual work [in Japanese]" by Shiata [illegible]. p.170.
[illegible], [illegible] - "Georg Antonio, his ideas, and his role as a [illegible] of the materialistic conception of nature" [in German] by [illegible]. p.[illegible]
[illegible], Sh.V. - Vague exposition of an important problem. p.177.
[illegible] philosophical literature. p.178.
[illegible] articles published in our periodicals in 1963. p.[illegible]

Vol.18, no.3, 1964.

Table of contents translated:
Editorial. Intensify attention to the principal trend. p.5.
[illegible] - Fundamental contradictions of our period and the future of Latin American peoples. p.11.
[illegible], A.F. - Taking [illegible] progress in production. p.17.
[illegible], V.I. - Intensification of production [illegible] integration. p.27.
[illegible], H.M. - Methodological problem in natural sciences. p.38.
[illegible], I.V., [illegible], [illegible]IA. - Subject matter of philosophical research related to natural sciences. p.[illegible]
[illegible], P.V. - The logic of scientific research and its basic concepts. p.[illegible]
[illegible], P.V. - The logic of scientific knowledge and contemporary formal logic. p.[illegible]
Ashby, W. Ross. - Systems and information. p.[illegible]
[illegible], V.S., [illegible], A.F. - Category of "interaction" and Pauli's principle in physics. p.[illegible]
[illegible], S.V. - The principle of relativism in physics and its connection with the principle of correspondence. p.[illegible]
[illegible], L.R. - Criticism of the theoretical foundations of the bourgeois "sociology of knowledge". p.105.
[illegible], IU.M. - Kant and contemporary irrationalism. p.114.
[illegible], A.I. - Subject matter and tasks of the historiography of philosophy. p.122.
[illegible], L.M. - The psychic image as a signal. p.140.
[illegible], V.I. - The [illegible] formation. p.[illegible]
[illegible], V.V. - A new step elaborating on the Leninist philosophical legacy. p.158.
[illegible], V.S., [illegible], S.B., [illegible], V.A. - A serious research work in the history of philosophy. p.162.
Leont'ev, A.N. - Brain and psyche. p.164.
[illegible], [illegible], [illegible], A.I. - First experiment. p.[illegible]
[illegible], M.IA. - The strength of revolutionary ideas. p.171.
[illegible], L.B., [illegible], M.F. - An analysis of the categories; things, properties, relations. p.173.
[illegible], L.A. - M.V.[illegible]'s "Art and education aesthetics." p.175.
Letter to the journal "Voprosy filosofii." p.180.
New literature. p.181.
English summaries. p.184.

Dzhabbarov, N.I., Perfil'ev, M.N. - Against the bourgeois distorted views on the possibility of transforming the social nature of man. p.31.

Dyzgo, T.S. - Establishment of the National School of Musical Composition in Uzbekistan. p.38.
Valieva, D.V. - From the history of Soviet-Iranian cultural relations; activities of the Iranian Association for Cultural Relations with the U.S.S.R. p.45.
Irkakhodzhaev, K. - Further perfecting of the activities of the Supreme Court of the Uzbek S.S.R. p.50.
Shapovalenko, V.I. - Development of the rationalization movement in the industry of Uzbekistan during the postwar period, 1945-1953. p.52.
Gol'ianova, T.V. - The training of teachers' groups in Uzbekistan in the years of the Great Patriotic War. p.54.
Koshchanov, A. - Irrigation in the Khiva Empire from the end of the 19th century to the beginning of the 20th century. p.57.
Aminova, R.Kh., IAtsyshina, A.F. - The first comprehensive work on the history of the national economy of Uzbekistan. p.64.
Ganiev, A. - A conference on the typology of Oriental languages in Moscow. p.64.
Gullamov, IA.G. - Activities of the Makhandarya Archaeological Section in 1963. p.65.

OREL. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 18, 1963. Kafedra zoologii [Department of Zoology], no.1.

Table of contents translated:
Lakin, G.F. - Relation between the form and the function in the development of animals. p.3.
Bondrenkov, G.E. - Outbreak of mass reproduction of slugs in Orel Province in 1957. p.21.
Bodrenkov, G.E. - Materials on pests of the winter rye in Orel Province. p.39.
Bodrenkov, G.E. - Distribution of weevils in the agricultural areas near the Voronezh Agricultural Institute. p.81.
Bodrenkov, G.E. - Populations of some species of weevils in the agricultural areas near the Voronezh Agricultural Institute. p.84.
Iliukhin, M.A. - Corn frit fly in Orel Province. p.87.
Kostrubina, E.N. - Nature of the course of oculocardiac reflex in adults. p.93.
Kostrubina, E.N. - Age characteristics of the oculocardiac reflex. p.101.
Galakhov, V.I. - Role of duodenum receptors in the exacrinous function of the pancreas. p.111.
Galakhov, V.I. - Use of the air-water system for recording the secretion of pancreatic juice. p.119.
Galakhov, V.I. - Polyfistulous methods for studying the relation between pancreas and duodenum. p.124.
Galakhov, V.I., IUrov, V.V. - Electrophysiological study on the exclusion of the afferent impulsation in intestine nerves by dicaine. p.131.
Lakin, G.F. - Experimental data on the creative role of artificial selection. p.137.
Lakin, G.F. - Creative role of selection. p.153.
Galakhov, V.I. - Methods of the introduction of electrodes into large trunks of nerves. p.160.

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. Nos.132,134, 1963.

b. POPULAR MAGAZINES

AMERIKA; illiustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D.C., no.93, 1964.

AZIIA I AFRIKA SEGODNIA [ASIA-AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Azia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.7, no.5, May 1964.

Table of contents translated:
Kudriavtsev, V. - Under the banner of Addis-Ababa. p.2.
Agabekov, G. - Leninist ideas are conquering the world. p.5.
International character of the Soviet press. p.7.
Pladyshev, B. - Peace as the master of the boundaries. pp.8, 36.
Zabirov, B. - Prophesies that didn't come true. p.10.
Ivanov, E. - Class struggles are growing. p.13.
Elenin, L. - The wage labor army in Africa. p.16.
Klochkovskii, L. - The remnants of colonialism in international trade must be abolished. p.19.
Piliatskin, B. - Morning of "spice island." p.22.
Sergienko, T. - Petroleum and independence. p.24.
Bodianskii, V. - Kuwait, the Arabian banker. p.26.
Mozheiko, Igor'. - Urgent problems. p.30.
Makarenko, V. - In the country of the Tamils. p.33.
Holiday of the free Afghanistan. p.35.
Nigeria wants peace. p.37.
Machikiza, Todd.- Chocolates for my wife; excerpts from a book. p.38.
Family, peace, freedom; poems. p.44.
Zurabian, T. - What Matanderan is doing for men. p.45.
Mitrofanov, N. - "Every field has its own grasshoppers..." p.47.
Kasatkin, D. - The "Anglo-American Corporation of South Africa." p.49.
Ol'ginskii, I. - Why the governor of Togo came from Bonn? p.53.
Geivandov, K. - They make profit even on this... p.55.
Mil'grom, N. - West German militarists against the Cypriots. p.55.
Skomorokhov, L. - Zaibatsu is rushing to Indonesia. p.56.
Gromozdov, G. - Sad figures. p.57.
Goncharuk, D. - "Songs of Hiroshima." p.58.
Mikhailov, G. - Storks must be trusted. p.58.
Vladimirov, G. - In the name of equal rights. p.58.
Kamal', M. - A great uprising. p.59.
Shilkov, A. - "Attribute of good manners." p.60.

BELARUS' [WHITE RUSSIA]. Minsk, vol.21, no.4(225), Apr. 1964.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet piianerskai arganizatsyi imia V.I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, nos.4-5, Apr.-May 1964.

CHAIAN [SCORPION]. Kazan, vol.41, nos.9(606)-10(607), May 1964.

DADZIS [THISTLE]. Riga, no.10(178), 1964. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol.14, no.5(189), May 1964. [In Ukrainian]

KHORPUSHTAK [HEDGEHOG]. Dushanbe, no.5(132), May 1964. [In Tajik]

KIRPI [HEDGEHOG]. Baku, no.8(284), Apr. 1964. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, no.5, 1964.

KOSTER [CAMPFIRE]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, nos.3,5, Mar., May 1964.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol.42, nos.13(1735)-15(1737), May 1964.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol.8, no.6, 1964.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiuhingute Noukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol.7, no.5, May 1964. [In Estonian]

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no.5, May 1964. [In Latvian]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, no.5, May 1964.

MUSHTUM [PUNCH]. Tashkent, vol.42, no.9(675), May 1964. [In Uzbek]

MY I SVIT. WE AND THE WORLD. Toronto, vol.15, nos.110-111, Feb.-Mar. 1964.

NOORUS [YOUTH]. Issued by Eestimaa Leninliku Kommunistliku Noorsoouhingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, no.5, 1964. [In Estonian]

OGONEK [THE LITTLE LIGHT]. Moscow, vol.42, nos.19(1924)-24(1929), May-June 1964.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, no.4(151), Apr. 1964.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina. "Kiev, vol.24, no.10(525), May 1964.

PILT JA SONA [PICTURE AND WORD]. Tallinn, vol.15, no.5(216), May 1964. [In Estonian]

PIONEER [PIONEER]. Issued by ELKNU Keskkomitee and Eesti NSV Pioneeriorganisatsiooni Noukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S.S.R.]. Tallinn, vol.32, no.5([illegible]), May 1964. [In Estonian]

PIONER [PIONEER]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina. [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.41, no.5, May 1964.

PIONER [PIONEER]. Erivan, no.5, May 1964. [In Armenian]

PIONER [PIONEER]. Ufa, no.5, May 1964. [In Bashkir]

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pioners'koi organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol.41, no.6(487), June 1964.

POL'SHA [POLAND]. Warsaw, nos.4(116)-5(117), 1964.

RODINA [OUR COUNTRY]. Issued by Komitet za vozvrashchenie na Rodinu i razvitie kul'turnykh sviazei s sootechestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, vol.6, no.2, Mar.-Apr. 1964.

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vols.9,11, nos.118,124, Jan., July 1964.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol.[illegible], no.5, May 1964.

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos.9(232)-10(233), May 1964. [In Lithuanian]

SOGLASIE [CONCORD]. Los Angeles, Calif., vol.[illegible], no.150, Mar. 1964.

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no.5, May 1964.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no.[illegible], 1964.

SOVREMENNAIA MONGOLIIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol.9, no.4(76), Apr. 1964.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol.16, nos.9(369)-10(370), May 1964. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol.24, no.19(383), May 1964.

ŪZBEKISTON [UZBEKISTAN]. Tashkent, vol.[illegible], no.4(268), Apr. 1964.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.40, no.5, May 1964.

VOZHYK [HEDGEHOG]. Minsk, vol.24, no.8(582), Apr. 1964.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol.11(17), nos.5(196)-6(197), May-June 1964.

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol.17, no.5, May 1964.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of TSentral'noe pravlenie Vserossiiskogo obshchestva slepykh [Central Administration of the All-Russian Society of the Blind]. Moscow, vol.40, no.3, Mar. 1964.

ZVAIGZNE [THE STAR]. Riga, vol.14, no.10(332), May 1964. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

BIBLOS; ZHURNAL UKRAINS'KOI BIBLIOGRAFII [JOURNAL OF UKRAINIAN BIBLIOGRAPHY]. New York, vol.10, no.1(104), Jan.-Feb. 1964.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol.8, nos.9-10, May 1964.

JAUNAS GRAMATAS [NEW BOOKS]. Riga, no.4(70), Apr. 1964. [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.21-22, 1964. Ukazatel' seriinykh izdanii za 1963 g. [Series Index for 1963]

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.5, 1964.

LETOPIS' RETSENZII [CHRONICLE OF REVIEWS]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.2, 1964.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.19-23, 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]. Vol.9, nos.13-14, May 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol.7, nos.13-14, May 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art] Vol.7, nos.14-15, Apr.-May 1964.

SVODNYI BIULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriia B: Obshchestvennye nauki [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series B: Social Sciences]. Moscow, no.6(72), 1964.

VSESOIUZNAIA KNIZHNAIA PALATA. Bibliografiia sovetskoi bibliografii, 1962 [ALL-UNION BOOK CHAMBER. Bibliography of Soviet Bibliography, 1962]. Moscow, 1963.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, no.5, May 1964.

Table of contents translated:

Preface. p.1.
Marchenko, M. - In touch with life. p.4.
Apatova, R. - For those who grow good crops. p.6.
Vlasova, L. - Bring new and advanced methods into the work. p.8.
Shevaldin, T. - An honorary title imposes obligations. p.10.
Suprun, V. - Shepherds are our readers. p.11.
Bachaldin, B., Zaderman, L. - Duty of all libraries. p.13.
Ivaneev, I. - Our most important task. p.17.
Sazonova, E. - To every young worker. p.19.
Golota, I. - In order that there may not be a repetition. p.21.
Bessonova, N. - This inspires work, adorns life, and ennobles man. p.23.
Zhaton, Zh. - For leaders of recreation groups. p.25.
Osipova, E. - We work with the rare book collection. p.28.
Onika, N. - Be worthy of our times. p.30.
The place of bibliography in the labor system. p.32.
Petrov, E. - "Sovetskaia Rossiia" to libraries. p.34.
TSaregradskii, I. - Improving the skill of workers in district libraries. p.36.
Merkur'eva, A., Ponomareva, N. - How do you direct reading? p.38.
Novosel'tseva, L. - Under conditions existing in a large district. p.41.
Kalashnikova, N., Babintsev, S. - Librarian's week. p.43.
Chudova, G. - Be proud of your profession. p.45.
The readers profited. p.49.
Vasil'eva, E. - Improve hygiene. p.51.
Mamontov, A. - Calendars of significant and memorable dates. p.54.
IArtsev, V. - Start from concrete conditions. p.56.
Lenskii, D. - In complete agreement. p.57.
Pastukhova, L., Reshetnikova, E. - Don't abolish but improve. p.58.
Zdorova, T. - Useful book. p.59.
Petrova, N. - Do you know how to read? p.60.
Letters to the editor. p.61
In a few lines. p.62.
New books. p.63.

BIBLIOTEKOVEDENIE I BIBLIOGRAFIIA; ukazatel' literatury [LIBRARY SCIENCE AND BIBLIOGRAPHY; an Index to the Literature] July-Sep., 1963. Issued by Nauchno-metodicheskii otdel bibliotekovedeniia i bibliografii Gosudarstvennoi biblioteki SSSR imeni V.I. Lenina [Scientific Methodological Division of Library Science and Bibliography of the V.I. Lenin State Library]. Moscow, no.3, 1964.

c. PRINTING & THE BOOK TRADE

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT POLIGRAFICHESKOI PROMYSHLENNOSTI. Sbornik nauchnykh rabot [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE PRINTING INDUSTRY. Scientific Papers]. No.14, 1962.

PECHAT' SSSR, (1963); statisticheskie materialy [THE PRESS OF THE U.S.S.R., (1963); Statistical Material]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, 1964.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soiuz pechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no.5, 1964.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.17, no.12, 1963.

Table of contents translated:

Frantsev, IU.P. - Elaboration by V.I. Lenin of the problems of scientific communism. p.3.
Kolbanovskii, V.N. - Some pressing problems of social psychology. p.16.
Amosov, N.M. - Simulation of information and programs in complex systems. p.26.
Stoliarov, V.I. - Role of the analysis of changing object in the process of cognition. p.35.
Serchugov, I.I. - Formation of the uniform norms of a communist society. p.45.
Strigacheva, E.I. - Physical perfection is an inalienable trait of the harmoniously developed individual. p.54.
Gol'dentrikht, S.S. - Aesthetic nature of communist labor. p.59.
Momdzhian, Kh.N. - Diderot's philosophy and present day reality. p.66.
Dirac, P.A.M. - Evolution of the physicists' views on nature. p.83.
Timofeev, I.S. - Elementary forms of the knowledge of quality by quantitative methods. p.95.
Kuz'mina, T.A. - Crisis of bourgeois individualism and protestant neo-orthodoxy. p.106.
Agafonova, S.M. - Social characteristics of Thomas Munro's aesthetics. p.117.
Kelle, V.Zh., Koval'zon, M.IA. - Historical materialism as a branch of science and the program of its study. p.128.
Zhdanov, G.B. - From physics to philosophy and from philosophy to physics. p.135.
Ermilov, A.P., Shatalov, A.T. - A coordinating conference of the institutions of philosophical studies. p.147.
Dragun, B.D. - A session devoted to the 250th anniversary of Denis Diderot's birth. p.152.
Iovchuk, M.T., Krasin, IU.A. - International Philosophical Symposium in Yugoslavia. p.154.
Alekseev, I.A. - Philosophical discussions in Dubna. p.155.
Korobkov, A.F. - The tenth session of Pakistan's Philosophical Congress. 1.158.
Ukraintsev, B.S. - This problem should be studied by a group of scholars. p.160.
Itel'son, L.B. - A philosophical study of the psychology of engineering. p.165.
Kutasova, I.M. - Ancient monuments of human thought. p.168.
Kozlovskii, IU.B. - "Present-day intellectual work [in Japanese] by Sibata Singo. p.170.
Petschner, G. - "Georg Agricola, his ideas, and his role as a forerunner of the materialistic conception of nature" [in German] by Erwin Herlitzius. p.171.
Rcheulishvili, Sh.V. - Vague expounding of an important problem. p.173.
Recent philosophical literature. p.174.
Index of articles published in our periodical in 1963. p.177.

Vol.18, no.3, 1964.

Table of contents translated:

Editorial: Intensification is the principal trend. p.3.
Portuondo, José Antonio. - Fundamental contradictions of our period and the future of Latin American peoples. p.11.
Ursul, A.D. - Taking possession of space and progress in production. p.17.
Mikheev, V.I. - Internationalization of production forces and monopolistic integration. p.27.
Kedrov, B.M. - Methodological problems in natural sciences. p.38.
Pantskhava, I.D., Pakhomov, B.IA. - Subject matter of philosophical research related to natural sciences. p.50.
Kopnin, P.V. - The logic of scientific research and its basic concepts. p.59.
Tavanets, P.V. - The logic of scientific knowledge and contemporary formal logic. p.69.
Ashby, W.Ross. - Systems and information. p.78.
Gott, V.S., Peroturin, A.F. - Category of "interaction" and Pauli's principle in physics. p.86.
Ilarionov, S.V. - The principle of restrictions in physics and its connection with the principle of correspondence. p.96.
Khoruts, L.E. - Criticism of the theoretical foundations of the bourgeois "sociology of knowledge" p.106.
Borodai, IU.M. - Kant and contemporary irrationalism. p.116.
Novikov, A.I. - Subject matter and tasks of the historiography of philosophy. p.129.
Vekker, L.M. - The psychic image as a signal. p.140.
Gazenko, V.I. - The socioeconomic formation. p.150.
Keshelava, V.V. - A new step elaborating on the Leninist philosophical legacy. p.158.
Molodtsov, V.S., TSereteli, S.B., Gagoidze, V.A. - A serious research work in the history of philosophy. p.162.
Leont'ev, A.N. - Brain and psyche. p.164.
Ezrin, G.I., Samsin, A.I. - First experiment. p.168.
Koval'zon, M.IA. - The strength of revolutionary ideas. p.171.
Bazhenov, L.B., Ovchinnikov, N.F. - An analysis of the categories; things, properties, relations. p.173.
Dzeverin, I.A. - N.V. Goncharenko's "Art and education aesthetics." p.176.
Letter to the journal "Voprosy filosofii." p.180.
New literature. p.181.
English summaries. p.184.

Vol. 18, no. 4, 1964.

Table of contents translated:

Editorial. Leninism is our methodological combat weapon. p. 3.
[illegible], P.N. - Leninist approach of the CPSU to the solution of the principal problem of the building of communism. p. 16.
Tadevosian, E.V. - V.I. Lenin on forms of state structure of a socialist solution of the nationality problem. p. 27.
[illegible], V.I., Filatova, E.M. - V.I. Lenin on bureaucratism and the struggle against it. p. 38.
[illegible], I. F. - V.I. Lenin and the Proletkult. p. 49.
[illegible], IU. A. - Dialectics of forming intellectual life in the communist society. p. 60.
Zdravomyslov, A.G., IAdov, V.A. - Experiment with a case study on the attitude to work. p. 72.
Leont'ev, A.N. - Thinking. p. 85.
[illegible], I. O. - The role of symbol systems in scientific work. p. 93.
Askin, IA. F. - The place of philosophical problems of the natural sciences. p. 103.
[illegible] - More on the dialectics of nature. p. 111.
Iovchuk, M.T. - N.P. Ogarev's philosophy and his place in the history of Russian revolutionary thought. p. 114.
[illegible], V.E. - Shevchenko is our contemporary. p. 123.
Velikovich, L.N. - Political and ideological adaptation process in the Catholic Church. p. 134.
[illegible], E.A. - Religious remnants in the U.S.S.R., causes of their existence and means of overcoming them. p. 145.
The complex problem "Laws of socialist development and transition to communism" in the Scientific Council. p. 157.
Fedorov, IU.E. - An interesting discussion. p. 160.
Kopnin, P.V., Narskii, I.S., Smirnov, V.A. - Serious shortcomings in a book on dialectical materialism. p. 165.
Urmantsev, IU.A. - Philosophical significance of the manifestation of symmetry in nature. p. 170.
Shvarts, S.S. - Molecular biology and the development of the theory of evolution. p. 174.
Evsevichev, V.I., and others. - Philosophical literature in 1934. p. 179.
English summaries. p. 184.

b. RELIGION

NAUKA I RELIGIIA [SCIENCE AND RELIGION]. Issued by Vsesoiuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol.5, no.6, June 1964.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no.4, 1964.

Table of contents translated:

Edict on the nomination to the rank of archbishop. p. 1.
Decisions of the Holy Synod. p. 1.
Christmas greetings from Christophorus, Patriarch of Alexandria, to His Holiness Patriarch Aleksii. p. 2.
Telegram from Archbishop Makarios to His Holiness Patriarch Aleksii. p. 2.
Reception of Cyprus statesmen by His Holiness Patriarch Aleksii. p. 2.
On the occasion of the death of Paul I, King of the Helleness. p. 4.
Requiem service in memory of Paul I, King of Helleness. p. 4.
Telegrams of thanks for the condolences on the occasion of the death of Paul I, King of Helleness. p. 5.
Letter of thanks from His Holiness Patriarch Aleksii for congratulations received on his name day to the Editor of "Zhurnal Moskovskoi Patriarkhii. p. 5.
Brief news. p. 6.
Address of His Holiness Patriarch Aleksii at the reception of members of the session of the Executive Committee of the World Council of Churches at the Troitse-Sergieva Monastery. p. 7.
Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Moscow. p. 11.
Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Leningrad. p. 14.
Address of Boris, Metropolitan of Kherson and Odessa, at the reception of members of the session in Odessa. p. 16.
Celebration of the name day of His Holiness Patriarch Aleksii. p. 17.
News from dioceses. p. 19.
Obituaries. p. 21.
Stadniuk, M. - Sermon for the week of the Adoration of the Holy Cross. p. 22.
Sokolovskii, P. - Meeting of the Commitie for the Preparation of the Second All-Christian Peace Congress and session of the Working Committee of the Christian Peace Conference in Budapest. p. 24.
Sokolovskii, P. - Meeting of the Committee "Peace and Justice." p. 25.
Sokolovskii, P. - Meeting of the Committee "Peace and the German Problem." p. 26.
Communiqué of the session of the International Secretariate of the Christian Peace Conference in Berlin-Weissensee. p. 26.
Komarov, K. - Book of Prophet Malachiah. p. 27.
Archbishop Vasilii. - Second all-Orthodox conference on Rhodes Island. p. 32.
Zabolotskii, N. - Results of the session of the Executive Committee of the World Council of Churches. p. 39.
Zabolotskii, N. - Ecumenical dialogue on the Church; about Bishop Lesslie Newbigin's book "The Household of God" (to be continued). p. 47.
Nikol'skii, N. - Good Friday in Gospel narratives. p. 51.
Ritual of the Passion service. p. 56.
Skurat, K. - Saint Ioann Lestvichnik, teacher of prayer. p. 47.
Voronov, L. - Problem of the tradition in church (conclusion). p. 64.
Ivanov, N. - Quadricentennial of the Russian printed "Apostle" (to be continued). p. 69.
Vladimirov, V. - "Ortodoxia" journal of theological institutes of the Rumanian Patriarchate, Jan.-Mar. 1963. p. 76.

RIDNA TSERKVA [OUR BELOVED CHURCH]. Issued by Bogoslovs'ko-naukovyi instytut Ukrains'koi avtokefal'noi pravoslavnoi tserkvy na chuzhyni [Theological Institute of the Ukrainian Autocephalous Orthodox Church Abroad]. Munich, vol.13, no.58, Apr.-June 1964.

SVITLO. THE LIGHT. Issued by OO. Vasyliiany [The Basilian Fathers]. Toronto, vol.27, nos.2(494)-4(496), 7/8(499-500), Feb.-Apr., July-Aug. 1964.

VIRA I KUL'TURA. FAITH AND CULTURE. Organ of Ukrains'ke naukove bohoslovs'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, vol.27, no.8/9 (128-129), June-July 1964.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo "Znannia" Ukrains'koi RSR ["Knowledge" Association of the Ukrainian S.S.R.]. Kiev, vol.4, nos.5-6(44-45), May-June 1964.

4. HISTORY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Historical and Philological Review]. Erivan, no.4(23), 1963.

Table of contents translated:

Buniatian, G.Kh. - The last twenty years of the Academy of Sciences. p. 3.
Tatosian, G.A. - Great friend of Armenian literature. p. 15.
Sarksian, M.S. - I.K. Aivazovskii and Armenian culture. p. 25.
Ovanesian, Mikael. - Fortresses of Armenia. p. 39.
Iskanian, V.K. - Armenian-Byzantine alliance against Persia in the 6th century. p. 51.
Badalian, G.S. - On the Armenian calendar. p. 63.
Ter-Gevondian, G.N. - From the history of Armenian silversmithing in Cilicia. p. 75.
Dzhaukian, G.B. - Etymologies. p. 85.
Aivazian, K.V. - V.IA. Briusov's work on the second edition of "Poetry of Armenia." p. 99.
Dashkevich, IA.R. - Armenian book printing in the Ukraine in the 17th century. p. 115.
Abramian, A.G. - Armenian writing in the pre-Mashtots period and the characters of Daniel. p. 131.
Khachikian, L.S. - Armenian writing in the pre-Mashtots period and sacerdotal characters. p. 145.
Pashaian, A.A. - On the Swedish dialect. p. 159.
Simonian, P.E. - Unpublished letters of N.IA. Marr. p. 175.
Matevosian, A.S. - Chronicle of Hetum, owner of the Akhtik estate, and chronicle of Vasil Maradzhakht. p. 183.
Melikian, S. - Translations by Vahan Darian for the "Poetry of Armenia." p. 241.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. Uchenye zapiski [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Slavic Studies. Studies]. Moscow, vol. 27, 1963.

Table of contents translated:

Ekkert, R. - Stems ending in "-i-" in proto-Slavic. p. 3.
Martynov, V.V. - Slavic-Germanic lexical isoglosses. p. 134.
Otkupshchikov, IU.V. - Old Church Slavic sigmatic aorists. p. 154.
Sudnik, T.M. - Paleographic and phonetic analysis of the Vygoleksinsk collection of the 12th and 13th centuries. p. 173.
Klepikova, G.P. - Prefixes of Slavic origin such as "ras-," "za-," and "na-" in Istro-Romanian. p. 206.
Bulatova, R.V. - Fate of paired verbs of motion in Serbo-Croatian. p. 223.
Nikonov, V.A. - Interpretation of phonetic frequency. p. 259.
Rozhnovskaia, M.G. - Predicative attributes in Bulgarian. p. 271.

EVREI I EVREISKII NAROD; sbornik materialov iz sovetskoi ezhednevnoi i periodicheskoi pechati [JEWS AND THE JEWISH PEOPLE; Materials from the Soviet Daily and Periodical Press]. London, [illegible] no. 3(5), 1962

ISTORIIA SSSR [HISTORY OF THE U.S.S.R.]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Chernykh, A.G. - V.I. Lenin and the literature on the October Revolution and Soviet rule. p. 3.
Temirgaliev, K.E. - V.I. Lenin and the rehabilitation of oil fields in Kazakhstan, 1919-1920. p. 16.
Seleznev, K.L. - F. Engels and the beginning of V.I. Lenin's revolutionary activities. p. 24.
Korol'kov, N.V. - The industrial labor force in agriculture, 1953-1963. p. 33.
National liberation movements in Russia in the second half of the 19th century (to be continued). p. 50.
Gribkova, S.M. - History of the search for V.I. Lenin's Cracow-Poronino Archives. p. 76.
Gavrilov, L.M., Kutuzov, V.V. - Census of the Russian Army on October 25, 1917. p. 87.
Kireeva, R.A. - V.O. Kliuchevskii's course of historiography. p. 91.
Shchapov, IA.N. - New lists of the "Kormchie knigi" containing the "Russkaia Pravda." p. 100.
Fenster, P.A. - V.I. Lenin and the Marxist newspaper "Rabotnik." p. 104.
Garekoi, V.S., IUrlin, G.M. - Formation of the Southern Regional Council of the National Economy 1917-1918. p. 113.
IUrgens, D.A. - Karelia in the plan of the State Commission for the Electrification of Russia. p. 119.
Fleishman, A.L. - The story of a telegram. p. [illegible]
Lepko, I.V. - The Russian working class and the peasantry during the period from 1905 to 1907. p. 120.
Artemenkov, M.N. - Hired workers in the Moscow manufactures from the forties to the sixties of the 18th century. p. 133.
Stepanov, I.V. - From the history of the Peasant War, 1670-1671. p. 144.
Chimit-Dorzhiev, Sh.B. - From the history of Russian-Mongolian economic relations in the 17th century. p. 151.
Stepanov, A.I. - Under the banner of Lenin's foreign policy. p. 157.
Davidovich, A.M. - The role of the Soviet state and law in the transition of the Kazakh people to socialism bypassing capitalism. p. 163.
Zvezdin, Z.K. - "The working class of the Ukraine in the struggle for the establishment of the foundations of the socialist economy, 1926-1932" by A.B. Slutskii. p. 165.
Dykov, I.G. - A useful book. p. 167.
Borovoi, S.IA., Klintskin, S.M. - "Bearing the [illegible] of the January Revolt," by Z. Porshina. p. [illegible]
Okun', S.B., Sladkevich, N.G. - A book on Herzen as educator. p. 171.
Sergeeva, N.I. - "Studies on the history of Russian social thought in the late 1850's and the early 1860's" by N.G. Sladkevich. p. 173.
Limonov, IU.A. - Collections of studies issued in honor of Academician M.N. Tikhomirov's seventieth birthday. p. 176.
IAkovleva, P.T. - "The first discoverers of Sakhalin" by B.P. Polevoi. p. 181.
Bogdan, D.P. - "Moldavia in the epoch of feudalism. Vol. 1. Slavic-Moldavian documents." p. 182.
Zimin, A.A. - "Formation of the departmental system of administration in the Russian state" by A.K. Leont'ev. p. 184.
Pashuto, V.T. - Features of feudalism and phantoms of the past. p. 188.
Sirotkin, V.G. - The French "Center for Study of International Relations" and its publications on Soviet foreign policy. p. 204.
Sof'in, A. - Tales on Russia for adult Americans. p. 212.
Shaskol'skii, I.P. - Russian tanners in Sweden in the 17th century. p. 216.
Mineeva, I.N. - New materials on the history of the U.S.S.R. in French archives and libraries. p. [illegible]
Subbotina, Z.A. - V.I. Lenin and the peoples of the East; based on materials in the Lenin Museum in the Kremlin. p. 221.
Bregadze, G.V. - A meeting devoted to the friendship of the peoples of Transcaucasia. p. 227.
Aleksandrov, A.A., Pavlov, N.P., Pliushchevskii, B.G. - Visiting the historians of the Udmurt A.S.S.R. p. 227.

Ledovskaia, I.V. - The Sixth Interrepublican Symposium on the agrarian history of Eastern Europe. p. 228.
Borzunov, V.F. - Again on some problems concerning the "History of Siberia"; based on the materials of the meeting of the authors' collective in November 1963. p. 233.
Starokadomskaia, M.K., Shapot, E.G. - A new bibliographical guide. p. 235.
Significant landmark in the history of the friendship of the German and Russian peoples. p. 236.
Klimova, S.V. - A meeting dedicated to the 150th anniversary of the Battle of Leipzig. p. 238.
Senchenko, I.A. - A well-timed article. p. 240.
Okuneva, R.IA. - A.M. Gorkii and the "History of the Putilov Works." p. 241.
A letter to the editor of the periodical "Istoriia SSSR." p. 242.
In honor of A.P. Kuchkin. p. 244.
New books. p. 245.

ISTORIKO-FILOLOGICHESKII SBORNIK [HISTORICAL AND PHILOLOGICAL PAPERS]. Issued by Komi filial Akademii nauk SSSR [Komi Branch of the Academy of Sciences of the U.S.S.R.]. Syktyvkar, no. 7, 1962.

Table of contents translated:
Serebrennikov, B.A. - Historical linguistic notes. p. 3.
Batalova, R.M. - Phonetic characteristics of the On' dialect of the Komi-Perinyak language. p. 9.
Sakharova, M.A., Sel'kov, N.N. - Brief description of the pronunciation in the villages of Mordino and Lopydino on the Lokchim River. p. 38.
Guliaev, E.S. - Rare instances of the use of the elative case in the Komi language. p. 55.
Timoshev, D.A. - The transliteration of Komi toponyms into Russian letters. p. 60.
Vaneev, A. - Features of Komi versification. p. 72.
Plesovskii, F.V. - The development of Komi and Udmort songs. p. 105.
Zherebtsov, L.N. - Study of the culture and life of the mining population in the Komi region; from the second half of the 19th to the beginning of the 20th century. p. 121.
Burov, G.M. - New settlements in the Vychegda Valley. p. 139.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. Moscow, vol. 9, no. 6, 1964.
(DNLM)

MOSCOW. UNIVERSITET. Vestnik. Seriia 9: Istoriia [UNIVERSITY. Review. Series 9: History]. Vol. 19, no. 2, Mar.-Apr. 1964.

Table of contents translated:
Naumov, V.P. - The main stages in the study of the history of the civil war in the U.S.S.R. p. 3.
Ovchinnikova, L.V. - The neocentric direction in the historiography of the socialist reformists of the German Federal Republic concerning the "third way" in the development of the November Revolution in Germany. p. 19.
Vdovin, V.A. - The creation of rural loan and savings associations in Russia. p. 32.
En'ko, A.G. - Marsilius of Padua's "Defender of peace" and the struggle of the Empire against the mundane claims of Popedom in the beginning of the 14th century. p. 50.
Riazantsev, I.V. - Characteristic features of the early classicist architecture in Russia; as exemplified on public buildings. p. 62.

NARODY AZII I AFRIKI; istoriia, ekonomika, kul'tura [PEOPLE OF ASIA AND AFRICA; History, Economics, Culture]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and Institute of Africa of the Academy of Sciences of the U.S.S.R.]. No. 3, 1964.

Table of contents translated:
Kollontai, V.M. - Economic relations between liberated countries. p. 3.
Gurvich, R.P. - New development in the Indian countryside. p. 16.
Golubchik, M.M. - Economic development of the Cameroons. p. 27.
Baranov, S.S. - The food problem in East Pakistan. p. 38.
TSyganov, V.A. - Foundation of the National Party of Indonesia, 1927. p. 44.
Ruziev, T. - Stages of the workers' movement in Pakistan. p. 58.
Kriukov, M.V. - Development of the productive forces in China from the 15th to the 11th century B.C.; as exemplified by Yin metalwork. p. 65.
Petrov, P.I. - Data from sources on the structure of the army of Ismail. p. 76.
Materials on the terminology of historical sources: Ali Husain-Zade. - The "bahre" in the 18th and 19th centuries. p. 82.
Nikiforov, V.N. - The historical foundation for the periodization of literature. p. 86.
Zhelokhovtsev, A.N. - Relationship between the "Chu'anch'i" and "Huapen" genres. p. 91.
Toporov, V.N. - Reconstruction of some mythological conceptions; based on materials of the Buddhist fine arts. p. 101.
Ananiasz Zajaczkowski. - Newly found Arabic-Kipchak dictionary from the Mameluk state. p. 111.
Morev, L.N. - Thai language; monosyllabic or polysyllabic? p. 117.
Petriankina, V.I. - Vowel phonemes in the Swahili language. p. 123.
Glazov, IU.IA. - Distribution and alternation of morphemes in the verbal structures of modern Kannada. p. 123.
Rozaliev, IU.N. - Once more about the specific nature of the development of capitalism in Turkey. p. 129.
Mazurov, V.M., Golosov, S.M. - Korean history as presented by the U.S. State Department. p. 138.
Mutavchieva, Vera. P., Dimitrov, Str. A. - Some remarks on the new general course in Turkish history. p. 150.
Vil'chevskii, O.L. - Iranian publications of Khagani's works. p. 162.
Zhukov, A.A. - Problems of Bantu studies in the new linguistic yearbook of the British Africanists. p. 170.
Popovkin, V.M. - "Imperialism and the economic independence of India" by V.I. Pavlov. p. 174.
Vasil'ev, V.F. - "Economic development in Burma, 1950-1960 [in English] by Louis J. Walinsky. p. 176.
Rebrikova, N.V. - "Struggle of the European powers for the Siamese market from 1630 through 1680" by E.O. Berzin. p. 182.
Vasin, V.F. - "Burma on the eve of British conquest; her social order and state system" by M.G. Kozlova. p. 184.
Griaznevich, P. - "Al-Tabari's history. History of the prophets and kings" [in Arabic] by Abu Djafar Mohammed ibn Djajir al-Tabari (224-310). p. 186.
Belov, E.A. - "Huang Hsing and the Chinese Revolution" [in English] by Hsüeh Chün-tu. p. 189.
Akhally, S., Meredov, A. - "The sermon of Azadi" in Turkmen by Dovlet Mamed Azadi. p. 192.
Smirnov, IU.A. - "A reference grammar of Panjabi" [in English] by Harjeet Singh Gill, Henry A. Gleason. p. 194.
Avetian, A.S. - "Expansion of West-German monopolies in Turkey [in Armenian] by R.P. Kondakchian. p. 197.
B. B. - "Angola in flames" [in English] by K.M. Panikkar. p. 198.
Landa, L.M. - "Relations between the peoples of Central Asia and the neighboring countries of the East from the 18th century through the early 20th century." p. 200.
Nadel', Kh.S. - "Literature of the non-Soviet East; a bibliography of translations into the languages of the peoples of the U.S.S.R., 1918-1960." p. 200.
Riftin, B.L. - Research on the "precious scrolls" by Sawada Mizuho. p. 201.
Veselov, V.T. - International scholarly relations of the Institute of the Peoples of Asia. p. 203.
Kliashtorina, V.B., Gvakharila, A.A., Fishman, O.L. - In the Coordinating Commission for Studies of Oriental Literature. p. 206.
Akhmedov, B.A. - In the Institute of Oriental Studies of the Academy of Sciences of the Uzbek S.S.R. p. 210.
Ataev, Kh.A. - Activities of the Oriental Studies Section of the Institute of History, Archaeology and Ethnography of the Academy of Sciences of the Turkmen S.S.R. p. 211.
Bakoev, M. - The fifth Pamir expedition in quest of Oriental manuscripts. p. 212.
Reder, D.G. - The seventy-fifth birthday of Academician V.V. Struve. p. 213.
Levina, S.L. - A centennial of the birth of Academician S.F. Ol'denburg. p. 214.
Kuznetsova, N.A. - Petr Ivanovich Petrov; on the occasion of his eightieth birthday. p. 215.
List of basic scholarly works by M.I. Luk'ianova, Doctor of Economics; on the occasion of her sixtieth birthday. p. 218.
English summaries of major articles. p. 221.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 6, no. 4, Apr. 1964.

Table of contents translated:
Bonch-Bruevich, V. - Vladimir Il'ich Lenin and the Navy. p. 3.
Andronikov, N. - Tank armies in battles in the right-bank Ukraine. p. 20.
Badanin, B. - On crossings over the Sivash. p. 32.
Korotkov, I. - Development of Soviet military theory in the postwar years. p. 39.
Dashichev, V. - New idol of West German militarists. p. 51.
Iliev, I. - Forward to Odessa! p. 65.
Starinov, I. - It was a secret. p. 77.
Agony in Hitler's general headquarters. p. 92.
Lipodaev, I., and others. - Party and political work, an important condition of victory in the Great Patriotic War. p. 97.
Zvenigorodskii, V., Mamotko, S. - From the history of military radio communications. p. 103.
Sekirin, M., Doroshenko, V. - Reminiscences of the Battle of Kursk. p. 106.
Semenov, E., Fedorov, V. - Development of chemical weapons in the U.S.A. during the Second World War. p. 109.
Kononenko, A. - Problems in the art of war in the Battle of Kursk. p. 115.
Ioffe, G. - Military history publications in the U.S. Army. p. 118.
Nemirov, N. - Highest title of distinction. p. 123.
Zharov, F., Geller, IU. - Corps Commander A.IA. Lapin. p. 125.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.], Moscow, vol. 39, no. 3, Mar. 1964.

Table of contents translated:
Methodological problems of historical science. p. 1.
Fedoseev, P.N. - Development of the methodological problems of history. p. 3.
Discussion of the problems of the methodology of history in the enlarged session of the Section of Social Sciences of the Presidium of the Academy of Sciences of the U.S.S.R. on January 3-6, 1964. p. 23.
Resolution of the Presidium of the Academy of Sciences of the U.S.S.R. (Section of Social Sciences) on the studies of the methodological problems of history. p. 60.
Sakharov, A.N. - Antifeudal tendencies in the Russian countryside of the 17th century. p. 60.
Krasil'nikov, A.N. - Right-wing Laborites on Soviet foreign policy. p. 97.
Vinogradov, K.B., Efimov, G.V. - Decline of the Eurocentrist historical conception. p. 114.
Ioffe, A.E. - First session of the Scholarly Council on the Problem "History of the Foreign Policy of the U.S.S.R. and International Relations." p. 126.
Baranov, M.A., Novgorodov, A.I. - "Outline history of Khakassia under Soviet rule, 1917-1961. p. 128.
Genkina, E.B. - "World proletariat and the Soviet Union; the movement of the working class in foreign countries in protection and aid to the Soviet Union, 1921-1923" by A.A. Makarenko. p. 131.
Anfimov, A.M. - New works on the agrarian history of Siberia. p. 133.
Galkin, I.S. - "History of the origin of the First World War; Franco-Russian relations from 1912 to 1914" by V.I. Bovykin. p. 136.
Lapshina, R.G., Zhuikov, G.S. - "A.I. Ul'ianov and the revolutionary intellectuals in the Don Valley and Northern Caucasus" by V.P. Krikunov. p. 138.
Zhamin, V.A. - "Socialist reorganization in the European people's democracies." p. 140.
Pochenko, G.P. - "Soviet Slavic studies. Literature on foreign Slavic countries in the Russian language, 1918-1960." p. 143.
Beilis, A.S., Kutik, V.N. - "Modern history." Vol. I. 1640-1870. p. 145.
Grossman, A.S. - "Collapse of fascist Germany" by G.L. Rozanov. p. 148.
Semenov, V.F. - "British colonies in North America in the 17th century" by A.S. Samoilo. p. 150.
Lisovskii, IU.P. - "Class struggle in the Italian countryside, 1945-1950" by N.P. Komolova. p. 152.
New books. p. 154.
Articles published in Soviet historical periodicals. p. 155.
Belov, G.A. - Basic results and prospects of archive research in the U.S.S.R. p. 159.
Krupnova, R.E. - Discussion on the models of the first volumes of the "History of the U.S.S.R." p. 163.
Narochnitskii, A.L. - A scholarly meeting of Soviet and East German historians. p. 168.
Druzhinina, E.I. - Russo-German cultural relations and the war of liberation of 1813. p. 170.
Narochnitskii, A.L. - Nations and governments in the 1813 war for the liberation of Germany. p. 170.
Bukshpan, P.IA. - "The nationality question in views of the Decembrists" [in German] by H. Lemberg. p. 190.
Draznina, IA.I. - "The Paris Commune" [in French] by P. Dominique. p. 192.
Historical articles in periodicals published in socialist countries. p. 194.

Pechuro, E.E. - "History and theory." p. 195.
Melikian, O.N. - "Prospects of neocolonialism." p. 202.
Khanykova, L.V. - The struggle for democratic education in Latin America. p. 202.
Sirotkin, V.G. - New "conception" of the causes of the defeat of Napoleon's army in 1812. p. 204.
Pankevich, F.I. - Apology of the U.S. imperialist foreign policy. p. 205.
Mashbits, IA.G. - An American sociologist discusses the role of cities in the life of Latin America. p. 206.
Filatov, A.M. - The fascist "Anticommunist International" in the appraisal of a present-day anticommunist. p. 207.
Tupolev, B.M. - Central Europe and the commercial policy of German imperialism. p. 209.
Kim, S.R. - A bourgeois historian on African feudalism. p. 210.
Kamenetskii, B.A. - Was there a revolution at the time of the Tudors? p. 211.
Inglezi, R.M. - History of the idea of the general strike. p. 212.
Berzina, S.IA. - A discussion on the problems of America's population. p. 213.
Kazhdan, A.P. - Letters of the Byzantine rhetorician Grigorii Antioch. p. 214.
Foreign reviews of Soviet historical studies. p. 215.
Brief notes. p. 217.
Abalikhin, B.S. - Supplementary information. p. 218.
Information on authors of the articles published in this issue of "Voprosy istorii." p. 220.
English summaries of major articles. p. 221.

Vol. 39, no. 5, May 1964.
Table of contents translated:
Genkina, E.B. - V.I. Lenin and the transition to the New Economic Policy. p. 3.
Tikhomirov, M.N. - The origin of book printing in Russia. p. 28.
Mansvetov, N.V. - Rapproachment of nations and the origin of the international community of the peoples of the U.S.S.R. p. 38.
Koval'chenko, I.D., Ustinov, V.A. - The use of electronic computing machines in historical science. p. 54.
Petrov, V.F. - Reform of the British foreign service and its social effect. p. 68.
Popova, E.I. - American isolationism and the establishment of the Versailles-Washington system. p. 78.
Korsunskii, A.R. - Certain aspects of the revolutionary transition from the slave system to feudalism in Western Europe. p. 95.
Kumanev, V.A. - First results of the fulfillment of the recommendations of the All-Union Conference of Soviet Historians. p. 112.
Utchenko, S.L. - Some features of the picture of a scientist and man; on the occasion of V.V. Struve's 75th birthday. p. 117.
Deserved gratitude. p. 120.
Il'in, S.S., Gutkin, G.M., Logvinov, L.D. - "History of the national economy of the U.S.S.R. Socialist era" by V.T. Chuntulov. p. 121.
Sharapov, G.V. - "Outline history of the collectivization of agriculture in the Union Republics." p. 123.
Okun', S.B. - "Russian foreign policy in the first half of the 19th century" by N.S. Kiniapina. p. 126.
Popov, M.IA. - "Decembrists in Moscow"; a collection of studies. p. 129.
Khazanov, A.M. - "The U.S.S.R. and the countries of Africa, 1946-1962." p. 131.
Ivanov, IU.F. - "Research on the agrarian history of Bohemia; from the 14th to the early 15th century" by B.T. Rubtsov. p. 133.
Brykin, V.A. - "Imperialist colonial policy in the postwar period" by V. Vakhrushev. p. 137.
Krutogolov, M.A. - New materials on postwar France. p. 140.
Antonov, IU.A., Kapskii, E.V., Komissarov, B.N. - "Outline history of Brazil." p. 143.
Articles in Soviet historial periodicals. p. 149.
Sivolap, I.I. - The 250th anniversary of Denis Diderot's birth. p. 152.
Inglezi, R.M. - An anniversary of the State Public Historical Library. p. 154.
Sedov, K.I. - Discussion on some problems of the history of the partisan movement in the Far East from 1918 to 1922. p. 156.
Brief notes. p. 169.
Guber, A.A. - On the eve of the 12th International Congress of Historical Sciences. p. 173.
Kolomiitsev, V.F. - "Pressure groups in France" and "New research on the pressure groups in France" [both in French] by J. Meynaud. p. 180.
Kopychev, N.I. - "United action upsets Cuno; history of the mass struggle against the Cuno Government in 1923 in Central Germany [in German] by W. Ersil. p. 183.
Kovalevskii, S.D. - "Studies on the development of the socioeconomic structure of early medieval Sweden [in Polish] by S. Piekarczyk. p. 185.
Tables of contents of periodicals published in socialist countries. p. 188.
Myl'nikov, A.S. - "Československý časopis historický"; a review. p. 190.
Utkin, G.N. - Development of the Algerian Republic. p. 195.
Sergeeva, I.S. - Some socioeconomic problems of the independent Somalia in the interpretation of a bourgeois historian. p. 196.
Filatov, A.M. - NEP (New Economic Policy) in the interpretation of a bourgeois political economist. p. 197.
Sirotkin, V.G. - The revolution of 1905 according to the reports of French diplomats. p. 198.
Sakharov, A.N. - Homage to Soviet archaeology. p. 199.
Gintsberg, L.I. - From the position of the Reichstag's incendiaries. p. 200.
Sadomskaia, N.N. - The history of Spain and the theory of "superstructures." p. 201.
Erofeev, N.A. - A new interpretation of the social legislation in England. p. 202.
Vinogradov, K.B. - The English blockade of Germany during the First World War. p. 203.
Galkina, A.D. - An article on the agrarian reform in Latin America published by a West-German magazine. p. 205.
Slezkin, L.IU. - An article on Las Casas written by a historian of the Franco regime. p. 206.
Koshelenko, G.A. - Special features of the class struggle in the ancient world. p. 207.
Reviews of Soviet historical studies. p. 208.
Brief notes. p. 210.
Timoshchuk, B.A. - The vanished cities in Bukovina. p. 213.
Information on the authors of articles published in Voprosy istorii no. 5, 1964. p. 218.
Questionnaire for Soviet historians. p. 219.
English summaries of major articles. p. 220.

b. ARCHAEOLOGY & ANTIQUITIES

NUMIZMATIKA I EPIGRAFIKA [NUMISMATICS AND EPIGRAPHY]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, 1963.

Table of contents translated:
Anokhin, V.A. - Coining in Chersonesus Taurica from the first to the third century A.D. p. 3.
Shelov, D.B. - Finds of coins on Mayakaya Gora. p. 89.
Boltynova, A.I. - Undescribed epitaphs in the collections of the Kerch and Chersonesus Museums. p. 95.
Golenko, K.V. - Coins from accidental finds in Patrei in 1951. p. 103.
Golenko, K.V. - A find of coins in the foothills of the Ayu-Dag Mountain. p. 110.
Kruglikova, I.T. - Coins from the ancient site near the Semenovka village. p. 118.
Kazamanova, L.N. - Spurious Sindhi coins. p. 130.
Potin, V.M. - Dutch coins of the 11th century. p. 136.
IAnin, V.L. - The Russian princess Olisava-Gertruda and her son IAropolk. p. 142.
Fedorov-Davydov, G.A. - Finds of Juji coins. p. 165.
Mel'nikova, A.S. - The Pskov coins of the 15th century. p. 222.
Zimin, A.A. - The monetary reform carried out by the government of Elena Glinskaia. p. 245.
Riabtsevich, N.V. - Scottish coins of the first half of the 17th century in the hoards found in White Russia and adjacent regions. p. 251.
List of abbreviations. p. 261.

SOVETSKAIA ARKHEOLOGIIA [SOVIET ARCHAEOLOGY]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 2, 1964.

Table of contents translated:
Gurina, N.N., Kovnurko, G.M. - Stone mines in western White Russia. p. 3.
Blavatskii, V.D. - Influence of classical culture on the countries of the northern Black Sea region. p. 13.
Kyzlasov, L.R. - Significance of ancient Turkic stone-carved images of men. p. 27.
Voronina, V.L. - From the history of Central Asian fortification. p. 40
Vagner, G.K. - Several relief forms of St. George Cathedral in Yur'yev-Pol'skiy. p. 55.
Kapanadze, D.G. - Duration and the nature of Mongolian domination in Georgia according to numismatical data. p. 63.
Rudakov, V.E. - Methods of dendrochronological analysis. p. 79.
Bibikova, V.I. - On Veniamin Iosifovich TSalkin's 60th birthday. p. 87.
Krupnov, E.I. - On Petr Dmitrievich Liberov's 60th birthday. p. 89.
Khanzadian, E.V. - Metallurgy of the ancient Bronze Age in Armenia. p. 92.
Dzhaparidze, O.M. - Archaeological excavations in Trialeti in 1959-1962. p. 102.
Martynov, A.I. - A new region of the Karasuk Culture. p. 122.
Ivanova, A.P. - Sculptures of Dionysus from Chersonese. p. 134.
Nikitina, G.F. - Settlements of the Chernyakhov Culture in the middle Dniester Valley. p. 14[illegible].
Iziumova, S.A. - The eighth-tenth century burial mound near the village of Zapadnaya. p. 151.
Gavrilova, A.A. - The late nomads' graves near Mt. Sukhanikha in the Yenisey Valley. p. 164.
Voronin, N.N. - The Smolensk graffiti. p. 171.
Rybakov, B.A. - The eighth century Smolensk inscription on Father Superior's an encolpion. p. [illegible].
Raushenbakh, V.M. - The ancient site of the L'yalovo Culture. p. 188.
Umanskii, A.P. - An Andronovo dagger from the village of Il'inka. p. 191.
Peniak, S.I., Shabalin, A.D. - The Oleshnik [illegible] of bronze articles. p. 193.
Levenok, V.P. - A Scythian acinaces from the upper Don Valley. p. 201.
Demidova, A.S. - Sword from the village of Monastyrshchenka, Voronezh Province. p. 202.
Trubnikova, N.V. - New object of the Gorodets Culture in the Tsna Valley. p. 203.
Devlet, M.A. - Pottery from the late Tagar burial mounds in the Krasnoyarsk region. p. 20[illegible].
Kosarev, M.F. - Steppe features in Iron Age cultures of the forest zone of the Ob' Valley. p. 21[illegible].
Shcheglov, A.N. - Five Chersonese gravestones with the images of the deceased. p. 213.
Takhtai, A.K. - A stone with graffiti from the [illegible] Museum. p. 210.
Rutkovskaia, L.M. - History of ceramic production in southern Turmenistan. p. 221.
Mogil'nikov, V.A. - The Vasyugan treasure. p. 22[illegible].
Aleshkovskii, M.Kh., Pod'iapol'skii, S.S. - New data on the Church of Micheal Archangel in Smolensk. p. 231.
Orlov, S.N. - A 10th-century tile from Novgorod. p. 236.
Zolotov, IU.M. - Patriarch Nikon's bell. p. 2[illegible].
Baipakov, K. - Archaeological literature in the publications of the Academy of Sciences of the Kazakh S.S.R. in 1946-1962. p. 244.
Lunin, B.V. - Archaeological excavations in the [illegible] Valley. p. 251.
Vagner, G.K. - A great world of small sculptural forms. p. 257.
Onaiko, N.A. - Archaeological exhibition of the Budapest National Museum. p. 260.
M.I. Pikul'; obituary. p. 268.

5. SOCIAL SCIENCES

a. COMMERCE

BIULLETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII; prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION; Supplement]. Issued by Nauchno-issledovatel'skii kon"iunkturnyi institut [Scientific Research Institute of Economic Trends] Moscow, no. 3, Apr. 1964.
Contents: Zmeev, A.A. [Characteristics of the machinery market of African countries] Osobennosti rynka oborudovaniia stran Afriki. 71 p.

NOVYE TOVARY; Informatsionnyi biulleten' [NEW CONSUMER GOODS; Information Bulletin]. Moscow, no. [illegible], 1964.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce]. Moscow, vol. 37, no. 3, Mar. 1964.

Table of contents translated:
New guidepost on the path to communism. p. 1.
Bodenko, B. - Why the development of the trade system is lagging in the new districts. p. 3.
Kuznetsov, N. - Give more attention to collective farm and city cooperative trade. p. 6.
Grigor'ian, G. - Chemistry and shoes. p. 11.
Montlitskii, P. - Polymer wrapping materials. p. 1[illegible].
Ermilina, L. - For the people.... p. 17.
Vladimirov, I. - In the communist way. p. 20.
Fisher, E. - If you love your occupation. p. 23.
Genkina, L. - Mathematical statistics elements in the analysis of the turnover of goods. p. 26.
Belousov, M., Kamyshanov, P. - Convert accounting into an effective means of studying demand. p. 2[illegible].
TSetlin, A. - Planned inventories are a means of stabilizing assortment. p. 32.
Rukosuev, M., IAkunichkin, S. - More on the new standard designs. p. 34.
Rubin, M. - Salesgirls from the "IUnost'." p. 35.
Aslanbekova, S. - "Sevil'." p. 38.
Golovatyi, I. - Plans submitted by lower echelons should be reckoned with. p. 39.
Polotaev, B. - Let us talk about the container. p. 41.
Follow-up unpublished letters. p. 42.
Antonov, M., Volkova, A., Avdeeva, L. - How to store potatoes and vegetables during spring and summer. p. 42.

Lakhman, I. - How to plan commodity stocks. p. 44.
Liudskov, B. - Polymers and chemicals in trade. p. 48.
Radchenko, B. - Watches made in Moscow. p. 50.
Organization of the sale of textiles; recommendations of the Administration of Trade Organization and Practice Exchange. p. 52.
Sukhanovskaia, R., Fil'chikova, N. - Reaching the most and the most effective one. p. 60.
Clothing display equipment. p. 60.

Vol. 37, no. 4, Apr. 1964.
Table of contents translated:
Editorial: Along the Lenin path. p. 1.
Odintsova, A., Lasevich, G. - Retail price regulation is a current problem. p. 4.
Tikhonov, P. - The wholesale trade and trade discounts. p. 8.
Shagolovich, B. - Amortization and rentals. p. 10.
Aleksandrovich, L. - Trade specialization in children's clothing. p. 12.
Filatov, K., and others. - Linear programming and the centralized delivery of goods. p. 14.
Kas'ianova, A., Pavlov, S. - Polymers and light industry. p. 17.
Besman, V. - Several problems of construction in the trade system. p. 20.
Rodin, S. - Improve distributive education. p. 23
Naivel't, Z., Polunov, V. - Wholesale depot helps stores. p. 26.
Ermilina, L. - Initiative and conscientiousness. p. 27.
Strogov, N. - Plan vegetable procurement and storage correctly. p. 31.
Usatiuk, M., Kazymov, V. - Reduce fresh vegetable losses in automotive transportation. p. 33.
Salimov, I. - Potentials for reducing overhead expenses. p. 35.
Kozlov, A. - Notes on trade in Yugoslavia. p. 37.
Klepikov, N. - Organization of dispatching work at the warehouse. p. 42.
Artem'ev, A. - "Economic relations between trade and industry" by V. V. Budaragin. p. 44.
Kunik, IA. - Aid for the expert appraisal of merchandize. p. 45.
Methods for selling household goods. p. 46.
Glazunova, V. - Advertisement on a blue screen. p. 53.
Markushevich, A. - More on motion-picture advertising. p. 56.
New display stands for grocery stores. p. 58.
Brief news. p. 60.

TORGOVLIA ZA RUBEZHOM; organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 5, May 1964.

VNESHNIAIA TORGOVLIA [FOREIGN TRADE]. Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 44, no. 4, 1964.
Table of contents translated:
Kadyshev, V. - The Leninist principle of peaceful coexistence is the basis of economic cooperation. p. 4.
The responsible and noble tasks; a message of N.S. Khrushchev, Chairman of the Council of Ministers to the United Nations Conference on Trade and Development. p. 8.
International trade should serve progress, consolidate peace and mutual understanding; a speech by N.S. Patolichev, Head of the Soviet Delegation, Minister of Foreign Trade of the U.S.S.R. at the United Nations Conference on Trade and Development, March 26, 1964. p. 9.
Ptichkin, N. - An organization of fraternal cooperation. p. 16.
Kapranov, I. - The aid of the U.S.S.R. in industrialization of socialist countries. p. 21.
Voronov, I. - Contribution of the Russian Federation. p. 27.
Semin, N. - For the satisfaction of workers' growing needs. p. 30.
Meetings, negotiations, contracts. p. 34.
Rayango, D., Vabar, M. - Estonian goods on the world markets. p. 35.
Koshentaevskii, V. - In the interest of both countries p. 38.
Frey, L. - Foreign exchange condition of capitalist countries in 1963. p. 40.
Suslin, P. - Economic contradictions of European integration at its present stage. p. 47.
Voevodin, E. - The "secrets" of competition. p. 52.
Lord Boyd-Orr for trade expansion between the East and the West. p. 55.
Nesterov, M. - At the fairs and exhibitions. p. 57.
Podzorova, N. - A construction project of friendship. p. 59.
Kur'erov, V. - New trends. p. 61.
Georgiev, E. - Price problems of the world capitalist market. p. 65.
Morolev, R. - Technical instructions. p. 68.
Trade agreement between the U.S.S.R. and Italy for 1966-1969. p. 70.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Instytut ekonomiky Akademii nauk URSR [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 2, Mar.-Apr. 1964.
Table of contents translated:
Editorial: Put the decisions of the February Plenum of the Central Committee of the CPSU into practice. p. 3.
Kochubei, A. - The most important tasks in developing the national economy of the Ukrainian S.S.R. p. 9.
Nesterenko, O. - The law of the economics of working time and putting it into practice in the building of communism. p. 15.
Teplyts'kyi, V., Bohachenko, A. - T.G. Shevchenko's social and economic views. p. 24.
Poliakov, D. - Tasks of chemical machinery manufacturing in 1964-1965. p. 32.
Miroshnykov, P. - Economic efficiency of automation in machinery manufacturing. p. 37.
Volichenko, O. - A progressive practice in continuous operation planning in the Novocherkassk Electric Locomotive Plant. p. 43.
Horiachkin, M. - Automation and wages in the tire manufacturing industry. p. 49.
Popov, V., Senin, O. - In the effort for improving the agriculture of Kherson Province. p. 52.
Parubochyi, I., Bairak, I., Kryvokobyl's'kyi, , I. - Improve the organization of labor in agriculture. p. 56.
Zakharin, O. - Ways to reduce the cost of swine. p. 62.
Tipko, A. - Potentials for creating the abundance of cheap eggs and poultry meat. p. 66.
Kulikovs'kyi, B. - Economics of hop growing on the state farms of the Ukraine. p. 71.
Darahan, M., Savenko, L. - Procedure for calculating the cost of production in an industrial enterprise. p. 75.
Huba, I. - Intensive specialization of state farm production is an important factor in increasing labor productivity and reducing the cost of production. p. 80.
Korol', M. - Development of communist property relations. p. 86.
Samiilenko, I. - The harvest is only as good as the fertilizers used. p. 92.
Sharovkin, M. - Success is determined by fertilizers. p. 93.
Nazarov, H. - Collective farms need agrochemical laboratories. p. 94.
Horodylovs'kyi, I. - Chemistry and land fertility. p. 95.
Obozhda, I. - Chemicalization plus organic fertilizers. p. 95.
Buchats'kyi, O. - Reorganizing the consumers cooperative wholesale trade of Cherkassy Province. p. 97.
Liesh, M. - Development of domestic trade in the Polish People's Republic. p. 102.
Moskvin, O., Khyliuk, F. - Improve the standards of developing the national economic planning theory. p. 109.
Virnyk, D. - Necessary and useful book. p. 112.
Kryven', P. - Fundamental work on the theory of money in Russia. p. 116.
Tereshchenko, I. - Interrepublic Conference on the Reproduction of Social Product and National Income in the Union Republics. p. 118.
Survey of the national economic development of the Ukrainian S.S.R. for 1963. p. 120.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 36, no. 3, Mar. 1964.
Table of contents translated:
Editorial: The decisions of the February Plenum of the Central Committee of the CPSU should be put into practice. p. 1.
Andrienko, L. - Chemistry is a decisive means for increasing the production of grain in the Ukraine. p. 9.
Kolomiets, F. - For the efficient organization of agriculture in the virgin land. p. 18.
Bochkarev, A. - Potentials for increasing grain production and reducing its cost. p. 29.
Tiutiunikov, A. - Use feeds efficiently. p. 36.
Kozhevnikov, P. - The supply system of machinery and equipment to collective and state farms. p. 40.
Chemistry in agriculture. p. 55.
Skripnik, V. - Use fertilizers taking into consideration the characteristics of culture and soil. p. 60.
Efimov, A., Borisov, V. - The practice of leaders is a sure path for improving the laggers. p. 63.
Shaminko, V. - There are all conditions for the improvement of farms. p. 69.
Popov, IU, Simakov, I. - Depreciation of agricultural machinery and the cost of tractor work. p. 73.
Koz'min, V. - Comprehensive mechanization in developing humus deposits. p. 79.
Zakarian, M. - Machine for cultivating a wide-row plantation of row crops. p. 84.
Abdil'manov, U. - Establishing wage rates on the collective farms of arid regions. p. 86.
Mel'nichuk, K., TSukanov, I. - A new system of original accounting. p. 87.
Glazun, A. - Computing differential rent on collective farms near cities. p. 91.
Groshev, V. - Method for balancing feeds according to their protein content. p. 99.
Maniakin, A. - Determine the expenditure of feeds for milk [production] correctly. p. 100.
Mamedov, K. - The Caucasians are developing valleys. p. 102.
Dudin, S. - Raising farm animals for meat in Canada and England. p. 104.
Dmitrashko, I. - Accumulation and the development of collective farm property. p. 115.
Badir'ian, G., and others. - Critical remarks on a good book. p. 118.
Il'ichev, A. - Provide agriculture with trained personnel. p. 121.
Ovchinnikov, N. - Books published by the "Ekonomika" Publishing House in 1964. p. 123.
Pribytkov, V. - A great sowing. p. 126.

Vol. 36, no. 4, Apr. 1964.
Table of contents translated:
Editorial: Along the Lenin path toward the new goals in the building of communism. p. 1.
For an efficient introduction of scientific achievements and progressive practice on all collective and state farms. p. 5.
Dmitriev, V. - Lenin on irrigation farming. p. 12.
Kebin, I. - Along the intensification path. p. 17.
Danialov, A. - Irrigation is the basis of a sharp upsurge in the agriculture of Daghestan. p. 25.
Semenov, V. - Sources of formation and the use of fixed assets and working capital on state farms. p. 30.
Alisov, M. - Hydroponics and its advantages. p. 44.
Lysykh, G. - Inspector-organizer is a disseminator of everything new and progressive. p. 55.
Specialization, concentration and the efficient size of agricultural enterprises; review of articles. p. 61.
Borovskii, V. - Labor organization on irrigated lands. p. 74.
Luk'ianova, V. - Collective farmers' pension insurance. p. 78.
Shmonin, I. - Determine the structure of grain planting correctly. p. 83.
Sorbin, V. - Use the accumulated manure fully. p. 91.
Burminova, E. - Economic bases of land cadastre. p. 93.
Balitskaia, V. - The economist's work is honorary and responsible. p. 99.
Zhamishev, B. - Improve the bonus system on state farms. p. 102.
Shul'gin, A. - Petroleum growth promoting substance pays for itself at a high rate. p. 104.
Katrich, A. - Improve economists' role in production administrations. p. 106.
Soroko, N. - Chemistry in the agriculture of Sweden. p. 108.
Ustinov, M. - Capital investments are the basis of agricultural intensification. p. 115.
Kuznetsov, G. - From practice to scientific generalization. p. 118.
Karliuk, I. - Useful study. p. 119.
Tadeush, P. - Competition for the best use of mineral fertilizers. p. 121.
Darbinian, G. - Work of the norms research center of the Armenian Republic. p. 122.
Follow-up our materials. p. 125.

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, no. 3, Mar. 1964.
Table of contents translated:
Editorial: An obligatory condition for the building of communism. p. 3.
Etmekdzhiian, A. - Decisions of the December Plenum of the Central Committee of the CPSU and the tasks of construction workers. p. 4.
Martirosov, I., Daniushevskii, Z. - Results of the all-Union public inspection of the quality of construction. p. 10.
Rozova, M., Protopopov, G. - Standardization of the stocks of materials in construction. p. 20.
Chemov, V. - Several problems of rural construction. p. 26.
Udovichenko, N. - The Zaporozh'ye Construction Trust in the effort for good work indices. p. 31.

New books. pp. 35, 73.
Kitsis, B. - Labor victory of the Grodno builders. p. 36.
Frumkina, N. - Material incentives for improving the quality of work in housing and civil engineering. p. 43.
Efremov, S. - For further regulation of contractual relations in construction. p. 46.
Dubinskii, M. - Problems of developing norms for planning labor productivity. p. 50.
Birman, I., Gokhman, V. - Optimal programming in construction planning. p. 56.
Wages for the workers of construction and assembly organizations. p. 61.
Compensation for additional expenditures connected with the mobility of work in construction. p. 62.
Procedure for calculating average earnings in paying wages to workers and employees in construction. p. 63.
Standard regulation on the deputy manager (chief) of economic problems and the chief economist of a construction (assembly) trust. p. 66.
Delkina, R. - Valuable aid for the students of construction economics. p. 68.
Naishtut, L. - Reducing the cost of mechanized work. p. 69.
Follow-up of our materials. p. 71.

No. 4, Apr. 1964.
Table of contents translated:
Editorial: The economist should look ahead. p. 3.
Nassonov, N. - Evaluating the economic efficiency of structural elements at the stage of designing. p. 7.
Kanygin, IU. - Ways to improve the calculations of the economic efficiency of capital investments. p. 14.
New books. pp. 21, 24, 73.
Leitman, S., Dolgonos, A. - Provide agriculture with high quality structures. p. 22.
Improve the efficiency of economic work; at a creative meeting in Cherepovets. p. 25.
Rotshtein, A., and others. - First results of an experimental check of the new indices of production volume and labor productivity. p. 31.
Timoshenko, N. - Determining the economic efficiency indices of a continuous line construction. p. 42.
Rotkov, V. - Planned accumulations in construction. p. 47.
Planning the technological development and organizational-administrative measures of a construction organization. p. 51.
Problems of estimated norms. p. 55.
Procedures for computing average earnings in paying wages to construction workers and employees. p. 57.
Improving economic work in construction; based on conference materials. p. 60.
In the Academic Council of the Institute for Research in Construction Economics. p. 67.
Timofeev, S. - Improve the quality of planning costs in construction. p. 68.
Letters to the editor. p. 71.

KISHINEV. UNIVERSITET. Uchenye zapiski: Mezhvuzovskii sbornik po politicheskoi ekonomii [UNIVERSITY. Studies: Interuniversity Papers on Economics]. No. 2, 1963.
Table of contents translated:
Chaban, IA.S. - Formation of differential rent on the collective farms of the Moldavian S.S.R. p. 3.
Gorbach, V.S. - The necessity and several economic conditions for transferring collective farms to a monetary wage system. p. 19.
Chembrovskii, V.V. - Sale of collective farm produce and developing commodity and monetary relations. p. 37.
Fedorova, T.M. - Commodity and monetary relations between city and village during the large-scale building of communism. p. 51.
Bobanova, T.I. - Training skilled workers in the vocational and technical school system of the Moldavian S.S.R. p. 65.
Zabrodchenko, P.S. - Reducing costs in the canning industry of the Moldavian S.S.R. p. 75.
Kozhukhar', A.F. - Public consumption funds are an economic category of the communist means of production. p. 94.
Daril, M.A. - Productive and nonproductive labor under socialism. p. 107.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 5(67), May 1964. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1964.
Table of contents translated:
Current problems of world politics; international survey. p. 3.
Kondrat'ev, Vl. - Industrialization of India and the economic role of the state. p. 23.
Nikitin, S. - Cost structure of the national production of the U.S.A.; its changes and causes. p. 37.
Koval'skii, N. - After the session of the Ecumenical Council. p. 50.
Dalin, S. - Several problems in the current struggle for the repartition of the world market. p. 60.
Al'ter, L. - The theory and practice of capitalist regulation. p. 71.
Khesin, E. - The European Free Trade Association; results and prospects. p. 80.
Menzhinskii, E. - The "Europe of trusts" in the world markets. p. 93.
Kolomiitsev, V. - Expansion of the democratic movement in France. p. 103.
Dunaevskaia, B. - Why trade unions are not growing in the U.S.A. p. 106.
Tiagunenko, L. - The agro-industrial combine practice. p. 109.
Chukanov, M. - The South Korean bankrupts. p. 111.
Brief news. p. 113.
Socialism, capitalism and the underdeveloped countries. p. 116.
Rydvanov, N. - Place of individual countries in the industrial production of the capitalist world. p. 132.
Rozental', E. - Military expenditures of the countries of NATO. p. 134.
Leonidov, A. - William Gallagher. p. 136.
Fedorov, M. - Luis Corvalan. p. 138.
Titov, B. - Jens Otto Krag. p. 139.
Dwight Eisenhower's memoirs. p. 141.
Sushchenko, V. - Canada and American monopolies. p. 149.
Petrov, Vl. - Self-justifications of the former chief of intelligence. p. 151.
Bystrov, F. - New publication of the works of a prominent Soviet economist. p. 154.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Commission of the Council of Ministers of the Armenian S.S.R.]. Erivan, nos. 5-6, 1964. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S.S.R.]. Alma-Ata, vol. 22, no. 4, Apr. 1964.
Table of contents translated:
Trubnikov, V. - The construction of the combine should be speeded up. p. 4.
Velichko, E. - Captives of confusion. p. 6.
Ural'skii, M. - Don't lose a single day! p. 8.
Frolova, K. - More than 400,000 rubles. p. 10.
Nazarenko, I. - Meet the Dmitriev brigade members. p. 11.
Nikolaev, A. - A good boss is a master of any situation. p. 12.
Polishchuk, I. - Transportation and prospects for its development. p. 14.
"Universal" level. p. 19.
Uspenskii, V. - Supply the by-product coke industry with a reliable raw material base. p. 20.
Timofeev, L. - Assembly workers on the fields. p. 21.
Shcherbinin, P. - They are analyzing and economizing. p. 23.
IAvorskii, D. - Innovators' council. p. 26.
Tripol'skii, V. - Control unit. p. 27.
Geller, L. - Don't stop midway. p. 29.
Anoshkina, R. - There will be a hundred tons more! p. 31.
Nidekker, G. - Special features of using the new accounting method. p. 33.
Pilipeichik, E. - In a mixed brigade operating on a business accounting basis. p. 35.
Cherkasov, V. - Balancing between profitableness and losses. p. 37.
Plan, continuity and rhythm. p. 41.
Brovkin, A. - New projects and old indifference. p. 49.
Shkarupa, D. - Speed up the construction of a hydraulic structural complex on the Ishym. p. 52.
Volkov, E., Skliarov, P. - A regional economic council and its work methods. p. 55.
Kirichenko, I. - Health schedule. p. 56.
Aleinikov, S. - Wizard of green ornamentation. p. 60.
Sorokin, V. - He is loyal to duty. p. 61.
Ermakov, M. - Conquerers of subterranean depths. p. 62.
Kalantaevskii, V. - Planning and control of labor and wages. p. 63.
Aidarov, K. - They are scattered and weak. p. 70.
Vetrov, F. - Disseminate knowledge with skill. p. 72.
Lobyntsev, I. - If there is less hindrance and lack of coordination. p. 73.
Agarev, P. - Claims of the head of the workshop. p. 74.
Korovainyi, V. - Plaster is an important occupation. p. 75.
Afanas'ev, G. - Give good machines. p. 75.
Dairbekov, Zh., Karibdzhanov, S. - Pluses and minuses of a new book. p. 76.
Kozybaev, M. - Useful work. p. 77.

NARODNOE KHOZIAISTVO SREDNEI AZII [THE NATIONAL ECONOMY OF CENTRAL ASIA]. Issued by Planovaia komissiia and Sovet narodnogo khoziaistva Sredneaziatskogo ekonomicheskogo raiona [Planning Committee and the Economic Council of the Central Asian Economic Region]. Tashkent, vol. 1, no. 2, Feb. 1964.
Table of contents translated:
Struggle for intensification is a current task. p. 3.
Rashidov, Sh. - Unity and fraternity. p. 7.
Put the wealth of irrigated lands in the service of the people p. 16.
Bodryi, M. - The first collective of communist labor; a sketch. p. 21.
The new frontiers of industry. p. 27.
Annaliev, A. - There will be more fuel. p. 32.
Vasil'ev, L. - Is this the way to handle the Kara-Bogaz treasures? p. 34.
Belyi, N. - Everybody is responsible for the quality. Disseminate the valuable practice of the Saratov workers among all enterprises. p. 41.
Again to the Urals; interview of our correspondent with the builders of the second gas pipeline Bukhara - Urals. p. 52.
Fokin, A. - How to uncover potentials at the work area. p. 69.
Khokhriakov, IU. - The transformed Pamirs; from a journalist's notebook. p. 76.
Anatol'evskii, E. - Man, the master of plants. p. 81.
A good humor service; our inspection in Dushanbe. p. 87.

Vol. 1, no. 3, Mar. 1964.
Table of contents translated:
Israilova, Zulfiia, Kadyrbaev, Kurman - We salute you, noble toilers! p. 10.
Ibragimov, S. - Build faster, better and cheaper. p. 21.
Khokhriakov, IU. - The transformed Pamirs (conclusion). p. 30.
Rodov, A. - A continuous, operational...(from a planning practice in the Novocherkassk Electric Locomotive Plant). p. 44.
Usmanov, R. - Kirghizistan can give more sugar. p. 49.
Khodzhaev, K. - Improving transportation efficiency is a comprehensive problem. p. 54.
Sulunbaev, A. - The trend is toward the new and progressive. p. 57.
Charyev, R. - Great possibilities of the collective and state farms of Turkmenistan. p. 60.
Shuvaev, A. - Hydroponics, a fertility without soil. p. 63.
Skripnik, M. - The "life" water (the miracles of chemistry). p. 66.
Ershov, A. - Combine's main robot. p. 80.

Vol. 1, no. 4, Apr. 1964.
Table of contents translated:
Long life to you, dear Nikita Sergeevich! p. 3.
With Lenin in heart. p. 4.
Khusainov, A. - A truly public control. p. 8.
Elisavetskii, B. - The Leninist principles of planning. p. 15.
Ziiadullaev, S. - The trend is toward the high efficiency of capital investments. p. 27.
Otorbaev, K. - The republic's profile is changing. p. 37.
Fedoriakov, P. - A new path to the Caspian Sea. p. 43.
Mazover, IA., Probst, A. - What the fuel power of the republic should be like? p. 49.
Petrakov, S. - Planning of cotton growing in Turkmenistan is at variance with economics. p. 58.
Kaliakin, P. - Think, count and improve. p. 61.
Kirghiz satirical journal "Chalkan" is our visitor. p. 90.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 41, no. 5, May 1964.
Table of contents translated:
Kotov, F. - Current problems of working out a new five-year plan. p. 1.
Efimov, A. - Structural changes and increasing the efficiency of productive work. p. 13.

Fedorenko, N., Vain, A. - Location of the chemical industry. p. 24.
Meleshkin, M., Sidorov, A., Cherevko, I. - Method for determining a standard time for attaining planned production capacity. p. 33.
Belov, M. - Practice in a preliminary calculation of the national income of the Lithuanian S.S.R. for 1966-1970. p. 43.
Cherniavskii, V. - Intensification of construction production. p. 49.
Shnaider, M. - Improve ways to measure the plan for the production of industrial rubber goods. p. 55.
Sotnikov, G. - Inspection results of the economic work of enterprises. p. 59.
Kamenetskii, V. - Soviet firms; results and prospects. p. 62.
Korotkov, V. - Important problems of technological progress. p. 67.
Grushetskii, L. - Several problems in the economics of fertilizer application. p. 73.
Evtikhiev, N. - Planning the state purchases of agricultural products. p. 78.
IUr'ev, IU. - Economic stimulation in the national economy of socialist Yugoslavia. p. 82.
Davydov, IU. - Cybernetics and planning. p. 90.
In the State Planning Commission of the U.S.S.R. p. 95.

POLLUMAJANDUSOKONOOMIKA KOOL [SCHOOL OF AGRICULTURAL ECONOMICS]. Tallinn, no. 1, 1963. [In Estonian]

PRIMENENIE MATEMATIKI V EKONOMIKE [USE OF MATHEMATICS IN ECONOMICS]. Issued by Kafedra i Laboratoriia ekonomiko-matematicheskikh metodov Leningradskogo gosudarstvennogo universiteta [Department and Laboratory of Mathematical Economic Methods of the Leningrad State University]. Leningrad, no. 2, 1964.

Table of contents translated:
Rakhmanin, G. D. - Algorithm of consecutive refinement in a nonlinear problem. p. 3.
Anikeich, A. A. - Optimal planning of the national economy and the production cost indices of an industrial enterprise. p. 13.
Beksiak, IA. - Role of the indivisibility of capital investments in the reproduction process. p. 34.
Serebriakov, B. G. - Criticism of the bourgeois economics model of the "balance of a firm." p. 44.
Kuzin, B. I. - Determining the efficient size of machine part lots. p. 59.
Kuzin, B. I. - Application of mathematical programming in minimizing intraoperational surpluses on direct flow lines. p. 78.
Kardash, V. A. - Mathematical models for the structure of planting acreage on a farm. p. 94.
Batalina, T. S. - Age aggregates of the population of the city of Leningrad according to censuses before and after the revolution. p. 100.
Miasnikova, L. P. - Valuable aid for economists. p. 128.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of TSentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, no. 5, 1964.

Table of contents translated:
Skliar, V. - Intensification of agriculture in the Kuban; from the economic work practice of a statistical administration. p. 3.
Riznik, A., Litvak, S. - The fuel power balance of the U.S.S.R. for 1962 and the problems of the efficient use of fuel and power. p. 11.
Kuvshinnikova, A., Avdeev, IU., Chekmazova, V. Determining the average length of apartment house construction periods. p. 24.
Ploshko, B. - From the history of views on the interrelationship between economics and statistics. p. 28.
Voinovskii, D. - Tasks and activity of the Conference of European Statisticians; brief note. p. 34.
Bulgakov, V. - From our auditing office work practice. p. 38.
Astvatsaturov, V., and others. - More on accounting for the state deliveries of agricultural products in statistical organs. p. 41.
Vasil'ev, D., Pankova, K., Rapoport, M. - Against an incorrect understanding of comprehensive machine accounting on collective and state farms. p. 46.
Podol'skii, V., Romanov, B. - Automatic start of the printing unit in setting the T-4MI tabulating machine for "total." p. 53.
Besman, V. - Improve accounting in the retail trade system. p. 56.
Follow-up of our materials. p. 57.
Sipovskaia, I. - Textbook on statistics for economic geographers. p. 59.
New books on statistics and accounting. p. 64.
Statistical problems discussed in newspapers and journals. p. 67.
V. V. - Conference of the heads of statistical organs of the R.S.F.S.R. p. 68.
V. S. - Conference on the methodological problems of statistical measurement of production quality and reliability. p. 75.
Pokrovskii, V. - Using the correlation method for studying the cost of electric equipment. p. 77.
Dashin, I. - Expert Council of the Central Statistical Administration of the R.S.F.S.R. p. 78.
Several indices of agricultural development in 1963. p. 79.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1964.

Table of contents translated:
Leont'ev, L. - Lenin on economics. p. 3.
Savinskii, E. - Several problems of studying the economic efficiency of the comprehensive use of chemistry in the national economy. p. 22.
Ignatovskii, P. - Economic efficiency of the intensification of agriculture. p. 35.
Atlas, Z. - Laws governing the circulation of money and their significance for a socialist economy. p. 45.
Strumilin, S. - On the problem of labor incentives. p. 59.
Miroshnichenko, B. - Current problems of socialist planning. p. 65.
Torbin, V. - Influence of transportation costs on territorial price determination. p. 79.
Economists and mathematicians at a "round table." p. 86.
Kolganov, M. - Economics and natural sciences. p. 87.
Pavlov, S., Slastenko, E. - Effect of technological progress on the increase of labor productivity. p. 101.
Moshenskii, M. - Study of the regularities of price determination at the world capitalist market. p. 104.
Determining the economic efficiency of capital investments and new machinery. p. 109.
Berg, A., Kossov, V., Poliak, G. - Studying the problem of price determination. p. 134.
Moskvin, P., Sobol', V. - Concept of the consumption fund. p. 137.
General meeting of the Department of Economics of the Academy of Sciences of the U.S.S.R. p. 139.
In the Academic Council for the Over-All Problem on the "Regularities in the Development of Socialism and Transition to Communism." p. 142.
Linkun, N., Sokolovskii, A. - Coordination of economic research. p. 146.
Improving price determination in construction and industries manufacturing building materials and structural elements. p. 150.
Rutgaizer, V. - Academic conference on the reproduction of the national product and national income in the Union Republics. p. 153.
Livshits, S. - Application of mathematics and electronic computers in economics. p. 157.
Anniversary of a scholar and Bolshevik. p. 159.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 22, no. 3, Mar. 1964.

Table of contents translated:
Ushakov, V. - Take active part in aiding agricultural intensification. p. 3.
Kaganov, G. - Methods for determining the amount of money necessary for the circulation. p. 11.
Arastanov, K. - Efficiency of credit for new machinery. p. 20.
Bezdelev, V. - Enlarging the sphere of using credit for new machinery. p. 27.
Vakhrin, P. - Direct relations between trade and industry. p. 29.
Dadamian, V., and others. - Bank control in construction and repair. p. 32.
Sadkhin, S. - We are trying to increase the efficiency of capital investments. p. 45.
Kinash, T. - Our economic work practice. p. 47.
Travinskii, A. - The bureau of economic analysis works efficiently. p. 48.
Tevianskii, E. - We are helping service industry enterprises. p. 50.
Kravchenko, P. - Work on a volunteer basis. p. 51.
Boiko, N., Shteinberg, M., Kutiavin, L. - Bank and the collective farm. p. 53.
Guseev, IU. - Economic conferences. p. 58.
Kolpashnikov, M. - How we analyze swine cost. p. 61.
Gol'd, A. - Expand payments by checks. p. 63.
Zav'ialova, A. - From the work practice of a machine accounting center. p. 65.
Letters from readers. p. 68.
Improve bank's operational work standards. p. 73.
Potach, S. - Credit planning in Czechoslovakia. p. 79.
Serebriakova, L. - The European Investment Bank. p. 86.
Prokopenko, G. - Creation of the international commercial bank associations. p. 88.
Brief information on foreign exchange and banks abroad. p. 90.
In the Board of Directors of the State Bank of the U.S.S.R. p. 90.
Bookshelf. p. 93.

Vol. 22, no. 4, Apr. 1964.

Table of contents translated:
IAsnov, M. - Let us devote all our strength to the solving of the most important problems of the building of communism. p. 3.
Zotov, M. - Current problems. p. 10.
Mitel'man, E. - Develop and improve the State Bank's credit relations with the chemical industry in every way possible. p. 16.
Rabinovich, M. - Issuing credit to chemical industry enterprises. p. 25.
Kurmaev, A. - Bank's role in developing large-scale chemistry and increasing the production of goods. p. 29.
Krotov, V. - Credit-payment service to enterprises. p. 33.
Pessel', M. - Credit functions. p. 35.
Chernov, I. - Several problems of improving the bank's work. p. 43.
Sobolev, A. - Our tasks. p. 47.
The communist labor movement is expanding. p. 49.
For putting into practice the decisions of the December 1963 and February 1964 Plenums of the Central Committee of the CPSU. p. 54.
Chelnokov, V. - Economic work organization in the Syzran and Stavropol State Bank branches. p. 50.
Rukhovets, S. - Credit-payment service to collective farms. p. 60.
Gorbylev, F. - From working with collective farms. p. 63.
Verbitskii, V. - Credit relations with intercollective farm building organizations. p. 64.
Miroshnikov, P. - Development of savings bank business in the Kuban. p. 67.
Moreinis, IA. - Special features of the analysis of the administrative operations of sugar plants. p. 70.
Felvideky, I., Roka, R. - Issuing credit and credit planning in the Hungarian People's Republic. p. 80.
Grigorenko, A. - The Kuwait fund for the development of the Arab countries. p. 85.
Brief information on foreign exchange and banks abroad. p. 87.
In the Board of Directors of the State Bank of the U.S.S.R. p. 94.
In the Board of Directors of the State Bank of the U.S.S.R. and the Presidium of the Central Committee of the Government Employees Trade Union. p. 95.

FINANSY SSSR [FINANCE OF THE U.S.S.R.] Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 38, no. 3, Mar. 1964.

Table of contents translated:
Editorial: Development of the large-scale chemistry and objectives of financial organs. p. 3.
Fadeev, I. - Utilize potentials more fully for a successful fulfillment of the R.S.F.S.R. budget. p. 8.
Nikolashkin, A. - Ways to reduce the cost of mineral fertilizers. p. 20.
Charkov, M. - Place chemical enterprise construction under an unremitted control. p. 24.
Malyshev, S. - Chemical equipment should work at full capacity. p. 27.
Razinkov, A. - Eliminate deficiencies in construction financing faster. p. 30.
Moreinis, IA. - Several problems of improving planning in the sugar industry enterprises. p. 33.
Ratner, I. - Profit of supply and sale organizations. p. 40.
Bilashov, V., Gershberg, I. - For further improving of planning costs and accumulations. p. 44.
Pyzh, V. - From practice in establishing norms for working capital. p. 49.
Vladimirskii, B. - Daily production analysis. p. 50.
Khmelovskii, K. - It is possible and necessary to find potentials. p. 53.
IAshchenko, I. - They don't take care of mineral fertilizers. p. 55.
Nefedov, V. - Useful inspections. p. 56.
Vichurin, I. - New norms are not applied. p. 57.

Stasevich, M. - We are trying to eliminate deficiencies. p. 58.
On unnecessary structural units, inflated personnel and excessive wages; review of articles and correspondence received by the editor. p. 60.
Malskii, P. - Economic work is in the first place. p. 65.
Khue, Ngok - Several problems of finance in the first five-year plan of the Democratic Republic of Vietnam. p. 73.
Lacoskii, V., and others. - Textbook on the finances of the U.S.S.R. p. 82.
Mikhailov, D. - Useful book. p. 86.
In the Collegium of the Ministry of Finance of the U.S.S.R. p. 89.
Conference of state insurance workers. p. 93.
Conference of the readers of "Finansy S.S.S.R. in Kiev p. 94

Vol. 38, no. 4, Apr. 1964.
Table of contents translated:
Kutuzov, G. - Intensification of agriculture is a national task. p. 3.
Gumerov, R. - Problems of reducing the cost of livestock products on collective farms. p. 10.
Dovetov, M., Serebrianyi, G. - Organization of the working capital of chemical industry enterprises. p. 20.
Dementsev, V. - Strengthen payment discipline. p. 25.
Tul'chinskii, L. - Ways to increase the efficiency of expenditures for higher education. p. 31.
Carry out the government revenue for 1964 successfully:
Bliashov, V. - For the right to have the title of a communist labor collective. p. 39.
Galanin, A. - Efficiency is the main thing. p. 43.
Mikhonicheva, F. - Unsoved problems. p. 46.
Petin, I. - On the bases of volunteer participation. p. 47.
Dzhaparidze, B. - Improve the work. p. 48.
Mokhov, B., Freiman, T. - Possibilities to economize are not used. p. 50.
Kryzhanovskaia, E. - Work of volunteer inspectors. p. 51.
Replies to the editor. p. 52.
Baratov, G., Vedeneev, P., Kulikov, V. - In step with life. p. 54.
Boldyrev, B. - Bourgeois state budget at the present-day stage of the general crisis of capitalism. p. 66.
Semenov, V. - Special features of the monthly and quarterly report analysis of a state farm. p. 75.
Raiskina, M. - How to analyze operation indices of chemical enterprises. p. 84.
In the Collegium of the Ministry of Finance of the U.S.S.R. p. 90.
In the Collegium of the Ministry of Finance of the Ukrainian S.S.R. p. 91.
Meeting of the activist group of financial workers. p. 94.

d. LABOR

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 20, no. 7(289), Apr. 1964.

Table of contents translated:
Rogacheva, E. - Knowledge and experience are our wealth. p. 2.
Antonov, A. - Each hectare should be utilized fully. p. 4.
Labor passport. p. 6.
Sidorov, V. - Il'ich's animated features. p. 8.
Dudochkin, P. - The Bel'sk novelettes. p. 10.
Chernov, A. - Great image. p. 12.
Shavlovskii, N. - Chemistry and the "Kiev percentage." p. 13.
Mironycheva, Z. - Education and labor are inseparable. p. 16.
Shirokikh, G. - Become acquainted with the beautiful. p. 18.
Sharipov, M. - In the name of comrades. p. 19.
Solntsev, IU. - Sports enthusiasts. p. 20.
IUr'eva, A. - In order to raise a good man.... p. 22.
Petrenko, S. - Romance of nautical routine. p. 24.
When volunteers take over; readers' and volunteer correspondents' reports. p. 27.
Emel'ianov, A. - First entry. p. 28.
Bondar', A. - The collective's spirit. p. 30.
Nikitin, S. - Salute, Anna Alekseevna! p. 31.
Bard, S. - Outstripping time. p. 32.
Lebedinskaia, V. - A "Beacon" on the avenue. p. 33.
The reader continues the conversation. p. 34.
Gerasimov, V. - The red stars are shining. p. 36.
Lavigne, Raymond. - "L'Humanite" celebrates its 60th anniversary. p. 38.
Militant course of Algerian trade unions. p. 39.
Plungian, R. - They let themselves go.... p. 40.
From the satirist's notes. p. 40.
Simonenko, G. - Supplements to regulations on compensation for damages. p. 42.
Letters from the editor. p. 44.
New standard regulations. p. 45.
Replies to our readers. p. 46.
Lilienthal', A. - Ostap Bender is checkmated. p. 48.

Vol. 20, no. 8(290), Apr. 1964.
Table of contents translated:
Editorial: The Day of Peace and Labor. p. 2.
Ivanov, V. - People of know-how on an important front. p. 4.
Emel'ianov, A. - Man's glory is in his deeds. p. 7.
Dzhafarov, B. - The fields and the farms are our laboratories. p. 8.
Popov, IU. - The neighbor's land is not a foreign land. p. 11.
More on attention and sensitiveness. p. 13.
Novichkov, A., Ushatikov, N. - The press of our plant. p. 14.
Sazhin, Petr.-Along the paths of life; passage from a story. p. 16.
Soifer, V. - A novice comes to the workshop. p. 16.
Zav'ialov, N. - Concern about domestic services to farmers. p. 18.
Bogatikov, V. - So that the worker would thank you. p. 20.
Chubarov, G. - How we distribute apartments. p. 20.
Maksimov, P. - There should be no "fires." p. 22.
Rozenberg, A. - A cooperative settlement. p. 24.
Rumiantsev, A. - House preservation is our concern. p. 26.
Polynin, V. - A workshop undergoes changes; a sketch. p. 28.
Slovokhotnov, A. - Man behind the wheel. p. 30.
Nalbandian, D. - Art belongs to the people; an artist's notes. p. 33.
Bocharnikov, V. - People of a noble soul. p. 35.
Andre Wurmser. - New times. p. 36.
Zhavelin, V. - Life demands changes. p. 38.
Irena Janiszewska - In the name of happiness and joy. p. 40.
Letters from the editor. p. 41.
Epshtein, A. - Labor disputes and the time limit for their settlement. p. 42.
Replies to our readers. p. 44.
New standard regulations. p. 45.
Kagan, IU. - Caution: toxic chemicals! p. 46.
Notes on books. p. 47.
Satire and humor. p. 48.
Chess. p. 48.

VSEMIRNOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirnaia federatsiia profsoiuzov [World Federation of Trade Unions]. Moscow, no. 11, Nov. 1963.

Table of contents translated:
Saillant, Louis - The Moscow Treaty and the international trade-union movement. p. 1.
Saillant, Louis - The fight for peace is our main task. p. 3.
A message from the Spanish workers' opposition to the international trade-union movement. p. 6.
Underwood, V. - Rebuff to the right wing opens way to advances. p. 8.
Alves, Joao - Portugal, its present and future. p. 12.
Suzuki, Makoto - We have escaped death. p. 16.
Babs, M. - The W.F.T.U. and the struggle in South Africa. p. 19.
Pinto, Jaime - The working class is embarked on a decisive action. p. 22.
Sarr, Mustapha - On the agenda is trade-union unity. p. 25.
Drischmann, W. - Workers are against imperialists' maneuvers in Southeastern Asia. p. 28.
N.K. - New violation of the right to strike. p. 30.
Sehnal, Milos - Against restrictions on trade. p. 31.
Dyer, John - On the march for freedom. p. 35.
Saillant, Louis - Forward, toward unity! p. 40.
Valentinov, Oleg - To build means to live in peace. p. 43.
Mewald, Jaroslav - International meeting on the problems of automation. p. 48.
Fachner, F. - Motion pictures in the service of industrial safety and hygiene. p. 49.
Declaration of the Secretariat of the W.F.T.U. on international solidarity with the striking Spanish miners. p. 51.
Let us defend the victims of Ecuador persecutions. p. 51.
Stop repressions against trade unions in Venezuela. p. 52.

VSESOIUZNYI TSENTRAL'NYI SOVET PROFESSIONAL'NYKH SOIUZOV. Sbornik postanovlenii [ALL-UNION CENTRAL COUNCIL OF TRADE UNIONS. Decisions]. Moscow, Jan.-Mar. 1963.

e. SOCIOLOGY

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 7/8 - 9, Apr.-May 1964.

NASHE ZHYTTIA. OUR LIFE. Issued by Soiuz ukrainok Ameryky [Ukrainian National Women's League of America, Inc.]. Philadelphia, vol. 20, nos. 2, 4, 7, 9-10, Feb., Apr., July, Oct.-Nov. 1963; vol. 21, no. 6, June 1964.

NOUKOGUDE NAINE [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no. 5, 1964. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 5(141), May 1964. [In Latvian]

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, vol. 41, no. 9(687), May 1964.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R.S.F.S.R.] Moscow, vol. 26, no. 4, Apr. 1964.
Table of contents translated:
Following Lenin's precepts. p. 2.
Main trend. p. 4.
Guardsmen of the labor front. p. 7.
Chetvertkova, T. - According to his inclination and his specialization. p. 11.
Let's work with initiative, deliberation and enthusiasm. p. 12.
Rulev, N., Smirnov, S. - Initiators of a great beginning. p. 14.
Faskheev, N. - To avoid mistakes. p. 16.
Sergeeva, A. - Rural workers should be given medical care. p. 22.
Trofimov, A. - Experts at a chemical plant. p. 25.
Bazilevich, O. - Blindness. p. 26.
Sivakov, A. - Back of the formal prosperity. p. 28.
Gritskovich, D. - Applying the work of physically handicapped in agriculture. p. 29.
Tepina, M. - Disease that has its own special characteristics. p. 30.
Sharapov, M., Moiseev, N. - Learn from the Gorky automobile workers. p. 32.
Results of three years of work. p. 34.
Karaseva, N. - Beginning of a new era. p. 36.
Leonov, IU. - Volunteer workers on their jobs. p. 41.
Strukov, M., Povzner, M. - Let's evaluate the results in a new way. p. 43.
Osmanov, M. - We service at home. p. 44.
Semidetova, P. - Volunteer construction offices. p. 47.
TSyrlova, N. - Shortcomings of a new design. p. 48
Automobiles for the physically handicapped. p. 50.
From the board of the ministry. p. 52.
Zabaznov, A. - Computation of pensions. p. 53.
Questions and answers. p. 56.
Editor's mail. p. 59.
Zhdanov, A. - Social insurance in the countries of Latin America. p. 60.

SOVET TURKMENISTANYNYN AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 4(130), Apr. 1964. [In Turkmen]

SOVETSKAIA ZHENSHCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 20, no. 6, 1964.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no. 4, 1964.

ZMINA [THE YOUNGER GENERATION]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 5(136), May 1964.

6. POLITICAL SCIENCE

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, no. 456(6), June 1964.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 20, no. 5, May 1964. [In Estonian]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 43, no. 5, May 1964. [In Kazakh]

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol. 47, no. 5(479), May 1964.

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 41, no. 8, May 1964.

Table of contents translated:
Editorial: The alliance between the forces of socialism and the national liberation movement. p. 3.
Akundov, V. - In a common line to a common goal. p. 11.
World Communists resist the dissenters. p. 20.
Bikkenin, N., Grigor'ev, G. - Our Soviet system. p. 35.
Mitrofanova, A., Poletaev, V. - The working class as a leading force in the struggle for communism. p. 46.
Grechishnikov, P., Kharin, V. - Democratic management of collective farms and the development of production. p. 57.
Correct interpretation of the history of the Communist Party of Western White Russia. p. 68.
Chalmaev, V. - Heroes and heroism in Soviet literature. p. 80.
Bregel', E. - Courses of economics and criticism of anti-Marxist theories. p. 90.
The cultural and artistic front. p. 98.
Shilov, B. - Contrasts in present-day capitalism: Who owns America? Tragedy of hundreds of thousands of people. The "secret" of the growth of food prices. p. 116.
Ivanov, A., Solopanov, IU. - Workers' participation in protecting law and public order. p. 121.
Gamlitskii, IA. - The fuel balance today and tomorrow. p. 125.
New books. p. 127.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 38, no. 4, Apr. 1964. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 36, no. 6, June 1962.

Table of contents translated:
An appeal of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. to the Soviet people. p. 2.
Communism will establish a lasting peace on earth. p. 8.
We should show a great concern for the education of Soviet youth. p. 14.
Krut'ko, N. - Leading role of workers during the large-scale building of communism. p. 18.
Kovalevskii, G. - Material self-interest is a potent incentive to the rapid development of collective farming. p. 25.
Bulavskii, N. - Our work should be efficient and well-organized. p. 33.
Khlobukin, I. - We consult, assist, and control. p. 35.
Propagandists are the high-principled and faithful soldiers of the party. p. 37.
Tychina, M. - A skillful propagandist. p. 38.
Lutskii, A. - A path to human hearts. p. 40.
Lovgach, V. - His exemplary work shows the rightness of his words. p. 43.
Kaminskii, I. - A historical data. p. 45.
Burnosov, V. - Our IAnka Kupala. p. 49.
Gretskii, A. - White Russian contacts with other countries. p. 55.
Fedorova, T. - Sociopolitical position of the newspaper "Minskii listok." p. 60.
Siniakovich, G. - "Pravda" in White Russia. p. 66.
Levin, G., Samuskevich, A. - A philosophical study. p. 68.
Dolbik, I. - Useful book. p. 72.
Pamphlet series "From the history of the Communist Party of White Russia." p. 73.
Dates, events, and people. p. 75.
In the departments of social sciences of the institutions of higher education. p. 78.
Follow-up of articles published in our periodical. p. 80.

Vol. 37, no. 11, Nov. 1963.

Table of contents translated:
Basic course of our ideological work. p. 3.
Evaluating the work of the party committee of the Collective and State Farm Administration in the Slutsk District of the White Russian S.S.R. p. 9.
There should be no collective or state farms that fall behind! p. 12.
To serve our people and to promote the cause of communism. p. 16.
Zhitnikov, G. - Further development of the Soviet state. p. 21.
Dmitruk, A. - The Leninist policy of peace. p. 27.
IAzykovich, V. - For close ties with enterprises and well-planned industrial management. p. 33.
Sutkalenko, P. - Two styles of work. p. 39.
New forms of ideological work. p. 43.
Matveev, V. - Let us do our best in protecting and increasing our public property. p. 45.
Ermolenko, N., Markevich, S. - Achievements of Soviet chemistry speed up our economic development. p. 50.
Kotov, M. - The bonus system of wages. p. 55.
Denchik, A. - History of the party teaches and inspires us. p. 60.
Strelkov, M. - The "school of work," and the "school of life." p. 64.
In the notebooks of propagandists. p. 65.
Marchenko, I. - Party guidance of the soviets. p. 70.
Lipinskii, L. - A study on the history of capitalism. p. 72.
Dates, events, and people. p. 74.
Scholarly research in the social science departments of the institutions of higher education. p. 78.
We recommend these books to our readers. p. 80.

Vol. 38, no. 4, Apr. 1964.

Table of contents translated:
Nikita Sergeevich Khrushchev's 70th birthday. p. 2.
The struggle of the CPSU for the unification of the international communist movement; resolution of the Plenum of the Central Committee of the CPSU, adopted on February 15, 1964. p. 5.
Editorial: Under Lenin's banner and in Lenin's footsteps. p. 7.
Kachan, IA. - Walking forward with confidence on an extensive front. p. 13.
Mashkov, G., Mishchenko, N. - Think, search, show initiative. p. 20.
Kolbenkov, N. - Lenin's theory of socialist revolutions and its further development. p. 27.
Kiselev, K. - The struggle for Lenin's principles in international relations. p. 33.
TSvirko, N. - The important road of intensification. p. 39.
Bel'skaia, Elena - The training center of a collective farm. p. 43.
For the propagandist's notebook. p. 45.
Gordysheva, Z. - Consolidate the family, take care of the education of children. p. 49.
Martirosov, G. - Don't be passive, attack! p. 54.
News on ideological work. p. 59.
Matveev, V. - Always in the front line. p. 61.
Dostanko, N. - And the word struck home like a bayonet! p. 66.
The theoretical organ of the Lenin party. p. 71.
People, events, dates.... p. 74.
At the social science departments of the institutes of higher learning. p. 77.
Interesting and instructive. p. 79.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, nos. 4-6, Apr.-May 1964.

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 5, no. 9, Sep. 1960.

Table of contents translated:
For raising the level of party guidance in industry and transportation. p. 3.
Golikov, V. - V.I. Lenin on the peaceful coexistence of countries with different socioeconomic systems. p. 9.
Kalabashkin, A. - The strengthening of the leading role of the Communist Party of the Soviet Union during the period of large-scale building of communism. p. 20.
Usik, P. - Let's make better use of the possibilities of building organizations. p. 30.
Makarenko, P. - An important national economic task. p. 37.
Popovitchenko, M. - Our experience in the popularizing of economic knowledge. p. 43.
Savel'ev, T. - Leaning on the activists. p. 50.
Vodop'ianov, N. - The permanent committee of the city committee of the party. p. 54.
Tolmachev, I. - Symptoms of the times. p. 57.
Zemba, L. - Efrosinia Floria, a village teacher. p. 63.
Sushkova, A. - The communist education of the masses during the period of large-scale building of communism. p. 66.
Miagkova, R. - "Dictionary of the seven-year plan." p. 74.
Party chronicle. p. 76.

Vol. 5, no. 11, Nov. 1960.

Table of contents translated:
Reports and elections in the party organizations of the Republic. p. 2.
Postovoi, E. - Let's increase the efficiency of party propaganda. p. 7.
More attention to cultural and educational institutions. p. 18.
Let's strengthen control and improve the fulfillment of plans. p. 23.
Koval', F., Pushko, D. - On the question of intra-farm concentration and specialization in gardening on Moldavian collective farms. p. 28.
Glushko, B. - Isn't it time to put into order the wages of chairmen of agricultural artels. p. 32.
Pavlenko, E. - Life devoted to children. p. 35.
IUsim, N. - A novice. p. 40.
Tiutekin, IU. - Constitution of the U.S.S.R., a symbol of struggle and victory of the Soviet people; material for discussion. p. 47.
Facts and figures. p. 51.
Ways to improve the use of production funds of collective farms; methodological advice. p. 55.
Suslov, A. - Let's implant a feeling of beauty. p. 68.
Zemel', G., Betimenko, B. - The conditions exist but there is no desire. p. 71.
Dzhurinskii, N., Zarkhin, M. - An important potentiality of leather economics. p. 72.
Brysiakin, S. - Documents of the Communist underground in Bessarabia. p. 74.
Read these books. p. 77.
Party chronicle. p. 79.

Vol. 8, no. 12, Dec. 1963.

Table of contents translated:
Plenary session of the Central Committee of the Communist Party of the Soviet Union. p. 3.
Rapid development of the chemical industry is the most important condition for the progress of Soviet farming and an improvement in the material welfare of the Soviet people; unanimous decision of the plenary session of the Central Committee of the CPSU of December 13, 1963 based on the report of Comrade N.S. Krushchev. p. 6.
Iordanov, I. - Two years later. p. 17.
Balan, G. - Facing the most important problem. p. 25.
Kuz'michev, M. - Wide-spread public participation in our work. p. 30.
Zolotushkin, A. - Hikmet's heart; from a writer's notebook. p. 34.
Galanin, K., Volostnykh, IU. - Let us modernize the production of wall stone. p. 40.
Orlov, S. - Let us improve our intrafactory planning. p. 45.
Shchelkunov, S. - V.I. Lenin's struggle for the preservation and consolidation of the party; his organizational work in the reactionary period. p. 48.
Grishanov, L. - Ethical precepts of human relations. p. 57.
Shilintsev, N. - Present-day religions, their class nature and social role. p. 62.
Rybalko, P., Byrka, G. - A booklet on the printing shops of "Iskra" in Russia. p. 73.
Kovchegov, P. - Useful book. p. 74.
Index of articles and materials published in 1963 in the periodical "Kommunist Moldavii." p. 76.

Vol. 9, no. 3, Mar. 1964.

Table of contents translated:
Bodiul, I. - Agriculture should be guided concretely and with a knowledge of the matter. p. 3.
Let us celebrate the national holiday of the Moldavian workers suitably. p. 13.
Konstantinov, A. - Walking into the future. p. 18.
Zakushniak, A. - Accelerate the introduction of the achievements of science to production. p. 24.
Kichigin, V., Polikarpov, V. - Subsoil irrigation should be used in intensive agriculture. p. 27.
Zakharov, V. - Deficiencies should not only be discovered and abolished but also prevented. p. 32.
Guseva, D. - A powerful means for education of young workers. p. 37.
Lyshko, G. - Improve the proficiency of the handling of agricultural machines. p. 42.
Guzinskii, D., Piskunenko, I. - Experiences with piecework and bonus systems on collective farms. p. 48.

Bortnikov, V., Karavaev, V. - Let use utilize the local building materials rationally. p. 52.
Makeenko, M., Radul, M., Ton, D. - Basic problems of the industrial development of Moldavia under the forthcoming five-year plan. p. 56.
The magazine "Kommunist" will be forty years old. p. 61.
Russev, E. - The great exploit of Ivan Fedorov, the first printer. p. 62.
Sushkova, A. - Moral qualities of a personality. p. 66.
Tabakaru, D. - Religion and the church in the U. S. S. R. p. 72.
Bryslakin, S., Lisetskii, A., Sytnik, M. - The first book on the revolutionary committees in Moldavia. p. 78.

Vol. 9, no. 4, Apr. 1964.

Table of contents translated:
Congratulations to comrade Nikita Sergeevich Khrushchev. p. 3.
Decree of the Presidium of the Supreme Council of the U.S.S.R. awarding the title of "Hero of the Soviet Union" to comrade Nikita Sergeevich Khrushchev. p. 5.
Editorial: Following the Lenin way. p. 6.
Together with the whole party and nation. p. 12.
Zhmerenetskaia, E. - A militant tribune of millions of workers. p. 18.
Shchelokov, N. - Industrial development in Moldavia. p. 24.
Il'chenko, G. - Creative years. p. 31.
Ivanov, IU., Sabadyrev, I. - Against czarism and capitalism. p. 36.
Esaulenko, A., Itkis, M. - For the Soviet rule. p. 41.
Maltabar, L., Kornienko, S. - Qualified workers should be assigned to agricultural production. p. 49.
Kolin, N. - The control power and its efficiency. p. 56.
The procedure of admittance to the party and the preparing of documents for the admittance to the party; consultation. p. 59.
Motailenko, N. - Introduce a defectless method of manufacture; consultation. p. 61.
Transformation of the moral code principles into deep personal convictions. p. 66.
Gazhos, V., Ermuratskii, V. - Against religion, for man. p. 71.
Mustiatsa, N. - Scientific atheistic propaganda as an integral part of communist education. p. 74.
Zemba, L., Mikhailov, D. - "Questions and answers on atheism." p. 79.
New books on V. I. Lenin. p. 3 of cover.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no. 6, June 1964.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 36, no. 3, Mar. 1964.

Table of contents translated:
Editorial: The organizational work decides success. p. 3.
Rakhimov, B. - The communists of Khorezm in the struggle for a high cotton yield. p. 10.
Sokolov, P. - On the road to all-round mechanization. p. 20.
Lapkin, K. - Prospects for the development and specialization of agriculture in the republics of Central Asia. p. 27.
Arnautov, I. - Organizers of the mass people's control. p. 30.
Davydov, G. - Increase the production of high-quality mineral fertilizers. p. 45.
IAkimov, G. - A soil fertility plant in Fergana Valley. p. 53.
Krasnikov, B. - The young people of Uzbekistan on the construction sites of large-scale chemistry. p. 58.
Atheistic education as a militant section of ideological work. p. 63.
Rakhimov, I. - Conducting individual work with believers. p. 66.
Saidakhmedov, A. - School and the formation of an atheistic world outlook. p. 68.
Nazhmitdinov, M. - By the force of the printed word. p. 71.
Zakhidov, V. - A great revolutionary poet. p. 75.
Kaiumov, L. - A poet of the October Revolution. p. 83.
Tursunov, Kh. - An act of great historical importance. p. 90.
New books and pamphlets. p. 96.

Vol. 36, no. 4, Apr. 1964.

Table of contents tranlated:
The struggle of the CPSU for the unity of the international communist movement; resolution of the Plenum of the Central Committee of the Soviet Union, approved on February 15, 1964. p. 2.
Fidelity to the principles of Marxism-Leninism. p. 3.
Editorial: Along the glorious Leninist road. p. 7.
Shchegolev, A. - Some features of the Leninist style of work. p. 16.
Nishanov, R. - Consolidate the atheistic education of workers. p. 25.
Live for the interests and affairs of production. p. 36.
Liubimov, G. - Increase the effectiveness of party propaganda. p. 44.
On the occasion of the 100th anniversary of the First International aid for propagandists and agitators. p. 49.
Kaliakin, P. - A powerful instrument of technological progress. p. 52.
Alekseeva, N. - What will chemistry contribute to stockbreeding. p. 59.
Development of the lagging farms is a national concern. p. 66.
Glinianyi, V. - Improved utilization of the labor resources on collective and state farms. p. 68.
Isamiddinov, N. - Help them to change from lagging into advance. p. 72.
Hidden possibilites of the state farms in Fergana. p. 76.
Abutalinov, Ch. - Uzbekistan's participation in the foreign economic relations of the U.S.S.R. p. 80.
Alimtaev, Kh. - Some problems concerning the publishing and circulation of scientific literature. p. 88.
Skoptsov, G. - The role of ammelioration in the intensification of irrigation farming. p. 90.
New books and pamphlets. p. 94.

Vol. 36, no. 5, May 1964.

Table of contents translated:
Apply all forces to the fulfillment of commitments pledged in honor of the 40th anniversary of the Uzbek S.S.R. and the Communist Party of Uzbekistan. p. 3.
Editorial: A mighty movement of the present times. p. 11.
From the workers' party to a party of all Soviet people. p. 20.
Iseev, G. - The animating force of the idea of proletarian internationalism. p. 34.
Khaidarov, A. - Toward new boundaries. p. 42.
Platonov, V. - The mechanized harvesting of crops as the basic element in the over-all mechanization of cotton growing. p. 48.
Ibragimov, U. - A powerful means in the ideological and political education of the masses. p. 58.
Drobyshev, V. - An effective form of aid to propagandists. p. 64.
Dzhuraev, T. - The Communist Party of Uzbekistan during the period of the Great Patriotic War. p. 69.
Blok, Evg. - The leader and organizer of Bulgarian people. p. 76.
Pikulin, M. - A striking example of peaceful coexistence and efficient cooperation. p. 80.
Ortiianchik, M., Nogin, N. - Some problems regarding the building of new state farms. p. 84.
Zakharov, V. - A progressive wage system in the construction industry. p. 87.
Zevelev, A. - Documents on the history of Soviet Uzbekistan. p. 89.
Abdurazakov, B. - Neocolonialism of the United States and the underdeveloped countries of Asia. p. 92.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 29, no. 5, May 1964. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 5, May 1964. [In Ukrainian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 43, nos. 4-5, Apr.-May 1964. [In Armenian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIF Published by Vsesoiuznoe obshchestvo po rasprostr nenilu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scient Knowledge]. Moscow, vol. 11, no. 5, May 1964.

Table of contents translated:
Congratulations to comrade Nikita Sergeevich Khrushchev. p. 3.
Struggle of the CPSU for unity of the world communist movement; resolution of the Plenum of the Central Committee of the CPSU adopted on February 15, 1964. p. 6.
Ivanov, K. - National liberation and territorial co flicts. p. 8.
Gorokhov, A. - Growing contradications in the West. p. 18.
Kriuchkov, N., Titov, N. - Main drive on the large-scale chemistry. p. 29.
Artem'ev, V., Liakhov, O. - New trends in the life of an ancient country. p. 39.
Samartsev, A. - Atom free zones are a vital objective. p. 47.
tive. p. 47.
Frumkin, A. - At the bedside of the ailing dollar. p. 54.
Mikoian, S. - The economic forum in Geneva. p. 6[illegible]
Shvedkov, IU. - The role of military bases in the Pentagon's strategy. p. 68.
Biriukov, N. - Ideological battle on the radio and television. p. 76.
Mader, IU. - The West German intelligence service. p. 91.
Gvozdev, IU. - In a "70-per cent" country. p. 96.
Listov, V. - Anglo-American struggle in British Honduras. p. 98.
Pavlov, A. - The "philosphy" of Bonn's foreign policy and reality. p. 102.
Gerasimov, G. - Motionless stones. p. 108.
Agarkov, V. - In the name of peace and socialism. p. 112.
Afanas'eva, O. - Washington's anxieties. p. 113.
Pakin, S. - Economic stagnation and political crisis. p. 114.
Petrov, Vl. - Siamese twins and diplomacy. p. 115.
Sergin, V. - New imperialist pressure. p. 116.
Pavlenko, A. - The popular front moves ahead. p. 117.
Plesov, A. - Growing appetite. p. 118.
Zakharov, F. G. - Humanitarian aid to patriots. p. 119.
Aleksandrov, A. - Concerning West Germany's illegitimate claims. p. 121.
Murphy, R. - From the memoirs of an American diplomat. p. 123.
Alekseev, B. - White Russia in the struggle for world peace. p. 135.
Pribytkovskii, L., Fridman, L. - The future of the African continent. p. 136.
Piradov, A. - Military bases and international law. p. 140.
Beneslavskii, D. - Two ways for one nation. p. 143.
Saifulina, L. - Cuba and the member countries of the Mutual Economic Assistance Council. p. 145.
Markov, A. - The "Bundeswehr" today. p. 146.
Evgen'ev, G. - The missile business of the U.S. monopolies. p. 148.
Rodionov, V. - British capital on the European continent. p. 150.
Baryshnikov, V. - Under the heel of the Republic of South Africa. p. 152.
Consultations. p. 154.
Our altas. p. 156.
Propagandist's dictionary. p. 158.
Statistical corner. p. 158.
Grigor'iants, R. R. - Seminars in international relations; a discussion. p. 159.
Baev, F. G. - Follow-up of our articles. p. 160.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. Uchenye zapiski [INSTITUTE OF INTERNATIONAL RELATIONS. Studies]. No. 14, 1963. Seriia iuridicheskaia [Juridical Series].

Table of contents translated:
Sergeev, L. S. - The Fatherland People's Front in the Hungarian People's Republic. p. 3.
Spasov, B. - The outlook for the development of a socialist governmental system in the People's Republic of Bulgaria. p. 23.
Tatishcheva, N. I. - The time of transfer of the property right and risk due to accidental loss of goods in a sales contract used in Soviet foreign trade. p. 46.
Verin, V. P. - Colonialism behind the mask of 'treaty relations." p. 67.
Krasavin, E. K. - Certain problems in the federal structure of the Cameroons. p. 83.
Matveev, R. F. - The theory of legitimacy used to ideologically justify the political arbitrariness of the financial oligarchy in contemporary France. p. 97.

Marinin, S. B. - Characteristics of the Cabinet of the United States. p. 128.
Karpikova, I. S. - Standing committees of the contemporary Italian Parliament. p. 146.
Maslakov, A. D. - Antidemocratic tendencies in the legislative developments of the German Federal Republic. p. 167.
Liubimova, V. N. - Basic trends in the contemporary French civil and commercial law of the Fifth Republic. p. 186.
Fedorov, V. N. - Legal status of the United Nations Security Council. p. 205.
Solov, 'ev, S. N. - Legal regulation of building in the United States. p. 243.

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]. Nos. 6(540), 8(542)-9(543), Apr.-May 1964.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 21, no. 19(989), May 1964.
Table of contents translated:
Victory Day. p. 1.
Editorial comment. p. 3.
Lenin Peace Prize awards. p. 5.
Fedorenko, N. - The Soviet Union and Africa. p. 6.
People in the news:
Hassan Ali Mansour. p. 7.
Soviet economic cooperation with the United Arab Republic; an interview with V. A. Sergeev. p. 8.
Bartosek, Karel. - Prague, 1945. p. 10.
Saleh Ali el-Ashwal. p. 10.
Galkin, A. - The crisis continues. p. 12.
Bochkarev, IU. - Cairo prepares to welcome Khrushchev. p. 15.
The prince and the barber; manners of the "free world." p. 16.
Usvatov, A. - The situation in Laos. p. 17.
Shevchenko, IU. - Labor's spring offensive; Paris letter. p. 19.
International notes. p. 20.
Orlova, R., Kopelev, L. - Six destinies. p. 23.
Baltin, A. - The experience of Sweden; book review. p. 27.
Laptev, V. - Blue helmets in the Congo. p. 29.
World events. p. 30.
Supplement:
For unity in the struggle for peace, freedom and national independence; statement by the Soviet Government. p. 31.

Vol. 21, no. 20(990), May 1964.
Table of contents translated:
The Soviet Union and the Arab world. p. 1.
Editorial comment. p. 3.
Bochkarev, IU. - Unforgettable days in Cairo. p. 4.
Sedin, L. - Nations "rich" and "poor." p. 6.
Mesterhazi, L. - Thoughts about Hungary. p. 9.
Krasnopol'skii, V. - British farm display. p. 11.
Maslov, K. - Colonialist aggression in South Arabia p. 12.
Golant, V. - Unpublished article by George Madman; a feuilleton. p. 14.
People in the news:
Anton Roy Ganz. - Hamoud al-Jaifi. p. 15
International notes. p. 16.
Bezymenskii, Journey beyond the Elbe (to be continued.). p. 19.
Pavlenko, A. - The prisoner of Lecumberri. p. 22.
Wrong choice; the "free world." p. 25.
Ushakov, G. - Dulles' "Aswan gambit." p. 26.
Nilov, V. - The United Republic of Tanganyika and Zanzibar. p. 30.
World events. p. 32.

Vol. 21, no. 21(991), May 1964.
Table of contents translated:
Editorial comment. p. 1.
Otto Kuusinen; an obituary. p. 3
Bochkarev, IU. - The harnessing of the Nile. p. 4.
Viktorov, IA. - Behind closed doors. p. 8.
People in the news:
Manlio Brosio. p. 9.
Vol'skii, D. - The Malaysian knot. p. 10.
Il'in, B. - Italy: Postmiracle survey. p. 12.
Vladimirov, S. - Bases sprawling the world. p. 16.
Dyzma Galaj - Polish sociological studies. p. 18.
International notes. p. 20.
Bezymenskii, L. - Journey beyond the Elbe (to be continued). p. 22.
Maiskii, I. M. - Reply to British critics. p. 25.
Sutulin, A. - The Kennedy round. p. 29.
Thaddée Siryuyumunsi. p. 31
World events. p. 32.

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no. 5, May 1964. [In Latvian]

PARTIIA TURMUSHI [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 4, Apr. 1964. [In Uzbek]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 5, no. 8, Aug. 1962.
Table of contents translated:
Let us achieve large crop yields and be fully prepared for the harvesting of cotton. p. 3.
Kadyrov, A. - Toward new achievements. p. 8.
Orlov, G. - Party organizations of field crews. p. 14.
Zhdanov, G., Nazemnov, V. - Let us intensify the work of the local organizations of the Communist Party. p. 20.
Prives, G. - School and life. p. 24.
Turekhanov, K. - If we have fodder we shall have meat and milk. p. 29.
Musaev, S. - All collective and state farms should learn from the experience of the innovators. p. 34.
Strel'tsov, N., Abdullaev, A. - Prompted by life. p. 38.
Khamidov, S., Babamuradov, N. - We are trying to overcome the obstacles. p. 41.
Shirinbaev, Sh. - Corn growing will lead us toward an abundance of farm products. p. 44.
Uvarov, N. - New methods in the work of the Soviet press. p. 46.
Ibragimov, R. - We call them "enthusiasts." p. 50.
Angren, the city of efficiency promoters. p. 54.
Ten, V. - We struggle for technological progress. p. 59.
Ruzibaev, T. - A propagandist has come to a residential block. p. 62.
Plungian, R. - Experts in collective farm arithmetic. p. 65.
Fedorov, K. - "Commander" of textile workers. p. 68.
Nazirov, Kh., Krutov, P. - Two faces of Vasilii Andreevich. p. 70.
Saradzheva, N. - Land and its people. p. 73.
Ulugdzhanov, N. - Friend of collective farm fields. p. 78.
Ivanov, A. - Devotion to the cause of communism. p. 82.
The rules for reckoning, receiving and keeping the records of party dues. p. 88.
Mikhailov, IU. - "Talks on the statutes of the CPSU" by E. I. Bugaev, B. M. Leibzon. p. 93.
Party news. p. 95.

Vol. 6, no. 12, Dec. 1963.
Table of contents translated:
Plenum of the Central Committee of the Communist Party of the Soviet Union. p. 1.
To the reader of "Partiinaia zhizn'." p. 2.
Editorial: Great success, new frontiers. p. 3
Gavrilov, A. - Raise the militancy of primary party organizations. p. 9.
Khusnutdinov, I. - All hidden potentialities must be brought into operation! p. 15.
Pulatov, S. - Kokand chemists keep watch over labor. p. 18.
Ladushkin, I. - University of agricultural education. p. 21.
Nearer to production and life. p. 24.
Party conference. p. 29.
IUldashev, I. - The first frontier has been attained. p. 30.
Salikhodzhaev, F. - An example of service to the people. p. 35.
Ibragimov, R. - In the forefront. p. 36.
Khairutdinov, N. - Champions of the new and progressive. p. 37.
Islamov, Kh. - When the fires meet.... p. 39.
Chernyi, V. - This worries us; some problems concerning the work in the evening universities of Marxism-Leninism. p. 40.
Iskakov, K. - Carrying out the resolutions of the June Plenum. p. 43.
Savel'ev, M. - Live party work. p. 44.
Korsunskii, L. - Do not weaken the attack, atheists! p. 48.
Salimzianova, M. - The guard of builders of communism. p. 52.
Khudaiarov, N. - For economy and thrift. p. 55.
Babadzhanov, A. - Skilled organizer. p. 57.
Rudenko, I. - The new mode of life in the collective farm village. p. 59.
Kudriavtsev, V. - Why the construction of a cold storage warehouse lags. p. 60.
Leont'ev, P. - A meeting of the bureau of the Communist Party province committee on a construction site. p. 62.
Zabrovskii, A. - Work days on the great route. p. 64.
Chaevskii, IU. - Hard alloy. p. 69.
Ivatullin, P. - How the communist act. p. 75.
Calculation of party membership dues. p. 78.
Berger, S. - The glorious road of struggles and victories. p. 80.
Newspapers and the life of rural party organizations. p. 85.
New books. p. 87.
Index to articles and materials which appeared in the periodical "Partiinaia zhizn'" in 1963. p. 88.

Vol. 7, no. 1, Jan. 1964.
Table of contents translated:
Editorial: The supreme law governing the activities of the Communist Party. p. 3.
Aliev, IA. - Chemistry and the development of agriculture. p. 8.
Platonov, N. - Chemical industries should receive perfect equipment. p. 13.
IUdin, A. - Powerful allies of high yields. p. 16.
Kudriavtsev, V. - A factory of magic fertilizers. p. 20.
Ulugdzhanov, N. - A friendly shift. p. 24.
Khodzhaev, A. - A year of the new method of work. p. 26.
Shabshai, L. - Attention and care should be given to the organizations of the Communist Youth League. p. 32.
Vakhabov, M., Sharipov, F. - The first social-democratic organizations in Turkestan. p. 38.
Volodin, I. - The duty of every leader. p. 43.
Khudkovskii, B. - Promoting the efficiency of economic studies. p. 47.
Bekmuradov, I. - Methodological help to propagandists. p. 52.
Karimov, N. - New life of an old mosque. p. 55.
Nigmatullaev, I. - Militant helpers of the party organization. p. 59.
Ziliaev, S., Tagaev, N. - The signal is always followed by concrete measures. p. 61.
Leont'ev, P. - The problem was discussed at the plenum of the city committee. p. 62.
Usmanov, S., Eshkulov, K. - Toward new frontiers. p. 63.
Alibaev, M. - The most powerful in Central Asia.... p. 64.
Khamraev, N. - Irrigators are leading the attack. p. 67.
Safarov, R. - Salilakhon Abdullaeva, inspector and party organizer. p. 71.
Rudenko, I. - The strength of an example. p. 74.
Kadyrov, S. - The people of Golodnaya Steppe. p. 77.
Chubov, P. - The Kuva sea overflowed.... p. 81.
Blok, Evg. - West German imperialism as a threat to peace. p. 84.
Uvarov, N. - Our friendship will shine forever! p. 90.
Bakhadyrov, IU. - A tribune of advance practice. p. 93.
Mikhailov, IU. - News in party life. p. 95.

Vol. 7, no. 4, Apr. 1964.
Table of contents translated:
Struggle of the CPSU for the unification of the international communist movement; resolution of the Plenum of the Central Committee of the CPSU, adopted on February 15, 1964. p. 3.
Fidelity to the principles of Marxism-Leninism. p. 5.
Guidance extended by the party committee of the Markhamatskiy District Production Administration to the primary party organizations on collective farms. p. 8.
Nishanov, E. - The main direction is intensification. p. 15.
Sigov, S. - For the needs of large-scale chemistry. p. 20.
Green light for hydroponics! p. 24.
Ismailov, A. - Right flank fighters. p. 28.
Savel'ev, M. - Bearing the name of Lenin. p. 32.
Adylov, A. - Following the leader's advice. p. 36.
Khon, A. - The Party Organization of Turkestan in the struggle for the restoration of the national economy. p. 39.
Khodzhaev, D. - Develop a keen attitude to the fate of communism. p. 44.
Ainabekov, A. - Beacons are shining for all. p. 51.
Zainiddinov, K. - The party committee is working in the old way. p. 54.
Pulatov, Kh. - Promoting effective propaganda in the countryside. p. 57.
Berliand, A. - Important party work. p. 61.
Vasiev, O. - People's universities. p. 66.
Khamdanov, M. - On a broad front. p. 70.
Aripov, F. - They wil operate the "blue ships." p. 73.
Plungian, R. - Even in Shakhrisyabz there will be many Kuchievs. p. 75.
Pulatov, A. - The soul of a collective. p. 76.
Isakova, N. - The Hammer and Sickle Holiday. p. 79.
Kurbanov, F. - The bold subdue the virgin land. p. 80.
Zhilkin, P. - They are interested in everything. p. 82.

IUdanov, A. - A generous heart. p. 85.
Thus the communists act. p. 89.
Problems of Soviet administration in the newspaper "Andizhanskaia pravda." p. 92.
Muminov, S. - The moral code of a builder of communism. p. 95.
Kamilov, G. - "From heart to heart." p. 96.

PARTIINAIA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 30, no. 11, Nov. 1960.

Table of contents translated:
Reports and elections of leading party organs. p. 3.
Egorov, P. - A province party committee and a regional economic council. p. 9.
Kazachenko, V. - By means of technical progress. p. 16.
Katkov, L. - Under conditions of high requirements. p. 20.
Skachkov, A. - Let's strengthen the role of trade unions. p. 24.
Pogoretov, A. - The experience of outstanding workers is a powerful force. p. 29.
Khudiakova, A. - What's disturbing brigade-leader Shtol'. p. 34.
Volina, E. - And the fodder is still on the field. p. 37.
Baigabaev, Zh. - Problems of a stockbreeding region. p. 39.
Ershov, A. - It is quiet on the construction project. p. 43.
Fediukin, S. - Colonialism in agony. p. 46.
Isachenko, G. - Advancement. p. 53.
Kononov, S. - With the tacit consent of the district committee. p. 56.
Shaliugin, S. - Administrators of the propaganda section. p. 58.
Dadabaev, N. - Loafers. p. 61.
Romanov, D. - An outstanding enterprise and its newspaper. p. 65.
Kireeva, I. - Activities of control commissions. p. 68.
Kuleshov, I. - "Communist Party of Kazakhstan in documents and figures." p. 72.
Fazylov, M., Shmanov, A. - Don Basilio from the State Department of the U.S.A. p. 76.
Party chronicle. p. 78.

Vol. 31, no. 3, Mar. 1961.
Table of contents translated:
Editorial: The most important tasks in the development of agriculture. p. 3.
Barulin, A., Gulit, N. - Economic education of party workers. p. 9.
Sambukov, G. - Efficient management of the virgin lands economy. p. 14.
Abdrakhmanov, S. - Here is a pasture for millions of sheep. p. 18.
Tolkachev, O. - It's the fault of the council of the national economy. p. 21.
Mikhailov, D. - Crops should grow and herds should fatten. p. 22.
Gostishchev, V. - Farmers on virgin lands are having a house warming. p. 26.
Aitzhanov, Zh. - Monetary wages on collective farms. p. 27.
They are building badly in Alma-Ata. p. 31.
Sumochkin, V. - Educate party leaders with great care. p. 34.
Malysheva, V. - Women's councils in enterprises. p. 39.
Velizhanskii, IA. - Think, search, find. p. 44.
Razumovskii, L. - Reading materials before the microphone. p. 50.
Kairbekov, N. - Zina Korokh enters the party. p. 55.
Dadabaev, N. - The old house on a new street. p. 57.
The Kazakhstan Party Organization in the struggle for the reconstruction of the national economy, 1921-1925. p. 61.
Bryzhin, A., Korsunov, N. - A legend of our times. p. 101.
Sil'chenko, M. - A living source. p. 106.

Vol. 31 [i.e. 32], no. 8 Aug. 1962.
Table of contents translated:
Grain of our virgin lands. p. 3.
IUsupov, I. - Today and tomorrow of southern Kazakhstan. p. 9.
Dykhnov, N. - Movement for communist labor. p. 16.
Aleshkov, M. - Let us observe and develop the rules and principles of collective farm democracy. p. 23.
Abramovskii, A. - Temporary commission of a city party committee. p. 29.
IUmashev, A. - Party assignments. p. 33.
IAkov, M. - Prompted by life. p. 37.
Iseev, A., Lysenko, P. - Why the yields of sugar beets have become lower? p. 41.
Nikolaev, A. - It takes 12 days to build a house. p. 44.
Sekira, A. - "Tractor plus tractor." p. 46.
Kulitov, D. - How we help our propagandists. p. 49.
Nauryzbaev, B., Kabulov, Sh. - Party organization of a research institution. p. 51.
Lugovoi, G. - Leisure time in the city of Abay. p. 54.
Rudiakov, V. - Fellow farmers' court on a collective farm. no. 57.
Romashko, A., Gorshkov, M. - An effective means of education. p. 59.
Zaikin, A. - The forces of peace will triumph. p. 62.
Appointing to their former positions the secretaries of party organizations who weren't elected for another term. p. 66
Adibaev, Khasen - Bard of the Soviet epoch. p. 67.
Mart'ianov, S. - From simple description to literary generalizations. p. 71.
Portnoi, I., Omarov, O. - Serious shortcomings. p. 77.
Party news. p. 79.
Follow-up of articles published in our periodical. p. 80.

Vol. 33, no. 9, Sep. 1963.
Table of contents translated:
Editorial: Great change. p. 3.
Baraev, A. - Problems of the virgin lands. p. 9.
Mikhailov, F. - A source of political maturity. p. 15.
Burkutbaev, B., Novak, L. - To guide means to educate. p. 21.
Shishkin, V. - Methods for guiding collective groups. p. 26.
Syzdykov, K. - How "Kuyuk" sheep growers advanced to the best. p. 30.
Shalov, A. - Watchful eye. p. 35.
Karabalin, Zh. - Implacable. p. 39.
Beliavskii, A. - Leaders of rural communists. p. 41.
Berezin, I. - Value the good name of communism. p. 45.
Mukhin, O. - Key to the heart. p. 49.
Ivantsov, A. - Social sciences as the leading subject in schools. p. 56.
Userbaev, B. - Ideological hardening of students. p. 59.
Portnoi, I., Shaul'skii, A. - Idlers in the virgin lands. p. 62.
Kuzovkov, F. - Not counting on remuneration. p. 65.
Golubev, A. - Voluntary participation in party work and it activities. p. 67.
Krasulin, I. - Such a nation can't be fooled! p. 71.
Shafiro, Sh. - It happened in Semipalatinsk... p. 74.
Dubovitskii, A. - A delegate to Lenin. p. 77.
New scholarly works. p. 80.

Vol. 34, no. 1, Jan. 1964.
Table of contents translated:
Editorial: Perfecting the working methods of rural party committees. p. 3.
The cattle wintering season is proceeding. p. 8.
Syzdykov, Zh. - Inspiring prospects. p. 10.
Nakhmanovich, A., Sidorov, K. - A center of mineral fertilizers. p. 15.
Shishov, I. - A door leading to prosperity. p. 18.
Rudenko, G. - There will be no lagging farms. p. 22.
Koblanov, A. - Economics should be in the foreground. p. 26.
Sorokin, P. - The party organization and technological intelligentsia. p. 30.
Kuz'min, P. - Aggressive, militant, implacable atheism. p. 36.
Belousov, IA. - Time, customs, traditions.... p. 41.
Andreeva, L. - Trade unions and the education of the new man. p. 46.
Zholdasbekov, M., Ismailov, E. - The working man as a hero of our literature. p. 51.
Barsukov, I. - Communists in border patrols. p. 56.
Kriukov, A., Karlik, E. - How a party organizer spends his time. p. 60.
Bel'son, IA. - Anticommunism as an ideological weapon of imperialism. p. 62.
Fedorov, B., Mukhin, O. - To live, just to live! p. 67.
Cherniak, V. - Solid literature for propagandists of atheism. p. 73.
Darishev, M. - Figures of a great development. p. 77.

Vol. 34, no. 2, Feb. 1964.
Table of contents translated:
V.I. Lenin on Kazakhstan. p. 3.
Glebov, S. - Historical victories of the collective and state farm system. p. 5.
Zhumabekov, K., Sokolov, N. - Future of sheep breeding. p. 11.
Kozlovskii, M. - The large-scale chemistry of Kazakhstan and its resources. p. 17.
Shaukhbaev, N. - Dreaming of the future. p. 22.
Kazhesov, P. - Karatau stretches its shoulders. p. 25.
Lugovoi, G. - In a torrent of paper. p. 28.
Iushin, A. - Time and people. p. 33.
Samborskaia, L. - Atheists are taking the offensive. p. 43.
Blekenov, K. - Perfecting the skill of propagandists. p. 46.
Koval'skii, S. - A great deed lives for ages! p. 48.
Ilov, V. - What chemistry gives to man. p. 51.
Butsula, P. - Penetrating into all details. p. 5[illegible]
Naumenko, V. - Controllers are inspecting [illegible] p. 59.
Gert, IU. - The city on the black slopes. p. 62.
Lastovskii, E., Kim, V. - New scientific works. p. 66.
Life and the newspaper of a rural party committee. p. 67.
Kozybaev, M. - Pages of soldiers' glory. p. 71.
Isachenko, G. - Broad, on a large scale, and in a statesmanlike way. p. 73.
Kuzhamiarov, K. - The objective and results of musical education. p. 76.
Party news. p. 80.

Vol. 34, no. 3, Mar. 1964.
Table of contents translated:
The reclamation of virgin lands is a glorious page in our country's history. p. 3.
Organizational party work should be practical and businesslike. p. 6.
Solomentsev, M. - Chemistry is the key to progress [illegible] p. 11.
Kopanov, Sh. - The main trend is intensification. p. 17.
IUshin, A. - Nearer to production! p. 21.
Gavriliuk, G. - Specialists are pioneers [illegible] p. 23.
Petukhov, I. - They prevent us from working. p. 26
Alekhin, A. - We need more practical help. p. 2[illegible]
Samsonov, B., Maltar, I. - In the struggle for [illegible] p. 28.
Ilov, V. - The end of the race apostles. p. 31
Asanova, S. - Library as a friend of the [illegible] p. 35.
Mukhin, O. - On the Semipalatinsk wave. p. 37
Zherekhin, M., Zhangutin, O. - The voluntary party commission in operation. p. 40.
Answering readers' questions. p. 43.
Shmanov, A. - Great mission of the art of socialist realism. p. 46.
Merkulova, K. - Propagandists in a [illegible] [illegible] the work method. p. 51.
Afanas'ev, I. - Activists are exchanging experience. p. 52.
Kornyukov, V. - Learning how to economize. p. [illegible]
Tumanov, N. - Public duty. p. 5[illegible]
Akhmetov, Z. - A great poet and revolutionary democrat. p. 59.
Sotushko, I. - Joys and grief of the secretary of a party organization. p. 65
Ermakov, M. - Leader, teacher and friend. p. 6[illegible]
Kul'baev, Zh. - Tireless. p. 68.
Pakhomenko, P., Mitropol'skaia, N. - A [illegible] fearless fighter. p. 70.
Kolosov, G. - Journalistic style must be [illegible] p. [illegible]
Paris, V. - Instant newspaper. p. 78
Party news. p. 79.
New books. p. 80.

Vol. 34, no. 4, Apr. 1964.
Table of contents translated:
To comrade Nikita Sergeevich Khrushchev. p. 3.
Triumph of the immortal Leninist ideas. p. 5.
Virgin Territory on the eve of sowing. p. 8.
Shapovalov, F. - With Lenin in our hearts. p. 11.
Georgiev, A. - Spring in the Altai Territory. p. 15.
Davidenko, V. - The high road of agriculture. p. 21.
Polimbetov, S. - The labor mandate of Soviet citizens. p. 26.
Ismailov, M. - Party confidence inspires people. p. 2[illegible]
Bolarskii, F. - Unforgettable encounters. p. 2[illegible]
Kamenev, E. - Alarming situation on a livestock farm. p. 30.
Kunkhozhaev, N. - Party committee and the new leaders. p. 42.
Lugovoi, G. - Captive of the trifles in management. p. 45.
Folitorov, N. - The international education of workers. p. 49.
Mamyrdbaev, A. - Who is lecturing in Aktyubinsk? p. 53.
Nabatov, A. - Listen keenly to the voice of the masses. p. 55.
Isachenko, G. - Use the strength of the groups of volunteers. p. 58.
The executive body of the party-state control. p. 6[illegible]
Erzhanov, A. - A great example in the solving of the nationality question. p. 65.
Kanlev, Sh. - A giant marching into the future. p. 7[illegible]
Abramichev, B. - Following the correct way. p. 7[illegible]
Forty years of the periodical "Kommunist." p. 7[illegible]
Moral and ethical topics in newspapers. p. 76.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 6, no. [illegible] June 1964.

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 8, nos. 18(292)-22(296), May-June 1964.

RUSSIA (1921-) (R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 27, nos. 24(1314), 25(1315), 26(1316), June-July 1964.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo russkikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vols. 7-9, nos. 1(61), 6(66), Jan., June 1961.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKING PEOPLE'S DEPUTIES]. Issued by the newspaper "Izvestiia," Moscow, nos. 5(41), 6(42), May-June 1964.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, vol. 31, no. 4, Apr. 1964. [In Turkmen]

VISNYK. THE HERALD. Organ of Organizatsiia oborony chotyr'okh svobid Ukrainy (Organization for Defense of the Four Freedoms for the Ukraine, Inc.). New York, vol. 18, no. 6(188), June 1964.

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 8, no. 4, Apr. 1964.

Table of contents translated:
V.I. Lenin on the historical significance of the First International. p. 3.
Obichkin, G.D., Pankratova, M.IA. - The depository of the great ideas of Leninism, V.I. Lenin's "Collected Works." p. 17.
Burnelle, Marcel. - The 22d Congress of the CPSU and the Belgian labor movement. p. 30.
An unpublished article by M.I. Kalinin. p. 33.
[illegible], P.V. - Communism and anti-communism. p. 74.
[illegible], L.I. - V.I. Lenin and the Russian [illegible] cooperation. p. 83.
The 100th anniversary of the First International; Materials of report. p. 92.
Struggling for the triumph of a creative Marxism: Reviewing the 40th anniversary of the periodical "Bol'shevik." p. 96.
[illegible], A.P. - The role of the working masses. p. 97.
[illegible], A.F. - The great life of a communist. p. 91.
[illegible], V.A. - Reminiscences on V.I. Lenin. p. 94.
[illegible], P.N. - Encounters with V.I. Lenin. p. 98.
[illegible], A.N. - Activities and people in the political section of the Ninth Army. p. 99.
[illegible], A.A. - Problems in the party guidance of the process of transition of the [illegible] peasants to [illegible] in the U.S.S.R. [illegible] agricultural cooperation. p. 99.
[illegible], V.A. - Organization of V.I. Lenin's archives, 1917-1924. p. 109.
[illegible], A.A., [illegible] - A general survey on the history of the Communist Party of Azerbaijan. p. 113.
[illegible], [illegible], [illegible], M.M. - The CPSU as organizer of the revolutionary transformation of the village on [illegible]. p. 118.
[illegible], L.P. - War records of the Communist Youth League. p. 120.
[illegible], IU.V., [illegible], E.F. - Important topic. p. 121.
[illegible], M.M. - Bibliography of documents concerning the history of The Communist Party of Kazakhstan. p. 128.
[illegible], Andras - For a complete victory of socialism. p. 129.
[illegible], A.M. - An authoritative [illegible] Explained on scientific research. p. 131.
[illegible], A.L., and others. - Annotations. p. 138.
A review of foreign historical-party journals. p. 139.
Documents and articles on the history of the CPSU and the international communist and labor movements published in February 1964 in periodicals, studies, papers and transactions. p. 142.
The 95th anniversary of N.K. Krupskaia's birth. p. 145.
A useful experiment. p. 150.
A conference on methods for teaching the history of the CPSU. p. 151.
[illegible], D. - Work of the historians engaged in writing the history of the Communist Party of Turkmenistan. p. 152.
[illegible], M.V. - In the party archives of the Northern Caucasus. p. 154.
Brief news. p. 155.
Sergei [illegible], an obituary. p. 156.

Vol. 8, no. 5, May 1964.
Table of contents translated:
The 13th Congress of the Russian Communist Party (Bolsheviks). p. 3.
[illegible], V.S. - Activity of the party organization of White Russia to introduce [illegible] advanced practice in industry, 1959-1962. p. 16.
[illegible] - The role and place of personal participation [illegible] for the victory of socialism. p. 27.
[illegible], S.M., [illegible], M.I. - From the history of V.I. Lenin's correspondence with the social democratic organizations in the Ukraine, 1901-1905. p. 33.
[illegible] - V.I. Lenin's elaboration of the plan for building [illegible] in the U.S.S.R. p. 44.
[illegible], M.I. - [illegible] by the struggle to win the masses [illegible] 1912. p. 53.
[illegible] - [illegible] p. 61.
[illegible] - [illegible] p. 65.
[illegible], D.A. - From the [illegible] of the [illegible] p. 69.
[illegible]
[illegible] p. 81.
Origin of the party. Materials on the social democratic [illegible] of Russia [illegible] p. 85.
[illegible] 1921-1925. p. 94.
[illegible] p. 103.
[illegible] p. 111.
[illegible] p. 115.
[illegible] p. 118.
[illegible] p. 122.
[illegible] p. 124.
[illegible] p. 127.
A review of foreign historical party journals. p. 130.
Documents and articles on the history of the CPSU and the international communist and labor movements published in January 1964 in periodicals, studies, papers and transactions. p. 133.
[illegible] p. 141.
[illegible] p. 144.
[illegible] p. 146.
[illegible] p. 147.
[illegible] p. 148.
[illegible] p. 151.
Brief news. p. 155.
In memory of [illegible]. p. 157.

[illegible]. Organ of [illegible] Ukrainian Independent [illegible] Thought). New York, vol. 10, nos. 102, 104, June 1964.

7. LAW

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]. Moscow, no. 7-8, 1964.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]. Moscow, no. 7, 1964.

Table of contents translated:
Wage payment conditions for workers on state farms and other state agricultural enterprises. p. 3.
Wage payment conditions for workers in river fleet restaurants. p. 25.
Adopting regulations for assigning workers of collective farm fisheries to the managerial, engineering and technical wage categories, and the regulation on bonuses for managerial, engineering and technical workers and employees of the unions of collective farm fisheries. p. 32.

Table of contents translated:
Procedure for issuing licenses to organizations engaged in stocking and adjusting scales. p. 3.
Establishing "uniform output norms for stoping operations and delivery of mine supporting materials for the Moscow Basin mines," supplemented by the Uniform Output Norms for Coal Mining. p. 4.
Establishing uniform time norms for laying pipelines. p. 4.
Additional leave and a shortened workday for the workers with harmful working conditions of therapeutic and prophylactic institutions for patients afflicted with spinal diseases. p. 5.
Supplements and amendments to the standard branch norms for issuing free work clothes, work shoes and safety devices. p. 6.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR and Verkhovnyi Sud SSSR [Office of the Public Prosecutor of the U.S.S.R. and the Supreme Court of the U.S.S.R.]. Moscow, vol. 40, no. 12, Dec. 1963.

Table of contents translated:
"Sotsialisticheskaia zakonnost'," a periodical publication of the Office of the Public Prosecutor of the U.S.S.R. and the Supreme Court of the U.S.S.R. p. 3.
[illegible], A., [illegible], L. - Let us effectively struggle against the pilfering of grain. p. 5.
[illegible], [illegible], [illegible], A. - Voluntary assistants of police investigators and their help in juvenile delinquency cases. p. 10.
[illegible], M. - Local soviets and administrative organs of [illegible] in the struggle for a strict observance of Soviet laws. p. 12.
[illegible], M. - We should strictly punish the violators of Soviet laws. p. 15.
[illegible], I. - Let us coordinate our struggle against the violation of Soviet laws. p. 16.
[illegible], A. - Let us improve the laws which protect the health of Soviet citizens. p. 18.
[illegible], V., [illegible], I. - Increasing the volume of [illegible]. p. 27.
[illegible] - Struggle against [illegible] and the [illegible] of the Soviet state. p. 30.
[illegible], S. - Protection of socialist property in a [illegible]. p. 34.
[illegible], M. - Organization of work in the rural [illegible]. p. 36.
[illegible], I. - [illegible] p. 38.
[illegible] - Proposal for the [illegible]. p. 39.
[illegible] - [illegible] p. 40.
[illegible], I. - [illegible] p. 42.
[illegible] - How public prosecutors supervise the observance of Soviet laws by administrative [illegible]. p. 45.
[illegible] - Rehabilitation of [illegible]. p. 48.
[illegible] - [illegible] of collective farm [illegible]. p. 51.
[illegible] - [illegible] p. 53.
[illegible] - [illegible] p. 55.
[illegible], M. - Studying the data on [illegible]. p. 58.
[illegible], M. - [illegible] p. 59.
[illegible], I. - [illegible] p. 62.
[illegible] - [illegible] p. 69.
In the Office of the Public Prosecutor of the U.S.S.R. p. 71.
Plenary session of the Supreme Court of the U.S.S.R. p. 72.
The [illegible] congress of the Trade Union of Government Employees. p. 74.
How public prosecutors supervise the observance of laws. p. 77.
From the practice of arbitration agencies. p. 78.
How we have carried out our readers' suggestions. p. 79.
Classified index of articles, news stories, notes, and materials published in 1963 in the periodical "Sotsialisticheskaia zakonnost'." p. 81.

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, vol. 23, no. 8, Apr. 1964.

Table of contents translated:
Editorial: [illegible]. p. 1.
First forty years of the Supreme Court of the U.S.S.R. p. 3.
Borodin, S. - Liability for murder for hooliganism motives. p. 6.
Popov, V. - More attention to furnishing security for claims. p. 8.
Vydria, M. - Provisions of criminal procedure concerning court decisions and appeals against them and the safeguards of rights of persons under prosecution. p. 10.

Morein, I. - Limits of restitution of payments rendered to satisfy judgments in labor litigation. p. 12.
Ivanov, O. - Determination of the veracity of evidence in civil matters. p. 14.
Lazarev, E. - Challenging executable instruments in claim proceedings. p. 16.
Smirnov, O. - Determination of guilt for damages to workers and employees. p. 17.
Atavekov, N. - Some inferences dawn from judicial opinions concerning the practice of defense attorneys of juveniles. p. 18.
Vladimirov, V. - Liability for extortion of government, public or private property. p. 20.
Levi, A. - Notaries have the important task of preventing the use of the forged documents in their work. p. 22.
Conference with our readers. p. 24.
Maze, B. - Instead of foreign humor. p. 25.
Balashev, A. - Daily work of an arbitration judge. p. 26.
Tkachevskii, IU. - Conditional release of a criminal prisoner in Hungary. p. 28.
Our answers. p. 29.
Notarial practice. p. 31.
Arbitration practice. p. 32.

Vol. 28, no. 9, May 1964.
Table of contents translated:
Development of friendship and cooperation between Soviet and foreign jurists. p. 1.
Kalenov, IU. - Remarks on the draft law on state notaries in the R.S.F.S.R. p. 3.
Demin, V. - Problems connected with barring a conviction due to lapse of time or annulment. p. 6.
Mukhitdinov, N. - Economic relations of interfarm organizations. p. 8.
Edict of the Presidium of the Supreme Soviet of the U.S.S.R. p. 9.
Gurevich, G. - Liability of parties to a carrier contract concerning trucking farm produce. p. 10.
Gavrilov, O. - Parties to appellate proceedings and its rules under the Criminal Procedure Code of the R.S.F.S.R. p. 12.
Krylova, Z. - Disputes arising from the terms of contracts for the delivery of goods concluded by accepting the order to perform. p. 14.
Kallaov, A. - Participation of the defense in preliminary inquiry. p. 16
Marukhin, V. - Conference of Leningrad lawyers. p. 17.
Vol'fman, G. - Distinguishing speculation from other offenses. p. 20.
From the Presidium of the Supreme Soviet of the U.S.S.R. p. 22.
Korotkov, A. - Collection practice of delinquent agricultural tax is in need of change. p. 23.
Postnikova, S. - A heart devoted to people. p. 24.
Tonkikh, V. - With a cross around his neck and a birch in his hand. p. 26.
Podchukaev, A., Noi, I. - G. A. Kriger's "Suspended sentence and the role of the community in its carrying out." p. 28.
Our answers to questions. p. 29.
Notarial practice. p. 30.
Arbitration practice. p. 31.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 12, Dec. 1963.
Table of contents translated:
Bobrov, R. L. - International law and historical progress. p. 3.
Shebanov, A. F. - How the law influences social development in the state of all people. p. 12.
Lazarev, B. M. - Some problems of governmental administration in the state of all people. p. 24.
Samoshchenko, I. S. - Free will and its role in the legal regulation of social relations. p. 34.
Makhnenko, A. Kh. - Subject-matter and concept of socialist constitutional law. p. 46.
Novikov, S. G. - Participation of Soviet scholars and scientists in the preparation of legislative enactments by the Committee for Legislative Proposals. p. 50.
Baru, M. I. - Some problems of the correlation of the various branches of law, the function of which it is to protect the rights of Soviet citizens. p. 67.
Morozov, V. I. - Multilateral agreements are an effective form of the economic cooperation of socialist countries. p. 75.
Usenko, E. T. - Legal nature of the recommendations of the Mutual Economic Assistance Council. p. 86.
Mel'nikov, A. A. - Extension of procedural guaranties for the rights of the individual in Soviet civil procedure. p. 95.
Kan, N. P. - Some ways to improve Soviet criminal procedure. p. 104.
Zaikov, V. A. - Collegiate principle in the examination of court cases. p. 108.
Shipko, A. - New developments in the work of the White Russian local soviets. p. 110.
Nemtsev, V. A. - Increased role and extended rights of the rural soviets of workers' deputies. p. 113.
Konev, A. K. - Local soviets and the communist education of Soviet citizens. p. 117.
Pakhomov, I. N. - System and content of the administrative codes of the Union Republics. p. 121.
Korenev, A. P. - Problems of administrative procedure in the work of the police. p. 128.
Liberman, F. Kh. - Practice of arbitration agencies in cases concerning the quality and amount of delivered goods. p. 132.
Puchinskii, V. K. - System of the new civil procedure code. p. 139.
Avdeev, IU. I., Kleandrova, V. M., Solov'eva, M. G. - "Congresses of the Soviets in documentary materials, 1917-1937." Vol. 4, pts. 1-2. p. 143.
Basin, IU. G., Mamutov, V. K. - "Civil law during the large-scale building of communism" by S. S. Alekseev. p. 146.
Malinin, S. A. - "Collective security is a guarantee of peaceful coexistence" by V. K. Sobakin. p. 149.
Vinberg, A. I. - "Participation of workers in the maintenance of law and order" by IU. A. Sokolov. p. 152.
Professor P. N. Galanza's 70th birthday. p. 154.
New Soviet legal studies, July-August 1963. p. 155.

Vol. 34, no. 4, Apr. 1964.
Table of contents translated:
A meeting in the Central Committee of the CPSU. p. 3.
Land law and collective farm law problems in the light of the decisions of the February, 1964 Plenum of the Central Committee of the CPSU. p. 5.
Kulikov, V. V. - First forty years of the highest organ of the Soviet judiciary. p. 16.
Tikunov, V. S. - Complete uprooting of the neglect of children and juvenile delinquency is the most important task for all organs maintaining public order. p. 27.
Khatdas, G. I. - V. I. Lenin on the fundamental postulates of socialist economic planning. p. 36.
Rabinovich, P. M. - V. I. Lenin on the effectiveness of Soviet laws. p. 47.
Bratus', S. N., Samoshchenko, I. S. - Organizational and scientific forms to perfect Soviet legislation. p. 57.
Smirnov, L. I., Novikov, S. G. - Theoretical foundations for the legislation on Soviet correctional labor. p. 66.
Safarov, R. A. - Public opinion and an all-people's law. p. 80.
Karpets, I. I. - Certain methodology problems in criminal law and criminal investigations. p. 91.
Klafkovskii, A. - Recognition procedures concerning state boundaries in the wake of the Second World War. p. 102.
Sharmazanashvili, G. V. - Agreements (pacts) of nonaggression are an important instrument of strengthening international peace and security. p. 108.
Gurevich, I. S. - Some problems connected with the legal regulation of operations of housing and construction cooperatives. p. 112.
Asinovskii, M. L. - Regulation of rights of inventors and persons with recorded efficiency suggestions. p. 118.
Gultev, V. E. - Anticommunist "critics" of the Soviet national state system. p. 124.
Tumanov, V. A. - F. M. Burlatskii's "State and communism." p. 134.
Vaksberg, M. A., Masevich, M. G., Pokrovskii, V. V. - R. O. Khalfina's "Legal regulation of delivery of goods." p. 136.
Avdeev, IU., Strunnikov, V. N., Burlakov, M. I. - Capitalist economy and imperialist state. p. 139.
Ternovaia, G. G., and others. - Constitutional law of bourgeois countries. p. 142.
Lebedev, S. N. - A course in bourgeois adjective law. p. 148.
Khalevina, L. P. - "Land law; a collection of articles." p. 151.
Komarova, L. - Jan Tomko's 'National sovereignty of states and the United Nations Organization." p. 153.
Current legal literature of the U.S.S.R., December 1963-January 1964. p. 155.

TASHKENT. UNIVERSITET. Nauchnye trudy. [UNIVERSITY. Studies]. No. 218, 1963. IUridicheskie nauki Juridical Sciences], no. 9.
Contents: Atakhodzhaev, F. M. [Origin and development of the Soviet laws on conclusion and dissolution of marriage in Uzbekistan] Vozniknovenie i razvitie sovetskogo zakonodatel'stva o zakliuchenii i rastorzhenii braka v Uzbekistane. 130 p.

8. EDUCATION

a. GENERAL

KAZAKHSTAN MEKTEBI [KAZAKHSTAN SCHOOLS]. Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol. 39, nos. 3-4, Mar.-Apr. 1964. [In Kazakh]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 25, no. 5, May 1964.

MAKTABI SOVETĪ [SOVIET SCHOOL]. Issued by Ministerstvo prosveshcheniia Tadzhikskoi SSR [Ministry of Education of the Tajik S.S.R.]. No. 4, Apr. 1964 [In Tajik]

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 32, no. 1, Jan. 1964.
Table of contents translated:
Happy New Year, dear comrades! p. 3.
Polishchuk, E. A. - Image of the leader of the revolution in art. p. 7.
Strunin, V. V. - Forty years with Lenin's name. p. 12.
Emel'ianov, B. A. - Unusual biography; on the 60th anniversary of A. P. Gaidar's birth. p. 15.
Zakharevich, L. - Gaidar on teachers and schools. p. 20.
Brusnichkina, R. D. - Ideological training begins in childhood. p. 23.
Abdullina, S. A. - Unity of education and training. p. 28.
Kozlova, A. A. - Elucidation as an effective method of reinforcing the material. p. 35.
Blokhin, I. A. - Talks by analogy with reading material in grades one and two. p. 40.
Galochkin, N. M. - Extracurricular reading of folklore. p. 47.
Orlova, Z. A. - Advice to young teachers. p. 49.
Bantova, M. A. - Assimilation of the general method of working on arithmetic problems by students. p. 50.
Sokolova, E. S., Kashina, Z. I. - Schools without repeating students. p. 55.
Nizova, A. M. - Observations as a leading method of nature study. p. 63.
Information. p. 70.
Demidova, L. S. - Gaidar as children's friend. p. 71.
Lomakina, Z. S., and others. - "Unaccented vowels" topic. p. 76.
Gugin, A. A. - Model planning of the physical education classes in grades 1-4; third quarter. p. 84.
Luzik, S. K. - Today's weather. p. 89.
Obraztsov, D. A. - Page from the great book of nature. p. 90.
Dudochkin, P. P. - Grouse alarm. p. 91.
Bookshelf. p. 92.
Noteworthy dates of 1964. p. 96.

NARODNAIA ASVETA [PUBLIC EDUCATION]. Organ of Ministerstvo asvety BSSR [Ministry of Education of the White Russian S.S.R.]. Minsk, nos. 4-5, 1964.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 4, Apr. 1964.
Table of contents translated:
Editorial: Asking Il'ich for advice.... p. 1.
Khrushchev, N. S. - Thoughts on education. pp. 7, 16.
Kondakov, M. - Progressive pedagogical practice. p. 9.
Demidov, N. - Future of small schools. pp. 14, 18.
On the occasion of the 70th birthday of N. S. Khrushchev. p. 16a.
Good initiative and useful activities. p. 18.
Simakov, P. - Successes and difficulties of experimental schools. p. 21.
Questionable and unquestionable. pp. 25, 45, 47.
Kachurin, M. - Teachers generalize their experience. p. 26.
And with you? pp. 30, 50, 58.
Teacher in my life. p. 31.
Khodaev, V. - Methods of our pedagogical "attack." p. 48.
Satisfying and tasty. p. 48a.
Petrov, S. - Practice deserving wide dissemination. p. 51.
Fedorov, G. - On whom does it depend? p. 53.
Igoshev, I. - They learned to love physics. p. 61.
Matiusha, I. - Course on the training in work maturity. p. 62.
Dulia, I. - Only through work. p. 66.
Goncharova, S. - Whose fault is it? p. 70.
Kostylev, F. - Control gives good training. p. 76.
Batyshev, S. - Let's learn in order to work better. p. 77.

Vishnevskii, V. - Evaluation of behavior. p.79.
Bodykin, I. - Control is necessary. p.80.
Groshev, V. - School, graduating students, and teachers. p.80.
Dedicated to IU. Gagarin. p.80a.

To the principal and the head of the teaching department. p.81.
Mesiatseva, G. - Shakespeare. p.83.
Kliushnikov, V. - Two mothers. p.86.
Vasil'ev, P. - From the recollections of an artist. p.89.
Karapin, N. - First experimental schools. p.93.
Protsenko, V. - Morning of the eclipse. p.98.
Savina, A. - Television in Polish schools. p.101.
Tarshis, E. - Urgent problems of British schools. p.103.
Imshenetskaia, L. - Indebted to the teachers. p.105.
Barash, B. - Reference books for the younger age group. p.108.
Shapochkina, G. - Two booklets by the same author. p.110.
Lebedeva, E. - Among the new publications of pedagogical literature. p.112.

Bookshelf. p.115.
Khakimov, Kh., Shamsutdinova, S. - Forty-fifth anniversary of a periodical. p.116.
Shepel', V. - Book on the prospects of education. p.119.
Panich, K. - Two books of the publishing house "Knowledge." p.121.
Bursa, G., Braslavskii, Z., Smirnov, G. - Book on education. p.122.
Read it in the periodicals. p.123.
In the Ministry of Education of the R.S.F.S.R. p.124.
Nesterov, A. - Local lore is life lore. p.125.
Noteworthy dates. p.127.
Let's experiment! supplement.

No.5, May 1964.

Table of contents translated:

Loyalty to the principles of Marxism-Leninism. p.1.
Editorial: Let children have summer. p.3.
Maksimenko, F. - Let's improve the qualifications of teachers. p.7.
Good initiative and useful activities. pp.9, 16.
Marachev, N. - Pedagogical practice of correspondence students. p.13.
Borodulina, A., Gatkevich, D., Korman, T. - Students should know psychology. p.15.
School of life. p.16a.
Kashin, M. - Local lore study as an important means of education and training. p.18.

Bondarevskii, V. - Don't be afraid to argue. p.25.
Korotiaev, B. - Psychology enters the classroom. p.28.

Questionable and unquestionable. pp.31, 33.
Eniseev, M. - It is within our possibilities not to have repeating students. p.32.
Ol'khovskii, V. - Students begin to like social sciences. p.34.
Mukhamedov, M. - They patronize a school lot and a collective farm. p.35.
Aladkin, S. - Wide horizons and clear goals. p.37.
Varlamov, T. - When we work, let's think about results. p.41.
Novikov, P. - Our practice. p.44.
Ibragimov, I. - From summer observations. p.45.
Leukhin, B. - Creative initiative and social activities. p.48.
Voskoboinikova, N. - We learn to understand beauty. p.52.
Kargin, N. - Books teach us to think and feel. p.59.
Gubanova, M. - Let's teach them to use libraries. p.63.
Vorob'eva, V. - Pride of the school. p.65.
Solov'eva, E. - Boarding school in Sormov. p.67.
Strunin, V. - Summer of the Pioneers. p.69.
Kutsenko, V. - Adolescents in a camp. p.75.
Chernyshenko, I. - House where children live. p.79.
Rozenberg, A. - Pioneers are enthusiastic people. p.82.

Mel'nichaiko, V. - How to grade behavior. p.85.
Fursov, V. - Let's renew the school physics course. p.86.
Novikov, A. - Continuity in school supervision. p.88.
Podorol'skii, N. - Fate of the writer, fate of the book. p.89.
Sukhoverkhov, V. - Production training in the schools for rural youth. p.91.
Sokol'skii, V. - Unforgettable friend and teacher. p.95.
Rymakov, A. - Eminent educator. p.97.
Savin, N. - Teacher training in the German Democratic Republic. p.100.
Borisoglebskii, L. - New "trends" in American schools. p.102.

Brief news. p.103.
Aleksandrov, A. - Chronicle of the younger generation. p.105.
Razgon, L. - Mother of revolutionists. p.107.
Bookshelf. pp.108, 112, 122.

TSeitlin, M. - Urgent problems of the teaching of literature. p.110.
Works of Gaidar in children's drawings. p.112a.
Korotov, V. - Training of organizers in boarding schools. p.113.
Konstantinovskii, P., Sviridov, R. - How to teach children to study. p.115.
Shurko, M. - Let it fill your heart with anxiety! p.118.
Ivanenko, V. - Living grammar. p.119.
Read it in the periodicals. p.120.
To our readers. p.121
In the Ministry of Education of the R.S.F.S.R. p.123.
Province-wide conference on education. p.125.
Noteworthy dates. p.127.
Smirnov, I., and others. - Excursions across our homeland. supplement.

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, 42, no.2, Feb. 1964.

Table of contents translated:

Astakhov, O.I., Rus'ko, O.M. - Urgent problems of the teaching of chemistry in secondary schools. p.3.
Shashlo, T.M. - Let's reveal the miraculous power of chemistry in class. p.9.
Blahinin, M.T., Blahinina, O.M. - N.K.Krupskaia's thoughts on the connection between subjects. p.14.
Kochkina, O.F. - Let's train them during a lesson. p.19.
Shakurov, R.Kh. - Inculcating moral convictions. p.23.
Dadenkov, IU.M. - Programmed instruction and the training of personnel for the national economy. p.31.

Riakhovs'kyi, H.D. - Method of compiling programmed materials. p.36.
Mikhnushov, O.H., Sokolins'kyi, I.IA. - "OM-9-5" teaching machine. p.42.
Kyrychuk, O.V. - Development of group relations among children in the process of work. p.48.
Nesterenko, H.O. - Love for work cannot be taught by words alone. p.51.
Krasnikova, H.I. - Geographical excursions in primary grades. p.52.
Vainrub, E.M. - Hygienic requirements of work organization in the schools with longer hours. p.56.
Iniutin, P.P. - Take care of precious minutes. p.60.
Nizhyns'kyi, M.P. - Influence of T.H.Shevchenko on public education in the prerevolutionary period. p.63.
Myronov, M.M. - How Russian children got acquainted with the works of T.H.Shevchenko for the first time. p.71.

Ovsiienko, N.IA. - Shevchenko and teachers. p.74.
Kozyrenko, I. - Connections of the bard with Odessa. p.77.
Bilohub, I.M., and others. - Celebration of the anniversary of the great bard. p.78.
IAremchuk, F.P. - Solution and analysis of equations. p.84.
Fedorenko, M.I. - Scientific and technological achievements and the independent work of students. p.91.
Hryshai, I.IA. - From the diary of a principal. p.93.
TSymbalistyi, R.M. - International club in an eight-year school. p.93.
Dorfman, E.M. - Club of merry booklovers. p.96.
Burakivs'ka, M. - From the exhibition of folk art. p.100.
Hudzyk, H.S., and others. - Vocational training of students should have a solid technical basis. p.101.

Baron, M.S., Rivna, M.Z., Stroieva, A. - A timely raised question. p.106.
Fal'ko, V.A., Lutko, L.P., Bevz, H.P. - Verified by experience. p.108.
Vich, M. - Textbook for manual training teachers. p.109.
Chemerys, O.D. - Musical education in a Pioneer detachment. p.110.
Moroz, V. - Third Plenum of the Republic-Wide Trade-Union Committee. p.111.
Cherednychenko, P. - Conference of the elementary school principals of Dnepropetrovsk Province. p.112.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]. Moscow, no.5, May 1934.

SEM'IA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol.19, no.1, Jan. 1964.

Table of contents translated:

Let there be everlasting sunshine! p.1.
Kolbanovskii, V. - Family happiness is in your hands. p.2.
Volgina, V. - Sea and the sun. p.4.
Gazarian, S. - Before and after the wedding. p.6.
Voitik, P. - Il'ich and the children from Shushenskoye. p.8.
Shcherbakov, Valentin. - Stubborn people. p.10.
Belov, Anatolii. - Height. p.12.
Aidarova, L. - Talented and "nontalented." p.15.
Stepanova, M. - First results. p.17.
Rodari, Gianni. - Once upon a time there lived a little girl. p.19.
Editor's mail. p.20.
For tots. p.22.

Music page. p.23.
Brief news. p.24.
Rives, IU., Ognianov, M. - Everybody is responsible for children. p.26.
Emel'ianov, Boris. - Interview with Arkadii Gaidar. p.28.
Chudakova, M. - Language of "children's" prose. p.29.
Among books. p.31.
Khalaminskii, IUrii. - Georgii Nisskii, our contemporary. p.33.
Kalinin, IU. - My telephone rang. p.34.
Brief notes on various things. p.36.
Fainberg, S. - This can be avoided. p.37.
Kardashova, Anna. - Queen's guardsman. p.38.
Shpreregen, G., Bekhterev, IU. - No, it is not an amusement! p.41.
Smirnov, F. - Hunters under the snow. p.42.
Mironov, M. - Victims are guilty too. p.42.

Kostygova, T., Nikulina, G. - How potatoes made their career. p.44.
Aleksandrov, B. - Second bread. p.45.
Krysin, L. - Styles of speech. p.45.
Litvinova, N. - Let's do fretwork. p.47.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshcheniia RSFSR po voprosam trudovogo vospitaniia politekhnicheskogo i proizvodstvennogo obrazovaniia [Ministry of Education of the R.S.F.S.R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education]. Moscow, vol.8, no.3, Mar. 1964.

Table of contents translated:

Let's carry out the decisions of the plenum. p.2.
Vorob'ev, A.I., Marin, D.P. - Industrial training at a machine tool plant. p.5.
Kataev, V.F. - Stimulating the cognitive activities of students. p.10.
Ershov, B.A. - Qualification test for the draftsman of machine parts. p.15.
Levin, P.IA. - From our practice. p.17.
Semenikhin, V.P. - Conditions for manual training. p.21.
Ivashkin, V.S. - Let's give more attention to farm mechanization. p.24.
Pivovarov, L.A., Delik, N.N. - Technical modeling and construction. p.29.

Kostikov, A.P., Belkin, L.L. - Tests on carpentry. p.33.
Poliakov, V.A. - Electrical wiring operations. p.41.
Vinogradov, V.N. - N.K.Krupskaia on the graphic training of students. p.45.
Bystrov, V.B., Makarova, M.N. - Some methodological problems of teaching mechanical drawing in the seventh grade. p.47.
Ivanov, U.E. - How we organize the work of our club. p.53.
Dagaeva, T.S. - Simplest field methods for determining the plants' need for fertilizers. p.56.
Bobovnikov, D.Z. - Use of a soil map for instructional purposes. p.60.
Kozheurov, I.V. - Elucidation of the achievements of astronautics in studying general technical subjects. p.62.

Maslova, G.G. - Programmed instruction. p.66.
Drozdiuk, P. - Valuable work on the pedagogical system of A.S.Makarenko. p.73.
Zmeev, I., Zmeeva, F. - N.I.Alliamovskii's apparatus and the determination of soil acidity. p.74.
Pulle, L. - How to make a transformer. p.77.
Sysoev, M. - Calculating appliance. p.79.
Kartashov, A. - Making the electric lamp "Gribok." p.80.
Suvorov, N. - Operating ignition model. p.84.
Buravlev, V. - Calibrated socket wrench. p.85.
Buchko, B., Berezovskii, A. - Do you know your formulas? p.86.
Znamenskii, IU. - Books on educational motion pictures. p.87.
Kandaurov, A. - Work of the schools in the German Democratic Republic. p.89.

Mendel', M. - In our student brigade. p.91.
Baikov, F. - Practical questions for students. p.92.
Oks'on, F. - Council on production and education. p.93.
Noteworthy dates in science and technology. p.94.

SHKOLA-INTERNAT [BOARDING SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.4, no.3, May-June 1964.

SOVET MAKTABI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshchenila Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.]. Tashkent, nos.4-5, Apr.-May 1964. [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 28, no. 4, Apr. 1964.

Table of contents translated:

Kairov, I.A. - N.S. Khrushchev on the communist education of younger generations. p. 5.
Gak, G.M. - Marxist-Leninist theory of knowledge and problems of the formation of a communist world view. p. 17.
Semushin, A.D. - Content of mathematical education in secondary schools. p. 29.
Volovnikova, G.M. - Literature as a moral adviser of youth. p. 39.
Zaitseva, S.S. - Let's teach them to be patriots. p. 49.
Syreishchikova, N.A. - Education based on the traditions of revolution and labor. p. 54.
Kovalev, A.G. - Self-education and the development of student personality. p. 59.
Shul'ts, M.P. - Character of interrelations between teachers and students. p. 67.
Korolev, F.F. - K.N. Ventitsel', outstanding representative of the theory of liberal education (1857-1947). p. 73.
Seleznev, V.A., Chulanov, IU.G. - At the sources of publishing work in the first years of Soviet rule. p. 92.
Davydov, V.V. - Changes in the content of elementary education. p. 95.
Korneichik, T.D. - Educational activity of M.M. Pistrak (1888-1940). p. 104.
Karamyshev, A.L. - Members of the Ul'ianov family about I.N. Ul'ianov. p. 115.
Ponomarev, D.K. - People of Africa are studying. p. 123.
Kondakov, M.I. - Lenin on communist morals. p. 134.
Ganelin, Sh.I. - "Connection between education, life and students' work." p. 137.
Il'in, V.S., Petrichenko, S.V., Korchinskii, E.K. - "Technical education." p. 139.
Smirnov, M.I. - "Psychology of personality." p. 141.
Leibson, V.I. - For primary school students; review of poetry for 1963. p. 146.
D'iakova, R. - Ninety-fifth anniversary of the birth of N.K. Krupskaia. p. 150.
Korsunskaia, B. - Education and development of deaf preschool children. p. 151.
Ruvinskii, L. - Discussing the problems of the psychology of will, its training and self-training. p. 154.
Preobrazhenskii, S.IU. - Aesthetic education in the process of the general cultural work of students. p. 156.
Bobovnikov, D.Z. - We study agricultural chemistry. p. 158.

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 22, no. 4, Apr. 1964.

Table of contents translated:

Concern of the party puts a great obligation on one. p. 3.
Kaftanov, S.V. - We can give even more. p. 7.
Romankov, P.G. - In the interests of the development of chemistry. p. 9.
Nikolaev, G.A. - On equal footing with Scientific Research Institute. p. 10.
Lisunov, V.I. - When a degree project answers the requirements of industry. p. 12.
Pronin, V.A., Kushnir, V.M. - Take the floor, economists! p. 14.
Vishniakov, K.A., Sokolov, K.N. - Answering the appeal of the party. p. 19.
Sokolov, A.IA., Kestel'man, V.N. - Let's teach them to apply polymer materials. Yes, this type of specialist is needed. p. 21.
Vozdvizhenskii, G.S., Akhmetov, N.S. - Let's build a course on the principle "How and why"; conference by correspondence goes on. p. 23.
Tul'chinskii, L.I. - Economics of higher education; notes of an economist. p. 27.
Kruglova, Z.M. - In the same line with industrial personnel. p. 33.
Let's train forward-looking engineers:
  Makhin, P.A. - Student of mining engineering should have fully adequate practice. p. 37.
  Mak, S.L. - "Machine parts" course, its place and content. p. 40.
First volume of the "Pedagogical encyclopedia." p. 44.
Theory and practice of programmed instruction:
  Aleksandrov, G.N. - Let's combine the new and the traditional in an intelligent way. p. 45.
  Gaziev, A.A. - Cybernetic devices assist the independent work of students. p. 50.
What is the audio-visual method of studying foreign languages:
  Shekhter, I.IU. - Audio-visual synthesis and the study of oral speech. p. 53.
  Gromova, O.A. - Audio-visual method abroad. p. 57.
  Rzhekhak, V. - Let's make a more efficient use of motion pictures. p. 60.
IUn'kov, A.A. - Facing a new registration. Well thought out preparation and organization is of decisive importance. p. 62.
Gorbunov, M.S., Bugrov, P.M. - They built a stadium with their own hands. p. 64.
Kovalev, B.V. - Six hundred fifty thousand of the strong and skillful; the Fourth All-Russian Student Winter Sports Games. p. 66.
Orlov, S.M. - Institutions of higher learning and athletic training. p. 67.
"Fundamentals of scientific communism" as an important means of the ideological training of students:
  Novoselov, N.S. - Let's accumulate experience and improve the course. p. 72.
  Volkov, P.T., Tarnavskii, L.S. - Presenting papers at seminars. p. 76.
Stanis, L.IA. - Let's strengthen the alliance between philosophers and naturalists in the institutions of higher learning. p. 78.
Politkin, F.N., Khmylov, P.N. - We vary methodology and inculcate independence in students. p. 84.
Aralov, N.E. - Dissertation is discussed on a collective farm. p. 87.
Krotter, D.S. - System of lecture demonstrations in a physics course in a medical institute. p. 89.
Enthusiasts of programming received the medal of the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 91.
TSukanova, V.T. - From the pages of the periodical. p. 92.
Brief notes on books. p. 96.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 5, May 1964.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of TSentral'nyi Sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U.S.S.R.]. Moscow, nos. 5(791)-6(792), May-June 1964.

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 10, no. 5(108), May 1964.

SAHS [CHESS]. Issued by Latvijas PSR Sporta biedribu un organizaciju savieniba and Saha federacija [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos. 6(115)-8(118), Mar.-Apr. 1964. [In Latvian]

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, no. 8(104), Apr. 1964.

SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 41, no. 5, May 1964.

SPORT V SSSR [SPORTS IN THE U.S.S.R.]. Issued by the Periodical "Sovetskii Soiuz" ["Soviet Union"]. Moscow, nos. 2(12)-4(14), 1964.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 8, no. 5, 1964.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 26, no. 9, Sep. 1963.

Table of contents translated:

Sports for the masses and high craftsmanship. p. 1.
Maksimov, V.G. - Results of the Third Spartakiada of the Peoples of the U.S.S.R. p. 3.
Spartakiadas of the Union Republics, the cities of Moscow and Leningrad. p. 12.
Gudanovicius, A.P. - Problems of the ideological and political education of students. p. 19.
Askerov, A.A. - Joint efforts to improve the physical education of the younger generation. p. 23.
Gudzenko, I.R., Aksel'rod, S.L. - New program of physical education for students. p. 27.
Simakov, IU.P. - Oto but a terrible weapon; V.V. Malakovskii on physical culture. p. 31.
Skvortsov, B.L. - Problem of long-range training of young swimmers. p. 38.
Sermeev, B.V. - Effect of special exercises on the mobility of the joints in schoolchildren. p. 43.
Likhachevskaia, E.F., Koval'chuk, T.P. - Distribution of the load of exercises in training track athletes for medium distances. p. 45.
Iordanskaia, F.A., Pul'kina, I.E., Stogova, L.I. - Doctor's care of young cyclists. p. 48.
Galibin, K.V. - Regularities in the movement of the overall center of gravity of the body of a gymnast in executing full turns on a bar. p. 51.
Bunchuk, M.F. - Work of the industrial physical education collectives of the Avangard Volunteer Sports Society. p. 57.
Pigalev, S.A. - Callisthenics at the Votkinsk Machine Works. p. 57.
Tokarev, M. - For mass rural physical culture organizations. p. 59.
Results of the discussion on the Uniform All-Union Sports Classification. p. 61.
Ivliev, A., Mymrin, G. - Prospects for the further development of physical education. p. 64.
Lomeiko, V.F. - Abstracts of foreign articles on jumping for athletes and children. p. 67.
Belinovich, V.V. - International Symposium on Physical Culture for Workers. p. 69.
Dikunov, A.M. - Examples of visual information for training gymnasts. p. 70.
Zubynin, V.P. - Training rural physical education personnel. p. 73.
Samorukov, G.S. - Organizing independent work for students of institutions of higher learning. p. 75.
Korenberg, V.B. - Fourteenth Scientific and Methodological Conference of the Institutions of Higher Learning on physical education. p. 79.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol. 33, no. 12, 1963.

Table of contents translated:

For a prolonged life of the good film. p. 1.
After a presentation made by our periodical. p. 4.
Nagibin, IUrii. - Difficult road; a screenplay (conclusion). p. 11.
Anastas'ev, A. - Academician Dronov on the screen. p. 46.
Zelenko, N. - Companion of fire. p. 49.
Bozhovich, V. - "...In the system of coordinates." p. 52.
Troitskaia, G. - Ballad about red commanders. p. 55.
Medvedev, Bor. - "We're going to see 'Chapaev'!". p. 58.
Gorokhov, Ven. - Window on the world. p. 62.
Tolstykh, V. - Authority of criticism. p. 64.
Gurin, S. - The sound producer is an artist. p. 71.
Vaisfel'd, I. - "Truth of motion pictures" and simply the truth. p. 77.
Aizenshtat, O. - High tension. p. 81.
Zagdanskii, E. - In quest of new solutions. p. 83.
Arlazorov, M. - Children, motion pictures, science. p. 88.
Motion-picture clubs can be founded everywhere. p. 95.
Kozhinova, L. - It all begins with the writer. p. 100.
Ovchinnikova, I. - "Just as in motion pictures!" p. 110.
Pisarevskii, D. - Remarks on Yugoslav motion pictures. p. 112.
Makliarskii, M. - From Hungarian notebooks. p. 124.
Anosova, N. - Jean Gremillon is a man, a communist, and an artist. p. 129.
Gremillon, Jean. - To be a messenger of the times. p. 131.
Walasek, Mieczyslaw. - Turning to the contemporary theme in Polish motion pictures. p. 140.
Pell', V. - For amateurs at motion pictures. p. 142.
Dyko, L. - From a trade to an art. p. 146.
Vartanov, An. - Oldest of the professions in motion pictures. p. 148.
Aleinikov, M. - Studying the facts of history. p. 152.
Motion-picture schedule. p. 155.

Table of contents translated:

The audience shall have the first word. p. 1.
Sorokin, Zakhar. - Trace in the soul. p. 2.

Antonov, O.K. - What do I look for in motion pictures, p.5.
Pahan, H.E. - What Hollywood admired, p.7.
The [illegible], "Vostok" on the air, p.7.
Papazyan, V. - Miniature plus minus, p.8.
[illegible], Hubert. - A man with a big plan, p.9.
[illegible], Nikolai. - Misfortunes of wealth, p.10.
[illegible], Evgenii. - Preparations for battle, p.11.
[illegible], N. - Talented means interesting, p.12.
[illegible], Georgii. - Create rather than relate, p.14.
[illegible], Andrei. - Mirror of the time, p.17.
[illegible], Donald. - A eulogy to boredom, satire, p.18.
[illegible], Bella. - I hear people, p.19.
[illegible], Sergei. - Reflection on motion picture truth and falsehood, p.60.
[illegible], N. - [illegible], p.81.
[illegible], V. - [illegible], p.82.
[illegible], V. - And only that? p.84.
[illegible], Yu. - [illegible], p.84.
[illegible], M. - Mechanism of the [illegible], p.94.
[illegible], Yu. - [illegible] "[illegible]," p.107.
[illegible], N. - The path of pictorial perception, p.112.
[illegible], N. - "[illegible]," p.114.
[illegible], F. - [illegible], p.116.
[illegible], V. - [illegible] spiritually responsible, p.119.
[illegible], p.121.
[illegible] film festival, p.125.
[illegible], M. - "[illegible] life," p.126.
[illegible], p.131.
[illegible], p.138.
[illegible], p.145.

Vol. 34, no. 2, 1964
Table of contents translated
[illegible], p.1.
[illegible], p.2.
[illegible], p.5.
[illegible], p.13.
[illegible], p.26.
[illegible], p.32.
[illegible], p.33.
[illegible], p.41.
[illegible], p.43.
[illegible], p.46.
[illegible], p.50.
[illegible], p.57.
[illegible], p.58.
[illegible], p.59.
[illegible], p.63.
[illegible], p.67.
[illegible], p.69.
[illegible], p.86.
[illegible], p.97.
[illegible], p.98.
[illegible], p.99.
[illegible], p.103.
[illegible], p.123.
[illegible] - [illegible] works on a [illegible], p.128.
[illegible], A. - Yesterday and today of the "[illegible]," p.130.
On screens of the world
[illegible], V. - "[illegible]," p.133.
[illegible], Claude. - "The [illegible]," p.136.
[illegible], Allen. - "[illegible] and [illegible]," p.139.
[illegible], M. - "[illegible]," p.141.
[illegible], M. - "[illegible]," p.144.
[illegible], Victor. - "[illegible]," p.145.
At the exhibition of [illegible], p.147.
[illegible], p.150.

Vol. 34, no. 1, 1964.
Table of contents translated:
[illegible] - The way to tomorrow, p.1.
[illegible], G. - Where are the [illegible], p.6.
[illegible], S. - [illegible] of the time, p.13.
[illegible], M. - [illegible], p.22.
[illegible], Alexander. - [illegible] with a special [illegible], p.30.
[illegible], V. - [illegible], p.35.
[illegible] - Open your eyes! p.38.

[illegible], V. - Postscript to the film "[illegible]," p.31.
Aleksandr [illegible] - A time for maturity, p.31.
[illegible], N. - Your watchmen are [illegible], p.37.
[illegible], Donald. - A few plain truths, p.42.
[illegible], Natalia. - I want to believe the screen, p.44.
[illegible], Aleksandr. - Talk on an important subject, p.45.
[illegible], Anatolii. - Interesting man, p.47.
[illegible], Mikhail. - Confidence in artistic quality, p.49.
[illegible], Aleksandr. - In all the [illegible] of the [illegible], p.53.
[illegible] - The [illegible] of [illegible], p.57.
[illegible], H. - The life and "[illegible]" television, p.57.
[illegible], A. - [illegible] behind the screen, p.59.
[illegible], I. - [illegible] of the [illegible] studio, p.62.
[illegible], V. - In search of [illegible], p.64.
[illegible], N. - Life [illegible], p.72.
[illegible], A. - [illegible], p.80.
[illegible], M. - [illegible], p.99.
[illegible], I. - "[illegible]," p.104.
[illegible], p.112.
[illegible], V., [illegible], A. - [illegible], p.115.
[illegible], V.A. - [illegible], p.139.

[illegible] (Ministry of Culture [illegible]), Moscow, no. 5, May 1964

[illegible], Moscow, [illegible], May 1964

[illegible], Moscow, [illegible], 1964

Table of contents translated.
[illegible], M.I., and others - [illegible] pictures [illegible], p.1.
[illegible], F.M., [illegible], N.A., [illegible] - A [illegible] method for [illegible], p.3.
[illegible], M., [illegible], I., [illegible] system for [illegible], p.13.
[illegible], I.M., [illegible], N.N., [illegible] - [illegible] film [illegible], p.14.
[illegible], V.D. - [illegible] systems, p.19.
[illegible], V.S. - Analysis of the [illegible] signal shape, p.22.
[illegible], A.M. - Theory of [illegible] used in [illegible] control systems, p.29.
[illegible], V.A., [illegible], A.I. - All-purpose [illegible] to [illegible], p.34.
[illegible], N.A. - [illegible] camera "[illegible]" with a [illegible] system, p.36.
[illegible], V.V., [illegible], I.I., [illegible], V.N. - Partial improvement of the [illegible] design, p.40.
[illegible], D.D., [illegible], A.M. - [illegible] generator, p.42.
[illegible], I.M., [illegible], A.P. - Film cleaning equipment, p.44.
Abstracts section, p.72.
[illegible] birthday of [illegible], p.81.
Conference and seminar on the new assortment of color motion-picture films, p.83.
Technology of the production of [illegible] films, p.88.
Conveyor for motion picture distribution points, p.92.
Index of articles published during 1963, p.95.

Vol. 3, no. 5, May 1964.
Table of contents translated:
[illegible], E.L., [illegible], L.L. - New electric driving systems for use in motion-picture photography, p.1.
[illegible], M.G. - New equipment for synchronous magnetic sound recording on magnetized tapes, p.13.
[illegible], A.V. - Combined speed stabilizer for universal motion-picture projectors, p.18.
[illegible], M.E., and others. - Spectral sensitivity of [illegible] negative films, p.27.
[illegible], N.A., [illegible], A.P. - Characteristics of the sound track of color motion pictures made on multiple-layer films, p.31.

[illegible], A.I. - Standardization of color television systems, p.33.
[illegible] N.N. - Improving image quality in the [illegible] television cameras for motion-picture broadcasting, p.41.
[illegible], V.P., [illegible], N.I. - Phase-difference distortions in video amplifiers, p.47.
[illegible], N.G., [illegible], A.I. - Television [illegible], p.50.
[illegible] industrial television system, p.55.
[illegible], M.V. - Improving the techniques of construction for motion-picture stage settings, p.56.
[illegible], M.I. - Device for measuring the depth of modulation, p.59.
[illegible], N.V. - Design of systems for [illegible] and automatic exposure time setting, p.61.
From the editor's mail, p.64.
Foreign technology.
[illegible], O.D. - Television [illegible] for manipulators and robots, p.[illegible]
Abstracts section, p.74.
Without due [illegible] and knowledge of the matter, book review, p.89.
[illegible] awarded to the Exhibition of Achievements of the National Economy, p.91.
[illegible] birthday of N.I. [illegible], p.92.
In the Technical Council of the State Committee of Cinematography, p.94.

5. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of [illegible] and Ministry of Culture [illegible] of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.). Moscow, vol. 7, no. 10, May 1964.

SOVETSKAIA MUZYKA [SOVIET MUSIC]. Organ of [illegible] and Ministry of Culture [illegible] of the U.S.S.R. [illegible], no. 11, [illegible] 1964

Table of contents translated
"[illegible]" from the [illegible] "[illegible]," with notes by [illegible], p.2.
[illegible], M. - [illegible] of the [illegible], p.6.
[illegible], N., [illegible], M. - Letter from the [illegible], p.12.
[illegible], S. - [illegible] friendship, p.23.
[illegible], I. - [illegible] of great talent, p.29.
[illegible], M. - [illegible] "[illegible]," p.37.
[illegible], I. - In defense of [illegible], p.[illegible]
[illegible], I. - [illegible] today, p.43.
[illegible], p.46.
[illegible], A. - [illegible], p.47
[illegible], p.49
[illegible], N. - The [illegible], p.50.
[illegible], I. - About [illegible], p.52.
[illegible], M. - [illegible], p.53
[illegible], M. - [illegible], p.54.
[illegible], V. - [illegible] planet, p.61.
[illegible], M. - [illegible], p.[illegible]
[illegible], A. - [illegible] of an artist, p.73.
[illegible], Iu. - [illegible] plays, p.78
[illegible], I. - [illegible] artist, p.80.
[illegible], V. - [illegible] singer, p.83
[illegible], N. - [illegible], p.86
[illegible] people, [illegible], p.89
[illegible], V. - [illegible] great [illegible], p.105
[illegible], N. - [illegible], p.110.
[illegible] Republic.
[illegible], [illegible] - [illegible], p.[illegible]
Rumania.
[illegible], P. - [illegible], p.130.
[illegible], P. - "Anthology of Rumanian folk songs," p.133
Italy
[illegible], D. - "[illegible]," p.135.
[illegible], P. - Songs of the [illegible] revolution, p.131.
[illegible], G. - Book about [illegible], p.138.
[illegible], M. - On the 100th anniversary of the Leningrad Conservatory, p.139.
[illegible], K. - Experience of a teacher, p.144.
Reviews, p.146.
[illegible], G.I., [illegible], A.A., [illegible], N.I. - Our publications, p.148.
Brief news, p.151.

6. THEATER

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE]. Published by "Molodaia gvardiia" ["Young Guard"]. Moscow, no. [illegible], 1964.

NA DOPOMOHU KHUDOZHNII SAMODIIAL'NOSTI; repertuarnyi zbirnykh [A GUIDE FOR ART AMATEURS; Repertorial Collection]. Kiev, no.3(51), May 1964.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol. 8, nos. 2(77)-3(78), Feb.-Mar. 1964.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, nos. 9-10, May 1964.

10. FINE ARTS

a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, vol. 8, no. 5(78), May 1964.

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol. 26, no. 12, 1963.

Table of contents translated:
Sysoev, P. - Broad persepctives of creativity. p. 2.
Nadzhafov, M. - Mikail Abdullaev. p. 12.
Matt, F. - Eduard Einmann. p. 19.
Razina, T. - To understand and love folk art. p. 23.
Sal'ko, N. - IU. Neprintsev's impressions of the heroes of Leningrad. p. 28.
Chervonnaia, S. - Monument of courage and struggle. p. 31.
Sokol'nikov, M. - Landscapes by Andrei Poliushenko. p. 33.
Neiman, M. - P. P. Konchalovskii, master of the art of painting. p. 36.
Svetlov, I. - Encounters with Hungarian sculpture. p. 45.
Vlasova, R., Ivanovskii, P. - Creative history of I. E. Repin's painting "Meeting of the State Council." p. 54.
Sidorova, V. - Toran sculpture in Sanchi. p. 61.
Shantyko, N. - Struggle for realism in the art of the 1920's. p. 67.
Looking over foreign periodicals.... p. 70.
Prokof'ev, O. - Recently discovered monuments of the culture of ancient America. p. 74.
Brief notes. p. 77.

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol. 6, no. 5, 1964.

LENINGRAD. ERMITAZH. Soobshcheniia [HERMITAGE. Reports]. No. 22, 1962.

Table of contents translated:
The 30th anniversary of the Department of Prehistoric Culture. p. 3.
Galanina, L., Domanskii, IA. - Exhibition of the Department of Prehistoric Culture. p. 3.
Liulina, R. - The building of Raphael's loggia in the Hermitage complex. p. 7.
Gorfunkel', A. - A portrait of Giordano Bruno. p. 9.
Dobroklonskii, M. - Rosso's drawings in the Hermitage. p. 11.
Kuznetsov, IU. - New datings of works of Adriaen van Ostade and his school. p. 15.
Likhacheva, V. - A chalcedony bust of Julian the Apostate. p. 18.
Miller, IU. - Fragment of a 16th century Turkish rug. p. 21.
Panichkina, M. - Paleolithic object from the Khosta cave. p. 23.
Kachalova, - The cultural attribution of the Kalinovskiy "founder" and Kotobanka tombs. p. 24.
Griazhov, M. - Anthropomorphous figurine of the Bronze Age from the Ob' River. p. 26.
Zavitukhina, M. - The Biysk burial ground. p. 28.
Artamonov, M. - The origin of Scythian art. p. 30.
Poltoratskaia, V. - Graffiti on several objects from Altai Kurgans. p. 36.
Berkhin, I. - The provenance of a set of two silver phalerae from the Fedolov hoard. p. 37.
Skalon, K. - Representation of the dragon in art of the fourth and fifth centuries. p. 40.
Iessen, A. - Hoard from the settlement of Lukhvano, Georgia. p. 44.
English summary. p. 47.
Stoliar, A., Formozov, A. - The Kuban expedition of 1959-1960. p. 49.
Belov, G. - Excavations in Chersonese in 1959. p. 54.
The Khazar tombs and the site of Itil. L. Gumilev. p. 56.
Gorbunova, N. - Archaeological work in Fergana. p. 59.
Exhibition on the 350th anniversary of Adriaen van Ostade's birth. p. 60.
Sarokin, S. - Treasures of Mexican art in the halls of the Hermitage. p. 60.
Kamenskaia, T. - Pastels of the 18th and 19th centuries. p. 64.
From new acquisitions of the Oriental Department. p. 66.
Brief news. p. 68.
Gluzal'ian, L. - I. A. Orbeli; obituary. p. 71.
D. D. Timofeev; obituary. p. 74.

LVOV. UKRAINS'KYI DERZHAVNYI MUZEI ETNOGRAFII TA KHUDOZHN'OHO PROMYSLU. Materialy z etnografii ta mystetstvoznavstva [UKRAINIAN STATE MUSEUM OF ETNOGRAPHY AND THE ART INDUSTRIES. Materials on Ethnography and Art]. Kiev, no. 5, 1959.

Table of contents translated:
Lomova, M. T. - Ethnographic research on the family life of Ukrainian workers. p. 3.
Kozakevych, M. Z. - Peasant farm houses in the Ukrainian Polesye; from the second half of the 19th century to the first half of the 20th century. p. 9.
Nedashkivs'ka, G. F. - Ethnographic research in the village of Toporov. p. 26.
Mateiko, K. I. - Literary sources of the history of the mode of life of Ukrainian workers in the pre-Soviet period. p. 42.
Sidorovych, S. I. - Ornament of the hand-woven fabrics in the western areas of the Ukraine of the 19th and early twentieth century. p. 64.
Dolins'kyi, L. V. - The old Ukrainian porcelain. p. 89.
Spas'ka, IU. E. - Materials for the history of A. M. Milashevs'kyi's porcelain factory, 1839-1861. p. 120.
Zholtovs'kyi, P. M. - Artistic metalwork in the western areas of the Ukraine from the 18th to the 19th century. p. 136.

MYSTETSTVO [ART]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S.S.R.]. and others. Kiev, vol. 10, no. 5, Sep.-Oct. 1963.

Table of contents translated:
Justify the confidence of the party. p. 1.
Dan'kevych, K. - A word to the young. p. 3.
Romanyts'kyi, B. - Common forces. p. 4.
Rudchenko, P. - Aesthetic training of future teachers. p. 6.
Zatenats'kyi, IA. - For new achievements. p. 8.
Vladych, L. - Thoughts about graphic arts and posters. p. 10.
Vorba, I. - Inspiration and talent. p. 12.
Ahranov, V., Fohel', Z. - The artistic film and the artist. p. 14.
Kornilenko, I. - The screen and reality (to be continued). p. 17.
Starynkevych, IE. - Dramaturgy without heroes. p. 22.
Chlenova, L. - Ivan Pokhytonov. p. 25.
Hlyns'ka, L. - Mighty talent. p. 26.
Lavrov, S. - Views of Denis Diderot on art. p. 27.
Nelli, V. - In memory of an outstanding actor. p. 28.
Holovashchenko, M. - Enchantress of the song. p. 30.
Durniev, I. - First staging of "Taras Bul'ba." p. 31.
Shudria, K. - Starry world of art. p. 33.
Assisting amateur theaters. p. 34.
Humor. p. 35.
Brief news. p. 36.

Vol. 10, no. 6, Nov.-Dec. 1963.

Table of contents translated:
Source of strength and invincibility. p. 1.
Perederii, V. - Guiding star. p. 3.
Afanas'iev, V. - Vital beginning. p. 5.
Ryps'ka, N. - Just where is the beauty of life? p. 9.
Musiienko, P. - IAkym Hlyns'kyi. p. 11.
Symashkevych, M. - Word about an artist. p. 14.
Noho, L. - Exciting motion-picture account. p. 15.
Kornilenko, I. - The screen and reality (conclusion). p. 17.
Sokal's'kyi, O. - Problems of music education. p. 21.
Shtoharenko, A. - Fiftieth anniversary of the Kiev Conservatory. p. 24.
Leonova, M. - Letter written by A. K. Glazunov. p. 26.
Dovzhenko, V. - The symphonic poem "Taras Shevchenko" by K. Dan'kevych. p. 27.
Tereshchenko, P. - Significant date. p. 29.
Hordiichuk, M. - Time of creative maturity. p. 30.
Vasyliuk, D. - "My thoughts are of you, of a free people." p. 32.
Hrin, A. - Pages from the biography of M. S. Shchepkin. p. 33.
Assisting amateur theaters. p. 35.
Diachenko, O. — Dramaturgy of a great poetess. p. 36.
Humor. p. 37.
Brief news. p. 38.

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, vol. 24, no. 5, May 1964.

b. ARCHITECTURE

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshi uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Construction and Architecture]. Moscow, vol. 6, no. 6, 1963.

Table of contents translated:
Sokolova, G. A. - Calculation of elastic rectangular plates during finite flescures. p. 3.
Senitskii, IU. E. - Determining the frequency of inherent vibrations of compressed rods by the Rayleigh-Ritz method. p. 11.
Egorov, I. A. - Calculating rod systems for vibrations. p. 20.
Ivanov, A. M., Lisov, V. M. - Lateral distribution of a temporary load in automobile bridges with a joint reinforced concrete slab. p. 27.
Ermakov, A. K. - Theory of calculating a continuous plate of a beam-well with an opening. p. 34.
Golubkov, V. N., Tugaenko, IU. F. - Study of the deformations in sand cushions. p. 40.
Bogdanovich, O. A. - Concreting borehole piles under a layer of clay muds and the effect of bond between concrete and steel on the strength of elements undergoing bending. p. 48.
Potekhina, T. K. - Application of the Ritz variation method for the calculation of arched dams. p. 52.
Panfilov, D. F. - Curving of an unlimited ice field by a temporary static load. p. 60.
Piskunov, P. I., Sokolova, N. V. - Study of the ozonization of water at the Gorkiy water supply line. p. 71.
Rokhletsov, L. P. - Hydraulic calculation of saturated high-pressure steam pipelines. p. 77.
Stupachenko, P. P. - Binding materials from gypsum-bearing rocks. p. 81.
Fateeva, N. I., Tagil'tsev, A. Z., Bebeshko, V. I. - Characteristics of the curves showing the dependence of the strength of hardened cement on the calcium sulfate dihydrate content in cement. p. 87.
Sevast'ianov, L. I. - Methodology of calculating the optimal rhythm of continuous building of large apartment houses. p. 95.
Gur'ev, M. E. - Required resistance to heat transfer in walls of livestock buildings. p. 103.
Ogly, B. I. - Particulars of the organization of short-term vacations in the vicinity of large Siberian cities. p. 111.
Savarenskaia, T. F. - Some characteristics of the historical development of Russian cities situated along navigable rivers. p. 118.
Serebriakov, N. B. - Determining the regulating capacity of tanks. p. 128.
Karpenko, V. N., and others. - Manual for agricultural construction. p. 132.

Vol. 6, no. 8, 1963.

Table of contents translated:
Ishakov, V. I. - Redistribution of stresses in reinforced concrete rings. p. 3.
Kurmei, G. E. - Study of compressed elements of reinforced concrete trusses. p. 11.
Fain, IA. S. - Calculation of bridges taking into account the torsion of the main beam. p. 18.
Klinov, I. G. - Experimental study of the bending of double-T steel beams strengthened by pre-tensioning. p. 26.
Egorov, I. A. - Calculating three-dimensional frame systems for vibration. p. 34.
Makhovikov, V. I. - A problem for elastic spaces and areas having an infinite number of cylindrical openings. p. 40.
Pichugin, S. A. - Plan for selecting an efficient unit of machines for the erection of an industrial building. p. 52.
Ignatenko, F. I. - Length of the hydraulic jump in an expanding rectangular channel. p. 56.
Tatarov, I. IA. - Capacity of bottom pipes during joint work with surface spillways. p. 65.
Mishchuk, G. IA. - Application of the theory of steady nonuniform fluid flow to the problem of streamlining of turbulent flow. p. 70.
Koida, N. U. - Hydraulic resistance of media with channel porosity. p. 80.
Meshkov, A. M. - Study of the three-stage process of manufacturing reinforced concrete pressure pipes. p. 84.
Knigina, G. I., Balandina, T. S. - Activation of the hardening of lime and naturally calcined clay binding materials with admixtures of natural perlites. p. 92.
Kas'ian, A. A. - Method of determining the composition of cement and sand concretes. p. 101.
Gurin, M. A. - Energy required for and efficiency in the disintegration of frozen ground by a ramming device with a vibratory hammer. p. 111.

TSipurskii, I.L. - Measuring forces acting on bucket teeth of a rotary trench digger. p.117.
Borovkov, A.A. - Prerequisites for designing consolidated school buildings. p.126.
Pivkin, V.M., Pivkina, N.L. - Planning micro-districts between thoroughfares. p.133.
Fedichkin, I.K. and others. - Problem of the possibility of obtaining water from a river during low-water periods with a damless intake of the bucket-type.
Arbuzova, S.K., Tokin, A.N. - Loess deposits in Volgograd Province and results of their stabilization. p.144.
Anan'ev, V.P., Zurnadzhi, V.A. - Effect of soil moisture on the settling characteristics of foundation beds of buildings and structures. p.148.
Sil'vestrov, A.V., Umriasheva, L.G. - Cyclic durability of welded double-T beams in connection with the technology of their production. p.153.
Maksimov, L.Kh. - Determining the design discharge of rain water. p.157.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet po delam stroitel'stva Ukrainskoi SSR and Soiuz arkhitektorov Ukrainy [State Committee for Construction in the Ukrainian S.S.R. and the Association of Architects of the Ukraine]. Kiev, vol. 11, no. 10, Oct. 1963.

Table of contents translated:
Koviazin, B. - Raise the quality of city construction. p.1.
Tutuchenko, S. - What the last competition showed. p.3.
Pechenov, A. - Designing structural features of multistory apartment houses. p.5.
Medvedev, M., Skachkov, O. - Multistory apartment houses of frame-panel structures. p.8.
TSeiglin, A., and others. - Coverings using hyperbolic shells. p.11.
Gladyshev, B., and others. - Rolled gypsum panels in prefabricated room-units. p.12.
Repiakh, V. - One of the economic criteria in construction. p.14.
Miakshin, V. - Sound insulating properties of coverings between ceilings and floors of apartment houses. p.14.
Lavrik, G. - Economic effectiveness of standard designs. p.18.
Tiul'pa, L. - New microdistrict in Kharkov. p.22.
Gracheva, L. - Villages of the Lvov-Volyn' Basin. p.23.
Elenskii, M. - Organization of sanitary-protective zones in industrial districts of cities. p.26.
Zimin, V. - Natural relief and construction of micro-districts. p.28.
Listrovoi, V. - High-rise hotel in Terny. p.31.
IAbchanik, B. - System of services in a small town. p.32.
Sheffer, A. - Hydrophysical institute in Sevastopol. p.33.
Rozenberg, E. - Design of a foundry. p.34.
Chmykhalo, N. - Gypsum concrete stair railing. p.34.
Plekhov, N., Kucherenko, K., Reznichenko, V. - Three-dimensional elements in industrial construction. p.35.
Volkov, V. - New machines for finishing work. p.36.
Golovinskii, V. - New thin shell roofs. p.37.
Kilesso, S. - Monument to Bogdan Khmel'nitskyi in Kiev. p.37.
New district in the capital of Cuba. p.38.
Kurchin, G. - Under fire of criticism. p.40.

STROITEL'STVO I ARKHITEKTURA MOSKVY [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo Soveta deputatov trudiashchikhsia [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 12, no. 12, Dec. 1963.

Table of contents translated:
On the threshold of 1964. p.1.
Belozerskii, B., Savin, A. - New solutions and new projects. p.2.
Molchanov, IU., Zelenevskii, V. - Reconstruction of Arbat Square. p.7.
Selivanov, N. - Comprehensive construction of residential areas. p.10.
Vinokurov, K., Rozov, M. - Leaders of Moscow construction projects. p.11.
At Moscow building sites; Khimki-Khovrino residential area. p.13.
Iofan, B., Reitman, M. - Sixteen-story buildings on Shcherbakov Street. p.14.
Dykhovichnyi, IU., Shvekhman, M. - Designing foundations on foundation beds. p.16.
Gunst, I. - A 200 meter span: Construction of a commercial arcade on a new main thoroughfare. p.20.
Covered market in the southwest of Moscow. p.21.
Kholmianskii, M., Belavin, F., Gol'dfrain, B. - Improvement of the construction of vibration rolled floors. p.22.
Grachev, K. - Hoisting machinery for the construction of multistory buildings. p.24.
Poliakov, V. - Hoisting machines for multistory buildings. p.26.
Printing office. p.29.
Folomin, A. - Moisture in materials and qualities of built-up roofs. p.30.
In the Executive Committee of the Moscow City Soviet of Workers' Deputies. p.32.
Index to articles published in our magazine in 1963. p. 3 of cover.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

CHERNOVTSY, UNIVERSYTET. Uchenye zapiski [UNIVERSITY. Studies]. Vol. 47, 1961. Seriia filologicheskikh nauk [Series in the Philological Sciences], no. 14.

Table of contents translated:
Zverev, A.D. - Postpositive appositions in the modern Russian language. p.3.
Arvat, N.N. - Incomplete impersonal sentences in the modern Russian language. p.20.
Bober, E.IA. - Definite-personal clauses in the modern Russian language. p.34.
Skiba, IU.G. - The predicate copula "byt'-est'" in eastern Slavic languages. p.50.
Slin'ko, I.I. - From the history of the accusative declension of living animals in the Ukrainian language. p.57.
Loseva, L.M. - Complex sentences with subordinate object clauses in the Kursk dialect. p.86.
Stolbunova, V.I. - Syntactic features of the simple sentence in the Russian dialect of Bukovina; villages of Belaya Krinitsa and Lipovany of Chernovtsy Province. p.96.
Karpenko, M.V. - Notes on D.I.Mendeleev's syntax. p.104.
Karpenko, M.V. - Conjunctive constructions in the satires and stories of I. Il'f and E. Petrov. p.116.
Arvat, N.N. - Incomplete definite-personal sentences in the modern Russian language. p.119.
Zvereva, L.I. - Changes of sentence word order by the author in manuscripts of A.N.Tolstoi's political and social works. p.123.
Kuznetsov, V.I. - Sentence structure in A.M.Gor'kii's trilogy. p.129.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV KIRJANIKE LIIT [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol. 7, no. 6, June 1964. [In Estonian]

LEKSIKOGRAFICHESKII SBORNIK [LEXICOGRAPHICAL REVIEW]. Issued by Institut Iazykoznaniia Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1963.

Table of contents translated:
Trubachev, O.N. - Reconstruction of various vocabulary systems. p.3.
Nikonov, V.A. - Toponymy and comparative historical lexicography. p.17.
Chikobava, A.S. - Interrelation of etymological and comparative dictionaries. p.24.
Aleksandrov, P.S. - Principles of compiling a Russian dictionary of synonyms. p.30.
Alekseev, D.I. - Russian dictionary of abbreviations. p.45.
Orudzhev, A.A. - Exposition of Russian lexical-grammatical features in Russian-Turkish dictionaries. p.53.
Nurm, E. - Estonian orthological (normative) dictionaries. p.62.
Kumakhov, M.A. - Problems and principles in compiling a comparative Abkhazian-Adyye dictionary. p.69.
Amosova, N.N. - Dictionaries of English phrases. p.78.
Makeeva, V.N. - Unknown excerpt from the first Russian academic dictionary. p.88.
Belozertsev, G.I. - Possessive pronouns in Russian lexicographical tradition. p.98.
Lukina, G.N. - Synonyms and antonyms within the limits of a lexical-semantic word group. p.105.
Baskakov, A.N. - Structural types of terms in Turkish and their lexicographical formation. p.117.
Veselitskii, V.V. - Comparative study of word formation. p.126.
Akhmanova, O.S. - Basic terminology of descriptive linguistics. p.131.
Boduen de Kurtene, I.A. - Comments on a Russian-Polish dictionary. p.139.
Boduen de Kurtene, I.A. - L.V.Shcherba. p.147.
Itskovich, V.A. - History of the word "Vokzal." p.148.
Finkel', A.M. - "From the left side." p.153.
Zambrzhitskii, V.L. - On the history of changes in the meaning of the word "zaraza." p.160.
Leont'ev, A.A. - Red line. p.164.
Filin, F.P. - Names for shoes in Russian. p.166.
Porokhova, O.G. - G.G.Mel'nichenko's "Brief dictionary of Yaroslavl Province." p.172.
Golovkina, O.V. - Russian-Kazakh school dictionary. p.178.
Dmitriev, P.A., Safronov, G.I. - Brief Serbo-Croatian-Russian dictionary. p.182.
Shveitser, A.D. - New English-Russian military dictionary. p.185.
Andreev, N.D. - "Burmese glossary" by William and John K.Musgrave. p.189.
Annotated bibliography of foreign dictionaries published in 1957-1958 received by the larger Moscow libraries. p.191.
Sergeev, V.N. - Conference on problems of phraseology and problems in compiling a Russian phrase dictionary. p.216.

LIETUVIU KALBOTYROS KLAUSIMAI [PROBLEMS OF LITHUANIAN LINGUISTICS]. Issued by Lietuvos TSR Mokslu akademijos Lietuviu kalbos ir literaturos institutas [Institute of Language and Literature of the Academy of Sciences of the Lithuanian S.S.R.]. Vilnius, vol. 4, 1961.

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: KALBOTYRA. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR: IAzykoznanie [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: LINGUISTICS]. Vilnius, vol. 6, 1963.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES, Studies]. Vol. 17, 1957.

Table of contents translated:
Skorodym, S.A. - V.I. Lenin on the economic and political premises of the October Revolution. p.3.
Pchelko, F.P. - "Soldatskaia Pravda" in the struggle for the masses during the period of the peaceful development of the revolution, from March to July, 1917. p.29.
Zholdak, I.A. - The peasant uprising in the Kharkov Government in 1917. p.59.
Ugriumov, A.L. - The Communist Party as organizer and leader of the October armed uprising. p.87.
Nizhnikov, V.T. - The international background of the October Revolution. p.115.
Metelitsa, L.V. - The Communist Party as organizer of the Union of Soviet Socialist Republics. p.135.
Tarkovskii, D.I. - Economic competition between socialism and capitalism before the Second World War. p.167.
Kobylianskii, K.V. - The influence of the Great October Socialist Revolution on the labor movement in Italy, 1918-1920. p.195.
Bychkov, P.S., Popov, I.V., Sokolov, S.I. - Successes in building socialism in the European people's democracies. p.210.
Semenovich, N.S. - The special way of transition to socialism in the Chinese People's Republic. p.237.
Arturov, O.A. - The Communist Party of China in the struggle for the realization of the first five-year plan. p.250.
Akimenkova, A.I. - M.I.Kalinin's activity in the field of the consolidation of the laboring class and peasantry during the civil war. p.293.
Frai-Vol'naia, S.G. - G.V.Plekhanov's economic heritage. p.300.
Romanova, V.R. - N.G.Chernyshevskii, precursor of the Russian revolutionary social democracy. p.327.

Vol. 23, 1959. Obshchee iazykoznanie, grammatika, leksikologiia i stilistika [General linguistics, grammar, lexicology and stylistics].

Table of contents translated:
Berezin, F.M. - Some problems of general linguistics such as relative chronology and morphologic processes in the linguistic legacy of V.A. Bogoroditskii; from the history of language study in Russia. p.5.
Semeniuk, N.N. - Interrelation of the written and spoken language of the German people during the 15th century; from materials of Nuremberg literary landmarks. p.37.
Shaikevich, A.IA. - Words denoting "right" and "left"; based on comparative analysis. p.55.
Gordon, E.M. - Structure and functions of the absolute construction in the English language. p.77.
Katanskaia, A.R. - On the order of a few prepositive adjectival-attributives in the modern English language. p.103.

Lebina, N.D. - Delimitation of causation, expressed in prepositional-causal phrases, from the object of the preposition by causal inflections of meaning in the English language. p.141.
Lazarkova, N.S. - Polysemy of the singular form of nouns in the Russian and English languages. p.173.
Rogatina, Z.E. - Aspectual inflections added to the word stock of verbs and functions of prefixes in modern German. p.187.
Razam, Z.M. - On the verbal category of restriction. p.199.
Rafeva, A.I. - Copulative verbs in modern German. p.211.

Titova, V.P. - On the so-called undifferentiated usage of tenses in Old French. p.230.
Filipovich, N.I. - Relative subordinate clause in the French language connected with a demonstrative word. p.249.
Zhukova, N.P. - Common language of É. Zola's novel "Germinal." p.259.
Kniazeva, G.IU. - Sources of homonyms in the English language. p.283.
Minina, N.M. - Analysis of some explanatory dictionaries of the German language. p.299.
Nedialkova, T.M. - System organization of verbs of speech in modern German. p.319.
Papandopulo, IU.I. - Development of Latinisms in the word of 16th century French. p.343.
Radugina, T.N. - Lexical and stylistic means employed by Balzac in composing the speech of Grandet, Gobseck, and Father Goriot. p.361.
Rozendorn, T.P. - Role of participle I in enriching the word stock of English. p.377.
Sitnikova, Z.I. - Linguistic nature of some methods of style; on the verse of Aragon. p.393.
Soshal'skaia, E.G. - Stylistic usage of converted verbs in the works of W. Shakespeare. p.423.
Filimonova, I.L. - Characteristics of style in the works of Barbusse. p.447.

ODESSA. UNIVERSYTET. Pratsi. [UNIVERSITY. Transactions]. Vol.152, 1962. Seriia filologichnykh nauk [Series in the Philological Sciences], no.15. Pytannia slov'ianskoi filologii. Movoznavstvo [Problems of Slavic philology. Linguistics].

Table of contents translated:
Medvediev, F.P. - Sources for the mastery of language in Shevchenko's "The bard." p.5.
Oliinyk, I.S. - Language corrections made in various editions of poetry by T.H. Shevchenko. p.20.
Kolomiiets', L.I. - Syntactic functions of verbal adverbs and participial constructions in the Ukrainian poetry of T.H. Shevchenko. p.33.
Zhovtobriukh, M.A. - Some characteristics of vocalism in the poetic language of T.H. Shevchenko. p.44.
Matvieda, A.V. - Formation of compound words in the poetry of T.H. Shevchenko. p.61.
Boiko, M.F. - Lesia Ukrainka, continuer of T.H. Shevchenko's language traditions. p.73.
Tymoshenko, P.D. - Enrichment of the lexicon of literary Ukrainian in the first half of the 19th century; up to the end of the 1850's. p.83.
Moskalenko, A.A. - Origin of the Ukrainian written and written-literary language. p.97.
Tkach, F.IE. - Characteristics of the vocabulary of Ukrainian official documents of the 17th century; decrees and command letters from the Hetman headquarters of Bohdan Chmielnicki. p.112.
Moskalenko, A.A. - Formation of the language of the Ukrainian people and nation. p.129.
Bevzenko, S.P. - Forms of the singular dative-locative case ending in "-ovi" of Ukrainian nouns as compared with modern Slavic languages. p.142.

Moskov, Mosko - Special prefixal system in Slavic languages as applied to Ukrainian. p.149.
Kasim, IU.F. - Determinative subordinate clauses in the "Third Register of the City of Piryatin" from the end of the 17th and beginning of the 18th century. p.156.
Moskalenko, N.A. - From the history of studies on Ukrainian syntax; "Grammar of the Slavonic-Russian language" by I. Mohyl'nyts'kyi. p.169.
Neliubova, L.F. - Constructions with double cases in Russian and Ukrainian documents of the 14th and 15th centuries. p.182.
Savitskaia, S.A. - Forms of the infinitive in modern Slavic languages. p.191.
Bukatevich, N.I. - Some formations from pronominal stems in modern Slavic languages. p.197.
Smol'skaia, A.K. - On the history of one common Slavic pattern of word formation in the Russian language. p.212.
Dmitriev, P.A. - Basic stages in the formation of the Serbo-Croatian national language. p.221.
Pliushch, P.P. - On the book "Origin of the church language of the Slavs" by Václav Hanka; on the 100th anniversary of the death of Hanka. p.229.
Pavliuk, M.V. - Bulgarian studies at Odessa University for the last 100 years. p.236.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.3, 1964.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.14, no.5, May 1964.

VOPROSY IAZYKOZNANIIA [PROBLEMS OF LINGUISTICS]. Issued by Institute iazykoznaniia Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.12, no.6, Nov.-Dec. 1963.

Table of contents translated:
Zhirmunskii, V.M. - Dialectologic atlas of the Turkic languages of the Soviet Union. p.3.
Zakharova, K.F., Orlova, V.G. - Classification of Russian dialects according to data of linguistic geography. p.20.
Illich-Svitych, V.M. - The Altaic dentals: t, d, δ. p.37.
TSiv'ian, T.V. - Description of Modern Greek noun forms by means of analysis and synthesis. p.57.
Slatkovskii, S.I. - Some problems of typological and comparative-historical syntax. p.69.
Kolmogorov, A.N., Prokhorov, A.V. - Use of the "dol'nik" in modern Russian poetry. p.84.
Kondratov, A.M. - Statistical study on the types of Russian rhyme. p.96.
Kotkov, S.I. - Russian personal correspondence of the 17th and 18th centuries as a linguistic source. p.107.
Kumakhov, M.A. - Interrelation of the morphemic structure of the word and word formation. p.117.
Menovshchikov, G.A. - Paleo-Eskimo toponyms in northeastern Siberia. p.121.
Nemeth, J. - Special problems of Turkic linguistics in Hungary. p.126.
Neverov, S.V. - One trend of linguistic study in Japan. p.136.
Bulygina, T.V. - "Problems of Marxist linguistics." p.140.
Lekomtseva, M.I., Revzin, I.I., Shur, S.M. - "Proceedings of the Fourth International Congress of Phonetic Sciences." p.144.
Maitinskaia, K.E. - "Grammar of modern Hungarian." p.148.

Baskakov, N.A., Sarybaev, Sh.Sh. - New national dictionaries. p.151.
Red'kin, V.A. - H.A. Sheliuto's book "Russian accentuation." p.154.
Panfilov, V.Z. - Letter to the editor. p.156.
Brief news. p.158.
Books, periodicals, and brochures received by the editors. p.172.
Index of articles published in the periodical "Voprosy iazykoznaniia" for 1963. p.173.

VOPROSY KUL'TURY RECHI [PROBLEMS IN SPEECH CULTURE]. Issued by Institut russkogo iazyka Akademii nauk SSSR [Institute of the Russian Language of the Academy of Sciences of the U.S.S.R.]. Moscow, no.4, 1963.

Table of contents translated:
From the editor. p.3.
Grigor'ev, V.P. - Speech culture and language policy instead of a review of K.I. Chukovskii's book. p.5.
Alekseev, D.I. - Pronunciation of literal abbreviations and those that combine several words. p.22.
Makharoblidze, G.A. - Characteristics of Russian pronunciation in Georgia; based on the speech of philology students. p.38.
Andreev, N.D. - An experiment in the field of Russian orthoepy. p.49.
Itskovich, V.A. - The accent in Russian surnames. p.53.

IAnko-Trinitskaia, N.A. - The adjective "Kachestvennyi" in the Russian language. p.66.
Zemskaia, E.A. - Adjectives with the prefix "okolo-." p.76.
Lopatin, V.V. - Words ending in "rama" in the Russian language. p.81.
Vomperskii, V.P. - Compound words with the root "kost." p.97.
Zemskaia, E.A. - A new model of phraseological combination. p.104.
TSeitlin, R.M. - An old error in the use of the words of "nadet'" and odet'." p.110.
Bel'chikov, IU.A. - Russian-foreign lexical pairs "demonstratsiia - pokaz." p.120.
Kalakutskaia, L.P. - Unsolved problems of the spelling of passive past participles. p.128.
Kuznetsova, L.N. - Orthoepic notes on the Central Children's Theater. p.138.
Kuz'mina, S.M. - "Boris Godunov" on the stage of the Central Children's Theater. p.144.
Leont'ev, A.A. - The spelling of foreign names. p.154.
"Oboima." p.157.
Second birth of the word "ul'tra." p.161.
"Traktorist, traktoristka." p.164.
"Bedolaga." p.167.
Government with the word "nekrolog." p.170.
"Oplatit'." p.175.
Form of the comparative degree of the adjective "khlestkii." p.179.
"Átomnyi-atómnyi." p.185.
"Van Kliburn or Ven Klaiborn?" p.186.

b. LITERATURE & FOLKLORE

BAIKAL. Organ of Soiuz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.]. Ulan-Ude, vol.10, no.2, Mar.-Apr. 1964.

DILA [MORNING]. Issued by TSentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii iunykh pionerov im. V.I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, nos.4-5, Apr.-May 1964. [In Georgian]

DNIPRO [DNIEPER]. Organ of TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol.38, no.5, May 1964

DON. Organ of Rostovskoe oblastnoe otdelenie Soiuza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R.S.F.S.R.]. Rostov Province Branch of the Association of Writers of the R.S.F.S.R.]. Rostov-on-Don, vol.8, nos.5-6, May-June 1964.

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, no.4(153), Apr. 1964. [In Georgian]

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos.4-5, 1964.

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos.1-12, Jan.-Dec. 1962; nos.1-8, 10, 12, Jan.-Aug., Oct.-Dec. 1963; nos.4-5, Apr.-May 1964.

IUNOST' [YOUTH]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol.10, no.5, May 1964.

KHOTUGU SULUS [STAR OF THE NORTH]. Yakutsk, no.2, 1964. [In Yakut]

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.25, no.3, May-June 1964.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, no.4, Apr. 1964.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol.8, no.4, Apr. 1964.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol.22, no.2, Mar.-Apr. 1964.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no.5, May 1964. [In Estonian]

MOLODAIA GVARDIIA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no.5, May 1964.

MOSCOW. UNIVERSITET. Vestnik. Seriia 7: Filologiia, zhurnalistika [UNIVERSITY. Review. Series 7: Philology, Journalism]. Vol.19, no.1, Jan.-Feb. 1964.

Table of contents translated:
The Soviet press observes the 400th anniversary of Russian book printing. p.3.

Cherepakhov, M.S. - Tendencies in the formation of genres in Soviet journalism; introductory remarks. p.23.
Sulimov, K.N. - Party character of the press and the journalist's world outlook. p.37.
Zatsa, M.V. - On the language of radio broadcasts; a stylistic analysis. p.53.
Kostova, L.B. - Salinger's novel "The catcher in the rye" and its translation into Russian. p.68.
Gur'ianov, V. - Historical and literary remarks on Pushkin; the first editions of the poet's works published in Moscow. p.82.
To have closer ties with life! (conclusions of the Conference on Problems of Journalism). p.85.

Vol.19, no.2, Mar.-Apr. 1964.
Table of contents translated:
Samarin, R.M. - Studying the works of W.Shakespeare in the U.S.S.R. p.3.
Kravtsov, N.I. - Historico-comparative study of Slavic literatures. p.16.
[illegible], E. Z. - Problems of literary criticism discussed at the 5th International Congress of Slavists. p.30.
Volkov, A.G. - Theoretical bases of F. de Saussure's dichotomous hypothesis of "language and speech." p.40.
Selivanov, F.M. - Bylina text compared to the song about Ivan the Terrible and his son (or song). p.51.
Ivanova, K.A. - Phraseology and parts of speech. p.67.
Sheliakin, M.A. - Iterative-qualitative meaning of verbs in Russian. p.78.
Afonov, K.A., Davydov, M.V. - Does the "broad" international system of phonetic transcription correctly illustrate modern English pronunciation? p.89.
Belza, S. - Our great Javanese translator. p.93.

MOSKVA [MOSCOW]. Organ of Soiuz pisatelei RSFSR i Moskovskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Moscow Branch of the Association of Writers]. Moscow, vol.8, no.5, 1964.

NASH SOVREMENNIK [OUR CONTEMPORARY]. Organ of Soiuz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, nos.4-5, Apr.-May 1964.

NEMAN [NEMAN RIVER]. Organ of Soiuz pisatelei BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol.17, no.3, May-June 1964.

NEVA. Organ of Soiuz pisatelei RSFSR and Leningradskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad Branch of the Association of Writers]. Leningrad, nos.4-5, 1964.

NISTRUL [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S.S.R. Kishinev, vol.33, nos.4-5, 1964. [In Moldavian]

NOVYI MIR [THE NEW WORLD]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol.40, no.5, May, 1964.
Table of contents translated:
Shevchenko, Taras - (The 150th anniversary of Taras Shevchenko's birth) Testament. p.3
Bazhan, M. - Great bard of the Ukraine. p.5.
Rozov, V. - On the wedding day; drama in three acts. p.10
Hikmet, Nazim - [illegible] unpublished verse (translated from the Turkish by M. Pavlova). p.55
Lipatov, Vil' - Mirage, tale. p.73
Marshak, S. - Lyric epigrams. p.132
Gorbatov, A.V. - Years and wars, recollections. p.133
[illegible], A. - At the Votkinsk Hydroelectric Power Station, notes of a [illegible]. p.157
Vinogradskaia, Polina - Jenny Marx, from her letters. p.170.
Shklovskii, V. - Four hundred years of Russian books. p.190.
[illegible], Iu. - Defender of the fields. p.194.
[illegible], A. - Art of the true story. p.213.
[illegible], F. - Man and his affairs. p.222.
Literature and art:
[illegible], E. - Portraits and reflections. p.230.
[illegible], Sergei. - Sources of courage. p.241.
Baranov, V. - In the name of friendship. p.244.
Sarnov, B. - Maturity. p.246.
Papernyi, Z. - In the language plan and the analytical approach. p.250.
Kamenskii, A. - The writer and the history of painting. p.253.
Rodnianskaia, I. - "Writing truth." p.258.
Politics and science:
Strumilin, S.G. - The world of capitalism and socialism in figures. p.263.
[illegible], Gn. - A great factor in agricultural progress. p.267.

[illegible], IA. - Reflections on our science. p.269.
Mindlin, I. - Against the philosophy of anticommunism. p.271.
[illegible], L. - The value of a map. p.273.
Brief notes on books. p.276.
New books. p.287

POLYMIA [FLAME]. Organ of Saiuz pis'mennikau BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol.42, no.5, May 1964.

PRAPOR, literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER, Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Khar'kov, no.5, 1964.

PROSTOR [WIDE OPEN SPACES]. Organ of Soiuz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol.31, no.5, May 1964.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelian A.S.S.R. Petrozavodsk, vol.21, no.2, 1964. [In Finnish]

RADIANS'KE LITERATUROZNAVSTVO [SOVIET LITERARY REVIEW]. Organ of Instytut literatury im. T.H. Shevchenka Akademii nauk URSR and Spilka pys'mennykiv Ukrainy [Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S.S.R. and the Association of Writers of the Ukraine]. Kiev, vol.8, no.2, Mar.-Apr. 1964.

Table of contents translated:
[illegible] quality of our work. p.3.
[illegible], O., and others. - Replies to our questionnaire: "Shevchenko in my life." p.12.
Kyryliuk, IE.P. - Creation of a poet. p.22
[illegible], M.I. - In the family of the free and new. p.31.
[illegible], M.P. - Poetry of T.H. Shevchenko for revolutionary [illegible]. p.48.
[illegible], T.M. - Literary [illegible] of [illegible], and [illegible]. p.61.
[illegible], F.P. - [illegible]. p.61.
Sheludko, V.H. - Through the pages of the tale "Artist". p.72.
Pavliuk, M.M. - Works of Shevchenko as translated by early [illegible] poets. p.82.
[illegible], A.I., [illegible], K.M. - [illegible]. p.90.
[illegible], P.M. - Works of T.H. Shevchenko [illegible]. p.102.
[illegible], P.F. - [illegible] "[illegible]" of the [illegible]. p.109.
[illegible], F.P. - Critical [illegible] views of Taras Shevchenko. p.114.
[illegible], P.M. - [illegible] and [illegible]. p.119.
[illegible], V.S. - Newly found books of T.H. Shevchenko. p.128.
[illegible], M.D. - Notes about a national epic. p.133
[illegible], O.S. - New aspects of research. p.134
[illegible], N.S. - [illegible] the poem in memory. p.137.
[illegible], S.M. - Mikhail [illegible]. p.138
[illegible], V.M. - Words of our bard in these [illegible]. p.143.
[illegible], M.M. - [illegible] and [illegible]. p.144.
[illegible], P.K. - Bibliography of literature on Shevchenko. p.150.
[illegible], S.V. - Bibliography of translations and studies on T.H. Shevchenko, 1939-1963. p.159.
On the 150th anniversary of the birth of T.H. Shevchenko. p.163.

RADUGA [THE RAINBOW]. Organ of Pravlenie Soiuza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol.14, no.5, May 1964.

RUSSKII IAZYK V NATSIONAL'NOI SHKOLE [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, no.2, 1964.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol.32, no.5, May 1964. [In Uzbek].

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan. Dushanbe, no.4, Apr. 1964. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soiuz pisatelei RSFSR and Novosibirskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol.43, no.5, May 1964.

SOVET EDEBIYATY [SOVIET LITERATURE]. Organ of Soiuz pisatelei Tatarii [Association of Writers of Tataria]. Kazan, vol.43, no.4, Apr. 1964. [In Tatar]

SOVET EDEBIYATY [SOVIET LITERATURE]. Organ of Soiuz pisatelei Turkmenskoi SSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no.4, Apr. 1964. [In Turkmen].

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Erevan, no.4, 1964. [In Armenian]

SOVETSKAIA LITERATURA I FOL'KLOR BURIATII [SOVIET LITERATURE AND THE FOLKLORE OF BURIATIA]. Issued by [illegible] [Buriat [illegible] Institute [illegible] Academy of Sciences of the U.S.S.R. and the Buriat Scientific Research Institute]. Ulan-Ude, no.2, 1963.

Table of contents translated:
[illegible], G.O. - Basic trends in Soviet Buriat poetry. p.3.
Dugar-Nimaev, Ts.-A. - Prose gathers strength. p.13.
[illegible], E.V. - Contemporary Buriat children's literature. p.29.
[illegible], I.A. - Reflection of patriotism and internationalism of Soviet people in lyric poetry (with material of Buriat poetry written during the Great Patriotic War). p.78.
[illegible], A.I. - The "Uligers" in Buriat literature. p.94.
[illegible], S.P. - Some remarks on the [illegible] of Buriat [illegible]. p.117.
[illegible], V.M. - [illegible]. p.134.
[illegible], I.A. - [illegible] of the [illegible]. p.165.
[illegible], V.Sh. - [illegible]. p.193.
[illegible], I.V. - [illegible]. p.211.
[illegible], Ts.-A. - [illegible]. p.234.
[illegible], I.I. - [illegible]. p.241.
[illegible], M.P. - [illegible] "[illegible]". p.253.

[illegible]. Moscow, vol.4, nos.5-6, May, July 1964.

[illegible]. Issued by the Association of Soviet Writers [illegible], no.2, Mar.-Apr. 1964. [In [illegible]]

[illegible]. Issued by [illegible] [Association of Writers of the [illegible]]. [illegible], vol.7, no.5, May 1964.

[illegible]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Kiev, vol.17, no.5, May 1964.

[illegible] [CONTEMPORARY ALMANAC]. Moscow, no.5, 1964.

[illegible]. Paris, no.150, June 1964.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no.4, Apr. 1964. [In Kazakh]

ZNAMIA [THE BANNER]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.], Moscow, vol.33, no.12, Dec. 1963.
Table of contents translated:
Vanshenkin, Konstantin. - From new verses. p.3.
Martynov, Leonid. - Field, verses. p.8.
[illegible], Georgii. - My native village, a documentary tale. p.12.
Aliger, Margarita. - Verses from afar. p.73.
Semenov, Georgii. - Swans and snow; a story. p.81.
Tat'iancheva, Liudmila. - Two poems. p.88.
[illegible], Il'ia. - A soldier and a commander; verses. p.89.
[illegible], Frank. - They gave her a cake. p.109.
[illegible], Leonid. - Deliverance from [illegible]. p.123.
Orlov, Vladimir. - Hundred variations on a theme of an old tale (conclusion). p.134.
Mikhailov, Al. - Poetry of moral substance. p.179.
Palievskii, P. - On structuralism in literary criticism. p.189.
[illegible], N. - [illegible] poems of [illegible]. p.199.
[illegible], Vera. - Stories about "little pages." p.205.
[illegible], Aleksandr. - Book about the father. p.211.
[illegible], V. - Simple and sincere stories. p.213.
[illegible], V. - Barriers of [illegible]. p.215.

Lagina, N. - If you have been called courageous.... p. 214.
Baldzevich, V. - Most cherished. p. 215.
Genina, M. - Always on the road. p. 216.
Vainshtein, G. - About work and friendship. p. 216.
Tralenko, M. - Without loud words. p. 217.
Kireeva, A. - Unexplored route. p. 217.
Nendrovskaia, O. - The very same stars shine upon us. p. 218.
Vasil'eva, N. - May you be successful, good people! p. 218.
Polikarpov, S. - May this happen more often! p. 219.
Contents of the periodical "Znamia" for 1963. p. 220.

Vol. 34, no. 4, Apr. 1964.
Table of contents translated:
Zaglada, Nadezhda. - I want to talk about life, about myself, and about Khrushchev. p. 3.
Grashi, Ashot. - Ballad of Lenin and Prisoner No. 42. p. 19.
Bokov, Viktor - I saw Russia; verse. p. 18.
Simonov, Konstantin. - Soldiers are made, not born; book two of a novel (to be continued). p. 20.
Triapkin, Nikolai. - Winds which blew past; verse. p. 60.
Shtein, Aleksandr. - A tale about how plots originate (to be continued). p. 65.
Krivitskii, Aleksandr. - Typical military man (conclusion). p. 105.
Updike, John. - Correspondence. p. 129.
Taurin, F. - Bright oil. p. 132.
Viktorov, V. - At the Olympics. p. 148.
Beniukh, Oles', Singh, Dargan. - Journey to Punjab (conclusion). p. 161.
Rubakin, A.N. - Amid books. p. 170.
The party and literature. p. 187.
Zhukov, IUrii. - Story about motion pictures grown dumb; article four of polemic remarks. p. 195.
Grinberg, I. - Courage of a builder. p. 222.
Medvedev, Bor. - A talk with Comrade Lenin. p. 235.
Krakhmal'nikova, Zoia. - Journey to the Shore of Winds. p. 241.
Shubin, A. - Pages of Leniniana. p. 248.
Skorino, L. - Short cycle of verse. p. 249.
Mikhailova, L. - Memory of an artist. p. 250.
Dymshits, Al. - Lyrics of deliberation. p. 252.
In a few lines. p. 253.

Vol. 34, no. 5, May 1964.
Table of contents translated:
Sluckis, Mikolas. - Stairway to the sky; novel. p. 3.
Vanshenkin, Konstantin - From lyrics; verse. p. 73.
Simonov, Konstantin - Soldiers are not born; novel (conclusion). p. 79.
Rylenkov, Nikolai - Under a starry firmament; verse. p. 123.
Belinskii, IAkov - En route; verse. p. 126.
Stein, Aleksandr - A tale about how a plot was found (continuation). p. 130.
Beniuk, Mikhail - A talk with the times; verse. p. 145.
De Bruin, Günther - "Fedezen." p. 149.
Shurtakov, Semen - Where the Pechora flows. p. 159.
Latynina, Larisa - A little about happiness. p. 172.
Charnyi, M. - Maiakovskii in our newspaper. p. 186.
Levin, F. - Visiting Aseev. p. 204.
Chalunaev, V. - The philosophy of great deeds. p. 210.
Poltoratskii, Viktor - Landmarks of a great career. p. 223.
Genina, Mariia - "Join in the labor of my republic." p. 226.
Prikhod'ka, Vladimir - The road is long as before. p. 229.
Drobyshev, Vl. - Awakened Siberia. p. 234.
Trifonov, N. - Twenty thousand entries. p. 237.
Beliaev, Vladimir - Army Commander IAkir. p. 239.
Lagina, N. - On liberated land. p. 242.
Knipovich, E. - Poet of courage and wrath. p. 243.
Vasil'eva, N. - Always from the beginning. p. 244.
M.S. - With the heat and passion of the fighter. p. 245.
Latynina, Alla - Resplendence and generosity. p. 245.
Glezer, A. - Encounter with Georgia. p. 246.
Babenysheva, S. - The little boat sets sail. p. 247.
Moldavskii, Dm. - A young and festive world. p. 248.
In a few lines. p. 250.
Published works. p. 255.

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Leningrad, no. 5, May 1961.

Table of contents translated:
Appeal of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U.S.S.R., and the Government of the Soviet Union. p. 3.
L'vov, Vladimir. - We and outer space. p. 8.
Gusev, V. - Lake Baikal lies before us. p. 163.
Vladimirov, D. - Moscow, 1967. p. 176.
Arenin, Ed. - At the crossroads of history. p. 177.
Karyshev, O. - Books of a noteworthy fate. p. 178.
TSimbal, S. - One hundred and twenty-five seasons. p. 179.
Ternik, E. - Wild boars near Leningrad. p. 181.
Moldavskii, D. - Man scattering sunshine. p. 182.
Messer, R. - The writer and the spiritual life in the village. p. 191.
Gubko, N. - At the sources. p. 199.
Urban, A. - Poetry and journalism. p. 202.
Zyrin, A. - "Time behind us" by Pavel Luknitskii. p. 206.
Zolomnitskii, D. - "Young avengers" by Grigorii Nabatov. p. 206.
Popov, M. - "Azov" and "Siege of Azov"; novels by Grigorii Miroshnichenko. p. 207.
Druzhinina, N. - "Adventures of Pet'ka Zulin" by Georgii Nikulin. p. 208.
Mikhailov, Igor'. - "Beautiful sun" by Boris Ruch'ev. p. 208.
Balavin, A. - "Lyric poetry" by Maro Markarian. p. 209.
Rabinovich, G. - "Balzac" by B.G. Reizov. p. 210.
Manuilov, V. - "Pushkin in the letters of the Karamzin family, 1836-1837. p. 210.
Dukovich, B. - "History and literature" by G. Lenobl'. p. 211.
Karnaukhova, G. - "The bridge" by Manfred Gregor. p. 212.

No. 11, Nov. 1961.
Table of contents translated:
Uzilevskii, V. - Stories on the communist Artsibasov. p. 165.
Szczypiorski, Andrzej. - Fathers of an epoch. p. 174.
Il'in, I. - Right by the blue sea. p. 189.
Kondratov, A. - Competition in an electronic machine. p. 190.
Vladimirova, A. - Chauffeur from Smol'nyy. p. 191.
Kunitsyn, E. - "Russian captain wins suit." p. 192.
Slaventantor, D. - Life is everywhere. p. 194.
El'iashevich, A. - Source of joy and inspiration. p. 201.
Fomenko, L. - There was no end result. p. 207.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soiuz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol. 32, no. 5, 1964.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

AKADEMIIA NAUK SSSR. Institut etnografii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Ethnography. Transactions]. Moscow, vol. 84, 1963. Sibirskii etnograficheskii sbornik [Siberian ethnographic papers], vol. 5.

Table of contents translated:
Editorial. p. 3.
Tugolykov, V.A. - Evenki in the Khantayka Valley. p. 5.
Vasil'ev, V.I. - The forest Entsy. p. 33.
Gurvich, I.S. - Russians in northeastern Siberia in the 17th century. p. 71.
Dolgikh, B.O. - Origin of the Dolgans. p. 92.
Smoliak, A.V. - Composition, origin and distribution of the Olcha tribes. p. 142.
Simchenko, IU.B. - The "Great Day" holiday among the Nganasany in the Avam Valley. p. 168.
Sokolova, Z.P. - Materials on dwellings, farm houses and buildings for worship of the Ugrians in the Ob' Valley. p. 182.

NARODNA TVORCHIST' TA ETNOGRAFIIA [FOLK ART AND ETHNOGRAPHY]. Issued by Instytut mystetstvoznavstva, fol'kloru ta etnografii Akademii nauk URSR and Ministerstvo kul'tury Ukrains'koi RSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S.S.R. and the Ministry of Culture of the Ukrainian S.S.R.]. Kiev, Vol. 6, no. 2, Apr.-June 1962.

Table of contents translated:
Sydel'nykov, V.M. - Soviet peoples praise Lenin. p. 3.
Vasyl'onok, S.I. - Principal problems of the study of folk art. p. 7.
Hordiichuk, M.M. - Special features and problems of the study and collection of Ukrainian folk songs. p. 15.
Gusev, V.E. - Russian folklore of the Great Patriotic War. p. 27.
Komarov, A.M. - Origin of "Oktiabriny" (secular baptism) and "red weddings" in the White Russian S.S.R. p. 37.
Zolochevs'kyi, V.N. - How folk music has influenced the harmony of Soviet Ukrainian composers. p. 43.
Murzina, O.I. - Artistic characteristics of the folk music of Ukrainian dances. p. 53.
Kazymirov, O.A. - Amateur theatricals of Ukrainian workers in the early 20th century. p. 61.
Fil'ts, B.M. - P.O.Kozyts'kyi's arrangement of Ukrainian folk songs for choral singing. p. 67.
Shumada, N.S. - Contacts between Ukrainian and Bulgarian folklorists in the first half of the 19th century. p. 79.
Kuven'ova, O.F. - Organization of public and cultural services performed by nonsalaried personnel. p. 87.
Mironov, V.V. - New trends in the domestic relations of the miners of the "Gigant" Coal Mine. p. 92.
Kosaryk, D.M. - A wedding of the Communist Youth League members on a collective farm in the village of Rozkvit in Odessa Province. p. 97.
Tolochko, P.P. - Manufacture of cloth for "plakhta" skirts in the Soviet Ukraine. p. 101.
Min'kivs'kyi, O.Z. - The forms of present-day banduras. p. 106.
Statyva, O.F. - A skilled wall decorator from the village of Petrikovka. p. 109.
Kolesova, V.P. - Proverbs and sayings in Klymentii Zinov'iev's poems. p. 112.
"We are building communism and marching toward a happy life"; new record of Soviet folk poetry made by the correspondents of our periodical; selected and supplemented by an introductory note by IA.P.Solodchenko. p. 117.
"The new and the old"; works of A.E.Sukhovets'ka, a folk storyteller, collected by Professor H.M.Volkov; selected and prepared for publication by A.R.Volkov. p. 121.
Spring songs of Podolye; recorded and supplemented by an introductory note by I.P.Hnatiuk; the recording and interpretation of melodies by Z.I.Vasylenko. p. 131.
Honchar, O.I. - H.F.Kvitka-Osnov'ianenko's studies of Ukrainian folklore and ethnography. p. 137.
Pohrebennyk, F. - A collection of Ukrainian folk ballads. p. 144.
Stol'makh, H., Prykhod'ko, M. - An interesting book on rural architecture. p. 146.
Naulko, V. - "The peoples of Africa," an ethnic map. p. 149.
Pravdiuk, O. - Work of the Institute of Art, Folklore and Ethnography of the Academy of Sciences of the Ukrainian S.S.R. in 1961. p. 151.
Vyshnevs'kyi, B. - A conference of several institutions of geographical research on demography of the Soviet population. p. 152.
Anatol's'kyi, O. - A conference of young scholars. p. 153.
Lupii, D. - A study group of the amateur painters of Kiev Province. p. 153.
Huts', M. - Concerts of the "Vesnianka" Choir in Saratov and Moscow. p. 154.
Dovhonos, A. - Folklorists of the Rumanian People's Republic. p. 155.
Moroziuk, V. - Evening discussions of the problem "He who does not work shall not eat." p. 157.
Khokhol, IU. - Friendly cooperation of ethnographers and architects. p. 157.
Avram Hreben', a lyrist. p. 159.

Vol. 7, no. 1, Jan.-Mar. 1963.
Table of contents translated:
TSalai-IAkymenko, O.S. - T.G.Shevchenko's "My last will" as a people's revolutionary song. p. 3.
Fedosyk, A.S. - Atheistic motifs in prerevolutionary and contemporary White Russian folklore. p. 12.
Fil'ts, B.M. - Special features of tune structure and harmony in the choral folk song adaptations of Soviet composers. p. 19.
Krasyl'nyk, M.V. - Proverbs and sayings in M.A. Sholokhov's novel "Virgin soil upturned." p. 27.
Lysak, M.S. - The use of folk satire in O.E.Korniichuk's dramatic works. p. 34.
Kravchuk, Petrov - Revolutionary songs of the Ukrainian worker immigrants to Canada. p. 41.
Dovzhenko, V.D. - Folklore basis of S.S.Gulak-Artemovskii's opera "A Zaporogian Cossack beyond the Danube." p. 49.
Skrypka, V.M. - The composition of Ukrainian, Czech, and Slovak lyric folk songs. p. 57.
Myshko, D.I. - Village communities in the Ukraine. p. 62.
Mironov, V.V. - Public consumption funds and their role in the mode of life of miners in the Krivoy Rog Basin. p. 70.
Dubina, M.I. - Songs born in struggle. p. 72.
Lavrov, S.G. - Pages from the history of the friendship of the peoples of the Komi A.S.S.R. and the Ukraine. p. 77.
Sinchenko, G.I., Serediuk, I.P. - Folklore collecting and publishing in Bukovina. p. 83.
Komarova, L.D. - Prerevolutionary embroidery in the Kiev region. p. 86.
Tazykhina, L.V. - The Russian national costume from the second half of the 19th century to the early 20th century. p. 90.
Okhrimenko, P.P. - Ukrainian songs in three White Russian handwritten folklore compilations. p. 97.

Zabochen', M.S. - Ambrosii Zhdakha, illustrator of Ukrainian folk songs. p. 100.
IAremenko, P.K. - Folklore in Khristofor Filalet's "Apokrisis." p. 106.
Pravdiuk, O.A. - New compilations of folk songs based on Shevchenko's poems. p. 111.
Zilynskyi, Orest. - Form of verses of old Ukrainian folk songs about Voivode Stepan. p. 116.
IAshchenko, L.I. - Spring feast in Manuil'skiy District. p. 124.
Khudoleev, V.M. - Folk songs in Ukrainian dramatic works of the second half of the 19th century. p. 130.
Poritskyi, A. - A book on the life and living conditions of the Soviet peasantry in the partisan regions and zones. p. 134.
Kabashnikov, K. - Words of popular wisdom. p. 136.
Volkov, A., Sadovnik, Sh. - A collection of Moldavian folk poetry. p. 138.
Zinych, V. - New publications of the Slovak National Museum. p. 140.
The Fifth Ukrainian Conference on Slavic Studies. p. 143.
Muromtsev, I. - The Second Ukrainian Conference on Onomastics. p. 145.
Perlovich, V., Vendrov, M. - The All-Union Amateur Motion-Picture Review. p. 147.
Khaletskyi, V. - A holiday of young talent of the Kiev region. p. 148.
Mikhno, O. - Among the folklorists of the Lugansk Teachers College. p. 150.
Rudnyk, V. - Shevchenko's countrymen are singing. p. 150.
Nosov, L. - Celebration of M. V. Lysenko's anniversary. p. 151.
IArynych, V. - An exhibition of scholars' paintings. p. 153.
Germakievs'kyi, I.M. - Expand the use of national traditions in present-day holiday celebrations. p. 154.
Akymenko, F. P. - Studies of folklore and local history materials. p. 156.
G. T. Tantsiura; an obituary. p. 158.

Vol. 8, no. 1, Jan.-Feb. 1964.
Table of contents translated:
Applying Lenin's principle of scientific research to practice. p. 3.
Bysykalo, S.K. - Motives on the building of communism in folk literature. p. 9.
Shcherbak, V.A. - Features of an immortal image. p. 14.
Kravtsov, T.S. - Ukrainian folk polyphony in the works of A. Shtoharenko. p. 24.
IAtsenko, M.T. - V. Hnatyuk on the social and historical function of folk poetry. p. 34.
Pylypchuk, R.IA. - The Ukrainian amateur theater in Bukovina from the second half of the 19th to the early 20th century. p. 43.
Shumada, N.S. - M.S. Drynov's folklore research in the Ukraine. p. 49.
Rudnik, V.A. - A cosmic wedding. p. 57.
Buhaevych, I.Z.- Kostiantyn IAtsyk, a modern folk kobza player. p. 60.
Vynohrads'kyi, IU.S. - Reminiscences of the kobza players and lyrists of the Mena District in Chernigov Province. p. 64.
Budzhan, A.F. - The wood-carver Iosyf Stan'ko. p. 66.
Ravchuk, H.R. - The folklore and ethnographic materials of the Ostroh Museum of Local History. p. 69.
Bachynskyi, A.L. - Folk songs collected by A.I. Markevych. p. 71.
Folk songs to words by T.H. Shevchenko. p. 74.
M.I. Pavlik's letter to M.V. Lysenko. p. 77.
Lyric and comic songs of Bukovina. p. 79.
Kushnarenko, D.O. - "Kolomyika" in M. Kotsiubyns'kyi's novel "Shades of forgotten ancestors." p. 84.
Lavrov, S.H. - Philosophical and methodological aspects of some problems of Soviet folklore studies. p. 91.
Lobko, M.S. - A collection of songs for kobza players. p. 95.
Samarin, H.O. - A valuable textbook for philologists. p. 95.
Skrypka, V.M. - Czech and Slovak workers' ballads. p. 96.
Marchenko, M.H. - A useful bibliographical index. p. 98.
Kitova, S.A. - The Shevchenko Festival in Ostroh. p. 100.
Zinych, V.T. - Ukrainian scholars at the Seventh International Congress of Anthropology and Ethnography. p. 101.
Plachynda, V.P. - A seminar for directors of the district cultural centers. p. 103.
Kelembetova, V.IU. - The Ukrainian seminar for women lecturing on atheism. p. 104.
Korpusova, V.M. - First monument erected on the ancient site of primitive men. p. 105.
Zlotnyk, I.S. - Amateurs collect local history and folklore materials on Shevchenko. p. 106.
Moroziuk, V.K. - History of one monument. p. 108.
Lohozha, S.M. - A summer blossom festival. p. 108.
Nedoboi, M.I. - The ethnographic exposition of the Tul'chin Museum of Local History. p. 108.
Marinescu, I.I. - Ethnographic museums of Transylvania. p. 110.

b. GEOGRAPHY

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geograficheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no. 2, Mar.-Apr. 1964.
Table of contents translated:
Gerasimov, I.P. - Main trends in the science work of Academician A.A. Grigor'ev. p. 3.
Budyko, M.I. - A.A. Grigor'ev's studies and the paths of developing physical geography. p. 6.
Armand, D.L. - Landform geophysics. p. 12.
Evteev, S.A., Lazukov, G.I. - Role of glacial isostasy in the crustal movements of the regions of recent and ancient glaciation. p. 24.
Gal'tsov, A.P. - Dependence of precipitation in the mountains of Central Asia from the irrigation of piedmont plains. p. 37.
Kuvshina, K.V. - Changes in the precipitation following the total utilization of the Amu Darya waters for irrigation purposes. p. 45.
Kornilov, B.A., Il'ina, L.P., Pavlova, E.I. - Forecast of changes in natural conditions in connection with reservoir construction; using the example of the Volkhov Hydroelectric Power Station. p. 50.
Dzhaoshvili, V.Sh. - Developing small urban settlements and limiting the growth of large cities; from practice in urban development in Georgia. p. 60.
Gokhman, V.M., Karpov, L.N., Kovalevskii, V.P. - Latest forecasting works on ensuring the productive forces of the U.S.A. and Canada with natural resources. p. 69.
Gedeonov, A.D. - Anomalies of the average monthly temperature of the air in connection with climatic fluctuations in the Northern Hemisphere. p. 81
Zakharina, D.M. - Geographical aspects of research and planning in the labor resources of Krasnoyarsk Territory. p. 93.
Kleiner, IU.M., Pleshcheev, I.S. - Origin of the sandy massifs of northern Ustyurt. p. 99.
TSegmid, Sh. - Landforms of Mongolia; using the example of the Kentei Mountain region and the East Mongolian elevated plain. p. 102.
Shevchenko, E.IA. - Radial heat exchange in the lowest air stratum in the Vorkuta region. p. 107.
Shimanovskii, L.A. - Clastokarst of the Yuryuzan'-Sylva Depression. p. 110.
Shcherbakov, M.P. - Role of meteorological factors in the development of a snow mass. p. 115.
Afanas'eva, E.L., and others. - Comprehensive synchronous limnological studies of Baikal waters. p. 120.
Volkov, N.G. - Method for the tectonic analysis of longitudinal river profiles. p. 125.
IAnvareva, L.F. - Method for mapping the world agricultural maps. p. 133.
Likhanov, B.N. - The All-Union conference on the problems of studying and mastering of the taiga. p. 140.
Chebotareva, N.S. - International paleontological colloquium on the Pleistocene, and geomorphological excursion through the territory of the German Democratic Republic. p. 147.
Udintsev, G.B. - Problems of the geomorphology and tectonics of the ocean bottom at the 13th General Assembly of the International Union of Geodesy and Geophysics. p. 152.
Serebriannyi, L.P. - Geography of the Quaternary of the Baltic Sea region. p. 157.
Kibal'chich, O.A. - A needed monograph on economic relations. p. 160.
D. L. - Celebration in honor of Academician A. A. Grigor'ev. p. 163.
Velichko, A.A. - Conference on utilizing the natural resources of the "left bank" Ukraine. p. 164.
Neishtadt, M.I. - Tanfil'ev lectures in Odessa. p. 166.
Semevskii, B.N. - Geographical conferences in Havana. p. 168.
Rostovtsev, M., Khorev, B. - Conference of geographers and economists in Tallinn, November 26-30, 1963. p. 169.
Formozov, A.N. - Third All-Union Conference on Land Zoogeography. p. 171.
Avsiuk, G.A., and others. - In memory of G.A. Ushakov. p. 173.
Letters to the editor. p. 174.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol. 96, no. 1, Jan.-Feb. 1964.
Table of contents translated:
Voronov, P.S. - Analysis practice in the correlation of areas, heights and denudation rate of continents. p. 3.
Mil'kov, F.N. - Development of present-day landform complexes. p. 14.
Baranova, A.I. - Erosional processes on the right bank of the Volgograd Reservoir and aerial methods for studying them. p. 23.
Medvedev, P.M. - The Kuzomen' moving sands and measures for fixing them. p. 30.
Gol'denberg, L.A. - The first atlas of "maps"-delineations of Siberia. p. 39.
Maksimov, E.V. - Some features of the present-day glaciation of the Alamedin Basin, Kirghiz Ala-Tau. p. 46.
Gal'tsev-Beziuk, S.D. - Submarine valleys of the northeastern coast of Sakhalin. p. 49.
Drozd, V.V. - Karst phenomena in White Russia. p. 54.
Kashtanov, S.G. - A recent karst sink. p. 57.
Zykov, I.V. - What changes take place in the Tret'yakovo Lake? p. 57.
IUshkin, N.P. - Clay pebbles and their formation. p. 60.
Klimentov, L.V. - What are the flood lands? p. 64.
Ranov, V.A. - Petroglyph traces on the Kurteke cliff. p. 67.
Fomenko, V.G. - Turkic elements in the toponymy of Zaporozh'ye Province. p. 70.
Fomenko, V.G. - Letter to the editor. p. 73.
Koblents, IA.P. - New maps of Antarctica. p. 74.
Semevskii, B.N. - "Methodological problems of economic geography," edited by P.M. Alampiev, IA.G. Feigin. p. 76.
Shaskol'skii, I.P. - "Historical and geographical studies of the trans-Onega Lake region of the 16th-17th centuries; from the history of rural settlements" by M.V. Vitov. p. 78.
Vitver, A.I., and others. - In memory of Nikolai Nikolaevich Baranskii. p. 81.
Decisions of the Fourth All-Union Congress on Landform Studies. p. 83.
Matveev, N.P. - Conference on the physical geography of the Urals. p. 86.
Konstantinov, O.A. - Letter to the editor. p. 88.

Vol. 96, no. 2, Mar.-Apr. 1964.
Table of contents translated:
Zhirmunskii, M.M., IAnitskii, N.F. - Methodological discussions in Moscow in a false interpretation of an American geographer. p. 91.
Alekseev, A.I. - G.A. Sarychev, famous navigator and scientist. p. 96.
Agakhaniants, O.E. - The Pamirs and Central Asia. p. 103.
IAtsenko, A.A. - The most important stages in the relief development of the Chukchi Peninsula. p. 109.
Alekin, O.A., Brazhnikova, L.V. - Several regularities connecting the ionic runoff with the runoff of suspended silt. p. 115.
Prokaev, V.I. - Main types of differentiation of the geographical envelope in connection with a uniform method for physicogeographical regionalization. p. 124.
Stepanov, I.S. - Origin of the orthogonal drainage network based on the example of the rivers of the western slope of the Central Ural Mountains. p. 130.
Shershnova, A.N. - Characteristics of pseudokarst relief forms in the southern regions of Pskov Province. p. 133.
Buks, I.I. - Role of soil forming rocks in the distribution of vegetation cover in the Olenek and Lena interfluve. p. 136.
Zalibekov, Z.G. - Several problems in the soil zonality of the Aktash piedmont plain in Daghestan. p. 139.
Sochava, V.B., Vorob'ev, V.V. - Practice in coordinating the work of the Siberian and Far Eastern organizations of the Geographical Society of the U.S.S.R. p. 140.
Semevskii, B.N., Dolinin, A.A. - "Peoples of America," edited by A.P. Efimov, S.A. Tokarev. p. 145.
Dmitrevskii, IU.D. - Africa; an encyclopedic manual. p. 147.
Kleopov, I.L. - An interesting practice of the Chukchi Geographical Museum. p. 148.
Pavel Grigor'evich Timofeev. p. 150.
Lopatin, G.V. - Ivan Vasil'evich Samoilov. p. 151.
Mikhailov, IU.P. - Conference on current problems in the study of the Taiga in connection with prospects for its reclamation. p. 153.
Vylezhnov, IU.G. - The first school of toponymy. p. 156.
Orfanov, I.K., Kostal'skii, B.V. - Conference on the geography of the Volga-Vyatka Economic Region. p. 157.
Bursa, J. - Conference on the study of underdeveloped countries in Czechoslovakia. p. 160.
Voronov, P.S., and others. - Ethics in science; with reference to B.IU. Levin and E.M. Rudich's article "On the Fourth Congress on Astrogeology." p. 164.
Konstantinov, O.A. - Letter to the editor. p. 167.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Altaiskii otdel. Izvestiia [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Altai Branch. Bulletin]. Barnaul, no.1, 1961.

Table of contents translated:

Mal'kov, P.A. - Role of population migration and the mastering of the southeastern part of Western Siberia in the 18th- 19th centuries. p.3.

Kurakin, A.F. - Formation of the Altai economic complex and its development in the seven-year plan. p.11.

Rozen, M.F. - What is known about the geography of the Gornyy Altai. p.21.

Kriukov, A.S. - Physicogeographical content of the terms "Gornyy Altai" and "Rudnyy Altai." p.35.

Bashlakov, IA.K. - Fluctuations of the summer runoff of glacial rivers in the Altai. p.39.

Demshin, IA.IA. - Firns in the Ob Plateau. p.47.

Ostroumov, V.M. - Soils of the Biya Valley. p.53.

Egorov, N.N. - From the observations of pine strip forest vertebrates. p.65.

Kuchin, A.P. - Materials of phenological observations in the Altai Territory. p.75.

Rozen, M.F. - V.V.Sapozhnikov, prominent explorer of the Altai. p.81.

Ostroumov, V.M. - Work export of the Altai Department of the Geographical Society of the U.S.S.R. p.83.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Omskii otdel. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Omsk Branch. Bulletin]. Omsk, no.5(12), 1963.

No.5(12), 1963.

Table of contents translated:

Fialkov, D.N. - For close ties with life. p.3.

Mezentsev, V.S. - Average annual runoff on the territory of Omsk Province. p.11.

Borisov, P.V. - Changes in the breakup and freezing time of the Irtysh in connection with the warming of the climate. p.17.

Kniaginichev, N.I. - Forecasting maximum floods for the small rivers of Omsk Province during the next few years. p.23.

Laptev, S.R. - Balneological possibilities of Omsk Province. p.31.

Epshtein, V.V., Laptev, S.R. - Lake Ul'dzhay. p.37.

Epshtein, V.V. - Lake Ebeyty brine and mud. p.45.

Laptev, S.P., Abrosimova, E.K. - Some mineralized lakes in the southern part of Omsk Province. p.49.

Bernikov, V.V. - Omsk City soils and selecting trees and shrubs for its landscaping. p.55.

Zharkova, A.M. - Genetic scheme of bog formations according to landform zones in the West Siberian Plain. p.61.

Zharkova, A.M. - Yersey chain complex in the zone of hypnum bogs in the West Siberian Plain. p.87.

Plotnikov, N.A. - From Omsk to Tashkent in search for useful plants. p.93.

Zaikov, G.I. - Siberian pine forests of northern Omsk Province and prospects for growing Siberian pine under forest steppe conditions. p.103.

Bernikov, V.V. - Landscape work history in the vicinity of Omsk. p.121.

Fediushin, A.V. - New data on the distribution of wild boar in Western Siberia. p.127.

Bitekhtina, V.A., Zybin, A.S., Kniaginichev, N.I. - Developing fisheries on the Ik-Saltaim-Tenis Lake system. p.131.

Kolesnikov, A.D. - From the history of the middle Irtysh Valley settlement. p.137.

Palashenkov, A.F. - The Lyapin fortification. p.153.

Borisov, A.V. - Commercially valuable wild animals of Omsk Province. p.161.

Palashenkov, A.F. - Siberians, participants in the war of 1812. p.177.

Ogurtsov, S.A. - M.V.Pevtsov's unknown photographs. p.182.

Laptev, S.R. - Traces of falling water level in the Om' and the Irtysh Rivers. p.184.

Mukhamadeeva, G. - Development history of school gardening in Omsk Province. p.185.

Palashenkov, A.F., Laptev, S.R. - Trips through Omsk Province in 1957-1962. p.187.

Anniversary of a local lore student. p.199.

Mezentsev, V.Z., Shmakov, V.M. - "Classification of rivers and the hydrological regionalization of the U.S.S.R," by P.S.Kuzin. p.201.

Brief report on the work of the phenological committee. p.204.

Excerpt from conference minutes of the Council of the Omsk Branch of the Geographical Society of the U.S.S.R., as of February 11, 1962. p.209.

GIDROMETEOROLOGICHESKAIA OBSERVATORIIA CHERNOGO I AZOVSKOGO MOREI. Sbornik rabot [HYDROMETEOROLOGICAL OBSERVATORY OF THE BLACK AND AZOV SEAS. Papers]. Moscow, no.1, 1962.

Table of contents translated:

Preface. p.3.

Aksenov, A.A., Rozhkov, L.P. - Some results of the study of the hydrological regime of the Sea of Azov. p.5.

Baryshevskaia, G.I., Deriglazova, N.V. - Salinity regime of the Sea of Azov. p.13.

Matushevskii, G.V. - Elements of the water budget of the Sea of Azov. p.19.

Kropachev, L.N. - Characteristics of the level regime of the Sea of Azov. p.34.

Semenova, E.A. - Studying the water exchange through the Tonkiy Strait. p.53.

Shaitan, O.I. -Representativeness of observations on the temperature and density of the water at the stations of the Sea of Azov. p.64.

Slavin, L.B. - Characteristics of the heat regime of seas with an unstable ice cover. p.67.

Al'tman, E.N. - Convective-turbulent heat exchange of the Black Sea with the atmosphere. p.70.

Zats, V.I. - Characteristics of the regime of waves in the Yalta region. p.77.

OKEANOLOGIIA [OCEANOLOGY]. Issued by Okeanograficheskaia komissiia Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U.S.S.R.], Moscow, vol.4, no.2, 1964.

Table of contents translated:

Vernadskii, V.I., Vul'fson, V.I. - Founder of the new science of marine chemistry. p.193.

Zhavoronkina, T.K., Skopintsev, B.A., Klimov, I.T. - Chemical and spectral methods for determining trace element series in seawaters. p.205.

Kotliarov, K.A., Khitrov, L.M. - Measurement of minute radioactivity values under field conditions. p.213.

Popov, N.I. - Natural radioactivity of ocean water. p.223.

Vinogradova, Z.A. - Some biochemical aspects of a comparative study of the plankton of the Sea of Azov, and the Black and Caspian Seas. p.232.

Gruzinov, V.M. - Geostrophic currents in the subpolar front zone in the northern part of the Atlantic Ocean. p.243.

Zats, V.I. - Horizontal turbulent diffusion in the coastal zone of the Black Sea. p.249.

Soliankin, E.V. - Macroclimatic role of the Black Sea. p.258.

Tarasov, A.N. - Fluctuation of the sea level in Alasheyev Bight on the Enderbi Land. p.265.

Shpaikher, A.O., Moretskii, B.N. - Polar hydrogeological front in the Greenland and Norwegian Seas. p.267.

Domanitskii, E.A., Strunskii, M.G. - Measurements of the natural electric field in the sea. p.325.

Shakurov, P.F. - Experience in compiling maps and hydrological sections using an interpolator. p.339.

Stoianov, I.A. - Selecting the type of an oceanographic research ship. p.342.

Sorokin, IU.I. - Methods of microbiological research in the sea in the light of current problems in marine microbiology. p.349.

Stas', I.I. - Caspian Sea problem requires a joint solution. p.353.

Buesa, R. - Cuban center for fishery research. p.357.

Kabanova, IU.G. - Seminar on the standardization of methods for the determination of primary production, held by the Institute of Oceanology of the Academy of Sciences of the U.S.S.R. at the Black Sea Oceanological Research Institute from July 15 to August 15, 1963. p.359.

Kol'man, O.V. - New unit for underwater drilling. p.361.

Alpatov, M.G., Bulgakov, N.P., Ganson, P.P. - Research ship "Rehoboth" of the U.S. Navy. p.361.

Zenkovich, V.P. - Committee for the Preservation of the Seacoasts of the United Arab Republic. p.363.

Nikolai Alekseevich Belinskii; obituary. p.364.

Vul'fson, V.I. - "Treasures hidden in the Atlantic Ocean." p.366.

Medvedev, V.S. - Studying the role of tides in the dynamics of the coastal zone. p.277.

Esin, N.V. - Kinematics of the formation of marine abrasive terraces. p.284.

Kaplin, P.A. - Some characteristics of the formation of lagoons. p.290.

Aksenov, A.A., Petelin, V.P. - Distribution of heavy minerals in the beach belt. p.295.

Chernysheva, V.I. - Petrographic characteristics of the original rock samples occurring on the bottom of the northwestern part of the Pacific Ocean. p.300.

Maev, E.G. - Submarine landslides and sediments of suspensive flows on the bottom of the Caspian. p.305.

Kliashtorin, L.B. - Primary production and phosphates in the Atlantic Ocean. p.311.

Paka, V.T., Naumenko, M.F., Chigrakov, K.I. - Device for putting a distant temperature gage overboard. p.313.

Paramonov, A.N. - Marine pulse photometer-irradiance meter. p.314.

Neuimin, G.G. - Possibility of using the Dantli method for measuring sea water transparency in the sea. p.321.

REFERATIVNYI ZHURNAL: GEOGRAFIIA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

TASHKENT. UNIVERSITET. Nauchnye trudy [UNIVER SITY. Studies]. No.213, 1963. Geograficheskie nau [Geographical Sciences], no.24, Geografiia [Geography].

Table of contents translated:

Kogai, N.A., Babushkin, L.N. - Practice in physic geographical regionalization of the Uzbek S.S.R. p.3.

Shcheglov, O.P. - Average annual distribution of th runoff of suspended silt carried by the rivers of Central Asia. p.13.

Pivovar, L.P., Babushkin, L.N. - Method for evalu ating the moisturing of a territory with atmospheri precipitation. p.19.

Matmuratov, D. - Thermal resources ensuring the cultivation of cotton on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. p.3[illegible].

Valikhanov, M. - Several problems in the economic development of western Fergana. p.139.

Matmuratov, D. - Characteristics of natural moisturing with atmospheric precipitations on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. p.153.

Poslavskaia, O.IU. - Subdivision principles of Quaternary deposits in southern Uzbekistan and the adjacent territories of Turkmenistan. p.38.

Kogai, N.A. - Geomorphology of the Chirchik Valley. p.46.

Tadzhimov, T. - Economic-geographical regions of the Kara-Kalpak A.S.S.R. p.58.

Khudaikulov, Kh. - Samarkand as an industrial center. p.72.

Dontsova, Z.N. - Results of S.S.Nestruev's soil expeditions in 1908-1914. p.82.

Raimov, T. - Tashkent as an industrial and transportation center. p.97.

Shneer, I.A. - Flow resistance of boulder-pebble soils. p.111.

Valikhanov, M. - Development of cotton growing and related branches in the Kokand group regions. p.122.

VOKRUG SVETA [AROUND THE WORLD]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no.5, May 1964.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Geologicheskie i geograficheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Geological and Geographical Sciences]. Erivan, vol.16, no.6, 1963.

Table of contents translated:

Levon Arsenovich Vardaniants; on his 70th birthday. p.3.

Aslanian, A.T. - Quantum concept of the earth's internal structure. p.9.

Kazarian, S.V. - Some data on pyritized rocks of the peak of Mount Aragats. p.23.

Paronikian, V. [illegible]. - Correlation of the compositions of ore-forming chemical elements in one of the complex metal deposits in the Armenian S.S.R. p.33.

Shaginian, M.V. - Formation of the maximum runoff of rivers in the Armenian S.S.R. p.47.

List of research works by Vardaniants Levon Arsenovich. p.57.

Contents of Vol.16 of "Izvestiia" of the Academy of Sciences of the Armenian S.S.R.; geological and geographical sciences. p.80.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Geological Series]. Alma-Ata, vol.21, no.2, Mar.-Apr. 1964

Table of contents translated:

Kostenko, N.N. - Stratigraphy of the Cenozoic of southeastern Kazakhstan. p.3.

Erofeev, V.S. - Manrak group of bentonitic clay deposits in the Zaysan Depression. p.18.

Satpaeva, T.A., and others. - New complex sulfide in the ores of the Dzhezkazgan deposit. p.29.

Antonenko, E.M., Proshunina, S.A. - Methods for microseismic regionalization and their use for the regionalization of Dzhambul. p.42.

Rudenko, B.M. - Find of Middle Ordovician sediments in the Kos-Istek region of Aktyubinsk Province (northern Mugodzhar Hills). p.57.

Avrov, P.IA., and others. - New data on the subsurface structure of the Dzhusy fold in the Ural Mountain portion of Aktyubinsk Province. p.61.

Kabokin, A.N., Chukanov, A.A. - Calculation and forecast of fracturing in rocks. p. 68.

Akishev, T.A., Nasyrkhanov, A.N. - Practice in applying electric prospecting to the karst-interstitial waters in central Kazakhstan. p. 78.

Sadykov, A.M. - Role of faulting in the localization of complex metal mineralization in the Bestyube deposit (central Kazakhstan). p. 87.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series]. Moscow, vol. 29, no. 1, Jan. 1964.

Table of contents translated:

Geology serves the chemicalization of the national economy. p. 3.

Belevtsev, IA.N. - Metallogeny of the Pre-Cambrian geosyncline of the Ukrainian Crystalline Shield. p. 8.

Rub, M.G., Makeev, B.V., Vasil'eva, G.L. - Criteria of the consanguinity of intrusive, subvolcanic and effusive rocks as revealed by a study in the Myao-Chanskiy region. p. 21.

Sheiman, IU.M. - Length of time of rebuilding the continental crust into an oceanic one (based on the data of the northern Atlantic). p. 42.

Garetskii, R.G., and others. - Rocks of the folded basement in the central Usturt. p. 50.

Egorov, L.S. - Origin of carbonatites. p. 63.

IAblokov, V.S. - Nepal and her minerals. p. 75.

Parsadanova, E.A., Berlin, IU.M. - Some new data for differentiating the Lower and Middle Carboniferous carbonate formations in the middle Volga Valley. p. 87.

Trifonov, V.G. - Remains of the Upper Paleozoic volcanoes in the Kalmakemel' syncline (central Kazakhstan). p. 95.

Matrosov, P.S., Sinitsyn, V.M. - A new land mark in the geological study of Mongolia. p. 110.

Tikhomirov, V.V., Paniutina, L.B. - Losses to science. p. 112.

Literature on geology received by the Library of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. during October, 1963. p. 115.

Shcherbakov, D.I. - The 80th anniversary of Academician A.E. Fersman's birth. p. 127.

Vol. 29, no. 2, Feb. 1964.

Table of contents translated:

TSvetkov, A.I., Ershova, Z.P., Matveeva, N.A. - Synthesis of chromium silicate similar to olivine. p. 3.

Azizbekov, Sh.A., Gadzhiev, T.G. - Basic characteristics of the structural petrology of the Megri-Ordubad batholith. p. 15.

Ivanov, A.Kh., Voitovich, V.S. - Hercynian shifts along the Dzungarian fault. p. 27.

Mel'kanovitskii, I.M. - Physical properties of Pre-Mesozoic rocks in the northern Tien Shan. p. 44.

Amshinskii, N.N. - Some characteristics of the distribution of accessory elements in granitoids. p. 55.

Semikhatov, M.A. - Proterozoic. p. 66.

Keller, B.M. - Terms "Algonkian" and "Proterozoic." p. 85.

Mamaev, N.F. - History of the development of the slope of the Southern Ural Mountains in the Pre-Cambrian and Lower Paleozoic. p. 92.

Aver'ianov, I.P. - Sulfur-containing variety of propylitized rocks in Paramushir Island (Kurile Islands). p. 101.

Andreev, G.V., Tverdokhleb, E.I. - Concerning IU.M. Sheinmann, F.R. Apel'tsin, E.A. Nechaeva's book "Alkali intrusions, their distribution and mineralization connected with them." p. 108.

Shpetnyi, A.P. - Global stages of the tectogenesis and Triassic igneous activity in the northeastern U.S.S.R. p. 109.

Literature on geology received by the Library of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. during November, 1963. p. 113.

Kashkai, M.A., Aliev, V.I. - Conference on the problem "Metasomatic alterations of wall rocks and their role in ore formation." p. 125.

Vol. 29, no. 4, Apr. 1964.

Table of contents translated:

Chukhrov, F.V., and others. - Allophanes. p. 3.

Kolotukhina, S.E. - Basic characteristics of the tectonic development of Africa in the Pre-Cambrian. p. 20.

Borsuk, A.M., Masurenkov, IU.P. - Explosive forms of the intrusive process. p. 38.

Meshcherakova, V.B., Sel'tsov, B.M. - New data on intrusive activity in the Myn-Aral-Kashan-Tengiz region (western Lake Balkash region). p. 56.

Kralova, M., Kral, R., Fiala, I. - Pyropes from the Carboniferous sediments of the České Středohoří. p. 66.

Volkova, N.A. - Phytoplankton and ancient sediments in the northwestern Moscow region and its significance for stratigraphy. p. 74.

Kaminskii, F.V., Nesmikh, G.S., Trofimov, N.N. - Age of molybdenum mineralization in the Kudikan ore manifestation of eastern Transbaikalia. p. 85.

Merklin, R.L. - Find of marine mollusks in the Tertiary sediments of the Lake Baikal region. p. 89.

Zonenshain, L.P. - Unconformities within the Verkhoyansk complex. p. 90.

Antropov, P.IA. - Some burning problems in Soviet geology. p. 95.

Shteinberg, N.G. - Concerning V.M. Avdulov's article "Geological nature of the gravity anomalies of Mount Elbrus." p. 100.

Konstantin Avtonomovich Nenadkevich; obituary. p. 101.

Literature on geology received by the library of the Department of Earth Sciences of the Academy of the Sciences of the U.S.S.R. in January 1964. p. 103.

Borshuk, A.M. - Out-of-town session of the Council for Studying the Complex Problem "Structure and development of the earth." p. 119.

Leites, A.M., Palei, I.P. - Session of the Council on the tectonics of Siberia and the Far East. p. 124.

Murzaev, P.M. - First All-Union Conference on the Geology of Native Sulfur. p. 126.

Vol. 29, no. 5, May 1964.

Table of contents translated:

Nagibina, M.S. - Structural position of Upper Mesozoic and Cenozoic granitoids in the Sikhote-Alin' Mesozoic folding. p. 3.

Krylov, N.A., Ditmar, V.I., Letavin, A.I. - Characteristics of the transitional complexes of the Caledonian and Hercynian consolidation. p. 9.

Morkovkina, V.F. - Age of ultrabasites in the Northern Ural Mountains. p. 17.

Luchinskaia, A.I. - Hybridization phenomena of Upper Riphean granitoids in the Eastern Sayan Mountains. p. 25.

Urazaev, I.M. - Subsurface structure of the crystalline basement of Udmurtia and northwestern Tatarstan based on the interpretation data of geomagnetic field anomalies. p. 42.

Tikhomirov, V.G., Tikhomirova, E.I., Shi IAn-shen' (Shih Yang-shên). - Varieties of volcanism in the large tectonic zones of central Kazakhstan as revealed by the basaltoid rocks of the Zhaksykon series. p. 56.

Gladkovskii, A.K., Sharova, A.K. - Bauxite potential of the Lower Mesozoic sediment of the eastern slope of the Northern Ural Mountains. p. 67.

Avdeiko, G.P., Pergament, M.A. - Problems of the stratigraphy of the Lower Cretaceous sediments in the Koryak-Kamchatka region. p. 76.

Gladenkov, IU.B. - Biostratigraphy of Tertiary sediments in eastern Kamchatka (southern Bystrinskiy Range). p. 89.

Menner, V.V., Meien, S.V. - History of the age determination of coal-bearing sediments in the Kuznetsk Basin. p. 98.

Zubakov, V.A., Krasnov, I.I. - Concerning V.I. Gromov, E.A. Vangengeim, and K.V. Nikoforova's article "Stages of the development of Quaternary mammalian fauna as a reflection of the evolutionary stages of the earth." p. 103.

Literature on geology received by the Library of the Department of Earth Sciences during February, 1964. p. 109.

Timofeev, P.P., Bogoliubova, L.I. - Meeting of the International Commission for Coal Petrology Nomenclature. p. 116.

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions]. Moscow, no. 97, 1963. Geokhimiia osadochnykh mestorozhdenii margantsa [Geochemistry of sedimentary manganese deposits].

Table of contents translated:

Preface. p. 5.

Shterenberg, L.E. - Outline of the geochemistry of manganese deposits in the Northern Urals. p. 9.

Varentsov, I.M. - Geochemistry of the Olegocene of the Southern Ukrainian manganese basin; distribution of Mn, Fe, P, CO_2 and C_{org} in Kharkovian sediments. p. 72.

Skopintsev, B.A., Popova, T.P. - Accumulation of manganese in the waters of hydrogen sulfide basins as revealed by a study in the Black Sea. p. 106.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]. Moscow, no. 93, 1963.

Contents: Arkhangel'skaia, V.V. [Geology of lead-zinc deposits in the Klichka ore region (eastern Transbaikalia) Geologiia svintsovo-tsinkovykh mestorozhdenii Klichkinskogo rudnogo raiona (Vostochnoe Zabaikal'e). 211 p.

AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]. Moscow, no. 10, 1963. Redkie elementy v sul'fidnykh mestorozhdeniiakh [Rare elements in sulfide deposits].

Table of contents translated:

Ivanov, V.V. - Paragenesis of hydrothermal deposits, their geochemical characteristics and the possible sources of mineralization. p. 3.

Kuznetsov, K.F. - Indium in sulfoantimonites of lead. p. 92.

IUshko-Zakharova, O.E. - Geochemistry of selenium and tellurium in copper-nickel deposits. p. 100.

Necheliustov, N.V., and others. - Selenium and tellurium in lead-zinc deposits of the Altyn-Topkan ore zone. p. 125.

Garmash, A.A., Kurbanova, N.Z. - Selenium and tellurium in ores of the Zolotushinskoye deposit (Rudnyy Altai). p. 136.

Chzhun Tszia-zhun (Chung Chia-jung). - Antimony-mercury formations containing selenium. p. 156.

Gorokhova, V.N. - Rhenium and molybdenum in copper-molybdenum deposits. p. 171.

Garmash, A.A., Vlasova, N.K. - Geochemistry of gallium in the formation of pyrite-complex metal ores. p. 184.

Vershkovskaia, O.V. - Gallium in the ores and minerals of the Khrustal'noye deposit. p. 201.

Meitav, G.M. - Characteristics of the ore formation process and rare elements in the ores of the lead-zinc deposit in the Klichka ore region. p. 209.

Baranov, V.D. - Primary zoning of the mineralization and the distribution of rare elements in the complex metal deposits of the Zyryanovsk ore region (Rudnyy Altai). p. 230.

IUdin, I.M. - Mineral composition of ores and rare elements in the Samara pyrrhotite-complex metal deposit. p. 248.

Sindeeva, N.D., Kulikova, M.F. - Rare elements in the oxidation zone of sulfide deposits. p. 268.

Kulikova, M.F. - Thallium in the zone of oxidation of some lead-zinc deposits in eastern Transbaikalia. p. 291.

AKADEMIIA NAUK SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Biulleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. Commission for the Study of the Quaternary Period. Bulletin]. Moscow, no. 28, 1963.

Table of contents translated:

Zhizhchenko, B.P. - Boundary between the Pliocene and Quaternary based on the fauna of marine mollusks. p. 3.

Sokolov, I.I. - Some interesting finds of primitive bisons (Bison priscus Boj.) in the U.S.S.R. p. 24.

Moskvitin, A.I. - Structure of covering formations of the ancient terraces of the Dniester. p. 33.

Lazarenko, A.A. - Some remarks on the geology of Mount Pivikha in the Dnieper Valley. p. 56.

Cherniakhovskii, A.G. - A possible source of loess material in Central Asia. p. 65.

Belinева, E.I., Kudiukov, K.V. - New finds of mammal fossils in northern Kirghizia. p. 76.

Aleksandrova, L.P., and others. - New data on a section of Quaternary sediments of Mount Tologoy (western Transbaikalia). p. 84.

Lavrushin, IU.L., and others. - Primary data on the absolute chronology of principal events in the Holocene of the northeastern part of the U.S.S.R. p. 112.

Mitt, K.L. - Moraines in the southeastern coast of Anabar Bay. p. 127.

Petrov, O.M. - Stratigraphy of Quaternary sediments in the southern and eastern parts of the Chukchi Peninsula. p. 135.

Liubin, V.P. - First studies of the monuments of the stone age in the Chechen-Ingush A.S.S.R. p. 153.

Dubrovo, I.A. - Anancus arvenensis (Croizet et Jobert) from the Taman' Peninsula. p. 156.

Shmidt, G.A. - Origin of the scraps on the southern slopes of the Terekta Range in the central Altai. p. 161.

Ivashov, P.V. - Origin of the blocks of quartzlike sandstone in the upper Kama and Vyatka Valleys. p. 164.

Shevoleva, N.S. - Absolute age of Karginskiye sediments (Igarka region). p. 167.

Kind, N.V. - Some remarks on the position of the Karginskiy age in the chronological time scale of the Upper Pleistocene. p. 169.

Ranov, V.A. - Use archaeological data correctly; letter to the editors. p. 171.

Popov, V.V. - Some scientific results of the Voronezh Interuniversity Conference on the Construction on Loessal Soils. p. 176.

Lavrushin, IU.A. - Work of the joint plenum of the Permanent Commission on the Study of the Quaternary System attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U.S.S.R. p.182.
Excerpt from the resolution of the joint plenum of the Permanent Commission on the Study of the Quaternary System attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U.S.S.R. from May 12, 1962. p.185.
Supplements. p.190.
Excerpt from the resolution of the Interdepartmental Stratigraphic Committee. p.193.
From the editors. p.194.

AKADEMIIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology. Transactions]. Moscow, vol.99, 1964.

Contents: Tabolakova, V. IA. [Experience in the biometric study of Pliocene Vivipara in the south of the U.S.S.R.] Opyt biometricheskogo izucheniia pliotsenovykh viviparusov IUga SSSR. 67 p. illus.

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia petrografii, mineralogii i geokhimii [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences. Transactions. Petrographical, Mineralogical, and Geochemical Series]. Kiev, no.18, 1963.

Contents: Semenenko, N.P. [Metamorphism of mobile belts] Metamorfizm podvizhnykh zon. 256 p.

EESTI NSV TEADUSTE AKADEEMIA. Geoloogia Instituut. Uurimused. Trudy Instituta geologii Akademii nauk Estonskoi SSR [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Geology. Transactions]. Tallinn, vols.12-13, 1963.

GEOFIZICHESKOE PRIBOROSTROENIE [DESIGN OF GEOPHYSICAL INSTRUMENTS]. Issued by Otdel nauchno-tekhnicheskoi informatsii Osobogo konstruktorskogo biuro Ministerstva geologii i okhrany nedr SSSR [Department of Scientific and Technical Information of the Special Design Bureau of the Ministry of the Geology and Conservation of Mineral Resources]. Leningrad, no.12, 1962.

Table of contents translated:
Shaub, IU.B. - Relative and absolute measurements in aerial electric prospecting. p.3.
Rogachev, V.V., Flaksman, A.A. - Microvoltmeter for use in electric prospecting. p.11.
Liubavin, L.M. - Experimental-methodological works using the rotating magnetic field method. p.19.
Shaub, IU.B. - Technique for increasing the sensitivity and noise immunity of measuring systems in aerial electric prospecting. p.32.
Ryzhkov, V.M., Stepanov, A.P. - Usability of the dynamic polarization of protons in nuclear-precession magnetometers. p.35.
Berkman, R.IA. - Detection of higher even harmonics. p.52.
TSirel', V.S. - Use of a nuclear aerial magnetometer for setting up an absolute reference net. p.61.
Bogomolov, A.M., Petrov, V.P. - Analysis of the potential uses of the double coding method. p.75.
IUla, B.IA. - Determining the quality factor of analytic radiometers. p.82.
Bondarenko, B.K., Demidovich, V.N. - A generator of chaotic pulses. p.90.
Dolgirev, E.I. - Method for calculating the specific activity of water. p.93.
Bakulin, V.I. - Neutron-absorption analysis of rare earths and mercury. p.96.
Demidovich, V.N., Levchenia, N.S., Mazin', P.N. - Use of an electroluminescent matrix screen. p.107.
Dorokhin, A.K., Kuz'min, IU.D. - Field tests of the AM-13 aerial magnetometer. p.113.

GEOLOGIIA MESTOROZHDENII REDKIKH ELEMENTOV [GEOLOGY OF RARE-ELEMENT DEPOSITS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia [All-Union Scientific Research Institute of Mineral Resources]. Moscow, no.20, 1963. Aerogeofizicheskie metody poiskov mestorozhdenii redkikh elementov [Aerogeophysical methods of prospecting for rare element deposits].

Table of contents translated:
Introduction. p.3.
Ostrovskii, E.IA., Korchagin, V.I. - Aerogeophysical methods and the possibility of their use in prospecting for mineral deposits. p.5.
Ginzburg, A.I., Korchagin, V.I. - Rare element deposits and characteristics of aerogeophysical anomalies related to them. p.19.
Korchagin, V.I., Ostrovskii, E.IA., Terekhov, IU.N. - Methods of aerogeophysical prospecting for rare element deposits. p.27.
Nefedov, V.P., Ostrovskii, E.IA. - Geological and geophysical interpretation of aerogeophysical materials. p.52.
Ginzburg, A.I., Berezina, L.A., Sharmin, N.F. - Surface studies of aerial anomalies characteristic of some types of rare metal deposits. p.84.
Ginzburg, A.I., Korchagin, V.I. - Conclusion. p.116.
Literature. p.118.

LENINGRAD. VSESOIUZNYI GEOLOGICHESKII INSTITUT. Materialy. Novaia seriia: Chetvertichnaia geologiia i geomorfologiia [ALL-UNION GEOLOGICAL INSTITUTE. Materials. New Series: Quaternary Geology and Geomorphology]. Moscow, no.4, 1961. K VI kongressu INKVA v Varshave [For the Sixth Congress of the International Association on Quaternary Research held in Warsaw, 1961].

Table of contents translated:
Preface. p.7.
IAkovleva, S.V. - Sergei Aleksandrovich IAkovlev. p.9.
Ganeshin, G.S. - Some features of the distribution and characteristics of the structure of Quaternary sediments in the U.S.S.R. p.24.
Pokrovskaia, I.M. - Lower boundary of the Quaternary system based on paleobotanical data. p.45.
Zarrina, E.P., and others. - Periglacial formation in the West Siberian Plain. p.54.
Apukhtin, N.I., IAkovleva, S.V. - Stratigraphy of the Quaternary sediments in the eastern part of the Baltic Shield and adjacent regions. p.105.
Zubakov, V.A. - Basic features and characteristics of Pleistocene glaciation in Siberia. p.141.
Chemekov, IU.F. - Quaternary sediments and basic phases of the development of vegetation in the Far East of the U.S.S.R. p.183.
Seliverstov, IU.P. - Basic characteristics of the geomorphological structure of northeastern Kazakhstan. p.197.
Verbitskaia, N.P. - Characteristics of the structure and the history of the development of river valleys in the western slope of the Southern Ural Mountains. p.239.
Plotnikova, M.I. - Significance of the lithological method for the stratigraphic division of terrace alluvial sediments in the glacial and extraglacial regions. p.270.

[MICROFILM]

LENINGRAD. VSESOIUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol.90, 1963. Materialy po chetvertichnoi geologii i geomorfologii [Materials on Quaternary geology and geomorphology].

Table of contents translated:
Preface. p.3.
Ganeshin, G.S. - Principles for constructing the legends of general geomorphological maps on a 1:500,000-1:1,500,000 scale. p.7.
Chemekov, IU.F. - Morphology, genesis, age and the conditions governing the formation of the ancient surfaces of denudation planation in the southern part of the Far East of the U.S.S.R. p.24.
Boitsov, M.N. - Genesis and evolution of polygonally jointed relief. p.55.
Plotnikova, M.I., and others. - Paleogeography of the Markha and Tyung interfluve in the Cenozoic as related to the history of the formation of diamond placers (Eastern Siberia). p.81.
Zubakov, V.A., Zauer, V.V. - Materials on the paleontological characteristics of a key section of Quaternary sediments in the Yenisey Valley of Siberia. p.97.
Solov'ev, V.V. - Marine Quaternary sediments of the Maritime Territory. p.117.
Zamoruev, V.V. - Rock streams in the Katun' Range. (central Altai). p.126.
Tarnogradskii, V.D. - Basic characteristics of the geomorphological structure of the southwestern part of the West Siberian Plain. p.134.
Mashkov, IU.F. - Relief of the Kama-Vychegda watershed and its development. p.146.
Spiridonov, M.A. - Recent movements and the history of the development of the coastal zone in the northern part of Kanin Peninsula. p.157.
IAkovleva, S.V. - Some results of the study of glacier boulders on the southwestern shore of Lake Ladoga. p.168.

Vol.98, 1963. Petrograficheskii sbornik [Articles on petrography], no.6.

Table of contents translated:
Preface. p.3.
Bilibina, T.V., and others. - Vladimir Nikitich Lodochnikov; on his 75th birthday. p.5.
V.N. Lodochnikov's works, 1916-1956. p.12.
Butakova, E.L. - Dugdu alkali intrusion (eastern Tuva). p.15.
Aliavdin, V.F. - Alaskite massif of porphyrylike granite in the upper Indigirka Valley. p.32.
Stankevich, E.K. - Geology of the eastern part of the Tigertysh pluton (Kuznetsk Alatau). p.53.
Orlov, D.M. - Mechanism of postorogenic intrusions in connection with the shrinkage phenomenon in crystallization. p.65.
Chuprov, V.V. - Mesozoic granites in western Transbaikalia and rare metal mineralization related to them. p.74.
Struve, N.V. - Origin of the diabase-porphyry Magnitogorsk igneous complex. p.90.
Tashchinina, M.V., Semenova-Tian-Shanskaia, E.R. - Upper Paleozoic Zhantau Volcano in central Kazakhstan. p.99.
Golubiatnikov, D.V. - Upper Paleozoic volcanic apparatus Aydarly (central Kazakhstan). p.117.
Bilibina, T.V., Ksenofontov, O.K. - Two different age phenomena of spilite-keratophyre formation in the Mugodzhar Hills. p.128.
Vasil'eva, V.I. - Middle Paleozoic crystalline schists and gneisses in the Irtysh shear zone. p.142.
Grigaitis, R.K. - Metamorphic rocks in the Narym and Kurchum Ranges (southern Altai). p.156.
Zhdanova, V.V. - Reomorphic breccia in the contact of the Pechenga series with Archean granites. p.166.
Polovinkina, IU.Ir. - Origin of cordierite granites, the Berdichev "granite" in Ukraine. p.174.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROGEOLOGII I INZHENERNOI GEOLOGII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HYDROGEOLOGY AND ENGINEERING GEOLOGY. Transactions]. No.1, 1963. Voprosy regional'noi inzhenernoi geologii i metodiki issledovanii [Problems of regional engineering geology and research methods].

Table of contents translated:
Preface. p.3.
Sokolov, S.S. - Conditions from the viewpoint of engineering geology in the Turgay trough. p.5.
Trepettsov, E.V. - Suffossion sinkholes in the riparian part of the Ob' Plateau and their characteristics from the viewpoint of engineering geology. p.16.
D'iachkov, A.B. - Recent karst in some regions of central Kazakhstan and its significance from the viewpoint of engineering geology. p.24.
Bondarik, G.K. - Processes of laterite weathering and conditions governing construction on laterites. p.27.
Dubrovkin, V.L., Churinov, M.V. - Reasons for the instability of open pit edges. p.40.
Sokolov, S.S., Churinov, M.V. - Rare kind of landslide deformation in the slope of a river valley. p.46.
Sazonov, G.N. - Changes in the physicomechanical properties of the ground resulting from the excavation of the Moscow subway. p.51.
Vasil'ev, A.V. - Present-day status of the sampling technique of sandy-argillaceous and semi-crystalline rocks from holes in investigations for purposes of engineering geology. p.63.
Emel'ianova, E.P. - Morphologic classification of landslide phenomena for purposes of mapping from the viewpoint of engineering geology. p.82.
Razorenov, V.F. - Interrelationship of the physical and mechanical properties of the clay soils of a ruptured structure. p.101.
Vereiskii, N.G., and others. - Classification plan for tectonic and geomorphologic elements and also karst phenomena for purposes of mapping from the viewpoint of engineering geology. p.141.
Gureev, A.M. - Evaluation of rock massifs as a basis and medium for hydrotechnical constructions and ways of developing rational methods for their investigation from the viewpoint of engineering geology. p.155.
Abramov, S.P. - Physicomechanical diagenesis of clay sediments. p.183.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Gosudarstvennyi geologicheskii komitet SSSR [State Geological Committee of the U.S.S.R.]. Moscow, vol.7, no.4, Apr. 1964.

Table of contents translated:
Borisov, A.A. - Morphology of Mohorovičič surface and its structural significance. p.3.
Bulalov, N.I., Zakharov, E.V. - Basic characteristics of the relief of the present-day surface of the basement of the U.S.S.R. in relation to an evaluation of the prospects for finding oil and gas. p.24.
Zhizhchenko, B.P. - Stratigraphy and volume of the Lower Miocene. p.40.

Tel'e, E. - Some of the most important problems in the study of paleomagnetism. p. 61.

Kuzhelov, G.K. - Reflection of tectonic folding of the Ukrainian Crystalline Shield in the magnetic and gravity fields. p. 75.

Bogatskii, V.V. - Prospects for finding Post-Caledonian endogenetic deposits in the southern part of central Siberia. p. 88.

Stepin, I.G. - Using hydraulic prospecting in studying the geology of oil fields. p. 97.

Zanin, IU.N., Oglenko, L.V. - Ordovician stratigraphy of the southwestern part of the Irkutsk amphitheater. p. 109.

Bilyk, A.A. - Role of salt masses in the formation of the Mesozoic structural plan as revealed by a study in the southeastern part of the Dnieper-Donets Lowland. p. 114.

Korallova, V.V. - Palynological characteristics of Maikop sediments in the northern part of the eastern Black Sea region (Ukrainian S.S.R.). p. 119.

Kefala, A.P. - Per unit cost of prospecting for resources. p. 126.

Turmanina, V.I. - Using coltsfoot as an index of a recent disturbance of the ground. p. 131.

Tikhomirov, V.V., Voskresenskaia, N.A. - Commemorative dates in January-March, 1964. p. 133.

Beliaevskii, N.A., Volkova, S.P. - From the history of the publishing of geological literature in the U.S.S.R. p. 140.

Barkhatova, V.P., Stepanov, D.L. - Results of the work of the Fifth International Congress on Stratigraphy and Geology of the Carboniferous. p. 147.

Lebedinskii, V.I. - Review of "Chemical composition of the igneous and metamorphic rocks of the Armenian S.S.R." by S.B. Abovian and others. p. 154.

VOPROSY PALEONTOLOGII [PROBLEMS OF PALEONTOLOGY]. Issued by Nauchno-issledovatel'skii institut zemnoi kory Leningradskogo universiteta [Scientific Institute for Research on the Earth's Crust of the Leningrad University]. Leningrad, vol. 4, 1964.

Table of contents translated:

Balashova, E.A. - Morphology, phylogeny and the stratigraphic significance of the Early Ordovician subfamily Ptychopyginae in the Baltic region. p. 3.

Eltysheva, R.S. - Stems of the Ordovician crinoidea in the Baltic region (Lower Ordovician). p. 59.

Mironova, M.G. - Study of Early Permian Brachiopoda in the Pechora Basin. p. 85.

Volgin, V.I. - New species of Late Paleozoic brachiopods of the southwestern Darvaza Range. p. 100.

Balashov, Z.G. - Structure and color of the shell of some Ordovician endoceratoids in the Baltic region. p. 106.

13. SCIENCE

a. GENERAL

*AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol. 154, no. 3, Jan. 1964.

Table of contents translated:

MATHEMATICS:

Barban, M.B., Vinogradov, A.I. - Number-theoretical basis of the probability theory of numbers. p. 495.

Berman, G.Kh. - Functors in the category of locally convex spaces. p. 497.

Gol'dman, M.A., Krachkovskii, S.N. - Invariance of certain spaces related to the $A - \lambda I$ operator. p. 500.

Gonchar, A.A. - Approximation of continuous functions by harmonic functions. p. 503.

Greendlinger, Martin. - Solution of the word identity problem for a certain class of groups by means of Dehn's algorithm and solution of the conjugacy problem by means of an extension of Dehn's algorithm. p. 507.

Krivov, V.V. - Some properties of moduli in space. p. 510.

Linnik, IU.V. - Remarks on the Fisher - Welch - Wald test. p. 514.

Mikenberg, A.M. - Complete systems of nondecreasing general recursive functions. p. 517.

Nechaev, V.I. - Unimprovable estimate of trigonometric sums for recursive functions with nonconstant coefficients. p. 520.

Ovchinnikov, I.S., Suvorov, G.D. - Transformations of Dirichlet integrals and space mappings. p. 523.

Petunin, IU.I. - Conjugated Banach spaces containing subspaces of zero characteristic. p. 527.

Portnov, V.R. - Theorem on the density of finite functions in $L_{p,a}^{(m)}(E_n)$ space. p. 530.

Prilepko, A.I. - Inverse problem of the metaharmonic potential. p. 534.

Shevrin, L.N. - Projective mappings of semilattices. p. 538.

Shunkov, V.P. - Groups decomposable into the uniform product of their p-subgroups. p. 542.

CYBERNETICS AND REGULATION THEORY:

Adel'son-Vel'skii, G.M., and others. - System of commands for a three-address machine without address register. p. 545.

HYDROMECHANICS:

Korobeinikov, V.P., Chushkin, P.I. - Method for calculating a point explosion in gases. p. 549.

Shal'nev, K.K., Rubina, N.P. - Pulse pressures in the zone of a secondary erosion center. p. 553.

ASTRONOMY:

Ginzburg, V.L., Ozernoi, L.M., Syrovatskii, S.I. - Mechanism of the emission from the galaxy 3C 273-B. p. 557.

PHYSICS:

Kliuev, IU.A. - Effect of pressure on the absorption spectrum of benzene in the near infrared region. p. 561.

Sokolik, G.A. - Spinor formula for the gravitational field. p. 565.

Fridman, A.M. - Phenomena of a critical magnetic field and anomalous diffusion in a lightly ionized plasma. p. 567.

Shorygin, P.P., Krushinskii, L.L. - Scattering of light, fluorescence, and transient phenomena. p. 571.

TECHNICAL PHYSICS:

Palatnik, L.S., Il'inskii, A.I. - Stabilization of high-strength vacuum condensates. p. 575.

Tiapkin, IU.D. - "Monoclinic" distortions of the cubic lattice of Ni - Be and Cu - Be alloys due to aging. p. 578.

GEOGRAPHY:

Nikol'skaia, V.V., Sidorov, V.A., Shcherbakov, I.N. - Forms of microrelief connected with soils frozen over a period of many years in the Sutar intermontane depression. p. 582.

GEOLOGY:

Bylinskaia, L.N., Meshcheriakov, IU.A. - Relation between the lapse rate of vertical tectonic movements of the earth's surface and seismicity as revealed by a study made in the western half of the European part of the U.S.S.R. p. 586.

Gorbach, L.P., Dobrovol'skaia, T.I. - Lower Cretaceous paleoseismic phenomena in the Crimea. p. 590.

Krendelev, F.P. - Rare case of the intersection of stylolite sutures. p. 593.

Ponomarenko, Z.K. - Spore-pollen complexes of Lower Paleocene marine sediments in the northern Ural Mountain region and in the central part of the Turgay Depression. p. 596.

MINERALOGY:

Zolotukhin, V.V. - Reaction formations in Norilsk ores and the problem of disseminated sulfide mineralization in gabbro-dolerites. p. 600.

Markhasev, B.I., Sedletskii, I.D. - Structure of anion complexes in aqueous solutions of sodium silicates. p. 604.

Portnov, A.M. - Calcium catapleiite, a new variety of catapleiite. p. 607.

Prokopchuk, B.I., Sergienko, V.M., Makarova, N.V. - Diamonds in the northeastern part of the Siberian Platform (Lena Valley diamond-bearing area). p. 610.

IUshko-Zakharova, O.E. - Nickel telluride, a new mineral. p. 613.

GEOCHEMISTRY:

Mineev, D.A. - Study of the correlation between lanthanides in rocks. p. 615.

Sidorov, S.S. - Hydrothermal metamorphism of rocks in a postvolcanic process as revealed by a study made in the Eboko Volcano (Kurile Islands). p. 619.

Sretenskaia, N.G. - Distribution of impurity elements of microcline from pegmatites in eastern Kazakhstan. p. 621.

CHEMISTRY:

Batsanov, S.S., Doronina, L.M., Podberezskaia, N.V. - Chromium chalcogenosulfide. p. 624.

Berlin, A.A., Vonsiatskii, V.A. - Induced reactivity of certain compounds having a conjugate system when interacting with 1,1-diphenyl-2-picrylhydrazyl. p. 627.

Bliumenfel'd, A.B., Neiman, M.B., Kovarskaia, B.M. - Thermal degradation of polyformaldehyde. p. 631.

Kliucharov, IA.V., Skoblo, L.I. - Aluminum phosphates $Al_2O_3 \cdot 3P_2O_5$ and the interaction of $Al_4(P_4O_{12})_3$ with fused potassium chloride. p. 634.

Kornilov, I.I., Glazova, V.V. - Some strength characteristics of chemical bonds of Ti_6O, Ti_3O formed from α-solid solutions of the titanium - oxygen system. p. 638.

Kochetkov, N.K., Kudriashov, L.I., Senchenkova, T.M. - Effect of γ-radiation on glucosamine. p. 642.

Nesmeianov, A.N., and others. - Acylation of cyclopentadienylrhenium tricarbonyl. p. 646.

Semenenko, K.N., and others. - Interaction between the chlorides of aluminum and beryllium. p. 648.

Stepanenko, B.N., Ignatiuk-Maistrenko, V.A., Chentsova, M.G. - Hydrolysis kinetics of some N-glycosides. p. 650.

Titov, L.V. - Synthesis of calcium borohydride. p. 654.

Shostakovskii, M.F., and others. - Reactivity of the hydrate forms of aldehydes. Interaction of chloral hydrate with some vinyl ethers. p. 657.

PHYSICAL CHEMISTRY:

Bartenev, G.M., Zelenev, IU.V. - Low-temperature relaxation processes in rubberlike polymers. p. 661.

Brainina, Kh.Z. - Contribution to the theory of electrodissolution of films from the surface of an indifferent electrode. p. 665.

Biakov, V.M., Ershler, B.V. - Mechanism underlying the formation of molecular products in water radiolysis. p. 669.

Vertsner, V.N., and others. - Electron microscope investigation of the catalyzed crystallization of glasses of the system $Li_2O - Al_2O_3 - SiO_2$. p. 673.

Gridnev, V.N., Minakov, V.N., Trefilov, V.I. - Mechanism of austenite formation on a rapid heating of carbon steels. p. 675.

Litkovets, A.K., IUrzhenko, T.I. - Rate of thermal decomposition of unsaturated organosilicon peroxides. p. 679.

Mairanovskii, S.G. - Quasidiffusion surface waves in polarography. p. 683.

Morozova, I.D., Diatkina, M.E. - Spin density distribution in metal ketyls containing methyl groups. p. 687.

Novozhilov, B.V. - Temperature dependence of the kinetic characteristics of exothermal reactions in the condensed phase. p. 690.

Sliniakova, I.B., Budkevich, G.B., Neimark, I.E. - Hydrophobic hydrogen-silica adsorbent with a Si-H bond (xerogel of polysiloxane hydride). p. 692.

CHEMICAL TECHNOLOGY:

Rebinder, P.A., Shchukin, E.D., Margolis, L.IA. - Mechanical strength of porous disperse bodies. p. 695.

Rozen, A.M., Alen'kin, N.F., Golub, S.I. - Mechanism of an advanced-stage purification of vapors by removing entrained drops in plate columns. p. 699.

Chlenov, V.A., Mikhailov, N.V. - New principle of forming a "boiling bed." p. 703.

SOIL SCIENCE:

Fridland, V.M., Dorokhova, K.IA., Zhitkova, A.I. - Nature of the structure of humid tropical soils (North Vietnam). p. 707.

MICROBIOLOGY:

Matseliukh, B.P. - Transformation of the antibiotic formation in actinomycetes with the help of DNA. p. 710.

BIOPHYSICS:

Evstigneev, V.B., Gavrilova, V.A. - Comparison of the oxidation potentials of chlorophyll and bacterial pigments under illumination. p. 714.

Kozlov, IU.P., Tambiev, A.Kh., Taranenko, G.A. - Free-radical states of some antibiotics. p. 718.

BIOCHEMISTRY:

Kafiani, K.A., Timofeeva, M.IA. - Synthesis of RNA during early embryonic development. p. 721.

PLANT PHYSIOLOGY:

Kutiurin, V.M., Ulubekova, M.V., Kazanskii, L.P. - Change in the rate of photosynthesis by Scenedesmus obliquus observed together with a growth in the hydrogen concentration in the medium. p. 725.

EVOLUTIONARY MORPHOLOGY:

Regel', E.D. - Homology of the laminae orbitonasales in amphibia. p. 728.

Severtsov, A.S. - Formation of the tongue in Hynobiidae. p. 731.

PHYSIOLOGY:

Bekmukhamedov, G. - Relation between the electrophysiological and histochemical indices of excitation wave spreading over the myocardium. p. 735.

Meerson, F.Z., and others. - Correlation in the intensity of synthesis and the breakdown of protein in the myocardium in heart hyperfunction. p. 738.

PARASITOLOGY:

Raikova, E.V. - Early parasitic stages in the developmental cycle of Polypodium hydriforme Ussov (Coelenterata). p. 742.

Vol. 155, no. 2, Mar. 1964.

Table of contents translated:

MATHEMATICS:

Arkhangel'skii, A. - Factor mappings of metric spaces. p. 247.

Bantsuri, R.D., Dzhanashiia, G.A. - Convolution type equations for a semiaxis. p. 251.

Bauer, F.V. - Universal homotopic groups. p. 254.

Ivanov, L.D. - Smooth mappings of R_n and R_1 spaces. p. 258.

Liubich, IU.I. - Density conditions for an initial manifold in the abstract Cauchy problem. p. 262.

Malkov, E.V. - τ-Continuity and τ-differentiability of functionals. p. 266.

Martsun, N.F. - Certain types of interferences for integral functions of finite power. p. 270.

Matsaev, V.I. - Some theorems on the completeness of root subspaces of perfectly continuous operators. p.273.

[illegible], B.I. - Steady-state resonance modes of certain rotary systems. p.277.

Petrenko, V.P. - Growth of a meromorphic function along a half-line. p.281.

Tersenov, S.A. - Problem with data on the degeneration line for systems of hyperbolic equations. p.285.

Tkachenko, V.A. - Spectrum analysis of Schrödinger's one-dimensional operator with a periodic complex valued potential. p.289.

Tsalenko, M.S. - One-to-one correspondences over a quasi-exact category. p.292.

CYBERNETICS AND REGULATION THEORY:

[illegible], T.G. - Synthesis of linear optimal systems. p.295.

Nechiporuk, E.I. - Synthesis of logical nets in incomplete and degenerate bases. p.299.

AERODYNAMICS:

Chernyi, G.G. - Hypersonic flow past airfoils at large angles of attack. p.302.

PHYSICS:

Arifov, U.A., and others. - Cathode sputtering of tungsten by potassium ions. p.306.

Bakulina, I.N., Ionov, N.I. - Electron affinity energy of copper, silver, and gold atoms as determined by the surface ionization method. p.309.

Zemtsov, IU.K., Pis'mennyi, V.D., Podgornyi, I.M. - Electron temperature in a high-power impulsive discharge. p.312.

Sobolev, V.V. - Radiation diffusion in a plane layer of large optical thickness. p.316.

TECHNICAL PHYSICS:

Ainbinder, S.B., Grinshtein, A.M. - Carrying capacity of a lubricant layer. p.320.

Vertman, A.A., Samarin, A.M., Filippov, E.S. - Density of iron, nickel, and cobalt in the solid and liquid states. p.323.

Pogil'skii, R.IA., Pankratov, IU.F., Koifman, N.M. - Formation of a nonporous structure in polycrystalline corundum. p.326.

GEOLOGY:

Budagov, B.A. - Nature of recent tectonic movements in the Shakhdag Massif region (southeastern Caucasus) in connection with the discovery of Upper Sarmatian fauna. p.330.

Karpova, G.V., Sheviakova, E.P. - New data on Upper Carboniferous sediments in the transition area of the Greater Donets trough. p.333.

Evteev, S.A., Lazukov, G.I. - Significance of glacial isostasy in the crustal movements in glaciation areas. p.337.

Rudakov, S.G. - Ancient volcanism in the Soviet Carpathians. p.340.

Troitskii, L.S. - Extension and nature of Quaternary glaciation in the Ural Mountains. p.343.

MINERALOGY:

Kliakhin, V.A. - Synthesis of ferroselite under hydrothermal conditions. p.346.

Marchenko, E.IA., Goncharova, E.I. - Role of halogens in the formation and subsequent change of monazite of pneumatolytic-hydrothermal genesis. p.349.

Mustafaev, N.M., Iliukhin, V.V., Belov, N.V. - Crystal structure of roselite $Ca_2Co[AsO_4]_2 \cdot 2H_2O$. p.353.

PETROGRAPHY:

Lebedinskii, V.I. - Peculiar case of trinominal structure of the flow of spilictic lava on Mount Bol'shiye Kamentsy (Transcarpathian Province). p.357.

Malakhova, N.P. - Substitution of foraminifers for quartz and feldspar at early stages of metamorphism. p.361.

GEOCHEMISTRY:

Ettinger, I.L., and others. - Sorption properties of various petrographic components of fossil coals. p.364.

IUdin, I.M. - Distribution of the content of selenium, tellurium and tallium in pyratic-complex-metal ores of various crystalline maturity. p.368.

CHEMISTRY:

Kitaigorodskii, I.I., Khodakovskaia, R.IA., Artamonova, M.V. - Phase transitions in the process of catalytic crystallization of glass in the system SiO_2 - Al_2O_3 - MgO. p.370.

Nikolaev, A.V., Afanas'ev, IU.A. - Thermochemical study of the system $UO_2(NO_3)_2$ - H_2O - tributyl phosphate. p.374.

Sosin, S.L., Korshak, V.V., Val'kovskii, D.G. - Reactivity of hydrocarbons and their derivatives in the polyrecombination reaction. p.376.

Khutoretskii, V.M., Shpanskii, V.A. - Reactivity of noble gases. New method of preparation of XeF_2.

PHYSICAL CHEMISTRY:

Vainshtein, E.E., Chirkov, V.I. - X-ray K-spectra of titanium emission in lower oxides (Ti - $TiO_{0.48}$). p.381.

Garif'ianov, N.S. - Study of some complexes of pentavalent chromium by electron paramagnetic resonance. p.385.

Dyl'kov, M.S., Sanzharovskii, A.T., Zubov, P.I. - Effect of temperature on the long-time adhesion strength of polyethylene. p.389.

Zhukhovitskii, A.A., Grigorian, V.A., Mikhalik, E. - Surface effect of a chemical process. p.392.

Zelentsov, V.V., Kalinnikov, V.T. - Magnetic susceptibility of vanadyl compounds with carboxylic acids. p. 395.

Zvonkova, Z.V., Krivnov, V.IA., Khvatkina, A.N. - New determination of the atomic and electronic structure of dicyandiamide. p.398.

Korsunskii, B.L., Dubovitskii, F.I. - Kinetics of the thermal decomposition of N, N-dimethylnitroamine. p.402.

Leonov, A.I., Vinogradov, G.V. - Rheology of polymers. Theory of thixotropy. p.406.

Revina, A.A., Bakh, N.A. - Free radical reactions in the interaction of oxygen with irradiated potassium palmitate. p.410.

Reikhsfel'd, V.O., Makovetskii, K.L. - Mechanism of the cyclic trimerization of acetylenes on complex organometallic catalysts. p.414.

Smirnov, M.V., Volodin, V.P., Ozerianaia, I.N. - Stationary potential and corrosion of metals in fused salts. p.418.

Stesikov, V.P., Ovchinnikov, IU.V., Kargin, V.A. - Effect of a nonsolvent on the physicomechanical. properties of concentrated polymer solutions. p.422.

Storozhilova, A.I. - Measurement of the rate of motion of aerosol particles in the field of steam diffusion. p.426.

Trapeznikov, A.A. - Degradation of polymer molecules in a solution (polyisobutylene, polymethyl methacrylate) when passing the prestationary stage of deformation. p.430.

Fasman, A.B., Golodov, V.A., Sokol'skii, D.V. - Kinetics and mechanism of the catalytic reduction of quinones by carbon monoxide in solutions. p.434.

CHEMICAL TECHNOLOGY:

Sukharevskii, B.IA., Gavrish, A.M. - Special features of the polymorphic transformation of cristobalite. p.438.

CYTOLOGY:

Kiselev, N.A., Poglazov, B.F. - Molecular organization of the caudal sheath of phage T_2. p.442.

Shabadash, A.L., Zelikina, T.I., Agracheva, N.D. - Cytochemical characteristics of ribonucleoproteids and the deoxyribonucleoproteid complex in the nucleolus of nerve cells. p.445.

GENETICS:

Turbin, N.V., and others. - Restoration of alkaloid biosynthesis in hybrid lupine obtained from crossing incompatible pairs of alkaloidless varieties. p.448.

ECOLOGY:

Chislenko, L.L. - Existence of a relation between fecundity and abundance in marine Harpacticoida (Crustacea, Copepoda). p.451.

BIOPHYSICS:

Lebedeva, O.P., Maksimovich, N.A. - Characteristics of the course of radiation sickness in mice subjected to treatment with bone marrow and immunization. p.454.

Fradkin, G.E. - Stability of functionally inhomogeneous parts of DNA in relation to ionizing radiation. p.457.

Shtrankfel'd, I.G. - Ultraviolet luminescence of muscles in different functional states. p.461.

BIOCHEMISTRY:

Kretovich, V.L., Vakar, A.B. - Effect of D_2O on the physical properties of wheat gluten. p.465.

Filippovich, IU.B., Beliaeva, N.N. - Specificity in the biosynthesis of silk fibroin. p.468.

ZOOLOGY:

Petipa, T.S. - Fat metabolism in Calanus helgolandicus (Claus) under experimental conditions. p.470.

PHYSIOLOGY:

Bazanova, I.S., and others. - Relationship between the diameter of the synapses of neurons of the anterior horns of the spinal cord in the cat and the functional state of the central nervous system. p.474.

Gorgiladze, G.I., Fedorov, V.M. - Activating effect of vestibular stimulation on the electrocorticogram. p.478.

Gurvich, A.E., Drizlikh, G.I. - Effect of antibodies present in the medium on the biosynthesis of similar antibodies by spleen cells. p.482.

Komarova, T.F., Firsov, L.A. - General sugar content in the blood of a chimpanzee. p.486.

Vol.155, no.3, Mar. 1964.

Table of contents translated:

MATHEMATICS:

Agranovich, M.S. - General boundary value problems for integrodifferential elliptic systems. p.495.

Askerov, N.G., Krein, S.G., Laptev, G.I. - A certain class of non-self-adjoint boundary value problems. p.499.

Biluta, P.A. - Some extremum problems in a class of mappings quasi-conformal in the mean. p.503.

Birman, M.Sh., Entina, S.B. - Approach to the steady-state version of the abstract theory of scattering. p.506.

Veits, B.E. - Some characteristics of absolute bases. p.509.

Garkavi, A.L. - Approximate properties of finite-defect subspaces in a space of continuous functions. p.513.

Grepachevskaia, L.V. - Absolute summability by Cesàro's, Riesz's, and Zygmund's methods. p.517.

Zhizhiashvili, L.V. - Conjugate functions of two variables and double conjugate trigonometric series. p.521.

Ovsepian, S.G. - First boundary value problem for certain differential equations with constant coefficients. p.524

Pokazeev, V.I. - A representation of generalized analytic automorphic functions. p.528.

Sergeev, M.I. - Completely FN-factorizable groups. p.532.

Smirnov, D.M. - Groups solvable generally and their group rings. p.535.

Tersenov, S.A. - Riemann - Hilbert's problem for a system of equations degenerate at the boundary. p.538.

PHYSICS:

Khabarov, E.N., Sharavskii, P.V. - Properties of saturated solid solutions of InSb - CdTe. p.543.

CRYSTALLOGRAPHY:

Kiosse, G.A., Golovastikov, N.I., Belov, N.V. - Crystalline structure of the mixed d, 1-NH_4Sb tartrate of d, 1-$(NH_4)_2[Sb_2(C_4H_4O_6)_2] \cdot 4H_2O$. p.546.

GEOLOGY:

Barkhatova, N.N., Nemkov, G.I. - Zones of large foraminifers in the Eocene sediments of the Mangyshlak Peninsula. p.549.

Borukaev, Ch.B., D'iakonov, A.I. - Tuapse zone of lateral shifts (northwestern Caucasus). p.553.

Velichko, A.A., and others. - First determinations of the absolute age of fossil soils in the loess of the East European Plain. p.556.

Vostrukhina, T.M., Ladyshkina, T.E. - New data on the study of Quaternary sediments in the Kem' region of Karelia. p.559.

Ermolaev, D.I., Teslenko, IU.V. - Paleobotanical materials on the stratigraphy of Jurassic sediments in the Irkutsk coal basin. p.562.

Zhivago, A.V., Isaev, E.N., Ushakov, S.A. - Relation of the geomorphology of the transition zone of Antarctica to the structure and thickness of the earth's crust. p.565.

Izokh, E.P., Nguyen Van T'en. - Late geosynclinal ultrabasites in North Vietnam. p.569.

Tarasevich, IU.N., Volkov, A.N., Tabolakov, A.IA. - Geology of the Poronaysk Lowland on Sakhalin. p.573.

Troitskii, L.S. - Southern limits of the Pleistocene transgressive overlap in the northeast of the European part of the U.S.S.R. p.576.

Cheremisinova, E.A. - Age of marine interglacial (Yoldia) clay in the Gdanskaya Bukhta (Poland). p.580.

PETROGRAPHY:

Potap'ev, V.V. - Reduction in the refraction indices of biotites in the late phase granites of the Kolyvan' Massif (Altai). p.583.

Smolin, P.P. - Formation types of ultrabasites and their mineragenesis. p.586.

PALEONTOLOGY:

Koziar, L.A., Meier, K.I. - Remains of Chlamidosperma in Lower Carboniferous sediments. p.589.

CHEMISTRY:

Arbuzov, B.A., Naumov, V.A., Alekseev, N.V. - Electron diffraction study of the α-pinene oxide molecule. p.592.

Kaliavin, V.A., Smolina, T.A., Reutov, O.A. - Mechanism of isotopic exchange between organomercury salts and mercury halide. p.596.

Litvinenko, V.I. - Chalcone glycosides of Glycyrrhiza glabra L. p.600.

Nesmeianov, A.N., Borisov, A.E., Savel'eva, I.S. - Acidolysis kinetics of symmetrical aromatic and aliphatic compounds of mercury. p.603.

Nikolaev, A.V., Bogatyrov, V.L., Vulikh, A.I. - Ion exchange system H', Ca'' // R', Cl' H_2O investigated by the ray method. p.607.

Svechnikov, V.N., Kobzenko, G.F. - Chromium - molybdenum phase diagram. p.611.

Sukharevskii, B.IA., Lysak, S.V. - Effect of dislocations on the temperature characteristics of the polymorphic transformation of cristobalite. p.615.

Khorlin, A.IA., Ven'iaminova, A.G., Kochetkov, N.K. - Structure of calopanax-saponin A. p.619.

Shoverdina, N.I., and others. - Preparation of R_2Zn-type organozinc compounds in the aromatic, heterocyclic, and aliphatic-aromatic series by means of the Grignard reagent. p.623.

PHYSICAL CHEMISTRY:

Balandin, A.A., [illegible], Fedorovich, [illegible] - Mechanism underlying the interaction of cyclohexane with the surface of a metallic catalyst. p.626.

Berezin, V.I. - Vibrational spectra and aromaticity of six-membered azacycles. p.629.

[illegible], L.V., Markin, A.S. - Estimation of the state of chemical bonds from the magnetic fine structure of electron paramagnetic resonance spectra of manganese. p.632.

Gol'danskii, V.I., Firsov, V.G., Shantarovich, V.P. - Determination of the kinetic constants of interaction between positronium and inorganic ions. p.636.

[illegible], Effect of the structure of porous bodies on the specific surface value determined by the gas permeability method. p.640

Deryagin, B.V., [illegible] - [illegible] of a drop coated by an adsorbed layer. p.644

[illegible] - [illegible] relation between [illegible] p.647.

[illegible] - Some properties of mercury sulfide films on the surface of a mercury electrode. p.651.

[illegible], V.A. - Photooxidation of [illegible] sulfite. p.654

[illegible], V.A. - [illegible] Photochemical processes in a thin [illegible] layer. p.658.

[illegible] - Properties of the double layer [illegible] p.662

[illegible] p.66[illegible]

[illegible]

[illegible] p.6[illegible]

[illegible] p.670

[illegible]

[illegible] state of Lake Baikal. p.67[illegible]

[illegible] p.6[illegible]

[illegible] p.687

[illegible]

[illegible] - Mechanism [illegible] the organism after the exposure of the organism to ionizing radiation. p.69[illegible]

[illegible] - Role of [illegible] synthesis of DNA in the activation of the genetic apparatus of differentiated cells in the course of their enhanced physiological function. p.69[illegible]

[illegible] - Effect of the growth conditions on the wheat [illegible] p.702.

EXPERIMENTAL MORPHOLOGY

[illegible] - Nature of the growth of [illegible] tissues under the conditions of [illegible] p.70[illegible]

PHYSIOLOGY

[illegible], N.A. - Adaptation of bladder [illegible] receptors. p.707.

[illegible], V.P., [illegible], A.A. - [illegible] information [illegible] system. p.711

[illegible], V.I. - Realization of the [illegible] trophic vagal effect in [illegible] functions. p.715.

[illegible], T.A. - Reduction of the tonic effect of [illegible] on the neuromuscular preparation of a cold-blooded animal. p.719

Vol. 155, no. 4, Apr. 1964

Table of contents translated

MATHEMATICS:

[illegible], T.M. - Free products of the [illegible] of primitive classes of algebras. p.727.

Bondar, A.V. - Particular case of the directional derivative problem for harmonic functions in three-dimensional regions. p.730

[illegible], I.V., [illegible] - Determining the principal indices of Laurent series. p.733.

Volkov, E.A. - Effective estimation of the error involved in solutions by the method of differences of the Dirichlet problem for the Laplace equation on polygons. p.736.

[illegible], N.A. - General boundary value problem with a shift for a second-order elliptic equation. p.739.

Kruzhkov, S.N. - Cauchy problem in the large for nonlinear equations and certain first-order quasilinear systems with several variables. p.742.

[illegible] p.747.

[illegible] p.751.

[illegible]

[illegible]

[illegible] p.7[illegible]

[illegible]

[illegible] - Chemical reactions of [illegible] and organoelement compounds of mercury. p.850

[illegible] - Case of anomalous addition of [illegible] p.853

[illegible] - Polymerization of [illegible] p.856

[illegible] - Conditions for primary film [illegible] during aluminum oxidation in neutral solutions. p.859

Mironov, V.F., [illegible], Petrov, A.D. - Synthesis of 1,1- and 1,3-[illegible] p.863

[illegible], V.G., [illegible] - Spectrophotometric study of aqueous solutions of [illegible] p.866.

[illegible] - [illegible] Strength of the [illegible] bond in the [illegible] ring and the synthesis of new [illegible] derivatives. p.869.

[illegible], A.V., Grigor'ev, V.A. - Coprecipitation in the system Zn^{2+} - Co^{2+} - $[Hg(SCN)_4]^{2-}$ studied by means of radioactive isotopes. p.872.

[illegible], and others. - Redox potentials of [illegible] p.875?

[illegible], A.A., [illegible], L.B. - Certain substitution reactions in the [illegible] series. p.878.

[illegible] - Certain problems involved in the [illegible] p.86[illegible]

[illegible] - Oxidizing [illegible] p.8[illegible]

[illegible] p.872.

[illegible] - Effect of [illegible] p.874.

PHYSICAL CHEMISTRY

[illegible] - [illegible] p.876.

[illegible] - Crystallization [illegible] p.881.

[illegible] p.88[illegible]

[illegible] p.8[illegible]

[illegible] p.89[illegible]

[illegible] p.9[illegible]

[illegible] p.9[illegible]

[illegible] p.91[illegible]

[illegible] p.927

[illegible] p.93[illegible]

[illegible] p.933

[illegible] - Mechanism of the [illegible] development of radiation cataracts [illegible] p.940

[illegible] - Changes in the amino acid composition of total proteins in the [illegible] p.944

[illegible], E.O., Shapot, V.S. - Characteristics of the glucose consumption by ascitic tumor cells in vivo. p.947

Lerman, M.I. - Nature of ribonucleic acid in nucleoli and [illegible] chromosomes. p.950.

[illegible], V.V. - Effect of aliphatic acids on the structure of the trypsin molecule. p.953.

[illegible], V.N., and others. - DNA synthesis in the silk gland of the mulberry silkworm. p.957.

[illegible], M.M., [illegible], L.G. - Optical rotatory dispersion of [illegible] with metal ions. p.961.

PLANT PHYSIOLOGY

Andreenko, S.S., Potapova, N.G., [illegible], L.G. - Effect of the bleeding sap of corn grown in various soil media on the cation growth in carrots. p.964

[illegible], Z.G. - Study of the electric current flow [illegible] trees. p.967.
ANIMAL MORPHOLOGY:
[illegible] - [illegible] data on the synaptic organiza- tion [illegible] plate of the forebrain in the [illegible]. p. [illegible].
[illegible] MORPHOLOGY:
[illegible], E.K., Ar[illegible], M.Z. - Cholinesterase in the [illegible] of the lateral line of bony fishes. p.974.
[illegible]:
[illegible], A.A., [illegible], A.M. - Effect of [illegible] on the state and synthesis of DNA and on [illegible] cell division in the thymus of [illegible] rats. p.978.
[illegible], M.IA. - Variation in the electrical and [illegible] activity of the [illegible] muscle of the [illegible] Spirifera (Herbst.) [illegible] supplementary [illegible] inhibition. p. [illegible].
[illegible], A.I. - [illegible] hypercholesterinemia [illegible] in rats exposed to a pro- [illegible] of stimulants on the central nervous system. p.[illegible].
[illegible]:
[illegible], E.A. - Biological determina- tion of [illegible] prolactin in human embryo- [illegible]. p.[illegible].

Vol. 155, no. 5, Apr. 1964.
Table of contents translated:
MATHEMATICS:
Za[illegible], IA.M. - Approximate solution of the Dirichlet problem for Laplace's equation. p. 999.
Kemkhadze, Sh.S. - Quasi-nilpotent groups. p. 1003.
Nersesian, A.B. - Theory of Volterra integral equations. p. 1006.
Novikov, S.P. - Foliations of codimension 1 on mani- folds. p. 1010.
Poliakov, V.Z. - Open mappings of proximity spaces. p. 1014.
[illegible], V.IU. - Metrization of Lipshitz spaces. p. [illegible].
CYBERNETICS AND REGULATION THEORY:
[illegible], L.S. - A problem concerning the synthesis of controllable systems. p. 1022.
Ko[illegible], G.E. - Theory of a class of discrete self- correcting systems. p. 1025.
TSypkin, IA.Z. - Criterion of the absolute stability of pulse automatic systems with monotone character- istics of the nonlinear element. p. 1029.
ASTRONOMY:
Zel'dovich, IA.B., Novikov, I.D. - Emission of gravitational waves by bodies moving in the field of a collapsing star. p. 1033.
Kotel'nikov, V.A., and others. - Radar contact with Jupiter. p. 1037.
Shklovskii, I.S., Kardashev, N.S. - Gravitational waves and superstars. p. 1039.
MATHEMATICAL PHYSICS:
Krasnushkin, P.E. - Generalized normal waves in chain structures. p. 1042.
PHYSICS:
[illegible], A.A., Bolsun, A.I. - General calculation of the matrix elements for polarized vector particles. p. 1046.
Ermolaev, A.M., Sochilin, G.B. - Ground state of two-electron atoms and ions. p. 1050.
TECHNICAL PHYSICS:
Spektor, IA.I., Sarrak, V.I., Entin, R.I. - Causes of the effect of nickel on the cold shortness of iron. p. 1054.
GEOPHYSICS:
Afanas'ev, G.D., and others. - Elastic wave velocities in ultrabasic rocks of the Monchegorsk pluton under high all-round pressure. p. 1058.
Marchuk, G.I. - Theoretical model of weather forecasting. p. 1062.
ELECTRICAL ENGINEERING:
Rozenblat, M.A., Kasatkin, O.G. - Magnetic inte- gration and differentiation of electric signals. p. 1066.
GEOLOGY:
Volkov, N.G. - Map of the isodeformation of the Dnieper-Donets Lowland and its tectonic interpre- tation. p. 1071.
Leleshus, V.L. - Recent data on the Upper Paleozoic stratigraphy and paleogeography of the southern Tien Shan. p. 1075.
Salin, IU. - Miocene zoogeography of Kamchatka and the volcanism of the Central Range. p. 1078.
MINERALOGY:
Borisov, S.V., and others. - Crystal structure of creedite $Ca_3Al_2(F,OH)_{10}SO_4 \cdot 2H_2O$. p. 1082.
PETROGRAPHY:
[illegible]arov, IU.M. - Hypogene anhydrite in the Alekseevskoye copper ore deposit in the Central Ural Mountains. p. 1085.
Fominykh, V.G., Sviazhin, N.V. - Composition of the accessory magnetites and titanomagnetite in alkali rocks of the Central Ural Mountains. p. 1088.
GEOCHEMISTRY:
Vlasov, K.A. - Periodic law, isomorphism and paragenesis of elements. p. 1091.
CHEMISTRY:
Beletskaia, I.P., Fetisova, T.P., Reutov, O.A. - Influence of the substituents in the electrophilic bimolecular substitution reaction. p. 1095.
Belotserkovskaia, N.G., Ginzburg, O.F. - Quasitautomeric transformations of aminotriphenyl- carbinols. p. 1098.
Brester, L.S., Dolgoplosk, B.A., Kropacheva, E.N. - Polymerization of cis- and trans-piperlyene under the effect of catalytic coordination systems. p. 1101.

Vul'fson, N.S., Zaretskii, V.I., Zaikin, V.G. - Mass spectrometry of natural furanocoumarins. p. 1104.
Viazankin, N.S., and others. - First metallo-organic compounds with Si-Si-Hg and Si-Hg-Ge groups. p. 1108.
Glukhovtsev, V.G., Zakharova, S.V., Petrov, A.D. - Synthesis of dialdehydes of the furan series. p. 1111.
Zhdanov, IU.A., and others. - Condensation of 1-methyl-3-phenyl-5,6,7,8-tetrahydroisochromy- lium perchlorate with aromatic aldehydes. p. 1115.
Zakharkin, L.I., and others. - Synthesis and study of the properties of a new class of organoboron compounds: $B_{10}C_2H_{12}$ ("baren") and its derivatives. p. 1119.
Kozina, M.P., and others. - Heat of formation of spirocyclane hydrocarbons. p. 1123.

Nametkin, N.S., and others. - Bromo- and acetoxy derivatives of dihydrideparaphenylenedisilanes. p. 1126.
Nesmeianov, A.N., and others. - Photolysis of ferrocene derivatives. p. 1130.
Rabinovich, E.A., Shatenshtein, A.I. - Mobility of hydrogen in the methoxy group of aromatic compounds as dependent on other substituents. p. 1134.
Rizpolozhenskii, N.I., Boiko, L.V., Zvereva, M.A. - Synthesis of glycidyl esters of phosphorus acids. p. 1137.
Sladkov, A.M., and others. - Synthesis of polyesters containing triple bonds in the chain. p. 1140.
Freidlin, L.Kh., Litvin, E.F., Chursina, V.M. - Stage mechanism underlying the reduction of β-nitrostyrene in an acid medium on Pd black. p. 1144.

Khaimova, M.A., Bognar, R. - Interactions of some alkaloids of the morphine series with iodine chloride. p. 1148.
Khotyntseva, L.I., Bogomolov, A.I., Faizullina, E.M. - Reduction of high-molecular weight aliphatic ketones to hydrocarbons in the presence of aluminosilicate catalysts. p. 1152.
PHYSICAL CHEMISTRY:
Gil'man, V.A., Kolotyrkin, IA.M. - Mechanism of zirconium dissolution in acid fluoride solutions. p. 1155.
Gurevich, IU.IA., Miamlin, V.A. - Faraday's rectification of the contact electrolyte-semi- conductor. p. 1159.
Dzhagatspanian, R.V., and others. - Radiation- induced chlorination of some organochlorosilanes and organopolysiloxanes. p. 1163.
Myl'nikov, V.S., Terenin, A.N. - Spectral sensiti- zation by dyes of the intrinsic photoeffect of copper phenylacetylide. p. 1167.
Rapoport-Molodtsova, N.IA., and others. - Fibrous structures and the formation of an isotactic polystyrene jelly. p. 1171.
OCEANOLOGY:
Belousov, I.M., Kanaev, V.F., Marova, N.A. - Bottom relief of the northern part of the Indian Ocean. p. 1174.
CYTOLOGY:
Ushakov, V.B. - Cause of thermal death of skeletal muscles in cold-blooded animals. p. 1178.
HISTOLOGY:
Katsnel'son, Z.S. - Adrenaline and nonadrenaline cells in the adrenal glands of a pig. p. 1182.
MICROBIOLOGY:
Gauze, G.F., Kochetkova, G.V., Bibikova, M.V. - Study of mutants with oxidation deficiency in Bacillus subtilis. p. 1184.
BIOPHYSICS:
Braude, A.I. - Effect of a single total-body gamma irradiation on macrophages. p. 1188.
Gabelova, N.A., Aleinikova, K.S., Frank, G.M. - Unusual remodeling of the striated structure of myofibrils with shortening of the anisotropic disks. p. 1192.
Komissarov, G.G., and others. - Photosensibilizing capacity of absorbed carotene. p. 1194.
Rapoport, S.IA., Krichevskaia, E.I., Zubkova, S.R. - Interaction of biogenic amines in the mechanism of the protection from the effect of ionizing radiation by histamine. p. 1198.
BIOCHEMISTRY:
Antonov, A.S., and others. - Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. p. 1201.
Luzikov, V.N., Burlakova, E.B. - Nature of the thermal aftereffect in trypsin solutions irradiated by X rays. p. 1205.
Minaev, P.F., and others. - Change in the radio- sensitivity of nerve tissue under the effect of arsenic compounds. p. 1209.
Saakov, V.S. - Role of carotenoids in the mechanism of oxygen transfer in photosynthesis. p. 1212.
PLANT PHYSIOLOGY:
Babushkin, L.N. - Physiological significance of the process of water vapor absorption by plant leaves. p. 1216.
Baslavskaia, S.S., Bystrova, E.I. - Effect of light on the phosphorus metabolism in protococcal algae. p. 1220.
Volkov, G.A. - Change in the dormancy potential of an individual cell of the alga Nitella flexilis after stimulation by light. p. 1224.
ZOOLOGY:
Gureev, A.A. - Phylogeny of the order of Lagomorpha (Mammalia) in the light of the recent data of paleontology and comparative morphology. p. 1227.
PHYSIOLOGY:
Aspiz, M.E. - Effect of cholesterine on the structure and function of the thyroid gland. p. 1230.
Gazenko, O.G., and others. - Change in the rhythmicity of the neurons of the reticular formation in transverse overloads. p. 1233.
Grigor'ian, R.A. - Induced electrical activity of phylogenetically different regions of the cerebellum in cats. p. 1237.

Vol. 156, no. 1, May 1964
Table of contents translated:
MATHEMATICS:
Arnol'd, V.I. - Instability of dynamic systems with many degrees of freedom. p. 9.
Gerver, M.L. - Possible rate of decrease of the solution to an elliptic equation. p. 13.
Gorchakov, IU.M. - Existence of Abelian subgroups of infinite rank in locally solvable groups. p. 17.
Doichinov, D. - Unified theory covering topological spaces, spaces of proximity, and uniform spaces. p. 21.
Zaslavskii, I.D. - Differentiation and integration of constructive functions. p. 25.
Narchaev, A. - First boundary value problem for elliptic equations degenerate at the domain bound- ary. p. 28.
Flaksmaier, IU. - Systems of canonical open (closed) sets. p. 32.
HYDROMECHANICS:
Iordanskii, S.V., Kulikovskii, A.G. - General con- dition for the stability of higher correlation func- tions in a plasma. p. 35.
THEORY OF ELASTICITY:
Zadoian, M.A. - One particular solution to certain equations in the theory of ideal elasticity. p. 38.
Zvolinskii, N.V. - Plane explosion waves in an elasto- plastic medium. p. 40.
ASTRONOMY:
Ginzburg, V.L. - Magnetic fields of collapsing masses and the nature of superstars. p. 43.
Zaslavskaia, N.I., Zotkin, I.T., Kirova, O.A. - Size distribution of pellets of cosmic origin in the region of the fall of the Tungus meteor. p. 47.
MATHEMATICAL PHYSICS:
Volosov, V.M., Morgunov, B.I. - Steady-state resonance modes of certain oscillatory systems. p. 50.
PHYSICS:
Bogdanova, I.P., Bochkova, O.P., Frish, S.E. - Role of molecular-ionic formations in the excita- tion of atomic spectrum lines. p. 54.
Zel'dovich, IA.B., Podurets, M.A. - Neutrino lumi- nosity of a star in gravitational collapse under the general theory of relativity p. 57.
Lamikhov, L.K., Samsonov, G.V. - Aluminum modi- fications by admixtures of transition metals. p. 61.
Mikhailovskii, A.B., Pogutse, O.P. - Effect of collisions on the drift instability of a plasma at a finite Larmor ion radius. p. 64.
TECHNICAL PHYSICS:
Bulychev, D.K., and others. - Structural defects and plastic deformation of copper at high pressures. p. 67.
Litvin, D.F., Poniatovskii, E.G. - Effect of pressure on the temperature of the antiferromagnetic trans- formation of chromium. p. 69.
GEOPHYSICS:
Izrael', IU.A., and others. - Tritium content in glaciers. p. 72.
GEOLOGY:
Khotinskii, N.A. - Comparison of the diagrams of zonal division of the Late and Post-Glacial time using synchronizing levels. p. 74.
GEOCHEMISTRY:
Bazilevich, N.I., Rodin, L.E. - Cycle of ash ele- ments and nitrogen in the main types of vegetation in the Northern Hemisphere of the Old World. p. 78.

PALEONTOLOGY:

Dorofeev, P.I. - Sarmatian flora of Apsheronsk. p.82.

Kolesnikova, T.D. - Caldesia parnassifolia (Bassi) Parl. in the Quaternary sediments of Vologda Province. p.85.

CHEMISTRY:

Botvinik, M.M., and others. - Infrared spectroscope study of the mechanism underlying the formation of p-nitrophenyl esters of benzoyl amino acids and acyl peptides by the carbodiimide method. p.88.

Dzizenko, A.K., and others. - NMR spectra of genins from glycosides of Panax ginseng C.A.Mey. p.92.

Kaliavin, V.A., Smolina, T.A., Reutov, O.A - Monomolecular mechanism of isotopic exchange between benzylmercuri halides and radioactive mercury halides. p.95.

Nesmeianov, A.N., and others. - Alkylation of ferrocene. p.99.

Ponomarev, A.A., Noritsina, M.V., Kriven'ko, A.P. - Catalytic synthesis of α-pyrrolidyl- and α-octahydroindolyl 3-alkanols. p.102.

Ryzhmanov, IU.M., and others. - Electron paramagnetic resonance of meta-substituted α-,α-diphenyl-β-picrylhydrazyl. p.106.

Riabchikov, D.I., TSitovich, I K., Torpudzhian, M.K. - Mineral ion exchangers based on titanium. p.110.

Tupikov, V.I., Pshezhetskii, S.IA. - Free valence migration in stabilized olefin radicals under the effect of light. p.114.

PHYSICAL CHEMISTRY:

Abbasov, A.S., and others. - Thermodynamic properties of indium arsenide studied by the electromotive force method. p.118.

Belous, V.M., Chibisov, K.V. - Luminescence studies of the role played by admixed silver centers in the photolysis of silver halides. p.121.

Gurinovich, G.P., and others. - Mechanism of the regeneration of porphyrins subsequent to photoreduction. p.125.

Damaskin, B.B. - Selection of the adsorption isotherm equation. p.128.

Zemlianskii, N.N., and others. - Structure of compounds with a stannoxane bond studied by means of dipole moments and infrared spectra. p.131.

Mazitov, R.K. - Magnetic relaxation of protons and deuterons in aqueous solutions of Cr^{3+} ions. p.135.

Pen'kov, I.N., Safin, I.A. - Nuclear quadrupole resonance in orpiment. p.139.

Samitov, IU.IU., Aminova, R.M. - Nuclear magnetic resonance spectra of protons of ferrocene compounds and magnetic anisotropy of ferrocene. p.142.

Teitel'baum, B.IA., Anoshina, N.P. - Thermographic study of the low-temperature crystallization of natural rubber. p.145.

Cherniuk, I.N., Dilung, I.I. - Stimulating effect of some compounds on the quenching of chlorophyll fluorescence by nitro compounds. p.149.

IAkovleva, G.S., and others. - Detonation velocity of liquid hydronitric acid. p.152.

CHEMICAL TECHNOLOGY:

Aleinikov, F.K. - Electron microscope study of the fine structure of glass with the aid of ultrathin sections. p.154.

Budnikov, P.P., Zlochevskaia, K.M. - Synthesis and properties of mullite-spinel ceramics. p.158.

Rozenfel'd, I.L., Persiantseva, V.P. - New principle of anticorrosive protection by inhibitors. p.162.

SOIL SCIENCE:

Galstian, A.Sh. - Soil dehydrogenases. p.166.

CYTOLOGY:

Vasil'ev, IU.M., and others. - Characteristics of cellular complexes of the ascitic mouse hepatoma 22. p.168.

Gachechiladze, R.G., Tumanishvili, G.D. - Change in the nucleic acid content of a regenerating rat testicle under the influence of rabbit testicle extract. p.171.

Chernogriadskaia, N.A., and others. - Intrinsic ultraviolet fluorescence of mitochondria. p.174.

HISTOLOGY:

TSinzerling, A.V. - Change in the inflammational reaction in the process of immunization; experiments with Candida albicans. p.177.

Shchitkov, K.G. - Some morphologic changes in the liver following inoculation of the Brown-Pearce tumor in the stomach. p.179.

MICROBIOLOGY:

Shaposhnikov, V.N., Krasil'nikova, E.N. - Effect of glyceric and pyruvic acid on the fermentation produced by Lactobacterium delbrueckii. p.183.

BIOPHYSICS:

Gromakovskaia, M.M. - Role of histamine and serotonin in radiation changes in the excitability of the vagus nerve center. p.187.

Kudriashov, IU.B., Baltbarzdys, Z., Le-dak Lieu. Possibility of an indirect effect of ionizing radiation in lipid solutions; radiolysis of β-carotene in oleic acid. p.191.

Pozhidaev, E.A. - Mortality in rat embryos (F_1) following the irradiation of perental gametes (P) with small doses of X rays at various periods of their ontogeny. p.194.

BIOCHEMISTRY:

Biriuzova, V.I., and others. - Subunits in the cytoplasmatic membranes of Micrococcus lysodeikticus. p.198.

Romantsev, E.F., Kalistratov, G.V. - Inclusion of C^{14}-β-mercaptopropylamine into the proteins of isolated microsomes, nuclei and mitochondria of the liver of mice. p.200.

PLANT ECOLOGY:

Karpov, V.G. - Experimental study of the mechanism of the successions of forest biogeocenoses in the taiga zone. p.203.

PLANT PHYSIOLOGY:

Aliev, D.A. - Effect of microelements on the activity of cytochrome oxidase of plants. p.207.

Korchagina, O.A. - Shift in the carbohydrate metabolism of wheat leaves during the photoperiod of development. p.209.

Maevskaia, A.N., Alekseeva, Kh.A. - Effect of boron deficiency on the adenosinetriphosphatase activity of the sunflower. p.212.

Pyl'neva, P.N., Mosolov, I.V. - Use of urea by the corn root system. p.214.

Chernenko, E.S. - Characteristics of growth and flowering of apple trees produced from crown and root tissues. p.218.

PHYSIOLOGY:

Babskii, E.B., and others. - Radiotelemetric study of the pH in the digestive tract. p.222.

Giurdzhian, A.A., Apanasenko, Z.I. - Functional state of the equilibrium organ in white rats raised under conditions of daily accelerations. p.225.

Synovets, A.S., Butenko, G.M. - Distribution of radioactive chlorine in the organism of a rat with acute intestinal obstruction. p.228.

EMBRYOLOGY:

Kucherenko, P.R. - Effect of overheating on the developing brain. p.230.

Vol.156, no.3, May 1964.

Table of contents translated:

MATHEMATICS:

Gel'fand, I.M., Graev, M.I., Piatetskii-Shapiro, I.I. - Representations of adele groups. p.487.

Guseinov, A.I., Mukhtarov, Kh.Sh. - One class of nonlinear singular integral equations with Cauchy kernels in a class of functions vanishing at the ends. p.491.

Kalmykov, G.I. - Correlation functions of a Gaussian Markov process. p.495.

Mamedov, R.G. - Local saturation of a family of linear positive operators. p.499.

Marchuk, G.I. - Formulation of certain inverse problems. p.503.

Merzliakova, G.D - Use of the method of finite differences in solving boundary value problems on Riemann surfaces. p.507.

Murskii, V.L. - Transformations of certain types of schemes related to finite automata. p.510.

Romanovskaia, I.L. - The Fisher - Welch - Wald test. p.513.

Rofe-Beketov, F.S. - Test of the finiteness of the number of discrete levels introduced into the lacunae of a continuous spectrum by the perturbations of the periodical potential. p.515.

Pustyl'nik, E.I. - Potential type operators in the case of sets with abstract measures. p.519.

IAkovlev, M.N. - Solution of nonlinear equations by the iteration method. p.522.

CYBERNETICS AND REGULATION THEORY:

Tumanian, G.B. - Minimization of indecomposable Boolean functions by the approximate functional decomposition method. p.525.

HYDROMECHANICS:

Saltanov, N.V., Tkalich, V.S. - Nonsteady-state magneto-gas dynamic problem. A Riemann wave analog. p.529.

Surovikhin, K.P. - Group classification of equations describing one-dimensional unsteady gas flows. p.533.

TECHNICAL PHYSICS:

Morozov, E.M., Polak, L.S., Fridman, IA.B. - Variational principles governing the development of cracks in soils. p.537.

CRYSTALLOGRAPHY:

Gorokh, A.V., Rusakov, L.N., Savinskaia, A.A. - Synthesis and characteristics of molybdenum sesquisulfide Mo_2S_3. p.541.

GEOLOGY:

Adyshev, M.M. - Stratigraphic position of a vanadium-bearing carbonaceous-siliceous-schistose formation in the Tien Shan. p.543.

Babanova, L.I. - Stratigraphic and facies distribution of Jurassic brachiopods in the eastern part of the Crimean Mountains. p.547.

Bogdanov, IU.B., and others. - Structural relations between the Karelian and the Belomorsk formations in the Kem' region of eastern Karelia. p.550.

Deich, S., and others. - Comparative data on the absolute age of rocks in the Queen Maud Land (Antarctic). p.554.

Zhestkova, T.N., and others. - Formation of glacial horizons in epigenetic frozen strata. p.558.

Neprochnov, IU.P., and others. - Recent data on the crustal structure of the Black Sea trough, south of the Crimea. p.561.

Firsov, L.V. - First determinations of the absolute age of granitoids in Sakhalin. p.565.

MINERALOGY:

Bykov, A.D. - Proarizonite as a secondary mineral of the supergene alteration of ilmenite. p.567.

Kostiuk, V.P. - Complement to the diopside-hedenbergite-aegirine diagram. p.571.

Popova, G.B., Ershov, V.V., Kuznetsov, V.A. - Experimental study of melting and crystallization processes in pentlandite. p.575.

Portnov, A.M. - Strontium perrierite in the northern part of the Lake Baikal region. p.579.

Chepizhnyi, K.I. - Scandium in minerals from mountain crystal deposits in the subarctic Ural Mountains. p.582.

PETROGRAPHY:

Bairakov, V.V. - Find of xenoliths of eclogitelike rocks in a lamprophyric dike of the October alkali massif. p.586.

Bocharova, G.I. - Bitumens in hydrothermal veins of the Kurultyk deposit (eastern Transbaikalia). p.590.

German, A.K. - New data on the genesis of pyritic deposits. p.592.

GEOCHEMISTRY:

Rekharskii, V.I. - Characteristics of the distribution of elements in igneous rocks from the viewpoint of the periodic concentration coefficient. p.594.

CHEMISTRY:

Akopov, E.K. - Exchange decomposition and variation of the isobaric potential in melts. p.598.

Vasil'eva, E.I., Keda, B.I., Freidlina, R.Kh. - Telomerization of vinyl acetate by chlorocyanogen. p.601.

Getnarski, B.J. - Complexes with charge transfer formed by ferrocene with trinitro derivatives of benzene. p.604.

Nametkin, N.S., Chernyshova, T.I., Kartasheva, L.I. - Organosilicon compounds with thienylene-carbon links. p.608.

Nesmeianov, A.N., and others. - Bimetallic derivatives of the carbonyls of chromium, molybdenum, and tungsten. p.612.

Nikolaev, A.V., and others. - Extraction of uranyl nitrate by the derivatives of pyridine-N-oxides. p.616.

Toropov, N.A., Bondar', I.A., Piriutko, M.M. - New crystalline modification of yttrium orthosilicate having a garnet structure. p.619.

Frolov, A.F. - New method of representing the equilibrium between two liquid phases of a four-component system. p.622.

Sharpatyi, V.A., and others. - Radiolysis of polyamides. p.626.

PHYSICAL CHEMISTRY:

Alfimov, M.V., and others. - Excitation by fast electrons of the triplet states of naphthalene molecules in solid solutions. p.630.

Baltenas, R.A., Igonin, L.A. - Self-adhesion of polyethylene under high pressure. p.634.

Bystrov, V.F., and others. - Additive relations for chemical shifts in magnetic resonance spectra on F19 nuclei of fluophosphates and fluophosphonates. p.637.

Garif'ianov, N.S., Kozyrev, B.M., Fedotov, V.N. - Electron paramagnetic resonance in thiocyanate complexes of Mo (V) and W (V). p.641.

Geguzin, IA.E., Solunskii, V.I. - Effect of the electric field on the development of porosity during mutual diffusion in single alkali-halogen crystals. p.644.

Grishina, A.D., Vannikov, A.V. - Relation between the paramagnetic and electric properties of some organic semiconductors. p.647.

Delimarskii, IU.K., Gorodyskii, A.V., Grishchenko, V.F. - Cathode liberation of carbon from molten carbonates. p.650.

Distler, G.I., Sotnikov, P.S., Kortukova, E.I. - Effect of the structure of polyvinyl alcohol films on the mechanism of their pyrolysis. p.652.

Zhukhovitskii, A.A., and others. - Diffusion of frontal zones and the calculation of the composition of mixtures in gas carrier-free chromatography. p.654.

Kardash, I.E., Pravednikov, A.N., Medvedev, S.S. - Thermal degradation of polyethylene terephthalate. p.658.

Lavrov, N.V. - Characteristics of the carbon combustion mechanism. p.662.

Merzlov, V.P., Pchelin, V.A. - Role of ionogenic groups in conformation conversions of gelatin. p.666.

Papisov, I.M., and others. - Nature of the initiator and the phase state of acetaldehyde as influencing the chemical structure of macromolecules formed during acetaldehyde polymerization. p.669.

Podlovchenko, B.I., Gorgonova, E.P. - Composition of products chemisorbed on the surface of platinized platinum in methyl alcohol solution as determined by the method of charging curves. p.673.

[illegible], B.IA., Alapin, B.G., Gavrish, A.M. - Characteristics of the kinetics of polymorphic transformation of zirconium dioxide on cooling. p.677.
[illegible], G.V., Kariakin, A.V. - Relationship between the valence vibration frequencies of water molecules and the hydrogen bonding energy. p.681.
CHEMICAL TECHNOLOGY:
[illegible], L.N., Varlamov, V.P., Sudina, N.K. - Effect of the composition of the initial mixture on the kinetics of interaction of $Ca(OH)_2$ with quartz under conditions of hydrothermal treatment. p.685.
MICROBIOLOGY:
Azova, L.G. - Possibility of cultivating Clostridium butyricum on synthetic media. p.689.
Shaposhnikov, V.N., Finogenova, T.V. - Effect of iron concentration on the flavin synthesis in Nocardia erythropolis. p.692.
BIOPHYSICS:
Mal'tsev, N.A. - Structural temperature of living tissues. p.695.
BIOCHEMISTRY:
[illegible], N.G., Shkol'nik, R.IA., Terent'eva, Z.A. - Direct proof of the participation of phosphoglyceric acid in the reducing photosynthetic cycle of carbon. p.698
Mosolova, I.M., Sisakian, N.M. - Effect of light on the oxidation of succinate by mitochondria of green and etiolated pea plants. p.702.
PLANT PHYSIOLOGY:
Van Sha-shen [Wang Sha-shêng]. - Sap rise rate in woody plants. p.706.
Daletskaia, T.V. - Role of β-indolylacetic acid in seed dormancy. p.708.
Shul'gin, I.A., Khodorenko, L.A. - Effect of spectral composition and the intensity of radiant energy on the chlorophyll content as related to the length of the photoperiod. p.712.
EVOLUTIONARY MORPHOLOGY:
Bronshtein, A.A. - Observations in vivo of the movement of hairs in olfactory cells. p.715.
PHYSIOLOGY:
Rabskii, E.B., and others. - Application of radiotelemetry in studying the evacuatory function of the stomach. p.719.

AKADEMIIA NAUK URSR, Kiev. Dopovidi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports], Kiev, no.2, 1964.

Table of contents translated:
Reshotka, Kh.S. - Use of conformal mappings in calculating an isodynamic field. p.147.
Hrychyn, V.B. - Linear methods of summing double Fourier series and best approximations of periodic functions of two variables. p.151.
Stoliars'ka, N.IE. - Effect of external periodic forces on monofrequent vibrations in systems with many degrees of freedom. p.155.
Davydenko, D.F. - Use of the method of variation of the parameter in calculating the exponential functions of a real matrix. p.158.
Mozok, H.M. - Solution of biharmonic problems by the method of difference. p.163.
Sakovych, H.N. - Strictly stable n-dimensional Gaussian distributions with nonvanishing mathematical expectation. p.166.
Miron, S.I. - Study in the large of the solutions to a certain class of nonlinear differential equations. p.169.
Hudyvok, P.M. - Representations of finite groups over certain local rings. p.173.
Karpenko, P.D. - Numerical method of mapping a polygon on a circle. p.177.
Pukhov, H.IE. - Algebraic transformers of variable structure. p.181.
Selezov, I.T. - Reduction of the nonlinear hydroelasticity problem to the solution of a system of linear differential equations. p.185.
Antonov, A.M. - Hypersonic gas flow past axisymmetric bodies. p.188.
Kil'chevs'kyi, M.O., Konstantynov, A.Kh. - Forced vibrations of a thick conic panel in the nonclassical formulation. p.194.
Rozovs'kyi, M.I. - Poisson's operator coefficient. p.197.
Sapuzhak, IA.S. - Use of gradients and second derivatives of the potential in the method of natural electric fields. p.200.
Bunin, K.P., Zakorko, Zh.B., Pohribnyi, E.N. - Structure formation of hypereutectic graphitized steels. p.205.
Hladyshevs'kyi, IE.I. - Crystal structure of the compound $EuGe_2$. p.209.
Kryp'iakevych, P.I., Protasov, V.S., Kuz'ma, IU.B. - Crystal structure of scandium compounds with some transition metals. p.212.
Pentehov, I.V. - Method for analyzing transient and steady-state processes in electrical networks subject to the action of a series of disturbances. p.216.
Shvets', I.T., and others. - Experimental study of a non-steady temperature field in the rotor of a gas turbine system. p.220.
Korniev, K.A., and others. - Photochemical graft copolymerization of acrylonitrile to capron fiber. p.224.
Kazans'kyi, V.M. - Specific heat of evaporation of moisture from starch and gelatin. p.226.
IAsnyts'kyi, B.H., Sarkysiants, S.A., Ivaniuk, E.H. - Synthesis of cyclic chloroacetaldehydes. p.229.
IAtsyra, V.N. - Effect of sodium bentonite on the structure formation of concretes. p.232.
Bocharov, V.F., Blokh, H.A. - Interaction of mixed electrolytes (fixatives) with synthetic latexes during ionic deposition. p.235.
Einor, L.O., Tupik, N.D., Kolesnykov, P.O. - Peroxidase in chlorella. p.238.
Vialov, O.S. - Relationship between the first and second layers of Oligocene ostracods in the Caucasus. p.242.
Kravchenko, V.M. - Two genetic types of the dense quartz-martite ores of the Saksagan' syncline of the Krivoy Rog Basin. p.245.
Kunytsia, M.O. - New data on loess mollusks in the middle Dniester Valley. p.248.
Chuhunnyi, IU.H. - Mineralogical composition of Quaternary sediments in the western part of the Northern Donets Basin. p.252.
Bykoriez, A.I., Rubenchyk, B.L. - Inducing tumors in the rat liver with thioacetamide. p.257.
Opol's'kyi, A.F. - Study of the possibility of changing the inherited characters in hens by the transfusion of heterogenous blood. p.261.
Svyrydov, O.I. - Initial networks of lymphatic capillaries of the mucous membrane and of the submucous layer of the stomach in vertebrates. p.264.
Shevchuk, M.H., Koturbash, T.V. - General distribution and plasticity of extracardial anastomoses of the coronary arteries in dogs. p.266.
Akimov, I.A. - Analysis of the fauna of harmful Tetranychidae (Acariformes, Tetranychoidea) in the steppe zone of the Ukraine. p.271.
IEfimov, H.O., Kahan, IU.S. - Toxicity of diesters of urethanphosphoric acids to insects and warm-blooded animals. p.275.
Mykhailova, N.P., Hlevas'ka, A.M. - Plenum of the Commission on a Constant Field and Paleomagnetism. p.279.
Oliinyk, L.V. - "Social and economic conditions of the formation of the Ukrainian nationality; the attitude of the peasants and the revolutionary movements in the Ukraine in the 15th and the first half of the 16th century" by D.I.Myshko. p.281.
Kapitanchuk, V.A. - "Manganese nutrition and plant fertilizers" by P.A.Vlasiuk. p.283.
Virnyk, D.F. - "History of the national economy of the U.S.S.R." by V.T.Chuntulov. p.285.

No.3, 1964.
Table of contents translated:
Remez, IE.IA. - Set of optimal solutions to the problem of linear programming. p.291.
Chornoval, V.T. - Solution of the nonlinear equation of percolation with the aid of an electrohydrodynamic analogy integrator. p.293.
Bondarenko, P.S. - Computational algorithms for the approximate solution of operator equations. p.295.
Topolians'kyi, D.B. - Use of interpolation polynomials in the approximate solution of boundary value problems. p.299.
Privalova, G.K., Saran, L.A. - Theory of conformal mapping of a circular ring. p.303.
Ta Van Din'. - Correctness of difference problems. p.308.
Slipenchuk, K.M. - Tauberian type theorem for $(H(\alpha), \lambda)$ methods of summation of double series. p.312.
Mel'nyk, Z.O. - Mixed problem for certain hyperbolic systems. p.314.
Horoshko, O.O., Krasyl'nykov, K.V. - Transverse vibrations of a string (cable) of variable length. p.319.
Osypov, P.M. - Motor operations in curvilinear coordinates. p.322.
Karintsev, I.B. - Stability of the motion of rotors of hydraulic machines on short supports of liquid friction. p.327.
Shmakov, IU.I. - Determination of profile resistance. p.331.
Bazilevych, V.O. - Velocity structure of a turbulent flow in shallow erosion craters in the process of their formation. p.335.
TSurpal, I.A. - Physically nonlinear problems involving an elastic plate with a reinforced circular opening. p.340.
Kolfman, IU.I. - Nonlinear second-order effects for a plate with a hole whose edge is soldered to an absolutely rigid insert. p.344.
Panasevych, O.O., Ovcharenko, F.D. - Effect of exchange ions on the physicochemical properties of galloisite. p.349.
Hvozdiak, P.I., Kolesnykov, D.H. - Rate of the fermentation hydrolysis of cardiac glycosides as dependent on the structure of aglycons. p.352.
Naumenko, V.V. - Distribution of trace elements in terrigenous sedimentary rocks. p.355.
Havrilenko, K.S. - Hydrogeological conditions and prospects for finding oil in the structures of the Dolina region. p.358.
Mel'nyk, IU.P. - Possible siderite oxidation by water under conditions of regional metamorphism. p.361.
Burov, V.S., Matvieieva, A.O., Kokhalevych, R.I. - Block tectonics of the border of the external zone of the Carpathian piedmont fault between Ivano-Frankovsk and Kolomyya. p.365.
Karpova, H.V., Shov'iakova, E.P. - Sandstones with thuringite from the Araucarites series (C_3^3) of the intermediate region of the Greater Donets trough. p.369.
Kosmachov, V.H., Lahutin, A.A. - Distribution of organic carbon in the Middle and Upper Jurassic terrigenous sediments in the northwestern margin of the Donets Basin and the western part of the Dnieper-Donets Lowland. p.372.
Khrushchov, D.P. - Potassium and magnesium salts of the Dnieper-Donets Lowland. p.375.
Astakhova, T.V. - New ammonites from the "Dorl-cranitic" horizon of the Mangyshlak Peninsula. p.378.
Korotkevych, O.L. - New finds of the Pliocene roe deer fossil of the genus Procapreolus in the southern part of the U.S.S.R. p.382.
Halantsev, V.P. - Adaptation of the cardiovascular system of nutria to a semiaquatic way of life. p.387.
Radzilevs'kyi, O.R. - Development of collateral circulation following exclusion of the abdominal aorta. p.390.
Poliankin, M.IA. - New data on the subcapsular arterial network in the human spleen. p.394.
Opol's'kyi, A.F. - Compatibility of blood in hens. p.398.
Frantsevych, L.I., Loskot, V.M. - Effect of temperature on the toxicity of insecticides to larvae of Aëdes aegypti L. p.401.
Nekrutenko, IU.P. - Methods of quantitative analysis of the wing pattern of Pieridae (Lepidoptera). p.405.
Slukhai, V.V. - Materials on the parasitic Protozoa of fishes in the northern Donets basin. p.408.
Present state and future development of scientific research on problems of water chemistry and technology. p.412.
Present state and future development of scientific research on the scientific principles of stability and plasticity. p.413.
Development in institutions of the Academy of Sciences of the Ukrainian S.S.R. of scientific research on the microbiological synthesis of proteins and biologically active substances of petroleum origin. p.415.
Measures for carrying out the resolutions of the June Plenum of the Central Committee of the Communist Party of the Soviet Union and the July Plenum of the Central Committee of the Communist Party of the Ukraine on the problems of ideological work. p.416.
Improvement in the organization of scientific information in the institutions of the Academy of Sciences of the Ukrainian S.S.R. p.417.
Miscellaneous information. p.417.
Shovkoplias, I.H., IUra, R.O. - "When and how Kiev was founded" by M.IU.Braichevs'kyi. p.418.
Romozovs'kyi, I.D., Kostrytsin, N.IU. - "Cultural development of the Ukraine in 1921-1925" by H.M.Shevchuk. p.420.

No.4, 1964.
Table of contents translated:
General Meetings of the Academy of Sciences of the Ukrainian S.S.R. p.427.
Paton, B.IE. - All forces of Ukrainian science for the future of communism! p.428.
Discussion of the report on the scientific activities of the Academy of Sciences of the Ukrainian S.S.R. in 1963. p.436.
Discussion of the reports by the Vice President of the Academy of Sciences of the Ukrainian S.S.R., V.S. Hutyr and the Deputy Head of the Ukrainian Soviet of National Economy, H.I.Vilesov. p.439.
Kovalenko, A.D. - Generalization of Lommel' solutions. p.442.
Kazimirs'kyi, P.S. - Linear factorization of a polynomial matrix. p.446.
Maistrovs'kyi, H.D. - Applicability of the drift method. p.449.
Kanilov, S. - Exact evaluation of the deviation in the mean of functions biharmonic in a circle from their boundary values. p.451.
Mirak'ian, M.H. - Existence of a regular solution to a system of nonlinear differential equations of first order in the vicinity of a singular point. p.454.
Liashenko, I.M. - Remarks on the matrix drift method. p.458.

Kozlin, O.V. - Asymptotic series in the theory of nonlinear systems of ordinary differential equations. p. 461.

Oliinyk, O.IA. - Calculation of the percolation through an earth dam situated on a permeable homogeneous foundation with an oozing section on the downstream slope. p. 465.

Ivlolns'ka, H.A., Kil'chevs'kyi, M.O. - Convergence of the collocation method and optimal selection of the collocation points as applied to the integro-differential equations of equilibrium in the theory of plates. p. 469.

Huz', A.N. - Torsion of a cylindrical shell weakened by a square hole with rounded corners. p. 473.

Mitkevych, V.M. - Allowing for the local character of the boundary effect in the asymptotic solution of the asymmetric problem of shells of revolution. p. 476.

Mykhailova, N.P. - Age of pyroxenites of the Oktyabr'skiy alkali massif. p. 480.

Starostenko, V.I. - Graticule for the calculation of V_{xxxx} and V_{xxzz} for two dimensional bodies of arbitrary cross section. p. 484.

Makar, O.S. - General parallactic scheme of indirect methods of distance measurement and its geometrical interpretation. p. 488.

Sylochaykov, V.M., Kobzenko, H.F. - Study of the system chromium - niobium - molybdenum. p. 492.

Ventsel', S.V., Chupyn, M.M., Lelim, V.D. - Effect of the oxidation of oil on the process of scuffing in the ring - socket pair of internal combustion engines. p. 499.

Lashko, M.F. - Reversible martensitic transformation of a special kind in titanium - iron alloys. p. 502.

Pererylnyi, A.H., Kotsiuk, H.A. - Melting diagram of the system $MgCl_2$ - $AlCl_3$ - $ZnCl_2$. p. 506.

Kopylevich, V.A., Hlinov, M.P., Radionova, H.H. - Electron interaction of allyl derivatives of elements of the IV group. p. 508.

Shevchenko, F.D. - Extraction of acids. p. 511.

Pashkov, I.O., Starchevs'ka, O.O. - Activation of granulated blast furnace slags by some alkaline activators. p. 514.

Kozlovs'kyi, M.F. - Destruction of refractory materials by carbon monoxide. p. 517.

Nikitin, I.I. - Stratigraphic division of the Jurassic sediments in the northern part of the Kanev dislocation region. p. 520.

Shcherbakov, Iu.I. - Manganese in the Permian red beds of the Donets Basin. p. 523.

Hoprenko, A.F. - Find of quartz - carbonate conglomerates in the Nagol'nyi Range (Donets Basin). p. 527.

Kratonskin, V.O. - Optical activity of Kosa Dubrovo oils. p. 529.

Kudryavs'ka, O.I. - Rate of the digestion of food in roach and ocean larvae. p. 534.

Karmenko, I.A. - Lymphatic vessels of the cecum and vermiform appendix in man. p. 537.

Lazarenko, A.S., Vyrodova, D.I. - Chromosome numbers of some leafy mosses from the Ukraine. p. 541.

Marchenko, V.I. - New copepods in the Ukraine. Parastenocaris hyalipes and Epactophanes richardi. p. 543.

Bilyi, M.D. - Development of pike perch and bream eggs under increased pressure. p. 549.

Coordination activity of the Academy of Sciences of the Ukrainian S.S.R. p. 553.

Present state and future development of scientific research on Ukrainian in the Ukrainian S.S.R. p. 554.

Objectives of the Department of State and Law of the Academy of Sciences of the Ukrainian S.S.R. in dealing with the state and legal problems of the government of the Ukrainian S.S.R. p. 555.

Reorganization of the scientific institutions of the Academy of Sciences of the Ukrainian S.S.R. p. 556.

Lisichnik, IA., Vasilchenko, S., Panchenko, M. - "Scientific and economic foundations of the building of communism in the U.S.S.R." by O.O. Nesterenko. p. 557.

AKADEMIIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports]. Minsk, vol. 8, no. 1, Jan. 1964.

Table of contents translated:

Bobkov, V.V. - Convergence of the integral relations method. p. 5.

Berkovich, IA.G. - Effect of the N -properties of subgroups on the properties of a finite group. p. 10.

Gruzin, E.I. - Derivation of solutions of the ψ - O order to differential equations of the first order. p. 13.

Cherkasov, L.V., Pashkovskii, V.V. - Waves in a viscous fluid due to a periodic moving system of pressures. p. 18.

Balyi, V.A., Strizhenok, A.I. - Equal strength of a metal-polymer gear transmission. p. 21.

Sirota, N.N., Shimanskaia, V.P. - Identity period of films of ZnS - CdS solid solutions. p. 24.

Nekrashevich, I.G., Bakuto, I.A. - Plastic flow of solids. p. 26.

Gladchenko, L.F. - Electron spectra of the crystalline state of phthalimides. p. 29.

Frantsk, V.A. - Kinetics of the approach to stopping creep. p. 33.

Nikitina, L.M. - Determining the experimental potential of mass transfer. p. 36.

Erofeev, B.V., Prokashchik, V.A. - New relationship in topokinetic reactions. p. 39.

Lipatov, IU.S. - Conformation of molecules of polymethacrylic acid in dilute aqueous solutions. p. 41.

Akhverdov, I.N., Bakovich, S.M. - Resistance of concrete to biaxial stretching. p. 45.

Tseler, V.N. - Law of the distribution of random values for the calculation of the reliability of wearing elements of machines and instruments. p. 47.

Kozey, N.V., Lyubova, T.I., Salomienko, P.D. - Accuracy in determining protein in selected milk samples by the luminescence method. p. 51.

Shakel'skaia, E.F., Goduny, T.N. - Effect of the light factor on the formation of pigments in ripening tomato fruit. p. 53.

Ivanov, S.N., Shagalova, E.D. - Use of P^{32} for studying the phosphorus uptake by early cabbage using various methods of fertilizer placement. p. 57.

Nakzenko, G.V., Ivanov, N.P. - Effect of nitrogenous media on the absorption of chlorine by plants. p. 60.

Bulygin, I.A., Ivanchikin, IU.S. - Characteristics of electrical cortical reactions from some interoceptive and exteroceptive fields. p. 63.

Prokopchuk, A.IA., Prokopenko, N.A. - Resistance of the hematoencephalic barrier in rabbits. p. 66.

Smol'skii, N.V., Vakula, V.N. - Study of the intensity of photosynthesis in ornamental forms of woody plants as related to an evaluation of their photophily. p. 69.

Vol. 8, no. 3, Mar. 1964.

Table of contents translated:

Krylov, V.I., IAkovich, L.A. - Convergence of a trigonometric interpolation. p. 141.

Romanko, E.I. - The property of functions of two real variables. p. 145.

Marchenko, A.N., Tkachev, V.D. - Kinetics of the photoconductivity of arsenic in single crystals irradiated by fast electrons. p. 147.

Nesterov, A.S., Kostalov, I.A. - Coordinate entropy of steady states of hydrogen-like ions. p. 150.

Rozenshtein, V.P., Gerasil, I.I. - Physical state of a surface layer undergoing plastic deformation. p. 154.

Vasilevskaia, M.M., Kovalchuk, I.F. - Diffusion of boron in some refractory metals. p. 157.

Mamaeva, N.F., Makhnach, M.I., Kozlov, D.L. - Selective cation exchanger based on 1,2-polyvinylbenzene. p. 161.

Rakovskaia, N.F., Kiskun, M.D. - Effect of the conditions of preparation on the phase composition, porous structure, and sorption properties of mixed oxides from magnesium oxide. p. 165.

Ivlievskii, M.A. - Study of mosaic glasses of the 12th century from Polotsk. p. 169.

Bogomolov, G.V., Pletnev, V.A. - Hydrological regime in the area of the Pripet fault. p. 172.

Ivchenko, V.K. - Types of sand particles of various genesis in Polesye. p. 175.

Kovaleva, V.A. - Manganese concretions in the Lower Triassic sediments of the Pripet fault and their association with reducing oxidation conditions governing the formation of separate layers. p. 179.

Mitskevich, M.K. - Role of the size of the interlayer gap between the electrodes in the erosion effect in the presence of electrode vibration. p. 184.

Parfenov, V.I. - New biological forms of the Norway spruce in White Russia. p. 186.

Bulygin, I.A., Solomonov, Y.V. - Characteristics of afferent interoceptive impulses from the intestine caused by the stimulation of its nervous and mucous membranes. p. 188.

Roiko, O.P., Vecher, A.S. - Protein substances and nucleic acids in the process of change in the dry substances of lupine seeds in germination. p. 193.

Doroshko, N.A., Gavril'skaia, O.IA. - Forms of phytophthora on tomato fruits. p. 196.

Loginskii, A.I. - X-ray indices of the functional state of the cardiovascular system in diabetes mellitus under clinical and experimental conditions. p. 201.

IZ ISTORII NAUKI I TEKHNIKI V STRANAKH VOSTOKA [FROM THE HISTORY OF SCIENCE AND TECHNOLOGY IN THE COUNTRIES OF THE EAST]. Issued by Institut istorii estestvoznaniia i tekhniki Akademii nauk SSSR [Institute of the History of Natural Sciences and Technology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1963.

Table of contents translated:

Berezkina, E.I. - The mathematical work of Sun Tz'u. p. 5.

Sun-Tzu [Sun Tz'u] - Treatise on mathematics. p. 23.

Berezkina, E.I. - Remarks on the treatise
Sun Tz'u. p. 40.

Rozenfel'd, B.A., Krasnova, S.A., Rozhan
M.M. - The mathematical works of Abu'
al-Biruni. p. 71.

Treatise on the determination of chords in a
means of a broken line inscribed into it.

Rozenfel'd, B.A., Krasnova, S.A. - Remar
the "Treatise on the determination of chor
p. 142.

The book of Abu'l Raikhan Mukhammad ibn Ah
al-Biruni on the Indian rashikat. p. 140.

Rozenfel'd, B.A. - Remarks on "The book o
Indian rashikat." p. 165.

Huard, P., Wong, D. - Study on ancient Chi
medicine. p. 171.

Zubov, V.P. - First Turkish manuscript on
p. 200.

Kuznetsov, S.G. - Scientific relations of the A
of Sciences of the U.S.S.R. with Turkey,
Afghanistan, Pakistan, and Indonesia. p

MIR NAUKI [SCIENTIFIC WORLD]. Issued by th
Federation of Scientific Workers. London, n
1964.

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE
Issued by Lietuvos TSR Politiniu ir mokslini
ziniu skleidimo draugija [Society for Dissemina
Political and Scientific Knowledge of the Lith
S.S.R.]. Vilnius, no. 5(65), May 1964. [In L

NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued
Vsesoiuznoe obshchestvo "Znanie" ["Knowled
All-Union Society]. Moscow, vol. 30, no. 5, M
1964.

PRIRODA [NATURE]. Issued by Akademiia nauk
[Academy of Sciences of the U.S.S.R.]. Mos
vol. 53, no. 5, 1964.

Table of contents translated:

Bolshakov, M.I. - Science and peace. p. 3

Brief information. pp. 7, 61, 77, 82, 111.

Perel'man, A.I. - Geochemical classification
metals. p. 8.

Ustinov, IU.M. - Rock salt bubbles. p. 19.

Pavlov, V.V. - Some problems of bionics. p

Aleksandrov, A.A. - Physics of superconductive
p. 29.

Mil'shtein, M.A. - Progress in aviation and
medicine. p. 33.

Kolchin, B.A. - An ancient chronicle of the
p. 34.

Stakhovskii, I.S. - Nature of a long electric
p. 42.

Hollitscher, W. - Origin of man, from view
falsification. p. 51.

Vlasiuk, P.A. - Concentrated and combined
ozone. p. 59.

Antonova, M.N. - Glass fiber. p. 64

Perekal'skii, F.M. - A powerful means of fi
bacterial diseases. p. 68.

Lebedeva, N.N. - At the sources of the Yenisei
p. 76.

Astapovich, I.S., Fedynskii, K.P. - Glaciat
system. p. 83

Vasil'ev, D.P. - Inland shelves in the North
p. 86.

Ivanov, A.M., Kudriavtsev, IU.P. - Is a th
of carbon possible? p. 88.

Gil'zin, K.A., Kornaukhov, A.A. - Birds and
aircraft. p. 95.

We fly over Kenya, from the notebook of the p
Bernhard Grzimek. p. 98.

Levin, G.M. - Cauliflory in an apple tree. p

Afanas'ev, V.S., Kogan, M.A. - A new work
by Martelius. p. 102.

A prominent scientist in the field of biochemi
the 70th birthday of Academician A.I. Opar
p. 109.

Khromov, I.S. - An outstanding Russian geogr
and traveler, the 125th anniversary of the b
N.M. Przheval'skii. The knight of science

Naumov, N.I. - New horizons in meteorol
p. 110.

Grozdev, V.V. - Lekarstv. p. 112.

Kovalev, B.A. - All-Union forum of geograph
p. 113.

Zaslavskii, D.V. - Water erosion control. p

What are elementary particles? p. 113.

Cellulose synthesis. p. 113.

Isn't the earth symmetrical? p. 114.

Pelcher, P., and others. - Milk for queen be
p. 115.

Balarov, Sh.A. - Antibiotics and cotton wilt;
ologically active substances in the fields.

Mirrors on plastic materials. p. 116.

Chernov, A.A. - Meeting on the bottom of the
Sea. p. 116.

Aeration of potatoes. p. 117.

Radioactive dating of textiles and tapestries.

Bryzgalov, S.P. - Birth of a new volcano.

Potolskii, B.P. - Find of a skeleton of the Ne
thal man. p. 118.

Color of whales. p. 119.
Optic pigments. p. 119.
Massaev, K.V. - Keep away from morays. p. 120.
Color X-ray pictures. p. 120.
Fishing in 2000 A.D. p. 120
The earth contracts after expansion. p. 122.
Pypa, I.S. - Tubers on potato stalks. p. 122.
Ship propulsion of the future. p. 122.
Malyshev, B.T. - Scientific legacy of a German naturalist; M.F. Vedenov's book "E. Haeckel's struggle for materialism in biology." p. 123.
Kogan, IA.B. - Fate of a book and an author; M.M. Filippov's book "Studies of the past." p. 124.
[illegible], O.P. - Behavior of animals in a flooded desert. p. 126.
Pereskii, V.A. - Periodic flights of woodcock on a white northern night. p. 126.
Sarokin, V.D. - Migratory birds in a bleak spring. p. 127.
Nikolaevskii, V.G. - The common reed. p. 128.

REFERATIVNYI ZHURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS: CYBERNETICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 4, 1964.

b. ASTRONOMY

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut astrofiziki. Biulleten' [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Astrophysical Institute. Bulletin]. Dushanbe, no. 35, 1963.

Table of contents translated:
Ivanikov, V.I., Khalmov, I.M. - Photometric errors of the field of the NAFA 3s/25 cameras. p. 3.
Rubtsova, V.A. - Photoelectric observations of meteors in Dushanbe. p. 14.
Faiziev, E. - Graphic method for approximate solution of the reverse problem in the mechanical theory of comet forms. p. 22.
Filatov, G.S. - Four eclipsing variables. p. 32.
Nikulina, T.G. - Six variable stars in the BV list. p. 45.

No. 36, 1963.

Table of contents translated:
Babadzhanov, P.B. - Results of photographic investigations of meteors during the IGY and IGC in Dushanbe. p. 3.
Satyvaldiev, V. - Nova Ursae Minoris. p. 37.
Bakharev, A.M. - Drift of meteor trails above Tajikistan (1954-1959). p. 43.

ASTRONOMICHESKII TSIRKULIAR [ASTRONOMICAL CIRCULAR]. Published by Biuro astronomicheskikh soobshchenii Akademii nauk SSSR [Bureau of Astronomical Information of the Academy of Sciences of the U.S.S.R.]. Kazan, no. 249, June 1963.

Table of contents translated:
New Alcock's comet. p. 1.
Terent'eva, A.K. - Orbits of minor meteor showers. p. 1.

No. 250, July 1963.

Table of contents translated:
Supernova in NGC 3656. p. 1.
Zel'dovich, IA.B. - Loss of mass of supergiant stars by neutrino emission. p. 1.
Shklovskii, I.S. - Distance to radio galaxy 3C-286. p. 6.
Brief news. p. 8.

No. 251, July 1963.

Table of contents translated:
Komarov, N.S., Aliev, A.A. - Observations of the nova Herculis (1963). p. 1.
Kurochkin, N.E. - Is the brightness of the object 3C-273 varying? p. 1.
Arkhipova, V.P., Kostiakova, E.B., Sharov, A.S. - Spectrometry of the object 3C-273. p. 2.

No. 252, July 1963.

Table of contents translated:
Nova in Sagittarius. p. 1.
Shokin, IU.A. - Photographic observations of Nova Herculis (1963). p. 1.
Shenaikh, V. - Regions of different age in I Orionis association. p. 2.
Brief news. The 14th Plenum of the Variable Star Committee. p. 4.

No. 253, July 1963.

Table of contents translated:
Fishkova, L.M., Martsvaladze, N.M. - Distribution of hydrogen in the upper atmosphere and terrestrial corona. p. 1.

No. 254, July 1963.

Table of contents translated:
Efremov, IU.N. - Cepheids in open clusters and period-luminosity relation. p. 1.
Straizys, V. - Optimum wave lengths for the determination of interstellar absorption. p. 3.
Straizys, V. - Inclination of reddening lines in two-index diagrams. p. 4.
Straizys, V., Zdanavicius, K. - Band-width effect and the parameters of the U, B, V system. p. 5.

No. 259, Sep. 1963.

Table of contents translated:
Deich, A.N. - New intergalactic globular cluster? p. 1.
Karimova, D.K., Kholopov, P.N. - A.N. Deich's object. p. 2.
Orel'skaia, V.I. - State of observations of selected minor planets [parallel text in Russian and English]. p. 2.

No. 260, Sep. 1963.

Table of contents translated:
Kuz'min, A.D., Salomonovich, A.E. - Radio emission of discrete sources in Orion and Omega in the microwave band. p. 1.

No. 261, Oct. 1963.

Table of contents translated:
New Kearns-Kwee's comet (1963d). p. 1.
New Pereyra's comet (1963e). p. 1.
Tempel-Swift's periodic comet. p. 2.
Badalian, G.S. - New variable star in Taurus. p. 3.

No. 262, Oct. 1963.

Table of contents translated:
Esipov, V.F., Moroz, V.I. - Spectrophotometry of Venus and Mars in the 7,000-10,000 Å range. p. 1.
Moroz, V.I. - Observations of the infrared Mars spectrum in the $\lambda 1,1-4,1\ \mu$ range. p. 4.
Moroz, V.I. - New observations of the infrared Venus spectrum ($\lambda 1,2-3,8\ \mu$). p. 6.
Mitrofanova, L.A., Zhukova, L.N., Derviz, T.E. - Mounting and testing of a telescope with a large absorption path for the investigation of molecular spectra. p. 8.

No. 263, Oct. 1963.

Table of contents translated:
Supernova in NGC 5905. p. 1.
Merzliakova, M.A. - Ephemeris of Ashbrook-Johnson's comet (1948 IX = 1956 II) for 1964. p. 1.

No. 264, Oct. 1963.

Table of contents translated:
Terent'eva, A.K. - Orbits of minor meteor showers. p. 1 of supplement.
Brief news. p. 8.

No. 266, Oct. 1963.

Table of contents translated:
Supernova in NGC 1084. p. 1.
Vorontsov-Vel'iaminov, B.A. - Similarity of NGC 5195 and 3077 with the exploding galaxy M82. p. 1.
Shcheglov, P.V. - Hα profiles in four emission nebulae. p. 2.
TSesevich, V.P. - Remarkable Cepheid YZ Virginis. p. 4.

BYURAKAN. OBSERVATORIIA. Soobshcheniia [OBSERVATORY. Reports]. Erivan, no. 33, 1963.

Table of contents translated:
Ambartsumian, V.A., and others. - Superassociations in distant galaxies. p. 3.
Kalloglian, A.T. - Surface brightness of the bars of spiral galaxies. p. 19.
Markarian, B.E. - Nature of chains of galaxies. p. 29.
Mirzoian, L.V. - Law of the distribution of O-B1 stars around the nuclei of the O-associations. p. 41.
Saakian, G.S., Vartanian, IU.L. - Possible phase state of matter at extremely high densities. p. 55.
Tovmasian, G.M. - Origin of stellar clusters. p. 87.
Malumian, V.G. - Observations of galactic plane near $\delta = -24^\circ 23'$ on the wave length 32.5 cm. with a high resolving power. p. 95.

No. 34, 1963.

Table of contents translated:
Markarian, B.E. - Nature of galaxies with anomalous spectral features for their type. p. 3.
Markarian, B.E. - M82-type irregular galaxies. p. 19.
Kalloglian, A.T. - Peculiar galaxy NGC 3656. p. 31.
Gurzadian, G.A. - Origin of hydrogen Balmer absorption lines in spectra of M82-type galaxies. p. 37.
Gurzadian, G.A. - Photometric investigation of planetary nebula NGC 7293. p. 59.
Ivanova, N.L. - Balmer's decrement of AG Pegasi. p. 93.
Saakian, G.S., Chubarian, E.V. - Theory of white dwarfs and baryon star envelopes. p. 99.

KHARKOV. POLITEKHNICHESKII INSTITUT. Kafedra osnov radiotekhniki. V razdel programmy MGG: Ionosfera i meteory. Meteory; sbornik statei [POLYTECHNIC INSTITUTE. Department of the Fundamentals of Radio Engineering. 5th Section of the IGY Program: Ionosphere and Meteors. Meteors; Papers]. no. 2/3, 1963.

Table of contents translated:
Kashcheev, B.L. - Meteors in the upper atmosphere of the earth. p. 5.
Lagutin, M.F. - Methods and errors in the determination of orbits of meteors by radar. p. 12.
Dudnik, B.S. - Amplitude-phase method for measuring the altitude of a meteor. p. 22.
Oksiuk, IU.D. - Influence of the ionization process on the initial radius of a meteor trail. p. 34.
Taran, V.I., Kashcheev, B.L. - Measurements of drifts of ionization homogeneities in the atmosphere E-layer with simultaneous determination of the polarization of reflected radiowaves. p. 37.
Kashcheev, B.L. - Investigating the properties of upper atmosphere by means of radio observations of meteors. p. 43.

KHARKOV. UNIVERSITET. Astronomicheskaia observatoriia. TSirkuliar [UNIVERSITY. Astronomical Observatory. Circular]. No. 26, 1963.

Table of contents translated:
Barabashov, N.P. - Dust formations in the atmosphere of Mars and the color of Martian seas. p. 3.
Barabashov, N.P., Akimov, L.A. - Structure of the moon's surface. p. 14.
Ezerskaia, V.A., Krisenko, L.I., Chirkova, R.M. - Changes in the intensity of chromospheric flocculi during the development of active areas on the sun. p. 20.
Kuz'menko, K.N., Pluzhnikov, V.Kh. - Determination of right ascensions of major planets with the meridian circle of the Kharkov Astronomical Observatory in 1961. p. 35.
Ibragimov, N.B. - Preliminary results of the total spectrophotometry of Mars. p. 37.
Akimov, L.A. - Light reflexion by lunar surface. p. 43.

*KOSMICHESKIE ISSLEDOVANIIA [SPACE RESEARCH]. Issued by Akademiia nauk SSSR [ACADEMY OF SCIENCES OF THE U.S.S.R.]. Moscow, vol. 2, no. 2, Mar.-Apr. 1964.

Table of contents translated:
Samoilovich, G.V. - Evolution of the orbit of a circling satellite of the terrestrial spheroid. p. 179.
El'iasberg, P.E. - Approximate formulae for the determination of the lifetime of an artificial earth satellite. p. 198.
Krasovskii, V.I. - Auroras and the radiation of the night sky. p. 219.
Gurevich, A.V. - Electric field strength at the surface of a body in plasma. p. 232.
Malkevich, M.S. - Some problems in the interpretation of the measurement of radiation from satellites. p. 246.
Malkevich, M.S., and others. - Determination of statistical characteristics of radiation belts above the clouds. p. 257.
Muliarchik, T.M. - Detection of electrons with an energy from 40 eV to 6 keV in the upper atmosphere. p. 266.
Shvets, M.E. - Calculating streams of escaping long-wave radiation by means of the data obtained from the artificial earth satellite. p. 272.
Danilov, A.D., IAtsenko, S.P. - Experiment for the investigation of constants of ion-exchange processes in the ionosphere. p. 276.
Basilova, R.N., and others. - Investigating cosmic radiation at altitudes from 200 to 350 km. with "Kosmos 4" and "Kosmos 7" satellites. p. 280.
Vernov, S.N., and others. - Geographical position of maxima of particle intensity in the external radiation belt at low altitudes. p. 289.
Vakhnin, V.M. - Some essentially nonlinear relations in physical planet models. p. 296.
Bochvar, I.A., and others. - Tissue dose of cosmic radiation taken in by V.F. Bykovskii and V.V. Nikolaeva-Tereshkova during their joint orbital flight. p. 304.
Baevskii, R.M., Gazenko, O.G. - Reaction of the cardiovascular system of man and animals under weightlessness conditions. p. 307.

Delone, N. L., and others. - Effect of the factors of the space flight in the spaceships "Vostok-5" and "Vostok-6" on microspores Tradescantia Paludosa. p. 320.
Parfenov, G. P. - Evolution of organisms under weightlessness conditions. p. 330.
Parfenov, G. P. - Causes for the lethality of germ cells of drosophila after the flight in the spaceships "Vostok-3" and "Vostok-4." p. 335.
Brief news. p. 341.

METEORITIKA [METEORITICS]. Issued by Komitet po meteoritam Akademii nauk SSSR [Committee on Meteorites of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 24, 1964.

Table of contents translated:
Fesenkov, V. G. - Some progress in meteoritics. p. 5.
Levin, B. IU. - Some actual problems of meteoritics. p. 16.
Vinogradov, A. P., Lavrukhina, A. K., Revina, L. D. - Nuclear reactions in iron meteorites. p. 22.
Sobotovich, E. V., Lovtsius, G. P., Lovtsius, A. V. - New data on the content and isotopic composition of lead in stone meteorites. p. 29.
Fesenkov, V. G. - Meteorites and the problem of the origin of elements in the Galaxy system. p. 34.
D'iakonova, M. I., Kharitonova, V. IA. - Composition of chondri and also dark and light varieties of some chondrites. p. 37.
Vronskii, B. I. - Brief review of the study of extraterrestrial dust. p. 41.
Vorob'ev, G. G. - Investigating the composition of tektites. Part 4: Spectrographic determination of beryllium in tektites and some other glasses. p. 51.
Alekseeva, K. N. - Physical properties of tektites. p. 56.
Fesenkov, V. G. - Nature of comets. p. 61.
Staniukovich, K. P. - Evaporation of meteoric ice bodies. p. 66.
Shalimov, V. P. - Some evaluations of the destruction velocity of large meteoric bodies moving in the atmosphere at high ultrasonic speeds. p. 70.
Bronshten, V. A. - Problems of the movements of large meteorites. p. 75.
Raizer, IU. P. - Shock wave propagation in the ground during the fall of a high speed meteorite to the surface of a planet. p. 82.
Raizer, IU. P. - Condensation mechanism in the formation of cosmic dust. p. 87.
Riabinin, IU. N., Rodionov, V. N., Dremin, A. N. - Possibilities of polymorphic transitions during shock compression. p. 91.
Pokrovskii, G. I. - Deformation of rocks in the zone of meteorite craters. p. 99.
Pokrovskii, G. I. - Possible variation in the explosion of meteors. p. 108.
Bolarkina, A. P., and others. - Studying the shock wave of the Tunguska meteorite according to the forest damage caused by it. p. 112.
Zenkin, G. M., Il'in, A. G. - Radial burns on trees in the explosion region of the Tunguska meteorite. p. 129.
Ivanov, K. G. - Geomagnetic effect of the Tunguska fall. p. 141.
Nekrasov, V. I., Emel'ianov, IU. M. - Studying forest growth in connection with the problem of the Tunguska meteorite. p. 152.
Berezhnoi, V. G., Drapkina, G. I. - Studying irregular forest growth in the fall region of the Tunguska meteorite. p. 162.
Plekhanov, G. F. - Some results of the work of a joint self-acting expedition for studying the problem of the Tunguska meteorite. p. 170.
Fesenkov, V. G. - Anomalous light phenomena connected with the fall of the Tunguska meteorite. p. 177.
IAvnel', A. A., Vorob'ev, G. G. - Bibliographic system for meteorites on manually operated punch cards. p. 180.
Vdovykin, G. P. - Organic compounds of the carbonaceous chondrites. p. 194.
Kvasha, L. G., Vilk, Kh. B. - Some additional data on the Staroye Boroskino carbonaceous chondrite. p. 204.
Kvasha, L. G. - V. N. Lodochinkov's works on meteoritics. p. 219.
Astapovich, I. S., Krinov, E. L. - In memory of Rafail Lazarevich Dreizin. p. 222.
D'iakonova, M. I. - Conference on analytic research methods for meteorites. p. 225.

EFERATIVNYI ZHURNAL: ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1964.

REFERATIVNYI ZHURNAL: GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

VOPROSY KOSMOGONII [PROBLEMS IN COSMOGONY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, 1963.

Table of contents translated:
Zel'dovich, IA. B. - The modern physics and astronomy. p. 5.
Pikel'ner, S. B. - Diffuse matter and the origin of stars and stellar systems. p. 60.
Frank-Kamenetskii, D. A. - Astrophysical problems of plasma physics. p. 70.
Ambartsumian, V. A., Saakian, G. S. - Present state of the theory of superdense celestial bodies. p. 91.
Pontecorvo, B. - Neutrinos and their role in astrophysics. p. 132.
Zel'dovich, IA. B. - Hydrodynamic stability of a star. p. 157.
Moiseev, S. S. - Peculiarities of noncollisional shock waves in the relativistic plasma. p. 171.
Pinaev, V. S. - Neutrino processes in stars. p. 176.
Safronov, V. S. - Specificity of rotating systems. Initial density of the metagalaxy. p. 188.
Kotok, E. V. - Age of the open cluster Orion I. p. 196.
Klimishin, I. A. - Role of the effects of radiation in the theory of shock waves in stars. p. 200.
Safronov, V. S., Ruskol, E. L. - History of the lunar atmosphere and possibility of the presence of ice and organic compounds on the moon. p. 203.
Levin, B. IU. - Origin of comets. p. 215.
Zel'dovich, IA. B. - Prestellar evolution of matter. p. 232.
Zel'dovich, IA. B. - Formation of stars and galaxies in the expanding universe. p. 240.
Dmitriev, N. A., Kholin, S. A. - Characteristics of static solutions of gravity equations. p. 254.
Ruskol, E. L. - Conference on the problem of the origin of life in the universe. p. 263.
Safronov, V. S. - All-Union conference on the investigation of the motion of minor planets and comets. p. 265.
Liubimova, E. A. - Comments on the article "Sources of the earth's internal heat." p. 266.

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Erivan, vol. 17, no. 3, Mar. 1964.

Table of contents translated:
Agadzhanian, G. Kh. - Control of noxious weeds must be conducted on a scientific basis. p. 3.
Shur-Bagdasarian, E. F. - Change in the quantitative relations among the species of plants of an Alpine meadow under the effect of fertilizers. p. 9.
Narinian, S. G., Voskanian, V. E. - Effect of gibberellin on the Alpine plants of Mount Aragats, Armenian S.S.R. p. 17.
Duniamalian, M. S. - Group and fractional composition of humus in the forest soils of Armenia. p. 25
Agadzhanian, A. M. - Metaxenia in tomatoes. p. 35.
Simonian, E. G. - Cytological study of hybrids of the wheat Tr. Timopheevi. p. 45.
Mulkidzhanian, IA. I. - Materials on the genus popular (Populus L.) in the Armenian S.S.R. p. 49.
Tobias, V. I. - Two species of the genus Agathis latr. (Hymenoptera, Braconidae) from the Caucasus. p. 59.
Moshkova, A. M. - Classification and biology of Sericostoma grusiense Mart. (Trichoptera). p. 67.
Akopian, Z. M., Shakarian, G. A., Oganesian, M. A. - Concentration and duration of the presence of monomycin in the fluids and tissues of lambs. p. 73.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia biologicheskikh i meditsinskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Biological and Medical Sciences]. Baku, no. 12, 1961.

Table of contents translated:
Alekperov, S. A., Khrzhanovskaia, T. E. - Effect of salts on some physiological characteristics of seeds and sprouts of the Japanese pagoda tree. p. 3.
Guseinova, B. F. - Some data on the species of fungi in the Nagorno-Karabakh Autonomous Province. p. 17.
Makhmudbekova, N. I. - Studying the varieties of fruit mulberry in the Apsheron Peninsula. p. 25.
Khudadatov, A. I. - Some methodological problem of presowing gamma irradiation. p. 33.
Zaidova, S. A. - Osteological differences between the common hedgehog (Erinaceus europaeous L and the long-eared hedgehog (Hemiechinus brac tis Sat.). p. 39.
Gadzhiev, A. T., Kadatskaia, K. P. - Gamasid mites of the rodents of Kobystan. p. 47.
Kurbanov, G. G., Kuliev, G. A. - Wintering of the ichneumon fly Habrobracon brevicornis Wesm. destroying the mallow moth in the Nakhichevan A.S.S.R. p. 55.
Aliev, G. A., Faradzheva, S. B., Salamov, G. A. - Soils of Kusary District. p. 59.
Gasymova, N. N. - Characteristics of the ratio C:N in Brown, Chestnut mountain-forest soils a mountain Chernozems of the Lesser Caucasus. p. 75.
Ibragimov, A. A. - Occurrence of gully erosion in Dzhebrail District, Azerbaijan S.S.R. p. 81.
Efendieva, V. A. - Changes in the interoceptive metabolic reflexes from the vagina at different stages of the sexual cycle. p. 89.
Mamed-zade, S. A., Bakhtina, M. K. - Hepatocholecystitis. p. 95.
Salaeva, Z. M. - Clinical aspects and pathohystolog of hemorrhagic meningoencephalomyelitis. p. 101.
Kanbai, Kh. G. - Influence of the arrest of fetal circulation on the mother's carbohydrate metabolism depending on its initial state. p. 109.
Musaev, M. A. - Brief news. p. 117.

No. 1, 1963.

Table of contents translated:
Prilipko, L. I., Zangiev, M. G. - Forests of the Khachmas Lowland and the ways for their ration utilization. p. 3.
Barkhalov, Sh. O. - Lichens of the family Stictace in Azerbaijan. p. 9.
Gasanov, A. M. - Some data on the comparative an omy of three species of woodruff (Asperula) grow ing under different ecological conditions. p. 15.
Mustafaev, I. D., Emel'ianova, V. V. - Duration of the stage of tillering and stalk formation in hard wheat samples of various geographical origins i Azerbaijan. p. 25.
Musaev, M. A., Gvozdenko, T. M. - High-yield tomato varieties recommended for production in the Karabakh Lowland. p. 33.
Kuliev, G. K. - Morphological characteristics of the ovaries of newborn lambs of the Azerbaijan Moun tain Merino, Bozakh sheep and their hybrids. p. 43.
Guseinov, M. M. - Hydrochemical regime of Varva Reservoir according to the observations of 1961. p. 49.
Salmanov, M. A. - Microbiological study of the wes ern shore of the Caspian Sea from the Apsheron to Lenkoran. p. 53.
Aliev, S. A. - Effect of hydrothermal conditions on the physical and chemical properties of soils. p. 61.
Isaeva, F. G. - Effect of ionizing radiation and a growth stimulant of petroleum origin on the growt and productiveness of alfalfa. p. 67.
Dzhafarova, V. A. - Efficiency of concentrated and compound fertilizers applied to tomatoes in the Apsheron Peninsula. p. 75.
Ibragimov, A. A. - Supply of basic nutrients in the eroded soils of Dzhebrail District, Azerbaijan S.S.R. p. 81.
Dzhabieva, S. A., Agadzhanova, T. A. - Effect of endogenous irradiation of hen eggs with small doses of radioactive phosphorus on the development of embryos during incubation. p. 87.
Amirov, R. O. - Some characteristics of metabolism under the conditions of nonspecifically increased resistance of the organism. p. 93.
Abrakhanova, B. N. - Local cooling as a nonspecific stimulant of defense reactions during peritonitis. p. 101.
Kats, P. D., Dzhafarova, S. A. - Dynamics of some peripheral blood indices and daily excretion of 17-ketosteroids with the urine of healthy children under the effect of a single administration of ACT p. 109.

No. 2, 1963.

Table of contents translated:
Musaev, M. A., Alieva, F. K. - Species of Coccidia and the spread of coccidiosis among poultry in the Kuba-Khachmas zone of the Azerbaijan S.S.R. p. 3.
Akhundov, T. M., Ul'ianishchev, V. I. - Ornamental plant diseases in the Apsheron Peninsula. p. 13.
Liubarskaia, L. B. - Moss flora of the Nukha-Zakataly forest area of Azerbaijan. p. 21.
p. 43.
Ismailov, A. S. - Growth and development of the gastrointestinal tract in young Balbas sheep. p. 55.
Feizullaev, N. A. - Helminths (Nematoda, Cestoda, Acanthocephala) of birds of the order Herodiones from the plain regions of Azerbaijan. p. 61.

Abduev, M.R. - Soil conditions and the development of the root system of saltworts. p. 69.

Askerov, K.M. - Efficient methods of the application of organic fertilizers derived from petroleum by-products for the increase of cabbage yields. p. 79.

Musabekova, E.S. - Some forms of the phosphates of Chestnut soils in the Aras River zone and the effect of absorbed bases on their changes. p. 85.

Guseinov, D.M., Isaeva, F.G. - Effect of growth stimulants of petroleum origin on alfalfa yield. p. 93.

Khalilov, M.IU. - Growth of forest plantations of various compositions in the mountain areas of the southern slope of the Greater Caucasus and their antierosion significance. p. 101.

Tagiev, Sh.K., Ibragimova, N.D. - Characteristics of the dynamics of unconditioned interoceptive metabolic reflex in puppies during early ontogenesis. p. 111.

Guliev, R.R. - State of vascular tone and arterial pressure according to the oscillographic data in patients with bone and joint tuberculosis. p. 117.

Prilipko, L.I., and others. - Fundamental work of Soviet dendrologists. p. 127.

No. 5, 1963.

Table of contents translated:

Musaev, M.A., Veisov, A.M. - Coccidians of the wood mouse Apodemus sylvaticus L. in Azerbaijan. p. 3.

Akhundov, T.M. - Pear powdery mildew in the Nakhichevan A.S.S.R. p. 15.

Kagramanova, F.V. - Ontogenesis of Bongardia chrysogonum (L.) Boiss. p. 19.

Bekhbudov, A.A. - Study of promising leguminous cultures in the irrigated lowlands of the Nakhichevan A.S.S.R. p. 29.

Asadov, S.M., Guseinov, A.N. - Distribution of haemonchosis agents in the ruminants of Azerbaijan. p. 35.

Abdinbekova, A.A. - Ichneumon flies (Ichneumonidae) in the Kuba-Khachmas zone of Azerbaijan. p. 43.

Bagirova, Sh.M. - Phases in the development of wild carp in the Ust'-Kurinskiy fish spawning and rearing farm. p. 53.

Abduev, M.R. - Root system of wormwood in the lowland of Azerbaijan. p. 65.

Mekhtieva, N.A. - Composition of the fungi of some soils in the Karabakh Steppe of the Azerbaijan S.S.R. p. 75.

Musaeva, A.K. - Effect of adrenaline on the hemopoietic property of the gastric juice. p. 83.

Mekhtiev, M.A., Akperov, K.M. - Infusorians in the rumen of buffaloes and their digestive role. p. 89.

Kerimov, G.M., Khodas, M.IA. - Change in the oxidation-reduction processes in the combination of extracorporeal blood circulation and moderate hypothermia. p. 95.

Farzaliev, I.A., Babaev, IA.IU. - Change in the protein fractions of the blood serum of sheep in experimental infectious polyarthritis. p. 107.

Gasanov, M.V., Abdullaeva, Kh.A., Kiritlova, L.M. - Some results of the purification of fecal waters by using Chlorella. p. 115.

Karaev, A.I. - Third Congress of Physiologists, Biochemists and Pharmacologists of the Republics of Transcaucasia. p. 121.

No. 6, 1963.

Table of contents translated:

Prilipko, L.I., Maliov, A.I. - New find of a relict poplar-turanga in Azerbaijan. p. 3.

Karaeva, N.I. - New diatom algae in the Caspian Sea. p. 15.

Kiazimov, S.A. - Quince under natural conditions of the Lenkoran-Astara zone of Azerbaijan. p. 23.

Uzhakhov, D.I. - Morphological variability in the trematodes of rodents (Platinosomum muris Stscherbakova, 1942). p. 31.

Mirzoian, A.T. - Relation between the various forms of nitrogen and the quality of green tea leaf. p. 35.

Kuliev, G.K. - Development of ovaries and the formation of oogenesis in mammals. p. 41.

Lukina, G.P. - Taxonomic position and biology of the lizard Lacerta saxicola Eversmann in the northwestern boundary range of the Caucasus. p. 53.

Rzaeva, L.M., Beirutov, R. - Apple seed chalcid Torymus druparum (Boh.) (Hymenoptera, Chalcidoidea) in the Kuba-Khachmas zone of the Azerbaijani S.S.R. p. 63.

Badalov, F.G. - Some data on diurnal vertical migrations of the zooplankton in the Caspian Sea. p. 67.

Kandilov, N.K. - New species of myxosporidians from Varicorhinus of the Kuba River basin. p. 75.

Melikova, O.F. - Change in the carbohydrate metabolism in the leaves of different varieties of olives during various seasons of the year. p. 77.

Buniatov, N.N. - Surgical treatment of tuberculosis of the coxofemoral joint in children. p. 85.

Lemberanskaia, A.IU. - State of some indices of the blood coagulation system in children with Botkin's disease. p. 93.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut fiziologii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Physiology. Transactions]. Alma-Ata, vol. 5, 1963. Voprosy fiziologii pishchevareniia i laktatsii [Problems in the physiology of digestion and lactation].

Table of contents translated:

Preface. p. 3.

Bazanova, N.V., Tashenov, K.T. - Transfusion of chyme from the duodenum of one animal into another animal. p. 5.

Gorokhova, L.V., Prokudin, A.V. - Specificity of chyme of the small intestine in various ruminant species. p. 10.

Bazanova, N.U., Prokudin, A.V. - Development of the rumen function in lambs. p. 15.

Moiseev, V.A. - Some data on the digestion of feed carbohydrates in the digestive tract of sheep. p. 19.

Moiseev, V.A.' - Effect of feeds on the splitting of cellulose in the rumen of sheep. p. 25.

Tashenov, K.T. - Some characteristics of pancreatic secretion and the bile secreting function of the liver in sheep during pregnancy and lactation. p. 33.

Tashenov, K.T. - Mechanism of secretion in the abomasum of sheep during pregnancy and lactation. p. 39.

Trofimova, R.M. - Effect of the thyroid gland on digestive processes in the duodenum of sheep. p. 48.

Trofimova, R.M. - Effect of the thyroid gland on the secretion and enzymatic activity of bile and pancreatic juice in sheep. p. 53.

Tashenov, K.T. - Reflex interrelationships between the activity of the digestive system and mammary glands in lactating animals. p. 59.

Bazanova, N.U., Nikitin, B.N. - Effect of experimentally prepared silage on the state and productive qualities of lactating cows. p. 74.

Simbinov, Sh.D. - Biochemical indices of the rumen and the productivity of cows fed corn silage prepared by various methods. p. 87.

Diusembin, Kh. - Changes in the milk yield and basic components of milk as related to the intensity of fermentative processes in the rumen of cows. p. 94.

Diusembin, Kh. - Characteristics of lactation in mares. p. 98.

Diusembin, Kh. - Reflex regulation of milk secretion in sheep. p. 113.

Prokudin, A.V. - Changes in the basic components of milk in Kazakh fine-wool sheep as related to the lactation phase. p. 122.

Prokudin, A.V. - Interrelationship between the lactose of milk and the glucose of blood in lactating sheep. p. 129.

Li, V.V. - Some characteristics of the physiology of bile formation in birds. p. 133.

Li, V.V. - Regulation of bile formation in birds. p. 140.

Kozhakhmetova, A.IU. - Total protein and its fractions in the blood serum of sheep during pregnancy. p. 144.

Ismagulova, F.A. - Effect of some vegetative poisons and mediators of nervous excitation on the thrombocyte level and prothrombin time in sheep. p. 151.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Biological Series]. Moscow, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Measures for the further development of biological science and the strengthening of its relation to life. p. 161.

Zil'ber, L.A. - Role of viruses in the etiology of cancer. p. 167.

Olenov, IU.M. - Genetics of tumor cells. p. 180.

Kas'ian, I.I. - Some physiological reactions of animals during flight in biocabins of ballistic rockets at altitudes up to 450-473 km. p. 201.

Apanasenko, Z.I., Kuznetsova, M.A. - Remote effect of space flight on the vestibular-tonic and flexor reflexes in guinea pigs. p. 214.

Vinnikov, I.A., and others. - Morphological and histochemical studies on the labyrinth of animals under conditions of a changed gravitational field. p. 222.

Sondak, V.A., Meisel', M.N., Manteifel', V.M. - Micronecrotic foci in the spleen of irradiated animals. p. 232.

Rusznyak, István. - Importance of lymph circulation under physiological and pathological conditions. p. 240.

Karaviako, G.I., Ivanov, M.V., Pomerants, L.B. - Microbiological studies in the Karakum sulfur deposit. p. 249.

Kuchaeva, A.G., and others. - Biology of actinomyces of the Fradiae group. p. 261.

L'vov, N.P. - New free-living nitrogen-fixing micro-organisms. p. 270.

Nikitin, D.I., Stefanov, S.B. - Electron microscopic examination of soil suspensions. p. 283.

Sukhareva-Nemakova, N.N. - [illegible] potential in a Schizotrypanum [illegible] p. 287.

Nektesova, I.D., Miniusheva, [illegible] organic phosphorus compounds [illegible] fungi. p. 293.

Belostokov, G.P. - Stem [illegible] Amur cork tree during the first [illegible] p. 300.

Zelenin, A.V. - Development of [illegible] scopic studies in the laboratories of [illegible] p. 308.

Imshenetskii, A.A. - Eighth Internat[illegible] cal Congress. p. 310.

Mishustin, E.N. - Agricultural [illegible] Eighth International Microbiolog[illegible] Montreal, 1962. p. 323.

Konarev, V.G. - Second scientific [illegible] nucleic acids in plants. p. 334.

No. 3, May-June 1964.

Table of contents translated: [illegible]

Biology and the intensification of agri[illegible]

Sisakian, N.M., and others. - [illegible] and future development of the [illegible] search in space. p. 341.

Kas'ian, I.I., Kopanev, V.I., IA[illegible] Blood circulation under conditions [illegible] ness. p. 352.

IUganov, E.M., Sidel'nikov, I.A., [illegible] Kas'ian, I.I. - Sensitivity of the [illegible] analysor and sensory reactions of [illegible] short periods of weightlessness. p. [illegible]

Kovalenko, E.A., Popkov, V.L., [illegible] I.N. - Use of the polarographic [illegible] termining the oxygen tension in [illegible] under the effect of high altitude [illegible]

Eksaeva, V.A., Koloss, E.I. - [illegible] vations on the epithelial lining of [illegible] vertebrates. p. 388.

Sisakian, N.M., Bekina, R.M. - [illegible] photosynthetic phosphorylation. p. [illegible]

Drobkov, A.A. - Interrelations between [illegible] conditions of nitrogen, phosphorus and [illegible] nutrition on the yield and change in [illegible] composition of plants. p. 410.

Biglov, T.T. - Frost resistance of winter [illegible] crops in relation to age and the intensity [illegible] growth processes. p. 424.

Balaeva, N.M., Lovina, E.N. - [illegible] Rickettsia prowazeki by the method of [illegible] antibodies in the organism of experimental [illegible] and insects. p. 433.

Semenenko, Ag.D., Khvedelidze, M.A., [illegible] Al.D. - Electrophytographic characteristics [illegible] the assimilation reactions and [illegible] of the stimulation rhythm in plants. p. [illegible]

Karapetian, V.K. - Controlled heritable [illegible] formation of the dual-purpose wheat [illegible] resistant winter forms. p. 451.

Shamina, Z.B. - Cytochemical study of [illegible] elements in actinomycetes. p. 460.

Erofeev, N.S. - Effect of straw on the [illegible] activity of soils and plants. p. 465.

Mishustina, N.E. - Characteristics of [illegible] nutrition of corn. p. 469.

Zalkind, M.S., Myslobodskii, M.B. - [illegible] conference dedicated to the centennial of [illegible] publication of I.M. Sechenov's book "Reflexes of the brain." p. 474.

Mishustin, E.N. - Pasteur Institute in Paris. [illegible]

Kocherezhkin, V.G. - Biological studies at the Annual Assembly of the Departments of the Academy of Sciences of the U.S.S.R. p. [illegible]

Kocherezhkin, V.G. - Session of the General Assembly of the Academy of Sciences of the U.S.S.R. p. 490.

Kuksa, I.N. - Scientific Council of the Academy of Sciences of the U.S.S.R. on the problems of physiology and biochemistry of micro-organisms. p. 492.

AKADEMIIA NAUK SSSR. Botanicheskii institut [illegible] [ACADEMY OF SCIENCES OF THE U.S.S.R. [illegible] cal Institute. Transactions. Ser. 3. [illegible] [Geobotany], no. 15, 1963. Statsionarnye issledovaniia rastitel'nosti [Station study of vegetation].

Table of contents translated:

Solonevich, N.G. - Structure and productivity of some swamp plant communities. p. 3.

Vasilevich, V.I. - Statistical approach to a [illegible] association. p. 94.

Triasuchkina, A.O. - Effect of a meadow plant association on the morphology and biology of [illegible] components. p. 106.

Syrokomskaia, I.V. - Characteristics of the [illegible] climate of the three-component complex of the Caspian lowland (Dzhanybek Field Station). [illegible]

Karamysheva, Z.V. - Primary successions in [illegible] habitats of the central Kazakhstan [illegible] p. 146.

Rachkovskaia, E.I. - Types of vegetation [illegible] of the dry steppe of central Kazakhstan and [illegible] classification. p. 159.

Sveshnikova, V.M. - Materials on the water [illegible] of the Kazakhstan wormwoods. p. 171.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Biologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Biological Institute. Transactions]. Novosibirsk, no. 10, 1964. Fauna, sistematika i ekologiia nasekomykh i kleshchei [Fauna, taxonomy and ecology of insects and acarids].

Table of contents translated:

Foreword. p. 5.

Cherepanov, A.I., Opanasenko, F.I. - Fauna of weevils in the coastal zone of Novosibirsk Reservoir. p. 7.

Strigonova, V.E. - Hornfails (Hymenoptera, Siricidae) in Western Siberia. p. 24.

Cherepanov, A.I., Zolotarenko, G.S. - Ecologic characteristics of trunk pests in the [illegible] shelter-belts of Western Siberia. p. 43.

Cherepanov, A.I. - Larch leaf roller in the forests of the Gornyy Altai. p. 51.

Kutuzov, P.K., Dubkate, A.P. - Drying of trees injured by the leaf caterpillar Dendrolimus sibiricus. p. 57.

Ivanovskaia-Shubina, O.I. - Materials on plant lice in Tomsk Province. p. 61.

Ivanovskaia-Shubina, O.I. - A new species of jumping plant lice (Homoptera, Aphidoidea) from central Kulunda. p. 72.

Gonyalina, L.M. - Plant lice of the genus Aphis L. found on currants and gooseberries. p. 77.

Mirzaeva, A.G. - Fauna of biting midges in the Ob' Valley. p. 82.

Patrusheva, V.D. - Invasion of blackflies in various biotopes. p. 88.

Pollakova, P.E. - Fauna of bloodsucking non-biters (Diptera, Culicidae) in the lower Ob' Valley. p. 97.

Violovich, N.A. - Materials on gamasid mites (Gamasoidea) in the Kamchatka Peninsula. p. 102.

Davydova, M.S. - Gamasid mites of water rats in the forest steppe zone of Western Siberia. p. 109.

Davydova, M.S., Grigorenko, L.N. - Variation of the relationships between ticks and the causative agents of natural focus infections. p. 121.

Shivorenko, A.I. - Entomogenous bacteria in the control of pests of agricultural crops. p. 130.

Cherepanov, A.I., Gorbov, N.I., [illegible], N.P. - Effect of insecticidal aerosols produced by the TDA generator on Arthropoda in glass plants. p. 141.

Patrusheva, V.D. - Effect of meteorological conditions on the invasive activity of blackflies. p. 152.

Mirzaeva, A.G. - Effect of meteorological conditions on the invasive activity of biting midges in the Chulym Valley within Tomsk Province. p. 171.

Violovich, N.A. - Bloodsuckers (Diptera, Tabanidae) of Tuva. p. 183.

AKADEMIIA NAUK SSSR. Zoologicheskii institut. Gel'mintologicheskaia laboratoriia [ACADEMY OF SCIENCES OF THE U.S.S.R. Zoological Institute. Papers on Nematodes of Farm Crops]. Moscow, no. 2, 1961. Metody issledovaniia nematod rastenii, pochvy i nasekomykh [Methods of studying the nematodes of plants, soils, and insects].

Table of contents translated:

Introduction. p. 3.

Kir'ianova, E.S. - Collection and identification of the root knot nematodes of the family Heteroderidae (Skarbilovich, 1947) Thorne, 1949. p. 5.

Decker, A.M. - Inspecting the areas under potato crops for detecting the golden nematode by means of the selection and analysis of soil samples. p. 31.

Isakanova, N.A. - Inspecting potato fields for detecting the focuses of the golden nematode. p. 43.

Kovalev, V.F. - Methods of the inspection and prophylaxis of the Meloidogyne on tubers of greenhouse ornamental plants. p. 48.

Krall, E.L. - Some methods for isolating the plant nematodes from the soil. p. 57.

Bezrukova, A.M. - Strawberry nematode and the complex of measures for protecting strawberries. p. 63.

Pokazchenkov, P.A., Artiukhovskii, A.K. - Methods of studying mermithids (Mermithidae, Nematodes). p. 70.

Ladygina, N.M. - Some methods of ecological and physiological study of plant nematodes. p. 91.

Kuznetsov, V.G. - Methods of some biochemical work on plant nematodes. p. 111.

Mugo, S.G. - Methods of the biochemical and histochemical studies of plant nematodes. p. 119.

Mugo, S.G. - Methods of the sterilization of plant nematodes. p. 125.

Paramonov, A.A. - Method of thermal staining of nematodes by polychrome blue. p. 128.

Turlygina, E.S. - Cultivation of saprobiotic nematodes. p. 130.

Turlygina, E.S. - Methods of testing nematicides in laboratory experiments. p. 133.

Chikalina, V.I. - Methods of the laboratory testing of preparations for nematicidal properties. p. 134.

Nilson, A.M., Krall, E.L. - Possibilities of using a combined system of punched cards in the bibliographical work on plant nematodology. p. 141.

Goodey, Basil J. - Data to be considered, observed and, where possible, reported upon when preparing descriptions of new species. p. 147.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia. Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Biological Sciences]. Ashkhabad, no. 6, 1963.

Table of contents translated:

Ermakova, L.A., Mikheev, G.P. - Nutritive value of basic grazing crops of the Turkmen S.S.R. p. 3.

Nechaeva, N.T., Mordvinov, N.A. - Forecast of the yield of ephemeral forage plants in the desert pastures of Turkmenistan based on the depth of moisture percolation in soil. p. 17.

Nesterova, A.S. - Studies of the development of flowers and decorative plants in the piedmont of Kopet-Dag (Turkmen S.S.R.). p. 24.

Gavrilenko, I.S. - Areas and species of the family [illegible] in the landscaping of settlements of the Turkmen S.S.R. p. 33.

Mirzaeva, M.T., [illegible], N.K. - Hyaloplasm [illegible] in the cultures of [illegible]. p. 41.

[illegible], N.T. - Foliage used as crops in the Turkmen S.S.R. p. 42.

Paleshko, N.P. - Pelleting as a new method of multilayered [illegible] seed with [illegible]. p. 53.

Sazhin, N.A., Zudin, A.I. - Characteristics of the mineral composition of the silt fractions of takyrs in the Murgab Oasis. p. 57.

[illegible], L.L. - Classification of the movement of [illegible] as the data of meteorological stations. p. 71.

[illegible], G.V. - Effect of the feeding intensity on the [illegible] on the gas, milk and fattening rates of young cattle. p. 80.

[illegible], A.V., [illegible], E.N. - Chemical composition of Alhagi persarum. p. 82.

Atamuradov, A. - Horizons in the [illegible] of Kelifskiy Uzboy. p. 87.

[illegible], M.A. - [illegible] mites (Sarcoptiformes, [illegible]) in southwestern Turkmenia. p. 91.

[illegible], M.V. - Root aphids of the lower Murgab Valley. p. 92.

[illegible], V.V. - Retention of self-regulation of Turkmenia. p. 93.

[illegible], I.B. - "Reptiles of Turkmenia" by N.P. Bogdanov. p. 95.

[illegible] - [illegible] of the [illegible] by [illegible]. p. 96.

[illegible] - [illegible] All-Union [illegible] on the [illegible] of [illegible]. p. 97.

[illegible], M.A., Mirzaeva, N.N. - [illegible] conference of the members of the All-Union Entomological Society. p. 98.

[illegible], V.V. - All-Union scientific conference dedicated to the 50th anniversary of the Kazan Veterinary Institute. p. 99.

Index of articles published in the journal "Izvestiia Akademii nauk Turkmenskoi SSR, seriia biologicheskikh nauk" in 1963. p. 105.

ALMA ATA. [illegible] Trudy [illegible] (Transactions). Vol. 9, 1963.

ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVE OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 43, no. 12, Dec. 1962.

Table of contents translated:

[illegible], L.F. - Functional and morphological changes in the neuronal synapses in a number of vertebrates. p. 3.

[illegible], A.L., [illegible], Iu.S. - Cytochemistry of the blood glycogen in mammals after a single total-body x-ray irradiation. p. 18.

[illegible]-Aleksandrova, V.V. - Extracranial sources of innervation of the cerebral dura mater. p. 30.

[illegible], L.I. - Development of the nervous apparatus of the large human arteries in embryogenesis. p. 42.

[illegible], N.M. - Postnatal evolution and structural characteristics of the most important paraganglia in man. p. 50.

[illegible], L.M. - Right Parker's cardiac nerve in dogs. p. 58.

[illegible], K.P. - Formation of the median and ulnar nerves and the accompanying anomalies of the axillary artery in man. p. 65.

[illegible], [illegible] - Electron microscope examination of the early stages of myelination of the sciatic nerve in the chick embryo. p. 69.

[illegible], Iu.A. - Blood vessels of the omentum of the lower jaw in man. p. 77.

Knorre, A.G. - "Submicroscopic structures of [illegible] and tissues in health and pathology. Their [illegible] logical and pathological significance" [translated from the French] by A. Policard and Ch. [illegible] p. 84.

Lev, I.D. - "A concise manual for the study of conduction paths in the brain and the spinal [illegible] by R.R. Lavrov. p. 93.

Eliseev, L.K. - Report on sessions of the [illegible] the All-Union Scientific Society of Anatomists, Histologists and Embryologists. p. 98.

Vilkin, A. - First scientific conference of [illegible] histologists and embryologists of the Lithuanian S.S.R. with the participation of morphologists [illegible] the Latvian S.S.R., Estonian S.S.R. and White Russian S.S.R. in Kaunas, June 21-24, 1962. p. 100.

Bibliographic index of articles published in the "Arkhiv anatomii, gistologii i embriologii" [illegible] 1962 (vols. 42-43). p. 103.

BIOKHIMIIA [BIOCHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 27, no. 6, Nov.-Dec., 1962.

Table of contents translated:

[illegible], M.M., Andreeva, A.P. - [illegible] [illegible] in the interaction of [illegible] (glycine-1-C^{14}) [illegible] with [illegible]. p. 951.

[illegible], I.P. - Structural proteins of the cardiac muscle. p. 1017.

[illegible], A.A., [illegible], L.M. - [illegible] [illegible] in the dark by green barley plants. p. 1024.

[illegible], I.I., [illegible], V.A. - Comparative study of the properties of [illegible] of the [illegible] system in vertebrates and insects. p. 1029.

[illegible], V.S., and others - Determination of [illegible] activity of [illegible] [illegible] by photometry. p. 1041.

[illegible], I.I. - Preparation and characteristics of [illegible] [illegible] of [illegible] glands. p. 1046.

[illegible], V.S. - Permeability of the [illegible] [illegible] of [illegible]. p. 1051.

[illegible], V.V. - [illegible] in [illegible] [illegible] determined by [illegible] [illegible] protein. p. 1053.

[illegible], N.M., [illegible], N.A. - Comparative properties of [illegible] [illegible] and [illegible] [illegible] proteins [illegible] plants. p. 1057.

[illegible], A.A., and others - New data on the [illegible] of [illegible] [illegible] [illegible]. p. 1064.

[illegible], V.I., [illegible], M.S., [illegible] - [illegible] in [illegible] [illegible] of [illegible] [illegible] plants. p. 1071.

[illegible], V.I., Manteifel, N.V., [illegible], M.M. - Correlation between chromatographic [illegible] and other properties of poliomyelitis virus variants. p. 1078.

[illegible], N.I., and others - Isolation of [illegible] [illegible] and the production of the [illegible] [illegible]. p. 1079.

[illegible], N.N., [illegible] ([illegible]) - [illegible] in the [illegible] and [illegible] of [illegible] [illegible]. p. 1085.

[illegible], N.N., and others - DNA-polymerase in [illegible] cells infected with T2 phage. p. 1092.

[illegible], N.N. - Effect of insulin on glucose and [illegible] uptake by isolated fat tissue of the [illegible] of normal rats, starved rats, and alloxan diabetes. p. 1104.

[illegible], V.P., Frenkel', S.Ia. - Macromolecular configuration of single chain globular proteins [illegible] of spiralizing schemes. p. 1111.

[illegible], V.S. - Biochemistry at the Eighth International Cancer Research Congress. p. 1119.

Author index for Vol. 27. p. 1121.

Subject index for Vol. 27. p. 1130.

Table of contents for Vol. 27. p. 1140.

BIOLOGIIA V SHKOLE [BIOLOGY IN SCHOOLS]. Org[illegible] of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 3, May-June 1964.

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 49, [illegible] Apr. 1964.

Table of contents translated:

Kolchevnikov, L.V. - Origin of cosmopolitism as illustrated by the example of Holcinae. p. 473.

Vasil'chenko, I.T. - Present status of the problem of the origin of grapes. p. 487.

[illegible], A.A., Gubanova, N.M. - Structure of chloroplasts in the ontogeny of plants. p. 503.

Kuvaev, V.B. - Phytogeographical profile across the left-shore area of the Amur River and southern Yakutia. p. 511.
Shvareva, N.IA. - Genus Fagus from the Lower Sarmatian deposits of Mt. Kortumova (Lvov). p. 523.
Bobrov, A.E. - Comparative morphological anatomical study of the species of Polypodium L. of the flora of the U.S.S.R. p. 534.
Zhukovskii, P.M. - New horizons in wheat breeding. p. 546.
International code of botanical nomenclature adopted by the Ninth International Botanical Congress; addenda and amendments to the Paris text [translated from the English]. p. 549.
Antsiferov, N.G. - Accelerated method of detecting Phytophthora in the potato leaves. p. 573.
Laptev, IU.P. - Investigation of the geographical distribution of some morphological characteristics of cultivated wheat. p. 576.
Shakhova, O.V. - Habitats of scotch pine in the north of the Yakut A.S.S.R. p. 581.
Sokolovskaia, A.P., Melikian, A.P. - Karyotype of Barclaya longifolia Wall. p. 585.
Getsen, M.V. - Higher plants of the Vashutkiny Lakes in Bol'shezemel'skaya Tundra, (Usa Basin). p. 587.
Zaikova, V.A. - Dynamics of the yield of meadow phytocenoses in connection with ecological conditions and the application of fertilizers. p. 589.
Perepechko, N.D. - Ononis arvensis L., a new medicinal plant. p. 592.
Pilipenko, F.S. - Are eucalypti really the tallest trees in the world? p. 594.
Greshnova, V.N., Nutal'ina, O.B. - Infection of the broomrape on corn by common smut of corn. p. 599.
Syrokomskaia, I.V. - Successive changes of some meadow associations. p. 600.
Goryshina, T.K. - Subnivean formation of chlorophyll in prevernal plants growing in oak-dominant woods. p. 603.
Shalyt, M.S., Popova, A.IA. - "Taxonomy of plants" by N.A. Komarnitskii, L.V. Kudriashov, A.A. Uranov. p. 604.
Protsenko, D.F., Mininberg, S.IA. - "Practical work in the anatomy of plants" by R.P. Barykina and others. p. 607.

Lavrenko, E.M. - "On the phytogeographical structure of Iran" [in English] by M. Zohary. p. 609.
Ruzicka, Milan. - Problems of phytogeography in Czechoslovakia. p. 618.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and Central Council of the All-Union Lenin Pioneers]. Moscow, no. 6, 1964.

MIKROBIOLOGICHNYI ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Instytut mikrobiologii Akademii nauk URSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 25, no. 1, 1963.

Table of contents translated:
Zhereluchuk, L.K. - Effect of gibberellin on the wrinkled potato mosaic viruses. p. 3.
Aleksandrov, V.H., Ternovs'ka, M.I. - Liquid silicate bacteria preparation for winter barley. p. 8.
Pasichnyk, A.M., Matvieieva, M.D., Tulina, H.H. - Effect of x-ray and nuclear irradiation of Bac. perfringens. Report No. 1: Changes in the morphology and cultural characteristics of type A and B Bac. perfringens produced by the action of gamma-neutron irradiation. p. 10.
Pidhorna, L.H. - Effect on immunogenesis of various doses and number of administrations of antigens during the immunization of people with a dianatoxin of clostridium perfringens and cl. oedematiens. p. 16.

IArots'ka, N.I. - The Antitrichomonal action of immune bovine serum under experimental conditions. p. 21.
Kal'chenko, M.M. - Study on the detection of Diplococcus septicus in the venous blood of oxen producing antidiplococcal serum. p. 25.
Preobrazhens'ka, N.IU. - Effect of imanin and novoimanin on the respiration of cells of Straphylococcus aureus 209 and its UF-3 mutant in the presence of amino acids. p. 28.
Lenova, L.I. - Selective accumulation of Salmonella enteritidis in transplanted and induced tumors. p. 32.
Hryhorashchenko, O.IU., Kharmats, L.M. - Data on the study of bacterial contamination of the air in Odessa. p. 35.
Sur'ianinova, K.I. - Bacterial flora of shrimps. p. 41.
Rashba, O.IA. - Specific polysaccharides of streptococci. p. 44.
Vizir, P.IE. - Genetic activity of the chemical components of the bacterial cell. p. 52.
Klein, B.I. - Interesting work on bacteriophagy. p. 63.
Bilokin', I.P. - M.H. Kholodnyi -- scientist and thinker; based on unpublished materials. p. 65.
Lipsits, D. - All-Union Scientific and Methodological Conference on Potato Wart. p. 71.
Pochynok, P.IA. - Fourth conference on the problem of phytoncides. p. 72.
Zinov'ieva, Kh.H. - Scientific and methodological conference on bacterial fertilizers. p. 74.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Biulleten' [MAIN BOTANICAL GARDEN. Bulletin]. No. 48, 1963.

Table of contents translated:
Vavilov, P.P., Moiseev, K.A. - Introduction of silage plants and their propagation on state and collective farms of the Komi A.S.S.R. p. 3.
Nekrasov, V.I., Smirnova, N.G. - Seed productivity and quality of seeds of some introduced woody plants and shrubs. p. 11.
Eliseev, I.P. - Introduction and acclimatization of the cherry Cerasus tomentosa (Thunb.) Wall. in Gorkiy Province. p. 17.
Sokolov, S.IA. - Architectural and artistic role of the types of forests. p. 25.
Griner, B.M. - Arboretum in fall. p. 32.
Prikladovskaia, N.F. - Sweet gum (Liquidambar styraciflua) in Lvov. p. 39.

Istratova, O.T. - Decorative forms of the tulip tree and their biological characteristics. p. 42.
Kolobkova, E.V., Kudriashova, N.A. - Amino acid composition and crude protein content in the herbage of vetch and sainfoin. p. 48.
Sokolova, S.M., Tiunova, N.A. - Irreplaceable amino acid content in the herbage of corn and the perennial wheat M-2. p. 53.
Perekhodkin, L.P. - Effect of pollenizer varieties on the quality of seeds and seedling stock of apple trees. p. 56.
Mikhalevskaia, O.B. - Development of buds of the Scotch pine in Moscow Province. p. 61.
Vasil'ev, A.E. - Vegetative segregation in poplars and its characteristics. p. 68.
Miuge, S.G., Talieva, M.N. - Phototherapy of plants. p. 73.
Protsenko, E.P. - Development of pathogenic mycoflora during plant introduction. p. 80.
Shumilenko, E.P. - Transmission of brown rot by the seeds of flowering plants. p. 84.
Martem'ianov, P.B. - Use of fertilizers for growing woody plants on turf-Podzolic soils. p. 86.
Fomin, E.M., Fateeva, A.A. - Use of additional light for producing seeds of Primula obconica Hance. p. 91.
Kharach, A.M. - Increase in sugar content in radish as a result of the presowing seed treatment. p. 93.
Rotov, R.A. - Prickly pears turning wild in the Caucasus. p. 95.
Sileva, M.N. - Chemical composition of the prickly pear. p. 99.
Tuzhikov, V.L. - Biology of the flowering of the oil-bearing popy in Moscow Province. p. 100.

Kirichek, IU.K. - Southern balsam fir and Alcock spruce in the Trostianets Arboretum. p. 105.
Korotkova, E.E. - Plantation of Ungernia victoris Vved. p. 107.
Konstantinov, N.N. - Pavel Aleksandrovich Baranov (1892-1962). p. 108.
Kabanov, N.E. - Hortus Botanicus Bogoriensis in Indonesia. p. 112.
Korovin, S.E. - Council on Botanical Gardens of the U.S.S.R. p. 120.
Kondratiuk, E.N., Prikhod'ko, S.N. - Council on Botanical Gardens of the Ukrainian S.S.R. and Moldavian S.S.R. p. 122.
Zunde, I.K. - Research work at the botanical gardens of the Baltic area. p. 124.

OKHRANA PRIRODY SIBIRI I DAL'NEGO VOSTOKA [CONSERVATION IN SIBERIA AND THE FAR EAST]. Issued by Komissiia po okhrane prirody Sibirskogo otdeleniia Akademii nauk SSSR [Committee on Conservation of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 1, 1962.

Table of contents translated:
From the editors. p. 3.
Krylov, G.V. - Conservation in Siberia and the objectives of scientific institutions. p. 7.
Kurazhskovskii, IU.N. - Founders of Marxism-Leninism on the relationship between man and nature. p. 16.
Gorshenin, K.P. - Conservation of soils. p. 26.
Tiumentsev, N.F., IUrkova, S.M. - Effect of wind erosion on soils in western regions of the Altai Territory. p. 33.
Petrova, N.I. - Soil erosion control, one of the basic measures for conservation. p. 37.
Koldanov, V.IA. - What we learn from afforestation in the steppe. p. 44.
Kabanov, N.E. - Some problems of conservation in Kamchatka. p. 52.
Elagin, I.N. - First afforestation results in
chatka Valley. p. 61.
Izmailov, I.V. - Some problems of conserva
Buryatia. p. 71.
Klintsov, A.P. - Conservation in Sakhalin.
Ioganzen, B.G., and others. - Conservation
Baraba. p. 85.
Kriukov, A.S. - Creation of a natural park i
Altai Autonomous Province. p. 107.
Mel'kheev, M.N. - Waterfalls of the south of
as unique monuments of nonliving nature.
Khoroshikh, P.P. - Registration and conser
caves in Siberia. p. 126.
Beliakov, A.I. - Museums and conservation.
Itskovich, A.A., Vinogradova, V.A. - Estab
permissible concentration of phenols in th
phere. p. 139.
Sidorenko, A.I. - Bacterial characteristics o
atmosphere in Novosibirsk. p. 146.
Cherepanov, A.I. - Injurious insects and pro
of conservation of the steppe woods in Wes
Siberia. p. 154.
Gluzdakov, S.I. - Vegetation of Bugotak balds
object of conservation. p. 162.
Krechetov, N.I. - Preserve Siberian pine-har
forests of the Far East. p. 164.
Starikov, G.F. - Manchurian ash in the north
Far East. p. 167.
Krechetova, N.V. - Protect a valuable relict,
Amur cork tree. p. 169.
Galkina, L.I. - Preservation of marmot in We
Siberia. p. 170.
Zykov, I.V. - Migrations of squirrels in the S
taiga. p. 172.
Marikovskii, P.I. - Introduction of red wood a
order to protect forests from injurious inse
p. 174.
Gyngazov, A.M. - Role of the Zoological Mus
the Tomsk University in making propaganda
conservation problems. p. 183.
IUkhno, V.S., Filonov, K.P., Kaplin, V.M. -
Barguzin State Preserve. p. 187.
Dul'keit, G.D. - Effect of preservation on the
tion and distribution of marals. p. 193.
Zhitenov, D.V. - Occurrence of new birds in t
coastal region of Lake Teletskoye. p. 196.
Fediushin, A.F. - Problems of conservation i
R.S.F.S.R. at the First All-Russian Congr
(1929). p. 201.
Krylov, G.V., Ioganzen, B.G. - G.E. Ioganzen
(1866-1930), the oldest student of local geog
and zoology of Siberia. p. 205.
Gradoboev, N.D., Krylov, G.V. - K.P. Gorshe
recipient of the Lenin Prize. p. 209.
Ioganzen, B.G. - M.M. Kozhov, student of natu
the Baikal Lake region. p. 212.
Krivishchekov, G.M. - A.V. Fediushin, zoologi
Siberia. p. 217.
Krylov, G.V. - V.V. Reverdatto, botanist and s
of nature of Siberia. p. 221.
Salatova, N.G. - A.I. Kurentsov, zoologist of th
Far East. p. 224.
Ioganzen, B.G. - Study of the problems of water
fish conservation in the Altai. p. 229.
Laptev, I.P. - Teaching conservation problems
Tomsk University. p. 223.
Nemchinov, A.G. - Commission on conservation
the Yakut Branch of the Academy of Sciences
the U.S.S.R. p. 237.
Laptev, I.P. - Tomsk section of the All-Russian
Society of Conservation. p. 239.
Kurentsov, A.I. - Work of the International Cong
on Conservation. p. 241.
Salatova, N.G. - Siberian conference on vitamins
p. 244.
Krylov, G.V. - A needed booklet on forest resou
of the U.S.S.R. and the world. p. 249.
Krivoshchekov, G.M. - "Nature of Tomsk Provi
and its protection." p. 252.
Gundrizer, A.N. - "Problems of conservation in
Western Siberia." p. 254.
Ioganzen, B.G., Krivoshchekov, G.M. - New lite
ture on problems of conservation in Siberia,
1951-1960. p. 258.

PECHORO-ILYCHSKII GOSUDARSTVENNYI ZAPOVE
NIK. Trudy [PECHORA-ILYCH STATE PRESERV
Transactions]. Syktyvkar, no. 9, 1961.

PRIBALTIISKAIA KOMISSIIA PO IZUCHENIIU MIGRA
TSII PTITS. Soobshcheniia [BALTIC COMMISSION
FOR THE STUDY OF BIRD MIGRATION. Reports]
Tartu, no. 2, 1963.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHI-
MIIA (Otdel'nyi vypusk 30i) [JOURNAL OF AB-
STRACTS: BIOCHEMISTRY (Separate Issue 30)].
Issued by Institut nauchnoi informatsii Akademii n
SSSR [Institute of Scientific Information of the Acad-
emy of Sciences of the U.S.S.R.]. Moscow, nos.
10, May 1964.

REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, June 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]. Moscow, no. 3, 1964.

Table of contents translated:

Dobrovol'skii, G. V. - Fuller use of the scientific personnel of the schools of higher learning in the struggle for the intensification of agricultural production. p. 7.

Isaeva, V. V. - Reaction of Amoeba proteus (Pall.) of different age to some injurious actions. p. 11.

Kasimov, V. D. - Growth and differentiation in the development of the posterior regenerate in Oligochaeta. Report No. 1: Measurement of the growth rate of the regenerate. p. 16.

Krenke, G. IA. - Experimental study of the feeding habits of animals which inhabit filamentous green algae in stagnant bodies of water. p. 19.

Ageeva, K. M. - Fauna of Hemiptera in southern Zaporozh'ye Province. p. 24.

Timofeev, A. A., Timofeeva, V. N. - Injury of the Siberia elm by Rhynchaenus sp. (Coleoptera, Curculionidae) in the Baikal Lake region. p. 29.

Diadechko, N. P., Zhiganov, O. N. - Injury of pea inflorescence by thrips. p. 33.

Tsepkin, E. A. - Remnants of fish populations of the second and first millennium B.C. on the Peschanyy Peninsula in the Maritime Territory. p. 35.

Markuze, V. K. - Economic importance of piscivorous birds, reptiles and amphibians for fish spawning and rearing farms of the Volga Delta. p. 39.

Smirin, IU. M., Shilov, I. A. - Ecology of food storage by the sparrow owl. p. 43.

Denisov, V. P. - Distribution of susliks Citellus pygmaeus Pall. and Citellus major Pall. in the trans-Volga region. p. 49.

Elizarov, IU. A. - Study of chemoreception in insects and ticks. Report No. 1: Electrical activity of chemoreceptors of Haller's organ under the action of repellents. p. 55.

Shkorbatov, G. L. - Dependence of the blood catalase activity and liver dehydrase of carp, Amur wild carp, and their hybrids upon the temperature of the environment. p. 60.

Kopylova, G. N. - Mutual overlap of impulse effects of different extracardial effector pathways in the intracardial nervous system. p. 66.

Shugurov, O. A. - Structure of the reflex arc of the flexor reflex. p. 72.

Altik, T. A., Kireev, M. V. - Energy metabolism in the skeletal muscle of the frog under the "cooling effect." p. 76.

Orlov, D. N. - Effect of animal toxins on the excitation and inhibition processes during the epileptiform reaction in rats. p. 80.

Shaidorova, V. V. - Determination of the amino acid composition of the prepupal body of bees of different species by paper chromatography. p. 85.

Goncharenko, E. N., Kudriashov, IU. B. - Mechanism of the radiomimetic effect of the oxidized oleic acid on the animal organism. p. 88.

Kozlov, IU. P., Gorin, A. I. - Effect of the inhibitors of free-radical processes on irradiated yeast cells. p. 91.

Lebedev, N. V., and others. - Effect of acoustic oscillations on some representatives of the zooplankton of the Black Sea. p. 94.

Kaden, N. N. - Morphology of geranium seeds. p. 97.

Moshkalenko, N. G. - Methods of building phenological spectra. p. 103.

Bannikova, V. A. - Step-by-step flowering of rye. p. 107.

Snagovskaia, M. S. - Reproduction of the sickle-shaped alfalfa (Medicago falcata L.) by seeds. p. 111.

Kovaleva, A. N. - Reproduction of the Tatarian maple (Acer tataricum L.) in the southeastern U.S.S.R. p. 116.

Komendar, V. I. - Phytocoenosis of the curvuletum in the Ukrainian Carpathians. p. 123.

Dadhis, M. S., and others. - Cultivation of fodder yeast on the hydrolysates of the polysaccharides of marine algae and aquatic flowering plants. p. 128.

Levshina, N. A. - Chlorophyll content of the plankton of the Moskva River. p. 133.

Garibova, L. V. - Nutrition physiology of the cultivated champignon Agaricus bisporus Lange. Report No. 1. p. 137.

Alabushev, V. A. - Abnormalities in plants caused by the herbicide 2,4-D. p. 142.

Rasgovin, V. A. - Possibility of using gibberellin to increase the yield of lettuce. p. 146.

Koleshov, O. T. - Effect of microelements on the yield of peas and fodder beans. p. 151.

Boiko, L. A., Matukhin, G. R. - Enzymatic transformations of some carbohydrates in the leaves of field crops in relation to their adaptation to soil salinity. p. 154.

Kudasov, IU. I. - Change in some physiological processes during the rooting of apple tree cuttings. p. 158.

Bezborodov, A. M., Domracheva, L. A. - Utilization of intracellular substrates by actinomycetes in the absence of external sources of nutrition. p. 162.

Kondrat'eva, E. N., Novikova, G. A., Kuznetsova, V. M. - Antimicrobial properties of carbamide resin and its use by some microorganisms. p. 166.

Fomin, G. V. - Morphological and physiological analysis in corn breeding. p. 171.

IAkovleva, L. V. - Effect of the rise of the groundwater level on the adjacent soils of Rybinsk Reservoir. p. 175.

Gukhanova, N. P. - Composition of lysimetric waters under a pinewood. p. 181.

Aleshchukin, L. V. - Copper and nickel in mountain tundra soils of the Kola Peninsula. p. 187.

Sheremet, B. V. - Trace element content of soils in the central Kamchatka Depression. p. 191.

Tiurukanov, A. N., Shamanova, G. M. - Cartogram of the iodine content of soils in Kaluga Province and methods of its drawing. p. 196.

Rubko, G. V., Skoleta, E. M. - Polarographic determination of sulfate ions in the water extract of soil. p. 199.

Makarova, T. V. - Fourth Conference of Embryologists. p. 201.

TIFLIS. BOTANICHESKII SAD. Vestnik [BOTANICAL GARDEN. Journal]. No. 69, 1962.

Table of contents translated:

[illegible], Z. D. - Some representatives of the walnut family in eastern Georgia. p. 3.

Managadze, G. D. - Perennial ryegrass (Lolium perenne L.) as a lawn grass in Tiflis. p. 21.

[illegible], M. D. - Manna ash (Fraxinus ornus L.) as one of the best decorative ornamental species in the landscape gardening of Tiflis. p. 27.

Pkhitishvili, M. N. - Rhythm and the character of blossoming of roses grafted on different rootstocks. p. 37.

Zharkov, D. G. - Tree of heaven in Tiflis and environs. p. 49.

Bagaturia, V. A. - Cultivation of Korean chrysanthemum in the mountains of eastern Georgia. p. 53.

Cherkezishvili, T. S. - Sweet William and Siberian carnation in the botanical garden of Tiflis. p. 59.

Bagaturia, V. IA., [illegible], D. I. - Protection of dahlias from degeneration and pests in Georgia. p. 65.

[illegible], S. K., Kapanadze, P. I., Chakvetadze, D. - Chemical composition of the fruit of some peach (Persica vulgaris Mill.) and apricot (Armeniaca vulgaris L.) varieties cultivated in Georgia. p. 75.

Vachnadze, I. I., Rostia, K. D. - One more unknown habitat of Zelkova carpinifolia (Pall.) Dipp. in Kakhetia. p. 81.

Gavrilenko, D. D. - Giant reed (Arundo donax L.) in eastern Georgia. p. 85.

Gogoliashvili, M. A. - Limiting effect of soil mulching on the growth of weeds. p. 99.

Gogoliashvili, M. A. - Effect of mulching on the growth of perennial crops. p. 102.

*TSITOLOGIIA [CYTOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 3, May-June 1963.

Table of contents translated:

Urgent problems of cytology. p. 251.

Lozina-Lozinskii, L. K., Zaar, E. I. - Motility and immobilization of the cells of Euglena gracilis Klebs in relation to the type of nutrition and illumination. p. 261.

Kovaleva, N. E., Seliverstova, G. V. - Influence of the temperature factor on the DNA and RNA content in Paramecium caudatum. p. 273.

Vinogradova, A. N., Dabagova, T. A. - Study of substantial and functional changes in the retractor of Phascolosoma under a prolonged thermal influence. p. 279.

Irlina, I. S. - Effect of some salts and ethyl alcohol on infusorians adapted to various temperatures. p. 287.

Frale, E. L. - Study of early radiation effect by changes in the intensity of secondary fluorescence in lymphocytes. p. 295.

Kalinkova, V. D., Roskin, G. I. - Ribonucleic acid in the life cycle of Schizotrypanum cruzi. p. 301.

Liberman, E. A., Chailakhian, L. M. - The nature of biopotentials of nerve and muscle fibers. Report No. 1: The current membrane theory and its difficulties. p. 311.

Kiknadze, I. I. - Existence of nucleoli at the early stages of cleavage. p. 318.

Mosolov, A. N. - Electron microscopy
blast surface in human embryonal t
p. 320.

Shapiro, E. A. - Change in the vital st
endings during a pessimum. p. 323.

Vol'fenzon, L. G. - Effect of glycerol
tion of ciliated epithelium of the r
cooling and supercooling. p. 326.

Rumiantseva, V. M. - Changes in yea
deep cooling in water, brewer's w
p. 329.

Shliakhter, T. A. - Salt tolerance of th
ciliated epithelium of rats differing
qualitative composition of lipids. p

Pisareva, L. N. - Change in the total
content in isolated sartorius muscle
p. 333.

Braun, A. D., Nesvetaeva, N. M., Fi
Resistance of actomyosin in the my
skeletal muscle to the denaturing e
ethyl alcohol and urea. p. 335.

Poglazov, B. F., Volkova, T. IA., Zot
Contractile protein from the liver
p. 338.

Nechaeva, N. V. - Quantitative cytoche
nation of RNA in the nuclei of acinu
the normal physiological cycle of th
gland in rats. p. 339.

Sopina, V. A. - Resistance of endopara
from some species of amphibians to
p. 343.

Sergeeva, G. I. - Distribution of acid p
in parasitic protozoans from amphib

Ptitsyn, O. B., Fedorov, B. A. - Small
scattering study of the structure of
native RNA. p. 352.

Moroz, P. E. - Movement of the anti-co
by means of thermoconverter plant du
manipulation under the microscope.

Levinson, L. B. - On the 70th birthday
G. I. Roskin. p. 356.

Gomolichenko, IU. L., Chubakova, N.
meeting on polyploidy. p. 359.

Barenboim, G. M., Pinto, R. I. - Some
All-Union Conference on Luminesce

UKRAINS'KYI BIOKHIMICHNYI ZHURNAL
BIOCHEMICAL JOURNAL]. Published b
khimii Akademii nauk URSR [Institute of
of the Academy of Sciences of the Ukrai
Kiev, vol. 34, no. 1, 1963.

Table of contents translate

Sitin, O. P., Kitaeva, N. V., Popov
Properties of γ- and β-globulins p

Poliakova, N. M., Lishko, V. K. - Fra
soluble brain proteins. p. 10.

Kondrashenko, V. P., Fedorova, G. P
chemical properties of the serum pr
rabbits with [illegible]

Parabol, V. A., Bernshtein, S. A. - Pola
activity of serum proteins in acute
ness and the preventive administrati
gallate. p. 32.

Kocherga, V. I., Mazur'ka, T. N. - Iso
nucleic acids from the brain by the p
p. 39.

Rybina, A. O. - Effect of 2,4-dinitrophe
introduction of thiamine in the rabbit
conversion. p. 47.

Chabovs'kin', R. V., Shtol'man, IU. M.
glucose synthesis and its utilization
organisms under the effect of insuli

Pashko, A. A. - Incorporation of methi
tissue and serum proteins of A-avita
a low-protein diet. p. 65.

Podorozhna, O. P., Komisova, V. M.
of glycine-C^{14} in the protein of tissue
rats in postnatal ontogenesis. p. 70.

Bronovyts'ka, Z. G., Gershanovich, Z
Enzymatic synthesis of glucosamine
during hyperoxia. p. 81.

Zhirkov, V. I. - Adenine nucleotides in
sex of the ram, boar, and stallion.

**IAkovlev, N. N., Krasnova, A. F. - Effe
lar activity on the interaction of thiol
myosin with adenosinetriphosphoric**

**Khalkina, D. I. - Glycogen fractions in v
sions of the central nervous system.**

**Makarevych-Hal'peryn, L. M. - Compar
of the effect of natural and synthetic
the glycogen content of organs. p. 1**

**Dvornikova, P. D., Pechenova, T. M.
some glycogenolytic enzymes in vari
of adult rabbits and embryos. p. 11**

**Matsuka, H. Kh. - Interrelation betwee
ases of the tricarboxylic acid oxidati
animal organism and the developme
like hyperglycemia. p. 130.**

**Huly, M. F., Dehtiar, R. H. - Isolatio
purification, the crystallization, and
ties of glucose oxidase from the fung
cillium vitale Pidopl. et Bilai. p. 13**

[illegible], O.P. - Nucleopeptides as possible general intermediate products in the biosynthesis of proteins and nucleic acids. p.146.
[illegible], O.P. - Fifth International Biochemical Congress. p.153.

Vol. [illegible], no. 1, 1963.
Table of contents translated:
[illegible], B.I., Herasymova, V.V. - Denaturation and [illegible] of deoxyribonucleic acid in the [illegible] and the animal organism. p.3.
[illegible], E.M., Lytvak, V.O. - Effect of vitamin A on [illegible] of pyridine nucleotides, pyruvic and lactic acids and anaerobic phosphorylation in animal tissues. p.13.
[illegible], IE.M., Hrymaliuk, H.I. - Effect of vitamin A [illegible] on oxidative phosphorylation in the [illegible] mitochondria of albino rats. p.23.
[illegible], O.M. - Carbohydrate-phosphorus metabolism [illegible] and muscle of adrenalectomized animals [illegible] treatment with cortisone and vitamins C and P. p.[illegible]
[illegible], V.A. - Study of enzyme systems phosphorylating creatine in the muscles. p.35.
[illegible], H.IA. - Effect of lithium chloride on various indices of nitrogen metabolism in skeletal muscle. p.43.
[illegible], S.M. - Dynamics of catecholamines in [illegible] tissues in different forms of experimental hypertension. p.49.
[illegible], V.P. - Function of the hypophysial-adrenal system in aged subjects. p.58.
[illegible], V.S. - Effect of prolonged administration of streptomycin and phthivazide on the thiamine content of rabbit tissue and its excretion in the urine. p.65.
[illegible], S.I., Kotsiuba, M.D. - Phosphorus compounds in the bovine mammary gland. p.72.
[illegible], V.A., Matsui, S.P. - Effect of sodium gallate on the nucleic acid content of the organs of healthy and irradiated rats. p.84.
[illegible], M.M. - Glucokinase activity in the skeletal muscles of chick embryos. p.92.
[illegible], M.M. - Effect of total ionizing irradiation on the plasmalogen content of the brain. p.99.
[illegible], T.V. - Fibrinogen fractions. p.104.
[illegible], V.I. - Sodium, potassium and water content of the blood serum and muscle tissue following adrenalectomy and subsequent hormone therapy. p.113.
[illegible], A.P., Bulats'kyi, M.P. - Extraction-dichromate micromethod for determining higher fatty acids. p.[illegible]
Ferdman, D.I. - Biochemistry of adenylic acids. p.[illegible]
D.L. Ferdman; on the 60th anniversary of his birth. p.152.
[illegible], I.D. - Biochemistry at the Eighth International Cancer Research Congress. p.156.

Vol. 35, no. 5, 1963.
Table of contents translated:
Chepynoha, O.P., Nad'ozhyna, S.P., Serba, R.M. - Nature of the composition and metabolism of some fractions of ribonucleic acids in the liver. p.643.
Sheresheva'ka, TS.M. - Effect of cortisone on the metabolism of RNA and nucleotides in the liver during ontogenesis. p.656.
Sheves, G.S. - Regulation of the hexokinase reaction of muscles. p.669.
Sereda, A.H. - On the interaction of glucose oxidase and the dehydrogenase of alpha-glycerophosphoric acid with tissue proteins and their hydrolysis products. p.677.
Fedorov, O.M., Palladin, A.V. - Distribution of pyrophosphatases in subcellular fractions of various segments of the nervous system of rabbits. p.690.
Kanchukh, A.A., and others. - Distribution of catalase in fractions of soluble plague microbe antigens. p.700.
Rogoznaia, A.V. - Ammonia-glutamic acid-glutamine system in the rat brain during development of extracerebral malignant neoplasms. p.709.
Trush, H.P. - Glutamine metabolism ensymes in the heart muscle. p.713.
Ostrovskii, IU.M., Nepochelovich, N.S. - Activity of tissue transaminases in convulsions produced by thiamine. p.728.
Babenko, H.O., Karpliuk, Z.V. - Effect of the removal of the pancreas on the manganese content of dog tissues and organs. p.732.
Terlets'ka, IA.T., Palladin, A.V., Pysarevych, O.V. - Effects of iprazid on the metabolism of the glutamine amide group and protein amido groups in the rabbit brain. p.737.
Hubenko, T.L., Smyrnova, V.I. - Improved rivanol-alcohol method for obtaining γ-globulin. p.747.
Dernovskaia-Zelentsova, G.L. - Use of Allen's correction in the determination of urinary 17-ketosteroids. p.754.
Malysheva, M.K. - Purification of cerebral adenosine deaminase. p.764.
Dovgreznyi, A.M., Chmyrev, A.V. - Use of phenolic deproteinization for isolating highly polymerized hyaluronic acid from umbilical cords. p.772.
Galaev, IU.V. - Amino acid decarboxylases in bacteria. p.776.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Instytut botaniky Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 20, no. 5, 1963.

Vol. 20, no. 5, 1963.
Table of contents translated:
Sud'ina, O.H., Holod, M.H. - Photochemical activity of chlorophyll and the durability of the chlorophyll-protein-lipoid complex. p. 3.
Bannikova, V.P. - Some methods of overcoming the inviability of remote wheat hybrids. p. 12.
Zaikovs'ka, N.E. - Cytoplasmic male sterility in sugar beets. p. 20.
Rybchenko, O.I. - Cytoembryological investigation of the development of the female gametophyte in the nightshade family. p. 33.
Radzymovs'kyi, D.O. - Finding the green alga Pithophora kewensis wittr(?) in the Ukraine. p. 44.
Shterenberg, P.M. - Causative agent of spotted necrosis of the grapevine in the Ukraine; Rhacodiella vitis. p. 48.
Roms, O.H. - Constancy of algae as a component of the thallus of certain lichens of the suborder Coniocarpineae. p. 57.
Ulychna, K.O. - Age of the gametophytes of the mosses Polytrichum commune Hedw. and Hylocomium splendens (Hedw.) Br. Eur. in the plant communities of the Cherno Mountains. p. 61.
Slobodian, M.P. - Notes on the natural occurrence of some species of vascular plants in the Chernigov Polesye. p. 68.
Berko, I.M. - Some ecologicobiological features of fireweed (Chamaenerium angusti-folium (L.) Scop.) at various altitudes above sea level in the Cherno Mountains. p. 76.
Korellakova, I.L. - Filling of floodplain bodies of water of the upper Dnieper with aquatic vegetation. p. 87.
Strel'chenko, T.I., Koval', I.V. - Deviations in the structure of barley flowers. p. 93.
Bech, T.D. - Anatomic structure of the pili of Phlomis pungens willd. p. 96.
Barbarych, A.I. - Panas Semenovych Rohovych; on the 150th anniversary of his birth. p. 99.
Bilokin', I.P., Bilokin', H.S. - Review of the periodical "Biologia" for 1960-1962. p. 105.

Vol. 21, no. 2, 1964.
Table of contents translated:
Some tasks of botany at the present stage. p. 3.
Sytnyk, K.M. - Role of nucleic acids in the phenomena of plant growth. p. 7.
Holyns'ka, IE.L. - Heterosis and the fertilization process in plants. p. 21.
Rybchenko, O.I. - Characteristics of cytoembryological processes in potatoes (Solanum tuberosum L.). p. 37.
Bilenko, K.P., Hrodzins'kyi, A.M., Parshykov, V.M. - Effect of light conditions on the motion of assimilates in corn. p. 47.
Khomits'kyi, B.P. - Effect of cultivation conditions on the pectin content in apples. p. 55.
Shchekina, N.O. - Data on the flora and vegetation of the Cimmerian age in the northern Azov region. p. 61.
Artiushenko, O.T., Kucheriava, L.F. - Stratigraphy and spore and pollen investigations of the Plav Bog deposits. p. 70.
Rubtsov, M.I. - Generic endemism of Central Asian flora. p. 78.
Dubovykh, O.M. - New plant species from the Donets forest steepe. p. 83.
Kondrat'ieva, N.V. - Occurrence of blue-green algae in the lakes of the Ukrainian S.S.R. p. 95.
Asaul, Z.I. - Euglenidae of some rivers of the forest-steppe part of the Ukraine. p. 104.
Kopachevs'ka, IE.H. - Research activities of the Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R. in 1963. p. 109.
Bilokin', I.P. - Third Congress of the All-Union Botanical Society. p. 117.

*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 56, no. 2(5), Sep.-Oct. 1963.
Table of contents translated:
Savchenko, O.N. - Current concept of the structure of estrogens and methods of their determination in the urine. p. 145.
Presman, A.S. - Problems of the mechanisms of the biological action of microwaves. p. 161.
Kuznik, B.I. - Role of erythrocytes in the blood coagulation process. p. 180.
Riabov, S.I. - Effect of estrogens on hematopoiesis. p. 197.
Giliarov, M.S., Semenova, L.M. - Evolution of the cuticle in Arthropoda. p. 208.
Zakharov, A.F. - Some problems of cultivation in connection with the development of the genetics of the somatic cells of mammals and man. p.2
Vlazov, O.E. - Primary immunological reactivity [illegible] its morphogenetic role. p.259.
Viazovskaia, R.D. - Inhibitory action of substances of plant origin on some endocrine functions. p.
Laguchev, S.S. - Physiological death of cells in body. p.274.
Shtina, E.A. - Nitrogen fixation in blue-green al[illegible] p.284.
Sviridov, N.K. - "Neuroendocrine regulation of [illegible] tion activity" by K. Lissak and E. Endroczi. p.

Vol. 56, no. 3(6), 1963.
Table of contents translated:
Bychkov, S.M. - Complexes of polysaccharide ac[illegible] with proteins. p.305.
Epshtein, IA.A. - Cellular polyelectrolytes and [illegible] tive potassium accumulation. p.323.
Rozenblat, V.V. - Dynamic biotelemetry. p.341.
Burnasheva, S.A., Fedorova, L.G., Liubimova, M. Structural organization and the principles of [illegible] ment of cilia and flagellums. p.365.
Trifonova, A.N. - Critical periods in the development of morphogenesis and their biological foundation p.381.
Nikitin, V.N. - Physiological and biochemical [illegible] of the age characteristics of the organism. p.4
Lomazova, Kh.D. - Liver and blood coagulation. p
Parnes, V.A. - Intracellular synthesis of leucosis [illegible] sarcoma viruses in birds. p.431.
Nikitenko, M.F. - Brain and the mechanisms of its evolution in vertebrates. p.443.
Merezhinskii, V.M. - "Biosynthesis of protein" by M.F. Gulyi. p.466.
Utevskii, A.M. - "Biochemistry" by D.L. Ferdman p.468.

Vol. 57, no. 1, Jan.-Feb. 1964.
Table of contents translated:
Strengthen the ties between chemistry and biological science. p. 3.
Georgiev, G.P. - Messenger ribonucleic acid in animal tissues. p. 11.
Gaitskhoki, V.S. - Energy metabolism of the cell nucleus. p. 30.
Chernikov, M.P., Evtikhina, Z.F. - Proteinases in animal tissues. p. 60.
Koval'skii, V.V., Letunova, S.V. - Effect of cobalt on micro-organisms and their adaptation to natural concentrations of cobalt in the environm[illegible] p. 71.
Grebinskii, S.O. - Effect of penetrating radiation on the growth and development of plants. p. 90.
Kefeli, V.I., Turetskaia, R.Kh. - Mechanism of the action of natural plant growth inhibitors. p. 99.
Skorobovichuk, N.F. - Neuromuscular transmission in the skeletal muscles of vertebrates. p. 115.
Plisetskaia, E.M. - Hormonal regulation of carbohydrate metabolism in Cyclostomi and fishes. p. 128.
Buntser, IA.M. - Endocrine system and reticular formation of the brain. p. 143.
Malyshev, S.I. - Formation of flowering plants in the light of the evolution of the behavior of wasplike ancestors of bees (Angiospermae, Vespiformia p. Lat.). p. 159.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 4 (29), 1963.
Table of contents translated:
Dialectical materialism as a methodological basis of biological science in fisheries. p. 585.
Nikol'skii, G.V. - Biological principles of mathematical modeling of fish population dynamics. p. 591.
Lukashov, V.N. - Total abundance of commercial fish stock and fishing selectivity based on data collected in the course of one year. p. 610.
Nadezhin, V.M. - Role of currents in the life of White Sea herring. p. 618.
Svetovidov, A.N., Dorofeeva, E.A. - Taxonomic relationship, origin and distribution of Eurasiatic and North American perce and pike perch of the genera Perca, Lucioperca and Stizostedion. p. 625.
Shatunovskii, M.I. - Fat dynamics and water content in the meat and gonads of the Baltic river flounder (Pleuronectes flesus Linne) and its relation to the characteristics of the maturation of the gonads. p. 652.
Meshcheriakova, A.I., Chernikov, Zh.A. - Oxygen consumption by the eggs of the Baikal whitefish Coregonus autumnalis migratorius Georgi in the process of embryonic development. p. 668.
Muntian, S.P. - Results of the natural reproduction of the pink salmon Oncorhynchus gorbuscha (Walb) on the Kola Peninsula. p. 676.
Makeeva, A.P., Soin, S.G. - Role of the middle and upper courses of the Amur River in the reproduction of commercial fishes of the pelagic zone; based on materials from the studies of the descent of the eggs. p. 688.
Chugunova, N.I., Kanevskaia, N.K. - Scale regeneration in Cyprinus carpio L. p. 698.

IAnulov, K. P. – Feeding habits of Sebastes mentella Travin in the waters of Newfoundland and Labrador. p. 708.
Alekseeva, K. D. – Role of vision in group behavior of some Black Sea fishes. p. 720.
Fedorov, A. F., Bulanov, N. I. – Natural radioactivity of main commercial fishes of the Barents Sea. p. 734.
Driagin, P. A., Pokrovskii, V. V., Tolegin, K. K. – In memory of Ivan Fedorovich Pravdin. p. 738.
Potapova, T. L. – Oogenesis and maturation of the roach Rutilus rutilus (L.) in Mozhaysk Reservoir during the first year of its existence. p. 743.
Bogdanov, G. A., Lapin, IU. E. – Methods for determining the fatness factor in fish. p. 748.
Enfutina, R. I. – Some data on the growth and structure of scales of the pink salmon Oncorhynchus gorbuscha (Walb). p. 751.
Makeeva, A. P. – Review of the journal "Ichthyologica" vol. I, nos. 1-2, 1962, India. p. 765.
Brief news and information. p. 767.
Table of contents of vol. 3. p. 769.

Vol. 4, no. 1(30), 1964.
Table of contents translated:
Greetings to Academician E. N. Pavlovskii. p. 3.
Iogansen, B. G. – E. N. Pavlovskii and Soviet ichthyology. p. 5.
IAkovlev, V. N. – History of the formation of the faunistic complexes of freshwater fishes. p. 10.
Menshutkin, V. V. – Study of fish population dynamics on the basis of a population conceived as a cybernetic system. p. 23.
Nikitenko, M. F. – Size and structure of the brain of some fishes as related to their way of life. p. 34.
Kazanskii, V. I. – Specific differences in the structure of gill rakers in Cyprinidae. p. 45.
Boiko, IU. K. – Taxonomic place of herring from Georges and [illegible] Banks. p. 61.
Borodulina, O. D. – Some data on the biology of the argentine Argentina silus (Ascanius). p. 69.
Sveridov, R. S. – Relationship between large and small horse mackerel of the Black Sea. p. 82.
Kozhin, N. I. – Theoretical and practical principles of artificial fish culture. p. 93.
Chepurnova, L. V. – Effect of the construction of the Dubossary Hydroelectric Power Plant on the reproduction of Vimba vimba n. carinata Pallas, Abramis brama (L.) and Rutilus rutilus heckeli Nordm. in the Dniester River. p. 97.
Vladimirov, V. I. – Critical periods of larval development and mortality in fishes. p. 104.
Ivlev, V. S. – Intensity of metabolism and the speed of movements of the larvae of some Black Sea fishes. p. 111.
Kozhov, M. M. – Food supply for pelagic commercial fishes of Lake Baikal. p. 125.
Bakshtanskii, E. L. – Effect of predatory fishes on the young pink salmon Oncorhynchus gorbuscha (Walb.) and the young chum salmon Oncorhynchus keta (Walb.) in the White and Barents Seas. p. 137.
Pechnikova, N. V. – Results of the acclimatization of the Aral sturgeon (Acipenser nudiventris Lov.) in Lake Balkhash. p. 142.
Gelun, A. M. – Survival of some Enterobacteriaceae in the gastrointestinal tract of fishes and its role in sanitary water control. p. 152.
Strelkov, IU. A., Shul'man, S. S. – Results of the Amur Ichthyoparasitological Expedition of 1957-1959. p. 162.
Luk'ianenko, V. I., Flerov, B. A. – Effect of the seasonal factor on the resistance of fishes to toxic materials. p. 178.
Pavlov, P. I. – Adaptive changes in the wild carp (Cyprinus carpio L.) of the Danube Valley. p. 184.
Fortunatova, K. R. – Food indices for fishes. p. 188.
Pusanov, I. I. – A "dethroned" endemic of the ichthyofauna of the Black Sea. p. 190.
Vismanis, K. O. – Biology of [illegible] Vismanis. p. 192.
Bauer, O. N. – Review of the book "A guide to the parasites of freshwater fishes of the U.S.S.R." p. 194.
Brief news and information. p. 196.

Vol. 4, no. 2(31), 1964.
Table of contents translated:
Karzinkin, G. S. – Role of chemicals in fisheries. p. 201.
Moiseev, P. A. – Some data on the development and the present state of world fisheries. p. 211.
Dement'eva, T. F. – Ichthyological sampling for evaluation of fish population dynamics. p. 226.
Lapin, IU. E. – Characteristics of the population dynamics of the Pacific pink salmon Oncorhynchus gorbuscha (Walbaum). p. 233.
Saldav, IU. S., Aslanova, N. A., Chelyi, A. N. – Sturgeons in the Samur River. p. 242.
Sterligova, M. A. – Biology and breeding of the Bauntovskiy lavaret Coregonus lavaretus pidschian (Gmelin). p. 249.
Konstantinov, K. G. – Effect of water temperature on the fish stock for trawling in the Barents Sea. p. 255.

Krykhtin, M. L. – Tagging fall chum salmon Oncorhynchus keta inf. autumnalis Berg. and pink salmon Oncorhynchus gorbuscha (Walb.) in the basin of the Amur River. p. 270.
Tiepkin, E. A. – Ancient commercial fishes in the Amu Darya River. p. 280.
Kanid'ev, A. N. – Spawning conditions and development of eggs of Oncorhynchus masu (Brevoort). p. 289.
Zhukinskii, V. N., Il'iachuk, I. E. – Relationship between biometric indices of ovulated eggs and some biological indices of female roach and rudd. p. 293.
Alekseeva, L. V. – Maturation and resorption of ova in Vimba vimba natio carinata (Pallas). p. 304.
IUrovitskii, IU. G. – Morphological characteristics of the embryo of Acipenser güldenstädti Brandt under different oxygen supply conditions. p. 316.
Belyi, S. D. – Substrata for spawning of Rutilus rutilus heckeli (Nordmann) and the development of eggs on them. p. 320.
Podgornyi, M. I., [illegible], O. I. – Pneumatic egg counter and projection microscope for measuring eggs. p. 330.
Petrenko, I. A. – Comparative characteristics of the growth of wild and hatchery-reared young salmon (Salmo salar L.) in a river. p. 342.
Babkov, D. V. – Behavior of some Azov fishes in a trawl. p. 346.
[illegible], T. I. – Feeding habits of codfish (Gadus morhua marisalbi Derj.) in the western part of the White Sea (Velikaya Salma). p. 354.
[illegible], M. D. – Feeding habits of commercial fishes in the Dnieper-Bug Liman as related to the location of food objects. p. 365.
Abdurakhmanov, IU. A., Chugunova, N. I. – In memory of Aleksandr Nikolaevich Derzhavin. p. 372.
[illegible], L. A. – Ichthyofauna of the Volonga River of Arkhangel'sk Province. p. 382.
[illegible], A. A. – Occurrence of pike and some other freshwater fishes from the Anadyr' zoogeographical area in Kamchatka waters. p. 385.
[illegible], A. M. – Characteristics of the course of spawning of the Danube herring Caspialosa pontica (Eichwald) in 1961. p. 387.
Pinchuk, V. I. – [illegible] ratan (Nordm.) of the Dniester Liman and [illegible] syrman (Nordm.) of the Dniester Liman. p. 390.
[illegible], A. I. – Spawning of [illegible] in the Volga Delta. p. 392.
[illegible], G. D. – Review of V. I. Vladimirov, [illegible] and L. S. [illegible] "Reproduction of fishes in a regulated river". p. 394.
Brief news and information. p. 396.

VOPROSY PITANIIA [PROBLEMS OF NUTRITION]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 21, no. 5, Sep.-Oct. 1962.
Table of contents translated:
[illegible], F. D., [illegible], L. A. – Therapeutic diet in chronic colitis [illegible]. p. 3.
[illegible], V. A. – Effect of diet and food loads (proteins, fats, and carbohydrates) on cardiac activity in patients with coronary sclerosis in combination with hypertension [illegible]. p. 9.
[illegible] – Effect of diets with varying quantities of protein in the course of chronic hepatitis. p. 15.
[illegible], M. F. – Relationship between the active acidity (pH) of gastric content and the type of food. p. 20.
[illegible], S. N., [illegible], A. IA., Lagina, S. A. – Interrelations between vitamins C and P. p. 26
[illegible], E. M., [illegible], S. A. – Excretion of vitamins in children from 3 to 7 years of age. p. 31.
[illegible], A. A. – Effect of [illegible] on the level of some blood lipids. p. 37
[illegible], L. F. – Effect of table salt on the higher nervous activity in healthy dogs. p. 42.
Kudinova, L. I. – Effect of different quantities of manganese in the food of white rats on the growth and development of bones. p. 47
[illegible], B. L. – Activity of enzymes in the rat liver in cancerogenesis induced by dimethylaminoazobenzene and following administration of the food dye [illegible]. p. 53.
[illegible], E. P., and others. – Toxicity for animals of the cancerous potato. p. 58.
[illegible], P. V., [illegible], M. N. – Amino acid composition of milk received at the Moscow Dairy Combine. p. 66.
[illegible], B. B. – Physiological and hygienic evaluation of a food ration developed by the Central Scientific Research Institute of the Canned Food and Vegetable Industry. p. 71.
[illegible], N. N., and others. – Food value of unicellular algae; a survey. p. 76.

Krylov, A. A. – Diet in repeated exami feces for occult blood in peptic ulce
Marenkin, I. A. – Food poisoning caus p. 83.
Smorodina, V. S. – Content of riboflavi ucts of Tajikistan. p. 84.
Ripak, E. N. – Content of cobalt in the distributed food products of Dnepro ince. p. 85.
Vorob'eva, A. I. – Content of copper an products of Tomsk Province. p. 86.
Startsev, I. A. – Flavoring food with es of spicy plants. p. 87.
Rotte, E. IA. – Review of a practical m ic therapy. p. 89.
Kandror, I. S. – Review of an article by K. Rodahl "Caloric value of food requ under conditions prevailing in Antarc English]. p. 90.
Saratovskii, V. G., Balabov, L. K. – F conference on therapeutic and prophy tion. p. 92.

Vol. 21, no. 6, Nov.-Dec. 1962.
Table of contents translat
Pronikov, K. M. – Effect of protein and drate food test samples on glycemia i mellitus. p. 3.
Markova, G. F. – Reflex action of food on cular system after a total gastrectomy
Karpyakova, V. H., Chudnovskii, G. S. – diet with low sodium content on the dy body weight and urinary excretion of s chlorine in patients with circulatory i p. 17.
Nikitin, IU. P. – Effect of vitamin K on th blood coagulability in patients with ath p. 22.
Nesterin, M. F. – State of the secretory f the intestine in dogs in experimental r sickness after administration of differ p. 27.
Kukes, V. G., Vlasova, M. N. – Content o in the blood serum and in the diurnal u of the aboriginal population of the Far
Dobrotvorova, N. P. – Energy expenditur mon fishermen in the Far North. p. 3
Bogdanov, G. I. and others. – Energy exp fishery workers on trawlers fishing in Sea and North Atlantic. p. 40.
Borisova, A. P. – Energy expenditures of farm workers. p. 43.
Halla, F., Kinel, M. – Role of new techn food recipes in planning for vitamin C the population. p. 46.
[illegible], Z. Zh. – Effect of manganese on the requirement in animals. p. 49
Matsko, S. N., and others. – Criteria for requirements; observations on children
Kopylova, Z. A. – Effect of vitamin C supp the level of ascorbic acid in the milk of puerperants in Archangel. p. 56.
Popov, V. A., Osetrov, G. G. – Content of in the blood of healthy subjects and patients in the Arctic. p. 60.
Lapina, A. A. – Simplified biological meth determining vitamin D. p. 62.
Isaeva, V. IA., Evstaf'evskaia, K. K., M. A. – Separate determination of phosphorus fractions with their joint in food products of plant origin. p. 64.
Lavrov, B. A. – Orotic acid and its relatio vitamins. p. 69.
Sal'nada, I. N., Severinov, I. S. – Seasonal in the content of ascorbic acid in potatoe Crimean Province. p. 74.
Korobkov, I. I. – Vitamin C activity in can currants and jams from fruits and berri vitamin C. p. 79.
Zamarin, L. G., Los', I. I., Platnitskaia, I Content of copper, manganese, molybden iodine in cow's milk of Saratov Province
Los', I. I., Platnitskaia, I. K. – Content o manganese, molybdenum, nickel and lea food products of plant origin in Saratov P p. 82.
Subject index of Vol. 21 of the journal "Vopr pitaniia" for 1962. p. 89.
Author index of articles published in Vol. 21 journal "Voprosy pitaniia" for 1962. p. 9
Aksel'rod, F. M. – Determination of free hy acid in the presence of organic acids and p. 94

VSESOIUZNOE BOTANICHESKOE OBSHCHESTV Belorusskoe otdelenie. Botanika; issledovan [ALL-UNION BOTANICAL SOCIETY. White Branch. Botany; Research Papers]. Minsk, 1963.
Table of contents translated:
Foreword. p. 3.
Berezenko, N. M. – Penetration of meadow g grasses under the canopy of an oak forest

Goncharik, M.N., Rusetskaia, L.P., Marshakova, M.I. - Daily variation of carbohydrates in leaves and stalks of potato plants. p.8.
Grigor'ev, V.P. - Effect of the presowing treatment of seeds with microelements on the growth and reproductive capacity of perennial lupine. p.15.
Dvoinishnikova, E.I. - Lowland peat as a source of nitrogen, its mineralization in the soil and under the conditions of prolonged aeration. p.22.
Zhebrak, A.R., Nikol'skii, IU.K. - Behavior of amphidiploid wheat after late fall sowing. p.31.
Ipat'ev, A.N., and others. - Varieties of Antonovka apple trees in Mogilev and Gomel' Provinces. p.44.
Latypov, A.Z. - Variation of the winter wheat forms caused by sowing physiologically immature seeds. p.49.
Liubchenko, V.M. - Role of the embryo in the dormant period of seeds of Tilia cordata Mill. and Evonymus europea L. p.55.
Mashtakov, S.M., Slizhov, V.I. - Effect of some herbicides on the yield and starchiness of potatoes. p.63.
Merlo, A.S. - Introduction of ornamental perennials flowering in the spring. p.70.
Mironenko, A.IA., Gurinovich, E.S. - Effect of the intermediate culture of lupine and plowing under on the microflora of pine forest and cranberry soils. p.77.
Moiseenko, F.P. - Growth and marketability of dense spruce stands. p.85.
Petrovskii, P.IA. - Types and associations of aspen forests in the northeastern part of the White Russian S.S.R. p.94.
Protasevich, R.T. - Characteristics of the anatomic structure of some species of the genus Calamagrostis Adans. p.102.
San'ko, P.M. - Pine-shrub-sphagnum formation in Polesye. p.113.
Kharitonovich, F.N. - Productivity of trees in an even-aged pine stand. p.120.
Shkutko, N.V. - Effect of ecologic conditions on the properties of acorns. p.127.
IUshkevich, I.A. - Characteristics of the development of pine root systems in fluvioglacial sand soils. p.135.
Azniev, IU.N. - Quality of common pine seeds in uneven-aged stands. p.146.
Antipov, V.G. - Effect of specific industrial gases on the growth of some woody plants. p.150.
Baranova, M.E. - Measures for improving natural pastures and meadows of the "Orsha" Collective Farm in Orsha District. p.154.
Brysov, N.S. - Age and time of transplantation of cucumber seedlings outdoors. p.164.
Vasilevskaia, L.S. - Variation of the morphological characters of cones and seeds of the common pine. p.167.
Vasil'eva, K.A. - Presowing soaking of seeds of vetch-oat-pea mixture in an ammonium molybdate solution. p.170.
Guniazhenko, I.V. - Effect of some climatic factors on the accretion of common pine. p.173.
Zimenko, T.G., Kabailova, I.V. - Effect of the application of herbicides in soil on the change in the qualitative composition of fungi of the genus Penicillium. p.177.
Zinov'eva, A.D. - Anatomical changes in the stalk of chevil. p.179.
Kaurov, I.A., Vakula, V.S. - Effect of gibberellic acid on the dynamics of pollen germination of woody plants. p.181.
Kedrov-Zikhman, O.O. - Vegetative reproduction of the Japanese cherry. p.184.
Korzun, V.I. - Morphological characteristics of the Kuprilanov rye. p.187.
Kubarev, P.I. - Additional artificial pollination of self-pollinators. p.192.
Kurbatov, I.M., Leusheva, M.I. - Effect of peat application on the biological activity of turf-Podzolic soils. p.195.
Latypova, R.M. - Change in the activity of some enzymes of soil as related to its moisture. p.199.
Razumovich, M.B., Polianskov, V.I. - Interrelations between corn and pod-bearing plants grown together. p.204.
Rakhteenko, I.N., Kochanovskii, S.B., Krot, L.A. - Effect of soil moisture balance on the growth and condition of woody plants. p.205.
Chekalinskaia, N.I. - Diseases of fodder beans. p.210.
Shingarev, M.S. - Use of microelements and growth promoting substances in pine nurseries. p.216.
IAkushko, A.D. - Fungous diseases of larch stands in White Russia. p.218.
Activity of the White Russian Branch of the All-Union Botanical Society in 1961-1962. p.224.
Members of the Council, Presidium and the Control Commission of the White Russian Branch of the All-Union Botanical Society. p.231.
Ivanova, E.V., Klimovitskaia, G.A. - Seed exchange activities of the Central Botanical Garden of the Academy of Sciences of the White Russian S.S.R. p.233.
Kozlovskaia, N.V. - Herbarium of the Institute of Biology of the Academy of Sciences of the White Russian S.S.R. p.236.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.43, no.3, 1964.

Table of contents translated:
To Evgenii Nikanorovich Pavlovskii. p.321.
Naumov, N.P. - Microstructure and stability of natural disease foci. p.322.
Petrishcheva, P.A. - Effect of economic activity on the natural foci of some communicable diseases. p.334.
Tumka, A.F. - Parasitocenoses as one of the most important problems of parasitology developed by Academician E.N. Pavlovskii and his school. p.346.
Olsuf'ev, N.G. - Paleogenesis of the natural foci of tularemia. p.355.
Zasukhin, D.N. - Parasites and parasitocenoses in laboratory animals and the parasitological diagnosis of toxoplasmosis. p.371.
Lindberg, G.U. - Zoogeography of dry land and fluctuations of the ocean level. p.386.
Nikol'skii, G.V. - Methods for increasing the productivity of the biosphere as exemplified by the populations of commercial aquatic organisms. p.398.
Raikova, E.V. - Unicellular parasitic stages of the life cycle of Polypodium hydriforme Ussov (Coelenterata). p.409.
Dubinina, M.N. - Geographical forms of tapeworms of the genus Triaenophorus Rud. (Pseudophyllidea). p.412.
Balashov, IU.S. - Amount of blood ingested by ixodid ticks (Acarina, Ixodidae) during feeding. p.418.
Skrynnik, A.N. - Observations on Ornithodorus ticks belonging to the "erraticus group." p.424.
Gutsevich, A.V. - Insects as vectors of human and animal viruses. p.429.
Giliarov, M.S. - Basic trends in the adaptation of insects to life in a desert. p.443.
Monchadskii, A.S. - Role of the larvae of Chaoborinae (Diptera, Culicidae) in the extermination of blood-sucking mosquitoes. p.455.
Shtakel'berg, A.A. - Materials on identifying palaearctic Syrphidae (Diptera). p.467.
Breev, K.A., Diadechko, V.N. - Artificial infestation of cattle with the eggs of the warble fly Hypoderma bovis DeGeer). p.474.

ZHURNAL OBSHCHEI BIOLOGII [JOURNAL OF GENERAL BIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.24, no.2, Mar.-Apr. 1963.

Table of contents translated:
Goldovskii, A.M. - Anabiosis and the general problem of life. p.81.
Manuilova, N.A., Popov, V.V., Timoshuk, N.B. - Effect of intermittent light on the dimensions of the eye and optic brain lobe in chick embryos. p.98.
Ginzburg, A.S. - Union of gametes without activation of the ovum in salmon. p.106.
IUrchenko, V.T. - Interfetal connections in embryogenesis in Karakul sheep. p.120.
Tumanishvili, G.D., Tabidze, D.D. - Study of the growth of the regenerating liver in frogs in stimulation with tissue extracts. p.129.
Borzhkovskii, S.E. - Difference in the fat content and non-fatty residue and their correlation in cow's milk. p.140.
Gavrilov, K.I. - Earthworms, producents of biologically active substances. p.149.
Prezent, I.I. - Results of a 15-year-old discussion. p.155.

Vol.24, no.4, July-Aug. 1963.
Table of contents translated:
Studitskii, A.N. - Controversial questions in modern concepts of regeneration. p.241.
Nuzhdin, N.I., Dozortseva, R.L., Samokhvalova, N.S. - Effect of cysteine on cytological damage caused by Co^{60} gamma rays and protons in barley seed irradiation. p.261.
Lazanyi, A., Marki, A., Sebök, K.M. - Influence of graftings on the variability of seed generations of some cultivated plants. p.276.
Koniukhov, B.V., Sazhina, M.V. - Development of the eye in mice with a mutant strain of microphthalmia. p.286.
Bajer, A., Mole-Bajer, J. - Microcinematographic observations on the course of mitosis in endosperm. p.296.
Svetlov, P.G., Korsakova, G.F. - Effect of larval metabolism on the manifestations of the hereditary characteristics in the Drosophila melanogaster phenotype. p.311.

Vol.24, no.6, Nov.-Dec. 1963.
Table of contents translated:
Lomakina, L.IA. - Study of mitotic cycles on synchronously dividing cells. p.393.
Prokof'eva-Bel'govskaia, A., and others. - Inv
tigation of human chromosomes in chronic
myeloid leukemia and acute hemocytoblastos
p.403.
Kirshenblat, IA.D. - Telergones, substances
secreted by animals into their environment a
serving to influence other organisms. p.415
Balakhnin, IA., Potapov, M.I. - Study of group
differentiation of erythrocytes in the roach
(Rutilus rutilus L.) by means of plant hemag-
glutinins. p.428.
Chudinovskaia, G.A., Kitaeva, O.N. - Cytologi
analysis of the radiosensitivity of similar tis
in various mammalian species. p.435.
Korotkova, G.P. - Relation between the restora
processes in sponges and the nature and leve
of their integration. p.445.
Gintsburg, G.I. - Some data on the cytochemica
and radioautographic study of ovogenesis. p.
Information. p.461.
Table of contents of vol.24. p.462.

Vol.25, no.1, Jan.-Feb. 1964.
Table of contents translated:
Kudriashov, IU.B., and others. - Natural radio
metics and its action on various biological ob
and systems. p.3.
Ioganzen, B.G. - A few remarks on the problem
systematic development of theoretical biology
p.18.
Fofanova, K.A. - Morphological data on polyspe
ovulation in hens. p.22.
Brodskii, V.IA. - Somatic polyploidy as a form
the physiological regeneration of structural u
of the organs in the individual development of
vertebrates. p.39.
Smitten, N.A. - Synthesis of mediators of the
sympathetic nervous system and the formatio
pigments in the ontogeny of vertebrates. p.5
Luk'ianenko, V.I., Mlesorova, E.K. - Normal
hemagglutinins and hemolysins of fish blood.
p.62.
Petrov, G.N., Korolev, V.A. - Denudation phen
non in the fertilization of some mammalian an
human oocytes. p.68.
Stefanov, S.B., Graf, I.A. - Electron microsco
characteristics of budding in the particles of
influenza virus. p.75.
Giliarov, M.S., Makhotin, A.A. - In memory of
Ivan Ivanovich Shmal'gauzen, 1884-1963. p.7

Vol.25, no.2, Mar.-Apr. 1964.
Table of contents translated:
Put into practice the resolutions of the Plenum o
the Central Committee of the Communist Part
of the Soviet Union. p.81.
Petinov, N.S. - Biological background of the
higher productivity of plants in irrigation farm
p.87.
TSypkin, L.B. - Fibrillar structures in monolay
tripsinized tissue cultures in vitro. p.108.
Burovina, I.V., and others. - Alkaline elements
in the evolution of marine organisms. p.115.
Stefanov, S.B. - Development of round and elong
bodies under common membrane in the cultur
of morbilliform monkey virus. p.124.
Natochin, IU.V., Magazanik, L.G. - Activity of
respiratory enzymes in the muscular fibers of
invertebrates and vertebrates. p.128.
Rol'nik, V.V., Portenko, E.L. - Gas exchange i
a developing chick embryo. p.133.
Kurnishkov, I.S. - Comparative study of radiosensitivity of genetically different lines of anim
and their hybrids. p.141.
Kabakov, E.N. - Characteristics of the dark reactivation of yeast cells exposed to ultraviolet
rays. p.146.
Miuge, S.G. - Evolution of the exoenzymatic func
tion in plant helminths. p.153.

d. CHEMISTRY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut
prikladnoi khimii i elektrokhimii. Trudy [ACADEM
OF SCIENCES OF THE GEORGIAN S.S.R. Institut
of Applied Chemistry and Electrochemistry. Tran
actions]. Tiflis, vol.4, 1963.

Table of contents translated:
Dzhaparidze, L.N., Lagidze, N.I. - Effect of som
ion-exchanging compounds on manganese dioxid
electrode efficiency. p.3.
Dzhaparidze, L.N., Otiashvili, D.G. - Electrochemical properties of MnFe and MnSi electrod
p.9.
Chagunava, V.T., Dzneladze, E.R. - Manganese
method for the removal of sulfur from sulfur-bearing crudes. p.23.
Ungiadze, E.M. - Preparation of manganese dioxi
by the electrolysis of an aqueous solution of
manganese sulfate at high temperature. p.29.
Mamporiia, G.Sh. - Nitration of manganese-iron
alloys. p.37.

Gaprindashvili, V. N., Kurdevanidze, M. K., Gvinepadze, D. S. - Fractional separation of hydroxides of some metals from solutions obtained in the acid leaching of local serpentinites. p. 45.

Kakabadze, V. M., Nikolaishvili, Z. G., Mshvenieradze, N. G. - Production of magnesium oxide by carbonization of an aqueous suspension of sepentinite. p. 53.

Purtseladze, Kh. G., Chkoniia, T. K. - Production of potassium manganate from manganous hydroxide. p. 59.

Chirakadze, G. G., Nanobashvili, E. M. - Photochemical oxidation of mercaptans. p. 69.

Bakhtadze, I. G., Nanobashvili, E. M. - Ultraviolet radiation effect on iron hydroxide sols in the presence of gelatin. p. 75.

Gegele, V. G., Litsinova, L. A. - Effect of mineral additions on Tkibuli coal pyrolysis. p. 81.

Dzhaparidze, P. N., Dzhidzheishvili, N. Sh. - Heat balance of the process of continuous coking of Tkibuli coals. p. 91.

Purtseladze, Kh. G., Chachanidze, I. P. - Some physicochemical properties of carbonate slimes. p. 113.

Kakabadze, V. M., Chkhubianishvili, M. G., Volkov, A. D. - Preparation of sulfur dioxide by the thermal decomposition of natural calcium sulfate. p. 121.

Chachanidze, I. P. - Use of carbonate slims in the manufacture of oil paints. p. 131.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia khimicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Chemical Series]. Moscow, no. 4, Apr. 1964.

Table of contents translated:

Ragimov, A. V., Liogon'kii, B. I., Berlin, A. A. - Redox potentials and electron- and ion-exchange properties of some polyarylene quinones. p. 593.

Avramenko, L. I., Krasnen'kov, V. M. - Reactions of nitrogen atoms. Report No. 2: Rate constant and the mechanism of the elementary reaction of nitrogen atoms with ethylene. p. 600.

Rubinshtein, A. M., Dulov, A. A., Pribytkova, N. A. - Effect of K_2O on the activity, selectivity, and electrical properties of alumina-chromia catalysts. p. 604.

Nesmeianov, A. N., and others. - Infrared spectra of diphenylhalo onium and triphenyl oxonium salts in the region 400-750 cm^{-1}. p. 613.

Kharitonov, IU. IA., Molodkin, A. K., Babaeva, A. V. - Infrared absorption spectra of thorium (IV) complexes with thiocyanate groups. p. 618.

Ioffe, S. L., Tartakovskii, V. A., Novikov, S. S. - Mechanism of the reduction of carbonyl-containing compounds with diborane solution in tetrahydrofuran. p. 622.

Sheludiakov, V. D., Shchegoleva, T. A., Mikhailov, B. M. - Organoboron compounds. Report No. 120: Reactions of trimers of alkyl mercaptoboranes with primary amines. p. 632.

Talalaeva, T. V., and others. - Synthesis and structure of soluble lithium alcoholates. p. 638.

Knuniants, I. L., Lin'kova, M. G., Kuleshova, N. D. - Preparation and properties of some β-thiolactones. p. 644.

Andrianov, K. A., Kuznetsova, I. K. - Synthesis of some titanium phosphorus organic compounds. p. 651.

Arbuzov, B. A., Zoroastrova, V. M., Ibragimova, N. D. - Esters of phosphoric acid containing a cyano group. p. 656.

Arbuzov, B. A., Zoroastrova, V. M., Sagitova, R. Kh. - Esters of phosphoric and phosphorothioic acids containing heterocyclic radicals. Report No. 6: Interaction of phosphoryl and thiophosphoryl chlorides with benzimidazole and morpholine. p. 661.

Kochetkov, N. K., Dmitriev, B. A. - Monosaccharides. Report No. 7: New synthetic path to higher sugars. p. 669.

Derevitskaia, V. A., Molodtsov, N. V., Kochetkov, N. K. - Glycopeptides. Report No. 8: Synthesis of N-galacturonoylglycine. p. 677.

Khomutov, R. M., Karpeiskii, M. IA., Severin, E. S. - Derivatives of hydroxylamine. Report No. 6: Synthesis and some reactions of β-aminohydroxyalanine. p. 680.

Shchukina, L. A., and others. - Depsipeptide analogs of biologically active peptides. Report No. 1: Synthesis of depsipeptide analogs of ophthalmic acid and glutathione. p. 685.

Kuznetsov, N. V., and others. - Synthesis of glyoxal and glycolic acid. p. 692.

Shostakovskii, M. F., Vlasov, V. M., Vasil'eva, A. A. - Problem of the preparation of acetylenic γ-glycols and some of their transformations. Report No. 1: Synthesis of γ-glycols on the basis of 1-butyn-3-ol. p. 696.

Mamedov, R. M., Fedorov, B. P. - Synthesis and transformations of some derivatives of 2-(mercaptomethyl) benzimidazole. p. 698.

Berlin, A. A., Liogon'kii, B. I., Parini, V. P. - Polymers with a conjugation system. Report No. 56: Synthesis and study of the properties of a polymer based on bisnitrosoacetylbenzidine. p. 705.

Shamakhmudova, S., Bogdanova, A. V., Shostakovskii, M. F. - New polymers of vinyl ethers. Report No. 4: Stereospecific copolymerization of vinyl ethers with methyl acrylate and methyl methacrylate at room temperature. p. 709.

Korshak, V. V., Mozgova, K. K., Babchinitser, T. M. - Preparation of graft copolymers. Report No. 17: Copolymers of polytrifluorochloroethylene and vinyl monomers. p. 716.

Milovskaia, E. B., Zhuravleva, T. G., Dolgopol'skaia, P. I. - Peroxy derivatives of organoaluminum compounds as initiators of radical polymerization. Report No. 1: System organoaluminum compound - oxygen or isopropylbenzene hydroperoxide. p. 720.

Eidus, IA. T., Nefedov, B. K., Lobzova, A. V. - Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No. 37: Alkylation of cycloolefins and benzene by means of a mixture of carbon monoxide and hydrogen in the presence of a cobalt-thorium catalyst. p. 726.

Makhsumov, A. G., Sladkov, A. M., Korshak, V. V. - Oxidizing polyhydrocondensation of dipropargyl esters containing silicon, phosphorus, and fluorine. p. 733.

Etlis, V. S., Sinecokov, A. P., Razuvaev, G. A. - Interaction of ethylene oxide with methyl isothiocyanate. p. 737.

Tokareva, S. A., Dobroliubova, M. S. - Ozonization of sodium hydroxide within the temperature range of 100 to 50°C. p. 739.

Tokareva, S. A., Pilipenko, G. P. - Thermal decomposition of sodium ozonide. p. 740.

Garif'ianov, N. S., Fedotov, V. N., Kucheriavenko, N. S. - Electron paramagnetic resonance and nuclear spin echo in oxyfluoride solutions of pentavalent molybdenum. p. 743.

Shuikin, N. I., and others. - Synthesis and isomerization of 2-n-propyl-5-phenyltetrahydrofuran. p. 746.

Shuikin, N. I., and others. - Isomerization of tetrahydropyrans. p. 747.

Shuikin, N. I., and others. - Synthesis of γ-diketones by conjugated hydrogenolysis. p. 750.

Greshnykh, K. P., Diatlovitskaia, E. V., Bergel'son, L. D. - Fatty acids of soil yeasts. p. 752.

Kaz'mina, N. B., Kil'disheva, O. V., Knuniants, I. L. - Acylation of serine, cystine, and cystamine with p-di(2-chloroethyl) aminophenylalkanic acid chlorides. p. 755.

Kikot', B. S., Kazitsyna, L. A., Reutov, O. A. - Constitution of o- and p-hydroxyphenyl diazonium cations containing SO_3H- and COOH groups. p. 756.

Kazanskii, K. S., and others. - Polymerization of ethylene oxide on strontium carbonate and the effect of water adsorption on catalytic activity. p. 759.

Derevitskaia, V. A., Kikot', G. S., Kochetkov, N. K. - Methylation of the blood group substance A. p. 761.

Nesmeianov, A. N., Anisimov, K. N., Valueva, Z. P. - Phosphorylation of cyclopentadienylmanganese tricarbonyl. p. 763.

Belostotskaia, I. S., Ershov, V. V. - Synthesis of 4-aminoalkyl-2, 6-di-tert-butylphenols. p. 765.

Mironov, V. F., Kravchenko, A. L. - Cleavage of silicon-containing organoaluminum compounds by aluminum bromide. p. 768.

Zakharkin, L. I., Stanko, V. I., Klimova, A. I. - Halogenation of "baren" and phenyl "baren." p. 771.

Zakharkin, L. I., Chapovskii, IU. A. - Cleavage of C-C bonds in the derivatives of "barencarboxylic acids." p. 772.

Nesmeianov, Nik. A., Novikov, V. M., Reutov, O. A. - Addition of mercuric chloride to the Wittig reagents and the synthesis of mercury-containing phosphorylide. p. 772.

Nefedov, O. M., Kolesnikov, S. P. - Formation and telomerization of germanium carbenoids. p. 773.

Shkrob, A. M., and others. - Enolization of N-acylamides. p. 774.

Moiseev, I. I., Vargaftik, M. N., Syrkin, IA. K. - New π-allyl complex of palladium. p. 775.

Moiseev, I. I., Vargaftik, M. N., Syrkin, IA. K. - π-Complex of palladium with triphenylcyclopropenyl. p. 775.

Khidekel', M. L., and others. - 2, 4, 6-tris (trimethylsilyl)-1-phenoxyl, a monomer radical relatively resistant to oxygen. p. 776.

General Assembly of the Division of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. p. 777.

AZERBAIDZHANSKII KHIMICHESKII ZHURNAL [AZERBAIJAN CHEMICAL JOURNAL]. Issued by Akademiia nauk Azerbaidzhanskoi SSR [Academy of Sciences of the Azerbaijan S.S.R.]. Baku, no. 1(31), 1964.

Table of contents translated:

Accelerated development of the chemical industry is the most important condition for the rise of agricultural production and improvement in the nation's welfare. p. 3.

Kuliev, A. M., Mamedova, R. K., Sady
Interaction of phosphorus pentasulfi
unsaturated hydrocarbons. p. 17.

Ashumov, G. G., and others. - Hydroc
sition of gasoline fractions obtained
waxy crudes (Puta, Supra-Kirmaki
p. 23.

Mekhtiev, S. D., Narimanbekov, O. A.
of the vapor phase reduction of allyl
to n-propyl alcohol. p. 31.

Nagiev, M. F., Karamzin, P. V., Zait
Theory of reactors operating with th
system (on temperature gradient).

Ashimov, M. A., and others. - Compos
structure of alkyl aromatic hydrocar
in the course of the production of az
p. 111.

Zul'fugarov, Z. G., and others. - Activ
strontium silicate catalysts in the re
copolymerization of ethylene with α-
p. 117.

Efendiev, G. Kh., Karaev, Z. Sh., Nasib
Interaction of samarium and gallium
$A^{III}_2 B^{VI}_3$. p. 126.

Rustamov, P. G., Babaeva, B. K., Safar
Interaction in the system gallium sele
telluride ($A^{III} B^{VI}$ -type). p. 133.

Bibliography. p. 139.

Petrova, Z. G., and others. - Study of t
in the process of copolymerization of
zones with styrene using azolyat as a
agent. p. 37.

Kuliev, A. M., Musaeva, N. F., Mamed
Condensation of alkyl phenols with for
secondary amines. p. 43.

Pishnamazzade, B. F. - Formulas for c
quantity of theoretically possible isom
monosubstituted alcohols. p. 49.

Sadykhzade, S. I., Sultanov, R., Khalilo
Addition of silicon hydrides to β-prop
propionitrile. p. 57.

Kulibekov, M. R. - Exchange reaction of
ethylalkyl acetals with organomagnesi
pounds. p. 63.

Gurevich, V. R., Dalin, M. A., Arutiuno

Polymerization of ethylene on a chrom
catalyst. p. 69.

Mekhtiev, S. D., and others. - Preparati
phthalimide by oxidizing ammonolysis
in a fluid catalyst bed. p. 77.

Mamedov, Shamkhal, and others. - Alky
α-chloromethylalkyl ethers with metha
chloride. p. 81.

Zeinalov, B. K., Aliev, R. M. - Synthesis
(plasticizers) based on cyclohexanol an
acids. p. 89.

Guseinov, M. M., Dzhabarzade, Sh. A.,
Kh. D. - Preparation of tetrachlorophth
anhydride. p. 95.

Khalilova, E. M., Sultanov, R., Sadykhza
Synthesis of silicon-containing unsatur
p. 97.

KHIMIIA V SHKOLE [CHEMISTRY IN SCHOO
by Ministerstvo prosveshcheniia RSFSR [
Education of the R.S.F.S.R.]. Moscow,
no. 3, May-June 1964.

METODY ANALIZA KHIMICHESKIKH REA
PREPARATOV [METHODS FOR THE ANA
CHEMICAL REAGENTS AND PREPARAT
Issued by Gosudarstvennyi komitet Soveta
SSSR po khimii [State Committee of the C
Ministers of the U.S.S.R. for Chemistry]
no. 4, 1962. Liuminestsentnye metody opr
mikrokolichestv elementov [Luminescent
determining the microquantities of elemen

Table of contents translated:

Foreword. p. 5.

Bozhevol'nov, E. A. - Luminescence and
regularities. p. 7.

Bozhevol'nov, E. A. - Equipment for lumi
analysis. p. 26.

Bozhevol'nov, E. A., Serebriakov, G. V. -
mental technique in determining the mi
ties of substances. p. 30.

Determination of cations:

Bozhevol'nov, E. A. - Determination of
with salicylal o-aminophenol in sodium
p. 46.

Bozhevol'nov, E. A. - Determination of
with salicylal o-aminophenol in water,
hydrogen peroxide. p. 49.

Klimov, V. V., Didkovskaia, O. S., Ko
V. N. - Determination of aluminum with
o-aminophenol in lead salts. p. 53.

IAnysheva, V. S., Sazonova, Z. A., Kap
S. B. - Determination of aluminum with
o-aminophenol in red phosphorus. p. 57

Vladimirova, V. M., Davidovich, N. K.
mination of aluminum with hydroxyquino
metallic rhenium. p. 59.

Shcherbov, D.P., Plotnikova, R.N. - Determination of beryllium with morin in ores. p.62.

Shcherbov, D.P., Plotnikova, R.N. - Determination of boron with benzoin in fluorine-containing mineral raw materials. p.65.

Kuchmistaia, G.I. - Determination of boron with benzoin in silicon tetrachloride. p.69.

Bozhevol'nov, E.A. - Determination of gallium in selenium with lumogallion of the Institute of Chemical Reagents. p.72.

Shcherbov, D.P., and others. - Determination of gallium in ores by rhodamine. p.75.

Kuchmistaia, G.I. - Determination of gallium in metallic zinc by rhodamine C. p.79.

Vladimirova, V.M., Razumova, L.S. - Determination of indium in ores by rhodamine 6G. p.82.

Bozhevol'nov, E.A., Kreingol'd, S.U. - Determination of calcium in water, acids, and salts by means of fluorescein-complexon. p.85.

Serebriakova, G.V., Bozhevol'nov, E.A. - Determination of magnesium in acids and calcium tartrate by "lumomagnezon" of the Institute of Chemical Reagents. p.89.

Serebriakova, G.V., Bozhevol'nov, E.A., Godlina, G.S. - Determination of magnesium in water and acids with bissalicylidene-ethylenediamine. p.92.

Bozhevol'nov, E.A., Kreingol'd, S.U. - Determination of copper in water and acids with lumomagnezon. p.96.

Kreingol'd, S.U., Bozhevol'nov, E.A. - Determination of copper in water and acid with fluorescein-complexon. p.100.

Ivankova, A.I., Shcherbov, D.P. - Determination of rhenium in mineral raw materials with rhodamine 6G. p.107.

Bozhevol'nov, E.A. - Determination of antimony in sulfuric and hydrofluoric acids by means of CaO(Sb) crystal phosphor. p.110.

Bozhevol'nov, E.A. - Determination of thallium in sodium iodide with rhodamine C. p.113.

Vladimirova, V.M., Davidovich, N.K. - Determination of thallium in metallic zinc and cadmium with rhodamine 6G. p.116.

Bozhevol'nov, E.A., Serebriakova, G.V. - Determination of zinc in acids and potassium-sodium tartrate with 8-(p-toluenesulfonylamino)-quinoline. p.120.

Shcherbov, D.P., Kolmogorova, V.V. - Determination of zinc in iron minerals with 8-(p-toluenesulfonylamino)-quinoline. p.125.

Alimarin, I.P., Golovina, A.P., Teniakova, L.A. - Determination of zirconium in titanium and iron-containing ores with quercetin. p.128.

Determination of anions:

Bozhevol'nov, E.A., Kreingol'd, S.U. - Determination of sulfates in water, acids, and salts with fluorescein-complexon. p.131.

IAnysheva, V.S., Sazonova, Z.A. - Determination of sulfates in distilled water with salicylfluorone. p.133.

Most important reagents for luminescence analysis. p.135.

No. 7, 1963. Metody spektrokhimicheskogo analiza s primeneniem razriadnoi trubki s polym katodom [Methods of spectrochemical analysis using a discharge tube with a hollow cathode].

Table of contents translated:

Ivanov, N.P., Krasil'shchik, V.Z. - Basic properties and analytical application of a hollow cathode. p.5.

Pevtsov, G.A., Krasil'shchik, V.Z. - Spectral determination of impurities in chemical concentrates prepared on the basis of carbon powder as an impurity collector. p.69.

Ivanov, N.P., Andrikanis, E.N. - Determination of impurities in titanium and its compounds. p.73.

Shteinberg, A.N. - Spectral analysis of pure metallic tungsten by means of discharges in a hollow cathode. p.77.

Addenda 1: Vapor pressure of some elements. p.83.

Addenda 2: Vapor pressure of some compounds. p.85.

Addenda 3: Edges of molecular bands excited in a gas discharge. p.87.

METODY POLUCHENIIA KHIMICHESKIKH REAKTIVOV I PREPARATOV [METHODS OF OBTAINING CHEMICAL REAGENTS AND PREPARATIONS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv [All-Union Scientific Research Institute of Chemical Reagents and Analytically Pure Substances]. Moscow, no. 6, 1962.

Table of contents translated:

IUr'ev, IU.K., Magdesieva, N.N. - ω-Acetyl-2-acetoselenophene (selenenoyl-2-acetone) and ω-trifluoroacetyl-2-acetoselenophene (selenenoyl-2-trifluoro acetone). p.5.

IUr'ev, IU.K., Magdesieva, N.N., Titov, V.V. - 1,3-Dibenzoyl-1-3,-di (2-selenenoyl)-propane. p.9.

Grishina, O.N., Sabirova, R.Z. - Alkyl phosphinates. p.11.

Lukin, A.M., Petrova, G.S. - Arsazene. p.14.

Lukin, A.M., Petrova, G.S. - Sulfarsazene. p.16.

Lukin, A.M., Petrova, G.S. - Cadion prepared by the Institute of Chemical Reagents. p.18.

Drapkina, D.A., Brudz', V.G., Gracheva, L.I. - Bromobenzothiazo. p.20.

Brudz', V.G., Drapkina, D.A., Gracheva, L.I. - 6-Bromo-2-aminobenzothiazole. p.22.

Savvin, S.B. - Arsenazo III. p.25.

Basargin, N.N. - Carboxyarsenazo. p.29.

Busev, A.I., Ivaniutin, M.I. - Nickel diethyldithiophosphate. p.33.

Busev, A.I., Talipova, L.L. - Azoxines. p.35.

Busev, A.I., Ivanov, V.M., Talipova, L.L. - 7-(2-pyridylazo)-8-hydroxyquinoline. p.40.

Lastovskii, R.P., Sidorenko, V.V. - Lumocupferron. p.42.

Lastovskii, R.P., Temkina, V.IA., Seliverstova, I.A. - Bisthiosalicylidene-ethylenediamine. p.44.

Bylinkina, A.A., D'iakova, N.P., Kiseleva, I.B. - Bathophenanthroline. p.46.

Kochetkova, S.A., Bylinkina, A.A., D'iakova, N.P. - 4-Phenyl-8-nitroquinoline. p.48.

Bylinkina, A.A., D'iakova, N.P. - 4-Phenyl-8-aminoquinoline. p.50.

Godlina, G.S., Bozhevol'nov, E.A., Kreingol'd, S.U. - Tetramercury fluorescein acetate. p.52.

IArovenko, E.IA., Bychkova, T.N. - Magnesium 8-hydroxyquinolinate. p.54.

Kosheleva, G.N. - Xylene cyanole FF. p.56.

Lastovskii, R.P., Temkina, V.IA., Fadeeva, I.P. - Iminodiacetic acid. p.59.

Lastovskii, R.P., Kolpakova, I.D., Ivanova, N.I. - Cyclohexylamine-N,N-diacetic acid. p.60.

Lastovskii, R.P., Kolpakova, I.D., Ivanova, N.I. - Benzylamine-N,N-acetoacetic acid. p.62.

Lastovskii, R.P., Kolpakova, I.D., Mironova, E.I. - Benzhydrylamine-N,N-diacetic acid. p.63.

Lastovskii, R.P., Kolpakova, I.D., Kozhelenko, L.I. - Aniline-N,N-diacetic-o-arsonic acid. p.65.

Lastovskii, R.P., Temkina, V.IA., Samylova, L.M. - o-Hydroxyphenyliminodiacetic acid. p.67.

Lastovskii, R.P., Temkina, V.IA., Samylova, L.M. - p-Hydroxyphenyliminodiacetic acid. p.68.

Lastovskii, R.P., Temkina, V.IA., Mironova, E.I. - 3-Hydroxy-4-carboxyphenyliminodiacetic acid. p.70.

Lastovskii, R.P., Kolpakova, I.D., Ivanova, N.I. - m-Phenylenediamine-N,N,N',N'-tetraacetic acid. p.72.

Lastovskii, R.P., Kolpakova, I.D. - a,a',a''-Triaminedibenzyldiphenylmethane-N,N,N',N'',N''-hexaacetic acid. p.73.

Lastovskii, R.P., Sidorenko, V.V. - Disodium salt of 2-naphthol-1-[N-dicarboxymethyl)-aminomethyl]-3,6-disulfonic acid. p.75.

Lastovskii, R.P., Sidorenko, V.V. - 3,5,7,3',4'-Pentahydroxy-6,8-bis-[N,N'-di(carboxymethyl)-aminomethyl]-flavone. p.76.

Lastovskii, R.P., Sidorenko, V.V. - 2,6,7-Trihydroxy-9-(2'-hydroxyphenyl)-3-fluorone-5,3'-bismethyliminodiacetic acid. p.78.

IAshunskii, V.G., Sidorenko, V.V. - 2-Aminothiazolediacetic acid and 2-amino-6-methoxybenzo thiazolediacetic acid. p.80.

Lastovskii, R.P., and others. - Disodium salt of magnesium ethylenediaminetetraacetate. p.83.

Lastovskii, R.P., and others. - Disodium salt of zinc ethylenediaminetetraacetate. p.84.

Dorofeenko, G.N., Karban, V.I. - p-Methoxyvalerophenone. p.85.

Dorofeenko, G.N., Karban, V.I. - p-Ethoxybutyrophenone. p.87.

Fedosiuk, L.G., and others. - Sec. pentylphenols. p.89.

Kosheleva, G.N., and others. - Barium salts of adenylic, guanylic, uridylic, and cytidylic acids. p.92.

Radle-Desiatnik, S.S. - Malonic acid diamide. p.101.

Alphabetical list of compounds and their preparation methods described in vol. No. 6, 1962. p.103.

REFERATIVNYI ZHURNAL: KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Apr. 1964. Avtorskii ukazatel' za 1962 g. [Author Index for 1962], A-G, vol. 3.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]. Moscow, vol. 7, no. 1, 1964.

Table of contents translated:

Protsenko, P.I., Brykova, N.A. - Physicochemical properties of solutions of the system $TlNO_2$ - $RbNO_2$ - H_2O at 25°C. p.3.

Levina, M.E. - True heat capacity of various sodium phosphates. p.7.

Lichkova, N.V., Dulova, V.I. - Strength of acids in hexyl and tertiary butyl alcohols. p.10.

Bogonostsev, A.S. - Interaction of some cations with violuric acid. Part 1. p.15.

Kokk, Kh.IU., Aleskovskii, V.B. - Determination of the submicrogram quantities of copper in the microsamples of cadmium selenide. p.19.

Stepanova, N.D., Aleskovskii, V.B. - Possible use of extraction for determining the microquantities of oxygen dissolved in water. p.24.

Kireev, V.A., Gorbushina, V.B. - Relation between thermal effects of inorganic reactions taking place at the same temperatures. p.29.

Vorob'ev, N.K., Kuritsyn, L.V. - Reaction kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 2. p.34.

Shirokov, IU.G., Kirillov, I.P., Koroshkin, V.M. - Effect of the conditions of reduction, passivation, and sintering on the ferromagnetic properties of deposited nickel catalyst. p.41.

Gusev, N.I. - Effect of colloids on the kinetics of the anodic dissolution of copper in an acid electrolyte. p.46.

Khitrov, V.A., Smol'ianinov, I.S. - Effect of temperature on the corrosion resistance and electrode potentials of metals in acid media. Part 5: Copper in hydrochloric acid solutions. p.51.

Kravchenko, T.A., Shatalov, A.IA., IAnchuk, E.K. - Part 1: Corrosion of aluminum in alkaline solutions with additions of oxidizers. p.56.

Spryskov, A.A., Gnedin, B.G. - Sulfonation reaction. Part 59: Analysis of sulfo mixtures obtained in phenol sulfonation. p.61.

Egorov, N.V., Elgazin, S.A., Shemiakin, F.M. - Quantitative determination of a morphine base by titration on the background of its luminescence in an acid medium. p.66.

Atroshchenko, V.I., Ivanova, L.N., Gornet, D.V. - Kinetics of the conversion of carbon monoxide with water vapors on a zinc-chromium catalyst. p.70.

Kirillov, I.P., Opolovnikova, N.P., Alekseev, A.M. - Study of the formation of zinc-chromium catalysts for the synthesis of alcohols. Part 1. p.77.

Kudriavtsev, N.T., TSupak, T.E. - Study of the conditions of the electrolytic production of a nickel-chromium alloy from metal sulfate solutions in the presence of glycine. p.84.

Babkin, G.N. - Anomalous curves of cobalt polarograms with thiocyanides as the support. p.90.

Babkin, G.N., Sambetov, Sh.S. - Mechanism of the formation of dispersed cobalt deposits on a mercury cathode with alkaline earth chlorides as the support. p.95.

Avgustinik, A.I., Sintsova, I.T., IUdin, D.M. - Precrystallization stage in glasses of the system K_2O - SiO_2. p.101.

Kaliga, G.P., Liutsareva, L.A. - Some properties of higher purity zirconium dioxide. p.106.

Berezin, B.D. - Physicochemical properties of phthalocyanine pigments. Part 3: Breakdown of pigment molecules in acid solutions. Chromaticity of phthalocyanines. p.111.

Smirnov, R.P., Borodkin, V.F., Luk'ianova, G.I. - Synthesis of metal complex compounds of asymmetrical macrocycles. p.116.

Fal'kovskii, V.B., and others. - Preparation of carboxylic acids by one-stage oxidation of polymethylbenzenes in bubble columns. p.122.

Moshchinskaia, N.K., Vasil'ev, N.N., Budinskaia, N.N. - Problem of the plasticization of polyvinyl chloride with plasticizers of various chemical natures and their mixtures. p.127.

Voskresenskii, V.A., and others. - Some means of increasing the stability of plasticization systems. p.132.

Gorshtein, A.E., Soroko, V.E. - Piezoelectric method of investigating the structure of a fluidized bed. p.137.

Fomichev, A.G., Gvozdev, V.D. - Process of mixing granular materials in an apparatus of continuous operation with a fluidized bed. p.141.

Zamoruova, T.A. - Hydrodynamics of the bed of some plant materials. p.149.

Suprunov, V.A., Kisel'nikov, V.N. - Intercrystalline corrosion of 18-8-type steel. p.156.

Zhukova, N.A., Lebedeva, L.I. - Interaction between molybdenum (VI) and iron (III) in a weak acid solution. p.164.

Shemiakin, F.M., Egorov, N.V. - New method for the qualitative determination of opium alkaloids. p.165.

Bystritskii, A.L., Aleskovskii, V.B. - Manufacture of nonplatinum silver halide electrodes. p.168.

Dashalit, G.I. - Possibility of lowering the sulfur content of metallurgical coke in the process of dry quenching. p.169.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL], issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.], Tashkent, vol.8, no.3, 1964.

Table of contents translated:

Aliev, IA.IA., and others. - Phase composition of aluminosilicate and its components. p.5.

Osichkina, R.G., - Accessory elements in the halide stratum of Tiubegatan. p.13.

Ibragimova, U., Nabiev, M.N. - Some physicochemical properties of liquid complex fertilizers obtained by the nitric acid treatment of phosphates. p.16.

Osipova, M.I., Khodzhaev, G., Burova, E.G. - Naphthenic and paraffinic hydrocarbons of gasoline from crudes of the Khodzhiabad field (layer 1). p.26.

Kuvina, I.M., Tokhtasunov, I.P. - Carboxyalkylation of aromatic hydrocarbons in the presence of ferric chloride. p.33.

Rozhkova, V.N., Markman, A.L. - Hydrogenation of mixtures of unsaturated compounds. p.38.

Allaiarov, Kh., Abduazimov, Kh.A., Iunusov, S.IU. - Alkaloids of Ungernia trisphaera BGE. p.46.

Kadyrov, Ch.Sh. - Syntheses of arylbutyric acids. Part 1: Reactions of benzene and chlorobenzene with butyrolactone. p.52.

Tadzhieva, M., Usmanov, Z.U., Kamenskii, I.V. - Process of formation of polymers based on polyene furan aldehydes and some of their analogs. Report No.2: Formation of polymers based on furfurole with butyraldehyde. p.56.

Arifov, E.A., Barakhanov, M.A., Akhmedov, K.S. - Effect of the pH of a medium on the interaction of an artificial soil aggregation agent with montmorillonite clay. p.62.

Razikov, K.Kh., Azizov, U., Usmanov, Kh.U. - Electron microscopy of cotton cellulose and its copolymers. Part 1: Particular features of cotton cellulose microstructure and of its radiation-induced graft copolymer with methacrylic acid. p.66.

Sigov, N.A., Lelkin, Z.M., Datch, B.I. - Production of calcium cyanamide by the carbideless method. p.73.

Conference on "Trace elements in agriculture." p.79.

Ninth conference on the chemistry of complex compounds. p.80.

On the fiftieth birthday of Abid Sadykovich Sadykov. p.81.

VYSOKOMOLEKULIARNYE SOEDINENIIA [MACROMOLECULAR COMPOUNDS], issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.6, no.1, Jan. 1964.

Table of contents translated:

Avetian, M.G., and others. - Cyclic polymerization and copolymerization. Part 17: Radical polymerization of substituted divinyl ketones. p.3.

Petrov, K.A., and others. - Properties of amides of phosphorus acids. Part 7: New method of preparation of phosphorus-containing polyamides. p.10.

Arbuzova, I.A., Moscvich, I.N. - Polymerization of [illegible] ethers. p.13.

Tsvetkov, V.N., Budtov, V.P. - Orientation of flow birefringence and the kinetic rigidity of chain molecules. p.16.

Bresler, S.E., Dergunov, D.P., Popov, A.G. - Osmometer with a porous glass membrane. p.22.

Degtiarev, L.S., Ganiuk, L.N. - Electron paramagnetic resonance spectra of tetramethylthiuram disulfide and its copper complex. p.28.

Korshak, V.V., and others. - Synthesis of polyesters and polyamides based on nitrophthalic acids by interfacial polycondensation. p.31.

Frisman, E.V., Shui Man [Hsui Man]. - Effect of deformation on the optical and hydrodynamic behavior of macromolecules in solution. p.34.

Frisman, E.V., Shui Man [Hsui Man]. - Effect of the intrinsic viscosity of macromolecules on their deformability in the flow. p.41.

Panov, IU.N., Nordbek, K.E., Frenkel', S.IA. - Selective interaction in polymer chains. Part 3: Fluctuational amorphous networks in solutions of polymers capable of interchain hydrogen bonding. p.47.

Laius, L.A., Kuvshinskii, E.V. - Isometric heating as a method of studying oriented solid amorphous polymers. p.52.

Berlin, A.A., Cherkashina, L.V., Razvodovskii, E.F. - Polymers with a conjugated system. Part 37: Synthesis of polymers with charged heteroatoms in the macromolecular chain (onium polymerization). p.56.

Poddubnyi, I.IA., Grechanovskii, V.A. - Effect of chain branching on the character of the molecular weight dependence of the hydrodynamic parameters of macromolecules. p.64.

Tsvetkov, V.N., and others. - Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer. p.69.

Zabolotskaia, E.V., and others. - Separate polymerization and copolymerization of isoprene in the presence of α-$TiCl_3$ - $Al(C_2H_5)_3$. p.76.

Zabolotskaia, E.V., and others. - Mechanism underlying the polymerization of isoprene with styrene catalyzed by α-$TiCl_3$ - $Al(C_2H_5)_3$. p.81.

Atrapetiants, A.V., and others. - Effect of orientation on the electrical properties of heat-treated polyacrylonitrile. p.86.

Sokolova, T.A., Rapina, A.P., Pavlova, S.A. - Polydispersity of polymers of 1,1,2-trichloro-1,3-butadiene. p.89.

Barkalov, I.M., and others. - Radiation-induced polymerization in the solid phase. Part 1: Polymerization of acrylonitrile. p.92.

Barkalov, I.M., and others. - Radiation-induced polymerization of the solid phase. Part 2: Polymerization of vinyl acetate. Variations of the temperature dependence of the polymerization rate. p.98.

[illegible], V.K. - Study of the conformation and electrical properties of macromolecules based on the electric conductivity of their solutions in an electric field. p.102.

Shibaev, V.P., and others. - Structural and mechanical study of isotactic and atactic polystyrene graft copolymers. p.107.

Prashchikina, A.S., Gur'ianova, E.N., Grinberg, A.L. - Radical nature of degradation of a number of organosulfur compounds, accelerators of rubber plasticization. p.112.

Bukhgalter, V.I., and others. - Study of the polymerization kinetics of polyacrylates by the methods of electric conductivity, infrared spectroscopy, and viscometry. p.116.

Pavlova, S.A., Sokolova, T.A., Rapina, A.P. - Viscosity and molecular weight of polytrichlorobutadiene. p.122.

[illegible], V.P., and others. - Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene. p.125.

Markova, G.A., Kroher, B.G., Bakh, N.A. - Study of structural changes of polyethylene subjected to radiation and heat treatment. p.131.

[illegible], S.P. - Calculation of the internal rotation energy of polyethylene. p.135.

Sazhin, B.I., Podosenova, N.G. - Electric conductivity of polymers. Part 6: Effect of crystallization. p.137.

Nikitin, V.N., [illegible], N.A. - Spectroscopic study of hydrogen bonding in polymers of m- and para-hydroxyphenylmethacrylamide and the molecular chain conformation. p.144.

Kuo Tie-chen [Kuo Tieh-cheng], and others. - Polymerization of substituted N-phenylacrylamides. Part 6. p.149.

Slonimskii, G.L., Makarova, T.A. - Anisotropy of the mechanical properties of uniaxially oriented polymer films. p.152.

Birshtein, T.M., Ptitsyn, O.B., Sokolova, E.A. - Theory of polyelectrolyte solutions. Part 5: Short range interaction of charged groups in stereoregular polyelectrolytes. p.158.

Kargin, V.A., Sogolova, T.I., Nadareishvili, L.I. - Effect of supramolecular structure on the mechanical properties of crystalline polymers. Part 1: Obtaining various supramolecular structures during formation of gutta-percha films and study of their mechanical properties. p.165.

Kargin, V.A., Sogolova, T.I., Nadareishvili, L.I. - Effect of supramolecular structure on the mechanical properties of crystalline polymers. Part 2: Character of the spherulite structure breakdown and the mechanical properties of gutta-percha on repeated deformations of the films. p.169.

Rusznak, I. - Study of cellulose oxidized by nitrogen peroxide. Part 2: Effect of the accessibility and mean degree of polymerization of untreated cellulose on the degree of oxidation and solubility of the oxidized product in alkaline solution. p.174.

Korshak, V.V., Sosin, S.L. - Obtaining a high-molecular weight polymer by the reaction of p-diisopropylbenzene with tert-butyl peroxide. p.180.

Vol.6, no.3, Mar. 1964.

Table of contents translated:

Firsov, A.P., [illegible], L.V., Chirkov, N.M. - Effect of temperature on the crystalline phase content of isotactic polypropylene. p.377.

[illegible], A.P., [illegible], M.N. - Block copolymerization of N-vinylphthalimide and styrene. p.379.

Tsvetkov, V.N., and others. - Photoelastic effect in swollen polymers. Part 3: Polyvinyl acetate. p.384.

Gotlib, IU.IA. - Theory of the optical anisotropy of short or stiff chain macromolecules for the persistent chain model. p.389.

Regel', V.R. - Mechanical models of polymers containing breakdown elements. p.395.

Tsvetkov, V.N., Klenin, S.I., Magarik, S.IA. - Optical anisotropy of polymethyl methacrylate - polystyrene graft copolymers. p.400.

Zubov, IU.A., and others. - Large periods in polypropylene fibers. Part 1: Effect of orientation and heat treatment (annealing) on the size of the large periods. p.406.

Milovskaia, E.B., and others. - Radical polyma
tion of polar monomers induced by the syst
benzoyl peroxide. p.412.

Firsov, A.P., Ter-Gazarian, A.D., Chirkov, N.
merization of propylene in the presence of
$Al(C_2H_5)_3$ - Zn $(C_2H_5)_2$. p.417.

Fomenko, L.N., Kuznetsov, G.A., Gerasimov,
Use of powdered specimens in recording th
mechanical curves of polymers. p.421.

Razinskaia, I.N., Shtarkman, B.P., Kozlov, P.
Study of the structural characteristics of p
chloride by the plasticization method. p.4

Poliakova, V.M., Fainerman, A.E., Voitsekh
B.V. - Use of diffusion salting-out for eval
the molecular weight distribution of poly-ε
amide. p.432.

Koretskaia, A.I., Kudriavtsev, G.I., Konkin, A
Solid state polyesterification. Part 1: Soli
polyesterification of p-acetoxybenzoic acid
molecular weight products of condensation
methyl terephthalate and ethylene glycol.

Kargin, V.A., Koretskaia, T.A., Bogaevskaia,
Crystallization of isotactic polystyrene. p

Mardykin, V.P., Badaev, V.K. - Polymerizati
ethylene on the catalytic system titanium te
ride - organoaluminum etherates. p.444.

Mardykin, V.P., Konovalova, A.M. - Polymer
of ethylene on the three-component catalyti
tem. p.448.

Fedotova, O.IA., Kerber, M.L., Losev, I.P. -
tion of aromatic and aryl aliphatic polyamid
pared by interfacial polycondensation. Par
p.452.

Smirnova, O.V., and others. - Synthesis and
polycarbonates by the interfacial polyconden
method. Part 4: Effect of the excess of one
components of the course of the interfacial
condensation of 2,2'-bis-(4-hydroxyphenyl)
and phosgene. p.459.

Smirnova, O.V., and others. - Synthesis and
polycarbonates by the interfacial polyconden
method. Part 5: Effect of the amount and co
tration of sodium hydroxide on the course of
interfacial polycondensation of 2,2'-bis(4-hy
phenyl)propane and phosgene. p.465.

Gromov, B.A., Miller, V.B., Shliapnikov, IU
Correlations in the action of inhibitors in ox
reactions. Part 5: Kinetics of consumption
α-naphthol in the induction period. p.470.

Khismatullina, L.A., Levi, S.M., Kuklin, V.A.,
thesis and study of graft copolymers of gela
p.473.

Volkova, A.I., Koton, M.M. - Effect of the chem
structure of unsaturated esters on their abil
polymerize. Part 2: Substituted acrylates a
acrylates. p.480.

Mitin, IU.V. - Polymerization of 4,4'-diisopro
phenylethane. p.481.

Zhuravleva, I.P., [illegible], K.A., [illegible], A
Some properties of polyphenyleneimine. p.

Savitskaia, M.N., Kholodova, IU.D. - Polyacr
and its derivatives. p.495.

Lavrushin, V.F., Piskova, L.N. - Resin forma
the reaction of diaryl alkanes with trichloro
acid. p.499.

Mechanical properties of rubberlike polymers
solid state at low temperatures. p.504.

Teplikova, L.N., and others. - Synthesis of op
active polymers based on propylenediamine
cyclopropanedicarboxylic acid. p.512.

Razinskaia, I.N., Kozlov, P.V., Shtarkman, B.P
electric properties of plasticized polyvinyl c
p.516.

Mikhailov, N.V., Fainberg, E.Z., Semmenskaia
Study of the structure of cellulose hydrate fi
by the method of sorption of quaternary amm
bases from aqueous solutions. p.522.

Mikhailov, N.V., and others. - Study of the fin
ular structure of cellulose hydrate fibers by
determination of shear modulus. p.527.

Bolotnikova, L.S., Samsonova, T.I. - Relation
between molecular weight and intrinsic visco
cellulose in solutions of the cadmium ethylen
mine complex. p.533.

Zakaev, L.P., Pivnev, V.I. - Application of nu
magnetic resonance in the study of the aging
rubbers. p.536.

Slobodin, IA.M., Matorova, V.E., Smirnova, A.
Thermal degradation of ethylene-propylene
Part 1: C_1 - C_6 hydrocarbons in the produc
thermal degradation of ethylene-propylene
rubber. p.541.

Paushkin, IA.M., and others. - New iron-conta
polymers on the basis of ferrocene and their
trophysical properties. p.545.

Rusznak, I., Laval, D. - Cellulose oxidized by
peroxide. Part 3: Kinetics of dissolution of p
glucuronic acid in alkalies. p.551.

Kolesnikov, G.S. - Copolymerization of monom
with two and more carbon - carbon double bo
p.559.

Marechal, J., Marechal, E. - Use of the diele
properties of solutions of rodlike macromole
for the determination of their length and poly
persity. p.561.

TSvetkov, V.N., and others. - Optical anisotropy and conformation of molecules of soluble (transfer) ribonucleic acid (S-RNA). p.568.

Korshak, V.V., Mozgova, K.K., Egorova, IU.V. - New method of synthesizing multilayer graft copolymers (pemosors). p.571.

Livshits, R.M., and others. - Thermoplastic graft copolymers of cellulose. p.572.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.18, no.3, Mar. 1963.

Table of contents translated:

Adamovich, L.P., Mirnaia, A.P. - Spectrophotometric study of beryllon II and analytical reagent. p.292.

Starobinets, G.L., Mechkovskii, S.A. - Partition chromatography on ion exchangers. Report No.3: Separation of anions oxidizers. p.298.

Polianskii, N.G., Shaburov, M.A. - Rapid methods for the titrimetric determination of anion exchanger capacity. p.304.

Beliaev, IU.I., Khitrov, L.M. - Use of quantometers for the analysis of geological materials. p.310.

Supin, G.S. - Certain features of the polarography of alkali metal ions in aqueous and aqueous-ethyl alcohol media. p.318.

Kuz'mima, N.N., Songina, O.A. - Composition of thiourea complexes of silver formed during amperometric titration. p.323.

Fabrikova, E.A., Isaeva, A.G. - Flame photometric determination of barium in natural objects. p.329.

Nemodruk, A.A., Kochetkova, N.E. - Reaction of tetravalent plutonium with arsenazo III. p.333.

Kataev, G.A., Otmakhova, Z.I. - Spectral method for determining microimpurities in gallium arsenide with their preconcentration. p.339.

Alimarin, I.P., Borzenkova, N.P., Shmatko, R.I. - Hydroxamic acids as analytical reagents. Report No.1: Spectrophotometric study of the reactions of titanium with benzohydroxamic acid. p.342.

Riabchikov, D.I., and others. - High-frequency titration. Report No.7: Carbonate compounds of thorium. p.348.

Chepelevetskii, M.L., Kharitonovich, K.F. - Solubility product of lead molybdate. p.357.

Busev, A.I., Min'-tiau, Khoang. - Derivatives of thioglycolic acid: N-(mercaptoacetyl)-p-anisidine and N-(mercaptoacetyl)-p-toluidine as reagents for selenium. p.360.

Gusev, S.I., Kozhevnikova, I.A. - Indirect titrimetric determination of bromides with complexon III. p.366.

Miller, A.D., Shneider, L.A. - Determination of microamounts of iodine in natural waters by a catalytic method. p.371.

Siniakova, S.I., and others. - Determination of copper, lead, cadmium, and zinc impurities in extremely pure indium and its salts by the method of amalgam polarography with a stationary electrode. p.377.

Bezuglyi, V.D., and others. - Polarographic control of some intermediate stages in the synthesis of monomers. p.385.

Bashilova, V.M., Figurovskii, N.A. - Separation of mixtures of organic substances by a simplified method of countercurrent extraction. p.396.

Morlashchev, A.K., Voronin, V.G. - Determination of the composition of certain ethereal oils by a method of gas-liquid chromatography. p.401.

Terent'ev, A.P., Litvin, K.I., Rokhadze, E.G. - Obtaining pure precipitates by the method of nascent reagents. p.406.

Mendlina, N.G. - Photometric determination of cerium in a methyl alcohol suspension of aluminum oxide. p.408.

Shvaika, O.P., Protsenko, E.G. - Quantitative determination of N-arylhydroxylamines by potentiometric titration with sodium nitrite. p.410.

Anisimova, G.F., Klimova, V.A. - Coulometric microdetermination of hydrogen in organic compounds. p.412.

Petrukhin, O.M. - "Microchemical journal symposium series. Vol.1. Submicrogram experimentation." p.416.

Ivanov, V.M. - "Methods of analysis of high-purity substances and single crystals." Vol.1. p.415.

Vol.19, no.1, 1964.

Table of contents translated:

Production control and the objectives of analytical chemistry. p.3.

Bugaevskii, A.A., Komar', N.P. - Functions important for rapid calculation of titration curves. p.8.

Savvin, S.B., Dedkov, IU.M. - Analytical application of bisazo derivatives of chromotropic acid. p.21.

Zolotov, IU.A., Alimarin, I.P., Bodnia, V.A. - Kinetics of extraction; a survey. p.28.

Zarinskii, V.A., Gur'ev, I.A. - High-frequency titration. Report No.10: Titration of acids in dioxane-aqueous media. p.37.

Ovechkin, G.V. - Determination of the intensity of spectral lines emitted by arc and spark discharge plasma taking back absorption into account. p.43.

Bankovskii, IU.A., Chera, L.M., IEvinsh, A.F. - Study of 8-mercaptoquinoline (thioöxine) and its derivatives. Report No.29: Use of thioöxine for the extractive purification of reagents by removing heavy metal impurities. p.48.

Zhuravlev, G.I., Gavrilova, I.A. - Determination of sodium, potassium, and calcium in uranium and its compounds by flame photometry. p.54.

Tikhonov, V.N., Grankina, M.IA., Koroleva, V.I. - Complexometric determination of magnesium and calcium in the products of the titanium industry. p.59.

Nikolaev, G.I. - Atomic-absorption method for determining zinc in metals and alloys. p.63.

Zhivopistsev, V.P., Kalmykova, I.S. - Quantitative determination of scandium after its separation as an iodide complex with diantipyrylmethane. p.69.

Kon'kova, O.V. - Spectrophotometric study of a scandium compound with xylenol orange. p.73.

Kogan, F.I., Kovalenko, P.N., Ivanova, Z.I. - Electrolytic separation of indium on a solid cathode for analytical purposes. p.79.

Sil'nichenko, V.G., Dmitrieva, F.I. - Determination of samarium of different valency in fluorite. p.84.

Nazarenko, V.A., Lebedeva, N.V., Vinarova, L.I. - Complexometric determination of tetravalent germanium. p.87.

Alimarin, I.P., Makarova, S.V. - Extraction of fluotantalates with basic dyes. Report No.1: Extraction of microgram amounts of tantalum as crystal violet fluotantalate. p.90.

Furtova, E.V., and others. - Photometric determination of thorium in natural materials with the use of arsenazo III. p.94.

Amsheeva, A.A., Bezuglyi, D.V. - Determination of bismuth in cast iron by a photometric or a complexometric method with xylenol orange. p.97.

Busev, A.I., Rudzit, G.P. - Detection of molybdenum as a pyrocatechol-pyridine complex. p.102.

Miasoedov, B.F., Pal'shin, E.S., Palei, P.N. - Separation of protactinium from other elements by extraction with N-benzoylphenylhydroxylamine. p.105.

Muzgin, V.N., Zolotavin, V.L., Gavrilov, F.F. - Chemical-spectral method for determining impurities in vanadium. p.111.

Baryshnikov, IU.N., Kvasov, A.A. - Iodometric determination of arylmagnesium compounds. p.117.

Polianskii, N.G. - Titrometric methods for determining diketene and crotonaldehyde present together. p.121.

Kost, A.N., Koronelli, T.V., Sagitullin, R.S. - Chromatography of indole derivatives in a thin layer of aluminum oxide and on paper. p.125.

Klassova, N.S., Leonova, L.L. - Photometric determination of titanium in microgram portions of minerals and rocks by means of 2,7-dichlorochromotropic acid. p.131.

Turkel'taub, N.M., and others. - Chromatographic determination of helium, neon, and hydrogen impurities in air. p.133.

Terent'ev, A.P., and others. - Quantitative determination of methyl acrylate by means of hexamethyleimine. p.135.

Poliachenko, V.M., Samokhvalov, G.I. - Semimicrodetermination of the iodine number of synthetic (α-oleyl-β-stearoly)-phosphatidylethanolamine. p.136.

Taneeva, G.V., Gladyshev, V.P. - Oscillographic determination of acetaldehydes and crotonaldehydes present together. p.138.

Makarov, V.I. - Extraction-spectrophotometric method for the determination of small amounts of cyclohexene in cyclohexane. p.140.

Dedkov, IU.M. - Moscow Seminar on Analytical Chemistry. p.142.

*ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.36, no.11, Nov. 1962.

Table of contents translated:

Men', A.N. - Contribution to the theory of oxidation-reduction equilibrium in oxides. p.2313.

Manakov, A.I., Esin, O.A., Lepinskikh, B.M. - Surface tension, potential, and density of molten niobates. p.2317.

Ukshe, E.A., Bukun, N.G., Leikis, D.I. - Double electrical layer in fused salts. p.2322.

Lur'e, IU.IU., Kandzas, P.F., Mokina, A.A. - Oxidation of potassium iodide in a field of ultrasonic waves. p.2329.

Borisova, E.N., Eremin, E.N. - Mechanism of the conversion of methane to acetylene in electrical discharges. Part 2. p.2334.

Martiniuk, G.A., Lukovtsev, P.D. - Mechanism involved in the rectifying action of solid electrolytic condensers. p.2340.

Tolmacheva, IU.A., Davydov, A.T. - Dynamics of anion exchange on the anion exchanger EDE-10P as dependent on the flow rate under conditions of concave sorption isotherm. p.2347.

Denisov, E.T. - Models of degenerate chain-branching reactions with several intermediate products. p.2352.

Kravtsov, V.I., Lokshtanova, O.G. - Kinetics of electrode processes on solid electrodes. Part 3. p.2362.

Sukhotin, A.M., Antonovskaia, E.I., Pozdeeva, A.A. - Nature of the passivating film on chromium in acid solutions. p.2368.

Tkach, IU.A., Davtian, O.K. - Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 8. p.2374.

Polukarov, IU.M., Kuznetsov, V.A. - "Aging" of electrolytic copper deposits. p.2382.

Strakhov, B.V., Lebedev, V.P., Kobozev, N.I. - Physical chemistry of concentrated ozone. Part 9. p.2388.

Markevich, N.N., Putseiko, E.K. - Optical sensitization of the photo effect of zinc oxide and the adsorption isotherms of dyes. p.2393.

Shtol'ts, A.K., Gel'd, P.V. - Phase constituents of the system iron - germanium. p.2400.

Zhilnenkov, I.V. - Temperature coefficient of the dielectric constant of sorbed water. p.2406.

Dozorov, V.A., Deviatykh, G.G., Elliev, IU.E. - Rectification kinetics of binary mixtures. p.2413.

Shvarts, E., Damaskin, B.B., Frumkin, A.N. - Nature of the hump on the differential capacitance curves. p.2419.

Masiukov, V.N. - Nernst heat theorem and the second law of thermodynamics. p.2428.

Ermolenko, N.F., Shirinskaia, L.P. - Selectivity of cation exchange on a NaA-type molecular sieve. p.2432.

Averbukh, B.D., and others. - Study of equilibrium conditions in the reduction of manganese ferrite by hydrogen. p.2436.

Lantratov, M.F., Skirstymonskaia, B.I. - Depolarization in the deposition of alkali metals on liquid cathodes. p.2442.

Babkin, I.IU., Kiselev, A.V. - Adsorption and heat of adsorption of various vapors on a trimethylsilylized aerosil surface. p.2448.

Kiseleva, E.D., Chmutov, K.V., Filatova, N.V. - Radiation stability of ion-exchange resins. Part 3. p.2465.

Strel'nikova, Zh.V., Trosman, E.A., Lebedev, V.P. - Corrosive sublimate poisoning of platinum on cadmium oxide adsorption catalysts in the decomposition of hydrogen peroxide. p.2469.

Gorfinkel', M.I., Lindenbaum, M.D. - Concerning a method for the approximate integration of some kinetic equations. p.2472.

Khalilov, Kh.M. - Viscosity of isooctane, cyclopentane, cyclohexane, and their saturated vapors. p.2474.

Khomutov, N.E. - Nature of solvation. Part 2. p.2477.

Deich, A.IA. - Density, viscosity, and specific conductivity of $CdBr_2$ solutions in acetone, water, and their mixtures. p.2479.

Pamfilov, A.V., Lopushanskaia, A.I., Balter, A.M. - Irreversible processes in polarography. Chromium nitrate. p.2481.

Aristov, B.G., Karnaukhov, A.P., Kiselev, A.V. On the corpuscular theory of the structure of adsorbents. Part 4. p.2486.

Mertslin, R.V., Nikurashina, N.I., Kamaevskaia, L.A. - Properties of the field of demixing of ternary systems comprising one preponderant binary system. Part 4. p.2491.

Belashchenko, D.K. - Theory of electric transport. Part 3. p.2496.

Pal'm, V.A., and others. - Protonation of carbonyl compounds and the mechanism of the acid hydrolysis of esters. p.2499.

Arkhangel'skii, K.V., Semenchenko, V.K. - Study of the thermodynamic stability of binary liquid systems by the dielectric method. p.2501.

Bek, R.IU., Kudriavtsev, N.T., Nechaev, E.A. - Cathodic polarization in the electrodeposition of silver from ferrocyanide electrolytes. p.2506.

Novozhilov, B.V. - Rate of burning of a model powder mixture in the diffusion region. p.2508.

Pozhidaev, E.D., Gorbachov, S.V. - Effect of the redox potential on the course of reactions in solutions. Part 2. p.2512.

Barshchevskii, I.N. - Photocatalytic properties of antimony trioxide in the reduction of methylene blue. Part 1. p.2515.

Vasil'ev, V.P., Vasil'eva, V.N. - Entropy and isobaric potential of the lattice of compounds with multiatomic anions. p.2517.

Panchenkov, G.M., Zhorov, IU.M. - Kinetics of chemical reactions between gaseous and liquid reactants proceeding in a stationary system with change in volume. p.2520.

Demchenko, V.V. - Theory of surface tension. Part 1. p.2524.

Vasserman, A.A., Zagoruchenko, V.A., Kazavchinskii, IA.Z. - Equation of state for methane - ethane mixtures. p.2527.

Damaskin, B.B., Vavrzhichka, S., Grigor'ev, N.B. - Attraction interaction between tetrabutyl ammonium cations adsorbed on mercury. p.2530.

Vorob'eva, T.P., Voevodskii, V.V., Purmal', A.P. - Studies of catalase-active systems. Part 2. p.2532.

Bass, S.I., Medvedev, S.S. - Mechanism of the inhibiting action of phosphites in the oxidation of paraffinic hydrocarbons. p.2537.

Kolotyrkin, V.M., Nikolaev, N.I. - Distribution of lithium isotopes in immiscible solvents. p.2540.

IAkovleva, A.A., Borisova, T.I., Veselovskii, V.I. - State of the surface and mechanism of the self-dissolution of germanium in hydrogen peroxide solutions. p.2541.

Keloglu, IU.P., Fedorko, A.S. - Metallographic and X-ray study of some pseudobinary sections of the system Cd - Zn - Sb. p.2544.

Kireev, V.A. - Thermodynamics of chemical reactions of the same type chemical reactions. p.2547.

Romanovskii, V.A. - Heat capacity of glass-forming crystals at low temperatures. p.2550.

Bylina, E.A., Evdokimov, V.B., Kobozev, N.I. - Magnetic susceptibility of platinum catalysts. p.2552.

Kuvshinnikov, I.M. - Calculation of the once through partition coefficient of a mixture of two components from the sorption isotherms of pure substances. p.2556.

Iofa, Z.A., Vei Bao-min[Wei Pao-ming]. - Effect of pH of the medium on the rate of corrosion and anodic dissolution of cobalt. p.2558.

Semiokhin, I.A., Panchenkov, G.M., Korovkin, V.K. - Oxygen isotope separation in the electrosynthesis of ozone. Part 2. p.2561.

Arkhangel'skii, K.V., Semenchenko, V.K. - Concerning the determination of the critical region and critical temperature. p.2564.

Karapet'iants, M.Kh. - "Principles of analytical chemistry (qualitative and quantitative analysis" by A.P.Kreshkov. p.2567.

Bundel', A.A. - "Problems of semiconductors." p.2568.

Astakhova, E.K., Astakhov, K.V. - Nature of ammonia solutions. p.2570.

Vol.37, no.3, Mar. 1963.

Table of contents translated:

Gonikberg, M.G. - Kinetics of chemical reactions at high pressures. p.477.

Vecher, A.A., Gerasimov, IA.I. - Study of the thermodynamic properties of binary metallic systems by the electromotive force method. Part 8. p.490.

Kapralova, G.A., Semenov, N.N. - Decomposition of tert-butyl chloride studied by means of calorimetry. Part 3. p.499.

Zarakhani, N.G., Vinnik, M.I. - Composition and equilibrium in the system H_2SO_4 - H_2O. p.503.

Komandin, A.V., Shimit, B.D. - Dielectric properties of polyhydric alcohols in the liquid state. p.510.

Matiushenko, V.Kh. - Determination of constants in kinetic equations. p.517.

Khomutov , N.E. - Interrelation between certain thermodynamic, electron, and electrochemical properties of metals. Part 2. p.526.

Krasil'shchikov, A.I. - Intermediate states of anodic oxygen evolution. p.531.

Chovnyk, N.G., Vashchenko, V.V. - Determination of diffusion coefficients of metals in amalgams. p.538.

Ermakov, V.I., Smirnov, N.I., Zagorets, N.A. - Study of solutions by high-frequency methods. Part 6. p.544.

Mikhailovskii, IU.N. - Electrochemical mechanism of metal corrosion under the effect of alternating current. Part 3. p.553.

Grushina, V.V., Rodin, A.M. - Sorption of hydrogen by titanium-zirconium and titanium-molybdenum alloys. p.559.

Fialkov, A.S., Toporov, G.N., Chekanova, V.D. - Concerning the possibility of controlling the content of functional groups on the surface of carbonaceous powders. p.566.

Moiseev, IU.V., Batiukov, G.I., Vinnik, M.I. - Infrared and ultraviolet spectra of lactams in caustic potash solutions. p.570.

Losev, V.V., Budov, G.M. - Study of electrode processes on amalgams by means of radiochemical and electrochemical measurements. Part 1. p.578.

Popov, G.P., Chufarov, G.I. - Mechanism and equilibrium conditions of nickel ferrite reduction by hydrogen. p.586.

Shimulis, V.I., Griaznov, V.M. - Adsorption of isopropyl alcohol vapors on germanium. p.595.

Storonkin, A.V., Smirnova, N.A. - Certain problems of the thermodynamics of multicomponent heterogeneous systems. Part 6. p.601.

Kiselev, A.V., Poshkus, D.P. - Statistical calculation of the total energy and entropy of benzene adsorbed on graphite. p.608.

Pamfilov, A.V., Lopushanskaia, A.I., Balter, A.M. - Irreversible processes in electrochemistry. Part 2. p.615.

Popel', S.I., Pavlov, V.V., Esin, O.A. - Calculation of the surface tension of liquids by means of the excess isochore-isotherm potential. Part 1. p.622.

Mal'tsev, A.N., and others. - Effect of the size of granule carrier on the macroscopic distribution of platinum in adsorption catalysts. p.628.

Meerson, L.A. - Diagrams of binary systems with associated components. p.634.

Libinson, G.S., Savitskaia, E.M., Bruns, B.P. - Kinetics of ion-exchange processes. Part 2. p.641.

Lozgachev, V.I. - Effusion method for vapor tension measurements. p.644.

Mokhnatkin, M.P. - Equilibrium and structure of thermodynamic surfaces. p.646.

Papulov, IU.G. - Interaction of paired atoms and the properties of X-substituted ethylenes. p.648.

Bugai, P.M., and others. - Effect of the type of aromatic amines (primary, secondary, and tertiary) and their o, m and p derivatives on the adsorption spectra. p.652.

Babin, E.P., Marshtupa, V.P. - Alkylation of benzene with propylene in the presence of $AlCl_3$ at 40°. p.656.

Kumok, V.N. - Behavior of electrolytes having a common ion with the solvent. p.658.

IArym-Agaev, N.L. - Thermodynamic properties of fused salt mixtures. Part 3. p.662.

Grafov, B.M., Chernenko, A.A. - Passage of direct current through a binary electrolyte solution (asymmetric electrolyte). p.664.

Ershler, A.B., Dzhaparidze, D.I., Teodoradze, G.A. - Shape of i-t curves in the region of polarographic maxima. p.666.

Selivanova, N.M., Leshchinskaia, Z.L., Strel'tsov, I.S. - Heat of formation of cadmium selenite. p.668.

Lutskii, A.E., Kochergina, L.A., Zadorozhnyi, B.A. - Intramolecular hydrogen bonding and the dipole moments of organic compounds. Part 1. p.671.

Egorov, B.N., Krylov, B.G. - Double melting of tristearin. p.675.

Arshakuni, R.G., Kolchin, A.M., Panchenkov, G.M. - Isotopic analysis of silicon with the aid of a mass spectrometer. p.677.

Emel'ianenko, G.A., Afanasenko, V.I. - Effect of temperature on the electrodeposition of chromium. p.680.

Bass, S.I., Zil'berbrandt, A.M., Berlin, A.A. - Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. Part 1. p.682.

Moiseev, B.M. - Nonisothermal determination of the kinetic parameters of a monomolecular reaction. p.685.

Rezukhina, T.N., Levitskii, V.A., Ozhegov, P. - Thermodynamic properties of iron aluminate. p.687.

Ulitskii, V.A., Stepukhovich, A.D. - Steric factors and rate constants of recombination reactions of allyl radicals. p.689.

Pugachev, IU.I., Rylov, V.S. - Separation of magnesium isotopes in vacuum distillation. p.691.

Riabukhin, IU.M. - Effect of convection on the transition time in chronopotentiometry. p.694.

Gorbachev, S.V., Aboimov, A.M. - Kinetics of electrochemical redox processes of some organic compounds in acetic acid at high temperatures. p.696.

Tulupov, V.A. - Homogeneous catalytic hydrogenation. Part 2. p.698.

Liashkevich, N.I. - Effect of the heat conduction of thermocouple leads on the accuracy of the cryoscopic analysis of small weighed portions. p.702.

Mairanovskii, V.G., IAnotovskii, M.TS. - Polarographic detection in gas-liquid chromatography. Part 1. p.705.

Kestner, A.I. - Nonpolar carrier for gas-liquid chromatography. p.707.

Barabanov, V.P. - Electrolytic purification of organic solvents by removing impurities and water. p.710.

Slinkin, A.A., Levi, G.I., Kiperman, S.L. - Calculation of the energy of bonds between the catalyst surface and the reacting atoms of organic molecules (on the article by V.Kh. Matiushenko "Theory of catalyst selection and the bond energy "). p.712.

Rusin, A.D., Tatevskii, V.M. - Heat of formation of the BO_2 radical. p.716.

Anikin, A.G. - Crystallization column. p.717.

Kolesov, V.P., Zenkov, I.D., Skuratov, S.M. - Standard enthalpies of formation of chlorotrifluoromethane and dichlorodifluoromethane. p.720.

c. MATHEMATICS

AKADEMIIA NAUK SSSR. Matematicheskii Institu
dy [ACADEMY OF SCIENCES OF THE U.S.S.
Mathematical Institute. Transactions]. Mosc
vol. 70, 1964. Kraevye zadachi matematichesk
fiziki; sbornik rabot [Collection of papers on b
value problems in mathematical physics], pt. 1

Table of contents translated:

Editor's foreword. p.3.

Golovkin, K.K. - Impossibility of certain inequ
between functional norms. p.5.

Golovkin, K.K. - Approximation of functions in
arbitrary norms. p.26.

Golovkin, K.K. - Imbedding theorems for fract
spaces. p.38.

Golovkin, K.K., Solonnikov, V.A. - Evaluation
integral operators in translational-invariant
p.47.

Ivanov, A.V. - Computation characteristics of
difference equations. p.59.

Oskolkov, A.P. - Hölder continuity of generaliz
solutions to a certain class of quasi-linear sy
tems. p.116.

Solonnikov, V.A. - A priori evaluations for sec
order parabolic equations. p.133.

Solonnikov, V.A. - Evaluations of solutions of a
nonstationary linearized system of Navier - S
equations. p.213.

Correction to vol.59 of papers of the Mathematic
Institute. p.318.

ISTORIKO-MATEMATICHESKIE ISSLEDOVANIIA [S
IN THE HISTORY OF MATHEMATICS]. Moscow
no.15, 1963.

Table of contents translated:

Editor's preface. p.7.

Gnedenko, B.V., and others. - Problems in the
history of mathematics in Russia and the U.S
and papers published in this field during 1956
1961. p.11.

Bashmakova, I.G. - Some problems in the histo
of ancient mathematics. p.37.

Zubov, V.P., Rozenfel'd, B.A., IUshkevich, A
Studies on the history of medieval mathemat
p.51.

Gnedenko, B.V., Rybnikov, K.A., Simonov, N.
Problems in the recent history of mathematic
p.73.

Dorofeeva, A.V. - Variational calculus in the se
half of the 19th century. p.99.

Paplauskas, A.B. - Summability and divergence
trigonometric series. p.129.

Medvedev, F.A. - Development of the concept of
the Stiltjes integral. p.171.

Kramar, F.D. - Calculus of vectors at the end o
18th and beginning of the 19th century. p.225

Kiselev, A.A., Ozhigova, E.P. - L.P.Chebyshe
appearances at conferences of Russian natura
scientists and physicians. p.291.

Dobrovol'skii, V.A. - D.A.Grave's work as a sc
tist and teacher; on the 100th anniversary of h
birth. p.319.

Thābit ibn Qurrah al-Harrānī. - A book on the th
that two lines drawn at angles less than two ri
angles are bound to intersect. p.363.

Abu al-Hasan Ali ibn Ahmad an-Nasawi. - What y
should know about Indian arithmetic. p.381.

Nasir al-Din al-Tusi. - A book on arithmetic wit
aid of a board and some dust. p.431.

Umar al-Hayyami. - First algebraic treatise. p

Rozenfel'd, B.A. - Letter to the editor. p.473.

Author index. p.474.

MATEMATICHESKII SBORNIK [MATHEMATICAL RE
VIEW]. Issued by Akademiia nauk SSSR and Mosk
skoe matematicheskoe obshchestvo [Academy of Sc
ences of the U.S.S.R. and the Moscow Mathematic
Society]. Moscow, vol.63(105), no.2, Feb.1964.

Table of contents translated:

Mints, R.M. - Analysis of certain fundamental ty
of complex equilibrium states in three-dimens
space. p.169.

Shashkin, IU.A. - Uniqueness and stability theor
of the inverse logarithmic potential method.
p.215.

Leont'ev, A.F. - Growth of functions defined by
Dirichlet series and some other more general
series. p.227.

Mikhailov, V.P. - First boundary value problem
a class of hypoelliptic equations. p.238.

Blinchevskii, V.S. - Determining the type of
Chaplygin solutions to the Cauchy problem for
quasi-linear first-order partial differential
equation. p.265.

Ushakov, V.I. - Topological groups with bicompa
classes of conjugate subgroups. p.277.

Kozlovtsev, S.G. - Structure of measurable functi
devoid of an asymptotic derivative. p.284.

Dragilev, A.V. - Nonlinear systems of the second
order. p.309.

Gusev, V.A. - Certain classes of quaternion mon
genic functions. p.321.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 3, May-June 1964.

*PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 28, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Blekhman, I.I. - The problem of the synchronization of dynamic systems. p. 193.
Nagaev, R.F. - Internal synchronization of almost identical dynamic systems under the action of weak linear bonds. p. 216.
Markhashov, L.M. - Group classification of algebraic equations according to the properties of their roots. p. 221.
Kirgetov, V.I. - Equations of motion for controlled mechanical systems. p. 232.
Andreev, V.D. - General equations of inertial navigation. p. 242.
Lur'e, K.A. - Optimum control of the conductivity of a fluid moving along a channel in a magnetic field. p. 258.
Busemann, Adolf. - Control of a lifting force in magnetohydrodynamics. p. 268.
Fal'kovich, S.V., Chernov, I.A. - Transonic gas flow past a solid of revolution. p. 280.
Kraiko, A.N. - Variational problems in gas dynamics of equilibrium and nonequilibrium flows. p. 285.
Filippov, I.G. - Theory of the diffraction of cylindrical elastic and weak shock waves. p. 296.
Filippov, A.F. - Diffraction of an arbitrary acoustic wave by a wedge. p. 305.
Monin, A.S. - Use of the perturbation theory in solving the turbulence problem. p. 319.
Barenblatt, G.I., Gorodtsov, V.A. - Structure of a field of microstrains in a developed plastic flow. p. 326.
Srubshchik, L.S. - Asymptotic integration of a system of nonlinear equations in the theory of plates. p. 335.
Aleksandrov, V.M., Vorovich, I.I. - Contact problems for a thin elastic layer. p. 350.
Prokopov, V.K. - P.F. Papkovich's general orthogonality relation for a rectangular plate. p. 351.
Bykovtsev, G.I. - Effects of Drucker's postulate for plastic anisotropic bodies. p. 356.
Bogolavlenskii, A.A. - Linear integral of the cyclic displacement of a solid body with inclusions of mobile masses. p. 360.
Klimov, D.M. - Stability of motion of an unperturbed physical pendulum. p. 364.
Kats, I.IA. - Stability in the large of stochastic systems. p. 366.
Iosiovich, I.V. - Problem concerning the optimum trajectories of rockets. p. 373.
Mil'shtein, G.N. - Reducing one class of optimum control problems to a simple variational problem. p. 375.
Malkapar, G.I. - Calculation of flow lines given the pressure distribution on the surface of a solid body. p. 381.
Gonor, A.L. - Minimum drag conical bodies in hypersonic gas flow. p. 383.
Chernyi, G.G. - Study on minimum drag bodies at high supersonic velocities. p. 387.
Dikii, L.A. - Stability of plane-parallel Couette flow. p. 389.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1963; no. 5, May 1964. Avtorskii ukazatel' za 1962 g. [Author Index for 1962].

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mathematics]. Moscow, no. 1(38), 1964.

Table of contents translated;

Belobrov, P.K. - Chernyshev's center of a set. p. 3.
Vainshtein, F.A. - Stressed state of an infinite orthotropic strip. p. 10.
Vislavskii, M.N. - Irreducible representations of finite metabelian p-groups. p. 14.
Voilokov, V.I. - Periodic solutions to nonlinear vibrational systems with one degree of freedom. p. 19.
Gokhman, A.V. - Geometrical interpretation of the motion of a mechanical system of variable mass. p. 28.
El'tsov, A.I. - Squarability of a Lebesgue-type ruled surface. p. 40.
Kagan, F.I. - Two-dimensional Finsler spaces admitting of singular embedding into a three-dimensional affine space with a vector metric. p. 46.
Kovantsov, N.I. - Theory of complexes in biaxial space. p. 56.
Kotliar, S.M. - Stressed state of an infinite strip. p. 69.
Lapteva, N.A. - Some properties of a four-dimensional simplex. p. 73.
Lesokhin, M.M. - Galois connections in systems with external multiplication. p. 84.
Livartovskii, I.V. - Generalization of Liapunov's second method. p. 87.
Petukhov, V.R. - A partial differential-functional equation. p. 96.
Rozenfel'd, B.A., Karpova, L.M. - Symmetric semi-Riemannian spaces. p. 100.
Skopets, Z.A. - Oblique mapping of a third-order double-point surface onto a plane. p. 117.
Tret'iakov, V.P. - Multiplication of double series, the partial sums of one of which are unlimited. p. 122.
Fal'kovich, S.V., Chernov, I.A. - Theory of self-similar transonic flows. p. 125.
Fomenko, S.V. - Zeroes of partial sums of Dirichlet series. p. 134.
Khrustalev, A.F. - Axisymmetric mixed problem in the theory of elasticity for a transversally isotropic cylinder. p. 139.
TSypkin, M.E. - Expressions for the measures of curvature and torsion of an unusual ruled surface. p. 144.
Chernyi, D.E. - Geometry of Lagrange's variational problem with a double integral in X_4. p. 153.
Ezrokhi, T.G. - A class of functions, univalent in the region $1 < |z| < \infty$. p. 166.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Beskin, L.N. - Analytic functions in a noncommutative operator base. p. 241.
Berkovich, IA.G. - Quasi-nilpotent groups. p. 249.
Borovkov, A.A. - Analysis of large deviations in boundary value problems with arbitrary boundaries. Part 1. p. 253.
Valeev, K.G. - Linear differential equations with delays linearly dependent on the argument. p. 290.
Gemintern, V.I. - Certain types of matrix rings. p. 310.
Livshits, A.Kh. - Category-theoretic bases of the duality of radicalness and semisimplicity. p. 319.
Liubich, IU.I. - Estimates for optimal determination of nondetermined autonomous automata. p. 337.
Pasynkov, B.A. - A class of mappings and the dimensionality of normal spaces. p. 356.
Povzner, A. - Theorem of existence in the large for a nonlinear system and the deficiency index of a linear operator. p. 377.
Tumarkin, G.TS. - Conditions for uniform convergence and for the convergence of boundary values of analytic and meromorphic functions with uniformly bounded characteristics. p. 387.
Ul'ianov, P.L. - Approximation of functions. p. 418.
Charin, V.S. - Certain classes of locally bicompact groups with maximum conditions for Abelian subgroups. p. 438.
Chan Van Khao [Ch'ang Wang Hao]. - Nil-groups of finite rank. p. 459.
Bovdi, A.A. - Cross products of a semigroup and a simple ring. p. 465.
Brodskii, V.M. - Eigenvectors of linear perfectly continuous operators defined in semiordered nonnormalized spaces. p. 468.
Garkavi, A.L. - Criterion of an element of best approximation. p. 472.
Reshetniak, IU.G. - Shortest lines on a Liapunov surface with a metric of finite curvature. p. 477.

UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Instytut matematiki Akademii nauk URSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 16, no. 1, 1964.

Table of contents translated;

Diumin, N.V. - A class of linear groups. p. 3.
Lykova, O.B. - Study of the solutions to a system of n + m nonlinear differential equations in the vicinity of an integral manifold. p. 13.
Petrina, D.IA. - Complex singular points of contributions from Feynman diagrams and the continuity theorem. p. 31.
Slobodeniuk, N.P. - Some limit theorems for additive functionals of a sequence of sums of independent random variables. p. 41.
Sharkovskii, A.N. - Coexistence of cycles of continuous mapping of a straight line into itself. p. 61.
Breus, K.A. - Some problems of unsteady inertial motion of an ideal fluid. p. 72.
Gokhberg, I.TS., Krein, M.G. - Criteri
completeness of a system of root vecto
compression. p. 78.
Gudivok, P.M., Drobotenko, V.S., Likh
Representations of finite groups over a
classes of subtractions modulo m. p.
Ermolaeva, E.N. - Curvature of curves
surface in points where no second deri
exist. p. 89.
Iosifescu, M., Theodorescu, R. - Prope
chains with complete bonds. p. 93.
Kats, G.I., Paliutkin, V.G. - Example o
group generated by Lie groups. p. 99.
Koromyslichenko, V.D. - Chebyshev appro
and the problem of moments. p. 105.
Kostin, A.V. - Single-valued solutions to
first-order differential equations and s
properties of real periodic solutions.
Kurpel', N.S. - Some approximate method
tion of nonlinear equations in a coordina
space. p. 115.
Red'ko, V.N. - Determining set of relatio
algebra of regular events. p. 120.
Sokolov, N.P. - Multidimensional determi
integral elements. p. 126.
Feshchenko, S.F., Shkil', N.I. - Estimatio
error incurred in the asymptotic represe
of solutions to a system of linear differen
equations containing a parameter. p. 132.
Ivaniuta, I.D. - Letter to the editor. p. 135.
Breus, K.A. - In memoriam Academician N.
Krylov. p. 136.

f. PHYSICS

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. I
fiziki. Trudy [ACADEMY OF SCIENCES OF T
GEORGIAN S.S.R. Institute of Physics. Trans
Tiflis, vol. 4, 1956.

Table of contents translated:

Khutsishvili, G.R. - Relaxation and orientation
clei. p. 3.
Mirianashvili, M.M. - Polarization of a vacuu
various mesonic fields. p. 97.
Sakvarelidze, I.I. - Study of the energy spectr
penetrating particles in extensive air showe
cosmic rays. p. 169.
Shadari, R.S. - Ionicity of the state of the syst
silicon-oxygen in quartz. p. 219.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia fizich
[ACADEMY OF SCIENCES OF THE U.S.S.R.
Physical Series]. Moscow, vol. 28, no. 3, Mar

Table of contents translated:

Vonsovskii, S.V., Iziumov, IU.A. - Theory o
sd-exchange interaction in transition metal
p. 406.
Kaplan, T. - Theory of the magnetic order. p
Vonsovskii, S.V., Svirskii, M.S. - Problem
coexistence of ferromagnetism and superco
tivity. p. 416.
Vlasov, K.B., and others. - The phenomenon
unidirectional anisotropy. p. 423.
Men', A.N., Cherepanov, V.I. - Energy spec
of paramagnetic impurity ions in ideal spin
p. 430.
Plakhtii, V.P., Mal'tsev, E.I., Kaminker, D.
Neutron diffraction examination of certain c
pounds with a perovskite structure. p. 436.
Puzei, I.M., Goman'kov, V.I., Loshmanov,
Neutron diffraction determination of atomic
netic moments in iron - nickel alloys contai
Mo, Si, and Cu. p. 440.
Goman'kov, V.I., Loshmanov, A.A. - Atomic
netic moments in iron - cobalt alloys. p. 4
Shirane, G. - Neutron diffraction examination
α-Fe_2O_3-type oxides. p. 446.
Poliakov, V.P. - Concentration dependence of
magnetic moment in certain solid solutions
spinel and perovskite structure. p. 447.
IUdin, V.M. - Weak ferromagnetism of BiFeO
p. 451.
Schlömann, E. - Intensification of spin waves
parametric excitation under transient condi
p. 454.
Gurevich, A.G., and others. - Anisotropy of
resonance curve width in yttrium garnet wi
earth impurities. p. 462.
Polivanov, K.M., Pollak, B.P. - Resonance c
teristics of a magnetically uniaxial polycrys
ferrite in a superhigh-frequency field. p. 4
Krinchik, G.S. - Magnetooptics of ferromagne
metals. p. 481.
Krinchik, G.S., Tiutneva, G.K. - Use of the
optical method in studying exchange and fer
magnetic resonances in ferrite-garnets. p.
Potapkov, N.A. - Theory of ferromagnetic re
p. 495
Frait, Z., Ondris, M. - Ferromagnetic reso
in thin iron films. p. 499.

Onoprienko, L.G., Shirlaeva, O.I., Shur, IA.S. - Ferromagnetic resonance in magnetically uniaxial single crystals, and the domain structure. p.501.
Kondorskii, E.I. - The Nernst - Ettingshausen effect in ferromagnetic metals and the degree of localization of magnetic electrons. p.507.
Kondorskii, E.I., Vasil'eva, R.P. - Degree of localization of magnetic electrons in ferromagnetic metals and alloys as disclosed by experimental studies of the Nernst - Ettingshausen effect. p.512.

Belov, K.P., and others. - Magnetoelastic properties of rare earth ferromagnetics. p.519.
Elkina, T.A., Koroleva, L.I. - Anomalous magnetic properties of certain ferrites of hexagonal structure. p.526.
Zavaritskii, N.V., Tsarev, V.A. - Saturation magnetization of ferromagnetics at helium temperatures. p.533.
Vinokurova, L.I., Kondorskii, E.I. - Effect of hydrostatic pressure on the degree of magnetization of rare earth metals. p.537.
Vol'kenshtein, N.V., Fedorov, G.V., Startsev, V.E. - Effect of the magnetic order on the electric and galvanomagnetic properties of rare earth metals. p.540.

Kirenskii, L.V., and others. - Characteristics of the domain structure of ferrites and its dynamics in rotating magnetic fields of variable intensity. p.545.
Shur, IA.S., and others. - Distribution of the density of magnetization intensity within ferromagnetic domains. p.553.
Kirenskii, L.V., and others. - Domain structure of ferromagnetic crystals, films, and whiskers and its variation under various influences. p.[illegible]
Ignatchenko, V.A., Zakharov, IU.V. - Effect of the dimensions of a ferromagnetic specimen [illegible] in the theory of domain structure. p.[illegible]
Telesnin, R.V., and others. - [illegible] tion and the domain structure of thin ferromagnetic films. p.573.

Krivonosova, L.G., Livshits, B.G. - Effect of deformation on the anisotropy of the [illegible] of iron silicide single crystals. p.[illegible]
Sannikov, D.G. - Theory of the effective mass of domain boundaries in ferromagnetic crystals. p.584.
Farztdinov, M.M. - Domain structure of antiferromagnetic materials with slight ferromagnetism. p.590.
Bol'shova, K.M. - Low-temperature [illegible] ing in Mn - Fe ferrites. p.595.
Wrzeciono, A. - Magnetocrystalline anisotropy of the intermetallic compound [illegible]. p.[illegible]
Bondarev, D.E. - Improvement of the magnetic characteristics of magnetically soft alloys by the admixture of [illegible]. p.[illegible]

Vol.28, no.4, Apr. 1964.

Table of contents translated

Smolenskii, G.A., Bokov, V.A., [illegible] - Coexistence of magnetic and electric ordering in crystals. p.614.
Khodakov, V.I. - Theoretical model of [illegible] type ferroelectrics. p.620.
Liubimov, V.N. - Phenomenological theory of electric and magnetic dipole structures. p.[illegible]
Venevtsev, IU.N., and others. - Calculation of internal electric fields and their gradients in perovskite compounds with specific dielectric properties. p.630.
Bogdanov, S.V., Kiseleva, K.V. - Dielectric properties of $SrTiO_3$, [illegible] solid solutions. p.636.
Krainik, N.N. - Antiferroelectricity in compounds with a perovskite structure. p.643.
Fritsberg, V.IA., [illegible] - Factors determining the character of ferroelectric phase transitions. p.649.
Isupov, V.A. - Explanation of certain properties of ferroelectrics with diffuse phase transitions. p.653.
Liubimov, V.N. - Spatial symmetry of electric and magnetic dipole structures. p.658.
Shuvalov, L.A. - Crystallophysical classification of ferroelectrics and its applications. p.660.
Sirota, N.N., Varikash, V.M., [illegible] - Change in X-ray scattering intensity in triglycine sulfate near the Curie point. p.664.
Fesenko, E.G., Filip'ev, V.S., Kuprianov, M.F. - Some aspects of the crystallochemistry of complex perovskites. p.669.
Ismailzade, I.G. - X-ray diffraction study of high-temperature phase transitions in the system $NaNbO_3$ - $NaTaO_3$. p.673.
[illegible], V.I., [illegible] - Ferroelectricity in SbSI and other compounds of elements of groups V, VI, and VII. p.681.
Venevtsev, IU.N., and others. - Some solid solutions on the basis of the ferroelectric-antiferromagnetic $BiFeO_3$. p.683.

[illegible], IA.IA. - Some factors affecting the Curie temperature of ferroelectrics with the structure of potassium tungsten bronze. p.691.
[illegible], V.S., Demeshina, A.I. - Temperature studies of the dielectric dispersion of polycrystalline $BaTiO_3$ and $SrTiO_3$ within a wide spectral range. p.[illegible]
Sannikov, D.G. - Theory of the oscillation of domain boundaries in ferroelectrics. p.701.
[illegible] - Dispersion of permittivity in ferroelectrics. p.708.
[illegible], M.M., Poplavko, IU.M. - Microwave study of the dispersion of permittivity in barium titanate type ferroelectrics. p.714.
[illegible] - Frequency dependence of the [illegible] in barium titanate. p.717.
[illegible], I.A. - Statistical phenomena due to [illegible] ferroelectrics. p.722.
[illegible]
[illegible] - Acoustic [illegible] of barium titanate single crystals [illegible] at high temperatures. p.731.
[illegible] - Nature of the [illegible] of ferroelectric triglycine sulfate. p.733.
[illegible] p.741.
[illegible] - Magnetic properties [illegible] single crystals and [illegible]. p.749.
[illegible] field. p.751.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, no.4, Apr. 1964.

Table of contents translated

[illegible] p.481.
[illegible]
[illegible] p.497.
[illegible]
[illegible] p.52[illegible]
[illegible]
[illegible] p.542.
[illegible] p.552.
[illegible] p.560.
[illegible] p.561.
[illegible] - Anomalous travel time of longitudinal waves on the eastern slope of the Central Urals. p.572.
[illegible] - Attenuation of body waves [illegible] as applied to earthquakes in Tajikistan. p.578.
[illegible] - Steady-state charge distribution in aerosols in a turbulent [illegible] atmosphere. p.579.
[illegible] - Space charge of the lower atmospheric layers. p.[illegible]
[illegible] - Rate of [illegible] of radioactive dust from the atmosphere. p.[illegible]
[illegible], V.M. - Continuous spectrum of nocturnal radiation and photometric observations of twilight emissions in the [OI] 5577 and 6300 [illegible]. p.[illegible]
[illegible] - Some results of studies on the natural vibrations of the ice fields of central Antarctica. p.613.
[illegible] - Characteristics of seismic [illegible]. p.[illegible]

AKADEMIIA NAUK URSR. Instytut geofizyky. Geofizicheskii sbornik [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute [illegible] Geophysical Papers]. Kiev, no.5(
[illegible] and methodology of geophysical stu

Table of contents trans

[illegible], G.IA. - Relation betwe points of the gravitational poten of the disturbing masses. p.3.
[illegible], O.D., and others. - [illegible] ating in obtaining a break down profile of the Donets Basin. p.
[illegible], I.A. - Solution of verse gravimetric problems gradients of the force of gravity steps. p.10.
[illegible], IU.G. - [illegible] in the Krivoy Rog part of Crystalline Shield as reflected emanation anomalies. p.33.
Starostenko, V.I. - Relation betwe cal derivatives of the gravity pote horizontal gradients of the force o
[illegible], A.A. - Interpretation of V three-dimensional bodies. p.41.
[illegible] - Analytic method for p.4[illegible]
[illegible], D.A. - Nomogram for calc coefficients of a four-point array arranged electrodes. p.50.
[illegible] - Depth of explora [illegible] electric profiling.
[illegible] - Use of [illegible] exploration.
[illegible] - Effect of surface [illegible] parameters. p.75.
[illegible] - Methodology of geo p.[illegible]
[illegible] - Use of geophysical [illegible] of the upper section of p.[illegible]
[illegible], Vrublevskii, I.Z. - longitudinal elastic waves in with liquids. p.93.
[illegible] - Use of models in dynamic characteristics of p.[illegible]
[illegible], and others. - [illegible] the internal structure within the eastern Ukraine,
[illegible], I.I. - Deformations in the the Carpathian trough. p.113.
[illegible], V.D., and others. - Interpre the crystalline basement in the of the [illegible] according t p.122.

*AKADEMIIA NAUK SSSR. Akusticheskii zhurnal [Acoustical Jo
[illegible] Moscow, vol.10, no

Table of contents translat

[illegible] - Measurements of the dy [illegible] of [illegible] insulating and [illegible] materials in the [illegible] of longitudinal
p.1.
[illegible], V.A., [illegible], V.I. - [illegible] waves in [illegible] p.1
[illegible], A.A., [illegible], V.A. - [illegible] static sensitivity of a three layer p.15
Andreeva, I.B. - Scattering of sound in deep scattering layers in the
[illegible] - Measurement of [illegible] using the interferometric method
[illegible], I.A., [illegible] - [illegible] ultrasonic Rayleigh waves on p.3[illegible]
[illegible], M.I., [illegible] - [illegible] the formation of gas bubbles in liquid under periodically varying
Glotov, V.P. - Calculating the [illegible] of the relaxation time of the magnesium sulfate in fresh and sea
[illegible] - [illegible] waves in plates by the oblique sound p.[illegible]
[illegible] - [illegible] for measuring velocities in liquids in the frequency p.[illegible]
[illegible] - Scattering waves by [illegible] as a plane
[illegible], V.I. - Generation of sound of gas jets. p.[illegible]
Lapin, A.D. - Scattering of sound of [illegible] p.71.
[illegible], I.M. - Theory of [illegible] elastic plates. p.81.
[illegible], D.I. - Propagation of sound inhomogeneous medium and internal p.[illegible]
[illegible], I.G., [illegible], V.A. - Absor [illegible] of ultrasonic fields in solids.

Ol'shevskii, V.V. - Correlation characteristics of sea reverberation. p. 104.
[illegible], M.E., Sergeeva, K.IA. - Role of ultrasonic cavitation in reducing the viscosity of [illegible] fluids. p. 111.
Belinskii, B.A., Nozdrev, V.F., Khabibullaev, P.K. - Absorption coefficient and rate of propagation of ultrasonic waves in binary mixtures of formic acid + ethyl formate. p. 112.
Brekhovskikh, L.M. - An asymptotic law governing wave propagation in natural wave guides. p. 114.
Viktorov, I.A. - Attenuation of ultrasonic surface Rayleigh waves. p. 116.
[illegible], R.P., Ilgunas, V.I., Jaronis, E.P. - [illegible] for ultrasonic velocity measurement. p. 115.
Zavadskii, V.IU. - Wave motion in an elastic inhomogeneous layered medium with a power law density variation and Lamé parameters. p. 119.
Zvereva, G.E., Kapustin, A.P. - Measurement of ultra-acoustic parameters in liquid-crystalline cholesterol caprinate. p. 122.
[illegible], I.I. - Visualization of vibrations in plates. p. 123.
Liamshev, L.M. - Integral representation of the field of a point source in a moving medium. p. 124.
V.V. Furduev; on his 60th birthday. p. 127.
Matskevich, A.M. - Fourth All-Union Conference on the use of ultrasound in mechanical engineering. p. 129.
[illegible], G. - Prof. G. Békésy visiting the U.S.S.R. p. 131.
Lysanov, IU.P. - Underwater accoustics; proceedings of an institute sponsored by the Scientific Affairs Committee of the North Atlantic Treaty Organization." p. 132.

ALMA-ATA. KAZAKHSKII NAUCHNO-ISSLEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT. Trudy [KAZAKH SCIENTIFIC RESEARCH HYDROMETEOROLOGICAL INSTITUTE. Transactions]. Leningrad, no. 20, 1963. Voprosy sinoptiki i meteorologii [Problems of synoptics and meteorology].

Table of contents translated:

[illegible], R.S., [illegible], T.A. - Conditions governing the origination of turbulence in the upper half of the troposphere. p. 3.
[illegible], I.A. - Synoptic and meteorological conditions governing the formation of high wind in the Dzungarian Gate. p. 31.
[illegible], E.A. - Some characteristics of the movement of baric formations. p. 45.
[illegible], M.Kh. - Characteristics of the conversion of large-scale processes and long-range weather forecasting for Kazakhstan. p. 48.
[illegible], M.Kh. - Weather and climate characteristics of the basic forms of circulation. p. 54.
[illegible], M.Kh. - Analysis and long-range forecasting of seasonal hydrometeorological phenomena based on the records of large-scale circulation epochs. p. 76.
[illegible], M.Kh. - Drought and solar activity. p. 87.
[illegible], M.Kh., Fadeeva, I.P. - Finding index numbers for standard processes of the atmospheric circulation. p. 93.
Fadeeva, I.P. - Planetary characteristics of seasonal large-scale processes. p. 96.
[illegible], M.M. - Study of the relationship between the freezing of Lake Balkhash and atmospheric processes during the preceding period. p. 100.
Chekeres, A.I. - Weather and summer grazing of sheep. p. 109.

CHEKHOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Chekhoslovatskaia akademiia nauk [Czechoslovak Academy of Sciences]. Prague, vol. 14, no. 6, 1934.

EESTI NSV TEADUSTE AKADEEMIA. Fuusika ja Astronoomia Instituut. Issledovaniia po fizike atmosfery [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Physics and Astronomy. Research on the Physics of the Atmosphere]. Tartu, no. 4, 1963.

*KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Belov, N.V., Neronova, N.N., Kuntsevich, T.S. - Drawings showing crystal structures in Shubnikov antisymmetry groups. p. 147.
Palistrant, A.F., Zamorzaev, A.M. - Symmetry groups and various kinds of antisymmetry of border ornaments. p. 155.
Vainshtein, B.K. - Contribution of orientation to the scattering intensity of molecular crystals. p. 162.
Dvoriankin, V.F. - Analytic representation of the integral characteristics of the distribution of electron density and potential in atoms. p. 167.
Kitaigorodskii, A.I. - Tensor of the derivative of the characteristic temperature based on deformations for a molecular crystal. p. 171.
Kitaigorodskii, A.I., Mirskaia, K.V. - Calculating the lattice energies of molecular crystals; surface cross sections of lattice energies. p. 174.
Kravchenko, V.B. - Crystalline structure of searlesite NaBSi$_2$O$_5$(OH)$_2$. p. 182.
Gladkova, V.F., Kondrashev, IU.D. - Crystalline structure of ZnSeO$_3$.2H$_2$O. p. 190.
Voronova, A.A., Vainshtein, B.K. - Electron diffraction study of the crystalline structure of PbCO$_3$PbO.2H$_2$O. p. 197.
Kuz'minov, IU.S. - Neutron diffraction examination of ferrites-garnets. p. 204.
Palatnik, L.S., Tananko, I.A., Bobro, IU.G. - Nature of the ε-phase in Fe - Al - C alloys. p. 209.
Tiapkin, IU.D., Gavrilova, A.V. - Anomalous X-ray scattering by microscopic single crystals in alloys. Initial stage of aging of the alloys nickel-beryllium and copper-beryllium. p. 213.
Fomin, V.G., and others. - Some structural characteristics of high alloy silicon single crystals. p. 219.
Fomin, V.G., and others. - Distribution of the alloying admixture of gold in germanium single crystals. p. 227.
Lemmlein, G.G., Kliia, M.O., Chernov, A.A. - Morphological study of synthetic diamond crystals. p. 231.
Sipovskii, D.P. - Early stages of crystal regeneration in solution, as exemplified by KAl(SO$_4$)$_2$.12H$_2$O, NaBrO$_3$, NaCl. p. 242.
Geguzin, IA.E., Solunskii, V.I., Kaganovskii, IU.S. - Mechanism and kinetics of the growth of negative crystals (pores) during interdiffusion in alkali metal halide single crystals of the system KCl - KBr. p. 248.
Garber, R.I., Stepina, E.I. - Secondary cleavage in calcite crystals. p. 255.
Berzina, I.G., Berman, I.B. - Spreading of dislocations in irradiated crystals. p. 260.
Smirnova, N.L. - Possible superstructures in multilayer tight packings. B-atoms have (a) 4 or 2; (b) 4 or 1 adjacent A-atoms. p. 265.
Protasov, V.S., Gladyshevskii, E.I. - Crystalline structure of the compound ScBe$_5$. p. 267.
Lashko, N.F., Morozova, G.I. - Crystalline structure of phases rich in magnesium in alloys of the systems magnesium-cerium and magnesium-neodymium. p. 269.
Mamedov, K.P., Nurieva, Z.D. - X-ray diffraction study of the kinetics of selenium crystallization. p. 271.
Matiushenko, N.N., Verkhorobin, L.F., Karev, V.N. - Strontium beryllide. p. 273.
Mokeeva, V.I. - Symmetry in β-uranophan. p. 275.
Rumanova, I.M., Popova, E.P. - Uklonskovite, a new mineral. p. 275.
Mokeeva, V.I. - Structure of sklodovskite. p. 277.
Kuz'ma, IU.B., Markiv, V.IA. - Crystalline structures of RIn$_3$ compounds in rare-earth metal - indium systems. p. 279.
Beliaev, I.N., Aver'ianova, L.N., Beliaeva, I.I. - New compounds with a pyrochlore structure. p. 280.
Kolontsova, E.V., Telegina, I.V. - Structural changes in pentaerythrite under X-irradiation. p. 282.
Datsenko, L.I., Skorokhod, M.IA. - Scanning of crystals in the case of anomalous passage of X rays. p. 284.
Glazyrin, M.P., Fotiev, A.A. - Optical properties of sodium vanadate crystals. p. 287.
Vesnin, IU.I. - Refractometric study of high-temperature phase transitions in AgNO$_3$ and Ag$_2$SO$_4$ crystals. p. 289.
Brandt, A.A., Shevchenko, V.IA. - Repolarization of triglycine sulfate crystals in linear periodic fields at frequencies of $10^2 - 10^{-5}$ cps. p. 292.
Filip'ev, V.S., Fesenko, E.G. - Structural changes and anomalies of electric properties in phase transitions in Pb$_2$CoWO$_6$. p. 293.
Kudzin, A.IU. - Effect of impurities on the properties of barium titanate. p. 295.
Kapustin, A.P., Larionova, L.S. - Behavior of anisotropic liquids in an electric field. p. 297.
Postnikov, V.V. - Role of the molecular composition of a stream of alloying elements in the production of germanium and silicon films under vacuum. p. 300.
Kasatkin, A.P. - Shock waves from centers of growth on the faces of tetrahedral and cubic NaBrO$_3$ crystals. p. 302.
Intushkin, G.V., Shabalin, K.N. - Speed of rotation of crystals and the characteristics of their growth. p. 306.
Beiziter, L.K., Vitol, I.K. - Conditions for growing thin single-crystal basis. p. 308.
Papirov, I.I., Tikhinskii, G.F. - Beryllium crystallization on a condensing column. p. 310.
Finkel', V.M., Kutkin, I.A. - Propagation of cracks in certain single crystals. p. 314.

*LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. No. 112, 1963. Pribory i metody meteorologicheskikh nabliudenii [Meteorological instruments and observation techniques].

Table of contents translated:

Fateev, N.P., Aleksandrov, V.S. - Use of piezoelectric converters in measuring meteorological elements. p. 3.
Persin, S.M. - Methods for increasing the precision of coding devices by automatic elimination of coding errors. p. 14.
Persin, S.M. - Principles of functional conversion of information using piecewise linear approximation of functions. p. 33.
Persin, S.M. - Functional coding converters using the principles of control of the pulse frequency. p. 5[illegible].
Bespalov, D.P. - Determining variations in the heat contents of the top surface layer. p. 74.
Kagan, R.L., Laikhtman, D.L. - Optimum snow surveying methods. p. 76.
Gandin, L.S., Kagan, R.L. - Accuracy of determining the mean value from discrete data. p. 87.
Svetlova, T.P. - Choosing the time interval between snow surveys on the territory controlled by the Northwestern Administration of the Hydrometeorological Service. p. 100.
Dunaeva, A.V. - Distribution of the snow cover on the territory controlled by the Northwestern Administration of the Hydrometeorological Service. p. 107.
Lebedeva, K.D., Sivkov, S.I. - Making allowance for the temperature dependence of the conversion factors of actinometric instruments. p. 110.
Chizhevskaia, M.P. - Use of data on direct radiation at Voeykovo in determining the characteristics of atmospheric transparency. p. 120.
Ogneva, T.A., Fan, A.A. - Possibilities for using gradient observations at network stations in determining the components of the heat balance of the active surface. p. 142.
Lazovskii, V.V. - Some data on systematic errors incurred in air temperature measurements. p. 1[illegible].
D'iachkova, T.V. - Performance of the M-54 apparatus. p. 169.
Berlin, I.A., Zanina, A.A., Egorova, A.IU. - Some characteristics of the diurnal variation of the air temperature and relative humidity on the territory of the U.S.S.R. p. 176.
IAstrebova, T.K. - Methodology of the calibration of electronic potentiometers used in recording the components of the radiation balance. p. 187.
Dubrovin, L.V. - Determining the lower cloud boundary (below 300m) from surface data. p. 191.
Smirnov, S.A. - Use of a calorimeter in measuring heat flows at Oazis Station. p. 199.
Ogneva, T.A. - Methodology of wind measurements over inland waters. p. 203.

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 2, Feb. 1964.

Table of contents translated:

Obukhov, A.M. - Adiabatic invariants of atmospheric processes. p. 3.
Bagrov, N.A. - Statistical methods of weather forecasting. p. 10.
Pagava, S.T. - Method of calculating the mean value of H_{500} for the trend of the natural synoptic period. p. 20.
Belinskii, N.A., Glagoleva, M.G. - Studying the short-period oscillations of the anomalies of cyclonic and anticyclonic activity. p. 27.
Kats, A.L., Kniazeva, V.I., Tokunova, A.I. - Objective forecasting of the mean value of H_{500} of the synoptic period. p. 32.
Zverev, N.I. - Analysis of the characteristics of zonal circulation. p. 36.
Zhigalov, I.I. - Losses of runoff resulting from snow water from drainage basins. p. 40.
Turketti, Z.L. - Some problems of the synoptic method of long-range weather forecasting. p. 42.
Khrgian, A.Kh. - 13th General Assembly of the International Union of Geodesy and Geophysics in Berkeley (U.S.A.). p. 49.
Ovsiannikov, A.N. - Transfer of a fine current-conducting cable of remote oceanographic devices through the wave-breaking zone. p. 54.
Plakatina, F.I. - Graphic method of the control of observations on soil temperature. p. 55.
Beliaev, B.N., Boldyrev, V.S., Fortus, M.I. - IU.M. Alekhin's book "Statistical forecasts in geophysics." p. 56.
Literature on meteorology in 1963. p. 58.
Ernst Teodorovich Krenkel'; on his 60th birthday and his 40th anniversary as an industrial researcher. p. 62.
In the Main Administration of the Hydrometeorological Service. p. 63.
Conferences, meetings, seminars. p. 63.
In the institutes of the Hydrometeorological Service. p. 64.

No. 4, Apr. 1964.

Table of contents translated:

Krasnopevtsev, IU.V. - Transfer of radioactive aerosols in the troposphere from the Northern Hemisphere to the Southern Hemisphere. p. 3.
Budyko, M.I., Efimova, N.A. - Variation in the radiational factors of the heat budget of the earth's surface. p. 9.
Popov, I.V. - Hydrologic and morphologic fundamentals of the theory of river bed evolution and their use in planning for purposes of hydraulic engineering. p. 16.
Parshin, V.N. - Computational method for the construction of the functions of the distribution of stream flow probabilities in the zone of deficient moisture. p. 25.
Zamorskii, A.D. - Intercontinental transfer of dust by jet stream. p. 33.
Mantserskikh, M.A. - Origin of the gravity wind on the glacial slope in Antarctica. p. 35.
Dmitrieva, IU.N., Chapygina, N.M. - Selection of analogues using machines. p. 36.
Litovchenko, A.F. - Catastrophic mudflow inundation on the Issyk River. p. 39.
Girs, A.A. - Creation of a unified classification of macrosynoptic processes in the Northern Hemisphere. p. 43.
Dubentsov, V.R., Baltaeva, T.F., Minina, L.S. - Characteristics of the atmospheric circulation and weather of 1963 in the Northern Hemisphere. p. 49.
Kondrat'ev, K.IA. - Atlas of the heat balance of the globe. p. 54.
N.S. - New books. p. 57.
Literature on meteorology and hydrology during 1963. p. 59.
Khoren Petrovich Pogosian on his 60th birthday. p. 61.
In the Main Administration of the Hydrometeorological Service. p. 62.
Conferences, meetings, seminars. p. 63.
Abroad. p. 64.

MOSCOW. INZHENERNO-FIZICHESKII INSTITUT. Uskoriteli [INSTITUTE OF ENGINEERING PHYSICS. Accelerators], Moscow, no. 4, 1962.

Table of contents translated.

Val'dner, O.A., Koroza, V.I., Shal'nov, A.V. - Deep controllability of energy in linear electron accelerators-bunchers. p. 5.
Val'dner, O.A., Koroza, V.I., Shal'nov, A.V. - Use of modulable magnetrons as a power source for linear electron accelerators. p. 7.
Gavrilova, R.K., Milovanov, O.S., Sobenin, N.P. - Experimental data on the band characteristics of a round iris wave guide of constant phase velocity. p. 12.
Gavrilova, R.K., and others. - Band characteristics of a wave-guide buncher in a linear electron accelerator. p. 20.
Gasa, V.F. - Injector - buncher for a linear electron accelerator. p. 29.
Gryzlov, A.V., Zverev, B.V., Sobenin, N.P. - Parametric curves for determining the frequency deviations when changing the dimensions of a round iris wave guide. p. 40.
Zverev, B.V., Sobenin, N.P., Shchedrin, I.S. - Parametrization of the dispersion curve of a round iris wave guide. Part 1. p. 52.
Gryzlov, A.V., Sobenin, N.P. - Parametrization of the dispersion curve of a round iris wave guide. Part 2. p. 70.
Milovanov, O.S. - Band characteristics of a high-frequency channel in a linear electron accelerator. p. 78.
Milovanov, O.S., Shal'nov, A.V. - Determining the stability of a magnetron with a frequency-dependent load of the type of a high-frequency channel in a linear electron accelerator. p. 86.
Milovanov, O.S., Shal'nov, A.V. - Frequency drift of a magnetron loaded with a high-frequency channel in a linear electron accelerator. p. 93.
Morozova, I.G. - Ion source with electron oscillating in a magnetic field. p. 101.
Sobenin, N.P., Shal'nov, A.V. - Dependence of the output electron energy on the tolerances allowed in the dimensions of the wave guide in a linear accelerator. p. 103.
Shallarova, E.L., Cherevatenko, G.A. - Radiation protection near particle accelerators. p. 111.
Tragov, A.G. - Calculating the dispersion characteristics of iris wave guides. p. 127.
Tragov, A.G. - Calculating the intensity of the accelerating field in an iris wave guide. p. 147.

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions]. No. 127, 1963. Voprosy sezonnykh prognozov pogody [Problems of seasonal weather forecasting].

Table of contents translated:

Pagava, S.T., Zakharova, N.M., Sevalkina, N.A. - Improving some aspects of the method of composing seasonal weather forecasts. p. 3.
Zakharova, N.M., Pagava, S.T. - Results of testing the calculation method of the AT_{500} map for the tendency of the following natural synoptic period. p. 31.
Ped', D.A., Babkin, A.V. - Forecasting the anomalies of air temperature in July and August for the European territory of the U.S.S.R. p. 39.
Mikhailova, L.I. - Forecasting the anomalies of surface air temperature for a season and a month. p. 57.
Babkin, A.V., Ped', D.A. - Characteristics of similarity in natural synoptic periods. p. 76.
Artem'ev, M.A. - Forecasting the anomalies of the monthly amount of precipitation during the cold semiannual period in the European territory of the U.S.S.R. p. 84.
Ped', D.A. - Statistical method for improving the forecasting of the anomalies of the mean monthly air temperature. p. 98.
Shkarova, V.P. - Present status of changes in the troposphere during the natural synoptic seasons over Europe and the north of the Atlantic Ocean. p. 101.
Voronov, V.I. - Possibility of the application of quantitative criteria for the evaluation of similarity in atmospheric processes when forecasting the sequence of their development during the month. p. 120.
Chistiakova, M.A., Ped', D.A. - Intensive cold and heat waves over the European territory of the U.S.S.R. p. 137.

MOSCOW. UNIVERSITET. Vestnik. Seriia 3: Fizika, astronomiia [UNIVERSITY. Review. Series 3: Physics, Astronomy]. Vol. 19, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Morgunov, B.I. - Motion of charged particles in a magnetic field. p. 5.
[illegible], F.A. - Some properties of [illegible] quadratic forms [illegible]. p. 8.
Ivanenko, I.V., Akhmerova, N.M. - Effect of the [illegible] polar components of a binary [illegible] on the development of molecular [illegible]. p. 18.
[illegible], V.P. - Oscillations of [illegible] with delayed feedback. p. 27.
[illegible], A.K., [illegible] - Calculating the [illegible] of the so-called [illegible]. p. 32.
Aleksandrov, I.A., [illegible], [illegible] - [illegible] for a nonlinear [illegible] system. p. 41.
[illegible] - Accuracy of determining the [illegible] function of a [illegible]. p. 57.
[illegible] - On the [illegible] of a gravitational field. p. 59.
[illegible], V.D., [illegible] - Compact color [illegible]. p. 64.
Aleksandrov, A.A. - Theory of the Hall effect in ferromagnetics. p. 67.
[illegible], A.B. - Ring current [illegible] by a [illegible] cylinder. p. 75.
[illegible], V.M. - Nonlinear boundary value problem of forecasting the atmospheric pressure field for a bounded space. p. 79.
[illegible], Cherednikova, L.A., [illegible] - Electric resistance of film type and solid gadolinium specimens in the temperature range 2° - 300°K. p. 82.
[illegible], N.N., and others. - Setup for measuring the cross sections and angular distributions of photonuclear reaction products. p. 85.

* OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY], issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 16, no. 4, Apr. 1964.

Table of contents translated:

Egorov, V.A. - Hyperfine structure of the atomic spectrum and nuclear moments in the [illegible] isotope. p. 543.
Korolev, F.A., Odintsov, V.I., Fursova, E.V. - Determining the transition probability for the λ 736 Å neon resonance line. p. [illegible].
[illegible], G.G. - Effect of a radial change in a spectral line contour on the integral characteristics of nonuniform light sources. p. 553.
[illegible], V.N. - Use of the f-function method in calculating the optical absorption cross sections in the electron bands of high-temperature diatomic molecules. p. 562.

Krainov, E.P., Prokof'eva, N.I., Sverdlov,
Calculation and interpretation of the vibrat
spectra of naphthalene. p. 567.
IAkovleva, T.V., Shakhtakhtinskii, M.D., Petrov,
Vibrational spectra and the structure of
compounds. Part 9. p. 573.
Vatulev, V.N., Sheremet, N.I., Shpak, M.T.
Luminescence of benzene at low temperatur
p. 577.
Ermolaev, V.L., Sveshnikov, B.IA. - Use of
singlet transfer in studying the internal de
of electron energy in organic molecules. p
Rebane, K.K. - Theory of the interaction betw
transitions in the electron shell and
impurity and the vibrations of a crystal. p
Kaplianskii, A.A. - Piezospectroscopic exam
of noncubic centers in cubic crystals. p. 6
Prikhot'ko, A.F., Soskin, M.S., Tomashchik
Measurement of the absorption spectra of
deformed naphthalene crystals. p. 615.
Kaplianskii, A.A., Moskvin, N.A., Feofilov,
Study of the electric and magnetic vectors in
luminescence spectra of alkaline earth fluo
activated with hexavalent uranium. p. 619
Arkhangel'skaia, V.A. - Thermoluminescence
activated CaF_2, SrF_2, and BaF_2 single crys
Part 1. p. 626.
Gorban', I.S., Timofeev, V.B. - Recent data
spectra of colored LiF crystals. p. 630
Vlasenko, N.A., Romanenko, V.F. - Electrol
rescence of CdS single crystals. p. 633.
Vereshchagin, I.K. - Temperature dependence
electroluminescence of medium intensity. p
Shalimova, K.V., Morozova, N.K. - Diffuse r
tion spectra of zinc sulfide powders of vario
crystalline modifications. p. 639.
[illegible], S.F., Mikhelashvili, M.S., [illegible],
Radioluminescence of organic substances
p. 654.
Podgaetskii, V.M., Chernets, A.N., [illegible],
O.G. - Some characteristics of a ruby laser
two reflecting prisms. p. 674.
Antonov, N.A., Epifanov, M.V. - Shape of the
pulse emitted by a flash lamp. p. 677
[illegible], V.Z. - Estimating the intensity of
luminous flux from cones of elliptic reflect
p. 684.
[illegible], A.P., Zimkina, T.M., [illegible], I.A.
Vacuum spectrometer with a gold-coated diff
tion grating for studying X-ray spectra in the
length region over 15 Å. p. 690.
[illegible], A.S. - Theory of luminescence spec
ing. p. 695.
Shishlovskii, V.I. - Comments on A.M. Samson's
"[illegible] of luminescence solutions by
substances." p. 696.
Samson, A.M. - Reply to V.I. Shishlovskii and A.
[illegible]. p. 697.
[illegible], A.V., [illegible], G.D. - Effect
molecular and vibrational interactions on
absorption bands in ultraviolet. p. 700.
Anan'ev, IU.A., [illegible], V.A. - Diffraction
pumping radiation density in a laser crystal.
p. 702.
Ermolaev, V.L. - Width of luminescence
Stokes' losses in transitions from the
and phosphorescence levels of aromatic
p. 704.
[illegible], A.I. - Field of a light wave
an electron in the self-consistent field
p. 705.
[illegible], F.I., and others. - [illegible]
film-type electroluminescent capacitors. p.
[illegible], L.A. - Dependence of the
width of spectral lines on the intensity
of the exciting radiation. p. 709.
[illegible], A.A., and others. - Measurement of
reflection coefficients. p. 712.
Baranov, R.I., [illegible], K.I., Sharai, S.G.
Afterglow of ruby crystals following irradiat
strong light pulses. p. 713
Gribov, L.A. - Simple method for calculating
metric coefficients in the theory of vibrational
polyatomic molecules. p. 714.

* PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRU
AND EXPERIMENTAL TECHNIQUES], issued by
Akademiia nauk SSSR [Academy of Sciences of
U.S.S.R.]. Moscow, vol. 9, no. 2, Mar.-Apr. 19

Table of contents translated:

Karpov, IU.A., Kozlov, E.I., Talovskii, O.N.,
Cold-cathode magnetic discharge pumps;
p. 5.
Shirin, V.V. - External injection in an electro
cyclic accelerator. p. 17.
Demirkhanov, R.A., and others. - Heavy-curr
hydrogen ion injector. p. 19.
Petrukhin, V.I., Prokoshkin, IU.D., Sorokin,
Liquid-hydrogen target made from polyfoam
p. 23.

Afaras'ev, N.G., and others. - Use of a double-focusing magnetic spectrometer in recording a wide section of an electron spectrum. p.24.

[illegible], N.P., Konstantinov, I.O. - Neutron polarimeter. p.23.

[illegible], V.G., Khan'tanov, L.P., Blyskavka, A.A. - Analyzing the characteristics of many-rotor mechanical neutron choppers. p.36.

[illegible], B.G., Mostovoi, IU.A., Obiniakov, B.A. - Errors incurred in Schimm's method for evaluating the degree of polarization of a beam of slow neutrons. p.39.

[illegible], P.D., and others. - Universal apparatus for neutron diffraction structural analysis. p.43.

[illegible], IU.A., and others. - Hydrodynamics of bubble chambers. p.45.

[illegible], G.S., and others. - Study on spark counters having an extensive "memory." p.50.

[illegible], V.N., and others. - Exact paths of sparks along the tracks of the particle in a spark counter. p.57

[illegible], V.I., and others. - Vacuum dispersion chamber for studying reactions between charged particles. p.61.

Akopova, A.B. - Spurious scattering in nuclear emulsions following ultrasonic treatment. p.64.

Alikhazov, G.D., and others. - Simple circuit of the counting unit for a slow-acting multichannel analyzer. p.69.

Dekabrun, L.L., Kil'ianov, IU.N. - Generation of linear scanning of long duration. p.72.

Kibal'chich, G.A., Grinchenko, IU.A., Sulyga, V.A. - The IR-1 energy resolution meter. p.76.

Kachas, E.V. - Stability of the parameters of a selective low-frequency amplifier. p.79.

Mishin, G.P. - Automatic control of phantastron delay circuits. p.82.

Teplova, A.P. - Selective amplifier of weak signals. p.84.

Chapovskii, M.Z. - Stable transistor amplifier. p.87.

Shvetsov, V.I. - Differential amplifier for measuring slight attenuations. p.90.

Malyko, L.IA., and others. - High-speed phasemeter in the 8 mm. range. p.93.

Brus, IU.M., Men', A.V., Bazelian, L.L. - Measuring the parameters of multiunit antennas. p.96.

Glazov, A.A., Onishchenko, L.M. - Apparatus for reproducing the shape of current pulses. p.100.

Burgov, N.A., Kiselev, IU.T., Ushakov, V.I. - High-voltage pulse generators for spark counters. p.104.

Barantsev, V.S., Kaliatskii, I.I., Klein, R.E. - Mobile 300kw. 10 cps. voltage pulse generator. p.106.

Subbotin, B.V., IAkovlev, V.I. - Cold-cathode tube commutator having a wide range of switching speeds. p.109.

Skorodeniuk, G.I. - Coaxial switch in the decimeter band operating on diodes with nonlinear capacitance. p.111.

Baranov, I.A. - Radiation damages in surface-barrier silicon counters irradiated by 5.5 Mev. alpha-particles. p.113.

Perepelka, V.A. - Use of gas scintillators in studying short X-ray pulses. p.116.

Chernobai, A.V., Kolesnikov, L.N. - Scintillators from tin-containing plastics. p.120.

Averina, A.P., and others. - Omegatron mass-spectrometer for analyzing residual gases in high-vacuum systems. p.121.

Makov, B.N., Elizarov, L.I., Dmitriev, E.A. - Methodology of measuring the dissociation cross sections of fast H_2^+ ions passing through gaseous targets. p.126.

Zubkov, V.I. - Device for automatic switching of a mass spectrometer. p.127.

Khristoforov, V.A. - Experience gained in the use of thermomanometric tubes. p.129.

Kovtun, G.P., Kruglykh, A.A., Pavlov, V.S. - Electron gun for determining the evaporation rate of nonvolatile materials. p.130.

Lebedev, V.N. - Widening the use of the paired light pulse method in studying the time-dependent characteristics of photomultipliers. p.133.

Anan'ev, IU.A. - Efficiency of elliptic cylinders in the illuminating systems of lasers. p.135.

Zhukov, A.G., Rukman, G.I. - Thermal conditions of a heat receiver in recording the radiation from weakly heated bodies. p.138.

Kuvaldin, E.V. - Digital pulse photometer. p.141.

Borisov, A.IU., Mokhova, E.N. - Spectrophotometer for recording slight absorption differences. p.145.

Kashtan, M.S., Khlopina, T.N. - Pressure chamber for a Fabry - Perot interferometer. p.148.

Abaev, M.I., Kornfel'd, M.I. - Measuring the internal friction in solids. p.150.

Abaev, M.I. - Device for measuring the normal mode and damping constants of oscillatory systems. p.153.

Feigin, L.A., Mirenskii, A.V., Shnyrev, G.D. - Precession camera for photographing the reciprocal lattice. p.156.

Fomin, V.G., Gurevich, M.A., Sonkina, E.M. - Modernized RKSO camera for diffraction microradiography. p.160.

Kiselev, IU.T., Ushakov, V.I. - Cemented spark counters. p.163.

Babenko, N.P., Konstantinov, I.O., Nemilov, IU.A. - High-pressure gas scintillation counter. p.164.

Malykhin, V.M. - Estimated operating precision of a background subtraction circuit. p.167.

Grigorov, G., Papadopulov, Zh. - Use of the pulse feeding method in counter dead time measurements. p.168.

Shushkevich, S.S., Protasevich, M.Z. - Transfer of data from an AI-100 analyzer onto a recorder. p.170.

Filippov, V.V. - Elimination of self-excitation in UIS-II type amplifiers. p.171.

Bolotnikov, A.A., Finkel'shtein, IA.B. - CO_2 production for the isotopic analysis of C^{12}/C^{13}. p.172.

Selianinov, IU.E., Khomich, K.V. - Simple method for improving the high vacuum in MI-1305 mass spectrometers. p.174.

Strunin, V.P., Frankevich, E.L. - Method for producing glass and quartz diaphragms for flow type systems of mass spectrometers. p.175.

Fomin, V.G., and others. - Scanning camera for studying dislocations. p.176.

Boichenko, B.L. - Ohmic contacts to n-silicon. p.177.

Mekhtiev, R.F., Osmanov, E.O., Rud', IU.V. - Apparatus for producing single crystals of semiconducting compounds. p.179.

Lazareva, L.V. - Magnetic suspension of superconductors. p.181.

Bil'diukevich, A.L. - Low-temperature measuring resonator for electron paramagnetic resonance studies at a wavelength of 0.8 cm. p.185.

Zabiiakin, G.I. - Symposium on Nuclear Radio Electronics. p.188.

Precision quartz calibrator PK-32. p.191.

Standard compensation type pulse voltmeter OKV-5a. p.192.

High-voltage pulse generator with nanosecond front duration. p.192.

PROBLEMY FIZIKI ATMOSFERY [PROBLEMS OF THE PHYSICS OF THE ATMOSPHERE]. Issued by Leningradskii gosudarstvennyi universitet [Leningrad State University]. Leningrad, no. 2, 1963.

Table of contents translated:

Kondrat'ev, K.IA., Niilisk, Kh.IU. - Thermal radiation from the 9.6 μ absorption band of ozone in the atmosphere. p.3.

Kondrat'ev, K.IA., Niilisk, Kh.IU. - Heat radiation of carbon dioxide in the atmosphere. p.28.

Kondrat'ev, K.IA., IAkushevskaia, K.E. - Spectral distribution of drifting radiation. p.48.

Kondrat'ev, K.IA., and others. - Spectral distribution of shortwave radiation. p.67.

Kondrat'ev, K.IA., and others. - Infrared absorption spectrum of liquid water. p.87.

Badinov, I.IA., Gal'tsev, A.P., Nikol'skii, G.A. - Spectroscopic method for the integral determination of the water vapor in a column of the atmosphere. p.113.

Kachurin, L.G. - Disturbance of the colloidal stability of supercooled clouds by supersaturated steam. p.127.

Kiriukhin, B.V., Morachevskii, V.G., Orlova, M.N. - Evaporation rate of droplets of aqueous solutions of surface-active agents. p.142.

Morachevskii, V.G., Shiniaev, B.M. - Experimental determination of the evaporation coefficient of aqueous solutions of surface-active agents. p.151.

Kiriukhin, B.V., Liubchenko, V.V. - Growth of hailstones allowing for the structure of vertical velocities in clouds. p.155.

Kiriukhin, B.V., Kurzner, A.B. - Determining the critical size of water droplets and solutions of surface-active agents when sputtered. p.163.

Gaidan, E.N., and others. - Dispersion velocity of simulated fogs and variations in their microphysical properties. p.172.

Aitsybeeva, A.I., Golubev, V.P., Morachevskii, V.G. - Equilibrium elasticity of steam over a solution of surface-active agents. p.187.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962]

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963]

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4, Mar.-Apr. 1964.

SREDNEAZIATSKII NAUCHNO-ISSLEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT. Trudy [CENTRAL ASIA HYDROMETEOROLOGICAL RESEARCH INSTITUTE. Transactions]. Leningrad, no. 8(23), 1963. Voprosy regional'noi sinoptiki Srednei Azii [Problems of regional synoptic forecasting in Central Asia].

Table of contents translated:

Sapronova, N.P. - Greater precision in the forecasting of continuous rainfall in the Tashkent region in cold seasons. p.3.

Dzhuraev, A.D. - Relationship between precipitation and the height of the lower boundary of clouds. p.12.

Sutiagin, A.D. - Climatic characteristics of summer precipitation in the northern regions of Kirghizia. p.17.

Grigor'eva, A.S. - Aerosynoptic conditions governing the floods of the rivers of the northern slope of the Kirghiz Range, July 15-16, 1958. p.34.

Mukminova, A.G. - Moisture circulation over Central Asia in the spring months. p.44.

Khanadeev, A.E. - Some characteristics of air moisture and cloudiness in the central Tien Shan. p.50.

Sofiev, E.I. - Analysis of a case of wave clouds over Tashkent. p.59.

Burkova, M.V. - Reasons for the heavy bumping of a TU-104b airplane March 13, 1961 on the route from Tashkent to Tiflis. p.66.

Medvedeva, I.F. - Horizontal temperature gradients over the western Tien Shan. p.77.

Kirik, L.L. - Synoptic conditions governing the development and discontinuance of wave activity over Central Asia. p.83.

Ivanova, S.N. - Existence of the climatic pressure crest over the east of Central Asia. p.94.

Kozik, S.M. - Effect of drifting snow over inclined surfaces on the wind force. p.100.

Gruza, G.V. - Diurnal variations of the wind velocity in the Mirnyy region. p.105.

IUrasova, V.N., Koshenko, A.M., Bezuglova, V.A. - "Garmsil's" in Turkmenia. p.109.

Gruza, G.V. - Graphic method for the approximate estimation of correlation coefficients. p.125.

Gruza, G.V. - Nomogram for the evaluation of the success of forecasts by the coefficient of correlation. p.127.

Kozik, S.M. - Evaluation of forecasts, forecasting methods and the quality of the work of a forecaster. p.131.

*TEPLOFIZIKA VYSOKIKH TEMPERATUR [THERMOPHYSICS OF HIGH TEMPERATURES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 1, no. 2, Sep.-Oct. 1963.

Table of contents translated:

Balbuz, V.F. - Molecular interaction and thermodynamic properties of gases at high temperatures. p.161.

Timrot, D.L., Poletskii, V.E. - Use of electronic heating in determining the heat conductivity coefficient of high-melting alloys and compounds. p.168.

Shpil'rain, E.E., IAkimovich, K.A. - Experimental setup for studying the density of liquid metals. p.173.

Voskresenskii, V.IU. - Erroneous method of excluding the true temperature in studying the degree of blackness of materials. p.177.

Vukalovich, M.P., Altunin, V.V. - Thermophysical properties of carbon dioxide. Part 1: Second virial coefficient. p.182.

Makavetskas, R.A., Popov, V.N., TSederberg, N.V. - Experimental study of the viscosity of helium and nitrogen. p.191.

Grechikhin, L.I. - Determining the concentration of charged particles and neutral atoms from the self-reversed contours of spectral lines in a plasma. p.198.

Nastoiashchii, A.F. - Vector admittance and stability of an ionized gas. p.203.

Samuilov, E.V. - Determination of the thermodynamic properties and composition of gaseous mixtures at high temperatures. p.212.

Kudriavtsev, E.M., and others. - Determining the matrix element of the dipole moment of the electron transition in the violet system of cyanogen bands. Part 2. p.218.

Petukhov, B.S., Popov, V.N. - Theoretical calculation of the heat transfer and frictional resistance in the laminar flow in tubes of an incompressible fluid with variable physical properties. p.228.

Subbotin, V.I., Minashin, V.E., Deniskin, E.I. - Heat transfer in transverse flow past a bank of tubes. p.238.

Genin, L.G. - Calculating the fluid and wall temperatures during flow in tubes with allowance for axial heat conduction. p.247.

Kirillov, V.V., Maliugin, Iu.S. - Local heat transfer during gas flow in tubes at high temperature heads. p.774.

Onatskii, A.P., Glushchenko, L.F. - Hydraulic resistance in surface boiling of water in annular channels. p.780.

Shitsman, M.E. - Deterioration of heat transfer conditions at supercritical pressures. p.787.

Antonov, [illegible], Bogatov, [illegible] - Stationary theory of a thermal explosion. p.238.

Kutateladze, S.S., Leont'ev, A.I. - Thermal screen in a turbulent boundary layer of gas. p.241.

Merzhanov, [illegible], Makhalin, [illegible] - Nonsteady state temperature field in multilayer systems. p.251.

Lebedev, V.I., Iakovlev, [illegible], Kos'mina, [illegible] - Thermoelectric stability of thermocouples from certain tungsten-rhenium alloys at high temperatures. p.[illegible]

Kogan, A.V. - Method for calculating the precision of optical pyrometers. p.[illegible]

Starodubtsev, [illegible], Kachorovskii, [illegible], Dyakonov, N.A. - Methods for [illegible] perfect single crystals of refractory metals. p.310.

Zaitsev, [illegible] - Growing [illegible] single crystals of refractory metals by [illegible] electron heating. p.315.

Pavlov, [illegible], Artemenkov, [illegible] - Heat capacity of tantalum at high temperatures. p.116.

Fillipov, [illegible], et al. - Experimental setup for studying heat transfer [illegible] p.119.

[illegible] - [illegible] Academy of Sciences [illegible] p.124.

Kolesov, [illegible] - [illegible] p.127.

Bibliography. p.128.

(Physics only)

*[illegible] [illegible], vol. [illegible], no. [illegible], [illegible]

Table of contents translated:

[illegible] - [illegible] p.3.

[illegible] - [illegible] p.44.

[illegible] - [illegible] p.[illegible]

[illegible] - [illegible] p.[illegible]

[illegible] - [illegible] p.22.

[illegible] - [illegible] p.33.

[illegible] - [illegible] p.47.

[illegible] - [illegible] p.52.

[illegible] - [illegible] p.58.

*PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRUMENTS AND EXPERIMENTAL TECHNIQUES], issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. [illegible], no. 4, [illegible], 1964.

Table of contents translated:

[illegible], [illegible], and others. - [illegible] p.141.

[illegible] - Light scattering as a method for studying polymers. p.[illegible]

[illegible], [illegible], [illegible] - Methods of separation of high-energy particles. p.[illegible]

[illegible] - [illegible] (translated from the English). p.[illegible]

[illegible] - [illegible] for scientific purposes. p.760.

[illegible] - High-frequency radiation detector for [illegible] demonstrations. p.771.

Frank-Kamenetskii, D.A. - "Physics of shock waves and high-temperature hydrodynamic phenomena" by Ia. B. Zel'dovich and Iu. P. Raizer. p.772.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS], issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 46, no. 3, Mar. 1964.

Table of contents translated:

[illegible], [illegible], [illegible] - Nonlinear temperature dependence of the ferromagnetic transformation of two binary alloys under all-round pressure. p.321.

[illegible], V.A., [illegible] - Mössbauer effect on Sn^{119} nuclei in gold, platinum, and thallium matrices. p.329.

Lazarev, B.G., and others. - Specific effect of impurities on the temperature of a superconducting junction in thallium. p.829.

D'iakov, I.G., and others. - Critical magnetic fields in superconducting niobium films. p.831.

Latypov, Z.Z., Kupriianov, S.E., Tunitskii, N.N. - Ionizing collisions of electrons with ions and atoms. p.833.

Bulatova, R.F., Kogan, V.S. - Temperature dependence of isotopic effects in the structural properties of hydrogen isotopes. p.840.

Babidze, R.A., Tsakadze, Dzh.S., Chanishvili, G.V. - Shifting of the λ-point in rotating liquid helium. p.843.

Huang, K., Low, F.E. - The renormalization group method and high-energy scattering. p.845.

Toptygin, I.N. - Theory of bremsstrahlung and pair production in a medium. p.851.

Solovskii, G.V. - Nonadiabatic transitions in slow collisions of heavy particles. p.863.

Kadyshevskii, V.G. - Relativistic equation for the S-matrix in the p-representation. Part 2. Perturbation theory. p.872.

Gurevich, L.E., Gel'mont, B.L. - Hydroelectromagnetic waves in a weakly inhomogeneous plasma. p.884.

[illegible], B.V., Ioffe, B.L. - Restrictions on the cross section magnitude of the reaction $e^+ + e^- \to \mu^+ + \mu^-$ due to the analyticity condition. p.902.

[illegible], B.L. - Analytic properties of Green's function and the mass operator. p.905.

Gogadze, G.A., [illegible], F.L., Kulik, I.O. - Absorption oscillations of a cold radiation current from metals in a magnetic field. p.913.

[illegible], B.M., Kiselev, V.S., Sabirov, V.I. - Energy dependence of phase shifts in nucleon-nucleon scattering in the 23-26 Mev. energy range. p.926.

[illegible], A.V., Ponomarenko, B.B. - Amplitudes and shapes of strata. p.936.

Azbel', M.Ia. - Energy spectrum of conductivity electrons in a magnetic field. p.939.

Markov, M.A. - Interaction of particles with spins and the Regge poles. p.947.

[illegible], L.A., Mikhailovich, I.I. - Averaged [illegible] equations and their steady-state solutions. p.964.

[illegible], [illegible], [illegible], I.I. - Regge poles and [illegible] low-energy reactions. Part 1. p.976.

Kirzhnits, D.A. - Regge trajectories in the Bethe-Salpeter equation. p.985.

[illegible], A.Z., [illegible], V.I. - Second order phase transition in a Bose field. p.991.

[illegible], D.M. - Resonance charge exchange in slow collisions. p.1017.

[illegible], V.I., [illegible], V.N., [illegible] - Average value for the interaction cross section of two heavy particles in the [illegible] approximation. p.1023.

Shelepin, L.A. - Symmetry of Clebsch-Gordan coefficients. p.1032.

Meiman, N.N. - Asymptotic equality of the difference between cross sections for particles and antiparticles. p.1039.

[illegible], V.I., [illegible], I.V. - Minimal interaction between fields with spins 0, 1/2, and 1. p.1049.

[illegible], [illegible], [illegible], G.M. - Characteristic [illegible] phenomenon in ferromagnetic metals. p.1059.

[illegible], V.M., [illegible], V.V. - Effect of quantum absorption on the bremsstrahlung of ultrarelativistic electrons. p.1066.

Azhgirei, L.S., and others. - Further refinement of phase shift values in pp-scattering at 657 Mev. p.1074.

Logunov, A.A., and others. - Asymptotic relations between cross sections in local field theory. p.1079.

Bunkin, F.V., Prokhorov, A.M. - Excitation and ionization of atoms in a strong radiation field. p.1090.

Bilen'kii, S.M., Nguyen Van Hieu, Ryndin, R.M. - Asymptotic relations between polarizations in crossed reactions. p.1098.

[illegible], E.A., [illegible], V.G. - Electromagnetic waves in metals with an arbitrary electron dispersion law. p.1105.

[illegible], L.N. - Maximum efficiency of the conversion of radiant energy into mechanical energy. p.1117.

[illegible], D.G., Chernikova, D.M. - Fourth sound in a $He^3 + He^4$ solution. p.1121.

Demkov, Iu.N. - Detachment of electrons in slow collisions between negative ions and atoms. p.1126.

[illegible], E.D. - Photoprotons from Li^6. p.1136.

Grigor'ev, E.P. - Half-decay period of Tb^{157}. p.1138.

[illegible], M.V., [illegible], Iu.M., Protopopov, A.N. - Angular and energy characteristics of the emission of U^{235} fission neutrons. p.1139.

Lishchner, V.A., Pavlovskii, P.A. - Measuring the tracking capacity of particles in a spark chamber. p.1143.

Buchel'nikova, N.S. - "Universal" instability in a potassium plasma. p.1147.

Vinokurova, L.I., Kondorskii, E.I. - Effect of all-round pressure on the magnetization intensity of Ho and Er in the antiferromagnetic region. p.1149.

Borovik-Romanov, A.S., Prozorova, L.A. - Threshold resonance saturation in antiferromagnetic $MnCO_3$. p.1151.

Anisovich, V.V., Dakhno, L.G. - Determining the nature of low-energy interaction between π-mesons from the reactions $p + d \to He_3 + 2\pi$ and $\pi + N \to N + 2\pi$. p.1153.

14. MEDICINE

a. GENERAL

*AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow, Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal], Moscow, vol.18, no.2, 1963.

Table of contents translated:

Khlebnikov, N.I. - Problem of the concept "healthy soil." p.3.

Kandror, I.S., Soltyskii, E.I. - Functional state and morbidity of the population in the process of acclimatization to the Far North. p.12.

Shustrulobata, L.N. - Disorders in higher nervous activity and control of these disorders in mental fatigue in school children. p.26.

Minkh, A.A. - Highly ionized air as a factor in increasing physical work capacity. p.33.

Shakhbazian, G.Kh., Savitskii, I.V. - Combined action of thiol poisons and high atmospheric temperature on the body. p.38.

Grombakh, S.M. - Principles of medical control of polytechnical training. p.43.

Lavrinna, K.I. - Hygienic problems in the construction of new types of schools. p.49.

Gorev, N.N. - Basic stages in the development of Soviet gerontology. p.54.

Fedel'-Osipova, B.I. - Some biomorphological regularities in the aging of the skeletal muscles. p.60.

Frol'kis, V.V. - Neurohumoral regulation of function in the aging of the body. p.70.

Kostiuk, I.V. - Experimental myocardial infarct in animals of various ages. p.77.

Bremener, S.M., and others. - Use of vitamin B_1 and B_{12} in compound treatment of stomach and duodenal ulcer. p.85.

Shmidt, E.V. - Second Soviet-Rumanian scientific session devoted to vascular diseases of the brain. p.88.

Mogilevchik, Z.K. - Review of A.A.Minkh's book "Methods of hygienic research." p.93.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe, Institut kraevoi meditsiny. Trudy [ACADEMY OF SCIENCES OF THE TADZHIK S.S.R. Institute of Endemic Medicine. Transactions]. Dushanbe, no. 1, 1962. Aktual'nye voprosy patologii pecheni [Current problems in the pathology of the liver].

Table of contents translated:

Preface. p.5.

Mansurov, Kh.Kh. - Progressive forms of cirrhosis of the liver. p.9.

Mansurova, I.D. - Modern views on the biochemistry of active cirrhosis of the liver. p.26.

Kulchak, S.N. - Dynamics of morphological and some histochemical changes in the liver in acute and prolonged forms of Botkin's disease according to data of intravital needle biopsy of the liver. p.43.

Mansurova, I.D., Kitaeva, K.F. - Histochemical study of the alkaline phosphatase activity in the liver tissue of patients with hepatitis and cirrhosis. p.57.

Rubin, D.G. - Clinicofunctional and morphological characteristics of Botkin's epidemic hepatitis in connection with the characteristics of its course. p.73.

Mansurova, I.D., Dronova, V.I., Parazenko, M.S. - Lipo- and glycoproteins of the blood serum in various variants of the course of Botkin's disease in comparison with liver function tests and morphological changes in the liver. p.87.

Lopatina, L.A. - Study of glutamic-oxalacetic transaminase in Botkin's disease, chronic hepatitis and cirrhosis of the liver. p.109.

Aminov, A.I. - Cholinesterase activity of the serum and intravital morphological changes in the liver tissue in chronic lesions of the liver. p.118.

Amirdzhanov, B.A. - Correlation of the indices of serum proteins with clinical symptoms and data on morphological changes in the liver in some of its lesions. p.130.

Mansurov, Kh.Kh., Desiatov, A.B. - Pathogenesis of intrahepatic portal hypertension in cirrhosis of the liver. p.153.

Sergeev, Iu.V., Antonovich, V.I., Chernov, R.I. - Portal pressure in acute experimental lesion of the liver. p.164.

Denisov, A. B., Kostin, V. S. - State of portal pressure in some diseases of the liver. p. 178.

Fursova, E. P. - Diagnostic significance of determining portal blood flow in various lesions of the liver. p. 194.

Serebriakov, V. A. - Role of the alimentary factor in the etiology of chronic diseases of the liver. p. 208.

Eltsen, E. F. - Effectiveness of vitamin B_{12} therapy in patients with acute and chronic lesions of the liver:

Report no. 1. Results of treatment under control of intravital histological studies of the liver in Botkin's disease. p. 217.

Report no. 2. Results of treatment under control of intravital histological studies of the liver in chronic hepatitis and cirrhosis of the liver. p. 225.

Khodi-Zade, M. Kh. - Prednisolone treatment of patients with hepatitis and cirrhosis under control of intravital morphological studies of the liver. p. 231.

Mansurov, Kh. Kh., Staviskii, IA. D., Rudoi, D. G. - Needle biopsy of the liver; method, indications and contraindications. p. 248.

Makarevich, IA. A. - Clinicobiochemical parallels with data on intravital biopsy of the liver in chronic ulcerative and nonulcerative colites. p. 261.

Bobokhodzhaev, I. IA. - Primary cancer of the liver. p. 271.

(DNLM)

ARCHANGEL. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EPIDEMIOLOGII, MIKROBIOLOGII I GIGIENY. Sbornik nauchnykh rabot [SCIENTIFIC RESEARCH INSTITUTE OF EPIDEMIOLOGY, MICROBIOLOGY, AND HYGIENE. Papers]. No. 4, 1960.

Table of contents translated:

Kheifets, L. B., Kolobova, L. V., Falevskaia, E. A. - Clinical and epidemiological characteristics of salmonella infections in Archangel. p. 3.

Kolobova, L. V., Skroznikova, A. V. - Characteristics of the cultures of Salmonella isolated in Archangel in 1957-1958. p. 11.

Kolobova, L. V., and others. - Food poisoning caused by Gaertner's bacillus. p. 19.

Esipova, R. V., and others. - Etiology of acute intestinal diseases of young children in Archangel. p. 21.

Vakhrameeva, L. P. - Outbreak of colienteritis among breast-fed children caused by an enteropathogenic strain of Escherichia coli of the serotype O-111 B_4. p. 28.

Guseva, L. P. - Treatment of experimental typhoid fever in white mice with syntomycin. p. 33.

Guseva, L. P. - Effect of syntomycin on immunogenesis. p. 37.

IAidygina, Z. S., and others. - Role of Lamblia and helminths in the etiology of acute intestinal diseases of young children in Archangel. p. 42.

Gol'zand, Z. L., and others. - Study of the reactogenicity of the combined whooping cough and diphtherial vaccine. p. 49.

Lidina, P. V., Pestova, L. I. - Epidemiology and etiology of influenza in Archangel. p. 57.

Khudovekov, F. P. - Poliomyelitis in Archangel Province. Report No. 1: Incidence of poliomyelitis in Archangel Province. p. 66.

Alfer'eva, M. IA., Popov, G. V. - Treatment of chinga with a specific diplococcal serum. Report No. 4. p. 72.

Nikotin, N. N., Otsing, A. D. - Dust content and bacterial contamination of air in Archangel. Report No. 2. p. 77.

Aleksandrov, V. N. - Vitamin A provision for man in the Arctic regions. p. 89.

Spevak, F. I. - Vibrios in the water of the Kola Gulf. p. 93.

DUSHANBE. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 61, 1963. Voprosy klinicheskoi psikhiatrii; sbornik rabot Kafedry psikhiatrii [Problems of clinical psychiatry; collection of works of the Department of Psychiatry], no. 2.

Table of contents translated:

Guliamov, M. G. - State of psychiatric aid to the population of Tajikistan. p. 7.

Levinson, A. IA. - Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 1: Role of exogenic injuries in the course of maniacal and melancholic variants. p. 15.

Levinson, A. IA. - Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 2: Affective pathology in psychoses of the maniacal and melancholic variants of circular schizophrenia. p. 27.

Levinson, A. IA. - Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 3: Remission in two variants of circular schizophrenia. p. 34.

Guliamov, M. G. - Clinical aspect and psychopathology of protracted and chronic alcoholic hallucinations following a course with the syndrome of psychic automatism. p. 45.

Guliamov, M. G. - Clinical aspect and psychopathology of influenzal psychoses proceeding with the syndrome of psychic automatism. p. 60.

Umarov, S. E. - One atypical hallucinative phenomenon in acute alcoholic psychoses. p. 79.

Mstislavskaia, L. S., IAkovleva, L. P. - Treatment of psychoses with pronounced affective disorders by means of nozinan. p. 89.

Tadzhibaeva, M. M., Shtein, P. I. - Psychotic recrudescence in the course of the circular form of schizophrenia during the puerperal period. p. 107.

(DNLM)

GORKIY. GOR'KOVSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Sbornik trudov [GORKIY STATE MEDICAL INSTITUTE. Papers]. No. 15, 1963. Serdtse pri neiroendokrinnykh narusheniiakh [The heart in neuroendocrine disorders].

Table of contents translated:

Vogralik, V. G. - Heart in neuroendocrine disorders. p. 3.

Levenkov, N. V. - Heart in neuroses. p. 23.

Efimov, A. S. - Heart and goiter. p. 57.

Kardakov, IU. I., Aizen, G. S., Sal'tseva, M. T. - Thyrotoxic heart. p. 93.

Kamysheva, E. P., Aizen, G. S., Parokhoniak, Z. M. - Heart in diabetes mellitus. p. 121.

Lur'e, R. G., Aisen, G. S., Parakhoniak, Z. M. - Heart during a pathological climacteric in women. p. 145.

(DNLM)

IVANOVO. IVANOVSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Sbornik nauchnykh trudov [IVANOVO STATE MEDICAL INSTITUTE. Papers]. No. 25, 1962. Problema: fiziologiia i patologiia pishchevareniia i pecheni [Problem of the physiology and pathology of digestion and of the liver].

Table of contents translated:

Krotkova, N. A. - Intraorganic lymphatic system of the human stomach in polyposis. p. 7.

Samoilov, G. A. - Relations between the lymphatic system of the stomach and the different sections of the large intestine in children. p. 12.

Oleneva, E. N. - Some data on collateral efferent lymph flow from the rectum. p. 17.

Onopchenko, N. V. - Comparative characteristics of morphological changes in the lungs and the intestines during their simultaneous infection by tuberculosis. p. 22.

Serebrenikov, S. S. - Effect of strong pain stimuli on intestinal secretion in experimental hypoxia. p. 29.

Romanov, IA. M. - Functional disorders of the small intestine in experimental stomach ulcers. p. 35.

Vazin, A. N. - Effect of different stimuli of intestinal secretion on the enzymic activity of the contents of the small human intestine. p. 39.

Vazin, A. N., Barteneva, M. N. - Comparative data on the enzymic activity of the intestinal juice and excrement in experimental stomach ulcers in dogs. p. 49.

Guseva, G. K. - State of the secretory function of the stomach in sluggish recurrent rheumatic carditis. p. 54.

Aleksinskaia, L. A. - Dynamics of the secretory function of the stomach during the reflex and neurochemical phase in peptic ulcers. p. 59.

Ganzhulevich, T. F. - Intestinal invagination in children. p. 64.

Vosovich, V. A. - Critical evaluation of anesthetic methods in acute appendicitis operations. p. 70.

Vosovich, V. A. - Sources of diagnostic errors in acute appendicitis in outpatients. p. 79.

Zubynina, A. V. - Classification and the clinical aspects of cicatricial pyloric stenosis. p. 86.

Fomicheva, V. M. - Pathomorphological changes in the gastric nervous system due to polypous and cancerous lesions. p. 92.

IUshkova, A. A. - Dynamics of some indicators of the reactivity of the organism in diseases of the liver and the bile ducts depending on the seriousness of the disease and the treatment used. p. 96.

Valova, I. I. - Changes in some liver functions in relation to the treatment with the Sosnevskiy mineral water. p. 102.

Zalomova, O. V. - Development and duration of the preservation of drug-resistant forms of Escherichia coli in prolonged use of streptomycin. p. 105.

Smirnov, S. G. - Oxidation-reduction properties of enteropathogenic Escherichia coli. p. 111.

Sukharev, V. M. - Some diagnostic problems of Botkin's disease. p. 116.

Sukharev, V. M. - Some epidemiological problems of Botkin's disease. p. 123.

Nechaeva, R. V. - Some clinical and laboratory indices of Botkin's disease in children. p. 130.

Chunaeva, E. I. - Clinical characteristics of colienteritis in children. p. 136.

Chunaeva, E. I. - Effectiveness of colimycin in the treatment of children with colienteritis. p. 142.

Kuznetsova, D. IA. - Clinical and etiological characteristics of gastrointestinal diseases according to data of the diagnostic intestinal department for adults for the past five years (from 1955 through 1959). Report No. 1. p. 149.

Kuznetsova, D. IA. - Characteristics of food poisoning according to data of the diagnostic intestinal department for adults. p. 156.

Reznichenko, A. M. - Changes in the capillaries in different clinical forms of Botkin's disease. p. 163.

Filosofova, M. S., Konokotina, S. A. - Changes in the functions of some internal organs in children with an ascarid invasion and the dynamics of the restoration of normal functions following deworming depending on the treatment used. p. 170.

(DNLM)

KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL]. Organ of Ministerstvo zdravookhraneniia Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A. S. S. R. and the Council of Medical Societies]. Kazan, no. 6, Nov.-Dec. 1962.

Table of contents translated:

Neimark, I. I. - Surgical treatment of goiter. p. 3.

Akhtiamova, Z. S. - Experience in surgery of the thyroid gland. p. 7.

Birman, A. S. - Immediate complications following an operation in connection with toxic goiter. p. 9.

Cheremukhin, L. F., Rusonik, M. E., Palagin, E. M. - Asphyxia and its prevention in strumectomy. p. 13.

Kamardin, L. N. - Surgical treatment of recurrent goiter. p. 14.

Dormidontov, E. N. - Remote clinicoballistocardiographic observations on patients with thyrotoxicosis after surgical and conservative treatment. p. 16.

Danovskii, L. V. - Some problems in the clinical picture of endemic goiter in the Leninogorsk District of the Tatar A. S. S. R. p. 17.

Pushkarev, N. I. - Calcification and ossification in goiters. p. 19.

Razumovskii, IU. K. - Morphology of the thyroid gland in the population of the southeastern part of the Tatar A. S. S. R. p. 20.

Novskii, B. N. - X-ray diagnosis of foreign bodies in the esophagus. p. 21.

Baryshnikov, A. I. - Clinicoanatomical basis for the use of simple methods in inguinal herniotomy. p. 25.

Tychinkina, A. K. - Characteristics of plastic surgery for skin defects on the surface of the foot. p. 27.

Sherputovskaia, K. E. - Morphological changes in the skin of a free flap transplanted to the face. p. 29.

Gubergrits, A. IA. - Combined pharmacotherapy of peptic ulcer with consideration to its complications in other areas of the digestive system. p. 31.

El'shtein, N. V. - Some new aspects of the diagnosis and treatment of lambliasis. p. 35.

Ass, I. D. - Clinical aspects and treatment of the hepatic form of lambliasis in children. p. 36.

Kudriavtseva, N. P., Zaikonnikova, I. V., Afonskaia, L. S. - Effectiveness of new phosphorus organic substances in the treatment of diphtheria. p. 41.

Ebert, L. IA., Brisker, A. D., Rabkina, S. A. - Data on the use of dibazol for the prevention of influenza in children's collectives during the 1962 epidemic. p. 44.

Fevraleva, G. V. - Electrophoretic examination of the proteins and lipids in the blood serum in parturients and newborn infants and their importance in toxicoses. p. 45.

Kozachenko, V. P. - Etiology of early and late postpartum hemorrhages. p. 47.

Maslovskaia, O. V. - Experimental basis for novocaine therapy in threatened abortion. p. 48.

Sadykov, D. G. - The M. L. Vydrin open method of managment of the umbilical stump. p. 50.

Voitik, V. F., Gurovich, L. I. - Experience in the use of cholelithin. p. 51.

Ekisenina, N. I. - Effect of acidophilus milk and some antibiotics on the intensity of the saprogenic processes in the intestines determined from indicanuria data. p. 53.

Lebedev, A. P. - Spontaneous rupture of a cystic kidney with degenerative changes. p. 55.

Fel'dman, Kh. I., Preis, G. R., Drach, G. S. - Meckel's diverticulum and intestinal invagination. p. 57.

Grinberg, S. A. - Homolateral symptoms in brain tumors. p. 58.

Kaplun, V. M. - Errors in the diagnosis of extrauterine pregnancy. p. 59.

Zenchenko, IU. I. - Abdominal pregnancy. p. 61.

Sonkin, A. S. - Combined ovarian and uterine pregnancy. p. 62.

Slepov, M. I. - Ovarian pregnancy. p. 63.

Sloushch, Z. A. - Botyroid sarcoma of the vagina in a two-year-old girl. p. 63.

Konovalov, E. F. - Spontaneous rupture of the uterus in early pregnancy. p. 65.

Golubovskii, I.E., Kamchatnov, V.P. - Disorders of liver functions in workers with methylene chloride and methanol in connection with sanitary-hygienic inspection of their working conditions. p.66.

Nazarkin, N.IA. - Experience in the organization of obstetric acid in the Bol'shiye Berezniki District of the Mordvinian A.S.S.R. p.67.

Abukova, R.A. - Angina morbidity from data of the First Polyclinic of Kazan. p.68.

Sherstennikov, N.A. - Meeting of physicians graduating from the medical department of Kazan University in 1922. p.70.

Conference of physicians of the city of Kazan concerning the results of the Eighth International Cancer Research Congress. p.72.

Krinitskii, IA.M. - Conference on osteoarticular tuberculosis in the Urals and Volga Valley. p.90.

Stepanov, P.S. - Discussion. p.92.

Index of articles for 1962. p.93.

Index of authors for 1962. p.102.

KLINICHESKAIA MEDITSINA [CLINICAL MEDICINE]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.44, nos.3,5,8,10-12, Mar., May, Aug., Oct.-Dec. 1963; vol.45, nos.1-2,4, Jan.-Feb., Apr. 1964.

(DNLM)

LENINGRAD. GOSUDARSTVENNYI INSTITUT USOVERSHENSTVOVANIIA VRACHEI. Nauchnye trudy [STATE INSTITUTE FOR POSTGRADUATE TRAINING OF PHYSICIANS. Studies]. No.12, 1957. Trudy Kafedry kozhnykh i venericheskikh boleznei [Transactions of the department of skin and venereal diseases].

Table of contents translated:

Kozhevnikov, N.V. - New comprehension of the pathogenesis of eczema based on Soviet physiology. p.3.

Nikitin, F.N. - Skin galvanic reflexes in the dynamics of the development of eczematous reactions. p.16.

Vasil'eva, L.I. - Rate of desquamation of the horny layer of affected and obviously normal skin in some skin diseases. p.41.

P'iankova, Z.P. - Results of the treatment and some general reactions of the body following local use of tar preparations in eczematous diseases. p.60.

Potapova, S.N. - Treatment of yeast paronychias and onychias with zinc sulfate electrophoresis. p.86.

Nikitin, F.N. - Problem of correlations between diseases of internal organs and exzematous reactions. p.101.

Chubarova, A.S. - Dynamics of the development and resolution of the plaque in psoriasis. p.110.

Kozhevnikov, P.V. - Dispensary service for skin disease patients. p.116.

Chubarova, A.S., Kocharova, L.I. - Dissertations on skin and venereal diseases before the Great October Revolution. p.120.

Index of dissertations. p.137.

*MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.8, no.5, May 1963.

Table of contents translated:

Kolesnikova, G.S. - Study of the state of mast cells in the tumor bed and pelvic cellular tissue in preoperative radiotherapy of cancer of the cervix uteri. p.3.

Savchenko, E.D., Khrushchov, M.M. - Histological changes in radiotherapy of neglected forms of rectal cancer. p.9.

Merkova, M.A., Omel'ianenko, L.M., Klimenko, A.A. - Possibilities of gamma-therapy of pituitary tumors. p.17.

Volodarskaia, S.M. - Effect of the intraperitoneal administration of radioactive colloidal gold on the nucleus size of tumor cells in Ehrlich's ascitic carcinoma. p.20.

Kuznetsova, E.K. - External pancreatic secretions in response to humoral stimuli in acute radiation sickness. p.23.

Saksonov, P.P., Fakhrutdinov, G.F. - Data on the toxicology of radioactive iodine. p.29.

Kiselev, P.N., Sivertseva, V.N. - Changes in the capacity of tissues of irradiated animals to destroy microbial toxins. p.33.

Volkov, A.A., and others. - Radiation load of medical personnel working with Au^{198} granules in a neuro-oncological clinic. p.39.

Golikov, A.P. - Incorporation of $4C^{14}$ labeled cholesterol into lipoprotein fractions of the blood serum in atherosclerosis. p.44.

IArtsev, E.I. - Sr^{90} deposition and distribution in the teeth of dogs. p.47.

Mashkov, I.P. - Organization of work procedures in radiological departments. p.50.

Moiseitsev, P.I. - Hygienic standardization in the design, construction and operation of electron accelerators. p.54.

Kolesnikov, B.P. - Determination of residual lung volume using radioactive isotopes of xenon. p.59.

Liapidevskii, V.K., Mil'shtein, R.S. - Roentgenometer determining radiation quality. p.62.

Filatov, A.I. - Gas-discharge radiation counters for the diagnosis of tumors in cavities and tissues. p.65.

Egorova, M.S. - Methods of using IFKB cassettes in beta-dosimetry. p.70.

Bova, L.S. - Effect of ionizing radiation on the stability of the hemoglobin of preserved blood. p.75.

Goriunova, A.G. - Dynamics of lysozyme titer changes in guinea pigs under the action of ionizing radiation. p.77.

Stashkov, A.M., Korotkova, V.P. - Protection and therapeutic effect of the synergistic combination of effective substances on the outcome of radiation sickness in animals. p.79.

Shlevkov, B.A. - Study of the motor-evacuatory function of the stomach using radioactive isotopes. p.83.

Mandel'tsvaig, IU.B. - Third Oncological Conference and The Fourth Conference of Roentgenologists and Radiologists of the Moldavian S.S.R. p.89.

(DNLM)

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol.8, no.5, May 1964. Razdel [Section] 2, vol.8, nos.5-6, May-June 1964. Razdel [Section] 3, vol.8, no.6, June 1964. Razdel [Section] 4, vol.8, no.5, May 1964. Razdel [Section] 5, vol.8, no.5, May 1964. Razdel [Section] 6, vol.8, no.5, may 1964. Razdel [Section] 7, vol.8, no.5, May 1964. Razdel [Section] 9, vol.8, no.5, May 1964. Razdel [Section] 11, vol.8, no.5, May 1964. Razdel [Section] 12, vol.8, no.5, May 1964. Razdel [Section] 13, vol.8, no.5, May 1964.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia and Akademiia nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos.4-5,7,11-12, Apr.-May, July, Nov.-Dec. 1962; nos.1-2, 8-9, 11-12, Jan.-Feb., Aug.-Sept., Nov.-Dec. 1963; nos.1-3, Jan.-Mar. 1964.

MOSCOW. TSENTRAL'NYI INSTITUT USOVERSHENSTVOVANIIA VRACHEI. Trudy [CENTRAL INSTITUTE FOR POSTGRADUATE TRAINING OF PHYSICIANS. Transactions]. Vol.64, 1963. Voprosy stomatologii i cheliustno-litsevoi khirurgii [Problems in stomatology and maxillofacial surgery].

Table of contents translated:

Preface. p.3.

Vinogradova, T.F., Kop'eva, I.A. - Organizing and conducting planned sanitation of the oral cavity in schoolchildren. p.4.

Lipatova, L.S. - Role of rational nutrition of children of school age in the prevention of dental caries. p.11.

Pomerantseva, A.M. - Treatment of radicular cysts with iodine preparations. p.17.

Vinogradov, T.F. - Treatment of periodontitis of the permanent teeth in children. p.21.

Ivanov, V.S. - Comparative evaluation of some modern single-treatment methods of treating periodontitis. p.27.

Vinogradova, T.F., Urbanskaia, Z.N. - Treatment of traumatic injuries to the teeth in children. p.33.

Pomerantseva, A.M. - Papillon-Lefèvre syndrome and its significance in the diagnosis of parodontopathies. p.39.

Ivanov, V.S. - Age changes in the gasserian ganglion in man. p.42.

Pomerantseva, A.M. - Experience in treating polymorphic erythema exudativum with chondroitinsulfuric acid. p.52.

Petrov, V.A. - Clinical aspects and treatment of glossalgia with plasmol. p.56.

Sheftel', M.P. - Flattened Filatov's graft in restorative surgery on the face. p.60.

Sheftel', M.P. - Method of synthesis of the flattened T-shaped Filatov's graft with plastic formation of its pedicles. p.68.

Mikhel'son, N.M. - Analysis of the results of operative interventions on congenital cleft palate. p.73.

Samar, E.N. - Classification of residual defects of the palate following uranoplasty. p.79.

Samar, E.N. - Surgical anatomy of residual defects of the palate following uranoplasty. p.82.

Mikhel'son, N.M. - "Harelip" (congenital cleft of the upper lip). p.87.

Oskolkova, M.P. - Causes of residual deformations following operations on congenital cleft of the upper lip and methods of their elimination. p.91.

Oskolkova, M.P. - Time factor in operative interventions in residual deformations of the upper lip and nose following operations on congenital cleft of the upper lip. p.97.

Dmitrieva, V.S. - Neurofibromatosis of the face (Recklinghausen's disease). p.101.

Silaeva, A.S. - Methods of preservation and indication for the application of preserved homocartilage in maxillofacial surgery. p.110.

Sheftel', M.P. - Application of a myoaponeurotic flap on a pedicle in facial plastic surgery on persistent paralysis of the facial nerve. p.114.

Sibileva, K.F. - Characteristics of the treatment of keloid scars. p.120.

Mikhel'son, N.M. - Extensive cementomas of the jaw. p.126.

Messina, V.M. - A rare case of localization of lipogranuloma of the face and neck. p.130.

Dmitrieva, V.S. - Blood supply of transplanted skin flaps in acute (experimental) radiation injury. p.134.

Dmitrieva, V.S. - Effect of removal of the superior cervical sympathetic ganglion on healing wounds in acute (experimental) radiation injury. p.143.

Dmitrieva, V.S. - Morphological changes in the process of healing wounds of the maxillofacial region in acute (experimental) radiation injury. p.151.

Izmailova, L.S. - Modern position on the problem of arthrosis arthritis of the mandibular joint. p.162.

Ivanov, V.S. - Experience in treating diseases of the temporomandibular joint with hydrocortisone. p.168.

Gorovoi, IU.N. - Some characteristics of conducting intratracheal anesthesia in maxillofacial surgery. p.172.

Verlotskii, A.E., Gornostaeva, I.V. - Anesthesia of the mandibular nerve in children. p.176.

Gornostaeva, I.V. - Surgical treatment of diastema. p.183.

Levenets, A.K. - Treatment of complications associated with perforation of Highmore's sinus following a tooth extraction operation. p.190.

Frigof, R.M. - Conservative method of treating fractures of an edentulous mandible. p.196.

Mel'nikov, K.A. - Treatment of fractures of the jaw in children with caps from quick-setting plastic. p.198.

Kaganovich, S.I. - Classification of fractures of the ramus mandibuli. p.201.

Fedorova, G.G. - Closed fractures of the ramus mandibuli and a method of their treatment. p.207.

Dmitrieva, V.S. - Shock and its clinical manifestations in diseases and injuries of the maxillofacial region. p.214.

Il'ina-Markosian, L.V. - Prevention and treatment of deep bite in the early stages of its development. p.220.

Okushko, V.P. - Children's noxious habits as an etiological factor in anomalies of bite. p.228.

Starobinskii, I.M. - Present state of the problem of implantation in the application of a prosthesis in an edentulous mandible. p.237.

Kalinina, N.V. - Application of a prosthesis during an increased emetic reflex. p.242.

Lubotskii, A.V. - Orthopedic aid following a resection of the maxilla. p.246.

Khamkin, N.IA. - Significance of measuring models in preparing leaning removable prostheses. p.252.

Uzhumetskene, I.I. - Expediency of tomography of the temporomandibular joint in orthodontic treatment. p.258.

El'-Nofeli, A.A. - Indications for tooth extraction in orthodontic treatment; a survey of foreign literature. p.265.

Khoroshilkina, F.IA. - Orthodontic treatment and application of a prosthesis in partial absence of teeth. p.272.

(DNLM)

REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIIA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

RYAZAN. MEDITSINSKII INSTITUT. Nauchnye trudy [MEDICAL INSTITUTE. STUDIES]. Vol.14, 1963. Voprosy patogeneza i kliniki revmatizma [Problems of the pathogenesis and clinical aspects of rheumatic fever].

Table of contents translated:

Beletskii, V.K. - Some urgent problems of the pathogenesis of rheumatic diseases. p.3.

Beletskii, V.K. - Vladimir Timofeevich Talalaev, originator of anatomicoclinical research in the pathogenesis of rheumatic fever. p.14.

Talalaev, V.T. - Antirheumatic climatic properties in the Fergana Valley. p.21.

Beletskii, V.K. - Pathological anatomy of spinal rheumatic fever. p.24.

Postnov, IU.V. - Materials on the histopathology of the skin in rheumatic fever. p.42.

Pechorina, E.G. - Change in internal female sexual organs in rheumatic fever. p.68.

[illegible], I.I. - Morphological changes in the system hypophysis-adrenal cortex in rheumatic fever. p.74.
Bekker, G.M. - Morphological changes in the connective tissues of the heart in rheumatic fever. p.91.
[illegible], T.P. - Dissecting aneurysm of the abdominal aorta with a rupture following rheumatic aortitis. p.96.
[illegible], K.P., Meshcheriakov, V.I. - Histiocytic reaction in the area of palatine tonsils, regional lymph nodes, and in regional cellular tissue in the course of rheumatic fever. p.99.
[illegible], Z.I. - General histiocytic reaction in rheumatic fever. p.109.
[illegible], IU.I. - Changes in the ependymal membrane in rheumatic fever. p.121.
Bekker, G.M. - Morphological changes in the vegetative nervous system in rheumatic fever. p.125.
[illegible], V.K. - Psychoses induced by rheumatic fever in senility. p.130.
[illegible], T.G. - Anatomicopathological changes in the central nervous system in adults with rheumatic fever. p.137.
IAkimchuk, N.A. - Changes in the pia mater of the spinal cord in rheumatic fever in connection with the genesis of the spinal block. p.145.
IAkimchuk, N.A. - Clinical materials on rheumatic fever of the spinal cord. p.151.
Nizov, A.A. - Electrophoretic protein formula in rheumatic fever treated with steroid homones. p.170.
Nizov, A.A. - Electrophoretic protein formula of the blood and its dynamics in the treatment of so-called major collagen diseases with steroid hormones. p.173.
Nizov, A.A. - Electrophoretic protein formula of the blood in patients with rheumatoid polyarthritis in the process of treatment with cortisone. p.176.
Ardamatskii, N.A. - Some indices of the functional state of the adrenal cortex in patients with rheumatic heart defects and circulation insufficiency. p.181.
Ardamatskii, N.A. - Adenosinetriphosphoric acid deficiency in the myocardium of patients with rheumatic heart defects and circulation insufficiency p.190.
Blagoslonov, A.S. - Changes in the phonocardiogram in patients with mitral stenosis in relation to the stage of the disease. p.195.
Khodorova, R.P. - Change in some reflex reactions during the first attack of rheumatic fever in children. p.202.
Artem'ev, E.N., Gubernatorova, V.D. - Compound treatment of rheumatic fever with prednisone and prednisolone. p.209.
Ardamatskii, N.A. - Mechanism of the action of mercury diuretics in rheumatic heart defects. p.215.
Gubernatorova, V.D., and others. - Diagnostic importance of the antihyaluronidase titer in rheumatic fever. p.222.
Susnina, I.V. - Effect of sodium salicylate used with cortisone and ACTH on the isolated heart of a frog. p.228.
Beletskii, V.K. - Rheumatic fever of the spinal cord. p.233.
Postnov, IU.V. - Changes in the skin in rheumatic fever. p.243.
(DNLM)

Vol. 15, 1962. Deistvie khimicheskikh razdrazhitelei na funktsii i struktury organizma v eksperimente i klinike [Effect of chemical stimulants on the functions and structures of the organism in an experiment and in the clinic].

Table of contents translated:

Afonova, V.N., Moshchenko, A.I. - Amino nitrogen of the blood serum in lead poisoning. p.3.
Belueva, N.A., and others. - Effect of potassium and calcium ions on the assimilation of reflex stimulation rhythms in frogs. p.5.
Galakhov, V.I. - Exclusion of the duodenal receptors by means of tetracaine. p.7.
Galakhov, V.I. - Qualitative characteristics of the effect of tetracaine on the duodenal receptor apparatus. p.11.
Dvoinin, L.A., and others. - Change in the oculocardiac reflex in people under the influence of caffeine. p.15.
Dvoinina, A.P. - Change in the inhibitive effect of the vagus nerve on the heart under the influence of caffeine. p.17.
Zimovshchikov, V.I. - Effect of acetylcholine, pituitrin and barium chloride on the blood vessels of frogs with an increased and decreased tonus of the vascular wall. p.19.
Ivanova, G.V. - Treatment of toxicosis during the first half of pregnancy by means of a paracervical blockade. p.21.
Kirillova, I.N. - Disorder of glycogen metabolism in rabbits under the influence of therapeutic doses of aminazine. p.24.
Klimentovskaia, A.E. - Effect of cysteine and ascorbic acid on the course of chronic zinc intoxication. p.26.
Klimentovskaia, A.E. - Effect of cysteine and ascorbic acid on the content of sulfhydryl groups in proteins and on the excretion of zinc in chronic poisoning with zinc compounds. p.29.
Klimentovskaia, A.E., Kozlova, A.P., TSelikina, V.V. - Effect of chronic poisoning with zinc compounds on the amino groups of tissue proteins. p.35.
Koz'min, V.D., Leonova, V.N. - Change in the quantity of eosinophils in the peripheral blood in healthy people due to the administration of strychnine, caffeine and ephedrine. p.38.
Kotel'nikova, Z.P., Shuvaeva, E.P. - Dimercaprol as an antidote against hexenal. p.41.
Krylov, IU.F. - Effect of vasoconstrictors and vasodilators on the vessels of the extremities and the liver of frogs under conditions of a reduced tone of their wall. p.42.
Krylov, IU.F. - Comparative effect of saltworth alkaloids (salsoline and salsolidine). p.45.
Kulakov, V.I. - Some experimental data on the effect of therapeutic aminazine doses on rabbits. p.49.
Leonova, V.N., Koz'min, V.D., Chernogorova, M.N. - Effect of ephedrine and aloe on the function of the adrenal cortex. p.53.
Likhvantsev, V.A., Dubrovina, L.S. - Effect of saluzide on the content of sodium and potassium in the urine and myocardium of white rats. p.55.
Likhvantsev, V.A. - Effect of saluzide and streptomycin on some indicators of the functional state of the adrenal cortex in healthy white rats. p.57.
Lobova, L.A. - Effect of aminazine on the vessels of the extremities and the liver of frogs with an increased tone of the vascular wall. p.63.
Shcherbakova, I.V., Morkovkina, L.G., Zbitneva, G.S. - Change in the activity of blood catalase in poisoning with cadmium compounds. p.65.
Morozov, V.N. - Effect of caffeine on the cardiac activity of frogs following administration of ACTH. p.69.
Miloslavskii, IA.M. - Effect of magnesium sulfate, aminazine and hexonium on the adrenal cortex. p.71.
Naletova, O.A., Klimentovskaia, A.E. - Content of sulfhydryl groups of protein and nonprotein compounds in the blood of hypophysectimized dogs. p.80.
Naletova, O.A., Kuznetsova, L.A. - Reaction of hypophysectomized dogs to some stimulants of the vascular tonus. p.81.
Nikulina, N.B. - Comparative effect of some antiseptics used in different medication forms on a rabbit's eye. p.84.
Nikulin, A.A. - Effect of small doses of chloral hydrate, veronal, barbamyl and their binary combinations on the intermittent and continuous extinction of conditioned reflexes. p.93.
Nikulin, A.A. - Effect of vasomotor substances on the vessels of frogs in relation to the dose and the time of influence of external ionizing radiation. p.100.
Nikulina, N.B., Goriainov, V.S. - Use of ethamine, a new local anesthetic preparation in ophthalmological practice. p.113.
Orlova, Z.E. - Range of the assimilation of the stimulation rhythm at different levels of the central nervous system in a frog. p.115.
Shcherbakova, I.V., Pokrovskii, S.A., Titova, N.V. - Change in the amylase content of the blood of animals during intoxication with cadmium compounds. p.118.
Priezzhev, I.I. - Changes in the brain and spinal cord of rabbits under the influence of therapeutic doses of aminazine. p.121.
Rubtsova, V.R. - Neurodynamic changes in patients with postinfluenzal lesions in the hypothalamic region during treatment with aminazine and caffeine. p.123.
Stolbova, E.D., Sharshukova, N.V. - Effect of poisoning with tungsten compounds on ascorbic acid metabolism in an animal organism. p.129.
Suvorikova, A.I. - Effect of different doses of aloe on the working capacity of white mice. p.131.
Suchugova, T.N. - Changes in the hypophysis and adrenal cortex under the influence of ACTH. p.134.
Telegin, V.N. - Changes in the peripheral nervous system under the influence of multiple injections of therapeutic doses of aminazine. p.136.
Uzbekov, M.G. - Controlled change of biochemical processes in the brain. p.137.
Fedosov, A.F., Bogdanov, IU.I. - Indicators of the functional state of the adrenal cortex before and after the administration of ACTH in practically healthy people. p.141.
Filatov, A.A. - Electrophysiological analysis of the effect of different doses of potassium on the reflex activity of the spinal cord in frogs. p.144.
Khazov, P.D. - X-ray study of diseases of the breast. p.148.

Khlynin, IU.V. - Correlation of arterial pressure and diuresis in hypophysectomized dogs following a water intake. p.153.
Khlynin, IU.V. - Effect of ephedrine and caffeine on arterial pressure and diuresis in hypophysectomized dogs following a water intake. p.156.
Khlynin, IU.V. - Effect of sodium nitrate and pituitrin on arterial pressure and diuresis in hypophysectomized dogs following a water intake. p.159.
Khlynin, IU.V. - Effect of ephedrine on arterial pressure, diuresis and the composition of blood (quantity of water, chlorine and the hematocrit index) in dogs following a water and salt intake. p.161.
Cherkasova, N.S. - Interrupted pregnancy during the late period due to intra-amniotic administration of rivanol. p.164.
Cherkasova, N.S. - Intra-amniotic administration of rivanol in protracted and almost completed pregnancy. p.172.
Shufina, M.M. - Case of acute poisoning with hydrogen arsenide. p.175.
Shirokii, V.F. - Effect of sodium and magnesium salts on the indices of reflex stimulation and physiological resonance. p.178.
Shcherbakova, I.V. - Role of sodium hydrosulfite in the disintoxication of the organism poisoned with cadmium chloride. p.186.
Shcherbakova, I.V. - Role of ascorbic acid and cysteine in disintoxication of the organism poisoned with cadmium chloride. p.190.
IUrov, V.V. - Specificity of the effect of nembutal and aminazine on the formation of an unconditioned reflex response of the respiratory and cardio-inhibitive centers in interoceptive stimulation from the lungs. p.193.
IAkimchuk, P.P. - Effect of nitrogen dioxide on porphyrin metabolism in white rats. p.201.
IAkimchuk, P.P., Mironov, I.I. - Morphological changes within the internal organs of white rats in chronic intoxication with small doses of nitrogen dioxide. p.205.
Kotel'nikov, V.P. - Treatment of obliterating vascular diseases with anticoagulants. p.210.
(DNLM)

SAMARKAND. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Nauchnye trudy [STATE MEDICAL INSTITUTE, Studies]. Vol. 31, 1963.

Table of contents translated:

Magrupov, A.I. - Alimentary toxicosis (with encephalitis) in Uzbekistan, according to the data of scientists of the Samarkand Medical Institute. p.5.
Gevorkov, A.A., Rustamov, B.R. - Work of the Samarkand I.P. Pavlov Medical Institute in aiding the public health agencies of the republic. p.[illegible]
Gevorkov, A.A. - Incidence of bone and joint tuberculosis in Samarkand Province in relation to the incidence of pulmonary tuberculosis among the population. p.20.
Ablakulova, S.B. - Dynamics of X-ray characteristics of bone and joint lesions in brucellosis. p.[illegible]
Ishchenko, G.N., El'tekova, N.I., Skorobachkova, R.N. - Effect of some helminths on the properties of Escherichia coli in the human intestine. p.30.
Karakhodzhaev, B., Viazikov, F.S. - Course of dysentery in children with otitis. p.33.
Lerner, P.M., and others. - Combination of a dysenteric infection with protozoal and helminthic invasions and other accompanying diseases according to materials from Katta-Kurgan. p.36.
Lerner, P.M., Kanterova, V., Bugrova, A. - Materials on the study of the epidemiology of influenza outbreaks in Samarkand in 1959 and 1962. p.39.
Khalkuziev, M.N., Salakhutdinova, R.M. - Morphology of rami communicantes and rami interganglionares of the cervical section of the sympathetic trunk in human embryos and fetuses. p.45.
Aripova, T.U. - Position and forms of the sympathetic trunk in the lumbar section of human fetuses. p.[illegible]
Ibadov, N.A. - Venous blood supply of the duodenum and the head of the pancreas. p.55.
Kariev, I.U. - Volume of the sphenoid sinus. p.57.
Usmanova, R.A. - Asymmetry of the sacral sympathetic trunks in human fetuses. p.60.
Khalkuziev, M.N., Aripova, T.U. - Morphology of rami communicantes of the lumbar section of the sympathetic trunk in human fetuses. p.63.
Khalmukhamedova, S.R. - Arterial blood supply of the thyroid gland during the intrauterine period of human development. p.66.
D'iachkova, L.I. - State of the smooth muscles of the stomach following the transection of the vagus nerves. p.74.

Rakhmatullin, Z.Kh., Tilliaev, A.T. - Reactive properties of the nervous elements of striated human muscles in typhoid fever. p.79.
Tilliaev, A.T. - Changes in the nervous apparatus of human skeletal muscles in diphtheria. p.83.
Tilliaev, A ., Musaeva, D.A. - State of the neuromuscular elements of human skeletal muscles in meningitis. p.89.
Shumeiko, A.I. - Embryogenesis of the sebaceous glands of the skin of a human forehead under conditions of a dry, hot climate. p.94.
Aleksandrov, G.N., Barakov, V.IA. - Changes in the position and skeletopia of the human diaphragm due to age. p.102.
Barakov, V.IA. - Classification and characteristics of diaphragmatic hernias. p.108.
Murtazaev, Kh.M. - Immediate microscopy of bone injuries in a medicolegal examination of the corpse. p.115

Mishchenko, I.P. - Reactivity of the organism and means of pathogenic therapy. p. 121.
Ikramova, R.M. - Growth energy of guerin's carcimona transplanted in a rat. p. 126.
Ikramova, R.M. - Effect of the alkaloids incanine and trichodesmine on the development of Ehrlich's ascitic carcimona. p. 128.
Khakberdyev, M.M. - Anaphylactogenic properties of cotton pollen. p. 131.
Khusinov, A. - Oxyhemography in patients with pulmonary tuberculosis during and after the resection of different portions of the lung tissue. p. 137.
Suleimanov, K.S. - Serum protein fractions in sensitized rabbits (in the dynamics of Arthus' phenomenon) and the influence of ACTH exerted on them. p. 140.
Asliddinov, F.A., Rakhimova, M.K., Khakberdyev, M.M. - Effect of lagochilin ester on the development and course of anaphylactic shock. p. 152.
Beliavskaia, E.A., Rakhimova, M.K. - Effect of a resolving dose of antigens on the higher nervous activity of dogs. p. 155.
Irgashev, Kh.Kh. - Change in the excitability of the sciatic nerve in frogs under the influence of X rays. p. 162.
Lapin, L.N. - Detection of iodine based on the conversion of I- into compound polyhaloid ions I_2Cl^- and I_2Br^- forming saltlike compounds with brilliant green. p. 166.
Ataullakhanov, I.A., Priev, I.G. - Copper and iron content in the organs and tissues of human fetuses in different periods of their intrauterine development. p. 173.
Priev, N.G., Ataullakhanov, I.A. - Copper, manganese and iron content in food concentrates and products. p. 181.
Rasulov, A.M. - New method of determining iodine in the thyroid gland of human fetuses in different periods of their embryonic development. p. 186.
Shamsiddinov, K.Sh. - Copper content in the blood of a parturient woman and in the blood of the umbilical vein. p. 195.
Babak, M.F. - Sensitivity of the skin to ultraviolet rays. p. 198.
Konovalova, V.A. - Effect of aphyllic acid on the transmission of impulses from the vagus nerve to the heart. p. 205.
Konovalova, V.A. - Effect of shepherd's purse on the motor function of the uterus in an experiment. p. 208.
Kochetkova, G.V. - Effect of magnesium sulfate and dimedrol on the rate of blood coagulation and on arterial pressure following experimental hypoprothrombinemia. p. 213.
Matikov, M. - Experiments in investigating the vegetative propagation of Trichodesma incana. p. 220.
(DNLM)

SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 20, no. 3, 1961.

Table of contents translated:
Kurashov, S.V. - Progress in carrying out the resolution of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. "On measures for the further improvement of medical attendance and health protection for the population of the U.S.S.R." p. 4.
Speeches of the participants in the All-Union Conference of the Key Public Health Workers. p. 30.
To the Central Committee of the Communist Party of the Soviet Union and to the Council of Ministers of the U.S.S.R. p. 64.
To all the world's medical personnel; an appeal from the participants of the All-Union Conference of the Key Public Health Workers. p. 66.
Appeal of the All-Union Conference of the Key Public Health Workers to all medical personnel of the Soviet Union. p. 68.
Pridannikov, P.T. - Participation of the Permanent Committee on Public Health and Social Security of the Moscow Council in deciding problems of health protection for the city's population. p. 75.
Zinov'ev, I.A., and others. - Significant and anniversary dates for the history of medicine during 1961. p. 80.
IUrkevich, A.IA. - In the scientific societies. Section of the Public Health and Sanitary Statistics Organization of the Leningrad Branch of the All-Union Scientific Society of Hygienists and Sanitary Physicians. p. 85.
Biriukova, R.N. - "Public Health in the U.S.S.R." p. 86.
Anatol'eva, E.D. - Discussion of the journal "Sovetskoe Zdravookhranenie," no. 10, 1960, devoted to problems of sanitary statistics. p. 87.
New books. p. 4 of cover.

Vol. 21, no. 11, 1962.

Table of contents translated:
Glorious anniversary. p. 3.
Lekarev, L.G. - Forty-five years of Soviet public health; 1917-1962. p. 5.
Gurevich, Z.A. - International significance of the basic principles of Soviet public health. p. 10.
Grashchenkov, N.I. - Basic stages in the development of medical sciences in the U.S.S.R. p. 15.
Leonovich, V.V. - Analysis of the concept "social factors" used in medical, biological and anthropological literature. p. 21.
Markovin, A.P. - Basic stages in the development of Soviet medical geography. p. 25.
Kriachko, I.A. - Problems and ways of the coordination of scientific research in the field of medicine. p. 30.
Shangin, N.I., Legen'kii, I.G. - Experience with teaching public health organization in association with practical application. p. 37.
TSaregorodtsev, T.I. - Experience with teaching social sciences at the N.I. Pirogov Second Moscow Medical Institute. p. 39.
Ibadov, A.U. - Teaching principles of protection and improvement of health in pedagogical institutes. p. 42.
Petrakov, B.D. - Organization and methods of conducting scientific and practical conferences of public health organizers. p. 44.
Trofimov, V.V. - Training of physicians in France. p. 47.
Mikhailov, V.S. - Agreements and conventions regarding the collaboration of socialist states in the field of public health. p. 51.
Ternovoi, K.S., Iozhitsa, N.A. - Work of the district hospital as an organizational and methodological center of rural health. p. 56.
Pushin, G.A. - Correlation of calendar and work days in morbidity of workers employed in industrial enterprises. p. 63.
Polulov, B.M. - Public health problems in the activities of the Soviet of Workers and Peasants Defense; December 1918-April 1920. p. 65.
Perfil'ev, G.N. - Scientific activity of Z.P. Solov'ev in Saratov; on the 85th anniversary of his birth. p. 69.
Perov, O.V. - Forms and methods for cultivating interest in the history of medicine. p. 73.
Significant dates and anniversaries of the history of medicine in 1963. p. 73.
Matousek, M. - Communist Party of Czechoslovakia and the physicians. p. 76.
Petrov, B.D. - Review of Petr V. Kolarov's book "Problems and achievements of public health; a symposium." p. 81.
Abstracts. p. 84.
In memoriam of L.S. Kaminskii. p. 86.
Scientific conference on the study of the physical development of the population of the Soviet Union. p. 87.
Zhitnitskii, M.E. - All-Union conference on the problems in planning therapeutic and prophylactic institutions. p. 87.
Vershinina, A.G., Podluzhnaia, M.IA., Seleznevа, V.T. - Perm Scientific Society of Public Health Organizers and Medical Historians. p. 91.
Khansen, G.A. - Museum of Medical History in Riga. p. 94.
Mikhailova, V.N., Slubaeva, A.N. - German Museum of Hygiene in Dresden. p. 95.
Smulevich, B.IA. - Letter to the editors. p. 96.

Vol. 22, no. 8, 1963.

Table of contents translated:
Novgorodtsev, G.A., Popov, G.A. - Current problems in public health planning. p. 3.
Rogovoi, M.A. - Methods of studying the input of work by medical personnel. p. 9.
Khristiukhin, A.K. - Methodology for determining and applying official standards for medical personnel of rural polyclinics and district hospitals. p. 15.
Bogomol'skii, M.A. - Methodology for determining requirements for therapeutic and prophylactic service for children. p. 19.
Drabkin, V.G. - Some problems in the organization of polyclinical service. p. 23.
Vorob'ev, V.A. - Some comments on the standardization of a network of district hospitals. p. 27.
Speranskii, V.A., Kornilova, G.S. - Official standards for municipal ambulatory-polyclinical institutions. p. 32.
Pushin, G.A. - Effect of repeated disease on the morbidity rate with temporary disability and experience in their elimination. p. 34.
Merman, M.M. - Valuable initiative. p. 38.
Geller, L.I., and others. - Results of the organization of studies in the epidemiology of cardiovascular diseases among workers in the petroleum industry. p. 40.
Golin, IA.I. - Hospitalization requirements for residents of the mountainous region of Daghestan. p. 45.
Gotlib, V.O. - Role of the branches of pediatric polyclinics in the medical aid for new residential areas. p. 51.
Filimonov, M.L. - Experience of organizational methodological work in a province hospital in the Virgin Territory. p. 53.
Firsov, G.I. - Work in a mobile fluorograph unit. p. 57.
Messel', M.A. - Quality of diagnoses made by phys cians of the first aid service. p. 59.
Akhmedov, A.A. - Significance of statistical data in the organization of stomatological service for the population. p. 63.
Markin, M.A. - Organization and analysis of the wo of an occupational disease specialist. p. 65.
Ostapenko, A.L. - Study of premorbid states and prevention of non-infectious diseases in man. p.
Kondrat'eva, L.V., Khromenkova, V.P. - Financin scientific research work in medical institutions o higher education. p. 73.
Lutsenko, D.A. - Rationalization of medical docume tation. p. 80.
Abashkina, P.V. - The 75th anniversary of the A.A. Ostroumov hospital. p. 81.
Perov, O.V. - G.V. Khlopin, scientist of a high social and humanitarian stature; on the 100th anniversary of his birth. p. 84.
Sagatov, R.S., Falbushovich, V.M. - Review of the book "Health resorts of the U.S.S.R." p. 88.
Grazhul', V., Sil'val, K. - Review of the "Symposium on the history of medicine of the Hungarian State Library of the History of Medicine" for 1962 [in Hungarian]. p. 89.
Bogolavlenskii, N.A. - Review of the book "Biographies of physicians of Hungary and Transylvania." p. 90.
M.M. Melik-Karamian; on his 70th birthday. p. 92.
Idel'chik, Kh. - In the Department of History of Medicine of the N.A. Semashko Institute of Public Health Organization and History of Medicine. p. 9
New books. p. 96.

Vol. 22, no. 10, 1963.

Table of contents translated:
Miterev, G.A. - Soviet Red Cross and public health in the U.S.S.R. p. 3.
Kolesnikov, B.D. - Cooperation of the medicosanitary department, administration, and trade union organization for the improvement of labor conditions and reduction of morbidity in workers. p. 8.
Chernova, A.A. - Community assistance to public health institutions. p. 12.
Kolik, S.A. - Community sanitary post, a new form of work with the sanitary activists group. p. 14.
Sakharov, A.M. - Community and public health. p. 16.
Grigor'ev, A.F. - Construction of medical institutions and the community. p. 20.
Snigur, O.I., Afanas'eva, R.L., Leskova, L.P. - Experience in the activity of a school council. p. 23.
Gempel', V.V., Solier, S.A., Korob, E.D. - Experience in the work of the section for infectious diseases in the Podol'sk interdistrict hospital. p. 25.
Aleksandrovich, V.A., Turko, N.A. - Rural vaccination centers. p. 31.
Khromchenko, O.M. - Study on establishing norms for the work of doctors-epidemiologists and their assistants. p. 34.
Brushlinskaia, L.A., Kagan, S.S. - Specification and unification of terms in public health statistics. p. 41.
Sergeeva, M.K., Roznitskii, IU.IU. - Incidence of diseases with temporary loss of work capacity in some cotton-growing state farms of Uzbekistan. p. 45.
Triger, V.A., and others. - Incidence of cardiovascular diseases in the adult population; results of research in three medical districts of Chernovtsy. p. 49.
Zverev, G.I. - Oncological aid for the population of Vologda Province. p. 53.
Abdullaev, R.A. - Improve the specialization and advanced training of doctors-therapeutists. p. 55.
Krivitskii, A.L., Shimkevich, R.L. - Medical management of patients under domestic conditions; therapeutical department at home. p. 58.
Rassvetaev, V.N. - Dispensary service for the population. p. 62.
New books. p. 65.
Svetlakov, A.G. - A.S. Puchkov, an outstanding figure in Soviet public health. p. 66.
Viduta, V.K. - I.V. Rusakov in exile in Siberia. p. 71.
Significant dates and anniversaries of medical history in 1964. p. 77.
Petrov, B.D. - Review of the book "Public medicine in Russia in the period of the revolutionary situation 1859-1861." Collection of transactions of the Department for Medical History of the Second Moscow Medical Institute. p. 79.
Kuz'min, M.K. - Review of V.M. Korneev and L.V. Mikhailova's book "Medical service in the Patriotic War of 1812; on the 150th anniversary of the War." p. 81.
Mikheikin, V.IA. - Review of the photograph album "Nimphis medicis." Budapest. p. 82.

G[illegible], V.O. - Review of the book "Handbook for doctors of preschool institutions (day nurseries and kindergartens)." p.84.
G[illegible]skaia, I.M., Tolokh, S.I. - Review of the book "Nurse's manual on the care for patients." p.8[illegible].
[illegible], I.A. - Review of V.M.Korneev's book "N.A.Vel'iaminov." p.87.
[illegible]ev, L.M. - V.A.Nevskii; on his 75th birthday. p.90.
Z.N.Zan[illegible]; an obituary. p.92.
[illegible] p.93.

Vol.22, no.11, 1963.
Table of contents translated:
The 46th anniversary of the Great October. p.3.
Lisitsyn, IU.P. - Some problems of the theory of public health. p.7.
Petrov, B.D. - Role of the history of medicine and public health in the ideological work. p.11.
[illegible]skaia, V.S. - Leading role of the Communist Party in the control of workers' health. p.16.
Basic principles of Soviet public health in the period of extended building of communism;
Viazovskaia, I.I. - First response. p.20.
Izutkin, A.M. - Second Response. p.22.
Barsukov, M.I. - Problems of the community of scientific workers in the field of the history of medicine concerning the coming 50th anniversary of the Great October Socialist Revolution. p.25.
Rosich, G.N. - Problems of public health in the statutes of agricultural workmen's associations. p.29.
[illegible], K.V. - Encouragement of international research in the control of cancer. p.33.
Lebedev, Z.A. - Children sould be healthy and happy. p.36.
[illegible], E.P. - Prevention of agricultural traumatism in the Pochinok District of Smolensk Province. p.39.
Dobrovina, V.D. - First experience in the work of cardiorheumatological institutions. p.42.
Kokin, N.K., Balda, B.D. - First experience of a unit examining patients for occupational diseases. p.46.
Kaminskii, A.M., Dretser, I.M. - Organization of the work of mobile stomatological dispensaries. p.47.
Svetlov, V.A. - "Public Health Day" in a district. p.49.
Sidorov, P.M. - Public health in Gornyy Altai. p.51.
Umanskii, Z.M. - New state pharmacopeia of the U.S.S.R. (ninth edition). p.54.
Nesterenko, A.I. - Materials of the activity of the military revolutionary committees in the field of public health. p.57.
Khorosh, I.D. - Formation of Soviet public health in the Ukraine, 1918-1920. p.61.
Dotgit, P.P. - Public health in Chernovtsy Province in the years of Soviet regime. p.67.
Goliachenko, A.M. - Social and hygienic ideas in the works of T.Moore and T.Campanella. p.71.
Korneev, V.M. - The State Medical Collegium, 1763-1803; on the 200th anniversary of its foundation. p.76.
Rozet, G.I. - Physician and Bolshevik Viktor Samuilovich Maerchak; on the 85th anniversary of his birth. p.80.
Evseeva, N.P. - Old age and diseases in capitalist society. p.83.
Izrael, S. - N.A.Semashko and Bulgaria. p.87.
Slonimskaia, I.A. - "V.I.Lenin on the health protection of the people; bibliography of works." p.89.
Zabludovskii, P.E. - Periodicals of the history of medicine in revolutionary Cuba. p.92.
Merkov, A.M. - Review of E.A.Belitskaia's book "P.I.Kurkin; life and activity." p.94.
Articles planned for publication in the periodical "Sovetskoe zdravookhranenie" in 1964. p.96.

Vol.22, no.12, 1963.
Table of contents translated:
Potulov, B.M. - V.I.Lenin's ideological and theoretical heritage as a basis for the training of medical personnel. p.3.
Sadvokasova, E.A., TSerkovnyi, G.F. - Improve the methodology of public health studies. p.9.
IAstrskii, TS.V. - Distribution of hypertension among the population of Vinnitsa. p.12.
Averbukh, L.A. - Contingents of patients according to the number and nature of disease occurrences. p.16.
Kristosturian, T.L. - Traumatism and labor regimen in a cattle-breeding farm. p.21.
Anokhin, L.V. - Incidence of influenza and catarrh of the upper respiratory tract with temporary disability in workers of the S.M.Kirov Synthetic Rubber Plant. p.23.
Zaits, L.P. - Invalidity among the workers and employees of Sverdlovsk during 10 years, 1951-1960. p.28.
Ivanova, K.A., Frolova, N.A., Nagornova, E.P. - Physical development of schoolchildren in Kalinin. p.30.
Katsenelenbaum, M.S. - Changes in the state of children's health in Noril'sk, 1956-1961. p.34.
Alpatov, V.V. - Unified numerical characteristics of the quality of diagnoses. p.38.
Tumarkin, B.M. - Use of computing machines in the statistical work of studies on disease occurrences with temporary disability in industrial enterprises. p.42.
Kshanovskii, S.A., Chaplygina, M.N. - Organizational problems in the introduction of intracutaneous vaccination and BCG revaccination. p.46.
Reznitskii, IU.IU. - From the past of the organization of medical aid to the rural population of Uzbekistan. p.49.
Larionova, T.A., Malozemova, A.I. - History of public health in Irkutsk Province. p.52.
Messel', M.A. - First aid during the blockade of Leningrad; on the 20th anniversary of the elimination of the blockade of January 27, 1944. p.57.
Important dates and anniversaries of the history of medicine in 1964. p.62.
Markusson, E., Garich, G., Kutelle, K. - Suggestion for the classification and coding of the causes of death in the German People's Republic. p.65.
Ionova, I.A. - Public health in the republic of Mali. p.72.
Novakova, E., Kabort, IA. - Experience in associating the teaching of public health organization with practice. p.76.
Freidlin, S.IA. - Review of the periodical "Zdravookhranenie Rossiiskoi Federatsii," nos. 1-12, 1962. p.78.
Maevskii, V.I. - Review of the periodical "Vrachebnoe delo," a periodical of Ukrainian physicians; nos. 1-12, 1962 and nos. 1-6, 1963. p.79.
Chikin, S.IA. - Review of the book "Numbers and settlement of the peoples of the world." p.81.
Abstracts. p.82.
Contents of the periodical "Sovetskoe zdravookhranenie" for 1963. p.84.
Alphabetical author index. p.93.

Vol.23, no.1, 1964.
Table of contents translated:
Grigor'eva, N.N. - Important problems. p.3.
Skachik'ian, A.S. - Work of a central district hospital under new conditions. p.9.
Kuštova, E.A. - Some problems in the organization of medical aid in a rural consolidated district; experience in the Danilov District of Yaroslavl Province. p.13.
Borisovets, L.F. - Incidence of diseases with temporary disability in workers of state farms. p.16.
Sarap, A.A. - Medical service for the workers of industrial enterprises of the Estonian S.S.R. p.21.
Konstantinova, A.I., Chertova, N.D. - Prevalence of hypertension in the Ufa Petroleum Refinery. p.23.
Nesterov, V.A. - Methodology for studying the prevalence of cardiovascular diseases and their effect on the state of the health of the population. p.27.
Alkhan-Komal, G.G. - Calculation of the calendar and work days in the study of disease occurrence with temporary disability. p.28.
Markov, L.V., Neupokoeva, T.L. - Study of workers' letters. p.29.
TSiktik, B.M. - Some data concerning the medical students of the First Moscow University in the first years of the Soviet regime, 1917-1919. p.33.
Polianskaia, T.G. - V.S.Ivanovskii, physician and revolutionary. p.38.
Grinina, O.V. - Correlation of medicogeographical and sanitary-statistical methods in studies of the past. p.43.
Belitskaia, E.IA. - First Russian schools of hygiene; on the 120th anniversary of A.P.Dobroslavin's and F.F.Erisman's births. p.47.
Granova, L.S. - Dissertations on sanitary statistics for the scientific degree of Doctor of Medical Sciences defended from 1934 to 1962. p.53.
Important dates and anniversaries of the history of medicine in 1964. p.55.
Purmenko, I.P. - Public health in the Republic of Cuba. p.59.
Shpil'man, I. - George Marinescu and Russian science. p.63.
Izrael, Salvator, Genov, Donko. - Memorial to physicians in Sofia. p.66.
Erenkov, V.A. - Review of L.L.Sheputo's book "Problems of dialectic materialism in medicine." p.71.
Novinskii, G.D. - Review of N.A.Bogoiavlenskii and IU.P.Lisitsin's book "On Russian-Cuban medical relations." p.74.
Mul'tanovskii, M.P. - Review of the book "Collections of transactions of the ninth and tenth scientific conferences of the Yugoslav Society of Medicine, Pharmacy and Veterinary Medicine." p.75.
Petrov, B.D. - Review of Leon Tochowicz's book "Historical essay on the Krakow Medical School; on the 600th anniversary of the Jagiellonian University in Krakow." p.76.
Pitskhelauri, G.Z. - Review of I.T.Manafov's book "Medical and sanitary service in prerevolutionary Baku." p.78.
Kuz'mina-Prigradova, A.V. - V.N.Ternovskii; on his 75th birthday. p.80.
Mamedov, A.N. - All-Russian Conference on Public Health. p.81.
Aizinbund, IU.I. - Work of the Section for Organization of Public Health of the Moscow Hygienic Society. p.84.
Duplenko, K.F. - Third Ukrainian Historicomedical Conference. p.86.
Sadvokasova, E.A. - In the Section of Sanitary Statistics of the N.A.Semashko Institute of Public Health Organization and History of Medicine. p.89.
Kardashenko, V.N. - M.D.Bol'shakova; 1899-1963. p.90.
Gudoshnikov, F.F. - Professor V.I.Voitchkin. p.92.
Ovcharov, V.K. - Conditions of life and health of the population of the U.S.S.R.; basic indices in comparison with the prerevolution and prewar periods. p.93.

Vol.23, no.2, 1964.
Table of contents translated:
Safonov, A.G. - Present state and ways of development of specialized medical aid in the U.S.S.R. p.3.
Vorob'ev, V.A. - Organization of specialized aid to rural population. p.11.
Rud'ko, V.F. - Routine problems in the development of stomatological aid to the population. p.14.
Neimark, I.V. - Improve medical service for patients with infectious diseases. p.20.
Bogomolov, F.I. - Experience in the organization of tuberculosis control. p.23.
Vybornova, M.V. - Medical service for the invalids of the Great Patriotic War. p.25.
Kogan, R.B., Rogachevskaia, M.S. - Improve the organization of medical service for schoolchildren. p.29.
Lysenko, E.A. - Training of doctors-pediatricians and providing pediatric personnel for the population of the Ukrainian S.S.R. p.35.
Davydov, B.I. - Some data on the prevalence of chronic pneumonia in children in Yaroslavl. p.39.
Bobrov, M.IA. - Some unsolved problems in record keeping on oncological patients. p.43.
Mirzoeva, M.E. - Work of the trade unions organizations in the development of a movement for communistic approach to the work in the medicoprophylactic institutions in Baku. p.45.
Lebedeva, V.N. - Organization of hematological service in Sochi. p.46.
Ugnivenko, T.S. - Control of infectious diseases in children according to materials of All-Ukrainian Conferences of Hygienists, Epidemiologists, Infectious Disease Specialists and Pediatricians. p.49.
Danilishevskaia, V.I. - At the sources of the development of stomatological aid. p.55.
Vidula, V.K. - Materials on history of medicine and public health in Kurgan; on the 300th anniversary of the city. p.58.
Pitskhelauri, G.Z. - Abu-Bekr Ibn-Tufeil, a prominent Arabian scholar and physician. p.63.
Zhuchkova, N.I. - The first woman as assistent in the Kazan University. p.67.
Important dates and anniversaries of the history of medicine in 1964. p.69.
New books. p.72
Mureshan, P. - Study of disease incidence in the population of the Rumanian People's Republic p.73.
Andronko, P.T. - Public health in the Republic of Guinea. p.78.
New books. p.85.
Petrov, B.D. - Review of the book "Marxism-Leninism and the problems of public health"; transactions of the S.M.Kirov Military Medical Academy of the Order of Lenin. p.86.
Potulov, B.M. - Review of B.D.Petrov's book "Essays on the history of Soviet medicine." p.87.
Brzhovskii, V.Ch. - Review of V.I.Kant and I.D.Sorochan's book "Experience in the work of rural medical institutions. p.89.
Sachkov, A.M. - Scientific conference of the N.A.Semashko Institute of Public Health Organization and History of Medicine. p.92.

Gargasas, L.V. - Conference of medical historians in the Baltic States and White Russia. p. 94.
Minakova, I.G., Pomanskii, N.A. - Work of the public council at a scientific research institute. p. 96.

Vol. 23, no. 3, 1964.
Table of contents translated:
Massino, S.V. - On the way to victory over tuberculosis. p. 3.
Mokhmev, IA.L. - Antituberculosis propaganda in the present stage of tuberculosis control. p. 9.
Shkliarova, E.L., Kern, V.G. - Experience in the work of a sanitary epidemiological station for the control of tuberculosis. p. 12.
Kudraishov, K.F. - Experience in the control of tuberculosis in the Kama Basin and organizational problems in antituberculosis work. p. 13.
Gorshukova, K.G., Karpov, L.N., Konopel'ko, G.G. - Increase the role of public health organization and medical history departments in the ideological and educational work of students. p. 16.
Brzheskii, V.Ch. - Give a practical basis to the teaching of public health organization. p. 19.
Karmanova, E.G., Zabolotskaia, L.P. - Role of scientific medical societies in the propaganda of medical and hygienic knowledge. p. 22.
Zhitnitskii, M.E., Cherniak, L.I. - Ways to enlarge the existing hospitals. p. 27.
Loginova, E.A., Zavialov, V.V., Khrushchev, V.S. - Experience in the organization of an enlarged surgical department; preliminary report. p. 33.
Maslenkova, N.V. - Use of materials of disease incidence and attendance of the adult population as a practical basis of hospital work planning. p. 37.
Pritsker, E.IA., Berezin, A.I., IAkhnenko, S.E. - Kitchen and dining blocks in contempory hospitals abroad. p. 41.
Averbukh, L.A., Zhuravel', R.IU., Sidorenko, G.M. - Qualitative evaluation of medical diagnosis in outpatient and polyclinical servicing of patients. p. 45.
Agzamkhodzhaev, S.A., Sagatov, R.S., Sirotinskii, M.N. - Reorganization of rural public health in the Uzbek S.S.R. p. 49.
Goncharov, S.N. - Organization of patronage aid by the medical personnel of the City of Cherkassy to the rural population. p. 53.
Chikin, S.IA., Cheknev, B.M. - Training of physicians from the indigenous nationalities of the arctic regions. p. 56.
Kulagina, A.A. - Medical service for railroad workers and employees under a unified public health system; from the experience of a railroad field hospital. p. 59.
Ivanov, N.M. - Price level for the drugs in the U.S.S.R. p. 63.
Lovit, M.M. - Development of the medical press in Russia and U.S.S.R.; on the 400 anniversary of book printing in Russia. p. 66.
Mitsel'makheris, V.G. - First medical books printed in Russia. p. 71.
Viduta, V.K. - First printed medical publications. p. 73.
Lavrova, L.N. - Doctor P.F. Kudriatsev, 1863-1963. p. 75.
Important dates and anniversaries of medical history in 1964. p. 78.
Zakharov, F.G. - Health of the population and public health service in the Republic of Mali. p. 81.
Shangin, N.I., Legen'kii, I.G. - Review of K.V. Maisrakh's handbook "Organization of public health." p. 88.
Veber, L.G. - Review of E.I. Lotova's book "Russian intelligentsia and the problems of public hygiene." p. 89.
Petrov, B.D. - Review of the book "From the history of Rumanian and world medicine." p. 92.
Brief news. p. 94.
Uspangalieva, Sh.I. - Work of the Republic Scientific Society of Public Health Organizers and Medical Historians of the Uzbek S.S.R. p. 95.
Afanas'ev, I.A. - Scientific conference dedicated to the problems of medical geography of Kazakhstan (Section of Medical Geography of the Sixth All-Union Conference on the Problems of Landscape Study). p. 95.

Vol. 23, no. 4, 1964.
Table of contents translated:
Serenko, A.F. - Public health in the national plan of the U.S.S.R., 1964-1965. p. 3.
Petrov, B.D. - Intensify research in the history of Soviet public health. p. 9.
Potulov, B.M. - Problems of public health in Lenin's works. p. 15.
Chikin, S.IA. - September Plenum of the Central Committee of the CPSU (1953) and the development of rural public health in the R.S.F.S.R. p. 24.
Belkin, R.I. - I.I. Mechnikov's struggle for the materialistic conception of the world; on the 50th anniversary of the publication of the book "Forty years in search of a rational conception of the world." p. 28.
Brodskii, M.S. - Moscow University and its medical faculty on the eve and during the Great October Socialist Revolution; March - October, 1917. p. 33.
Seleznova, V.T. - From the history of the control of parasitic typhoid fevers in the Third Army of the Eastern Front during the civil war. p. 39.
Fedotov, N.P. - All-Union A.M. Gor'kii Institute of Experimental Medicine in Tomsk during the Great Patriotic War. p. 44.
Shapiro, I.IA. - Present state of and pressing problems in the teaching of medical history. p. 47.
Burchinskii, G.I., Dal', M.K. - Increase the role of medical history in the education and training of medical personnel. p. 50.
Belitskaia, E.IA. - Reminiscences of contemporaries as a source of knowledge in medical history. p. 53.
Sukharebskii, L.M. - Film documentation as a source in medical history. p. 57.
Nesterenko, A.I. - Personal files in the state archives of the U.S.S.R. p. 61.
Gribanov, E.D., Rumiantsev, V.A. - Postgraduate correspondence training for teachers of medical history. p. 63.
Maevskii, V.I. - Cooperation of medical publishing houses in socialist countries. p. 66.
Stoianov, B.G., Molotkov, A.IU. - Some aspects of the work of editorial boards of medical periodicals. p. 70.
Bogoiavlenskii, N.A. - M.E. Saltykov-Shchedrin State Public Library in Leningrad and its significance in the history of Soviet medicine. p. 74.
Ternovskii, V.N. - Henry E. Sigerist, a medical historian. p. 77.
Kulik, D.M. - From the history of the Scientific Society of the Physicians of Mogilov; materials on the 100th anniversary of the foundation of the society. p. 80.
Important dates and anniversaries of medical history in 1964. p. 84.
Novskii, V.A. - Russian-Polish medical relations. p. 87.
Shilinis, IU.A. - Review of L.M. Shenderovich's book "Essays on the development of Soviet neuropathology." p. 88.
Petrov, B.D. - Review of the book "Transactions of the scientific medical history conference of the Ural-Siberian provinces." p. 90.
P.E. Zabludovskii; on his 70th birthday. p. 92.
New books. p. 93.
Barsukov, M.I., and others. - Second All-Union Scientific Medical History Conference. p. 94.

Vol. 23, no. 5, 1964.
Table of contents translated:
Iozhitsa, N.A., Gindentuler, D.M. - Results of the work of the Organizational Methodological Department of the Central District Hospital. p. 3.
Mazanov, G.S. - Work of the Organizational Methodological Departments of the Central District Hospitals. p. 8.
Zufarov, T.Z., Bukshpan, A.A., Bobyrev, V.V. - Results of the work of the Organizational Methodological Department of the Central District Hospital in Kavkazskiy District, Krasnodar Territory. p. 11.
Ryvkin, I.A. - Tasks of the organizational methodological departments of scientific research institutes. p. 14.
Vorob'ev, V.A. - Efficient distribution of the duties of the administrative staff of the central district hospital as regards the management of public health service in the district. p. 18.
Beliatskii, D.P. - Fundamental principles of Soviet public health service during the period of large-scale building of communism. p. 22.
Alkhan-Kemal, G.G. - Improving the use of hospital beds. p. 25.
Khodakovskii, E.V. - Therapeutic and prophylactic service of the rural population in a consolidated district. p. 27.
Filimonov, M.L. - Work of airborne public health service in the Virgin Territory. p. 29.
Sedov, K.R. - Characteristics of sanitary and hygienic working and living conditions, and the incidence of disease among the population of Tofalaria. p. 32.
Shapiro, L.B. - Importance of specialized service in first aid work. p. 36.
Rashkin, V.A. - Improving the qualifications of medical personnel in Zhdanov. p. 40.
Varakin, V.N. - Exchange of experience in the work of medical institutes. p. 44.
Vinokurov, D.I. - Large medical encyclopedia, its importance and prospects. p. 46.
Kaminskii, M.I. - Once again about sanitary statistical terminology. p. 49.
Tyshetskii, V.I. - Improving the precision of statistical terminology. p. 52.
Abramov, A.I. - Results of organizing a specialized Pioneer sanatory camp for children with rheumatic fever. p. 54.
Smirnov, M.P. - Work of a nonremunerative stationary blood donation center. p. 56.
Gakdash, G.IA. - District public health departments are not needed in cities. p. 58.
Zograb'ian, O.L. - Functions of a district public health department should be carried out by the leading therapeutic and prophylactic institution of the district. p. 59.
Nesterov, IA.A. - Are district public health departments necessary in cities? p. 50.
Kitsis, G.N. - District or branch hospitals? p. 60.
Grigor'ev, F.G. - Improving the organizational forms of the activities of rural district hospitals. p. 61.
Asnes, M.I. - In defense of infirmaries in the home. p. 63.
Karpov, L.N. - First zemstvo public health physicians were the organizers of public health service. p. 65.
Alekseeva, L.P. - I.D. Dmitriev, public health physician and civic worker; historical materials on the St. Petersburg Zemstvo Sanitary Organization. p. 69.
Mursalova, N.N. - Cholera epidemics and their control in the Taurida Government in the first half of the 19th century; according to materials in the Crimean archives. p. 74.
Significant and anniversary dates of medical history in 1964. p. 78.
Emel'ianov, V.N. - In fraternal Bulgaria. p. 82.
Kaniuka, L.S., Pantiukhin, V.P. - Yemen public health service on a new road. p. 85.
Petrov, B.D. - Review of the journal "Zdorov'e," nos. 1-12, 1963. p. 88.
Review of the bibliographic index "Sanitary statistics" bibliography of Soviet literature for 1918-1960 by L.E. Poliakov, B.I. Ignatovich, D.M. Malinskii. p. 89.
Novskii, V.A. - Review of K.R. Simon's book "History of foreign bibliography." p. 92.
Beniumov, R.IA. - Brief news. p. 94.

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 9, no. 5(101), May 1964. [In Lithuanian]
(DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 5(72), May 1964. [In Latvian]

VOPROSY REVMATIZMA [PROBLEMS OF RHEUMATISM]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 2, no. 1, Jan.-Mar. 1962; vol. 3, no. 2, Apr.-June 1963; vol. 4, no. 1, Jan.-Mar. 1964.
(DNLM)

VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, no. 5, May 1963.
Table of contents translated:
Panchenko, D.I. - Fourth All-Union Congress of Neuropathologists and Psychiatrists. p. 3.
Rusetskii, I.I. - Neurological structure of disease. p. 6.
Tareev, E.M., Severova, E.IA. - Affection of the kidneys in drug disease. p. 10.
Stepanov, P.N. - Drug disease. p. 16.
Shmidt, E.V., Liudkovskaia, I.G. - Cases of thrombosis of the external carotid artery. p. 21.
Pozhariiskii, K.M. - Statistical material on the etiology of disorders in the rhythm of cardiac activity in correlation with coronary atherosclerosis. p. 26.
Kogut, M.D. - Effect of bioiron on renal blood circulation in hypertension patients. p. 33.
Pshennikova, M.G., and others. - Disorder of the compensation of an experimental heart defect under the influence of reserpine. p. 40.
Tagibekov, K.G., Pecherskaia, O.G. - Disorder in some liver functions in cholecystitis before and after an operation. p. 44.
Kushnir, V.E. - Effect of benzohexonium on the functional state of the stomach in patients with peptic ulcers. p. 49.
Mikhlin, S.IA., Nesterin, M.F. - Secretory activity of the pancreas in niacin insufficiency caused by the introduction of beta-acetylpyridine. p. 57.
Vargatyi, IA.P. - Gastric secretion during natural sleep in patients with a stomach fistula. p. 59.
Gerasimenko, N.I. - External secretion of the pancreas in endemic goiter. p. 62.

IArchevskaia, S.I. - Phase contrast microscopy in a cytological diagnosis of lung cancer. p. 64.
Smirnov, G.A. - Inactivation of phthivazide in the organism of tuberculosis patients and its clinical importance. p. 68.
Gel'del'man, M.G. - Neurotic syndromes in rheumatic fever. p. 72.
Rozentsvaig, A.M. - Clinical aspect of cerebral circulation disorders in rheumatic endovasculitis and thromboyasculitis. p. 76.
Dembenko, I.F. - Late results of the treatment of patients with rheumatic heart disease at the Kislovodsk Health Resort. p. 80.
Agafonov, B.V. - Sinocarotid novocaine block in comprehensive treatment of patients with cerebral arachnoiditis. p. 84.
Petrova, A.G. - Some data on the use of dimenol, stimulant of the nervous system. p. 87.

Antonenko, V.T. - Mechanism of the therapeutic effect of homolgous bone marrow in rats irradiated with sublethal and lethal X-ray doses. p. 92.
Veinerov, I.B., Kruchakova, F.A., Cherkasskaia, E.I. - Effect of protracted use of tubazid on the excretion of 17-keto-steroids in skin tuberculosis. p. 95.
Bilibin, A.F., Shchetinina, I.N. - Characteristics of the clinical course and the diagnosis of serious ulcerative (nonspecific) colitis. p. 99.
Gardashnikov, F.L., Orestenko, L.P. - Toxoplasmosis as one of the causes of congenital facial deformities. p. 105.
Spitsa, A.I., and others. - Epidemiological and virological characteristics of poliomyelitis in Dnepropetrovsk Province. p. 107.
Gaidak, P.V. - Changes in the bones of the wrist caused by manual milking. p. 110.

Savenko, P.P., Kostenko, S.K., Donigevich, M.I. - Aviation in modern sanitation. p. 115.
Kobets, G.P. - Results of polyclinical work involving prophylactic medical examinations of the population. p. 117.
Zuenko, P.G., Shugailo, V.T. - Seven cases of trichinosis. p. 118.
Novachenko, N.N., Meerman, L.A. - Case of resuscitation of the organism following a protracted clinical death. p. 118.
Babaeva, E.K., Zelova, G.IA. - Diagnosis of the activity of the rheumatic process according to data of the sialic test. p. 122.
Timofeeva, N.V., Orzheshkovskii, V.V. - Changes in the nervous system in infectious nonspecific (rheumatoid) polyarthritis. p. 125.
Boiko, G.F., Aleinikova, L.I., Pasternak, A.IA. - Rheumatic pneumonia with a course similar to that of pulmonary tuberculosis. p. 125.
Kalugina, G.N. - Hemoclysmas from placental blood used in the treatment of rheumatic fever in a district hospital. p. 126.
Kats, I.M. - Interrelations between tuberculosis and rheumatic fever. p. 128.
Ivancho, E.S. - Hemorrhagic vasculitis in respiratory and cardiac insufficiency. p. 129.
TSitrin, G.D. - Anaphylactic shock as a reaction to the introduction of platyphylline. p. 131.
Bushev, T.A. - Occurrence of an anaphylactic shock following an injection of vitamin B_1. p. 132.
Shalupenko, V.N. - Dermatitis due to contact with fraixinella. p. 132.
Kobzar' E.V. - Functional state of capillaries in psoriasis. p. 133.
Kravchenko, A.I. - Measuring intragastric temperature with an electric medical semiconductor thermometer (TEMP-60). p. 134.
Lybin, I.V. - Treatment of peptic ulcers by means of intravenous infusions of magnesium sulfate. p. 135.
Rom-Bugoslavskaia, F.C. - Functional systolic murmur in the carotids as a symptom of neurocirculatory dystonia. p. 136.
Bratun', V.P. - Intravital diagnosis of multiple pulmonary cysts. p. 138.
Kostiuk, I.F. - Therapeutic effectiveness of raunatin in hypertension. p. 139.
Rubanovskii, B.R. - Treatment of hypertension with hexonium, dibazol and novocaine. p. 140.
Zeitman, V.B. - Some characteristics of the course of Botkin's disease after the development of acute dystrophy of the liver. p. 141.
Strukov, V.A. - Blood transfusion in thrombophlebitis of the superficial tibial veins. p. 143.

Martirosian, S.P. - Treatment of brucellosis by transfusion of immune bloodcombined with intravenous injection of vaccine. p. 143.
Kucherenko, A.E., Kucherenko, E.M. - Obliterative phlebitis of the hepatic veins (Chiari's disease). p. 144.

Shifrin, M.A. - Cholesterol and lipoproteins of blood serum in diabetes mellitus. p. 145.
Fin'ko, D.I. - Nature of ether-soluble bilirubin and and its clinical importance. p. 146.
Poluektov, L.V., Kaufman, O.IA. - Case of ectopia of the heart (ectopia cordis extrathoracica). p. 147.

Babak, M.A., IUrmin, E.A. - Iodine content in the thyroid gland depending on the clinical form of goiter. p. 148.
Nikitin, IU.I., Chopik, V.I. - Use of club moss (Lycopodium selago) in treating chronic alcoholism. p. 150.
Briskman, A.M., Kobzarenko, M.P. - Sensitivity disorders in amyotrophic lateral sclerosis. p. 152.
Starchenko, S.N. - Pirogov Prizes. p. 153.
Simonovskaia-Romadina. - History of the Saki Health Resort. p. 155.
Legal advice. p. 157.

No. 4, Apr. 1964.

Table of contents translated:

Grinishin, D., Potulov, B. - V.I. Lenin about the role of the masses in the building of the Soviet public health service. p. 3.
Liashkevich, A.S. - Gastric function in diseases of the liver and the biliary ducts. p. 10.
Lapchinskii, I.D. - Hydrochloric acid solutions as stimulants of the external secretory function of the human pancreas. p. 14.
Meerzon, R.A. - Mechanism of the action of Digitalis preparations on the secretory function of the stomach. p. 18.
Ratner, M.IA., Ershova, T.M. - Dietetic therapy for nephritis patients. p. 22.
Vein, A.M., Shtul'man, D.R. - Disorder of the renal function in lesionsof the hypothalamic region. p. 27.
Kormanova, E.E., Petrovskaia, O.G. - Functional state of the kidneys in hepatargia and their morphological changes in acute liver dystrophy. p. 31.
Chkanikova, E.V., Agranenko, V.A. - Use of the method of hemodialysis (artificial kidney) in acute renal failure due to poisoning with mercury salts. p. 36.
Mikhnev, A.L., Gvatua, N.A. - Analysis of the duration of systole phases in the evaluation of the functional state of the cardiac muscle in acute myocardial infarction. p. 39.
Il'chenko, V.E. - Dynamics of eosinophils in myocardial infarction. p. 44.
Zin'kov, M.L. - Oscillographic method of investigating pressure in the temporal arteries. p. 47.

Zubova, R.F. - Cholesterol metabolism and the vascular function in people consuming a large quantity of eggs. p. 50.
Birka, I.I. - Effect of 6-methylthiouracil on some blood coagulation indices in patients with coronary insufficiency. p. 54.
Gaidamaka, T.M. - Change in serum proteins and lipoproteins in elderly patients with rheumatic fever. p. 58.
Angulova, A.D. - Clinical and immunological comparisons in rheumatic fever. p. 61.
Zagorodskaia, M.M. - Changes in the lungs in chronic leukemia. p. 67.
Bialik, V.V. - Thanatological characteristics of acute leukemia. p. 71.
Zil'berman, D.B. - Changes in serum proteins in systemic diseases of the hemopoietic organs. p. 75.
IArosh, A.A., Shul'ga, A.I. - Treatment of multiple sclerosis with pyrogenal. p. 78.
Logachev, K.D. - Hereditary form of progressive muscular ossification. p. 81.
Kuzmenko, L.N., and others. - Changes in the content of the serum protein fractions in acute radiation sickness. p. 85.
Bashirov, A.A. - Functional state of the liver in workers of the capron industry. p. 89.
Khvolnitskaia, M.A., Pugachevskii, V.P. - Industrial organization in the use of control and measuring devices with sources of ionizing radiation. p. 92.
Kalina, V.K. - Devices for remote pouring out of dosages of liquid radioactive substances. p. 94.
Tarabanchuk, L.G. - Sanitary state of the Southern Bug River within the boundaries of Vinnitsa and prospects for its hygienic improvement. p. 96.
Likhtorovich, S.A., Maksimets, V.G. - Differential virological diagnosis of the neural forms of mumps. p. 99.
Roitman, E.A. - Effect of prophylactic vaccination on the incidence of epidemic hepatitis (Botkin's disease). p. 103.
Poleshko, D.V., Furs, T.A. - Effect of phospholipids on some biochemical indicies and their therapeutic activity in Botkin's disease. p. 106.
Barba, E.I. - Sequelae of Botkin's disease and their treatment. p. 110.
Smaga, M.F., Mis'kiv, IA.I., Pavlova, E.E. - Toxoplasmosis as one of the etiological factors of oligophrenia; according to materials of a boarding school for mentally retarded children. p. 114.

Sachuk, N.N. - Some indices of the general state of health of people with a long life-span according to data of the Ukrainian S.S.R. p. 118.

Efimtseva, A.F., Gul'fante, E.S. - Myocardial infarct in rheumatic fever. p. 121.
Gerasimchuk, R.D. - Subarachnoidal hemorrhage following the use of leeches in vascular hypotonia and a normal course of pregnancy. p. 122.
Lysenko, Z.B. - Corn oil in a compound treatment and prophylaxis of atherosclerosis. p. 124.
Erokhina, N.G. - Disappearance of Wilson's S-block in a biotron. p. 125.
Medvedev, N.P. - Effect of penicillin on the rate of blood coagulation. p. 127.

Dobrin, IU.G. - Some experimental data on the prophylaxis and therapy of cancer metastasis. p. 128.
Khomenko, D.G. - Diagnosis of cancer of the head of the pancreas. p. 129.
Karachunskii, M.S. - Therapeutic effectiveness of benzotef. p. 129.
Zil'berman, M.L. - Clinical aspect and pathogenesis of Rendu-Osler's disease. p. 131.
Kraichik, L.I. - Late results of treatment of tuberculosis of the stomach and regional lymphatic nodes. p. 132.
Udod, V.M. - Role of accompanying surgical diseases in the course of diabetes mellitus. p. 133.
Borovyi, E.M. - Characteristics of the Bukovina, Ciscarpathian, and other goiter foci in the western provinces of the Ukrainian S.S.R. p. 133.
Slavnov, V.N. - Serum protein fractions in thyrotoxicosis and its treatment with radioactive iodine, and their diagnostic value. p. 135.
Bateiko, V.IA., Zolgoremakher, G.A. - Residual phenomena following aseptic serous meningitis. p. 136.

Kasatskii, V.V. - Place of psychotherapy within compound therapeutic measures in lumbosacral radiculitis. p. 138.
Lukashev, V.A., and others. - Subcutaneous insufflation of oxygen in urinary incontinence during the night (nocturnal enuresis). p. 139.
Kairiukshtis, V.I. - Misuse of steroid therapy. p. 139.
Lipina, R.A. - Side effects of butadione. p. 141
Bykhovets, M.D., Fesenko, I.P., Ivan'ko, A.I. - Chronic dermatomyositis. p. 142.
Moreinis, E.V., Mukhin, IU.P. - Idiopathic hemosiderosis. p. 144.
Lavrushenkova, Z.A. - Rare localization of osteopoikilosis. p. 144.
Kol'chinskii, M.IA. - Urethro-oculo-synovial syndrome. p. 146.
Duka, T.V. - Modern methods of tetanus treatment. p. 148.
Astaf'ev, V.I., Firsov, E.F. - Dextroposition of the aorta. p. 149.
Muratov, V.I., Gromova, A.A. - Case of the rupture and drainage of a liver abscess through the intrahepatic biliary ducts into the intestine. p. 150.

Republic Scientific Conference on the Problem "The Physiology and Pathology of Digestion." p. 151.
Skopichenko, N.F. - Founding of the Republic Scientific Medical Cardiological Society of the Ukrainian S.S.R. p. 151.
Mikhnev, A.L., Duplenko, K.F. - Review of Z.A. Gurevich's book "Coronary disease; social hygienic essay." p. 152.
Bubenko, V.M., Filippov, M.P., Maidikov, L.K. - Review of IU.S. Kagan's book "Toxicology of phosphorus organic insecticides and industrial hygiene in their use." p. 154.

Rott, A.V. - Legal consultation. p. 155.

No. 5, May 1964.

Table of contents translated:

Shakhbazian, F.Kh. - Tasks of therapeutic and prophylactic medicine in connection with the development of chemistry. p. 3.
Patsiora, I.N. - Development of the method of auscultatory examination of the heart. p. 10.
Mikunis, R.I., Lipnitskii, T.N. - Diagnosis of functional murmurs in mitral defects of the heart. p. 14.
Burd, G.S. - Emergency aid in cerebrovascular crises. p. 17.
Kamenetskaia, I.IA., and others. - Electrocardiographic changes during the initial period of myocardial infarction. p. 22.
Gershman, R.N. - Clinical aspects and pathogenesis of regional hypertension of the temporal artery in adolescents. p. 25.
Adamenko, R.IA. - Arterial hypertension following a closed brain trauma; as per data on treatment in a biotron. p. 29.
Tret'iak, T.P. - Pathology of the field of vision in hypertension; as per data on treatment in a biotron. p. 33.
Lerner, I.P. - Clinical characteristics of allergic lesions in the myocardium. p. 38.
Gritsiuk, A.I. - Blood coagulation in experimental streptococcal infection. p. 45.
Vatigura, IA.S., IUrchishin, IA.P. - Novocaine block of the internal thoracic arteries in stenocardia treatment. p. 48.

Pshenichnaia, Z.M. - Importance of the knee phenomenon in the diagnosis of obliterating vascular diseases of the lower extremities. p.52.

Mel'nik, I.A. - Stages of the clinical course in rheumatic fever. p.56.

Grinevich, IU.A. - Study of the properdin system in rheumatic fever. p.60.

El'iashkevich, E.S., Vakar, A.A. - Changes in the indices of the oxidizing processes in the blood in chronic leukemia. p.64.

Morozov, V.N. - Electrocardiogram of track-and-field athletes in the state of rest following dosed physical loads and during training. p.68.

Kleshchev, IU.G., Koval', D.N. - Sutureless joining of vessels. p.71.

Anishchenko, V.M. - Activity of cholinesterase of the blood serum in patients with peptic ulcers before and after treatment with benzohexonium. p.75.

Lola, A.T. - Differential diagnosis of pulmonary tuberculosis and peripheral cancer of the bronchus. p.79.

Starovoitov, I.M., Fedorovskii, A.A. - Treatment of lactation mastitis. p.83.

Al'perovich, P.M., Andreeva, E.K. - Role of experimental psychological examination in determining the localization of tumors in the large hemispheres of the brain. p.89.

Baran, L.A. - Multiple lesions of bones by giant-cell tumors. p.94.

Pindich, M.T. - Effect of insulin on the gas exchange in relation to the balance of the basic nervous processes. p.98.

Nevzgliad, G.I. - Some data on the pathogenesis of hemorrhoids; anatomicopathological investigation. p.101.

Vil'khovoi, V.F., Maliuk, V.I., Boianivskii, V.I. - Topography of the thoracic duct in curvatures of the spine with displacement of the aorta. p.105.

Kachlai, D.P., Volokh, P.O. - Functional disorders of the cardiovascular system in workers exposed to intensive industrial noise and vibration. p.107.

Suchkov, B.P. - Ozonization of water contaminated with typhoid fever agents. p.110.

Vrochinskii, K.K. - Disinfection of drinking water with ozone. p.115.

Kaliuzhnaia, L.D. - Soil actinomycetes as antagonists of Proteus. p.118.

Tareev, E.M., and others. - Nonspecific (allergic) reactions to smallpox vaccine. p.121.

Ereshchenko, G.I. - Control of enterobiasis in boarding schools. p.126.

Erusalimskii, B.M., Polevaia, F.N. - Importance of sedimentation tests in Botkin's disease and mechanical jaundice. p.129.

Khersonskaia, R.IA., Rybinskaia, L.N., Bitenbinder, E.A. - Clinical and epidemiological characteristics of A_2 influenza outbreaks during interepidemic periods. p.132.

Kokin, M.K., Solikhova, Z.A. - Some data concerning toxoplasmosis; according to materials of a psychiatric hospital. p.135.

Grabovskaia, T.V. - History of the founding of the Kiev first aid station. p.138.

Lutskii, I.F., Pisterman, B.M. - Results of a mass prophylactic examination of the population at a municipal medical center. p.140.

Glukhen'kii, T.T., Kuz'ko, N.V. - Determination of the C-reactive protein and fibrinogen of the blood in a large- and small-focus myocardial infarction and stenocardia. p.143.

Nikula, T.D. - Dissecting aneurysm of the aorta in adolescence. p.144.

Ostrovskii, M.I. - Some errors in the diagnosis of the cardiac pain syndrome. p.146.

Agadzhanian, V.V. - Development of hemorrhagic vasculitis in patients with the periodic disease. p.146.

Populiuk, P.F., Kovaliv, IU.M., Gogoladze, M.P. - Crossed embolism in a patient with a patent foramen ovale. p.147.

Litvinchuk, M.D. - Stetophonendoscope for training. p.148.

Romanovskaia, A.I. - Ballistocardiographic and electrocardiographic studies in disorders of coronary circulation. p.149.

Reiderman, M.I., Slivko, A.B. - Early hormone therapy in acetic acid poisoning. p.150.

Erukhimov, A.S. - Unique sensitivity to dicoumarin. p.152.

Parashchak, A.P. - Serious toxicodermia due to the use of bucarban. p.153.

Vysotin, V.K. - Inhibitory effect of nocturnal sleep on the development of the skin tuberculin reaction. p.153.

Rudyk, B.I. - Splenectomy in chronic lymphadenosis. p.154.

Zaiko, N.N. - Review of G.N.Kassil's book "Hematoencephalic barrier." p.155.

Gurevich, Z.A., Petrov, P.T. - Review of I.D. Khorosh's book "First years of the development of Soviet public health service in the Ukraine (1918-1920)." p.156.

Rott, A.V. - Legal advice. p.157.

YAROSLAVL. MEDITSINSKII INSTITUT. Sbornik nauchnykh rabot [MEDICAL INSTITUTE. Papers]. No.19, 1959. Voprosy normal'noi i patologicheskoi morfologii nervnoi sistemy [Problems of normal and pathological morphology of the nervous system].

Table of contents translated:

Levin, N.A., Stovichek, G.V. - Morphology of the human vagus nerve; the cephalic and cervical sections. p.5.

Beliaev, L.V. - Innervation of the human thyrocervical trunk and its arteries. p.26.

Gutner, I.I. - Deposition of pigments in human nerve cells. p.42.

Zubriakov, S.V. - Innervation of human paraganglia. p.51.

IArygin, N.E. - Pathomorphology of the vegetative nervous system in bronchiectasis. p.55.

Galkin, V.I. - Pathomorphology of the neural apparatus of carotid arteries in diphtheria. p.75.

Galkin, V.I. - Pathomorphology of the vegetative nervous system in diphtheria. p.84.

Oksova, E.E. - Pathomorphology of the central nervous system in cases of catatonic stupor. p.105.

Oksova, E.E. - Pathomorphological changes in the central nervous system in cases of catatonic excitation. p.117.

Andreev, S.F. - Morphology of the neural apparatus of the aorta and the carotid arteries in cardiac decompensation. p.130.

Andreev, S.F. - Morphology of dystrophic and compensatory changes in the vegetative nervous system in rheumatic defects of the heart. p.139.

Nikolaev, G.M. - Pathomorphology of the receptor apparatus of the heart and the aortal arch in acute experimental radiation sickness in dogs. p.160.

Galkin, V.I. - Morphological changes in the neural apparatus of the aorta in diphtheria. p.173.
(DNLM)

No.20, 1959. Kafedra obshchei biologii, normal'noi fiziologii, biokhimii, patologicheskoi fiziologii i fiziki [Department of General Biology, Normal Physiology, Biochemistry, Pathological Physiology, and Physics].

Table of contents translated:

Kornienko, V.G. - Effect of ultraviolet irradiation on the growing organism. p.5.

Kuznetsov, E.I. - Skin temperature asymmetry. Report No.1: Skin temperature asymmetry in healthy animals. p.29.

Kuznetsov, E.I. - Skin temperature asymmetry. Report No.2: Changes in the skin temperature in limited injuries of the cerebral cortex. p.36.

Kuznetsov, E.I. - Skin temperature asymmetry. Report No.3: Effect of a limited injury of the cerebral cortex in the region of the musculocutaneous analysor on the asymmetry of skin temperature following unilateral sympathectomy. p.46.

Singatulin, R.G. - Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.1: Effect of limited injuries of the cerebral cortex in the region of the musculocutaneous analysor on unconditioned reflex secretion of the parotid gland. p.56.

Singatulin, R.G. - Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.2. Conditioned reflex secretion following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. p.67.

Singatulin, R.G. - Motor and sensory disorders in dogs following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. p.77.

Alad'ina, A.N. - Effect of glutathione on the oxidation-reduction processes within the animal organism infected with gas gangrene. p.91.

Fridliand I.B., Alad'ina, A.N. - Vacat oxygen and its relation to total nitrogen in urine in an anaerobic infection. p.98.

Polushkin, B.V. - Rapid increase in the resistance of the organism to parenteral administration of antigens. p.111.

Belov, E.I. - Materials on a critical evaluation of some methods of a functional investigation of blood circulation and respiration. p.127.

Kuchmina, R.S. - Relation between the summary amplitude of stress led off the microphones of gas columns and the concentration of the components in a gas mixture. p.141.
(DNLM)

No.21, 1959. Materialy dissertatsionnykh rabot kafedr gigieny, fakul'tetskoi terapii, rentgenologii i radiologii, boleznei ukha, gorla i nosa i psikhiatrii [Materials of dissertational works of the Departments of Hygiene, Therapy, Roentgenology and Radiology, Ear, Throat, and Nose Diseases, and Psychiatry].

Table of contents translated:

Voronin, A.P. - Materials on the toxicology of cyclohexanone. p.5.

Klokov, A.L. - Clinical aspect and diagnosis of asbestosis. p.31.

Mazov, F.A. - Role of the age factor in the development of trophic disorders in the bones. p.41.

Korotkova, IU.K. - Toxic properties of diazoaminobenzene. p.51.

Korotkova, IU.K. - Toxic properties of powdered silica gel. p.59.

Korotkova, IU.K. - Statistical analysis of so-called "cold" diseases with a temporary loss of working capacity in workers at a rubber industry plant. p.69.

Luzina, A.V. - Some experimental data as to the effect of antimony trioxide on the upper respiratory tracts in laboratory animals. p.81.

Luzina, A.V. - Experimental investigations of the effect of antimony trioxide on the ciliate epithelium of the esophagus in frogs. p.97.

Khokhlov, L.K. - Pseudohallucination syndrome in progressive paralysis and syphilis of the brain. p.107.

Khokhlov, L.K. - Pseudohallucination syndrome in the picture of posttraumatic psychic disorders. p.121.

Ushakov, G.K. - Some pathognomonic clinical features and problems of nosological characterization of manic depressive psychosis. p.133.

Ushakov, G.K. - Nature of manic-depressive psychosis. Report No.2: Genotypic components in the changes of the resistance of a patient's organism. p.145.

Ushakov, G.K. - Nature of manic-depressive psychosis. Report No.3: Genotypic components in the changes of the resistance of a patient's organism. p.155.
(DNLM)

ZDOROV'E [HEALTH]. Issued by Ministerstvo zdravookhraneniia SSSR i RSFSR [Ministries of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol.10, no.5(113), May 1964.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol.7, no.1, Jan.-Feb. 1964.

Table of contents translated:

Sorochan, I.D. - State of and prospects for the development of therapeutic aid in Moldavia. p.3.

Koshchug, R.K. - Organization of the control of cardiovascular diseases and diseases of the gastrointestinal tract in Moldavia. p.6.

Molchanov, N.S. - Hypotonic states; etiology, clinical aspect and classification. p.10.

Diorditsa, A.G. - Frequency of hypotonic states according to materials of examinations of some groups of healthy and sick people in Kishinev. p.15.

Staroslenko, N.T. - Compound pathogenetic therapy of hypertension. p.19.

Poliukhov, M.A. - Change in the quantity of cholesterol, prothrombin and ascorbic acid in the blood of workers with hypertension during work. p.24.

Kogut, M.D. - Changes in blood circulation and the filtration and reabsorption function of the kidneys in hypertension under the influence of a biotron. p.29.

IUlikov, S.A. - Submerged intestinal lavage with the "Kishinevskaya" mineral water in chronic colitis. p.33.

Ambros, F.P. - Effect of the "Sergeyevka-2" mineral water on the secretion and acidity of gastric juice in an experiment on dogs. p.38.

Izvorian, A.A. - Thromboembolism. p.41.

Spynu, A.V. - Determining the volume of the circulating blood and its constants in patients with peptic ulcers. p.43.

Rotar', V.P. - Effect of chemoprophylaxis on the degree of tuberculosis infection and its incidence in children, adolescents and adults. p.45.

Mikhlin, V.M. - Content of catechol amines, acetylcholine and cholinesterase in the cerebrospinal fluid and the reactivity of the central nervous system in a catatonic form of schizophrenia. p.49.

Koshchug, R.K. - Role of a feldsher in the prevention and decrease of the incidence of diseases of the cardiovascular system and the alimentary canal. p.54.

Sedykina, E.I., Sokolova, N.F. - Characteristics of the course of chronic leukemia. p.56.

Gol'dberg, A.M., Svider, E.M., Levandovskaia, S.IA. - Dispensary service for patients with hypertension and peptic ulcers. p.58.

Goncharova, R.V. - Characteristics of the course of peptic ulcers according to materials of the therapeutic department of the Tiraspol' Municipal Hospital. p.60.

Brief news. p.62.

Vol.7, no.2, Mar.-Apr. 1964.

Table of contents translated:

Testemitsianu, N.A. - Chemical industry, intensification of agricultural production, and the problems of public health institutions of the republic. p.3.

O[illegible], E.G. - Characteristics of traumatism and the state of traumatological aid in Kishinev. p.8.
K[illegible], I.P. - Community in the control of tuberculosis. p.10.
R[illegible], V.I. - Use of a linear planning method in the perspective planning of public health. p.11.
V[illegible], IU.I., Diakatenko, A.P. - Nitrates in the ground waters of the Moldavian S.S.R. and their hygienic significance. p.13.

P.F. Zol[illegible] on his 70th birthday. p.16.
[illegible], Z.K. - Corticosteroids and ACTH in the complex treatment of acute pancreatitis. p.17.
[illegible], A.I. - Late results of surgical treatment of acute cholecystitis in elderly and senile persons. p.21.
[illegible], A.A. - Effect of loss of blood in animals following radiation sickness in association with mechanical trauma. p.23.
[illegible], G.A. - Effect of brevicolline hydrochloride on the contractive activity of the uterus in animals. p.28.
[illegible], B.Kh. - Characteristics of some malignant neoplasms of the skin in the light of ultraviolet-fluorescent and histochemical analysis. p.31.
Tri[illegible], N.F. - Treatment of fresh forms of pulmonary tuberculosis with corticosteroid hormones. p.34.
Chebotareva, E.A. - Extent of hypertension in the industrial collectives of Kishinev. p.39.
Batsak, A.I. - Restitution of the permeability of the fallopian tubes using trypsin in sterility. p.41.
Makov', R.P. - Electroduodenography and its significance in the diagnosis of some diseases of the duodenum and biliary tract. p.45.
Stamatin, S.I. - Migration of Dubrov's pin down the medullary canal of the hip. p.49.
German, D.L. - Torsion of the greater omentum. p.50.
Krips, G.M. - Subcutaneous rupture of the gallbladder. p.51.
Blakhman, B.IU., Zgrivets, S.G., Titov, A.S. - Late surgery on subcutaneous rupture of the small intestine with good results. p.52.
K[illegible], V.T. - Herniotomy with the treatment of the hernial sac by Razumovskii's method. p.52.
R[illegible], S.D. - Fibromyoma of the stomach. p.53.
G[illegible], E.A. - Traumatic diaphragmatic hernia in a child. p.54.
[illegible], I.I. - Extensive resection of the small intestine in connection with knotting in an elderly patient. p.55.
Lebel'zon, L.E. - Echinococcal cyst of the vermiform process. p.56.
Aniukhovskii, A.S. - Primary tumor of the diaphragm. p.57.
Buchinskaia, A.A. - Rectal hemorrhage in a five-month pregnancy. p.58.
Zverev, A.F. - Large cavernous lymphangioma in the lumbar region of an infant. p.59.
Review. p.60.
Brief news. p.62.

ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE OF WHITE RUSSIA]. Organ of Ministerstvo zdravookhraneniia BSSR [Ministry of Health of the White Russian S.S.R.]. Minsk, nos.8-9, 11-12, Aug.-Sept., Nov.-Dec., 1962; nos.4-5, 10, Apr.-May, Oct. 1963; nos.2, 4-5, Feb., Apr.-May 1964.

Vol.9, no.6, June 1963.
Table of contents translated:
Aleksandrov, N.N., Gutman, Z.M. - Status of prevention, diagnosis and treatment of malignant tumors in the White Russian S.S.R.; data for 1962. p.3.
Klimkovich, T.I. - X-ray diagnosis of cancerous caries. p.7.
Maizel', M.L. - Cancer of the stomach from data of the oncosurgical department of the First Clinical Hospital in Minsk. p.9.
Kukhta, V.K. - Blood mucopolysaccharides in cancer of the gastrointestinal tract. p.10.
Marezhinskii, M.F. - Estrogens and their protective role in metabolic processes. p.13.
Pelentskii, V.G. - Compression fixation of the resected knee joint under clinical and experimental conditions. p.16.

Lan'ko, I.S. - Coproliths of the intestine. p.18.
Grishel', I.I. - Compensation of hemodynamic and hematologic disorders in the surgical treatment of lung diseases. p.21.
Svito, E.I. - Carotid-cavernous anastomoses. p.25.
Dulaev, S.G. - Angiographic examination of the major arteries of the lower extremities in atherosclerosis. p.28.
Dozorets, IU.L. - Antitoxic function of the liver in thyrotoxicosis before and following radioactive iodine treatment. p.30.
Malina, L.A. - Immediate results of the surgical treatment of uterine fibromyoma. p.31.
Tagunova, G.A., Sheremet'eva, L.G., Levkevich, G.V. - Rhesus sensitization in women. p.34.
Ivanov, E.P. - Significance of the thromboplastin generation test in the clinical aspects of hemorrhagic states. p.38.
Osadchaia, O.V. - Cobalt in the uterine mucosa during the menstrual cycle. p.43.
Serzhanina, A.N. - Candidiasis of the lungs. p.45.
Timofeeva, O.N. - Smooth musculature of the human pulmonary pleura. p.47.
Mogilevchik, A.Z. - Treatment of penetrating eye injuries with cortisone. p.49.
Chikun, M.S. - Effect of potassium permanganate on experimental hyperkinesia caused by convulsant poisons. p.52.
Krivoshchekii, A.F., Grebennikova, D.M. - Dispensary service in stomach diseases. p.54.
Kuchinskaia, N.M., Rubinshtein, TS.I., Fridliand, E.I. - Prevention of vibration disease. p.56.

Morozova, L.E. - Sanitary working conditions for employees of the Gomel Glass Plant. p.57.
Gul'tsov, O.V. - Diseases of the peripheral nervous system in workers of the Orsha Locomotive Depot. p.59.
Shpilevskii, E.M. - Temperature conditions in large-panel houses with insulated roofs. p.63.
Bakalov, A.N., Mostyko, E.S., Polivoda, Z.M. - Methods for decreasing acute intestinal diseases. p.66.
Chernysh, E.I. - Treatment of coli enteritis. p.68.
Ekimova, A.L. - Lesions of the menisci of the knee joint. p.69.
Zelichenok, I.A., Biskina, K.N. - Vitamin B_{12} treatment of diseases of the peripheral nervous system. p.71.
Belenkov, A.K. - Treatment of intestinal obstruction. p.72.
Cheshnik, V.G., Kontorova, D.E. - Technique of bronchography. p.74.
Vorobeichik, IA.N., Bolobolov, I.F. - Preservation of bacterial preparations in medical and obstetrical stations and rural hospitals. p.76.
Kaplun, M.E. - Combination of two tumors with different localization and morphological structure in a patient. p.77.
Babitskii, G.S. - Acute peritonitis following internal urethrotomy. p.78.
Kharevich, N.I. - Surgery in uterine fibromyoma during pregnancy. p.79.
Kot, A.I., Kazachenok, V.M. - Complications in acute appendicitis. p.80.
Krasnikova, E.IA., Leonovich, A.L. - Spontaneous nasal liquorrhea. p.81.

Brainin, Z.S. - Results of the commemorative session dedicated to the 100th anniversary of the Mogilev Scientific Society of Physicians. p.83.
Klebanov, G. - Fourth Plenum of the Central Committee of the Red Cross Society of the White Russian S.S.R. p.85.
Piletskii, M. - Seventh Minsk Province Conference of the Trade Union of Medical Personnel. p.87.
Markov, D.A., Korin, M.M. - Activity of the White Russian Scientific Society of Neuropathologists and Psychiatrists for 1961-1962. p.88.
Activity of the periodical "Zdravookhranenie Belorussii" in 1962. p.90.
Brief news. p.94.

ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN]. Issued by Ministerstvo zdravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S.S.R.]. Alma-Ata, no.7, 1961; no.12, 1962; no.3, 1963.

Vol.22, no.10, 1962.
Table of contents translated:
Sviridov, A.A. - Some aspects of favus control in Ural'sk Province. p.3.
Kazbekov, E.S. - Industrial trauma in the Balkhash mining and metallurgical complex. p.5.
Vainbaum, IA.S., Shishkina, T.N., Semenov, A.A. - Study of external respiration in mitral stenosis. p.10.
Nugmanov, E.K. - Pathogenic relation between acute pancreatitis and acute diseases of the gallbladder and bile ducts. p.16.
Kokh, A.A. - Hallux valgus and K.N. Kochev's operation. p.18.
Akhundov, I.I. - Diagnosis, therapy and late observations of patients with tumors of the upper urinary tract. p.22.

Podgainyi, A.E. - Evaluation of cavernotomy as a therapeutic method in giant cavities. p.27.
Il'ina, T.IA. - Course of pregnancy and labor in patients with pulmonary tuberculosis. p.30.
Sobolev, V.A. - Comparative data on the course of hypertension under the conditions of Alma-Ata and Semipalatinsk. p.34.
Guzeeva, V.A. - State of blood proteins in brucellosis. p.40.
Levanov, IU.M. - Electrophoretic examination of protein fractions in the blood serum of donors. p.46.
Sergeev, S.IA. - Treatment of skin diseases at the mineral springs of Barlyk-Arasan. p.47.
Bornshtein, V.A. - Muscle glycogen concentrations in experimental hypothermia. p.51.
Salekhov, M.I. - Effect of tungsten-containing dust on the lungs of white rats. p.54.

Teglsbaev, E.T. - Medicinal plants in the southern Dzhungarian region. p.56.
Kuchinskaia, N.S. - Content of carotene in wild plants of Alma-Ata Province. p.59.
Kolendovich, A.I. - Epidemiological effectiveness of antitularemia vaccinations in TSelinograd Province. p.63.
Sindina, N.G. - Artificial illumination in schools in Alma-Ata. p.66.
Zharkov, V.P. - Treatment of warts with acrichine. p.68.
Aliev, V.M. - Fibrosarcoma of the stomach. p.69.
Pavlov, V.V., Kovalev, V.A. - Extensive cavernous hemangioma. p.71.
Basargin, P.S. - Case of calcinosis of the skin. p.72.
Tolstov, V.N., Tolstov, K.N. - Orientation method for the determination of blood sugar. p.75.

Petr Dmitrievich Gorizontov; on the 60th anniversary of his birth. p.77.
Aldanazarov, A.T. - All-Union Symposium on Problems in the Radiotherapy of Nonneoplastic Diseases. p.79.
(DNLM)

Vol.23, no.4, 1963.
Table of contents translated:
Raise the standard of the science of biology. p.3.
Briakin, IU.M., Izmukhamov, A.K. - Experience in the surgical therapy of congenital heart defects. p.6.
Pavlov, V.V., Khakhalkina, L.K. - Application of endotracheal anesthesia. p.10.
Kuznetsov, V.G. - Treatment of paronychia. p.14.
Oskolkova, M.P. - Residual deformation of the nose and upper lip following surgery of bilateral congenital clefts of the upper lip. p.15.
Ivashchenko, L.I., Radionov, IU.M. - External dacryocystorhinostomy. p.19.
Brofman, A.V. - Some problems of otogenic intracranial complications. p.22.

Kulybekova, G.F. - Stillbirth in pelvic presentation. p.25.
Mezenchuk, E.A., and others. - Change in the blood protein fractions during the treatment of rheumatic fever. p.28.
Arykova, R. - Dynamic investigation of some blood coagulation components in hypertension and atherosclerosis. p.32.
Zinov'ev, I.P. - Time period for preliminary antibacterial therapy in artificial pneumothorax. p.37.
Khasenov, A.N. - Disability in tuberculosis among the population of the city of Semipalatinsk. p.39.
Chikov, A.P. - Use of 4% epilin plaster in the treatment of mycoses of the scalp under rural conditions. p.42.
Sokolova-Ponomareva, O.D. - Current clinical and preventive problems in rheumatic fever in children. p.46.

Gredina, G.G. - Diagnostic errors in rheumatic fever in children. p.49.
Maskeev, K.M. - Late results of antibacterial therapy of osteoarticular tuberculosis in children. p.53.
Krivoshto, M.A. - Infectiousness and morbidity dynamics of tuberculosis in infants in Alma-Ata. p.56.
Kurginskaia, F.A. - Medullary hematopoiesis in children with rickets and pneumonia. p.59.
Kataluba, K.A., Gzulin, F.I. - Hepato-cerebral dystrophy in children. p.61.
Galuzo, I.G. - Animal toxoplasmosis as a source of human infection. p.65.
Sindina, N.G. - Hygienic evaluation of the schedule for schoolchildren in Alma-Ata. p.67.
Urazakov, I.U. - Shubat and its products. p.70.
Gal'ianov, S.N. - Atherosclerotic neuritis. p.72.
Aliev, M.A., and others. - Case of myocardial infarct during surgery. p.73.

Aliev, M.A., and others. - Two cases of osteopoikilosis. p.74.
Sheveleva, L.N. - Case of ophthalmomyiasis caused by the gadfly larva. p.75.
Broer, B.A. - Micromethod for the determination of Lupus erythematosus cells. p.77.
Kereev, N.I. - Conference on problems of medical geography. p.79.
(DNLM)

ZDRAVOOKHRANENIE TADZHIKISTANA [HEALTH SERVICE OF TAJIKISTAN]. Issued by Ministerstvo zdravookhraneniia Tadzhikskoi SSR [Ministry of Health of the Tajik S.S.R.]. Dushanbe, vol.10, no.6(56), 1963; vol.11, no.1(57), 1964.

ZDRAVOOKHRANENIE TURKMENISTANA [HEALTH SERVICE OF TURKMENISTAN]. Organ of Ministerstvo zdravookhraneniia TSSR [Ministry of Health of the Turkmen S.S.R.]. Ashkhabad, nos. 7-8, 10, July-Aug., Oct. 1963.

Vol. 7, no. 12(48), Dec. 1963.

Table of contents translated:

Annamuradov, N. - Medical care of the population must be continuously improved. p. 3.
Conference of the active members of the medical personnel of the Turkmen S.S.R. p. 10.
Gleiberman, S.E., Bairamova, E. - Morphological changes in the internal organs of guinea pigs in conjunctival infection by dysentery bacteria and Salmonella. p. 17.
Khadzhi-Muradov, M.K. - Extensive resection of the hip joint in tuberculous coxitis. p. 23.
IAlimov, B. - Tuberculosis of the breast. p. 25.
Volobuev, IU.M., Bagdasarov, V.B. - Some characteristics of the statistics and clinical aspects of the appendicular infiltrate. p. 27.
Mavyev, O.A. - Surgeon's technique in treating acute appendicitis complicated by an infiltrate. p. 29.
Skavinskaia, L.V. - Method of gathering material in the diagnosis of diphtheria. p. 32.
Klinotina, E.D. - Work of the nurses council. p. 33.
Preisman, A.B. - Sixtieth anniversary of the First Congress of Russian Obstetricians and Gynecologists (1903-1963). p. 35.
Khallyeva, Enegul'. - Unforgettable days. p. 39.

Vol. 8, no. 1(49), Jan. 1964.

Table of contents translated:

Sharapov, A.A. - Venous and arterial pressure in tuberculosis patients following antibacterial and surgical treatment. p. 3.
Ismailov, F.M. - Effectiveness of surgical treatment in pulmonary tuberculosis. p. 8.
Potekhin, V.V., Slesareva, L.V. - Diagnostic errors in lung cancer. p. 11.
Mamedova, M., Dvornikova, R.M., Egorova, N.A. - External secretory function of the pancreas in hypertension. p. 14.
Gurtovoi, B.L., Imshenetskaia, K.I. - Calcium and phosphorus in the milk of parturients under the climatic and geographical conditions of dry subtropics. p. 16.
Annaev, A.A. - Case of a knife wound of the right iliac vein. p. 20.
Berdykeev, A.M. - Three cases of a carcinoid of the vermiform process. p. 21.
Korneichuk, E.A. - Rupture of the uterus along the cicatrix of a former cesarean section with a transverse section of the lower segment. p. 22.
Kulieva, O.N. - Results of the decrease of dysentery incidence on sections of the Ashkhabad Railroad. p. 23.
Ivanov, F.M. - Importance of the reaction of complement fixation in the diagnosis of dysentery. p. 27.
Ermina, A.S. - Epidemiology of Botkin's disease in Ashkhabad. p. 30.
Bairamov, M.B. - Incidence of disease among the workers of the sulfanol workshop of the Krasnovodsk Petroleum Refinery. p.33.
Gel'dyev, Kh. - Incidence of disease with a temporary loss of working capacity in chronic intoxication with styrene in industry. p. 36.
Kosarikhina, N.A. - Duties of a nurse in the department of infectious diseases. p. 39.
Avakova, E.L. - Storing and sterilizing urological instruments. p. 44.
In the Scientific Society of Surgeons of the Republic. p. 46.

***ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOBIOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOBIOLOGY].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 4, Apr. 1963.

Table of contents translated:

Towards new progress in the science of biology. p. 3.
Chistovich, G.N. - Experimental study of concomitant whooping cough and staphylococcal infections of the lungs. p. 6.
Bakulina, E.V. - Characteristics of the bacterial carrier state in experimental ocular diphtheria caused by Corynebacterium diphtheriae in association with pathogenic cocci. Report No. 1: Dynamics of the isolation of diphtheria bacteria, pseudo-diphtheria bacteria and diphtheroids. p. 11.
Lenkina, M.S., Zhdanov, I.S. - Indices of antidiphtheria immunity in children having previously had measles or whooping cough, based on the Schick and indirect hemagglutination reactions. p. 16.
Kostiukovskaia, O.N. - Some immunity indices in Corynebacterium diphtheriai carriers. p. 20.
Kocherovskii, IU.E. - Data on the pathogenesis of diphtheria. Report No. 3: Microflora of the pharynx and nose and the clinical aspects of diphtheria. p. 23.
Alisov, P.A., Kazantsev, A.P., Orechkina, M.L. - Effect of vaccine therapy (by electrophoresis) on the dynamics of some immunological indices in scarlet fever. p. 26.
Chertkova, M.A., Khoma-Lemishko, A.M. - Content of nucleic acids in drug-sensitive and resistant mycobacteria. p. 31.
Koz'min-Sokolov, B.N. - Tuberculosis bacteriophage; a review. p. 35.
Musabaev, I.K., Guseva, D.M. - Electrophoretic study of the serum proteins in viral influenza A2. p. 38.
Khrushchova, V.A., Teitel'baum, F.M., Malants, Sh.G. - Determination of the toxigenicity of staphylococci by precipitation in agar. p. 43.
Vlodavets, V.V. - Determination of the viability of bacteria in aerosols. p. 46.
Sinel'nikova, E.P. - Liquid foamy filters for the absorption of bacterial aerosols. p. 49.
Bessonova, M.A., Privalov, A.F. - Comparative characteristics of the growth of Corynebacterium diphtheriae on coagulated serum and tellurite-cystine medium; author's abstract. p. 54.
Galunina, Z.I., Sheftel', L.M. - Use of tissue culture in diphtheria diagnosis; annotation. p. 54.
Maiorova, G.F., Borodiiuk, N.A. - Effect of ultrasonic waves on whooping cough vaccine and diphtheria anatoxin; annotation. p. 56.
Kolomoitsev, L.R., Geonia, N.I., Sheikman, A.K. - Chemotherapy in diphtheria; annotation. p. 56.
Bialik, Z.M. - Experimental and epidemiological studies on leptospirosis in birds; annotation. p. 57.
Pisarevskii, IU.S. - Anatomicophysiological characteristics of the human and animal respiratory systems in the genesis of immunity following vaccination by the aerosol method. Report No. 1: Role of the structure of the airways in the mechanical retention of inhaled material. p. 57.
Ginsburg, N.N., Maslova, T.N. - Phagocytic capacity in cellular elements of macrophage cultures in vitro. Report No. 2. p. 62.
Aleksandrov, N.I., and others. - Search for effective chemical vaccines against some zoonoses. Report No. 3: Development of a chemical plague vaccine and its experimental test in animals. p. 66.
Morgunov, I.N., and others. - Experimental search for a dysentery infection model. Report No. 5: Use of the stimulation summation principle for reproducing dysentery in guinea pigs. p. 72.
Churbanova, A.K. - Compound therapy of an associated purulent infection against a background of previous radiocobalt gamma-ray irradiation. p. 78.
Vlasova, E.V., TSurikov, E.F. - Obtaining native Clostridium sordelli anatoxins and their immunological characteristics. p. 83.
El'chinova, E.A., Andreeva, Z.M. - Study of the soluble antigens of Flexner's bacilli in hemagglutination reactions. p. 87.
Emel'ianova, O.I., Shvetsov, V.S. - Kittens as a model for the study of colienteritis. p. 93.
Kurdina, D.S. - Comparative study of the residual virulence of vaccinal strains of various types of Brucella. Report No. 2. p. 97.
Kalabukhov, N.I., Shirokova, G.P., Shtel'man, A.I. - Effect of vitamins C and E on the physiological characteristics and sensitivity of the gerbil Meriones meridianus to plague infection. p. 102.
Kheifets, M.A., Zakordonets, V.S. - Inequality of accumulation media for various types of Salmonella. p. 107.
Kambaratov, P.I. - Clinical evaluation of the phage titer growth reaction as a method of laboratory diagnosis of acute dysentery. p. 113.
Ustin-Petrova, T.F. - Epidemiology of tularemia in natural foci of Krasnodar Territory. p. 117.
Gorshunova, L.P. - Revaccination against rabies. p. 123.
Uglovoi, G.P. - Biological activity of skin tularin at various periods after preparation. p. 128.
Ershov, F.I., Bykova, Z.A. - Biological characteristics of plague bacteriophages. p. 131.
Karimov, Z.K., Nogovitsina, P.S., Zheltukhin, E.N. - Age related structure of viral hepatitis (Botkin's disease) morbidity. p. 136.
Levitov, V.V. - Experience in the eradication of rabies in Dnepropetrovsk Province. p. 140.
Reviews, criticism and bibliography. p. 146.
Soviet literature. p. 153.
Brief news. p. 159.

Vol. 40, no. 9, Sep. 1963.

Table of contents translated:

Pavlov, P.V., and others. - Experimental study of combined vaccine for active immunization against scarlet fever, diphtheria, whooping cough and tetanus. p. 3.
Mamaeva, E.A., and others. - Comparative study of immunological changes in revaccination with pertussis and pertussis-diphtheria vaccine. p. 10.
Gordina, R.V., and others. - Data on the reactogenicity of pertussis-diphtheria-tetanus vaccine. p. 14.
Topolianskaia, S.I., and others. - Effectiveness of pertussis vaccinations. p. 18.
Zhogova, M.A., Panteleeva, T.B. - Effectivene specific pertussis prevention in an urban distr p. 22.
Demina, A.A., and others. - Bacteriological dia sis of pertussis under conditions of mass spec vaccination. p. 26.
Usmanova, S.A. - Compound immunization by pe tussis-diphtheria-tetanus and smallpox vaccin p. 30.
Skliarova, N.N. - Data on the microbiological an immunological characteristics of parapertussi in Leningrad. p. 36.
Maiorova, G.F., Korn, M.IA. - Study of the spec lty of antipertussis fluorescent serum. p. 42.
Zaglukhinskaia, E.N. - Interaction between the p tussis pathogen and tissue cultures. p. 49.
Shelest, G.M. - Microbiological diagnosis of dip using a new culture medium. p. 52.
Kriukov, IU.M., and others. - Results of the use some new methods of bacteriological diagnosis diphtheria in practical laboratories. p. 54.
Dzhavrova, I.K., Apanashchenko, N.I., Kashints N.S. - Study of the immunogenic properties of sorbed diphtheria-tetanus anatoxin. p. 57.
Mitel'man, S.L. - Study of the epidemiological eff tiveness of purified sorbed scarlet fever toxin. p. 61.
Tydel'skaia, I.L., Myslavskaia, I.S. - Serologica differentiation of streptococci isolated from the blood of patients with various forms of endocard tis. p. 65.
Chertkova, F.A., Loran, I.D. - Control of the immunogenic properties of purified sorbed stap lococcal anatoxins in experiments on white mice p. 70.
Manev, Kh.A. - Causes of the seasonal nature of droplet infections. p. 73.
Pokrovskaia, M.P., and others. - Cytologic study of the process of recovery in animals immunize by Vi antigen and infected by virulent typhoid fever bacilli. Report No. 2. p. 79.
Bairamova, R.A. - Experiment in the infection of chicken embryos with tick-borne spirochetosis by feeding infected Ornithodorus ticks on them. p. 83.
Favorova, L.A., and others. - Study on the insecti dal properties of butadione and some data on its content in the blood serum and in dead insects. Report No. 2. p. 84.
Vorob'ev, A.A., and others. - Study of botulin anatoxins. Report No. 6: Type D botulin anatox p. 87.
IAfaev, R.Kh. - Detection of plague and tularemia infection in rodents. p. 93.
Shapiro, N.I., Dudkina, M.I., Trofimova, L.V. - Changes in the oxidation-reduction potential in media during submerged culture of paratyphoid bacteria. p. 97.
Efimova, A.A. - Carbohydrate composition of spec polysaccharides in various serological types of Escherichia coli. p. 101.
Levina, A.A. - Sources of infection by pathogenic staphylococci. p. 106.
Grinberg, L.D. - Biology and classification of Newcastle dysentery bacilli. p. 109.
Novgorodskaia, E.M., Khazenson, L.B., Krivonosova, K.I. - Colienteritis in newborn infants caused by a rare serological type O111:B4:H12 Escherichia coli. p. 116.
Voronin, IU.S., and others. - The golden (Syrian) hamster (Cricetus auratus, W., 1939) as an experimental model in anthrax. p. 120.
Solodovnikov, IU.P. - Water and food-borne outbre of bacterial dysentery; review of foreign literatu p. 125.
Shapiro, S.E., Kireeva, R.IA. - Characteristics o the clinical course of brucellosis in the Far Eas p. 129.
Smirnov, V.P., Kulikova, V.L., Shchekanova, Z.I. - Use of white rats for the determination of immunogenic properties of anticholera preparations. p. 130.
Kiris, N.D. - Comparative study of brucellosis ant gens by precipitation in agar. p. 130.
Savenkov, D.A. - Etiological significance of Bacter alkalescens. p. 131.
Kocherovskii, IU.E., Abubakirova, F.Z. - Materia on the pathogenesis of dysentery. Report No. 4: Significance of the titers of anti-O-streptolysins as an index to the participation of streptococci in the etiopathogenesis of clinical forms of dysentery. p. 132.
Rotov, I.V. - Treatment of experimental brucellosi with specific gamma-globulin. p. 133.
Manolova, E.P. - Restoration of antidiphtherial immunity following use of vitamins. p. 133.
Ignat'eva, G.V. - Reactogenicity and immunological effectiveness of the pertussis-diphtheria-tetanus vaccine. p. 134.
Raikhshtat, G.N., and others. - Bacteriological examination of children admitted to day nurseries as an additional method for early detection of brought-in dysentery. p. 135.

[illegible]

V[illegible], I.I. - Duration of the preservation of para-[illegible] properties by parastrains of Escherichia coli under laboratory conditions. p. 136.

B[illegible], G.A. - Characteristics of some biological properties of phages isolated in Chita which act against the pathogenic serologic types of Escherichia coli. p. 137.

L[illegible], Z.F. - Isolation of tularemia microbe from patients with the oculobubonic form by direct seeding on amino peptide agar. p. 137.

M[illegible], M.I., Vasilchenko, T.N. - Reversion of the filtering forms of Proteus in the animal body. p. 138

[illegible], G.P. - Microbiological picture of the surface of the tonsils in healthy and sick children; data from a boarding school. p. 139.

Raskin, M.M., Elkoni, L.G. - Data from the study of Schick's reaction in children at pediatric institutions of Chita. p. 139.

[illegible], E.A. - Effect of furacillin and furazolidone on the coli paratyphoid fever group microbes under experimental conditions. p. 140.

[illegible], M.D., Rodina, V.IA. - Preparation of rabbit antihorse serum for the purpose of obtaining fluorescent conjugates. p. 140.

Raikhshtat, G.N., and others. - Diphtherial bacteria carrier state among immune children in a collective. p. 141.

Lur'e, S.Kh., Krishtop., S.S. - Apropos the discussion on the elimination of infectious diseases; opinion of practical workers. p. 142.

R[illegible], S.N. - Some epidemiological terms. p. 143.

Sokolovskaia, G.G. - Some epidemiological characteristics of infections caused by conditioned pathogenic agents. p. 144.

Nabokov, V.A. - A whole life in the peoples' service; on the 70th birthday of Petr Grigor'evich Sergiev. p. 147.

[illegible]ich, V.A. - Reviews, criticism and bibliography. p. 149.

Vil'shanskaia, M.L. - Soviet literature. p. 151.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

PEDIATRIIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 41, no. 12, 1962; vol. 42, nos. 4, 10-12, Apr., Nov.-Dec. 1963; vol. 43, nos. 1-2, Jan.-Feb. 1964.
(DNLM)

PEDIATRIIA, AKUSHERSTVO I GINEKOLOGIIA [PEDIATRICS, OBSTETRICS, AND GYNECOLOGY]. Organ of Ministerstvo okhorony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 18, no. 6, 1956; vol. 22, no. 2, 1960; vol. 23, no. 2, 1961; vol. 25, nos. 4, 6, 1963; vol. 26, nos. 1-2, 1964.

Vol. 42, no. 9, Sep. 1963.

Table of contents translated:

Biriukova, Z.I., Studenikin, M.IA. - Development of biological problems in the field of pediatrics. p. 3.

Titova, A.I. - Prevention and treatment of pneumonia in young children. p. 7.

Khersonskaia, R.IA., Blitenbinder, E.A., Pashchenko, A.S. - Clinical and roentgenological pulmonary changes in adenoviral diseases. p. 14.

Shul'ga, L.P. - Kinetics of acid hemolysis of erythrocytes in microfocal pneumonia in children. p. 19.

Kaplan, A.S., Gaeva, L.L., Makarenko, G.A. - Analysis of an outbreak of adenovirus diseases in the departments of a children's tuberculosis sanatorium. p. 23.

Parfenova, I.P., Trigub, N.I. - Prolonged clinical and roentgenological follow-up of children with first signs of tuberculin allergy. p. 27.

Rovenskaia, N.M. - Morphological changes in the brain in whooping cough complicated by pneumonia. p. 34.

Demina, A.A., Arkhangel'skaia, K.N., Larina, L.I. - Some characteristics in the course of whooping cough under present conditions. p. 38.

Silakova, A.V., Zakharova, N.V. - Clinical aspects of whooping cough in children inoculated with antipertussis vaccines. p. 43.

Sviatkina, K.A. - Some data on pathogenetic therapy of rickets. p. 48.

Gracheva, A.G. - The effect of rickets and hypotrophy on the enzymatic function of the digestive system in pneumonia in children. p. 51.

Nemzer, M.P., Belogorskii, V.IA. - Vitamin D deficiency in pre-school children living in the Far North. p. 55.

Belogorskii, V.IA., Nemzer, M.P. - Development (differentiation) of the osseous system in children living in the Far North. p. 60.

Tarasov, L.A. - Deformations of the osseous system in children of arctic regions. p. 64.

Fateeva, E.M., and others. - Differential diagnosis and treatment of some forms of rickets-like diseases in children. p. 69.

Vodkailo, L.V. - Prevention and treatment of rickets in young children under polyclinical conditions. p. 74.

Shmukler, B.A. - Renal tuberculosis in children and adolescents. p. 78.

Sukmanskaia, E.I. - Effect of desoxycorticosterone acetate on the phagocytic activity of leucocytes in children with intestinal toxicosis. p. 82.

Lazareva, N.A. - Hormone therapy in complex treatment of pneumonia in young children. p. 86.

Alferov, V.P. - Blood serum glycoproteins in rheumatic children. p. 87.

Lapin, N.N. - Epidemiology of infectious hepatitis (Botkin's disease) in children. p. 88.

Tint, E.G., Zhukova, E.K. - Ventricular form of paroxysmal tachycardia in children. p. 89.

Book reviews. p. 90.

Brief news. p. 94.
(DNLM)

VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MOTHER AND CHILD CARE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 7, nos. 10-11, Oct.-Nov. 1962; vol. 8, nos. 4-6, 8-12, Apr.-June, Aug.-Dec. 1963; vol. 9, nos. 1-4, Jan.-Apr. 1964.

Vol. 7, no. 6, June 1962.

Table of contents translated:

Lebedev, D.D. - Intensify the control of infectious diseases in children. p. 3.

Chuprova, L.A. - Agglutination and hemagglutination reactions in the diagnosis of colibacillary intestinal diseases in children. p. 5.

Vereshchagin, I.A., Pustovalova, Poliakova, L.K. - Monomycin treatment of bacillary dysentery in children. p. 10.

Kosarev, V.S. - Diagnostic value of the bacteriophage titer rise reaction in bacterial dysentery in children. p. 13.

Berzina, L.A., and others. - Characteristics of acute gastrointestinal diseases in children according to materials of a diagnostic department. p. 17.

Ushakova, V.S. - Late cardiovascular disorders in diphtheria. p. 22.

Skliarova, N.N., Kozlova, N.A. - Some problems of microbiology and immunology of whooping cough during mass immunization. p. 26.

Kaialina, L.N. - Disorder of the oxidizing processes in whooping cough. p. 30.

Shakhgil'dian, I.V. - Differential diagnosis of the anicteric form of Botkin's disease in children. p. 33.

Rudenskaia, I.N. - Some changes in the vegetative nervous system and the cardiovascular system in Botkin's diseases in children. p. 39.

Kupershtein, A.P. - Diagnostic and prognostic significance of determining glutamino-oxaloacetic transaminase in Botkin's disease in children. p. 44.

Rodov, M.N. - Clinicopathogenic characteristics of typhoid fever in children. p. 48.

Akimov, IU.A. - Character of microflora and its sensitivity to antibiotics in treating acute nonspecific lymphadenitis in children. p. 52.

Foi, A.M., Anisimova, M.I. - Stillbirth and maternal mortality in placental presentation. p. 55.

Khelfets, S.N. - Diagnostic significance of histological examination of endometrial scrapings in sterility. p. 61.

Kvater, E. I., Marshak, M.S. - Diet of pregnant and nursing women. p. 65.

Pastukhova, I.A., Vorozhtsova, V.G. - Experience in caring for premature children in obstetric institutions in Pskov Province. p. 71.

Loverdo, T.V. - Wissler-Fanconi's syndrome. p. 74.

Kondratenko, O.I. - Lumbar punctures in children. p. 76.

Libenzon, L.L., Mikhailova, T.A. - Postpartum thromboembolism of the mesenteric vessels. p. 79.

Pototskii, IA.V. - Pregnancy in the closed rudimentary horn of the uterus. p. 83.

Lipmanovich, S.G. - A.N. Rakhmanov; on the 100th anniversary of his birth. p. 84.

Bubnova, M.M. - Second All-Russian Conference of Pediatricians. p. 87.

Zver'kova, F.A., Karakulina, L.P. - Review of the book by M.T. Brill' "Eczema in children." p. 93.

c. NEUROLOGY & PSYCHIATRY

*ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoiuznoe obshchestvo nevropatologov i psikhiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 63, no. 10, 1963.

Table of contents translated:

Panov, A.G., Remezov, P.I., Shvarev, A.I. - Diagnosis of lymphocytic choriomeningitis. p. 1441.

Gol'del'man, M.G. - Rheumatic lesions of the diencephalon. p. 1445.

Luk, A.N. - Rheumatic meningoencephalitis as a complication of surgical treatment of acquired heart defects. p. 1449.

Davidenkova, E.F. - Nosological position of diphasic meningoencephalitis among other tick-borne encephalites. p. 1453.

Vizen, E.M. - Atypical forms of tick-borne encephalitis. p. 1462.

Salganik, E.L. - Changes in the nervous system as a complication following antirabic vaccination. p. 1467.

TSuker, M.B., Voroshilova, M.K., Leshchinskaia, E.V., Beliaeva, A.P., Andreeva, A.S. - Problem of poliomyelitis-like diseases. p. 1471.

Zlatoverov, A.I., IArtseva, L.V., Krasil'nikova, N.A. - Oligophrenia, ataxia, bilateral cataract (Marinesco-Sjögren syndrom) associated with congenital toxoplasmosis. p. 1478.

Ovcharova, P., and others. - Clinical picture of neural candidiasis. p. 1482.

Likhterman, L.B. - Clinicoanatomical variations of tumors of the septum pellucidum. p. 1486.

Pavlonskii, IA.M., Garova, E.P. - Clinical aspects and pathological anatomy of malignant adenomas of the hypophysis. p. 1493.

Ovnatanov, B.S. - Primary responses of the auditory and visual analysor in brain tumors according to electrocorticographic data. p. 1499.

Karpenko, V.M. - Clinical aspects and treatment of sympathetic ganglionitis. p. 1509.

Morozova, T.N., Shumskii, N.G. - Endogenous depressions and external factors. p. 1516.

Strakhov, A.P. - Characteristics of the photoerythemic skin reaction in patients with manic-depressive conditions and its dynamics during the course of treatment. p. 1522.

Efimenko, V.L. - Erythemic reaction of the skin to ultraviolet irradiation and its dynamics in the course of treatment in various forms of depression; reactivity of the autonomic nervous system in depressions. p. 1526.

Mashkovskii, M.D., Roshchina, L.F. - Effect of oxylidine on the bioelectric activity of the brain. p. 1532.

Lovit V.G., Smulevich, A.B. - Use of oxylidine in the ambulatory treatment of mental patients. p. 1541.

Bazhin, A.A., Nuller, IU.L. - Use of chloracizin in the treatment of depressive states. Preliminary report. p. 1546.

Timofeeva, A.N., Lipskaia, L.A. - Barbamyl-tofranil test in the evaluation of depressive states. p. 1549.

Dement'ev, A.I., and others. - Forensic psychiatric aspects of the delirium of jealousy and its compulsory treatment. p. 1554.

Gissen, L.D. - Dynamics of the immediate effectiveness of the treatment of schizophrenics; comparative evaluation of various therapeutic methods. p. 1563.

Shternberg, E.IA. - Existentialism in modern psychiatry in foreign countries. p. 1570.

Futer, D.S. - Significance of modern theory on enteroviruses in clinical neuropathology. p. 1583.

Rokhlin, L. - Review of A.A. Megrabian's book "Depersonalization." p. 1586.

Molokhov, A.N. - Review of IA.P. Frumkin and G.L. Voronkov's book "Atlas on psychiatry." p. 1588.

Zhugzhdo, S.I. - Review of Karl Hanson and Hans Schliak's book "Sedmental innervation; its significance in clinical aspects and practice" [in German]. p. 1589.

Skvortsov, K. - Review of Otto Ehrentell and Walter Morchent's book "Clinical medicine and the mental patient" [in English]. p. 1590.

Banshchikov, V.M. - Report on the activities of the Board of the All-Union Scientific Medical Society of Neuropathologists and Psychiatrists. p. 1592.

Leon Lazarevich Rokhlin; on his 60th birthday. p. 1598.

Vol. 64, no. 1, 1964.

Table of contents translated:

Sarkisov, S.A. - Current problems in the localization of functions. p. 3.

Filimonov, I.N. - Architectonics of the cerebral cortex and the problem of localization of functions. p. 8.

Kupalov, P.A. - Localization of functions in the animal brain in relation to the analysis of conditioned reflex activity. p. 18.

Litvak, L.B. - Basic aspects of the problem of localization in the clinical aspects of cerebral lesions. p. 27.

Lebedinskii, M.S. - Experimental-psychological research and the problem of localization of functions. p. 36.

Abashev-Konstantinovskii, A.L. - Problem of localization and clinical psychiatry. p.43.
Zurabashvili, A.D., and others. - Discussion. p.50.
Strel'tsova, N.I. - Clinical and pathophysiological data on the onset and development of schizophrenia. p.75.
Petrova, A.G. - Some clinical and pathophysiological characteristics of the simple form of schizophrenia. p.80.
Stankevich, L.A. - Clinical characteristics of periodic schizophrenia according to catamnestic data. p.85.
Verbal'skaia, L.M. - Prolonged remissions in periodic schizophrenia. p.93.
Romanova, N.G. - Clinical aspects of late schizophrenia. p.100.
Livshits, E.IA. - So-called familial schizophrenia. p.108.
Gamburg, A.L., Denisova, A.M. - Effect of certain pharmacological preparations on the cerebral bioelectric activity in schizophrenia. p.116.
Pavlova, I.V., TSutsul'kovskaia, M.IA. - Experience in the use of frenolon for the treatment of schizophrenia. p.125.
Aleksandrovskii, IU.A. - Treatment of paramoid schizophrenia with haloperidol. p.131.
Babaian, E.A., Serebriakova, Z.N. - Some problems in the organization of psychoneurological services. p.137.
Morozov, V.M. - Microsociology and psychiatry. p.142.
Decision of the Fourth All-Union Congress of Neuropathologists and Psychiatrists (July 1963). p.148.
E.G.Gobronidze; on his 60th birthday. p.156.
Obituary. p.157.
Galent, I.B. - Letter to the editor. p.158.

Vol.64, no.2, 1964.
Table of contents translated:
Kanareikin, K.F., Kurilenko, I.S. - Clinical aspects of associated lesions of the main vessels of the head. p.161.
Babenkova, S.V., Volkov, V.N. - "Pure" alexia, its relation to other cortical functions and its dynamics during the process of restorative learning. p.166.
Ryvkind, A.V. - Vessels of the sinocarotid reflexogenic zone and their changes in atherosclerosis and hypertension; pathogenesis of "internal carotid artery thrombosis in the neck." p.127.
Smirnov, V.A. - Preapoplectic states and therapeutic measures for them. p.180.
Vershinin, O.A. - Brain stem compressions in extensive hemorrhage and softening of the cerebral hemispheres. p.186.
Bein, E.S., Zhirmunskaia, E.A., Lur'e, Z.L. - Some problems in consciousness disorders in cerebral apoplexy; an electroencephalographic study. p.191.
Mitrofanov, A.M. - Origins and morphology of the sensory innervation of the cerebral arteries in some mammals. p.200.
Serbinenko, F.A. - Hemispheric arterial blood circulation of the brain and some compensatory vascular reactions in carotid-cavernous anastomoses. p.205.
Fason, E., Schwartz, B., Schneider, V. - Blood penetration into the cerebral ventricles. p.212.
Mints, A.IA., Gorbach, N.L. - Some characteristics of the cerebral electrical activity in the process of aging and in atherosclerosis. p.219.
Stoliarova, L.G. - Some characteristics of aphasic disturbances in thromboses and stenosis of the internal carotid and middle cerebral arteries. p.225.
Zaretskaia, I.Kh. - Cerebral blood circulation disorders in stenosis and occlusions of the middle cerebral artery. p.232.
Bleuler, M. - Depressions in endocrine disorders. p.239.
Chelyshev, L.A. - Vascular pathology and its role in various types of course of presenile depression. p.245.
Romanova, N.G. - Clinical aspects of exacerbations of slowly developing schizophrenia in old age. p.250.
Shchirina, M.G. - Some forms of jealousy delirium in patients with cerebral arteriosclerosis in old age. p.256.
Shakhmatov, N.F. - Psychotic pictures observed during the course of Alzheimer's disease and Pick's disease. p.265.
Bleikher, V.M. - Clinical characteristics of the initial stages of cerebral focal atrophic diseases in old age. p.270.
Tropper, M.S. - Some indices of heparin metabolism and fibrinolytic activity of the blood in patients with cerebral atherosclerosis with mental disorders. p.275.
Lapin, I.P. - Comparative pharmacological data on the use of chlorazicin and tofranil in psychiatric practice. p.281.
Pohady, I. - Methods and forms used in the administration of psychiatric services in the Czechoslovak SSR. p.290.
Rogovin, M. - Sociological concepts in contemporary French and American psychopathology. p.295.
Shternberg, E.IA. - F.W.Bronisch. Mental disorders in older people. p.303.
Shternberg, E.IA. - J.Delay, S.Brion. Senile dementias. p.306.
Shtok, V.N. - P.O.Yates, E.Hutchinson. Cerebral infarction: the role of stenosis of the extracranial cerebral arteries. p.309.
Sharapov, B.I., Areshev, P.G. - N.K.Bogolepov. Comatose states. p.311.
Erenkov, V.A. - M.B.TSuker. Infectious diseases of the nervous system in children. p.311.
G.I.Poliakov; on the 60th anniversary of his birth and the 35th anniversary of his medical and scientific and pedagogic activity. p.314.
Makarchenko, A.F. - A.F.Makarchenko; on his 60th birthday. p.314.
A.V.Triumfov. p.316.
V.K.Fedorov. p.317.
M.S.Skoblo. p.318.
Veingol'd-Rybkina, I.V. - Letter to the editor. p.319.

Vol.64, no.3, 1964.
Table of contents translated:
Dubikaitis, V.V. - Fields of average rates of change in the bioelectric activity of the brain in pathological processes in its frontal regions. p.321.
Bogolepov, N.N. - Some forms of synapses in the cerebral cortex; electron-microscope studies. p.326.
Liubchinskii, E.B., Pines, L.N. - Kinesimetric indices of the Achilles tendon reflex in relation to age. p.331.
Rudaia, B.I. - Clinical aspects of the lethargic form of presnet-day epidemic encephalitis. p.334.
Al'perovich, P.M., Bilyk, V.D., Rudaia, B.I. - Clinical aspects of the hyperkinetic form of present-day epidemic encephalitis. p.340.
Uzunov, G., and others. - Etiology of progressive hyperkinetic encephalitis in Bulgaria. p.346.
Kliuchikov, V.N., Dykman, L.M. - Clinicophysiological characteristics of chronic hyperkinetic forms of tick-borne encephalitis (Kozhevnikov's epilepsy syndrome). p.351.
Savenko, S.N. - Interrelation of multiple sclerosis and acute disseminated encephalomyelitis. p.360.
Valtuere, A.L. - Functional state of the thyroid gland in patients with multiple sclerosis, various demyelinating diseases and thyrotoxicosis. p.365.
Kaplan, D.A., and others. - Viral etiology of multiple sclerosis. p.368.
Kulmov, D.T., Zalesskaia, O.M. - Rheumatic fever and multiple sclerosis. p.370.
Kozlova, E.N. - Hypoxemic factor in hypertension and cerebrovascular crises. p.376.
Boeva, E.M., and others. - Use of steroid hormones in the acute period of a closed cerebrocranial trauma. p.380.
Romanov, V.K. - Epidural novocaine block in the treatment of lumbosacral radiculitis (funiculitis). p.386.
Timofeev, I.N. - Clinical characteristics of a syndrome of exaggerated ideas of marital infidelity. p.390.
Semenov, S.F. - Some characteristics of the clinical aspects and course of schizophrenia with the appearance of autoimmunization with brain antigens. p.398.
Zabrodin, G.D. - Correlation of the clinical characteristics of schizophrenic remissions complicated by alcoholic intoxication with some pathophysiological and immunological indices. p.404.
Verbal'skaia, L.M. - Variations in the course of periodic schizophrenia. p.411.
Borisova, T.P., Talavrinov, V.A. - Spatial synchronization of the alpha-activity in the cerebral cortex in a catatonic-oneiroid form of schizophrenia. p.420.
Petrochenkov, P.G. - Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy; a clinicophysiological study. p.428.
Stupochenko, M.V. - Effectiveness of aminazine therapy of terminal states in schizophrenia. p.434.
Pużyński, S., Rogowska, Ja. - Forrest's test as a means of control of the use of psychotropic drugs and the results of this control on the basis of our own observations. p.437.
Uspenskaia, L.IA. - Experience in objective control of the use of psychotropic drugs. p.441.
Slivko, I.M. - Classification of the therapeutic effect in the treatment of mental diseases. p.446.
Nuller, IU.L. - Use of a graded evaluation scale for the quantitative determination of the therapeutic effectiveness of antidepressants. p.449.
Misiuk, N.S., and others. - Experience in the diagnosis of brain tumors with the aid of a "Ural-1" universal computer. p.453.
Shakhmatov, N.F. - Possible methods of the application of cybernetic principles in psychiatry. p.459.
Kogan, V.M., Korobkova, E.A. - Pathopsychological studies in the active therapy of psychoses. p.464.
Murinson, I.M. - Antipsychiatric movement in the U.S.A. p.467.
Soskin, L.S., Usol'tsev, A.N. - Proximal amyotrophy in some endocrine diseases; a review of foreign literature. p.468.
Shternberg, E.IA. - A.P.Noyes and L.Colb. Modern clinical psychiatry. p.474.
Kukuev, L.A. - A. Bischoff. Diabetic neuropathy. p.476.
Rogovin, M. - V.M.Kogan. Restoration of speech in aphasia. p.476.
Luriia, A.R. - Manual on the restoration of speech in patients with aphasia. p.477.
Saradzhishvili, P.M. - E.V.Shmidt. Stenosis and thrombosis of the carotid arteries and disorders of cerebral blood circulation. p.478.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

OFTALMOLOGICHESKII ZHURNAL [OPHTHALMOLOGICAL JOURNAL]. Issued by Ministerstvo zdravookhranenila USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.11, nos.2-6, 1956; vol.17, nos.3, 5-6, 8, 1962; vol.18, nos.2, 5-6, 1963. vol.19, nos.1-3, 1964.

VESTNIK OFTALMOLOGII [REVIEW OF OPHTHALMOLOGY]. Published by Ministerstvo zdravookhranenila SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.76, nos.2, 6, Mar.-Apr., Nov.-Dec. 1963; vol.77, no.1, Jan.-Feb. 1964.
(DNLM)

ZHURNAL USHNYKH, NOSOVYKH I GORLOVYKH BOLEZNEI [JOURNAL OF EAR, NOSE, AND THROAT DISEASES]. Issued by Ministerstvo zdravookhranenila USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.23, no.6, Nov.-Dec. 1963.
Table of contents translated:
Lotsmanov, IU.A. - Project of an international classification of cancer of the larynx. p.3.
Timoshev, N.P. - Diagnostic value of cytological investigations in tumors of the larynx. p.5.
Makukha, A.I. - Pulmonary ventilation in patients following a laryngectomy. p.10.
Starostenko, A.M. - Thiamine content in the organism of patients with cancer of the larynx in relation to the spreading of the process and method of treatment. p.13.
Kazanskii, D.A. - Artificial hypotension during operations for the removal of tumors from the upper respiratory tract and the esophagus. p.18.
Tytar', G.M. - Formation of tracheostoma in extended laryngectomy. A cannula as a dilatator for the tracheostoma. p.23.
Sokoliuk, M.V., Sanotskii, M.L. - Plastic surgery for defects of the pharynx and esophagus after recovery from laryngectomy. p.27.
Simolin, V.A., Alekseev, S.I. - Osteomas of the cranium according to data of the otorhinolaryngological department of the N.A.Semashko Clinical Hospital for a period of ten years. p.33.
IUnina, A.I. - Clinical aspects of lesions of the larynx in a patient exposed to the action of ionizing radiation and the first treatment of the sequelae of this injury. p.36.
Evdoshchenko, E.A. - Healing of experimental fractures of the stapes. p.41.
Shcherbina, G.V. - Content of 17-ketosteroids in the urine of scleroma patients. p.51.
Bobkova, E.A. - Effect of "aseptic" (turpentine) inflammation of the palatine tonsils on the bioelectrical activity of the sinus nerve and respiration. p.55.
Sokolov, V.M. - Histopathological changes in the mucous membrane of Highmore's antrum in serous chronic inflammation. p.60.
Chargoishvili, A.K. - Mechanism of the development of a distortion of the nasal septum and the technique of operating on it. p.64.
IApuganov, I.M. - Paresthesia of the pharynx. p.67.
Vainshtein, T.A., Bratslavskii, I.IU. - Cyst of the maxillary sinus simulating an osteoma. p.72.
Rozengauz, D.E., Syroezhkin, F.A. - Capillary hemangioma of the trachea. p.73.
Skurkovich, G.V. - Spontaneous opening of an asymptomatic otogenic abscess of the left temporal lobe of the brain. p.74.
Kuts, A.P. - Pneumosinus of the frontal sinuses. p.75.
Gordeev, I.I. - Varicose veins of the esophagus with a diverticulum. p.76.
Dadamukhamedov, A. - Tuberculosis of the ear in a four-month-old infant. p.77.
Kornienko, A.A. - Treatment of otorhinolaryngological diseases at the Lyuben Velikiy Health Resort. p.78.
Lipnitskii, N.V., Kantor, A.A., Shamraevskii, S.M. - Treatment of chronic hypertrophic rhinitis by means of special coagulating biactive electrodes. p.79.
Shnurman, B.I. - Case of otogenic sepsis with meningeal phenomena in the absence of otorrhea. p.80.

Gaparovich, V.IA. - Use of autofibrin films in otiatry. p.81.
Chernekho, V.I. - Active modification of the complement fixation reaction with the fresh blood of the patient for the diagnosis of scleroma. p.82.
Zaritskii, L.A. - Review of the book "Problems in clinical otorhinolaryngology"; collected works of the Otorhinolaryngological Department of the Izhevsk Medical Institute. p.86.
Limar, B.IA. - Abstract of H.E.Huizing's book "Bone conduction; the influence of the middle ear" [in Dutch]. p.88.
Eminent scientist Professor Konstantin L'vovich Khilov; on his 70th birthday. p.91.
Lokovskii, L.A., Skvirskaia, A.A., Geskina, D.S. - Report on the activity of the Dnepropetrovsk Province Scientific Society of Otorhinolaryngologists for 1962. p.93.

e. PATHOLOGY & THERAPEUTICS

LABORATORNOE DELO [LABORATORY WORK]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.8, nos 1, 6, 11-12, Jan., June, Nov.-Dec. 1962; vol. 9, nos. 2, 5-12, Feb., May-Dec. 1963.

Vol. 8, no. 7, July 1962.

Table of contents translated:

Brilliant, M.D., and others. - Importance of determining the osmotic and acid resistance of erythrocytes in the clinical aspects of hemolytic anemia. p.3.
Senenko, A.N. - Method of determining the osmotic resistance of leucocytes. p.9.
Zolotnitskaia, R.P. - Calculation of erythrocytes and leucocytes in the blood with the aid of the celloscope. p.14.
Barbinov, V.A. - Simplified method for determining the relations between erythrocytes and plasma in the blood. p.16.
Kulikova, A.D. - Rapid method for staining thrombocytes and reticulocytes. p.17.
Babuda, V.P. - Laboratory diagnosis of thromboembolic complications. p.19.
Dantsig, I.I., Kantorovich, A.S. - Turbidimetric modification of determining fibrinogen with the use of a photoelectrocolorimeter. p.22.
Barenbaum, I.I. - A simple method for approximate determination of the quantity of fibrinogen in the blood with the aid of the gravimetric method. p.24.
Ambartsumov, S.M. - A new modification of the method for determining the oxidation-reduction potential of the blood. p.26.
Gusev, S.I., Sokolova, E.V. - Volumetric microdetermination of chlorides in substances of biological origin. p.30.
Karpiuk, S.A. - Determining protein fractions in the blood serum by a rapid method. p.33.
Raikher, I.I., and others. - Fractionation of immune serums by electrophoresis in starch plates. p.36.
Pshenichnov, R.A. - Reaction of precipitation on paper as a method of controlling the purification of rickettsial preparations. p.39.
Aksenenko, G.R. - Medium for culturing the tularemia microbe. p.42.
Karbushina, L.I., and others. - A new method for taking material for detecting carriers of diphtheria bacteria. p.44.
D'iachenko, V.M. - Determining the reaction of culture media by the apparatus of N.I.Allamovskii. p.46.
Bakulina, N.A. - Parasitological diagnosis of amebic dysentry. p.47.
Metelkin, A.I., Metelkin, O.A. - The modern Russian microscope; on the 25th anniversary of its production. p.51.
Soibel'man, B.I. - Purifying and drying mercury and purifying ammonia solution. p.54.
Fedorov, G.M. - Method of determining the aerosol of mineral oil with the use of membrane filters. p.55.
Kazarov, A.P. - An apparatus for accelerating the washing of mixers. p.56.
Ivanov, G.K., Margin, E.G. - Utilization of an electron impulse photolamp for photomicrography of capillaries and moving objects. p.58.
Birger, M.O., Smirnova, L.G. - Along the pages of periodicals. p.61.
In memory of A.V.Florinskii. p.63.

Vol. 8, no. 9, Sep. 1962.

Table of contents translated:

Gol'dberg, E.D., and others. - Hematological indices in a healthy subject. p.3.
Vasil'eva, Z.F. - Simultaneous method of determining the blood group and Rhesus factor in a drop of blood taken from the finger. p.5.
Ovchinnikov, N.M. - A simple method for determining the Treponema pallidum immobilization reaction. p.9.
Ovchinnikov, N.M., Sazonova, L.V. - Utilizing dried blood serum in the Treponema pallidum immobilization reaction. p.12.
Ustimenko, L.M. - Cultivation of Treponema pallidum. p.15.
Geller, B.S., Il'iashenko, M.A. - Determining the frequency of bacillary discharges in "closed" forms of pulmonary tuberculosis by the method of microcultures. p.20.
Shneiderman, V.E. - Use of different culture media for determining the phage titer growth reaction. p.22.
Mansurova, I.D. - Technic of microchemical examination of the activity of some enzymes in liver punctates of patients with Botkin's disease. p.26.
Kupershtein, A.P., Roomere, P.A. - Separate determination of bilirubin fractions in epidemic hepatitis in children. p.29.
Osipov, L.N. - Separate determination of direct and indirect bilirubin in Botkin's disease and other diseases. p.34.
Litvinenko, S.N. - Chemical methods of developing paper chromatograms in work with antibiotics. p.39.
TSukrova, F.M. - Electrophoretic examination of the proteins in the blood serum of donors of different age groups. p.40.
Rozentsveig, K.I. - Accelerated method of determining the total cholesterol by the Ilca method. p.43.
Khazanov, M.Kh. - Technic of the diphenylamine test. p.44.
Kamenev, V.F. - Quantitative chemical reactions in the diagnosis of intoxication. p.48.
Krasnova, A.I., Vishniak, IU.I., Kamolov, Sh.K. - Micromethod of determining alcohol in the blood. p.52.
Siudmak, N.V., Guitur, M.I. Khudoshina, E.M. - Trilonometric determination of calcium and magnesium in the cerebrospinal fluid and other biological fluids. p.55.
Lebedev, K.A. - An apparatus for intravenous administration of solutions to mice and rats. p.59.
Klimov, A.N. - A calibrator for rapid determination of the Rf value on chromatograms. p.61.

Vol. 9, no. 4, Apr. 1963.

Table of contents translated:

Pekhov, A.P., Rybakov, N.I., Mishchenko, B.A. - Methodology for the study of bacterial lysogenesis. p.3.
Alpatov, V.V., Obel'nitskii, IA.P. - Method of heat coagulation of blood plasma in the diagnosis of malignant tumors. p.8.
Rozenberg, P.A. - Quantitative determination of beryllium in biological media. p.11.
Zhukovskaia, E.D., Idel'son, L.I. - Methodology for the determination of cobalt content in the blood. p.16.
Zenkevich, G.D. - Chemical characteristics of the preparation Honsuride. p.23.
Gromashevskaia, L.L., Gette, Z.P. - Determination of bilirubin by the trichloroacetic acid reaction. p.26.
Sedov, K.R., Derevianko, G.I., IAverbaum, P.M. - Determination of blood cholesterol by the Levchenko method. p.28.
Kessel', V.P. - Comparison of the iodine test with the content of blood serum protein fractions. p.30.
Nikolaev, V.P. - Simplification of the methodology for cultivation of human embryonal fibroblasts. p.33.
Suteeva, T.G., Firiukova, M.V. - Microbiological diagnosis of actinomycosis. p.35.
Abrosimova, E.P., Lazareva, L.S. - Inoculation of pertussis and parapertussis bacteria depending on time element following the taking of specimens. p.39.
Kaluzhenko, R.K. - Preparation of anti-globulin serum by immunization of rabbits using the Freund method. p.41.
Egorova, V.D. - Determination of monosaccharides in bacterial cells by the paper chromatography method. p.42.
Alimov, R. - Simultaneous staining of blood reticulocytes and thrombocytes. p.44.
Lazarevskii, S.A., Saburova, I.V. - Accelerated method of determination of the fibrinolytic activity of cadaveric blood for the selection of a preservation method. p.46.
Glants, S.A., Shevchuk, V.V. - Micromethod for the determination of blood volume in laboratory animals. p.49.
Aleksandrov, V.N. - Efficient fitting of a reflux condenser. p.50.
Sokolov, B.V. - Simple method of preparing flat capillary tubes and assembly of a camera for microelectrophoretic research. p.50.
Goriaev, IU.A. - Use of a type PRK-4 burner in the MGF (GDR) brand densitometer. p.52.
Filatov, A.A. - Device for determination of the surface tension of liquids. p.53.
Nepomniashchikh, L.M. - Preparation of smal color diapositives of histological preparatio p.54.
Kuklov, B.S. - Miniature duplex valved nozzle separate study of the function of each lung.
Barban, P.S. - Simple method of preserving sm for multiple microscopy. p.57.
Fiks, A.F. - Priority of Ch.I.Khentsinskii in t creation of the double blood staining method,
Khitrovo-Gorova, T.V. - Activity of the Mosco tific Society of Physicians-Laboratorians in p.60.
Sviridov, N.K. - Review of S.M.Rapoport's boo "Blood." p.62.
From the editors. p.62.

No. 3, 1964.

Table of contents translated:

Apply the resolutions of the Plenum of the Centr Committee of the CPSU in laboratory practic p.131.
Kartasheva, B.B. - Observations on the state o white blood cells in acute disorders of cerebr blood circulation. p.133.
Babaeva, D.A. - Morphology of the cells of Bro Pearce tumors in cytological preparations. p
Liarskaia, T.IA. - Differentiation of cellular el ments in cerebrospinal fluid using fluorescen microscopy. p.137.
Shurubura, A.A. - Study of the sperm using fluorescence microscopy. p.138.
Florovskii, I.A. - Use of X-ray structural analy for the study of urinary calculi. p.140.
Dolinmure, L.L. - Diagnostic significance of de termining lipoproteins in the blood serum in Botkin's disease. p.141.
Markova, M.N., Pokrovskii, A.A. - Determinat of total cholesterol and phospholipids in a micr drop of blood. p.145.
Nartsissov, R.P. - Modified method for detecting myeloperoxidase. p.150.
Gorelov, G.A. - Modification of the methodology determining intestinal phosphatase. p.151.
Taktakishvili, S.D. - Methodology of determining small quantities of nickel in biological material p.153.
Kasatkin, I.N., Fedorov, N.A. - Mobility of purines and pyrimidine bases and their derivati during electrophoretic separation. p.156.
Tabakov, A.A. - Effect of pepsin on protein digestion in various forms of gastritis. p.159.
TSimmerman, I.S., Chemodanova, A.M. - Study of the permeability of glandular cells of the stomach with a modified Pentzoldt-Faber iodine- potassium test. p.161.
Neverov, I.V. - Methodology of determining Donaggio-active mucoproteins in the urine. p.165.
Sarochinskaia, L.S. - Use of blood agar with salt for the isolation of toxigenic staphylococci from air. p.167.
Ezhova, G.G. - Use of dry quinosol medium for the microbiological diagnosis of diphtheria. p.168.
Kravchenko, N.A., Shanina-Vagina, V.I., Derezkina, G.N. - Nutrient medium for determin the toxigenicity of diphtheria microbes in experiments in vitro. p.170.
Krushinskaia, E.A., Bochkova, V.A., Birger, M.O. - Medium from dried nutrient agar for determining the toxigenicity of diphtheria microbes. p.172.
Buchin, P.I., Proskurina, L.V. - Effect of some amino acids on the growth of diphtheria bacteria. p.175.
Galunina, Z.I. - Determination of the toxigenicity of diphtheria bacteria in tissue culture. p.176.
Chernina, N.V. - Tellurite test in carriers of diphtheria bacillus following tonsillectomy. p.178.
Testerev, M.P. - Results of verification of the indicator method for detection of diphtheria bacteria. p.181.
Panysheva, I.I., Stankovich, L.A. - Indicator method for the detection of diphtheria bacilli. p.183.
Surodeikina, L.N. - Obtaining blood and nonhemolytic serum from small laboratory animals and dogs. p.183.
Petrovskaia, R.M. - Machines for washing laboratory equipment. p.185.
Alekseenko, N.D. - Thermostatic box for transporting chicken embryos. p.187.
Riabov, F.P. - Very simple adjustment to the Seitz filtration apparatus. p.188.
Podrabinek, P.A. - Review of G.I.Burchinskii's book "Erythrocyte sedimentation reaction." p.189.
Sergeeva, T.A. - Analysis of data on bacteriological diagnosis of diphtheria during a number of years. p.190.

No. 4, 1964.

Table of contents translated:

Nesterenko, M.T., Virovets, O.A. - Methodology for determining sialic acids. p.195.

Titaev, A.A., and others. - Different methods of determination of sialic acids entering into the composition of serum glycoproteins. p. 201.
Vol'fson, T.I.Golikov, A.P. - Diagnostic value of determining sialic acids in slowly developing forms of rheumatic fever. p. 206.
Varshamov, A.L. - Content of sialic acid in the blood serum of healthy persons. p. 208.
TSvetkova, I.V. - Determination of neuraminic acid in biological fluids and tissues. p. 210.
Aslanian, N.L. - Some factors influencing the accuracy of determining blood protein fractions by the method of paper electrophoresis. p. 213.
Zhalko-Titarenko, V.F. - Technique of analyzing blood protein fractions by paper electrophoresis. p. 218.
Aksenova, O.V. - Determination of B_6 group vitamins by paper electrophoresis. p. 219.
Tagi-Zade, S.B. - Improved methodology for determining ascorbic, dehydroascorbic and diketogulonic acids by A.N. Klimov's technique. p. 222.
Khalmuradov, A.G. - Determination of β-picoline in tissues. p. 224.
Osnos, G.M. - Determination of the concentration of citral in the blood and urine of puerperants by the use of paper discs following its intrauterine administration. p. 226.
Kuznetsov, B.G. - Special facilities and methods for research on enterobiasis in laboratory practice. p. 229.
Rozenfel'd, D.B., and others. - Rapid laboratory diagnosis of colienteritis with the use of TTC bouillon. p. 234.
Frishman, E.M. - Bacteriological diagnosis of salmonellosis. p. 237.
Apostoli, L.A., Lelikov, V.L. - Case of isolation of the pathogen of typhoid fever from the water of an open reservoir. p. 239.
Sutin, I.A., Zharkova, G.F. - Methodology of typing enteroviruses. p. 240.
Zubzhitskii, IU. N. - Use of fluorescing microbial vaccines in laboratory practice. p. 242.
Ibragimova, M.I. - Simple method of determining the blood coagulation time. p. 245.
Leonov, V.M. - Measurement of the temperature of arterial and venous blood in man. p. 245.
Grinchenko, A.N., Zverkova, A.S. - Hematological characteristics of strain CC-57 laboratory mice. p. 248.
Khachkuruzova, E.S. - Determination of the location of the micro-object in a preparation (microlocation). p. 251.
Zverev, M.E., Kupriakov, B.G., Lybin, I.V. - Stand for agitating graduated flasks. p. 251.
Sviridov, N.K. - Review of S.M.Rapoport's book "Medical biochemistry" [in German]. p. 253.
Kost, E.A. - Review of G.P.Burgman's book "Cytology of the cerebrospinal fluid in cerebral tumors." p. 254.
Kolpakova, T.A., and others. - Suggestions made at the September 29, 1963, conference of "Laboratornoe delo" readers, members of the Leningrad Society of Physicians and Laboratorians. p. 256.
Kolomievskii, M.L. - Concerning B.S.Berezovskii's annotation "Addition to the methodology of the urine color sedimentation reaction." p. 256.

No. 5, 1964.

Table of contents translated:
Molotilova, G.P. - Data on fluorescent examination of blood cells and bone marrow in healthy persons. p. 259.
Kovnator, B.IA. - Methodology of detecting erythrocytes in fluorescent cytological studies. p. 263.
Grinshpun, L.D., Fleishman, E.V., Dubrovskaia, V.S. - Diagnostic value of Thorn test. p. 265.
Irzhanov, S.D. - Methodology of cultivating in vitro guinea pig embryo kidneys. p. 267.
Zemskov, V.M. - Methodology of studying the plasmocyte reaction in immune animals. p. 270.
Erlikh, S.A. - Use of dried nutrient agar D in the medium for determining antibiotic sensitivity of Mycobacterium tuberculosis. p. 273.

Ginzburg, E.A., Shklovskaia, I.G. - Laboratory control for the regulation of the use of paraminosalicylic acid and phtivazid for patients with tuberculosis under ambulatory conditions. p. 274.
Perepelkin, V.S., Litvinova, T.A. - Fluorescent bacteriological diagnosis of minor forms of tuberculosis of the lungs. p. 276.
Averina, E.P., Borkhovetskaia, A.A. - Properdin in the blood of patients with tuberculosis of the lungs. p. 276.
Lesnichii, A.V. - Diagnostic significance of Weltmann's serum test in silicotuberculosis; an annotation. p. 278.
Danilova, T.A., Akop'iants, S.S. - Preparation of an antiserum for the determination of C-reactive protein. p. 280.
Pashinin, M.P., Mukhin, V.F. - Effect of some physicochemical factors on C-reactive protein. p. 283.
Timakin, N.P. - Quantitative determination of serum iron and copper by emission spectrum analysis. p. 285.
Protsenko, V.A., Plotnikova, N.G. - Methodology of examining the lipolytic activity of the blood serum, urine and duodenal contents. p. 288.
Tereshchenko, O.I. - New method of determining desoxycytidine in rat urine. p. 292.
Zharkov, I.A. - Methodology of determining thymidine in rat urine with paper chromatography and the Diche reaction. p. 296.
Ubaidullaev, R.U. - Modified methods of determining furfural in the air. p. 300.
Ovchinnikov, N.M., and others. - Fluorescent serological method in the diagnosis of syphilis. p. 302.
Podkopaev, V.M., TSvetkov, E.I. - Isolation of a pure culture of Pseudomonas pyocyanea and yeasts from infected material. p. 306.
Khvoles, A.G. - Effect of tetracycline on the morphology of Pseudomonas pyocyanea. p. 307.
Bairamova, R.A. - Cultivation of spirochete pathogens of Caucasian tick spirochetosis on developing chick embryos. p. 309.
Khil'ko, V.M. - Modification of Rechmenskii's bacterial trap. p. 311.
Ivanova, E.N., Rikhter, B.V., Chudnov, G.A. - Modification of Krotov's device for bacteriological analysis of the air. p. 312.
Drozdov, S.G. - Microscope with low position of the objective for work with tissue cultures. p. 313.
Solodkov, A.S. - Modification of a sound for taking the contents of the duodenum. p. 315.
Khitrovo-Goreva, T.V. - Report of the Moscow Scientific Society of Physicians and Laboratorians. p. 316.
Kirillova, A.V. - First Sverdlovsk Province Conference of Laboratory Personnel. p. 318.

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-11, May-June 1964.

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, nos. 9, 11, Sept., Nov. 1962; nos. 6, 8, 10-12, June, Aug., Oct.-Dec. 1963.
(DNLM)

TIFLIS. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KURORTOLOGII I FIZIOTERAPII. Sbornik trudov [STATE SCIENTIFIC RESEARCH INSTITUTE OF HEALTH RESORT AND PHYSICAL THERAPY. Papers]. Vol. 26, 1963. Voprosy meditsinskoi klimatologii i klimatoterapii [Probelms of medical climatology and climatotherapy].

Table of contents translated:
Foreword. p. 3.
Gogibedashvili, V.G. - Scientific fundamentals of the organization and arrangement of climatotherapy at the health resorts of Georgia. p. 5.
Ushveridze, G.A. - Pathology of respiration in tuberculosis of the lungs in the climate of moderate altitudes. p. 11.
Uzhveridze, G.A., and others. - Meteoropathological reactions in the clinic of internal diseases. p. 29.

Gogibedashvili, R.K. - Reactions to the weather in cardiovascular disease patients under the climatic conditions of the Kobuleti health resort. p. 37.
Dateshidze, D.G., Dzhikiia, L.P. - Results of a study on the preventive significance of the hardening of the human body by sea baths. p. 45.
Dateshidze, D.G., Dzhikiia, L.P. - Climatotherapy in hypotension at the Kobuleti health resort. p. 53.
Ushveridze, G.A. - Dosage of sun baths in ultraviolet units. p. 63.
Ushveridze, G.A., Dgebuadze, M.N. - Heat exchange during sun baths. p. 69.
Ushveridze, G.A., Dgebuadze, M.N., Dzhikiia, L.P. - Comparative data on the basal metabolism and vacat oxygen in lung diseases at the sea health resort Gagra and moderate altitude health resort TSemi. p. 79.
Dzhikiia, L.P., Gogibedashvili, R.K. - Function of the external respiration and oxidation-reduction processes in nonspecific diseases of the lungs in the climate of the Zelenyy Mys health resort. p. 83.
TSkhomelidze, N F., Giorgobiani, R.P. - Effectiveness of treating atherosclerosis and chronic coronary insufficiency at the Kobuleti health resort. p. 87.
Dzhagashvili, O.A. - Dynamics of the basal metabolism in hypertension patients during their treatment at the Sukhum health resort. p. 93.
Kavkasidze, R.P., Gongladze, N.Sh. -
characteristics of the sea-shore healt
the Adzhar A.S.S.R. p. 99.
Kavkasidze, R.P., Gongladze, N.Sh. -
characteristics of the beach at the Gag
resort. p. 113.
Kordzakhiia, M.O., Kavkasidze, R.P.,
N.Sh. - Climate and microclimate of
health resort. p. 123.
Kordzakhiia, M.O., Kavkasidze, R.P. -
and climatic classification of the healt
of the Georgian S.S.R. p. 127.
Sergeev, L.A. - Significance of the atmo
ionization in the complex climatic fact
treatment of hypertension patients at t
tubo health resort. p. 135.

VOPROSY KURORTOLOGII, FIZIOTERAPII I
NOI FIZICHESKOI KUL'TURY [PROBLEM
SORT THERAPY]. Moscow, vol. 28, no. 3,
1963.

Table of contents translated:
Speranskii, N.I. - Sanatorium and health
treatment of stenocardia. p. 193.
Speranskii, N.I., Sorokina, E.I. - Exped
balneological treatment of stenocardia
with atherosclerosis. p. 199.
Tambieva, V.V. - Treatment of atheroscl
the coronary arteries with stenocardial
exercise in the polyclinics of the Kislov
Health Resort. p. 204.
Karasev, I.T., Kabanov, S.E. - Results
at the Sochi-Matsesta Health Resort, pa
chronic coronary insufficiency combine
diseases requiring health resort treatm
Beliavskaia, S.F. - Use of exercise thera
tension in middle aged and elderly pers
in a polyclinic. p. 217.
Obrosov, A.N., Skurikhina, L.A., Safiuli
Effect of microwaves on the cardiovasc
of a practically healthy person. p. 223.
Sedov, K.R. - Changes in some hemodyna
under the influence of immersion intest
p. 230.
Nikol'skii, B.V. - Reaction of the cardiov
tem to solar irradiation and sea bathing
importance in climatotherapy. p. 234.
Ushveridze, G.A., Dgebuadze, M.I. - Me
determining thermal comfort during su
p. 237.
Tereshchenko, A.M., Alekseeva, M.V. -
violet erythema in compound treatment
anacidic gastritis. p. 242.
Parfenov, A.P., Tarasenko, T.I. - Anest
the human skin by novocaine and adrena
phoresis. p. 247.
Slavskaia, E.IA. - Study of late results of
sort treatment of patients in clinics of t
Balneological Institute in the Caucasian
waters region. p. 250.
Borisova, T.P., Gunina, A.I. - Effect of
sulfide inhalations on the conditioned re
and carbohydrase of the blood in childre
rheumatic fever. p. 255.
Iosifova, E.V. - Penetration of methane in
human skin in balneological procedures.
Vasilov, S.I., Lobovikov, G.K., Pudov,
Lamp of shortwave ultraviolet rays fed
battery. p. 264.
Gronzik, S.S. - Method of determining mo
talocrural joint. p. 265.
Vlasov, V.V. - Complications in paraffin
p. 266.
IAnkoviak, IU. - Work and achievements o
climatic institute in Poland. p. 267.
Petelin, S.M. - Review of L.N.Kanavets'
"Neuroses and their treatment at sanato
health resorts." p. 270.
Neimark, E.Z. - Review of E.I.Shakhnova
book "Physiotherapy for diseases of the
system." p. 273.

Shterengerts, A.E. - Review of "Informat
metodicheskie materialy," vol. 4, no. 3.
Karaev, R.G. - Fourth Ukrainian conferen
problems of fangotherapy and the resour
medical earths. p. 276.
Guobis, H., Kairiukstis, T., Sasnauskaite
Scientific conference dedicated to the 12
versary of the Druskininkai Health Reso
Kurkudym, F.E., Shpil'berg, G.I. - Probl
cerning the use of health resort and phy
factors at the Ukrainian republic confere
problems of rheumatic fever in children.
(DNLM)

VOPROSY MEDITSINSKOI VIRUSOLOGII [PROBLEMS OF MEDICAL VIROLOGY]. Issued by Institut virusologii Akademii meditsinskikh nauk SSSR [Institute of Virology of the Academy of Medical Sciences of the U.S.S.R.]. Moscow, no. 5, pt. 2, 1958. Gripp i ostrye katary dykhatel'nykh putei [Influenza and acute catarrhs of the respiratory tracts].

Table of contents translated:

Orlova, N.N., Akatova, N.B. - Epidemiological and serological characteristics of influenza outbreaks during 1955-1957. p.3.

[illegible], S.A., Kuz'minskaia, G.IA. - Characteristics of the epidemiology of influenza in Moscow in 1957. p.8.

Alekseeva, A.A. - Outbreak of influenza A_2 in Orenburg in the spring of 1957. p.14.

Sergeev, N.V., Gorbunova, T.I. - Outbreak of influenza in Cheboksary, Chuvashia, in May-June 1957. p.16.

Orlova, N.N., Kniazeva, L.D. - Characteristics of an influenza outbreak in Kemerovo in the summer of 1957. p.19.

Ritova, V.V., Sokolova, N.N., Orlova, A.V. - Epidemiological characteristics of influenza A_2 among schoolchildren. p.21.

Ritova, V.V., Shitko, E.IA., Rutkovskaia, N.S. - Influenza A_2 in a children's nursery. p.25.

Ritova, V.V., Orlova, A.V. - Outbreak of epidemic influenza A_2 among juveniles in 1957. p.28.

Slepushkina, V.G. - "Asian" influenza among schoolchildren. p.32.

Slepushkin, A.N. - Some epidemiological and etiological characteristics of the 1957 influenza. p.33.

Berliant, M.L. - Epidemiological observations in an A_2 focus in 1957. p.37.

Sutin, I.A., and others. - Epidemiology and etiology of influenza in Stalingrad in 1957. p.42.

Segal', L.S., Klinskaia, E.F., Meshchenko, V.M. - Epidemiological characteristics of the incidence of influenza in Transcarpathia in 1957. p.45.

Selivanov, IA.M. - Characteristics of influenza distribution in the White Russian S.S.R. in 1957. p.51.

Mirzabekian, A.O., and others. - Materials on the study of influenza in Spandaryan District of Erivan in 1957. p.54.

Maksumov, S.S., and others. - Etiological characteristics of influenza outbreaks in Tashkent in 1957. p.54.

[illegible], E.N. - Influenza in Stalinabad. p.59.

Orlova, N.N. - Differential diagnosis of influenza and acute catarrhs of the respiratory tracts. p.62.

Lozhkina, A.N. - Determination of the diagnostic importance of hemagglutination reaction with washings from persons vaccinated with a type B strain KRI vaccine cultivated in tissues of human embryos. p.67.

Mel'nikova, L.A. - Isolation of the influenza virus from the nasopharyngeal washings of patients by means of passages through irradiated embryos. p.70.

Lozhkina, A.N. - Use of Ehrlich's ascitic carcinoma cells as adsorbents of the influenza virus. p.71.

Stakhanova, V.M. - Different sensitivity of human and chicken erythrocytes to the action of nonspecific hemagglutination inhibitors. p.77.

TSauzner, G.M., and others. - Serologic diagnosis of influenza in Chelyabinsk in 1957. p.81.

Dubniakova, A.M. - Materials on the hematology and rhinocytology of influenza in 1957. p.83.

Dreizin, R.S., Davydova, A.A., Busniuk, M.M. - Cultivation of the viruses of influenza and acute catarrhs. p.86.

Bukrinskaia, A.G. - Cytopathogenic action of the influenza virus type D in trypsinized and explanted tissue cultures. p.89.

IAkovleva, L.S. - Effect of different preservation conditions and fillers on the viability of a dried influenza virus. p.93.

Slepushkin, A.N., Starosvetskii, V.A., Chizhkova, E.V. - Work in the department for the control of influenza and acute catarrhs of the respiratory tracts. p.98.

Slepushkin, A.N. - Effectiveness of prophylactic measures during the influenza outbreaks in 1957. p.103.

Dreizin, R.S., Sokolova, N.N., Akatov, A.N. - Changes in the properties of vaccine strains of influenza viruses following their adaptation to human tissues. p.109.

Zakstel'skaia, L.IA. - Immunogenic properties of slightly virulent variants of virus strains and conditions conducive to the reproduction of complete immunity in experiments. p.113.

Ritova, V.V., Sokolova, N.N. - Cross immunity between new and old vaccinal strains of the same type of influenza virus. p.118.

Kon', IA.S., and others. - Preliminary epidemiological evaluation of a live anti-influenza vaccine of type A_2. p.122.

Orlova, N.N., Kulakova, M.K. - Consideration of the effectiveness of vaccination against influenza. p.125.

Ritova, V.V. - Harmless nature of the vaccine cultivated in human embryo tissue in relation to subsequent contact transmission by means of droplets. p.129.

Brudnaia, E.I., Zakstel'skaia, L.IA., Luneva, K.K. - Serologic reactions in persons inoculated with a live anti-influenza A_2 vaccine. p.133.

Gaidamakova, M.G., and others. - Materials on the epidemiological effectiveness of anti-influenza vaccination in Kharkov in October 1957. p.135.

Berliant, M.L. - Immunological effectiveness of live vaccines and evaluation of serum prophylaxis and serum therapy in an influenza A_1 focus. p.140.

Nekliudova, L.I. - Results of anti-influenza vaccination in 1956 in Krasnodar Territory. p.145.

Peterson, O.P., Lokhova, S.V. - Methods of specific prophylaxis of experimental influenza infection in white mice irradiated with X rays. p.148.

Orlova, N.N., and others. - Results of the preparation of antigens for the purpose of obtaining an anti-influenza serum. p.151.

Dreizin, R.S. - Study of adenoviruses in the Ivanovskii Institute of Virology, Academy of Medical Sciences of the U.S.S.R. p.157.

Paktoris, E.A., and others. - Diseases caused by adenoviruses in Moscow. p.163.

Pashkevich, G.S., Dreizin, R.S. - Membranous conjunctivitis caused by adenoviruses type 3. p.168.

Dreizin, R.S., Kniazeva, L.D., Shcherbatov, I.I. - Study of serum antibodies against adenoviral and streptococcal antigens. p.175.

Dreizin, R.S., and others. - Differential diagnosis of adenoviruses, and the viruses of herpes, influenza and poliomyelitis. p.178.

Dreizin, R.S., Davydova, A.A., IAnkevich, O.D. - Results of the cultivation of the HeLa strain. p.183.

Dreizin, R.S. - Contagious viral rhinitis. p.187.

Merkulova, S.T. - Bibliography of works on influenza and acute catarrhs of the respiratory tract completed at the Ivanovskii Institute of Virology, Academy of Medical Sciences of the U.S.S.R., 1946-1957. p.192.

(DNLM)

f. PHARMACY & MATERIA MEDICA

*ANTIBIOTIKI [ANTIBIOTICS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 8, no. 8, Aug. 1963.

Table of contents translated:

Development of biology and public health. p.675.

Lur'e, L.M., Levitov, M.M. - Penicillin biosynthesis by highly productive strains of Penicillium chrysogenum on media with different carbohydrates. p.677.

Jofe, R., Kleiners, G. - Effect of fats on penicillin production. p.684.

Strukov, I.T., and others. - 2,6-dimethoxyphenyl penicillin (methicillin) and its microbiological study. p.690.

Shneerson, A.N. - Comparative evaluation of the new penicillins according to their action on clinical Staphylococcus strains. p.695.

Semkina, L.E., Mustafova, N.N., Grekova, V.K. - Characteristics of the growth and development of Penicillium nigricans under conditions of submerged griseofulvin biosynthesis. p.701.

Grabovskaia, O.A., Levitov, M.M. - Study of some physiological peculiarities of Act. fradiae 120. p.705.

Kleiners, G., Jonova, N. - Thermal stability of nystatin. p.712.

Sazykin, IU.O., Borisova, G.N. - Study of the action of a new antifungal substance, the methyl ester of 4-keto-5-decynoic acid, on the metabolism of C. albicans and S. cerevisiae. p.717.

Dumova, A.M., Chirkova, O.O. - Use of antibiotics of the tetracycline series in experimental radiation sickness. p.723.

Barkalaia, A.I., Prokhorova, A.M. - Transplacental side effects of tetracyclines on the rabbit fetus. p.728.

Soskin, A.M. - Effect of cortisone on phthivazide in the blood and tissues of the internal organs. p.732.

Stoianov, D., Sheikova, G. - Pathomorphological changes in white mice treated with tetracycline in different combinations. p.737.

Liubimova, L.K. - Comparative evaluation of some antitrichomonas preparations on animals. p.741.

Kiselev, V.I. - Action of different antibiotic combinations on diphtherial bacteria. p.744.

Dubilei, V.V. - Experience in treating patients with chronic inflammatory bronchopulmonary processes in relation to the sensitivity of the microflora to antibiotics. p.746.

Blinov, N.O., Khokhlov, A.S. - Detection of antibiotics by paper chromatography. p.751.

Sarkisov, A. - Brief summary of the work of the Expert Committee of WHO on the problem of the nonmedical use of antibiotics. p.763.

APTECHNOE DELO [PHARMACY]. Organ of M stvo zdravookhraneniia SSSR [Ministry of He the U.S.S.R.]. Moscow, vol. 11, no. 5, [illegible] 1962.

Table of contents translated:

Mel'nichenko, A.K., and others. - Basic re problems in the field of pharmacy. p.3.

Perel'man, IA.M. - Achievements in the fiel maceutical analysis during the past five y prospects of development. p.9.

Shvaikova, M.D. - Basic trends in the develop questions of forensic chemistry in the U.S during the past five years. p.16.

IAkubov, M.IA. - Development of pharmaceuti activity in Tajikistan. p.23.

Panchenko, E.I., Tarela, V.I. - Study of the ity of distributing pharmaceutical products ing machines. p.28.

Suprun, P.P. - From the experience of the analysis laboratory. p.30.

Andreeva, I.A. - Preparation of [illegible] jelly using agaroids with medicinal substa p.34.

Vaisman, G.A., IAmpol'skaia, M.M. - Researc quantitative determination of some pharm preparations with the use of cation exchange p.38.

Grinkevich, N.I., and others. - Evaluation of vitamin-containing plants for their [illegible] tent. p.41.

Egert, V.E., Iirka, A.A. - Colorimetric deter of free alkalies and acids in the preparation bamyl and sodium ethaminal. p.43.

Plyvenko, G.P., Sukhomlinov, A.K., Kazak L.S. - Planned curriculum for pharmaceuti institutes (faculties). p.46.

Aliev, R.K., Aliev, A.M. - Some problems of the provement of pharmaceutical education by c pondence. p.51.

Koz'minykh, E.M. - Higher qualifications for te in pharmaceutical schools. p.55.

Rybachuk, I.Z. - Teaching of pharmacognosy in pharmaceutical school closer to the future pro sion. p.56.

Dement'eva, V.V. - Aids for better understan the pharmacognosy course. p.57.

Karpovich, V.N. - Results of carrying out [illegible] school practical studies in pharmacognosy in t Leningrad Pharmaceutical School). p.61.

Abramov, M.K. - Amperometric titration of [illegible] in drugs. p.63.

Beilovskii, IA.E., Motorkina, E.G. - Refra method of determination of the alcohol conte in pharmaceutical preparations. p.64.

Karpov, O.N. - Quantitative determination of ethy alcohol in preparation, tinctures and liquid extra p.66.

Ikramov, L.T., Aliev, Kh. - Identification of cyano balamine (vitamin B_{12}). p.68.

Babich, S.Kh., Bakenova, M. - Effective principle valerian root. p.69.

Sheverdinova, V.M., Bystrov, S.P. - Determinati arsenic in miyarsenol and novarsenol. p.71.

Daragan, A.G. - Coating of tablets with pellicle-form ing substances. p.75.

Gubskii, I.M., Tkushkova, M.N., Mintovich, I.A. - the Ukrainian Scientific-Pharmaceutical Society. p.81.

Kolesnichenko, IU.I. - Pharmacy in Burma. p.84.

Rashid, F. - Pharmaceutical education in Iraq and th training of pharmaceutical personnel. p.86.

Šafařík, Luděk, Blažek, Josef. - Titration in nonaqu ous solvents in pharmaceutical analysis; a review. p.89.

Abstracts. p.92.

Busev, A.I., Tiptsova, V.G. - Review of F.M. Shemi akin, A.N. Karpov, A.N. Brusentsev's book "Analy cal chemistry." Part 2: Quantitative chemical analy sis. p.93.

Dolgova, A.A., Lazukhenkova, E.IA. - Review of the book "Medicinal plant raw material in the new Phar macopeia." p.96.

Shakh, TS.I., Kagan, F.E. - Review of the book "Orga zation of control over the quality of drugs." p.97.

MEDITSINSKAIA PROMYSHLENNOST' SSSR [MEDICAL SUPPLIES INDUSTRY OF THE U.S.S.R.]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 15, no. 10, Oct. 1961; vol. 16, nos. 8-12, Aug.-Dec. 1962; vol. 17, nos. 1-3,5,7,11-12, Jan.-Mar., May, July, Nov.-Dec. 1963; vol. 18, nos. 1-4, Jan.-Apr. 1964.

Vol. 17, no. 9, Sep. 1963.

Table of contents translated:

Natradze, A.G., Selivanov, A.I. - Some problems in the preparation of ready-made drugs and prospects of its development. p.3.

Komissarenko, N.F., Chernobai, V.T., Kolesnikov, D.G. - Cardiac glycoside from Convallaria keiskei Miq. Report No. 3. p.7.

Madaeva, O.S., Ryzhkova, V.K., Panina, V.V. - Struc ture of a water-insoluble saponin from the roots of Dioscorea polystachya Turcz. Report No. 10. p.2.

Pogodin, S.Z., Kolachev, A.N. - Ways of mobilizing reserves in the production of ascorbic acid. p.12.
Zasonov, V.A., and others. - New method of producing normalfazole. p.15.
Nazrullaev, S.S. - Use of iodine bromide for the synthesis of iodine derivatives (producing tetraiodophenolphthalein and iod-sorm). p.32.

Ivanovskaia, E.A., Cherntsova, V.A., Pozharskaia, Glycine as a filler in tablet making. p.23.
Dulenkov, T.I. - Separation and determination of 10-substituted phenothiazine by thin-layer chromatography of aluminum oxide. p.26.
Ruzhentseva, A.K., Prokof'eva, F.F. - Quantitative determination of lemoran and demerfan and possible admixtures in these preparations. p.29.
Beliliov, V.G. - Qualitative and photocolorimetric determination of small quantities of synestrol. p.32.
Ananichev, A.V., Lovtilarev, P.M. - Quantitative determination of active substances in the seeds of Ammi majus L. p.36.
Dzarenko, S.IA., Orlov, IU.E., Shvalbon, M.S. - Polarographic method of determining atmaline. Report No.1. p.38.
Kontor, I.M., Kogan-Vol'man, G.I. - Research on highspeed flexible shafts. p.40.
Shipunov, V.S. - Device for manufacturing wedges for electric motors. p.44.
Atroshchenko, [illegible], Gerner, M.M., Ilatovskii, V.S. - Jet mills in medical industry. p.46.
Soldatko, I.I., and others. - [illegible] photophosphoimutator. p.48.
Alatov, IU.A., Popov, V.I., Lanovskaia, S.S. - Sublimation cell counter. p.50.
Golovan, A.A., Ismailov, G.I., Kuznetsov, A.P. - Apparatus for removing dental calculus by means of ultrasonics. p.51.
Rodin, I.N., Krylova, E.A. - Production of antibiotics in France. p.56.
Seliyanov, A.I., Karavlev, G.A. - Scientific technical conference on the production of standard drugs. p.62.
On V.A. Mikhailov's 70th birthday and 45th anniversary of scientific activity. p.64.

Vol. 17, no. 10, Oct. 1962
Table of contents translated:
Antonov, IA. - Growth of medical technological production. p.3.
Rubtsov, M.V. - Main trends in the synthesis of hypotensive substances. Report No. 1. p.6.
Kolobova, V.S., Magidson, O.IU., Dzhar, A.D. - Preparation of demorfan. p.14.
Bolotova, S.P., Serebriakova, N.V., Shtol'ts, M.G. - Preparation of water-soluble oxytetracycline derivatives. p.16.
Platonova, T.F., Kuzovkov, A.D. - Alkaloids of the sterile rosemary, Rosmarinus officinalis L. p.19.
Bonasova, A.F., Dashevskii, A.I. - Anthracene derivatives of Rumex patientia var. tianschanicus Losinsk. Report No. 2: Glycosides. p.21.
Filippov'ianis, I.I., Pogorelova, V.I. - Use of the [illegible] extraction for the separation of vitamin B_{12}. p.24.
Zelinskii, IU.G., Pankratov, N.S. - Preparation of absolute tertiary butanol. p.29.
Seletskii, M.A. - Semiautomatic unit for washing ampules according to optimal parameters. p.30.
Kosolkina, Z.A., Petrova, L.F., Uginskii, V.P. - Advisability of some properties [illegible] powders and tablets. Report No. 2: Three-component mixtures. p.35.
Valiusova, L.S., Pecharskaia, A.M. - Oil suspensions of propylhexine. p.37.
Frolkova, P.M., Lin Hsin-hung-kang, Tingkina, L.F. - Seeds of Erysimum canescens Roth as a source of erysimin. p.38.
Kudryavtsev, G.I., Savel'eva, G.I., Baldanov, V.K. - Quantitative determination of iodine in iodoform and majodin. p.41.
Chetverikov, D.V., and others. - Prolonged preservation of Bacillus brevis var. G-B culture on millet. p.44.
Lewis, A.Z. - Mechanical device for measuring and filling mercury. p.45.
Alekseev, M.V. - Use of thermoplastic instead of parcelle packings in drug plants. p.46.
Marmaduryi, D.V., Andrianov, V.V. - Autoclave unit, type OTA. p.49.
Grindel', S.G., Polonikova, V.M. - Type EKSP-01 electrocardiosignalizer, a new apparatus for examination and diagnosis. p.52.
Sivash, K.M., Osnachuk, I.M., Kus'min, G.S. - Set of cutters for working on the trochanteric fossa. p.54.
Kaszmyslin, I. - Prospects of the development of medical electronics in Czechoslovakia. p.58.

Serebriakova, A.G. - New foreign drugs. p.58.
Timofeeva, T.S. - Review of L.P. Shevatov's book "Microequipment for radioregistration of some physiological functions." p.62.

REFERATIVNYI ZHURNAL: FARMAKOLOGIIA. TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, 9-11, Jan., Apr., May-June 1964.

VOPROSY MEDITSINSKOI KHIMII [PROBLEMS OF MEDICAL CHEMISTRY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 8, no. 6, Nov.-Dec. 1962.
Table of contents translated:
Debov, S.S. - Effect of antimetabolites of pyrimidine bases on the synthesis of nucleic acids. p.563.
Pantsvatova, L.M. - Nucleic acids in cholera and choleralike vibriones. p.573.
Efimochkina, E.F. - Synthesis of amino acids in pigeon liver homogenates. p.581.
Rimapova, S.A. - Effect of thyroid gland hormones on the correlation of separate protein fractions in the blood serum and liver. p.586.
Savitskii, I.V., Rozanov, A.IA., Pozdniakova, L.E. - Effect of roentgen irradiation on phosphorylation of thiamine. p.592.
Chagovets, N.R. - Sarcoplasmic proteins in muscle during work and rest. p.599.
Chervikova, M.A., Kharakter, Zh.Z. - Effect of glutamic acid on the amino acid structure of the blood serum in experimental tuberculosis. p.603.
Soroka, V.R. - Effect of thermal burns on the content of copper in brain tissue. p.608.
Severin, S.E., Ueitlin, L.A. - Characteristics of glycolytic oxidation-reduction in myocardial extracts. p.611.
Lozovskii, D.V. - Tryptophan metabolism in patients with schizophrenia. p.616.
Meerson, F.Z., Pogosova, A.V. - Incorporation of labelled amino acids into the total proteins and proteins of myocardial nuclei in compensated hyperfunction and hypertrophy of the heart. p.621.
Roan, L.E. - Nephelo-colorimetric method of determination of lead in biological fluids. p.625.
Pepein, IA., Bilina, E., Vitols, I. - Fluorometric determination of 11-hydroxycorticosteroids in human blood plasma. p.628.

Kibardin, S.A., Boldanov, V.K. - Isolation of influenza virus from allantoic fluid by the method of chromatography on hydroxylapatite. p.634.
Gorkin, V.Z., and others. - Use of zonal electrophoresis in vertical columns with a new anticonvective material (granulated polymethylmethacrylate) for purification of amine oxidase in the blood serum. p.638.
Tatarinov, IU.S. - Some controversial questions in the monograph of V.I. Sachkov, "Immunological methods for the study of rheumatism and other collagen diseases." p.646.
Gaitskhoki, V.S., Kazimovskaia, N.I. - Nucleic acids. p.651.
Alphabetical index of articles published in "Voprosy meditsinskoi khimii" in 1962. p.656.
Subject index. p.657.

PUBLIC HEALTH & NURSING

FEL'DSHER I AKUSHERKA [FELDSHER AND MIDWIFE]. Issued by Ministerstvo zdravookhraneniia SSSR and Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the U.S.S.R. and the Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 23, nos. 4-5, Apr.-May 1961.

GIGIENA I SANITARIIA [HYGIENE AND SANITATION]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 27, no. 4, Apr. 1962.
Table of contents translated:
Gvakhariia, D.G. - Data on substantiation of the maximum permissible concentration of dimethylformamide in the atmosphere. p.3.
Hvorskaia, E.M. - Experimental studies on phenol disposal from the waste waters of gas generating stations with phenol-destroying microbes. p.8.
Osin, V.A. - Green plants in the control of street noises. p.13.
Bobrov, N.I. - Effect of acclimatization on the function of the skin analyser. p.18.
Matysheva, A.E., and others. - Some problems in occupational hygiene of construction workers. p.23.
Mel'nikov, V.V., Ivanov, A.E., Ezhova, V.M. - Data on the toxicology of beryllium oxide. p.30.
Naumsh'ian, S.S. - New system of planning school buildings. p.37.
Kalinskyi, D.N. - Thirty years of work of the Ukrainian Institute of Communal Hygiene. p.43.
Shcherbatova, T.L., Zakhorzhevskaia, A.G. - Determination of small quantities of aniline in waste waters. p.49.

Peregud, E.A., Bolkina, B.S. - Methods of detecting volatile products of thermal dissociation of organic fluorine polymers. p.53.
Vorob'ev, E.I., Moiseitsev, P.I. - Hygienic standards during work with radioactive substances in public health institutions. p.56.
Petrov, V.I. - Effectiveness of purification of waste waters containing cyanides. p.61.
Ivanov, B.I. - Methods of securing purification of industrial waste waters. p.62.
Nikhinson, I.M., and others. - Examination of milk and milk products for pathogenic coli strains. p.65.
Andreeva-Galanina, E.TS., Usenko, V.R. - Physicohygienic evaluation of impulse fluctuations. p.67.
Smulevich, B.IU. - New trends in the bourgeois social hygiene. p.72.
Betiikhin, G.A. - Once more on the problem of evaluating the results of research in air pollution by harmful substances. p.80.
Katsenelenbaum, M.S. - Concerning an error in I.D. Nikolaichik's article "Eye traumatism on the streets in urban areas with various degrees of air pollution." p.82.
Lomakina, V.N., Kuznetsova, A.I. - Methodology of sanitary and bacteriological control of food items prepared from minced meat. p.82.
Rakhmanina, N.A., Drozhinina, V.A. - Preservation of water on ships with coumarin. p.84.
Shishalina, L.M. - Distribution of Clostridium botulinum and Clostridium tetani in the soil of some regions of the U.S.S.R. p.87.
Lebedeva, G.D. - Reducing the radioactivity of water polluted with Sr^{89} by some water biochoses and silt. p.88.
Fedorov, A.F., Zlobin, V.S. - Gamma ray background of the coast and some regions of the Barents Sea. p.90.
Malashina, S.G. - Accumulation and distribution of ruthenium in some aqueous organisms. p.91.
Krent'iashin, S.I. - Levels and spectra of traffic noise and its penetration into living quarters. p.94.
Korepanov, A.G. - "Organization of nutrition in children's institutions" by V.F. Vetrashko. p.99.
Novikov, V. - "Disinfection and disinsection of technical raw material of animal origin" by E.S. Cherkasskii, S.P. Chirkov. p.100.
Nevskii, V.A. - Soviet literature on hygiene and sanitation; first half of 1961. p.102.
Official materials. p.114.
In memory of M.K. Kachatrian. p.120.
In memory of Aleksandr Grigor'evich Kovalenko. p.120.
Brief news and information. p.122.

Vol. 27, no. 5, May 1962.
Table of contents translated:
Results of the 14th All-Union Congress of Hygienists and Public Health Physicians. p.3.
Chzhen Sai-pun (Cheng Sai-P'ung). - Experimental data on the determination of the permissible concentration of tall oil in bodies of water. p.8.
Mironchenko, A.A. - Study of the zonal dissemination of pathogenic microflora from hospital rooms into the atmospheric air. p.13.
Kuznets, E.I. - Increasing the heat resistance of the organism. p.17.
Ghukhova, N.Z. - Effectiveness of physical exercise breaks in sewing factories with the assembly-line method of production. p.21.
Galuhova, Z.K. - Hygienic quality of fabrics used for winter sports suits for schoolchildren. p.25.
Levin, V.M., Rutenburg, E.S. - Vocational selection of schoolchildren with some surgical diseases. p.29.
Sovetov, S.E. - N.I. Pirogov's legacy in the field of hygiene of children and juveniles. p.33.
Selina, I.A. - Colorimetric determination of alcoholic vapors in the air. p.41.
Kachan, A.A., Golovatyi, V.G. - Photochemical desinator of ultraviolet radiation. p.44.
Nifontova, M.V. - Determination of small quantities of aluminum by the spectrographic method. p.47.
Merkov, A.M. - New method of calculating standardized indices of the incidence of disease and mortality. p.50.
Stoianovskii, A.F. - Teaching radiation hygiene at medical institutions of higher learning. p.54.
Partsef, D.P. - Hygienic evaluation of the contamination of air in the vicinity of gasoline filling stations servicing bottle-gas driver automobiles. p.56.
Borisov, K.A., Utkin, K.P., Odintsova, L.M. - Dynamics of the incidence of disease with a temporary loss of the working capacity of workers of industrial establishments in Dnepropetrovsk Province during 1946-1960. p.59.
Zil'ber, D.A. - Some problems of pharmacy hygiene. p.63.

Mosseitaev, P.I. - Safety from radiation in the search and prospecting for useful minerals. p.68.

Bermant, V., and others. - Role of planned cleaning of individual apartments in decreasing the incidence of intestinal infections. p.72.

Apel', IA.A. - Modern methods of determining quartz in rocks and dust. p.73.

Evseeva, N.P. - Organization of sanitary work in the U.S.A.; survey of the literature. p.78.

Basan'ko, V.S., Grombakh, S.M., Luchina, K.I. - International Conference on the Hygiene of Children and Juveniles. p.84.

Orletskaia, N.M. - Comparative hygienic evaluation of fluorescent sources of light and incandescent lamps in the adaptation to dull surfaces. p.90.

Kopanev, A.I. - Results of improving sanitary working conditions in the briquetting of brown coal. p.93.

Nepsha, F.F. - Hygienic characteristics of working conditions with the new beet-harvesting combines. p.95.

Dubrovina, Z.V. - Some data on the relation between the density of radioactive fallout and the dust content of air. p.97.

Dobrozravova, N.P. - Basal metabolism in the Far North. p.100.

Kryzhanovskaia, M.V. - Third Plenum of the Ukrainian Scientific Society of Hygienists, and the Ukrainian Scientific Conference on the Hygiene of Populated Areas. p.102.

Agashin, W.A., Artamonova, V.G. - Scientific session on the hygienic importance of vibration and the clinical aspect of the vibration disease. p.104.

Abstracts. p.107.

Genisman, A.S., and others. - Review of the journal "Gigiena i sanitariia," 1960. p.109.

Aleksandrov, V.N. - Review of A.O.Natanson's book "Vitamin A and vitamin A deficiency." p.112.

Brushlinskaia, L. - Review of E.L.Notkin's book "Study of the concrete causes of disease by means of anamnestic data." p.113.

Nevskii, V.A. - Soviet literature on hygiene and sanitation for the first half of 1961; industrial hygiene and occupational diseases. p.115.

Vol.27, no.6, June 1962.

Table of contents translated:

Krotkov, F.G. - Some results of the work and problems of the All-Union Scientific Society of Hygienists. p.3.

Shakhbazian, G.Kh. - Industrial hygiene in the light of tasks planned by the program of the CPSU. p.10.

Mukhitov, B.M. - Experimental materials on substantiation of the maximum permissible concentration of phenol in the atmosphere. p.16.

Orlovskii, V.M. - Maximum permissible concentration of chlorcyclohexane in water reservoirs. p.24.

Shtukovskaia, L.A., Lappo, V.G., Gvozdeva, S.N. - Hygienic evaluation of water distilled by the electrochemical method using Soviet ion exchanger membranes. p.29.

IAo-An-tszy [Yao-An-tz'ŭ], Medvedeva, E.F. - Water consumption regimen for workers on open construction sites. p.34.

Shapiro, D.D., Getmanets, I.IA. - Blastomogenic properties of some types of petroleum from different fields. p.38.

Temkin, B.I. - Changes in the basal metabolism of students under the effect of summer vacation. p.42.

Rudeiko, V.A. - Result of the study of morbidity in children with acute catarrh of the upper respiratory tract, bronchitis and pneumonia in new and old living quarters. p.45.

Kuz'micheva, M.N. - Summary determination of boric esters of higher fatty alcohols in the air. p.48.

Peregud, E.A., Boikina, B.S. - Micromethods for determining fluoroalkylchlorsilanes in the air. p.49.

Shishulina, L.M. - Use of pancreatin in the examination of mixed cultures for the presence of Clostridium botulinum toxin. p.53.

Val'chuk, N.K., Geller, L.E. - Hygienic characteristics of street and communal noise; from data of the city of Vinnitsa. p.56.

Bessonov, A.E., Pashchenko, N.P. - Pollution of subterranean water supply by wastes from the production of higher alcohols. p.59.

Biriukov, A.M. - Experience in sanitary control of the operation of equipment for disinfection of household and drinking water supply lines with ultraviolet rays. p.62.

Zak, I.M. - Changes in the bacterial content of the water of Angara River in connection with the operation of the Irkutsk Hydroelectric Station. p.64.

Gol'dman, E.I. - Evaluation of the noise of machines used in the lumber industry. p.65.

Brilinskii, L.I. - Effectiveness of antidust measures in the mines of the Lvov-Volyn' Coal Basin. p.70.

Vullo, I.I. - Hygienic requirements for standardized milk. p.72.

Gorodetskii, A.S., Shilenko, IU.V. - Hygienic significance of the pollution of sewage waters by the pathogens of tuberculosis; a review of foreign literature. p.73.

Biriukovich, A.A. - Problems in hygiene and medical control in schools of the Hungarian People's Republic. p.78.

Osipov, IU.A., Kaliada, T.V., Kulikovskaia, E.L. - Observations on some functional shifts during the course of work in persons subjected to microwave frequency radiation. p.81.

Smokotnina, T.N. - Hygienic evaluation of air pollution with wastes from a lead plant. p.87.

Gusarov, I.I. - Natural radioactivity of the air and its connection with some meteorological factors. p.90.

Loshak, A.IA. - Hygienic evaluation of the accumulation of radioactive iodine in fresh-water fish (yearling carp). p.93.

Shchegolev, K.V., and others. - Hygienic evaluation of waste water tanks as a measure of sanitary protection of water reservoirs. p.95.

Salikhodzhaev, S.S., Novitskaia, S.F., Khaibulin, R.Kh. - Some problems in industrial hygiene and living conditions connected with gas supply in Uzbekistan. p.98.

Gorbov, V.A., Fomenko, V.N. - Hygienic evaluation of asphalt coverings as a possible source of air pollution with carcinogens. p.100.

Vainshtein, A.S. - Efficient construction of a municipal bath house for the prevention of epidermophytosis. p.102.

Egorov, IU.L., Kazakova, M.A. - Conference on problems of industrial hygiene and health protection of the population in the production of synthetic fat substitutes. p.104.

Shtreis, A.I. - Scientific session on rural hygiene. p.106.

Oliunin, I.V. - Activity of the Irkutsk Branch of the All-Russian Society of Hygienists and Public Health Physicians from 1959 to 1961. p.107.

Abstracts. p.110.

Official materials. p.110.

Assistant Professor I.I.Bujakas. p.123.

Brief news and information. p.124.

Vol.27, no.10, Oct. 1962.

Table of contents translated:

Mitina, L.S. - Combined effect of small concentrations of nitrogen peroxide and sulfur dioxide on the organism. p.3.

Smirnov, D.D. - Roentgenographic detection of the lead-carrying state in children living in the vicinity of lead-processing plants. p.8.

Kudrin, L.V. - Comparative toxicological characteristics of omega-chlorocarboxylic acids following peroral adminstration to warm-blooded animals. p.12.

Ebert, L.IA., Kunina, L.A. - Electrolytic disinfection of water by a non-diaphragm method. p.16.

Gorkin, Z.D., Evtushenko, G.I., Ostrovskaia, I.S. - Inhibiting effect of ultraviolet rays on the development of silicosis in experimental animals. p.20.

Arkad'evskii, A.A. - Combined effect of vibration and noise on the human body. p.25.

Petrova, A.T. - Occupational hazards in tobacco-fermenting plants in Bulgaria. p.29.

IAkovleva, I.N. - Some data on the body condition of adolescents during physical work. p.32.

Danilovich, A.I. - Hygienic characteristics of the occupational training of 9th and 10th-grade pupils for the telegraph operator profession. p.37.

Kuz'micheva, M.N. - Determination of n-butylvinyl ether in the atmosphere. p.41.

Khrustaleva, V.A. - Determination of phenol in the atmosphere using 4-aminoantipyrene. p.42.

Nifontova, M.V., Ternovskaia, L.N. - Spectrophotometric determination of 1, 2, 5, 6-dibenzanthracene in pure solutions and in a mixture with 3, 4-benzopyrene. p.46.

Saliamon, G.S. - Determination of isopropylbenzene hydroperoxide and styrene in the air when present together. p.51.

Vasil'ev, G.A. - Automatic measuring device for small concentrations of carbon monoxide and nitrogen oxides. p.54.

Mikulinskii, A.M., Krakovskii, A.V. - Methodology of measuring high-amplitude vibrations. p.55.

Miliaeva, E.N., Fisher, G.M. - Result of culturing and coagulation for the detection of pathogenic microbes in water. p.57.

D'iakov, S.I., and others. - Result of the use of fluorescent antibodies for accelerated detection of Shigella dysenteriae in milk. p.59.

Breido, A.E., Verkhoturova, E.A. - Field experience in the sanitary control of water supply and sewer systems in the City of Noginsk and Noginsk District of Moscow Province. p.63.

Petrov, V.I. - Replanting of verdure in Dnepropetrovsk. p.66.

Pliasunov, A.K. - Results of mass prophylactic measures in Otradnyy. p.68.

Al'pern, L.L., Beliavskii, D.IU., Ivanevich
Data on periodic medical examinations of w
exposed to prolonged effect of noise. p.69.

Krasnitskaia, E.S. - Cases of botulism cause
home-canned fruit and vegetable preserves
p.73.

Pasternak, A.E. - Byssinosis; a review of lit
from 1956 to 1961. p.75.

Subbotin, F.N. - Hygienic significance of nitra
water and food. p.79.

Medvedeva, E.F., Rotnov, V.M. - Internation
Scientific Conference on Industrial Hygiene
Occupational Diseases in Halle, German De
cratic Republic. p.82.

Khvostov, N.N. - Sanitary regulations for work
radioactive substances and sources of ioniz
radiations. p.86.

Mazur, M.M. - Errors and misrepresentations
concerning the discussion of spot check stud
disease incidence. p.90.

Mats, L.I. - Sanitary and bacteriological meth
and the solution of practical public health pro
lems. p.94.

Anastasiadi, A.P. - Ash trap for small boiler h
with small hydraulic resistance. p.101.

Novikov, IU.V., Reznnov, I.I. - Content of uran
in underground drinking water and its excretio
urine and feces. p.103.

Cherkashov, N.I. - Rational construction of the
driver's seat in some types of ground transport
tion vehicles. p.105.

Golutvina, L.F., and others. - The use of a new
petroleum impermeable fabric with a coating fo
overalls. p.106.

Tkachenko, E.S. - Evaluation of strawberries pre
served by sublimation. p.109.

Demidova, N.M., Katsenelenbaum, M.S. - Chang
in everyday sanitary conditions of the collectiv
farm population in the Sampur District of Tamb
Province. p.110.

Grossman, IA.L. - Plenum of the All-Union Coun
of Sanitary Education. p.113.

Nevskii, V.A. - Soviet literature on hygiene and sanitation in the second half of 1961. p.115.

On the 70th birthday of A.A.Rakovich. p.119.

In memory of M.D.Bol'shakova. p.120.

Brief news and information. p.122.

Vol.28, no.4, Apr.1963.

Table of contents translated:

Tkachev, P.G. - Data for establishment of the maximum permissible concentration of aniline in atmospheric air. p.3.

Lisovskaia, E.V., and others. - Experimental data
for establishing the maximum permissible concentration of maleic anhydride in water reservoir
p.11.

Kniazhnikov, V.A., and others. - Effect of drinking water with an increased fluorine content on the bioelectrical activity of the brain and heart under experimental conditions. p.16.

Kalabin, M.M., Samokhin, V.N. - Purification of a mixture of industrial waste waters and domestic sewage. p.19.

Il'in, V.V. - Session on the problems of sanitation microbiology. p.100.

Roznnov, L.S. - Abstracts. p.102.

Gabovich, R.D. - Review of A.A. Minkh's book "Methodology of hygienic research." p.105.

From the editors. Concerning reviews of A.A. Minkh's book "Methodology of hygienic research by G.S.Gan and others, Kh.A.Nikogosian and others, and I.S.Korinkin, and others. p.108.

Barabol, V.A. - Review of P.M. Lerner's book "Hygienic problems in the planning of dwellings under hot climate conditions," p.109.

Nevskii, V.A. - Soviet literature on hygiene and sanitation for the first half of 1962.

Hygiene of nutrition. p.112.

Various problems. p.118.

Pavlovskaia, N.A., Cherkashina, T.N., IUnisova, R.K. - Determination of small quantities of thorium in biosubstrates. p.48.

Biriukova, Z.I., Zhigalin, G.S. - Sectional sound-proof screened chamber for conducting experiments under industrial conditions. p.52.

Mokhov, L.A., Poddubnaia, L.T. - Preparation of starch in an organic solvent medium. p.54.

Perotskaia, A.S. - Sanitary supervision of the design, construction and operation of apartment houses at the present time. p.56.

Lampert, F.F. - Measures to control air pollution in gas-supplied apartments; on the project of sanitary instructions for the supply of gas to apartment houses. p.60.

Bulanovor, I.M. - Purification of slime waters in slime tanks of metallurgical plants. p.63.

Borodavka, L.D. - Problem of a centralized water supply in Cherkassy. p.68.

Podgornyi, IA.M. - Working conditions during the operation of the SK-4 self-propelled combine. p.70.

Pechenkina, S.M. - Control of endemic goiter in the Dagestan A.S.S.R. and Krasnodar Territory. p.73.

Andrianova, D.P., Dereviankii, V.S., Kastorskii, V.S. - Outbreak of milk-borne Salmonella infection. p.75.
Tambovtsev, P.D. - Experience in sanitation education work in a children's sanatorium. p.78.
TSvetkov, L. - State and development of hygiene in Bulgaria. p.83.
Konenkov, IU.K. - Concerning Professor E.TS. Andreeva-Galanina and V.P. Usenko's article "Problem of the physicohygienic evaluation of impulse vibration." p.88.
Gusarov, I.I., Liapidevskii, V.K. - Letter to the editors. p.90.
Sekretta, P.M., Aizinbund, IU.I., Sviridova, L.V. - Letter to the editors. p.90.
Datsenko, I.I., Smirnov, A.S. - Hygienic evaluation of the air in a room furnished with L-3 and L-15 OPS gas stoves. p.91.
Abramovich, G.A., Pal'mova, I.V., Rassolova, V.P. - Extention of the pollution by industrial waste waters and domestic sewage entering the Volga at Saratov. p.92.
Bezverkhaia, T.P. - Hardening of boarding school students by ultraviolet irradiation. p.94.
Shmitnikova, Z.Z. - Technique of data collecting and processing in statistical research. p.97.
Suvorov, S.V. - Industrial aerosols resulting from the condensation of tungsten, molybdenum and rhenium and their hygienic evaluation. p.24.
Arkhipova, O.G., Tolgskaia, M.S., Kochetkova, T.A. - Toxic properties of the antiknock compound manganese cyclopentadienyltri carbonyl. p.29.
Kliukov, N.S., Neverov, I.V., Sokolova, L.I. - Clinical aspects and pathological anatomy of granosan poisoning. p.33.
TSariuk, N.B. - Characteristics of temperature regulation in children under conditions of high room temperature. p.37.
Parteshko, V.G. - Biological action of fat oxidation products (copolymers). p.42.
Kaliuzhnyi, D.N., Kryzhanovskaia, V.M. - In memoriam of Aleksandr Nikitich Marzeev; on the 80th anniversary of his birth. p.45.

Vol.28, no.5, May 1963.

Table of contents translated:

Gusev, M.I., Chelikanov, K.N. - Experimental data on the hygienic basis for the maximum permissible concentration of amylenes (pentenes) in the atmospheric air. p.3.
Davydova, N.A. - Effect of ultraviolet light deficiency on the complement activity of blood in man in polar regions. p.9.
Lipinska, R. - Penetration of chlorine into the bacterial cell in the process of water decontamination. p.12.
Zats, V.I. - Characteristics of coastal currents and their significance for the discharge of sewage waters into the sea. p.16.
Bartenev, V.D., Kochanov, M.M. - C_X-reactive protein as an index of toxicity under prolonged action of harmful chemical substances. p.20.
Gur'ev, A.F. - Combined effect of neutron irradiation and increased atmospheric temperature on animals. p.24.
Zlobina, N.S. - Toxicity of small concentrations of styrol vapors. p.29.
Orlovskaia, E.P. - Effect of high-frequency noise of various intensity levels on the organisms of workers. p.36.
Kuprlianov, N.D. - Physical development and the development of motor activity in boarding school students in Kirovograd Province. p.40.
Gurvich, L.S. - Water hygiene and sanitary protection of reservoirs in G.V. Khlopin's works. p.44.
Korotkov, P.A., Serzhantova, N.N., Timofeev, V.B. - Photoelectric method of determining small concentrations of 3,4-benzopyrene. p.47.
Saliamon, G.S. - Colorimetric method of a total analysis of alkyl amines. p.50.
Khokhol'kova, G.A. - Accuracy of the colorimetric method of determining poisonous dinitrophenol compounds in biological matter. p.53.
Chistiakov, N.M., Blagoveshchenskaia, Z.I. - Determination of copper, cobalt and nickel in water by paper chromatography. p.58.
Perotskaia, A.S. - Measures for the control of everyday noise and problems in sanitary inspection. p.62.
Shinkarenko, V.E. - Some sanitary indices for planning hospital corridors. p.72.
Abramovich, G.A., Poliakova, E.G. - Hygienic evaluation of centralized water supply in a village and prospects of its development. p.74.
Chikov, V.M. - Quality of dishwashing in public dining enterprises. p.77.
Shifrin, I.A., Osatilovskaia, R.IA. - Outbreak of toxic infection caused by Escherichia coli. p.80.
Tret'iakov, A.N. - Poisoning with carbon dioxide. p.82.
Sheftel', V.O. - Toxicology of plastics used in water supply. p.83.
Chernaenko, T.D. - Problems in standard hospital construction at the International Symposium in Weimar (People's Republic of Germany). p.87.
Frolov, M.A., Frolova, R.I. - Use of mine waters for dust control. p.91.
Ignatovich, Z.A. - Methodology of bacteriological examination in food poisoning. p.94.
Aleksandrov, V.N. - Concerning G.N. Krasovskii and L.IA. Guseva's article "Statistical methods of evaluating the results of sanitary and hygienic research." p.97.
Gimadeev, M.M. - Letter to the editors. p.98.
Antonova, M.V. - Content of trace elements in the drinking water in Vitebsk. p.100.
Kondrashova, L.N. - Sanitary state of the Vuoksi River in the region of discharge of waste waters from the Svetogorsk Cellulose and Paper Plant. p.101.
Goncharuk, E.I. - Changes in the filtrate of domestic sewage in the current of ground waters. p.104.
Nikolaev, V.M., Sidnev, V.V., Shneiderman, Z.M. - Effect of waste waters from the Balakhna Paper Works on the sanitary state of the Volga. p.106.
Koiranskii, B.B. - First Scientific Conference on Problems of Medical Geography. p.109.
Krotkov, F.G. - Abstracts. p.110.
Terman, A.V. - Review of the book "Radiation hygiene" Labor hygiene, vol.1, 1962; Municipal hygiene, vol.2, 1962). p.114.
From the editors: Concerning the reviews by V.IA. IAkovenko, and B.A. Katsnel'son of the book "Radiation hygiene", vols. 1 and 2, 1962. p.115.
Sanitary regulations for the maintenance of secondary schools and boarding school classrooms. p.117.
Organization of a committee for water hygiene and sanitary protection of water reservoirs at the State Sanitary Inspection of the Ministry of Public Health of the U.S.S.R. p.126.
Avgust Andreevich Letavet. p.128.
Professor M.G. Markarian. p.129.
Brief news and information. p.130.

Vol.28, no.9, Sep.1963.

Table of contents translated:

Koshkin, M.L. - Hygiene and biology. p.3.
Zykova, A.S., and others. - Air radioactivity levels in Moscow from 1957 to 1961. p.5.
Vrochinskii, K.K. - Hygienic problems in the ozonization of the water of the Northern Donets Basin Canal. p.11.
Trakhtman, N.N., Mikheenkov, P.S., Sidorova, A.I. - Sanitary conditions for the discharge of waste waters by plants producing biomycin. p.18.
Suponitskii, M.IA., and others. - Industrial hygiene problems in structural glass plants. p.23.
Maksimova, L.I. - Effect of shock waves and intense noise on the hearing of assemblers working with the SMP-1 pistol. p.30.
Liubetskii, Kh.Z., Sholukhina, E.G., Stepovaia, N.E. - Hygienic problems in mercurane treatment of cotton seeds before planting. p.36.
Khvatova, A.V. - Eye injuries and their prevention in students attending manufacturing shops of secondary schools. p.40.
Leonova, L.A. - Skin temperature and perspiration in schoolchildren training for a weaver's profession. p.43.
Pitskhelauri, G.Z. - Ch.W. Hufeland and his book on the prolongation of human life; on the 200th anniversary of his birth. p.48.
Lindval', R.V., Ermakova, I.V. - Determination of acetylene in the air by the infrared spectroscopy. p.51.
Vorob'ev, A.M., Kuz'mina, V.P. - Determination of plutonium aerosols in the presence of considerable quantities of uranium. p.54.
Drugov, IU.S. - Spectrophotometric determination of styrene and alpha-methylstyrene in the waste waters from a divinylstyrene (alpha-methylstyrene) rubber-producing plant and in open water basins. p.56.
Dunaeva, IU.N. - Colorimetric determination of beryllium in water. p.58.
Voshkina, S.I., Malinina, T.G., IAblochkin, V.D. - Detection of methyl alcohol in biological material. p.61.
Kurochkin, B.I. - Semisolid AMB medium for the control of disinfection of food-contacting objects. p.63.
Ermolaev, M.M., Boiko, E.P. - Sanitary propaganda in the field of communal and personal hygiene. p.65.
Korkunova, V.I. - Hygienic effectiveness of measures taken to sanitize a town pond in Sverdlovsk. p.68.
Kulikov, S.I. - Hygienic characteristics of the water supply system of Stavropol and measures for its improvement. p.70.
Izbavitelev, P.V., Leshchinskii, D.S., Brzhe
E.M. - Hygienic requirements relating to
of instruments for school workshops. p.7
Begrova, V.I., Krasnitskaia, E.S. - Outbrea
toxinfection caused by Salmonella enteritid
cow. p.73.
Shafir, A.I. - Electrification as a hygienic pro
p.77.
Pichkur, L.F. - Erroneous concept; concernin
Levitov and A.I. Tolkacheva's article 'Som
ological characteristics of typhoid fever in
Province. p.84.
Katsnel'son, B.K., Velichkovskii, B.T. - Some
ples of standardization of maximum permis
concentrations of dust in the air of work are
p.88.
Gorkavenko, D.P. - Influence of natural clima
ditions on air pollution in seaside towns. p
Sidorenko, G.I., Pinigin, M.A., Savenkova, V.T
of the combined action of gamma radiation a
chlorine in water sterilization. p.97.
Sinitsyna, E.L., Maevskii, A.D. - Incidence of
tional autonomic polyneuritis of the upper ex
ties in leather factory workers. p.99.
Matiashov, V.A. - Rational ventilation of intest
processing shops in meat-packing plants. p
Parkhomenko, G.M. - Radiation hazards in the
nation of surfaces by alpha-active substance
p.101.
Bozilan, Kh.A. - Some problems of longevity.
Cherniavskii, M.I., Sheinin, B.IA. - Conferenc
sanitation of work conditions and new techniq
p.106.
Grushko, IA.M. - In the Irkutsk Branch of the A
Russian Society of Hygienists and Public Hea
Physicians. p.107.
Tarima, K.G., Malinovskaia, V.S. - Conference
readers of the periodical "Gigiena i sanitarii
p.108.
Vagranskaia, L.I. - Abstracts. p.109.
Gomko, G.R., Kairakbaev, M.K., Pakhotina, N.S.
view of G.I. Tarabaeva's book "Effect of lead
body and measures of treatment and preventi
p.110.
Novskii, V.A. - Soviet literature on hygiene and
tation for the second half of 1962. Hygiene of
dren and adolescents. Hygiene of radiation.
Maximal permissible concentrations of harmful
stances in the air on industrial premises. p.

Vol.29, no.4, Apr.1964.

Table of contents translated:

Shakhbazian, G.Kh. - Large-scale chemistry a
problems of hygiene. p.3.
Kulakov, A.E. - Effect of small concentrations
hexamethylenediamine on man. p.8.
Cherkinskii, S.N., Filippov, V.I. - Role of var
factors determining the advantages of distric
water-supply systems. p.13.
Vaisman, IA.I. - Propagation of bacterial pollu
in underground waters. p.19.
Ogleznov, G.A. - Experimental basis for the
maximum permissible concentration of α-m
styrene in the water of reservoirs. p.24.
Strakhov, A.B. - Effect of intensive noise on so
functions of the organism. p.29.
Gorshkov, S.I., Gorbunov, O.N., Nikol'skaia,
Some problems in the biological effect of ultr
sound in connection with its use in industry.
p.37.
Bashirov, A.A. - Functional state of parenchym
organs of workers in the capron industry. p.
Romanov, B.T. - Physiological shifts in adolesc
combining work with studies at an evening sch
p.47.
Chuka, A., Kresin, R., Dr. Zhukovskii. - A gerontol
cal map of the Rumanian People's Republic.
Svishchev, G.M., and others. - Determining
strontium in natural waters by means of flame
photometry. p.65.
Terman, A.V., Enikeev, M.I. - Modified metho
of determining radioactive β-contamination o
surfaces by moist smears. p.69.
Kheifets, M.A. - Use of an elective medium for
detecting Escherichia coli in present sanitary
control. p.71.
Khotsianov, L.K., Matsak, V.G. - Expertise of
standard designs. p.75.
Turetskaia, E.S. - Industrial sewage of the Rozd
Mining and Chemical Plant and its effect on the
Dniester. p.80.
Baron, Z.O., Efimov, N.M. - A disease caused
by Salmonella schottmülleri. p.84.
Grombakh, S.M. - An international congress on
school and university hygiene and medicine.
p.86.
Shmitnikova, Z.Z. - Errors in the use of the stati
tical method in published studies. p.91.
Kirillov, V.F. - A constant of ion disappearance
and its hygienic significance. p.96.
Zarivaiskaia, Kh.A. - Microclimate of standard
apartments with a central air-heating system.
p.98.

[illegible], T.S. - Labor conditions at incubator stations. p.101.

[illegible], L.I., Zalesina, T.V., Ignatova, K.F. - [illegible] evaluation of pressed molds containing [illegible]. p.103.

[illegible], IU.A., Baran, N.A. - Materials for the hygienic evaluation of fruits treated with [illegible]. p.106.

[illegible], I.S., Zil'bershtein, I.M. - Zonal seminar [illegible] the qualifications of workers [illegible] with the use and protection of water resources of the Far East and Siberia. p.109.

[illegible], M.G. - Activity of the Altai Section of the All-Russian Society of Hygienists and Sanitation Specialists in 1959-1963. p.110.

[illegible], A.A. - Scientific and practical conference on problems of hygiene of children and adolescents in Kharkov. p.112.

[illegible], N.M. - "Insolation of residential buildings" by B.A.Dunaev. p.114.

[illegible], A.V. - "Manual on the control of mine dusts." p.115.

[illegible], L.A. - "Problems in sanitary statistics." p.116.

On the [illegible] of Abram IAkovlevich Gutkin. p.120.

[illegible], V.A. - Soviet literature on hygiene and sanitation in first half of 1963. Hygiene of children and adolescents. p.121.

GIGIENA TRUDA I PROFESSIONAL'NYE ZABOLEVANIIA [LABOR HYGIENE AND OCCUPATIONAL DISEASES]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.5, nos.8-10, Aug.-Oct., 1961; vol.6, nos.7,8-10, Aug.-Oct. 1962; vol.7, nos.1,4-7, 9-12, Jan.,Apr.-July, Sept.-Dec. 1963; vol.8, nos.1,3-5, Jan., Mar.-May 1964.

LENINGRAD. SANITARNO-GIGIENICHESKII MEDITSINSKII INSTITUT. Trudy [MEDICAL INSTITUTE OF SANITATION AND HYGIENE. Transactions]. Vol.51, [illegible]; vol.71, 1961; vols.76-77, 1963.

h. SURGERY & DENTISTRY

EKSPERIMENTAL'NAIA KHIRURGIIA I ANESTEZIOLOGIIA [EXPERIMENTAL SURGERY AND ANESTHESIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.7, no.4, July-Aug.1962.

Table of contents translated:

[illegible], K.F. - Changes in the higher nervous activity and some vegetative functions in dogs following a closed trauma of the brain. p.3.

[illegible], A.A., Svidler, A.IU. - Use of elastic plastics in closing cranial defects in a growing organism. p.6.

[illegible], G.B. - Plastic surgery of the cranial roof. p.10.

[illegible], A.A. - Experimental intraosseous diploe and sinusography. p.12.

[illegible], V.V. - Vascularization of pleural adhesions. p.16.

[illegible], M.S. - Experimental data on intraorganic circulation in the liver of dogs. p.21.

[illegible], G.A. - Blood transfusion in treating atrophic liver cirrhosis. p.27.

Vinogradov, V.V., and others. - Construction of a tunnel for X-ray manometry of bile ducts on the operation table. p.29.

Gadzhiev, A.S. - Reversion of the duodenum following experimental gastric resection. p.31.

[illegible], A.P., Gritsman, IU.IA. - Morphological changes in auto- and homoplastic kidney grafts. p.35.

Maros, Tibor. - Plastic substitution of ureters with a fallopian tube. p.41.

Savchenko, N.E. - New method of incision of the ureteral ostium in the incipient forms of ureterocele. p.45.

Polianichko, M.F. - Experimental reconstruction of the urinary bladder with an open intestinal segment. p.45.

Cherniavskii, E.Kh. - Method and technique of exposing the external opening of the urethra in dogs. p.50.

Akopdzhanian, V.R. - Transformation of the long tubular bones in children at different periods following their fracture. p.51.

Kasavina, B.S., and others. - Some enzyme-substrate systems in the process of regeneration of bony tissue. p.56.

Shraiber, M.I., and others. - Use of polymer film for local treatment of burns. p.63.

Savchuk, L.N. - Effect of tissue preservation on their immunological properties. p.65.

Portnoi, V.F. - Isolated deep hypothermia of the brain; survey of the literature. p.67.

Darbinian, T.M., Portnoi, V.F., Zubareva, R.A. - Isolated artifical circulation and deep hypothermia of the brain. p.73.

Efuni, S.N. - State of cerebral electric activity under therapeutic anesthesia. p.81.

Kovanev, V.A., Khmelevskii, IA.M. - Decurarization in cardiovascular diseases. p.83.

Vorotyntseva, E.N. - Distribution of radioactive novocaine in the organs and tissues of an animal following its intravenous administration and in case of a lumbar block. p.90.

Mikhail Gerasimovich Anan'ev; on his sixtieth birthday. p.96.

(DNLM)

Vol.8, no.4, July-Aug. 1963.

Table of contents translated:

Vishnevskii, A.A., and others. - Cybernetic method of determining the severity of the condition and prognosis in burns. p.3.

Kochetygov, N.I. - Comparative characteristics of the effect on the body of a thermal lesion and removal of a large area of skin under experimental conditions. p.6.

Suvorov, V.A., and others. - Functional characteristics of the course of burn shock in radiation sickness. p.10.

Gel'man, B.L., Kaem, R.I., Grishina, I.A. - Pathogenesis of pneumonia in burn disease; anatomicobacterial parallels. p.12.

Borisov, V.G. - Vitamin B_1 (thiamine) content of tissues in burn shock. p.14.

Kiverin, M.D., Kiverina, Z.I. - Content of ascorbic acid in a skin autograft implanted under the skin. p.15.

Anisimov, V.F., Palamarchuk, A.K. - Comparative evaluation of drains made of rubber and polyvinyl alcohol. p.19.

Chaidze, R.A. - Closure of defects of the stomach wall with polyethylene and nonisolated omentum. p.20.

Nadareishvili, G.N. - Gastrojejunoplasty using part of the stomach. p.22.

Savinovskaia, A.A. - Changes in the rabbit peritoneum under the effect of novocaine. p.23.

Chernin, V.V. - Effect of injuries of some segments of the nervous system on the stomach and liver. p.27.

Kulieva, Kh.D., Volynskii, IU.D. - Methodology of guided catheterization of the hepatic veins. p.28.

Zavadovskaia, N.V. - Excretion of neutral red by the digestive tract in rabbits in obstruction of the small intestine. p.30.

TSagareishvili, A.V. - Lesion of the respiratory organs and intestines after a single irradiation with subsequent surgery on the small intestine. p.30.

Sapelkina, I.M., IAkunichev, N.I. - Healing of a lung wound following resection and coagulation with an electric knife (mono- and biactive electrodes). p.31.

Nagib, A., Firsova, P.P. - Methodology for performing bronchospirometry. p.31.

Krakovskii, N.I., Zolotarevskii, V.IA. - Pressure therapy in the compound treatment of obliterative arterial diseases of the lower extremities. p.33.

Musaev, S.M. - Intravascular electrocoagulation of dilated subcutaneous varicose veins of the lower extremities. p.36.

Galankin, N.K., Maliavin, G.T. - Causes of unsuccessful surgery and results of thoracotomy in tetralogy of Fallot. p.37.

Griaznov, V.N., Kharin, V.S. - Methodology of graphic recording of the retrograde coronary blood flow. p.41.

Shaposhnikov, IU.G. - Use of autoplast veins reinforced by perlon casings for plastic surgery of peripheral arteries under experimental conditions. p.42.

Terlaev, V.G. - Model for transplanting the thyroid gland on an arterial and venous stem. p.40.

Aivazian, A.V. - Interureteral surgical anastomosis. p.49.

Zhordaniia, I.F., Gotsiridze, O.A. - Surgical restoration of decreasing functional activity of the sex glands under experimental conditions. p.50.

Konstantinov, V.A., Shustin, V.A. - Surgery to create soundless barking in dogs. p.54.

Sen, P.K., and others. - Open-heart surgery with selective cerebral hypothermia. p.55.

Riabov, G.A., Pipiia, V.I., Nisnevich, E.D. - Anesthesia in various methods for removing isolated stenosis of the pulmonary artery. p.59.

Roslavleva, N.G. - Electroencephalography in surgery on the heart and great vessels under anesthesia by the Shane-Ashman method. p.62.

Geshelin, S.A. - Electrophrenic respiration in experimental high spinal anesthesia. p.65.

Mateshuk, V.P., Nikitin, V.M., Shugaev, B.B. - Data of kymographic recording of arterial pressure, pulse and respiration during surgery on the stomach with the use of various types of anesthesia. p.69.

Dobronravov, A.S. - Use of analgesics in surge
for acquired heart diseases. p.72.

Barkov, N.K. - Analgesic activity of a combina
of promedol with phenothiazine derivatives.

Erivantsev, N.A., Svadzhian, E.P. - Clinical
perience with the use of new analeptics, bema
(megimide) and ahypnon. p.77.

Gol'din, IU.A., Kudrin, A.N. - Effect of the co
tion of analeptics on the awakening from morp
other anesthesia. p.81.

Gasparian, S.A., Toshchakov, R.A. - Experien
intramuscular morphine-hexenal anesthesia.
p.83.

Khodkevich, S.P. - Bronchopulmonary novocaine
block. p.86.

Airiian, A.P. - Multiaperture injection needle fo
local infiltrative anesthesia. p.89.

Kerbikov, O.V. - Discussion on I.V.Davydovskii
book "Problems of causality in medicine
(etiology)." p.90.

On the 60th birthday of Nikolai Ivanovich Kra
p.92.

(DNLM)

KHIRURGIIA [SURGERY]. Published by Ministerstvo
zdravookhraneniia SSSR [Ministry of Health of the
U.S.S.R.]. Moscow, vol.39, no.1, 1963.

Table of contents translated:

New achievements in Soviet surgery. p.3.

Husfeldt, E., Engel, H.K., Arlfred, E. - Defects of
the septum atriorum. p.5.

Murav'ev, M.V., and others. - Surgical treatment
patent ductus arteriosus complicated by pulmona
hypertension. p.12.

Zernov, N.G. - Bacterial endarteritis of the patent
ductus arteriosus (Botallo's) in children. p.16.

Toporov, G.N. - Projection anatomy of the intraperic
ial segments of the vessels of the heart and. p.

Kyo, E.P. - Examination of blood coagulation in mit
stenosis patients before, during and after surgery
p.27.

Khubutiia, B.I. - Surgical technique in experimental
substantiation of anonymo-pulmonary anastomosis
p.34.

Sharafislamov, F.Sh. - New technique of plastic sur-
gery in inferior vena cava defect. p.40.

Berezov, IU.E., and others. - Surgical treatment of
fistula between the innominate artery and vena.
p.43.

Askerkhanov, R.P., Shakhshaev, M.-R.I. - Characteris-
tics of the clinical picture and treatment of stab a
incision wounds of the chest. p.47.

Radushkevich, V.P., Kiselev, V.I. - Management of
penetrating injuries of the chest in peacetime.
p.56.

Podzolov, V.V. - Closed treatment of a [illegible]
specific pleural empyema. p.59.

Demidov, V.P. - Criteria of operability in surgery of
mediastinal tumors and cysts. p.63.

Vol'skii, V.M., Borovyi, E.M. - Use of B.V. Petrov-
skii's diaphragmatic flaps in esophageal surgery.
p.68.

Manovich, V.L., Stepanova, T.V. - Intravital staining
of the lymphatic system for detection of the thoracic
duct in its injury. p.73.

Tapinskii, L.S., Vol'-Epshtein, G.L. - Comparative
evaluation of some clinical and roentgenological
manifestations of congenital and acquired bronchiec-
tases. p.76.

Tatanov, N.F. - Immediate complications following
pneumonectomy in chronic lung suppurations. p.[illegible]

Evgrafov, V.L. - Method of temporary unilateral occlu-
sion of the pulmonary artery and bronchus. p.[illegible]

Umanskii, M.A. - Anesthesia in heart catheterization
in children. p.91.

Kerimov, G.M., Gurbanaliev, I.G. - Effectiveness of
the use of 1% solution of calcium chloride in pre-
operative preparation in suppurative diseases of the
lungs. p.95.

Bguntsev, N.I., Novosel'skaia, V.V. - Blood coagulo-
gram and its significance for the diagnosis of throm-
boembolic states. p.101.

Akzhigitov, G.N. - Oxyhemographic determination of
blood circulation time. p.106.

Shabalkin, B.V. - Embolic complications in mitral
commissurotomy. p.109.

Dotsenko, A.P. - Single-stage echinococcectomy in
bilateral echinococcosis of the lungs. p.117.

Predolin, N.S. - Multilocular echinococcosis of the
pericardium. p.118.

Kazakov, V.I. - Case report on incised penetrating
wounds of the heart. p.120.

Ratner, G.L. - Severing the abdominal aorta with late
complete restoration of the main blood flow. p.122.

Dumpe, E.P. - Obstruction of the superior vena cava
as a complication of Paget-Schroetter syndrome.
p.123.

Prokubovskii, V.I. - Atypical removal of embolism of
the right femoral artery. p.126.

Papunin, IU.G. - Case of perforation of an atheroscle-
rotic aneurysm of the abdominal aorta into the duo-
denum. p.127.

Patevskii, I.A. - Spontaneous passage through the thoracic wall of the aspirated rye ear in a child. p. 128.
Kovanev, V.A., Nezhlukto, A.IA. - Pneumonectomy in chronic suppuration of the lung in a patient with adrenal gland insufficiency. p. 129.
Pavlov, S.S. - Right-sided and central anterior congenital diaphragmatic hernias in an 8-year-old boy. p. 132.
Krylov, V.S. - Rare localizations of echinococcal cysts and pathways of metastasis of the parasite; a review. p. 133.
Ioffe, I.L. - Device for external determination of internal sizes of the blood vessels. p. 136.
Mikhail Isidorovich Kolomiichenko; on his 70th birthday. p. 142.
(DNLM)

Vol. 39, no. 6, June 1963.

Table of contents translated:
Petrovskii, B.V., Fedorova, O.D. - Errors and hazards in the surgical treatment of cardiospasm. p. 3.
Mandache, F., and others. - Surgical treatment of cardiospasm (extramucosal thoracoabdominal partial esophagocardiectomy). p. 10.
Karavanov, A.G., Volchek, V.M. - Immediate and remote results of the Petrovskii method of esophagoplasty in cardiospasm. p. 18.
Elanskii, N.N. - Multiple tumors of the stomach. p. 20.
Sardak, G.A. - Esophageal alloplasty. p. 27.
Shalimov, A.A. - Search for new methods of resection of the thoracic segment of the esophagus combined with intrapleural gastroesophagostomy. p. 33.
Loskutova, E.V. - Role of the vagus nerves in neurohumoral regulation of gastric secretion in man. p. 39.
Rozhakov, R.A., Denisov, V.V. - Insufficiency of the anastomosis in segmental plastic surgery of the thoracic of the esophagus; experimental research. p. 48.
Shabanov, A.N., Mikirtumov, S.M., Nazhetskaia, V.I. - Postoperative pancreatitis in surgical practice. p. 56.
Lur'e, A.S. - Technique of pancreatic resection in a transpleural removal of cardial cancer. p. 63.
Kurchavov, G.K. - Functional and morphological changes in the organs of the gastrointestinal tract after stomach resection; clinicoexperimental research. p. 65.
Tret'iakov, N.I. - Immediate and late results of resection of the ileocecal angle. p. 75.
Panchenko, V.M. - Changes in the coagulation and anticoagulation system of the blood associated with surgical interventions. p. 78.
Orinovskii, B.M. - State of blood serum proteins following surgery for diseases of the stomach and esophagus. p. 85.
Kaplanskii, B.S. - Relation between the changes in the activity of glutamic-aspartic aminopherase in the blood and morphological lesions of the liver parenchyma in different forms of cholecystitis. p. 90.
Kalinichenko, N.I. - Treatment of diffuse suppurative peritonitis in the Antarctic. p. 93.
Elizarov, D.A., Miroshnichenko, V.A. - Ileocoloplasty following the resection of the left half of the large intestine. p. 97.
Vasil'ev, A.A. - Technique of ileorectal anastomosis following total colectomy; experimental research. p. 102.
Kulakov, P.E., Grigor'ev, G.M. - Motor and evacuatory function of the resected stomach with small intestine enteroplasty in the early postoperative period. p. 107.
TSend, U.D. - Combined treatment of anorectal syndrome in the fourth venereal disease. p. 111.
Turusov, V.S., Apatenko, A.K. - Glomus angioma of the stomach. p. 115.
Kharitonov, R.K. - Surgical treatment of severe dumping syndrome following gastrectomy for cancer developed from polyps. p. 117.
Tarnopol'skii, A.M. - Surgical complications in lymphogranulomatosis of the small intestine. p. 119
Cheshik, V.G. - Transsternal retrosternal esophagoplasty from the right half of the large intestine. p. 122.
Deenichin, P. - Case of a large suppurating pseudocyst of the spleen. p. 124.
Rogozkina, M.V. - Case of leiomyoma of the cardial segment of the stomach. p. 126.
Futorian, E.S., Kagramanov, S.V. - Hemangioendothelioma of the stomach. p. 128.
Khanin, M.G., Kaem, R.I. - Primary cancer of the duodenum. p. 130.
Nurmukhamedov, R.M. - Leiomyoma of the stomach combined with acute phlegmon. p. 132.
Cherniavskii, A.A., Sveshnikov, P.A. - Six peptic ulcers of the small intestine following a conservative resection of the stomach in peptic ulcer. p. 133.
Firsov, V.D. - Case of cancer of the small intestine. p. 134.
Emirov, N.A. - Ameboma of the large intestine. p. 136.
Lidskii, A.T. - "Surgery in diseases of the blood system" by D.M. Grozdov, M.D. Patsiora. p. 138.
Korolev, B.A., Pikovskii, D.L. - "Diseases of Vater's papilla" by V.V. Vinogradov. p. 142.
Ostroverkhov, G.E. - "Surgical position and anesthesia" by A.P. Zil'ber. p. 143.
Nurmukhamedov, R.M. - Professor M.S. Astrov; on the 80th anniversary of his birth. p. 145.
Professor M.S. Rabinovich; on his 70th birthday. p. 146.
Venediktov, D.D. - The 48th Annual Clinical Congress of the American College for Surgeons. p. 147.
Minutes of meeting No. 1755 of October 12, 1962 of the Surgical Society of Moscow and Moscow Province. p. 153.
(DNLM)

NOVYI KHIRURGICHESKII ARKHIV [NEW SURGICAL ARCHIVES]. Issued by Ministerstvo okhorony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, nos. 5(233) - 8(236), 10(238), May.-Aug., Oct. 1961.
(DNLM)

ORTOPEDIIA, TRAVMATOLOGIIA I PROTEZIROVANIE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 24, no. 10, Oct. 1963.

Table of contents translated:
Nedrigailova, O.V., Pogrebniak, B.A. - Indications for arthrodesis of the hip joint in patients with sequelae of poliomyelitis. p. 3.
Dudnik, I.A. - Some characteristics of Trendelenburg's symptom in patients with sequelae of poliomyelitis. p. 11.
Shuliak, I.P. - Some problems in restoration of the weight-bearing capacity of a paralyzed extremity. p. 17.
Ancholovich, V.D. - Late results of the compound treatment of the sequelae of poliomyelitis. p. 24.
TSkhakaia, K.M. - Late results of myoplasty in paralysis of the musculus quadriceps femoris in patients with sequelae of poliomyelitis. p. 28.
Dotsenko, E.S. - Compound health resort treatment in the restorative and residual periods of poliomyelitis in children. p. 30.
Pigin, V.M. - Changes in statics in cerebral spastic paralysis patients following surgery for tendon elongation. p. 36.
Ashkenazi, A.I. - Diagnosis and classification of perilunar dislocations of the carpal bones. p. 41.
Samoilov, O.S., Rumiantseva, A.A. - Surgical treatment of habitual shoulder dislocation. p. 47.
Astakhova, E.I. - X-ray diagnosis of bone hemangiomas. p. 51.
IAralov-IAraliants, V.A. - Analysis of industrial injuries among agricultural machine operators in Kiev Province. p. 55.
Ulitskii, G.I., Shapiro, E.I. - Surgical treatment of pronation contracture of the forearm in cerebral spastic paralysis. p. 61.
Tikhonov, V.S. - Case of bilateral dislocation of the shoulder joint. p. 64.
Liandres, Z.A. - Surgical treatment of children with severe forms of recurvation and loosening of the knee joint following poliomyelitis. p. 65.
Kremnev, V.A. - Measuring the tonus balance of the dorsal muscles by a photoelectric cell device. p. 66.
Belen'kii, B.I. - Formula for calculation of the angle in sesequinus following arthrodesis of the talocrural joint. p. 68.
Revenko, T.A. - Improved method of myoplasty in the treatment of pseudarthrosis of the tibia. p. 69.
Altukhov, A.F., Talyshinskii, R.R. - Methodology of applying a thoracobrachial cast with the patient in a recumbent position. p. 72.
Bro., G.D. - Reduction of a neglected traumatic dislocation of the hip in senile persons. p. 73.
Abstracts of articles received by the editors. p. 74.
Mozhenina, E.P. - Treatment of cerebral spastic paralysis; review of foreign literature. p. 76.
Trifonov, A.P. - Some data on traumatism in the coal industries of the capitalistic countries in recent years. p. 81.
Zlotnikov, M.S. - Boris Sergeevich Gavrilenko; on his 60th birthday. p. 85.
Korzh, A.A. - Report on the activities of the societies of traumatologists and orthopedists in May-June, 1963. p. 86.
New books. p. 92.
Strukov, M.V., and others. - Fedor Aleksandrovich Kopylov; an obituary. p. 93.
Zygmunt Ambros; an obituary. p. 94.
(DNLM)

STOMATOLOGIIA [STOMATOLOGY]. Issued by
sterstvo zdravookhraneniia SSSR [Ministry o
of the U.S.S.R.]. Moscow, vol. 41, nos. 1, 6,
Feb., Nov.-Dec. 1962; vol. 42, no. 1, 5-6, J
May-June 1963.

VESTNIK KHIRURGII [REVIEW OF SURGERY],
by Khirurgicheskoe obshchestvo Pirogova [P
Surgical Society]. Leningrad, vol. 90, no. 5,

Table of contents translated:
Kharitonov, L.G., Kozhemiakin, A.G. - Use
esophageal prostheses. p. 3.
Polikarpov, M.IA. - Importance of selective
monography in determining the operability
cancer. p. 8.
Pirogov, A.I., Maksimov, IA. - Resection of
in metastatic tumors. p. 16.
Manevich, V.L. - Fibroma of the mediastinum
Dobrev, IA., Deenichin, P. - Neurogenic tumo
mediastinum. p. 26.
Vinogradov, V.V. - Operative pancreatograp
Makokha, N.S. - Some problems in the diagno
cancer in the area of the head of the pancre
p. 35.
Lur'e, A.S. - Resection of the pancreas in the
pleural removal of the stomach in cancer.
Ender, L.A. - Duodenal obstruction in cancer
pancreas. p. 45.
Khazov, P.D. - Noncontrast roentgenography i
diagnosis of breast cancer. p. 52.
Vitebskii, IA.D. - Diagnosis and treatment of
of the carotid body. p. 57.
Mirzaev, A.P., Il'inskaia, O.V. - Tumors of th
tid body. p. 60.
Demin, V.N. - Dispensary service for oncolog
patients in Leningrad. p. 63.
Sokolovskii, V.D. - Characteristics of the cou
acute surgical diseases of abdominal organs
diabetes. p. 68.
Vinogradova, O.I., Fidrus, E.I. - Strangulated
nias in elderly patients. p. 75.
Orlov, A.N. - Diagnosis and treatment of acute
gical diseases of abdominal organs in patien
burns. p. 83.
Kochetygov, N.I. - Early necrectomy in extensiv
experimental research. p. 89.
IUkhtin, V.I., Gologorskii, V.A. - Anesthesia i
gery on tumors of the large intestine. p. 93
Bairova, V.S., Lukovskii, R.V. - Intratracheal
oxide anesthesia in newborn infants and chil
p. 100.
Ovchinnikov, IU.I., IUr'ev, IU.N. - Intraosseous
thesia using neuroplegics. p. 105.
Sitkovskii, N.B. - Atresia of the anus and rectu
fistula in the perineal area. p. 111.
Abkin, D.E. - Cystic formations of the mesente
children. p. 113.
Kiselev, A.E. - Large pancreatic cyst in a chil
Pavlova, E.A. - Congenital stenosis of the duod
p. 120.
Besser, IU.V. - Teratoma of the abdominal cav
4 1/2-month-old infant. p. 120.
Zverev, A.F. - Primary hypernephroid cancer
liver in an infant. p. 122.
Avidon, D.B., Gavrilina, K.P. - Congenital dilat
the ileum. p. 123.
Silnov, IU.S. - Apparatus for stomach biopsy.
Voronskii, G.I. - Technique of transcutaneous s
noportography. p. 127.
Chervinskii, A.A., Sevast'ianova, A.D. - Splenc
raphy and hepatography as a method of deter
the operability of tumors in the epigastric re
p. 130.
Teitel'baum, I.D. - Complications following intr
arterial blood transfusion. p. 137.
Shtykalov-Katanov, N.G., Karelnyi, L.I. - Case o
erroneous surgery in a patient with hemophil
p. 139.
Shraiber, M.G. - Minutes of the Pirogov Surgica
Society for meetings Nos. 1304 - 1306. p. 14
Kabakov, B.D. - Minutes of the Plastic Surgery
of the Pirogov Surgical Society for meetings
10. p. 146.
Petr Andreevich Kuprianov; an obituary. p. 15
(DNLM)

VOPROSY NEIROKHIRURGII [PROBLEMS OF NEU
SURGERY]. Issued by Ministerstvo zdravookhra
SSSR [Ministry of Health of the U.S.S.R.]. Mos
vol. 27, no. 5, Sep.-Oct. 1963.

Table of contents translated:
Khominskii, B.S. - Degree of malignancy as ref
in modern classifications of tumors of the ner
system. p. 1.
Mikhailov, S.S., Kagan, I.I., Eremenko, V.I. -
Afferent innervation of cerebral veins. p. 7.
Gannushkina, I.V., Shafranova, V.P. - Experim
data on the collateral circulation in the surfac
vessels of the brain. p. 13.
Baiko, G.F. - Importance of the posterior menin
artery for the collateral blood flow in the hum
cerebral dura mater. p. 18.

3 14A-15a

[illegible], S. E. - Bioelectric activity of the brain in thrombosis of the internal carotid artery in the cervical region. p. 22.

[illegible], N. IA. - Clinical aspect and diagnosis of aneurysms of the anterior cerebral artery and the anterior communicating artery. p. 30.

[illegible], O. M., Podgornaia, A. IA. - Characteristics of electroencephalography in tumor lesions of subcortical ganglia. p. 34.

[illegible], D. K. - Importance of the diagnosis of epileptic paroxysms in tumors of the brain. p. 40.

[illegible], E. A., Sorkina, E. G. - Evaluation of the disorders of rhythmic movements in tumors of the right premotor zone. p. 43.

[illegible], M. A. - Quantitative correlations of hypophyseal tumors of different histological structure. p. 4[illegible]

[illegible], M. Sh., Lipavskii, S. L. - Effect of intravenous injection of a hypertonic urea solution on the blood. p. 51.

[illegible], V. A. - Change in the spectral properties of the cerebrospinal fluid in brain tumors. p. 53.

[illegible], E. M., [illegible], E. F. - Intracranial aneurysms pursuing a course similar to brain tumors. p. 55.

[illegible], N. M. - Surgical treatment of spontaneous intracerebral hemorrhages in toxemia during pregnancy. p. 58.

[illegible], V. F. - All-Union Problem Commission on the "Surgery of the nervous system." p. 59.

Shefer, D. G. - Review of the multivolume manual "Pathological anatomy of the nervous system," vol. 2. p. 61.

Shuk, V. N. - Review of Janes Bull and Wylie McKissock's book "An atlas of positive contrast myelography." p. 63.

Brief news. p. 64.

(DNLM)

i. VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 37, no. 4, Apr. 1963.

Table of contents translated:

Kozhevnikov, P. V. - Specialization and training of dermatovenereologists. p. 3.

[illegible], A. I. - Some data on the neurogenic pathogenesis and treatment of eczema and neurodermatitis; clinicophysiological study. p. 9.

Brailovskii, A. IA. - Skin diseases among residents of old age homes. p. 16.

Kushner, IU. A. - Effect of psychic trauma on the course of eczematous processes. p. 20.

Khilkov, V. A. - Functional disorders of the nervous system in patients with secondary eruptions (allergids, microbids). p. 26.

Shinskii, G. E. - Clinical manifestations of cryoglobulinemia. p. 32.

Gade, Z. Zh., Tumasheva, N. I. - Copper content in the blood and urine of patients with psoriasis and lupus erythematosus. p. 37.

Mirzoeva, M. G. - Solar varicella and the role of porphyrins in its pathogenesis. p. 39.

Chmel, L. - Considerations on the classification and terminology of medical mycology. p. 43.

Timokhovskii, IU. A. - Intrafocal administration of amphotericin B in the treatment of chromomycosis. p. 48.

Ovchinnikov, N. M., Turnov, N. M., Sazonova, L. V. - Role of the Treponema pallidum immobilization reaction in the diagnosis of false-positive results with standard serological reactions in pregnant women and patients of psychiatric hospitals. p. 52.

Kartamyshev, A. I. - Experience with the correspondence and resident specialization of dermatovenereologists. p. 58.

Ismail-Zade, I. M., Gusein-Zade, K. M., Mamedov, K. A. - Results of 12-year of cutaneous leishmaniasis in an epidemic focus. p. 61.

[illegible], V. I. - Concept of dispensary services for syphilitic patients by "zemstvo" physicians in the Vyatka Government. p. 65.

Shteinberg, M. A., Tribul'skaia, Z. F. - Short-wave ultraviolet therapy of seborrhea and acne with the KUF-3 lamp. p. 70.

Dolgor, Ch., Lkhundev, S. - Epilin in the treatment of fungus diseases in the Mongolian People's Republic. p. 72.

Kozlova, Z. M., and others. - Experience with 4% epilin plaster in the treatment of scalp mycosis. p. 73.

Marzeeva, G. I. - New drugs. p. 74.

Babanin, M. P. - Book reviews. p. 75.

Abstracts. p. 77.

Bibliography. p. 83.

Obituaries. p. 85.

(DNLM)

Vol. 37, no. 5, May 1963.

Table of contents translated:

Pototskii, I. I. - Skin lesions in chronic lympholeucosis. p. 3.

Khrunova, A. P., Angelova, V. S. - Functional changes in higher regions of the brain in allergic skin reactions in sensitized animals; based on electroencephalographic data. p. 7.

Likhachev, IU. P. - Transformation of Pautrier-Woringer lipopigmentary reticulosis into reticulosarcoma. p. 13.

Tret'iakov, G. P. - Blood serum protein fractions in eczema and neurodermatitis. p. 16.

Rogallin, V. I. - Skin surface pH changes under the influence of acetone, benzine and white spirit. p. 20.

Agapkin, I. N. - Primary tubercular lesion of the skin of the penis. p. 25.

Shaposhnikov, O. K., Krupko, M. I. - Hypertensive ulcers of the shin (Martorell's syndrome). p. 28.

Arutiunov, V. IA., Kravchenko, A. A., Odinokova, V. A. - Wegener's syndrome. p. 30.

Gadzhiev, P. G. - Basis for treating certain dermatoses with radioactive phosphorus (P^{32}). p. 35.

Loginov, V. K. - Tasks of scientific research in the field of leprosy. p. 41.

Al'kevich, IA. - Discussion of the problems of the classification and terminology of dermatomycoses. p. 45.

Reznikova, L. S., Stoianova, O. A. - Standardization of ram blood suspension by photoelectrocolorimetry (FEK-M) for the complement fixation test (RSK). p. 46.

Robachevskii, G. R. - Some remarks on the article of Prof. I. M. Porudominskii, "Principles of treating gonorrhea." p. 49.

Porudominskii, I. M., and others. - Study of the effectiveness of the preparation flagil in the therapy of trichomoniasis in women. p. 51.

Kachkovskii, M. A. - Organization of cosmetic aid. p. 54.

Reznikov, E. K. - Health education work in gonorrhea control. p. 55.

Levkov, A. A. - Photodocumentation in the dermatologist's work. p. 59.

Kozhevnikov, P. V., Frolova, M. A. - The role of the V. M. Tarnovskii Hospital in the development of Russian venereology and dermatology; on the 200th anniversary of the Kalinkino Hospital. p. 62.

Lesun, L. G. - Melkersson-Rosenthal syndrome. p. 69.

Lepiavko, A. G., Glukhen'kii, T. T. - Duhring's dermatitis herpetiformis with involvement of the internal organs. p. 71.

Ul'ianova, G. A. - New medicinal preparations. p. 73.

Anniversaries. p. 74.

Kozhevnikov, P. V., and others. - Book reviews. p. 75.

Abstracts. p. 87.

Brief news. p. 91.

Raben, A. S. - Obituary. p. 94.

(DNLM)

15. AGRICULTURE

a. GENERAL

AGROBIOLOGIIA [AGROBIOLOGY]. Issued by Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina [All-Union Lenin Academy of Agricultural Sciences]. Moscow, no. 5(143), Sep.-Oct. 1963.

Table of contents translated:

Avakian, A. A., Shumanskaia, M. G. - Biological nature of the process of fertilization. p. 643.

Dolgushin, D. A. - Principles of the "loosening" of the conservatism in plant heredity. p. 652.

D'iachenko, T. D. - Stimulating the variability of the spring wheat Tr. vulgare Host. by sowing unripe seeds. p. 662.

Babaian, V. O. - Development of new forms in wheat grown from unripe seeds. p. 672.

Kondratenko, F. T. - Using controlled conditioning in winter rye breeding. p. 675.

Shkliar, M. S., Khalimova, L. A. - Increase in the antibiotic activity of micro-organisms under the effect of the culture medium. p. 680.

Lysenko, O. T. - Preserving, during the winter period, plants of spring crops sown in early fall by late fall feeding with a sugar solution. p. 684.

Trunova, T. I. - Preserving poorly wintering winter and spring forms of wheat during fall, winter and spring. p. 687.

Marinchik, A. F. - Interspecific hybridization as a method for obtaining new high-yielding forms of sugar beets. p. 691.

Negovskii, N. A., Makogon, A. M. - Using forms with sterile pollen in breeding sugar beets. p. 700.

Mamporiia, F. D. - Accelerating the introduction of better citrus varieties. p. 705.

Coiciu, Evdochia, Silva, Felix. - Breeding poppy
double-purpose use. p. 709.

Sagaidak, I. N. - Producing tomato seeds of incr
viability (heterotic) by grafting additional roo
p. 716.

Novogrudskaia, E. D. - Effect of plants on the de
opment of nitrifying bacteria in the zones of th
root systems. p. 720.

Metel'skii, F. I. - Effect of organic-mineral fertil
on the yield of farm crops and properties of so
as related to their methodical use in a crop ro
tation. p. 725.

TSymbal, M. M. - Hidden harmfulness of common
and its elimination in winter wheat fields. p. 7

Krasnova, M. V. - Bacterioses of soybean and the
control in the Northern Caucasus. p. 73[illegible].

Deskaravainyi, M. M. - Biological role of the acc
tion of roots in natural pine stands. p. 744.

Ivanovskaia, T. L. - Accretion of roots in oak. p.

Tamassi, Istvan. - Some principal problems in the
support and degeneration of new fruit, berry, a
grape varieties. p. 763.

Kudzin, IU. K., Damaskina, A. S., Cheredavskaia,
N. A. - Conditions of the initial nutrition and the
yield of corn. p. 774.

Kiselova, A. K. - Using natural hybridization of fo
beans in breeding. p. 776.

Laptev, IU. P. - Increasing the pollination capacity
of castrated wheat flowers in free crossing. p. 7

Stefanovskii, I. A. - Resistance of spring wheat to excessive moisture in various growth phases. p. 776.

Kisliuk, M. M. - Variability of the wheat Tr. dicocc
Tr. persicum, and Tr. timopheevi under the
effect of low temperatures on sprouts. p. 779.

Kliukvina, IU. V. - Methods used in the germination
of cotton pollen in artificial media. p. 782.

Zasiadnikov, T. F. - State of trees planted in cluster
in Gorki Leninskiye. p. 783.

Todorov, Khr. - Formation of dormant buds in grapevines and their state in the tissues of many-year-old wood. p. 784.

Trinkler, IU. G. - Effect of the ripeness of potato tubers on their viability. p. 789.

Pogosian, S. A. - Grape breeding in the U.S.S.R. p. 789.

Neiman, N. F., Sorkina-Finkel', L. I. - From the pages of foreign biological and agricultural publications. p. 797.

Books sent to the editor for comment. p. 799.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia sel'skahaspadarchykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Agricultural Sciences]. Minsk, no. 1, 1964.

Table of contents translated:

Skarapanau, S. H. - Chemicalization and intensificatio
of agriculture in White Russia. p. 5.

Lupinovich, I. S., Haurylava, A. N. - Conditions of the potassium nutrition of plants (barley, potatoes) in light turf-Podzolic soils. p. 11.

Vil'dflush, R. T. - Problems of the efficient use of fertilizers in White Russia. p. 23.

Bol'ski, D. D., Kavalenka, N. A. - Economic effectiveness of the use of mineral fertilizers in peat bog soils. p. 32.

Niastsiuk, N. N. - Effectiveness of mineral fertilizers in crop rotations in peat bog soils. p. 39.

Zabela, D. A. - Fertilizing cultivated pastures in dry valleys. p. 45.

Rubanau, V. S., Krupen', N. I., Latushkina, N. M. - Quality of local organic fertilizers on the collective and state farms in White Russia and ways for its improvement. p. 52.

Barsukou, A. I. - Planting time and the yield of sugar beets in peat bog soils. p. 60.

Barozhkin, M. A., Sapahova, A. A. - Measures for protecting cucumbers from Sclerotina libertiana and bacteriosis in greenhouses and hotbeds. p. 64.

Slesarau, I. K., Shchyglou, U. V., Kviatkouski, H. I. - Theory and practice of the use of nonprotein nitrogen compounds in feeding farm ruminants. p. 69.

Pliashchenka, S., Bialova, E. - Tissue extracts stimulating growth in swine. p. 75.

Shvedau, H. D. - Using carbamide, ammonium acetate, and anhydrous ammonia in feeding lactating cows. p. 78.

Sial'skova, E. N. - Effectiveness of using vitamin B_{12} with the complex of biomycin feed preparations in chick rations. p. 84.

IAtsko, N. A. - Effect of the silage type of feeding on the digestion and metabolism in lactating cows. p. 88.

Pyl'nikava, A. P. - Digestibility of ration nutrients by pregnant sows at various feeding rates of sugar beets. p. 95.

Horski, N. A., and others. - Problems of improving the quality of milk in brown cow hybrids. p. 99.

IAzerskaia, A. I. - Characteristics of the internal organs and physiological features in the intrabreed types of Latvian brown cows. p. 103.

Ikoeu, F. I. - Important method of improving the reproduction of swine. p. 106.

Shcherbau, N. A. - Against the perversion of the system of group maintenance of swine. p.109.

Karnilau, IU. D. - Economic effectiveness of the various periods for swine fattening. p.115.

IAgorau, IU. H., Babkova, A. F. - Using chemical preparations in the control of monoieziasis in farm ruminants. p.123.

Rainou, A. B., Mikhedau, N. T. - Judging herd bulls by the milk yield of their daughters. p. 126.

Zapol'skaia, T.I. - Tipula paludosa and measures for its control. p.131.

Maksimava, T.M. - Comparative fattening of young pigs of the White Russian Black and White group and Large White strain. p. 134.

ALMA-ATA. KAZAKHSKII GOSUDARSTVENNYI SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [KAZAKH STATE AGRICULTURAL INSTITUTE. Transactions]. Vol. 9, 1961.
(DNAL)

ARMIANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ELEKTRIFIKATSII SEL'SKOGO KHOZIAISTVA. Trudy [ARMENIAN SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE. Transactions]. Erivan, no. 1, 1963.

Table of contents translated:

Van'ian, G.A., Muradian, G. G. - Present state and tasks of the mechanization of farm production in the Armenian S.S.R. - p. 3.

Muradian, G. G., Agadzhanian, Zh. A. - Improving the complex of machines for the overall mechanization of growing perennial plants on the Kirov State Farm in Vedi District, Armenian S.S.R. p. 17.

Oganesian, A. P. - Compiling a soil resistivity cartogram for the "Razdan" State Farm in Shaumyan District, Armenian S.S.R. p. 27.

Muradian, G. G. - Some results of the utilization of the tractor pool in the cotton growing zone of the Armenian S.S.R. p. 45.

Markarian, S. E., and others. - Selecting the complex of machines for the overall mechanization of the removal of farm manure from livestock barns under the stanchion maintenance system. p. 53.

Vanian, G. A. - Studying the variation of the suction and exhaust pressures of the D-35 diesel. p. 71.

Aleksandrian, K.V. - Experimental study of the effect of vibration of the traction resistance of scarifiers. p. 83.

Aleksandrian, K.V. - Field testing of a vibration scarifier for stony soils ("kirs"). p. 99.

Khachatrian, L.A., Ramazian, R. A. - Resistance of semidesert stony soils ("kirs") to erosion. p. 107.

Agadzhanian, Zh. A. - Calculating some parameters for covering framework. p. 117.

Khachatrian, Kh. A. - Equilibrium of disk-type tilling implements in working on lateral slopes. p. 129.

Piloian, G. R. - Theoretically based parameters of grapevine covering machines for vineyards formed according to the system of horizontal plant cordon. p. 147.

Khachatrian, Kh. A. - Expenditure of force in moving a wedge on slopes. p. 159.

Grigorian, Sh. M. - Kinematics of the mechanisms of the swinging of screened mills. p. 171.

Markarian, S. E. - Studying the dynamics of an electrified suspended monorail. p. 181.

Akopian, R.G. - Using statistical probability methods in analysing the voltage level in rural low-voltage networks. p. 199.

Dallakian, V. G., Sirekanian, R. V., Babaian, V. S. - Theoretical study of the working process of the removal of half-hidden and surface stones by mechanical working parts. p. 203.

ASHKHABAD. TURKMENSKII SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [TURKMEN AGRICULTURAL INSTITUTE. Transactions]. Vol. 11, no. 2, 1962. Fiziko-matematicheskie, biologicheskie i obshchestvennye nauki [Physicomathematical, biological and social sciences].

Table of contents translated:

Geoklenov, M.M. - V.I. Lenin on the electrification of the country. p. 1.

Annaev, R. G. - Discovery of new laws governing binary alloys. p. 5.

Vlasenko, P. A. - Determining the dependence between the parameters of natural phenomena or a technical process according to their geometrical interpretation. p. 15.

Grazhdan, P.E. - Chemical composition of water in the hydrogen sulfide springs on the northern slope of the Kyurendag Range. p. 37.

Grazhdan, P. E. and others. - Materials on the characteristics of the takyrs of the Tedzhen Delta.

Nikitin, V. V., Polkovnichenko, A. IA. - Materials on the biology of ephemeral plants. p. 69.

Nikitina, V. N. - Biological characteristics of seed germination in Gypsophila aretioides. p. 77.

Kariagdyev, N. N. - Use of herbaseous cocoon stands in the sericulture of Turkmenistan. p. 81.

Rustamov, A. K. - Study of the amphibians of Turkmenia. p. 85.

Rustamov, A.K., Kurbanov, A., Sopyev, O. - Amphibians and reptiles of the Atrek Valley. p. 95.

Karaev, M. - Materials on the food habits of the long-eared owl. p. 100.

Sopyev, O. - Reproduction of the warbler Scotocerca inquieta platyura Sev. p. 113.

Zabaluev, V. S. - Contradiction or harmony? p. 123.

Zabaluev, V. S. - Causes of the existence of the vestiges of religion in the U.S.S.R. p. 129.

Abdullaev, D. G. - Significance of the reorganization of machine-tractor stations for further development of the collective farm system in Turkmenistan. p. 137.

Niiazberdyev, M. B. - Results of the second five-year plan and their significance for further strengthening of the union between workers and farmers. p. 145.

Nezifi, M. G. - Independent extracurricular work of students during the study of languages. p. 157.

Belenitskii, V. A. - Planning the year-round training of the junior-class light athletes in the institutions of higher learning of Turkmenistan. p. 161.

KHIMIIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 2, no. 2(4), Feb. 1964.

Table of contents translated:

Baranov, N. N. - Effective use of fertilizers and the further intensification of agriculture. p. 2.

Turchin, F. V., Sokolova, V. I., Blium, B. G. - Urea-formaldehyde fertilizers. p. 6.

Pronin, M. E., Shatalova, M. I. - Fertilizers for winter rye and green fallowing. p. 10.

Rozhdestvenskii, I. G. - Importance of the form of mineral fertilizers in raw placement and as supplementary fertilizers for sugar beets. p. 13.

Shishchenko, S. V. - Absorption of soil and fertilizer nutrients by leguminous gramineous plants in pastures. p. 16.

Babenko, N. V. - Effect of the additions of synthetic resins on the physical properties of fertilizer mixtures. p. 19.

Sedykh, A. S., and others. - Effect of storage conditions on the change in the toxicity of phosphamide. p. 22.

Roslavtseva, S. A., Popov, P. V. - Activity and localization of aliesterase and cholinesterase inside insects. p. 25.

Bezuglyi, S. F., Sarishvili, I. G., Larina, G. A. - Photochemical odixation of petroleum products used as insecticides. p. 20.

Mardzhanian, G. M., Karian, A. A., Markosian, A. A. - Moist disinsectization of granaries with phosphorus organic preparations. p. 20.

Prisiazhniuk, A. A. - Effect of various disinfectants on the force of emergence, and large-scale and field germination of the Siberian pea tree seeds. p. 31.

Zhukova, L. M. - Effectiveness of ammonium polysulfide in controlling sugar beet powdery mildew. p. 33.

Voitekhova, V. A., and others. - Studying the herbicidal activity and selectivity of carbin. p. 35.

Korolev, L. I., Voitekhova, V. A., Starosel'skii, IA. IU. - Duration of the action of phenyldimenthylurea derivatives as related to the type of soils. p. 37.

Zosimovskaia, T. V., and others. - Killing scrubs by chemical treatment before the opening of leaves. p. 41.

Roktanen, L. S., and others. - Effectiveness of carbin in the control of wild oats. p. 43.

Shin, P. V. - Using herbicides in the Virgin Territory. p. 45.

Trusova, A. D. - Using herbicides in the Latvian S.S.R. p. 47.

Gershun, M. S., Guzeeva, T. N. - Economic effectiveness of using herbicides in the forest plantations and nurseries in Uzbekistan. p. 50.

Nosyrev, V. I., Ostrovskii, N. I. - Chlorophos, thiophos, and methylmercaptophos in the control of aphids and spider mites on medicinal plants. p. 51.

Popov, P. V. - From abroad. p. 53.

Sokol'skii, D. P., and others. - Brief news. p. 55.

Sokolov, A. V. - Bibliography. p. 62.

Vol. 2, no. 3(5), Mar. 1964.

Table of contents translated:

Shkonde, E. I., Koroleva, I. E. - Methods of determining ammonia nitrogen in soil by means of phenolate-hypobromite reaction. p. 3.

Sidorina, L. V. - Assimilation by plants of phosphate ions, absorbed by anion exchangers. p. 6.

Shishchenko, S. V. - Assimilation of the nit
mineral fertilizers by bean and grain con
in mixed sowing (experiments with N^{15}).

Mirzoev, A., and others. - Differentiated p
of phosphorus fertilizers in cotton fields.

Simakin, A. I., Goncharov, N. V. - Effective
of basic fertilizers in Krasnodar Territo

Andreeva, E. I., Potatueva, IU. A. - Effecti
of the joint placement of fertilizers, inse
and fungicides for sugar beets. p. 10.

Golyshin, N. M., Abelentsev, V. I., Solov'e
Joint application of copper oxychloride an
p. 20.

Shapovalova, K. G., Maksimova, Z. I., Mel'
I. A. - Insecticidal properties of some ca
acid derivatives. p. 23.

Bezuglyi, S. F., Lukanina, V. S. - Highly re
petroleum oil for summer spraying (sulfo
solar distillate from Balakhany petroleum
p. 27.

Gagarina, M. I. - Method of determining 2, 4
phenoxyacetic acid in plant tissues. p. 3

Gagarina, M. I. - Variable reaction of monoc
and dicotyledon plants to 2, 4-D. p. 32.

Effect of simazine and atrazine on the decrea
weediness of fields and the germination of

Shishkin, A. I. - Effect of simazine and atra
on the decrease of the weediness of fields
germination of weed seeds. p. 34.

Mordovets, A. A. - Chemical control of hoar
in winter wheat and barley fields. p. 36.

Kutuzov, G. P. - Results of using herbicides
fields. p. 38.

Kolonii, V. P., Vilesov, G. I. - Effect of vari
synthetic nitrogen compounds on the organ
of animals. p. 40.

Molochnikov, V. V. - Effect of various sulfur
on the growth of hybrid chicks. p. 40.

Kotovich, I. N. - Using polymers for protecti
fruit trees in wintertime. p. 50.

Bocharova, L. P. - Acquisition of resistance
carbamates by insects. p. 53.

Popov, P. V. - Use of pesticides in Finland.

Maslobeev, A. IA. - Conference on the scienti
principles underlying the chemicalization o
animal husbandry. p. 56.

Motion pictures tell how to apply chemistry to
culture. p. 57.

Mel'nikov, N. N. - A monograph on phosphoru
ganic insecticides. p. 59.

Books and brochures on chemistry in agricultu
p. 61.

KHLIBOROB UKRAINY [THE FARMER OF THE
UKRAINE]. Issued by Ministerstvo vyrobnytst
zahotivel' sil's'kohospodars'kykh produktiv U
[Ministry of the Production and Procurement
Agricultural Products of the Ukrainian S.S.R.
Kiev, no. 5, May 1964.

KRASNOYARSK. NAUCHNO-ISSLEDOVATEL'SK
TUT SEL'SKOGO KHOZIAISTVA. Trudy [SCIE
RESEARCH INSTITUTE OF AGRICULTURE. T
actions]. Vol. 1, 1962.

Table of contents translated:

Belozorov, A. T. - Row crop cultivation as a
an abundant farm production. p. 5.

Dergachev, K. V. - Some results of durum wh
breeding at the Krasnoyarsk Scientific Rese
Institute of Agriculture. p. 25.

Kirillova, K. I. - Effect of three elements on t
development of corn. p. 31.

Antipina, L. P. - Effect of fertilizers on the y
corn. p. 30.

Andronova, T. M. - Spot placement of fertilize
corn. p. 45.

Mozhaev, N. I. - Soils and fertilizers for corn
piedmonts of the Sayans within Krasnoyarsk
Territory. p. 47.

Dobretsov, A. N. - Brief survey of corn pests
diseases and measures for their control in
Krasnoyarsk Territory. p. 51.

Timina, A. G. - Growing fine-seed beans in th
forest-steppe zone of Krasnoyarsk Territor
p. 57.

Grigor'eva, P. G. - Sugar beet growing in Kra
Territory. p. 61.

Kharchikov, V. N. - Growth of sugar beets and
accumulation of sugar. p. 69.

Krupkin, P. I. - Characteristics of the soils in
of the Krasnoyarsk Scientific Research Insti
Agriculture. p. 73.

Sergeev, S. P. - Determining the design and ex
of optimal irrigation systems for farm crops
p. 99.

Kharchikov, V. N. - Quality of alfalfa hay as re
to the time of harvesting. p. 121.

Shevchenko, P. D. - Improvement of natural ha
fields and pastures in the forest-steppe zone
Krasnoyarsk Territory. p. 123.

Trynova, T. N. - Growing tomato seedlings in s
ing pots. p. 131.

Kuminov, E. P. - Gooseberry breeding in Siber
p. 135.

Solov'eva, D.D. - Fertilizing a fruit-bearing apple orchard with organic-mineral fertilizers. p.141.
[illegible], P.I. - Strawberry plantations in Siberian regions with scanty snow cover. p.143.
Dobretsov, A.N. - Cultivation practices in the control of the papation disease of oats in the forest-steppe of Krasnoyarsk Territory. p.147.
Savina, E.V. - Time and rates of the use of 2,4-D arboricide against shrub vegetation. p.153.
Dobretsov, A.N. - Stem-mining pests of wheat and their control in the forest-steppe of Krasnoyarsk Territory. p.157.
Volkov, S.D. - Effect of tissue extracts on the meat quality of young cattle. p.165.
Tatarov, G.A. - Effect of the mating age of young sows on their productivity and its economic effectiveness. p.171.
Savkina, Z.A. - Studying the qualitative composition of milk in Kemerovo sows. p.191.
Savkina, Z.A. - Growth and development of young pigs d ing a rhythmical protein feeding. p.199.
Kazak, V.A. - Fattening swine on rations rich in corn silage, alfalfa and nettle meals. p.211.
Kazak, V.A. - Growth and productivity of Large White and Kemerovo swine under various types of feeding. p.223.
Shilov, V.A. - Using succulent feeds in fattening swine for meat. p.251.
(DNAL)

KRASNOYARSK. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol.14, 1962.

KREST'IANKA [THE PEASANT WOMAN]. Published by Izd-vo [Publishing House] "Pravda." Moscow, vol.42, no.5, May 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no.5, 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO RSFSR [COLLECTIVE AND STATE FARM PRODUCTION OF THE R.S.F.S.R.]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Moscow, nos.4-5, Apr.-May 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo proizvodstva in zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol.18, no.5, May 1934.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURKMENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Turkmenskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Ashkhabad, vol. 8, no.4, Apr. 1934.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO UZBEKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF UZBEKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Uzbekskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Uzbek S.S.R.]. Tashkent, vol.25, no.4, Apr. 1964.

LENINGRAD. SEVERO-ZAPADNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOGO KHOZIAISTVA. Nauchnye trudy [NORTHWESTERN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Studies]. Leningrad, no.5, 1963. Voprosy sistemy obrabotki pochv Severo-Zapadnoi zony [Problems of the tillage system in the northwestern zone].

Table of contents translated:
Introduction. p. 3.
Sapozhnikov, N.A. - Some theoretical problems of tillage in the Podzoil soils of the northwestern zone. p. 6.
Blagovidov, N.L., Motkin, V.M. - Physical properties of Podzolic-type soils in the northwestern zone. p. 61.
Doganovskii, M.G. - Problems of the complex of tillage machines for the northwestern zone of the R.S.F.S.R. p. 106.
Revut, I.B., Kochurova, I.I. - Density of turf-Podzolic soils as related to the tillage problems. p. 137.
Zaev, P.P., Korolev, A.V. - Studying the plowing of soils with and without mouldboard in the northwestern zone. p. 157.
Trutnev, A.G., Karetin, L.N. - Tillage system for the freshly reclaimed soils in the northwestern zone. p. 188.
Chernyshov, V.A. - Methods of the deep subsoiling of the Podzolic soils in the northwestern zone. p. 203.
Poliakova, N.E. - Tillage of Podzolic soils for spring grain crops before sowing. p. 234.
Vedeneeva, N.A. - Development and absorption capacity of the root system of herbaceous plants as related to the tillage methods of Podzolic soils. p. 257.
Podlipenko, F.A. - Characteristics of tillage for the mineral soils oversaturated with water in the northwestern zone. p. 274.

MEKHANIZATSIIA I ELEKTRIFIKATSIIA SOTSIALISTICHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 22, no. 1, 1964.

Table of contents translated:
Kliatis, L.M. - Centrifugal spreaders of mineral fertilizers. p. 1.
Goberman, L.A. - Studying the performance of bucket grabs in the transshipment of mineral fertilizers. p. 4.
Veletskii, I.N. - Mechanization of the placement of herbicides in the soil. p. 8.
Boltinskii, V.N. - Scientific bases of cultivation requirements for high-speed tractors. p. 13.
Vasilii Nikolaevich Boltinskii. p. 13.
Gudkov, A.N., Zadneprovskii, R.P. - Basis for determining the parameters of the working parts of a vibration thresher. p. 21.
Brief news. pp. 24, 32, 49, 57.
Srebrianskii, A.V., Degtiarev, V.N., Efremov, P.P. - Injection of oil in the lubrication system of diesel tractors before starting. p. 25.
Nurminskii, I.N. - Heat insulation of engines during winter utilization. p. 27.
Budzko, I.A. - Development of the electrification of agriculture and the tasks of science. p. 29.
Shmigel', V.N. - Distribution of grain on the sieve in an electrostatic field. p. 33.
Mikhail Grigor'evich Evreinov. p. 33.
Srapeniants, R.A. - Elements of the theory of a gamma-electron relay for a radiometric separator of potatoes. p. 37.
Pavlenko, V.A. - Determining the physical and mechanical properties of materials by the electroacoustic method. p. 41.
Dubrovskii, A.A. - Electrohydraulic effect and its application in agriculture. p. 45.
Avdeev, N.E. - Simplified method of determining the reduced moment of inertia of machines and tractor-driven machinery. p. 50.
Goncharov, I.A. - Effect of the running speed on the skidding of driving wheels of a tractor. p. 51.
Gura, G.S., Chichinadze, A.V. - Experimental study of the skidding resistance of runners on the ground. p. 52.
Kuz'min, M.V. - Studying arch tires. p. 53.
Maiorov, G.V. - Air flow conditions in grain cleaning. p. 54.
Matveev, A.S. - Studying parameters for a pneumatic seed classifier. p. 55.
Obertyshev, A.I. - Length of the loading opening of a screw transporter. p. 56.
Gal'perin, A.S. - Lateral deviation of tractor tires of the R type on slopes. p. 58.
Belykh, P.F., Rudashov, V.V. - Apparatus for the engineering evaluation of the performance of agricultural machines. p. 59.
Leman, P.P., Zaitsev, V.P. - Jet-type pickup and the field of its application. p. 60.
Konstantin Aleksandrovich Polevitskii; an obituary. p. 61.
Litvinov, M.A. - Mechanization of the use of mineral fertilizers. p. 62.

Vol. 22, no. 2, 1964.

Table of contents translated:
Following the main trend. p. 1.
Poliachenko, V.P. - Tasks of the overall mechanization of the placement of mineral fertilizers. p. 3.
Bulaev, V.E. - Agricultural requirements of a fertilizer spreading apparatus for potato planters. p. 5.
Sysolin, P.V. - A new fertilizer spreader. p. 7.
Smetnev, S.D. - Efficiency of fertilizer spreaders. p. 9.
Budko, A.I. - Technology of the overall mechanization of sugar beet growing and harvesting. p. 11.
Bronshtein, IA.L. - Statistical analysis of the work of the automatic control system of a tractor. p. 14.
Boroshok, L.A. - Automatic control of the working parts of machines in a vertical plane. p. 19.
Gurarii, I.M. - Studying the automatic control systems of loading a grain harvesting combine by the method of simulation. p. 23.
Kochkhuashvili, A.G. - Automatic devices impro the accuracy of technological processes in orchards and vineyards. p. 26.
Gol'fenbein, S.P., Svirshchevskii, A.B. - Mathematical modeling in studying the automation of agricultural production processes. p. 28.
Brief news. pp. 30, 48, 61.
Popov, V.P. - Calculating and estimating the reliability of machines. p. 31.
Buzulukov, P.A. - Determining the expected annual extent of technical maintenance and repa p. 35.
Kukta, G.M., Fenenko, A.I. - Conditions for the efficient utilization of milking systems. p. 39.
Gurlovnik, E.A. - Selecting the optimal complex of machines for dairy farms. p. 42.
Budzko, I.A., and others. - Electronic impulse control of electrical loads. p. 45.
Mel'nikov, D.I. - Stability of the direction of tractor motion. p. 49.
Mirzoev, E.S. - Effect of the parameters of the crawler track on the dynamics of turning a tractor on slopes. p. 51.
Veselovskaia, E.M. - Theory of the motion of a wedge in a sandy medium. p. 52
Ksifilinov, Kh.A. - Screw leveler of roots for sugar beet harvesters. p. 53.
Gnolanik, V.A., Shapran, IU.M. - Duration of the production cycle in the specialized repair of machines. p. 55.
Vereshchagin, N.I. - Two-phase potato harvesting. p. 56.
Gus'kov, V.V., Katsygin, V.V. - Equipment for the automatic traction testing of tractors. p. 59.
Automatic plow "Agro-robot." p. 62.
From the pages of translated journals. p. 63.

MEKHANIZATSIIA SIL'S'KOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Ukrains'k respublikans'ke ob''iednannia "Ukrsil'hosptekhnika" [Ukrainian Republic Association "Ukrsil'hosptekhnika" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 10, no. 10, Oct. 1959; vol. 13, nos. 3, 5, 11, Mar May, Nov. 1962.

Vol. 13, no. 10(164), Oct. 1962.

Table of contents translated:
Editorial: Meet the Great October with glorious deeds! p. 1.
Bezshtiaha, O.S. - Let's honor the farmer! p. 3.
Chmel'ov, M.A. - Extend the use of production resources. p. 4.
Kal'bus, H.L., Isaiov, S.S. - Modernization of the stand for testing hydraulic equipment. p. 6.
Tkachenko, V.M., Kalenychenko, V.F. - Use of devices for repairing hydraulic equipment. p. 8.
Malakhov, V.S. - How to prevent the deformation of cylinder blocks. p. 10.
Ohnivenko, V. - Washer catcher. p. 11.
Nechyporenko, P.O. - Produce more peat-mineral-ammonia fertilizers. p. 11.
Hryn', A.L., Vesna, M.M. - Make a highly efficient use of the OP-4B corn husker. p. 14.
Naumov, V.O. - Our methods of using machines in vineyards. p. 15.
IEmel'ianov, M.N., Hnovkovs'kyi, V.H. - About the use of tractors in transportation work. p. 16.
Khymoryk, IU.A. - Mechanizing the building of ponds for fish culture. p. 17.
Liushyn, M.I. - Increasing the capacity of available motortrucks. p. 19.
Pochonyi, Kh.D. - Establishing work norms for the placement of organic fertilizers. p. 20.
Zal'tsman, I.N. - Production and fuel consumption norms for the T-28 tractor. p. 22.
Luchkovych, S.H. - Loose maintenance of cattle on the collective farms in Kirovograd Province. p. 24.
Rodionov, O.H. - Characteristics of the utilization of the "herringbone" arrangement for milking parlors. p. 26.
Panasenko, F.D. - Machine for the production of hay meal. p. 27.
Hrianyk, H.M. - About an efficient method of digging sugar beets. p. 29.
Hurarii, I.M. - Automatic control of the load of the threshing mechanism of a combine. p. 30.
Okhrimenko, O.F. - Machine operators should have solid knowledge. p. 32.
Hornyi, O. - Changing the clutch of the KDP-35 tractor. p. 32.

Vol. 16, no. 2(170), Feb. 196[illegible].

Table of contents translated:
Toward the Plenum of the Central Committee of the CPSU. p. 2.
Kozyriev, M.M. - Training machinery operators is an important national economic task. p. 4.
Karpenko, S.O. - Using machines for the nutrition of winter crops. p. 6.
Holubiev, O.S. - Devices for controlling electric equipment. p. 8.

Novyts'kyi, I. V. - Characteristics of the utilization of the D-16 engine. p. 9.
Iziumov, V. V. - Mechanization of irrigation preparation work. p. 10.
Soroka, H. T. - Centralizing the reconditioning of plunger pairs. p. 12.
Onyshchenko, V. H. - Technological repair and the technical methods of its performance. p. 14.
Storchak, I. M. - Make extensive use of pneumatic instruments. p. 16.
Ochabruk, IA. M. - Pressing out and press fitting of the bushings of rockers. p. 16.
Lanhert, B. A., Kulyns'kyi, H. A. - Reconditioning cylinder heads using epoxy compounds. p. 18.
Popov, I. H. - Efficiency proposal by the turner O. A. Bachurin. p. 19.
Kobets, I. - Poltava's contrasts. p. 20.
Dubrovin, V. S. - Final accounting of the work in overall machinery maintenance. p. 22.
Bilyk, P. H. - Simplified oil catcher. p. 23.
Kalynovs'kyi, R. S. - Production and fuel consumption norms for the T-40 tractor. p. 24.
Barabash, M. S. - To make tractors perform more efficiently. p. 26.
Hukalov, V. M., Zhernovyi, I. P. - Group waterers with floatless regulator. p. 27.
Serbin, IU. - Using the TVK-80A feed distributor. p. 29.
Kravchenko, V. M. - Machines perform highly efficiently. p. 29.
Zal'tsman, I. N. - Output norms for mechanized operations. p. 30.
Panchenko, I. IA. - Each machine should be provided with a technical certificate. p. 31.
Zholkina, A. H. - New conventional designations of the components of electric networks. p. 32.

Vol. 15, no. 5(173), May 1964.
Table of contents translated:
In the busy May days. p. 1.
Kobyl'chak, M. M. - There will be beacon lights in Kiev Province]. p. 3.
Nastenko, P. M. - Progressive technology of potato production. p. 4.
Dokuchaiev, A. O., Pysnako, IE. O., Kudlai, F. A. - Experiments in the wide row precision sowing of corn. p. 7.
Getmans'kyi, A. I. - For cleaning digger arms. p. 8.
Terekhov, A. P., Semakhin, D. M. - Nomograms for calculating the density of a plantation. p. 9.
Hnatiuk, O. M. - Shaping sugar beet stands. p. 11.
Shtangei, I. F. - Make efficient use of sprinkling units. p. 13.
Khymeryk, IU. A. - Machines for the construction of irrigation systems. p. 15.
Los', M. D. - Pumping station. p. 16.
IArovyi, V., Kachan, V. - A manual on the mechanization of irrigation and drainage. p. 17.
Hel'man, V. M. - Important factor in intensification. p. 18
Dmytryshyn, I. P. - Modern way of the organization of the work of machinery operators. p. 19.
Chudnovs'kyi, IE. IE., Il'nyts'kyi, D. V. - New means for performing technical maintenance. p. 20.
Mertsedin, R. M. - How to attach the HAN-8 machine to the MTZ-50PL tractor. p. 22.
Lisovets', M. D. - Using spiral steel oil control piston rings. p. 23.
Solon'ko, P. T. - Repairing the pumps of the NSh-type. p. 24.
Pankevych, B. M. - Using the "herringbone" milking system. p. 27.
Prytchenko, S. A. - How to improve the efficiency of green forage grinders. p. 28.
Moroz, V. I. - Order machinery for livestock farms properly. p. 29.
Nastenko, M. M. - Training machine operators. p. 31.
Vesna, M. M. - The KO-1608 stand. p. 31.

MOSCOW. INSTITUT INZHENEROV ZEMLEUSTROISTVA. Trudy [INSTITUTE OF LAND UTILIZATION ENGINEERS. Transactions]. No. 19, 1963; no. 20, 1962.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Reports]. No. 87, 1963. Gidrotekhnika i melioratsiia [Hydraulic engineering and land improvement].

Table of contents translated:
Editorial. p. 3.
Sharov, I. A., Natal'chuk, M. F. - Problems of new machinery in field irrigation. p. 5.
Aver'ianov, S. F., Abduragimov, T. A. - Desalinization effect of horizontal drainage. p. 17.
Karambirov, N. A., Chogdon, Zh. - Studying water flow toward a well with periodical take off. p. 29.
Savarenskii, A. D. - Hydraulic engineering design of an irrigation and drainage system with automatic control of moisture conditions. p. 37.
Kutergin, V. A. - Methods of coordinating the rated discharges of irrigation and conveying pipelines with water discharge in canals and the length of pipelines with the size of the irrigation section. p. 45.
IAkovlev, S. D. - Comparative analysis of the calculation formulas for the shifting of sediments in open and pressure channels. p. 55.
Bogushevskii, A. A. - Determining the nature and amount of seepage from artificial reservoirs and canals in the presence of permafrost. p. 65.
Vedeniapin, V. E. - Effectiveness of the concrete lining of the canals of the Khodzhabakyrgan Irrigation System. p. 73.
Kharlamov, M. P. - Distribution of water in soils under sprinkling with the DDA-100M unit on steep and medium slopes. p. 83.
Kharlamova, L. F. - Salt conditions and soil moisture consumption by cotton when sprinkled under the conditions of a high groundwater table. p. 93.
Akzhanov, A. A. - Studying the elements of the irrigation technique using extended furrows. p. 101.
IArvela, Kh. A. - Evaluation of the anticipated accuracy of measuring soil moisture by the neutron method. p. 111.
Abduragimov, T. A. - Studying the desalinization effect of horizontal drainage with the use of radioactive isotopes. p. 119.
Efendiev, N. T. - Additional resistance to water influx in pipes. p. 127.
Rustamov, G. G. - Experimental checking of the calculation method for multipurpose drainage. p. 135.
Degtiarev, B. M. - Experimental studying of vacuum drainage. p. 143.
Abdel' Vakhab Amer. - Experimental studying of the measures for controlling the subsurface flooding of irrigated lands. p. 151.
Panteleeva, N. N. - Some results of the use of electric prospecting in drainage areas. p. 159.
Orlov, P. M., and others. - New methods for checking an aneroid barometer. p. 165.
Golubkin, V. M., Sokolova, N. I., Vinogradova, V. A. - Studying the OTSh scaled optical theodolite. p. 169.
Vinogradova, V. A., Golubkin, V. M., Nedesheva, L. P. - Studying the tables used in computing the increase of plane rectangular coordinates in surveying. p. 177.
Nedesheva, L. P. - Bases of mapping scales and the altitude of cross sections of a relief in surveying drained sections. p. 187.
Shchipakin, V. P. - Expediency of joining of short drainpipes by means of elastic couplings. p. 193.
Kosov, B. I. - Using thixotropic phenomena for strengthening the artificial colmatage of soils. p. 201.
Volkovskii, P. A. - Contents of drainage canals. p. 211.
Agroskin, I. I. - Hydraulic calculations of submerged broad-crested weirs. p. 217.
Gretsov, N. A. - Hydraulic resistance and the efficient form of rectaxial confusor pipes with a screen before the intake. p. 223.
Aivazian, O. M. - Some aspects of the modern theory of the hydraulic resistance of channels and their correspondence with experimental data. p. 231.
Kremenetskii, N. N., Shterenlikht, D. V. - Studying the flow around the pipelines laid on the bed of water streams with free surfaces. p. 245.
Savarenskii, A. D. - Methods for the approximate calculation of surface and subsoil runoff under the conditions of a developing agrotechny. p. 251.
Vasil'eva, I. A. - Filtration under conjugated structures on canals. p. 259.
Bryzgalov, S. A. - Effect of the angle of the water intake front on the compression of the flow in water collectors. p. 265.
Shterenlikht, D. V. - Some results of the study of the flow around pipelines. p. 271.
Shterenlikht, D. V. - Distribution of pressure on the surface of rough cylinders. p. 277.
Nebol'sina, K. A. - Distribution of the discharge among the water conduits of combined hydroelectric power stations. p. 287.
Malyshev, M. P. - Some results of the field observations of seepage in the structures of the Volga Hydraulic Power Station (22d Congress of the CPSU). p. 297.
Romadin, V. A. - Determining the aeration degree by piezometers. p. 305.
Romadin, V. A. - Measuring the aeration degree of a flow by the gamma-spectroscopic method. p. 313
VAn Min-fu [Wang Ming-fu]. - Regularities of the distribution of shoals in branched river channels. p. 319.
TSzen TSin-khua [Tseng Ching-hua]. - Formation of channels in the bends of streams. p. 327.
Musaev, G. M. - Leakage under the tainter gates of deep-seated orifices of a combined spillway-sluiceway. p. 333.
Musaev, G. M. - Studying the hydraulic performance of a deep-seated orifice covered with a vertical cylindrical gate. p. 345.
Annaev, S. A. - Studying the evolution of the bed in the Karakum Canal. p. 353.
Serebriakova, Z. V. - Utilization, calculation, forecasting of the accumulation of debris in hydroelectric power stations in the U.S.S.R based on the zoning principle. p. 359.
Emel'ianov, L. M. - Calculating subsoil thick- annular cylindrical pipes by the theory of el ticity. p. 367.
Rubinshtein, A. L. - Conditions for the constru buildings and farm structures on state farms cated on loess soils. p. 379.
Otreshko, A. I. - Increasing the effectiveness o use of steels of improved strength in bearing structures. p. 387.
Otreshko, A. I. - Girder units of tubular and an profiles. p. 397.
Vinogradov, S. V. - Testing a model for a circu cylindrical building. p. 407.
Ksenofontov, K. A. - Calculations for hinge-rod structures based on kinematic principles. p.
Dvoeglazova, A. D. - Determining the bearing c of thin-walled aluminum alloy profiles under peated varying loads. p. 425.
Balovnev, G. G. - Experimental study of the str and rigidity of aluminum profiles in twisting a bending. p. 433.
Kabat, G. V. - Fatigue strength of thin-walled pr during bending in various planes. p. 441.
Kirillov, A. A. - Building hydraulic structures b method of preliminary wetting. p. 451.
Frolov, N. N. - Calculating the degree of sagging foundations on loess soils. p. 457.
Liubimov, V. Z. - Effect of the moisture content soils on their sagging capacity. p. 463.
Silkin, A. M. - Methods of determining the struc type of peat and the natural sagging of peat foundations. p. 469.
Nikol'skii, A. IU. - Manufacture of reinforced co crete pipes with the use of a pneumatic cemen mortar pump. p. 477.
Kolotushin, A. S - Strength of centrally compres rods in the elastoplastic stage. p. 483.
Potapova, G. N. - Studying the conditions of mois ing loess soils. p. 493.
Mer, I. I. - Set of machines for constructing the seepage control aprons from betonite clays for irrigation canals. p. 501.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVEN AKADEMIIA IM. TIMIRIAZEVA. Izvestiia [TIM ZEV AGRICULTURAL ACADEMY OF MOSCOW. letin]. No. 1(32), 1960.

Table of contents translated:
Maisurin, N. A. - The most important tasks of agricultural science. p. 7.
Chen' Go-pin [Ch'en Kuo-p'ing], Stepanov, V. N. Interrelations between corn and legumes in mi seedings as related to environmental condition p. 13.
Bogoiavlenskii, O. N. - Growing corn with wider rows and their effect on the yield of winter whe in the zone of insufficient moisture in Stavropol Territory. p. 29.
Savich, I. A. - Improving local swine breeds. p.
Arzumanian, E. A. - Basic problems of developin purebred and hybrid cattle. p. 65.
Zherebtsov, P. I., Vrakin, V. F. - Developing Pa method of studying the physiology of digestion farm animals. p. 77.
Gunar, I. I., Kaspshik, M. Krastina, E. E. - Rea of tomatoes to the interruption of light and dar periods in various hours of the day. p. 89.
Medvedev, Zh. A. - Biological synthesis of protei and the problem of heredity. p. 103.
Porshina, M. N. - Soil formation process. p. 127
Shkel', S. E. - Penetration of radioactive calcium the leaves of the sunflower as related to the su of the nutritive medium with calcium and the ag of the plant. p. 135.
Listov, P. N., Minkisbev, N. F. - Hand electric m chine for tilling the circles around the tree tru p. 149.
Stepanov, A. I. - Economics of grain production i Novouzensk District, Saratov Province. p. 16
Arabaev, E. I. - Economic problems of agricultur in Tunisia. p. 181.
Filimonova, L. N. - Studies on the biology and cul vation practices of corn. p. 189.
Drozdovskii, E. M. - Scale insects (Homoptera, Coccoidea) on fruit and berry crops in Moscow Province. p. 193.
Makarov, A. A. - Cytoplasmic male sterility of th common onion. p. 209.
Rykshina, Z. P. - Biological enrichment of sour m products with vitamin B_{12}. p. 217.
Atrashkov, V. A. - Effect of keeping conditions on yields, reproduction capacity, and some clinica and physiological indices of cows. p. 226.
Petrov-Spiridonov, A. E. - Polarographic method determining calcium in solutions and plant tissu p. 236.

NOVOCHERKASSK. IUZHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROTEKHNIKI I MELIORATSII. Sbornik trudov [SOUTHERN SCIENTIFIC RESEARCH INSTITUTE OF HYDRAULIC ENGINEERING AND RECLAMATION. Papers]. No. 7, 1960.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-11, May-June 1964.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 5, May 1964.

SEL'SKOE KHOZIAISTVO BELORUSSI [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 12, nos. 8(152)-10(154), Apr.-May 1964.

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 12, nos. 4-5, Apr.-May 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Saratov, vol. 2, no. 5, May 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Krasnodar, vol. 2, no. 5, May 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Omsk, no. 5, May 1964.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandussaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol. 19, nos. 10-11, May-June 1934. [In Estonian]

STAVROPOL. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. No. 11, 1962. Zhivotnovodstvo [Animal husbandry].

Table of contents translated:

Lin'kov, S.M. - From the practices of the mass political work of the party organizations in rural areas. p. 3.
Sakhnovskii, V.V. - Effect of high-quality protein nutrition on the growth and development of young cattle. p. 16.
Sakhnovskii, V.V. - Protein nutrition of Brown Swiss calves. p. 24.
Drofa, E.V. - Some characteristics of Groznyy Merino in the steppe zone of the Northern Caucasus. p. 29.
Khadanovich, E.E. - Using urea in poultry raising. p. 34.
Fesik, V.N. - High-yield Brown Swiss cattle herd. p. 37.
Savel'eva, K.V. - Introducing new feeding substances for fishes in the Sengileyevskaya Reservoir. p. 45.
Popova, M.S. - Biology of commercial fishes in the Sengileyevskaya Reservoir in connection with its utilization for commercial fishing. p. 49.
Marchenko, G.F., Orlov, P.V. - Veterinary hygienic estimation of houses for winter lambing of sheep in Stavropol Territory. p. 55.
IUr'ev, G.S. - Ecological forms of wild carp in the Proletarskaya Reservoir (Manych). p. 64.
Tarasova, D.S. - Characteristics of hybrid sheep of the first generation on the training farm of the Stavropol Agricultural Institute. p. 69.
Loriia, Z.V., Loriia, K.F. - Crossbreeding of cattle for market production as a major possibility for increasing the production of beef. p. 74.
Anisimova, V.K., Rudin, V.D. - Effect of the microelements cobalt and iodine on the butterfat content of milk on the training farm of the Stavropol Agricultural Institute. p. 79.
Anisimova, V.K., Krivchikova, T.A., Ivanova, N.D. - Quality of milk as raw material in Stavropol Territory. p. 85.
Glukhov, V.F., Liubimov, IU.A. - Possibility of the production of specific antibodies by conditioned reflexes. p. 92.
Sidorova, S.G., Dobrynina, V.I., Rudin, V.D. - Stimulating effect of some trace elements combined with phenothiazine on the organism of sheep. p. 97.
Gavrilova, K.I. - Effect of phenothiazine on the activity of blood enzymes in sheep. p. 101.
Medvedev, IU.A. - Celiac artery in Soviet Merino sheep. p. 106.
Medvedev, IU.A. - Mesenteric arteries in Soviet Merino sheep. p. 113.
Volokushin, N.G. - Femoral and tibial arteries of Soviet Merino sheep in X-ray pictures. p. 119.
Pokidov, I.I. - Experiments in the use of acaricidal preparations in controlling ixodid ticks in pastures. p. 125.
Rzhevutskaia, O.P. - Various forms of the division of the nerve cells of intervertebral ganglia. p. 131.
Zadarnovskaia, G.F. - Physiological function of allantois in the embryogenesis of birds. p. 138.
Terekhina, M.T., Loginov, M.M. - Nondismountable mobile sheds in the prophylaxis of pulmonary diseases in lambs. p. 144.
Rasskazovskii, P.A. - Splenectomy in cattle and sheep. p. 148.
Kupchinskii, V.L. - Amputation of pathologically twisted horns in Soviet Merino rams. p. 152.
Zolotousova, A.I. - Studying the physicochemical changes occurring in rabbit meat kept at various temperatures. p. 161.
Bannikov, A.A. - Pathogenesis of tuberculosis in poultry. p. 167.
Bannikov, A.A., Khurshudiants, R.S., Tishina, N.D. - Degree of the activity of various types of tuberculin in the diagnosis of tuberculosis in poultry. p. 172.
Khurshudiants, R.S. - Intravital methods of diagnosing tuberculosis in poultry. p. 177.

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 12, Dec. 1963.

Table of contents translated:

Overall mechanization as the main condition of the efficient use of fertilizers. p. 1.
Kosnikov, N., Paramonov, P. - Economics of mechanized production of peas. p. 4.
Chernikov, B., Kazakov, M. - Technology and mechanization of the preparation of peat-mineral fertilizers. p. 7.
Polunin, N. - Granulation of fertilizers from organic-mineral mixtures. p. 14.
Bremer, G., Zlotin, A. - Carrousel-type conveyor milking system. p. 17.
IAvorskii, A. - Use machinery efficiently in the preparation and distribution of green forage. p. 19.
Dargis, V. - The KPI-4 root cutter. p. 22.
Results of the All-Union competition for the best design of a circular carrousel-type conveyor milking system. p. 24.
Kolesnikov, I. - Sprinkler irrigation of farm crops. p. 25.
Koganov, A. - Utilization of machines in irrigation farming. p. 31.
Tashkinov, V. - New design of electric pulley blocks. p. 35.
Vishnevskii, IU. - Reconditioning a coupling joint. p. 40.
Ogii, G. - Improving the T-74 tractor. p. 41.
Stepaniuk, P. - Front driving axle of the MTZ-52 tractor. p. 44.
Sviatovets, V. - The TKU-0,9 universal trench digger. p. 48.
Pivovarov, I. - The 1-PTS-2 tractor trailer. p. 49.
Rybakov, K., Mosikhin, E. - Determining the time for changing filtering elements. p. 50.
Fainberg, A. - Infrared burners in outdoor maintenance of motortrucks. p. 53.
Stekhun, A. - Lubrication oils of improved quality. p. 55.
Zakharkinskii, V. - Adding kerosene to diesel fuels. p. 56.
Pichugin, A. - Packing the plunger of a hydraulic cylinder. p. 56.
Frolov, V. - New equipment for the continuous repair of tractors. p. 57.
Shostak, D. - Universal stand. p. 61.
Tel'nov, N., Asivatsaturov, G. - Electrochemical washing of parts. p. 62.
Sharovar, T. - Oil filtration during the running-in of the D-54 engine. p. 64.
Kel'bert, D. - Repairing containers of liquid fuels. p. 66.
Korol'kov, I. - Reconditioning bushings by a thermo-diffusion method. p. 67.
Levitskii, I. - Industrial methods of repair. p. 68.
TSyrin, A. - Symmetric wet cylinder sleeve of engines. p. 69.
Molchanov, D. - The M-24 magneto in the ZID-4,5 engine. p. 72.
Krachkovskii, M. - Milling with a lathe. p. 72.
Kiselev, I., Klushin, N. - Apparatus for repairing planter wheels. p. 74.
Ignat'ev, N. - Repairing pinion brackets of a turn gear. p. 75.
Babenko, A. - Standardizing gearboxes for the "Belarus' " tractors. p. 77.
Zhukov, N. - Apparatus for pressing out bushings p. 77.
Kulakov, M. - Repairing the body of a pump. p. 7
Trigubovich, A. - Hydraulic puller. p. 79.
Rysin, V. - Electric vulcanizer. p. 79.
Razumkov, D., Semenov, V. - Traffic regulations for tractors. p. 80.
Baigacheva, K. - Scientific conference in Minsk. p. 86.
List of articles published in the journal "Tekhnika sel'skom khoziaistve" for 1963. p. 89.

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVI OF AGRICULTURAL SCIENCE]. Issued by Ministe svto sel'skogo khoziaistva SSSR [Ministry of Agric ture of the U.S.S.R.]. Moscow, vol. 8, no. 12, De 1963.

Table of contents translated:

Cheremisinov, G.A. - Use fertilizers more efficien p. 1.
Popov, N.V. - Effect of urea on crop yields. p. 9.
Altunin, D.A. - Effect of various forms of potassiu fertilizers on the productivity of plants. p. 12.
Burakov, IA.N. - Fertilizers in green manure crop rotation with potatoes. p. 15.
Rubinshtein, A.IA. - Sapropel as fertilizer. p. 18.
Ezdakov, N.V. - Trace elements in swine feeding. p. 22.
Ter-Karapetian, M.A., Petrosian, V.A. - Using sul fur preparations for preserving mixed silage mad of beet tops and straw. p. 28.
Shiler, G.G. - Highly efficient methods of irrigation the Volga-Akhtuba Floodplain and the Volga Delta, p. 33.
Shaumian, V.A. - Ways of technological progress in irrigation farming. p. 42.
Moskal'tsov, P.P. - Cotton sprinkler irrigation in salinized soils of the Golodnaya Steppe. p. 52.
Rubin, B.A. - Plant physiology and some problems o plant growing. p. 57.
Kirichenko, F.G., Ovorchuk, V.I. - Effect of the selec tion of sugar beets based on the root system on th quality and quantity of the yield of progeny. p. 65.
Sokolov, B.P., Gonchar, I.D. - Characteristics of crossing parent forms of hybrid corn of various ripening time in breeding for northern areas. p. 7
Gontarovskii, V.A. - Breeding with self-pollinated co lines as universal regenerators of male fertility. p. 83.
Larin, I.V., Akimtseva, Z.S. - Bringing Solonetz soil their complexes and combinations with other soils under cultivation for forage crops. p. 87.
Rybakov, I.M. - Early sowing of double-purpose flax. p. 92.
Soboleva, T.I. - Possibility of crossing common toma with wild species using diploid and tetraploid plant p. 95.
Kabanov, V.D. - Relation of the intensity of growth and the thickness of the layer of subcutaneous fat with the consumption of feeds. p. 99.
Krasnov, V.S., and others. - Using fluorescent lamps in animal husbandry. p. 104.
Bronshtein, IA.L. - Examining the T-75 tractor as an object of the regulation of the automatic driving system. p. 109.
Gur'ianov, V.A. - Technical possibilities of automatic driving of tractor-driven machinery in trellised vineyards. p. 116.
Goberman, V.A., Sin'kov, G.I. - Problems of designing and calculating continuous lines. p. 120.
Khashes, TS.M. - Nature of the fluorescence of the growing cone of winter barley. p. 126.
Sakun, V.A. - Motion-picture photography of the motion of bulk grain entering a threshing machine. p. 129.
Raspevin, V.A. - Changes of tomatoes under the effect of gibberellin. p. 131.
Veniaminov, A.A. - Relation of feeding with the fineness of wool in sheep. p. 135.
Dzhumaev, O., Kosheleva, R. - Aid of scientists to the farmers of Turkmenistan. p. 137.
TSedik-Tomashevich, Z., Poliakov, A., Chember, B. - Information. p. 139.
List of articles published in the journal in 1963. p. 152.

ZA SOTSIALISTICHESKUIU SEL'SKOKHOZIAISTVENNUIU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE] Issued by Chekhoslovatskaia akademiia sel'skokhoziaistvennykh nauk [Czechoslovak Academy of Agricultural Sciences]. Prague, vol. 13, no. 1, 1964.

ZEMES UKIS [AGRICULTURE]. Issued by Lietuvos TSR Zemes ukio produktu gamybos ir paruosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.]. Vilnius, no. 5, May 1964. [In Lithuanian]

b. ANIMAL INDUSTRY

KONEVODSTVO I KONNYI SPORT [HORSE BREEDING AND EQUINE SPORTS]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.34(100), no.5, May 1964
(DNAL)

KROLIKOVODSTVO I ZVEROVODSTVO [RABBIT BREEDING AND FUR FARMING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.7, no.5, May 1964.
(DNAL)

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.10, nos.5-6, 1964.

PARAZITY SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH KAZAKHSTANA [PARASITES OF FARM ANIMALS OF KAZAKHSTAN]. Issued by Institut zoologii Akademii nauk Kazakhskoi SSR [Institute of Zoology of the Academy of Sciences of the Kazakh S.S.R.]. Alma-Ata, vol.3, 1963.

Table of contents translated:

- Boev, S.N., Sokolova, I.B. - Characteristics of the scolex Coenurus cerebralis from various ruminants. p.5.
- Logachev, E.D., Bondarova, V.I. - Fluorescence microscopic analysis of the provisional tissues of Coenurus. p.11.
- Bondarova, V.I., Moiseenko, K.G. - Detection of Coenurus gaigeri Hall, 1910, in sheep in Kazakhstan. p.15.
- Bondarova, V.I., Nurlybaeva, R. - Biology of the cestode Multiceps skrjabini Popov, 1937. p.19.
- Osipov, P.P. - Dynamics of the helminth infestation of sheep in Aktyubinsk Province. p.23.
- Karamendin, O.S. - Distribution of helminths and the dynamics of their infestation of cattle in eastern Kazakhstan. p.32.
- Karamendin, O.S. - Dictyocaulosis in cattle in East Kazakhstan Province. p.40.
- Shol', V.A. - Role of swine in the epizootiology and epidemiology of echinococcosis in Kazakhstan. p.50.
- Zakhriialov, IA.N. - Dynamics of the infestation of swine by the principal helminths in Alma-Ata Province. p.57.
- Shol', V.A. - Supplements to the list of helminths found in swine. p.72.
- Priadko, E.I., Vysokov, S.N., Frolov, V.N. - Epizootiology of Elaphostrongylus infestation of antlered deers. p.74.
- Belokobylenko, V.T. - Helminths of domestic waterfowl in southeastern and eastern Kazakhstan. p.80.
- Egizbaeva, Kh.I. - Dynamics of the helminths of domestic ducks on the Pavlodar State Farm. p.100.
- Dubitskii, A.M. - Individual unsusceptibility of cattle to Linognathus infestation. p.108.
- Dusembaev, E.B. - Biology of the tick Dermacentor marginatus Sulz. p.110.
- Dusembaev, E.B. - Wintering of the tick Dermacentor marginatus Sulz. on farm animals in Karaganda Province. p.114.
- Kuandykova, U.S. - Horseflies in the middle Ili River Valley. p.116.
- Istomina, L.P. - Horseflies in Semipalatinsk Province. p.121.
- Amirgaziev, K. - Horseflies in Gur'yev. p.125.
- Pak, S.M. - Trichomonads of hens and ducks in Alma-Ata Province. p.129.
- Peteshov, V.M. - Anaplasmosis in sheep in Kazakhstan. p.135.
- Aisanov, R.N. - Intestinal Protozoa of swine in the Virgin Territory. p.147.
- Levchenko, N.G. - Distribution of the sarcosporidiosis in sheep (Sarcocystis tenella Railliet) in southeastern Kazakhstan. p.154.
- Levchenko, N.G. - Harmfulness of Sarcocystis tenella Railliet, 1886. p.158.
- Gorbunova, A.I. - Ichthyophthiriasis in carp in the Alma-Ata fish farms. p.163.
- Novinskaia, V.F. - Studying toxoplasmosis in dogs in Alma-Ata. p.168.
- Kuzovkin, E.M. - Observing toxoplasmosis in swine. p.173.
- Levit, A.V., Vustina, U.D. - Toxoplasmosis in farm animals and poultry in eastern Kazakhstan according to the complement fixation reaction. p.181.
- Galuzo, I.G., Golosov, V.I., Gorbunova, Z.I. - Toxoplasmosis in ungulates (domestic and wild) in southern Kazakhstan. p.186.
- Galuzo, I.G., Golosov, V.I., Gorbunova, Z.I. - Toxoplasma gondii strain "ODG-2," isolated from sheep. p.198.
- Galuzo, I.G., Golosov, V.I., Gorbunova, Z.I. - Toxoplasma gondii strain "STG," isolated from saiga. p.199.
- Levit, A.V., Vustina, U.D. - Toxoplasmosis in silver and Arctic foxes in the Ural and Alma-Ata nurseries. p.200.

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO, VETERINARIIA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY, VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.9-11, May-June 1964.

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziaistvu pri SNKh SSSR [State Committee for Fisheries, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol.40, no.3, 1964.

Table of contents translated:

- Pavlov, E.G. - We must solve the task of creating and applying new techniques in the fishing industry in 1964-1965. p.3.
- From speeches at the Conference on the Performance of Model Fishing Vessels. p.8.
- Kozhin, N.I. - Abundance of herring in the Caspian Sea. p.12.
- Burmakin, E.V. - Commercial significance of acclimatization. p.14.
- Trusov, V.Z., Pashkin, L.M. - Optimal dosage and rational use of sperm during insemination of sturgeon eggs. p.16.
- Fedii, S.P. - Arsenic as an indicator of sanitary and hydrobiological conditions of the bodies of water in the steppe zone of the Ukraine. p.18.
- Matsegora, M.V. - Commercial fish farm in Sulin. p.20.
- Nikolaev, G.V. - Modern fish finding instruments. p.21.
- Losev, A.G. - Improvement made on the production and transport refrigerator ship "Kaliningrad." p.23.
- Korolev, L., Barkov, V. - Activation of reserves. p.29.
- [illegible], E.G. - Mechanized packing of ropes of dragnets used in goby fisheries. p.33.
- Chernyi, V.K., Kotenko, M.F. - Mechanized unit for the reception of fish from fishing vessels at sea. p.35.
- Vlek, L.G. - Production of preserved herring on the floating base "[illegible] Varen." p.37.
- Shalin, L.M., Unanov, A.Z. - Vibration conveyers for the orientation and transportation of fish. p.41.
- Sikalia, V.N. - Quality changes in muscle fibers of fish during hot smoking. p.49.
- Aristov, M.N., Shoroshkova, L.L. - Sterilization of fish cans in the stream of hot air. p.52.
- Kostenko, A.M., Popov, V.D., Kalinin, A.A. - Electrotechnical principles of the work of electric smoking unit in the Kiev Fish Combine. p.54.
- Akhaltsev, G.E., Samsel'ian, E.A. - Mechanization of moving wagons in smokehouses. p.61.
- Makarov, V.A. - Chemical composition and comparative evaluation of whale meat. p.63.
- [illegible], A.E. - Sorting machine for gobies constructed by the Azov-Black Sea Fishery Research Institute. p.66.
- Tsitaidze, L.E. - New types of canned fish and vegetable products with national Georgian sauces. p.69.
- Mogilevskii, L., Starshova, M. - Determination of the mechanization level of basic production in a fish processing plant. p.72.
- Galaktionov, I.F. - Comments on the V.N. Voinikanis-Mirskii's article "The type of engineer we need." p.76.
- [illegible], IU.B. - Profile of a mechanical engineer specialized in the fishing industry. p.78.
- Kas'ianov, A.N. - Fishing industry in Peru. p.79.
- Volkov, A. - Summary of the First Session of the Commission for Fisheries in the Northeastern Atlantic. p.84.
- Third Congress of the Scientific and Technical Society of the Food Industry. p.87.
- Consultations. p.89.
- Pekelis, L. - New periodical for navigators. p.89.
- Borishchev, V.V. - Remarks on the textbook by V.N. Voinikanis-Mirskii "Technology in commercial fisheries and the fishery of marine animals." p.90.
- New literature on the fishing industry. p.93.

VETERINARIIA [VETERINARY MEDICINE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.40, no.10, Oct. 1963.

Table of contents translated:

- Fall tasks of veterinary specialists. p.1.
- IAkimenko, A.IA., Shestakov, N.I. - Work of the Krasnodar Territory Veterinary and Sanitation Station. p.4.
- Kobtsev, P.F. - Ridding a poultry farm of tuberculosis. p.5.
- At the appeal of the Levokumskoye comrades. p.7.
- Bolko, A.A. - Infection focuses. p.9.
- Podshivalov, I.V. - Present-day tasks in the elimination of tuberculosis in animals and poultry. p.12.
- IUskovets, M.K., Tuzova, R.V. - Ways fo
  tion of tuberculosis in animals in Whit
  p.14.
- Kotov, V.T., Novak, D.D. - Methods of the
  of tuberculosis in cattle on the farms o
  Province. p.17.
- Shutskaia, E.I. - Epidemiological importa
  culosis in cattle. p.19.
- Sukachenkov, V.V. - Differentiation of sp
  nonspecific reactions to tuberculin. p.
- Tverdokhlebov, I.A. - Sensitization in c
  intracutaneous tuberculinization. p.24
- Abramov, I.P. - Allergic diagnosis of tu
  in camels. p.26.
- Airapetian, V.G., Khachatrian, A.B., Bol
  G.K. - Characteristics of the virus of
  grown in tissue cultures. p.29.
- Bedenashvili, G.G. - Using glycerinized c
  vaccine against hog cholera on farms ex
  infection. p.31.
- Karkadinovskaia, I.A. - Tuberculin reactio
  p.33.
- Prokof'eva, M.T., Gurova, E.I., TSimokh,
  Viral influenza in ducklings. p.33.
- Mashtakov, A.V. - Contraindications for the
  vaccine made by the Krasnodar Veterin
  tific Research Station against pasteurell
  fowl. p.36.
- Mostyko, G.S. - Characteristics of pododer
  cattle. p.37
- Voskoboinikov, V.M. - Using the cesarean
  p.39.
- Alekseev, P.A. - Ovariectomy in cows. p.
- Golikov, A.N., Shitov, S.T. - Novocaine
  of craniocervical sympathetic ganglion
  eye diseases. p.43.
- Rychkov, I.F. - Treating edema in young
- Kotlov, M.F., Fedoskin, F.E. - Mass poi
  swine by Johnson grass." p.45.
- Nekliudov, V.P., Rud', I.A. - Ditilin in the
  of swine. p.46.
- Balakchian, A.B., Akopian, R.A., Arevshat
  Therapeutic effectiveness of monomycin
  lamb diseases. p.47.
- Koroleva, V.P., Akulova, V.P. - Effective
  biotics against ringworm in cattle. p.48
- Golovatyi, G.M. - Forage biomycin in treat
  tious gastroenterocolitis in swine. p.49
- Strashko, P.F. - Tetracycline in treating sw
  sipelas. p.50.
- Turushev, V.A. - Bottle-type fermentation
  for the preparation of antibiotics. p.51.
- Dedash, V.G. - Urgent tasks of veterinary
  in the meat industry. p.52.
- Kurmanov, I.A. - Fusariotoxicosis of farm
  p.55.
- Frolov, B.A. - Effective means for the cont
  chicken mites. p.58.
- Gubarev, V.N. - Mechanization of the disin
  railroad cars. p.61.
- Goncharov, I.E., Misko, I.I., Gorodovich,
  Sprayer with a handpump. p.62.
- Ermolaev, B.B. - Clinical hematological dia
  leukemia in cattle. p.63.
- Simonian, G.A. - Diagnosis of leukemia in c
  p.65.
- Shaburov, M.S. - Studying Abyssinian vaccin
  of African horse sickness. p.68.
- Ivanovskii, E.V., Nazarov, V.P. - Virus va
  against African horse sickness. p.70.
- Kouba, Vaclav, Solov'ev, N.V. - In the people
  racies. p.73.
- Gritseniuk, N., Alikaev, V.A. - Veterinary m
  abroad. p.77.
- Book reviews and bibliography. p.83.
- Information and brief news. p.87.

(DNAL)

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKI
TUT ZHIVOTNOGO SYR'IA I PUSHNINY. Tr
[ALL-UNION SCIENTIFIC RESEARCH INSTI
ANIMAL RAW PRODUCTS AND FURS. Tran
Moscow, no.10, 1962.

ZHIVOTNOVODSTVO [ANIMAL HUSBANDRY].
Ministerstvo sel'skogo khoziaistva SSSR [Mi
Agriculture of the U.S.S.R.]. Moscow, vol,
Jan. 1961.

Table of contents translated:

- Basic work in the first quarter. p.3.
- Bogdanov, B.N. - It's not enough to know adv
  methods, you should introduce them into pr
  p.6.
- Savvinov, E.G. - In the vicinity of the diamon
  p.11.
- Dushkin, A.I. - Specialization of animal husb
  in a flax growing district. p.15.
- Sedov, I.V. - Meadow improving stations imp
  feed supply too. p.17.
- Matskevich, V.P. - Reclamation of floodland
  a major resource. p.19.
- Nenarokov, M.I. - Speeding up the meadow fo
  on floodlands and ravine bottoms in the Che
  steppe zone. p.22.

Berzins, J. - Nutritional value of mixed feeds enriched with trace elements. p. 25.
Filippov, A. N. - Unutilized possibilities of mixed feed mills. p. 28.
Gorbunova, A. V. - Protein-rich feed mixtures. p. 29.
Andrianov, I. M. - Measures for increasing the weight gain of swine. p. 30.
Koval'skii, V. V. - Fundamental problems of biochemistry in animal husbandy. p. 32.
Azimov, G. I., Orlov, A. F., Belugina, O. P. - Milk secretion and its regularities. p. 40.
Kramarenko, N. M. - Group maintenance of herd bulls in outdoor runs. p. 49.
Klichkov, A. D. - Pasturing bulls with a load on the nose ring. p. 56.
Kopyl'nikov, M. IA., Bronfman, L. I., Polonskii, L. S. - New method of feeding milk to calves. p. 57.
Soldatova, E. I. - Raising young Alatau breeding cattle under various keeping conditions. p. 60.
Popova, M. A. - Effectiveness of the use of various quantities of urea for young cattle. p. 64.
Smekalov, N. A. - Fat and fatlike substances in mixed feeds for calves. p. 66.
Tikhonin, I. IA., and others. - Modern methods of dehorning young and adult cattle. p. 69.
Velitok, I. G. - Tested method of dehorning calves. p. 71.
Ruzskii, S. A. - Judging of cows by the milk yield based on various numbers of lactation periods. p. 72.
Bychkov, N. P. - Productivity of inbred and outbred cows on the "Gorki 2" State Farm. p. 79.
IAvorskii, A. A. - Using tractors with pull-type machines on dairy farms. p. 84.
Stepanov, D. G. - Raising dam-suckled calves on some livestock farms in Great Britain. p. 91.
Consultations. p. 93.
Petrov, N. I. - Book reviews and bibliography. p. 94.
(DNAL)

Vol. 23, no. 4, Apr. 1961.
Table of contents translated:
Increase the role of zootechnicians in the sharp upswing of animal husbandry. p. 3.
Lysenko, T. D. - Sharp increase in the butterfat content of milk in collective and state farm herds. p. 6.
Popovich, I. D., Chernysh, M. K. - Green fallows in Polesye. p. 9.
Gil', A. R. - Green fallows in Irkutsk Province. p. 14.
Gitan'ko, G. A. - Possibilities of growing potatoes as a stubble crop. p. 15.
Borodkin, I. S. - Field pea as a forage crop. p. 18.
Bolotov, K. D. - Forage lupine as a green forage plant. p. 21.
Fedorovskii, M. T. - Perennial grasses for forage crop rotations in the northern and central steppe of the Ukraine. p. 23.
Nasibov, G. G. - Forage cabbage in Azerbaijan. p. 25.
Osnovin, P. - "Tysiachegolovaia," a valuable forage cabbage variety. p. 26.
Utkel'baev, N. B. - Specialization of animal husbandry on state cotton farms. p. 27.
Strukalin, M. I. - Introduction of economic accountability on collective livestock farms. p. 29.
Gostev, A. E. - Provide the state with high-quality wool. p. 31.
Didkovskii, S. P. - Loose keeping of cattle on a collective farm. p. 34.
Mazur, A. - First steps of a collective farm specialized in cattle fattening. p. 36.
Rostovtsev, N. F. - Raising uncastrated young bulls for meat. p. 38.
Mukhin, M. V. - Fattening young bulls without castration on the "Gomontovo" State Farm in Leningrad Province. p. 43.
Popekhina, P. S. - Effect of azotobacterin in growing and fattening swine. p. 43.
Arkhiereev, M. F. - Crossbreeding of sheep in Kazakhstan as exemplified by State Farm No. 500. p. 47.
Lunichkin, IA. IA. - Breeding work with Simmenthal cattle in the zone covered by the Bolkhov State Breeding Station. p. 57.
Longinov, N. V. - Colored tags for livestock. p. 60.
Borovikov, K. A. - Successes in the use of pregnant mares' serum in controlling sterility. p. 61.
Rastorguev, P. A. - Using forage yeast as partial substitution for milk in raising calves. p. 62.
Petropavlovskii, V. V. - Field laboratory for artificial insemination. p. 65.
Pakenas, P. I. - Mobile shed for artificial insemination of cows in the pasture. p. 67.
Sidor, V. I. - Technique and practice of artificial insemination without the use of a vaginal speculum and alcohol. p. 68.
Sergeev, B. N., Nazarevskii, P. P. - The PZG-2 pastemaking machine. p. 70.
Berezin, M. S. - Mechanization of the transportation and baling of wool at sheepshearing stations. p. 71.
Abuev, M. Sh. - Bath with a tilting platform for sheep dipping. p. 73.
Vukolov, A. A. - Polyethylene pipelines on livestock farms. p. 75.
Nevzorov, G. A. - Glorious work of the zootechnician Mariia Dudchenko. p. 78.
Molev, E., Kravchuk, N. S., IAnovich, G. I. - Consultations. p. 82.
Oshchichenko, V. T., and others. - Responses to our articles. p. 84.
Ermekov, M. - Anniversaries. p. 88.
Baryshnikov, P. A., Tarshis, M. G. - Pages from the history of Russian zootechny. p. 90.
Kushner, Kh. F. - Book reviews and bibliography. p. 93.
(DNAL)

c. FORESTRY

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. No. 30, 1961.

No. 44, 1963. Stroitel'stvo i ekspluatatsiia lesovoznykh dorog [Construction and use of logging roads].
Table of contents translated:
Smirnov, D. N. - Distribution of strains in the foundation under pressure under the effect of a temporary load. p. 3.
Kishinskii, M. I. - Development of the construction methods of winter logging roads. p. 12.
Plaksa, L. N. - Calculating the thermal effect on snow cover. p. 19.
Kovalevskii, V. M. - Laboratory studies of the vibration packing of snow. p. 30.
Mal'tsev, G. P. - Effect of the state of the track paving of logging roads on the strain in the couplings of a truck train. p. 37.
Mal'tsev, G. P. - Effect of the design parameters of couplings on the power interaction of logging motortrucks with trailers. p. 42.

No. 45, 1963. Voprosy ekonomiki i organizatsii proizvodstva [Problems of economics and production organization].
Table of contents translated:
Shinev, I. S., Nakhmanovich, M. B. - Economics and organization of combined lumbering enterprises. p. 3.
Burdin, N. A. - Structure of capital assets in lumbering enterprises and tendencies to change it. p. 116.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 39, no. 3, Mar. 1961.
Table of contents translated:
On the eve of the third year of the seven-year plan for lumber floating. p. 1.
Greeting the 22d Congress of the CPSU with suitable achievements. p. 3.
Volodenkov, F. I., Braines, B. IA. - Advantages of the new floating method. p. 4.
Zotov, N. V. - Mechanization of the preliminary floating in the Kama Basin. p. 5.
Mosevich, P. I., Singalevich, M. S. - Machine for bundle breaking. p. 7.
Rassudov, B. A. - Tractors for dumping lumber into the water. p. 10.
Kuznetsov, D. V. - Recent development in the mechanization of dumping lumber into the water. p. 11.
Ryntsyn, V. - Loading lumber from the water to a ship. p. 14.
Laiko, M., Gavrilov, I. - Green light for reinforced concrete road surfacings. p. 17.
Knize, A. A. - Road construction and the comprehensive exploitation of forests. p. 18.
Chikov, IA. I. - What machines are needed in logging? p. 19.
Aksenov, P., Saltykov, M., Prokhorov, I. - Combined parallel and segment sawing of logs. p. 21.
Fogel', D., Makhnovetskii, S. - Economic bases for the comprehensive exploitation of forests. p. 24.
Bilaniuk, P. - Biological drying of lumber in the Neya Logging Camp. p. 26.
Buklaev, I. - More about rafts without driving units. p. 27.
Shalnev, S. A., Pervukhin, A. G. - From foreign practices in the stabilization of road surfacings. p. 28.
Rewards for the designers of new machinery. pp. 32, 3 of cover.
Items from technical journals. p. 2 of insert.

Vol. 39, no. 4, Apr. 1961.
Table of contents translated:
A year's work in the new way. p. 1.
Orlov, S. F. - Problems of using [illegible] logging operations. p. 3.
Moshonkin, N. - Introduction of multipurpose machinery in the most progressive way. p. [illegible]
Kanev, N. F. - Machinery for forest [illegible] p. 8.
Zakharov, A. N. - Loop binding [illegible] landings. p. 10.
Bel'mach, M. I. - Using chain [illegible] automatic bucking of tiers. p. 13.
TSibizov, V. S., Zav'ialov, M. A. - [illegible] loading and unloading operations. p. 14.
Belozkurskii, G. N., [illegible], V. S. - [illegible] the technical level of sawmilling and [illegible] industries. p. 17.
Khandan, S. M. - Modernizing the [illegible] of log frame saws. p. 19.
Tregubenko, G. P., Volubuev, A. D. - [illegible] logs. p. 21.
Barskii, A. A. - Some problems of [illegible] tion in enterprises. p. 22.
Udilov, V. I., Sotomotin, I. I. - Voluntary [illegible] Offices. p. 24.
Gulisashvili, B. G., [illegible] - Designing roads for lumber transportation [illegible] mountains. p. 26.
Vorontsova, K. I. - In the lumbering [illegible] U.S.A. p. 26.
Nikolaev, L. - "Flying automobile." p. [illegible]
Technical information. p. 31.
Lopukhov, E. I. - "Forest products" [illegible] 14. Laptrov-Shablo. p. 32.
Bulteev, K. P., Kirova, S. M. - "Technical [illegible] woodworking industries" by G. D. [illegible], Kulikov, and S. V. Rodionov. [illegible]
Items from technical journals. p. 2 of insert.

Vol. 40, no. 2, Feb. 1962.
Table of contents translated:
Dikovskii, A. S., Medvedev, E. A. - Utilize [illegible] sources and fulfill the plan. p. 1.
Vorontsov, K. I. - Possibilities of the [illegible] dustry. p. 4.
Petrovskaia, M. N. - Raise the technical standards of sawmilling. p. 9.
Orlov, S. F. - Make way for advanced [illegible] p. 11.
Zaikin, V. P., Titov, V. P., [illegible] - Cutter head of the "Druzhba" gasoline [illegible] saw. p. 12.
Kalnins, A. I. - For complete utilization [illegible] lumber. p. 13.
Baryshnikov, A. I. - Increase the output of [illegible] trially useful lumber. p. 14.
Papkov, G. - Labor protection [illegible] p. 16.
Fishkina, F. L. - Competitive sawing [illegible] for construction elements. p. 17.
Kolomins, G. A. - Lift linkage system of the [illegible] skidding tractor. p. 18.
Drozdov, M. I. - Sawing apparatus. p. 19.
Korskaia, E. - Devices for [illegible] p. 20.
Zakharov, T. Z., Berezin, V. P. - [illegible] opments in the construction of roads. p. 22.
Galantsev, D. V. - Road surfacing made of ceramsite concrete. p. 24.
Dmitrovskii, S. M. - A single [illegible] Eastern Siberia. p. 26.
Udilov, V. - Closer to production. p. 26.
Strelin, K. - What machine designers are working on. p. 27.
Kiliakov, A., Lats, A. - Automation and electric equipment. p. 27.
Bezuglov, I. A. - What does the experience suggest. p. 28.
Pankratov, R. - Our plans. p. 29.
P. V. - In mountain forests of Austria. p. 30.
Power saws of new design. p. 30.
Suggestions of innovators which were rewarded. p. 31.
Items from technical journals. p. 2 of insert.
New gang saw of the "Severnyi Kommunar" Plant. p. 3 of cover.

Vol. 42, no. 4, Apr. 1964.
Table of contents translated:
Kozhanov, D. I. - Hand lever-chain winches. p. 2 of cover.
New mass-production of sawmill equipment. p. 2 of cover.
Put the advanced and progressive into practice! p. 1.
IAshchenko, A. V. - From the practices in building roads with reinforced concrete slabs. p. 2.
Siundiukov, Kh. Kh. - Slab layer in operation. p. 4.
Kavskii, N. N. - Water builds roads. p. 5.
Samokhvalov, A. N. - Stages of work to be completed in construction. p. 6.
Lavrov, L. K., and others. - Improving the designing and planning work in the woodworking industry. p. 7.

Poliakov, B. - What the people of the Far East say. p.8.
Frank, A., Fateev, P. - Designing and planning work should be concentrated in one organization. p.8.
Shmurin, N. - Opinion of a production man. p.9.
Mat'iaev, A. - Why low labor productivity? p.9.
Zimin, S.N., Sharov, V.G., Akulov, A.Z. - Planning the reconstruction of the landings in the Ilkort Logging Camp. p.10.
Pechenkin, V.E., Kuduchigov, D.I., Kirkin, S.F. - Device for feeding trees into limbing machines. p.13.
More activity. p.15.
Lobzhanidze, S. - Free floating drive in the Far East. p.16.
Filimonov, S.S. - Reliable means for reducing the sinking of coniferous small timber. p.17.
Medovaia, A., Medvedev, I. - Regulating water feeding to a log washer. p.18.
Falaleev, E.N. - Scale for efficient sorting of logs. p.19.
Baldumakov, V.M. - Take care of tackle. p.19.
Shilkov, N. - Material incentives in wages for repair workers. p.20.
Kuloskov, V.N. - Timber handling by the [illegible] machine. p.21.
Kozhin, V.M. - Economic effectiveness of wood processing. p.22.
Korhulot, S., Kinlyi, V. - Where is the concern for the utilization of waste? p.24.
Novzorov, N.V. - Organizing raw material supply for chemical processing of wood. p.26.
Ranevskii, M. - Development of the lumbering industry in the Far East. p.29.
Berlakov, S.A. - It is important to disseminate advanced practices. p.29.
Mudlanov, V. - Helping production. p.29.
From foreign journals. p.30.
Korobov, N.IA. - Against the clearing of cutovers by burning. p.32.

Vol.43, no.5, May 1964.
Table of contents translated:
Lasis, A. - Latvian readers about our journal. p.2 of cover.
Papkov, G.G. - Laboratory as an assistant to the enterprise. p.2 of cover.
Romanovskii, M.A., Zharov, V.I. - Telephone with a loudspeaker attachment. p.2 of cover.
Vasil'ev, B.A. - Successes and failures of automation at landings. p.1.
Flovskikh, V.V., Pogrebnoi, A.D. - New apparatus for the measurement of length. p.2.
Mel'nikhin, N.V., Kononenko, M.D. - Support of the turn of a suspended cableway. p.4.
Gal'tberg, A.M., Gallamidzev, V.A., Drake, A.D. - Traveling system of the TDT-40 tractor. p.6.
Ushnanov, A.A. - At the Leningrad lumber port. p.8.
Berezhnov, B.S. - Mechanization of lumber drying. p.10.
Podbovets, B.D. - New transit rafts on the Kama River. p.13.
Fedorov, V. - Shuttle method in the forests of Karelia. p.14.
Bobuchaev, V.V. - Pulley balance. p.16.
Aleshin, A.F. - Centralize repairs at a logging camp. p.18.
Balashov, B.I. - Single-beam floating boom. p.19.
Zatesnyi, N.M. - Logging camps of [illegible] as enterprises of the overall processing of wood. p.20.
International colloquy on the study of wood. p.21.
Shchiglovskii, B.M., Loginov, T.I., Sadogurskii, F.E. - Establish All-Union planning associations. p.22.
Korzhentsev, N.I., Myznikov, M.A. - Unite planning and research work. p.23.
Melekhov, B.I. - Siberia needs a complex of institutes. p.24.
Pavlenko, T.A. - Industrialization of construction. p.24
Shakirov, R.A. - Reinforced concrete foundations for houses in the forest. p.25.
World woodpulp production in 1962. p.26.
Ippolitov, K.A. - Material incentives in lumbering enterprises. p.27.
Pimenov, A.N., and others. - A useful reference book on lumber floating. p.29.
Rozen, L.V. - Economic manager of forest wealth. p.30.
Gofman, A.I., Bording, A.I. - A Textbook on hoisting and conveying machines. p.32.
Sorting machine. p.3 of cover.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol.17, no.1, Jan.1964.
Table of contents translated:
Rubtsov, V.I. - Further raising of the technological level of forestry. p.3.
Belov, S.V. - Estimating the hygienic role of forests. p.6.
Chibisov, A.I. - Estimating the viability of a young spruce growth. p.14.
Vraslov, I.V. - Natural regeneration and the methods of cutting beech and fir in the Adler Forest Working Circle. p.16.
Rubtsov, V.G. - Planning and performing forest drainage operations. p.19.
Bostovtsev, S.A. - Cellulose content and the length of fibers of the wood of willows. p.22.
Perepechin, B.M. - Make fuller use of forest resources. p.23.
Sheltaya, S.G. - Planning secondary forest management operations. p.27.
Gerianskii, V.IA. - Accuracy of forest management operations. p.30.
Antanaitis, V. - Using the indices of current annual increment in forest management. p.33.
Lugovykh, P.V. - From practices in the establishment of forest plantations in Sverdlovsk Province. p.35.
Kurbanov, V.I. - Characteristics of growing pine in the north. p.39.
Natalov, N.M. - Role of birch in pine plantations. p.41.
Stepanets, I.T. - Root systems of the tree species in dark chestnut soils of western Kazakhstan. p.44.
Pavlenko, F.A. - Cultivation practices in growing black alder seedlings. p.46.
Kotelko, V.V. - Walnut in the Amu-Kutan basin. p.48.
Sorokin, G.V. - Determining the fire danger in the Tinkovskii Logging Camp. p.49.
Efimova, L.P. - Ash pests in Veliko-Anadol' and measures for their control. p.52.
Kandaurov, L.A. - Regulation for controlling pests feeding on plant roots. p.54.
Ruslanbaev, G.T., Tikhonov, A.S. - Economic effectiveness of gradual cuttings in hardwood-spruce stands. p.55.
Moshkalev, L.M. - Methods of calculating overall output norms. p.58.
Baltsygalova, V.A. - The [illegible] forest [illegible]. p.62.
Krymov, A.M., Shil'nikov, N.G., Zevakhin, L.G. - Some shortcomings in the design of new forest management machines and equipment. p.64.
Naumenko, A.M., Bobkov, A.P. - Advantages of skidding lumber by tops. p.67.
Pavlova, V. - Technology of forest cutting operations in the Gorno-Altai Experimental Logging Camp. p.71.
Raise the work of the Scientific Technological Department to the level of new tasks. p.74.
Nesterenko, A.V. - Foresters of the Ukraine discuss the problems of increasing forest productivity. p.79.
Gorbachev, M. - Friendly encounters in the forests of the Moscow region. p.80.
International seminar of specialists in forest management. p.81.
Frolov, M.I. - Well-deserved reward. p.82.
Golovashkin, V.N. - Forester Eduard Ignat'evich [illegible]. p.85.
[illegible], P. - Our consultations. p.86.
Textbooks and manuals in the new year. p.90.
Our calendar. p.91.

Vol.17, no.4, Apr. 1964.
Table of contents translated:
Melekhov, I.S. - State of forest fire prevention and ways for its improvement. p.3.
Kurennoi, B.T. - Most important tasks of forest fire prevention in the R.S.F.S.R. p.5.
Put all your strength in the control of forest fires. p.11.
Maksimov, A.A. - Effect of mineral fertilizers on the growth of oak. p.17.
Tarbin, A.S., Nabatov, N.M. - Gradual cuttings in birch forests. p.21.
Romanovskii, V.I. - Evergreen oak. p.24.
Prokopenko, P.M., Ostapenko, A.P. - Utilize rationally the natural wealth of mountain forests in the Crimea. p.25.
Syrtsev, A.G. - Relationship between the needle bulk and the current annual increment of Siberian larch. p.28.
Vagin, A.V., Kharin, O.A. - Valuation indices of young growth. p.30.
Makarenko, F.P. - Growth and marketability of seeded oak plantations. p.34.
Preobrazhenskii, A.V. - Artificial regeneration of valuable species by using large seedlings without tillage and care of soil. p.39.
Lisogor'kii, G.L. - Spruce plantations in clearcut areas. p.43.

Sadovnichii, F.P. - Effectiveness of pine p
as related to the width of interrows. p
Adil'bekov, R.A. - Tolerated deviations fr
bedding depth of seed. p.46.
Terekhov, F.I. - Scientific research work
grad Scientific Research Institute of Fo
lumbering on forest fires. p.48.
Kurbatskii, N.P. - Pay more attention to t
tection of forests in Siberia. p.51.
Charkina, A.P. - Lupinus polyphyllus bet
prevention means. p.54.
Avramenko, I.D., Zenchenko, V.S. - Forec
large-scale multiplication of harmful in
1964. p.58.
Shilatov, V.K. - New timber taxes and mea
lems of payment by the stump. p.62.
Bartov, V.F. - Ways for improving the calc
distribution of differential income in for
p.66.
Mamedov, N.M. - Fire control towers wit
lifts. p.71.
Shevlin, I.I. - The ROB knapsack tank spr
Pikalkin, V.M., Nikol'skii, E.P. - Dirigibl
forestry. p.73.
Shvetsov, V.I., and others. - Economic as
establishment of forest plantations. p.7
Kondrashenko, V.E. - Organic-mineral supple
pine seedlings in nurseries. p.78.
Ilkin, A.IA. - Letters to the editor. p.81.
Troshanin, P.G., Savel'ev, A. - Book revie
bibliography. p.84.
Bochkarev, M.M. - A 15-day visit to the fo
Finland. p.87.
Kashin, V.V., Eremin, N.V., Ioshkin, V.I. -
news. p.96.

Vol.17, no.5, May 1964.
Table of contents translated:
Spirin, M.A. - School of advanced practice
Samgin, P.A., Shutov, I.V. - Testing new
herbicides. p.5.
Shelugina, A.S. - Dynamics of the develop
Siberian pine-hardwood forests in the Fa
p.7.
Kolomenko, M.A. - Regeneration of black a
the Ukrainian Polesye. p.10.
Popov, A.A. - Increasing the productivity o
swampy larch forests in the Amur Valley
Zakharov, V.K. - Normal stem form facto
Fedorinov, A.S. - Variation of valuation i
in circular areas. p.19.
Maltsevskii, A.V. - Including permanent an
in the section method. p.21.
Zubarev, V.M. - Organizing the managemen
principal yield cuttings in Siberian pine f
p.23.
Kovalev, I.G., Ereeva, R.P. - Effect of p
mixed pine plantations on the fertility of
loamy soils. p.26.
Maramov, A.A. - Coniferous plantations in t
northern Central Urals. p.31.
Lisenkov, A.F. - Treating forest seeds wit
before sowing. p.33.
Ogievskii, V.V. - When to consider a planta
full-value stand? p.36.
Romanovskii, V.P. - Improving the forest a
production work at the forest working cir
in White Russia. p.37.
Korolkov, D.P., Dvoin, G.D. - Planting gl
[illegible] in dry pine forests
Artsybashev, E.S. - Detecting forest fires b
of television. p.41.
Monakin, V.N. - Determining the forest fire
periods in Tyumen' Province. p.43.
Obozov, A. - Control of forest pests in the
Territory. p.44.
Gorlacheva, V.I. - Chemical protection of p
secondary pests in the forests of [illegible]
p.45.
Lobovikov, T.S. - Production of forestry an
compensation of expenditures. p.50.
Trubnikov, M.M., Lazarev, A.S. - Problem
price formation and planning in a multiple
forestry production. p.54.
Poluparaev, IU.I. - Determining the traction
tance of plows. p.58.
Samartsev, A.IA. - Highcapacity mechaniz
improvement cutting. p.61.
Barlenev, V.D., Seregin, N.F. - Transplan
nurseries. p.64.
Fomin, A.S. - Using the LKA-2 trencher a
D-20 grader in the construction of drainag
systems. p.65.
Jonaitis, S. - Apparatus for the manufacture
lies. p.67.
Efficiency promoters exchange their experien
p.69.
Poliakova, A.I., and others. - Brief informa
p.72.
Repalenko, I.G., and others. - Exchange of
perience. p.76.
Litvinenko, V.I., Nemkov, A.V., Bykov, B.
Criticism and book reviews. p.87.

[illegible], A.V., [illegible], S.P., Prokazin, E.P. - From abroad. p.90.

[illegible], A. - Brief news. p.94.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsoiuza rabochikh lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol.8, no.6, June 1964.

REFERATIVNYI ZHURNAL: LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS: FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

TASHKENT. SREDNEAZIATSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESNOGO KHOZIAISTVA. Trudy [CENTRAL ASIATIC SCIENTIFIC RESEARCH INSTITUTE OF FORESTRY. Transactions]. No.3, 1958; no.8, 1962.
(DNAL)

d. PLANT CULTURE

BAKU. AZERBAIDZHANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SADOVODSTVA, VINOGRADARSTVA I SUBTROPICHESKIKH KUL'TUR. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF HORTICULTURE, VITICULTURE, AND SUBTROPICAL CROPS. Transactions]. no.4, 1961; no.6, 1962.
(DNAL)

EESTI MAAVILJELUSE JA MAAPARANDUSE TEADUSLIKU UURIMISE INSTITUUT. Teaduslike toode kogumik. Sbornik nauchnykh trudov Estonskogo nauchno-issledovatel'skogo instituta zemledeliia i melioratsii [ESTONIAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE AND RECLAMATION. Papers]. Saku, no.2, 1963.

KHLOPKOVODSTVO [COTTON GROWING]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.14, no.5, May 1964.
(DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.8(25), no.5, 1964.
(DNAL)

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF GRAIN AND GRAIN PRODUCTS. Transactions]. No.42, 1963. Problemy separirovaniia zerna i drugikh sypuchikh materialov; trudy nauchnoi konferentsii 21-23 noiabria 1961 g. [Problems of separating grain and other loose materials; transactions of the scientific conference, November 21-23, 1961].

Table of contents translated:

Zhelezniak, E.A. - Introduction. p.3.

Leikin, IA.I. - Fundamentals of the classification of screening machines. p.7.

Gortinskii, V.V. - Laminar flow of ground grain products during separation on flat sifters. p.19.

Zhuravlev, A.N. - Theoretical principles underlying the laminar flow of loose material over sifters and vibrating surfaces. p.29.

Nepomniashchii, E.A. - Applying the theory of random processes to the determination of regularities in the separation of loose mixtures. p.47.

Petrusov, A.I. - High-speed vibration method for processing grain. p.57.

Zaika, P.M. - Theory and calculations of a vibrating screen for sorting seeds and other loose materials. p.63.

Voltk, R.N. - Some theoretical problems of the effect of vertical vibrations on a layer of grain and experimental investigations. p.77.

Rassadin, A.A. - Motion of a material point and body over rotating frictional and cellular surfaces. p.91.

Zhuravlev, A.N. - Theory of a conic vibrating centrifugal sorting machine. p.109.

Goncharevich, I.F. - Studying the regularities of vibration and vibration-pneumatic conveying of bulk loads. p.119.

Listopad, G.E. - Theoretical principles underlying the vibration separation of grain mixtures. p.133.

Leont'ev, P.I. - Investigating the performance of a vibrating sifter during the separation of small seeds. p.145.

Ul'ianov, A.F., Bochkarev, A.I., Kulakov, G.F. - Vibration centrifuging of grain. p.153.

Olofinskii, N.F. - Electric separation of grain mixtures. p.167.

TSetsinovskii, V.M. - Elements of the theory of sizing seed corn by means of shaped sifters. p.177.

Taran, A.I. - Effect of the direction of the oscillations of flat screens on the efficiency of screening. p.189.

Basov, A.M., Shmigel', V.N. - Grain layer in an electrostatic field on a vibrating surface (screen) and the "orientation criterion." p.203.

Vainberg, A.A., Kotliar, L.I. - Principle of the action and results of investigating an experimental specimen of the grain cleaning part of a separator. p.213.

Liubimov, A.I. - Some methods for increasing the efficiency of grain screens. p.231.

Slepov, A.P. - Studying the process of separating grain mixtures by a centrifuge. p.239.

Viktorova, N.N., Ivlieva, N.M., Kubyshev, V.A. - Effect of the parameters of a cylinder cleaner on the effectiveness of its performance. p.245.

Viktorova, N.N., Ivlieva, N.M., Kubyshev, V.A. - Basic regularities of the working process of a cylinder cleaner. p.255.

Evdokimov, V.F. - Investigating the operation of a cylinder cleaner with axial oscillations. p.265.

Drogalin, K.V. - Effect of the movement of air through an oscillating sifter on the state of the "bed" of grain or its ground products. p.279.

Fedotov, N.G. - Using pneumatic conveying in sorting mixtures of grain particles ground with the break systems No.1 and No.2. p.295.

Stepanov, L.P. - Calculating inclined flat vibrating screens. p.311.

Perov, V.A. - Results of investigating the process of vibration screening in grain dressing. p.319.

Krechetova, M.V. - Studying the working process on the SSP-1,5 pneumatic sorting table. p.327.

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.9-11, May-June 1964.

SADOVODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.102, no.5, May 1964.
(DNAL)

SAKHARNAIA SVEKLA [SUGAR BEETS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.9, no.5, May 1964.
(DNAL)

SELEKTSIIA I SEMENOVODSTVO [PLANT BREEDING AND SEED PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.29, no.3, May-June 1964.

TRUDY PO PRIKLADNOI BOTANIKE, GENETIKE I SELEKTSII [PAPERS ON APPLIED BOTANY, GENETICS, AND PLANT BREEDING]. Issued by Vsesoiuznyi institut rastenievodstva [All-Union Institute of Plant Culture]. Leningrad, vol.33, no.2, 1963.

Table of contents translated:

Sizov, I.A. - Using the world plant resources in breeding. p.3.

Razumov, V.I., and others. - Physiology of crop plants; problems of the Laboratory of Plant Physiology at the All-Union Institute of Plant Growing. p.10.

Zarubailo, T.IA. - Plant genetics. p.32.

Ermakov, A.I. - Biochemical research on cultivated plants at the All-Union Institute of Plant Growing. p.63.

Chesnokov, P.G. - Disease and pest resistance of farm crops. p.95.

IAkovlev, N.N. - Research in agricultural meteorology. p.119.

Shevchuk, T.N. - Plant introduction in the postwar period and its immediate prospects. p.131.

IAkubtsiner, M.M. - World wheat varieties and their use for breeding. p.142.

Sidorov, F.F. - Main results of the work of the Corn Department. p.161.

Bukasov, S.M. - Natural occurrence of wild potato species used as initial material for breeding. p.172.

Sinskaia, E.N. - Results of the work with grasses at the Forage Department of the All-Union Institute of Plant Growing. p.183.

Pavlova, N.M. - Research on fruit and berry crops in 1959-1960. p.196.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZN
[PROTECTING PLANTS AGAINST DISEASES AND
PESTS]. Issued by Ministerstvo sel'skogo khoziai
SSSR [Ministry of Agriculture of the U.S.S.R.]. M
cow, vol.9, no.4, 1964.

Table of contents translated:

Important means for the intensification of product
p.1.

Bondarenko, M.M., Glazkov, P.N. - Chemical we
control in Kazakhstan. p.3.

Seleznev, A.A. - On the Novorybinskiy State Farm
p.4.

Solov'ev, P.A. - Make better use of machinery. p

Skliarevskii, M.A., Bagrianets, A.P. - Hexachlor
suspensions for controlling wireworms. p.6.

Kharitonov, IA.N. - Initiative of the Gorkiy student
p.9.

Arinsov, I., Bespalova, Z. - Controlling the shield
Eurygaster integriceps. p.10.

IU.N. - In Vologda Province. p.11.

Mikhailov, K.G. - Mass study in agricultural chemi
try. p.12.

Defenders of the "soldier's honor." p.12.

Zambin, I.M. - Using herbicides along with insecticides for spring wheat. p.13.

Arutiunova, E.V. - Granulated fertilizers combined with insecticides for corn. p.14.

Smirnov, B.M., Enenko, I.I. - Controlling offset we
p.16.

Lysenko, A.K. - Herbicides on irrigated lands. p.1

Podoprigora, V.S., Borodina, T.R. - Air-borne spra
ing of herbicides before sowing. p.19.

Kornilova, V.N. - Additional spraying in vineyards,
p.19.

Muminov, A. - Controlling the cutworm Agrotis sege
tum in cotton fields. p.21.

Klimova, N.V. - Chemistry in the cleaning of land improvement canals. p.22.

Lebedik, A.I. - From work practices of V. Svetlichn
team. p.24.

Sechenov, E.M. - Without expenditure of manual labo
p.27.

Terent'eva, M.I. - Weed control in sugar beet fields.
p.28.

Samikov, G.P. - Using arboricides in early spring
shrub control. p.29.

Gromovaia, E.F., Smirnova, I.M. - Controlling apple
tree borer. p.30.

Skripchenko, V.P. - Advice to a machine operator. p.31.

Berim, N.G. - Arsenic-containing inorganic insecticides and toxic substances. p.32.

Spichenko, D.A. - Box trap. p.32.

Questions and answers. pp.34, 39.

Drozdovskii, E.M. - Early spring work in orchards and strawberry plantations. p.35.

Blinchevskii, M.Z. - Growing healthy tomato and cucumber seedlings. p.36.

Fratkin, A.B. - Poisonous chemicals for collective-farm orchards and the farmers' personal plots. p.38.

Popova, I.V., Tuchin, V.F. - Forecast for sugar beet pests and diseases. p.40.

Sveshnikova, N.M., Gus'kova, L.A. - Nematode diseases of flax. p.42.

Shcherbachenko, L.I. - Spinach leaf miner and stem weevil. p.42.

Gvozdenko, I.M. - Mechanized units for controlling the Acroptilon picris. p.43.

Dulo, V.IU., Smolnik, A.I. - In the Transcarpathian Laboratory. p.44.

Kitaev, I.A. - Practices in controlling potato wart. p.46.

Zaets, V.G. - Fumigation of nursery stock. p.46.

Abramova, Z.V., and others. - Brief information. p.48.

Novinskii, IU.S. - Plant protection in Poland. p.51.

Bibikova, L.IA. - Production and use of herbicides in the U.S.A. p.52.

Bookshelf. pp.53, 63.

A.F. - Foreign mercurial disinfectants. p.54.

Giliarov, M.S. - Breaking down of poisonous chemicals in the soil. p.54.

Vorontsov, A.I. - In the Department of Forest Entomology of the Fifth Conference of the All-Union Entomological Society. p.56.

Vanage, G.J. - Conference on toxic substances. p.57.

Volchenko, V.V. - In White Russia. p.57.

Popov, V.I. - A contribution to Russian phytopathology; book review. p.60.

Pul'son, R.Kh. - Literature on the nematode diseases of plants. p.61.
(DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.26, no.1, Jan. 1964.

Table of contents translated:

Pannikov, V.D. - For an overall and efficient chemicalization of agriculture. p.2.

Belous, M.D. - What the participants of the December Plenum of the Central Committee of the CPSU say. p.9.

Cheremisinov, G.A. - Increasing the effectiveness of fertilizers. p. 12.
Luk'ianenko, P., and others. - Fertilize the entire area under winter wheat. p. 23.
Artiukhov, I.K. - Effectiveness of fertilizers in the steppe of the Ukraine. p. 26.
Cinis, E. - Liming peat-bog soils. p. 34.
Serbin, A.A. - Prepare organic fertilizers properly. p. 37.
Adrianov, S.N. - Effectiveness of manure-soil composts. p. 42.
Fedeneva, T. - Composts and organic-mineral fertilizers; survey of articles. p. 43.
Baraev, A.I. - Important problems of the agriculture in virgin lands. p. 46.
TSukanova, A.I. - Improving the Solonetz and Solonetz-type soils in the lower Volga Valley. p. 55.
Attention, agronomists! Prevent the damage to seeds! p. 57.
Organization of the storage of seeds on collective and state farms. p. 59.
Solov'ev, M.G. - Strong wheat on the "Rossiia" Collective Farm. p. 66.
Demchenko, I.V. - Obtaining high millet yields. p. 68.
Senitvyi, V.N. - Winter barley in the southern Ukraine. p. 70.
Sintsov, V.N. - Winter wheat in the Central Urals. p. 71.
Kovalenko, G.P. - Each farm should have its own seed. p. 72.
Buzmakov, V.V. - Methods for sowing forage lupine for seed. p. 73.
Kuz'min, K.N. - Initiative of the Toguchin agronomists. p. 76.
Miroshnichenko, V. - Methods for exterminating the shield bug Eurygaster integriceps during harvesting. p. 78.
Meksin, D.V. - A conflict in Kamennaya Krinitsa. p. 81.
Kollada, A. - Level of agronomical work. p. 83.
Kamyshkov, A. - Natural resources in the service of people. p. 85.
Kinsh, N. - Develop implements for scarifying soils of any density. p. 86.
Bergman, V. - Organization of the methodical study of soils in the German Democratic Republic. p. 88.
Golovin, G. - Review of the book "Soils, fertilizers, and crop yields." p. 92.

Vol. 26, no. 4, Apr. 1964.

Table of contents translated:

Increase the production of grain. p. 1.
Levykin, N.N. - Overall mechanization as the most important condition of the intensification of agriculture. p. 3.
Borodin, N.N. - Crop rotation in the Don Valley. p. 7.
Chachin, V.P. - Introduce crop rotation efficiently. p. 17.
Ivushkin, I.F. - Crop rotations in Lugansk Province. p. 21.
Aniskin, G.A. - Control of wild oats and sowthistle. p. 25.
Tolasov, B.K., Timin, A.M. - Elimination of field impurities in an intensive farm management. p. 31.
Vydrin, IU.V., Trusova, F.V. - Controlling the Acroptilon picris. p. 34.
Prokopenko, S.F., Podshivalov, V.S. - Using blower-type sprayer in weed control in virgin lands. p. 41.
Naidin, P.G. - Fundamentals of the fertilizing system. p. 44.
Zhurbitskii, Z.I. - Plant nutrition and the use of fertilizers. p. 52.
Vasil'ev, V.A. - Economic evaluation of the effectiveness of manure-soil composts. p. 56.
Popova, I.M., Prishchepa, A.G., Kuz'ko, L.F. - Effectiveness of fertilizers in the irrigated lands in the southern Ukraine. p. 62.
Esipov, V., Mil'ner, M. - Use fertilizers properly. p. 66.
Lobanov, V.IA. - Sow high-quality seeds only. p. 69.
Semikhnenko, P.G., Ignat'ev, B.K. - Sunflower under irrigation. p. 73.
Nikitenko, G.F. - New oat variety for green forage. p. 75
Karpenko, M.V. - Sowing dates for spring grain in the Virgin Territory. p. 76.
Chirkunova, A.V. - Methods of sowing red clover for seed. p. 77.
Kutsyi, P. - For large winter crops. p. 78.
Bleskin, E.N. - Increase the yield of grain crops in the Moscow region. p. 81.
Leunov, I.I. - Good crops under any weather conditions. p. 84.
Devices for the placement of fertilizers. p. 85.
Kodolbenko, D.V., Kalinovskii, N.V., Agarkov, P.D. - New discoveries break the old stereotype. p. 88.
Volodarskii, N.I. - Tillage problems in Sweden. p. 90.

16. TECHNOLOGY

a. GENERAL

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 41, nos. 9-10, May 1964.

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S.S.R.]. Minsk, vol. 7, no. 3, Mar. 1964.

Table of contents translated:

Shvets, I.T., Dyban, E.P. - Contact heat transfer between plane metallic surfaces. p. 3.
Kasper, V.I. - Heating kinetics and calculation of grain drying in an upward gas flow. p. 10.
Liuboshits, I.L., Kuts, P.S. - Effect of the drying method chosen for peat insulating slabs on the drying efficiency. p. 17.
Slobodkin, L.S. - Approximate method for calculating the heating kinetics for moist material in a fluidized bed under fluctuating temperature conditions. p. 21.
Kusakov, M.M., Konovalova, L.A., Konstantinov, A.A. - High-pressure rotary viscosimeter for small amounts of liquid. p. 27.
Vlasov, V.V. - Use of a digital computer in determining the heat conductivity coefficient of solid materials. p. 34.
Dunskii, V.F., Sidorov, A.I. - Existence of an aerodynamic crisis when a stream of light aerosols or gas is allowed to propagate in a closed room. p. 42.
Sychev, A.T. - Study of a verticle submerged turbulent stream incident on the plane of a smooth ceiling. p. 46.
Kurtener, D.A. - Temperature of a gas flow in a thin-walled perforated tube of constant cross section. p. 54.
Sergeev, I.P. - Calculation of unsteady heat transfer in the active zone of a heterogeneous water-moderated water-cooled boiling reactor with natural coolant circulation. p. 57.
Mikhailov, M.D. - Periodic heating of a fluid through plates. p. 64.
Kochurova, N.N. - The condensation factor. p. 69.
Kudashev, V.I. - Determining the critical density of substances from data for the single-phase region. p. 73.
Roit, L.A. - Diffusion in the critical fluid - vapor region. p. 78.
Belianin, N.M. - Gas motion with friction and heat transfer in a channel of uniform cross section. p. 82.
Samoilovich, IU.A. - Stresses in a long rectangular prism. p. 86.
Khaustovich, G.P., Golovina, E.S. - Characteristics of high-temperature interaction of carbon particles with gases. p. 92.
Mar'in, N.P. - Diffusion of a cloud moving in a medium of variable density. p. 97.
IAsinskii, F.N. - Approximate integration of gas dynamics equations. p. 105.
Tanaev, V.S. - Problem of scheduling the operation of a production line with a single automatic operator. p. 111.
Moin, F.B. - Measuring the turbulent combustion rate by means of a burner with a laminar turbulent flame. p. 116.
Aslanov, S.K. - Theoretical analysis of the vibrational propagation of a flame in tubes. p. 118.
Shimanskii, IU.N., Syromiatnikov, N.I. - Use of the method of the regular regime in studying heat transfer in a fluidized bed. p. 121.
Galonen, L.M. - Nonlinear problem of the heat transfer between a plane-parallel wall and a temperature-dependent source. p. 124.
Kazaychinskii, IA.Z. - Application of classical representations to a new system of validation of the second law of thermodynamics. p. 128.
Kessler, A. - Graphs for determining the time-dependent temperature field in finite rods or plates with internal heat sources. p. 134.
Malievskaia, G.R. - Summaries of articles in the international journal "Teplo-i massoperenos", December 1963. p. 137.

IZOBRETATEL' I RATSIONALIZATOR [INVEN
EFFICIENCY PROMOTER]. Issued by Vse
obshchestvo izobretatelei i ratsionalizatoro
Union Society of Inventors and Efficiency Pr
Moscow, no. 3(211), 1964.

Table of contents translated:

Rakovskii, M.E. - Instruments and techno
velopment. p. 1, 25.
Soil, electricity, chemistry. p. 3.
Chain reaction of innovations. p. 5.
Miroshnichenko, L. - Molecules in a magn
p. 8.
Riabikin, B. - Magic magnet. p. 9.
Avdonin, B. - I made an automobile. p. 10
Kriukova, N. - Go straight forward. p. 11.
Rotberg, G. - Experiment in Riga. p. 13.
Umanskii, A. - Packet with metal. p. 14.
Sushchenko, A. - Sturdy plowshare. p. 16.
Lilina, N. - Hypodermic syringe and a bur
Markova, R. - Special quick-hardening. p
Studentsov, P. - "Illegal" pillars. p. 20.
This is the way we live. p. 22.
Molchanov, I. - Why is the motor vehicle n
p. 24.
IArov, R. - Spark instead of cutting tool.
Kosareva, A. - Contrary wind; verse. p.
From the technologists's notebook of Izobre
Ratsionalizator." p. 27.
Gorokhov, P. - May 9, 1911. p. 28.
Girchenko, L. - Among pipes and wires. p
Nemirovskii, E. - Foreign patents. p. 33.
Petrov, V. - Jump into a cloud; a story. p
Masorin, P. - Who will take the risk? p. 3
Advertising board. p. 37.
Repin, L. - Development of a walking motor
p. 38.

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNO
NICHESKOI INFORMATSII. Nauchno-tekhnic
informatsiia [ALL-UNION INSTITUTE OF SC
TIFIC AND TECHNICAL INFORMATION. Sc
and Technical Information]. No. 12, 1963.

Table of contents translated:

Kolchinskii, M.L. - Evaluation criteria for
information services. p. 3.
Gol'dgamer, G.I., Kudriashova, V.A. - Engi
charge of information services of the Scie
Research Institute. p. 13.
Gol'dinov, V.I., Nedikov, V.M. - Experienc
ganizing the work of technological inform
promotion at the "Russkii Dizel'" Plant in
grad. p. 10.
Size of cards for publications containing info
materials. p. 21.
Shubskaia, L.S. - Interdepartmental Classifi
Commission. p. 21.
Klimentova, T.A. - Using the publications of
Union Institute of Scientific and Technolog
mation in the Science and Technology Lib
Azerbaijani Republic. p. 22.
Podbereznyi, N.G. - Work of technological i
and propaganda in the Kuybyshev Branch
State Institute for Adoption of Advanced W
Methods in Construction. p. 22.
Dzhalava, D.M. - Experience in information
aid designers. p. 23.
Shchanov, A.I. - Work experience in technolo
information and propaganda in enterprise
lumber and woodworking industries of the
Economic Region. p. 23.
Avakian, A.A. - Information work at the Arm
Electrical Engineering Plant. p. 24.
Zhdanova, G.S. - Bibliographical description
role in the science-information process.
Bernshtein, E.S. - Formalized language and
rion of semantic conformity in the "Pusto
4" information retrieval system. p. 31.
Grigorian, V.M. - Some results of the work
chine translation from Armenian into Rus
p. 40.
Bazmadzhian, R.A., Karaustian, T.V., Ter-
T.M. - Programmed realization of the al
of Armenian-Russian translation. p. 42.
Edigarian, A.G., Klazumova, S.A., Fel'dman
Method of a formal description of a langu
on material for a mathematical text). p. 4
Ratsova, I.I. - Symposium on machine transl
p. 46.
Zaitsev, E.N., and others. - "EKA-2" dual el
copying device. p. 47.
Demin, V.N., Kruglov, S.L. - Some problems
erence and information work in foreign co
Pt. 2. p. 51.
Index of articles published in "Nauchno-tekhn
skaia informatsiia" and the author index fo
p. 58.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOL
Issued by Nauchno-tekhnicheskii komitet Sove
nistrov Latviiskoi SSR [Scientific and Technic
mittee of the Council of Ministers of the Latv
S.S.R.] and others. Riga, no. 5, May 1964.

OBZOR POL'SKOI TEKHNICHESKOI LITERATURY. POLISH TECHNICAL ABSTRACTS. Issued by Centralny instytut informacji naukowo-technicznej i ekonomicznej [Central Institute of Scientific, Technical, and Economic Information]. Warsaw, no.1(53), 1964.

ODESSA. POLITEKHNICHESKII INSTITUT. Nauchnye zapiski [POLYTECHNIC INSTITUTE. Studies]. Vol.43, 1962. Voprosy rascheta i konstruirovaniia detalei mashin [Design of machine parts].

Table of contents translated:

Zablonskii, K.I. - Theoretical determination of the law of load distribution along contact lines of gear transmissions. p.3.
Gorbatov, N.I. - Two devices for determining moments and radii of inertia of bodies and plane figures relative to parallel axes. p.11.
Pavlenko, A.F., Zeliukova, R.V. - Experimental investigation of the parameters of mechanical hysteresis in steel-wire ropes. p.17.
Idratsu, V.S. - Effect of the fatigue process in steel rope wires on its magnetic properties. p.28.
Mak, S.L. - Calculating threaded joints. p.35.
Zablonskii, K.I. - Theoretical determination of the law of load distribution along contact lines of bevel gear transmissions. p.39.
Oleinik, N.V. - Effect of unsteady stressed state conditions on the hardening of structural steels. p.49.
Zeliukova, R.V. - Torsional vibrations of steel-wire rope taking into consideration mechanical hysteresis. p.59.
Evdokimov, V.D. - Determining stresses caused by the friction of thin plates. p.66.
Charugin, V.N. - Internal engineering force factors and problems of technological improvement of steel-wire ropes with unidirectional twist. p.73.
Tomashevskaia, L.M. - Possibility for shortening sliding bearings operating in a lubricated friction area. p.86.
Oleinik, N.V. - Strength calculation of cyclically conditioned parts. p.91.

PROFESSIONAL'NO-TEKHNICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.21, no.4(227), Apr. 1964.

Table of contents translated:

Man's greatness lies in work. p.1.
In the Government Committee on Vocational Education attached to the State Planning Commission of the U.S.S.R. p.3.
Krest'ianinov, A., Solov'ev, N. - Let's improve the training level of worker cadres. p.4.
Okushko, A. - Vital concern of rural vocational schools. p.7.
Kolbasiuk, N. - On the agenda is the training of machine operators. p.8.
Skorniakova, A. - Extent of student participation in class. p.9.
Kolesnichenko, V. - Shortcomings of a texbook. p.12.
Khaikin, D. - Workshop as a basis for training. p.13.
Construction workers undertake patronage. p.14.
Bogdan . - Practical work on the technology of metals. p.15.
Prozukin, P. - Laboratory work on electric engineering. p.17.
Riabov, N. - More on the connection between subjects. p.19.
Rashragovich, I. - On a wide front. p.21.
IAkub, V. - Art against religious intoxication. p.23.
Grekovich, V. - Parents help a school. p.24.
Tomashpol'skii, I. - Talking to students about the December Plenum. p.25.
Omel'ianenko, B. - Expanding the production of visual aids. p.25.
Shumovich, M. - What interferes with important work. p.26.
Nikolaeva, M. - Let's train personnel for the chemical industry. p.27.
Orlov, A. - Inculcating progressive methods of work. p.28.
Il'in, V. - Let's improve the training of welders. p.29.
Sizemov, IA. - University of technical knowledge. p.30.
Our consultation. p.31.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.]. Erivan, vol. 7, no.3. Mar. 1964.

Table of contents translated:

Erzinkian, L. - Promote high construction standards and timely completion of industrial units. p.3.
Adzhemian, E., Saakian, I. - Mechanizing die-casting shops. p.6.
Oganesian, E. - Some problems in the automation of production processes. p.8.
Lukaitskii, A. - Organization of the production and processing of plastics and synthetic resins in Armenia. p.9.
Sarafian, A. - Innovators and inventors improve chemical production processes. p.12.
Grigorian, E. - Schools of advanced experience. p.14.
Sekoian, S. - Promote the introduction of boards made of wood particles, wood fibers and of cabinet boards into the furniture industry. p.15.
Mkrtychev, A. - Determining economic efficiency of the introduction of new instruments and devices used in automatic control. p.17.
Oganesian, S. - Indices of the processes of leveling and discrepancy of economic standards. p.19.
Ambartsumian, B. - Mechanization of mining operations at the Kafan Copper Works. p.25.
Shakhbazian, T., Manvelian, S. - Automatic line for the production of the "VO" corrugated asbestos slates without lining. p.27.
Sagradian, A., and others. - Technological tests of ores from the Gazmin deposits. p.29.
Kazumov, N. - Continuous thermal treatment of port wine material in hermetically sealed containers. p.33.
Brontvain, L., Kardash, A. - Heat-resistant mold compound for investment casting. p.36.
Markosian, M., Mirzabekian, Zh., Karamian, S. - Winding wires with an insulation based on heat-resistant resins. p.37.
Tatevosian, S. - New desing of a cutting machine. p.39.
Muradian, R. - Bitumen heater. p.40.
Ter-Gazanov, A., Feofanov, G. - Preparing shell molds for skin casting. p.41.
Fel'dman, M. - Chief economist and chief accountant. p.46.
Gasparian, Sh. - Outstanding drillers. p.48.
Farmazian, R. - Investigating the effect of some factors on the solidification of plastisized concrete. p.49.
Vartanov, G., Protasov, IU. - Destruction of rocks by means of Joule's heat effect. p.51.
Sarkisian, G. - Problem of the number of stories in the construction of apartment houses. p.54.
Simonian, E. - Conference of young specialists in mining and metallurgy. p.57.
Ovakimian, A. - Conference on rapid methods for juice production. p.58.
Antonian, A. - Increase the reliability of electric instruments. p.59.
In the U.S.S.R. p.61.
Abroad. p.63.
At the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S.S.R. p.65.
At the Economic Council of the Armenian S.S.R. p.66.
In the Armenian House of Technology. p.66.
Brief news. p.68.
Maksudian, E. - Privileges for minors in industry. p.69.
Makarian, N. - Valuable interesting book. p.71.
New books and information materials received by the scientific and technical library of the Economic Council of the Armenian S.S.R. p.73.
New scientific and technical motion pictures received by the Armenian Motion Picture Release Center. p.74.

REFERATIVNYI ZHURNAL: METROLOGIIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MENSURATION AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, May 1964.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]. Moscow, no.68(128), 1963. Issledovaniia v oblasti fiziko-khimicheskikh izmerenii [Studies in the field of physicochemical measurements].

Table of contents translated:

Foreword. p.3.
Kollerov, D.K. - Metrological problems involved in physicochemical measurements. p.6.
Aleksandrov, V.V., Kollerov, D.K., Skorik, I.L. - Standardization of the pH scale. p.34.
Kollerov, D.K., Kuznetsova, N.V., Skorik, I.L. - Silver chloride half-cell and the methodfor determining its standard potential in the circuits without transfer. p.42.
Aleksandrov, V.V., and others. - Standard buffer solutions and the determination of their pH in the temperature range of 0 to 95 C. p.59.
Sorokoumova, T.I., Chesnokov, N.A. - Calibration liquids and the control test of viscosimeters having the diameters of capillaries above 2 mm. p.80.
Maliarov, G.A., and others. - Calibration liquids for the control test of viscosimeters. p.86.
Stul'ginskaia, I.A., Chesnokov, N.A. - Viscosity of water within a temperature range of 0 to 95° C. p.100.
Kollerov, D.K. - Sorption capacity of glass. p.107.
Grudiukina, N.P. - Determination of the isotopic composition of silver with an MI-1305-type mass spectrometer. p.117.
Pevzner, M.G. - Thermionic ion sources for mass spectrometry. p.120.

STANDARTIZATSIIA [STANDARDIZATION]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol.28, no.3, Mar. 1964.

Table of contents translated:

Razumov, N.A. - Standards form the base for high production standards and specialization in industry. p.3.
Sazonova, A.A. - Inspecting heat-treated machine parts. p.9.
Starostin, V.N. - Increasing the requirements for plunger pairs of diesel-engine fuel pumps. p.12.
Rusinov, R.V., Pavlova, V.M. - Standardization of hydraulic tests of diesel engine sprayers. p.16.
Goberman, P.N. - Establishing allowances for [illegible] dimensions. p.20.
Markov, N.N., Kulnev, G.D. - Establishing errors of active control devices and pickups. p.23.
Fedorov, V.I. - Welded drive pipes. p.24.
Smirnov, A.S. - Standardization of dimensioning systems. p.26.
Gnedov, N.P., Kuz'menko, N.K., Shilter, P.T. - Determination of coal quality. p.29.
TSynovnikov, A.S., Filippova, A.A. - Selection of samples and the indices of coke properties. p.31.
Kiriukhin, S.M., Lyvishits, L.A. - Rapid determination of the dustiness of washed wool. p.37.
Dukhovnyi, A.S. - Patent clarity of standard articles. p.39.
Kolindich, N.S. - Standardization of casting equipment. p.41.
Pokrass, G.S. - Language of state standards. p.42.
Bondarev, A.M. - Input and output devices of electronic computers. p.44.
Matveev, N.A. - Specifications of pipes. p.45.
Lopatin, A.V. - Sheet-bending hydraulic presses. p.46.
Bulakh, V.I. - Refractory articles for marine boilers. p.47.

Elges, E.G., Danilova, L.L., Shagina, M.A. - Determining the thickness of fabrics. p.49.
Goloshchapov, A.N. - Comply with the requirements of standards. p.52.
Bergel'son, L.V. - Study of standardization. p.53.
Popov, V.A. - Courses in standardization. p.53.
Korostolin, A.S. - Comments of a standardization specialist. p.54.
Lobov, G.T. - Conference on standardization in machinery plants of Central Asia. p.55.
Ratner, M.L. - Determining dimensional series of parts. p.56.
Shulko, IA.V. - A useful book. p.57.
Standards for the machinery industry. p.59.
Foreign standards. p.61.

TAJIK S.S.R. Sovet Ministrov. Nauchno-tekhnicheskii komitet. Sbornik nauchno-tekhnicheskoi informatsii [Council of Ministers. Scientific and Technical Committee. Scientific and Technical Information]. Stalinabad, no.3, 1960.

Table of contents translated:

Increase the output of food products. p.3.
Arvanitaki, E.S. - Two-plane trellis in vineyards. p.5.
Naberezhnova, S.D. - Introduction of the method of a fast corning of meat, tongues and smoked articles at the Stalinabad Canned Meat Works. p.9.
Krainov, A.N. - Development of founding in the Tajik S.S.R. p.11.
Shalakberov, N.Sh. - Automatic control of auxiliary winches in mines. p.15.
Zhitomirskii, A.N. - Using solutions with an imitating color for colorimetric determination of tungsten in ores and products of their beneficiation. p.19.
Dalinbaev, S.D. - Some measures for the modernization of equipment in the cotton ginning industry. p.21.
Sagdiev, T.G. - Efficient investigation of the seismic stability of structures. p.23.
Supolkin, G.A. - Prequadratic area of the hydraulic resistance of pipings. p.26.
Dateman, A.I. - Improvment of automatic washing and bottling machines at the Stalinabad Brewing Plant. p.30.
IUsupov, Kh.M. - Trigonometric gauge. p.33.
Potunin, A.K., Kisilevich, L.A. - Using thermit ignition fuses in blasting. p.35.
Device for discharging fuel oil from tank cars. p.37.
Double-acting single-cylinder piston pump. p.37.
Dump cart for the DT-14 tractor. p.38.

New motor graders. p. 40.
Use plastics in castings and forms. p. 42.
Turbine-type concrete mixers. p. 42.

In the Scientific and Technical Committee of the Council of Ministers of the Tajik S.S.R. p. 43.
In the Economic Council. p. 43.
In the Construction Ministry of the Tajik S.S.R. p. 46.

TALLINN. POLUTEHNILINE INSTITUUT. Toimetised. Seria A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies]. No. 201. 1963.

TIFLIS. GRUZINSKII POLITEKHNICHESKII INSTITUT. Trudy [GEORGIAN POLYTECHNIC INSTITUTE. Transactions]. No. 4(89), 1963. Arkhitektura i stroitel'noe proizvodstvo [Architecture and the construction industry].

Table of contents translated:
Agababian, R.IA., Chigogidze, G.G. - Results of experimental construction on the comprehensive theme "Standard apartment houses suitable for conditions in Georgia." p. 3.
Akhvlediani, B.V. - Dating some repairs to the Mtskheta Dzhvari; end of the 6th and the beginning of the 7th century. p. 11.
Buradze, G.A. - Bonding of "gazha" - portland cement concrete with the reinforcement. p. 27.
Gagoshidze, V.S. - Gallery-type apartment houses with economical arrangement of apartments. p. 35.
Dogonadze, D.A. - Calculating the force of water hammer under complicated conditions taking into account the force of friction. p. 45.
Grigolashvili, K.Z., Danelia, N.F., Dolmatashvili, G.N. - Waves in a swift current and their calming by directing fins. p. 51.
Zedginidze, A.G., Blut, A.V. - New design of a separating chamber. p. 59.
Kvirkvelia, T.R. - Some problems in the interrelationship between architecture and nature. p. 71.
Kompaniani, Zh.I. - Method of manufacturing thin-walled arched reinforced concrete elements of the prismatic fold type. p. 83.
Lezhava, G.I. - Domestic architecture of Racha. p. 97.
Montaelidze, M.A. - Bonding between gazha-portland cement mortar with bricks and concrete. p. 111.
Pkhakadze, S.I. - Composition methods of planning different types of health resorts. p. 127.
Pkhakadze, S.I. - New problems in the planning of health resorts in connection with standard planning and centralization of service. p. 139.
Shangelia, I.D. - Prestressed continuous walls for large-panel buildings. p. 157.
Shangelia, I.D., and others. - New clay large wall blocks. p. 181.
Tkhilashvili, I.G. - National characteristics at the present-day stage of architectural development. p. 193.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV. Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U.S.S.R.]. Moscow, vol. 6, no. 4(64), Apr. 1964.

Table of contents translated:
Along Lenin's path. p. 2.
Kazakov, P. - You should know your suit. p. 3.
Zaslavskii, S. - Initiative has been supported. p. 9.
Belobragin, B. - Every brigade should have a plan of scientific work organization. p. 11.
Boginskaia, L. - Seek and you shall find. p. 15.
Mandrugin, A. - Impatience. p. 18.
Vol'pert, G. - Proper organization of equipment repair. p. 20.
Dokuchkin, N., Chlenova, N. - In creative search. p. 22.
Churinov, A. - Justified confidence. p. 25.
Folumenov, S. - A good word and the support of comrades. p. 28.
Fedchuk, N. - Not in quantity but by quality. p. 30.
Ryzhkov, F. - Mechanized storage of vegetables. p. 32.
Karuna, E. - Assemblers and mechanics. p. 38.
Zabava, V. - Rural designers. p. 44.
Karbskii, V. - The second birth. p. 47.
News of Soviet science and technology. p. 50.
Pashkov, M. - From Ivan Fedorov to our days. p. 52.
Kamionskii, L. - A useful book. p. 55.
Foreign news. p. 56.
Bronislaw Dublik, Ludwik Pronczek. - The main thing in the fight for technical progress. p. 58.
In leisure hours. p. 60.

* ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS], issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no. 3, Mar. 1964.

Table of contents translated:
Gorbunov, L.M., Silin, V.P. - Theory of transfer phenomena in a nonisothermal completely ionized plasma. p. 385.
Levin, M.L. - Solution of a problem in quasi-stationary electrodynamics by the method of images. p. 393.
Maksimov, L.P., Stepanov, A.S. - Transfer equations for a three-component plasma in a magnetic field. p. 399.
Zaslavskii, G.M., Moiseev, S.S. - Anomalous diffusion of a plasma in a magnetic field. p. 410.
Kuznetsova, T.I. - Nonsingular solutions to the wave equation for an inhomogeneous layer. p. 410.
Ioffe, S.M. - Effect of electron inertia on the width of a shock wave front in magnetohydrodynamics. p. 420.
Morozov, A.I., Solov'ev, L.S. - Steady axially symmetric plasma streams across an azimuthal magnetic field. p. 429.
Tskhakaia, V.I. - Flow of a compressible conducting fluid past a current-carrying conductor. p. 444.
Hraspin, M.A., and others. - Interaction between a plasma and high-frequency fields in the presence of a constant uniform magnetic field. p. 448.
Gelovani, K.S., Dagar-Zhabon, V.D., Kuzovnikov, A.A. - Space potential of a steady-state plasma produced by a nonuniform high-frequency field. p. 454.
Fedorchenko, V.D., Muratov, V.I., Rutkevich, B.N. - High-frequency oscillations of a plasma in a magnetic field. p. 459.
Fedorchenko, V.D., Muratov, V.I., Rutkevich, B.N. - Use of a probing beam in studying high-frequency plasma oscillations in a magnetic field. p. 461.
Stepanov, O.I., Boldin, L.I., Dakhin, V.D. - Measurement of high-frequency fields in a plasma waveguide. p. 468.
Hapolius, E.M. - Measurement of a space charge at the initial stages of a positive long spark. p. 474.
Kasatkin, G.M., Nevazhnik, H.M. - Relaxation of a charge due to the electric breakdown of vacuum gaps. p. 481.
Gabovich, M.D., Romanov, I., Fedorus, E.A. - Passage of a plasma from a source with electron oscillation into a vacuum space with a magnetic field. p. 486.
Lozovskii, L.I. - Probe method of determining the time dependence of energy losses by a plasma. p. 490.
Lozovskii, L.I., Shilov, V.V. - New three-layer bolometers for measuring energy losses by a plasma. p. 503.
Vinokur'ev, V.M. - Dielectric constant of mixtures. p. 508.
Balakhov, L.V., Vitman, V.F., Zlatin, N.A. - Process of collisions between deformable bodies and its simulation. Part 2. p. 519.
Zlotin, N.F., Popov, V.A. - Experimental study of the electric conductivity of combustion products containing potassium. p. 523.
Kozlovskii, A.B., Lozovskii, E.S. - Thick-walled ionization chamber as a monitor for γ-radiation with an energy of $0 \leq E_\gamma \leq 100$ Mev. p. 527.
Yemelin, N.L., Mironov, S.S. - Approximate calculation of a focusing system of two quadrupole magnets. p. 530.
Kud'yev, M.V., Baranov, L.V., Tsanidski, N.N. - Measuring the kinetic energy of fragmentary ions in a mass spectrometer. Part I. Analysis of line shapes. p. 535.
Agamov, V.S., Ivanov, N.I., Ushakov, H.S. - Use of a pulse mass spectroscope in studying adsorption characteristics by the flash method. p. 540.
Rogers, A.S. - Effect of the texture on the shape of X-ray diffraction lines. p. 555.
Rostogorsky, P.A. - Accuracy in calculating the intensity of random waves scattered in gases and liquids. p. 562.
Lasenko, IU.IA. - Radial motion of particles in accelerators during the extraction of the beam by means of a regenerative deflector. p. 567.
Stevenin, V.K., Sharkin, P.S. - Surface ionization of potassium diffusing through a globar. p. 576.

AERONAUTICS

KRYL'IA RODINY [WINGS OF THE MOTHERLAND], issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Voluntary Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 15, no. 4, Apr. 1964.

Table of contents translated:
Under the banner of Leninism. p. 2.

Flora to the stars above the gliding vers
Ekonomov, L. - Lenin and space. p. 4.
Explorers of the Universe. p. 6.
Gagarin, IU. - A tale come true. p. 6.
Rlabchikov, E. - Soviet character. p. 8.
Butakin, N. - Plus the chemization. p.
Glorious family of heroes. p. 11.
Slunikov, E. - With his inseparable para
Vdovenko, E. - Landing; verse. p. 13.
Shokhan, N. - Training is a pledge of vic
Lipovich, E. - Festival in honor of the Sp
p. 13.
Stepanov, E. - 1964 sports year. p. 14.
Semenov, M. - "Astronautical town." p.
Grigor'ian, A. - Prophet of the Universe
Cilibar Cuppa. - Preparing for competitio
What worries glider pilots? p. 19.
Here are the best parachute jumpers. p.
Sapozhnikov, E. - Fly without accidents.
Il'chenko, V. - "Vega" is a glider for all.
Start, boys! p. 23.
Facts, events, people. p. 24.
Skobaikov, IU. - A maneuver should be fo
Workshop of a model constructor. p. 26.
Soboleva, O. - I shake your hand, learner;
(to be continued). p. 30.
Among books. p. 31.

MOSCOW. AVIATSIONNYI INSTITUT IMENI S. ORDZHONIKIDZE. Trudy [SERGO ORDZHO AERONAUTICAL INSTITUTE. Transaction 1963. Ekonomicheskaia effektivnost' aviat tekhniki [Economic efficiency of aviation eq

Table of contents translated:
Arutiunov, B.P. - Some general principle determination of economic efficiency of equipment. p. 3.
Gitelson, A.V. - Method for a comprehensi lation of the operational expenditures of airplane at the stage of its designing. p
Kul'kova, L.M. - Comprehensive calculati cost of a commercial airplane at the sta designing. p. 26.
Lukoshova, N.E., Chumova, M.S. - Determ labor intensity in the manufacture of new in the aeronautical instrument industry.
Abaimian, S.A., Polyanskii, V.A. - Speci and regeneration in the manufacture of pa units for extensive use in the instrument p. 41.
Egorov, V.M., Ozols, D.E., Sheltsova, A Planning work in design and construction

IEFERATIVNYI ZHURNAL: VOZDUSHNYI TRA [JOURNAL OF ABSTRACTS: AIR TRANSPO issued by Institut nauchnoi informatsii Akade nauk SSSR [Institute of Scientific Informatio Academy of Sciences of the U.S.S.R.]. Mos nos. 5-6, May-June 1964. Avtorskii ukazatel 1961 g. [Author index for 1961] [This journal translated in parts]

* IZVESTIIA (1964). U.S.S.R.) Ministerstvo vysshe srednego spetsial'nogo obrazovaniia. Izvesti uchebnykh zavedenii; aviatsionnaia tekhnika [of Higher and Secondary Specialized Educatio tin of the Institutions of Higher Learning; Avi neering]. Moscow, vol. 7, no. 1, 1964.

Table of contents translated:
Zarubin, V.N. - Accuracy of numerical calcu of the aerodynamic heating of the cover.
Kuzhnerskov, IU.V. - Solution of an optimum lem in the dynamics of a point with variabl by the method of high-speed descent. p. 1
Mirokhin, N.V. - Design of V-shaped stabilize by the method of horseshoe vortexes. p.
Skripnichenko, S.IU. - Accounting for balanci losses in airplane aerodynamics. p. 28.
Chernobrovkin, L.S. - Determining the fuel w ratio and thrust-weight ratio of an aircraft given law of its motion. p. 37.
Gallimov, N.K. - Stability of a cylindrical san shell with a light orthotropic filler under th of a uniform external pressure. p. 47.
Gedeevich, V.G., Ivanova, O.V. - Natural vi of circular conical cylindrical shells reinfo with annular rigidity ribs. p. 54.
Il'gamov, M.A. - Unsteady thermal conductivit optimum parameters of sandwich plates. p.
Matkina, R.L. - Natural vibrations of a spheri shell. p. 67.
Aronov, B.M., Mamaev, B.I. - Determining t gas-outflow angle from a plane turbine casca profiles. p. 73.
Bogomolov, E.N. - Investigating the effect of a inlet into the turbine flow area for cooling th and body on the efficiency of a gas turbine.
Zemskov, A.G. - Differential equations for the temperature state of an air-cooled blade and methods for their solution. p. 88.

Kolyllanskii, A.A. - Calculating the heating of an infinite two-layer plate. p. 105.
Kosterin, V.A., Rzhevskii, E.V. - Calculating trajectories and the range of fan and twin plane jets in a restricted lateral flow. p. 112.
Kuliar, S.M. - Nonstationary problem in the theory of heat conductivity of a shallow cylinder. p. 122.
Nikitenko, N.I., Nikitenko, L.I. - Temperature field of a system of solids having leveled temperature areas. p. 127.
Odivanov, L.N., Turakov, A.P. - Investigating a Francis turbine with low blades and large clearances. p. 133.
Kordonskii, Kh.B., Korsakov, B.E., Paramonov, IU.M. - Application of a logarithmically normal distribution to calculations and tests of fatigue limit. p. 145.
Kataev, IU.P., Lysov, M.I. - Theoretical investigation of the bending process taking into consideration the formation of area of secondary plastic deformations during the unloading. p. 153.
Osipov, V.A. - Calculating controlled coordinates of the points of frame and linear surfaces of an aircraft. p. 161.
Kovner, D.S. - Turbulent flow of a conducting fluid in a longitudinal magnetic field. p. 170.
Vakhitov, M.B. - Using oblique-angle coordinates in deriving equations of the plane problem in the theory of elasticity. p. 175.
Sidorov, V.A. - Investigating vibrations of rods with holes. p. 181.
Sapozhnikov, N.I. - Effect of added volumes on the characteristics of a compressor and vibratory stresses of blades. p. 187.

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 14, no. 5(113), 1964.

c. CHEMICAL TECHNOLOGY

EESTI NSV POLEVKIVI UURIMISE INSTITUUT. Khimiia i tekhnologiia goriuchikh slantsev i produktov ikh pererabotki [SHALE RESEARCH INSTITUTE OF THE ESTONIAN S.S.R. Chemistry and Technology of Combustible Shales and Their Products]. Leningrad, no. 10, 1962.

Table of contents translated:
Foreword. p. 3.
Petrov, A.P. - Shale producing industry of the Estonian S.S.R. and prospects for its further development. p. 5.
Hallik, A. - Method of drawing up the certification for roof bolting in the preliminary development of Estonian oil shale mines. p. 20.
Hallik, A. - Certain considerations concerning the function of oil shale mine roof bolting and practical conclusions. p. 32.
Talve, L. - Fundamentals of analyzing roof bolting deformation from its characteristics. p. 45.
Talve, L. - Determining the state of the working unit of mine roof bolting. p. 65.
Samian, IU. - Results of plant tests of UP-3 loading machine in shale mines. p. 78.
Tiro, A. - Efficiency of the driving drums of a drive with a differential mechanism. p. 84.
Tiro, A. - Selecting the drive system and the degree of asymmetry in the differential drives of belt conveyors. p. 90.
Mikhailenko, M.V. - Investigating the mechanical enrichment of oil shales in the first shale-enrichment plant. p. 102.
Efimov, V.M., Doilov, S.K. - Shale distillation generators with transverse heat-carrier flow. p. 120.
Piller, P.IU. - Temperature conditions of oil shale gas generators with a central heat carrier inlet p. 135.
Zelenin, N.I., Feofilov, E.E. - Potential and actual phenol yields from oil shale tars. p. 139.
Zelenin, N.I., Feofilov, E.E., Red'kin, V.A. - Optimal variation in the technological system of refining oil shale tar. p. 152.
Preis, M., Piik, Er. - Separating the mechanical impurities and water from oil shale tar by settling. p. 164.
Sheloumov, V.V., and others. - Preparing oil shale tar for distillation. p. 174.
Sipovskii, G.V., and others. - Distillation of chamber tar in an experimental atmospheric and vacuum distillation unit. p. 190.
Feofilov, E.E., and others. - Continuous distillation of oil shale tars under atmospheric pressure. p. 200.
Naarep, E., Sheloumov, V.V., Purre, T. - Investigating the operation of a unit for removing phenols from tar waters of the Kiviöli Combine. p. 217.
Kleesment, I. - Composition of compounds separated from intermediate shale tar fractions with a soda solution. p. 228.
Balashov, P.S., Garnovskaia, G.N., Feofilov, E.E. - Using shale phenols as wetting agents in the mercerization of cotton fibers. p. 242.
Zabrodkin, A.G., and others. - Plant tests of synthetic adhesives on a base of shale phenols boiling at temperatures up to 300°. p. 246.
Zabrodkin, A.G., and others. - Plant tests of synthetic adhesives on a base of shale tar phenols combined with tricresol and boiled away at temperatures above 300°. p. 253.
Hüsse, I., Metsik, R., Metsik, L. - Investigating the process of the formation of calcium chloride in the tar and tar water from the semicoking of oil shale in gas generators. p. 257.
Husse, I., Metsik, R.E., Metsik, L.IU. - Investigating the composition of inorganic chloride compounds in the products of the semicoking of oil shale in gas generators. p. 264.
Efimov, V.M., Metsik, R.E. - Dependence of the calcium chloride content in the generator tar and tar water on the technological conditions of gas generators. p. 278.
Aranovich, IU.V. - Determining the organic mass and calorific value of the semicoke from the heat refining of shale fine by the solid heat-transfer agent method. p. 285.
Sipovskii, G.V., Timotheus, H. - Determining the free and bound alkalies in phenolate solutions by the conductometric method. p. 290.
Sipovskii, G.V., Timotheus, H. - Fast method for determining the neutral oxygen compounds in shale tar fractions; modifications of the Stadnikov method. p. 301.
Hüsse, I. - Conference on problems concerning the production and use of wood-impregnating oil on a base of shale tars. p. 310.
Efimov, V.M. - Conference on the further improvement and automatic control of shale gas generators. p. 314.
Savchenkov, A.F. - Results of the technical and economic evaluation of the production of synthetic ammonia and derivative products from shale gas in the Estonian S.S.R. p. 318.

*KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR and Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R., and the D.I. Mendeleev All-Union Chemical Society]. Moscow, vol. 23, no. 3, Mar. 1964.

Table of contents translated:
Badenkov, P.F. - Some of the most important results of the work of the rubber tire industry and tasks for its further development. p. 1.
Balashov, A.P., and others. - Improvement of the methods for the preparation of tread rubber compounds based on BR under the conditions of Dnepropetrovsk Tire Factory. p. 6.
Prashchikin, V.N. - Analyzing the radial deformation of type "R" and "RS" truck tires. p. 9.
Zakharov, N.D., and others. - Effect of co-vulcanization on the properties of compounds made from a combination of nairit with other rubbers. p. 12.
Nagdaseva, I.P., Burkov, G.G., Krasil'nikov, L.A. - Mechanical characteristics of some designs of metallic tire cord. p. 16.
Zalukaev, L.P., and others. - Using the nuclear magnetic resonance method for studying the thermal aging of tire tread compounds made from natural rubbers. p. 19.
Voevodskaia, M.V., Bartenev, G.M. - Effect of fillers on the thermal shrinkage and glass transition temperature of rubber. p. 21.
Fel'dshtein, M.S., Gorelik, M.V. - N-hexamethylene-2-benzothiazolsulfenamide as an accelerator of rubber vulcanization. p. 25.
Kuznetsov, V.L., Lebedev, A.B. - Effect of the length of the hydrocarbon chain of fatty acid soaps on the parameters of the interphase layers in butadiene-styrene latexes. p. 30.
Pozin, A.A., Zakliakova, A.V. - Use of granular rubber mixtures for the manufacture of rubber footwear with textile fabric uppers. p. 33.
Shliakhman, A.A., Lepetov, V.A., Leonov, I.I. - Hydraulic strength of hose with metal braiding. p. 37.
Rudel'son, V.G. - Pneumatic caterpillars in the foreign patent literature. p. 41.
Skorodumova, Z.V., Fel'dshtein, M.S. - Letter to the editor. p. 45.
Potamoshnev, S.P., Zhelezov, V.A., Gur'eva, L.S. - Role of the establishment of work norms and of the organization of wages on the improvement of the quality of tire tread assembly. p. 46.
Andrianov, IU.F., Burova, I.K., Gur'eva, L.S. - Self-vulcanizing S-12 rubber adhesive for the gluing of rubberized materials made from butadiene-nitrile rubber. p. 49.
Aristov, E.M. - System for the cleaning of press molds in rubber tire factories. p. 52.
All-Union Public Review of the Fulfillment of the Plans for Research Work and of the Application of the Achievements of Science and Technology in the National Economy. p. 55.
New developments in foreign science and technology. p. 57.

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL INDUSTRIES]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 3, Mar. 1964.

Table of contents translated:
Borisovich, G.F., Kalashnikova, Z.S. - Providing the chemical industry with aromatic hydrocarbons. p. 161.
Itsek, S.E., Mukhina, T.N., Barabanov, N.L. - Effect of aromatic hydrocarbons on the distribution of the products of gasoline pyrolysis. p. 163.
Antipina, I.V., Kazarnovskii, S.N. - Oxidation of cyclohexylamine by hydrogen peroxide to cyclohexanone oxime. p. 165.
Larikov, E.I., and others. - Thermal decomposition of aluminum alkyls. p. 171.
Kolesnikov, I.M., Mirgaleev, I.G., Paushkin, IA.M. - Kinetics of the gas-liquid alkylation of benzol by propylene and butylene. p. 174.
Rozantsev, E.I., Krinitskaia, L.A., Troitskaia, L.S. - Use of boric acid esters as antioxidants for polymeric materials. p. 180.
Kazarnovskii, IA.S., Mikhailova, S.A., Kazarnovskaia, D.B. - Influence of pressure on the thermal effect of the synthesis of methanol from carbon oxide and hydrogen. p. 183.
Leibush, A.G., Agranat, B.D. - Effect of the excess of water vapor in the autothermal method of catalytic conversion of methane under pressure. p. 187.
Khodeeva, S.M. - Partial molar volumes and volatility of the mixture acetylene and ammonia. p. 196.
Rozlovskii, A.I., Borisova, I.IA. - Explosion-proof system for liquid-phase oxidation of toluol by atmospheric oxygen. p. 199.
Efremov, A.A., Zel'venskii, IA.D. - Studying the purification by rectification of methylphenyldichlorosilane with the method of radioactive indicators. p. 201.
Ksenzenko, V.I., Erofeeva, K.A. - Kinetics of the chemisorption of bromine by liquid alkali absorbers. p. 207.
Kirdin, K.K. - Advanced method for work planning in the automation of chemical processes. p. 211.
Kafarov, V.V., Pliutto, V.P., Perov, V.L. - Development of mathematical descriptions of the standard processes in chemical technology. p. 216.
Krivsunov, V.N., and others. - Experimental study of the static characteristics of the ethane-ethylene tower. p. 221.
Planovskii, A.N., Zakharova, A.A., Sarukhanov, A.V. - Kinetic design of plate apparatus taking the mixing of the liquid phase into account. p. 224.
Pavlov, V.P. - Determining the complete resistance of bubble sieve plates. p. 228.
Borisov, V.N., and others. - In memory of Arkadii Mikhailovich Malets. p. 233.
Information. p. 234.
Gol'berg, D.O. - "Techniques of laboratory work in organic chemistry" by A.IA. Berlin. p. 238.

KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 2, 1964.

Table of contents translated:
Borisov, A.L., Duseeva, E.K. - Analysis and prospects of the development of the synthetic fiber industry. p. 1.
Ziabitskii, A. - Physical bases of the formation process of synthetic fibers. p. 8.
Perepelkin, K.E., Nachinkin, O.I. - Wet method for the formation of polyvinyl alcohol fibers. p. 19.
Budylov, A.V., and others. - Studying the kinetics of the formation of the structure of polyvinyl alcohol fibers. p. 24.
Sergeeva, L.M., Rogovin, Z.A. - Synthesis of modified polyvinyl alcohol fibers having ion exchange properties. p. 27.
Bessonov, M.I., Rudakov, A.P. - Studying the stresses occurring during the heating of fibers made from polyvinyl alcohol. p. 30.
Berestnev, V.A., and others. - Effect of thermal stabilizers on the structure of capron fibers. p. 35.

Bykov, A.N., and others. - Colored capron fibers. p. 41.

Mees, A.I., Vlasnikova, M.N., Dmitrieva, M. - Effect of modifiers on the formation of the supermolecular structure of viscose fibers. p. 43.

Matveenko, V.I., Finkel'shtein, T.A., Gorin, I.P. - Effect of the derivatives of dithiocarbamic acid on the formation process and properties of viscose cord fibers. p. 49.

Lilenkov, O.N., Makarova, E.P. - Use of epoxy compounds for the crease-resistant finishing of fibers. p. 52.

Perepechkin, L.P., Lopatina, V.A. - Spun acetate fibers from viscous solutions of acetic acid. p. 55.

Zenskova, I.F., and others. - Selecting the activated carbon for the adsorption of carbon disulfide from the air of viscose manufacture under "[illegible] test" conditions. p. 57.

Ivanova, E.P. - Increase of production of spun viscose. p. 63.

Shapiro, E.M. - Potentials for reducing the cost of production of carbon disulfide. p. 65.

Malevannyi, V.A. - Determining calcium and magnesium oxide content of titanium dioxide. p. 70.

Vvedenskii, I.A., Marina, P.N. - Control of spinning solution level in the deaerator. p. 73.

Aizenshtein, E.M., Titova, M.I. - Evaluating the molecular weights of polyethylene terephthalate and of the fibers made from it (lavsan). p. 74.

Larin, I.N. - Lighting rooms. p. 75.

Abstracts. p. 77.

Martsenikova, K.N. - Review of a handbook on man-made and synthetic fibers in foreign countries. p. 80.

KHIMIIA I TEKHNOLOGIIA POLIMEROV, sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS, Translations and Surveys from Foreign Periodical Literature]. Moscow, vol 8, nos 5-6, 1964.

KIEV. TEKHNOLOGICHESKII INSTITUT PISHCHEVOI PROMYSHLENNOSTI. Trudy [TECHNOLOGICAL INSTITUTE OF THE FOOD INDUSTRY. Transactions]. No. 27, 1962. Tekhnologiia i oborudovanie pishchevykh proizvodstv [Technology and equipment of the food production].

Table of contents translated:

Roitev, I.M., and others. - Results of the industrial use of a new technological flow sheet for the making of Russian bread with liquid intermediate products. p. 3.

[illegible], O.A., Mikhailov, A.A., Lisovenko, A.T. - Reducing ventilation losses in the working chamber of a conveyor bakery oven. p. 12.

Bashkirova, N.S., Beraya, N.I., Roitev, I.M. - Some data on the amylase and maltase activity in baker's yeasts. p. 20.

Roitev, I.M., and others. - Preparation of sour dough, leaven and liquid yeast in case of long breaks in work. p. 23.

Bobrovnik, L.D., Litvak, I.M. - Relative speed of the removal of nonsugars during electrodialysis by means of ion exchange resin membranes. p. 31.

Bobrovnik, L.D., Litvak, I.M. - Studying the causes of pH changes in sugar-containing solutions during electrodialysis by means of ion exchange resin membranes. p. 35.

Gulenko, P.V., Garkusha, K.A. - Rapid method for determining the chromaticity of granulated sugar. p. 42.

Likhnitskii, M.Kh., Bobrovnik, L.D., Karpenko, M.I. - Testing the method of the sedimentation of the first carbonation juice by the addition of diffusion juice. p. 46.

Zhura, K.D., Vil'chanskii, S.Ya. - Separation of the coagulate of colloidal nonsugars after preliminary defecation. p. 51.

Gavrilova, K.A., Zubchenko, M.I. - Determination of potassium and sodium in molasses. p. 55.

Prikhod'ko, I.A. - Behavior of pectin substances during juice purification and saccharose crystallization. p. 61.

Arkhipovich, N.A., Yatsenko, G.P. - Production of starch molasses and glucose syrups from corn. p. 66.

Malinovskii, B.D., Mazurok, A.I., Petrova, R.B. - Equation for determining the coefficients of evaporation and rectification of isobutyl alcohol. p. 68.

Malinovskii, B.D. - Concentration of higher alcohols during the rectification of ethyl alcohol. p. 75.

Gulyi, I.S., Popov, V.D. - Criterion equation for the thermal design of cascade crystallizers with cooling. p. 85.

Beloborod'ko, L.A., Gulyi, I.S. - Relation between heat and mass transfer during convective cooling in crystallizers. p. 90.

Yarov, P.P. - Polarographic determination of copper and bismuth when both are present. p. 95.

Gnatovskii, O.A., Il'chenko, E.A. - Use of the adsorption method for determining starch moisture. p. 101.

Polosko, V.N. - Control of the washing waters in the manufacture of discoloring activated carbon. p. 104.

Sagan', I.I. - Some data on the circulation of sugar solutions during evaporation. p. 108.

Bolognin, N.A. - Testing the wear resistance of metals in molasses. p. 113.

Fedotkin, I.M. - Determining the hydrodynamic depression and height of the boiling point in vertical evaporating apparatus. p. 120.

Verbitskii, P.A. - Technological mobility of a free-flowing substance as a factor determining the dynamics of the process of granulation by adhesion. p. 133.

Palamarenko, A.Z. - Safety clutch with high sensitivity and its characteristics. p. 142.

Bosh, M.I. - Effect of the nonsymmetrical distribution of the mass of a suspended type centrifuge on its [illegible]. p. 145.

Systematical index of the transactions of the Kiev Technological Institute of the Food Industry for the period from 1939 to 1962.

Foreword. p. 158.

Part 1. Contents of the transactions of the Kiev Technological Institute of the Food Industry (1939-1962). p. 159.

Part 2. Contents of Students' Magazines (1949-1960). p. 170.

Part 3. Auxiliary indexes. p. 173.

LAKOKRASOCHNYE MATERIALY I IKH PRIMENENIE [LACQUER AND PAINT MATERIALS AND THEIR USE]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 1, 1964.

Table of contents translated:

[illegible], D.I., Belyaeva, E.M., [illegible], N.D. - Economic use of vegetable oils in view of the basic tasks of the paint industry. p. 1.

Kovalev, Y.V. - Achievements in the field of the synthesis of high molecular compounds. p. 4.

Tashkova, A.P., [illegible], G.S., [illegible], L.M. - Film formation from acrylate latexes. p. 9.

Korshak, M.F., Dinaburg, L.G., Bobkova, R.A. - Synthesis of lacquer copolymers of glycidyl methacrylate with methyl methacrylate and butyl methacrylate in emulsion. p. 12.

Spiridonov, E.V., Bel'kov, I.A. - Protective glass painting. p. 14.

Ermilov, P.I., Fedotova, V.N. - Effect of surface-active agents on the properties of lead chromate yellows. p. 22.

Fedotova, I.M., and others. - Use of aluminum compounds in the modification of titanium dioxide obtained by the chloride method. p. 28.

Bilova, M.A., [illegible], N.S., Alekseeva, O.V. - Synthesis of anticorrosive chromium phosphate pigments. p. 32.

[illegible], M.P., Rybov, P.I., [illegible], A.T. - Effect of the grain size on the strength of polymer coatings. p. 35.

[illegible], D.D., Rybov, P.I., [illegible], A.T. - Studying the process of the thermal aging of polyurethane coatings. p. 39.

[illegible], V.M., [illegible], A.A., [illegible], O.A. - Degreasing of metal parts in trichloroethylene. p. 43.

Rakovskaya, N.S., Kiseleva, N.N. - Thermoindicator paints and pencils. p. 44.

Beregovaya, L.S., Vasil'eva, E.N. - Paint coatings for draining static electricity charges from the surface of glass tubes. p. 47.

Gots, V.L., [illegible], I.A. - Paint atomization with preheating in the electric field. p. 49.

Egorov, I.A., Makarova, L.I. - Use of bakelite lacquer coatings to increase the chemical stability of "faolite." p. 51.

Andrianova, T.A., Surikov, I.V., [illegible], E.S. - Analyzing the rheological characteristics of paint materials by means of the rotary GIPI-4 viscosimeter. p. 54.

[illegible], S.V., Orlov, A.V., Gavrilov, T.M. - Using the method of infrared spectroscopy for studying the composition of the volatile products of the photochemical destruction of lacquer coatings. p. 56.

Sysoev, A.L., Shubaev, D.A. - Photoelectric instruments for color measurement of paint materials. p. 58.

Dolmatov, Yu.D. - Using potentiometric titration for the simultaneous determination of the "active" and general H_2SO_4 in solutions obtained in the production of TiO_2. p. 62.

Lara, M.L., [illegible], I.N. - Improving the technology of the production of zinc white from metallic zinc in rotating kilns. p. 64.

[illegible], D.L., [illegible], K.Yu. - Drying kilns for paint coatings heated by the products of the combustion of natural gas. p. 71.

[illegible], A.M., [illegible], G.G. - Mechanization of painting operations in the Electric Locomotive Plant in Novocherkassk. p. 73.

Gol'dberg, K.M., and others. - Experience in the use of lecithin in the manufacture of oil and alkyd paints. p. 79.

Baranovskaia, G.M. - Studying the dispersion of zinc white. p. 82.

Egorov, I.A., Pavlovskaia, L.P. - Method for the utilization of phenols and formaldehyde contained in the waste waters from the production of phenol-formaldehyde resins. p. 86.

Volkov, N.V., Protsenko, A.S. - Testing the salts of furylacrylic acid on color pigments. p. 87.

Lebit, I.P. - Questions and answers on the application of paint materials. p. 88.

[illegible], Z.N., Barashin, G.N., Bakhtina, Z.V. - Improvement of the technology and equipment for the painting and drying of products. p. 89.

Literature on paint materials and their application. p. 91.

Barashin, G.N. - Conference on the efficient application of paint materials (Brno, Czechoslovakia, October 23-25, 1963). p. 95.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PERERABOTKI I ISPOL'ZOVANIIA TOPLIVA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE PROCESSING AND UTILIZATION OF FUEL. Transactions]. No. 11, 1962. Khimiia i tekhnologiia topliva i produktov ego pererabotki [Chemistry and technology of fuel and its refining products]

Table of contents translated:

Foreword. p. 1.

Proskuriakov, V.A., Rozhdestvenskii, A.G., Solovei-chik, Z.V. - Flotational enrichment of oil shale. Report No. 2: Shale of the Kashpir field. p. 5.

Proskuriakov, V.A., [illegible], V.I., [illegible], O.I. - Oxidizing oil shales with atmospheric oxygen. Report No. 3: Oxidation of [illegible] shales. p. 20.

[illegible], V.Ia., and others. - Using enriched oil shale as a filler in elastic mixtures. p. 26.

Kosanogin, E.N., and others. - Temperature and pressure distribution in the separate zones of shale gas generators. p. 35.

Shapiro, R.N. - Effect of the depth of decomposition of oil shale on the composition and properties of chamber tar and gasoline. p. 41.

Vainshtein, IA.M. - Water saturation of a steam-gas mixture of shale gas generators. p. 50.

[illegible], M.M., Kosanogin, E.N., Shapiro, R.N. - Investigating the segregation of fuel and the distribution of gas flows on a cold model of a highly productive shale gas generator. p. 61.

Kosanogin, E.N., Shapiro, R.N. - Plant test of the gasification of shale coke with water vapor. p. 71.

Kosanogin, E.N., Nesterenko, A.G. - Distributed blasting in a shale gas generator. p. 76.

[illegible], A.N., Nesterenko, A.G., [illegible], I.I. - Gasification of shredded peat with illuminating gas. p. 81.

[illegible], N.D. - Testing [illegible] compartment kilns under conditions of intensive production. p. 89.

Kosanogin, E.N., and others. - Increasing the yield and heating capacity of shale producer gas. p. 97.

Kokurin, A.D., Ozerskov, V.D. - Studying the mechanism of the electrocracking of liquid products. p. 101.

Kokurin, A.D., Ozerskov, V.D. - Effect of certain factors on electrocracking in microdischarges. p. 107.

[illegible], E.V., and others. - Adhesives from hydrogenated phenols. p. 120.

[illegible], M.V., [illegible], N.I., Semenov, S.S. - Using xylene fractions of a pyrolytic product of the rectification of gasoline of compartment kilns. p. 127.

Semenov, S.S., and others. - Continuous distillation of shale tars and phenols on a pilot device. p. 133.

[illegible], N.I., and others. - Obtaining thiophenes from the tar of Kashpir shales. p. 144.

[illegible], V.G., Semenova, S.S. - Testing the combined method of separating a diesel fraction of shale tar. p. 153.

Brok, R.I., and others. - Suitability of the sandstone of the oil shale interlayers of the Gdov field for the production of portland cement. p. 165.

Melts, Yu.D., Ozerov, I.M. - Producing lime from the carbonate rocks of the oil shale interlayers of the Gdov field. p. 179.

Ozerov, I.M., [illegible], G.E. - Technology of gas lime concrete with shale ash. p. 189.

Volkhonskaia, N.A., Kosova, O.K., Ozerov, I.M. - Using shale ash in the production of pipes. p. 199.

Volkova, Z.I., Ivanova, E.N., Ozerov, I.M. - Mineral wool from waste products of the oil shale industry. p. 211.

Sirota, M.M., Ozerov, E.I., [illegible], S.A. - Investigating the operation of plant furnaces converted to gas using a low-pressure jet. p. 216.

Sakin, I.N., and others. - Converting natural and mixed gas for special heating installations. p. 245.

[illegible], Yu.I., [illegible], V.F. - Length of the mixing chamber of an ejector. p. 254.

Lopyatsev, IU.I., Lychagin, V.F. - Hydraulic design of a gas ejector by successive approximations. p. 250.

Dral'kin, A.E., Militina, N.V. - Removal of hydrogen sulfide of iron hydroxide suspensions from shale gas. p. 269.

Ivanov, B.I., Zhakhov, V.V. - Disposal of industrial waste waters as a method of preventing the pollution of bodies of water.

Volkov, L.E., Shmidt, L.I. - Detarring the phenol waste waters from thermal processing of oil shales by pressure flotation. p. 284.

Seryshnikova, G.N., Matveeva, N.I., Smetanin, L.L. - High-frequency titrimeter for the determination of strong and weak acids, bases, phenols, and salts in aqueous and nonaqueous media. p. 289.

Khalutinskaia, L.S., Aksenova, N.N. - Determining the phenols in petroleum lubricant oils by ultraviolet spectroscopy. p. 304.

Goshkina, E.A. - Annotated bibliography on problems of oil shale processing. p. 314.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 30, no. 3, Mar. 1964.

Table of contents translated:

We cleared another milestone. p. 1.

TSareva, T.I., and others. - In the front line of the struggle for technological progress. p. 2.

Sharoiko, E.A. - Hygroscopic properties of sunflower seeds. p. 6.

Zamesova, I.F., Markman, A.L. - Synthesis and analysis of alkyd resins based on synthetic fatty acids and cotton soapstock acids. p. 9.

Kharchenko, L.N. - Studying the volatile mustard oils from the seeds of Cruciferae plants. p. 14.

Kozin, N.I., Makarenko, E.N. - Polymorphic transformations in the oil mixtures for margarine production. p. 17.

Stepanova, O.S., Chekurda, A.I., Zavolokina, E.P. - Antioxidant properties of some esters of sorbic acid. p. 20.

Il'ina, A.I. - Nature of the esters formed during the oxidation of paraffin hydrocarbons. p. 22.

Kreshkov, A.P., and others. - New method for determining fatty acids content of saponified oils. p. 26.

Baranov, L.M., Kazennova, T.A. - From the experience in the operation of a vacuum continuous production line for the mechanical processing of toilet soap. p. 29.

Irodov, M.V. - Effect of some admixtures contained in oils on the manufacture of glycerin. p. 34.

Melekhov, P.A. - In the Novosibirsk Oils and Fats Combine. p. 36.

Konshin, N.P. - Substitute for tung oil in the manufacture of glyptal linoleum. p. 37.

Martirosian, Kh.A. - By word and deed. p. 38.

Kirichenko, V.F. - Oils and Fats Firm "Oktiabr" in Lvov. p. 40.

Suslov, I.A. - Socialist competition for communist labor and high standards in production. p. 41.

Nevolin, F.V., Grabovskii, I.I. - From the foreign patent literature. p. 43.

Third All-Union Public Inspection of the Fulfillment of the Plans of Research Work and of the Application of the Achievements of Science and Technology in the National Economy. p. 46.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SPIRTOVOI I LIKERO-VODOCHNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE DISTILLING AND LIQUEUR AND VODKA INDUSTRY. Transactions]. No. 13, 1962. Tekhnologiia, oborudovanie i ekonomika spirtovoi, fermentnoi i likero-vodochnoi promyshlennosti [Technology, equipment and economics of the distilling, fermentation, and liqueur-vodka industries].

Table of contents translated:

IArovenko, V.L., and others. - Utilization of the cellular juice of potatoes in the combined production of starch and alcohol. p. 3.

Konovalov, S.A., IAkusheva, M.IA. - Changes in the nucleic acid content of yeasts during the various stages of their growth. p. 10.

Rukhliadeva, A.P., Semikina, L.V., Cherednichenko, V.S. - Quantitative chromatographic method for determining carbohydrates. p. 14.

Feniksova, R.V., Gendina, S.B. - Production of more active varieties of mold fungi forming amylolytic enzymes. p. 18.

Danilov, K.G., IArovenko, V.L. - Mash souring in ripe beer. p. 25.

Danilov, K.G. - Propagation of yeast cells and recommendations on the technological design of fermenter batteries. p. 28.

Oshmian, G.L., Ignatova, A.V., Susykina, A.V. - Production of the heavy type rum. p. 34.

Stepantshchev, K.P. - Graphic analytical method for calculating the surface of the working membranes in the purification of fermentation solutions by the dialysis method. p. 40.

Koloskov, S.P. - Continuous system developed by the Central Scientific Research Institute of the Distilling Industries for the growing of mold fungi with the surface method. p. 44.

Grechishnikova, O.K. - Increasing the starchiness of industrial potatoes. p. 54.

Ul'ianova, M.P. - Results of the transition to a seven-hour workday and improvement of the wage system in the distilling industries. p. 60.

•PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudartsvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 5, 1964.

Table of contents translated:

Nikolaev, A.N. - Optimum output volumes of articles manufactured from polymeric materials with the extrusion method. p. 1.

Berlin, A.A., Prosvirkina, V.F. - Studies in the field of the mechanochemistry of polymers. Changes in the fractional composition of polyvinyl chloride during plasticizing. p. 4.

Liustgarten, E.I., and others. - Synthesis and analysis of copolymers with a macroporous structure. p. 7.

Topchieva, K.V., and others. - Effect of the porous structure of the aluminosilicate carrier on the polymerizing activity of the chromium oxide catalyst. p. 11.

Smirnova, O.V., and others. - Effect of emulsifiers on the course of the interphase polycondensation in the production of polycarbonates based on dichlorodiphenylol propane. p. 13.

Popov, V.A., Drulan, I.S., Varshal, B.G. - Using the thermal analysis method for studying the processes taking place in the heating of polymers; phenol-aldehyde resins. p. 15.

Sobolevskii, M.V., Nazarova, D.V. - Effect of the chain structure of the molecules of liquid polymethylphenyl siloxanes on some of their properties. p. 19.

Zhdanov, A.A., and others. - Analyzing the characteristics of organosilicon polymers containing hydroxyphenyl groups. p. 23.

Sokolov, A.D., Kanavets, I.F. - Studying the processes of injection molding of thermosetting plastics. Determining the technological conditions of the processing. p. 27.

Sukhov, S.I., Levin, A.N. - Glass plastics clad with chemically stable thermoplastics. Production methods and technology of the manufacture of chemical apparatus. p. 33.

Grezin, V.M., Kagan, M.E. - Resistance of AG-4C glass plastics to prolonged loading under normal climatic conditions. p. 38.

Andreevskaia, G.D. - Effect of the orientation of the reinforcing fibers on the mechanical strength of glass plastics. p. 43.

Nikolaeva, T.N., Kudriavtseva, N.S., Zakharova, L.V. - Rapid method for the production of coatings from the fluoroplast-3M suspension. p. 45.

Shidlovskaia, R.F., Livshits, IU.T. - Economics of the production of vinyl chloride copolymers. p. 48.

Vinogradov, G.V., Prozorovskaia, N.V. - Use of the capillary viscosimeter of permanent pressures in the study of polymer melts. p. 50.

Isakovich, E.G. - Studying the mechanical properties of polymeric materials under various speed conditions of short static tests. p. 57.

Kalachev, IU.A., Ivanov, N.I. - Polishing of polymethylmethacrylate by oxypropane flame. p. 61.

Dem'iankov, N.V. - Ice molds made from glass plastics. p. 62.

Shturman, A.A. - Use of plastics for the protection of threaded joints against spontaneous loosening. p. 65.

Kovchina, L.D., Fishman, B.N. - Hermetic sealing of products by means of epoxy compounds under vacuum. p. 66.

Kamenskii, I.V., TSepelev, A.S., IAkushina, T.V. - Textolite based on melamine-formaldehyde resins modified by acetone. p. 67.

Turov, IU.A., Parshina, G.A. - Production of plastics in the U.S.A. from 1962 to 1963. p. 68.

Various information. p. 70.

Exhibition of achievements of the National Economy of the U.S.S.R. p. 73.

New standards for plastics. p. 74.

Bibliography. p. 76.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Food Technology]. Moscow, no. 2(39), 1964.

Table of contents translated:

Gavrichenkov, D.N. - Determining efficiency in the utilization of grain in its processing. p. 7.

Kazakov, E.D., Liubushkin, V.T., Kaznkova, A.F. - Linear dimensions of corn kernels and their variability. p. 10.

Trubitsyn, N.V. - Sorption of carbon dioxide by corn kernels. p. 10.

TSysar', N.V. - Baking properties of the southern Ukraine strong wheats from the 1962 crop. p. 16.

Karpova, I.F., Kazakov, E.V. - Colloidal chemical processes taking place in food products during storage. p. 21.

Krivolapov, F.G., Sinel'nikova, L.E., Shilova, L.I. - Susceptibility of starch to attack by ferments during its aging. p. 24.

Byt'eva, G.P. - Effect of the oxidation-reduction potential on saccharomyces and wild-yeastlike fungi. p. 26.

Pavlovskii, P.E., Golovkina, G.P. - Proteolytic transformations occurring during the aging and curing of pork meat. p. 31.

Golovkin, N.A., Nozdrunkova, I.R. - Determination and role of calcium and magnesium cations during meat refrigeration and storage. p. 36.

Bal', V.V., IUr'eva, V.I. - Effect of the pH on the electrophoretic mobility of the muscle proteins of fish. p. 38.

Goldovskaia, T.E., Kul'nevich, V.G., Latnova, D.N. - Triethanolamine as the new stabilizer of furfural. p. 40.

Chernogortsev, A.P., Shenderiuk, V.I. - New types of feeds from fish wastes and inedible fish. p. 44.

Artemova, V.M., Usova, E.M. - Effect of food coloring substances on the formation of the gelatin structure. p. 46.

Shcherbakov, V.G., Erokhina, V.L. - Studying the two-step extraction of rice bran. p. 49.

Kozin, N.I., Makarenko, E.N. - Conditions of the cooling of the fat base in margarine manufacture according to the data of the differential-thermal analysis. p. 54.

Gorb, T.F., and others. - Changes in some physicochemical properties of syrup occuring during filtration through kieselguhr. p. 60.

Bespiatov, M.P., Leshchenko, Zh.IA. - Effect of activating additives on the detergency of alkyl sulfates obtained from alcohols of the second unsaponifiables. p. 62.

Navrotskaia, A.M. - Efficient utilization of hops in brewing. p. 65.

Bocharova, N.N. - Antibacterial effect of colimycin under the conditions of the manufacture of citric acid. p. 70.

Kestol'man, V.N. - Research in the field of the utilization of capron in the manufacture of food machinery. p. 75.

Kestol'man, N.IA., Kestol'man, V.N. - Utilization of plastic coated metals in the manufacture of food machinery. p. 80.

Dikis, M.IA., Chernigov, A.N. - Contact heating of liquid food products by water vapor. p. 84.

Izmailov, A.V., Danilova, N.N., Shilova, O.Z. - Protective coatings for nonferrous metals and alloys used in the food industry equipment. p. 88.

Berger, G.IA. - Theory of grain self-sorting as applied to gravity separators. p. 91.

Sokolov, V.I., Rusakova, A.A. - Hydrodynamics of the intrarotor flow in tubular supercentrifuges. p. 96.

Kharin, S.E., Perelygin, V.M. - Equilibrium of a water-alcohol-sugar solution with its vapor at boiling temperature. p. 101.

Tobilevich, N.IU., and others. - Effect of the rate of the sugar juice motion on the thermal resistance of the deposits and on the heat transfer during heating. p. 106.

TSygankov, P.S., Malezhik, I.F. - Effect of the concentration of the feeding on the conditions of a rectification column. p. 110.

Konstantinov, S.M. - Diagrams of the heat exchange in the evaporator for molasses stillage. p. 114.

Eres'ko, G.A. - Outflow of the real liquid from small orifices. p. 117.

Zhadan, V.Z., Movchan, A.A. - Heat capacity of fruit and vegetables. p. 121.

Popov, V.D. - Study of the working processes in the continuous crystallization of sugar. p. 122.

Neduzhko, E.A. - Improvement of the criterion equation of the heat transfer in the boiling of massecuite. p. 126.

Sagan', I.I. - Heat exchange and circulation in the boiling of high-concentration sugar solutions. p.127.
Troino, V.P., Vaisman, M.L. - Temperature and height of the boiling point of massecuite. p.128.
Skripko, I.S. - Calculating the technological indices of sugar crystallization in vacuum apparatus. p.130.
Belokon', I.A., Gulyi, I.S. - Design of massecuite crystallizers. p.133.
Belokon', I.A. - Criterion equation of crystallization. p.137.

Terent'ev, IU.A. - Experience with the operation of the Heppler consistometer. p.143.
Gorenko, T.V., Naumova, L.N. - Formation of the curves of yield in elution analysis. p.148.
Chistiakova, E.A., Kurilenko, O.D. - Determining the isoelectrical point of egg albumin by high-frequency titration. p.153.
Parfent'eva, T.L. - Colorimetric method for determining pentoses and hexoses in hydrolyzates. p.156.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry], Moscow, vol.37, no.12, Dec. 1963.

Table of contents translated:
Make better use of potato and corn raw materials in the starch and molasses industry. p.1.
Maksimuk, P.S. - Concerning the consumption of filter cloth. p.4.
Abdulakh, M.N. - Pay more attention to technology. p.7.
Ivanov, S.Z. - Fortieth anniversary of a department of the Voronezh Technological Institute. p.8.
Kaganov, I.N., Levina, R.I. - Crystallization diagram. p.11.
Dobronravov, F.N. - Use of battery hydrocyclones for juice filtration. p.14.
Pokanevich, A.V. - Settling system for flume waste waters with mechanical removal of sediments. p.17.

Mikhailenko, V.I. - Modernized optical-acoustical gas analyzer for the determination of CO_2 in saturation gases. p.20.
Zhirnov, A.A., Safronov, V.V. - Improving the performance of the automatic control systems in defecation-saturation stations. p.23.
Kaminskii, G.A. - Time has come for a revision of the standard decisions on the automation of sugar factories. p.26.
Silin, P.M. - Natural alkalinity. p.29.
Moreinis, IA.I. - Improve the standards of economic analysis in sugar factories. p.31.
Kuts, V.I. - Comparison analysis method of the operational activities of sugar factories and of the improvement of their planning system. p.37.
Vilko, G.T. - Using standard methods of accounting in the calculation of the production cost of sugar. p.41.

Sorokina, T.I. - Effect of digestion on the amount of sugar losses in sugar beets during storage. p.45.
Parkhod'ko, A.P. - Modernization of the cup packing of centrifugal pumps. p.47.
Kachailo, I.V. - Improving the performance of the equipment in liming stations. p.49.
Slabospitskii, S.V. - Preparation of the platform floor in the open storage of unrefined cane sugar. p.50.
Denisov, F.F. - Work of the screening station. p.52.
Bychkov, B.K. - Water balance in the production of raw corn starch. p.54.
Bobrik, I.P. - Production of potato starch in the U.S.A. p.61.
Savina, A. - Selecting sugar beet samples. p.63.
Benin, G.S. - "Sugar industry as seen in the light of figures" by J. Janotta, E. Lachowicz, B. Tomczinski. p.63.

List of articles published in the "Sakharnaia promyshlennost'" journal during 1963. p.66.
List of the authors of articles published in the "Sakharnaia promyshlennost'" journal during 1963. p.75.

UFA. BASHKIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO PERERABOTKE NEFTI. Trudy [BASHKIR SCIENTIFIC RESEARCH INSTITUTE FOR PETROLEUM REFINING. Transactions], Leningrad, no.6, 1963. Sernistye nefti i produkty ikh pererabotki [Sour oils and their refining products].

Table of contents translated:
Foreword. p.3.
Masagutov, R.M., and others. - Using gases of hydroforming processes. p.5.
Masagutov, R.M., and others. - Using hydrogeneration to purify a hydroforming product of catalysis. p.10.
Masagutov, R.M., and others. - High-temperature catalytic cracking of heavy fractions of straight-run gasoline. p.14.
Kostrin, K.V., Sabadash, IU.S. - Light thermal cracking (viscosity breaking) of the heavy residues of sour crudes. p.18.
Akimov, V.S., and others. - High-viscosity distillates as an additional resource in the production of motor oils. p.24.
Cherek, I.I., and others. - Industrial experience in obtaining paraffin from a lubricant distillate of sour crudes. p.34.
Akhmetova, R.S., Gailoukhova, A.P. - Studying the possibility of obtaining rubrax from eastern sour crudes. p.43.
Aidel'son, S.V., Zaitova, A.IA. - Calculating the oxidation of coke on a catalyst. p.49.
Ivchenko, E.G., Sevast'ianova, G.V., Garipova, L.Z. - Oil of the Yusupovo field. p.63.
Sevast'ianova, G.V., Ivchenko, E.G. - Investigating a kerosene-gas oil fraction from Arlan crude. p.68.
Ivchenko, E.G., Sevast'ianova, G.V. - Thermal stability of sulfur-bearing crude from Bashkiria. p.75.

Vol'f, M.B., Alekseeva, R.B., Prokopiuk, L.G. - Using molecular sieves to increase the octane number of gasolines. p.79.
Kreimer, M.L., and others. - Improving the quality and increasing the recovery of a 62--85° C gasoline fraction for use as a raw material for producing benzene. p.95.
Danilov, I.N., Murzakulatov, Kh.A. - Preliminary filtration as a factor increasing the thermal stability of fuels for ramjet engines. p.102.
Gol'dberg, D.O., and others. - Methods for obtaining oils with improved low-temperature properties from sour crude. p.105.
Akimov, V.S. Gol'dberg, D.O., Efremova, M.I. - Effect of the acetone content in a solvent on dewaxing. p.112.
Cherek, I.I., Vorob'eva, V.V. - Paraffin and ceresin potentials in Shkapovo oil. p.122.
Cherek, I.I., Vorob'eva, V.V. - Possible fields of application for the low-melting components of paraffins and ceresins from sour crudes. p.127.
Akhmetova, R.S., Gailoukhova, A.P. - Means for improving the qualities of road asphalts. p.133.
Kostrin, K.V., Akhmetova, R.S. - Yarega oil as a crude for obtaining high-quality bitumens. p.139.
Zizin, V.G. - Taking into account distortions introduced by a detector in gas chromatography. p.152.
Proskuriakov, L.M., Sobolev, A.S. - Automatic a.c. balanced bridge for chromatographic recording. p.169.
Sobolev, A.S. - Chromatographic analysis of products in the production of butyl alcohol. p.171.
Khabibullin, S.G. - Perfecting laboratory instruments. p.178.

Kutlashov, V.F. - Determining the gasoline octane number from small samples. p.182.
Lapitskaia, O.I., Zubkova, K.A. - Obtaining acetylene by high-temperature pyrolysis in tube-stills. p.186.
Kolesnikova, T.A., Sadyrina, N.A. - Drying a butane-butylene fraction in an alkylation unit using diethylene glycol. p.194.
Kozik, B.L., Pestrikov, S.V., Germash, L.I. - Obtaining dimethyl styrene by the dehydrogenation of cymene. p.198.
Kozik, B.L., Batchugova, V.A. - Obtaining synthetic rubber on a base of dimethyl styrene. p.205.
Sokov, IU.F., and others. - Extracting aromatic hydrocarbons using a rotor-disk contactor. p.207.
Kreimer, M.L., and others. - Certain data on the industrial evaluation of the efficiency of a sieve plate with a baffle arrangement. p.217.
Saitgareev, F.Sh., and others. - Intensifying the operations of industrial furnaces. p.226.
Kreimer, M.L. - Examining a double-chamber furnace with an inclined arch. p.240.
Neiaglov, A.V., Buchacher, E.A. - Designing end packing for centrifugal pumps. p.251.
Shamrai, N.M. - Operation of the valves of a piston power pump. p.259.
Zeninskii, A.M., and others. - Using the production capacity of the petroleum refineries of Bashkiria. p.267.
Akimov, V.S., and others. - Remodeling pressure-vacuum and thermal cracking devices. p.271.
Terent'ev, G.A. - Calculating production costs in petroleum refining. p.279.

Kostrin, K.V., Kolbina, L.I., Toskina, Z.N. - Economic significance of the use of chemicals in petroleum refining and the classification of these chemicals. p.283.
Berman, S.A. - Equipment designed by the Bashkirian Scientific Research Institute for Petroleum Refining as shown at various industrial exhibitions. p.293.

* ZHURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.37, no.4, Apr. 1964.

Table of contents translated:
Mukhlenov, I.P., Averbukh, A.IA., Vitvitskii, A.I. - Effect of catalyst mixing on the process of conversion of methanol to formaldehyde in a fluid bed. p.705.
Matusevich, L.N., Blinova, N.P. - Crystallization of salts from aqueous solutions at different temperatures. p.710.
Ozerov, R.P., and others. - Composition and structure of naturally occurring calcium phosphates. p.716.
Eselev, I.M., Mukhlenov, I.P., Traber, D.G. - Use of an iron catalyst in the contact-tower process. p.722.
Dmitriev, M.T., Sorokin, IU.A. - Radiation-chemical formation of nitric oxide in the system nitrogen - oxygen at high temperatures. p.727.
Kovalenko, P.N., Bagdasarov, K.N. - Spectrophotometric of determining the pH value of the beginning of dissolution and precipitation of dysprosium hydroxide. p.735.
Nizhnik, A.T., Shekhter, Z.V. - Extraction of gallium from alkaline solutions by means of sulfides. p.742.
Gol'dberg, N.A., Gorbushenkov, V.A., Teplova, Z.G. - Some physical properties of m-chlorophenylisocyanate. p.745.
Motsarev, G.V., Rozenberg, V.R. - Thermal decomposition of trichloromethyltrichlorosilane. p.747.

Vargin, V.V., Pevzner, B.Z. - Effect of the content and crystallization of TiO_2 on the chemical stability of titanium enamels. p.749.
Karavaev, M.M., Zhantalai, V.A. - Density of solutions of nitrogen tetroxide in concentrated nitric acid. p.756.
Semushin, A.M., Kuzin, I.A. - Effect of the structure of weak acid cation exchangers on their radiation stability. p.760.
Kuzin, I.A., Taushkanov, V.P. - Sorption of uranium and thorium from ammonium thiocyanate solutions by anion exchanger EDE-10P. p.764.
Titov, V.K. - Analysis of chemical reactions taking place during steel siliconizing based on the thermodynamic data. p.768.

Sazonova, M.V., Ban'kovskaia, I.B. - Protection of titanium carbide from oxidation in the air at 1200°. p.773.
Ravdel', A.A., Gorelik, G.N. - Kinetics of the dissolution of lead in lead nitrate solutions. p.778.
Bondarev, V.V., Stender, V.V. - Electrodeposition of cobalt-nickel coating on titanium and its alloys. p.784.
Mikhailovskii, IU.N. - Effect of the mixing of a medium on metal corrosion rate under the effect of low-frequency square-wave alternating current. p.789.
Savitskaia, IA.S., Riabova, L.A. - Preparation of thin films of zinc oxide. p.796.
Fel'dman, IU.A., Shatsova, S.A., Gudkova, E.E. - Nickel plating under the effect of an ultrasonic field. p.800.
Mikhailov, N.I., Kudriavtsev, N.T. - Effect of the additions of foreign cations on the formationof metallic sponges. p.806.
Mashovets, V.P., Poddymov, V.P. - Thermodynamic properties of cadmium solutions in cadmium chloride melts. p.813.
Pavelkina, V.P., Bogoiavlenskii, A.F. - Inhomogeneous composition of an anodic oxide film on aluminum from the data of its chemical analysis. p.820.
Drolov, V.F., Romankov, P.G., Rashkovskaia, N.B. - Drying of free-flowing materials in a multisectional apparatus with fluidized beds. p.824.
Garber, IU.N., Bovkun, R.A. - Study of azeotropes formed by xylene isomers and styrene with methylcellosolve. p.831.

Khartmann, K., Passet, B.V., Pavlushenko, I.S. - Determination of the optimal correlations of volumes of reactors of complete mixing in a cascade. p.838.
Kishinevskii, M.Kh., Kornienko, T.S. - Dynamic method of studying mass transfer during the movement of drops. p.844.
Bogatykh, S.A. - Processes of regeneration of moisture absorbents in a cyclone-froth apparatus. p.851.
Zhukov, A.I., Markova, V.M., Pavlinov, R.V. - Sorption of pyridine by carboxylic resins. p.860.
Lur'e, IU.IU., Krasnov, B.P. - Sorption of phenols by anion exchangers of medium and high basicity from dilute solutions. p.864.

Kogan, L.M., Burmakin, N.M. - Certain regularities of the reaction by which hexachlorocyclopentadiene is obtained from polychlorocyclopentanes. p.860.
Sabaev, I.IA., Shokin, I.N., Krasheninnikov, S.A. - Extraction of phosphoric acid by n-butyl and isoamyl alcohols. p.874.
Abozin, V.G., Karpov, V.V. - Methods of investigating the acid-base characteristics of vat acids of indigo and thioindigo. p.880.

Molchanov, V.S., Makarova, T.M. - Effect of lanthanum and zirconium on the alkali resistance of silicate glasses. p.886.
Pronkin, A.A. - Transport number of sodium ions in aluminosilicate glasses. p.887.
Markuzin, N.P., Shreiner, L.S. - Liquid- liquid - vapor equilibrium in the system Propyl alcohol - diphenyl oxide - water at 25°. p.888.
Khan, O.A., Sosnovskii, G.N. - Cataphoretic migration of PbO_2 particles in a sulfuric acid solution of cadmium. p.890.
Kafarov, V.V. - Concerning V.M.Ramma and A.IU. Zakgeim's reply. p.892.
Lou IUn'-shen [Lou Yün-shêng], Kuzin, I.A., Semushin, A.M. - Study of the radiation stability of some monofunctional anion exchangers. p.893.
Gleim, V.G., Lavrova, E.M. - Process of the boiling of solutions containing macromolecular substances. p.896.
Pinaev, V.A. - Stabilization of magnesium sulfite hexahydrate crystals by inhibiting additions of p-phenylenediamine. p.898.
Gorodyskii, A.V., Bykova, M.I. - Electrolytic cadmium plating from fused salts. p.899.
Afanas'ev, A.S., Malysheva, T.V. - Pickling rate of steel cleaned and coated with oxide layers. p.901.
Balashova, N.A., Kabanov, B.N., Kovba, L.D. - Lead transfer in a positive electrode of a lead accumulator. p.906.
Rozenberg, B.A., and others. - Increasing the stability of foams used for dust suppression in coal mines. p.908.
Fraiman, R.S. - Design of reactors for the synthesis of methylchlorosilanes taking the kinetic factors into account. p.911.
Goncharenko, A.S. - Study of the cathodic deposit formed in the electrolysis of molybdate aqueous solutions. p.915.
Satchinkin, A.P., Karandasheva, R.A., Gladkovskaia, A.A. - Use of ion-exchange resins for the purification of pyromucic acid. p.917.
Kirillova, G.N., Radchenko, G.O. - Interaction of cellulose with diketone. p.918.
Motsarev, G.V., Rozenberg, V.R. - Initiation of the reaction of chlorination of methylchlorosilanes with acetylcyclohexylsulfonyl peroxide. p.920.
Ermakova, A., Morozov, N.G. - Absorption method of separating methylchlorosilanes and the recovery of unreacted methyl chloride in the process of direct synthesis. p.922.
Martynova, K.S., Timbekov, E.Kh., Sadykov, A.S. - Polarograpic study of some derivatives of anabasine. p.926.
Zavlin, P.M., Sokolovskii, M.A., Tenisheva, R.S. - Interaction of natural rubber with dialkyl phosphites. p.928.
Savkevich, S.S., Shaks, I.A. - Infrared absorption spectra of Baltic amber (succinite). p.930.
Bibliography. p.932.

d. CIVIL & CONSTRUCTION ENGINEERING

AVTOMOBIL'NYE DOROGI [HIGHWAYS]. Issued by Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee of Construction for the Transportation Industry in the U.S.S.R.]. Moscow, vol. 27, no. 3(257), Mar. 1964.

Table of contents translated:
Exemplary maintenance of roads assures their long service. p.1.
Stetsiuk, L.S., Parshin, M.A. - Organize regular inspection of roughness in road surfacing. p.4.
Bagdasarov, S.M., Fainberg, E.S. - Laying a rough coat over worn spots in asphalt concrete surfacing. p.5.
Gorelyshev, N.V., Lobzova, K.IA. - Some results of experimental rough surfacing. p.7.
Skoparov, I.IA. - In the forefront of the group. p.10.
Igolkin, N.I. - Improving maintenance service. p.11.
Zakrevskii, T. - Local road surfacing from granulated blast-furnace slag. p.12.
Gavrilov, I. - Flaws that had been brought to light have been eliminated. p.13.
Gennikh, M.E. - Radar on automobile roads. p.14.
Pankrat'ev, IU.N., Serdiukov, V.M. - Use of the SD-1 stereograph for designing roads. p.15, 18
Matveev, M.A. - Hydrated soluble glass in road construction. p.17.
Kuzovshikov, N.I., Kremenets, IU.A. - Technological and economic efficiency of major repairs on mountain roads. p.19.
Kodua, A. - Some changes in road signs. p.20.
Bychkov, A.M., Ovanesian, A.A. - Automobile passenger and service stations of vibrated and rolled reinforced concrete. p.21.
Stukolkin, N. - More on advantages of a territorial system. p.22.
Stepuro, N.T., and others. - Surfacing with precast concrete. p.23.
Vasil'ev, A.A. - New machinery for laying road foundations and surfaces. p.25.
Korsunskii, M.B. - Extending the testing period for top dressing. p.28.
Golubkov, N. - Preventing and eliminating swellings in roads. p.30.
Brief news of roads. p.31.
Sheliubskii, B.V. - Seminar for Crimean mechanics. p.31, p.3 of cover.
Literature for road construction workers published in 1964. p.32-p.3 of cover.
Just published. p.3 of cover.
Letter to the editor. p.3 of cover.

BIULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING]. Published by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 20, no. 11, Nov. 1963.

Table of contents translated:
Improving designs in the area of civil engineering, planning and construction of cities. p.1.
Plan of basic regulations on the economic basis of the construction and design features of industrial projects. p.5.
New chapters on Construction specifications and regulations:
Railroads with 1524mm tracks for industrial enterprises. Design specifications. p.7.
General networks of automobile roads of the U.S.S.R. Design specifications. p.8.
Streetcar routes with 1524mm tracks. Regulations for the construction work organization, execution of work and the acceptance of completed work. p.10.
Apartment and public complexes, buildings and structures. Regulations for the construction work organization and the acceptance of completed work. p.10.
Designing built-up roofs for buildings of industrial enterprises. p.12.
New standard document on signs and norms of the corrosive action of water on reinforced concrete and concrete structures. p.15.
New state standards:
Building tool. Bucket for plaster. p.16.
Building tool. Plumbs. p.17.
Building tool. Polishers. p.18.
Wooden plane strips. p.19.
Batch-type gravitational concrete mixers. p.20.
Lamps for apartment house and auxiliary space. p.21.
Earthenware and semiporcelain sanitary wares. p.22.
Extension of the working duration of All-Union State Standard 5643-60. p.24.
Additions to "Instructions for the development of designs and estimates for industrial construction." p.24.
Precast reinforced concrete impenetrable channels. p.25.
Controlling the quality and keeping records of crushed stone (gravel) and lime. p.27.
Temporary method of calculating the dispersion of discharge in the atmosphere. p.29.
Burmistenko, N.A. - Perfecting planning and organization of design work in industrial construction. p.32.
In the State Committee on Construction of the Council of Ministers of the U.S.S.R. p.36.
In the State Committee on Construction of the Union Republics. p.37.
Drukov, A.T. - Executing the plan for research work and introduction of the achievements of science and technology into construction and the building materials industry. p.38.
In research institutes:
Kosytsyn, B.A. - Progressive structural elements. p.40.
Shestopal, N.M. - Development of standard materials according to the organization and mechanization of construction. p.42.
In the design institutes:
Mokhov, I.I. - Automatically controlled cement storage near tracks. p.43.
Averbakh, M.E., Nekrasov, B.M. - Precast dismountable granary with a pneumatic structure frame. p.44.
Metonidze, V.M. - Results of designing cotton growing state farms in the Golodnaya Steppe. p.45.
In the Main Administration of State Consultation:
Popovich, V.V. - Design of continuous coking plant. p.46.
Kishchik, P.I. - Construction of metallurgical plants for continuous operation. p.46.

Vol. 21, no. 2, Feb. 1964.

Table of contents translated:
Approval of the plan for fulfilling the decisions of the December (1963) Plenum of the Central Committee of the CPSU. p.1.
Plan for research work and the [illegible] of the achievements of science and [illegible] construction and the building materials [illegible] 1964-1965. p.3.
Plan for the revision of the present and [illegible] of new state standards and specifications [illegible] tural designs and the carrying [illegible] work during 1964-1965. p.5.
Plan for overall mechanization of [illegible] bling work. p.10.
Improving structural designs of [illegible] abroad with the technical assistance [illegible] Union. p.13.
Instruction on the anticorrosive protection of structural elements of industrial buildings [illegible] prises handling aggressive media. p.14.
Improve the corrosion control of [illegible]. p.15.
Instructions for [illegible] the use of plastics in the construction of production and auxiliary buildings and structures of industrial and agricultural enterprises. p.17.
Construction of standard buildings for [illegible] serving public needs. p.2[illegible].
Recommendations of [illegible] of plants for the metallurgical industry. p.2[illegible].
New chapters on Construction Specifications and Regulations:
General-purpose roads and [illegible] Design specifications. p.2[illegible].
Corrections to chapters SNiP I-V, [illegible] 2-62. p.28.
New State Standards.
Concrete and reinforced concrete [illegible] pipes. p.30.
Concrete curbstones. p.31.
Paint sprayers. p.3[illegible].
Change in the All-Union State Standard [illegible] "Curbstones made of rock." p.29.
New asbestos cement tiles for roofs of [illegible] buildings. p.30.
Fiber-particle boards. p.30.
In the State Committee on Construction of the Council of Ministers of the U.S.S.R. p.3[illegible].
In the State Committees on Construction of the Union Republics. p.33.
In research institutes:
Calculation for the [illegible] of single [illegible] walls against air [illegible]. p.34.
Agaal, I.N. - Work of the Institute of [illegible] perimental Design [illegible]. p.36.
In design institutes:
Tarasov, V.M., [illegible] - [illegible] tions of foundations [illegible] Dubrovskii, V.S., [illegible] structions for [illegible] tion" in drawings and designs for [illegible]. p.38.
Porozhenko, [illegible] - [illegible] reinforced concrete and [illegible] for large-panel buildings. p.39.
[illegible] - Engineering equipment of [illegible] ments on state and collective farms. p.40.
[illegible], A.N. - Manual for planning state and collective farm settlements. p.40.
Use of glass reinforced plastics. p.41.
Kozlov, N.V. - Products from building glass. p.41.
Markus, I.A., Andreev, V.N. - Standard designs for apartment houses in the city of Vladivostok. p.41.
In the Main Administration of State [illegible]:
Kadysheva, E.A. - Design for the construction of a petrochemical plant. p.42.

DNEPROPETROVSK. INZHENERNO-STROITEL'NYI INSTITUT. Sbornik nauchnykh trudov [CIVIL ENGINEERING INSTITUTE. Papers]. No. 21, 1962.

Table of contents translated:
Tkachev, S.M. - Some problems in the kinematics and dynamics of mechanisms with gaps. p.3
Migal', V.S. - Phase commutation. p.3[illegible]
Torchinskii, V.T. - Effect of road roughness on road resistance. p.57.
Torchinskii, V.T. - Effect of pavement roughness on the safe driving speed. p.6[illegible].

KUCHINO. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'NOI KERAMIKI. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF CONSTRUCTION CERAMICS. Transactions]. No. 19, 1962.

Table of contents translated:
Fedorova, T.Kh. - The possibility of using Nizhne-Uvel'skaya clay for the production of sanitary-construction wares. p.3.
Shutkin, L.F., Il'[illegible], A.B., [illegible] - Rapid firing of tiles produced by the casting method. p.16.
Delostotskaia, N.S. - Application of the vapor centrifuge dispersion analysis for investigating clay and kaolin fractions of less than 1μ. p.23.
Smirnova, K.A. - Leadless, colorless raw glaze on a soluble glass base. p.3[illegible].

Smirnova, K.A., Rybakova, Z.S. - Ceramic cores for modeling oil-bearing layers. p. 36.
Pavlov, V.F. - Some problems in evaluating clays for the production of keramzit. p. 43.
Kondrashev, F.V., Popil'skii, R.IA. - Pressing in air and elastic expansion during the compression of lean coarse-grained ceramic bodies. p. 54.
Fedorova, T.Kh., Kviatkovskaia, K.K., Safronova Z.N. - Using the SM-462 conveyor for casting wash basins at the Lobnia Plant. p. 66.
Belopol'skii, M.S. - Method of determining the optimal drying conditions of ceramic blocks and the design of the drying kiln. p. 75.
Nekrashevich, G.A. - Electrostatic separation of feldspars. p. 92.

LENINGRAD. GOSUDARSTVENNYI VSESOIUZNYI INSTITUT PO PROEKTIROVANIIU I NAUCHNO-ISSLEDOVATEL'SKIM RABOTAM TSEMENTNOI PROMYSHLENNOSTI. Trudy [STATE ALL-UNION INSTITUTE FOR PLANNING AND SCIENTIFIC RESEARCH IN THE CEMENT INDUSTRY. Transactions]. No. 26, 1963.

Table of contents translated:
Okorokov, S.D., Volkonskii, B.V., Sataikina, M.A. - Study of the formation process of anhydrous calcium aluminate sulfate with the aid of the ionizing high-temperature X-ray installation. p. 3.
Sychev, M.M., Astakhova, M.A. - Burning mixes containing coarse-grained quartz. p. 19.
Kogan, L.S., Gol'dshtein, L.IA. - Characteristics of preparing mixes during the production of fuel clinkers on the mineral part of Baltic Sea Region oil shale. p. 29.
Bogdanova, I.B., Peresypkina, T.G. - Control of the quantity of cement additions. p. 45.
Voronova, N.A., Fedorova, S.A., Tkach, N.T. - Cast iron with bainite structure for making cylindrical pebbles. p. 54.
Tkachev, V.V., and others. - Classification of cylindrical pebbles in tube mills. p. 63.
Tovarov, V.V., Oskalenko, G.N. - Study of grinding in a centrifugal rotary mill. p. 75.
Roiark, D.A. - Method of superposition in the theory of cylindrical shells as applicable to the calculation of the housing and lining of rotary kilns. p. 95.
Gol'dshtein, L.IA., and others. - Determining the viscosity of cement raw material mixtures in a pyro-plastic state. p. 130.
Il'ina, N.V., Skablo, L.I. - Refractory concrete on silicate binding materials. p. 143.
Rushchuk, G.M., Shteiert, N.P., Egorova, E.G. - New standard for the physical and mechanical testing of cement. p. 162.
Rozenberg, V.I., Starostin, N.V. - Extension of Fick's equation in case of thermal diffusion. p. 193.
Kurganov, N.N., Fedulova, V.V. - Possibility of producing high-quality cement from alkaline raw material. p. 196.

LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Sbornik nauchnykh trudov [CIVIL ENGINEERING INSTITUTE. Papers]. No. 22, 1955.

Table of contents translated:
Preface. p. 3.
Davidson, A.G. - Problems of the continuous manufacture of concrete mix. p. 3.
Karmishenskii, A.N., Smirnov, A.E. - Using the capacity of bar bender for bending steel reinforcements. p. 19.
Bal'ian, S.V. - Main trends in the present-day development of thermal electric power. p. 25.
Rainus, O.S. - Chromium-molybdenum steel for molded casting. p. 36.
Gorfman, A.I. - Examining an instrument for measuring heavy direct current and high-tension direct current. p. 45.
Belitskaia, M.S., and others. - Metering current and tension in systems feeding the electric drives of construction machinery. p. 54.
Livshits, I.E. - Theorem of additional acceleration. p. 71.
Oznobishin, N.V. - Introducing cutting tools with ceramic bits at the Roshal Machine Construction Plant. p. 82.

LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Sbornik trudov [CIVIL ENGINEERING INSTITUTE. Papers]. No. 41, 1962. Issledovaniia po sooruzheniiu i ekspluatatsii asbestotsementnykh truboprovodov [Studies in the construction and operation of asbestos-cement pipelines].

Table of contents translated:
Preger, E.A. - Inspection of systems constructed of asbestos-cement pipes. p. 7.
Korablev, A.I. - Hydraulic resistance of asbestos-cement pipes in pressure sewage flow. p. 12.
Preger, E.A. - Survey and analysis of butt joints of asbestos-cement pipes. p. 26.
Fedorov, P.I. - Joining asbestos-cement pipes with the help of unions with self-sealing sleeves. p. 69.
Preger, E.A., Fedorov, P.I. - The new standard for asbestos-cement pipes. p. 83.

MEKHANIZATSIIA STROITEL'STVA [MECHANIZATION OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Construction Industry]. Moscow, vol. 21, no. 4, Apr. 1964.

Table of contents translated:
Prikhozhan, A.A., and others. - Improving the precision in the operation of assembling machinery. p. 2 of cover.
Pful', B.E. - Mechanized light equipment in the Main Administration for Housing and Public Construction in the City of Moscow. p. 3.
Khlusov, A.E. - Machinery testing stations. p. 7.
Kop'ev, S.I. - Mechanizing the enrichment of aggregates of different strength. p. 8.
Aptekman, I.B. - Overall mechanization of the removal of building-material wastes. p. 12.
Pribyl'skii, M.P. - Interchangeable equipment for the DTT-40 tractor having a jib for loading lumber. p. 14.
Kozlov, V.V., Prytkov, L.N., Alekseeva, V.V. - Eliminating some defects in the SM-806 mixing machine. p. 15.
Zubov, V.V. - Pneumatic conveying of cement. p. 16.
Sinev, O.V. - Using construction equipment in the Main Administration for Housing and Public Construction in the City of Moscow. p. 17.
Filatov, N.V. - Cutting and burning holes in concrete by high-speed flame. p. 19.
Abezgauz, V.D., Spivakov, F.P. - Quarrying building stone by stone-cutting machinery. p. 21.
TSyro, V.V., Komarov, V.E. - Determining the level of the mechanization of labor in the construction industry. p. 22.
Petrun'kin, L.P., Gol'dshtein, B.G. - New depth vibrators for compacting concrete. p. 24.
Kotliar, E.P., Tarnavskii, G.S., Shabel', V.V. - The UM-1 all-purpose machine. p. 28.
Polianskii, S.N. - Excavator shovels of a new design. p. 31.
International exhibition of construction and road equipment in Moscow. p. 31.
From the pages of Soviet journals. p. 32.
From the pages of foreign journals. p. 3 of cover.

Vol. 21, no. 5, May 1964.
Table of contents translated:
Koslov, N.IA. - New model of the BPS-6 continuous vibration rolling mill. p. 1.
Lapir, F.A., Kudrin, G.V., Korolev, N.E. - Automated lines for the manufacture of reinforced concrete slabs. p. 5.
Potievannyi, V.E. - Increasing the productive capacity of a plant manufacturing elements for large-panel apartment houses. p. 7.
Aksel'rod, E.Z., Kotliar, N.L., Uritskii, L.S. - Mechanizing the manufacture and erection of roofs of industrial buildings. p. 9.
Alekhin, V.K. - Mechanizing the manufacture of reinforcing cases for reinforced concrete pipes and suckers. p. 13.
Alekhin, V.K. - Mechanizing the manufacture of reinforcing wire cables. p. 15.
Karpukhov, B.I. - Automation of the moist thermal curing of reinforced concrete pipes. p. 17.
Krichevets, V.I., Rozenfel'd, V.S. - Device for automating the moist thermal curing of reinforced concrete products. p. 19.
Brodskii, V.P. - Automatic proportioning device for concrete mix. p. 22.
Teslia, V.A. - Manufacturing precast elements for large-panel apartment houses at the Kemerovo Housing Construction Combine. p. 24.
Levinskii, A.M. - SM-847 vibration rolling segmental mill for manufacturing reinforced concrete products. p. 24.
Levinskii, A.M. - The V.N.Kolesnikov electrovibration stand. p. 26.
Levinskii, A.M. - Machine for cutting grooves, bosses, and face of blocks. p. 27.
Sergeev, V.P. - Training of engineers to automate the construction industry. p. 27.
Central Asian Conference of Mechanizers of the Construction Industry. p. 28.
Through the pages of Soviet magazines. p. 31.
Through the pages of foreign magazines. p. 32.

MONTAZHNYE I SPETSIAL'NYE RABOTY V STROITEL'STVE [ASSEMBLY AND SPECIALIZED OPERATIONS IN CONSTRUCTION]. Organ of Gosudarstvennyi proizvodstvennyi komitet po montazhnym i spetsial'nym stroitel'nym rabotam SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Production Committee for Assembly and Specialized Operations in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 26, no. 4, Apr. 1964.

Table of contents translated:
Lykov, I.V. - Possibilities of reducing the time required for assembly work. p. 1.
Popovskii, B.V., Linevich, G.V., Shavkuta, A.D. - Assembling reservoirs with a capacity of 10,000 m^3. for nitrogen fertilizer plants. p. 3.
Lebedev, B.F. - Simplified methods of electric slag welding. p. 7.
Sen'ko, V.V. - Erecting high-level apparatus with the aid of a swinging gantry. p. 10.
Mal'tsov, I.A., Medvedev, I.F. - Erecting a 235 m. radio mast. p. 11.
Plakhov, G.I., Ratner, V.M. - Demolishing the upper part of a smokestack by blasting. p. 13.
Slonimer, B.M. - Assembling pipes made of "sitall" (crystallized glass). p. 15.
Margulis, L.I., Bel'man, B.M. - A.E.Matorov's brigade of communist labor. p. 16.
Karakashian, A.A., Karpushin, I.A. - Calculating labor productivity in real terms. p. 18.
Babich, V.V. - Controlling welded joints by the ultrasonic method. p. 22.
Drugov, L.I. - Erecting reinforced concrete beams for roofs by means of a bridge crane. p. 23.
Zharikov, V.I. - Mechanized assembly line for zinc plating hardware. p. 23.
Itsigson, R.L. - Sulfur sealing of joints of cast-iron sewer pipes. p. 25.
Orlov, V.M. - Mechanisms for treating and welding pipes. p. 27.
Large-span cupola building. p. 29.
Covered stadium in Innsbruck. p. 29.
Tower crane with aluminum jib. p. 29.
Rabinovich, S.S. - All-Union public inspection of the quality of construction and the competition for best building according to standard designs. p. 30.
In the State Committee for Assembly and Specialized Operations in the U.S.S.R. p. 31.
Bibliography. p. 3 of cover.

NOVAIA TEKHNIKA ZHILISHCHNO-KOMMUNAL'NOGO KHOZIAISTVA: GORODSKOE DOROZHNO-MOSTOVOE KHOZIAISTVO I TRANSPORT [NEW TECHNOLOGY FOR HOUSING AND COMMUNAL SERVICES: URBAN ROAD AND BRIDGE ECONOMY AND TRANSPORTATION]. Issued by Tekhnicheskoe upravlenie Ministerstva kommunal'nogo khoziaistva RSFSR [Technical Department of the Ministry of Communal Economy of the R.S.F.S.R.]. Moscow, no. 2, 1963.

Table of contents translated:
Preface. p. 3.
Gurevich, L.V., Soskin, G.M. - Precast street and sidewalk pavement. p. 5.
Gurevich, L.V., Gurfink, T.Sh., Soskin, G.M. - Landscaping and problems in designing city streets. p. 9.
Kurshev, M.A. - Transportation arterial highways in American cities. p. 12.
Kurshev, M.A. - Present-day methods of regulating city transportation traffic in foreign countries. p. 21.
Fain, A.G. - Electronic control of automobile traffic. p. 29.
IAkovlev, A.I., Tiurin, V.P. - Dynamic indices of new types of streetcars. p. 31.
Kapeller, G.V. - Linked trolleybus manufactured by the SVARZ Plant. p. 47.
Belilovskaia, K.I., Naumenko, V.S. - Comprehensive mechanization of the operations in laying streetcar tracks and making major repairs on them. p. 64.
Finkel'shtein, B.S. - Automating mercury-arc rectifier aggregates with soldered rectifiers at traction substations in urban electric transportation. p. 78.
Ivin, K.V. - Emergency loading at supports of the contact networks. p. 92.
Aksenov, M.I., IAkovlev, A.I. - Interurban trolleybus transportation in the Crimea. p. 100.
Galonen, IU.M. - Moving sidewalks. p. 116.
Fain, A.G. - Monorail in Turin. p. 129.
Fain, A.G. - Linked subway cars. p. 130.
Bibliographical information about technological literature. p. 132.

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo okhrany obshchestvennogo poriadka RSFSR [Ministry for the Protection of Public Order of the R.S.F.S.R.]. Moscow, no. 3, Mar. 1964.
Table of contents translated:
Road of abundance. p. 1.
Zemskii, M. - Development of chemistry and fire prevention. p. 2.
New conditions, new tasks. p. 4.
Zagorovskii, L. - Spring tasks and worries. p. 7.
About good people. p. 9.
Kovalenko, A. - Decisions are made by the active members of the party. p. 12.

B 164

[illegible], N. - In the collective farm "Rossiia." p. 12.
[illegible], V. - Day and night. p. 13.
[illegible], I. - The red banner of the District. p. 14.
[illegible], M. - The unit will be an excellent one. p. 1[illegible].
[illegible], I. - In the settlements. p. 17.
[illegible] of firemen appear on the big [illegible] p. 1[illegible].
[illegible] of firemen satire. p. 20.
[illegible], N. - Use plastics in fire department equipment. p. 21.
[illegible], A. - Emergency exits for the evacuation [illegible] buildings. p. 22.
[illegible], A. - Mobile air-foam apparatus. p. 23.
[illegible], N. - For the safe return of the ships.... p. 24.
[illegible], M. - Comrades of arms. p. 27.
[illegible], V., Vyborov, V. - Ways to prevent the fire hazards of feed grinders. p. 28.
Our [illegible] p. 29.
In foreign countries. p. 31.
Readers' letters. p. 32.

No. 4, Apr. 1964.
Table of contents translated:
Triumph of Lenin's ideas. p. 1.
[illegible], D. - Decree tested by time. p. 4.
[illegible], A., Lempert, M. - Fight for the grain. p. 5.
[illegible], A. - Costs of a confusion. p. 11.
[illegible], S. - Test of willpower. p. 11.
[illegible], A., [illegible], A. - Communism characteristics are being shaped today. 12.
[illegible], S. - The Club fight the flames. p. 13.
[illegible] p. 15.
[illegible], P. - About friends and comrades, about battles and fires.... p. 17.
[illegible], M. - Ahead toward new achievements, Russia's [illegible]. p. 19.
[illegible], M. - In first-class health. p. 20.
[illegible], I., Rassadkin, I. - Waterproofing of concrete reservoirs. p. 21.
[illegible], A. - Fire prevention section continues its [illegible]. p. 23.
[illegible], V. - High-pressure pump. p. 24.
[illegible], V. - System tested in Novosibirsk. p. 25.
[illegible], I. - For better work. p. 26.
Shachko, A. - Always together. p. 23.
[illegible], P. - Another victory: story. p. 28.
Readers' letters. p. 30.
In foreign countries. p. 31.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 41, no. 12, Dec. 1963.
Table of contents translated:
Basilov, D.P. - Improve the planning of capital construction and preparation of title records of construction projects. p. 2.
Grechushnikov, E.A. - Industrial districts must be planned comprehensively. p. 4.
Baguzov, N.P., Kornilov, N.V. - Unified standard sections and standard spans for industrial construction. p. 6.
Kuz'menko, D.E. - An oxygen-blown converter plant can be built faster. p. 12.
Afanas'ev, I.A., Piatkovskii, A.G., Dzemit, K. - From the experience in constructing a new shop of a by-product coke plant. p. 16.
Mel'nikov, N.P. - Designing the main building of a powerful oxygen-blown converter plant. p. 19.
Chernobai, S.G. - New type of electrolysis department of an aluminum plant. p. 22.
Hovenskii, S.IA. - Quality of industrial construction. p. 25.
Beliaev, B.I. - Reasons for the breakdown of the transporting trestle at the Soligorsk potassium combine. p. 27.
Alekseev, S.N., Liakhovich, I.A., Serkova, Z.V. - Using KAP mesh reinforced foam concrete slabs as coverings. p. 30.
Zybin, IU.I., Solov'ev, F.A. - Assembly of cylindrical sunk wells made of precast reinforced concrete. p. 32.
Fridkin, A.IA. - Designing and erecting sunk wells of large diameters. p. 34.
Spengler, I.E. - Some problems in the design, assembly, and operation of steel crane girders under heavy operating conditions. p. 37.
Khablov, V.S. - Effective use of hydraulic machinery in industrial construction. p. 40.
Fedorova, N.IA. - Deformations of buildings on heaving soils undergoing deep seasonal freezing. p. 42.
Index to articles published in "Promyshlennoe stroitel'stvo" in 1963. p. 44.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963]

SIL'S'KE BUDIVNYTSTVO [RURAL CONSTRUCTION]. Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv Ukrains'koi RSR [Ministry of Production and Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 1, Jan. 1963.
Table of contents translated:
For the correct organization of material and technical supply to interfarm construction organizations. p. 1.
Avksent'iev, A., Baranovskyi, V. - We are using industrial methods in construction. p. 3.
Velyka, Z., Huryn, I. - Cowsheds with stationary feed dispensers. p. 5.
Fohel', H. - Precast concrete watering troughs with pipeless automatic water supply. p. 6.
Starchykov, L., Osadchuk, IE. - Apartment houses made of large wall blocks. p. 8.
Teseniuk, K. - Arched buildings with mastic roofs. p. 9.
Kvasnyts'kyi, O - Stations for artificial insemination of pigs. p. 10.
Boiko, V. - Delivery of new buildings with the appraisal of "excellent." p. 12
Contest for the best roof. p. 12.
Sokolov, V. - Construction of local roads in rural regions. p. 13.
Chubariev, F. - Designing canning factories for collective farms. p. 15.
How to calculate transportation of lumber materials. p. 17.
IEltyshev, V. - Production of heat insulating slabs for combination coverings. p. 18.
How to improve the performance of ring kilns. p. 20.
Lolevs'kyi, IA. - Prepare in advance for the reconstruction of seasonal enterprises. p. 21.
New developments in the production of building materials and equipment. p. 22.
New standard designs of farm buildings. p. 23.
In the State Committee on Construction of the Ukrainian Soviet Socialist Republic. p. 24.

Vol. 13, no. 4, Apr. 1963.
Table of contents translated:
Editorial: For a higher technical standard of rural construction and effectiveness of capital investments. p. 1.
Shyshlakov, M. - Commercial dairy farm with a new method of housing cattle. p. 3.
Rubanov, H., Knurenko, B. - The "KDU-6" on the "Peremozhets'" State Farm. p. 5.
Koshyts', IU. - Construction and equipment for summer housing of cattle. p. 7.
Plakhotniuk, B. - Workshop for producing feeds from corncob cuttings. p. 10.
Korol', I., Svitko, V. - Standard designs for institutions of preschool education in rural areas. p. 12.
Sidak, V. - Rural construction is ensured by high quality documentation. p. 16.
Naid'on, F. - In five year's time. p. 17.
Hlukhovs'kyi, V. - Soil silica are universal building materials. p. 18.
Bakhmuts'kyi, K. - For high-quality bricks. p. 20.
Winners in socialist competition. p. 21.
Ukrainian conference on rural construction. p. 22.
Semenko, H. - Wasted efforts. p. 23.
New standard designs of farm buildings. p. 24.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'nyi komitet Profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 10, nos. 5-6, May-June 1964.

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 9, no. 8, Aug. 1963.
Table of contents translated:
Grishmanov, I.A. - Reach the level of the growing demands of the national economy. p. 1.
Popov, N.A., Ivanov, I.A. - Efficient means of the overall utilization of ash from electric power plants. p. 5.
Efimova, E.P. - Means of lowering the cost of manufacturing asbestos cement products. p. 8.
Eremenko, V.V., Vrublevskii, L.E., Bezverkhii, A.A. - Overall use of clay shage from Western Siberia for the production of porous aggregates. p. 10.
Kalinin, IU.K. - Schungite-containing shales as raw materials for the production of porous aggregates. p. 12.
Lebedev, V.P., Berezin, D.V. - Production of high pressure pipes from concrete on carbonate aggregates. p. 14.
Volkvadze, L.S., Dzhaparidze, A.G. - Coarse-grained autoclaved concrete from burnt rock. p. 16.
Spesivtsev, IU.A. - Production of local binding material from dust from rotary kiln electrostatic precipitators. p. 18.
Boroditskaia, R.M., Zhudov, V.F., Popov, V.V. - Using slag binding material in the production of products for large panel-type apartment house construction. p. 20.
Nikiforov, V.A. - Automation of thermal moist-curing of products in a steam chamber. p. 21.
Grezin, V.M. - AG-4S glass reinforced plastic. p. 22.
Rova, I.L. - Increasing the durability of sectors of refiners. p. 23.
Sukharov, M.F., Maizel', I.L. - Fire resistant perlite concrete. p. 24.
Mandrukova, V.I. - Molding polyvinyl chloride building fittings. p. 27.
Zarubitskii, A.E., Borisov, I.L. - Possibility of producing slabs from oil coumarone resins. p. 29.
Rogovoi, M.I. - Scientific principles of producing frost resistant wall materials. p. 29.
Povzner, R.L. - Handbook on the production of building ceramics. p. 29.
Let us extend the practices of progressive enterprises of the asbestos cement industry. p. 31.
Krzheminskii, S.A. - Important problems concerning the development of the industry of large-scale elements and details from cementless concrete. p. 33.
Pechuro, S.S. - Seminar on the use of gypsum in construction. p. 34.
On the stands of the "Building Materials" pavilion. p. 35.
Bulanov, IU.D., Butkovich, G.R. - Conveying in open-cut mining of rock products abroad. p. 36.
Dzhabarov, N., Zlatanov, V. - Effect of gypsum on the strength of silicate products. p. 39.
Popov, V.D., Miroshnichenko, M.M. - Experience in the use of nappy nylon cloth in the production of asbestos cement products in the United States. pp. 40, 3 of cover.

Vol. 10, no. 1, Jan. 1964.
Table of contents translated:
All efforts should go into fulfilling the decisions of the December Plenum of the Central Committee of the CPSU. p. 1.
Skramtaev, B.G. - Urgent problems of the chemicalization of production. p. 3.
Kozel'tsev, L.I. - Resins from waste from the chemical industry for making chip slabs and other materials. p. 7.
Al'perin, V.I. - Requirements for the optical characteristics of polyester resins. p. 8.
Khrulev, V.M. - Characteristics of gluing foam plastics. p. 8.
Lapitskii, V.A. - Slag plastics and products made from them. p. 9.
Spektor, E.M. - Gluing compound made of bitumen modified with rubber. p. 10.
San'ko, L.IA. - From the pages of the plan for introducing new building practices. p. 10.
Kibrik, A.M., Panov, S.A. - Planning the delivery of rock aggregates with the aid of electronic calculating machines. p. 12.
Volzhenskii, A.V., Pechuro, S.S. - Requirements of industrial construction and the gypsum industry. p. 15.
Brainina, E.IU. - Determining the thermophysical characteristics of materials. p. 19.
Vladimirov, V.A. - SM 808A unit goes into operation. p. 20.
Iotautas, K.P. - Experience in the production of slate from sand cement. p. 21.
Batshev, S.M., Chernikov, M.G. - Automated continuous line for the manufacture of mineral wool products. p. 23.
Antipashin, N.M., and others. - Preparation of fine natural sand. p. 25.
Kivrin, S.A. - SM-1004 installation for automatic unloading and stacking of gypsum plaster board sheets. p. 27.
Akhundov, I.A. - Transportation of building stone. p. 29.
Rudzit, A.A. - Improvement in the design of the DI-1200 scales. p. 30.
Mironov, A., and others. - Electric curing of light concrete with a slag binding material. p. 31.
Berkovich, V.A., Nichikov, M.M. - Granular composition of crushed rock products. p. 34.
Plan for the automatic feeding of sheet metal working machinery. p. 35.
Batrakov, B.G. - Water repellant coatings used in construction. p. 36.

Mochalov, A.N. - Kilning fine lime in a shaft kiln. p.37.
Fedoseev, A.D. - International forum for the study of clay held in Stockholm. p.38.
At the stands of the pavilion "Building materials and structural elements." p.39.

Vol.10, no.4, Apr. 1964.

Table of contents translated:

Knigina, G.I. - Waterproofing of cellular concrete with polymer still residues. p.1.
Numerov, N.V. - "Ramzalit" particle-fiber boards. p.2.
Irtuganova, S.Kh., Kozel'tsev, L.I. - Synthetic resins for particle boards made of waste materials from phenol-acetone production. p.4.
Kosogov, A.M., Dribinskii, M.A., Rebortovich, I.S. - Builders speak of polymer materials. p.5.
Spirin, IU.L. - Increasing the elasticity of mineral fibers. p.7.
Maizel', I.L. - Lightweight heat-resistant acidproof perlite concrete. p.8.
Volzhenskii, A.V. - Relation of structure and quality of cement stone to its formation and hardening. p.10.
Chudnovskii, D.M., Lukashevich, V.A. - Give priority to advanced and economical materials. p.13.
Madaminov, M.F. - Mechanical properties of "sitall" slag slabs. p.16.
Vul'pe, O.L., Aksel'rod, A.S. - True road of technological progress. p.18.
Makarov, N.V. - Keramzit plant with a double-drum furnace. p.19.
Dolinskii, IU.I. - Facing keramzit-concrete panels with ceramic tiles. p.23.
Semchenko, I.A., Matsina, V.D. - Optimum regime for drying raw materials. p.25.
Khavkin, L.M. - Multistory experimental buildings of lime-concrete elements. p.26.
Sokolov, N.I. - Weight of processed materials, their expansion capacity and the capacity of kilns. p.28.
Rogovoi, M.I. - Relation of kiln productivity to lining surface. p.30.
Dilaktorskii, N.L., Galibina, E.A., Kremerman, T.B. - Phase composition of shale ash and its effect on the physical and chemical processes under normal hardening conditions. p.31.
Khundadze, L.P., Kutateladze, K.S., Gabadadze, T.G. - Expansible cement on the basis of blast furnace slag. p.34.
Kolker, I.IA. - Keep a good record of the coefficients of the processing of rock materials. p.35.
Bakuta, N.K. - Mechanizing the gathering of shavings in a pipe factory. p.36.
Daniliuk, N.G. - Combined frames for machines making cardboard. p.36.
Budnikov, P.P. - Fundamental work on natural pigments. p.37.
Popov, V.D. - Asbestos reinforced plastics. p.38.
Rublevskaia, M.G. - Use of gypsum in present-day construction in Poland. p.39.
Reznikov, A.L. - Pipes of tarred fiber. p.3 of cover.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee for Transportation Construction in the U.S.S.R.]. Moscow, vol.13, no.11, Nov. 1963.

Table of contents translated:

Editorial: Light of the October Revolution. p.1.
In honor of the 46th anniversary of the Great October. p.3.
Maliuta, V.D. - Construction of a roadbed under a continuous rail track on the Bataysk-Starominskaya line. p.4.
Kuts, A.S. - Laying crossing tracks with four double crossing road switch layouts. p.6.
Shazzo, Kh.IU. - Economy of 25 rail meters in the construction of rail cuts for switch layouts. p.9.
Kachur, S.I. - Technology of producing section I-beam supports for overhead contact systems by the vibratory method. p.10.
Golovan', P.F. - Continuous method of constructing high-voltage signal lines with automatic blocking. p.13.
Kutsenko, V.N. - At the building site of the Kozinsk viaduct. p.15.
Zelevich, P.M., Nikolai, K.V., Pisitsyn, M.E. - Technical instructions for the production and construction of precast reinforced concrete water pipes. p.18.
Karasev, N.F. - Open method of construction used for the Voikovskaya Station. p.21.
Vishniakov, P.T., Pyzhov, M.A., Khomenko, O.E. - Continuous organization of work in the construction of tunnels. p.23.
Bondarevskii, IU.P., Pakhomov, V.G. - Volga-Baltic Sea Waterway. p.26.
Sergeev, A.F. - Transmission of construction skills. p.29.
Mokhov, N.A. - We are increasing the manufacture of supports for overhead contact systems. p.31.
Fokin, V.A. - According to new techniques. p.31.
Subbotin, B.K. - Effect of the conditions of work execution on the construction cost of a roadbed. p.33.
Shul'ga, V.IA. - Technology of laying a continuous track with reinforced concrete cross-ties at new building sites. p.37.
Kornakov, A.M. - Calculation and design of yards of special profile. p.40.
Gorbatov, S.P., Mits, I.S. - Testing pile shells with vertical loading. p.45.
Popov, IU.A. - Thermal conditions of small streams. p.47.
Aminov, E.Kh. - Some technical and economic problems relative to the transition from cutting to tunneling. p.49.
Moskvin, V.M., Batrakov, V.G. - Durability of hydraulic concrete with organosilicon additions. p.51.
Mikul'skii, V.G. - Cohesion of cast-in-situ and old concrete in precast slabs undergoing dynamic loads. p.53.
Nemirovskii, E.E. - Automatic control of the leveller as a means for the artificial lengthening of its base. p.55.
Chistiakov, E.A. - Determining flexure of elastic reinforced concrete elements. p.57.
Kondratenko, V.T. - Preparing anaglyphic pictures of phototheodolite prints. p.59.
Popov, A.T. - Machine tool for bonding brake belts. p.60.
Orlov, A.T. - Crucible tilting electric furnace. p.61.
Efficiency experts suggest. p.62.
Abragam, S.R. - Transportation bypasses in Austria. p.63.
Dmitriev, IU.V. - Prestressed concrete cross tie factory in England. p.65.
TSimbarg, I.E. - Construction of a quay in Karachi. p.68.
Bogorodetskii, A.A. - Construction of the first railroad tunnels in Russia. p.70.
Looking through old periodicals. p.71.
Makovskii, V.L., Merinov, I.I. - Necessary and useful textbook. p.73.
We answer questions. p.75.
Lebedev, B.M. - Establish a Construction Trust of the Main Administration for the Construction of Industrial Establishments of the Ministry of the Construction of Transport Installations and Structures and Railroad Feeder Lines. p.75.
Akimov, G.G. - One can not do without this. p.77.
Brief news. p.77.
In memory of A.P. Kulakov. p.79.

*TSEMENT [CEMENT]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.30, no.2, Mar.-Apr. 1964.

Table of contents translated:

Lowering losses in manufacturing. p.1.
Correspondence technological conference on the chemicalization of the manufacturing processes in the cement industry. p.3.
Volkonskii, B.V., Sychev, M.M. - Achievements in the chemistry of cements at the service of technology. p.5.
Kutateladze, K.S., and others. - Increasing the activity of clinkers. p.7.
P'iachev, V.A. - Dependence of the strength of portland-ash cements on the mineral composition of clinkers. p.9.
Perli, S.B., Edel'man, I.E. - Cooling clinkers in recuperators of rotary kilns. p.11.
Il'ina, N.V. - Testing refractory concrete on molten glass in large-diameter kiln. p.12.
Increase the area of cement use in the national economy; a survey of comments received by the editor. p.14.
Sidochenko, I.M., and others. - Introduce the system of the automatic control of clinker firing. p.15.
Petrov, B.A. - Pneumatic method of feeding into a kiln beyond a continuous curtain of dust caught by electric filters. p.17.
Makarov, N.I. - Wet method of retrieving dust in kilns. p.19.
Sen'kovskii, R.B., Vorob'ev, D.A., Kizimov, A.V. - Device for sorting materials being milled. p.20.
Kambulov, V.A. - Great plan of work on removing dust from production processes. p.21.
Grin'ko, I.D. - Improving the maintenance of equipment. p.21.
Through the pages of foreign magazines. p.22.
Technical questions and answers. p.23.
In the State Committee on the Industrialization of Building Materials. p.24.

VLADIVOSTOK. DAL'NEVOSTOCHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU Sbornik nauchnykh rabot [FAR EASTERN SCIENTIFIC RESEARCH INSTITUTE FOR CONSTRUCTION. Papers]. No.3, 1962.

Table of contents translated:

Vasil'ev, E.A. - The development of Vladivostok and present-day problems in city planning. p.3.
Vasil'ev, E.A. - Some problems in the economics of building residential districts. p.15.
Riabov, N.S., Smirnova, G.N. - Maintenance featu of apartment houses built in Vladivostok accordin to a standard economic plan. p.32.
Gorlanov, A.S. - Rigidity and crack resistance of concrete beams with prestressed reinforced wires for roofs of industrial buildings. p.40.
Gorlanov, A.S. - Testing reinforced concrete crane girders. p.49.
Korotkov, V.M. - Vibration system of manufacturing multispan slabs. p.55.
TSvid, A.A. - Measuring precipitation that wets vertical surfaces. p.58.
Gutorova, O.P. - Percentage increases in the basic heat losses by vertical enclosures for the coastal districts of the Maritime Territory. p.66.
TSvid, A.A., Gutorova, O.P. - Characteristics of the climate of the Maritime Territory and accounti for them in the planning of buildings. p.75.
Fedorova, N.IA. - Principles of designing the foundation beds and foundations for low buildings and structures in districts with deep seasonal freezing and extensive permanently frozen ground. p.87.
Stotsenko, A.V. - Building dams across the Bering, Tatar, and other straits. p.94.
Stotsenko, A.V., Chernenko, V.G. - Natural conditions determining the irregularity of the discharge of rivers in the Ussuri Basin and floods caused by them. p.99.
Chernenko, V.G., Klimenkov, A.F. - Prospects for water resources development in the basin of the Amur. p.110.
Piskun, V.M. - Permeability of silty loams of natural stratification. p.123.
Luk'ianchenko, V.D., Gartsman, I.N., Makarova, D.V. - Forecasts of spring ice phenomena in the basin of the Amur. p.135.
Trofimuk, G.I. - Characteristics of the use of alluvial waters of the rivers in the southern part of the Maritime Territory. p.146.
Chernenko, V.G., Mavrina, L.M. - Problems in Calculating evaporation cooling of water in reservoirs in the Far East. p.151.
Oranskii, N.I. - Waterproof rubber-[illegible] plastics. p.162.
Proskurenko, V.G. - Some problems in improving the organizational forms of the construction industry. p.161.

VOPROSY GEOTEKHNIKI [PROBLEMS OF GEOTECHNOLOGY]. Issued by Dnepropetrovskii institut inzhenerov zheleznodorozhnogo transporta and Nauchno-issledovatel'skaia laboratoriia mekhaniki gruntov [Dnepropetrovsk Institute of Railroad Transportation Engineers and the Research Laboratory of Soil Mechanics]. Dnepropetrovsk, no.6, 1962. Opolzni i protivoopolznevye sooruzheniia; mekhanicheskie svoistva gruntov [Landslides, and structures to prevent them; mechanical characteristics of soils].

Table of contents translated:

Gol'dshtein, M.N., Turovskaia, A.IA., Lapidus, L.S. - Investigation of mudflows. p.3.
Shadunts, K.Sh. - Designing buttresses. p.24.
Shlaen, A.G. - Flowing slopes of the Nevinnomyssk Canal. p.43.
Lapidus, L.S., Shadunts, K.Sh. - Using piles for protecting the slopes of loose rock fills. p.48.
Vikharev, V.P. - Resistance to shear of gravelly and clayey ground. p.56.
Vikharev, V.P., Shlaen, A.G. - Study of the stability of Maikop clays. p.74.
Aronov, A.M. - Examination of a roadbed by the dynamic sounding method. p.81.
Gol'dshtein, M.N., Babitskaia, S.S., Misiumskii, V.A. - Method of testing soils for creep and lasting stability. p.93.

VOPROSY GIDROTEKHNIKI [PROBLEMS OF HYDRAULIC ENGINEERING]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no.11, 1963. Gidrotekhnicheskie sooruzheniia [Hydraulic engineering structures].

Table of contents translated:

TSvetkova, N.A. - Technical instructions for filtration calculation of structures in an irrigation network (a draft). p.5.
Timirova, R.V. - Some results of full-scale studies of the Sarykurgan Hydroelectric Power Station on the Sokh River during 1961. p.34.
Efremov, A.V. - Laboratory and full-scale studies of the Kzyl-Orda Hydroelectric Power Station. p.40.

Abagian, V.IA. - Formation of the backed-up race of low-pressure dams after the example of the Kzyl-Orda Hydroelectric Power Station. p.58.

Ivanenko, IU.G. - Calculating the irregular movement of water in prismatic channels with a horizontal bottom. p.62.

Ivanenko, IU.G. - Hydraulic index of channel x. p.67.

Riadova, Z.I. - Water intake unit with "trench" for thermal electric power plants. p.71.

Kosyrev, A.M. - Work production in the strengthening of the upstream slope of the dam of the Tyuyabuguz Reservoir. p.76.

Mil'kis, B.E., Mogil'nikov, L.P., Saatov, M.S. - Evaporation from the surface of the Uch-Kizil Reservoir. p.82.

No.12, 1963. Gidravlika sooruzhenii, volnovye protsessy [Hydraulic structures; wave processes].

Table of contents translated:

Vyzgo, M.S., Kuz'minov, IU.M. - Effect of roughness at the bottom of the water current on the length of the hydraulic jump. p.5.

Kadyrov, A.A. - Stream division for effective extinguishing of excessive energy. p.14.

Keberle, S.I., Perepelkina, V.V. - Siphon spillways for irrigation flumes. p.20.

Seliametov, M.B. - Extinguishing the power of a stream in terminal drops of a pipe irrigation system. p.22.

Vyzgo, M.S., Kravchenko, L.Z. - Examples of the forecasting of local erosion at installations and its verification on the basis of an operational experiment. p.29.

Grinev, E.I., Parenchik, R.I. - Coefficient of the roughness of drain pipes. p.49.

Frolikova, E.IA. - Study and calculation of wind waves in the shallow waters of a coastal area. p.61.

Frolikova, E.IA., Kozhevnikova, M.S. - Supports of upstream slopes of earth dams of water reservoirs in Central Asia. p.68.

Gekhter, L.A. - Wavemeter-wavegraph with a rheostatic pickup. p.80.

Gekhter, L.A., Zakurdaev, A.K. - Design of inductive pickups and measuring networks for them. p.84.

Kozhevnikova, M.S. - Full-scale studies of gravel and sand traps. p.112.

Riadova, Z.I. - Flow over spillways with broad thresholds. p.119.

e. ELECTRICAL ENGINEERING

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut elektroniki, avtomatiki i telemekhaniki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Electronics, and Automatic and Remote Control. Transactions]. Tiflis, vol. 4, 1963.

Table of contents translated:

Algorithm for the machine translation from Russian to Georgian. p.3.

Tamarashvili, L. - Morphological analysis of a machine translation from the Georgian. p.11.

Kakauridze, A.G. - Problems of automatic recognition of speech signals and speech control of machines. p.21.

Vachiberidze, G.D. - Experience in adjusting and checking the performance of an arithmetic operational block. p.45.

Belozerova, L.B. - Experimental system for synthesizing speech fragments. p.51.

Imedadze, V.V., Saakian, E.A., Chakhirov, N.S. - Statistical methods for determining the dynamic characteristics of industrial objects. p.67.

Kalatozishvili, N.I. - Automatic controller with a 24-hour data sheet for regulating the power output of an electric power station. p.75.

Kalatozishvili, N.I., Makharadze, N.G. - Digital metering device for telemetering. p.83.

Kalatozishvili, N.I., Nadiradze, G.I., Megrelishvili, R.P. - Discrete-type telemetering system for complex remote control, distance, signaling, and telemetering apparatus. p.89.

Lelashvili, Sh.G., Khundadze, T.G., TSintsadze, Sh.A. - Magnetic operative memory device and its input system for control computers. p.97.

Surguladze, D.K. - Specialized electronic units of a matrix-type operative magnetic memory device. p.116.

Paliodze, I.P., Minitskaia, I.L. - Linear interpolator in a digital program control system. p.121.

Grigolashvili, D.D. - Dynamic components and some circuits of digital devices. p.129.

Kadzharov, M.V. - Transistorized matching amplifier. p.143.

*AKADEMIIA NAUK SSSR. Izvestiia. Tekhnicheskaia kibernetika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Engineering Cybernetics]. Moscow, no.2, Mar.-Apr. 1964.

Table of contents translated:

Buslenko, N.P., IUrkevich, O.M. - Operation with units in complex systems. p.3.

Kobozev, V.V., Nazarenko, A.I. - Mathematical modeling of the operation of a section mill. p.12.

Feigin, L.I. - Feasibility of processing objects by several machines. p.24.

Brailovskii, V.L. - Algorithm for the recognition of objects with multiple parameters and methods for its application. p.30.

Grigor'ian, IU.G. - Experiments conducted on a digital computer on the recognition of visual objects. p.40.

Levin, I.IA. - Some problems of the theory of image recognition. p.50.

Rakhimov, G.G. - Analogue of Lure's method for analyzing the stability of nonlinear sampled-data control systems. p.56.

Kanarev, L.E. - Synthesis of a control system optimal in respect to time. p.65.

Katkovnik, V.IA. - Generalization on a problem concerning the synthesis of a discrete continuous filter. p.75.

Senin, A.G. - Passage of random signals through a linear dynamic system with distributed parameters. p.81.

Molotkov, G.P. - Conversion of random signals defined by a conic expansion in a discrete system. p.87.

Kuznetsov, IU.K., Sen'chenko, R.P., Chernotskii, V.I. - Algorithm for the determination of optimum parameters of control systems using the gradient method. p.93.

Maksimenko, IU.F. - Some topological techniques in the study of linear structures. p.102.

Gerashchenko, E.I. - Degrees of stability of nonlinear systems in gliding operation. p.114.

Badkov, V.M., Barbashin, E.A. - Method for stabilizing a control system with limited permissible values of control parameters. p.121.

Dudin, E.B. - Switching conditions in composite servo systems with variable structures. p.129.

Emel'ianov, S.V., Utkin, V.I. - Stability of the motion of a certain class of automatic control systems with variable structure. p.140.

Krutova, I.N., Rutkovskii, V.IU. - Adaptive control system with a model. Part 2. p.143.

Vaniurikhin, G.I. - Design of automatic control systems with nonstationary links. p.153.

Andreev, V.D. - Errors of inertial navigation systems. p.159.

Kobrinskii, A.E., Korendiasev, A.I. - A new mechanical power amplifier. p.175.

Kuznetsov, I.N. - Addition to V.P. Perov's article "Optimum distribution of energy in the multiple study of this field." p.182.

Andreev, V.D., and others. - Concerning V.P. Seleznev's book "Navigation systems." p.184.

Symposium on bionics held in the United States. p.188.

*ATOMNAIA ENERGIIA [ATOMIC ENERGY] Issued by Akademiia nauk SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po ispol'zovaniiu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the Council of Ministers of the U.S.S.R.]. Moscow, vol.16, no.4, Apr. 1964.

Table of contents translated:

A.I. Alikhanov; on his 60th birthday. p.I.

El'tekov, V.A., Terent'ev, B.M., Panchvidze, M.V. - Gamma-ray spectrum and partial values of absorbed energy in an arbitrary homogeneous mixture. p.291.

Gagarin, IU.F., Ostroumov, V.I. - Recoil effect on the angular correlation between fragments and charged particles emitted in the fission of uranium nuclei. p.296.

Babkin, G.I. - Calculating the excitation energy of fission fragments. p.300.

Moskalev, O.B. - Some nonlinear problems in the theory of nuclear reactors. p.304.

Kolesov, V.F. - Some problems concerning the dynamics of pulsed reactors. p.309.

Bartoshek, V. - Transient states of a reactor during the recharging of fuel elements. p.315

Ivanov, V.E., and others. - Dependence of the texture of hardened uranium on the character of heating and other parameters of heat treatment. p.326.

Turgarinov, A.I., Bibikova, E.V., Zykov, S.I. - Metamorphism of uranium deposits and individual uranium minerals. p.332.

Mishev, I.T., Radichev, M.A., Troshev, T.M. - Study on radioactive contamination about the IRT-1000 nuclear reactor. p.344.

Potetiuko, G.N. - Nomograms for calculating the kinematic elements of nuclear reactions with the yield of two particles. p.349.

Kononovich, A.A., Mitel'man, M.G., Rozenblium, N.D. - Calculation of nuclear sources for direct charge current. p.351.

Belovintsev, K.A., Denisov, F.P. - Possibility for the production and acceleration of positrons in a synchrotron. p.353.

Bogdanov, A.P., Firsov, E.I. - Gamma radiation from the IRT-2000 reactor of the Academy of Sciences of the White Russian S.S.R. p.354.

Avaev, V.N., Egorov, IU.A., Moiseev, G.G. - Attenuation of neutrons with energies over 1.5 Mev. in iron. p.355.

Matveev, O.A., Ryvkin, S.M. - Silicon [illegible] detectors with a wide sensitive range. p.35[illegible].

Matveev, O.A., Rubakov, V.P., Serikov, I.N. - Spectrometry of heavy charged particles of [illegible] energies by means of silicon n-i-p detectors. p.360.

Matveev, O.A. - Germanium spectrometric detector of gamma radiation. p.362.

Matveev, O.A., Ryvkin, S.M., Tarkhin, D.V. - Low-inertia silicon detectors of pulsed X radiation. p.363.

Frid, E.S., and others. - Neutron detector on the basis of a "long" counter. p.365.

Volovik, V.D., and others. - Determining the [illegible] in sand from the attenuation of a fast neutron flux. p.366.

Aron, P.M., and others. - Probability of delayed neutron emission from halogens. p.368.

Aron, P.M., and others. - Radiochemical determination of the cross section of the $Al^{27}(n,\alpha)Na^{24}$ reaction at a neutron energy of 14.6 Mev. p.3[illegible].

Batenin, I.V., Sharov, B.V. - Texture of [illegible] uranium rods. p.372.

Nikitin, V., Tiapkin, A. - International Conference on Elementary Particles. p.374.

Burgov, N. - Third International Conference on the Mössbauer Effect. p.377.

Sinaev, A.N. - Symposium on nuclear radio-electronics held by member countries of the United Institute of Nuclear Research. p.379.

Bashkirtsev, M., Chesnokov, N. - Symposium on radiation protection and safety technique in the [illegible] and treatment of radioactive materials. p.381.

Symposium on the biological effect of neutrons. p.3[illegible].

Spitsyn, Vikt.I. - Indian scientific atomic center at Trombay. p.384.

Mitiaev, IU. - Atomic energy in Brazil. p.385.

Minimum permissible distances from packages in transit containing radioactive substances. p.3[illegible].

Spectrometric and electron physics apparatus at the exhibition by member countries of Comecon. p.387.

Polish exhibition of nuclear physical apparatus. p.390.

Patents. p.392.

New literature. p.393.

Vol.16, no.5, May 1964.

Table of contents translated:

Kondratenko, A.N. - Nonlinear theory of electron cyclotron resonance. p.399.

Laletin, N.I. - Spectra of slow neutrons in water with absorbents. p.402.

Bagdasarov, IU.E., and others. - Unsteady natural circulation in multistream systems of nuclear reactors. p.407.

Ventsel', P. - Design of thermal reactors with plutonium recycling. p.413.

Smolin, V.N., Poliakov, V.K., Esikov, V.I. - Experimental study of heat transfer in critical boiling. p.417.

Memelova, L.IA., Kukavadze, G.M., Ershler, B.V. - Mass-spectrometric determination of infinitesimal quantities of boron in certain materials. p.423.

Amonenko, V.M., and others. - Deformation and fracture of rolled beryllium of different purity. p.426.

Brodin, B.V., Dymkov, IU.M. - Hard bitumens in uranium-bearing veins. p.432.

Afanas'ev, V.P., and others. - Methodology of an experimental study of the shielding properties of certain materials under the action of a proton beam from the synchro-cyclotron at Dubna. p.437.

Oraevskii, V.N. - Instability of electron Langmuir oscillations of a plasma in the presence of a magnetic field. p.441.

Vialov, G.N. - Calculation of phase relations in a cyclotron. p.442.

Pantuev, V.S., Khachaturian, M.N. - Pulse height analysis with photographic recording on a moving film. p.444.

Gorn, L.S., Khazanov, B.I. - Optimum thickness of an alpha-emitter in the spectrometric analysis of specimens of low-level radioactivity. p.447.

Nasyrov, F. - Specific ionization along the tracks of U^{235} and Cm^{244} fission fragments. p.449.

Akalaev, G.G., Vartanov, N.A., Samoilov, P.S. - Low-energy γ-transitions in Pu^{238} and Pu^{240}. p.452.

Kukhtevich, V.I., Matusevich, E.S., Trykov, L.A. - Spatial distribution of a scattered radiation dose from a source of collimated gamma quanta in an infinite medium near the source. p. 453.
Ganzha, V.D., and others. - Ion-exchange apparatus for producing feed-water for a reactor. p. 456.
Borishanskii, V.M., Firsova, E.V. - Heat transfer in separated rod bundles during longitudinal flow of metallic sodium past the rods. p. 457.
Donets, E.D. - Session of the Nuclear Physics Department of the Academy of Sciences of the U.S.S.R. p. 459.
Biriukov, V., Lebedev, R. - Fifteenth Session of the Scientific Council of the United Institute of Nuclear Research. p. 459.
Parfenov, L.B. - Polarized fluxes and polarized targets. p. 462.
Matveev, V. - Symposium on Nuclear Electronics. p. 463.
Leshchinskii, N.I. - Second conference on revising the "Instructions concerning safe transportation of radioactive materials." p. 464.
Vlasov, N. - Antimatter and the universe. p. 465.
IAblokov, B.N. - Reconstruction of a bevatron. p. 468.
Mamedov, A.M. - Use of radioisotopes and nuclear radiations in the Azerbaijan S.S.R. p. 468.
Patents. p. 469.
New literature. p. 470.

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol. 8, no. 5, 1964.

AVTOMATIKA I PRIBOROSTROENIE [AUTOMATIC CONTROL AND INSTRUMENT MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Institut avtomatiki Gosplana Ukrainskoi SSR [Institute of Technical Information of the State Committee of the Coordination of research and the Institute of Automatic Control of the State Planning Commission of the Ukrainian S.S.R.] Kiev, no. 1, Jan.-Mar. 1964.

Table of contents translated:

Supply the chemical industry with modern reliable instruments and the means of automation in good time. p. 3.
Vasilevskii, M.N., Stolbun, M.I., Geliadov, R.S. - Automatic charging devices for the mine skip hoist. p. 5.
Ul'man, V.G., Tishchenko, A.G., Boreiko, E.E. - Automatic control of coke weight charged into a blast furnace. p. 7.
Veitsman, P.G., Mikhailov, V.P. - Automatic proportioning unit of components for an edge-runner mill. p. 9.
Lysenkov, N.G., and others. - Noncontact system of optimum pulsed control of an electric drive. p. 11.
Skrynchenko, D.A., Shumilov, K.A., Novikov, N.A. - Automatic cast-iron weight control unit in the charging boxes of a casting machine. p. 15.
Ivanov, A.A., Mariuta, A.N., IUrtaev, A.V. - Unit for continuous coarseness control of ore feeded for milling. p. 18.
Lenovich, A.S., Dubinets, A.IA. - Automatic control of a given number of metal biting turns on reversing rolling mills. p. 20.
Georgievskii, IU.I. - Automatic determination of metal yield according to the energy used by aluminum electrolytic reduction cell. p. 22.
Butusov, I.V., Chufriakov, L.F. - Numerical indicator with an electroluminescent sign dial. p. 25.
Derkach, V.P., and others. - Electroluminescent matrix for photographic recording of images evolved from electronic computers. p. 28.
Evtushenko, V.V. - Decade counter with digital presentation. p. 32.
Kondalev, A.I., IUdin, IU.S. - Pulse current supply source for two-cycle ferrite-diode elements. p. 33.
Kondalev, A.I., IUdin, IU.S. - Quick-acting unit for the determination of polarity and high-precision comparison of voltage value. p. 37.
Botvinovskii, I.B., Ponomarenko, I.N. - Increasing the stability of magnetic recording and reproduction of commands. p. 40.
Pokhilo, N.P., Koval'chuk, I.A. - Static triggers keeping information during the interruption of current supply. p. 42.
Vereshchagin, L.A., Rudnyi, N.M. - Potential logical inverter without switching elements. p. 45.
Shcherban', A.N., and others. - High-stability transmission device of a frequency system for telemetering weak pickup signals. p. 47.
Angeli, A.I. - Multicomponent program-controlled weighing device. p. 51.
Cherniak, IU.A., Marchenko, V.A. - Improved circuit of an electromagnetic flowmeter. p. 53.
Zemskov, G.G. - Vibratory induction pickup for automatic control of linear dimensions of parts. p. 56
Gusiatinskii, L.I., Skrynchenko, D.A. - Device for shaping voltages with steep fronts from slowly varying voltages. p. 58.
Mesh, L.IA, Kaminer, D.M., Vinshtein, I.I. - Temperature regulator based on a self-excited self-oscillator. p. 59.
Gerchikov, D.S., Ignat'ev, O.M., Ilyk, M.V. - Using inclined gamma-ray beam in determining the interface between liquid metal and slag. p. 61.
Gostev, V.I. - Circuits of a.c. differentiators with an electronic key. p. 63.
Zaitsev, V.G., D.C. amplifier with a wide transmission band. p. 64.
Tolimanchuk, V.A., Levchenko, N.A. - Simple pulse counter. p. 65.
Khlopov, V.P., Litvak, V.I. - Time lag controller for photocontact marking. p. 67.
Shapirshtein, IA.A., Senichkina, L.G. - Semiconductor relay. p. 67
Inventions. p. 68.
Antoshchenko, E.M., and others. - Television methods for automatic control of geometrical parameters of controlled systems. p. 73.
Kukhtenko, A.I., Spynu, G.A. - The Second International Congress on Automatic Control. p. 79.
Malinovskii, B.N. - Characteristics of the introduction of computing equipment in the automatic control of production processes abroad. p. 81.
The "Program evaluation and review technique" system. p. 83.
Automatic pH meter of the "Semac" Company. p. 86.
Electronic microprobe. p. 87.
The CSF-CGSF industrial television receivers. p. 89.
From foreign periodicals. p. 90.
Patents. p. 91.
Books. p. 93.
New state standards. p. 94.

AVTOMATIKA, TELEMEKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 8, no. 3, Mar. 1964.

Table of contents translated:

Buts, V.D. - We shall activate all hidden resources for increasing labor productivity. p. 1.
Afanas'ev, E.V. - New developments in the engineering operation of railroads in the U.S.S.R. p. 5.
Awarding of signaling and communication workers. p. 7.
Zakharov, I.P., Zholts, IU.S. - New elements of a.c. code automatic block system networks and the linking of them with automatic crossing signals. p. 8.
Karvatskii, S.B. - Code interlocking system (SKTs-TsNII) for large stations. p. 13.
Bukhbinder, L.I., Kotel'nikov, L.V. - Distribution station with selective ringing of a centralized traffic control system. p. 18.
Kharitonov, A.I., Lishunin, P.G. - Principal trends in the development of telegraph communication. p. 22.
Lidin, D. - A glorious anniversary. p. 23.
Pogorelov, I.M. - And our new objectives shall also be fulfilled. p. 26.
Khivrenko, A.G. - Something can be learned from this. p. 29.
Khivrenko, A.G. - A cover instead of a casing. p. 30.
Razgonov, A.P. - Operation of ShchBPI power supply units of single- rail track circuits. p. 31.
Kisel', F.M., Vasil'ev, IU.A. - We have facilitated the servicing of long-distance communication apparatus. p. 34.
Fedorov, E.P. - How we have increased the operational reliability of loudspeaker announcing systems. p. 36.
Zhokh, V.P., Lesniak, N.A. - Voice-frequency dialing V-3 channels. p. 38.
Murchich, V.I. - Comments on the article "Device for measuring soil temperature." p. 40.
Selin, D.I., Khodusov, I.M., Rudykh, A.M. - Spare parts for transmitter-receiver units. p. 41.
Podgaichenko, M.S. - One transformer for two track circuits. p. 42.
Kutenko, A.V. - Procedures in servicing train telephones should be revised. p. 43.
Frolkin, A.V. - Discussion of the article "Problems of planning and cost accounting in signaling and communication districts." p. 44.
Conventional graphical symbols for electrical networks. p. 45.
Gluzman, I.S. - Crossing signaling system with timed action. p. 46.

AVTOMATYKA [AUTOMATIC CONTROL]. Issued by Instytut kibernetyky Akademii nauk URSR [Institute of Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 9, no. 2, 1964.

Table of contents translated:

Svenson, O.M. - Methods of signal transformation. p. 3.
Ivakhnenko, O.H., Komarov, B.O. - Undercompensation, absolute invariance and overcompensation in automatic control systems. p. 10.
Savin, O.R. - Improving the quality of optimalizing control of inertial processes. p. 33.
Vavilov, E.M., Osins'kii, L.M. - Structural synthesis of automatons operating with additional cycles. p. 42.
Kerekesner, I.P., Chekhovii, IU.M. - Algorithm of the construction of a nonlinear static model of a complex production process. p. 50.
Otkhmezuri, H.L. - Recognition of speech sounds by means of self-organizing systems with two positive feedbacks. p. 59.
Antypenko, V.I. - New method for defining Liapunov's functions. p. 71.
Kazans'kyi, L.V. - Adaptive control system with two coordinates using indirect quality indices. p. 76.
Pavlov, V.V. - Invariance and autonomy in automatic systems containing a "black box." p. 79.
Ivakhnenko, O.H. - Simulation of processes in neuron networks. p. 82.
Problems of the theory of sample cognition at the All-Union Conference on Adaptive Control Systems held in Moscow December 10-14, 1963. p. 89.

ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING]. Issued by Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 35, no. 3, Mar. 1964.

Table of contents translated:

Aleksandrov, A.E. - Field tests of a reversive hydrogenerator thrust bearing. p. 1.
Vasil'ev, IU.K., Bogaenko, I.N. - Operational tests of the cooling of large d.c. rolling mills. p. 5.
Shakarian, IU.G., Blotskii, N.N., Klimov, D.P. - Study of an asynchronized synchronous motor. p. 9.
Sharov, V.S. - Contribution to the theory of an asynchronous inductor motor. p. 12.
Lipshtein, R.A., Shtern, E.N. - Development of breakdown locations in liquid dielectrics with engineering applications. p. 15.
Kamenomostkii, IA.A. - Effect of frequency on the principal electromagnetic parameters of transformers. p. 19.
Barkan, I.L. - Irrigation systems should be provided with new electrical equipment. p. 23.
Zul', N.M., and others. - Smoothly regulated booster autotransformer for rural power distribution networks. p. 25.
Kramorov, IU.I., Darpukhin, B.D. - Electrical equipment operating on increased frequency should find wide use in rural electrification. p. 27.
Borodin, I.F., Kochetova, E.L. - A new device for indicating the level of grain. p. 29.
Kalinichenko, I.S. - Hidden potentials in improving transformers and increasing their power limits. p. 32.
Levin, M.S. - Construction and analysis of a power scale for the electric transformer of rural power distribution networks. p. 35.
Balybordin, L.L., Pintsov, A.M., Shilovskii, A.A. - Experimental industrial semiconductor rectifier for supplying power to municipal electric transportation systems. p. 39.
Fiksman, S.I. - Complex semiconductor rectifier substations. p. 40.
Gantts, V.L., Griaznov, A.A., Kholodnyi, S.D. - Manufacture, properties, and applications of oxidized aluminum wires. p. 44.
Grodnev, I.I., Liubimov, K.A., Sverkalova, A.P. - Small-sized coaxial cable. p. 46.
Ubliko, A.M., Rybkind, A.D. - High-voltage reversers and contactors with multiple arc-quenching chambers. p. 48.
Glazunov, V.I. - A small measuring coil. p. 51.
Sychev, V.S., Dubovtsev, D.I. - Device for automatic inverter braking control. p. 52.
Chuloshnikov, P.L., Rakcheev, V.N. - Reversive drives for rollers in contact welding. p. 53.
Shaifeev, S.D., Galiakbarov, A.S., IAkubov, N.S. - Improvement of technological features of electrical steel. p. 56.
Barg, IA.A., Livshits, A.L. - Method for calculating the torque strength of hollow shafts. p. 58.
Sanovich, I.M., Tafipol'skii, L.F. - Exhibition of Bulgarian electric equipment held in Moscow. p. 61.
Review of N.A. Markov's book "Electrical networks of electric arc furnaces." p. 63.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'nyi komitet [illegible] elektrostantsii i elektropromyshlennosti [State Committee for the Coordination of Research of the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 11, no. 12, Dec. 1963.

Table of contents translated:
[illegible], A.A. - Development of centralized heat supply. p.1.
[illegible], IU.A., [illegible], N.A. - Grounding of single-[illegible] power transmission line [illegible]. p.4.
[illegible], A.S. - [illegible] of reinforced concrete [illegible] power transmission line towers [illegible]. p.9.
[illegible], V.I. - Prevention of air leakage in the VK-[illegible]. p.11.
[illegible], I.I. - Prevention of leakage from the welded [illegible] pressure heaters. p.11.
[illegible], I.A. - [illegible] hydraulic drives in the slide gates of [illegible] water conduits. p.13.
[illegible], I.P., [illegible], A.I. - Projection indicator with [illegible] scale for media pressure indications. p.14.
[illegible], S.S. - Redesigning of the reverse valve of the [illegible] electric feed pump. p.15.
[illegible], V.E. - Machine for centrifugal babbitt filling of bearing bushings of electric motors. p.16.
[illegible], A.G. - Improvement of a recording device. p.17.
[illegible], V.P. - Prevention of erosion wear of the [illegible] collectors. p.17.
[illegible], V.IA. - Device for replacing suspension insulator chains on A1LB and U1LB-12 anchor and corner metal towers. p.18.
[illegible], A.IA. - Reconstruction of an operating 110 kv. power transmission line. p.18.
[illegible], V.I. - Electric heater for heating the collectors of electrical machines. p.19.
[illegible], A.S. - Defects of interphase insulation. p.20.
[illegible], K.N., [illegible], M.I. - Conversion of an AK-12([illegible]) turbine to seasonal operation with 1,2--1,6 atm. back pressure. p.21.
[illegible], A.I. - Charge maintenance in a storage battery. p.24.
Through the pages of technical magazines. p.24.
Index of articles published in "Energetik" for 1963. p.[illegible].

ENERGETIKA I ELEKTROTEKHNICHESKAIA PROMYSHLENNOST' [POWER ENGINEERING AND THE ELECTRIC EQUIPMENT INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Oblastnye pravleniia Nauchno-tekhnicheskogo obshchestva energopromyshlennosti Ukrainskoi SSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Province Administrations of the Scientific and Technological Society of the Power Industry of the Ukrainian S.S.R.]. Kiev, no. 1(17), Jan.-Mar. 1964.

Table of contents translated:
Strive for further development and technological progress in power engineering in the Ukrainian S.S.R. p.3.
Vnukov, A.K. - Increase in the heat-release rate of gas and mazut furnaces. p.5.
Madoian, L.G., Salimon, P.I., Madoian, A.A. - Operation of boilers with liquid slag removal systems. p.8.
Glukhov, B.F. - Block-type high-pressure steam generator with natural circulation for an industrial thermal electric power plant. p.11.
Belokon', S.M., Bazeev, E.T. - Investigation of the effect of the operation of an industrial furnace working as a generator of a solid heat carrier on the combustion temperature. p.15.
Boiko, IU.V., Boiko, V.I. - Effect of nonstationary processes on the operation of a transistorized directional power relay. p.17.
Rozov, S.S. - Contactless tripping of switches. p.19.
Shapirshtein, IA.A., Kotliar, I.I., Khazin, E.A. - Mercury-type shunting disconnecting switch. p.23.
Vasil'ev, IU.K., and others. - Direct current motor with printed armature winding. p.25.
[illegible], B.I., Bondarev, K.T. - New high-voltage rod-type insulators from crystallized glass materials. p.29.
Gindis, A.P., Shorgin, V.S. - Saturation of electric motor windings with insulating lacquers using an ultrasonic technique. p.30.
Inventions. p.32.
Pomerantsev, O.V. - Automatic control of thermal processes in blocks with 200,000 kw. power ratings. p.34.
Shcherbina, IU.V. - Automation of the programming of electric network calculations using electronic digital computers. p.39.
TSipisiura, R.D. - Use of statistical analysis for substantiating composite active load distribution systems. p.41.
Fedotov, L.V. - Use of radio techniques in frequency and power regulating systems. p.45.
Bugai, N.V., Ivanov, V.V. - Development of defects in the metal of thermal power equipment during its operation. p.48.
Girenko, A.Kh., Foshko, A.E. - Use of hydrazine in thermal electric power plants. p.51.
Namitokov, K.K., Chepura, V.F. - Profile meter for studying the surface of the collectors of electrical machines. p.53.
Shakhov, A.I., Dushkin, S.S. - Improvement of the operation of water clarifying stations in power systems of industrial enterprises. p.54.
Boriu, IU.I. - Marking of autotransformers taking into account the load capacity of the windings. p.56.
Krivonos, N.F., and others. - Dependence of unit losses in electrical steel on the force of compression of packs and incremental weight of lacquer coatings. p.59.
Namitokov, K.K., Brezinskii, V.G., Artemova, M.A. - Effect of tensile forces on the magnetic properties of electrical steel. p.61.
Astaf'ev, V.F., Skvortsov, N.N. - Growth reserves in the labor productivity of the electric equipment industry. p.63.
Bychkov, O.D. - Television in power engineering. p.68.
Tverskoi, A.M. - Dust prevention in an electric power plant in the U.S.A. p.75.
Patents. p.75.
In the Technical Administration of the Minstry of Power Engineering and Electrification of the Ukrainian S.S.R. p.78.
Scientific and technical conference on the application of probability and statistical techniques in the design and operation of electrical systems and power distribution networks. p.78.

ENERGOKHOZIAISTVO ZA RUBEZHOM; prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES; Supplement to the Periodical "Electric Power Stations"]. Issued to Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House]. Moscow, nos. 2-3, Mar.-June 1964.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Elektronikas un skaitlosanas technikas instituts. Trudy Instituta elektroniki i vychislitel'noi tekhniki Akademii nauk Latviiskoi SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Electronics and Computer Technology. Transactions]. Riga, vol. 5, 1963.

LENINGRAD. ELEKTROTEKHNICHESKII INSTITUT. Izvestiia [INSTITUTE OF ELECTRICAL ENGINEERING. Bulletin]. No. 40, 1960. K devianostoletiiu so dnia rozhdeniia V.I. Lenina [On the occasion of the ninetieth anniversary of V.I. Lenin's birth].

Table of contents translated:
Maznin, V.I. - V.I. Lenin as the greatest philosopher, leader and man. p.5.
Opalikhin, F.I. - Lenin in the workers' groups of Petersburg, 1893-1895. p.26.
Shiriakov, A.A. - The Marxist-Leninist theory of the development of a bourgeois-democratic revolution into a socialist revolution. p.50.
Gol'neva, V.A. - Lenin's opinions on the supreme principle of the dictatorship of the proletariat. p.67.
Veselov, A.P. - V.I. Lenin on the role of mechanization and electrification in the socialist development of agriculture. p.80.
Moliukhin, S.T. - Leninist principle of the inexhaustibility of matter and the present-day physics. p.96.
Rudakov, V.N. - The Leninist concept of matter and the problem of the unity of field and matter. p.111.
Dobrotin, D.A. - V.I. Lenin's book "Materialism and empiriocriticism" and the basic philosophical problem in mathematics. p.125.
Andriushchenko, M.N. - The Leninist theory of reflection and cybernetics. p.140.
Akhlibininskii, B.V. - Significance of Lenin's ideas for the criticism of present-day positivism. p.154.
Grigor'ev, P.G. - Leninist principles regarding the organization of wages in the U.S.S.R. p.167.
Malafeev, A.N. - The scheme of the socialist output of the means of production. p.185.
Mikhailov, A.T. - Division of communal labor in definite proportions. p.194.

No. 43, 1960. Nekotorye nauchnye raboty problemnoi laboratorii elektrofizicheskikh protsessov v dielektrikakh i poluprovodnikakh [Some research papers of a laboratory on problems of electric and physical processes in dielectrics and semiconductors].

Table of contents translated:
Bogoroditskii, N.P. - Ways to develop inorganic dielectrics. p.6.
Bogoroditskii, N.P., Volokobinskii, IU.M., [illegible], V.N. - Design principles of high-voltage high-frequency insulators. p.12.
Volokobinskii, IU.M. - Electric field in the annular region formed by the crossing of two cones and two spheres for a case of given potential on one of the cones. p.23.
Shinkov, A.D. - Use of electrically conductive paper in modeling electric fields of insulators. p.31.
Petrunin, V.I. - System for the automatic registration of fields using an electrolytic tank technique. p.39.
Gol'mont, B.L. - Effect of air switches on the electrical strength of dielectrics. p.45.
Kurlin, M.V. - Use of polyorganosiloxane lacquers as moisture-resistant protective coatings. p.65.
Pasynkov, V.V. - General data on nonlinear semiconductor resistances and their applications. p.71.
Savel'ev, G.A., Okunev, IU.T. - Voltage regulators using nonlinear semiconductor resistances. p.[illegible].
Savel'ev, G.A., Sorokin, A.P. - Nonlinear semiconductor resistances for analog-type computing devices. p.92.
Buslovskii, O.E., Chirkin, L.K. - Controlled nonlinear four-terminal network. p.96.
Dmitrenko, I.E., Savel'ev, G.A. - Plane [illegible] type electroluminescent screen. p.100.
Buslovskii, O.E., Pasynkov, V.V. - Transistorized ignition system. p.108.
IAs'kov, D.A. - Semiconductor thermistors based on silicon carbide and boron carbide. p.117.
Panova, IA.I. - Approximate calculation of a large waveguide absorption load with evenly distributed heating. p.125.
Kharlamova, T.E. - Manufacture of rectifying elements from silicon carbide. p.135.
Kholuianov, G.F., Kharlamova, T.E. - Properties of p-n junctions in silicon carbide. p.141.
Kholuianov, G.F. - Photoelectric properties of [illegible] p-n junctions in silicon carbide. p.150.
Voeikov, D.D. - Problems of the design of [illegible] Hall transducers. p.157.
IAkovlev, IU.M. - Measurement of the parameters of ferromagnetic resonance of ferrites. p.16[illegible].
Karpov, IU.S. - Temperature dependence of the flicker effect of junction transistors. p.174.

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 19, no. 2, Feb. 1964.

Table of contents translated:
Accelerated development of the chemical industry is a national objective. p.2.
Golovkin, P.I. - Regulation of the electric power load graph over a twenty-four hour period. p.5.
Zasypkin, I.G. - Standardization of power resources in industrial enterprises of the Karaganda Province. p.7.
Stepanova, Z.S., Cherkasskii, V.M., Shipov, G.M. - System for cleaning oil in the spindle bushings of spinning and twisting machines. p.9.
Raba, Kh.Kh. - Decrease in the resistance of grounding devices using clay suspensions. p.11.
IUdin, E.E. - Transistorized photoelectric relay with a broken base circuit. p.14.
Alekseevich, V.A. - Tongs for electric power measurement. p.17.
Karnaukh, N.F. - Use of a flexible transmission in RKS induction relays. p.19.
Sirenko, N.I., Naumenko, IU.N. - Lightened operation of round load-hoisting electromagnets. p.20.
Lashchivor, F.M., Vorob'ev, L.M. - Experience in wood drying using commercial frequency current. p.21.
Kontorer, L.B. - Conversion of industrial boilers to operation on natural gas. p.24.
Gofman, A.I., Manuilov, P.N. - Redundance in automating the simplest control objects. p.26.
Kraizel', S.E., Kigel', L.S., Laikovskii, E.E. - Water heating PTVM-30 boiler operating on gas and fuel oil. p.28.
Abdullaev, K.M., Falkovskii, M.A. - Experience in decreasing heat losses in scavenging water. p.30.
Demidova, V.N. - "Termopanel'" type regenerator. p.32.
Arkhipov, N.K. - Calculation of the electric lighting networks of industrial enterprises taking into account voltage losses. p.34.
Kazantsev, K.G. - Some shortcomings in the design of large mercury-arc convertor substations. p.38.

Grigorov, V.G. - Centralized heat supply stations of industrial enterprises. p. 40.
Iliferov, F.M. - Electric micromotors for all-purpose applications. p. 41.
Vol'fkovich, IA. E. - Trends in the consumption of electric power by industry in the United States. p. 47.
Vol'fkovich, IA. E. - Consumption of electric power by various industries in Western Europe in 1961. p. 49.
Decision No. E-18/63 as of November 30, 1963. p. 49.
Khomutskii, V.A., Rakovich, I.I., Shevchenko, N.F. - In the working group of section No. 10 of the Regular Committee of the Mutual Economic Assistance Council for preparing recommendations on uniform rules and standards on explosionproof electrical equipment. p. 50.
Ermilov, A.A. - Designing and adjustment of the electrical equipment of cold rolling departments of metallurgical plants. p. 50.
Suggestions having received recognition at the Eighteenth All-Union Competition on the Saving of Thermal and Electric Energy. p. 51.
Discoveries and inventions. p. 55.
Sealed DTsNG-type electric motors for electric pumps without stuffing boxes. p. 56.
2RV and 3RVM program time relay. p. 57.
Naifel'd, M.R. - Concerning V.IA. Gaman's article "Power supply of control networks in systems with grounded neutral." p. 57.
IAkhtovich, IA. L. - Production of calibrated fuse links. p. 57.
Kuznetsov, V.I. - Concerning the design of the P-27 protector. p. 58.
Vinokur, M.Kh. - Selfcontrol network of low-voltage electric motors. p. 59.
Hulse, L.G. - Rewinding of an asynchronous motor for operation from 1000 to 1500 r.p.m. p. 59.
Khomiakov, M.V. - Use of electric transformers with pyranol filling. p. 60.
Khomiakov, M.V. - Color for permanently marking rubber articles. p. 60.
Through the pages of trade journals. p. 61.
Candidate's and doctor's dissertations submitted to the Lenin Library in the first quarter of 1964. p. 63.
Magnetic logic components. p. 63.
Blast and draft machines for boiler systems. p. 64.

Vol. 19, no. 4, Apr. 1964.

Table of contents translated:

IAstrebov, P.P., Kolotilka, G.G. - Methodology for standardizing unit expenditures of electric power in grain receiving stations. p. 2.
Okorokov, S.V., Alferov, V.E., Vikhrov, V.P. - Selection of optimum operating conditions of power transformers of industrial enterprises. p. 5.
Fil'gosov, F.I., L'vov, A.P. - Rectifying device for supplying power to electrolyzers. p. 7.
Kopilskii, B.E. - Universal lead-in devices for enclosed electric motors. p. 12.
Tsagarov, S.M. - Change in the electrical network of the VP-20/8 air compressor. p. 14.
Tomasov, B.V. - Electrical tools and problems of safety. p. 18.
Morar'ev, V.P., Fershter, S.L. - Start of three-phase motors from a network with limited power handling capacity. p. 19.
Voznesenskii, A.A. - Utilization of secondary power resources in steaming reinforced concrete. p. 21.
Fedulov, D.K., Prudnitskii, A.P. - Automatic control of the recirculation of the condensate of steam turbines. p. 26.
Shakhin, V.I. - Decrease in the consumption of compressed air by consumers. p. 28.
Gershtein, M.G., Sokolov, P.I. - Steam superheater for DKV and DKVR boilers. p. 29.
Billian, IU.M. - Danger of acetylene explosion and explosionproof electrical equipment. p. 31.
Gol'denberg, B.A., Polushkin, V.IU. - Elevated cable ducts in a chemical plant. p. 35.
Ditkovskikh, S.P. - Device for determining paid cable strands. p. 37.
Iliferov, F.M. - Executive electric motors of automatically controlled systems. p. 38.
Minin, G.P. - Use of the international system of units in electric engineering. p. 42.
Vol'fkovich, IA. E. - Automatic control of reactive power in consumer systems in Czechoslovakia. p. 45.
Vol'fkovich, IA. E. - Consumption of electric power in the national economy of the German Federal Republic in 1962. p. 46.
In the factories. p. 47.
Sheverin, V.I. - Plenum of the economic section of the Moscow Scientific and Technological Society of the Power Industry on problems of the expenditure of electric power per worker in industry. p. 48.
Taits, A.A. - Scientific and technical lecture conference on "New electrical equipment of industrial enterprises and its operation." p. 50.
Typical exhibit at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 52.
Suggestions having received recognition at the Eighteenth All-Union Competition on the Saving of Thermal and Electric Energy. p. 52.

Brief news. p. 54.
Beliaev, V.S. - Power transformers and improvement of the design of complex power distribution systems. p. 56.
Discoveries and inventions. p. 57.
Sandler, M.S., Chizhov, A.I., Sizov, N.T. - Concerning A.D. Topolianskii's article "Problems of safety in electrical systems of the construction industry." p. 59.
Zlatopol'skii, A.N., Zavadskii, I.M., Pasmer, S.L. - "Effective use of secondary power resources" by S.M. Vilenskii. p. 60.
Motor-type and electronic time relays. p. 62.
Automatic control boards for DKVR boiler units. p. 63.

* RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A.S. Popova [A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunications], Moscow, vol. 19, no. 4, Apr. 1964.

Table of contents translated:

Chronicle of television and radio electronics. p. 3.
Kliatskin, I.G. - Integral equation of an antenna and induced e.m.f. technique. p. 5.
Voronin, E.A. - Effect of nonradiating components on the radiation characteristics of pencil beam antennas. p. 17.
[illegible], L.S. - Potential measurement accuracy of single-channel and multichannel signal parameter measuring devices. p. 19.
[illegible], A.I. - Increase in the accuracy of the estimation of the average value of a harmonic signal with background noise using one segment of realization. p. 28.
[illegible], V.A. - Principles of the construction of automatic electrostatic stabilizing systems of receiving and transmitting electron-beam tubes. p. 36.
[illegible], Iu.N., [illegible], A.A. - [illegible] that weight of a group of pulse signal sequences with a nonsquare envelope. p. 46.
[illegible], I.I., [illegible], A.N. - Frequency characteristics of a class B transistor amplifier. p. 52.
Vorob'ev, V.I. - A transistor frequency converter. p. 57.
[illegible], M.F. - Effect of the capacitance between the laminated leads and winding capacitance on the voltage feedback parameter. p. 61.
[illegible], M.P. - A biased [illegible] system with [illegible]. p. 68.
[illegible], N.M., [illegible], I.M. - Three-dimensional field of a magnetic recording head. p. 76.
New books. p. 80.

RADIOTEKHNIKA, Moscow. [illegible] [TELEVISION [illegible]]. Moscow, no. 12, 1963.

Table of contents translated:

Synchronization of scanning stages in television receivers. p. 6
Study of sync pulses using an oscilloscope. p. 11
Checking the individual stages of a television receiver. p. 25
Adjustment instructions and examples. p. 44.

[MICROFILM]

REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEKHANIKA I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964. Avtorskii ukazatel' za 1963 g. [Author index for 1963]. Predmetnyi ukazatel' za 1963 g. [Subject index for 1963].

REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964. Avtorskii ukazatel' za 1963 g. [Author index for 1963].

REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964. Avtorskii ukazatel' za 1963 g. [Author index for 1963]

REFERATIVNYI ZHURNAL: IADERNYE REAKTORY (Otdel'nyi vypusk 50) [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate issue 50)]. Issue by Institut nauchnoi informatsii Akademii nauk SSS [Institute of Scientific Information of the Academy Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RA ENGINEERING AND TELECOMMUNICATIONS]. Iss by Institut nauchnoi informatsii Akademii nauk SSS [Institute of Scientific Information of the Academy Sciences of the U.S.S.R.]. Moscow, no. 5, May 19 Avtorskii ukazatel' za 1963 g. [Author index for 1963].

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshi uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulle of the Institutions of Higher Learning; Electrical Ma chinery and Apparatus]. Novocherkassk, vol. 7, no. 1964.

Table of contents translated:

Galperin, V.G. - Concerning a theorem of harmoni synthesis and its application in the calculation of transients in linear circuits. p. 263.
Antashevskaia, L.S. - Design of permanent magnet p. 2?5.
Sinel'nikov, D.K. - Universal program for calcula the currents of asynchronous motors with short circuited rotors. p. 305.
Bogatenko, I.N. - Some experimental data essentia for the development of methods for calculating th temperature fields of d.c. machines using electr computers. p. 310.
Chistiakov, V.V. - Approximate solution of a stea state problem on the heating of asynchronous motors using digital computers. p. 324
Lebedev, A.P., and others - Modeling of the elec cal transmission system of the DET-250 tractor. p. 332.
Kazak, P.IU. - Relative parameters of regulated asynchronous motors with squirrel-cage rotors. p. 339.
Gallak, I.I., Fil'ts, R.V. - Universal method for calculating the characteristics of dynamic braki of asynchronous motors. p. 348.
Nazarkin, I.P. - Optimum relationships of small lowpowered power transformers. p. 356.
Kataev, G.M. - Principle of the maximum mean load in the calculation of electrical networks. p. 367.
Kitaev, V.IA. - Armature magnetizing forces in a [illegible] longitudinal field amplidyne. p. 375.
Ivanov, I.N. - New network of a reversive magnetic amplifier with increased response. p. 37?
Lukomskii, Ia.I. - Determination of the impulse transient functions of linear control systems with constant parameters. p. 386.
Masanovskii, M.V., Ivanov, V.I. - Use of digital computers in processing field data on the choice of the length of the longwall in the Donets Basin. p. 394.
Kleimenov, V.Y. - Electronic attachment to an anal computer for measuring potentials. p. 390
Nogaitsev, I.S., Tkachenko, A.N. - "Electromecha cal tables for generators" by V.S. Sliarov. p. 391

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysst uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]. Moscow, vol. 7, no. 1, Jan. 1964.

Table of contents translated:

Gruzdev, I.A., Zeitsel', A.S. - Effect of self-synchronization and automatic reclosing of hydro generators on the dynamic stability of the system p. 1.
Okhmarov, B.V. - Principles of the commutation of systems of electrical connections with group net works. p. 7.
Larionov, V.P., Zeitsin, A. - Voltage-time charac teristics of air gaps at large impulses with long duration. p. 13.
Varshavskii, D.S. - Electrical strength of a multi layer dielectric from saturated condenser paper during a prolonged action of a 50 cycle potential. p. 19.
Ivanov, IU.K. - Expansion of characteristics as a method for the analysis of steady-state processes in a nonlinear converter. p. 27.
Mikhailov, A.P. - Transformation of complex expressions using a grid nomogram technique. p.
Nekrasov, O.A., Sheremenko, V.V., Rekus, G.G. - Calculation of the heating of asynchronous machin using a thermal parameter method. p. 40.
Chervinskii, P.P. - Study of the distribution of electric current in a three-phase ore smelting furnace using models. p. 46.

Kolach, T.A. - Scientific and technical problems of Soviet industrial thermal power engineering. p.54.
Khristich, V.A., Shevchenko, A.M. - Effect of operating parameters and design features of a burner on the temperature level of the walls of the flame tube of a gas turbine combustion chamber. p.63.
Zariankin, A.E. - Calculation of losses in continuous conical diffusers. p.69.
Buglaev, V.T. - Path resistance of a condensing steam flow in a vertical pipe. p.76.
Kul'mach, P.P. - Action of water on the blades of a hydraulic turbine in presence of vibrations. p.86.
Mikhalev, M.A. - Calculation of well-type water energy dampers. p.91.
Vorob'ev, G.A. - Evaluation of the conditions of the distribution of a discharge in a solid uniform dielectric in a wedge-plane field with positive polarity of the wedge. p.98.
Abdulrakhmanov, K.A. - Derivation of principal formulas describing the operation of an asynchronous motor fed from a traction substation for mercury-rectifier locomotives. p.101.
Artem'ev, V.P. - Contamination of the water walls of the furnace of boilers with small evaporative capacity operating on natural gas. p. 105.
Review of P.D. Lebedev's book "Calculation and design of drying apparatus." p.111.
Bespalov, S.G. - "Calculation and design of drying apparatus" by P.D. Lebedev. p.113.
S.A. Ul'ianov; on his 60th birthday. p.115.

Vol. 7, no. 4, Apr. 1964.

Table of contents translated:

Kvartal'nov, B.V., Pinchuk, V.M., Tikhomirov, A.N. - Automatic excitation control system of a synchronous machine operating in motor and generator modes. p. 1.
Denisov, V.I. - Evaluation of power losses in the design of electrical networks. p. 7.
Zagorovskii, E.N., Rumiantsev, IU.G. - Study of losses in metallic objects in the magnetic field of a current conductor. p. 12.
Aleksandrov, G.N., Polovoi, I.F. - Increase in the operating voltage and choice of wires for extra-high voltage transmission lines. p. 18.
Stepanchuk, K.F. - Effect of electrode vibration on stresses and currents in a dielectric. p. 23.
Bannikov, IU.I. - Experimental study of the electric field in the heating of wet insulation. p. 30.
Kasharskii, E.G., Kartsev, V.P. - Concerning the magnetization of steam turbines. p. 35.
Maksimenko, N.N. - Design of electric current grounding devices for permafrost soils. p. 43.
Arshakian, D.T. - Features of choosing an effective central heating factor in limiting the power output of a thermal electric power plant. p. 49.
Maliushenko, V.V. - Determination of an optimum number of blades for feed pump rotor wheels. p. 58.
Skripov, V.P., Nikolaev, G.P. - Heat transfer with boiling carbon dioxide at near-critical pressures. p. 66.
Kotliar, S.M. - A nonsteady-state problem in the theory of thermal conductivity for a solid cylinder. p. 72.
Sendetskii, A.A. - Geometry of the sample in the determination of the thermal conductivity of building materials using a steady-state method. p. 75.
Sarma, B.IA. - Some hydrologic conditions of the runoff of rivers in the central zone of the Baltic region related to power engineering requirements. p. 80.
Kovrevskii, A.P. - Experimental and theoretical investigation of the natural oscillation of pipes containing a flowing fluid. p. 89.
Karinskii, IU.I. - Device for checking the connecting wires of longitudinal differential protection systems of power transmission lines. p. 95.
Smirnov, V.I., Bekhtiukov, V.M., Kolosovskaia, A.K. - Determination of the length of a solid jet using a luminous jet. p. 99.
Leonchik, B.I., Lykov, M.V. - Transducer for monitoring the operation of superheated solution atomizers in drying apparatus. p. 102.
Minkus, B.A., and others. - Use of radiators in boiling and condensing liquids in tubes. p. 104.
Matiukhin, V.M. - Concerning M.V. Machinskii's article "Equivalent circuits of a multiple unit system as a means for studying its static stability." p. 109.
Andriushchenko, A.I., Poliakov, G.M. - Review of A.I. Veinik's book "Thermodynamics." p. 111.
A.I. Rutskii; on his 60th birthday. p. 115.

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]. Moscow, vol. 7, no. 1, Jan.-Feb. 1964.

Table of contents translated:

Petrenko, A.I. - Electron-beam converter of the functions of two variables. p. 3.
Lebedev, V.I. - Electric stabilizers using transistors. p. 12.
Barvinskii, L.L. - Basis for dividing complex radio-electronic apparatus into blocks with controlled performance capability. p. 21.
Trikoz, IU.S. - Memory device for time-compression of a signal. p. 27.
Markov, G.T., Panchenko, B.A. - Green's tensor functions of rectangular waveguides and cavity resonators. p. 34.
Glebovich, G.V. - Transient processes in distributed systems during transmission and shaping of nanosecond impulses. p. 42.
Trokhimenko, IA.K., Isakov, V.L. - Performance of a traveling-wave tube in the second passband of a septate waveguide. p. 51.
Rapoport, G.N., Chaika, V.E. - Behavior of a traveling-wave tube near the boundaries of the passband. p. 58.
D'iachenko, B.M., Gladyshev, A.N. - Parametric amplifier with low-frequency pumping using semiconductor diodes. p. 63.
Stetsenko, O.A. - Transients in waveguide resonators with moving walls. p. 71.
Vollerner, N.F., Kriksunov, V.G., Tereshchuk, R.M. - Some errors of spectrum analyzers with preliminary magnetic recording. p. 81.
Fedorov, N.N. - Incidence of plane waves on the boundary of vacuum-nonuniform absorbing medium. p. 85.
Gerastovskii, P.A. - Probability density at the input of a multiplier with correlation reception. p. 91.
Skabovskii, M.S. - Sensitivity of a circuit for the direct detection of amplitude fluctuations of microwave generators. p. 97.
Kanter, B.Z. - Variable waveguide attenuator for a high power level. p. 98.
Malanov, V.V. - Theory of frequency specta and demodulation of pulses with two-cycle first-order pulse-duration modulation. p. 99.
Pevzner, F.A. - Phase frequency trim system with a dividing condenser in the feedback loop. p. 103.
Talanina, N.V. - Establishment of the phase of oscillations at the output of a tuned amplifier during the switching of the input signals. p. 105.
Kuznetsov, F.K. - Determination of some transistor parameters. p. 110.
Kopilovich, L.E. - Passage of a random process through an inertialess logarithmic device. p. 112.
Kulikov, E.I. - Accuracy of the measurement of the parameters of a radio signal taking into account the time of the passage of a given level by the output signal of an optimal receiver. p. 117.
Boldyrev, N.M. - Amplitude limiter using a circuit with controlled attenuation. p. 121.
Gerasimov, S.M., Spiridonov, N.S. - Review of IA.A. Fedotov's book "Principles of the physics" of semiconductor devices." p. 126.
Ozhogin, V.IA. - Republic exhibition of teaching machines. p. 127.

SVETOTEKHNIKA [LIGHTING ENGINEERING]. Organ of Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol. 10, no. 1, Jan. 1964.

Table of contents translated:

Development of Russian lighting engineering and objectives of our periodical for 1964. p. 1.
IUstova, E.N. - Experimental check of the new functions of complex colors. p. 3.
Rokhlin, G.N., Reshenov, S.P. - Design of the electrodes of fluorescent lamps. p. 8.
Matveev, A.B. - Choice of dies for evaluating color transmission in the presence of fluorescent lamps. p. 13.
Shaikevich, A.S. - Nomogram for determining the speed and probability of recognition. p. 19.
Zil'ber, D.A., Nasonov, V.V. - Electric lighting in schools of higher education. p. 22.
Knorring, G.M. - Controversial problems in the methodology of technical and economic comparisons in the field of electric lighting fixtures. p. 26.
Selastel'nikov, A.L. - Determination of the q coefficient in the calculation of natural lighting. p. 28.
Burnyshev, N.M. - The quality of lampholders should be improved. p. 29.
Radzikhovskii, K.B. - Street lighting fixtures produced by the Polish industry. p. 29.
Through the pages of foreign magazines. p. 30.
Series of overhead light fixtures with fluorescent lamps for dwellings and public buildings. p. 32.

Vol. 10, no. 4, Apr. 1964.

Table of contents translated:

Samoilovich, I.S. - Calculation of light losses in mine atmosphere. p. 1.
Pavlova, L.P. - Visibility conditions in welding shops of the heavy machinery industry. p. 6.
Dvorzhachek, V. - Lighting of streets and squares in Prague. p. 9.
Makonovitskii, A.N., Shapiro, L.P. - Evaluation of the performance of outdoor lighting systems. p. 14.
Rachkova, V.G. - Detection time of constant color signal lights with daylight level of background light intensity. p. 15.
Korolev, A.N. - Light intensity of the signal lights of indoor signaling systems. p. 18.
Aizenberg, IU.B., Zusman, A.S. - Requirements of light fixtures in the new 'Regulations for manufacturing enclosed electrical equipment." p. 20.
Kliuev, S.A., TSiperman, L.A. - Technical and economic comparisons of electrical lighting systems. p. 21.
Lur'e, M.G., Rozental', E.S. - Plug-type connector for industrial light fixtures with incandescent and DRL lamps. p. 23.
Knorring, G.M. - Reference materials for use in designing light fixtures with DRL lamps. p. 25.
Brief news. p. 27.
Baranov, V.K., and others. - D.N. Lazarev; on his 60th birthday. p. 28.
Dadiomov, M.S. - Work of the light engineering section of the Central Administration of the Scientific and Technical Society of the Power Industry in 1963. p. 29.
New incandescent lamps with iodine vapor cycle for automobile headlights. p. 30.
Through the pages of foreign magazines. p. 30.
Overhead and wall-type light fixtures with incandescent lamps. p. 32.

V POMOSHCH' RADIOLIUBITELIU [A GUIDE FOR RADIO AMATEURS]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 17, 1964.

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, no. 5, May 1964.

f. INDUSTRIES & TRADES

BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY]. Organ of Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistva pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 1, Jan. 1964.

Table of contents translated:

Editorial: Let's step up labor endeavor in the sixth year of the seven-year plan. p. 1.
Third Congress of the Scientific and Technological Society. p. 3.
Ivanov, S.N., Gorskii, G.M. - Synthetic fibers made from polyvinyl alcohol used in the manufacture of paper. p. 4.
Viatkina, O.V., Viatkin, D.G. - Use of hardwood in the manufacture of sulfate pulp for paper used in the electrical industry. p. 7.
Letonmiaki, M.N. - Changes in the composition of black liquors during evaporation. p. 9.
At the rated speed. p. 11.
Gutman, B.B., and others. - Oxide paper, the new type of condenser paper. p. 12.
Korobov, V.V. - Hydraulic conveying of chips in pipelines. p. 13.
Korchemkin, F.I., Bobrov, A.I. - Properties of acetylized electric insulation paper. p. 15.
Oshchepkova, E.P. - Antiseptic treatment of commercial wood pulp. p. 17.
Grinberg, M.M., and others. - Bleached reed pulp is a valuable intermediate product for the manufacture of the absorptive type of paper. p. 19.
Goldovskii, M.L., and others. - Temperature measurement on the surface of the dryer rolls of papermaking machinery. p. 20.
Kanevskii, V.M. - Automation of the breaking up of fibrous raw materials in hydraulic breakers. p. 21.
Pol't, R.I. - Assembly and testing of the device for measuring the moisture content of paper sheets. p. 23.
Finkel'shtein, G.E. - Application of calculating machines in the automation and control of complex industrial complexes. p. 25.

Pavlov, O. V. - Trademarks of the paper industry. p. 27.
Berkuta, A. V. - Need for polyacrylamide specifications. p. 29.
Preimak, F. K., Tegai, R. S. - Electric driving systems without regulators of the speed ratio are reliable and economical. p. 29.
Shnyrikov, D. G. - After the approval of the standard.... p. 30.
From foreign journals. p. 31.
Volunteer research workers discuss the ways to increase filler retention by paper. p. 2 of insert.
Useful books and articles for papermakers. p. 3 of insert.

No. 4, Apr. 1964.
Table of contents translated:
Expand research work in width and depth; editorial. p. 1.
Farber, S. R. - Imparting increased elasticity to paper by means of microcrinkling. p. 3.
Tovbin, B. M. - Expansion of the Balakhna Combine. p. 8.
Moskovkin, V. A. - "Elektroslіudinit," a factory of insulating micalike paper. p. 10.
Gol'dner, Kh. - Modern systems of regulated electric drives for papermaking machinery. p. 11.
Ovchinnikov, B. A., Levashov, A. P., Kutelnikov, A. F. - Producing according to the new technology. p. 15.
Poliakova, T. B. - Purification of waste waters in filter-settler structures. p. 21.
Margulis, S. A., Smirnov, A. A. - Pneumatic mechanical fuel feeder for steam boilers. p. 23.
On a shock construction project. p. 25.
Shcherbakov, V. S., Rastorguev, O. F. - Horizontal hydraulic breakers. p. 26.
State standards to be established in 1964-1965. p. 27.
Lurie, N. A. - Woodpulp and paper production on the world market. p. 28.
Osanov, P. B. - "Manual for the sulfite pulping operator." p. 31.
Fliate, D. M. - Overdue publications. p. 31.
From foreign journals. p. 32.
In the State Committee of the Forestry, Woodpul, Woodworking Industries and Forestry, Attached to the State Planning Commission of the U. S. S. R. p. 2 of insert.
Books and articles useful for papermakers. p. 4 of insert.

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 8, no. 3, Mar. 1964.
Table of contents translated:
Zav'ialov, A. A. - On the occasion of the 400th anniversary of book printing in Russia. p. 1.
Goncharov, M. D. - Evaluating the homogeneity of the mixture in the process of dough formation. p. 3.
Strazdina, Tenisone, Beitina, - Use of biomycin antibiotics as inhibitors of microflora. p. 9.
Golovko, IA. V. - Electroplating of food machinery parts. p. 11.
Kharlamova, O. A. - Studying the composition of the tanning substances of Accra and Baia cocoa beans. p. 15.
Alekseev, V. A. - Diagrams for determining the diameter of the discharge pipe of vertical cylindrical and rectangular receptacles. p. 21.
Fedchuk, N. - Work experience of the bakeries of the Volyn' Trust of Food Product Industries. p. 23.
Beschastnov, A. G. - Making of bread enriched with vitamins A and D_2. p. 26.
Raizman, IA. P. - Casting of bread molds. p. 28.
Yershov bakers have reduced the losses to zero. p. 30.
Zakota, P. - Attachment to the roller bag lifter. p. 31.
Frolova, L. - Unit for the preparation of oil-water emulsions. p. 32.
Eingor, M. B., Agas'iants, Z. A., Gorbovets, M. N. - Level indicator for free-flowing materials. p. 32.
Sosnovskii, L. B., Buzina, G. V. - Characteristics of the use of sugar beet pectin in the production of confectionery goods. p. 35.
Ruzanov, N. M. - Modernized detention time accelerator for dairy candies. p. 37.
Kormakov, S. I. - Machine for rolling and cutting "Praline" candy. p. 40.
Smolianitskii, M. IA. - Mechanized continuous production line for making cast "Iris" toffee. p. 41.
Serebriakov, M. N. - Processing of raw materials and intermediate products for confectionery goods in foreign countries. p. 44.
Letters to the editor. p. 46.
Information. p. 47.

Vol. 8, no. 4, Apr. 1964.
Table of contents translated:
Popov, P. K., Abeidulina, V. A. - Use of capital assets in the confectionery industry. p. 1.
Kizima, P. N., Shkvarkina, T. I. - Determination of the baking absorption property of flour by means of the farinograph. p. 5.
Zubchenko, A. B. - Coefficient of the saturation of saccharose in sugar-molasses-invertase solutions. p. 7.
Lur'e, I. S. - Rapid method for determining reducing sugars and total sugar in confectionery products. p. 10.
Samsonov, L. A. - Problems of the improvement of bread delivery to the retail trade. p. 11.
Rashevskii, T. A., Pirogov, L. A., Kogan, N. I. - Advantages of the combination of enterprises. p. 16.
Konoplev, V. F. - Bakeries should be concentrated under the jurisdiction of one State organization. p. 17.
Ipatova, G. I., Budanova, A. G. - Ways to improve the administration of enterprises. p. 19.
Skvortsov, V. M., Sharf, V. I. - From the work practices of the Odessa Bakery No. 5. p. 23.
Striukov, P. A. - Mechanization of the distribution of dough pieces into molds. p. 24.
Loboda, I. I. - Complete mechanization of the chocolate shops. p. 26.
Koshubliak, O. M. - Description of the mechanized continuous line for the production of halvah. p. 27.
Ruzanov, N. M. - Mechanized continuous line for the production of chocolate masses with a proportioning station of the rotary type. p. 28.
Antokol'skaia, M. IA., Rumiantseva, E. F., Khaenko, A. I. - Effect of creamery butter on the physico-mechanical properties of the butter cream. p. 32.
Burchuladze, V. P., Kulikova, L. D., Sosnovskii, B. A. - Introduction of the operational accounting for the costs of production in the Leningrad Macaroni Factory. p. 36.
Marshaikin, G. A., Dragilev, A. I. - Compression of milled cocoa in a horizontal press. p. 38.
Poliakova, E. S. - New macaroni factories in foreign countries. p. 41.
Vinogradova, A. A., Zaichik, TS. R. - Sedimentation method for determining the quality of wheat grain. p. 45.
Review and bibliography. p. 45.
Information. p. 46.

KOZHEVENNO-OBUVNAIA PROMYSHLENNOST' [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie NTO legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol. 5, no. 12, Dec. 1963.
Table of contents translated:
Technological progress in the leather industry; Editorial. p. 1.
From the report of A. N. Mikhailov "Generalization of the practices of the leather industry in the use of worm apparatus and ways for their further improvement." p. 3.
From the report of S. G. Ponomarev "Generalization of industrial practices in the manufacture of chrome leather from pig skins and cattle hides on continuous and semiautomatic lines." p. 6.
Gus'kov, F. G. - For a strict standardization of production in the leather and footwear industry. p. 9.
Fel'dman, IA. I. - Improving the establishment of norms is an important factor in the increase of labo productivity. p. 11.
Arkhipkin, I. M., Ginsburg, V. N. - Work practices of the "Vostok Production Combine in Moscow for the manufacture of standard shoes. p. 13.
Timokhin, N. A., Mozhaev, P. F. - Complete utilization of the wastes of natural leather from the leather industry. p. 15.
Blokh, G. A., and others. - Radiation vulcanization of rubber compounds for soles. p. 18.
Kunashov, V. F. - Improve the quality of leather dyeing. p. 23.
Babich, I. IA. - Effect of ash content on the quality of hide glue. p. 27.
Varteresian, V. A. - Stitched and cemented toddler shoes. p. 28.
Brusilovskii, M. I., Zhabovskii, A. F. - Substituting fabrics for felt in the cuffs of roller machines. p. 29.
Gorbanev, V., Kuznetsov, V. - New press for sole gluing. p. 30.
Shapiro, A. E., Shifrin, I. G., Kovtunovich, S. D. - "New technological processes in leather manufacture" by P. I. Levenko, M. A. Khelemskii. p. 31.
Response to published materials. p. 34.
Robinzon, K. M. - Methods for the manufacture of artificial leather. p. 36.
Golovteeva, A. A. - Use of the wastes of leather manufacture as fertilizers. p. 37.
Index of articles published in the "Kozhevenno-obuvnaia promyshlennost'" journal during 1963. p. 38.

Vol. 6, no. 2, Feb. 1964.
Table of contents translated:
Novikov, V. S. - Mobilize all efforts of the members of the Scientific and Technological Society of the Light Industry for the fulfillment of the seven-year plan ahead of time. p. 1.
Resolution of the Presidium of the Central Administration of the Scientific and Technological Society of the Light Industry. p. 8.
Geraskin, N. N. - Building-block principle in the planning and design of the light industry enterprises. p. 10.
Timokhin, N. A. - Efficient utilization of the wastes of leather industries. p. 14.
IAkadin, A. I. - Standards for oak wood extracts. p. 18.
Komissarenko, IU. S. - Experience in the use of operational accounting for the production results at the "Lenin Order" Fur Combine in Kazan. p. 19.
Mironov, N. - Foremost workers of the Shoe Combine in Leningrad. p. 23.
Ovećkis, E. S., Vasilets, T. A., Rokhlenko, R. M. - Methodology for determining the tensile strength of leather raw materials. p. 24.
Zybin, IU. P., Kareva, V. E. - Design and standardization of the shape of flat counters. p. 28.
Shtern, I. A., and others. - Artificial carboxylate leather. p. 32.
Solov'ev, N. S. - Effect of the utilization of leather wastes and splits on the economics of the manufacture of Russian leather. p. 34.
Motekaitis, P. L. - Circular apron conveyor. p. 41.
Brusilovskii, M. I., Zhabovskii, A. F. - Utilization of the worn-out cutters of band-knife splitting machines for the drum dryers in glue manufacture. p. 42.
Morozov, B. N., Trunovskaia, A. S. - Efficient utilization of hides. p. 42.
Verbitskaia, I. D. - Self-discharging drum. p. 44.

Vol. 6, no. 4, Apr. 1964.
Table of contents translated:
Aleksandrov, P. D. - Chemicalization of the leather, shoe, fur and leather dry good industries in connection with the resolutions of the December Plenum of the Central Committee of the CPSU. pp. 1, 37.
Nagornykh, I. A. - Efficient use of the working capital. p. 4.
Kozlov, D. A. - Economical use of raw materials and supplies is an important potential for the reduction of the costs of production in shoe manufacture. p. 8.
Khavkunov, P. IA., Sunduk'ian, P. S. - Role of the slaughtering stations and slaughtering platforms in the improvement of the quality of raw leather. p. 10.
Gurevich, S. L., Khlebnikov, S. P. - Centralized memorizing system for dispatching operations. p. 14.
Ulanov, S. A. - "Efficient utilization of raw materials with the porosity defect in show manufacture." p. 17.
Solov'ev, N. S., Bol'shakov, P. A. - Mechanical technology of leather. p. 18.
Krasnov, B. IA., Mel'nikova, I. L. - Use of elastic polyurethane materials in shoe manufacture. p. 24.
TSerevitinov, B. F., Ignatov, IU. V., Ignatenko, V. B. - Heat insulation properties of fur garments. p. 27.
Chentsova, K. I., Kareva, V. E. - Present-day requirements for heels. p. 29.
Khoroshaia, E. S., and others. - Determining the migratory stability of organic pigments and lacquer in polyvinyl chloride films. p. 32.
Karpman, M. I. - Use of ferments in the production of tanning extracts. p. 33.
Verbitskaia, I. D. - Mechanization of loading, unloading and mechanical operations in the liming shops. p. 34.
Motekaitis, P. L. - Dryer for the precuring of stiff leather. p. 35.
Timokhin, N. A. - Effect of hydrosulfide additives on the intermediate product. p. 38.
Kuznetsova, N. I. - New problems concerning the utilization of new auxiliary procedures in the leather industry. p. 40.
Golovteeva, A. A. - Artificial Corfam leather. p. 41.
Fomin, N. - From all parts of the country. p. 42.
Aslanly, M. - Use chemistry in the manufacture of consumer goods. p. 43.

From pages of factory wall newspapers. p. 43.
Khodosova, V. N. - Special feature exhibition. p. 44.

LEHKA PROMYSLOVIST' [LIGHT INDUSTRY]. Issued by Instytut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordinatsii naukovo-doslidnykh robit and Ukrains'ke naukovo-tekhnichne tovarystvo lehkoi promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of Light Industry]. Kiev, no. 4(16), Oct.-Dec. 1963.

Table of contents translated:

Orlov, I.V., Dubrovnyi, V.P. - Semiautomatic device indicating the termination of the steaming and pressing process of clothing with variable moisture content. p.3.
Cherednychenko, IA.F., Hurnovych, O.V. - Semiautomatic machine for the coating and drying of adhesive films. p.9.
Shor, R.M., Brahins'kyi, M.A. - Mechanized system for drying Russian leather by the glued-on-glass method. p.11.
Dechko, B.I., Pozhars'kyi, D.S. - Continuous production lines for the wet operations in the production of stiff leather in the Ivano-Frankovsk Leather Combine. p.13.
Morin, IU.F. - Processing of lavsan polyester fibers in a blend with spun viscose. p.18.
Kohan, O.G. - Use of nylon filaments in the manufacture of blended cotton-nylon yarn. p.24.
Hutina, H.L. - Woolen cloth type nonwoven fabrics. p.27.
Orlov, I.V., Bereznenko, M.P. - Study of the processes of garment steaming and pressing. p.31.
Tret'iakova, L.I. - Allowances in the tailoring of coat fronts. p.38.
Hryhorian, Zh.S. - Calculating the strength of bulky yarns on the basis of the breakage curves of the yarn and its component fibers. p.43.
Braha, D.T. - Strength of hosiery manufactured on cotton machines and uniformity of the loop structure. p.50.
Ponomar'ov, S.H., Oleinyk, M.M., Cheranovs'ka, S.B. - Synthetic adhesives for the gluing-on of leather on the glass plate. p.53.
Skvaryk, V.P. - Design of the presser pad and strength of the glued joints of the sole parts. p.55.
Moroz, I.I., Slvchykova, M.H., Filipenko, T.F. - Use of compositions from rare earths and rare earth metals in the manufacture of glass and ceramic articles. p.62.
Sen', Z.P., Luhans'kyi, V.I., Luchka, M.Kh. - Firing of decorated glazed earthenware in conveyor kilns without muffles. p.68.
Zahlubots'kyi, P.M. - Economic efficiency of the modernization of the textile industry equipment. p.74.
Voloshko, H.T. - Plunger lubricator for pouring velosite into the spindle bushings of spinning and winding machines. p.75.
Neverovs'ka, V.O., Khoradkovs'kyi, A.I. - Improved design of the apparatus for parallel winding on the MT-150 cross winder. p.76.
Pil'tser, S.M. - Work practices of the Kharkov Knit Goods Factory No. 2. p.77.
Safranovych, V.M., Davydenko, IU.O. - Redesigning of the automatic NOR-18 single-process knitting machine for fancy hosiery. p.78.
Eidel'man, M.I., Lempert, V.M. - Anticorrosive protection of the aluminum forms of the machines for the stabilization of nylon hosiery. p.79.
Shevchenko, O.M. - Device for the exchange of valve seats. p.81.
Proposals of efficiency promoters. p.81.
Kharkov Shoe Factory. p.81.
Zhitomir Shoe Factory. p.85.
Kiev Shoe Factory No. 6. p.86.
Meleshkin, M.T. - Ways to improve the utilization of the productive capacity of production combines. p.89.
Fourth Report and Election Meeting of the Scientific and Technological Society of the Light Industry in the Ukraine. p.92.
Article published in the "Lehka Promyslovist'" journal during 1963. p.94.

MIASNAIA INDUSTRIIA SSSR [MEAT INDUSTRY OF THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-Tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 34, no. 6, 1963.

Table of contents translated:

Prospects and tasks of the poultry processing industry. p.1.
Nikitin, B. - Objective methods for evaluating the quality of poultry meat. p.4.
Ishukov, V. - Drying of poultry meat by sublimation. p.6.
Ochkin, V. - Passivation of tin cans for canned food. p.8.
Rozengauz, V. - Mechanization of the thermal processing of sausage. p.12.
Rodin, V., Gaevoi, E. - Calculating the weight losses of salted hides. p.15.
Fedorov, V. - Sanitary and veterinary inspection of the meat and organs of cattle affected by leukemia. p.17.
Romodanov, A., Chulko, A. - Floors for meat combines made of "plastic" concrete. p.20.
Thirthieth anniversary of the Meat Combine in Baku. p.22
Sarbaev, M. - Payments for cattle according to the weight and quality of the meat. p.23.
Stefanovich, Z., Lifshits, D. - Modification of the system for the receiving of and accounting for beef cattle. p.24.
Kurkov, IU. - Defects of hides occurred during the life of the animal. p.24.
Tugai, V., Titova, V. - Improvement of the processing of poultry and labor productivity. p.25.
Burmistrov, P. - Establishing expenditure norms for the processing of poultry. p.27.
Levitin, S. - Calculating the output in meat and fat production. p.28.
Broida, T. - Increase the profitableness of sausage production. p.30.
Tarasov, V., Kaliuzhnyi, D. - Apparatus for the electric stunning of poultry. p.32.
Abashin, P. - Modernization of the conveyor lines for the processing of waterfowl by the slaughterhouse methods. p.33.
Motylenok, E. - Machine for the defeathering of killed birds. p.35.
Gimel'farb, N., Ivanov, K. - Mechanization of the conveying and drying of waterfowl feathers. p.36.
Fokin, N. - Feed meal prepared from wing flaps. p.37.
Ochakovskii, V., Tarasova, G. - Simplified processing of poultry on a conveyor. p.38.
Suranov, A. - Reclamation of waxes. p.39.
Kuz'min, G. - Reorganization of poultry plants at minimum costs. p.39.
Shelko, N. - Booth for cattle sorting. p.41.
Miropol'skii, I., Mitin, P. - Mechanized line for the processing of tripes. p.42.
Peleev, A. - Determining the duration and speed of the thermal processing of meat products. Thermophysical bases of the process. p.43.
Kurko, V., Kel'man, L. - Separation of dimethyl esters of pyrogallol and its homologs by means of paper chromatography. p.50.
Maliutin, P. - Consultation. p.53.
Information. p.54.
Follow-up of published articles. p.60.
In foreign countries. p.59.
Correspondence conference of the readers of "Miasnaia industriia SSSR" journal. p.60.
Index of articles published by the journal during 1963. p.60.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SHVEINOI PROMYSHLENNOSTI. Nauchno-issledovatel'skie trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE CLOTHING INDUSTRY. Scientific Research Papers]. No. 10, 1962.

Table of contents translated:

Kolesnikov, P.A., Gushchina, K.G. - Comparative analysis of heat insulation materials for clothing. p.3.
Ter-Ovakimian, I.A., and others. - Methodology for the pattern design of men's shirts. p.17.
Pankova, L.N., Suslina, O.I., Lechitskaia, R.I. - New technology for the manufacture of men's shirts. p.45.
Kobylianskii, D.I., Dotsenko, G.I. - Basic designs of industrial clothing. p.59.
Safronova, I.V. - Breakage of sewing threads of various materials and structure on the 22-A Class PMZ sewing machine. p.84.
Brylina, E.P. - Multiple-position automatic turret-type machine for the processing and assembly of small clothing parts with the use of thermoplastic adhesives. p.91.
Ovchinnikov, M.M. - New equipment for the processing of the bottom part of pants with cuffs. p.107.
Kusner, B.A., Petrov, N.I. - Machine for inlaying and fastening of thermoplastic films and edging. p.115.
Bol'shov, B.P. - Trends in the improvement of steam and hot air presser forms. p.123.
Kusner, B.A., Petrov, N.I. - Semiautomatic multiple-position lifter presser-conveyor for the steaming of clothing. p.132.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MIASNOI PROMYSHLENNOSTI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE MEAT INDUSTRY. Transactions]. Moscow, no. 13, 1962. Issledovaniia v oblasti proizvodstva zhirov, zhelatina, organopreparatov i tekhnologii obrabotki shkur [Study in the field of the production of fats, gelatin, organic preparations and [illegible] technology for the processing of hides and skins].

Table of contents translated:

Liberman, S.G., Petrovskii, V.P. - [illegible] method for fat extraction from soft raw fatty substances. p.3.
Gaevoi, E.V., Dmitrieva, G.P. - Use of [illegible] salts for the preservation of fur [illegible]. p.20.
Gaevoi, E.V., Dmitrieva, G.P. - [illegible] treatment method for the preparation of [illegible] gelatin-yielding materials for gelatin [illegible]. p.30.
Virnik, D.I., and others. - Preparation of gelatin from raw materials processed with [illegible] method. p.52.
Kukharkova, L.L., and others. - Development of the method for the disinfection of [illegible] for raw materials from animals affected by [illegible]. p.64.
Volkova, L.P., Ladanova, Z.V. - [illegible] for nickel control in meat. p.[illegible]
Rubashkina, S.Sh. - Development of the [illegible] method for determining chlorides [illegible]. p.80.
Pliul'skaia, V.I. - Inhibition of oxidation processes occurring in the esters of fatty acids and [illegible] pork under the action of [illegible]. p.[illegible]
Belen'kii, N.G., and others. - Development of chemical methods for determining the [illegible] activity of the pancreas and analysis of its [illegible] during autolysis. p.95.
Krylova, N.N., Bazarova, K.I. - [illegible] for determining the activity of [illegible]. p.112.
Belen'kii, N.G., and others. - Method [illegible] preparation of "MP" hydrolyzates from [illegible] and their properties. p.125.
Sovol'tanov, B.A. - Biological evaluation and the characteristics of heteropolymer [illegible] with highly denatured proteins. p.[illegible]
Kalita, L.A. - Production costs of cattle [illegible] in meat combines of various capacities. p.[illegible]
Mitusova, N.M. - Economic efficiency of the use of conveyors in cattle slaughtering and [illegible] dressing. p.162.

No. 15, 1963. Usovershenstvovanie tekhnologicheskikh protsessov v miasnoi promyshlennosti [Improvement of technological processes in the meat industry].

Table of contents translated:

Kolesnikova, A.A. - Using the wastes of cotton-processing industries for the fattening of [illegible] cattle. p.3.
Kurtiyn, N.I. - Effect of molasses silage on the meat quality of beef cattle. p.7.
Grudov, D.I., and others. - Use of the tissue preparation VNIIMP-3 in the fattening of [illegible]. p.[illegible]
Volnova, P.A., Sinitsyn, K.D. - Machine with continuous action for cattle hide flaying. p.19.
Gaevoi, E.V., and others. - Use of formaldehyde compounds for the conservation of fur and [illegible] sheepskins. p.24.
Gaevoi, E.V., and others. - Efficiency of the use of formaldehyde compounds for the conservation of fur and coat sheepskins during long storage of the raw materials. p.43.
Gaevoi, E.V., and others. - Development of the methodology for the processing of fur sheepskins preserved with formaldehyde hyposulfite compounds. p.56.
Gaevoi, E.V., and others. - New method for the conservation treatment of raw leather in a [illegible] apparatus. p.67.
Virnik, D.I., and others. - New technology for the production of bone glue in the Briansk Packing House. p.79.
Virnik, D.I., and others. - Development of a new technology and mechanized continuous production line for the manufacture of edible gelatin from collagen-containing pigskins. p.84.
Gorbatov, V.M., Pozhariskaia, L.S., [illegible], L.P. - Apparatus developed by the All-Union Scientific Research Institute of the Meat Industry for blood evaporation under vacuum. p.94.
Gorbatov, V.M., Bukharev, N.I. - Drying system for the dehydration of meat products. p.[illegible]

MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE]. Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 29, no. 10, Oct. 1963.

Table of contents translated:

Editorial: Take care of grain, the great wealth of our country. p.1.
Saenko, G., Gol'dberg, A., Osadchii, B. - Determining the level of mechanized work at the grain receiving enterprises. p.3.

Garmash, A. - Ways for reducing expenses for the transportation of grain cargoes in Novosibirsk Province. p. 7.

Zhuravlev, A. - Reliability of remote automatic control of machine operations at grain receiving and grain processing enterprises. p. 9.

Blidman, A. - Exhibition of Means for the Automation of Operations at Grain Receiving and Grain Processing Enterprises. p. 11.

Kramarenko, G., Keda, A. - Radioactive isotopes as means of controlling grain pests. p. 14.

Zinger, E. - Testing the ZSPZh-8 grain dryer in drying common corn. p. 14.

Kartoshkin, A. - Vitaminization of flour at the Kirov Flour Mill No. 1. p. 15.

Salun, I., and others. - Changes of the quality of groats during storage. p. 16.

Koroleva, V., Pekhova, I. - Stability of antibiotics in fillers and mixed feeds. p. 20.

Brief news. p. 22.

Kulakovskii, A. - Technical and economic comparison of granaries of various designs. p. 23.

Geinbom, L. - Introduce the standard for determining the cracking tendencies in corn. p. 27.

Ponomarev, V. - Installing millstone sets, processing and cutting millstones. p. 28.

Dorogush, V. - Needs of laboratories of grain receiving stations. p. 31.

Soibel'man, E. - Experiments in the use of the ZS roller mills. p. 31.

Bardyshev, G. - Molasses as a valuable ingredient of mixed feeds. pp. 32, 3 of cover.

REFERATIVNYI ZHURNAL: LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1964. [This journal is also issued in parts].

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]. Moscow, no. 1(38), 1964.

Table of contents translated:

Turchaninov, A.A. - Labor expenditure in the manufacture of goods in the woolen industry. p. 3.

Saidenov, G.D. - Basis of the formula of the air permeability of fabrics. p. 9.

Flekser, L.A., Danilova, L.I. - Effect of the relation between the number of cotton fibers in groups and their transparency. p. 16.

Tikhomirova, E.V. - Studying the effect of temperature and time of drying on the properties of flax yarn. Report No. 1. p. 19.

Prozorova, G.E. - Studying the relation between the component parts of deformation, crease-resistance and drapability of fabrics. p. 26.

Khomutskii, N.D. - Studying the relative rate of drying of large-stemmed bast fiber materials. p. 32.

Levin, V.B. - Elements of the theoretical analysis of the process of the thinning of a layer of retted straw. p. 39.

Kuznetsov, IU.I., Truevtsev, N.I. - Small spinning unit. p. 46.

Usenko, V.A., Lalykina, K.M. - Determining the optimum technological parameters of the manufacture of slightly stretching bulk yarn from polyamide and polyester fibers. p. 53.

Kiselev, R.M. - More about the design of the fillet for the receiving drums of carders. p. 60.

Koniukov, P.M., Efros, B.E. - Use of reinforced viscose and nylon staple fibers in a mixture with cotton for the manufacture of high-number yarns for knit goods. p. 66.

Filatov, G.M. - Irregularity of the rotation of the main shaft of a loom. p. 72.

Lobzhanidze, G.V. - Determining the coefficient of the friction of silk yarn over the warp winding surface of the loom beam. p. 77.

Parfenov, D.L. - Value of the angle of the pick in the process of the formation of fabrics. p. 80.

Volkov, P.V. - Technologically required dimensions of reeds. p. 86.

Ustinova, E.T., Volutskii, S.S. - Manufacture of nonwoven filter materials by means of the impregnation of fibrous systems with the dispersions of high polymers. p. 92.

Bel'tsov, V.M., Kharkharov, A.A. - Effect of chlorine bleaching on the waxlike substances and lignin of vegetable fibers. p. 97.

Brazauskas, V.V., Moryganov, P.V. - Wool dyeing with acid metal-complex dyes of the complex 1:1 type. p. 103.

Begishev, F.N. - Methods for the development of an automated loom of a new type with pulsed pick of the thread guide. p. 110.

D'iakov, V.I. - Approximation method for calculating the curve of the start of a metal-weaving loom shuttle in case of the replacement of the picking mechanism by an induction motor with flat stator. p. 117.

Pilipenko, V.A. - Studying the speed of the motion of the wefting on a pneumatic loom. p. 120.

Palei, B.Sh. - Conditions of the power locking of the winding mechanism on ring spinning machines. p. 126.

Gladkikh, N.IA. - Design of the profile of the guide block for winding mechanisms with hydraulic drive. p. 135.

Sokol'skii, M.T. - Efficient design of the comb mechanism of a carder. p. 143.

Ditskii, A.V. - Determining the law of motion of the driven disk of the friction clutch of the warp release and tension mechanism of the Sultzer loom. p. 151.

Latyshev, V.N. - Industrial testing of a new lubricating and cooling fluid in textile machinery plants. p. 161.

Sukharde, A.V. - Concerning the 9599-61 State Standard "Weaves (simple). Technicalities and specifications." p. 164.

*SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 11(323), Nov. 1963.

Table of contents translated:

Toward new achievements in the expansion of welding. p. 1.

Bel'chuk, G.A. - Dynamic strength of joints between steel and aluminum alloys. p. 3.

Fridliand, L.A., Zinov'eva, T.N., Konov, IU.K. - Welding aluminum with titanium. p. 5.

Korolev, N.M. - Welding dissimilar steels. p. 8.

Tikhomirov, V.I., and others. - Character of nonmetallic inclusions during the butt welding of pipe heated by high-frequency currents. p. 10.

Turkin, P.S. - Automatic hard facing under flux of high chromium steel with a powder strip electrode. p. 13.

Kuznetsov, O.M., Erokhin, A.A., Welding heat-resistant nickel alloys with IMET-4P electrodes. p. 15.

Kobylianskii, I.F., Peshekhonov, V.D. - Argon arc welding of heterogenous heat-resistant steels and alloys. p. 18.

Zairov, K.Z. - Alloying wear-resistant tungsten hard facing with the help of a scheelite concentrate. p. 21.

Asnis, E.A. - Semiautomatic welding of 09G2DT(M) steel in carbon dioxide. p. 23.

Antonov, E.G. - Cracks in the welded joints of titanium alloy structures. p. 25.

Koltunov, P.S., Nekrasov, IU.I. - Comparative testing of torches for propane-butane welding. p. 27.

Oboturov, V.I. - Automatic argon arc welding of a thin-sheet AMg6 alloy following chemical etching. p. 29.

Kovalenko, I.I., L'vovskii, IA.L., Kuz'min, IU.P. Semiautomatic welding with a magnetized flux. p. 31.

Tarnarutskii, M.A., Zholobov, B.Kh., Brovtsev, V.A. - Machine for welding tips to long, small-diameter tubes. p. 32.

Kupin, N.V., Shabovta, V.V. - Special electrode holder for spot welding machines. p. 33.

Krylovetskii, A.S. - Equipment for the automatic hard facing of cylindrical parts. p. 34.

Sementsov, N.Z. - Correction of foundry rejects by welding-up in an atmosphere of water vapor. p. 35

Stroiman, I.M. - The MSKHS-20 machine for cold butt welding of thin aluminum and copper. p. 36.

Sapiro, L.S. - I.N. Grabov's article "Acceptable aluminum content in the Sv-08 and Sv08A welding wire steel." p. 38.

Grabov, I.N. - Answer to L.S. Sapiro on his remarks about I.N. Grabov's article "Acceptable aluminum content in the Sv-08 and Sv-08A welding wire steel." p. 39.

Anders, V. - Welding equipment from the German Democratic Republic at the 1963 Leipzig Fair. p. 40.

Larri, O.IA. - Conference on the reliability and quality of electric welding equipment. p. 45.

Volchkov, V.G., Mel'nichenko, N.T. - Reliability of TS-500 welding transformers. p. 46.

Soviet inventions in welding. p. 47.

Foreign publications on welding. p. 47.

g. MECHANICAL ENGINEERING

AKADEMIIA NAUK SSSR. Izvestiia. Energetika i transport [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Power Engineering and Transportation]. Moscow, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Venikov, V.A. - Present simulation techniques in the solution of scientific and technical problems. p. 141.

Breitman, V.M. - Complications in the classical approach to the modeling of electromagnetic fields with variable physical coefficients. p. 160.

Ivanov-Smolenskii, A.V., Lapchenko, P.I. - Determination of frequency and load characteristics of saturated asynchronous machines using a similitude method. p. 169.

Kovalenko, V.P. - Equivalent transformation of complex electric power systems. p. 182.

Orurk, I.A. - Equivalent representation of a group of stations of a complex power system in oscillatory modes of operation. p. 191.

Zhukov, L.A. - Transformation of complex electric power systems in stability calculations. p. 202.

Mikhnovich, G.V. - Electromechanical equivalent representation in an automatically controlled power system. p. 210.

Morozovskii, V.T. - Equivalent representation of the generators of autonomous electric power systems in the calculations of static stability. p. 220.

Mel'nikov, N.A. - Equivalent representation of an active equivalent circuit. p. 227.

Khasilev, V.IA. - Linear and linearized transformations of hydraulic networks. p. 231.

Omel'cheko, K.G. - Problems of the experimental determination of thermal and physical coefficients using self-simulating techniques. p. 244.

Lokai, V.I. - Gas turbine with blades of equal strength in height. p. 248.

Reznikovskii, A.Sh. - Modeling of hydrologic series and calculation of the regulation of the runoff by cascades of hydroelectric power stations over a period of years. p. 255.

Nestrakhov, A.S. - Absorption of gamma rays in a layer of solid fuel during a gasification process. p. 260.

Zuev, E.N. - Seminar on increasing the frequency in electric power systems. p. 270.

AKADEMIIA NAUK SSSR. Izvestiia. Mekhanika i mashinostroenie [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mechanics and Machine Building]. Moscow, no. 2, Mar.-Apr. 1964.

Table of contents translated:

IUrii Nikolaevich Rabotnov; on the occasion of his 50th birthday. p. 3.

Ivanov, IU.N. - Optimum combination of propulsion systems. p. 9.

Kholiavko, V.I. - Hypersonic gas flow about a plain obtused plate at a low angle of attack. p. 19.

Ovchinnikov, O.N. - Steady viscous fluid flow near a permeable plate. p. 24.

Entov, V.M. - Unsteady processes in the flowing of an oil well. p. 31.

Priazhinskaia, V.G. - Ground water flow in a rectangular dike with an impermeable vertical wall. p. 41.

Kharlamov, S.A. - Using Rezal's theorem in determining dynamic drift of a gyroscope in gimbals. p. 50.

Shliakhtin, A.V., Kushul', M.IA. - Balancing of flexible rotors. p. 61.

Bruevich, N.G., Sergeev, V.I. - The problem of precision in the theory of reliability. p. 78.

Borodachev, N.M. - Dynamic contact problem of a punch with a flat circular base on an elastic semispace. p. 82.

Shul'kin, IU.B. - Stressed strained state of a circular disk loaded along separate radii. p. 91.

Safronov, IU.V. - Initial stresses in sectional wheels with spokes. p. 96.

Kuzin, P.A. - Dynamics of a rigid plastic cylindrical shell of finite length. p. 105.

Birger, I.A. - Methods of elastic solutions in the theory of a plastic flow. p. 116.

Dovnorovich, V.I. - Action of a circular punch on an elastic layer of finite thickness supported by a rigid foundation. p. 119.

Burshtein, L.S. - Investigation of local deformations caused by the bending of a hollow shaft. p. 123.

Shvarev, V.V. - Strength of steel in case of an increasing amplitude of variable stresses. p. 130.

Usiukin, V.I. - Deformations of membranous shells of revolution. p. 134.

Nedorezov, P.F. - Torsion of a cylindrically orthotropic shallow shaft by tangential forces distributed along the side surface. p. 140.

Remorov, N.D., Smolovik, I.I. - Some problems of the deformation of a sector of a finite shallow cylinder. p. 147.

Aleksandrov, A.IA. - Representation of the components of three-dimentional axisymmetric state of a transversally isotropic body by means of the functions of a complex variable and contour inte-

grals. p. 149.
Goloskokov, E.G., Filippov, A.P. - Nonstationary bending and torsional vibrations of the engine-rotor system. p. 153.
Shkutin, L.I. - Dynamic snapping of disk springs, p. 157.
Liashenko, V.F. - Integrating equations of the motion of a gyroscopic pendulum in finite angles. p. 160.
Bykhovskii, I.I., and others. - Some periodic movements and the structure of the phase space of an impact-vibration system with a regularly recovered force. p. 161.
Kurzin, V.B. - Calculating forces in case of arbitrary minor vibrations of profiles in a cascade. p. 165.
Dokuchaev, L.V. - Added inertia moment of a fluid in a cylinder having partitions and rotating around the longitudinal axis. p. 168.
Gorelov, D.N. - Vibrations of an elliptical cylinder in a viscous noncompressible fluid. p. 171.
Maikapar, G.I. - Unidimensional viscous fluid flow between two cylindrical walls. p. 175.
Churikov, F.S. - Integrating equations in the theory of a water hammer. p. 176.
Vasil'ev, O.F., Voinov, A.K., Romanov, E.M. - Experimental investigation of quicksand flow in a stratum. p. 179.
Kocheshkov, A.A., Vezirov, D.Sh., Kodzhaev, Sh.IA. - Some characteristics of the flooding mechanism of fractured porous reservoir rocks. p. 183.
Kartvelishvili, N.A. - Errors in determining the probability of the disturbance of stability of some dynamic systems. p. 186.
Filin, A.P. - Using electronic digital computers in the theory of structures. p. 188.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol. 42, no. 4, Apr. 1964.

Table of contents translated:
Kalabukhov, F. - Improve the standards of organization work. p. 1.
All efforts for the development of agriculture. p. 4.
Improve the utilization of automotive rolling stock in the construction industry. p. 6.
Arkhangel'skii, IU., Kogan, E. - Perfect organization and aesthetics in automotive transportation units. p. 8.
Dmitrienko, A. - Lathe operator and innovator. p. 10.
Penza, E. - Innovators' achievements in an automotive unit. p. 12.
Romanov, D. - Green light to the products of the chemical industry. p. 13.
Ziazev, V. - Centralized agricultural freight transportation. p. 15.
Lesov, IU. - Improving the delivery of food and industrial goods. p. 17.
Babaeva, L., Selitskaia, S. - Storage of charged lead batteries. p. 19.
Development of the operational and technical base for automotive transportation. p. 22.
Malyshev, G. - Plastics should be used in motor vehicle repair shops. p. 25.
Sizov, G. - Iron-plating shop at the Saratov motor-vehicle repair plant. p. 26.
Diumin, I., Podshchekoldin, M. - Surface quality of repaired articles. p. 30.
IAnchukovskii, B. - Repair of bearings of the distributing and balancing shafts. p. 32.
Moshchalkov, A. - Effectiveness of concentrated freight handling at transportation junctions. p. 35.
Litvinenko, T. - Approximate method for establishing efficient routes. p. 37.
Shumakov, R. - How we succeeded to reduce the cost of taxicab transportations. p. 39.
Sirotkin, Z. - Characteristics of the design and operation of heavy-duty motortrucks of the White Russian Automobile Plant. p. 41.
Kobylianskii, I. - The OdA3-869 passenger semitrailer. p. 43.
Poz, Z. - Universal panel body. p. 45.
Traffic engineering and safety. p. 47.
Training specialists. p. 48.
Reader's letters. p. 50.
Exchange of experience. p. 51.
Information. p. 53.
Automobile racing. p. 58.
Abroad. p. 59.
New books. p. 63.

Vol. 42, no. 5, May 1964.
Table of contents translated:
Bratchenko, I. - Efficiency of shifting short-range freight from railroad to automotive transportation. p. 1.
Kadykov, N. - For perfect organization of working conditions. p. 4.
Skornetskii, V. - Sanitary working conditions for automobile drivers. p. 6.
Akchurin, Kh. - Veterans exchange experiences. p. 7.
Tropp, I. - One of many. p. 7.
Kurmashev, R. - Potentialities for the improvement of agricultural goods transportation. p. 9.
Means for improving transportation and expedition facilities of goods. p. 11.
Sergeev, S. - Dispatching and line control in action. p. 14.
Drozdov, I. - New developments in the operations of the Orel Bus Station. p. 15.
Cherednichenko, P., Pesenko, A. - Durability of piston rings. p. 17.
Mokin, A. - Stand for testing electric equipment of motor vehicles. p. 19.
Guslits, V. - Two-post hoist for motor vehicles. p. 20.
Novikov, E. - Cart for removing engines from the PAZ-652 motorbuses. p. 22.
Gaba', IA. - Introducing the repairing of cars by units and zones. p. 23.
TSiperfin, I. - Centralize oneterprises repairing motor vehicles. p. 25.
Maiboroda, B. - Repairing and improving the reliability of the T-9 taximeter. p. 27.
L'vin, M. - Using metal spraying in repairing engines. p. 30.
Kuprianov, V. - Unit for boring bearing seats in gearbox crankcases. p. 32.
Sinitskii, A. - Method for the solution of problems in routing mass freight haulage. p. 33.
Potapov, M. - Use motortrucks on the by-the-job instead of by-the-hour basis. p. 35.
Soshin, E. - In calculating the bonus for repair workers you should exactly account for the output of repaired motor vehicles. p. 37.
Velikanov, D., Lakhno, R., Bernatskii, V. - Requirements for the design of motor vehicles used in the northern area of the U.S.S.R. p. 39.
Festa, G. - Structural measures for facilitating the maintenance of the ZIL-130 motortruck. p. 42.
Traffic organization and safety. p. 46.
Training specialists. p. 48.
Readers' letters. p. 50.
Exchange of experience. p. 51.
Information. p. 55.
Abroad. p. 59.
Reviews and bibliography. p. 61.
New books. p. 63.

ELEKTRICHESKAIA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no. 12(84), Dec. 1963.

Table of contents translated:
Konovalov, S.E. - Set higher standards for the creative activities of volunteer engineers and technicians. p. 1.
Kamenetskii, B.G., Novikov, A.V. - Contactless transfer relays for diesel locomotives. p. 4.
Belousov, V.N. - Ways to detect and eliminate the causes of crankcase compression on 2D100 diesel locomotives. p. 6.
Kuznetsov, V.I., Pavliuk, B.A. - Installation of a type KMV condenser unit in the open-air section of a substation. p. 7.
Liubov, V.IA. - Our method for reconditioning brush holders. p. 8.
Koshman, V.M., Isaev, V.A., Teplykh, I.G. - Protection of overhead contact systems against wind and icing (from the experience gained last winter). p. 9.
Pushkareva, S.A., Maksakova, T.N. - Electroless nickel plating of parts made from aluminum alloys. p. 12.
Urman, S.E., Morozov, A.M., IAkunin, V.M. - Additional device for speed control on electric trains. p. 13.
Bobrov, E.G., Dorogov, IU.G. - Methods for preventing the partial phase operation of mercury rectifiers. p. 16.
Kamenev, N.N., and others. - Economical sand expenditure for train traction is an important problem. p. 18.
Kamenev, N.N., Drozdov, N.A. - Realistic methods to achieve savings. p. 18.
Bychkovskii, A.V., Bespalov, I.P. - New method for sand feeding on locomotives. p. 20.
Tolkachev, A.V. - Modified sander design. p. 22.
Eremin, N.E. - Device for measuring reverse currents. p. 24.
Babkin, IU.M. - Concerning a defect of the electropneumatic valve of the automatic stop. p. 25.
Katser, M.A., Porokhin, E.E. - Circuit of electric air actuated brakes for the VL60P electric locomotive. p. 27.
Dubrovskii, V.Z., Zaslavskii, E.G., Koshevoi, V.I. - Advice on the operation of TE10 and TEP10 diesel locomotives. p. 30.
Seniushkin, IU.B., Rogov, V.T., Chilikin, G.A. - Practical recommendations for the operation of the CHS2 electric locomotive. p. 33.
Semin, V.A. - Design and performance of the TRN8 regulator. p. 36.
Rodionov, N.I. - Transistor systems for the protection of silicon rectifiers. p. 38.
Answering readers' queries. p. 42.
Angelov, V.G. - It is not difficult to eliminate this kind of defect. p. 43.

Vol. 8, no. 1(85), Jan. 1964.
Table of contents translated:
Polymeric materials should be used on a wider and more effective scale. p. 1.
Naumenko, A.E. - Galvanic tinning of the pistons of the 2D100 diesel. p. 5.
Generalov, A.F. - We are using chemical reagents in cleaning blower housings. p. 7.
Alekseev, K.I. - We are using liquid glass in the repair of the chambers of AB2/4 switches. p. 8.
Kormushin, A.V., Rogachev, V.G. - Capron axle box supports for diesel locomotives. p. 8.
Baru, A.G. - Hoisting of large heavy units in the repair of diesel locomotives (work practices in the railroad repair shop of Chu of the Kazakh Railroad). p. 9.
Shvedikov, V.A., Cherchemiatiev, G.K., Dolgopol'skii, B.S. - Operation of a filter containing a reactor in a positive bus conductor. p. 10.
The main line of the Northern Caucasus Railroad is celebrating its 100th anniversary. p. 11.
Lisovskii, A.S., and others. - Rubber shock absorbers instead of steel springs. p. 12.
Garber, I.B. - Device for indicating voltage in electrical networks. p. 13.
Kurbatov, I.IA. - Locomotive crews appear at work without special notice. p. 14.
Namaev, A.T. - Cause of the faulty operation of the engineer's brake valve. p. 15.
Romashko, D.A. - We have prevented cap flashovers in mercury-arc rectifiers. p. 16.
Gredzelidze, O.A. - What we derive from recuperative braking. p. 17.
Trubanov, P.P. - Rectifier grid control using a peak generator. p. 18.
Turgunov, D.T., Vedenskii, O.N. - Flaw detector for checking cylindrical bushings. p. 19.
Shipitsin, IU.V. - New developments in sand lightening techniques. p. 20.
Blazhenov, V. - From the point of view of a locomotive engineer; comments on the magazine "Elektricheskaia i teplovoznaia tiaga." p. 21.
Kuz'menko, L.A., Matusovich, S.D. - The VL41 a.c. switch engine. p. 22.
Urbanskii, K.S. - One fault of the TE3 diesel locomotive. p. 25.
Usikov, V.A., Proskuriakov, B.E., Matulis, V.I. - Happenings in our repair shop. p. 26.
Doroshenko, V.F. - Drying of the main generator of the TEM1 diesel locomotive using short-circuit current. p. 29.
Seniushkin, IU.V., Rogov, V.T., Chilikin, G.A. - Practical recommendations on the ChS2 electric locomotive. p. 31.
Korchagin, N.A., IAsentsov, V.F. - Special features in operating the static convertors of the electropneumatic brake. p. 33.
Replies to the inquiries of our readers. p. 37.
Aksenov, P.G., Teptikov, V.I. - Electric power supply subdistricts should be consolidated. p. 38.
Visloukh, L.A. - Mobile electric substation with silicon rectifiers. p. 38.
Railroad electrification in Europe. p. 39.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet tiazhelogo, energeticheskogo i transportnogo mashinostroeniia pri Gosplane SSSR [State Committee for the Manufacture of Heavy, Power, and Transportation Machinery, Attached to the State Planning Committee of the U.S.S.R.]. Leningrad, vol. 9, no. 3, Mar. 1963.

Table of contents translated:
Fifth year of the seven year plan and problems confronting the workers of the power machinery industry. p. 1.
Glukhov, V.K., Sidorov, M.N., Korol'kov, IU.I. - Programming of the start operations of a 300 Mw. block with a control computer. p. 3.
Gutovskii, E.V. - Calculation of the change in the number of rotations of the rotor of a hydraulic turbine-generator unit. p. 6.
Kal'mens, V.IA. - Method for simulating vibrational effects originating during the operation of a rotor using an oil film. p. 9.
Arkad'ev, B.A., Khlivniak, G.O., Shatrovskaia, G.N. - Solution of problems on transient heat transmission using an automatic digital computer. p. 12.

Suponitskii, N.Z. - Determination of the cavitation of the prong of the blade root connection of Christmas-tree dovetail turbine blades in the resilient pliable region. p.16.

TSvetkov, V.V. - Operation of swirl chamber motors on mixtures of diesel fuel and gasoline. p.20.

Pomerantsev, V.V., Ekimov, G.K. - Cascade trough-type fuel hoses. p.23.

Voloshin, A.A. - Method for considering flexure stresses caused by internal pressure in the walls of pipes. p.25.

Pisarenko, G.S., Kozlov, I.A., Lebedev, I.V. - Pliable deformation of a rotating disc. p.26.

Farberov, M.Z. - Machining of large curvilinear surfaces on a lathe. p.29.

Kazarnovskii, E.M., Vorotyntsev, P.P. - Improvement of the coal grinding operation of a redesigned high-speed hammer mill with air flow separators. p.30.

Tusevich, V.A., and others. - Improvement of a flue gas pump system. p.36.

Sheinkman, A.G., Tokmantsev, N.K. - Efficient design of steam turbine nozzle boxes. p.40.

Shriro, I.I. - Design of a protective component of the guide blade of a hydraulic turbine. p.41.

Gal'perin, M.I. - Hydraulic turbines for the Krasnoyarsk Hydroelectric Power Station. p.43.

Nikitin, M.D. - Increase of the economic efficiency of engines. p.44.

Buchkin, P.D. - In the V.I. Lenin Machinery Plant on the Neva. p.45.

Golovanov, N.V. - New developments in the construction of power machinery. p.46.

Dubovskii, I.E., Migai, V.K., Nazarenko, V.S. - Method for the thermal calculation of regenerative air preheaters of boiler units. p.47.

KUYBYSHEV. SEL'SKOKHOZIAISTVENNYI INSTITUT. Fakul'tet mekhanizatsii sel'skogo khoziaistva. Studencheskoe nauchnoe obshchestvo. Sbornik dokladov AGRICULTURAL INSTITUTE. Faculty of the Mechanization of Agriculture. Student Scientific Society. Reports]. No. 1, 1962. Mekhanika [Mechanics].

Table of contents translated:

TSfas, B.S., - Preface. p.3.

Artiushin, A.A., TSfas, B.S., Krestovskii, I.A. - Volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of a partial filling of the tank with fluid. p.8.

Luptakov, A.IA., TSfas, B.S. - Using the model of the tank in determining the volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of partial filling of the tank with fluid. p.17.

Artiushin, A.A., Luptakov, A.IA., TSfas, B.S. - Precision of the determination of the volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of a partial filling of the tank with fluid. p.23.

TSfas, B.S., Vasil'eva, L.S. - Determination of an absolutely solid body in theoretical mechanics. p.27.

Cherniakhovskaia, L.B., Vasil'eva, L.S. - Proof of the theorem on the addition of two parallel forces distinctive from the generally accepted proof. p.33.

TSfas, B.S. - Determining reactions in an advancing pair. p.36.

TSfas, B.S., Vasil'eva, L.S. - Generalized theorem on the moment of a pair relative to an arbitrary point or on the transfer of the pair in its plane and in a parallel plane. p.39.

D'iakonov, V.I., TSfas, B.S. - Theory of a rural lever-type well. p.42.

Kliuchnikov, K.D., Briukhnin, V.A. - Device for the determination of the angle of friction. p.45.

Myshkin, V.S., TSfas, B.S. - Determining the quality of the balancing of the rotor and flywheel of the synchronous motor of a two-stage refrigerating compressor. p.48.

TSfas, B.S., Sterlikov, F.F. - Increasing the range and precision of movement regulation in universal machine tools used in lot production. p.51.

Frolov, N.V., TSfas, B.S. - Accurate calculation of a heavy elastic string. p.61.

Sidorov, N.P., TSfas, B.S. - An elementary error in N.M. Beliaev's textbook "Strength of materials." p.71.

TSfas, B.S., and others. - Results of static tension tests of steel cylindrical specimens having circular single and group notches, and of smooth-roll burnished specimens. p.72.

TSfas, B.S., Kirichenko, V.V. - Specification of the derivation of Professor I.I. Bobarykov's formulae for the calculation of a tight bolted joint. p.79.

TSfas, B.S., Eres'ko, V.F. - Determining resulting stresses in a tight bolted joint basing on the butt quality of compressed parts of this joint. p.86.

TSfas, B.S., Agafonov, S.G. - Determining the butt area and internal rigidity of compressed parts in a tight bolted joint. p.95.

TSfas, B.S., Emel'ianov, G.V. - Effect of some kinds of screw-thread coatings on pressure distribution in threads. p.104.

TSfas, B.S., Sachenko, I.K. - Unifying dependences of modern calculation of gears for contact stresses. p.106.

TSfas, B.S., Kazachkov, V.S., Kharitonov, V.D. - Closing stresses in Benn's lever-type friction clutches. p.109.

Zelenkov, N.N., TSfas, B.S. - Some fundamental errors in dependences for calculating rivets for shear and warping. p.116.

TSfas, B.S., Shatalov, N.S., Filippov, V.I. - Determining the angle of equistable oblique butt weld. p.126.

Kazachkov, V.S., TSfas, B.S. - Causes for the breakdown of a hydraulic press. p.131.

Demidova, M.I., Belov, V.V., TSfas, B.S. - Increasing fatigue resistance of the crankshafts of mine hoists. p.134.

Serebriakov, V.A., TSfas, B.S. - Possible improvements of the crawler drive of mine vertical conveyors. p.140.

Sterlikov, F.F., Eremin, A.V. - Self-centering hinged dovetail remover. p.142.

MASHINOSTROENIE [MACHINERY MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. on the Coordination of Research]. Kiev, no. 2(26), Mar.-Apr. 1964.

Table of contents translated:

Poliakov, D.I. - Mechanization and automation of production processes in the national economy of the Ukrainian S.S.R. p.3.

Lokotosh, B.N. - Automatic line for heat treatment of hacksaw blades. p.6.

Sorokin, V.G., Aleksandrov, N.S. - Mechanization of molding, melting and baking processes in a precision casting shop. p.7.

Luk'ianenko, V.S., Lebedev, B.M. - Mechanization and automation of chill casting processes. p.10.

Shtangei, L.I., Dumenko, V.E. - Mechanization of fettling and conveying in foundry shops. p.13.

Frumin, G.L. - Mechanization of operations in stockyards. p.14.

Zlatopol'skii, M.IA. - Automatic line for machining adjusting screws of diesel-engine valves. p.16.

Frolikova, I.N., Linnikov, I.K. - Mechanical marking of cutting tools. p.19.

Rakhno, A.R. - Automatic die for manufacturing grids. p.19.

Andreev, L.P., Kariavov, S.A. - Vibratory feed mechanism of machine tools for bushing-type billets. p.22.

Prokopchuk, G.P., Goncharov, I.P. - Increasing the efficiency of four-row cone roller bearings. p.23.

Shevliakov, I.M. - Small drilling machine units. p.24.

Kudriavtsev, G.P. - Design of hydrostatic thrust supports. p.26.

Korolev, L.V. - New method for sealing flanged couplings of pipes. p.28.

But'ko, V.S. - Universal hydraulic stand. p.29.

Kestel'man, V.N., Ivashkevich, V.P. - Autoclave with induction heating for making parts from capron. p.30.

Zholobov, B.Kh., Tarnarutskii, M.A., Brovtsev, V.A. - Modernization of the machine for simultaneous gas-torch cutting of shaped billets with seven cutting torches. p.32.

Veinik, A.I. - Innovations in chill casting. p.33.

IAnchenko, G.G. - Casting steel flanges in metal molds. p.36.

Markarian, R.P., Gaisin, B.M. - Increasing the resistance of steel-pouring ladle lining. p.37.

Khan, B.Kh., Ladokhin, S.V. - Improving the quality of melt for stone casting. p.37.

Ul'ianov, V.L. - Effect of modifiers on physicomechanical properties of cast stone articles. p.39.

Lifanova, A.V. - Production and testing of cast turbine forgings. p.41.

Sobolev, A.N. - Standardization of technological processes in casting. p.42.

Chernov, L.IA., Gendler, A.Kh. - Using polymer materials for the reparation of defects in castings. p.44.

Speranskii, B.S., Shul'te, IU.A., Kurbatov, M.I. - Effect of casting temperature on the structure of track shoes made of high-manganese steel. p.46.

Rudnaia, A.I., Gaiduchenko, N.I., Romaniuk, N.A. - Measuring the temperature of magnesium alloys during the melting in induction furnaces. p.48.

Kocho, V.S., Fedorets, I.G., Kovalev, A.S. - Using water-colled thermocouples for a continuous control of Bessemer smelting by the temperature of metal. p.50.

Degtiar', F.A. - Determination of the clayey component of mixtures. p.53.

Kochegura, N.M., Markovskii, E.A. - Using radioisotopes for checking the density of foundry molds. p.53.

Shulimovich, G.V. - Use of a universal multiple block die. p.55.

Spektor, R.P., El'kinson, P.A. - Modernizing the support unit for the "Pel's" crank press flywheel. p.56.

Rudenko, V.N. - Unit for determining the strength of cermet iron at low temperatures. p.57.

Braun, M.P., Vinokur, B.B. - Optimum conditions for annealing 30KhGVT steel. p.57.

Shapoval'iants, A.G., Maslinev, N.A. - New method of industrial painting. p.59.

Borisova, V.A. - Using new shiny copper and nickel electrolytes in automatic three-layer electroplating. p.62.

Novikova, L.A., Leibman, E.A. - Using ammonium chloride electrolyte in zinc plating of configurated parts in stationary baths. p.65.

Vdovenko, N.V., Vdovenko, I.D. - New method of chemical degreasing. p.68.

Reznik, S.I. - Machining cone journals in cast iron rolls. p.60.

Flomenblit, A.I. - Grinding cutters with spiral teeth on an universal grinding machine. p.68.

Kartashov, I.N., Gulida, E.N. - Vibration of a gear-milling machine set up on a foundation without fastening. p.69.

Dumanskaia, V.A., Shliakhtin, V.V. - Stability of the soldering of hard-alloy tools and residual stresses in soldered hard-alloy bits. p.71.

Danilenko, S.P. - Burnishing cylindrical holes in cast iron parts. p.73.

Namitokov, K.K. - Ultrasonic piercing of shaped holes with a single adjustment of the tool. p.74.

Rogovin, D.A., Stepanenko, F.V. - Using gamma rays for checking the quality of welded joints. p.76.

Pisarenko, I.D., Bondarenko, I.A. - Using Arsenazo III indicator in determining zirconium content in nonstandard bronzes and alloys based on copper. p.77.

Lebedev, A.T. - Automatic control of a tractor with a hydraulic transmission. p.81.

Nastenko, N.N. - Hydraulic control elements in agricultural machinery. p.83.

Shcheglovskii, G.V. - Using plastics in the agricultural machinery industry. p.87.

Nechiporenko, V.P., Kanarskii, N.A. - Reconditioning guiding wheel rims of the DT-54 tractor. p.89.

Vasilenko, V.I. - Use and repair of bushed roller chains. p.90.

Kaplun, V.A. - The KZU-0.3B universal trench excavator and grader. p.93.

Sukhorukov, A.R., Shaliagin, V.N., Shakhbazov, O.K. - Mechanical brake and slow-down device for motor vehicles with four-cycle diesel engines. p.95.

Rogovin, D.A., Pilipovskii, A.N., Mironov, G.M. - New design of the running wheel setting unit of an electric five ton capacity bridge crane. p.96.

Tikhonovich, V.I. - Effect of operating rigidity of an engine on the wear of piston rings during the running-in. p.97.

Tunik, A.A., Klimkovskii, S.F. - Aluminum alloys for heavy-loaded bearings. p.98.

Chekhovskii, IA.I. - Capron cable shoe of the K-750 motorcycle. p.102.

Innovators' certificates and patents. p.103.

New books. p.109.

Brief news. p.110.

Machinery industry abroad. p.111

MEKHANIZATSIIA I AVTOMATIZATSIIA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION]. Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 18, no. 4, Apr. 1964.

Table of contents translated:

Zubkov, G.A. - Automation of technological processes in the nonferrous metallurgy. p.1.

Preis, V.F., Frolovich, E.N. - Feeding of billets in automatic transfer machine lines. p.7.

Gorlin, G.E., Orlov, S.P. - Automatic weighing of piece goods. p.11.

L'vov, N.S., Akulov, A.I. - Prospects of the automation of arc welding. p.18.

Liuro, A.P. - Using hydraulic conveying for removing metal chips. p.21.

Kuz'kin, G.V., Zorin, L.F. - Mechanized coal mining with augers. p.23.

Morozov, N.A., Voskresenskii, V.E. - Over-all mechanization of lay-out lines in woodworking. p.24.

ment. p.44.

Gorbunova, D.P., Fradkin, F.R. - Signalization system using telephone communication lines. p.47.

Kliachin, G.M., Mironov, G.M., Rogovin, D.A. - Efficient use of bridge cranes. p.49.

B 16g

Broydo, D. - New system for recording and processing of primary data. p. 50.
Protasov, L.P. - Clamps for reloading packaged piece goods without trays. p. 53.
Erofeev, N.I. - New methods for the design and investigation of cranes. p. 56.
Mirzabekov, G.G., Mikhailovskii, E.A. - Review of E.B. Karpin's book "Design of weighing and proportioning equipment. p. 58.
New books. p. 59.
From Soviet periodicals, February 1964. p. 60.
From foreign periodicals, September 1963. p. 63.

Kalitsevskii, R.E. - Mechanization of board sorting. p. 23.
Vikhman, Z.A., Fisher, F.K. - Conveyor with an automatic addressing system used in a machine shop. p. 31.
Geller, N.M. - Hatch opening device for hopper cars. p. 34.
Bystriakov, N.P., and others. - Remote control of the weighing of charge materials. p. 36.
Akivis, D.R., Ivanov-Emin, E.B. - Moskvin, P.P. - Checking the pressing speed. p. 37.
Orenshtein, E.I. - Self-propelled hoist for a bell furnace. p. 40.
Smirnov, N.P. - Manual pneumatic tool. p. 41.
IArtsev, N.D. - Automatic control of oil-pumping units. p. 42.
Dobroliubov, A.I. - Analysis of the operation of complex electric circuits in automatic control equip-

Vol. 18, no. 5, May 1964.

Table of contents translated:
Mel'kumov, L.G. - Overall mechanization and automation in mines. p. 1.
Kostenetskii, K.P. - Overall mechanization and automation in ferrous metallurgy. p. 8.
Parsamova, G.L. - Automatic line for the assembly of engine cylinder heads. p. 12.
Akinin, P.I., and others. - Automatic control of ladle turning. p. 14.
Golota, S.I. - Automatic control of the moisture content in ceramic paste. p. 16.
Kulikov, S.G., Shikunov, IA.S. - Automatic conveying of fabric pieces. p. 18.
Vidgof, N.B. - Automatic control of the die casting of thermoplastics. p. 21.
Garmash, I.I., Gombera, A.IA., Pavlenko, I.I. - Mechanized painting of ingot molds and cores. p. 26.
Shandrenko, G.I. - Mechanization of repair work in metallurgical plants. p. 27.
Vasil'kovskii, N.A., Ushakov, A.I. - Mechanized quarrying of limestone. p. 28.
Shatilov, D.V. - Using infrared rays for the recovery of the friability of frozen freight. p. 30.
Petrov, A.V. - Overall mechanization of intershop conveying. p. 32.
Vrublevskii, V.I., Ravich, K.S. - Automatic scales for the proportioning of charge. p. 36.
Lesnitskii, M.L. - New semiautomatic machine tools. p. 37.
Burtsev, I.F., IAgnyshev, V.T. - The KN-3 coal-cutting combine. p. 41.
Besedin, V.I. - Automatic log sorting. p. 42.
Pushkin, V.I., Pevzner, B.I. - New equipment for the mechanization of storerooms. p. 43.
Petrov, I.K. - Dynamic investigation of the hydrostatic device for measuring the density of liquids. p. 45.
IAkubson, S.IA. - Mechanized data processing in the press shop of the Moscow Automobile Plant. p. 48.
Beizym, IA.T., Danilenko, V.K., Krivtsov, I.P. - Improving the operating reliability of automotive loaders. p. 50.
Vvedenskii, T.A. - Mechanization of design and drawing work. p. 53.
New books. p. 56.
From Soviet periodicals. p. 57.
From foreign periodicals. p. 60.

MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. No. 171, 1963. Voprosy elektrooborudovaniia, elektrosnabzheniia i elektricheskikh izmerenii [Problems of electrical equipment, power supply, and electrical measurements].

Table of contents translated:
Petrov, M.A. - Study of nonstationary processes in traction motors with mixed excitation. p. 4.
Sukhorukikh, B.S. - Study of the effect of various factors on the burning process of an electric arc originating on the collector of a traction motor. p. 15.
Klimov, V.F. - Probability method for evaluating nonsymmetry of the primary currents of an a.c. substation. p. 33.
Klimov, V.F. - Simulation of nonsymmetrical modes in the power supply system of single-phase electric railroads. p. 39.

Kiselev, A.P. - Threshold values in the safety of electrical current with commercial frequencies. p. 47.
Kiselev, A.P. - Comparative electrical safety of systems with different frequencies. p. 59.
Morozovskaia, N.V. - Choice of optimum parameters of resonant frequency meters. p. 68.
Skorobogatov, V.I. - Equations of the motion of a magnetostrictive vibrator at different frequencies of a variable magnetic field. p. 79.
Miliutin, A.P. - Use of frequency methods in determining self-oscillatory operating modes. p. 93.
Lorents, N.V. - Use of magnetic amplifiers for increasing the accuracy of voltage regulation in autodynes. p. 100.
Benilov, S.B. - Integral criterion and its use in measuring techniques. p. 112.
Benilvo, S.B. - Wave processes during longitudinal shock and measuring network for their registration. p. 128.
Benilov, S.B. - Sound method for measuring shock waves in gases. p. 147.
Morozovskaia, N.V. - Refrigerator car as an object of temperature control. p. 157.

MOSCOW. TEKHNOLOGICHESKII INSTITUT LEGKOI PROMYSHLENNOSTI. Nauchnye trudy [TECHNOLOGICAL INSTITUTE OF LIGHT INDUSTRY. Studies]. No. 26, 1962.

Table of contents translated:
Sokolov, IU.S. - Socialization of the means of production in the light industry of the European countries of the Peoples Democracies. p. 3.
Makarov-Zemlianskii, IA.IA., Maliavkin, V.V. - Borates in the chemistry of polyhydroxy compounds. p. 27.
Evstratova, N.M. - Ion exchanging compositions containing thiol groups. p. 35.
Baramboim, N.K., Goncharova, V.A. - Synthesis and investigation of hydrophilic copolymers of maleic anhydride. p. 38.
Vasenin, R.M. - Some problems of the theory of the adhesion of high polymers. p. 46.
Lipachev, V.A. - Nature and rheological properties of polymers. p. 69.
Baramboim, N.K., Nuriev, M.A. - Adhesive properties of water-soluble synthetic polymers. p. 77.
Makarov-Zemlianskii, IA.IA., Bokov, U.S. - Acetylation of xylotrihydroxy glutaric acid. p. 81.
Aksenova, G.M., Aronina, IU.N. - Use of silicon organic compounds for the modification of the hair covering of fur sheep skins. p. 85.
Sazykina, O.P., Aronina, IU.N. - Active dyes. p. 89.
Kuznetsova, Z.I. - Complexometric methods in the technological control of leather manufacture. p. 109.
Usilov, V.A., Chernov, N.V. - Relation between the strength limits of leather and fiber bundles in tensile deformation. p. 114.
TSvetkov, V.N. - Determining the constant of the relaxation time in the deformation of sole leather. Report No. 3. p. 118.
TSvetkov, V.N., Alifanova, L.N. - Determining the constant of the relaxation time in the deformation of sole leather. Report No. 4. p. 134.
TSvetkov, V.N. - Bases of the calculation of the flexural rigidity of footwear ;report given at the 2d International Congress of the Representatives of the Leather and Shoe Industry in Budapest. p. 146.
Komissarov, A.I., Murygin, V.E. - Formation of the loop overlap in shuttle sewing machines. p. 158.
TSvetkov, V.N. - Calculation of thread seams for the leather parts of shoe uppers. p. 170.
Solov'ev, N.L. - Geometrical analysis of the reduction of sewing machine needles. p. 176.
Platov, L.I. - Calculation of the temperature field of the vulcanization plate with electric heating. Report No. 2. p. 197.
Platov, L.I., Naumov, V.N. - Calculation of the temperature field of the bottom plate of the press-mold for hot vulcanization. p. 205.
Lopukhin, A.G. - Theory of manometer springs. p. 214.
Solov'ev, N.L. - Approximation calculation of the volume (weight) and moments of axially symmetric parts. p. 225.
Ruzhentsev, A.S. - Regulation of the temperature of the pads of garment ironing presses. Report No. 1. p. 238.
Ruzhentsev, A.S., Sinel'nikov, D.E. - Regulation of the temperature of the pads of garment ironing presses. Report No. 2. p. 245.
Zarudin, V.M., Zhislina, L.S. - Substituting uniformly perforated steel belts for wire belts in conveyors. p. 253.
Katasonova, V.T. - Membrane covered elastic half space under the action of a load uniformly distributed over the area of a rectangle. p. 257.
Gol'tsov, N.A. - More precise definition of the results in the numerical integration of differential equations. p. 264.
Gol'dfain, I.A. - Longitudinal-lateral bend of a low rigidity rod subjected to the action of a uniformly distributed load. p. 270.
Skalon, I.P. - Complex sentence with a subordinate attributive part introduced by relative pronouns der, die, das. p. 397.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 265, 1963. Ustroistva avtomatiki, telemekhaniki i sviazi pri elektricheskoi tiage peremennogo toka [Automatic control, remote control, and communication devices in a.c. traction].

Table of contents translated:
Snarskii, A.A. - Results of theoretical and experimental studies of the effect of the contact networks of a.c. railroads on cable communication lines. p. 4.
Pavlov, I.V. - Theoretical study of the protective action of bleeder transformers from dangerous magnetic effects during forced operation. p. 44.
Fel'dman, A.B. - Special features of the longitudinal power supply of the multiplexing apparatus of cable communication lines in a.c. railroad districts. p. 83.
Talykov, A.A. - Track circuits in a.c. traction. p. 95.
Pokrovskii, M.A. - Protection of station signaling cables from the effects of the contact network of an a.c. railroad. p. 131.

No. 271, 1964.
Contents: [Efficient kinds of track structures of narrow-gauge railroads (750 mm. gauge)] Ratsional'nye tipy verkhnego stroeniia puti uzkokoleinykh zheleznykh dorog (kolei 750 mm). [illegible]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Journal]. Vol. 23, no. 3, 1964.

Table of contents translated:
Frishman, M.A., Polevichenko, A.G. - Evaluating the dynamic action of the underframe of the rolling stock on the track. p. 3.
Kudriavtsev, N.N. - Determining the oscillation functions in the study of car vibrations. p. 9.
Doronin, I.S. - Effect of the elements of the central suspension on the lateral vibrations of a passenger car. p. 13.
Survillo, A.B. - Stability of the straight-line motion of rail vehicles. p. 16.
Privalov, V.V., Chernov, R.V. - Design of a system for the automatic control of wheel slippage. p. 18.
Porplits, IU.P., Ratner, M.P. - Calculation of the voltage asymmetry in the circuits of longitudinal complex power supply systems. p. 21.
Sugak, P.A. - Operative efficiency of air distributors at low temperatures. p. 26.
Glokman, IU.TS. - Universal system of switches with curvilinear points and frogs. p. 30.
Terekhin, L.N. - Determining the density of crushed stone ballast. p. 35
Sondorov, O.K., Martynov, I.M., Ivanova, N.G. - Selecting the angle of the ascent grade of the floor of tower and bridge car dumpers. p. 39.
Noskov, IU.A. - Mechanization of the unloading of frozen bulk load. p. 42.
Abgaforov, V.A. - Repair of loading and unloading machinery. p. 46.
Milovidov, IU.I. - Characteristics of the hydraulic clutch during variable filling. p. 49.
TSarev, D.P. - Establishment of norms for the working capital in locomotive depots. p. 51.
New standards for lightweight seamless rolled wheels. p. 54.
Grishin, M.S. - Automation of the calculation of the effective traffic capacity of railroads by the sections. p. 56.
Gritsenko, V.I. - Selecting the optimum route for complex trackage systems. p. 60.
New books. p. 3 of cover.

OMSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. Vol. 37, 1962.

Table of contents translated:
Karasev, M.F. - Reply to O.G. Vegner's remarks on the book "Commutation of d.c. machines." p. 5.
Karasev, M.F., Medlin, R.IA. - E.m.f. and voltage drop during commutation. p. 13.
Karasev, M.F., Medlin, R.IA., Suvorov, V.P. - "Small current step" in commutation. p. 20.
Karasev, M.F., and others. - Commutation of electric traction motors under actual operating conditions and methods for studying it. p. 33.

Karasev, M. F., Trushkov, A. M., Paranuin, V. P. - Commutation of the traction motors of a diesel locomotive in nonsteady operation and methods for studying it. p.49.

Karasev, M. F., Trushkov, A.M., Paranuin, V. P. - Causes of unsatisfactory commutation in the main generators of diesel locomotives. p.57.

Trushkov, A.M., Solomenko, G.I. - Commutation tests of an eight axle electric locomotive with regulated characteristics. p.65.

Solomenko, G.I. - Analysis of the sparking of electric locomotive traction motors with field strength loss in the main poles. p.75.

Beliaev, V. P. - Effect of the speed of motion of the locomotive on the sparking of the traction motor. p.81.

Shilov, A.S. - Theoretical studies of the reliability of mercury rectifier cooling networks. p.86.

Dubrovskii, V.P., Lamin, S.I., Shatirov, M.G. - Analysis of the operation of a three phase three winding transformer in nonsymmetrical operation. p.91.

Mikheev, V.P. - Determination of temperature for a sagless condition optimum in respect to the wear of contact wires and current collector caps. p.102.

Mikheev, V. P. - Operation of a suspension system with spring type and ordinary supporting cable wires in an anchor section. p.110.

Mikheev, V. P. - Effect of the suspension system type on the wear of the cap of the current collector. p.116.

Blokhov, P. E., Mychkov, L.I. - Analytical methods for constructing a load duration chart of a traction substation. p.120.

Trushkov, A.M., Paranuin, V.P. - Transient operation of the electric transmission system of the TE-3 diesel locomotive. p.130.

Barkovskii, B.S., and others. - Effect of the traction load on the indexes of operation of electric power plants supplying single phase 50 c.p.s. power to electric railroads. p.136.

* PRIBOROSTROENIE [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po priborostroeniiu, sredstvam avtomatizatsii i sistemam upravleniia pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Instrument Manufacture, Means of Automation, and Control Systems, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no.12, Dec., 1963.

Table of contents translated:

Lebedev, A. V., Tolchinskii, E.M. - Analysis of the measuring circuit of an analog-to-digital converter having a differential amplifier. p.1.

Iolunskii, V.A. - Plotting meters of four-pole transmission factors with a digital reading. p.4

Ilyushin, A. V., Lebedev, I.M. - Time-coded pulse recording. p.5.

Vishnev, Iu. P., Zalivskii, E.S., Kuznetsov, Iu. P. - Design of toothed rotary dynamometers. p.7.

Popov, I.N., Babeler, A.I. - Investigating kinematics of galvanometric mechanisms by dynamic methods. p.9.

Device for recording electric power consumption in rolling billets. p.10.

Mazo, B.I. - Semiconductor photorelay. p.12.

Darzov, N.N. - Trigger limiters and signal indicators of limiting parameters. p.14.

Lebedev, L. M. - Device for dynamic rubber tests. p.16.

New books. p.17.

Kanatkin, O.N. - Pasting resistance strain gauges on investigated objects. p.18.

Skvortsov, N.N. - Increasing the interchangeability ratio in the instrument industry. p.19.

Zotov, G.A. - New devices and means for automatic control. p.21.

Artamonov, K.V. - Self-adjusting executive unit for optimum control. p.24.

Gavrilenko, V.F., Sergeev, A.A. - Transistor servo element. p.25.

Beiyl, M.I. - Noncontact transformer and switch. p.26.

Varfolomeev, B.I. - Using permanent magnets for fastening measuring instruments and devices. p.27.

Academician Aksel' Ivanovich Berg; on the occasion of his 70th birthday. p.29.

Simonkin, L. P., Popov, E.A. - The EF-2M electronic fluorimeter. p.30.

Ashchelevich, E.A. - Cable with cores of thermoelectrode materials. p.30.

Index of articles published in "Priborostroenie" in 1963. pp.31, 3 of cover.

No. 4, Apr. 1964.

Table of contents translated:

Gorshkov, S.M., Petrukhin, B.P., Prangishvili, I.V. - Semiconductor logical units for the systems of industrial automation and telemechanics. p.1.

Gurev, I.D. - Designing string transducers. p.4.

Zograf, I.A., and others. - Method for measuring currents and voltages of subsonic frequencies. p.6.

Saldin, A.I. - Reproduction of subsonic electric signals from a magnetic tape. p.9.

Belousov, I.V. - Principles for developing digital indicators for the electric digital branch of the state system of instruments and means of automation. p.11.

Vasil'eva, N.P., Zodnik, G.A. - The EPM-400 magnetic logical units for automatic control. p.14.

Il'in, V.I. - Dead band relay with remote adjustment. p.16.

Gol'dshtein, D.G. - Instruments and devices for an active control in the assembly of watches. p.17.

[illegible], B.G. - Effect of the machining of the cores of electromagnets on their operating properties. p.21.

[illegible], V.I. - Methods and devices for checking minute parts. p.2[illegible].

[illegible], I.B. - Determination of the optimum operating efficiency of production line equipment according to [illegible] of the scale output. p.25.

[illegible], I.M. - Using tubular temperature sensitive pickups for measuring temperatures. p.28.

[illegible], B.M. - Level indicator for conducting fluids. p.30.

[illegible], N.N. - [illegible] temperature [illegible] for [illegible] p.31.

[illegible], I.M. - [illegible] p.32.

[illegible], I.S. - [illegible] p.33.

[illegible] p.[illegible]

[illegible]

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOBILE AND URBAN TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964. [This journal is also issued in parts.]

* REFERATIVNYI ZHURNAL: [illegible] (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: [illegible] (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: [illegible] (Otdel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: [illegible] (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION EQUIPMENT (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: NASOSOSTROENIE I KOMPRESSOROSTROENIE (Otdel'nyi vypusk 41) [JOURNAL OF ABSTRACTS: MANUFACTURE OF PUMPS AND COMPRESSORS (Separate Issue 41)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964.

REFERATIVNYI ZHURNAL: OBORUDOVANIE PISHCHEVOI PROMYSHLENNOSTI (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: EQUIPMENT OF THE FOOD INDUSTRY (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TR
PORT [JOURNAL OF ABSTRACTS: INDUSTRIA
TRANSPORTATION]. Issued by Institut nauchnoi
informatsii Akademii nauk SSSR [Institute of Sci
entific Information of the Academy of Sciences o
U.S.S.R.]. Moscow, no.5, May 1964. [This jou
is also issued in parts].

REFERATIVNYI ZHURNAL: STROITEL'NYE I DO
NYE MASHINY (Otdel'nyi vypusk 60) [JOURNAL
ABSTRACTS: CONSTRUCTION EQUIPMENT A
ROAD MACHINERY (Separate Issue 60)]. Issue
Institut nauchnoi informatsii Akademii nauk SSS
[Institute of Scientific Information of the Academ
of Sciences of the U.S.S.R.]. Moscow, no.5, M
1964.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA I OBO
RUDOVANIE TSELLIULOZNO-BUMAZHNOGO I PO
GRAFICHESKOGO PROIZVODSTVA (Otdel'nyi v
pusk 37) [JOURNAL OF ABSTRACTS: TECHNOL
AND EQUIPMENT OF THE WOODPULP, PAPE
AND PRINTING INDUSTRY (Separate Issue 37)].
Issued by Institut nauchnoi informatsii Akademii
nauk SSSR [Institute of Scientific Information of t
Academy of Sciences of the U.S.S.R.]. Moscow,
no.5, May 1964.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASH
INOSTROENIIA [JOURNAL OF ABSTRACTS: TECHN
OGY OF MACHINERY MANUFACTURE]. Issued
Institut nauchnoi informatsii Akademii nauk SS
[Institute of Scientific Information of the Academ
Sciences of the U.S.S.R.]. Moscow, no.5, 1964

REFERATIVNYI ZHURNAL: TEPLOENERGETIKA
[JOURNAL OF ABSTRACTS: HEAT ENGINEERIN
Issued by Institut nauchnoi informatsii Akademii
SSSR [Institute of Scientific Information of the A
my of Sciences of the U.S.S.R.]. Moscow, nos.
May-June 1964

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKO
ZIAISTVENNYE MASHINY I ORUDIIA (Otdel'nyi v
pusk 38) [JOURNAL OF ABSTRACTS: TRACTORS
AND AGRICULTURAL MACHINERY AND EQUIP
MENT (Separate Issue 38)]. Issued by Institut nau
noi informatsii Akademii nauk SSSR [Institute of S
entific Information of the Academy of Scie
U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI T
PORT (Otdel'nyi vypusk 49) [JOURNAL OF AB
STRACTS: PIPELINE TRANSPORTATION] (Se
Issue 49)]. Issued by Institut nauchnoi informatsii
Akademii nauk SSSR [Institute of Scientific Informa
of the Academy of Sciences of the U.S.S.R.]. M
cow, no.5, May 1964.

REFERATIVNYI ZHURNAL: TURBOSTROENIE (Ot
del'nyi vypusk 45) [JOURNAL OF ABSTRACTS: TUR
BINE MANUFACTURE (Separate Issue 45)]. Issu
by Institut nauchnoi informatsii Akademii nauk S
[Institute of Scientific Information of the Academy
Sciences of the U.S.S.R.]. Moscow, no.5, May

REFERATIVNYI ZHURNAL: VOPROSY TEKHNIC
SKOGO PROGRESSA I ORGANIZATSII PROIZVO
STVA V MASHINOSTROENII (Otdel'nyi vypusk 3
[JOURNAL OF ABSTRACTS: PROBLEMS OF TE
NICAL PROGRESS AND THE ORGANIZATI
OF PRODUCTION IN THE MACHINERY INDUST
(Separate Issue 35)]. Issued by Institut nauchnoi
informatsii Akademii nauk SSSR [Institute of Scientific
Information of the Academy of Sciences of the
U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZ
NYKH VIDOV TRANSPORTA I KONTEINERNYE P
REVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF AB
STRACTS: CONTAINER SHIPMENTS AND THE
INTERACTION OF VARIOUS TYPES OF TRANSP
TATION (Separate Issue 31)]. Issued by Institut
nauchnoi informatsii Akademii nauk SSSR [Institute
of Scientific Information of the Academy of Sciences of
the U.S.S.R.]. Moscow, no.5, May 1964.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNY
TRANSPORT [JOURNAL OF ABSTRACTS: RAIL
ROAD TRANSPORTATION]. Issued by Institut nau
noi informatsii Akademii nauk SSSR [Institute of Sc
entific Information of the Academy of Sciences of
U.S.S.R.]. Moscow, nos. 5-6, May-June 1964. [T
journal is also issued in parts]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Manufacture]. Moscow, no. 1, 1964.

Table of contents translated:

Aksenov, P.N., Reshetnikov, G.K. - Interrelationship of basic parameters of the cupola process. p.5.

Sukharchuk, IU.S. - Technological principles for the control of cupola melting. p.15.

Marienbakh, L.M., Dolotov, G.P. - Investigating the overheating of liquid cast iron in a cupola furnace. p.28.

Reshetnikov, G.K. - Coke combustion zone in the metal melting zone of a cupola furnace. p.37.

Rabinovich, B.V., Nikol'skii, V.M. - Investigating the motion of light particles in a quiet and flowing fluid. p.42.

Rabinovich, B.V. - Motion of nonmetallic particles in a melt. p.49.

Van TSzia-sin' [Wang Chia-hsin]. - Investigation of basic factors affecting the chilling of high-strength cast iron during the casting in metal molds. p.67.

Ali El' Saied El' Ashram. - Investigating properties of gray cast irons with a higher sulfur content. p.79.

Ali El' Saied El' Ashram, Vasil'ev, V.A. - Device for investigating the kinetics of shrinkage of metals and alloys. p.88.

Gasparian, L.A. - Investigating the effect of vacuuming on the die-casting process. p.94.

Balandin, G.F., IAkovlev, P.IU. - Effect of the solid phase occurring in a melt on the crystallization of metals and alloys. p.101.

Belikov, O.A. - Mechanism of compaction in packing molds by high pressure. p.104.

Vorob'ev, M.I., Semenov, V.I. - Investigating mold packing by pressure. p.111.

Orlov, G.M. - Some problems in the fluidity of molding mixtures and mold packing by pressure. p.118.

Balandin, G.F., Semenov, V.I. - Structure of molding mixture, external friction and fluidity in mold packing by pressure. p.133.

Balandin, G.F., Belikov, O.A. - Empirical and analytical equations for mold packing by pressure. p.139.

Aksenov, P.N., Sheptunov, L.K. - Evaporation cooling of used molding mixture in the production line. p.147.

Chernyshov, I.A., Romanchikov, V.D. - Eliminating the warping of shell molds. p.153.

Vorob'ev, M.I., Anuchina, M.G., IAnovskaia, L.IA.- Surface roughness of castings obtained in shell molding. p.169.

Borodina, N.P. - Technology of making pattern equipment of epoxy plastics. p.174.

Balandin, G.F., and others. - Casting panels for plate heat exchangers in sand-clay molds. p.186.

Balandin, G.F., Gini, E.Ch. - Calculating technological conditions for low-pressure casting of thin-walled articles. p.193.

Balandin, G.F., and others. - Technological test for preventing hot cracks in panel castings. p.198.

Konstantinov, L.S. - Mechanism of casting curvings during machining. p.204.

Konstantinov, L.S., Lakedemonskii, A.V., Trukhov, A.P. - Straightening castings with local heating. p.210.

Plentsov, G.I., Sherman, A.D. - Comparative investigations of the wear resistance of austenite and pearlite cast irons. p.215.

Kisilenko, L.E. - Selection of technological flow sheets for working machines and automatic lines in founding. p.225.

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 36, no. 3, Mar. 1964.

Table of contents translated:

New boundaries for the development of the machine-tool industry. p. 1.

Alexandru, Margaritescu.- Development of the machine-tool industry in the Rumanian People's Republic. p. 3.

Pen'kov, P.M. - Machine-tool industry in the U.S.S.R. p. 6.

Straibl, Jan.- Machine tools in the Czechoslovakian Socialist Republic. p. 18.

Gladkov, B.A., Etin, A.O., Shumiatskii, B.L. - Determining the parameters of lathes. p. 27.

Kaminskaia, V.V. - Calculating the sensitivity of machine tools to the vibration of bases. p. 33.

Khaet, G.L., Solov'ev, L.N. - Analysis of the utilization of heavy lathes. p. 38.

Levina, Z.M., Kotliarenko, L.B. - Ball splined joints. p. 42.

Revzina, K.G. - Determination of the decarbonized layer in 9KhS tool steel. 48.

Vaks, D.I. - Seminar of factory laboratories. p. 48.

Vol. 35, no. 4, Apr. 1964.

Table of contents translated:

Shock front of the building up of communism. p. 1.

Monakhov, G.A., Chernikov, S.S. - Electric contact servosystem with an automatic regulation of the direction of resulting feed. p. 3.

Zbarskii, IU.Sh., Tenner, O.G. - Mechanism for accurate stopping of operating elements for program-controlled precision machine tools. p. 7.

Meistel', A.M., and others. - Precise stopping of machine-tool drives with asynchronous motors. p. 10.

Blokh, O.I., Khvatov, IU.G. - Determining parameters of the magnetostriction drive for feed mechanisms. p. 13.

Moldavskii, M.Kh. - Selecting an optimum variant of transmission structure according to the number of gear-wheel engagements. p. 16.

Shvarts, V.V. - Replacing the involute by a circumference in grinding slotted shafts. p. 17.

IAkovenko, V.A. - Using induction transducers. p. 19.

Remizov, D.D. - Special reamers and cutting conditions for machining short stepped holes. p. 21.

Liberman, A.I. - Design of circular form cutters. p. 25.

Malkin, B.M. - Magnetic attachments for grinding machines. p. 31.

Shelengovskii, A.I., Arandarenko, V.V., Dorogavtsev, A.I. - System of multipurpose organizational and technical equipment with interchangeable parts. p. 33.

Belikov, A.M. - Organization of storerooms and intraplant conveying in machinery plants in Switzerland. p. 35.

Berzin, A.F. - Seminar on the soldering and welding of cutting tools. p. 39.

New machine tool. p. 39.

Books, dissertations, periodicals. p. 40.

TASHKENT. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No. 23, 1962. Sbornik statei po voprosam ekspluatatsii zheleznykh dorog [Collection of articles on the problems of railroad operation].

Table of contents translated:

Gordon, M.D. - Some problems of the efficiency of the utilization of empty car flows for freight transportation. p. 3.

Dzhumabaev, S.M. - Economic efficiency of the transportation of cotton fibers in containers. p. 15.

Agzamov, Kh.A. - Fields of application of through freight routing. p. 24.

Agzamov, Kh.A. - Effect of the new technical equipment of railroads on the conditions of the organization of through freight routing from the points of loading. p. 47.

Distribution of ice supply points in the Central Asia direction of transport. p. 73.

Nevzorov, A.V., Sifanitsa, M.E. - Methodology for the calculation of the traffic capacity and selection of the train sheet in case of odd numbers of train traffic. p. 90.

Kulmanov, K.A. - Determining the speed indices of the completed train sheet. p. 99.

Kulmanov, K.A. - Stagewise opening of crossings. p. 110.

Nurmukhamedov, R.Z. - Methodology for determining the number of additional station tracks in case of bunched parallel train sheets. p. 121.

Tuliaganov, U. - Effect of the equipment of the freight car fleet with roller bearings on some parameters of the classification humps. p. 128.

Bel'kov, E.P. - Effect of the shift crew operation system on the basic indices of the performance of diesel locomotives. p. 134.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol. 11, no. 1, Jan. 1964.

Table of contents translated:

Tiurin, P.IA., Serov, E.P. - Some problems confronting the boiler industry. p. 2.

Maslov, V.E., Martsis, B.T., Protsailo, M.IA. - Burning of coal from the open pit mines of the Kuznetsk Basin in furnaces with liquid slag removal. p. 7.

Katsnel'son, B.D., Marone, I.IA. - Effect of pressure and oxygen concentration on the ignition and combustion of small coal particles. p. 11.

Gel'tman, A.E., and others. - Choice of optimum steam parameters of large condensing blocks. p. 15.

Vigak, V.M., Fal'kovskii, S.V. - Determination of actual stresses in the steam lines of a 200 Mw. block. p. 22.

Elizarov, D.P., Fedorovich, L.A., IAsin, S. - Stresses in the drum of a TP-80 boiler during its firing. p. 28.

Akol'zin, P.A., Guliaev, V.N. - Testing of a pipeline with protective sheathing. p. 32.

Arkad'ev, B.A., Povolotskii, L.V. - Study of multishield insulation. p. 36.

Kazin, I.V. - Radial steam distribution in an ascending turbulent water and steam flow. p. 40.

Margulova, T.Kh. - Effect of the inequality of heat flow on deposits in steam generating pipes. p. 43.

Dik, E.P., Nadyrov, I.I., Man'kina, N.N. - Study of the zone and magnitude of deposits in a boiler with supercritical parameters. p. 45.

Khapaev, V.M. - Behavior of sodium sulfite when used as an additive in boiler water. p. 49.

Zhukovskii, G.V. - Experimental study of radial overflows in turbine stages. p. 53.

Morozov, D.I., Shchekaldin, V.M. - Results of the improvement of the exhaust section of a gas turbine. p. 57.

Storozhuk, IA.P., Asoskov, V.A. - Approximate simulation of combustion in the combustion chambers of a gas turbine system. p. 59.

Shatil', A.A., Klimovskii, IA.S., Murashko, V.D. - Burning of natural gas under pressure in the combustion chamber of a gas turbine system. p. 63.

Klurfel'd, A.I., and others. - Control system of a PVK-150 turbine and some special features of its adjustment. p. 67.

Gal'perin, I.I. - Dynamics of automatic control. p. 72.

Thermal expansion and Joule-Thomson coefficients for water and their dependence on temperature and pressure. p. 80.

Voskresenskii, K.D., Turilina, E.S. - Use of variational methods in calculating heat transmission processes. p. 82.

Afanas'ev, A.F., Kop'ev, S.F., Romin, M.M. - Increase in the efficiency of large industrial thermal electric power plants. p. 85.

Mamet, A.P., Novi, IU.O., Taratuta, V.A. - Water cycle norms of once-through type boilers. p. 91.

Girshfel'd, V.IA. - New block-type electric power plants in the German Federal Republic. p. 92.

Avdeeva, A.A., Fetisova, V.N. - Preparation of control mixtures for calibrating chromatographic gas analyzers. p. 94.

Eremenko, V.K. - Letter to the editor. p. 96.

Vol. 11, no. 5, May 1964.

Table of contents translated:

Levchenko, B.L., Mikhailov, A.A. - Start of PVK-200-1 turbines in hot state. p. 2.

Dement'ev, V.A., Frenkel', A.IA., Ovsiannikov, IU.B. - Study of the control system of a once-through type boiler-turbine unit with subcritical steam parameters. p. 6.

Krol', L.B., Kemel'man, G.N., Men'kov, N.M. - Experimental study of a component of a steam-to-steam intermediate superheater. p. 11.

Girshfel'd, V.IA., Bakhusov, V.N., Kniazev, A.M. - Optimum value of α in a heat and electric power plant. p. 18.

Stepanov, D.S. - Dependence of rated unit cost indices of condensing power plants on construction completion time. p. 21.

Kuranov, A.N. - Modernization of old thermal electric power plants. p. 26.

Akol'zin, P.A., Prokhorov, F.G. - Polymers and their prospective use in thermal power engineering. p. 31.

Belin, F.T., Shapiro, S.IA. - Experimental study of free turbulent superheated steam jets. p. 35.

Kovalev, A.P., Kagan, IA.A. - Determination of fuel expenditure in a coal dust conduit and the productive capacity limit of a ball mill taking into account the resistance of the dust conduit. p. 38.

Litvinov, A.T. - Relative motion of particles (or drops of a liquid) in a fast gas current. p. 42.

Geller, Z.I. - Calculation of the duration of the discharge of mazut from railroad tank cars. p. 44.

Shatil', A.A., Murashko, V.D. - Use of a characteristics technique in studying the combustion chambers of gas turbine systems. p. 46.

Filipov, G.A., Van Chzhun-tai [Wang Chung-ch'i]. Effect of curls in the flow on the characteristics of nozzle lattices. p. 54.

Volynskii, M.M., Golinkin, S.L., Kovarskii, K.E. - Special features in the construction of a thrust bearing with swaying mounts and experience in its operation. p. 57.

Nemirov, V.S. - Some quality criteria in the operation of hydraulic servomotors with cutoff valves. p. 62.

Moiseev, A.A., Gromova, E.S. - Effect of technological processes in the manufacture of pipes from EP-184 steel on the resistance to intercrystalline corrosion and grain size. p. 67.

Andriushchenko, A.I., Khlebalin, IU.M. - Use of an efficiency technique for calculating economically optimum parameters of initial steam. p. 71.

Rabinovich, V.A. - Thermal conductivity equation for water vapor. p. 74.

Kirillin, E.P., Lokshin, V.A. - Heat transfer and resistance of longitudinally ribbed pipes. p.79.
Tishchenko, N.S. - Calculation of the burn-out of lean coal and anthracite in coal dust furnaces. p.83.
Experimental study of the enthalpy of water and water vapor at temperatures to 460° C and pressures up to 490 bar. p.86.
Flakserman, IU.N. - New trends in the development of central heating. p.89.
Use of synthetic materials in thermal electric power plants. p.91.
Avdeeva, A.A., Velikina, G.I. - Distortion of the sample of combustion products after the determination of oxygen using VTI and ORSA apparatus. p.93
Arsen'ev, IU.D. - Relationship between the power output of an electric power plant and the initial parameters of the operating cycle. p.95.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol.44, no.4, Apr. 1964.

Table of contents translated:
Korbut, L.A. - Decisions of the February Plenum of the CPSU and objectives of the machinery industry. p.3.
Bronman, M.IA., Goncharov, S.M. - Durability and rigidity analysis of converters. p.7.
Reshetov, D.N., Chatynian, R.M. - Investigation of bending resistance of gear teeth under varying load conditions. p.15.
Shak, L.A. - Dynamic balancing of rigid rotors. p.19.
Sergeevskii, F.P., Rudskii, A.M. - Investigating the performance of packings of rotating shafts. p.21.
Usachev, N.M. - Investigating the end distributor of the NPA-64 axial-flow piston pump. p.27.
Vasilets, F.P., Aleksandrov, D.I. - Effect of the technology of production and the asymmetry of loading cycle on the cyclic strength and durability of bolted joints. p.33.
Ustinov, Kh.Sh. - Calculating circular friction butt joints. p.36.
Grinshpun, M.I. - Flexible pliability of free-wheeling clutches. p.38.
Kapustin, V.A. - Investigating critical points of temperature conditions in sliding bearings. p.42.
Syromiatnikov, V.S., Samoilov, S.I. - Shaving high-module high-rigidity gear wheels. p.45.
Isaev, V.N. - Analysis of the dimension diagram for a set of collector plates. p.48.
Proskurin, M.I. - Determination of specific pressures during the pressing in of the master die. p.52.
Ryzhov, E.V. - Supporting area of surfaces subjected to machining. p.56.
Lakov, E.V. - Investigating vibrations of boring tools. p.62.
Prokopenko, IU.G., Slutskii, IA.A. - Pulling forces exerted in machining cylindrical holes with multi-edge broaches. p.65.
Shul'gal'ter, L.IA. - Some economic aspects of the durability and reliability of machines. p.69.
Paramonov, F.I. - Using punch-card machines in classifying parts. p.72.
Ivanov, IA.A. - Using group technology in electroplating parts. p.77.
Freidenberg, N.M. - Centralized production of splined shafts. p.79.
Ryzhov, E.V. - First All-Union Seminar on contact rigidity of elements of the technological system "machine tool-attachment-cutting tool-part." p.81.
Pestovskii, P.B. - Results of the All-Union Competition for the best research and production engineering work on the manufacture of plastic parts. p.82.
Mosolova, E.N. - "Technology of making parts of pipes" by F.V. Mosin. p.87.
Dugin, M.A. - "Fundamentals of efficient machinery design" by R.A. Kartavov. p.88.
New books. p.89.
Review of foreign periodicals. p.91.
Bibliographical lists and card indexes. p.93.
To the attention of subscribers. p.41, 66.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration for the Protection of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol.6, no.5(72), May 1964.

8. MINING & METALLURGY

***AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY].** Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol.43, no.4(454), Apr. 1964.

Table of contents translated:
Aliev, A.K. - Evaluating the prospects for finding gas and oil in the marginal sedimentation zones in the intermontane depression between the Lesser and Greater Caucasus. p.1.
Khalafova, R.A., Sharafutdinov, F.G., Kuznetsova, Z.V. - Stratigraphy and the prospects for finding gas and oil in the Upper Cretaceous sediments of the Kazanbulakhkend area. p.4.
Polandin, A.M., Khalili, E.D., Shapiro, R.A. - Hydrogeological and hydrochemical characteristics of the Peschanyy-More oil field. p.7.
Mollakov, V.I., Shapirovskii, N.I. - Predicting the temperature of deep reservoirs. p.10.
Kagramanov, K.N. - Certain characteristics of the Kabur mud volcano. p.12.
Nasirov, S.A., Akhundov, A.A., Mamedov, S.T. - One of the basic difficulties involved in deep slant well sinking on Peschanyy Island. p.14.
Salamov, M.IU., Nabiev, Sh.V., Fradkin, A.S. - Effect of the bit torque on drilling efficiency. p.17.
Gabuzov, G.V. - Some problems in water flushing. p.20.
Avanesova, A.M., IAnkelevich, T.S. - Determining the constant of a viscoplastic drilling-fluid flow. p.24.
Melik-Aslanov, L.S., Shkerov, O.A. - Selecting wells for sand-jet perforation. p.28.
Kreiman, B.D., Urusov, IA.K. - Effect of the sand concentration on the wear of pipes and sucker rod joints in lean wells. p.29.
Nazarov, S.N. - Effect of circulating water on the well bottom zone. p.31.
Bagirov, I.T. - Selecting an efficient arrangement for distilling oil in present-day pressure and pressure-vacuum distillation units. p.34.
Dzhafarly, Ch.M., and others. - Improving the sulfuric acid purification of diesel oil raffinate. p.36.
Shikhi-Zade, M.G. - Industrial engineering of the production of distilled naphthenic acids. p.39.
Ashimov, M.A., and others. - Synthesis of surfactants and cleaning compounds on a base of products of naphtha alkylation with thermal-cracking gasoline. p.41.
Ramazanov, R.A., Teigel'man, M.S. - Advantages of the stamped-welded equipment for flowing wells. p.44.
Mamedov, F.I., Aliev, T.M., Ter-Khachaturov, A.A. Magnetoelastic frequency stress gauge. p.46.

GAZOVOE DELO [GAS INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.11, 1963.

Table of contents translated:
Shnaider, B.A., Ostashenko, A.I. - Results of testing nonuniformly consolidated reservoir rocks in well No.11 of the Farab prospecting area. p.3.
Khitsov, A.M. - Approximate method for calculating certain thermodynamic parameters of gas condensate systems. p.6.
Starkovskii, A.I. - Calculating the intrusion of water into a gas pool with constant gas saturation of the flooded zone. p.9.
Ramazanov, R.A., Sel'tsova, A.M. - Designing stop devices for the well-head equipment of flowing wells sealed with special lubricants. p.13.
Tikhomirov, E.N. - General automatic control of boiler houses. p.16.
Makogon, IU.F. - Preventing the formation of hydrates in the exploitation of the Shchelkovo underground storage. p.21.
Iolovich, V.L. - Electrolytic moisture gauge for gases. p.25.
Sukharev, V.A., Rozenfel'd, V.M., Likhova, N.P. - Efficiency in the full utilization of optimal pressure drop in city gas networks. p.30.
Tsvetkovskii, M.V. - Comparing the economic indices of various anticorrosion measures. p.35.
Tikhonov, D.A. - Use of liquefied gases in the national economy of the U.S.S.R. p.42.
Bavich, M.B. - Determining efficient utilization of liquefied gases. p.46.
Baus, IU.P. - Using a simplified method for heat calculations in controlling the formation of carbon black in products of the incomplete combustion of gaseous fuel and liquid hydrocarbon crude. p.50.
Semenova, N.K. - Gas and gas condensate fields of Shebelinka. p.54.
Drozdova, T.A. - Prospects for providing the United States and the countries of the Common Market with power resources. p.57.
Automatic gasoline-plant unit in Louisiana. p.61.
Device for liquefying natural gas. p.65.
Production of liquefied petroleum gases in the United States in 1962, translated by B.S. Tsukerman, A.G. Pantcheva. p.66

No.3, 1964.

Table of contents translated:
Diadinov, G.L., Kudaev, A.M. - Exploiting the Maikop gas condensate field. p.3.
Margulov, G.F., Okun', N.M. - Certain regularities in the change of the chemical composition of hydrocarbons in the Gazli field. p.8.
Korolev, A.M. - Operation of the Shebelinka-Ostrogozhsk gas pipeline in 1962-1963. p.14.
Gordzialkovskii, V.V., Brekhman, M.I., Dubinskii, M.N. - Unit for the automatic introduction of methanol into a gas pipeline. p.16.
Tolstaia, M.A., Ioffe, E.L., Potemkinskaia, I.V. - Electrochemical corrosion of underground steel equipment by commercial frequency currents. p.19.
Makhmud, G.M. - Simultaneous protection of some underground metal equipment in the city of Leningrad from corrosion by stray currents. p.26.
Akbarov, G. - I-t- diagram for the calculation of the combustion of Bukhara natural gas in furnaces of consolidating heating. p.31.
Soshin, IU.P. - Firing for gas contact-surface water heaters. p.36.
Increasing the power of two gas-turbine units. p.43.
Effect of natural gas on the growth of the chemical fertilizer industry in Canada. p.46.
Annotation to article published in the scientific and technical magazine "Gazovoe delo" No.3, 1964, Central Scientific Research Institute for the Technical and Economic Investigation of the Petroleum, Petrochemical, and Gas Industry.

***GEOLOGIIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS].** Organ of Gosudarstvennyi geologicheskii komitet SSSR and Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Geological Committee of the U.S.S.R. and the State Production Committee for the Gas Industry of the U.S.S.R.]. Moscow, vol.8, no.1, Jan. 1964.

Table of contents translated:
Let us create new oil and gas producing centers in Western Siberia and the Southern Mangyshlak Peninsula. p.1.
Neremner, N.F., Rovnin, L.I. - Megion oil field and the prospects for finding oil and gas in the Lower Vartovskiy arch. p.6.
Rovnin, L.I. - Punga natural gas field in Tyumen' Province. p.12.
Trofimuk, A.A., and others. - Basic problems of the prospecting in the Markovo oil field in Eastern Siberia. p.15.
Nikonov, V.F. - Composition of the crudes of the northern Ob' Valley. p.20.
Burshtar, M.S., and others. - Principal results of geological prospecting and problems of regional investigations in the Northern Caucasus. p.25.
Aliev, A.G., and others. - Prospects for finding gas and oil in the Samur regions of Daghestan and Azerbaijan. p.29.
Shimanskii, A.A. - Regularities in the distribution of the oil and gas pools in the Mesozoic sediments of western Ciscaucasia. p.33.
Rozanov, A.N. - Establishing a thermodynamic basis for the laws of the distribution of the Upper Cretaceous oil pools in the Chechen-Ingush A.S.S.R. p.38.
Muslukov, V.V., Gallavich, A.Sh. - Employing luminescent analysis of lateral samples to evaluate the oil potential of reservoir rocks in western Bashkiria. p.41.
Antvaltsaturov, S.A. - Prospects for finding oil and gas in the Azerbaijan part of the Kura-Iori interfluve. p.45.
Sinitsyn, F.E., Sardonnikov, N.M. - Tectonics of and prospects for finding gas and oil in the eastern part of the Issyk-Kul' Basin. p.48.
Tsimel'zon, I.O. - Tectonics of the Paleogene-Mesozoic sediments of the Kirovabad oil- and gas-bearing region in the light of geophysical data. p.53.
Dobrynin, V.M. - Calculating the initial oil reserves in water drive reservoirs using their elastic characteristics. p.57.
Bibliography. p.61.
Tat'iana Lazarevna Ginzburg-Karagicheva; obituary. p.3 of cover.

***GEOLOGIIA RUDNYKH MESTOROZHDENII [GEOLOGY OF ORE DEPOSITS].** Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.5, no.6, Nov.-Dec. 1963.

Table of contents translated:
Vakhrushev, V.A. - Principles of the genetic classification of contact-metasomatic iron ore deposits in the Altai-Sayan region. p.3.

Malinko, S.V. - New type of endogenetic boric mineralization and some problems of the genesis of borates in hydrothermal process. p.9.

Ontoev, D.O. - Some problems of the geology of fluorine, rare-earth, and iron ore deposits. p.18.

Kristal'nyi, B.V. - Structural conditions governing the endogenetic mineral formation and characteristics of the localization of mineralization in the main ore-bearing zones of the Chorukh-Dayron ore field. p.34.

Komarov, P.V. - Geochemical specialization of ore-forming solutions of igneous origin in relation to mineralizers (clorine, fluorine and boron). p.51.

Kashirtseva, M.F. - Characteristics of uraninite and uranium blacks in some infiltrated deposits. p.65.

Pereliaev, A.P. - Internal structure of pyrite grains of various origin and research methods. p.73.

Goleva, R.V. - Prospecting for lead-zinc deposits in the sedimentary rocks of North Ossetia (Northern Caucasus). p.87.

Lur'e, L.M. - Some phenomena of ore metamorphism in the Zambarak deposit (eastern Karamazar Mountains, Central Asia). p.93.

IAkovlev, I.A., Uvad'ev, L.I., Grinchenko, B.M. - Some new data on the structure of the Pechenga synclinorium. p.96.

Titov, V.N. - Geology of the Shevchukovskoye deposit in the Kansay ore field. p.101.

Popov, V.M. - Problems of Dzhezkazgan ore genesis in the light of new facts. p.105.

Saukov, A.A. - Second All-Union Conference on Geochemical Prospecting for Ore Deposits. p.117.

Aleksandr Evgen'evich Fersman and problems of minerals; on the 80th anniversary of his birth. p.119.

Contents of the journal "Geologia rudnykh mestorozhdenii" for 1963. p.121.

GROZNY. GROZNENSKII NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [GROZNY PETROLEUM RESEARCH INSTITUTE. Transactions]. No. 15, 1963. Tekhnologiia pererabotki nefti i gaza. Neftekhimiia [Technology of oil and gas refining. Petroleum technology].

Table of contents translated:

Dorogochinskii, A. Z. - Work of the collective of the Grozny Petroleum Scientific Research Institute in the development of new technological processes in oil refining and petroleum chemistry. p. 3.

Levchenko, E.S., Bobkova, E.N., Ponomareva, E.A. - Oil of the upper Cretaceous sediments of the Chechen-Ingush A.S.S.R. - p. 16.

Levchenko, E.S., Batlanova, T.F., Aleksandrova, R.P. - Upper Cretaceous oil of the Khayan-Kort prospecting region. p. 25.

Bortsova, M.P., and others. - Plant experiments in the demulsification of Ozek-Suat oil and the preparation of demulsifiers. p. 34.

Amerik, B.K., and others. - Refining sour mazuts. p. 42.

Amerik, B.K., and others. - Pilot plant for the two-stage destructive vacuum distillation of oil residues. p. 59.

Amerik, B.K., and others. - Contact coking of a cracking residue in a mixture with powdered coke on a pilot plant. p. 68.

Amerik, B.K., and others. - Designing apparatus for contact pyrolysis. p. 75.

Mitrofanov, M.G. and others - Selecting the best arrangement for separating gasoline fractions in molecular sieves. p. 84.

Malin, A.G., Baiburskii, L.A., Krechetova, P.I. - Obtaining gas-turbine fuels from high-paraffin crude. p. 94.

Amerik, B.K., and others. - Obtaining and testing a test sample of gas-turbine fuel derived from the contact coking of a sweet cracking residue. p. 105.

Riazantsev, IU.P., Vainshtein, TS.V. - Investigating the kinetic laws of thé burning of granulated petroleum coke. p. 111.

Svetozarova, O.I., Zhdanova, V.V. - Studying the depressing effect of tar residues on the pour point of gas-turbine fuels. p. 119.

Vol'tsova, E.G., and others. - Studying the operation of a unit for the sulfuric acid alkylation of isobutane with butylenes with consecutive feeding of the contactors in the Novogroznyy Petroleum Refinery. p. 127.

Mitrofanov, M.G., Bondarenko, N.I., Makar'ev, S.V. - Technological process of dewaxing diesel fuels with crystal carbide. p. 137.

Mitrofanov, M.G., Bondarenko, N.I., Kozhevnikov, G.S. - Operation of an industrial electric cleaning plant. p. 143.

Kozorezov, IU.I., and others. - Operation indices and the evaluation of certain methods for designing rectifying columns for industrial petroleum refining plants. p. 148.

Mirskii, IA.V., and others. - Developing the technology of the plant process for obtaining molecular sieves. p. 165.

Breshchenko, E.M., and others. - Selecting a heat carrier for the contact pyrolysis of gases and gasoline fractions. p. 176.

Breshchenko, E.M., Remizov, V.G. - Mechanical strength of aluminum-chromium-potassium catalysts. p. 187.

Stepuro, S.I., Bogdanov, N.F., Gladyshev, V.P. - Adopting a paraffin-distillate processing installation in the new paraffin shop of the Grozny Petroleum Lubricant Plant. p. 195.

Bogdanov, N.F., and others. - Obtaining a low-melting paraffin from diesel fuel fractions by filter pressing and sweating. p. 201.

Mitrofanov, M.G., and others - Test results of an experimental plant rotary disk contactor. p. 213.

Artem'eva, O.A., Martynenko, A.G., Stepuro, S.I. - Obtaining MS-20 aircraft oil from a mixture of petroleums of the upper Cretaceous sediments in the Chechen-Ingush A. S. S. R. p. 220.

Pereverzev, A.N. - Dewaxing of residual oils in a propane solution. p. 229.

Kazanskii, B.A., and others. - Studying the dehydrogenation of isopentane on K-544 and K-5 finely devided catalysts. p. 241.

Kazanskii, B.A., and others. - Dehydrocyclization of normal hexane. p. 254.

Vol'pova, E.G., Ogloblina, L.I. - Studying the conditions governing the regeneration of a silicotungstic catalyst for the polymerization of propylene and the economics of the process. p. 265.

Konoplev, V.P., Dorogochinskii, A. Z., Mitrofanov, M.G. - Alkylizing toluene with propylene in the presence of aluminum chloride and polyalkyl toluenes. p. 271.

Konoplev, V.P., Dorogochinskii, A. Z., Mitrofanov, M.G. - Initiating the oxidation of cymenes in the liquid phase. p. 274.

Kuprilanov, V.A., Dorogochinskii, A. Z., Mel'nikova, N.P. - Studying the hydrogenation of fractions of industrial isodecyl benzene on a nickel catalyst. p. 278.

Pal'chikov, G.F., Igonin, P.G., Pashenko, M.A. - Crude for obtaining synthetic naphthenic acids. p. 294.

Igonin, P.G., and others. - Oxidation of naphthenic hydrocarbons. p. 298.

Igonin, P.I., and others. - Continuous and periodic oxidation of liquid paraffins to produce synthetic fatty acids. p. 303.

Igonin, P.G., and others. - Oxidation of isoparaffin hydrocarbons. p. 323.

Levchenko, E.S., and others. -Investigating the hydrocarbon content of straight-run gasolines obtained from oils of the Northerñ Caucasus. p. 333.

Svetozarova, O.I., and others. - Studying the composition of gasolines derived from the catalytic cracking of high-paraffin kerosene gas oil. 344.

Demenkov, I.A. - Analyzing natural gases for helium by mass spectometry. p. 351.

Votlokhin, B.Z., Shots, G.B. - New instruments for measuring technological parameters in petroleum refining and petroleum chemistry. p. 353.

Umanskii, M.M., Voronkova, K.F. - Economics of the production of benzene from crude. p. 366.

KEMEROVO. VOSTOCHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO BEZOPASNOSTI RABOT V GORNOI PROMYSHLENNOSTI. Nauchnye soobshcheniia [EASTERN SCIENTIFIC RESEARCH INSTITUTE FOR MINE SAFETY. Scientific Reports]. No.3, 1963.

Table of contents translated:

Miasnikov, A.A., Cherviak, O.I. - Characteristics of the climatic conditions of hydraulic sections of Kuznetsk Basin mines. p. 3.

Miasnikov, A.A. - Effect of the rate of mining a coal seam on the ventilation of the stope. p. 13.

Miasnikov, A.A. - Calculation of the methane abundance of workings of a shield section. p. 21.

Surkov, A.L. - Condition of the ventilation in stopes with a large pitch of caving. p. 32.

Satarov, V.N. - Determination of the expected methane liberation from walls of blind workings in various methods of development mining. p. 39.

Efremov, K.A., Kolotovkin, L.D. - Sources of gas liberation in Kuznetsk Basin mines during the use of the long pillar system along the strike. p. 48.

Al'perovich, V.IA., Markov, A.D., Aksenova, E.M. - Investigating the method of chemical neutralization of poison gases during blasting operations conducted in Kuznetsk Basin mines. p. 57.

Chernov, O.I., Puzyrev, V.N. - Various degrees of danger of outbursts in coal seams along the height of the level. p. 65.

Chernov, O.I., Rozantsev, E.S. - Investigation for the purpose of determining the number of advance boreholes while mining development workings on seams presenting a danger of sudden outbursts of coal and gas. p. 71.

Likhachev, L.IA., Belonogov, I.P., Vasil'ev, V.I. - Studying the efficiency of using water screens and normalization of their operation. p. 80.

Maevskaia, V.M. - Classification of Kizel Basin coals according to the degree of their tendency toward spontaneous combustion. p. 83.

Vertiachikh, V.G., Bezdenezhnykh, A.G. - Certain characteristics of industrial casings for explosion-proof equipment. p. 87.

Vertiachikh, V.G., Bezdenezhnykh, A.G. - Basis for standards on current leakage distances from electrical equipment in mines. p. 93.

Potylitsyn, I.V. - New sparkproof systems for the remote control of explosionproof magnetic starters. p. 103.

Kashitsyn, G.E., Tyrtyshnyi, P.I. - Selection and checking of the setting devices of overcurrent protection systems in supplying power to several large electric current receivers from a single transformer. p. 114.

Pak, P.B., Terekhova, N.V. - Increasing the safety in conducting repair operations in underground electrical systems with voltages exceeding 1,000 volts. p. 120.

KRIVOY ROG. GORNORUDNYI INSTITUT. Sbornik nauchnykh trudov [INSTITUTE FOR MINING AND ORE DRESSING. Papers]. Moscow, no. 18, 1962. "Shakhtnoe i grazhdanskoe stroitel'stvo" ["Mine and civil construction"].

Table of contents translated:

Babkov, B.F., Arakin, S.A. - Construction of mining and ore dressing combines in the Krivoy Rog Basin. p. 3.

Prianik, P.K., Piskunov, A.P. - Pile foundations on settling soils. p. 16.

Klimenko, E.V., Dmitrichenko, V.A. - Precast reinforced concrete skip walls for blast furnaces. p. 22.

Liubimov, A.A., and others. - Study of the deformation of concrete. p. 29.

Chmykhov, F.S. - Draining water from inclined roofs without the use of roofing steel for galleries. p. 45.

Fedorov, I.A. - Determining stresses in rods of a flat statically determinate truss. p. 50.

Liubimov, A.A. - Resistance of rods taking into account the rheological properties of concrete. p. 63.

Fedorov, I.A. - Conditions for minimum size frames with specified strains. p. 75.

Borshcheva, T.P., Efimov, P.I. - Structural control network used in the construction of mine buildings. p. 80.

Zhukov, N.G. - Studying deflections of a conveyor bridge. p. 93.

Lidnevich, A.G., Batlasnyi, R.E. - Efficient use of engineering spaces under floors in series 1-464P houses. p. 95.

LENINGRAD. GORNYI INSTITUT. Zapiski [INSTITUTE OF MINING, Records]. Vol. 45, no. 2, 1963. Geokhimicheskie i radioaktivnye metody poiskov i razvedki poleznykh iskopaemykh [Geochemical and radioactive methods of prospecting for mineral resources].

Table of contents translated:

Kviatkovskii, E.M., Kritsuk, I.N. - Quantitative interpretation of secondary dispersion halos of lead. p. 3.

Kviatkovskii, E.M. - Primary dispersion halos of auric quartz veins in the Lyubavinskoye ore-bearing area (Eastern Transbaikalia). p. 10.

Kapkov, IU.N. - Methods of geochemical investigation. p. 16.

Kapkov, IU.N. - Easily soluble uranium in metamorphic rocks of the Sinian system. p. 21.

Kritsuk, I.N. - Effect of sorption on the formation of eluvial and slide-rock dispersion halos. p. 25.

Blinov, V.A., Kviatkovskii, E.M. - Geochemical characteristics of granitoids in the Khapcheranga region. p. 31.

Zabolotnov, A.S. - Radioactivity of rocks in the Argun Mountain Range (Southeastern Transbaikalia). p. 34.

Kiriukov, V.V., Paradeev, S.V. - Germanium in some brown coals. p. 39.

Novikov, G.F. - Some remarks concerning the interpretation of gamma-logging diagrams in the study of complex uranium-thorium ores. p. 45.

Artsybashev, V.A. - Effect of weakening of broadly radiating gamma rays as used for absolute measurements of volume weights of rocks and ores. p. 52.

Artsybashev, V.A. - Reevaluation of coefficients for the quantitative interpretation of gamma-logging and gamma-assaying of uranium ores. p. 61.

Putikov, O.F. - Determination of the correction for radiocontamination of rocks in gamma-ray logging. p. 68.

Grigor'eva, O.A., Kviatkovskii, E.M. - Highly sensitive double-arc method of spectrographic analysis for the detection of gold and some disseminated elements. p. 74.

Khokhlov, V. V. - Quantitative determination of the principal chemical elements in the complete spectrographic analysis of rocks. p. 81.
Khokhlov, V. V. - Accelerated methods of spectrographic analysis in the study of the distribution of chemical elements in sedimentary rocks. p. 91.
Maiorov, N. F. - Technique of the analysis of vegetable bedding assays in biochemical surveys. p. 107.
Fedorenko, IA. D. - Selection and treatment of assays in fluorometric surveys in eastern Transbaikalia. p. 114.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT MEKHANICHESKOI OBRABOTKI POLEZNYKH ISKOPAEMYKH. Trudy [ALL-UNION SCIENTIFIC RESEARCH AND PLANNING INSTITUTE FOR THE MECHANICAL PROCESSING OF MINERALS. Transactions]. No. 131, 1962. Nekotorye voprosy teorii i tekhnologii obogashcheniia rud [Theory and the technology of ore dressing].

Table of contents translated:
Preface. p. 3.
Dolzhenkova, A. N., Strel'tsyn, G. S. - Using the electrokinetic method in studying the regularities of the flotation process. p. 7.
Dolzhenkova, A. N., Strel'tsyn, G. S. - Changes in the ζ -potential of quartz in the presence of modifying agents and a cation collector. p. 24.
Konev, A. S., Debrivnaia, L. B. - Desorption of a collector from the surface of minerals. p. 43.
Vaneev, I. I. - Mechanism of the depressing action of carboxymethylcellulose on flotation-active silicates during the flotation of copper-nickel ores. p. 75.
Miagkova, T. M. - Effect of the amount of air drawn in by an impeller of a flotation machine on the results of the flotation. p. 89.
Badeev, IU. S. - Structural and mechanical properties of suspensions used in ore dressing practices and their effect on the nature of the motion of solids. p. 111.
Sulina, R. I., Nikol'skaia, L. A. - Technology of cyanide-free separation of copper-zinc-pyrite ores. p. 138.
Debrivnaia, L. B. - Improving the quality of a zinc concentrate by the removal of copper and iron. p. 147.
Perlov, P. M., Eskin, A. I., Miagkova, T. M. - Extraction of copper from "unyielding" ores using a combined ore dressing flow sheet. p. 162.
Perlov, P. M., Eskin, A. I. - New flow sheet for dressing lean oxidized nickel ores. p. 177.
Eropkin, IU. I. - Complex dressing of molybdenum ores. p. 191.
Nagaenko, V. A. - Dressing of lead ores containing pyrrhotite, iron carbonates, and an insignificant quantity of zinc. p. 196.
Kudriakova, N. I. - Removal of chlorite and sericite from sulphide concentrates. p. 202.
Grosman, L. I. - Separation of nonsulphide minerals in an acidulated medium. p. 208.
Bakhteeva, V. G. - Flotation of alunite ores. p. 219.
Shevereva, T. N. - Flotation of phosphorites with cation collectors. p. 227.
Abramov, A. A. - Studying the material composition of oxidized and mixed lead and zinc ores. p. 237.
Konev, A. S. - Putting into practice the desorption and removal of reagents process under industrial conditions. p. 248.
Bakinov, K. G. - Methods of washing collective concentrates. p. 250.
Miagkova, T. M. - Calculation of the technological results of ore dressing in conducting laboratory experiments on the continuous process. p. 260.

MASHINY I NEFTIANOE OBORUDOVANIE [MACHINERY AND PETROLEUM EQUIPMENT]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi'i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 3, 1964.

Table of contents translated:
Arkhangel'skii, V. L. - Effect of the gear ratio of a transmission case on the start of a drill hoist with a torque converter. p. 3.
Shmerkovich, V. M., Margolin, G. A. - Two-way heat exchangers in the annular space. p. 7.
Kulakov, V. M. - Selecting the safety factor in calculations of petrochemical apparatus for strength. p. 10.
Zhunev, P. A., Kotelevskii, IU. M., Eksler, L. I. - Designing ball gland cocks. p. 10.
Teodorovich, V. P., Kolgatin, N. N., Deriabina, V. I. - Results of an examination of the metal parts of a catalytic reforming apparatus. p. 15.
Gromov, A. V. - Device for attaching connections in rubber hoses. p. 20.
Stepanov, V. P., and others. - Electronic instrument for measuring the interface level of raffinate and extract solutions. p. 22.
Blagoveshchenskii, A. B., Kucherniuk, V. A. - Thermally stabilized amplifier with a relay characteristic. p. 26.
Avakov, V. A., Kalashnikov, V. V., Raikhel', A. IA. - Selecting diesels for drilling rigs. p. 29.
Levin, B. M. - Automatic control of a separator unit. p. 31.

METALLURGIIA I METALLOVEDENIE CHISTYKH METALLOV [PROCESS METALLURGY AND PHYSICAL METALLURGY OF PURE METALS]. Issued by Moskovskii inzhenerno-fizicheskii institut [Moscow Institute of Engineering Physics]. Moscow, no. 4, 1963.

Table of contents translated:
Preface. p. 3.
Emel'ianov, V. S., Evstiukhin, A. I., Abanin, D. D. - Iodide method of refining zirconium. p. 5.
Evstiukhin, A. I., Orlov, K. V. - Investigating a fluoride-chloride electrolyte as a zirconium bath. p. 11.
Emel'ianov, V. S., Barkov, N. V. - Effect of hydrogen and nitrogen on the corrosion resistance of zirconium in water and steam. p. 18.
Fedorov, G. B. - Value of zirconium self-diffusion parameters. p. 34.
Dashkovskii, A. I., Semenikhin, A. N., Gruzin, P. L. - Internal friction and the elasticity modulus of cold-worked zirconium. p. 41.
Bychkov, IU. F., Ivanov, V. A., Rozanov, A. N. - Formation of scale with a structure of $6ZrO_2.Nb_2O_5$ on zirconium-niobium alloys. p. 47.
Emel'ianov, V. S., and others. - Preparation and properties of single crystals of molybdenum. p. 58.
Fedorov, G. B., Zhomov, F. I. - Diffusive penetration of uranium into molybdenum from a uranium-niobium-zirconium alloy. p. 64.
Evstiukhin, A. I., Nikishanov, V. V., Milov, I. V. - Investigating the distribution of impurities in niobium following zonal recrystallization. p. 69.
Korobkov, I. I., Reviakin, B. N., Chen' Kho-min [Ch'en Ho-ming] - Electronographic and X-ray investigation of oxide films on niobium. p. 84.
Korobkov, I. I., Reviakin, B. N., Chen' Kho-min [Ch'en Ho-ming]. - Investigating the kinetics of the oxidation of niobium iodide remelted by the electron-beam method. p. 93.
Fedorov, G. B., Smirnov, E. A., Zhomov, F. I. - Diffusion and thermodynamic characteristics of nickel-chromium alloys. p. 110.
Beskorovainyi, N. M., Zuev, M. T., Eremeev, V. S. - Interaction of austenitic chromium-nickel steel with liquid lithium. p. 122.
Beskorovainyi, N. M., and others. - Corrosion resistance of iron in lithium. p. 130.
Beskorovainyi, N. M., Zuev, M. T. - Corrosion resistance of titanium in lithium. p. 144.
Evstiukhin, A. I., and others. - Investigating alloys in the system rhenium - carbon. p. 149.
Dashkovskii, A. I., and others. - Changes of properties during repeated heat treatments, stress-rupture strength and the internal friction of sintered aluminum powder. p. 160.
Milov, I. V., Skorov, D. M., Nikishanov, V. V. - Mechanical properties of beryllium following zonal recrystallization. p. 175.
Dashkovskii, A. I. - Internal friction of certain polymorphous metals. p. 182.
Okonnikov, E. G. - Investigating the role of small admixtures of silver in palladium. p. 188.
Gruzin, P. L., Semenikhin, A. N., Andreev, V. I. - Equipment for measuring internal friction in metals. p. 194.
Gruzin, P. L., and others. - Studying the corrosion of metals and alloys by radioactive tracers. p. 198.
Danilkin, E. A., Fedorov, G. B., Riabova, G. G. - Methods of quantitative autoradiography. p. 207.
Basova, K. T. - Apparatus for the simultaneous measurement of galvanomagnetic and thermomagnetic effects. p. 209.
Basova, K. T. - Thermomagnetic effects in GaSb. p. 214.
Gribanov, IU. I., Karmilov, A. G., Lednev, I. A. - Equipment for the X-ray analysis of radioactive materials. p. 228.
Gruzin, P. L., Zemskii, S. V., Rodina, I. B. - Studying the diffusion of carbon and molybdenum in chromium. p. 243.

MOSCOW. INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. Nauchnye soobshcheniia [A. A. SKOCHINSKII INSTITUTE OF MINING. Scientific Reports]. Vol. 22, 1963.

Table of contents translated:
Orlov, R. V. - Using calculating machines to study the parameters of mining machines and mechanisms. p. 3.
Stepanova, E. M. - Using electronic machines for calculating the average temperature of frozen rock barriers. p. 16.
Bagrinovskii, A. D. - Geometric theory of mine ventilation systems. p. 21.
Martyniuk, G. K. - Contemporary ideas concerning the rupture of a solid. p. 32.
Riabchenko, D. V. - Effect of angular and free linear contours on the distribution of stresses in a half plane under the action of a concentrated load. p. 43.
Mel'nikov, E. A. - Study of the stressed state of pillars and measures for increasing their supporting power. p. 56.
Khaimova-Mal'kova. - Effect of the coefficient of lateral thrust on the stability of various kinds of openings. p. 64.
Baranovskii, V. I., Shmykov, I. P., Utochkin, V. A. - Automatic pressure measurements by means of models made of equivalent materials. p. 75.
Terpogosov, Z. A. - Methods of comparing and selecting design elements for mining systems according to their relative stability. p. 70.
Baron, L. I., Shabel'nikov, V. P. - Analysis of the efficiency of basic measures for improving the technology of mining thick ore deposits. p. 84.
Baldin, A. V. - Method of laboratory investigation of the transportation of ores by the force of explosion. p. 108.
Aleksandrov, N. I., Efanov, I. I. - Results of rock breaking by compressed air. p. 117.
Vinitskii, K. E., Pakhomov, E. M. - Optimum criteria and methods of determining the productive capacity of mining enterprises. p. 122.
Flavitskii, IU. V. - Testing unit for studying stresses in columns of boring rods. p. 127.
Golzman, E. I. - Results of the statistical analysis of the relation between the feed force and the thickness of the cut. p. 142.
Dolgov, V. L. - Measuring the stresses acting upon roller bits. p. 148.
Kurnosov, A. M. - Effect of depressions on the size of a mining area. p. 155.
Ustinov, N. I. - Gas abundance in mines of the Karaganda Basin with the use of new machines. p. 163.
Smoldyrev, A. E. - Effect of the disperse composition of coal on the technological parameters of hydraulic conveying. p. 171.
Goncharevich, I. F. - Effect of the lumpiness of materials on the normal pressure ratio and the effective friction ratio along a vibrating surface. p. 179.
Gordeev, V. N. - Some results of studying systems of three-dimensional electrohydraulic drive with an air and oil accumulator. p. 184.
Davydov, V. V., IAshchenko, I. I. - Apparatus for measuring the density of loose rock samples consolidated by resin solutions. p. 195.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PODZEMNOI GAZIFIKATSII UGLEI. Nauchnye trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF UNDERGROUND COAL GASIFICATION. Studies]. Moscow, no. 10, 1963.

Table of contents translated:
Nusinov, G. O. - Methods of determining gas leakage in underground gas generators. p. 3.
Semenenko, D. K. - Effect of hydrodynamic factors on gas losses in underground gasification. p. 7.
Semenenko, D. K. - Methods for calculating gas losses in underground coal gasification. p. 10.
Sidorov, E. A. - Considering the effect of some factors on heat and mass transfer during turbulent flow of compressible gas in underground gas producers. p. 17.
Sidorov, E. A. - Significance of coefficients of the exponential law-covering drag and heat and mass transfer in calculations of the underground gasification process. p. 21.
Sidorov, E. A. - Calculation of heat losses due to heat transfer in an underground gas generator. p. 24.
Sheinin, V. I. - Distribution of temperature along the length of the gas evacuation borehole. p. 32.
Fedorov, N. A. - Permeability of coal seams to gas and selection of a means of creating channels permeable to gas. p. 30.
Kreinin, E. V. - Effect of the linking distance on indices of fire flow-through connection linking in Kuznetsk Basin coal seams. p. 42.
Zybalova, G. P. - Air and fire flow-through connection linking in Angren. p. 46.
Semenenko, D. K. - Efficiency of a method of hermetic sealing of underground gas generators at the "Podzemgaz" gas producer plant in "Yuzhno-Abinskaya". p. 51.
holecasings in underground gas generators. p. 85.
Korolev, I. V. - Effect of geological conditions of deposits on the process of making initial gasification channels. p. 55.
Kazak, V. N., Sheinin, V. I. - Study of the physical, mechanical, and thermal properties of rocks for the the purposes of underground gasification of coals. p. 64.
Zhukov, V. V. - Preliminary results of studying the disturbance of the rock massif during the coal mining of seams of the Angren deposit in sections of various thickness. p. 77.

Vinogradov, B.G. - Characteristics of rock fracturing in the region of the Shatskaia "Podzemgaz" gas producer plant. p. 82.
Zhukov, V.V. and others. - Effect of the displacement of rocks during gasification of a coal seam in the Angren deposit on the disturbance of bore-

Efremochkin, N.V. - Role of Upinskii level underground waters in the flooding of a gas generator. p. 91.
Timofeev, IU.I. - Methods of determining the efficient porosity of rocks filling and burnt-out area. p. 99.
Skafa, P.V. - Cost of blow for underground coal gasification. p. 104.

NEFTEGAZOVAIA GEOLOGIIA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS]. Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning committee of the U.S.S.R., and the Central Scientific Research Institute of Technological-Economic studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 5, 1963.

Table of contents translated:
Fomina, G.V., Shpil'man, I.A., Cherepakhin, S.D. - Petroleum and gas potentials of the Ural Mountain portion of Orenburg Province. p. 3.
Klekov, V.A., Sheshukov, N.L. - Prospects for finding oil in the Orenburg portion of the Kama-Kinel' system of troughs. p. 8.
Muzychenko, N.M., Fomkin, K.V., Gordinskii, E.V. - Nature of the change of the structural forms in the Paleozoic cross section of the Volga Valley portion of Volgograd Province. p. 12.
Gabdrakhmanov, R.M. - Prospects for finding oil and gas in the Kinzebulat structures. p. 15.
Nadezhdin, A.D., Shatov, IU.I. - New data on the gas potential of the middle Carboniferous sediments of Bashkiria. p. 19.
Dolitskin, V.A., Chen' Sen'-TSian [Ch'ên Sên-ch'ien.] Modes of occurrence of sandstones in the Pashiya horizon of the Shkapovo oil field. p. 22.
Postnikov, D.V., Adler, M.G. - Conditions governing the sedimentation in the terrigenous Devonian formation in the Bashkirian arch and in its border sections in the Bashkirian A.S.S.R. p. 27.
Tikhvinskii, I.N., Mal'kovskii, F.S. - Structural-prospecting significance of a horizon with fauna of the massive corals of the Assel' stage. p. 31.
Balashova, M.M., Sazonova, M.D. - New data on the stratigraphy and lithology of the terrigenous sediments in the Lower Carboniferous of the southern part of the Kama arch. p. 33.
Kononkov, V.F., Kucheruk, E.V., Khenvin, T.I. - Nature of the gravity-magnetic anomalies of the Tersinka Trough in connection with prospects for finding gas and oil in it. p. 38.
Alekseev, G.P., Efremov, P.E. - Role and results of geophysical prospecting for oil and gas in Kuybyshev Province. p. 42.
Filippov, B.V. - Properties of the clay of the Devonian sediments in the Tatar A.S.S.R. p. 48.
Eremenko, N.A., Pankina, R.G. - Isotopic composition of the petroleum sulfurs of the Pashiya horizon. p. 50.
Koshliak, V.A., IAkupov, I.A. - Formation of water-oil interface in an oil pool. p. 52.
Stepin, I.G., IUdin, G.M - Combined study of layer D_1 in the Bavly field. p. 57.
Gazhov, S.S. - Geology and prospects for finding gas and oil in Gabon. p. 63.

No. 12, 1963.

Table of contents translated:
Ryzhkov, O.A., Khaimov, R.N., Zuev, IU.N. - New data on the gas potential of the Paleozoic sediments of the Samarkand megasyncline. p. 3.
Simonenko, A.N. - Types of local structures of the Kagan region and methods for studying them. p. 6.
Larin, V.L. - Nature of gas migration in the Gazli region. p. 11.
Shafranov, A.P., Skvortsov, I.I. - Types of cryptodiapiric salt-dome structures in the Caspian Lowland and their morphological features. p. 14.
Zakhidov, A.U., Ptushkin, E.I., Tiunov, K.V. - Structure of the eastern part of the northern Balkhan Trough. p. 19.
Ryzhkov, O.A., Emanuel', E.V., Atakulov, T. - Features of the formation of the anticlinal folds of the Surkhan synclinal zone. p. 23.
Subbota, M.I., Zhukov, S.G. - Gas zones of the northeastern part of Central Asia. p. 26.
Ravikovich, Kh.A., Karimov, A.K. - Hydrochemical and geochemical criteria for determining the oil and gas potentials of Fergana and Ustyurt. p. 33.
Finkel'shtein, Sh.D., Pashkovskii, V.N. - Diagram of the hydrogeological zoning of southwestern Tajikistan. p. 37.
Gorbenko, L.A. - Efficiency of the PK-103 jet perforator. p. 40.
Zakharov, E.V. - Establishing a basis for determining optimal depths for estimating hypothetical reserves. p. 47.
List of articles published in the magazine "Neftegazovaia geologiia i geofizika" in 1963. p. 52.

No. 3, 1964.

Table of contents translated:
Vasil'ev, V.G., Cherskii, N.V. - Oil and gas prospecting operations in Siberia during the first five years of the seven-year plan and the outlook for these operations. p. 3.
Zapivalov, N.P., Rozhok, N.G., Shpil'man, K.A. - Oil and gas fields in Tomsk Province. p. 8.
Bagirian, G.V., Kuznetsov, A.S. - Oil fields in the middle Ob' Valley. p. 10.
Salmanov, F.K. - Ust'-Balyk oil field. p. 12.
Karapetov, A.M., Bogdanova, L.M., Nosenkov, I.E. - Programming the commercial prospecting in the Ust'-Balyk oil field. p. 17.
Barskov, I.S., Vysotskii, V.I. - Prospects for finding oil and gas in the southwestern part of Tunguska Basin. p. 20.
Meshcherskaia, E.N. - Reservoir properties of the rocks of the southern part of the East Siberian Platform. p. 24.
Mironchev, IU.P., Tikhomirov, IU.P. - Types of local uplifts in the Vilyuy syneclise and the central part of the Verkhoyansk Range. p. 29.
Zheleznova, A.P. - New data on the geological structure of the Zeya-Bureya trough and the further development of prospecting for oil and gas. p. 33.
Petritskaia, L.I., Ratner, V.IA. - Kolendo oil field on Sakhalin. p. 38.
Serikov, IU.I. - Taking well conditions into consideration when interpreting gamma-logging data. p. 42.

NEFTEPERERABOTKA I NEFTEKHIMIIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 11, 1963.

Table of contents translated:
Vasil'ev, S.F., Agafonov, A.V. - Obtaining high-octane gasolines. p. 3.
Derekh, P.A., Kutsevalov, V.V. - Improving an enlarged deasphalting unit. p. 7.
Gamid-zade, G.A. - Catalytic cracking of heavy motor alkylate. p. 11.
Stringina, L.R., Lavrent'ev, K.G., Breshchenko, E.M. - Increasing the wear resistance of a granulated refractory clay used as a heat carrier. p. 13.
Chertkov, IA.B., Marinchenko, N.I., Zrelov, V.N. - Analyzing the microcontaminants and residues in middle distillate fuels. p. 16.
Nazaretova, N.B., and others. - Certain problems involved in the recovery of solvents. p. 18.
Arutiunov, I.Kh., Stolov, A.I., Lezhneva, V.A. - Efficient field crops growth stimulant from petroleum refining wastes. p. 22.
Shakhi-zade, M.G. - Technology of oil growth promoting substances. p. 24.
Teleshova, M.N., Vigalok, R.V., Vasil'eva, A.A. - Investigating the individual hydrocarbon composition of gasolines. p. 27.
Lapidus, A.S. - Hardening in obtaining acetylene from hydrocarbon raw materials. p. 31.
Uslukin, I.P., and others. - Effect of carbonic acid on the solubility of acetylene in acetone and methanol at low temperatures. p. 35.
Kurochkin, M.P., Kirillov, M.N. - Automatic analyzer of the coke content in a regenerated bead catalyst. p. 41.
Gorlov, V.F., Skoblo, A.I. - Tube stills with a fluidized bed of powder fuel. p. 42.
Negreev, V.F., Dadashev, Kh.K., Skvortsova, M.F. - Reducing the corrosion on the apparatus of atmospheric still units. p. 46.
Octane numbers of straight-run gasolines. p. 50.

No. 3, 1964.

Table of contents translated:
Bikkulov, A.Z. - Effect of water on the properties of phenol as a selective solvent. p. 3.
Glazov, G.I., Fal'kovich, M.I., Chernozhukov, N.I. - Some recommendations for the dewaxing of distillate oils. p. 7.
Chvertkin, A.L., Luppov, L.V. - Improving the production technology of all-purpose addition agents. p. 11.
Sharapov, V.I., Fomina, A.M. - Determining the tars present according to All-Union State Standards 8489-58. p. 16.
Aizenshtain, P.G., and others. - Chemical-flotation and electric-flotation methods for the purification of waste waters. p. 18.
Bodan, A.N., Masknev, A.K., Khrapko, V.I. - Production of bitumen from Valeny oil. p. 21.
Aliev, D.A., and others. - Apparent and bulk densities of petroleum coke. p. 24.
Shul'gina, E.M., Arutiunova, A.Kh., Blumshtein, A.E. - Improving the method for determining the hydrogen sulfide content in gases. p. 26.
Vol'fson, I.S., and others. - Effect of the fractional composition on the rate of the extraction of aromatic hydrocarbons. p. 29.
Klimov, K.I., Mikheev, V.A. - Five-ball friction machine for testing lubricants. p. 31.
Zakharochkin, L.L. - Corrosion of metals in the hydrogenation process of the desulfuration of petroleum products. p. 34.
Shpunt, M.I. - Selecting parameters for the monitoring and controlling the quality of petroleum products. p. 36.
New plant for the production of butyl alcohols in the Houston branch of the Shell Chemical Company. p. 41.
Prospects for the development of the production of shale tar. p. 42.

No. 4, 1964.

Table of contents translated:
Naimushin, P.A. - Operations at the Novoufimka Petroleum Refinery. p. 3.
Zmievskii, P.K., Dal', V.I. - Coking gas oils as a crude for catalytic cracking. p. 6.
Kazantsev, N.E., Isaev, M.G., Cherevalko, V.P. - Plant test of a hydroxyethylated fatty acid demulsifier for desalting oil. p. 10.
Belogradskii, A.P., Shevisov, A.M. - Gathering and using a solvent enriched by acetone in a dewaxing unit. p. 13.
Akimov, V.S., Sobolev, B.A., Sushko, L.G. - Redistribution of the feed of a solvent and recirculation filtrate in the dewaxing of raffinate. p. 14.
Kolbin, M.A., Mamaeva, K.N., Khabirov, F.R. - Determining C_2-C_5 hydrocarbons in gasolines by gas-liquid chromatography. p. 18.
Rozhkov, I.V., Rybakov, K.V. - Filtration of a paraoxydiphenylamine solution in aromatic solvents. p. 21.
Sredin, V.V. - Economics of the production of aromatic hydrocarbons from eastern oils. p. 25.
Kulakov, V.N., and others. - Technology of the production of naphthalene from the refining products of eastern oils. p. 30.
Orechkin, D.B., and others. - Sulfonation of a hydrofined oil fraction in order to remove aromatic compounds. p. 34.
Vol'fson, I.S., Aramian, E.S., Dubov, A.V. - Obtaining sulfolene. p. 35.
Zakharochkin, L.D. - Corrosion of metals in processes of the hydrodesulfuration of petroleum products. p. 38.
Developing an automatic device for the determination of the pour point temperature of oils. p. 41.
Expansion of the petroleum refining industry in the capitalist countries. p. 45.
New petroleum refinery in Denmark. p. 46.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 10, 1963.

Table of contents translated:
Kireev, Sh.E., Mamleev, R.Sh. - Extracting petroleum from the water-oil section of level D of the Pavlovskaya area of the Romashkino oil field. p. 3.
Poluian, I.G., and others. - Results of the experimental exploitation and testing of limestone of the Tournai stage in the Bavly field. p. 8.
Pliushch, A.M. - Flow distribution and head losses in casing-string filters. p. 14.
Voroshilov, E.A., Krainova, N.I. - Possibility of the simultaneous exploitation of certain reservoirs in the Sabunchi series of the Surakhany field. p. 17.
Zlobin, A.M. - Injection of field waste waters into wells of the Oil Field Administration of the Chapayevsk Petroleum Trust. p. 19.
Abramian, T.Kh. - Efficient method for investigating injection wells. p. 23.
Blazhovich, V.A., Umrikhina, E.N., Makhmutov, N.P. - Use of FR-12 synthetic resin for exclusion operations in oil wells. p. 24.
Okshtein, L.S. - Acid-base hydraulic fracturing in deep wells without using a packer. p. 28.
Solomatin, G.G. - Experience in the use of arkose and desert sands for sand-jet perforation. p. 29.

Gadiev, S.M., Zharkovskii, G.M., Zolin, M.I. - SKS-130 explosive shell for drilling second shafts. p.31.
Viazenkin, G.N. - Method for calculating the efficiency of flowmeters with instantaneous cutting off of equal fluid volumes in a measuring chamber and the subsequent displacement of this fluid into a manifold. p.35.
Gadiev, G.G., Rakhimov, A.K. - Experience in the introduction of the IPG-140 hydraulic formation tester of the Groznyy Petroleum Scientific Research Institute. p.39.
Crawford, P.B. - Practicability of injecting hot water into a well. p.41.
Davison, K. - First year in the exploitation of the Swanson River field. p.42.
Equipment for injecting steam into reservoirs. p.43.
Jenkins, R.E., Koepf, E.H. - Use of tracers to determine the nature of the forward motion of a working agent in a reservoir. p.44.

No.3, 1964.
Table of contents translated:
Mirchink, M.F. - Developing oil pools in the carbonate reservoir rocks of the Lower Carboniferous period in the fields of Orenburg Province. p.3.
Balkov, G.M. - Quality requirements imposed upon the waters injected in the Shkapovo field. p.6.
Mirsalaev, S.A. - Recent developments in the overhauling of wells. p.10.
Melik-Aslanov, L.S., Abbasov, Ch.I. - Deformation in oil strings. p.12.
Agalarov, D.M. - Recent developments in controlling salt sedimentation in oil wells. p.15.
Malaev, G.A., and others. - Simplified method for selecting additional load for lowering deep well instruments into flowing wells. p.17.
Sharipov, A.Kh., [illegible], V.G. - Operating sinking centrifugal electric pumps in the Petroleum Production Administration of the October Petroleum Trust. p.19.
Kartseva, A.V., Chirkov, I.I. - Economic efficiency in the use of various methods for stimulating the recovery of oil in the Arlan field. p.22.
Shein, V.A., Boldyrev, I.S. - Determining the consolidated capital investment indices in oil fields. p.25.
Karimzade, V.D. - Daily internal business accounting in the enterprises of the Petroleum Production Administration of the Dolina Petroleum Trust. p.28.
Parker, K.F. - Using electric sinking pumps in Petroleum production. p.31.
Holm, L.W. - Using carbon dioxide in drive. p.32.
Hemske, M.A. - Liquid level regulators. p.35.
Holder, L.F., Meghee, Ed. - Using air and foam for removing sand from wells and in subsequent air drilling. p.36.

NEFTIANOE KHOZIAISTVO [PETROLEUM INDUSTRY]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.41, no.12, Dec., 1963.
Table of contents translated:
[illegible], V.V., [illegible], L.A. - Increasing the efficiency of bits used in turbine drilling, a topic for discussion. p.1.
Vasil'ev, IU.S., Drozdov, A.S., Strukov, S.B. - Permissible change in the azimuth and angle of gradient in the drilling of slant holes. p.6.
Karpenko, L.A. - Investigation of the temperature conditions in drilled wells with circulating fluid. p.12.
[illegible], V.A. - Effect of drilling the mud on the reservoir bottom zone. p.17.
[illegible], N.I. - Possibilities for the simultaneous development of the oil pools of the Tournaisian stage and carbon-bearing horizon. p.27.
[illegible], IU.A., Kral', V.S. - Acid and thermal-acid treatment of heavily drained wells by the gusher method. p.31.
[illegible], S.S., and others. - Exploiting wells with a filter covered by coarse sand. p.35.
Karelin, IA.A., [illegible], A.G. - Quality of the waters injected into producing reservoirs. p.40.
Kocharov, E.V. - Simplified formula for calculating gathering networks. p.45.
Shakhov, V.N., Popov, S.F. - Instruments for measuring static electric charges. p.49.
Chernikov, D.A. - Optimal speeds in consecutive pipelining of petroleum and petroleum products. p.54.
Nazarenko, M.B., and others. - Designing a powerful gasser. p.60.
Sixth World Oil Congress; Geology and Geochemistry Section. p.67.
Sixth World Oil Congress; Petroleum Production Section. p.76.
Akhmed [illegible] Mustafaev, obituary. p.78.

Alphabetical index of articles published in the magazine "Neftianoe khoziaistvo" for 1963. p.79.

Vol.42, no.1, Jan.1964.
Table of contents translated:
Baibakov, N.N. - Prospects for the development of the petroleum and chemical industries in the Soviet Union. p.1.
Skrotskii, S.S. - Evaluating the work of and publicizing progressive drilling and derrick building crews. p.6.
Belgorodskii, B.P. - Basic principles in the design of the working elements of mechanized spiders for drilling and casing pipes. p.12.
Shakhmaev, Z.M. - Eliminating circulation losses in the drilling of fractured rocks. p.17.
Kasimov, I.A., Bulatov, A.I. - Evaluating the flow properties of cement slurries. p.19.
Nazarenov, N.F., Loshkarev, K.I. - Designing the floors of a packer and drilling strings operating with a formation tester. p.23.
Maidebor, V.N., Budnov, IA.Kh., Nakaznaia, L.G. - Coefficients of volumetric elasticity and elastic capacity of pools with fractured reservoir rocks. p.29.
Trebin, F.A., and others - Studying wells by injecting gas into them. p.31.
Sheinman, A.B., Malofeev, G.E., Sergeev, A.I. - Investigating heating of the well-bottom zone in the process of fluid inflow. p.37.
Sheremet'ev, V.A., Baranik, V.P. - Developing and testing a film corrosion inhibitor. p.42.
Galleev, S.G. - Determining the evaporation losses from the composition of the overhead oil. p.47.
Mamaev, V.A. - Certain hydrodynamic problems in the simultaneous transportation of gas and liquid. p.50.
[illegible], S.A. - Increasing the economic efficiency of the operation of centrifugal pumps in the transportation of highly viscous oils and mazuts through petroleum pipelines. p.57.
Karasev, A.N. - Aerodynamic stand for testing turbodrill turbines. p.64.
[illegible], A.A. - Investigating the absorptive power of edge-water injection wells in the oil fields of the Tatar A.S.S.R. p.69.
Brief news. p.77.

Vol.42, no.5, May 1964.
Table of contents translated:
Keller, A.A., Malakin, L.A. - Chemistry in the transportation and storage of petroleum and petroleum products. p.1.
Kuliev, S.M., and others. - Experimental investigation of the performance characteristics of standard and tapering three-winged bits. p.7.
[illegible], G.V. - Efficient methods and speeds for hoisting and lowering strings by completely mechanized pipe handling and drilling assemblies; a topic for discussion. p.11.
Ivanov, Y.F., Valeev, M.Kh. - Organizing operations for the rapid construction and installation of drilling rigs in the Tatar Oil Well Drilling Trust. p.17.
Ivanov, E.G., Korobkin, V.N., Tikhonov, N.I. - More about multipurpose drilling crews. p.24.
Kapustin, L.D. - Determining the efficiency of setting accelerators for cement slurry. p.29.
Ali-Zade, A.A., and others. - Certain results of thermodynamic investigations of the formation of oil and gas pools. p.30.
Returning reservoir waters to producing wells. p.35.
Balakirov, B.Y., and others. - Permissible degree of flooding before a number of wells are shut off. p.39.
Aliverdizade, A.A., Rustamov, Sh.A., Tairov, N.D. - Investigating the effect of superheated vapor on the oil yield. p.44.
Lapuk, B.B., Zakirov, S.N. - Taking into consideration the reservoir nonuniformity in problems of oil, gas, and water flow. p.49.
Mamedkhanov, A.G., Kasimov, N.I. - Volumes of information in the existing forms of accounting in petroleum production enterprises. p.54.
Gusakov, G.F., Aleksandrov, D.O. - Concerning the article by V.IU.Kim "Method for calculating the cumulative production at a known bottom pressure." p.58.
Danels, K.G., Chernikin, V.I. - Flow discontinuity in the consecutive pumping of various petroleums or petroleum products along one pipeline. p.60.
Tugunov, P.I. - Determining the safety time for the shutdown of a pipeline without expelling a high-solidification petroleum product. p.65.
[illegible], J. - Certain problems involved in the creation of an intrareservoir combustion source. p.68.

OTSENKA MESTOROZHDENII PRI POISKAKH I RAZVEDKAKH [EVALUATION OF DEPOSITS IN PROSPECTING AND EXPLORATION]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia [Scientific Research Institute of Mineral Resourc
Moscow, no.20, 1963.
Contents: Glazkovskii, A.A. [Nickel] Nikel'.

*REFERATIVNYI ZHURNAL; METALLURGIIA [JOUR OF ABSTRACTS; METALLURGY]. Issued by Inst nauchnoi informatsii Akademii nauk SSSR [Institu Scientific Information of the Academy of Scienc the U.S.S.R.]. Moscow, no.5, May 1964. Avtor ukazatel' za 1963 g. [Author index for 1963]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vy uchebnykh zavedenii; chernaia metallurgiia [Minis of Higher and Secondary Specialized Education. I tin of the Institutions of Higher Learning; Ferrous Metallurgy]. Moscow, vol.7, no.4, 1964.
Table of contents translated:
Popel', S.I., Pavlov, V.V. - Rate limiting react in a converter bath. p.5.
Ashin, A.K., Rostovtsev, S.T. - Kinetics and the mechanism of the reduction of manganese oxid by carbon. Report No.1. p.11.
Lapshev, D.M. - Energy of the pure component in t theory of regular atomic solutions. p.20.
Fedorenko, G.I. - Investigating volumetric irregular ty in the distribution of materials in the small bell receiving funnel in various capacity blast furnaces. p.26.
Polovchenko, I.G., and others. - Desulfurization o cast iron by magnesium in the ladle. p.31.
[illegible], F.A. - Methods of testing iron ore products on their ability to undergo sintering. p.37.
Babov, M.S. - Standardizing conditions of sinteri in laboratory equipment. p.39.
Povolotskii, D.IA., and others. - Content of ferro oxide in slag before deoxidation and the quality alloyed, low-carbon, open-hearth steel. p.41.
[illegible], IU.F. - Experiments in improving the technology of smelting and casting steel for pip blanks. p.48.
Kirsanov, V.M., and others. - Various methods of heating ingot heads and their effect on the qualit of killed steel. p.59.
Zhuchkov, V.I., and others. - Electric resistance of ore and lime mixtures used in the manufactu of metallic chromium. p.62.
[illegible], S.G. - Experience in blowing compresse air into the bath of electric arc furnaces. p.68.
Polukhin, P.I., Grigorian, G.G., Zheleznov, IU. Investigating the strength of roughing rolls with axial groove. p.71.
Chekmarev, A.P., Saf'ian, M.M., [illegible], V. Shear drag in rolling strips with irregular cros tions. p.77.
Vydrin, V.N., [illegible], M.IA., Il'in, V.Kh. - Elastic longitudinal vibrations of strip in roll in continuous mills. p.81.
Smirnov, V.V., Gun, G.IA., Ivanov, P.S. - State of the cross sectional shape of a pipe during re duction. p.88.
Polosatkin, M.I., Tarnovskii, I.IA., Levanov, A.N. - New methods of measuring contact stres during rolling. p.93.
Tarnovskii, I.IA., Levanov, A.N., Polosatkin, M.I. - Determining contact stresses during metalworking by pressure in connection with the mechanical properties of metals. p.97.
Zaikov, M.A., Fedorov, N.A. - Investigating forc and moments during the rolling of flanged shape p.103.
Zaikov, M.A., Al'kov, V.G. - A of the sec during rolling in box grooves. p.108.
[illegible], S.I. - Selecting criteria characterizing shape of the deformation center during rolling in plate grooves. p.113.
Gel'd, P.V., and others. - Effect of plastic deform tion and subsequent annealing on the rate of hydr gen penetration into austenite. p.119.
[illegible], IU.V., Sofrashchenko, A.F., Koval', L.A. Wear resistance of combined coatings under the effect of hydro-abrasive friction. p.124.
Kriuchkova, L.N., Druzhinin, V.V. - Susceptibilit to flake formation in ledeburite-class steels. p.129.
Baranov, A.A., Glebova, E.D. - Growth of cast iron with spheroidal graphite. p.133.
Chernyash, G.I. - Gas formation in jet burner combustion chambers. p.141.
Chernyash, G.I., and others. - Intensifying the rate of open-hearth smelting with the help of a new fuel burning device. p.149.
Kocho, V.S., Gradovskii, V.I., Lisitsa, V.K. - Possibility of extremal combustion control in open-hearth furnaces. p.151.
Baranovskii, P.G. - Invariance principle and transi tion characteristics of controlled furnaces. p.15
Nevskii, A.S. - Selection of an initial impulse for t continuous automatic control of thermal process on open-hearth furnaces; concerning A.I. Chernogolov's article. p.160.

Le[illegible], M.[illegible], [illegible], V.IA. - Determining the [illegible] on the piston of a clay gun. p.164.
Pal'[illegible], F.V., Ural'skii, V.I. - Selecting the optimal parameters of chain pipe drawing mills. p.172
[illegible]chenko, F.K., Dukin, V.M. - Investigating loads in the main line of a universal mill. p.177.
Greben[illegible], V.M., and others. - Investigating regularities of the gas flow and the wear of coupled parts in blast furnace charging arrangements. p.182.
[illegible], A.P. - Consolidated planning of the working capital in metallurgical plants. p.186.
Khodalin[illegible], A.N., Ivanova, L.G. - Effect of silicon and sulfur content in converter iron on the economics of blast furnace practice. p.191.

Vol. 7, no. 5, 1964.
Table of contents translated:
Potentialities in metallurgy for the chemicalization of the national economy. p.5.
Shavrin, S.V., Zakharov, I.N. - Kinetics of the reduction of molten iron oxides by carbon. p.7.
Pronin, L.A., Kazakov, N.B., Filippov, S.I. - Ultrasonic measurement of molten cast iron. p.12.
Eliutin, V.P., Pavlov, IU.A., Manukhin, A.V. - Effect of the addition of oxides on the semiconducting and chemical properties of vanadium pentoxide. p.17.
Khlynov, V.V., and others. - Character of the movement of steel drops in slag. p.22.
Deriabin, A.A., Popel', S.I. - Adhesion of ShKh15 steel to slags containing sodium oxide. p.26.
Vegman, E.F. - Method of calculating a sintering charge. p.28.
Antipin, V.G., Bigeev, A.M. - Regularities of the passage of oxygen from the gaseous phase into the open-hearth bath. p.33.
Vvedenskii, V.S., and others. - Improved methods for the final deoxidation of 10Kh16N25M6 and 40KhNMA steels. p.40.
Starkov, P.A., Abrosimov, E.V. - Statistical analysis of decarburization and metal heating processes in basic open-hearth furnaces. p.46.
Fatkullin, O.Kh., Oiks, G.N., Ansheles, I.I. - Testing on a test stand the method of circulating vacuuming of liquid steel. p.53.
Zakora, P.F., and others. - Changes in the homogeneity of basic slag during the scrap process and its effect on the desulfuration of the metal. p.58
Ostapenko, L.V. - Methods of opening up the tapping hole in open-hearth furnaces. p.63.
Gun, G.IA., Polukhin, P.I. - Theory of smoothly changing plastic flows. p.69.
Kotsar', S.L., Tarnovskii, I.IA. - Stressed and deformed state and the equation of the movement of a strip being gripped by the rolls. p.76.
Gromov, N.P., Kal'menev, A.A. - Effect of tension on the position of the neutral cross-section during rolling. p.81.
Markovskii, V.IU., Polukhin, P.I., Shaskol'skaia, M.P. - Investigating elastic-plastic clean bends by the optical polarization method. p.85.
Zaleskii, V.I., TSibanova, M.S., Kozlov, IU.I. - Determining plasticity during the forging of ingots and blanks. p.90.
Vydrin, V.N., Barkov, L.A. - Capacity during rolling in square and diamond-shaped grooves. p.94.
Kirillov, B.S. - Investigating rolling mills with the purpose of increasing their output. p.97.
Shevakin, IU.F., Cherniavskii, A.A., Lamin, A.B. - Engineering method of calculating changes in wall thickness during tube drawing without mandrels. p.104.
Tulenkov, F.K. - Effect of wire straightening during the drawing process on its mechanical properties. p.110.
Eliutin, V.P., Maurakh, M.A., Pugin, V.S. - Surface tension of a titanium alloy with tin, aluminum, and iron. p.117.
Baranov, A.A., Lev, I.E. - Effect of deformation on the carbide transformation. p.122.
Kidin, I.N., Shtremel', M.A., Chizhikov, V.IU. - Hardening of a solid solution of nickel-chromium during quenching. p.124.
Shapovalov, S.I., Smoliamitskii, IA.A., Brainin, I.E. - Effect of preliminary heat treatment on the graphitization process of white cast iron. p.130.
Anitov, I.S., Kukalenko, B.D. - Effect of heat treatment on the corrosion resistance of the VTZ-1 titanium alloy. p.135.
Mirzoian, G.S. - Shrinkage porosity during the centrifugal casting of steel ingots. p.140.
Isakhanian, N.T., Tokarev, A.I., Goncharov, P.A. - Effect of the composition of molding sand mixtures on the probability of the formation of shrinkage cavities. p.147.
Kadyshevich, A.E. - Improving the control over the mixing of fuel and oxidizer in the flame. p.154.
Gol'denberg, I.B. - Investigating the convective component of heat exchange in open-hearth furnace hearths. p.157.
Surinov, IU.A. - Theoretical principles of the zonal calculation of radiant heat exchange in industrial furnaces. p.164.
Kravtsov, A.F., and others. - Pulse regulation of temperature in soaking pits. p.170.
Ivanchenko, F.K. - Natural oscillations in metal-working machinery drives. p.177.
Tylkin, M.A., Zaspitskii, N.A., Mel'nichenko, G.P. - Investigating temperature conditions of the service of charging bars. p.184.
Tatarnikov, V.V. - Effect of metal temperature and other facotrs on the durability of saw blades. p.190.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]. Moscow, vol. 6, no. 12, 1963.

Table of contents translated:
Lokshin, B.S. - Determining the distance between crosscuts along the level (the height of the level) during the opening of a coal seam series. p.3.
Pleskov, P.M. - Selecting the length of a stope during blast mining of coal "without workers" in mines of the Prokop'evsk-Kiselevsk Region. p.8.
Levykin, E.D., Murashov, A.F. - Construction of a tower-type reinforced concrete head frame and simultaneous use of the shaft for conducting mining operations. p.14.
Duganov, G.V., Chernikov, G.F., Khukharev, V.N. - Study of the oxidizing ability of coals under laboratory conditions and in the mine. p.21.
Laigna, G.IU. - Study of the ventilation of blind room workings by means of hydraulic models. p.26.
Lu Go - zhun [Lu K'uo - jung] - Ventilation of through workings after blasting operations. p.31.
Abramov, F.A. - Determining the coefficient of local resistance in the bend of a duct. p.39.
Gerasimenko, G.I. - Comparative evaluation of mine surveying instruments used for underground chambers and cavities. p.48.
Ivlev, A.N. - Adjusting directional angles at points of underground trilateration networks. p.54.
Akulov, V.I. - Errors of adjoining to a line of mine plumb bobs by an elongated connecting triangle. p.59.
Lisitsa, I.G. - Multiple bob plumbing during mine orientation. p.68.
Ivashko, V.A. - Indices of the utilization of capital assets of the coal industry. p.76.
Boguslavskii, E.I., Eliseev, B.G. - Technical and economic evaluation of systems of working steeply pitching seams. p.83.
Brichkin, A.F., Pogreb, V.I., Genbach, A.N. - Optimal angle of incidence of a gas jet with the stope surface during jet piercing. p.88.
Senuk, V., Kostiuk, G.I. - Effect of certain factors on the quality of the shattering of rocks crushed in a "press." p.93.
Kucheriavyi, F.I. - Stressed state of the massif and character of its fracturing under the effect of two elongated charges. p.99.
Pravitskii, V.N., Korsun', M.IA. - Measuring device for testing buckets of rotary excavators and study of the process of cutting hard rock. p.104.
Kazak, IU.N., Liuboshchinskii, D.M. - Calculation of the variable resistance of coal seams to rupture in the design of actuating mechanisms of mining machinery. p.107.
Ibraev, Sh.I. - Efficiency of rock drilling. p.115.
Golutvin, V.A. - Efficient geometric parameters of roller bearings on belt conveyers. p.120.
Krakhmalev, A.A. - Study of the processes of anthracite coal breakage during its haulage in mines. p.124.
Titov, B.M., and others. - Some characteristic defects of compressor plants in Kuznetsk Basin mines. p.132.
Krasil'nikov, K.V. - Characteristics of the movement of flexible guides with pinched ends. p.141.
Khonin, IU.A. - Study of the braking action of load hauling mine winches with a safety brake. p.146.
Borodin, I.I. - Seasonal changes in the specific resistance of rocks in underground mine workings in permafrost ground. p.155.
Vesnin, IU.G. - Two-stage protection of cutter-loader induction motors. p.160.
Potylitsyn, I.V., Butenko, I.P. - Protection of electric motors in mines against irregular working conditions. p.164.
Belykh, B.P., Medvedev, M.V. - Study of the safe operation of electric equipment in mines of the Karabash Mining and Ore Dressing Combine. p.170.
Ivanov, A.A., Nosov, G.R., Sakalo, L.G. - Study of the properties of coal and rock in order to develop the means of automation. p.177.
Tyryshkin, M.A. - Transmitter of the speed of air flow with a sensitive element, deflector and transformer angle converter. p.181.
Ivanchenko, E.IA., Sviridov, V.V. - Calculation of the parameters of high-frequency mine shields. p.190.
Klubin, V.P., Mariuta, A.N. - Possibility of raising the frequency of natural oscillations of an amplidyne for use as a low-frequency current generator in the automation of mine hoisting machinery with an asynchronous drive. p.197.
Pluzhnik, V.I. - Intensification of the washing of Kerch peninsula ores by the ultrasonic method. p.202.
Darbin, M.B. - Effect of the duration of the mixing of surface active substances (turpentine) with quartz on speed of filtration. p.205.

Vol. 7, no. 1, 1964.
Table of contents translated:
Kovalev, V.F. - Thermal waters of the Urals. p.3.
Duganov, G.V., Baratov, E.I. - Geothermy of the Krivoy Rog Basin. p.7.
Malakhov, G.M., Ivanov, IU.A. - Ways of improving the technological process of the underground mining of ores. p.13.
Zurkov, P.E., Busyrev, V.M. - Study of the efficiency of grizzly and scraper haulage of ores. p.19.
Baranov, S.G. - Determination of efficient parameters for the system of mining flat seams with the use of powered supports. p.25.
Bober, E.A., Shalurov, V.A. - Study of roof displacement during the mining of contiguous flat seams. p.31.
Khokhrinkov, V.S., Tkachev, A.F. - Using a computer for the analytical study of strip mining operations. p.36.
Aksenov, V.P., Belinkov, IU.I., Kononenko, A.A. - Technological bases of programming the operations of a rotary excavator. p.45.
Amarian, L.S. - Compression and filtration consolidation and the dynamics of the stressed state of a peat massif. p.53.
Vakhrameev, I.I., Pisarova, L.B. - Establishing the radii of earthquakeproof zones for a complex of buildings of an ore dressing plant. p.60.
IArmolovich, I.P. - Analysis of mine surveying errors in traversing with the help of matrices. p.68.
Alekseevskii, I.G. - Economic estimates of investments taking into account the length of time necessary for the development stage. p.70.
Kulish, S.A. - Correlative analysis of the capital assets of coal mines. p.80.
Ermolin, IU.N. - Economic basis for selective ore breaking during the working of complex ore deposits of complicated structure by strip mining. p.84.
Moskalev, A.N. - Basis of indices and the comparative scale of resistivity of some rocks to piercing with jet torches. p.91.
Vetrov, IU.A., Rudchenko, P.A. - Analysis of the kinematic conditions of the operating process of a rotary excavator with a fixed boom. p.96.
Gurin, M.A. - Characteristics of the fracture of frozen ground with a percussive cutting tool. p.104.
Kolomoets, A.V. - Calculation of power operated cutting vibrators. p.112.
Bokhan, N.I., Opeiko, F.A. - Determination of the power needed for peat milling by means of disk cutters. p.117.
Riabkov, A.I. - Experimental determination of the efficient distance between crosslinks in the KLTS-3 chain-belt conveyor. p.120.
Vasil'ev, M.V., Doroenko, E.P. - Methods of selecting an efficient grade for automobile roads in the use of truck transportation in strip mines. p.125.
Alekseev, N.I. - Methods of determining the efficiency of induction machine-rectifier and rectifier cascades. p.132.
Glushko, V.V. - New trend in creating a protective system against short-circuiting to ground. p.140.
Nosyrev, B.A., Zub, M.P. - Losses in air ducts and means of improving the ducting. p.140.
Titov, B.M. - Redesigning the automatic system of controlling the performance of the 2BG and 55V compressors. p.150.
Ivanov, E.A., Revazashvili, B.I. - Using statistical dynamics methods for calculating dynamic characteristics of the flotation process. p.154.
Kazak, S.A., Kirpichnikov, V.M., Levishko, O.A. - Using mathematical models for the analysis of knocking in mechanisms of excavators and cranes taking into account elasticity and free play. p.162.
Kuznetsov, I.M., Gafiiatullin, R.Kh. - Optimal control of the regime of rotary percussion drilling of blast holes. p.174.
Brichkin, A.V., Shamin, P.A. - Apparatus for studying the jet flame of jet piercing equipment. p.179.
Plaksin, I.N., Gol'din, M.S. - Theory of the radioisotope method of controlling the total content of iron in the pulp. p.189.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]. Moscow, vol. 5, no. 9, 1962.

Table of contents translated:

Bagir-zade, F.M. - Formation of oil and gas pools in the Neftyanye Kamni oil field. p. 3.
Sukharev, G.M., Vlasenko, V.I. - Certain new data on the underground waters of the Jurassic and Aptian sediments in western Ciscaucasia. p. 11.
Kireev, V.F., Makhnovskaya, V.M. - Electric logging characteristics of the [illegible] in the [illegible] field in connection with their oil and gas potential. p. 17.
Moldavskii, D.S. - Comparative hydrochemical characteristics of the [illegible] and [illegible] oil fields. p. 21.
Sultanov, D.Z. - Investigating the forces [illegible] a drilling string when the [illegible] hole. p. 29.
Blokhman, M.I. - [illegible] frictional forces in [illegible] contact of a drilling string with the well walls. p. 33.
Gerasimov, G.P. - Certain problems in the operation of a rolling bit. p. 39.
Piriverdiev, K.V., Kasumov, M.G. - Method for determining the necessary pressure in wells that produce gas, condensate, and oil. p. 45.
[illegible], A.I., [illegible], P.A. - Changing the [illegible] of the exploitation [illegible] of gas wells in the [illegible] periods of their exploitation. p. 51.
[illegible], G.A., [illegible], I.V. - Kinetics of [illegible] during the [illegible] of oil with a [illegible] water solution. p. 57.
[illegible], A.A., [illegible], I.S., [illegible], D.S. - [illegible] gas. [illegible]
[illegible], M.M., [illegible], M.M. - Effect of [illegible] catalysts [illegible]. p. 63.
[illegible], A.A., [illegible], A.A. - Formation of [illegible]. p. 71.
[illegible], B.P., [illegible], V.F. - [illegible] state of a working pipeline during [illegible]. p. 77.
[illegible], B.D., [illegible], R.IU. - Certain problems in the flow of viscoplastic fluids. p. 85.
[illegible], V.P., [illegible], A.M. - [illegible] flow to a reservoir with a slightly permeable roof [illegible]. p. 89.
[illegible], M.P. - [illegible]. p. 97.
[illegible], I.A. - [illegible]. p. 99.
[illegible], V.S. - [illegible] for the [illegible] of the [illegible] [illegible] of oils. p. 103.
[illegible], V.F., [illegible], M.A., [illegible], N.A. - Calculating an optimal plan for regional oil production by the simplex method. p. 107.
[illegible], P.F. - [illegible]. p. 111.
[illegible] the level of the [illegible] of petroleum engineers. p. 117.

Vol. 6, no. 12, 1963.

Table of contents translated:

[illegible] - Study of the [illegible] of the Middle [illegible]. p. 3.
[illegible], S.I. - [illegible] of the [illegible] of [illegible]. p. 9.
[illegible] - Special features of the geological development of the [illegible] zone of the Caspian-[illegible] region in the [illegible] period. p. 15.
[illegible], M.F. - Determining the [illegible] of [illegible] in the [illegible] of a period. p. 21.
[illegible] - [illegible] of the use of [illegible] as a drilling [illegible]. p. 25.
[illegible], A.I., [illegible], R.M. - Effect of [illegible] on the water yield of [illegible]. p. 29.
[illegible], [illegible], [illegible] - Determination of the dynamic pressure of [illegible] in the presence of a porous medium. p. 35.
[illegible], R.V. - Graphs for the determination of the [illegible] deep-well pumps [illegible]. p. 39.
[illegible], [illegible], [illegible], L.A. - Optimal operation of flowing wells. p. 45.
[illegible], G.V., [illegible], B.A. - Effect of surface-active agents on the [illegible] rate of [illegible] hydrocarbon [illegible]. p. 49.
[illegible], A.M. - Experience in the preparation and investigation of artificial rock specimens. p. 51.
[illegible], L.B., [illegible], M.I., [illegible], R.V. - Carbamide dewaxing of hydrocracked diesel fuel. p. 57.

Fauzi, Mokhamed., Kartinin, B.N., Chernozhukov, N.I. - Effect of certain depressants on the nature of the crystallization of solid hydrocarbons in the dewaxing of residual raffinates. p. 61.
Mamedli, M.G., Mirzalieva, Kh.A., Ismailov, F.Kh. - High-cetane diesel fuel from the petroleum of Peschanyy Island. p. 65.
[illegible], V.I., Rashchepkin, K.E., IAsin, E.M. - Selection of boundary conditions in lifting an infinite pipeline. p. 69.
[illegible], M.V., IAblonskii, V.S. - Gas mixing in consecutive pumping. p. 75.
[illegible], V.N., [illegible], V.E. - Simplifying calculations of reservoir pressure in the operation of a circular line in an elastic drive. p. 81.
[illegible], B.I., Kuliev, S.M. - Thermal similarity criterion in the motion of viscoplastic fluids. p. 87.
Lapuk, B.B., Abutaliev, E.B. - Method for the approximate analytic solution of a problem of nonstationary gas flow to a line of wells in a reservoir of varying thickness. p. 91.
[illegible], V.I. - Theory of nuclear magnetic logging. p. 97.
Alekseev, I.A., Berkovich, M.IA. - Certain temperature-condition problems of cone bits. p. 103.
[illegible], I.A. - Partial changes in the order of calculating the cost of petroleum products. p. 107.
[illegible], F.M. - "Realization" factor of [illegible] in analyzing the power aspect of rock disintegration in drilling. p. 113.
[illegible], A.D. - Certain results of the investigation of deep-well pump operations. p. 117.
[illegible], V.A., [illegible], V.P. - Investigation of certain corrosion inhibitors as used in petroleum-production equipment. p. 121.
[illegible], I.IU., Vlasova, N.P. - Geothermal conditions of the Middle Miocene sediments of the Northern Caucasus. p. 124.

Vol. 7, no. 4, 1964.

Table of contents translated:

[illegible], N.V. - Classification of pools on the basis of their time of formation. p. 3.
[illegible], Sh.A. - Characteristics of the change in the [illegible] of the waters [illegible] in the [illegible] oil field. p. 7.
[illegible], S.M., [illegible], Ch.M., [illegible], S.S. - Stratigraphy of the Jurassic sediments of the [illegible] oil- and gas-bearing region. p. 10.
[illegible], V.I. - [illegible] period of certain gas pools. p. 14.
[illegible], G.M. - Using the thermal waters of the oil and gas fields of the Caucasus. p. 17.
[illegible], D.V. - Reservoir waters of the Neftyanye Kamni and Peschanyy Shoal oil fields and their [illegible]. p. 19.
[illegible], N.V. - [illegible] V.V. [illegible]'s book "[illegible] in Russia in the first half of the nineteenth century." p. 22.
[illegible], [illegible], [illegible], V.V., [illegible], E.M. - Effect of the parameters of drilling practices on the rotation speed of a bit roller. p. 23.
[illegible], P.A. - Determining the optimal drilling angle [illegible]. p. 29.
[illegible], [illegible], [illegible], E.M. - Mobility of [illegible]. p. 33.
[illegible], V.I., [illegible], V.IA. - Gas overflow through a slightly permeable interlayer. p. 41.
[illegible], I.R. - Experimental investigation of the oil yield and phase permeabilities in water drive in a porous medium. p. 47.
[illegible], G.G., [illegible], R.M., [illegible], K.G. - Operating conditions in the [illegible] oil field. p. 51.
[illegible], T.A., [illegible], D.V. - Effect of a concentration of n-paraffins in a hydrocarbon mixture on complexing with urea in a water solution. p. 55.
[illegible], P.K. - Purification equipment in the Volgograd Petroleum Refinery. p. 59.
[illegible], Kh.A., Mamedli, M.G. - High-cetane diesel fuels from [illegible] crude oil. p. 61.
[illegible], A.A., [illegible], K.N. - Place for the intermediate cooling of an absorbent. p. 63.
[illegible], V.A. - Thermodynamic properties of natural gases and their basic components. p. 67.
[illegible], V.N., [illegible], S.V., [illegible], N.A. - Experimental investigation of the heat conductivity of four petroleum products samples. p. 71.
[illegible], S.D., [illegible], V.A. - Precise solution of a problem on the output of a well in a nonuniform bed. p. 75.
[illegible], S.A., [illegible], L.N. - Centralizing oil losses in the waste waters of petroleum refineries. p. 78.
[illegible], P.P., [illegible], L.L. - Overhead "bar" pipe laying shaped like a flexible curved coil. p. 79.
[illegible], N.G., [illegible], M.A., [illegible], L.V. - Stabilizing the zero line in a chromathermograph. p. 83.

Mel'nikov, A.G., Shakhmardanov, Sh.M., Cla V.T. - Investigating a laterologging apparatu with a seven-electrode sonde. p. 89.
Gadzhiev, M.S. - Statistical study of the lifetim drilling equipment. p. 95.
[illegible], M.S., and others. - Economic effecti ness of the use of a DU-1 vapor tension contr in a system for stabilizing gasoline. p. 101.
Kadirov, N.B. - Determining the temperature gas at characteristic points of the working cy of compressors on the basis of experimental p. 105.
[illegible], M.S. - At the sources of the Caspian Sea p. 112.
Tagiev, E.I., and others. - Wear of the parts o hydraulic percussive equipment and a unit for testing them for durability. p. 116.

SBORNIK LUCHSHIKH RATSIONALIZATORSKIKH P LOZHENII [COLLECTION OF THE BEST SUGGES TIONS OF INNOVATORS]. Issued by Otdel nauchn tekhnicheskoi informatsii VIMSa [Department of S entific and Technical Information of the All-Union Scientific Research Institute of Mineral Resource Moscow, pt. 2, 1963. Geofizicheskie raboty [Geop cal work].

Table of contents translated:

[illegible], V.S., Kastal'skii, E.M., [illegible], A.V. Efficient methods for gravity surveying on a 1:200,000 scale employing a helicopter and [illegible] barometric leveling under the conditions of th northeast of the U.S.S.R. p. 3.
[illegible], E.D., and others. - New methods for gravity surveying under the conditions of a den forest. p. 4.
[illegible], V.D., Bugrov, IU.Z. - Simplifying the method for calculating the effect of relief in [illegible] gravity surveying under the condition a Mesozoic trough in Transbaikalia. p. 5.
[illegible], P.P. - Use of vertical [illegible] in gravity surveying on a 1:200,000 scale in the Ural Mountain regions. p. 6.

Shchilov, N.A. - Amplifying attachment to the EP potentiometer. p. 9.
Shchilov, N.A. - Key for the simultaneous closing contacts in the EP-1 potentiometer. p. 10.
Shchilov, N.A. - Electric prospecting instrument measuring the ratio ΔF . p. 11.
Frenkel', K.Sh. - Microvoltameter for low-freque inductive electric prospecting techniques. p. 1
Shchilov, N.A., [illegible], V.D. - Processing tellurograms using rectilinear analogies. p. 17
Zav'ialov, V.D. - Means for increasing the effecti ness of seismic prospecting using standard equi ment in the southwestern margin of the Russian Platform. p. 19.
Zav'ialov, V.D. - Method for reading a seismogra record. p. 28.
Zav'ialov, V.D., [illegible], V.I. - Seismic meth controlled beam receptor, plane front, and transverse seismic profiling. p. 29.
[illegible], P.P., Baranov, A.P. - Rectifier for feeding [illegible]-65 and [illegible]-69 automatic gamma sa plers. p. 31.
Grechin, P.IU., Lavrenko, I.V. - Capillary ball pen attached to the PASK-8 potentiometer of the AEKS-900 logging station. p. 32.
Zuev, G.N. - Methods for the combined logging of dry holes drilled with bottom clearance by com pressed air under conditions of permafrost. p.
Grechin, P.IU. - Improved logging coupling. p. 36.
Andreev, V.I., Mel'nikov, I.A. - Magnetic logging vice for measuring the susceptibility of rocks a cores. p. 38.
Avilkin, A.N., Molchanov, O.N. - Magnetic logging instrument for diamond drilled holes. p. 42.
Grechin, P.IU. - Feeding and recording magnetic susceptibility logging unit operating on a 50 cycl frequency. p. 47.
[illegible], IA.O. - Device for determining sour in radioactive well logging. p. 49.
[illegible], IU.A., [illegible], V.I., [illegible], A.L. - Re mote safety device for placing the neutron source in the logging tool of the RTP-NGK-57 apparatu p. 51.
[illegible], V.M. - Miniature semiconductor inclinom eter. p. 53.
Grechin, P.IU. - Simplified connecting attachment the hydroscopic IG-1 inclinometer. p. 55.
[illegible], S.A. - Miniature well conductometer. p. 5
Vorenkevich, A.B. - Rubber packers for the head o the PK-103 perforator. p. 58.
Klimenko, V.A., [illegible], I.P. - Borehole electromagnet. p. 59.
[illegible], V.I., [illegible], V.A. - Device for measuring susceptibility in incoherent rocks. p. 62.
Zuev, G.N. - Bipolar shielded parametric system for studying specific electrical resistivity. p. 65.
[illegible], I.A. - Translator voltage converter for radio transmitters. p. 69.

Khazov, S.G. - Feeding the filaments of the tubes of the (TPFS) recording photoelectric summator using a lighting network source. p. 71.

SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for Construction in the U.S.S.R. and the State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1963.

Table of contents translated:

[illegible], S.Kh., Tiurkian, R.A. - Working 290.5M of a vertical shaft in one month. p. 1.

Vialov, S.S., Obrucheva, V.A. - Calculating stability and creep of frozen ground barriers. p. 6.

[illegible], G.V., Rabinovich, S.M. - Possibilities of using the distribution method of linear programming for solving operations and economic problems in mine construction. p. 10.

[illegible], A.F. - Form removal strength of concrete during the sinking of vertical mine shafts. p. 14.

Blanter, M.S. - Inertia-type locomotive with gyro-fly wheel. p. 16.

Makarov, N.I. - Determination of the most efficient distance between sidings. p. 18.

Zvanskii, G.E. - Effect of the feed force on the speed of drilling with the BU-1 machine. p. 19.

Fridland, A.M., Dulin, V.D., Felonin, A.N. - Operation of powered units for changing mine cars during the construction of mines in Karaganda. p. 21.

Bol'shinskii, M.E., Khozin, A.V., Cherkasov, V.F. - Using PML-5 rock loaders during the mining of inclined workings. p. 25.

Kazakevich, E.V., Sakhnovskii, V.L. - Timbering horizontal workings at the No. 2 "Zapadnaia-Donbasskaia" Mine. p. 26.

Belash, A.S., Linnik, G.F. - Making large cross section workings. p. 27.

Assistance council in the Kuznetsk Basin for the magazine "Shakhtnoe stroitel'stvo." p. 27.

Kokin, V.K. - Concerning the book by K.V. Mironov "Evaluation of coal deposits from the point of view of engineering geology." p. 28.

List of articles published in our magazine for 1963.

•STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others. Moscow, vol. 23, no. 3, Mar. 1964.

Table of contents translated:

Polymer-base protective coatings for rolled products. p. 193.

Shaw, B.S. - The 400th anniversary of the start of book printing in Russia. p. 196.

Lepikhin, L.A. - Evaluating the effect of various methods of charging a blast furnace on the state of the gas flow in its upper part. p. 198.

Galemin, I.M., and others. - Investigating combustion processes in furnace hearths. p. 204.

Dolmatov, V.A., Glovatskii, A.D., Khavkin, V.I. - Selecting the optimum kinetic energy of the blast and avoiding the burning-up of the tuyeres at the Karaganda Metallurgical Plant. p. 207.

Galemin, I.M. - Causes for the wear and disintegration of protective linings on blast furnace tops. p. 210.

Fedorenko, G.I. - Fanning the small fraction in blast furnace hearths. p. 211.

Kurchatov, M.S. - Laboratory equipment to determine the reducibility of metal oxides and ores. p. 212.

Voronov, F.D., and others. - Production of fluxed briquets for converter steel smelting. p. 214.

Samsonov, G.V., Reshetniak, IU.S., Vlasov, K.R. - Using thermocouple sheaths of zirconium diboride for the continuous measurement of the temperature of liquid metal in oxygen-blown converters. p. 216.

Varshavskii, A.P. - Certain characteristics of the fusion of the charge mixture. p. 219.

Bas'ias, I.P., Belozerov, M.M. - Causes of the formation of metal incrustations on magnesite steel pouring nozzles and ways to prevent it. p. 222.

Arutiunov, G.K., Bakaliar, M.S. - New type of immersion thermocouples. p. 225.

Anokhina, A.I., Anokhin, A.M., Epov, G.A. - Making and pouring 25GS and 35GS steels into small ingots. p. 225.

Nikolaev, N.A., Akimova, E.I. - Effect of manganese in steelmaking on the quality of continuously cast slabs. p. 226.

Zborovskii, A.A., Rabinovich, E.I. - Review of M.I. Gol'dshtein's book "Using radioactive isotopes for the study of a steel ingot." p. 227.

Frantsov, V.P., Moshkevich, E.I., Khitrik, A.I. - New developments in research. p. 228.

Konovalov, K.N., and others. - Effect of lubricating ingot molds on the surface quality of 1Kh18N9T steel. p. 229.

Galitskii, IU.P., and others. - Using a thermoelectric silicometer in the making of transformer steel. p. 231.

Shalimov, A.G. - Conference on metal refining in the ladle by liquid synthetic slag. p. 232.

Frantsov, V.P., Moshkevich, E.I., Khitrik, A.I. - New developments in research. p. 233.

Strizhov, G.F., Miasnikov, P.A., Pliner, IU.L. - Efficient operating conditions for aluminum pulverizing equipment. p. 234.

Muzalevskii, O.G., Rivkin, A.A. - Developing technological parameters for the automation of three-high rail and structural steel rolling mills. p. 238.

Kobyzev, V.K., and others. - Heating and rolling EI171 and EI432 stainless steel ingots. p. 245.

Artiukh, V.S. - Adopting and modernizing feed mechanisms with hydraulic brakes. p. 247.

Tavadze, F.N., and others. - Investigating temperature distribution in the mandrel during first piercing. p. 252.

Malishev, S.I., Kudriavtsev, N.P., Karta, V.G. - Mastering the rolling of beam columns on the rail and structural steel 800 mill. p. 253.

Grishkov, A.I., Tret'iakov, A.V. - Review of A.I. TSelikov's book "Theory of the calculation of forces in rolling mills." p. 256.

Kosenko, P.E., Sarandachev, V.I., IAlovoi, N.I. - Protection of water-cooled heating furnace elements by metallized chromium-nickel coatings. p. 257.

Ostrenko, V.IA., and others. - Pipe production from new heat-resistant, ferritic-martensitic steels. p. 258.

Kissina, L.B., Talov, N.P. - Nature of the square mark of high etchability of 1Kh18N9T steel pipe blanks. p. 263.

Ershova, L.P., Kolov, M.I., Terekhova, A.I. - Effect of metal oxidation on the properties of transformer steel. p. 266.

Kal'ner, V.D., Kossovskii, L.D., Bernshtein, M.L. - Thermomechanical properties of spring strips made of 55KhGR steel. p. 269.

Briukhanenko, B.A. - Methods of estimating the output of rolling mills for a planned period. p. 271.

Chernogolov, A.I., and others. - Investigating the burner flame in an open-hearth furnace by an improved method of full radiation. p. 276.

Baranov, IU.I., Kostousov, N.L. - Automatic dewatering of mazut. p. 279.

Tulenkov, K.I., Gaiduchenko, B.I. - Effect of residual stresses in wire on the efficiency of wire rope. p. 280.

Gants, S.N., Luk'ianitsa, A.I., Serebrianyi, IA.A. - Intensifying the process of neutralizing pickling solutions and acid washing waters. p. 282.

IAnchuk, I.K. - Upper structure of tracks made of precast reinforced concrete panels without ties or ballast, for special heavy trains from metallurgical plants. p. 284.

Khlavich, P.S. - Crane conditioner. p. 287.

TORFIANAIA PROMYSHLENNOST' [PEAT INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 41, no. 3, 1964.

Table of contents translated:

Matveev, A.M. - Results of the work of the peat industry under the Economic Councils of the R.S.F.S.R. during 1963 and its tasks in 1964. p. 1.

Academician D.N. Prianishnikov talks about peat fertilizers. p. 5.

Matveev, A.M., Bragin, N.A., Korshunova, N.S. - Results of the work of the pneumatic BPf machinery in the peat enterprises under the Economic Councils of the R.S.F.S.R. p. 8.

Rogov, V.P., Kuliako, M.P. - Performance of the pneumatic peat milling machinery in the enterprises under the Moscow Economic Council. p. 12.

Averbukh, A.E. - Efficiency of the use of car interchange points in peat transportation. p. 17.

Zagrebaev, G.I. - Application of the integrated brigade system in the organization of the work in the peat enterprises of the Moscow Region. p. 21.

Ivashechkin, N.V. - Increase the production of peat briquets. p. 25.

Rozhnov, A.I. - Briquetting of self-heating peat. p. 30.

Professor Ivan Ivanovich Vikhliaev. p. 32.

Exchange of experiences by the enterprises of economic councils. p. 33.

News review. p. 36.

TRANSPORT I KHRANENIE NEFTI [TRANSPORTATION AND STORAGE OF PETROLEUM]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 11, 1963.

Table of contents translated:

Donets, K.G., Chernikin, V.I. - Automatic evacuation of viscous oils and petroleum products from pipelines. p. 3.

Rashchepkin, K.E., and others. - Investigating the operation of the vertical screw pumps of the UIM-14 machine for applying protective coatings. p. 6.

Kharlamenko, V.I., Sadaev, N.G., Rudnev, V.P. - Using an ejector in pumping stations for pumping out leakage. p. 11.

IAsin, E.M., Chernikin, V.I. - Calculating cylindrical tanks for stability. p. 14.

Glukhov, L.N. - Unit for ensuring tank stability. p. 17.

Tomchinskii, S.A. - Assembling and using tanks with floating metal roofs. p. 23.

Gromov, A.V. - Hinge-joint metal pipes for heating mazut. p. 24.

Vorob'ev, M.A. - Lubrication service in service stations. p. 25.

Kanaev, V.N. - Motors for oil distributors. p. 27.

Maslov, L.S., and others. - Using compounds on a base of epoxy resins in the manufacture of oil petroleum containers. p. 32.

Martynov, A.P., Datekina, Z.I. - Establishing norms for the consumption of materials when overhauling pipelines. p. 36.

Zaitsev, V.G., Bologlazkin, IU.V. - Mechanizing accounting work. p. 40.

Kravtsov, G.V. - Accelerating the discharge of petroleum products from a barge. p. 41.

TRANSPORT I KHRANENIE NEFTI I NEFTEPRODUKTOV [TRANSPORTATION AND STORAGE OF PETROLEUM AND PETROLEUM PRODUCTS]. Issued by Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 1, 1964.

Table of contents translated:

Balbakov, N.K. - Chemistry and the petroleum industry. p. 3.

Keller, A.A. - Our objectives. p. 7.

Frolov, K.D., Golubov, B.N. - Number of cycles in consecutive pumping. p. 11.

Tolstaia, M.A., Ioffe, E.I., Potominskaia, I.V. - Effect of the salt content, ion composition, the value of pH, and the degree of ground aeration on the corrosion of underground steel pipelines under the influence of a.c. p. 16.

Skliazhenko, E.A. - Operation of electric heaters. p. 24.

Mikheev, IU.M., Lykov, L.M. - Possibility of using polyamides in the oil industry. p. 28.

Isupov, IU.G., Sviridov, V.P. - Device for discharging petroleum products from the lower part of tank cars. p. 33.

Khrapov, I.O. - Standardization of lubricants. p. 35.

Martynov, A.P. - Establishing norms for pipeline overhauling operations by the method of moment observations. p. 37.

Inner and outer pipe insulations. p. 42.

Laminated protective coating for petroleum pipelines. p. 43.

Note to authors. p. 44.

No. 2, 1964.

Table of contents translated:

Borisov, N.N. - Present status of and prospects for the technical development of the pipeline transportation of petroleum and petroleum products. p. 3.

Edigarov, S.G., and others. - Methods and equipment for the experimental determination of temperature and velocity fields in "hot" pipelines. p. 7.

Gross, S.A. - Reducing the specific energy consumption in the operation of petroleum pipelines. p. 16.

Lykov, M.V., Mikheev, IU.M. - Effect of petroleum products and water on the physicomechanical properties of polyethylenes. p. 19.

Zlobin, A.IA. - Removing paraffin residues from tanks. p. 24.

Malkis, I.S., Bespalov, N.V. - Chief operator's switchboard using transistor elements. p. 28.

Dzhabrailov, A.I. - Installing and using UDU level indicators and PSR-4 samplers. p. 31.
Vorob'ev, M.A. - Organizing repair operations for fuel distributing columns. p. 33.
Markova, A.N., Smirnov, M.F. - Proportional development of various types of petroleum-products transportation. p. 37.
Kazakov, L.I. - Use all reserves for increasing the productivity and economic efficiency of enterprises. p. 41.
Vargin, A.A. - Results of tests of instruments for monitoring the consecutive pumping of petroleum products. p. 43.
Mobile unit for removing spilled oil from a water surface. p. 46.
New device for connecting hoses. p. 46.
High-speed ball hinged joint. p. 46.

No. 3, 1964.

Table of contents translated:

Abramzon, L.S., Edigarov, S.G. - Determining the indices for a criterional equation when there is an insufficient amount of experimental data. p. 3.
Chulin, P.I. - Operation of the end packing of 14N12x2 mainline pumps in petroleum pumping stations. p. 6.
Abramson, P.I. - Possibilities of saving electric energy in the operation of pipelines. p. 8.
Gritsev, N.D. - Stabilizing petroleum. p. 12.
Frenkel', B.A., Ustimov, L.S. - Automating the priming of a motor transport fuel mixture in service stations. p. 14.
Khutorenko, V.I., Skliazhenko, E.A. - Automating service stations. p. 18.
Vainer, M.I., TSimbler, IU.A., Chernikin, V.I. - Experimental investigation of the evaporation of gasoline from a deepened reinforced concrete tank. p. 23.
Lykov, M.V. - Metal welded barrels with an inner gasolineproof coating. p. 26.
Kontorovich, Z.L., Banin, A.P., Golubnichii, V.A. - Depreciation standard for overall repairs of petroleum products pipelines. p. 31.
Vorob'ev, M.A. - New plans for service stations. p. 38.
Speeding up the unloading of tankers by using remote control. p. 41.
Using a television camera to separate various types of petroleum in consecutive pumping. p. 41.
Automatic control of tank farms. p. 42.
Simplified design of an electronic apparatus for the automatic control of pipeline pumping stations. p. 43.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-KONSTRUKTORSKII INSTITUT PODZEMNOGO I SHAKHTNOGO STROITEL'STVA. Trudy [CENTRAL SCIENTIFIC RESEARCH AND DESIGN INSTITUTE FOR UNDERGROUND AND MINE BUILDING. Transactions]. Moscow, no. 2, 1963.

Table of contents translated:

Byderovskii, S.I., Kobyzev, S.S. - Comparative testing of shaft sinking clamshells. p. 3.
Kochetov, V.V. - Efficient kinematic diagrams of shaft sinking clamshells. p. 13.
Gorbachev, B.G. - Studying the resistance of clamshell parts. p. 25.
Braun, I.V. - Rock breaking forces in the UKB machine boring process. p. 34.
Baranovskii, IU.V. - Flat revolving sieve for conditioning borehole flush muds. p. 47.
Vyshinskii, A.V. - Kinematic calculation of the driving gear for the working part of a boring machine. p. 56.
Bulygin, A.G. - Freezing system of boring deep boreholes. p. 61.
Shreiber, B.P. - Study of the process of the bituminization of water-bearing rock. p. 71.
Neskreba, A.V., IAkovlev, A.B. - Industrial testing of KG-1 machine units. p. 82.
Komarov, A.S., Fel'dman, V.IA. - Studying the operating conditions of the pneumatic drive of loading machines. p. 89.
Sharikov, V.I. - Industrial testing of the BOS boring machine. p. 93.
Konontsev, I.S. - Standardization of replaceable bore bits. p. 97.
Skulbin, F.T. - Ways of raising the coefficient of the utilization of boreholes during mining operations in hard rock. p. 110.
Kulikov, I.O. - Determining the total hole drilling footage. p. 120.
Levenshtein, V.M. - Investigating the impact parameters of a bore bit on the rock. p. 123.
Shapiro, IU.Z. - Method of concreting without formwork. p. 131.
Levenshtein, V.M. - Some regularities of rock breaking under impact of the bit. p. 141.
Sapunov, A.A. - Experimental lining of horizontal openings with steel and plastic concrete supports. p. 150.
Stepanian, V.E. - Using the tensiometric method of determining the regularities of the distribution of rock pressure in underground structures. p. 158.
Lamba, K.D., Seletskii, L.I., Romanova, V.A. - Study of the properties of plastic concrete. p. 168.
Gerchikova, M.I. - Mechanized tunneling in a city underground sewerage system. p. 173.
Pogorelov, A.K. - Investigation of a bunton made of semicylinders for use as tunneling shield with a 2m diameter. p. 186.
Baranov, V.V. - Technical and economic advantage of building a combined city sewerage system for general use. p. 195.
Baranov, V.V. - Economic efficiency of developing a combined laying of communications in general type sewers. p. 207.

UGOL' [COAL[. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 38, no. 12(453), Dec 1963.

Table of contents translated:

IAkovenko, G.D. - Experience with the highly efficient UKR-1 cutter-loader on a steep seam. p. 1.
Matonin, P.K. - For the improvement of technical and economic indices of operations in the Karaganda Basin. p. 3.
Zherbin, M.M., Dukhovnyi, S.D. - Results of coping by coal mines with planned technical and economic indices. p. 6.
Using complete filling of drawn stopes in working steep seams of various thicknesses:
  Petukhov, N.G., Kuzichev, V.F. - Practices of the "Khatsepetovskaia-Zapadnaia" Mine with filling of drawn stopes. p. 9.
  Krylov, V.F., Dobrovol'skii, V.V. - Coal mining with filling is a progressive method of working thick steep seams. p. 11.
  Toropov, P.I. - Complete filling for the preservation of industrial buildings and structures in the Donets Basin. p. 13.
  Nekrasovskii, IA.E., Kolokolov, O.V. - Technology of filling operations in the Central Donets Basin Region and ways of improving it. p. 14.
From the editors. p. 19.
Areas of use of pneumatic energy in coal mines:
  Borisenko, K.S. - Using pneumatic energy in coal mines. p. 24.
  Khomytsevich, K.I. - Role of booster units in a mine compressed air system. p. 28.
Prokopenko, I.N. - Results of working the "Moshchnyi" seam in mine No. 9 at the Angren lignite deposit. p. 28.
Kuznetsov, S.T., Glushikhin, F.P. - Interaction of powered supports with wall rocks. p. 32.
Onishchenko, IU.A., Lysikov, B.A. - Some results of the study of the physicomechanical properties of coals and rock in the Donets Basin. p. 35.
Sonin, S.D., Cherniak, I.L., Miasnikov, IU.G. - Control of ground swelling by means of underground explosion charges. p. 38.
Kukharskii, M.P., Gerashchenko, IU.N. - Descentional ventilation of workings in hydraulic mines. p. 39.
Rabinovich, M.S., Golubev, V.A., Borodkin, A.F. - Reliability of mine automatic control equipment. p. 41.
Perro, V.V., Sukhinenko, M.A. - New cutter-loader for medium thickness steep seams. p. 45.
Shnaidman, M.I. - Efficiency of using a metal support in longwalls of Karaganda Basin mines. p. 47.
Garkavi, S.M. - Readers' response to the article by A.E. Petrosian, I.V. Sergeev, and N.I. Ustinov "Gas abundance in mining areas during the complex mechanization of coal mining."; 'Ugol' ", 1963, No. 2. p. 49.
Tomashevskii, L.P., Voinikanis, N.V., Zhigulin, M.S. - Readers' response to the article by A.E. Bezhetskii 'Improvement of preventing and extinguishing endogenic fires."; 'Ugol' ", 1962, No. 11. p. 50.
Conveyor-plow for shield-protected coal mining. p. 52.
Device for deviating the cutter-loader cable to the coal face road. p. 53.
Way of erecting supports in upraise shafts. p. 53.
Operating part of a mining cutter-loader. p. 54.
Mikhailenko, I.G. - Eighth congress of the Coal Industry Workers Trade Union. p. 54.
Guzhevnikov, E.A. - Conference on the mechanization of auxiliary operations in strip mines. p. 55.
Gritsko, G.I. - Conference on the utilization of mathematical methods in mining. p. 56.
Alimov, O.D., Dozmarov, V.Z. - Creation of a bore hoisting machine on the basis of the UP-3 machine. p. 57.
N.G. Nesterenko. p. 57.
New publications. p. 57.
List of articles published in the magazine "Ugol' " for 1963. p. 59.

Vol. 39, no. 3(456), Mar. 1964.

Table of contents translated:

IAstremskaia, A.M., Tikhonov, V.A. - All-Union labor productivity record for workers in stopes. p. 1.
Baranovskii, V.I. - Preservation of development workings at deep levels. p. 3.
Davydovich, I.L. - Building major mine workings at great depths. p. 7.
Sapitskii, K.F. - Calculation of collapsible pillars during chamber and chamber and pillar systems of working coal seams. p. 13.
Krasnikov, A.S., Mordukhovich, I.L. - Efficient systems of open-cut working of Moscow Basin coal seams. p. 16.
Budchenko, N.I. - Ways of increasing labor productivity at the "Kedrovskii" coal mine of the Kemerovugol' Trust. p. 19.
Tulovskii, M.V. - Terminology used in strip mining. p. 22.
Donov, P.A. - Improving the technology of boring and blasting operations in coal mines. p. 24.
Khnykin, V.F. - Compactness of hydraulic giant jets and selection of the optimum diameter of nozzles. p. 26.
Serednlakov, P.IA. - Terminology for hydraulic systems of mining coal seams. p. 29.
Sosnov, V.D. - Efficiency of mechanizing the mining of steep coal seams in the Donets Basin. p. 32.
Snegirev, A.G. - Introducing powered units in mines of the "Kuibyshevugol'" Trust. p. 36.
Fraiman, IA.B. - Results of operating the KM-87 unit in the Kuznetsk Basin. p. 38.
Moiseenko, K.S. - Automatic control of loading and unloading of skips with the use of radioactive isotope relays and transducers. p. 45.
Chernov, R.I. - Catching torn rubberized cable belts on KRU-350 conveyors. p. 48.
Lokhanin, K.A. - Analysis of the operating efficiency of mining cutter-loaders. p. 50.
Dobrianskaia, E.M., Birenberg, B.M. - Methods of analyzing labor productivity. p. 55.
Perkov, V.V., Gusenkov, A.M. - Complex recovery of minerals in the Moscow coal basin. p. 57.
IAkovlev, V.M. - Mining coal seams presenting a danger of outbursts in the Vorkuta deposit. p. 59.
Pavlenko, IU.P., Petrov, I.P. - Results of controlling dust during development working with the help of a cutter-loader. p. 62.
Podstavkin, and others. - Readers' response to the article by M.A. Magolchenkov, and V.N. Diadyk "Technical and operational data certificate for boring and blasting operations in coal seams."; "Ugol'", 1962, No. 12. p. 64.
Platkin, A.M., and others. - Readers' response to the article by A.S. Astakhov "Economic efficiency of mining machinery."; "Ugol'", 1962, No. 12. p. 65.
Anniversary of the 400th year of book printing in Russia. p. 68.
Kravtsov, A.I. - Leonid Ivanovich Lutugin; on the 100th anniversary of his birth. p. 70.
Rozenberg, F.IA. - Seminar for the exchange of progressive practices by collectives of communist labor in the coal industry. p. 71.
Trofimov, V.P. - History of the expansion of coal mining in the Donets Basin. p. 72.
Degterev, E.S. - Using the Universal Decimal Classification for indexing scientific literature and documents on mining. p. 73.
Grigor'ev, V.L., Zhukov, V.E. - Conference on the problems of mining coal deposits at great depths. p. 74.
Soboleva, I.M., Pol'tikhin, S.V. - Using mine water for industrial purposes. p. 75.
Ostrovskii, S.B. - Review of the book "Strip mining of native sulfur deposits. p. 76.
Barinov, A., and others. - Concerning the book "Layout of mine buildings and strip mines." p. 77.
Mel'nikov, N.I. - Concerning the book "Safety measures in coal mines." p. 79.
New books. p. 79.

VOLGOGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. Trudy [SCIENTIFIC RESEARCH INSTITUTE FOR THE PETROLEUM AND GAS INDUSTRY. Transactions]. Moscow, no. 2, 1963. Burenie skvazhin, razrabotka mestorozhdenii i avtomatizatsiia dobychi [Drilling, development and automation of production].

Table of contents translated:

Pozdniakov, V.F. - Simplification of deep-well structures in areas of Volgograd Province. p. 3.
Sukhonosov, G.D. - Efficient design of the rubber components of packers for formation testers. p. 9.
Veksler, L.I., Maiorov, I.K. - Stepwise footage of deep wells. p. 13.
Lipkes, M.I., and others. - Industrial tests of chlorolignin, a new viscosity-reducing reagent for drilling muds. p. 20.

Vinarskii, M.S. - Comparison of methods for processing the results of well-level tracking, classifications of absorption beds, and recommendations for their exclusion. p.27.

TSelishchev, V.F. - Geological characteristics and methods for excluding lost-circulation zones in petroleum regions of Volgograd Province. p.38.

Siniagovskii, I.N., Kharlanov, V.A., IAkunin, I.A. - The practicability of pattern flooding of the oil pools of the Upper Bashkir horizon of the Zhirnovsk and Bakhmet'yevskoye fields. p.48.

Siniagovskii, I.N., Sobolev, V.I., IAkunin, I.A. - Improvement of the system of the development of the petroleum and gas pools of the coal-bearing stratum of the Korobkovo field. p.52.

Zagoruiko, A.A., and others. - Further development of the oil- and gas-bearing pool in stratum B_1 of the Bakhmet'yevskoye field. p.65.

Pektemirov, G.A. - Sedimentation kinetics and the removal of impurities from petroleum. p.71.

Pektemirov, G.A. - Investigation of the viscosity of petroleum emulsions. p.78.

Mikhal'kov, P.V., Artamonov, V.I. - Composition of material balance in the gathering and transportation of Korobkovo petroleum. p.81.

Mikhal'kov, P.V., Nanikov, B.A. - Physicochemical properties of the petroleums of fields in Volgograd Province. p.87.

Mikhal'kov, P.V., Vostrikova, V.P. - Determination of hydrogen sulfide in the gases of the Korobkovo field. p.91.

Korol'kov, L.A. - Radioactive level gage. p.101.

Sutin, A.I., Burdenko, IU.V. - Automatic control of gate valves. p.103.

Sivov, I.F. - Pressure sensor. p.106.

Kosarev, M.S. - Temperature pickup. p.108.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Nauchno-tekhnicheskii sbornik po dobyche nefti [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Scientific and Technical Papers on Petroleum Production]. Moscow, no.21, 1963.

Table of contents translated:

Brykina, M.M., and others. - Comparison of the properties of reservoir rocks in level D_1 of the central section of the Minnibayevo region based on field data and data obtained with the EI-S electric integrator. p.3.

Blokh, S.S., Volnov, V.V., Trushina, K.G. - Certain geological features of Middle-Devonian producing layers in the Western Tebuk oil field. p.13.

Egorov, N.G., Rozenberg, M.D. - Exact numerical solution of a self-modeling problem of bubble-point oil movement in a semi-infinite linear reservoir. p.19.

Pilatovskii, V.P. - Equation of nonuniform flow considered as a certain probability process in fluid displacement. p.25.

Sherstniakov, V.F., Bokserman, A.A. - Volumetric elasticity of bubble-point oil. p.30.

Abyzbaev, I.I. - Calculating the gas factor and evaluating the permeability ratio of oil to gas in rocks on the basis of field data. p.33.

Bokserman, A.A., Zazovskii, F.A., Kamenetskii, S.G. - Determining the reservoir parameters for a nonsteady bubble fluid flow to the well bottom. p.37.

Bezirov, D.Sh., Kovalev, A.G., Kocheshkov, A.A. - Determining the petroleum yield of fractured reservoir rocks. p.42.

Kogan, L.G., Karpov, V.P. - Effect of the relationship between the viscosities of the displaced and displacing fluids on the conformance factor in a pattern system of oil-field development. p.48.

IAkunin, I.D. - Possibility of determining the porosity of reservoir rocks from the results of hydrodynamic investigations of wells. p.51.

Blokh, S.S., and others. - Certain features of the technological process in the development of the Western-Tebuk oil field in the Komi A.S.S.R. p.54.

Kotiakhov, F.I. - Estimating the degree of the tortuosity of interstitial channels in sedimentary rocks from their electric conductivity. p.58.

Kapyrin, IU.V., Trebin, G.F. - Estimating errors in the investigation of deep-well oil samples. p.62.

Shcherbakov, G.V. - Determination of reservoir parameters based on well data obtained by the use of a tester. p.67.

Suslov, V.A. - Determining oil saturation and phase permeabilities from data on nonsteady nonuniform fluid flow. p.72.

Borisov, IU.P., Riabinina, Z.K. - Problems related to processing the data used in calculating reservoir discontinuity. p.77.

Fazlyev, R.T. - Investigation of a linear system of pattern flooding. p.85.

Virnovskii, A.S., Rozantsev, V.R. - Conditions for the nonpercussive operation of a hydraulic-piston unit with valve distribution. p.91.

Rozantsev, V.R. - Working pressure as a function of the effective head and the number of strokes in a hydraulic-piston pump for petroleum production. p.97.

Gukasov, N.A. - Calculating the washover of a sampler. p.103.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Krasnodarskii filial. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Krasnodar Branch. Transactions]. Moscow, no.6, 1962.

Table of contents translated:

Introduction. p.3.

Susanov, E.IA. - Thermodynamics of the separation of binary and multicomponent systems. p.5.

Susanov, E.IA. - Fundamentals of the hydrodynamic theory of mass transfer. p.44.

Susanov, E.IA., Alekseev, IU.A. - Principles of the automatic control of the separation of homogeneous liquid and gas mixtures. p.60.

Alekseev, IU.A., Susanov, E.IA. - Results of the combined automatic control of the AGFU-1 unit of the Novo-Ufimskiy Petroleum Refinery. p.80.

Susanov, E.IA., and others. - Catalytic reforming of narrow fractions of straight-run gasolines and gas condensates of Krasnodar Territory. p.88.

Mel'nikova, N.P., Pikalo, N.M. - Separating cyclohexane from narrow gasoline fractions of Novo-Dmitryevka oil of Krasnodar Territory. p.96.

Zaichenko, V.N., Mel'nikov, L.F., Emel'ianova, G.V. - Polymerization of ethylene in electric discharge. p.102.

Litiaeva, Z.A., Markosov, P.I., Zaichenko, V.N. - Chromatographic determination of carbon monoxide, methane, and acetylene in high-purity ethylene. p.110.

*ZAVODSKAIA LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R., and the State Committee for the Coordination of Research in the U.S.S.R.]. Moscow, vol.30, no.5, 1964.

Table of contents translated:

Fedorova, M.N., Krivodubskaia, K.S. - Phase analysis of titanium ores. p.515.

Filippova, N.A., Korosteleva, V.A. - Phase analysis of ferromolybdenum production dusts for bismuth compounds. p.518.

Mashkovich, L.A., Kutelnikov, A.F., Maslova, T.P. - Phase analysis of tungsten and tungsten carbide materials. p.522.

Stromberg, A.G., Kaplin, A.A. - Effect of the volume of a solution on the depth of anode dent in amalgam polarography. p.525.

Vladimirova, V.M., Kuchmistaia, G.I. - Determination of selenium in semiconducting materials by the fluorescence method. p.528.

Khalizova, V.A., Alekseeva, A.IA., Smirnova, E.P. - Rapid determination of silicic acid in mineral raw materials. p.530.

Druzhinin, F.G., Mitianin, V.P. - Automatic analysis of blast furnace gases by gas chromatography. p.531.

Alekseev, R.I., Pozdniakova, L.T. - Determination of the water content of tributyl phosphate, kerosine, and kerosine solutions of tributyl phosphates. p.533.

TSelinskaia, T.F., Ivanova, N.I. - Determination of higher alcohols in the control of oxo synthesis by the measurement of dielectric constants. p.536.

Kissin, B.I., Kurakin, E.N. - Determination of small amounts of m-phenylenediamine in technical aniline. p.538.

Pavlov, V.N., Kurochkina, N.A., Frolova, Z.S. - Polarographic determination of peroxides. p.539.

Ganina, V.I., and others. - Polarographic and spectrophotometric determination of α,β-unsaturated ketones in cyclohexanone. p.541.

Toporova, V.V., Kochnev, M.I. - Effect of impurities in the determination of oxygen in crude copper. p.543.

Shtifman, L.M., Lastovich, V.V., Zarinskii, V.A. - Determination of acid impurities in ethyl silicate by the high-frequency method. p.543.

Burmistrov, M.P., Nalimov, V.V., Nedler, V.V. - Selection of the optimal conditions for measuring weak spectral lines. p.544.

Fedorov, V.V., Lazeeva, G.S., Petrov, A.A. - Determination of nitrogen in steels by the method of isotopic equilibration. p.546.

Karev, V.N. - X-ray absorption analysis of two- and three-component alloys and mixtures. p.548.

Shabalin, I.I., Petrova, L.P. - Comparison of extinction spectra measured with different SF-4 meters. p.551.

Poluektov, N.S., Meshkova, S.B., Nikonova, M.P. - Flame photometric determination of calcium impurity in hafnium and zirconium preparations. p.553.

Kreshkov, A.P., Mikhailenko, IU.IA., Kuchkarev, E.A. - Spectral determination of silicon in monomeric and polymeric organosilicon compounds. p.555.

Blokh, I.M., Rivkina, M.A. - Spectral analysis of powdered samples of various compositions. p.[illegible]

Korolev, N.V., Faivilevich, G.A. - Mi[illegible] method of studying nonmetallic [illegible] p.551

Omel'ianovskii, E.M., Fistul', V.I. - [illegible] of Hall effect in atomic semiconductors. p.555.

Meier, A.A. - Measurement of small [illegible] signals in semiconductors. p.562.

Skrebtsov, A.M. - Measurement of the [illegible] of metal samples with a gamma-emitting [illegible] p.564.

Naidich, IU.V., Vasiliu, M.I. - Determination of the density of metallic melts by the method of calibrated volume. p.567.

Lepinskikh, B.M., Esin, O.A. - Study of the [illegible] ence of modification of cast iron by means of high-temperature galvanic cells. p.569.

Smirnova, A.V., and others. - Electron [illegible] study of fractures in the [illegible] cast alloy. p.[illegible]

Kheifets, V.S. - Dilatometric measurements of glasses. p.573.

Mirlov, D.A., Markova, A.G. - [illegible] sis in the determination of the [illegible] of binary gaseous mixtures. p.575.

Ustinov, V.I., Grinenko, V.A. - Analysis of the compensation system for the precision measurements of isotope abundance ratios. p.[illegible]

Il'ina, M.A., Gurvich, A.M. - Performance of luminescent screens for X-ray examinations. p.[illegible]

Miazdrikov, O.A. - Pulse method of granulometric analysis. p.584.

Afanas'ev, A.S., and others. - Methods for [illegible] ing the amount of scale formed on [illegible] p.586.

Demina, N.I., Zilova, T.K., Fridman, IA.B. - Methods of mechanical testing in biaxial [illegible] of sheets. p.587.

Ageev, N.P., Karatushin, S.I. - Methods for [illegible] time tests of metals at elevated deformation [illegible] p.592.

Stepanov, G.A. - Method of testing fatigue and stress-rupture strength. p.596.

Skripnichenko, A.L. - Use of ultrasound in fatigue tests. p.598.

Shlebanila, V.N., Molchanov, L.N. - Effect of the operating length of a specimen and of its heating on the fatigue life of steel under pure bending. p.599.

Khrulev, V.M. - Estimation of the state of adhesive joints in testing them for water and weather resistance. p.601.

Obozov, I.P. - Approximation of actual stress-strain curves. p.602.

Gudkov, A.A., Ertsov, I.K., Balandin, I. V. - Apparatus for high-temperature fatigue testing of a rotating specimen under cantilever loading. p.606.

Gorodnitskii, F.M., Fink, V.K. - Machine for endurance testing of armature-binding wire. p.[illegible]

Zhuk, E.I. - Fatigue testing machine for crankshafts. p.608.

Klypin, B.A. - Apparatus for high-speed testing of tension and stress-rupture strength with the heating of the specimen by a passing current. p.[illegible]

Kovpak, V.I., Kuzema, IU.A. - Apparatus for [illegible] tensile testing. p.611.

Talanov, P.I., Chelushkin, A.S. - Apparatus for testing materials for wear in reciprocating motion. p.613.

Snegovskii, F.P., Polidorov, A.V. - Machine for testing friction materials for bearings. p.[illegible]

Bezborod'ko, M.D., Solomenko, I.I. - Friction machine for testing the lubricating performance of oil fogs. p.616.

Dudka, A.P. - Measurement of the thickness of [illegible] magnetic materials by Hall sensing elements. p.618.

Usatenko, S.T. - Measurement of induction in a permeameter using Hall sensing elements. p.[illegible]

Filippov, E.S., Verlman, A.A., Samarin, A.M. - Apparatus for measuring the density and surface tension of iron melts. p.620.

Tuzov, L.V., Akopian, R.A. - X-ray camera for photographic recording of small angle scattering. p.622.

Pechkovskii, V.V., Prokhorov, N.M. - Apparatus for the complex study of the properties of precision cast ceramic molds. p.625.

Pletenetskii, G.E. - Thermocouple for measuring high temperatures in vacuum and helium. p.[illegible]

Agranov, Kh.I., Reiman, L.V. - Universal photocolorimetric tape-type gas analyzer. p.[illegible]

IAnkevich, V.F., Bezruchko, I.V. - Stand for localized spectral analysis. p.628.

Kuznetsov, A.V. - Determination of the "dead time" of an X-ray counter of the URS-50I apparatus. p.629.

TSygan, V.T., and others. - Thermostatic devices for X-ray cameras. p.630.

Li Bon-gir, Stanchev, D.I. - Attachment to the URS-50I apparatus for the X-ray examination of specimens with a concave friction surface. p.[illegible]

Viting, L.M. - Automatic device for the determination of the Curie point. p.631.

Vatolin, N.A., Korn, E.M. - Apparatus for determining the density of liquid metals at high temperatures. p.631.
Suvorov, A.S., Isaev, I.R. - Modernization of the D40-P defectoscope. p.632.
Mitov, I.V., Oklushevich, V.V., Skorov, D.M. - Possibility for extension of the pressure range measurement by the LT-2 thermocouple lamp. p.633.
Stadnik, V.D. - Relay to contact thermometer. p.633.
[illegible], I.S., Vlasov, N.G., Frolov, G.I. - Cryostat to the SF-4 spectrophotometer for investigating liquids at low temperatures. p.634.
Shteinberg, A.R. - Portable spectroprojector on the basis of the "[illegible]" apparatus. p.634.
Poluektov, N.S., Zelyukova, Iu.V. - Concentric atomizer for a flame photometer. p.635.
[illegible], M.P. - Improvement of the design of an electrode with a platinum contact. p.635.
Voskresenskii, A.A. - Making airtight cameras for the operation in the inert gas atmosphere. p.635.
Alekseev, R.I., Tokarskaia, E.A. - Semiautomatic laboratory device for measuring equal portions of gas. p.636.
Astel', I.IA. - At a laboratory of the Novomoskovsk Chemical Combine. p.637.
Shiriaev, A. - All Union Conference on the theory of probabilities and mathematical statistics. p.639.
Information from abroad. p.639.
Ermolov, I.N. - "Ultrasonic control of welded joints" by A.K. Gurvich. p.640.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 4, no. 20, Oct. 1963.

Table of contents translated:
Editorial - Victorious banner of the October Revolution. p.3.
[illegible], V. - Marxist-Leninist theory of socialist revolution and the present. p.9.
[illegible], P. - Be vigilant everyday and every hour. p.19.
[illegible], V. - Constantly follow the Regulations of the CPSU. p.25.
[illegible], A. - Fearlessness and sensitivity. p.32.
[illegible], V. - History of the heroes of the Battle of Kiev. p.36.
[illegible], A. - Fighters. p.42.
[illegible], A. - Affairs of communists in a tank battalion. p.43.
[illegible], V. - On the bridge of the ship is a political worker. p.50.
[illegible], P. - Interest for military knowledge. p.57.
On the way of their fathers
[illegible], I., [illegible], V. - Eighty out of a hundred are experts. p.53.
[illegible], M. - Friendship born in battles. p.55.
[illegible], V. - Unanimous decision; is accepted. p.57.
[illegible], V. - Aligning on communists. p.58.
In the new year, to a new stage. p.61.
[illegible], G. - Historical purpose and character of the Soviet Armed Forces. p.64.
[illegible], A. - Program of the party and the June Plenum of the Central Committee of the CPSU on the education of Soviet soldiers. p.71.
[illegible], A. - Lecture on political studies. p.77.
[illegible], K. - Ideological seasoning of officers is getting stronger. p.81.
Popov, V. - What is hidden behind the screen of the American "Peace Corps?" p.85.
[illegible], A. - International significance of the experience of the CPSU. p.88.
News of party and political work. p.93.
Follow-up of our articles. p.95.

RODIMYI KRAI [NATIVE LAND]. Issued by Donskoe kazach'e ob"edinenie [Don Cossack Association]. Paris, no. 52, May-June 1964.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 44, no. 22(970), Nov. 1962.

Table of contents translated:
Increase vigilance and combat readiness. p.1.
[illegible], I. - Private First Class Baiyr [illegible]. p.2.
[illegible], V. - I want, as everybody does. p.4.
Lanin, N. - If all were for one. p.7.
Ivanov, D. - Airdrome letters. p.8.
Murav'ev, I. - When the goal is clear. p.13.
[illegible], Valentin. - Three generations. p.14.
Lobov, O. - The last "Helmet." p.16.
Kirlukhin, A. - Spare rouble. p.17.
Thus the eagle found its wings. p.19.
Golubkov, D. - Bylina. p.21.
Vasil'ev, N. - Taming thermonuclear reaction. p.22.

Kolesnikov, Kirill. - Behind the front line. p.23.
[illegible], K. - Manly and courageous people. p.27.
[illegible], Nikolai. - Warmed by the heart. p.27.
[illegible], V. - Love. p.29.
Tyrin, K. - At the Yaroslavl tire factory.... p.31.
[illegible], V. - Distinguished team leader on a visit to fishermen. p.32.
Kovalenko, M. - Sergeant's brush. p.32.
Matviichuk, N. - On Polish soil.... p.33.
[illegible], T. - He saved the collective farmers. p.33.
[illegible], B. - Schoolchildren on a visit to soldiers. p.33.
[illegible], I. - Competition... of orchestras. p.33.
Alekseev, D., [illegible], H. - There was a lad born in Ryazan.... p.34.
Flerov, Nikolai - It resounds proudly. p.36.
[illegible], Leonid Grigor'evich - On the approaches to mastery. p.41.
Korol'kov, V. - From the "greatest hero" to the champion of the world. p.42.
Bogdanov, V. - "The border" on the border. p.43.
Savichev, G. - "Revealing song." p.43.
Shabarin, B. - Defender. p.44.
Bochkarev, V. - A young man is seen off to the service.... p.44.
[illegible], G. - The sky stays clear. p.45.
Why do we speak this way? p.46.
Humor of our friends. p.47.
Chess. p.48.
In a free moment. p.48.

Vol. 44, no. 23, Dec. 1962
Table of contents translated:
[illegible], M.M., [illegible], V.I. - [illegible] Lenin's political p.1
[illegible], I. - Test of courage. p.2
[illegible], M. - A life for a life. p.2
[illegible], I. - Stern principles. p.3.
[illegible], P. - An open road to the [illegible] of young people. p.4
[illegible], A. - [illegible] in the taiga. p.6.
[illegible], Grigorii - Privilege. p.7.
[illegible], I. - A [illegible] went to sea.... p.13.
[illegible], V. - [illegible] and interesting.... How is it to be found? p.14
[illegible], I. - [illegible] p.14
[illegible], M. - Life in close-up. p.15
[illegible], V. - ... And nobody was indifferent. p.17
[illegible], V. - Trip to a country of friends. p.18.
Chemical workshop. p.19
[illegible], [illegible] - [illegible]. p.19.
[illegible], D. - Golden hands. p.20
[illegible], D. - Cordial reception. p.20
[illegible], [illegible] - Parachutists compete. p.21.
[illegible], S., [illegible], D. - Night and day. p.21
[illegible], Kirill - Behind the front line. p.24
[illegible], Oleg - Hello, soldier's song! p.26
[illegible], V. - In front of the [illegible]. p.30.
[illegible], Lev - When the stars are angry. p.32.
[illegible], N.A. - In the platoon of the [illegible]. p.36
[illegible], [illegible] - Unequal single combat. p.41.
[illegible], N. - Pilot [illegible]. p.44
[illegible], N. - More than the sports. p.46.
[illegible], A. - Chess. p.48

Vol. 45, no. 2(990), Jan. 1963
Table of contents translated:
[illegible], Nikolai. - Accord. p.1.
[illegible], V. - [illegible]. p.3
[illegible], M.I. - Winged glory of the people of Leningrad. p.4.
[illegible], [illegible]. - Battle waltz. p.6.
[illegible], [illegible]. - In those days.... p.9.
[illegible], A. - Worthy sons of their fathers.... p.10.
[illegible], V. - Those entering the ranks for the first time. p.14.
[illegible], Mikhail - Nine hundred heroic days. p.17.
[illegible], V. - Love of the people. p.18.
[illegible], Sergei. - Meetings. p.19.
[illegible], G. - [illegible] came to a house. p.26.
[illegible], L. - A sergeant's vigilance. p.24.
Fedorov, V. - First assignment. p.25.
[illegible], Vsevolod. - Liberation. p.28.
[illegible], A. - Sasha's letters. p.29.
[illegible], V. - A council in operation. p.31.
[illegible], V. - Photograph from a forest lodge. p.32.
[illegible], F. - On our insert. p.32.
Borisov, I. - The sea is for the strong. p.37.
The Winter Olympics. p.39.
[illegible], I. - Synthetic polyisoprene rubber. p.40.
The puck flys to the goal. p.42.
Ryzhkov, A., and others. - Let's talk about soldi leisure. p.44.
Lashkov, I. - In his own way. p.45.
Vasil'ev, V. - Come to the "Cosmos." p.46.
Chess. p.48.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no.3, Mar. 1964.

Table of contents translated:
Editorial: Mastery of control in battle. p.3.
[illegible], V. - For superior firing skill. p.7.
[illegible], P., [illegible], G. - The results are as good as the commander. p.9.
[illegible], V., [illegible], Zh. - Use all possibilit p.12.
[illegible], V. - Love for one's work, search for ne ways and creative work. p.15.
[illegible], N., Pavlov, Iu. - Each member of a tan force is an expert rifleman. p.19.
Gavrikov, F., Medvedev, N., Levin, V. - March and meeting engagement of a motorized rifle battalion. p.24.
Fadeev, I. - Reconnaissance group on the march. p.30.
Kuznetsov, G. - Technical support of the march of a tank battalion. p.43.
Pavlov, N. - Take meteorological conditions into consideration. p.44.
Pil'chevskii, M. - Protection from war gas and radioactive substances at night. p.47.
Solve this problem: Tank battalion in the advance guard. p.49.
[illegible], P. - The commander is the political trainer. p.50.
[illegible], I. - Company tactical exercise. p.54.
"Individual evaluation": survey of responses. p.60.
[illegible], V. - We are perfecting methodical procedur p.62.
Korol', G., [illegible], V. - Improve public control. p.64.
Troitskii, A. - Exercise on a sand table. p.67.
[illegible], G. - March of a division. p.71.
Ivanov, V. - Firing with a large displacement on a wide target. p.73.
D'iachenko, V. - Adjustment with the help of an airplane. p.76.
[illegible], N. - Tying in by one's own forces. p.80.
[illegible], D. - Control of an antiaircraft battery on the march and in a meeting engagement. p.81.
Kozlov, D. - Antiaircraft machine-gun mounts conduct fire. p.85.
Aleksandrov, A. - March schedule. p.88.
[illegible], F. - Engineer support of a march in winter. p.90.
[illegible], F. - Combat engineers conduct reconnaissance. p.93.
[illegible], E. - Improved breather. p.96.
[illegible], N. - Overcoming difficulties. p.97.
[illegible], V. - Efficiently protect equipment. p.
Lebedev, I. - Work at night according to daytime norms. p.100.
Kiselev, G., and others. - How do you train radiotelegraph operators?; discussion of the article published in No.1. p.101.
[illegible], M., [illegible], I., [illegible], M. - "Training of radiomen should be equal to the new demands"; discussion of the article published in No.10, 1963. p.103.
[illegible], P. - According to specialties and years of service; exercise on preparation fire in a landin company. p.105.
Smirnov, D. - Firing a submachine gun with a rifle rest. p.110.
[illegible], V. - Preparation of guns for the march and for firing; advice on conducting exercises. p.112.
[illegible], V. - Tricks of the Pentagon. p.116.
[illegible], N. - Military training in a tank company, according to materials of the American press. p.119.
Hero of the civil war. p.124.
Liberation of Odessa. p.125.
Mishin, N. - Reminiscences of an army commander. p.128.
Kan, I.A. - Chess. p.137.

b. NAVAL SCIENCE

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 87, 1962. Tekhnicheskaia ekspluatatsiia morskogo flota [Technical Operation of Merchant Ships], no. 10.

Table of contents translated:
[illegible], M.I. - Prospective low-speed marine diesel engines. p.3.
[illegible], A.K. - Characteristic types of breakdown of marine engine boilers and their analysis p.22.

Karandashov, B.S. -Investigating the reliability of boiler air preheaters on the steamer "Leninskii Komsomol." p. 43.
Vysotskii, A.A., and others. - Preventing the corrosion of cooling jackets on marine internal combustion engines. p. 57.
Malishevskii, V.E. - Methods of adjusting electric propulsion on "Lena"-type ships. p. 83.
Kaliazin, E.A., Turapin, G.P. - Marine mutiple spot equipment for measuring and signaling temperatures (AIST) with the use of semiconductor thermistors. p. 102.
Bol'shakov, V.F. - Using radioactive rays in measuring equipment. p. 107.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 23, no. 12, Dec. 1963.

Table of contents translated:

On the eve of the sixth year of the seven-year plan. p. 1.
Krivobokov, A. - Communist labor is an important means of education. p. 3.
Captain of the "Baltic." p. 6.
Strel'tsov, I. - In a progressive brigade. p. 7.
Delich, B. - Reliable helpers in the war against negligence. p. 8.
Portniabin, S. - Insufficient use of the loading capacity of dry cargo freighters. p. 10.
Chepukhalin, I. - Regulate volume measurements in the loading and unloading of cargo in harbors. p. 12.
Dombrovskii, A. - Expand the rights and increase the effectiveness of the "Transflot" agency. p. 14.
Derevianko, P., Mikheev, A. - Modernize fueling stations in harbors. p. 16.
Kulataev, A. - Improve the organization of the repair of loading and unloading machines. p. 18.
Osipov, B. - Selection of the most advantageous sailing route to Cuba. p. 19.
Potemkin, A. - Improve the maintenance of marine radar stations. p. 20.
Semenov, K. - Automatic switch of sub-bands on a radio receiver. p. 22.
Nuzhnov, E. - We are supporting the suggestion made by Captain Rusanov. p. 23.
Kiselev, A. - True to the traditions of the merchant marine. p. 23.
Oskin, B. - Electric propulsion installation of alternating-direct current. p. 25.
Shepel', G. - Lift-winches on ships of the type "Belomorskies." p. 26.
Dolginova, M., Skibitskii, N. - Polyethylene is a good substitute for nonferrous metals. p. 29.
Reinberg, E. - The wear of deadwood bearings is the cause of fatigue damage to propeller shafts. p. 31.
Sergeev, V. - What should be the design of seagoing diesel-propelled mud scows? p. 34.
Asinovskii, V., Lukovnikov, A. - Fitting propulsion bulbs on the propeller. p. 37.
Chashchin, V. - Studying the causes and the prevention of industrial traumas. p. 39.
Blagoveshchenskii, S., Dorin, V. - International cooperation on standardizing the buoyancy and stability of ships. p. 41.
Bogdanov, L. - Methods of increasing the maneuvrability of merchant ships. p. 43.
Merzlov, E., and others. - Automatic control on ships. p. 45.
Kostrov, Kh. - Processes in and operation of marine boilers. p. 45.
New labor legislation. p. 46.
Ship University of Culture. p. 47.
On the ice route. p. 47.
With initiators of important measures. p. 47.
Following a hero's example. p. 47.
Follow-up of published materials. p. 48.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, May-June 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963]

SUDOVOZHDENIE [NAVIGATION]. Issued by Otdel uchebnykh zavedenii Ministerstva morskogo flota SSSR [Department of Schools of the Ministry of the Merchant Marine of the U.S.S.R.]. Leningrad, no. 3, 1963.

Table of contents translated:

Koriakin, S.F. - The merchant marine of the U.S.S.R. must become the most modern and economical to operate in the entire world. p. 3.
Sazonov, A.E.; Filippov, IU.M. - Strictly consecutive verification of the accuracy of the calculated position of a ship in the case of position lines determined at various times. p. 6.
Brekhov, A.M. - Mathematical model of astronomic methods to determine a ship's position. p. 20.
D'iakonov, V.F. - Application of Newton's method to the solution of astronomical problems of two altitudes. p. 29.
Mal'tsev, V.N. - Determining the position of a vessel by observations of the sun made at different moments. p. 35.
Perfil'ev, V.K. - Accuracy of a "Kura"-type gyrocompass corrector. p. 45.
Smirnov, E.L., Blinnikov, M.E., Filipchenko, V.G. - Influence of a ship's repeated manouvers on the gyrocompass. p. 53.
Mel'nikov, R.D. - Determination of Poisson parameters during navigation. p. 65.
Rakhovetskii, A.N. - Comparison of direct and combined intersectings. p. 69.
Zapasskii, S.I. - Taking into account the deformations of the Mercator projection in the compilation of radar charts. p. 73.
Gukov, F.T. - Plotting a net of isolines on a chart. p. 80.
Baranov, IU.K. - Making use of infrared techniques in navigation. p. 87.
Bulanov, N.F. - Effect of rough seas on radar visibility. p. 90.
Gamov, A.G. - Determining the turning circle of a vessel by the photography of a radar screen. p. 94.
Voronov, V.V. - Remote magnetic compasses for the merchant marine. p. 97.
Kondrashikhin, V.T. - Astronomical tables. p. 103.
Averbakh, N.V. - Needed and useful book. p. 109.
Kovalev, N.G. - Manual for ship captains in the course "Work organization in the merchant marine." p. 111.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agrobiologiia (15a)	Agrobiologiia [Agrobiology]
Akust. zhur. (13f)	Akusticheskii zhurnal [Journal of Acoustics]
Antibiotiki (14f)	Antibiotiki [Antibiotics]
Apt. delo (14f)	Aptechnoe delo [Pharmacy]
Arkh. anat., gist. i embr. (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]
Astron. tsir. (13b)	Astronomicheskii tsirkuliar [Astronomical Circular]
Atom. energ. (16e)	Atomnaia energiia [Atomic Energy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avt. dor. (16d)	Avtomobil'nye dorogi [Highways]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]
Avtom., telem. i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control, and Communications]
Avtomatyka (16e)	Avtomatyka [Automatic Control]
Az. i Afr. seg. (1b)	Aziia i Afrika segodnia [Asia and Africa Today]
Azerb. khim. zhur. (13d)	Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]
Azerb. neft. khoz. (16b)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
Bibl. sov. bibl. (2a)	Vsesoiuznaia knizhnaia palata. Bibliografiia sovetskoi bibliografii [All-Union Book Chamber. Bibliography of Soviet Bibliography]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie [Bulletin of Foreign Commercial Information; Supplement]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]
Bibliotekoved. i bibl. (2b)	Bibliotekovedenie i bibliografiia; ukazatel' literatury [Library Science and Bibliography; an Index to the Literature]
Biokhimiia (13c)	Biokhimiia [Biochemistry]
Biul. Glav. bot. sada (13c)	Moscow. Glavnyi botanicheskii sad. Biulleten' [Main Botanical Garden. Bulletin]
Biul. Gos. kom. po vop. truda i zar. platy (7)	Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]
Biul. Inst. astrofiz. AN Tadzh. SSR (13b)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut astrofiziki. Biulleten' [Academy of Sciences of the Tajik S.S.R. Astrophysical Institute. Bulletin]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
Biul. izobr. i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. Kom. chetv. per. (12c)	Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Biulleten' [Academy of Sciences of the U.S.S.R. Commission for the Study of the Quaternary Period. Bulletin]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
Biul. stroi. tekh. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]
Biul. tekh. inform. Biuro tekh. inform. Radiotresta (16e)	Radiotrest, Moscow. Biuro tekhnicheskoi informatsii. Biulleten' tekhnicheskoi informatsii [Radiotrust. Bureau of Technical Information. Bulletin of Technical Information]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Bot.; issl. Bel. otd. VBO (13c)	Vsesoiuznoe botanicheskoe obshchestvo. Belorusskoe otdelenie. Botanika; issledovaniia [All-Union Botanica Society. White Russian Branch. Botany; Research. Papers]
Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
Bum. prom. (16f)	Bumazhnaia promyshlennost' [Paper Industry]
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Dokl. AN BSSR (13a)	Akademiia navuk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of t U.S.S.R. Reports]
Dokl. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Doklady [Timiriazov Agricultural Academy of Moscow. Reports]
Dop. AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Scienc of the Ukrainian S.S.R. Reports]
Ekon. Rad. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
Ekon. sel'khoz. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agricult
Ekon. stroi. (5b)	Ekonomika stroitel'stva [Economics of Construction]
Eksper. khir. i anest. (14h)	Eksperimental'naia khirurgiia i anesteziologiia [Experimental Surgery and Anesthesiology]
Elek. i tepl. tiaga (16g)	Elektricheskaia i teplovoznaia tiaga [Electric and Diesel comotive Traction]
Elektrotekhnika (16e)	Elektrotekhnika [Electrical Engineering]
Energ. i elektrotekh. prom. (16e)	Energetika i elektrotekhnicheskaia promyshlennost' [Power Engineering and the Electric Equipment Industry]
Energetik (16e)	Energetik [Electric Power Technician]
Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production a Utilization in Foreign Countries; Supplement to the Periodical "Electric Power Stations"]
Energomashinostroenie (16g)	Energomashinostroenie [Power Machinery Construction]
Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]
Gaz. delo (16h)	Gazovoe delo [Gas Industry]
Geofiz. prib. (12c)	Geofizicheskoe priborostroenie [Design of Geophysical In struments]
Geofiz. sbor. (13f)	Akademiia nauk URSR, Kiev. Instytut geofizyky. Geofizicheskii sbornik [Academy of Sciences of the Ukrainian S.S.R. Institute of Geophysics. Geophysica Papers]
Geol. mest. red. elem. (12c)	Geologiia mestorozhdenii redkikh elementov [Geology of Rare-Element Deposits]
Geol. nefti i gaza (16b)	Geologiia nefti i gaza [The Geology of Petroleum and Gas]
Geol. rud. mestorozh. (16h)	Geologiia rudnykh mestorozhdenii [Geology of Ore Deposits]
Gig. i san. (14g)	Gigiena i sanitariia [Hygiene and Sanitation]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleter novykh inostrannykh knig, postupivshikh v Biblioteku im V. I. Lenina. Seriia 1: Fiziko-matematicheskie i khimich skie nauki; nauki o zemle; tekhnika i tekhnicheskie nauk [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Phys Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku im V. I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziai stvennye nauki, zdravookhranenie, meditsinskie nauki [Public Library. Information Bulletin of New Foreign Bo Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Science
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biullete novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Librar Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]

Inform.sbor. TSNIIMF. Tekh. ekspl. mor. flota (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Tekhnicheskaia ekspluatatsiia morskogo flota [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Technical Operation of Merchant Ships]
Inform.ukaz.bibl. spis.i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inzh.-fiz.zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
Isk.kino (9a)	Iskusstvo kino [Cinema Art]
Iskusstvo (10a)	Iskusstvo [Art]
Ist.-filol.sbor. (4a)	Istoriko-filologicheskii sbornik [Historical and Philological Papers]
Ist.-filol.zhur. (4a)	Akademiia nauk Armianskoi SSR, Erivan. Istoriko-filologicheskii zhurnal [Academy of Sciences of the Armenian S.S.R. Historical and Philological Review]
Ist.-mat.issl. (13e)	Istoriko-matematicheskie issledovaniia [Studies in the History of Mathematics]
Ist.SSSR (4a)	Istoriia SSSR [History of the U.S.S.R.]
Iz ist.nauki i tekh.v stran. Vost. (13a)	**Iz istorii nauki i tekhniki v stranakh Vostoka [From the History of Science and Technology in the Countries of the East]**
Izobr.i rats. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Izv. AN Arm.SSR. Biol.nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Biological Sciences]
Izv.AN Arm.SSR. Geol.i geog. nauki (12c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Geologicheskie i geograficheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Geological and Geographical Sciences]
Izv.AN Arm.SSR. Obshchestv.nauki (1a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Social Sciences]. In Russian and Armenian.
Izv.AN Azerb.SSR. Ser.biol.i med. nauk (13c)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia biologicheskikh i meditsinskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Biological and Medical Sciences]
Izv.AN Kazakh. SSR. Ser.geol. (12c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the Kazakh S.S.R. Bulletin. Geological Series]
Izv.AN Kir.SSR. Ser.est.i tekh. nauk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia. Seriia estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin. Series in the Natural and Technological Sciences]
Izv. AN SSSR. Energ.i transp. (16g)	Akademiia nauk SSSR. Izvestiia. Energetika i transport [Academy of Sciences of the U.S.S.R. Bulletin. Power Engineering and Transportation]
Izv. AN SSSR. Mekh.i mashinostr. (16g)	Akademiia nauk SSSR. Izvestiia. Mekhanika i mashinostroenie [Academy of Sciences of the U.S.S.R. Bulletin. Mechanics and Machine Building]
Izv. AN SSSR. Ser.biol. (13c)	Akademiia nauk SSSR. Izvestiia. Seriia biologicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Biological Series]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]
Izv.AN SSSR.Ser. geog. (12b)	Akademiia nauk SSSR. Izvestiia. Seriia geograficheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]
Izv.AN SSSR.Ser. geol. (12c)	Akademiia nauk SSSR. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]
Izv. AN SSSR.Ser. khim. (13d)	Akademiia nauk SSSR. Izvestiia. Seriia khimicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]
Izv. AN SSSR. Tekh.kib. (16e)	Akademiia nauk SSSR. Izvestiia. Tekhnicheskaia kibernetika [Academy of Sciences of the U.S.S.R. Bulletin. Engineering Cybernetics]
Izv. AN Turk. SSR Ser.biol. nauk (13c)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia biologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Biological Sciences]
Izv. Alt.otd. Geog.ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR. Altaiskii otdel. Izvestiia [Geographical Society of the U.S.S.R. Altai Branch. Bulletin]
Izv.Chech.-Ing. nauch.-issl.inst. ist.,iaz.i lit. (1a)	Grozny. Checheno-Ingushskii nauchno-issledovatel'skii institut istorii, iazyka i literatury. Izvestiia [Chechen-Ingush Research Institute of History, Language, and Literature. Bulletin]
Izv.LETI (16e)	Leningrad. Elektrotekhnicheskii institut. Izvestiia [Institute of Electrical Engineering. Bulletin]
Izv.Omsk.otd. Geog.ob-va (12b)	Geograficheskoe obshchestvo SSSR. Omskii otdel. Izvestiia [Geographic Society of the U.S.S.R. Omsk Branch. Bulletin]
Izv.Otd.obshchestv. nauk AN Tadzh.SSR (1a)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdelenie obshchestvennykh nauk. Izvestiia [Academy of Sciences of the Tajik S.S.R. Department of Social Sciences. Bulletin]
Izv. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Izvestiia [Timiriazev Agricultural Academy of Moscow. Bulletin]
Izv.Vses.geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U.S.S.R. Bulletin]
Izv.vys.ucheb. zav.; av.tekh. (16b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; aviatsionnaia tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering]
Izv.vys.ucheb. zav.; chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv.vys.ucheb. zav.; elektro-mekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Izv.vys.ucheb. zav.; energ. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Izv.vys.ucheb. zav.;gor.zhur. (16h)	**Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]**
Izv.vys.ucheb. zav.; khim.i khim.tekh. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]
Izv.vys.ucheb. zav.; mashinostr. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Building]
Izv.vys.ucheb. zav.;mat. (13e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mathematics]
Izv.vys.ucheb. zav.;neft' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]
Izv.vys.ucheb. zav.; pishch. tekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Food Technology]
Izv.vys.ucheb. zav.;radiotekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv.vys.ucheb. zav.; stroi.i arkhit. (16b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv.vys.ucheb. zav.; tekh.tekst. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Kauch.i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Kaz.med.zhur. (14a)	Kazanskii meditsinskii zhurnal [Kazan Medical Journal]
Khim.i tekh.gor. slan.i prod.ikh perer. (16c)	Eesti NSV Polevkivi Uurimise Instituut. Khimiia i tekhnologiia goriuchikh slantsev i produktov ikh pererabotki [Shale Research Institute of the Estonian S.S.R. Chemistry and Technology of Combustible Shales and Their Products]
Khim.i tekh. polim. (16c)	Khimiia i tekhnologiia polimerov; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations and Surveys from Foreign Periodical Literature]
Khim.prom. (16c)	Khimicheskaia promyshlennost' [Chemical Industries]
Khim.v sel'. khoz. (15a)	Khimiia v sel'skom khoziaistve [Chemistry in Agriculture]

Khim. volok. (16c)	Khimicheskie volokna [Synthetic Fibers]
Khirurgiia (14h)	Khirurgiia [Surgery]
Khleb. i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Knizh. torg. (2c)	Knizhnaia torgovlia [Book Trade]
Komm. Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Komm. Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Komm. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kommunist (6)	Kommunist [Communist]
Kosm. issl. (13b)	Kosmicheskie issledovaniia [Space Research]
Kozh.-obuv. prom. (16f)	Kozhevenno-obuvnaia promyshlennost' [Leather and Footwear Industry]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Lab. delo (14e)	Laboratornoe delo [Laboratory Work]
Lakokras. mat. i ikh prim. (16c)	Lakokrasochnye materialy i ikh primenenie [Lacquer and Paint Materials and Their Use]
Leh. prom. (16f)	Lehka promyslovist' [Light Industry]
Leks. sbor. (11a)	Leksikograficheskii sbornik [Lexicographical Review]
Les. khoz. (15c)	Lesnoe khoziaistvo [Forestry]
Les. prom. (15c)	Lesnaia promyshlennost' [Forest Industries]
Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let. rets. (2a)	Letopis' retsenzii [Chronicle of Reviews]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Mash. i neft. obor. (16h)	Mashiny i neftianoe oborudovanie [Machinery and Petroleum Equipment]
Mashinostroenie (16g)	Mashinostroenie [Machinery Manufacture]
Masl.-zhir. prom. (16e)	Masloboino-zhirovaia promyshlennost' [Oils and Fats Industry]
Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Mat. VSEGEI. Chet. geol. i geomorf. (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Materialy. Novaia seriia: Chetvertichnaia geologiia i geomorfologiia [All-Union Geological Institute. Materials. New Series: Quaternary Geology and Geomorphology]
Mat. z etn. ta mystetstvoznav. (10a)	Lvov. Ukrains'kyi derzhavnyi muzei etnografii ta khudozhn'oho promyslu. Materialy z etnografii ta mystetstvoznavstva [Ukrainian State Museum of Ethnography and the Art Industries. Materials on Ethnography and Art]
Med. prom. (14f)	Meditsinskaia promyshlennost' SSSR [Medical Supplies Industry of the U.S.S.R.]
Med. rad. (14a)	Meditsinskaia radiologiia [Medical Radiology]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]
Mekh. i elek. sots. sel'khoz. (15a)	Mekhanizatsiia i elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva [Mechanization and Electrification of Socialist Agriculture]
Mekh. sil'. hosp. (15a)	Mekhanizatsiia sil's'koho hospodarstva [Mechanization of Agriculture]
Mekh. stroi. (16d)	Mekhanizatsiia stroitel'stva [Mechanization of Construction]
Met. i metalloved. chist. met. (16h)	Metallurgiia i metallovedenie chistykh metallov [Process Metallurgy and Physical Metallurgy of Pure Metals]
Meteor. i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Meteoritika (13b)	Meteoritika [Meteoritics]
Meteory; sbor. st. (13b)	Kharkov. Politekhnicheskii institut. Kafedra osnov radiotekhniki. V razdel programmy MGG: Ionosfera i meteory. Meteory; sbornik statei [Polytechnic Institute. Department of the Fundamentals of Radio Engineering. 5th Section of the IGY Program: Ionosphere and Meteors. Meteors; Papers]
Metod. anal. khim. reak. i prepar. (13d)	‡ Metody analiza khimicheskikh reaktivov i preparatov [Methods for the Analysis of Chemical Reagents and Preparations]
Metod. poluch. khim. reak. i prepar. (13d)	Metody polucheniia khimicheskikh reaktivov i preparatov [Methods of Obtaining Chemical Reagents and Preparations]
Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Mias. ind. SSSR (16f)	Miasnaia industriia SSSR [Meat Industry of the U.S.S.R.]
Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]

Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Mont. i spets. rab. v stroi. (16d)	Montazhnye i spetsial'nye raboty v stroitel'stve [Ass and Specialized Operations in Construction]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]
Muk.-elev. prom. (16f)	Mukomol'no-elevatornaia promyshlennost' [Flour Mil and Grain Storage
Mystetstvo (10a)	Mystetstvo [Art]
NTI (16a)	Moscow. Vsesoiuznyi institut nauchnoi i tekhnichesko informatsii. Nauchno-tekhnicheskaia informatsiia Union Institute of Scientific and Technical Informati Scientific and Technical Information]
NTO (16a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Unio Council of Scientific Technological Societies. Scien Technological Societies of the U.S.S.R.]
Nach. shkola (8a)	Nachal'naia shkola [Primary School]
Nar. Az. i Afr. (4a)	Narody Azii i Afriki; istoriia, ekonomika, kul'tura [P of Asia and Africa; History, Economics, Culture]
Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Econo of Kazakhstan]
Nar. khoz. Sred. Az. (5b)	Narodnoe khoziaistvo Srednei Azii [The National Econo of Central Asia]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
Nar. tvorch. ta etn. (12a)	Narodna tvorchist' ta etnografiia [Folk Art and Ethnography]
Nauch. dokl. vys. shkoly; biol. nauki (13c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i sre spetsial'nogo obrazovaniia. Nauchnye doklady vyssh shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers Higher Schools; Biological Sciences]
Nauch.-issl. trudy TSNI-IShvelproma (16f)	‡ Moscow. TSentral'nyi nauchno-issledovatel'skii institu shveinoi promyshlennosti. Nauchno-issledovatel'ski trudy [Central Scientific Research Institute of the Clothing Industry. Scientific Research Papers]
Nauch. soob. IGD (16h)	Moscow. Institut gornogo dela imeni A. A. Skochinskogo Nauchnye soobshcheniia [A. A. Skochinskii Institute o Mining. Scientific Reports]
Nauch. soob. VostNII (16h)	‡ Kemerovo. Vostochnyi nauchno-issledovatel'skii institu bezopasnosti rabot v gornoi promyshlennosti. Nauch soobshcheniia [Eastern Scientific Research Institute Mine Safety. Scientific Reports]
Nauch.-tekh. sbor. po dob. nefti (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii insti Nauchno-tekhnicheskii sbornik po dobyche nefti [All-Union Scientific Research Institute of Petroleum and Natural Gas. Scientific and Technical Papers on Petroleum Production]
Nauch. trudy GIDUV (14a)	Leningrad. Gosudarstvennyi institut usovershenstvovani vrachei. Nauchnye trudy [State Institute for Postgrad Training of Physicians. Studies]
Nauch. trudy MTILP (16g)	Moscow. Tekhnologicheskii institut legkoi promyshlennosti. Nauchnye trudy [Technological Institute of Light Industry. Studies]
Nauch. trudy Riaz. med. inst. (14a)	‡ Ryazan. Meditsinskii institut. Nauchnye trudy [Medical Institute. Studies]
Nauch. trudy SamMI (14a)	‡ Samarkand. Gosudarstvennyi meditsinskii institut. Nauc trudy [State Medical Institute. Studies]
Nauch. trudy Sev.-Zap. nauch.-issl. inst. sel'-khoz. (15a)	Leningrad. Severo-zapadnyi nauchno-issledovatel'skii sel'skogo khoziaistva. Nauchnye trudy [Northweste Scientific Research Institute of Agriculture. Studies
Nauch. trudy TashGU. Geog. nauki (12b)	Tashkent. Universitet. Nauchnye trudy. Geograficheс nauki [University. Studies. Geographical Sciences]
Nauch. trudy TashGU. IUrid. nauki (7)	‡ Tashkent. Universitet. Nauchnye trudy. IUridicheskie nauki [University. Studies. Juridical Sciences]
Nauch. trudy VNIIPodzemgaza (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut podzemnoi gazifikatsii uglei. Nauchnye trudy [All-Union Scientific Research Institute of Underground Coal Gasification. Studies]
Nauch. zap. Od. politekh. inst. (16a)	Odessa. Politekhnicheskii institut. Nauchnye zapiski [Polytechnic Institute. Studies]
Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]
Neftegaz. geol. i geofiz. (16h)	Neftegazovaia geologiia i geofizika [Petroleum and Gas Geology and Geophysics]
Nefteper. i neftekhim. (16h)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Nefteprom. delo (16h)	Neftepromyslovoe delo [Petroleum Production]
Nov. mir (11b)	Novyi mir [The New World]

Nov. tekh. zhil.-kom. khoz.: Gor. dor.-most. khoz. i transp. (16d)	‡Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva: Gorodskoe dorozhno-mostovoe khoziaistvo i transport [New Technology for Housing and Communal Services: Urban Road and Bridge Economy and Transportation]
Nov. tov. (5a)	Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
Nov. vrem. (6)	Novoe vremia [New Times]
Num. i epig. (4b)	Numizmatika i epigrafika [Numismatics and Epigraphy]
Obshchestv. nauki v Uzb. (1a)	Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]
Okeanologiia (12b)	Okeanologiia [Oceanology]
Okhr. prir. Sib. i Dal'. Vost. (13c)	‡Okhrana prirody Sibiri i Dal'nego Vostoka [Conservation in Siberia and the Far East]
Opt. i spektr. (13f)	Optika i spektroskopiia [Optics and Spectroscopy]
Ortop., travm. i protez. (14h)	Ortopediia, travmatologiia i protezirovanie [Orthopedics, Traumatology, and Prosthesis]
Otsen. mestorozh. pri poisk. i razved. (16h)	Otsenka mestorozhdenii pri poiskakh i razvedkakh [Evaluation of Deposits in Prospecting and Exploration]
Paraz. sel'khoz. zhiv. Kazakh. (15b)	‡Parazity sel'skokhoziaistvennykh zhivotnykh Kazakhstana [Parasites of Farm Animals of Kazakhstan]
Part. zhizn' Kazakh. (6)	Partiinaia zhizn' Kazakhstana [Party Life in Kazakhstan]
Part. zhizn' [Uzb.] (6)	Partiinaia zhizn' [Party Life]. Uzbekistan.
Pediatriia (14b)	Pediatriia [Pediatrics]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Plast. massy (16c)	Plasticheskie massy [Plastics]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]
Pratsi Od. un. Ser. filol. nauk (11a)	Odessa. Universytet. Pratsi. Seriia filologichnykh nauk [University. Transactions. Series in the Philological Sciences]
Prib. i tekh. eksp. (13f)	Pribory i tekhnika eksperimenta [Instruments and Experimental Techniques]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Prim. mat. v ekon. (5b)	Primenenie matematiki v ekonomike [Use of Mathematics in Economics]
Priroda (13a)	Priroda [Nature]
Probl. fiz. atm. (13f)	‡Problemy fiziki atmosfery [Problems of the Physics of the Atmosphere]
Prof.-tekh. obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]
Prom. energ. (16e)	Promyshlennaia energetika [Industrial Power]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]
Rad. lit. (11b)	Radians'ke literaturoznavstvo [Soviet Literary Review]
Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Ref. zhur.: Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur.: Avtom., telem. i vych. tekh. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]
Ref. zhur.: Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur.: Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts: Electronics and its applications]
Ref. zhur.: Elektrotekh. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
Ref. zhur.: Fotokinotekh. (16g)	Referativnyi zhurnal: Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Ref. zhur.: Geod. (13b)	Referativnyi zhurnal: Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]
Ref. zhur.: IAd. reak. (16e)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Ref. zhur.: Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts: Chemistry]
Ref. zhur.: Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur.: Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]
Ref. zhur.: Kommun., byt. i torg. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]
Ref. zhur.: Lesoved. i lesovod. (15c)	Referativnyi zhurnal: Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur.: Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur.: Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal: Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur.: Metr. i izm. tekh. (16a)	Referativnyi zhurnal: Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
Ref. zhur.: Nasosostr. i kompressorostr. (16g)	Referativnyi zhurnal: Nasosostroenie i kompressorostroenie (Otdel'nyi vypusk 61) [Journal of Abstracts: Manufacture of Pumps and Compressors (Separate Issue 61)]
Ref. zhur.: Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur.: Obor. pishch. prom. (16g)	Referativnyi zhurnal: Oborudovanie pishchevoi promyshlennosti (Otdel'nyi vypusk 38) [Journal of Abstracts: Equipment of the Food Industry (Separate Issue 38)]
Ref. zhur.: Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Ref. zhur.: Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
Ref. zhur.: Radiotekh. i elektrosviaz'	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Ref. zhur.: Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]
Ref. zhur.: Stroi. i dor. mash. (16g)	Referativnyi zhurnal: Stroitel'nye i dorozhnye mashiny (Otdel'nyi vypusk 60) [Journal of Abstracts: Construction Equipment and Road Machinery (Separate Issue 60)]
Ref. zhur.: Tekh. i obor. tsel.-bum. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiia i oborudovanie tselliulozno-bumazhnogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Woodpulp, Paper, and Printing Industry (Separate Issue 37)]
Ref. zhur.: Tekh. mashinostr. (16g)	Referativnyi zhurnal: Tekhnologiia mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Ref. zhur.: Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]

Ref. zhur.: Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur.: Turbostr. (16g)	Referativnyi zhurnal: Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air transportation]
Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistvie raznykh vidov transporta i konteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo. Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]
Sakh. prom. (16c)	Sakharnaia promyshlennost' [Sugar Industry]
Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. (16g)	‡ Kuybyshev. Sel'skokhoziaistvennyi institut. Fakul'tet mekhanizatsii sel'skogo khoziaistva. Studencheskoe nauchnoe obshchestvo. Sbornik dokladov [Agricultural Institute. Faculty of the Mechanization of Agriculture. Student Scientific Society. Reports]
Sbor. luch. rats. predl. (16h)	‡ Sbornik luchshikh ratsionalizatorskikh predlozhenii [Collection of the Best Suggestions of Innovators]
Sbor. nauch. rab. Arkh. IEMG (14a)	‡Archangel. Nauchno-issledovatel'skii institut epidemiologii, mikrobiologii i gigieny. Sbornik nauchnykh rabot [Scientific Research Institute of Epidemiology, Microbiology, and Hygiene. Papers]
Sbor. nauch. rab. DVNIIS (16d)	Vladivostok. Dal'nevostochnyi nauchno-issledovatel'skii institut po stroitel'stvu. Sbornik nauchnykh rabot [Far Eastern Scientific Research Institute for Construction. Papers]
Sbor. nauch. rab. IAr. med. inst. (14a)	‡Yaroslavl. Meditsinskii institut. Sbornik nauchnykh rabot [Medical Institute. Papers]
Sbor. nauch.-tekh. inform. (16a)	‡ Tajik S.S.R. Sovet Ministrov. Nauchno-tekhnicheskii komitet. Sbornik nauchno-tekhnicheskoi informatsii [Council of Ministers. Scientific and Technical Committee. Scientific and Technical Information]
Sbor. nauch. trud. Dnepr. inzh.-stroi. inst. (16d)	Dnepropetrovsk. Inzhenerno-budivel'nyi instytut. Sbornik nauchnykh trudov [Civil Engineering Institute. Papers]
Sbor. nauch. trud. Ivan. gos. med. inst. (14a)	Ivanovo. Ivanovskii gosudarstvennyi meditsinskii institut. Sbornik nauchnykh trudov [Ivanovo State Medical Institute. Papers]
Sbor. nauch. trud. KGRI (16h)	Krivoy Rog. Gornorudnyi institut. Sbornik nauchnykh trudov [Institute for Mining and Ore Dressing. Papers]
Sbor. nauch. trud. LISI (16d	Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik nauchnykh trudov [Civil Engineering Institute. Papers]
Sbor. post. VTSSPS (5d)	Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov. Sbornik postanovlenii [All-Union Central Council of Trade Unions. Decisions]
Sbor. rab. GMO CHAM (12b)	‡Gidrometeorologicheskaia observatoriia Chernogo i Azovskogo morei. Sbornik rabot [Hydrometeorological Observatory of the Black and Azov Seas. Papers]
Sbor. rab. po nemat. sel'-khoz. rast. (13c)	‡ Akademiia nauk SSSR. Zoologicheskii institut. Sbornik rabot po nematodam sel'skokhoziaistvennykh rastenii [Academy of Sciences of the U.S.S.R. Zoological Institute. Papers on Nematodes of Farm Crops]
Sbor. trud. GMI (14a)	Gorkiy. Gor'kovskii gosudarstvennyi meditsinskii institut. Sbornik trudov [Gorkiy State Medical Institute. Papers]
Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. (14e)	‡Tiflis. Gosudarstvennyi nauchno-issledovatel'skii institut kurortologii i fizioterapii. Sbornik trudov [State Scientific Research Institute of Health Resort and Physical Therapy. Papers]
Sbor. trud. LISI (16d)	Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik trudov [Civil Engineering Institute. Papers]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Sib. mat. zhur. (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Sil'. bud. (16d)	Sil's'ke budivnytstvo [Rural Construction]

Soob. Biur. obser. (13b)	Byurakan. Observatoriia. Soobshcheniia [Observatory. Reports]
Soob. Gos. Erm. (10a)	Leningrad. Ermitazh. Soobshcheniia [Hermitage. Rep
Sots. obesp. (5e)	Sotsial'noe obespechenie [Social Security]
Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. arkheol. (4b)	Sovetskaia arkheologiia [Soviet Archaeology]
Sov. geol. (12c)	Sovetskaia geologiia [Soviet Geology]
Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and La
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. lit. i fol'k. Bur. (11b)	Sovetskaia literatura i fol'klor Buriatii [Soviet Literatur and the Folklore of Buryatia]
Sov. muz. (9b)	Sovetskaia muzyka [Soviet Music]
Sov. pedag. (8a)	Sovetskaia pedagogika [Soviet Pedagogy]
Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. torg. (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Sov. zdrav. (14a)	Sovetskoe zdravookhranenie [Soviet Health Service]
Stal' (16h)	Stal' [Steel]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Standartizatsiia (16a)	Standartizatsiia [Standardization]
Stroi. i arkhit. (10b)	Stroitel'stvo i arkhitektura [Construction and Architectur
Stroi. i arkhit. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]
Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]
Sudovozhdenie (17b)	Sudovozhdenie [Navigation]
Svar. proizv. (16f)	Svarochnoe proizvodstvo [Welding Practice]
Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Svod. biul. nov. inostr. knig. Ser. B (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia B: Obshchestvennye nauki [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series B: Social Sciences]
Tekh. kino i telev. (9a)	Tekhnika kino i televideniia [Motion-Picture and Televisio Engineering]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agricultur
Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Teplofiz. vys. temp. (13f)	Teplofizika vysokikh temperatur [Thermophysics of High Temperatures]
Torf. prom. (16h)	Torfianaia promyshlennost' [Peat Industry]
Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
Transp. i khran. nefti (16h)	Transport i khranenie nefti [Transportation and storage of Petroleum]
Transp. i khran. nefti i nefteprod. (16h)	Transport i khranenie nefti i nefteproduktov [Transportation and Storage of Petroleum and Petroleum Products]
Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy AN Lit. SSR. Ser. B (1a)	Lietuvos TSR mokslu akademija, Vilna. Darbai. Serija B Trudy Akademii nauk Litovskoi SSR. Seriia B [Academ of Sciences of the Lithuanian S.S.R. Transactions. Series B]
Trudy Arm. NIIMESKH (15a)	‡Armianskii nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Trudy [Armenia Scientific Research Institute for the Mechanization and Electrification of Agriculture. Transactions]
Trudy BashNII NP (16c)	Ufa. Bashkirskii nauchno-issledovatel'skii institut po pererabotke nefti. Trudy [Bashkir Scientific Research Institute for Petroleum Refining. Transactions]
Trudy Biol. inst. Sib. otd. AN SSSR (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Biologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Biological Institute. Transaction
Trudy Bot. inst. Ser. 3 (13c)	Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seriia 3. Geobotanika [Academy of Sciences of the U.S.S.R. Botanical Institute. Transactions. Series 3. Geobotany]
Trudy Dush. med. inst. (14a)	Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]

Trudy GIN (12c)	Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
Trudy GPI [Gruz.] (16a)	Tiflis. Gruzinskii politekhnicheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
Trudy Giprotsement (16d)	Leningrad. Gosudarstvennyi vsesoiuznyi institut po proektirovaniiu i nauchno-issledovatel'skim rabotam tsementnoi promyshlennosti. Trudy [State All-Union Institute for Planning and Scientific Research in the Cement Industry. Transactions]
Trudy GrozNII (16h)	Grozny. Groznenskii neftianoi nauchno-issledovatel'skii institut. Trudy [Grozny Petroleum Research Institute. Transactions]
Trudy IGEM (12c)	Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
Trudy IMGRE (12c)	Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]
Trudy Inst.elek., avtom.i telem. AN Gruz.SSR (16e)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut elektroniki, avtomatiki i telemekhaniki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Electronics, and Automatic and Remote Control. Transactions]
Trudy Inst.etn. (12a)	Akademiia nauk SSSR. Institut etnografii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Ethnography. Transactions]
Trudy Inst.fiz. AN Gruz.SSR (13f)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut fiziki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Physics. Transactions]
Trudy Inst.fiziol. AN Kazakh.SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut fiziologii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Physiology. Transactions]
Trudy Inst.geol. nauk AN URSR. Ser.petr.,min.i geokhim. (12c)	Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia petrografii, mineralogii i geokhimii [Academy of Sciences of the Ukrainian S.S.R. Institute of Geological Sciences. Transactions. Petrographical, Mineralogical, and Geochemical Series]
Trudy inst.Kom. stand., mer i izm.prib. (16a)	Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]
Trudy Inst.kraev. med.AN Tadzh. SSR (14a)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut kraevoi meditsiny. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of Endemic Medicine. Transactions]
Trudy Inst.prikl. khim.i elektrokhim. AN Gruz.SSR (13d)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut prikladnoi khimii i elektrokhimii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Applied Chemistry and Electrochemistry. Transactions]
Trudy KF VNII (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Krasnodarskii filial. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas. Krasnodar Branch. Transactions]
Trudy KTIPP (16c)	Kiev. Tekhnologicheskii institut pishchevoi promyshlennosti. Trudy [Technological Institute of the Food Industry. Transactions]
Trudy KazNIGMI (13f)	Alma-Ata. Kazakhskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Kazakh Scientific Research Hydrometeorological Institute. Transactions]
Trudy Kras. NIISKH (15a)	Krasnoyarsk. Nauchno-issledovatel'skii institut sel'skogo khoziaistva. Trudy [Scientific Research Institute of Agriculture. Transactions]
Trudy MAI (16b)	Moscow. Aviatsionnyi institut imeni Sergo Ordzhonikidze. Trudy [Sergo Ordzhonikidze Aeronautical Institute. Transactions]
Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
Trudy Mat.inst. (13e)	Akademiia nauk SSSR. Matematicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute. Transactions]
Trudy Mekhanobr (16h)	Leningrad. Nauchno-issledovatel'skii i proektnyi institut mekhanicheskoi obrabotki poleznykh iskopaemykh. Trudy [Scientific Research and Planning Institute for the Mechanical Processing of Minerals. Transactions]
Trudy NIIStroi-keramiki (16d)	Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. Trudy [State Scientific Research Institute of Construction Ceramics. Transactions]
Trudy OMIIT (16g)	Omsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Engineers of Railroad Transportation. Transactions]
Trudy Paleont. inst. (12c)	Akademiia nauk SSSR. Paleontologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Paleontology. Transactions]
Trudy po prikl. bot.,gen.i sel. (15d)	Trudy po prikladnoi botanike, genetike i selektsii [Papers on Applied Botany, Genetics, and Plant Breeding]
Trudy Sred.-Az. nauch.-issl. gidrometeor.inst. (13f)	Sredneaziatskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Central Asia Hydrometeorological Research Institute. Transactions]
Trudy Stavr. sel'khoz.inst. (15a)	Stavropol. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Trudy TASHIIT (16g)	Tashkent. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy TSAO (13f)	TSentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]
Trudy TSIP (13f)	Moscow. TSentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Trudy TSIU (14a)	Moscow. TSentral'nyi institut usovershenstvovaniia vrachei. Trudy [Central Institute for Postgraduate Training of Physicians. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy TSNIIME (15c)	Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering. Transactions]
Trudy TSNII-Podzemshakht-stroia (16h)	TSentral'nyi nauchno-issledovatel'skii i proektno-konstruktorskii institut podzemnogo i shakhtnogo stroitel'stva. Trudy [Central Scientific Research and Design Institute for Underground and Mine Building. Transactions]
Trudy TSNIISP (16c)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut spirtovoi i likero-vodochnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Distilling and Liquor-Vodka Industry. Transactions]
Trudy Turk. sel'khoz.inst. (15a)	Ashkhabad. Turkmenskii sel'skokhoziaistvennyi institut. Trudy [Turkmen Agricultural Institute. Transactions]
Trudy VNIIMP (16f)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut miasnoi promyshlennosti. Trudy [All-Union Scientific Research Institute of the Meat Industry. Transactions]
Trudy VNIING (16h)	Volgograd. Nauchno-issledovatel'skii institut neftianoi i gazovoi promyshlennosti. Trudy [Scientific Research Institute for the Petroleum and Gas Industry. Transactions]
Trudy VNIIT (16c)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut pererabotki i ispol'zovaniia topliva. Trudy [All-Union Scientific Research Institute on the Processing and Utilization of Fuel. Transactions]
Trudy VNIIZ (15d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Trudy [All-Union Scientific Research Institute of Grain and Grain Products. Transactions]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
Trudy VSEGINGEO (12c)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy [All-Union Scientific Research Institute of Hydrogeology and Engineering Geology. Transactions]
TSement (16d)	TSement [Cement]
TSir.Astron.obser. Khar.un. (13b)	Kharkov. Universitet. Astronomicheskaia observatoriia. TSirkuliar [University. Astronomical Observatory. Circular]
TSitologiia (13c)	TSitologiia [Cytology]
Uch.zap.Chern. un.Ser.filol. nauk (11a)	Chernovtsy. Universytet. Uchenye zapiski. Seriia filologicheskikh nauk [University. Studies. Series in the Philological Sciences]
Uch.zap.IMO (6)	Moscow. Institut mezhdunarodnykh otnoshenii. Uchenye zapiski [Institute of International Relations. Studies]
Uch.zap.Inst. slav. (4a)	Akademiia nauk SSSR. Institut slavianovedeniia. Uchenye zapiski [Academy of Sciences of the U.S.S.R. Institute of Slavic Studies. Studies]
Uch.zap.KHGU (1a)	Kharkov. Universitet. Uchenye zapiski [University. Studies]
Uch.zap.Kish.un.; Mezhvuz.sbor.po polit.ekon. (5b)	Kishinev. Universitet. Uchenye zapiski; Mezhvuzovskii sbornik po politicheskoi ekonomii [University. Studies; Interuniversity Papers on Economics].
Uch.zap.MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]
Uch.zap.MGPIIIA (11a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov. Uchenye zapiski [Moscow State Pedagogical Institute of Foreign Languages. Studies]
Uch.zap.Orlov. gos.ped.inst. (1a)	Orel. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Ugol' (16h)	Ugol' [Coal]
Ukr.biokhim. zhur. (13c)	Ukrains'kyi biokhimichnyi zhurnal [Ukrainian Biochemical Journal]
Ukr.bot.zhur. (13c)	Ukrains'kyi botanichnyi zhurnal [Ukrainian Botanical Journal]
Ukr.mat.zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]

Uskoriteli (13f)	‡ Moscow. Inzhenerno-fizicheskii institut. Uskoriteli [Institute of Engineering Physics. Accelerators]
Usp.fiz.nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Usp.sovr.biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Uzb.khim.zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]
Ved.Verkh.Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved.Verkh.Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest.AMN SSSR (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S.R. Journal]
Vest.AN Kazakh. SSR (1a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Vestnik [Academy of Sciences of the Kazakh S.S.R. Journal]
Vest.AN SSSR (1a)	Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Vest.derm.i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest.khir. (14h)	Vestnik khirurgii [Review of Surgery]
Vest.LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Vest.mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest.Mosk.un. Ser.3: Fiz., astron. (13f)	Moscow. Universitet. Vestnik. Seriia 3: Fizika, astronomiia [University. Review. Series 3: Physics, Astronomy]
Vest.Mosk.un. Ser.7: Filol., zhur. (11b)	Moscow. Universitet. Vestnik. Seriia 7: Filologiia, zhurnalistika [University. Review. Series 7: Philology, Journalism]
Vest.Mosk.un. Ser.9: Ist. (4a)	Moscow. Universitet. Vestnik. Seriia 9: Istoriia [University. Review. Series 9: History]
Vest.sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Vest.stat. (5b)	Vestnik statistiki [Statistical Review]
Vest.TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Vest.Tbil.bot. sada (13c)	Tiflis. Botanicheskii sad. Vestnik [Botanical Garden. Journal]
Vest.vys.shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Vestsi AN BSSR. Ser.hram.nav. (1a)	Akademiia navuk BSSR, Minsk. Seryia hramadskikh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Social Sciences]
Vestsi AN BSSR. Ser.sel'hasp. nav. (15a)	‡ Akademiia navuk BSSR, Minsk. Vestsi. Seryia sel'skahaspadarchykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Agricultural Sciences]
Veterinariia (15b)	Veterinariia [Veterinary Medicine]
Vnesh.torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Voen.-ist.zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
Voen.vest. (17a)	Voennyi vestnik [Military Review]
Vop.ekon. (6b)	Voprosy ekonomiki [Problems of Economics]
Vop.filos. (3a)	Voprosy filosofii [Problems of Philosophy]
Vop.geotekh. (16d)	‡ Voprosy geotekhniki [Problems of geotechnology]
Vop.gidr. (16d)	Voprosy gidrotekhniki [Problems of Hydraulic Engineering]
Vop.iaz. (11a)	Voprosy iazykoznaia [Problems of Linguistics]
Vop.ikht. (13c)	Voprosy ikhtiologii [Problems in Ichthyology]
Vop.ist. (4a)	Voprosy istorii [Problems of History]
Vop.ist.KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Vop.kosm. (13b)	Voprosy kosmogonii [Problems in Cosmogony]
Vop.kul't.rechi (11a)	Voprosy kul'tury rechi [Problems in Speech Culture]
Vop.kur., fizioter. i lech.fiz.kul't. (14e)	Voprosy kurortologii, fizioterapii i lechebnoi fizichesko kul'tury [Problems of Resort Therapy, Physical Thei and Exercise Therapy]
Vop.med.khim. (14f)	Voprosy meditsinskoi khimii [Problems of Medical Chemistry]
Vop.med.virus. (14e)	‡ Voprosy meditsinskoi virusologii [Problems of Medical Virology]
Vop.neirokhir. (14h)	Voprosy neirokhirurgii [Problems of Neurosurgery]
Vop.okh.mat.i det. (14b)	Voprosy okhrany materinstva i detstva [Problems of Mother and Child Care]
Vop.paleont. (12c)	Voprosy paleontologii [Problems of Paleontology]
Vop.raket.tekh. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Fore Periodical Literature]
Vrach.delo (14a)	Vrachebnoe delo [Medical Practice]
Vsem.prof. dvizh. (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Vysokom.soed. (13d)	Vysokomolekuliarnye soedineniia [Macromolecular Compounds]
Zap.LGI (16h)	Leningrad. Gornyi institut. Zapiski [Institute of Mining. Records]
Zarub.radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroa
Zashch.rast.ot vred.i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plan Against Diseases and Pests]
Zav.lab. (16h)	Zavodskaia laboratoriia [The Factory Laboratory]
Zdrav.Bel. (14a)	Zdravookhranenie Belorussii [Health Service of White Rus
Zdrav.Kazakh. (14a)	Zdravookhranenie Kazakhstana [Health Service of Kazakhstan]
Zdrav.Turk. (14a)	Zdravookhranenie Turkmenistana [Health Service of Turkmenistan]
Zdravookhranenie (14a)	Zdravookhranenie [Health Service]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhivotnovodstvo (15b)	Zhivotnovodstvo [Animal Husbandry]
Zhur.anal.khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Zhur.eksp.i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zhur.fiz.khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry
Zhur.mikrobiol., epid.i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
Zhur.Mosk.Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Zhur.nevr.i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropatho ogy and Psychiatry]
Zhur.ob.biol. (13c)	Zhurnal obshchei biologii [Journal of General Biology]
Zhur.prikl.khim. (16c)	Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
Zhur.tekh.fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhur.ush., nos.i gorl.bol. (14d)	Zhurnal ushnykh, nosovykh i gorlovykh boleznei [Journal of Ear, Nose, and Throat Diseases]
Znamia (11b)	Znamia [The Banner]
Zool.zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]
Zvezda (11b)	Zvezda [The Star]

SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

ACS SERUM see Antireticular cytotoxic serum

ACTH

Changes in the hypophysis and adrenal cortex under the influence of ACTH. T.N.Suchugova. Nauch.trudy Riaz.med.inst. 15:134-135 '62.

Diagnostic value of Thorn test. L.D.Grinshpun, E.V. Kleisman, V.S.Dubrovskaia. Lab.delo no.5:265-267 '64.

Dynamics of some peripheral blood indices and daily excretion of 17-ketosteroids with the urine of healthy children under the effect of a single administration of ACTH. P.D.Kats, S.A.Dzhafarova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1:109-115 '63.

Effect of caffeine on the cardiac activity of frogs following administration of ACTH. V.N.Morozov. Nauch.trudy Riaz.med.inst. 15:63-71 '62.

Effect of sodium salicylate used with cortisone and ACTH on the isolated heart of a frog. I.V.Susnina. Nauch.trudy Riaz.med.inst. 14:228-232 '63.

Indicators of the functional state of the adrenal cortex before and after the administration of ACTH in practically healthy people. A.F.Fedosov, IU.I.Bogdanov. Nauch.trudy Riaz.med.inst. 15:141-143 '62.

Serum protein fractions in sensitized rabbits (in the dynamics of Arthus' phenomenon) and the influence of ACTH exerted on them. K.S.Suleimanov. Nauch.trudy SamMI 21:140-151 '62.

ABAY—DISORDERLY CONDUCT

Leisure time in the city of Abay. G.Lugovoi. Part. zhizn' Kazakh. 31[i.e. 32] no.8:54-57 Ag '62.

ABBAS SIKHKHAT, MEKHTI-ZALE, 1874-1918

Talybzade, K.A. Abbas Sikhkhat. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 134 p.

ABDOMEN—BLOOD SUPPLY

Development of collateral circulation following exclusion of the abdominal aorta. O.R.Radzilevs'kyi. Dop. AN URSR no.3:390-394 '64.

ABDOMEN—DISEASES

Characteristics of the course of acute surgical diseases of abdominal organs in diabetes [with summary in English]. V.D.Sokolovskii. Vest.khir. 90 no.5:68-75 My '63.

Diagnosis and treatment of acute surgical diseases of abdominal organs in patients with burns [with summary in English]. A.N.Orlov. Vest.khir. 90 no.5:83-88 My '63.

ABDOMEN—SURGERY

Characteristics of the course of acute surgical diseases of abdominal organs in diabetes [with summary in English]. V.D.Sokolovskii. Vest.khir. 90 no.5:68-75 My '63.

Diagnosis and treatment of acute surgical diseases of abdominal organs in patients with burns [with summary in English]. A.N.Orlov. Vest.khir. 90 no.5:83-88 My '63.

Postoperative pancreatitis in surgical practice [with summary in English]. A.N.Shabanov, S.M.Mikirtumov, V.I.Nozhevnikova. Khirurgiia 39 no.6:56-62 Je '63.

Teratoma of the abdominal cavity in a 41/2-month-old infant. Vest.khir. 90 no.5:120-122 My '63.

ABDOMEN—TUMORS

Case of erroneous surgery in a patient with hemophilia. N.G.Shykalev-Katanov, L.I. Kareinyi. Vest.khir. 90 no.5:139 My '63.

Splenoportography and hepatography as a method of determining the operability of tumors in the epigastric region. A.A.Chervinskii, A.D.Sevast'ianova. Vest.khir. 90 no.5:130-136 My '63.

Teratoma of the abdominal cavity in a 41/2-month-old infant. Vest.khir. 90 no.5:120-122 My '63.

ABDOMINAL AORTA—DISEASES

Case of perforation of an atherosclerotic aneurysm of the abdominal aorta into the duodenum. IU.G.Papunts. Khirurgiia no.1:127-128 '63.

ABDOMINAL AORTA—INNERVATION

Development of the nervous apparatus of the large human arteries in embryogenesis [with summary in English]. L.I.Belenko. Arkh.anat.,gist.i embr. 43 no.12:42-49 D '62.

ABDOMINAL AORTA—SURGERY

Severing the abdominal aorta with late complete restoration of the main blood flow. G.L.Ratner. Khirurgiia no.1:121-123 '63.

ABDULLAEV, MIKAIL

Mikail Abdullaev. M.Nadzhafov. Iskusstvo 26 no.12:12-19 '63.

ABELIAN GROUPS

Existence of Abelian subgroups of infinite rank in locally solvable groups. IU.M.Gorchakov. Dokl.AN SSSR 156 no.1:17-20 My '64.

Free resolutions at the crossing of primitive classes of algebras. T.M.Baranovich. Dokl.AN SSSR 155 no.4:727-729 Ap '64.

Irreducible representations of finite metabelian p-groups. M.N.Vislavskii. Izv.vys.ucheb.zav.; mat. no.1:14-18 '64.

Representations of finite Abelian groups by substitutions. E.M.Zhmud'. Uch.zap.KHGU 115:131-134 '61.

ABILITY GROUPING IN EDUCATION

A timely raised question. M.S.Baron, M.Z.Rivna, A.Stroieva. Rad.shk. 42 no.2:106-107 F '64.

ABNORMALITIES (PLANTS)

Abnormalities in plants caused by the herbicide 2, 4-D. V.A.Alabushev. Nauch.dokl.vys.shkoly; biol.nauki no.2:142-145 '64.

Cauliflory in an apple tree. G.M.Levin. Priroda 53 no.5:101 '64.

Deviations in the structure of barley flowers. T.I. Strel'chenko, I.V.Koval'. Ukr.bot.zhur. 20 no.5:93-95 '63.

ABOMASUM—SECRETIONS

Mechanism of secretion in the abomasum of sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst. fiziol.AN Kazakh.SSR 5:39-47 '63.

ABORTION

Experimental basis for novocaine therapy in threatened abortion. O.V.Maslovskaia. Kaz.med.zhur. no.6:48-50 N-D '62.

Interrupted pregnancy during the late period due to intra-amniotic administration of rivanol. N.S.Cherkasova. Nauch.trudy Riaz.med.inst. 15:164-172 '62.

ABRAMOV, ALEKSANDR

In the name of friendship. V.Baranov. Nov.mir 40 no.3:243-248 Mr '64.

ABRASION

Certain temperature-condition problems of cone bits. L.A.Alekseev, M.IA.Berkovich. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:103-105 '63.

ABSORBENTS

Processes of regeneration of moisture absorbents in a cyclone-froth apparatus. S.A.Bogatykh. Zhur.prikl. khim. 37 no.4:851-860 Ap '64.

ABSORBENTS—COOLING

Place for the intermediate cooling of an absorbent. A.A. Kuznetsov, E.N.Sudakov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:63-66 '64.

ABSORPTION (PHYSIOLOGY)

Development and absorption capacity of the root system of herbaceous plants as related to the tillage methods of Podzolic soils. N.A.Vedeneeva. Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz. no.5:257-273 '63.

ABSORPTION OF SOUND

Absorption coefficient and rate of propagation of ultrasonic waves in binary mixtures of formic acid - ethyl formate. B.A.Belinskii, V.F.Nozdrev, P.K.Khabibullaev. Akust.zhur. 10 no.1:112-114 '64.

ABSORPTION OILS

Highly refined petroleum oil for summer spraying (sulfonated solar distillate from Balakhany petroleum). S.F.Bezuglyi, V.S.Lukanina. Khim.v sel'.khoz. 2 no.3:27-29 Mr '64.

ABSORPTION SPECTRA

Comparison of extinction spectra measured with different SF-4 meters. L.I.Shabalin, L.P.Petrova. Zav.lab. 30 no.5:551-552 '64.

Effect of the type of aromatic amines (primary, secondary, and tertiary) and their o, m and p derivatives on the absorption spectra. P.M.Bugai and others. Zhur.fiz.khim. 37 no.3:652-655 Mr '63.

ABSTRACT ALGEBRA see Algebra, Abstract

ABSTRACT ART see Art, Abstract

ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R.

The last twenty years of the Academy of Sciences [In Armenian with summary in Russian]. G.Kh.Buniatian. Ist.-filol.zhur. no.4:3-14 '63.

ACADEMY OF SCIENCES OF THE KAZAKH S.S.R.

Party organization of a research institution. B.Nusupbaev, Sh.Kabulov. Part.zhizn' Kazakh. 31[i.e. 32] no.8:51-54 Ag '62.

ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R.

Brief news [In Lithuanian and Russian]. Trudy AN Lit. SSR.Ser.B no.1:231-232 '63.

ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R.

Principal directions of research and structure of the Academy of Sciences of the Moldavian S.S.R. Vest. AN SSSR 34 no.2:3-12 F '64.

ACADEMY OF SCIENCES OF THE U.S.S.R.

Biological studies at the Annual Assembly of the Departments of the Academy of Sciences of the U.S.S.R. V.G.Kocherezhkin. Izv.AN SSSR.Ser.biol. no.3:482-489 My-Je '64.

General Assembly of the Division of General and Technical Chemistry of the Academy of Sciences of the U.S.S.R. Izv.AN SSSR.Ser.khim. no.4:777-780 Ap '64.

Session of the General Assembly of the Academy of Sciences of the U.S.S.R. V.G.Kocherezhkin. Izv. AN SSSR.Ser.biol. no.3:490-492 My-Je '64.

ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.

Coordination activity of the Academy of Sciences of the Ukrainian S.S.R. Dop.AN URSR no.4:553-554 '64.

Discussion of the report on the scientific activities of the Academy of Sciences of the Ukrainian S.S.R. in 1963. Dop. AN URSR no.4:436-438 '64.

Discussion of the reports by the Vice President of the Academy of Sciences of the Ukrainian S.S.R., V.S. Hutyr and the Deputy Head of the Ukrainian Soviet of National Economy. H.I.Vilesov. Dop.AN URSR no.4:439-441 '64.

General Meetings of the Academy of Sciences of the Ukrainian S.S.R. Dop.AN URSR no.4:427 '64.

Improvement in the organization of scientific information in the institutions of the Academy of Sciences of the Ukrainian S.S.R. Dop.AN URSR no.3:417 '64.

Reorganization of the scientific institutions of the Academy of Sciences of the Ukrainian S.S.R. Dop.AN URSR no.4:558 '64.

Session of the Council of the Academy of Sciences of the Ukrainian S.S.R. on the problem "High-temperature thermophysics." A.Satanovskii. Teplofiz.vys.temp. 1 no.2:321-323 S-O '63.

ACCELERATION (PHYSIOLOGY)

Functional state of the equilibrium organ in white rats raised under conditions of daily accelerations. A.A. Giurdzhian, Z.I.Apanasenko. Dokl.AN SSSR 156 no.1:226-227 My '64.

ACCLIMATIZATION
(see also subdivision under Russia, Northern)

Results of a study on the preventive significance of the hardening of the human body by sea baths. D.G. Dateshidze, L.P.Dzhikiia. Sbor.trud.Gos.nauch.-issl. inst.kur.i fizioter. 26:45-51 '63.

ACCOUNTING
(see also subdivision under Alma-Ata)

Experience in the use of operational accounting for the production results at the "Lenin Order" Fur Combine in Kazan. IU.S.Komissarenko. Kozh.-obuv.prom. 6 no.2:19-23 F '64.

Kruk, D.M. [Intraplant business accounting] Vnutrizavodskii khozraschet. Moskva, Izd-vo "Finansy," 1964. 100 p.

ACCOUNTING—STUDY AND TEACHING

Andzans, K. [Fundamentals of bookkeeping] Gramatvedibas pamati. Riga, Latvijas Valsts izd-ba, 1963. 174 p. [In Latvian]

ACCOUNTING MACHINES

Mechanizing accounting work. Transp.i khran.nefti no.11:40-41 '63.

ACCUSATION see Indictments

ACENES

Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. Part 1. S.I.Bass, A.M.Zil'berbrandt, A.A.Berlin. Zhur.fiz.khim. 37 no.3:682-685 Mr '63.

ACETALDEHYDE

Nature of the initiator and the phase state of acetaldehyde as influencing the chemical structure of macromolecules formed during acetaldehyde polymerization. I.M. Papisov and others. Dokl.AN SSSR 156 no.3:669-672 '64.

Oscillographic determination of acetaldehydes and crotonaldehydes present together [with summary in English]. G.V.Taneeva, V.P.Gladyshev. Zhur.anal.khim. 19 no.1:138-139 '64.

Synthesis of cyclic chloroacetaldehydes [with summary in English]. B.H.IAsnyts'kyi, S.A.Sarkysiants, E.H.Ivaniuk. Dop.AN URSR no.2:229-232 '64.

ACETALS

Exchange reaction of β-chloroethylalkyl acetals with organomagnesium compounds. M.R.Kulibekov. Azerb.khim.zhur. no.1:63-68 '64.

ACETAMIDE—THERAPEUTIC USE

Effect of syntomycin on immunogenesis. L.P.Guseva. Sbor.nauch.rab.Arkh.IEMG no.4:37-41 '60.

Treatment of experimental typhoid fever in white mice with syntomycin. L.P.Guseva. Sbor.nauch.rab.Arkh.IEMG no.4:33-36 '60.

ACETAMIDE—TOXICOLOGY

Inducing tumors in the rat liver with thioacetamide [with summary in English]. A.I.Bykoriez, B.L.Rubenchyk. Dop.AN URSR no.2:257-260 '64.

ACETANILIDE

Polymers with a conjugation system. Report No.56: Synthesis and study of the properties of a polymer based on bisnitrosoacetylbenzidine. A.A.Berlin, B.I.Liogon'kii, V.P.Parini. Izv.AN SSSR.Ser.khim. no.4:705-709 Ap '64.

ACETATES

Synthesis of silicon-containing unsaturated acetates. E.M.Khalilova, R.Sultanov, S.I.Sadykhzade. Azerb.khim.zhur. no.1:97-103 '64.

ACETIC ACID

a,a',a"-Triaminedibenzyldiphenylmethane-N,N,N',N",N"-hexaacetic acid. R.P.Lastovskii, I.D.Kolpakova. Metod.poluch.khim.reak.i prepar. no.6:73-74 '62.

Case of unusual addition of diazoacetic ester to ketones. N.P.Gambarian, L.A.Simonian, I.L.Knuniants. Dokl.AN SSSR 155 no.4:833-835 Ap '64.

Determination of bilirubin by the trichloroacetic acid reaction. L.L.Gromashevskaia, Z.P.Gette. Lab.delo 9 no.4:26-28 Ap '63.

Disodium salt of magnesium ethylenediaminetetraacetate. R.P.Lastovskii and others. Metod.poluch.khim.reak.i prepar. no.6:83-84 '62.

Disodium salt of zinc ethylenediaminetetraacetate. R.P. Lastovskii and others. Metod.poluch.khim.reak.i prepar. no.6:84-86 '62.

m-Phenylenediamine-N,N,N',N'-tetraacetic acid. R.P.Lastovskii, I.D.Kolpakova, N.I.Ivanova. Metod.poluch.khim.reak.i prepar. no.6:72-73 '62.

Resin formation in the reaction of diaryl alkanes with trichloroacetic acid [with summary in English]. V.F. Lavrushin, L.N.Pintova. Vysokom.soed. 6 no.3:499-503 Mr '64.

Spun acetate fibers from viscous solutions of acetic acid. L.P.Perepechkin, V.A.Troitskaia. Khim.volok. no.2:55-57 '64.

Trilonometric determination of calcium and magnesium in the cerebrospinal fluid and other biological fluids. N.V.Studmak, M.I.Gultur, E.M.Khudoshina. Lab.delo 8 no.9:55-59 S '62.

ACETOACETIC ACID

2-Aminothiazolediacetic acid and 2-amino-6-methoxybenzothiazolediacetic acid. V.G.IAshunskii, V.V.Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:80-82 '62.

Benzhydrylamine-N,N-diacetic acid. R.P.Lastovskii, I.D.Kolpakova, E.I.Mironova. Metod.poluch.khim.reak.i prepar. no.6:63-65 '62.

3-Hydroxy-4-carboxyphenyliminodiacetic acid. R.P. Lastovskii, V.IA.Temkina, E.I.Mironova. Metod.poluch.khim.reak.i prepar. no.6:70-71 '62.

o-Hydroxyphenyliminodiacetic acid. R.P.Lastovskii, V.IA.Temkina, L.M.Samylova. Metod.poluch.khim.reak.i prepar. no.6:67-68 '62.

p-Hydroxyphenyliminodiacetic acid. R.P.Lastovskii, V.IA.Temkina, L.M.Samylova. Metod.poluch.khim.reak.i prepar. no.6:68-70 '62.

Iminodiacetic acid. R.P.Lastovskii, V.IA.Temkina, I.P.Fadeeva. Metod.poluch.khim.reak.i prepar. no.6:59-60 '62.

2,6,7-Trihydroxy-9-(2'-hydroxyphenyl)-3-fluorone-5,3'-bismethyliminodiacetic acid. R.P.Lastovskii, V.V. Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:78-79 '62.

ACETONE

Effect of the acetone content in a solvent on dewaxing. V.S.Akimov, D.O.Gol'dberg, M.I.Efremova. Trudy BashNII NP no.6:112-122 '63.

Gathering and using a solvent enriched by acetone in a dewaxing unit. A.P.Belogradskii, A.M.Shevtsov. Nefteper.i neftekhim. no.4:13-14 '64.

Properties of the field of demixing of ternary systems comprising one preponderant binary system. Part 4. R.V.Mertslin, N.I.Nikurashina, L.A.Kamaevskaia. Zhur.fiz.khim. 36 no.11:2491-2495 N '62.

ACETYLATION

Acetylation of xylotrihydroxy glutaric acid. U.S.Bokov, IA.IA.Makarov-Zemlianskii. Nauch.trudy MTILP no.26:81-85 '62.

ACETYLCHOLINESTERASE

Distribution of acetylcholinesterase in the taste bulbs of some vertebrates. R.A.Pevzner. Dokl.AN SSSR 155 no.4:930-932 Ap '64.

ACETYLENE

Effect of carbonic acid on the solubility of acetylene in acetone and methanol at low temperatures. I.P.Usiukin and others. Nefteper.i neftekhim. no.11:35-40 '63.

Hardening in obtaining acetylene from hydrocarbon raw materials. A.S.Lapidus. Nefteper.i neftekhim. no.11:31-35 '63.

Mechanism of the conversion of methane to acetylene in electrical discharges. Part 2 [with summary in English]. E.N.Borisova, E.N.Eremin. Zhur.fiz.khim. 36 no.11:2334-2339 N '62.

Mechanism of the cyclic trimerization of acetylenes on complex organometallic catalysts. V.O.Reikhsfel'd, K.L.Makovetskii. Dokl.AN SSSR 155 no.2:414-417 Mr '64.

Obtaining acetylene by high-temperature pyrolysis in tubestills. O.I.Lapitskaia, K.A.Zubkova. Trudy BashNII NP no.6:186-194 '63.

Partial molar volumes and volatility of the mixture acetylene and ammonia. S.M.Khodeeva. Khim.prom. no.3:196-198 Mr '64.

ACETYLENE—SAFETY MEASURES

Danger of acetylene explosion and explosionproof electrical equipment. IU.M.Ribas. Prom.energ. 19 no.4:31-35 Ap '64.

Volkov, A.E., and A.S.Lapidus. [Safety measures in the production of acetylene from natural gas] Tekhnika bezopasnosti v proizvodstve atsetilena iz prirodnogo gaza. Moskva, Izd-vo "Khimiia," 1964. 148 p.

ACETYLENE COMPOUNDS

Kinetics of acetylenic hydrocarbon polymerization initiated by azoisobutyric acid dinitrile. I.M.Barkalov, V.I.Gol'danskii, Go Min'-gao [Kuo Min-kao]. Dokl.AN SSSR 155 no.4:883-885 Ap '64.

Synthesis of polyesters containing triple bonds in the chain. A.M.Sladkov and others. Dokl.AN SSSR 155 no.5:1140-1143 Ap '64.

ACETYLIDES

Spectral sensitization by dyes of the intrinsic photoeffect of copper phenylacetylide. V.S.Myl'nikov, A.N.Terenin. Dokl.AN SSSR 155 no.5:1167-1170 Ap '64.

ACIDS

Colorimetric determination of free alkalies and acids in the preparations barbamyl and sodium ethaminal [with summary in English]. V.E.Egert, A.A.IUrka. Apt.delo 11 no.5:43-47 S-O '62.

Extraction of acids [with summary in English]. F.D. Shevchenko. Dop.AN URSR no.4:511-513 '64.

High-frequency titration. Report No.10: Titration of acids in dioxane-aqueous media [with summary in English]. V.A.Zarinskii, I.A.Gur'ev. Zhur.anal.khim. 19 no.1:37-42 '64.

ACIDS, FATTY

Adsorption of fatty acids at the solution interface with air and mercury. R.I.Kaganovich, V.M.Gerovich, T.G.Osetova. Dokl.AN SSSR 155 no.4:893-896 Ap '64.

Continuous and periodic oxidation of liquid paraffins to produce synthetic fatty acids. P.I.Igonin and others. Trudy GrozNII no.15:303-322 '63.

Effect of aliphatic acids on the structure of the trypsin molecule. V.V.Mosolov. Dokl.AN SSSR 155 no.4:953-956 Ap '64.

Effect of the length of the hydrocarbon chain of fatty acid soaps on the parameters of the interphase layers in butadiene-styrene latexes. V.L.Kuznetsov, A.B. Lebedev. Kauch.i rez. 23 no.3:30-33 Mr '64.

Extraction-dichromate micromethod for determining higher fatty acids [with summary in English]. A.P. Levyts'kyi, M.P.Bulats'kyi. Ukr.biokhim.zhur. 35 no.1:120-128 '63.

Fatty acids of soil yeasts. K.P.Groshnykh, E.V.Diatlovitskaia, L.D.Bergel'son. Izv.AN SSSR.Ser.khim. no.4:752-755 Ap '64.

New method for determining fatty acids content of saponified oils. A.P.Kreshkov and others. Masl.-zhir.prom. 30 no.3:26-28 Mr '64.

Synthesis and analysis of alkyd resins based on synthetic fatty acids and cotton soapstock acids. I.F.Zamesova, A.L.Markman. Masl.-zhir.prom. 30 no.3:9-14 Mr '64.

ACIDS, ORGANIC

Effect of vitamin A on the content of pyridine nucleotides, pyruvic and lactic acids and on anaerobic phosphorylation in animal tissues [with summary in English]. K.M. Leuts'kyi, V.O.Lyvko. Ukr.biokhim.zhur. 35 no.1:19-24 '63.

Magnetic susceptibility of vanadyl compounds with carboxylic acids. V.V.Zelentsov, V.T.Kalinnikov. Dokl.AN SSSR 155 no.2:395-397 Mr '64.

Preparation of carboxylic acids by one-stage oxidation of polymethylbenzenes in bubble columns. V.B.Fal'kovskii and others. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:122-126 '64.

Strength of acids in hexyl and tertiary butyl alcohols. N.V.Lichkova, V.I.Dulova. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:10-14 '64.

Synthesis of esters (plasticizers) based on cyclohexanol and synthetic acids. B.K.Zeinalov, R.M.Aliev. Azerb.khim.zhur. no.1:89-94 '64.

ACORNS see subdivision under White Russia

ACOUSTIC FIELDS

Integral representation of the field of a point source in a moving medium. L.M.Liamshev. Akust.zhur. 10 no.1:124-126 '64.

ACOUSTIC FIELDS—MEASUREMENT

Absolute measurements of ultrasonic fields in solids. I.G.Mikhailov, V.A.Shutilov. Akust.zhur. 10 no.1:98-103 '64.

ACOUSTICAL MATERIALS

Characteristics of gluing from plastics. V.M.Khrulev. Stroi.mat. 10 no.1:8-9 Ja '64.

ACRIDINE

Interrupted pregnancy during the late period due to intra-amniotic administration of rivanol. N.S.Cherkasova. Nauch.trudy Riaz.med.inst. 15:164-172 '62.

Intra-amniotic administration of rivanol in protracted and almost completed pregnancy. N.S.Cherkasova. Nauch.trudy Riaz.med.inst. 15:172-175 '62.

ACRIDINE ORANGE

Protective effect of acridine orange in ultraviolet irradiation of the infectious DNA of 1 φ-7 bacteriophage. G.B. Zavil'gel'skii and others. Dokl.AN SSSR 155 no.4:937-939 Ap '64.

ACROBATICS

Kurchakov, B.M. [Acrobatic pyramids] Akrobaticheskie piramidy. Kirov, Kirovskii gos. pedagog. in-t im. V.I. Lenina, 1963. 53 p.

[MICROFILM]

ACROLEIN

Polymerization of meta-acrolein with anion catalysts. M.M.Koton, I.V.Andreeva, IU.P.Getmanchuk. Dokl.AN SSSR 155 no.4:836-838 Ap '64.

ACRYLAMIDE

Need for polyacrylamide specifications. A.V.Berkuta. Bum.prom. no.1:20 Ja '64.

Polyacrylamide and its derivatives [with summary in English]. M.N.Savitskaia, IU.D.Kholodova. Vysokom.soed. 6 no.3:493-498 Mr '64.

Polymerization of substituted N-phenylacrylamides. Part 6 [with summary in English. Kun De-chzhen [K'ung Tieh-chang] and others. Vysokom.soed. 6 no.1:149-152 Ja '64.

ACRYLIC ACID

Effect of the chemical structure of unsaturated esters on their ability to polymerize. Part 2: Substituted acrylates and methacrylates [with summary in English]. A.I. Volkova, M.M.Koton. Vysokom.soed. 6 no.3:480-483 Mr '64.

ACRYLIC ACID (Continued)

Copolymers of vinyl ethers. Report No.4: Stereospecific copolymerization of vinyl ethers with methyl acrylate and methyl methacrylate at room temperature. [illegible], A.V.Bogdanova, M.F.Shostakovskii. Izv.AN SSSR.Ser.khim. no.4:707-715 Ap '64.

Quantitative determination of methyl acrylate by means of [illegible] [with summary in English]. A.P. [illegible]. Zhur.anal.khim. 19 no.1:135-13[illegible] '64.

Study of the polymerization kinetics of polyacrylates by the methods of electric conductivity, infrared spectroscopy, and viscosimetry [with summary in English]. V.I.Eiskgalter and others. Vysokom.soed. 6 no.1:116-121 Ja '64.

ACRYLONITRILE

Photochemical graft copolymerization of acrylonitrile to capron fiber [with summary in English]. K.A.Korniev and others. Dop.AN URSR no.2:224-226 '64.

Radiation-induced polymerization in the solid phase. Part 1: Polymerization of acrylonitrile [with summary in English]. I.M.Barkalov and others. Vysokom.soed. 6 no.1:92-97 Ja '64.

ACRYLONITRILE POLYMERS—ELECTRIC PROPERTIES

Effect of orientation on the electrical properties of heat-treated polyacrylonitrile [with summary in English]. A.V.Airapetiants and others. Vysokom.soed. 6 no.1:85-88 Ja '64.

ACTING

A man with a big plan. Ruben Simonov. Isk.kino 34 no.1:5-9 '64.

What is the meaning of "my role." M.Levovoi. Isk.kino 34 no.2:99-100 '64.

ACTING—STUDY AND TEACHING see subdivision under Moscow

ACTINOMETRY

(see also subdivision under Voyeykovo (Leningrad Province)

Making allowance for the temperature dependence of the conversion factors of actinometric instruments. K.D. Lebedeva, S.I.Sivkov. Trudy GGO no.112:116-127 '63.

ACTINOMYCES

Biology of actinomyces of the Fradiae group [with summary in English]. A.G.Kuchaeva and others. Izv.AN SSSR.Ser.biol. no.2:261-269 Mr-Ap '63.

Cytochemical study of nuclear elements in actinomycetes. Z.H.Shamina. Izv.AN SSSR.Ser.biol. no.3:460-464 My-Je '64.

Transformation of the antibiotic formation in actinomycetes with the help of DNA. H.P.Matseliukh. Dokl. AN SSSR 154 no.3:710-713 Ja '64.

Utilization of intracellular substrates by actinomycetes in the absence of external sources of nutrition. A.M. Bezborodov, L.A.Domracheva. Nauch.dokl.vys. shkoly: biol.nauki no.2:162-165 '64.

ACTINOMYCES—CULTURES AND CULTURE MEDIA

Study of some physiological peculiarities of Act. fradiae 129. O.Z.Grabovskaia, M.M.Levitov. Antibiotiki 8 no.8:705-712 Ag '63.

ACTINOMYCIN

Role of a DNA-dependent synthesis of RNA in the activation of the genetic apparatus of differentiated cells in case of their enhanced physiological function. F.Z. Meerson and others. Dokl.AN SSSR 155 no.3:698-701 Mr '64.

ACTINOMYCOSIS

Microbiological diagnosis of actinomycosis. T.G.Suteeva, M.V.Firiukova. Lab.delo 9 no.4:35-39 Ap '63.

ACTIVATED CARBON see Carbon, Activated

ACTIVATION ENERGY

Interdependence between the inhibiting properties of phenols and activation energy. A.P.Tkacheva, G.V. Kharitonova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:33-41 '62.

ACTOMYOSINS

Resistance of actomyosin in the myocardium and skeletal muscles to the denaturing effect of heat, ethyl alcohol and urea. A.D.Braun, N.M.Nesvetaeva, N.V. Fizhenko. TSitologiia 5 no.3:335-338 My-Je '63.

ACTORS

[The work of an actor; collection of articles] Trud aktera; sbornik statei. Moskva, Sovetskaia Rossiia.
No.12. Simonov, Smoktunovskii, Shelest, Tikhonov, Tabakov. 1964. 95 p. (Bibliotechka khudozhestvennoi samodeiatel'nosti, no.12)

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ACYLATION

Acylation of cyclopentadienylrhenium tricarbonyl. A.N. Nesmeianov and others. Dokl.AN SSSR 154 no.3:646-647 Ja '64.

Acylation of serine, cystine, and cystamine with p-di (2-chloroethyl) aminophenylalkanic acid chlorides. N.B.Kaz'mina, O.V.Kil'disheva, I.L.Knuniants. Izv. AN SSSR.Ser.khim. no.4:755-756 Ap '64.

Enolization of N-acylamides. A.M.Shkrob and others. Izv.AN SSSR.Ser.khim. no.4:774 Ap '64.

Reaction kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 2. N.K.Vorob'ev, L.V.Kuritsyn. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:34-40 '64.

ADAPTATION (BIOLOGY)

Adaptation of bladder mechanoreceptors. N.A.Adamovich. Dokl.AN SSSR 155 no.3:707-710 Mr '64.

Adaptation of the cardiovascular system of nutria to a semiaquatic way of life. V.P.Halantsev. Dop.AN URSR no.3:387-389 '64.

Adaptive changes in the wild carp (Cyprinus carpio L.) of the Danube Valley. P.I.Pavlov. Vop.ikht. 4 no.1: 184-187 '64.

Basic trends in the adaptation of insects to life in a desert [with summary in English]. N.S.Giliarov. Zool.zhur. 43 no.3:443-454 '64.

"Neuroendocrine regulation of adaptation activity" by K. Lissak and E. Endroczi. Reviewed by N.K.Sviridov. Usp.sovr.biol. 56 no.2:300-303 S-O '63.

ADAPTIVE CONTROL SYSTEMS

Adaptive control system with a model. Part 2. I.N. Krutova, V.IU.Rutkovskii. Izv.AN SSSR.Tekh.kib. no.2:143-152 Mr-Ap '64.

Adaptive control system with two coordinates using indirect quality indices. L.V.Kazans'kyi. Avtomatyka 9 no.2:76-78 '64.

Problems of the theory of sample cognition at the All-Union Conference on Adaptive Control Systems held in Moscow December 10-14, 1963. Avtomatyka 9 no.2:89-91 '64.

ADDISON'S DISEASE

Zefirova, G.S. [Addison's disease] Addisonova bolezn'. Moskva, Medgiz, 1963. 238 p.
(DNLM)

ADEN—POLITICS AND GOVERNMENT

Colonialist aggression in South Arabia. K.Maslov. Nov. vrem. 21 no.20:12-13 My '64.

ADENOSINE DEAMINASE

Purification of cerebral adenosine deaminase [with summary in English]. M.K.Malysheva. Ukr.biokhim. zhur. 35 no.5:764-771 '63.

ADENOSINE PHOSPHATES

Adenine nucleotides in the spermatozoa of the ram, boar, and stallion [with summary in English]. V.I.Zhivkov. Ukr.biokhim.zhur. 34 no.1:86-94 '62.

ADENOSINE TRIPHOSPHATES

Adenosinetriphosphoric acid deficiency in the myocardium of patients with rheumatic heart defects and circulation insufficiency. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:190-194 '63.

Effect of muscular activity on the interaction of thiol groups of myosin with adenosinetriphosphoric acid [with summary in English]. N.N.IAkovlev, A.F. Krasnova. Ukr.biokhim.zhur. 34 no.1:95-103 '62.

ADENOSINETRIPHOSPHATASE

Effect of boron deficiency on the adenosinetriphosphatase activity of the sunflower. A.N.Maevskaia, Kh.A.Alekseeva. Dokl.AN SSSR 156 no.1:212-213 My '64.

ADENOVIRUS INFECTIONS

(see also subdivision under Moscow)

Analysis of an outbreak of adenovirus diseases in the departments of a children's tuberculosis sanatorium [with summary in English]. A.S.Kaplan, L.L.Gaeva, G.A.Makarenko. Pediatriia 42 no.9:23-27 S '63.

Clinical and roentgenological pulmonary changes in adenoviral diseases. R.IA.Khersonskaia, E.A.Bitenbinder, A.S.Pashchenko. Pediatriia 42 no.9:14-18 S '63.

Membranous conjunctivitis caused by adenoviruses type 3. G.S.Pashkevich, R.S.Dreizin. Vop.med.virus. no.5 pt.2:168-175 '58.

ADENOVIRUSES

Differential diagnosis of adenoviruses, and the viruses of herpes, influenza and poliomyelitis. R.S.Dreizin and others. Vop.med.virus. no.5 pt.2:178-183 '59.

Study of adenoviruses in the Ivanovskii Institute of Virology, Academy of Medical Sciences of the U.S.S.R. R.S.Dreizin. Vop.med.virus. no.5 pt.2:157-163 '58.

Study of serum antibodies against adenoviral and streptococcal antigens. R.S.Dreizin, L.D.Kniazeva, I.I. Shcherbatov. Vop.med.virus. no.5 pt.2:175-178 '58.

ADENYLIC ACIDS

Biochemistry of adenylic acids. D.L.Ferdman. Ukr. biokhim.zhur. 35 no.1:129-152 '63.

ADHESION

Adhesive properties of water-soluble synthetic polymers. N.K.Baramboim, M.A.Nuriev. Nauch.trudy MTILP no.26:77-80 '62.

Effect of temperature on the long-time adhesion [illegible] of polyethylene. M.S.Dyl'kov, A.T.[illegible], P.I.Zubov. Dokl.AN SSSR 155 no.2:[illegible] '64.

Machine for inlaying and fastening of thermoplastic [illegible] and edging. B.A.Kunner, N.I.Petrov. Nauch. trudy TSNIIShveiproma no.10:115-123 '62.

Self-adhesion of polyethylene under high pressure. [illegible] Baltenas, L.A.Igonin. Dokl.AN SSSR [illegible] no.3:[illegible] '64.

Some problems of the theory of the adhesion of high polymers. R.M.Vasenin. Nauch.trudy MTILP [illegible] 46-68 '62.

Time dependence of the binding strength of the adhesion of rubbers. M.M.Reznikovskii, B.Z.Kunnerskaia. Dokl.AN SSSR 155 no.4:934-936 Ap '64.

ADHESIVES

Adhesive tars from hydrogenated phenols. E.V.[illegible]kova and others. Trudy VNIIT no.11:120-127 [illegible]

Estimation of the state of adhesive joints in testing [illegible] for water and weather resistance. V.M.Khrulev. [illegible] lab. 30 no.5:601-602 '64.

Plant tests of synthetic adhesives on a base of shale phenols boiling at temperatures up to 300°. A.G. Zabrodkin and others. Khim.i tekh.gor.slan.i [illegible] ikh perer. no.10:246-252 '62.

Plant tests of synthetic adhesives on a base of shale phenols combined with teleresol and boiled away at temperatures above 300°. A.G.Zabrodkin and others. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:[illegible] 250 '62.

Self-vulcanizing S-12 rubber adhesive for the gluing of rubberized materials made from butadiene-nitrile rubber. IU.F.Andrianov, I.K.Borisova, [illegible] Kauch.i rez. 23 no.3:40-52 Mr '64.

Synthetic adhesives for the gluing-on of leather on the glass plate. S.H.Ponomar'ov, M.M.Olesiuk, [illegible] Cheranovs'ka. Leh.prom. no.4:53-55 [illegible] '64.

ADIPOSE TISSUES

Effect of insulin on glucose and fructose uptake by isolated fat tissue of the epididymis of normal rats, starved rats, and rats with alloxan diabetes [with summary in English]. K.G.Gromova. Biokhimiia 27 no.6:1108-1110 N-D '62.

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE ECONOMIC COUNCILS see subdivision under Armenia

ADMINISTRATIVE LAW

System and content of the administrative codes of the Union Republics. I.N.Pakhomov. Sov.gos.i pravo no.12:121-128 D '63.

ADMINISTRATIVE PROCEDURE

Problems of administrative procedure in the work of the police. A.P.Korenev. Sov.gos.i pravo no.12:12[illegible]-131 D '63.

ADRENAL CORTEX

Change in the quantity of eosinophils in the peripheral blood in healthy people due to the administration of strychnine, caffeine and ephedrine. V.D.Kos'mina, V.N.Leonova. Nauch.trudy Riaz.med.inst. 15:[illegible] '62.

Changes in the hypophysis and adrenal cortex under the influence of ACTH. T.N.Suchugova. Nauch.trudy Riaz. med.inst. 15:134-136 '62.

Diagnostic value of Thorn test. L.D.Grinshpun, P.[illegible] Fleishman, V.S.Dubrovskaia. Lab.delo [illegible] '64.

Effect of ephedrine and aloe on the function of the adrenal cortex. V.N.Leonova, V.D.Kos'mina, M.N.Chebotareva. Nauch.trudy Riaz.med.inst. 15:53-5[illegible] '62.

Effect of magnesium sulfate, aminazine and hexonium on the adrenal cortex. IA.M.Miloslavskii. Nauch. trudy Riaz.med.inst. 15:71-79 '62.

Indicators of the functional state of the adrenal cortex before and after the administration of ACTH in practically healthy people. A.F.Fedosov, IU.I.Bogdanov. Nauch.trudy Riaz.med.inst. 15:141-143 '62.

Some indices of the functional state of the adrenal cortex in patients with rheumatic heart defects and circulation insufficiency. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:181-189 '63.

ADRENAL CORTEX—DISEASES

Morphological changes in the system hypophysis-adrenal cortex in rheumatic fever. I.I.Mironov. Nauch.trudy Riaz.med.inst. 14:74-90 '63.

Pneumonectomy in chronic suppuration of the lung in a patient with adrenal gland insufficiency. V.A.Kovanov, A.IA.Nozhlukto. Khirurgiia no.1:129-132 '63.

ADRENAL GLANDS

Adrenaline and nonadrenaline cells in the adrenal glands of a pig. Z.S.Katsnel'son. Dokl.AN SSSR 155 no.5: 1182-1183 Ap '64.

Effect of saluzide and streptomycin on some indicators of the functional state of the adrenal cortex in healthy white rats. V.A.Likhvantsev. Nauch.trudy Riaz.med. inst. 15:57-63 '62.

ADRENAL GLANDS (Continued)

Function of the hypophysis-adrenal system in aged subjects [with summary in English]. [illegible] [illegible] no. [illegible] '64.

ADRENAL GLANDS—EXCISION

Sodium, potassium and water content of the blood serum and muscle tissue following adrenalectomy and enforced hormone therapy [with summary in English]. V. B. [illegible] [illegible] no. [illegible] '64.

ADRENALINE

Anesthesia of the human skin by novocaine and adrenaline electrophoresis. A. P. [illegible], [illegible] Vop. kur., fizioter. i lech. fiz. kul't. 29 no. [illegible] '64.

Effect of adrenaline on the [illegible] properties of the gastric juice. A. B. [illegible] Izv. AN Azerb. SSR. [illegible] no. [illegible] '64.

Effect of [illegible] on the [illegible] of the [illegible] the liver of frogs with an increased tone of the [illegible] [illegible] [illegible] '64.

[illegible] [illegible] [illegible] '64.

ADRENALINE IN THE BODY

[illegible] [with summary in English]. [illegible] '64.

AEROGENESIS

[illegible] '64.

AEROSOLS

[illegible] '64.

[illegible] [with summary in English]. [illegible] '64.

[illegible] '64.

[illegible] '64.

[illegible] '64.

[illegible] '64.

[illegible] '64.

Mechanism of oxidation, hydrogenation, and electro-chemical [illegible] [with summary in English]. [illegible] '64.

[illegible] [with summary in English]. [illegible] '64.

[illegible] '64.

[illegible] [with summary in English]. [illegible] '64.

Temperature coefficient of the [illegible] [with summary in English]. [illegible] '64.

[illegible] '64.

[illegible] '64.

ADVERTISING, NEWSPAPER

Searching for [illegible] and the most effective one. [illegible] '64.

AZERBAIJAN—HEALTH RESORTS, WATERING PLACES, ETC.

[illegible] characteristics of the [illegible] health resorts of the Azerbaijan S.S.R. [illegible] '64.

AERATED CONCRETE see Lightweight concrete

AERIAL PHOTOGRAMMETRY

Aerogeophysical methods and the possibility of their use in prospecting for mineral deposits. [illegible] Ostrovskii, [illegible] no. [illegible] '64.

Geological and geophysical interpretation of aerogeophysical materials. V. P. [illegible], [illegible] Ostrovskii, [illegible] '64.

[illegible] of aerogeophysical prospecting for rare element deposits. [illegible] Ostrovskii, [illegible] '64.

[illegible] interpretation of aerogeophysical [illegible] '64.

[illegible] '64.

[illegible] '64.

AERIAL PHOTOGRAPHY IN GEOLOGY

[illegible] '64.

AERIAL SURVEY

[illegible]

[illegible]

[illegible]

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMIC HEATING

[illegible] '64.

AERODYNAMICS

[illegible] Moskva, [illegible] 1964. [illegible] p.

AERODYNAMICS, HYPERSONIC

[illegible]

[illegible] '64.

[illegible] '64.

AERODYNAMICS, SUPERSONIC

[illegible] '64.

[illegible] '64.

AERODYNAMICS, TRANSONIC

[illegible] '64.

[illegible] '64.

AERONAUTICS—ABSTRACTS

[Air transportation] Ref. zhur.: Vozd. transp. nos. [illegible] [illegible] "M. Aviatsionnyi transport" do 1963 g.

AERONAUTICS—ACCIDENTS

[illegible] '64.

AERONAUTICS, MILITARY

Airborne [illegible] '64.

AERONAUTICS IN AGRICULTURE

Air-borne spraying of herbicides before sowing. [illegible] '64.

[illegible] '64.

AERONAUTICS IN FORESTRY

[illegible] in Germany. [illegible] '64.

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Instructions for the use of airplanes in forest fire protection] Instruktsiia po aviatsionnoi okhrane lesov ot pozharov. Moskva, Goslesbumizdat, 1963. 213 p.

AERONAUTICS IN METEOROLOGY

Reasons for the heavy bumping of a [illegible] airplane March [illegible], 1961 on the route from Tashkent to [illegible]. M. V. [illegible] Trudy [illegible] no. [illegible] '64.

AEROSOLS

Anatomicophysiological characteristics of the human and animal respiratory systems in the genesis of immunity following vaccination by the aerosol method. Rep. 2: Role of the structure of the airways in the mechanism of retention of inhaled material [with summary in English]. [illegible] 40 no. [illegible] Ap '64.

Comparative effectiveness of dispersed solutions in the chamber of fogs. [illegible] '64.

Determination of the stability of bacteria in aerosols [with summary in English]. V. V. Vlodavets. Zhur. mikrobiol., epid. i immun. 40 no. [illegible] Ap '64.

Effect of insecticidal aerosols produced by the [illegible] generator on Arthropods in [illegible] [illegible] '64.

Liquid foamy filters for the absorption of bacterial aerosols [with summary in English]. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] Ap '64.

Measurement of the rate [illegible] in the field of [illegible] '64.

[illegible] '64.

[illegible] '64.

[illegible] '64.

AEROSOLS—ANALYSIS

[illegible] '64.

AESTHETICS

[illegible], [illegible] [Industrial aesthetics; a bibliographic index] [illegible] Minsk, [illegible] 1964. [illegible] p.

(CNR-M)

[illegible] [Artistic [illegible] and style] [illegible] [Moskva] Iskusstvo, 1964. [illegible] p.

[illegible] '64.

[illegible]

AESTHETICS—STUDY AND TEACHING

Aesthetic education in the process of the general [illegible] of students. [illegible] '64.

[illegible] '64.

[illegible]

We learn to understand beauty. [illegible] '64.

AFFORESTATION

(see also subdivision under Leningrad)

[illegible]

AFGHANISTAN—FOREIGN RELATIONS—RUSSIA

Holiday of the free Afghanistan. [illegible] '64.

AFRICA—CEMENT INDUSTRIES

Through the pages of foreign magazines. [illegible] '64.

AFRICA—COMMERCE

[illegible], P. N. [The economy and foreign trade of African countries] Ekonomika i vneshniaia torgovlia stran Afriki. Moskva, Vneshtorgizdat, 1964. 201 p.

[illegible], A. A. [Characteristics of the machinery market of African countries] Osobennosti rynka oborudovaniia stran Afriki. Moskva, 1964. 71 p. (Institut [illegible] informatsii, prilozhenie, no. 3)

AFRICA—DICTIONARIES AND ENCYCLOPEDIAS

Africa; an encyclopedic manual. [illegible] '64.

AFRICA—ECONOMIC ASSISTANCE, RUSSIAN

The Soviet Union and Africa. N. Fedorenko. Nov. vrem. 21 no. 19:6-7 My '64.

AFRICA—ECONOMIC CONDITIONS

The future of the African continent. L. Pribytkovskii, L. Fridman. Mezhdunar. zhizn' 11 no. 5:136-139 My '64.

Suslin, P. N. [The economy and foreign trade of African countries] Ekonomika i vneshniaia torgovlia stran Afriki. Moskva, Vneshtorgizdat, 1964. 291 p.

AFRICA—EDUCATION

People of Africa are studying. D. K. Ponomarev. Sov. pedag. 28 no. 4:123-133 Ap '64.

AFRICA—FEUDALISM

A bourgeois historian on African feudalism. S. R. Kim. Vop. ist. 39 no. 3:210-211 Mr '64.

AFRICA—FOREIGN ECONOMIC RELATIONS

A giant marching into the future. Sh. Kaniev. Part. zhizn' Kazakh. 34 no. 4:70-72 Ap '64.

AFRICA—FOREIGN RELATIONS—FRANCE

Colonialism behind the mask of "treaty relations." V. P. Verin. Uch. zap. IMO no. 14:57-73 '63.

AFRICA—FOREIGN RELATIONS—RUSSIA

"The U. S. S. R. and the countries of Africa, 1946-1962." Reviewed by A. M. Khazanov. Vop. ist. 39 no. 5:131-133 My '64.

AFRICA—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonic development of Africa in the Pre-Cambrian. S. E. Kolotukhina. Izv. AN SSSR. Ser. geol. 29 no. 4:28-37 Ap '64.

AFRICA—HISTORY

Levinas, Dovydas. [Africa breaks her chains] Afrika trauko pancius. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 104 p. [In Lithuanian]
(MH)

AFRICA—INDUSTRIES

Zmeev, A. A. [Characteristics of the machinery market of African countries] Osobennosti rynka oborudovaniia stran Afriki. Moskva, 1964. 71 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no. 3)

AFRICA—LABOR AND LABORING CLASSES

The wage labor army in Africa. L. Elenin. Az. i Afr. seg. 7 no. 5:16-18 My '64.

AFRICA—PETROLEUM INDUSTRY

Petroleum and independence. T. Sergienko. Az. i Afr. seg. 7 no. 5:24-25 My '64.

AFRICA—POLITICS

Editorial comment. Nov. vrem. 21 no. 21:1-2 My '64.

Under the banner of Addis-Ababa. V. Kudriavtsev. Az. i Afr. seg. 7 no. 5:2-4 My '64.

AFRICA—POLITICS AND GOVERNMENT

The future of the African continent. L. Pribytkovskii, L. Fridman. Mezhdunar. zhizn' 11 no. 5:136-139 My '64.

AFRICA—RACE DISCRIMINATION

In the name of equal rights. G. Vladimirov. Az. i Afr. seg. 7 no. 5:58-59 My '64.

AFRICA—TRADE UNIONS

On the agenda is trade-union unity. Mustapha Sarr. Vsem. prof. dvizh. no. 11:25-27 N '63.

AFRICA, EAST—LABOR AND LABORING CLASSES

Formation of the laboring class in East Africa [with summary in English]. B. M. Zmeev. Vest. LGU 19 no. 5:144-147 '64.

AFRICA, SOUTH—TRUSTS, INDUSTRIAL

The "Anglo-American Corportation of South Africa." D. Kasatkin. Az. i Afr. seg. 7 no. 5:49-52 My '64.

AFRICAN HORSE SICKNESS

Studying Abyssinian vaccine strains of African horse sickness. M. S. Shaburov. Veterinariia 40 no. 10:68-69 O '63.

AFRICAN HORSE SICKNESS—PREVENTIVE INOCULATION

Virus vaccine against African horse sickness. E. V. Ivanovskii, V. P. Nazarov. Veterinariia 40 no. 10:70-72 '63.

AFRO-ASIAN PEOPLES' SOLIDARITY CONFERENCE, JAKARTA, 1964

Editorial comment. Nov. vrem. 21 no. 19:3-4 My '64.

For unity in the struggle for peace, freedom and national independence; statement by the Soviet Government. Nov. vrem. 21 no. 19:31-32 My '64.

AGE

Electrophoretic examination of the proteins in the blood serum of donors of different age groups. F. M. TSukrova. Lab. delo 8 no. 9:40-42 S '62.

Physiological and biochemical criteria of the age characteristics of the organism. V. N. Nikitin. Usp. sovr. biol. 56 no. 3:403-417 '63.

Role of the age factor in the development of trophic disorders in the bones. F. A. Mazov. Sbor. nauch. rab. IAr. med. inst. no. 21:41-47 '59.

AGED—CARE AND HYGIENE

[For elderly people] Dlia pozhilykh. [Moskva] Meditsina, 1964. 252 p.
(DNLM)

AGED—DISEASES

Strangulated hernias in elderly patients [with summary in English]. O. I. Vinogradova, E. I. Fidrus. Vest. khir. 90 no. 5:75-83 My '63.

AGGLUTINATION

Agglutination and hemagglutination reactions in the diagnosis of colibacillary intestinal diseases in children [with summary in English]. L. A. Chuprova. Vop. okh. mat. i det. 7 no. 6:5-10 Je '62.

AGGREGATES

Chernyshev's center of a set. P. K. Belobrov. Izv. vys. ucheb. zav.; mat. no. 1:3-9 '64.

One-to-one correspondence over a quasi-exact category. M. S. TSalenko. Dokl. AN SSSR 155 no. 2:292-294 Mr '64.

Smooth mappings of R_n in R_1 spaces. L. D. Ivanov. Dokl. AN SSSR 155 no. 2:258-261 Mr '64.

Systems of canonical open (closed) sets. IU. Flaksmaier. Dokl. AN SSSR 156 no. 1:32-34 My '64.

AGGREGATES (BUILDING MATERIALS)
(see also subdivision under Siberia, Western)

Mechanizing the enrichment of aggregates of different strength. S. I. Kop'ev. Mekh. stroi. 21 no. 4:8-12 Ap '64.

Preparation of fine natural sand. N. M. Antipashin and others. Stroi. mat. 10 no. 1:25-26 Ja '64.

Schungite-containing shales as raw materials for the production of porous aggregates. IU. K. Kalinin. Stroi. mat. 9 no. 8:12-14 Ag '63.

AGGRESSION (INTERNATIONAL LAW)

Agreements (pacts) of nonaggression are an important instrument of strengthening international peace and security. G. V. Sharmazanashvili. Sov. gos. i pravo 34 no. 4:108-112 Ap '64.

AGING

Experimental myocardial infarct in animals of various ages. L. V. Kostiuk. Vest. AMN SSSR 18 no. 2:77-84 '63.

Kinesimetric indices of the Achilles tendon reflex in relation to age. E. B. Liubchinskii, L. N. Pines. Zhur. nevr. i psikh. 64 no. 3:331-333 '64.

Some characteristics of the cerebral electrical activity in the process of aging and in atherosclerosis. A. IA. Mints, N. L. Gorbach. Zhur. nevr. i psikh. 64 no. 2: 219-224 '64.

Surgical restoration of decreasing functional activity of the sex glands under experimental conditions. I. F. Zhordania, O. A. Gotsiridze. Eksper. khir. i anest. 8 no. 4:50-54 Jl-Ag '63.

AGLYCONS

Rate of the fermentation hydrolysis of cardiac glycosides as dependent on the structure of aglycons. P. I. Hvozdiak, D. H. Kolesnykov. Dop. AN URSR no. 3:352-354 '64.

AGLYCONS—SPECTRA

NMR spectra of genins from glycosides of Panax ginseng C. A. Mey. A. K. Dzizenko and others. Dokl. AN SSSR 156 no. 1:92-94 My '64.

AGRICOLA, GEORG, 1494-1555

"Georg Agricola, his ideas, and his role as a forerunner of the materialistic conception of nature" [in German] by Erwin Herlitzius. Reviewed by G. Petschner. Vop. filos. 17 no. 12:171-172 '63.

AGRICULTURAL ADMINISTRATION
(see also subdivision under Dzhambul Province; Kazakhstan; Markhamatskiy District; Sayramskiy District; Taldy-Kurgan District; Tselinograd Province; Ust'-Labinsk; Uzbekistan)

Improve economists' role in production administrations. A. Katrich. Ekon. sel'khoz. 35 no. 4:106-107 Ap '64.

Land law and collective farm law problems in the light of the decisions of the February, 1964 Plenum of the Central Committee of the CPSU. Sov. gos. i pravo 34 no. 4:5-15 Ap '64.

AGRICULTURAL CHEMICALS

Breaking down of poisonous chemicals in the soil. M. S. Giliarov. Zashch. rast. ot vred. i bol. 9 no. 4:54-55 '64.

Siniagin, I. I. [The meaning of chemicalization in agriculture] Chto takoe khimizatsiia sel'skogo khoziaistva. Moskva, Sovetskaia Rossiia, 1964. 37 p. (Otvechaem truzhenikam sela)
(DNAL)

The supply system of machinery and equipment [illegible] tive and state farms. P. Kozhevnikov. [illegible] 35 no. 3:40-54 Mr '64.

AGRICULTURAL CHEMICALS—STUDY AND TEACHING see subdivision under Rostov Province

AGRICULTURAL CHEMISTRY
(see also subdivision under Sweden; Uzbekistan)

Agricultural chemistry and farming. A. V. [illegible] AN SSSR 34 no. 1:10-15 Ja '64.

A center of mineral fertilizers. A. [illegible] dorov. Part. zhizn' Kazakh. 34 no. 1:15-17 Ja '64.

Chemistry in agriculture. Ekon. sel'khoz. 35 [illegible] 59 Mr '64.

Defender of the fields. IU. I. Medvedev. [illegible] no. 3:104-112 Mr '64.

Let's carry out the decisions of the plenum. [illegible] proizv. 8 no. 3:3-4 Mr '64.

Motion pictures tell how to apply chemistry to agri[illegible] Khim. v sel'. khoz. 2 no. 3:57-58 Mr '64.

Plan large-scale chemistry. S. I. Vol'fkovich. [illegible] 34 no. 3:1 '64.

Soil, electricity, chemistry. Izobr. i rats. no. [illegible] '64.

AGRICULTURAL CHEMISTRY—BIBLIOGRAPHY see Bibliography—Agricultural chemistry

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING see subdivision under Kursk Province

AGRICULTURAL COURTS AND PROCEDURE see subdivision under Sarkand District

AGRICULTURAL CREDIT
(see also subdivision under White Russia)

The creation of rural loan and savings associations [illegible] Russia. V. A. Vdovin. Vest. Mosk. un. Ser. 6: [illegible] no. 2:33-49 Mr-Ap '64.

Letters from readers. Den. i kredit. 22 no. [illegible] '64.

Take active part in aiding agricultural intensification. V. Ushakov. Den. i kredit. 22 no. 3:3-10 Mr '64.

AGRICULTURAL EDUCATION

Several indices of agricultural development in 19[illegible] Vest. stat. no. 5:70-85 '64.

AGRICULTURAL EDUCATION—CONGRESSES

Provide agriculture with trained personnel. A. [illegible] Ekon. sel'khoz. 35 no. 3:121-122 Mr '64.

AGRICULTURAL EXHIBITIONS see subdivision under Moscow

AGRICULTURAL GEOGRAPHY

Moscow. Gosudarstvennyi universitet im. M. V. Lomonosova. Geograficheskii fakul'tet. [Method for studying the economic land utilization for compiling large-scale maps; seminar on agricultural geography] Metodika izucheniia khoziaistvennogo ispol'zovaniia zemel' dlia sostavleniia krupnomasshtabnykh kart; seminar po geografii sel'skogo khoziaistva. Moskva, 1963. 92 p.
[MICROFILM]

AGRICULTURAL IMPLEMENTS see subdivision under Ukraine

AGRICULTURAL LABORATORIES

Collective farms need agrochemical laboratories. H. Nazarov. Ekon. Rad. Ukr. no. 2:94-95 Mr-Ap '64.

AGRICULTURAL LAWS AND LEGISLATION

Land law and collective farm law problems in the light of the decisions of the February, 1964 Plenum of the Central Committee of the CPSU. Sov. gos. i pravo 34 no. 4:5-15 Ap '64.

AGRICULTURAL MACHINERY
(see also subdivision under Germany, East; Leningrad Province; Orel Province; Scandinavia; Ukraine)

Brief news. Mekh. i elek. sots. sel'khoz. 22 no. 1:24, 49, 57 '64.

Determining the bearing capacity of thin-walled aluminum alloy profiles under repeated varying loads. A. G. Dvoeglazova. Dokl. TSKHA no. 87:425-431 '63.

Electrohydraulic effect and its application in agriculture. A. A. Dubrovskii. Mekh. i elek. sots. sel'khoz. 22 no. 1:45-49 '64.

Experimental study of the strength and rigidity of aluminum profiles in twisting and bending. G. G. Balovnev. Dokl. TSKHA no. 87:433-439 '63.

Hydraulic control elements in agricultural machinery. N. N. Nastenko. Mashinostroenie no. 2:83-87 Mr-Ap '64.

Improving the complex of machines for the overall mechanization of growing perennial plants on the Kirov State Farm in Vidi District, Armenian S.S.R. G. G. [illegible], Zh. A. Agadzhanian. Trudy Arm. NIIMESKH no. 1:17-23 '63.

Machine for the production of hay meal. F. D. Panasenko. Mekh. sil'. hosp. 13 no. 10:27-28 O '62.

AGRICULTURAL MACHINERY (Continued)

Output norms for mechanized operations. I. N. Zal'tsman. Mekh. sil'. hosp. 15 no. 2:30-31 F '64.

Polkanov, I. P. [Theory and design of machine and tractor units] Teoriia i raschet mashino-traktornykh agregatov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 254 p.

Problems of designing and calculating continuous lines [with summaries in English, German, and French]. V.A.Goberman, G.I.Sin'kov. Vest.sel'khoz.nauki 8 no.12:120-125 D '63.

Rural designers. V. Zabava. NTO 6 no. 4:44-46 Ap '64.

Simplified method of determining the reduced moment of inertia of machines and tractor-driven machinery. N.E. Avdeev. Mekh. i elek. sots. sel'khoz. 22 no. 1:50-51 '64.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment Ref.zhur.: Trakt. i sel'khoz. mash. i orud. no. 5 My '64.

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—CONGRESSES

Scientific conference in Minsk. K. Balgacheva. Tekh. v sel'khoz. 23 no. 12:86-88 D '63.

AGRICULTURAL MACHINERY—DYNAMICS

Experimental study of the skidding resistance of runners on the ground. G.S.Gura, A.V.Chichinadze. Mekh. i elek. sots. sel'khoz. 22 no. 1:52-53 '64.

AGRICULTURAL MACHINERY—ELECTRIC EQUIPMENT

Devices for controlling electric equipment. O. S. Holubiev. Mekh. sil'. hosp. 15 no. 2:8 F '64.

AGRICULTURAL MACHINERY—FUEL SYSTEMS

The KO-1608 stand. M. M. Vesna. Mekh. sil'. hosp. 15 no. 5:31-32 My '64.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Kakhovka, Kherson Province; Kirovograd; Poltava Province; Ukraine)

Electrochemical washing of parts. N. Tel'nov, G. Astvatsaturov. Tekh. v sel'khoz. 23 no. 12:62-64 D '63.

Industrial methods of repair. I. Levitskii. Tekh. v. sel'khoz. 23 no. 12:68 D '63.

Universal stand. D. Shostak. Tekh. v sel'khoz. 23 no. 12:61 D '63.

AGRICULTURAL MACHINERY—PRODUCTION STANDARDS

Apparatus for the engineering evaluation of the performance of agricultural machines. P.F. Belykh, V.V. Rudahsov. Mekh. i elek. sots. sel'khoz. 22 no. 1:59-60 '64.

AGRICULTURAL MACHINERY—STUDY AND TEACHING

(see also subdivision under Ukraine)

Machine operators should have solid knowledge. O. F. Okhrimenko. Mekh. sil'. hosp. 13 no. 10:32 O '62.

AGRICULTURAL MACHINERY INDUSTRY

Using plastics in the agricultural machinery industry. G. V. Shcheglovskii. Mashinostroenie no. 2:87-89 Mr-Ap '64.

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL MICROBIOLOGY

Makarova, M. M., ed. [Role of micro-organisms in the increase of the effectiveness of feeds and the productivity of livestock] Rol' mikroorganizmov v povyshenii effektivnosti kormov i produktivnosti zhivotnovodstva. Leningrad, Izd-vo "Kolos," 1964. 94 p.
(DNAL)

AGRICULTURAL MICROBIOLOGY—CONGRESSES

Agricultural microbiology at the Eighth International Microbiological Congress, Montreal, 1962. E. N. Mishustin. Izv. AN SSSR. Ser. biol. no. 2:323-330 Mr-Ap '63.

AGRICULTURAL PESTS see subdivision under Azerbaijan

AGRICULTURAL POLICY

(see also subdivision under Yugoslavia)

Development of the lagging farms is a national concern. Komm. Uz. 36 no. 4:60-68 Ap '64.

Intensification is the principal trend. Vop. filos. 18 no. 3:3-10 '64.

Khrushchev, N. S. [The building of communism in the U. S. S. R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khoziaistva. Moskva, Politizdat.
Vol. 8. [May 1963 - March 1964] Mai 1963 goda - mart 1964 goda. 1964. 558 p.

Road of abundance. Pozh. delo no. 3:1 Mr '64.

V.I. Lenin and the transition to the New Economic Policy. E. B. Genkina. Vop. ist. 39 no. 5:3-27 My '64.

V. I. Lenin on the role of mechanization and electrification in the socialist development of agriculture. A. P. Veselov. Izv. LETI no. 40:80-95 '60.

AGRICULTURAL RESEARCH

(see also subdivision under Krasnodar; Turkmenistan)

The most important tasks of agricultural science. N. A. Maisurin. Izv. TSKHA no. 1:7-12 '60.

You should know your soil. P. Kazakov. NTO 6 no. 4:5-8 Ap '64.

AGRICULTURAL WAGES

Follow-up of our materials. Ekon. sel'khoz. 35 no. 4:125 Ap '64.

Improve the bonus system on state farms. B. Zhamishev. Ekon. sel'khoz. 35 no. 4:102-104 Ap '64.

AGRICULTURAL WORKERS

(see also subdivision under Gurlen District)

The Communists in Leningrad in the struggle for the socialist reorganization of agriculture from 1925 to 1930. E. A. Sultanova. Vop. ist. KPSS 8 no. 5:102-106 My '64.

Energy expenditures of collective-farm workers [with summary in English]. A. P. Borisova. Vop. pit. 21 no. 6:43-46 N-D '62.

Results of the second five-year plan and their significance for the further strengthening of the union between workers and farmers. M. B. Niiazberdyev. Trudy Turk. sel'khoz. inst. 11 no. 2:145-154 '62.

AGRICULTURAL WORKERS—EDUCATION AND TRAINING

(see also subdivision under Kazakhstan; Kzyl-Orda Province; Molodechno District; Uzbekistan)

Knowledge and experience are our wealth. E. Rogacheva. Sov. profsoiuzy 20 no. 7:2-3 Ap '64.

AGRICULTURE

(see also subdivision under Altai Territory; Belgorod Province; Chita Province; Estonia; Fergana; Great Britain; Kazakhstan; Khabarovsk Territory; Kherson Province; Kokchetav Province; Kopyl' District; Rostov Province; Russia, Northern; South Kazakhstan Territory; Soviet Central Asia; Turkmenistan; Ukraine; Ural'sk Province; Virgin Territory)

Accelerated development of the chemical industry is the most important condition for the rise of agricultural production and improvement in the nation's welfare. Azerb. khim. zhur. no. 1:3-15 '64.

Biology and the intensification of agriculture. Izv. AN SSSR. Ser. biol. no. 3:337-340 My-Je '64.

Centralized agricultural freight transportation. V. Ziazev. Avt. transp. 42 no. 4:15-17 Ap '64.

Conference on "trace elements in agriculture." Uzb. khim. zhur. 8 no. 2:79 '64.

The decisions of the February Plenum of the Central Committee of the CPSU should be put into practice. Ekon. sel'khoz. 35 no. 3:1-8 Mr '64.

Economic efficiency of the intensification of agriculture. P. Ignatovskii. Vop. ekon. no. 4:35-44 Ap '64.

For an efficient introduction of scientific achievements and progressive practice on all collective and state farms. Ekon. sel'khoz. 35 no. 4:5-11 Ap '64.

Fuller use of the scientific personnel of the schools of higher learning in the struggle for the intensification of agricultural production. G. V. Dobrovol'skii. Nauch. dokl. vys. shkoly; biol. nauki no. 2:7-10 '64.

A great factor in agricultural progress. Dm. Rud'. Nov. mir 40 no. 3:267-269 Mr '64.

Grishin, V. V. [Tasks of trade unions in the further development of agriculture; a paper read at the Third Plenum of the All-Union Central Council of Trade Unions, February 27, 1964] Zadachi profsoiuzov po dal'neishemu razvitiiu sel'skogo khoziaistva; doklad na III Plenume VTsSPS, 27 fevralia 1964 goda. [Moskva] Profizdat, 1964. 61 p.

Information. Z. TSedik-Tomashevich, A. Poliakov, B. Chember. Vest. sel'khoz. nauki 8 no. 12:139-151 D '63.

Intensification of agriculture is a national task. G. Kutuzov. Fin. SSSR 38 no. 4:3-9 Ap '64.

Let's honor the farmer! O. S. Bezshliaha. Mekh. sil'. hosp. 13 no. 10:3-4 O '62.

New guidepost on the path to communism. Sov. torg. 37 no. 3:1-2 Mr '64.

An obligatory condition for the building of communism. Ekon. stroi. no. 3:3-4 Mr '64.

Put the decisions of the February Plenum of the Central Committee of the CPSU into practice. Ekon. Rad. Ukr. no. 2:3-8 Mr-Ap '64.

AGRICULTURE—ACCIDENTS see subdivision under Kiev Province

AGRICULTURE—ACCOUNTING

Against an incorrect understanding of comprehensive machine accounting on collective and state farms. D. Vasil'ev, K. Pankova, M. Rapoport. Vest. stat. no. 5:46-53 '64.

Alekseev, A. V., and IA. P. Borokhovich. [Calculating machines and their use in accounting] Schetnye mashiny i ikh primenenie v uchete. Moskva, Izd-vo "Kolos," 1964. 326 p. diagr. (insert)

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Tikhoretsk District

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Buryat A.S.S.R.; Siberia; Sweden; Tunisia)

Dissertation is discussed on a collective farm. N. E. Aralov. Vest. vys. shkoly 22 no. 4:87-88 Ap '64.

Take the floor, economists! V.A. Pronin, V.M. Kushnir. Vest. vys. shkoly 22 no. 4:14-16 Ap '64.

AGRICULTURE—ECONOMIC ASPECTS—BIBLIOGRAPHY see Bibliography—Agriculture—Economic aspects

AGRICULTURE—EXPERIMENTATION

Let's experiment! Nar. obr. no. 4 Supplement:1-16 Ap '64.

AGRICULTURE—FINANCE

Capital investments are the basis of agricultural intensification. M. Ustinov. Ekon. sel'khoz. 35 no. 4:116-117 Ap '64.

Several indices of agricultural development in 1963. Vest. stat. no. 5:79-85 '64.

AGRICULTURE—LABOR PRODUCTIVITY

Meet the Great October with glorious deeds! Mekh. sil'. hosp. 13 no. 10:1-2 O '62.

[Work with people is the main concern] Glavnoe - rabota s liud'mi. Moskva, Sovetskaia Rossiia, 1962. 140 p. (Resheniia XXII s"ezda KPSS-v zhizn'!)
(MIU)

AGRICULTURE—MAPS

Method for mapping the world agricultural maps. L. F. IAnvareva. Izv. AN SSSR. Ser. geog. no. 2:133-139 Mr-Ap '64.

AGRICULTURE—STATISTICS

(see also subdivision under Kuban)

Gaabe, IU. E., I. I. Levitin, and A. N. Pavlov. [Agricultural statistics] Statistika sel'skogo khoziaistva. Pod red. A. N. Pavlova. Moskva, Izd-vo "Statistika," 1964. 382 p.

AGRICULTURE—STUDY AND TEACHING

(see also subdivision under Chamzinka District; Daghestan; Orenburg Province; Ryazan Province)

Beginning of a new era. N. Karaseva. Sots. obesp. 25 no. 4:36-40 Ap '64.

In our student brigade. M. Mendel'. Shkola i proizv. 8 no. 3:91 Mr '64.

Let's carry out the decisions of the plenum. Shkola i proizv. 8 no. 3:2-4 Mr '64.

Production training in the schools for rural youth. V. Sukhoverkhov. Nar. obr. no. 5:91-95 My '64.

They patronize a school lot and a collective farm. M. Mukhamedov. Nar. obr. no. 5:35-37 My '64.

When a degree project answers the requirements of industry. V. I. Lisunov. Vest. vys. shkoly 22 no. 4:12-14 Ap '64.

AGRICULTURE—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Kirghizistan)

Notes on books. Sov. profsoiuzy 20 no. 8:47 Ap '64.

AGRICULTURE, COOPERATIVE

(see also subdivision under Europe, Eastern)

"Outline history of the collectivization of agriculture in the Union Republics." G. V. Sharapov. Vop. ist. 39 no. 5:123-126 My '64.

AGRICULTURISTS see subdivision under Alekseyevka District (Tselinograd Province)

AHUND-ZÀDE, FETH ALI, 1812-1878

Akhundov, M. F. [Text of letters written in the Farsi language] Tekst pisem, napisannykh na farsidskom iazyke. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 45, 450 p. [In Azerbaijani, Russian, and Persian]

AHYPNON

Clinical experience with the use of new analeptics, bemegride (megimide) and ahypnon. N. A. Erivantsev, E. P. Svadzhian. Eksper. khir. i anest. 8 no. 4:77-81 Jl-Ag '63.

AIR—ANALYSIS

Chromatographic determination of helium, neon, and hydrogen impurities in air [with summary in English]. N. M. Turkel'taub and others. Zhur. anal. khim. 19 no. 1:133-134 '64.

Modified methods of determining furfural in the air. R. U. Ubaidullaev. Lab. delo no. 5:300-302 '64.

AIR—MICROBIOLOGY

(see also subdivision under Odessa)

Use of blood agar with salt for the isolation of toxigenic staphylococci from the air. L. S. Sarochinskaia. Lab. delo no. 3:167 '64.

AIR—POLLUTION
(see also subdivision under Archangel; Novosibirsk)

Establishing permissible concentration of phenols in the atmosphere. A.A.Itskovich, V.A.Vinogradova. Okhr. prir.Sib.i Dal'.Vost. no.1:139-145 '62.

AIR—PURIFICATION

Existence of an aerodynamic crisis when a stream of light aerosols or gas is allowed to propagate in a closed room. V.F.Dunskii, A.I.Sidorov. Inzh.-fiz. zhur. 7 no.3:42-45 Mr '64.

AIR, IONIZED see subdivision under Tskhaltubo (Georgia)

AIR, IONIZED—PHYSIOLOGICAL EFFECT

Highly ionized air as a factor in increasing physical work capacity. A.A.Minkh. Vest.AMN SSSR 18 no.2:33-38 '63.

AIR BRAKES—TESTING

Operative efficiency of air distributors at low temperatures. P.A.Sugak. Vest.TSNII MPS 23 no.3:26-29 '64.

AIR COMPRESSORS

Illarionova, T.M., and A.I.Kirsanov. [New developments in air drilling techniques abroad] Novoe v zarubezhnoi tekhnike dlia bureniia s produvkoi vozdukhom. Moskva, Izd-vo "Nedra," 1964. 52 p.

Role of booster units in a mine compressed air system. K.I.Khomytsevich. Ugol' 38 no.12:28 D '63.

Some characteristic defects of compressor plants in Kuznetsk Basin mines. B.M.Titov and others. Izv. vys.ucheb.zav.; gor.zhur. 6 no.12:132-140 '63.

AIR FLOW

Study of a vertical submerged turbulent stream incident on the plane of a smooth ceiling. A.T.Sychev. Inzh.-fiz.zhur. 7 no.3:46-53 Mr '64.

AIR PILOTS

Glorious family of heroes. Kryl.rod. 15 no.4:11 Ap '64.

AIR PREHEATERS

Method for the thermal calculation of regenerative air preheaters of boiler units. I.E.Dubovskii, V.K.Migai, V.S.Nazarenko. Energomashinostroenie 9 no.3:47-48 Mr '63.

AIR PREHEATERS—RELIABILITY

Investigating the reliability of boiler air preheaters on the steamer "Leninskii Komsomol." B.S.Karandashov. Inform.sbor.TSNIIMF no.87.Tekh.ekspl.mor.flota no.20:43-56 '62.

AIRCRAFT—DESIGN AND CONSTRUCTION

Calculating controlled coordinates of the points of frame and linear surfaces of an aircraft. V.A.Osipov. Izv. vys.ucheb.zav.;av.tekh. 7 no.1:161-169 '64.

AIRCRAFT—DYNAMICS

Determining the fuel mass ratio and thrust-weight ratio of an aircraft at a given law of its motion. L.S.Chernobrovkin. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:37-46 '64.

AIRFOILS

Design of V-shaped stubbed wings by the method of horseshoe vortexes. B.V.Mirokhin. Izv.vys.ucheb. zav.;av.tekh. 7 no.1:18-27 '64.

AIRGLOW—SPECTRA

Continuous spectrum of nocturnal radiation and photoelectric observations of intensity variations in the [OI] 5577 and NaD emissions. V.M.Morozov. Izv.AN SSSR.Ser.geofiz. no.4:604-614 Ap '64.

AIRLINES—COST OF OPERATION

Method for a comprehensive calculation of the operational expenditures of a freight airplane at the stage of its designing. A.V.Glichev. Trudy MAI no.154:20-25 '63.

AIRPLANE INDUSTRY—FINANCE

Method for a comprehensive calculation of the operational expenditures of a freight airplane at the stage of its designing. A.V.Glichev. Trudy MAI no.154:20-25 '63.

Some general principles for the determination of economic efficiency of aviation equipment. D.P.Andrianov. Trudy MAI no.154:3-19 '63.

AIRPLANE INDUSTRY—MANAGEMENT

Planning work in design and construction. D.E.Starik, A.P.Smirnova, V.M.Egorov. Trudy MAI no.154:70-80 '63.

AIRPLANES—AERODYNAMICS

Accounting for balancing losses in airplane aerodynamics. S.IU.Skripnichenko. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:28-36 '64.

AIRPLANES—COST OF CONSTRUCTION

Comprehensive calculation of the cost of a commercial airplane at the stage of its designing. L.M.Kul'berg. Trudy MAI no.154:26-33 '63.

AIRPLANES—ELECTRONIC EQUIPMENT

Transistorized ignition system. O.E.Buslovskii, V.V. Pasynkov. Izv.LETI no.43:108-111 '60.

AIRPLANES—LUBRICATION

Obtaining MS-20 aircraft oil from a mixture of petroleums of the upper Cretaceous sediments in the Chechen-Ingush A.S.S.R. O.A.Artem'eva, A.G.Martynenko, S.I.Stepuro. Trudy GrozNII no.15:220-228 '63.

AIRPLANES—MODELS

A maneuver should be felt. IU.Skotnikov. Kryl.rod. 15 no.4:26-27 Ap '64.

Start, boys! Kryl.rod. 15 no.4:23 Ap '64.

AIRPLANES—RAMJET ENGINES

Preliminary filtration as a factor increasing the thermal stability of fuels for ramjet engines. I.N.Danilov, Kh.A.Murzabulatov. Trudy BashNII NP no.6:102-105 '63.

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

Bel'skii, L.L. [Airplane is ready for flight] Samolet k poletu gotov! Moskva, Voenizdat, 1964. 54 p. (Otlichniki ucheby - o svoem opyte)

AIRSHIPS

Dirigibles in forestry. V.M.Pikalkin, E.P.Nikol'skii. Les.khoz. 17 no.4:75-76 Ap '64.

AIRY FUNCTIONS

Stressed state of an infinite strip. S.M.Kotliar. Izv. vys.ucheb.zav.; mat. no.1:69-72 '64.

AIVAZOVSKII, IVAN KONSTANTINOVICH, 1817-1900

I.K.Aivazovskii and Armenian culture [in Armenian with summary in Russian]. M.S.Sarkisian. Ist.-filol. zhur. no.4:25-38 '63.

AJMALINE

Polarographic method of determining ajmaline. Report No.1. N.IA.TSarenko, IU.E.Orlov, M.S.Shraiber. Med.prom. 17 no.9:38-40 S '63.

AKHUNDOV, MIRZA FATALI see Ahund-Zade, Feth Ali, 1812-1878

AKMOLINSK PROVINCE see Tselinograd Province

AKTASH PLAIN (DAGHESTAN)—SOILS AND CLIMATE

Several problems in the soil zonality of the Aktash piedmont plain in Daghestan. Z.G.Zalibekov. Izv.Vses. geog.ob-va 96 no.2:139-140 Mr-Ap '64.

AKTYUBINSK—CHEMICAL INDUSTRIES—MANAGEMENT

A door leading to prosperity. I.Shishov. Part.zhizn' Kazakh. 34 no.1:18-21 Ja '64.

AKTYUBINSK—LECTURERS

Who is lecturing in Aktyubinsk? A.Mamyrdbaev. Part. zhizn' Kazakh. 34 no.4:53-54 Ap '64.

AKTYUBINSK PROVINCE—FOLDS (GEOLOGY)

New data on the subsurface structure of the Dzhusy fold in the Ural Mountain portion of Aktyubinsk Province. P.IA.Avrov and others. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:61-67 Mr-Ap '64.

AKTYUBINSK PROVINCE—PARASITES—SHEEP

Dynamics of the helminth infestation of sheep in Aktyubinsk Province. P.P.Osipov. Paraz.sel'khoz.zhiv. Kazakh. 2:22-31 '63.

AKTYUBINSK PROVINCE—WORMS, INTESTINAL AND PARASITIC

Dynamics of the helminth infestation of sheep in Aktyubinsk Province. P.P.Osipov. Paraz.sel'khoz.zhiv. Kazakh. 2:22-31 '63.

ALAGEZ, MOUNT see Aragats, Mount

ALAKUL' DEPRESSION—FAULTS (GEOLOGY)

Hercynian shifts along the Dzungarian fault. A.Kh. Ivanov, V.S.Voitovich. Izv.AN SSSR.Ser.geol. 29 no.2:27-43 F '64.

ALAMEDIN VALLEY—GLACIERS

Some features of the present-day glaciation of the Alamedin Basin, Kirghiz Ala-Tau. E.V.Maksimov. Izv. Vses.geog.ob-va 96 no.1:46-49 Ja-F '64.

ALANINE

Derivatives of hydroxylamine. Report No.6: Synthesis and some reactions of β-aminohydroxyalanine. R.M. Khomutov, M.IA.Karpeiskii, E.S.Severin. Izv.AN SSSR.Ser.khim. no.4:680-685 Ap '64.

ALASHEYEV BIGHT—OCEANOGRAPHY

Fluctuation of the sea level in Alasheyev Bight on the Enderbi Land. A.N.Tarasov. Okeanologiia 4 no.2: 265-266 '64.

ALASKA—PETROLEUM PRODUCTION

First year in the exploitation of the Swanson River field. K.Davison. Neftepром.delo no.10:42-43 '63.

ALASKITE see subdivision under Indigirka Valley

ALATAU, DZUNGARIAN see Dzungarian Alatau

ALATAU, KUZNETSK see Kuznetsk, Alatau

ALAY MOUNTAINS—PRECIPITATION (METEOROLOGY)

Changes in the precipitation following the total utilization of the Amu Darya waters for irrigation purposes. K.V.Kuvshinova. Izv.AN SSSR.Ser.geog. [illegible] 49 Mr-Ap '64.

ALBUMIN

Determining the isoelectrical point of egg albumin by high-frequency titration. E.A.Chistiakova, [illegible] Kurilenko. Izv.vys.ucheb.zav.; pishch.tekh. no.2: 153-156 '64.

ALCOHOL

Formation of the curves of yield in elution analysis. T.V.Gorenko, L.N.Naumova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:148-152 '64.

ALCOHOL—PHYSIOLOGICAL EFFECT

Effect of different stimuli of intestinal secretion on the enzymic activity of the contents of the small [illegible] intestine. A.N.Vozin. Sbor.nauch.trud.Ivan.gos.med. inst. no.25:39-40 '62.

ALCOHOL, DENATURED

Possibilities to economize are not used. [illegible] T.Freiman. Fin.SSSR 38 no.4:50-61 Ap '64.

ALCOHOLISM

Clinical aspect and psychopathology of protracted and chronic alcoholic hallucinations following a course with the syndrome of psychic automatism. M.G.[illegible] Trudy Dush.med.inst. 61:45-59 '63.

Correlation of the clinical characteristics of schizophrenic remissions complicated by alcoholic intoxication and some pathophysiological and immunological indices. G.D.Zabrodin. Zhur.nevr.i psikh. 64 no.3:401-[illegible] '64.

One atypical hallucinative phenomenon in acute alcoholic psychoses. S.E.Umarov. Trudy Dush.med.inst. 61: 79-80 '63.

Quantitative chemical reactions in the diagnosis of intoxication. V.F.Kamenev. Lab.delo 9 no.[illegible]:46-52 [illegible]

ALCOHOLS

Determination of higher alcohols in the control of their synthesis by the measurement of dielectric constants. T.F.TSellinskaia, N.I.Ivanova. Zav.lab. 30 [illegible] 536-537 '64.

Dielectric properties of polyhydric alcohols in the liquid state [with summary in English]. A.V.Komandin, [illegible] Shimit. Zhur.fiz.khim. 37 no.3:510-516 Mr '63.

Formulas for calculating the quantity of theoretically possible isomers of monosubstituted alcohols. [illegible] Pishnamazzade. Azerb.khim.zhur. no.1:49-56 '64.

Quasitautomeric transformations of aminotriphenylcarbinols. N.G.Belotserkovskaia, O.F.Ginzburg. Dokl. AN SSSR 155 no.5:1098-1100 Ap '64.

Strength of acids in hexyl and tertiary butyl alcohols. N.V.Lichkova, V.I.Dulova. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:10-14 '64.

Study of the formation of zinc-chromium catalysts for the synthesis of alcohols. Part 1. I.P.Kirillov, [illegible] Opolovnikova, A.M.Alekseev. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:77-83 '64.

ALDEHYDES

Synthesis of dialdehydes of the furan series. V.G.Glukhovtsev, S.V.Zakharova, A.D.Petrov. Dokl.AN SSSR 155 no.5:1111-1114 Ap '64.

ALDRIDGE, IRA FREDERICK, d. 1867

Kulinych, I.M. [The poet and the tragedian; a literary and historical sketch of the friendship of the great artists, Taras Shevchenko and Ira Aldridge] Poet i trahik; istoryko-literaturnyi narys druzhby velykykh myttsiv - Tarasa Shevchenka i Aira Oldridzha. Kyiv, Naukova dumka, 1964. 70 p. (Naukovo-populiarna literatura)

ALEKSANDROVSK (PERM PROVINCE)—DESCRIPTION, GEOGRAPHY

Dodov, G.I., and IU.I.Kochetov. Aleksandrovsk. Perm', Permskoe knizhnoe izd-vo, 1963. 70 p. (Goroda Permskoi oblasti)

ALEKSEYEVKA DISTRICT (TSELINOGRAD PROVINCE)—AGRICULTURISTS

Specialists are pinned down to tables. G.Gavriliuk. Part.zhizn' Kazakh. 34 no.3:23-24 Mr '64.

ALEKSII, Patriarch of Russia, 1877-

Celebration of the name day of His Holiness Patriarch Aleksii. Zhur.Mosk.Patr. no.4:17-18 '64.

ALEXIA

"Pure" alexia, its relation to other cortical functions and its dynamics during the process of restorative learning. S.V.Babenkova, V.N.Volkov. Zhur.nevr. i psikh. 64 no.2:166-171 '64.

ALFALFA
(see also subdivision under [illegible])

[illegible] '64.

Results of using [illegible] alfalfa [illegible] '64.

ALFALFA—ANALYSIS AND CHEMISTRY

[illegible]

ALFALFA—WATER REQUIREMENTS see subdivision under Nakhichevan A.S.S.R.

ALFARO SIQUEIROS, DAVID, 1896-

[illegible] 27 no.2:22-27 '64.

ALGAE
(see also subdivision under [illegible] Plankton, [illegible])

[illegible] '63.

[illegible]

[illegible]

[illegible]

[illegible] algae [illegible]

[illegible]

[illegible]

ALGAE—CULTURES AND CULTURE MEDIA

[illegible]

ALGAE AS FOOD

[illegible]

ALGEBRA

[illegible]

ALGEBRA, ABSTRACT

[illegible] algebra [illegible] Moscow, [illegible] 1962. 105 p. [illegible] (MIRA)

ALGEBRA, UNIVERSAL

[illegible]

ALGEBRAIC FIELDS see Fields, Algebraic

ALGERIA—ECONOMIC CONDITIONS

[illegible]

[illegible]

ALGERIA—FOREIGN ECONOMIC RELATIONS—FRANCE

[illegible]

ALGERIA—HISTORY

[illegible] Ap '64.

ALGERIA—TRADE UNIONS

[illegible] '64.

ALGORITHMS

Algorithms for the recognition of algebras with multiple parameters and methods for its application. [illegible] Ap '64.

Algorithms of [illegible] in a [illegible] problem. [illegible] '64.

Computational algorithms for the approximate solution of operator equations. P.S.Bondarenko. Dop.AN URSR no.3:290-294 '64.

Solution of biharmonic problems by the method of differences [with summary in English]. B.M.Mozok. Dop. AN URSR no.3:316-320 '64.

Solution of the word identity problem for a certain class of groups by means of Dehn's algorithm and solution of the conjugacy problem by means of an extension of Dehn's algorithm. Martin Greendlinger. Dokl.AN SSSR 154 no.3:507-509 Ja '64.

ALHAGI see subdivision under Turkmenistan

ALIESTERASE

Activity and its alteration of aliesterase and cholinesterase [illegible]. S.A.Roslavtseva, P.V.Popov. Khim. v sel'. khoz. 2 no.2:25-28 F '64.

ALIKHANOV, ABRAM ISAAKOVICH, 1904-

A.I.Alikhanov; on his 60th birthday. Atom.energ. 16 no.4:[illegible] Ap '64.

ALIMENTARY CANAL

Growth and development of the gastrointestinal tract in young [illegible] sheep. A.S.Ismailov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:75-80 '63.

ALIMENTARY CANAL—CANCER

[illegible] in cancer of the gastrointestinal tract. V.K.Kostina. Zdrav.Bel. 9 no.6:[illegible] Je '63.

ALIMENTARY CANAL—DISEASES
(see also subdivision under Moldavia)

[illegible] intestinal diseases in [illegible] diagnostic [illegible] [with summary in English]. [illegible] Je '62.

[illegible] of gastrointestinal diseases [illegible] the diagnostic intestinal [illegible] for the past five years (from 1955 [illegible]). [illegible] '62.

[illegible] in gastroenterology [illegible]

[illegible] by the organs of the gastrointestinal tract [illegible] [with summary in English]. [illegible] Ja '64.

[illegible] of the [illegible] '64.

ALIMENTARY CANAL—SURGERY

[illegible], A.M. [Technical errors on one of the possible methods for the reconstruction of the alimentary canal following gastric resection] [illegible] 1962. [illegible] p.
(MIRA)

ALIMONY

[illegible], A.F. [Protection of the rights and interests of children] Zashchita prav i interesov detei. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1960. 20 p. (Massovaia iuridicheskaia biblioteka)
[MICROFILM]

ALKALI METAL HALIDE CRYSTALS

Effect of the electric field on the development of porosity during mutual diffusion in single alkali halogen crystals. IA.E.Geguzin, [illegible]. Dokl.AN SSSR 156 no.1: [illegible] '64.

Mechanism and kinetics of the growth of negative crystals (pores) during mutual diffusion in alkali metal halide single crystals of the system KCl - KBr. IA.E.Geguzin, [illegible]. Kristallografiia 9 no.2:[illegible] Mr-Ap '64.

ALKALI METALS

Certain features of the polarography of alkali metal ions in aqueous and aqueous-ethyl alcohol media [with summary in English]. [illegible]. Zhur.anal.khim. 17 no.2:218-222 Mr '62.

Depolarization in the deposition of alkali metals on liquid cathodes [with summary in English]. M.F. Lantratov, [illegible]. Zhur.fiz.khim. 36 no.11:2442-2447 N '62.

ALKALIES

Colorimetric determination of free alkalies and acids in the preparations barbamyl and sodium ethaminal [with summary in English]. V.E.Egert, A.A.IUrko. Apt. delo 11 no.3:38-41 My-Je '62.

Determining the free and bound alkalies in chemical substances by the conductometric method. [illegible]. Izv.vys.ucheb.zav.; khim.i khim.tekh. [illegible] no.10:[illegible] '63.

Kinetics of the chemisorption of bromine by liquid alkali absorbers. V.I.Kovalenko, [illegible]. Khim. prom. no.5:[illegible] My '64.

ALKALINE EARTH FLUORIDES—SPECTRA

Study of the electric and magnetic series in the luminescence spectra of alkaline earth fluorides activated with hexavalent uranium. A.A.Kaplianskii, N.A. Moskvin, P.P.Feofilov. Opt.i spektr. 16 no.4:[illegible]-677 Ap '64.

ALKALINE EARTH METALS—ANALYSIS

Complexometric determination of magnesium and calcium in the products of the titanium industry [with summary in English]. V.N.Tikhonov, M.IA.Gronkina, V.I. Koroleva. Zhur.anal.khim. 19 no.[illegible]-662 '64.

ALKALINE EARTH OXIDES

Determining calcium and magnesium oxide content of titanium dioxide. V.A.Malevannyi. Khim.volok. no.3:70-71 '64.

ALKALINE EARTH SELENIDES

Interaction of samarium and gallium selenides $A^{III}_2B^{VI}_3$. G.Kh.Ifendiev, Z.Sh.Karaev, I.O.Sandlov. Azerb.khim.zhur. no.1:125-131 '64.

ALKALOIDS

Alkaloids of the arctic spoonwort, Cochlearia arctica Schlecht. T.F.Platonova, A.D.Kuzovkov. Med. prom. 17 no.10:10-20 O '63.

Alkaloids of Ungernia trisphaera Bge. Kh.Allaiarov, Kh.A.Abduazimov, S.IU.IUnusov. Uzb.khim.zhur. 8 no.2:[illegible]-51 '64.

Certain problems involved in the stereochemistry of spirodienone alkaloids. A.S.Sadykov, A.I.Ishbaev, [illegible] A.Aslanov. Dokl.AN SSSR 155 no.4:[illegible] Ap '64.

Interactions of some alkaloids of the morphine series with iodine chloride. M.A.Ibragimova, [illegible]. Dokl.AN SSSR 155 no.5:1110-1151 Ap '64.

Restoration of alkaloid biosynthesis in hybrid lupine obtained from crossing incompatible pairs of alkaloidless varieties. N.V.[illegible] and others. Dokl.AN SSSR 155 no.2:[illegible]-450 Mr '64.

Use of ultrasound for the extraction of substances from plants. G.D.Almukhamedova, G.M.Kornieva. Izv. AN Kaz. SSR.Ser.med.i fiziol. no.3:[illegible] '62.

ALKANES see Paraffins

ALKENES see Olefins

ALKYD RESINS

Substitute for tung oil in the manufacture of glyptal lino-[illegible]. N.P.[illegible]. Masl.-zhir.prom. 30 no.3:[illegible] Mr '64.

Synthesis and analysis of alkyd resins based on synthetic fatty acids and cotton soapstock acids. [illegible], A.E.Markman. Masl.-zhir.prom. 30 no.3:[illegible]-34 Mr '64.

ALKYLATION

Alkylation of [illegible] ethers with [illegible] chloride. [illegible] and others. Azerb.khim. zhur. no.1:[illegible] '64.

Alkylation of benzene with propylene in the presence of $AlCl_3$ at 40°. E.P.Babin, V.P.Marshtupa. Zhur.fiz. khim. 37 no.3:[illegible] Mr '63.

Alkylation of ferrocene. A.N.Nesmeianov and others. Izv.AN SSSR. Ser.khim. no.3:[illegible] My '64.

Alkylating toluene with propylene in the presence of aluminum chloride and polyalkyl toluenes. V.P. [illegible], A.Z.[illegible], M.G.Mitrofanov. Trudy GrozNII no.15:[illegible] '63.

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No.77: Alkylation of cyclohexane and benzene by means of a mixture of carbon monoxide and hydrogen in the presence of a [illegible] catalyst. IA.T.Eidus, N.K. Sokolov, A.V.Lebedeva. Izv.AN SSSR.Ser.khim. no.4: 720-723 Ap '64.

Drying a butane-butylene fraction in an alkylation unit using diethylene glycol. T.A.Kolesnikova, N.A. Sadykov. Trudy BashNII NP no.6:[illegible] '63.

Kinetics of the gas-liquid alkylation of benzol by propylene and butylene. I.M.Kolesnikov, I.G.Mirgaleev, IA.M.Paushkin. Khim.prom. no.3:174-178 Mr '64.

Studying the operation of a unit for the sulfuric acid alkylation of isobutane with butylenes with consecutive feeding of the contactors in the Novogroznyy Petroleum Refinery. E.G.Vol'tsova and others. Trudy GrozNII no.15:127-135 '63.

Synthesis of surfactants and cleaning compounds on a base of products of naphtha alkylation with thermal-cracking gasoline [in Azerbaijani with summary in Russian]. M.A.Aslanov and others. Azerb.neft.khoz. 43 no.4: 41-43 Ap '64.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLERGY

Biological activity of skin tularin at various periods after preparation [with summary in English]. G.P. Uglovoi. Zhur.mikrobiol.,epid.i immun. 40 no.4: 128-131 Ap '63.

ALLERGY (Continued)

Functional changes in higher regions of the brain in allergic skin reactions in sensitized animals; based on electroencephalographic data [with summary in English]. A.P.K[illegible], V.S.Angel[illegible]. Vest.derm.i ven. 37 [illegible] My '63.

Functional disorders of the nervous system in patients with skin allergy symptoms (allergids, microbids). V.A. [illegible]. Vest.derm.i ven. 37 no.4:26-32 Ap '63.

Pediatric clinical and roentgenological follow-up of children with first signs of tuberculin allergy. I.P.Parfenova, G.I.Irigin. Pediatriia 42 no.9:27-33 S '63.

Serum protein fractions in sensitized rabbits (in the dynamics of Arthus' phenomenon) and the influence of ACTH exerted on them. K.S.Suleimanov. Nauch.trudy Sam.MI 31:14[illegible]-151 '62.

ALLIANCE FOR PROGRESS

Washington's anxieties. O.Afanas'eva. Mezhdunar. zhizn' 11 no.5:113-114 My '64.

ALLOPHANE

Allophanes. F.V.Chukhrov and others. Izv.AN SSSR. Ser.geol. 29 no.4:3-19 Ap '64.

ALLOYS

Microspectral method of studying nonmetallic inclusions. N.V.Korolev, G.A.Faivilevich. Zav.lab. 30 no.5: 557-559 '64.

Theory of electric transport. Part 3. D.K.Belashchenko. Zhur.fiz.khim. 36 no.11:2496-2499 N '62.

ALLOYS—ANALYSIS

X-ray absorption analysis of two- and three-component alloys and mixtures. V.N.Karev. Zav.lab. 30 no.5: 548-551 '64.

ALLOYS—MAGNETIC PROPERTIES

Discovery of new laws governing binary alloys. R.G. Annaev. Trudy Turk.sel'khoz.inst. 11 no.2:5-13 '62.

ALLOYS—METALLURGY

Nekhendzi, IU.A. [Effect of vacuuming on the properties of cast alloys; stenographic record of lectures] Vliianie vakuumirovaniia na svoistva splavov v litom sostoianii; stenogramma lektsii. Leningrad, 1963. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Liteinoe proizvodstvo)

ALLOYS—THERMODYNAMICS

Energy of the pure component in the theory of regular atomic solutions. D.M.Laptev. Izv.vys.ucheb.zav.; chern.met. 7 no.4:20-25 '64.

ALLUVIAL PLAINS

What are the flood lands? L.V.Klimentov. Izv.Vses. geog.ob-va 95 no.1:64-67 Ja-F '64.

ALLUVIUM

Significance of the lithological method for the stratigraphic division of terrace alluvial sediments in the glacial and extraglacial regions. M.I.Plotnikova. Mat.VSEGEI. Chet.geol.i geomorf. no.4:270-288 '61.

ALLYL ALCOHOL

Mechanism of the vapor phase reduction of allyl alcohol to n-propyl alcohol. S.D.Mekhtiev, O.A.Narimanbekov. Azerb.khim.zhur. no.1:31-35 '64.

New π-allyl complex of palladium. I.I.Moiseev, M.N. Vargaftik, IA.K.Syrkin. Izv.AN SSSR.Ser.khim. no.4:775 Ap '64.

ALLYL GROUP

Electron interaction of allyl derivatives of elements of the IV group [with summary in English]. V.A.Kuprievich, IU.P.IEhorov, H.H.Diadiusha. Dop.AN URSR no.4:508-510 '64.

ALMA-ATA—ACCOUNTING

Special features of using the new accounting method. G.Nidekker. Nar.khoz.Kazakh. 22 no.4:33-36 Ap '64.

ALMA-ATA—ATHEISM—STUDY AND TEACHING

In the struggle for man. B.Samsonov, I.Maliar. Part. zhizn' Kazakh. 34 no.3:28-31 Mr '64.

ALMA-ATA—CHILDREN—DISEASES

Infectiousness of morbidity dynamics of tuberculosis in infants in Alma-Ata. M.A.Krivoshto. Zdrav.Kazakh. 23 no.4:56-58 '63.

ALMA-ATA—COOKIES

There will be a hundred tons more! R.Anoshkina. Nar. khoz.Kazakh. 22 no.4:31 Ap '64.

ALMA-ATA—DOGS—DISEASES AND PESTS

Studying toxoplasmosis in dogs in Alma-Ata. V.F.Novinskaia. Paraz.sel'khoz.zhiv.Kazakh. 2:168-172 '63.

ALMA-ATA—EFFICIENCY, INDUSTRIAL

Movement for communist labor. N.Dykhnov. Part. zhizn' Kazakh. 31[i.e.32] no.8:16-22 Ag '62.

ALMA-ATA—HYPERTENSION

Comparative data on the course of hypertension under the conditions of Alma-Ata and Semipalatinsk. V.A.Sobolev. Zdrav.Kazakh. 22 no.10:34-40 '62.

ALMA-ATA—SCHOOL HYGIENE

Hygienic evaluation of the schedule for schoolchildren in Alma-Ata. N.G.Sindina. Zdrav.Kazakh. 23 no.4: 67-70 '63.

ALMA-ATA—SCHOOLHOUSES—LIGHTING

Artificial illumination in schools in Alma-Ata. N.G. Sindina. Zdrav.Kazakh. 22 no.10:65-67 '62.

ALMA-ATA—SECTS

The end of the cave apostles. V.Ilov. Part.zhizn' Kazakh. 34 no.3:31-34 Mr '64.

ALMA-ATA—TOXOPLASMOSIS

Studying toxoplasmosis in dogs in Alma-Ata. V.G.Novinskaia. Paraz.sel'khoz.zhiv.Kazakh. 2:168-172 '63.

ALMA-ATA—TUBERCULOSIS

Infectiousness of morbidity dynamics of tuberculosis in infants in Alma-Ata. M.A.Krivoshto. Zdrav.Kazakh. 23 no.4:56-58 '63.

ALMA-ATA—TURNING—TECHNOLOGICAL INNOVATIONS

Innovators' council. D.IAvorskii. Nar.khoz.Kazakh. 22 no.4:26-28 Ap '64.

ALMA-ATA PROVINCE—BOTANY, MEDICAL

Content of carotene in wild plants of Alma-Ata Province. N.S.Kuchinskaia. Zdrav.Kazakh. 22 no.10:59-62 '62.

ALMA-ATA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

The volunteer party commission in operation. M.Zherekhin, O.Zhanguttin. Part.zhizn' Kazakh. 34 no.3:40-43 Mr '64.

ALMA-ATA PROVINCE—DUCKS—DISEASES AND PESTS

Trichomonads of hens and ducks in Alma-Ata Province. S.M.Pak. Paraz.sel'khoz.zhiv.Kazakh. 2:129-134 '63.

ALMA-ATA PROVINCE—PARASITES—SWINE

Dynamics of the infestation of swine by the principal helminths in Alma-Ata Province. IA.N.Zakhrialov. Paraz.sel'khoz.zhiv.Kazakh. 2:57-71 '63.

ALMA-ATA PROVINCE—POULTRY—DISEASES AND PESTS

Trichomonads of hens and ducks in Alma-Ata Province. S.M.Pak. Paraz.sel'khoz.zhiv.Kazakh. 2:129-134 '63.

ALMA-ATA PROVINCE—SWINE—DISEASES AND PESTS

Observing toxoplasmosis in swine. E.M.Kuzovkin. Paraz.sel'khoz.zhiv.Kazakh. 2:173-180 '63.

ALMA-ATA PROVINCE—TOXOPLASMOSIS

Observing toxoplasmosis in swine. E.M.Kuzovkin. Paraz.sel'khoz.zhiv.Kazakh. 2:173-180 '63.

ALMA-ATA PROVINCE—TRICHOMONIASIS

Trichomonads of hens and ducks in Alma-Ata Province. S.M.Pak. Paraz.sel'khoz.zhiv.Kazakh. 2:129-134 '63.

ALMA-ATA PROVINCE—WORMS, INTESTINAL AND PARASITIC

Dynamics of the infestation of swine by the principal helminths in Alma-Ata Province. IA.N.Zakhrialov. Paraz.sel'khoz.zhiv.Kazakh. 2:57-71 '63.

ALMA-ATA REGION—CARP—DISEASES AND PESTS

Ichthyophthiriasis in carp in the Alma-Ata fish farms. A.I.Goriunova. Paraz.sel'khoz.zhiv.Kazakh. 2:163-167 '63.

ALMA-ATA REGION—PROTOZOA, PATHOGENIC

Ichthyophthiriasis in carp in the Alma-Ata fish farms. A.I.Goriunova. Paraz.sel'khoz.zhiv.Kazakh. 2:163-167 '63.

ALMANACS, UKRAINIAN see subdivision under Canada

ALOES—PHYSIOLOGICAL EFFECT

Effect of different doses of aloe on the working capacity of white mice. A.I.Suvorikova. Nauch.trudy Riaz. med.inst. 15:131-133 '62.

Effect of ephedrine and aloe on the function of the adrenal cortex. V.N.Leonova, V.D.Koz'min, M.N.Chernogorova. Nauch.trudy Riaz.med.inst. 15:53-55 '62.

ALPHA RAYS

One type of emission of charged particles from the surface of sulfate films on a metal basis. D.M.Mambetov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:89-97 '63.

Optimum thickness of an alpha-emitter in the spectrometric analysis of specimens of low-level radioactivity. L.S.Gorn, B.I.Khazanov. Atom.energ. 16 no.5:447-449 My '64.

Radiation damages in surface-barrier silicon counters irradiated by 5.5 Mev. alpha-particles. I.A.[illegible] Prib.i tekh.eksp. 9 no.2:113-116 Mr-Ap '64.

ALPINE FLORA see subdivision under Aragats, Mount

ALTAI MOUNTAINS—FISHES

Study of the problems of water and fish conservation in the Altai. B.G.Ioganzen. Okhr.prir.Sib.i Dal'.Vost. no.1:220-232 '62.

ALTAI MOUNTAINS—GALLIUM

Geochemistry of gallium in the formation of pyrite-complex metal ores. A.A.Garmash, N.K.Vlasova. Trudy IMGRE no.10:184-200 '63.

ALTAI MOUNTAINS—GNEISS

Middle Paleozoic crystalline schists and gneisses in the Irtysh shear zone. V.I.Vasil'eva. Trudy VSEGEI [illegible] 142-155 '63.

ALTAI MOUNTAINS—IRON ORES

Principles of the genetic classification of contact-metasomatic iron ore deposits in the Altai-Sayan region. V.A. Vakhrushev. Geol.rud.mestorozh. 5 no.6:[illegible] '63.

ALTAI MOUNTAINS—LARCH—DISEASES AND PESTS

Larch leaf roller in the forests of the Gornyy Altai. A.I.Cherepanov. Trudy Biol.inst.Sib.otd.AN SSSR no.10:51-56 '63.

ALTAI MOUNTAINS—LEAF ROLLERS

Larch leaf roller in the forests of the Gornyy Altai. A.I.Cherepanov. Trudy Biol.inst.Sib.otd.AN SSSR no.10:51-56 '63.

ALTAI MOUNTAINS—METALS, RARE AND MINOR

Distribution of the content of selenium, tellurium and tallium in pyritic-complex-metal ores of various crystalline maturity. I.M.IUdin. Dokl.AN SSSR [illegible] no.2:368-369 Mr '64.

Mineral composition of ores and rare elements in the Samara pyrrhotite-complex metal deposit. I.M.IUdin. Trudy IMGRE no.10:248-267 '63.

ALTAI MOUNTAINS—NAMES, GEOGRAPHICAL

Physicogeographical content of the terms "Gornyy Altai" and "Rudnyy Altai." A.S.Kriukov. Izv.Alt.otd.Geog. ob-va SSSR no.1:35-38 '61.

ALTAI MOUNTAINS—ORE DEPOSITS

Distribution of the content of selenium, tellurium and tallium in pyritic-complex-metal ores of various crystalline maturity. I.M.IUdin. Dokl.AN SSSR [illegible] no.2:368-369 Mr '64.

Geochemistry of gallium in the formation of pyrite-complex metal ores. A.A.Garmash, N.K.Vlasova. Trudy IMGRE no.10:184-200 '63.

Mineral composition of ores and rare elements in the Samara pyrrhotite-complex metal deposit. I.M.IUdin. Trudy IMGRE no.10:248-267 '63.

ALTAI MOUNTAINS—PHYSICAL GEOGRAPHY

Physicogeographical content of the terms "Gornyy Altai" and "Rudnyy Altai." A.S.Kriukov. Izv.Alt.otd.Geog. ob-va SSSR no.1:35-38 '61.

What is known about the geography of the Gornyy Altai. M.F.Rozen. Izv.Alt.otd.Geog.ob-va SSSR no.1:[illegible] '61.

ALTAI MOUNTAINS—ROCKS, CRYSTALLINE AND METAMORPHIC

Metamorphic rocks in the Narym and Kurchum Ranges (southern Altai). R.K.Grigaitis. Trudy VSEGEI [illegible] 156-165 '63.

Middle Paleozoic crystalline schists and gneisses in the Irtysh shear zone. V.I.Vasil'eva. Trudy VSEGEI [illegible] 142-155 '63.

ALTAI MOUNTAINS—RUNOFF

Fluctuations of the summer runoff of glacial rivers in the Altai. IA.K.Bashlakov. Izv.Alt.otd.Geog.ob-va SSSR no.1:39-46 '61.

ALTAI MOUNTAINS—SELENIUM

Selenium and tellurium in ores of the Zolotushinskoye deposit (Rudnyy Altai). A.A.Garmash, N.Z.Kurbanova. Trudy IMGRE no.10:136-157 '63.

ALTAI MOUNTAINS—TELLURIUM

Selenium and tellurium in ores of th Zolotushinskoye deposit (Rudnyy Altai). A.A.Garmash, N.Z.Kurbanova. Trudy IMGRE no.10:136-157 '63.

ALTAI MOUNTAINS—WATER CONSERVATION

Study of the problems of water and fish conservation in the Altai. B.G.Ioganzen. Okhr.prir.Sib.i Dal'.Vost. no.1:220-232 '62.

ALTAI TERRITORY—AGRICULTURE

Spring in the Altai Territory. A.Georgiev. Part.zhizn' Kazakh. 34 no.4:15-20 Ap '64.

ALTAI TERRITORY—EROSION

Effect of wind erosion on soils in western regions of the Altai Territory. S.I. Timofeev, S.M. Il'ina. Okhr.prir.Sib.i D.Vost. no.1:31-36 '62.

ALTAI TERRITORY—FOREST ECOLOGY

From the observations of pine strip forest vertebrates. N.N.Egorov. Izv.Alt.otd.Geog.obshch.SSSR no.1:55-74 '61.

ALTAI TERRITORY—GEOGRAPHICAL SOCIETIES

Work report of the Altai Department of the Geographical Society of the U.S.S.R. V.M.Ostroumov. Izv.Alt.otd.Geog.obshch.SSSR no.1:101-04 '61.

ALTAI TERRITORY—INDUSTRIES

Formation of the Altai economic complex and its development in the seven-year plan. A.P.Kovalkin. Izv.Alt.otd.Geog.obshch.SSSR no.1:18-20 '61.

Romaniuk, A. P., and N. Devid'iarov. [Maturity] Zrelost'. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 134 p. ([illegible])

ALTAI TERRITORY—PHENOLOGY

Materials of phenological observations in the Altai Territory. A.P.Kuchin. Izv.Alt.otd.Geog.obshch.SSSR no.1:105-30 '61.

ALTAI TERRITORY—PRODUCE TRADE

Planning the state purchases of agricultural products. N.Lakhtin. Plan.khoz. 41 no.5:30-33 My '64.

ALTAI TERRITORY—STUDENT ACTIVITIES

Wide horizons and clear goals. D.Aladkin. Sov.prof. no.9:37-40 My '64.

ALTAI TERRITORY—VERTEBRATES

From the observations of pine strip forest vertebrates. N.N.Egorov. Izv.Alt.otd.Geog.obshch.SSSR no.1:55-74 '61.

ALTAI TERRITORY—VOCATIONAL EDUCATION

Wide horizons and clear goals. D.Aladkin. Sov.prof. no.9:37-40 My '64.

ALTAIC LANGUAGES—PHONETICS

On Altaic dentals [illegible]. [illegible] Vop.iaz. 13 no.[illegible] '64.

ALTITUDE, INFLUENCE OF

Letter to the editor. [illegible]

Pathology of respiration in inhabitants of the [illegible] of moderate altitudes. [illegible]

Use of the polarographic method for determining the oxygen tension in [illegible] under the effect of high altitude flight. [illegible] Izv.AN SSSR.[illegible]

ALTITUDE, INFLUENCE OF—BIBLIOGRAPHY see Bibliography—Altitude, Influence of

ALUMINOSILICATES

Calculating the [illegible] Trudy [illegible] '63.

[illegible]

Phase composition of aluminosilicates and the [illegible] and others. [illegible] '64.

Reactions of high-molecular weight aliphatic [illegible] in the presence of aluminosilicate catalysts. [illegible] Ap '64.

[illegible] glasses. [illegible] Zhur.prikl.khim. 37 no.[illegible] Ap '64.

ALUMINUM

Thermal decomposition of aluminum alkyls. [illegible] and others. Khim.prom. no.3:171-173 Mr '64.

ALUMINUM—ANALYSIS

Determination of aluminum with hydroxyquinoline in metallic zirconium. V.M. Vladimirova, N.K. Davidovich. Metod.anal.khim.reak.i prepar. no.4:59-62 '62.

Determination of aluminum with salicylal o-aminophenol in lead salts. [illegible] Metod.anal.khim.reak.i prepar. no.4:[illegible] '62.

Determination of aluminum with salicylal o-aminophenol in red phosphorus. [illegible] Metod.anal.khim.reak.i prepar. no.4:[illegible] '62.

Determination of aluminum with salicylal o-aminophenol in sodium acetate. [illegible] Metod.anal.khim.reak.i prepar. no.4:[illegible] '62.

Determination of aluminum with salicylal o-aminophenol in water, acids, and hydrogen peroxide. [illegible] Metod.anal.khim.reak.i prepar. no.4:[illegible] '62.

ALUMINUM—CORROSION

Anticorrosive protection of the aluminum forms of the machines for the stabilization of [illegible] '64.

Part 2: Corrosion of aluminum in alkaline solutions with additions of oxidizers. [illegible] Izv.vys.ucheb.zav.; khim.i khim.tekh. [illegible] '64.

ALUMINUM—ELECTROMETALLURGY

Automatic determination of partial yield according to the current in the aluminum electrolytic reduction cell. [illegible] Avtom.i prib. no.[illegible] Ja-Mr '64.

ALUMINUM—THERMAL PROPERTIES

Experimental setup for studying heat transfer during the cooling of liquid aluminum in tubes. N.S.Filimonov and others. Teplofiz.vys.temp. 1 no.2:310-320 S-O '63.

ALUMINUM—WELDING

Welding aluminum with titanium. [illegible] '64.

ALUMINUM, STRUCTURAL—TESTING

Experimental study of the strength and rigidity of aluminum profiles in twisting and bending. [illegible]

ALUMINUM ALLOYS

[illegible]

[illegible]

ALUMINUM ALLOYS—WELDING

[illegible]

ALUMINUM BROMIDE

[illegible] Ap '64.

ALUMINUM-CARBON IRON ALLOYS see Iron-aluminum-carbon alloys

ALUMINUM CHLORIDE

[illegible]

ALUMINUM COMPOUNDS

[illegible]

ALUMINUM ELECTRODES see Electrodes, Aluminum

ALUMINUM INDUSTRY—ELECTRIC EQUIPMENT

[illegible]

ALUMINUM ORGANIC COMPOUNDS

[illegible] Ap '64.

[illegible] Report No.1. Synthesis of [illegible] and others. Izv.AN SSSR.Ser.khim. no.[illegible] Ap '64.

[illegible] [with summary in English]. [illegible] and others. [illegible] '64.

ALUMINUM OXIDE

Inhomogeneous composition of an anodic oxide film on aluminum from the data of chemical analysis. V.P. Parkhutik, A.F.Bogoiavlenskii. Zhur.prikl.khim. 37 no.[illegible] Ap '64.

ALUMINUM PHOSPHATES

Aluminum phosphates $Al_2O_3 \cdot 3P_2O_5$ and the interaction of $Al_4(P_2O_7)_3$ with fused potassium chloride. [illegible] Dokl.AN SSSR 154 no.[illegible] Ja '64.

ALUMINUM PLANTS—DESIGN AND CONSTRUCTION

New type of electrolysis department of an aluminum plant. [illegible] Prom.stroi. 41 no.[illegible] D '63.

ALUMINUM SALTS

Use of aluminum salts for the preservation of fur sheepskins. [illegible] Trudy VNIIMP no.[illegible] '62.

ALUNITE

Flotation of alunite ores. V.G.[illegible] Trudy Mekhanobr no.131:219-226 '62.

AMALGAMATED CLOTHING WORKERS OF AMERICA

V.I.Lenin and the Russian-American Industrial Corporation. L.I.Prokhorova. Vop.ist.KPSS 8 no.4:[illegible] Ap '64.

AMALGAMS

Determination of diffusion coefficients of metals in amalgams [with summary in English]. [illegible] Zhur.fiz.khim. 37 no.3:[illegible] Mr '64.

Study of electrode processes on amalgam by means of radiochemical and electrochemical measurements. Part 1 [with summary in English]. V.V.Losev, [illegible] Zhur.fiz.khim. 37 no.3:[illegible] Mr '64.

AMARANTH

Activity of enzymes in the rat liver in cancerogenesis induced by dimethylaminoazobenzene and following administration of the food dye amaranth. [illegible] Vop.pit. 21 no.5:[illegible] '62.

AMATEUR ART ACTIVITIES

Become acquainted with the beautiful. [illegible] Prof.soiuzy 20 no.[illegible] Ap '64.

Moscow. Tsentral'nyi dom narodnogo tvorchestva imeni N.K.Krupskoi. [Contemporary folklore, its collection and study; an aid for leaders of the collectives of amateur art activities, literary groups and amateur folklore collectors] Sovremennoe narodnoe tvorchestvo, ego sobiranie i izuchenie; v pomoshch' rukovoditeliam kollektivov khudozhestvennoi samodeiatel'nosti, literaturnykh kruzhkov i liubiteliam sobiraniia fol'klora. Moskva, 1963. 25 p.

[MICROFILM]

AMATEUR ART ACTIVITIES—BIBLIOGRAPHY see Bibliography—Amateur art activities

AMATEUR THEATRICALS see subdivision under Theater

AMATEUR THEATRICALS—BIBLIOGRAPHY see Bibliography—Amateur theatricals

AMBER—ABSORPTION SPECTRA

Infrared absorption spectra of Baltic amber (succinite). [illegible] Ap '64.

AMBROS, ZYGMUNT, [illegible]

[illegible]

AMEBIASIS

[illegible]

AMERICA—ETHNOLOGY

[illegible]

[illegible]

AMERICAN LITERATURE—TRANSLATIONS INTO RUSSIAN

Salinger's novel "The catcher in the rye" and its translation into Russian. [illegible] '64.

AMIDES

Condensation of [illegible] and others. Izv.AN SSSR.Ser.khim. no.[illegible] '64.

Possibility of using polyamides in the oil industry. [illegible]

Properties of the amides of phosphoric acids. Part 2: New method of preparation of phosphoric acid polyamides [with summary in English]. K.A.Petrov and others. Vysokom.soed. 6 no.1:[illegible] Ja '64.

Synthesis of polyesters and polyamides based on nitrophthalic acids by interfacial polycondensation [with summary in English]. V.V.Korshak and others. Vysokom.soed. 6 no.1:[illegible] Ja '64.

AMINE OXIDASE

Determination of the activity of mitochondrial monoamine oxidase by spectrophotometry [with summary in English]. V.Z.Gorkin and others. Biokhimiia 27 no.[illegible] '62.

Use of zonal electrophoresis in vertical columns with a new anticonvection material (granulated polymethylmethacrylate) for purification of amine oxidase in the blood serum [with summary in English]. V.Z.Gorkin and others. Vop.med.khim. 8 no.[illegible] '62.

AMINES

Berkman, B. E. [Industrial synthesis of aromatic nitrocompounds and amines] Promyshlennyi sintez aromaticheskikh nitrosoedinenii i aminov. Moskva, Izd-vo "Khimiia," 1964. 343 p.

AMINES (Continued)

Condensation of alkyl phenols with formaldehyde and secondary amines. A.M.Kuliev, N.F.Masneva, F.N. [illegible]. Azerb.khim.zhur. no.1:43-47 '64.

Effect of the type of aromatic amines (primary, secondary, and tertiary) and their o, m and p derivatives on the ultraviolet spectra. P.M.Hagi and others. Zhur.fiz. khim. 37 no.3:672-675 Mr '63.

Participation of biogenic amines in the mechanism of the protection from the effect of ionizing radiation by histamine. IA.B.[illegible], E.I.Krichevskaia, S.R.Zubkova. Dokl.AN SSSR 155 no.5:1198-1200 Ap '64.

Organoboron compounds. Report No.123: Reactions of [illegible] of alkyl mercaptoboranes with primary amines. V.A.[illegible], T.A.Shchegoleva, B.M.Mikhailov. Izv.AN SSSR.Ser.khim. no.4:632-637 Ap '64.

AMINO ACID DECARBOXYLASES

Amino acid decarboxylases in bacteria. IU.V.Galaev. Ukr.biokhim.zhur. 35 no.5:776-800 '63.

AMINO ACID METABOLISM

Effect of glutamic acid on the amino acid structure of the blood serum in experimental tuberculosis [with summary in English]. M.A.Chertkova, Zh.Z.Kharakter. Vop.med.khim. 8 no.6:603-607 N-D '62.

Effect of tomatin and novoimanin on the respiration of cells of Staphylococcus aureus 209 and its UF-3 mutant in the presence of amino acids [with summary in English]. N.IU.Preobrazhens'ka. Mikrobiol.zhur. 25 no.1:28-32 '63.

Synthesis of amino acids in pigeon liver homogenates [with summary in English]. E.F.Efimochkina. Vop. med.khim. 8 no.6:561-565 N-D '62.

AMINO ACIDS

Acylation of serine, cystine, and cystamine with p-di (β-chloroethyl) aminophenylalkanic acid chlorides. N.B.[illegible], O.V.Kil'disheva, I.L.Knuniants. Izv. AN SSSR.Ser.khim. no.4:755-756 Ap '64.

Amino acid composition and crude protein content in the herbage of vetch and sainfoin. E.V.Kolobkova, N.A.Kudriashova. Biul.Glav.bot.sada no.48:48-53 '63.

Amino acid composition of milk received at the Moscow Dairy Combine. P.V.Kugenev, M.N.Medvedeva. Vop.pit. 21 no.5:66-71 S-O '62.

Change in the amino acid composition of total protein in Bacillus subtilis T^- grown on a medium with 5-bromouracyl, an analogue of thymine. A.S.Antonov, N.Liutskanov, A.N.Belozerskii. Dokl.AN SSSR 155 no.4: 944-946 Ap '64.

Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. A.S.Antonov and others. Dokl.AN SSSR 155 no.5:1201-1204 Ap '64.

Determination of the amino acid composition of the prepupal body of bees of different species by paper chromatography. V.V.Shaidorova. Nauch.dokl.vys. shkoly; biol.nauki no.2:85-87 '64.

Incorporation of labelled amino acids into the total proteins and proteins of myocardial nuclei in compensated hyperfunction and hypertrophy of the heart [with summary in English]. F.Z.Meerson, A.V.Pogosova. Vop.med.khim. 8 no.6:621-624 N-D '62.

Infrared spectroscope study of the mechanism underlying the formation of p-nitrophenyl esters of benzoyl amino acids and acyl peptides by the carbodiimide method. M.M.Botvinik and others. Dokl.AN SSSR 156 no.1:88-91 My '64.

Irreplaceable amino acid content in the herbage of corn and the perennial wheat M-2. S.M.Sokolova, N.A. Tiunova. Biul.Glav.bot.sada no.48:53-56 '63.

Optical rotatory dispersion of pyridoxylideneamino acids with metal ions. IU.M.Torchinskii, L.G.Koreneva. Dokl.AN SSSR 155 no.4:961-963 Ap '64.

Separation of amino acids from the wastes of the sugar and alcohol industry. Report No.1: Identification of amino acids in molasses waste. L.Rasteikiene, M.Daglene, Z.Beinoraviciute. Trudy AN Lit.SSR. Ser.B no.1:73-82 '63.

Sequence of nucleotides in ribonucleic acid triplets determining the incorporation of amino acids into proteins [with summary in English]. N.V.Luchnik. Biokhimiia 27 no.6:1032-1046 N-D '62.

AMINO ACIDS—PHYSIOLOGICAL EFFECT

Effect of some amino acids on the growth of diphtheria bacteria. P.I.Buchin, L.V.Proskurina. Lab.delo no.3:175-176 '64.

AMINO GROUP

Effect of chronic poisoning with zinc compounds on the amino groups of tissue proteins. A.E.Klimentovskaia, A.P.Kozlova, V.V.TSelikina. Nauch.trudy Riaz.med. inst. 15:35-38 '62.

AMMONIA

Nature of ammonia solutions. E.K.Astakhova, K.V. Astakhov. Zhur.fiz.khim. 36 no.11:2570-2571 N '62.

Partial molar volumes and volatility of the mixture acetylene and ammonia. S.M.Khodeeva. Khim.prom. no.3:196-198 Mr '64.

Purifying and drying mercury and purifying ammonia solution. B.I.Soibel'man. Lab.delo 8 no.7:54-55 Jl '62.

Results of the technical and economic evaluation of the production of synthetic ammonia and derivative products from shale gas in the Estonian S.S.R. A.F.Savchenkov. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:318-332 '62.

AMMONIA AS FERTILIZER

How to attach the HAN-8 machine to the MTZ-50PL tractor. R.M.Mertsedin. Mekh.sil'.hosp. 15 no.5:22 My '64.

AMMONIUM COMPOUNDS

Attraction interaction between tetrabutyl ammonium cations adsorbed on mercury. B.B.Damaskin, S.Vavrzhichka, N.B.Grigor'ev. Zhur.fiz.khim. 36 no.11:2530-2532 N '62.

Study of the structure of cellulose hydrate fibers by the method of sorption of quaternary ammonium bases from aqueous solutions [with summary in English]. N.V. Mikhailov, E.Z.Fainberg. L.A.Semenovskaia. Vysokom.soed. 6 no.3:522-526 Mr '64.

AMMONIUM SULFIDES

Effectiveness of ammonium polysulfide in controlling sugar beet powdery mildew. L.M.Zhukova. Khim.v sel'.khoz. 2 no.2:33-34 F '64.

AMMONOIDEA see subdivision under Caucasus, Northern

AMMONOIDEA, FOSSIL see subdivision under Mangyshlak Peninsula

AMMONOLYSIS

Oxidizing ammonolysis of methyl vinyl ketone. D.Kh. Sembaev, B.V.Suvorov, S.R.Rafikov. Dokl.AN SSSR 155 no.4:868-871 Ap '64.

Preparation of phthalimide by oxidizing ammonolysis of o-xylene in a fluid catalyst bed. S.D.Mekhtiev and others. Azerb.khim.zhur. no.1:77-80 '64.

AMOEBA—PHYSIOLOGY

Reaction of Amoeba proteus (Pall.) of different age to some injurious actions. V.V.Isaeva. Nauch.dokl.vys. shkoly; biol.nauki no.2:11-14 '64.

AMORTIZATION DEDUCTIONS

Amortization and rentals. B.Shagolovich. Sov.torg. 37 no.4:10-11 Ap '64.

Depreciation of agricultural machinery and the cost of tractor work. IU.Popov, I.Simakov. Ekon.sel'khoz. 35 no.3:73-79 Mr '64.

New norms are not applied. I.Vichurin. Fin.SSSR 38 no.3:57-58 Mr '64.

AMPHIBIA

(see also subdivision under Atrek Valley; Turkmenistan)

Formation of the tongue in Hynobiidae. A.S.Severtsov. Dokl.AN SSSR 154 no.3:731-734 Ja '64.

Homology of the laminae orbitonasales in amphibia. E.D. Regel'. Dokl.AN SSSR 154 no.3:728-730 Ja '64.

AMPHIBIA—PARASITES see Parasites—Amphibia

AMPHIBIA, FOSSIL

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU.A.Orlov. Moskva, Izd-vo "Nauka."

[Vol.12] [Amphibians, reptiles, and birds] Zemnovodnye, presmykaiushchiesia i ptitsy. Otv. red. toma A.K.Rozhdestvenskii, L.P.Tatarinov. 1964. 721 p.

AMPHOTERICIN B

Intrafocal administration of amphotericin B in the treatment of chromomycosis. IU.A.Timokhovskii. Vest. derm.i ven. 37 no.4:48-52 Ap '63.

AMPLIFIERS (ELECTRONICS)

D.C. amplifier with a wide transmission band. V.G. Zaitsev. Avtom.i prib. no.1:64-65 Ja-Mr '64.

Differential amplifier for measuring slight attenuations. V.I.Shvetsov. Prib.i tekh.eksp. 9 no.2:90-92 Mr-Ap '64.

Establishment of the phase of oscillations at the output of a tuned amplifier during the switching of the input signals. N.V.Talanina. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:105-109 Ja-F '64.

A new mechanical power amplifier. A.E.Kobrinskii, A.I.Korendiasev. Izv.AN SSSR.Tekh.kib. no.2:175-181 Mr-Ap '64.

Theory of frequency spectra and demodulation of pulses with two-cycle first-order pulse-duration modulation. V.V.Malanov. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:99-103 Ja-F '64.

Thermally stabilized amplifier with a relay characteristic. A.B.Blagoveshchenskii, V.A.Kucherniuk. Mash.i neft. obor. no.3:26-28 '64.

AMPLIFIERS, ELECTRON-TUBE

Gendin, G.S. [Stereophonic low-frequency amplifiers] Liubitel'skie-stereofonicheskie usiliteli nizkoi chastoty. Moskva, Izd-vo "Energiia," 1964. 30 p. (Massovaia radiobiblioteka, no.504)

Selective amplifier of weak signals. A.P.[illegible]. Prib.i tekh.eksp. 9 no.2:84-87 Mr-Ap '64.

Stability of the parameters of a selective low-frequency amplifier. E.V.Kuchin. Prib.i tekh.eksp. 9 no.2: 79-81 Mr-Ap '64.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMU DARYA—RUNOFF

Changes in the precipitation following the total utilization of the Amu Darya waters for irrigation purposes. K.V.Kavalinova. Izv.AN SSSR.Ser.geog. no.2:43-49 Mr-Ap '64.

Dependence of precipitation in the mountains of Central Asia from the irrigation of piedmont plains. A.[illegible]isov. Izv.AN SSSR.Ser.geog. no.2:37-44 Mr-Ap '64.

AMU DARYA VALLEY—GAS, NATURAL

Results of testing nongranulated reservoir rocks in well No.11 of the Farab prospecting area. B.A.[illegible], A.I.Dziubenko. Gaz.delo no.11:3-6 '63.

AMUR CORK TREE see subdivision under Soviet Far East

AMUR PROVINCE—INDUSTRIES

Konoplev, I.I. [The developing industry of Amur Province] Promyshlennost' Amurskoi oblasti v razvitii. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1963. 125 p.

AMUR PROVINCE—LOADING AND UNLOADING—HYGIENIC ASPECTS

Follow-up of unpublished letters. Sov.torg. 37 no.3: 42 Mr '64.

AMUR PROVINCE—NATURAL RESOURCES

Konoplev, I.I. [The developing industry of Amur Province] Promyshlennost' Amurskoi oblasti v razvitii. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1963. 125 p.

AMUR RIVER—PARASITES—FISHES

Geographical forms of tapeworms of the genus Triaenophorus Rud. (Pseudophyllidea) [with summary in English]. M.N.Dubinina. Zool.zhur. 43 no.3: 412-417 '64.

AMUR VALLEY—FLOOD CONTROL

Prospects for water resources development in the basin of the Amur. V.G.Chernenko, A.F.Klimenkov. Sbor. nauch.rab. DVNIIS no.3:110-122 '62.

AMUR VALLEY—ICE

Forecasts of spring ice phenomena in the basin of the Amur. V.D.Luk'ianchenko, I.N.Gertman, IU.V.Makarova. Sbor.nauch.rab. DVNIIS no.3:135-145 '62.

AMUR VALLEY—PARASITES—FISHES

Results of the Amur Ichthyoparasitological Expedition of 1957-1959. IU.A.Strelkov, S.S.Shul'man. Vop.ikht. 4 no.1:162-177 '64.

AMUR VALLEY—PHYTOGEOGRAPHY

Phytogeographical profile across the left-shore area of the Amur River and southern Yakutia. V.N.[illegible]. Bot.zhur. 49 no.4:511-522 Ap '64.

AMUR VALLEY—PSEUDOPHYLLIDEA

Geographical forms of tapeworms of the genus Triaenophorus Rud. (Pseudophyllidea) [with summary in English]. M.N.Dubinina. Zool.zhur. 43 no.3: 412-417 '64.

AMUR VALLEY—TUNGUSES

Composition, origin and distribution of the Olcha tribes. A.V.Smoliak. Trudy Inst.etn. 84:142-167 '63.

AMUR VALLEY—WATER RESOURCES DEVELOPMENT

Prospects for water resources development in the basin of the Amur. V.G.Chernenko, A.F.Klimenkov. Sbor. nauch.rab. DVNIIS no.3:110-122 '62.

AMYGDALIN

Rogozkin, V.D., B.P.Belousov, and N.K.Evseeva. [Radiation-protective effect of cyanides; amygdalin] Radiozashchitnoe deistvie tsianistykh soedinenii; amigdalin. Pod red. P.D.Gorizontova. Moskva, Medgiz, 1963. 131 p.

AMYLASE

Change in the amylase content of the blood of animals during intoxication with cadmium compounds. I.V. Shcherbakova, S.A.Pokrovskii, N.V.Titova. Nauch. trudy Riaz.med.inst. 15:118-121 '62.

ANABAR BAY—MORAINES

Moraines in the southeastern coast of Anabar Bay. K.L.Mitt. Biul.Kom.chetv.per. no.28:127-134 '63.

ANABASINE

Polarographic study of some derivatives of anabasine. K.S.Martynova, E.Kh.Timbekov, A.S.Sadykov. Zhur. prikl.khim. 37 no.4:926-928 Ap '64.

ANALEPTICS

Clinical experience with the use of new analeptics, [illegible] (megimide) and [illegible]. [illegible] Eksper. khir. i anest. [illegible] Jl-Ag '63.

Effect of the combination of analeptics on the awakening from morphine-ether anesthesia. [illegible] Eksper. khir. i anest. [illegible] Jl-Ag '63.

ANALGESIA

Analgesic activity of a combination of promedol with phenothiazine derivatives. [illegible] Eksper. khir. i anest. 8 no.4:75-77 Jl-Ag '63.

ANALGESICS

Preparation of dimenton. V. S. Sokolova, O. [illegible] Magidson, A. [illegible] Med. prom. 17 no.10:14-16 O '63.

Quantitative determination of [illegible] in these preparations. [illegible] Med. prom. [illegible] '63.

Use of analgesics in surgery [illegible]. Eksper. khir. i anest. [illegible] Jl-Ag '63.

ANALYSIS, CHROMATOGRAPHIC see Chromatographic analysis

ANALYSIS, THERMAL see Thermal analysis

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL MECHANICS see Mechanics, Analytic

ANAN'EV, MIKHAIL GERASIMOVICH, 1902-

Mikhail Gerasimovich Anan'ev; on his 60th birthday. Eksper. khir. i anest. 7 no.4:[illegible] Jl-Ag '62.

ANAPHYLAXIS

Anaphylactogenic properties of [illegible] pollen. [illegible]

[illegible]

ANAPLASMOSIS see subdivision under Kazakhstan

ANATOMY—CONGRESSES

[illegible]

[illegible]

ANATOMY—NOMENCLATURE

[illegible], A. D., ed. [International anatomical nomenclature] Mezhdunarodnaia anatomicheskaia nomenklatura. Izd. 2. Moskva, Meditsina, 1964. [illegible] p.

ANATOMY, HUMAN—NOMENCLATURE

[illegible], N. A. [Anatomical nomenclature in Latin, [illegible] and Russian. [illegible] compiled on the basis of the Paris International Anatomical Nomenclature] [illegible] 1964. 270 p.

ANATOMY, PATHOLOGICAL

[illegible]

ANDIZHAN PROVINCE—JOURNALISM

[illegible] Part. zhizn' [illegible] Ag '64.

ANDIZHAN PROVINCE—LOCAL GOVERNMENT

[illegible] Part. zhizn' [illegible] Ag '64.

ANDREYEVO REGION (VLADIMIR PROVINCE)—FOREST REPRODUCTION

Effectiveness of pine plantations as related to the width of [illegible]. P. P. [illegible] Les. khoz. 17 no.8:[illegible] Ag '64.

ANDREYEVO REGION (VLADIMIR PROVINCE)—PINE

Effectiveness of pine plantations as related to the width of [illegible]. P. P. [illegible] Les. khoz. 17 no.8:[illegible] Ag '64.

ANEROID BAROMETER

New methods for checking an aneroid barometer. P. M. [illegible] and others. [illegible] no.37:[illegible] '63.

ANESTHESIA

Anesthesia in heart catheterization in children. M. A. [illegible] Khirurgiia [illegible] '63.

Anesthesia in various methods for removing isolated stenoses of the pulmonary artery. G. A. [illegible], V. I. [illegible], I. D. [illegible] Eksper. khir. i anest. 8 no.4:[illegible] Jl-Ag '63.

Critical evaluation of anesthetic methods in acute appendicitis operations. V. A. [illegible] Sbor. nauch. trud. Ivan. gos. med. inst. no.25:[illegible] '62.

Data of [illegible]graphic recording of arterial pressure, pulse and respiration during surgery on the stomach with the use of various types of anesthesia. V. P. [illegible], V. M. [illegible] Eksper. khir. i anest. [illegible] Jl-Ag '63.

Effect of the combination of analeptics on the awakening from morphine-ether anesthesia. [illegible] Eksper. khir. i anest. [illegible] Jl-Ag '63.

Electroencephalography in surgery on the heart and great vessels in anesthesia by the [illegible] method. [illegible] Eksper. khir. i anest. [illegible] Jl-Ag '63.

"[illegible]" by A. P. [illegible] Khirurgiia [illegible] '64.

Zhorov, I. S. [General anesthesia; a handbook for anesthesiologists and surgeons] Obshchee obezbolivanie; rukovodstvo dlia vrachei-anesteziologov i khirurgov. Moskva, Izd-vo "Meditsina," 1964. [illegible] p.
(DNLM)

ANESTHESIOLOGY

Anesthesia in surgery on tumors of the large intestine [with summary in English]. V. I. [illegible], V. A. [illegible] Vest. khir. [illegible] My '64.

ANESTHETICS

[illegible]

ANEURYSMS

[illegible]

ANGINA PECTORIS

[illegible]

[illegible]

[illegible]

[illegible]

ANGIOCARDIOGRAPHY

[illegible]

ANGIOGRAPHY

Angiographic examination of the [illegible] arteries of the [illegible]. [illegible]

Importance of selective angiopneumonography in determining the operability of lung cancer [with summary in English]. [illegible] Vopr. onk. 10 no.3:[illegible] '64.

Krakovskii, N. I., and [illegible] [Angiography in surgery on the vessels of the extremities and the neck] Angiografiia v khirurgii sosudov konechnostei i shei. Moskva, Meditsina, 1964. 237 p.
(DNLM)

ANGIOMA

Extensive cavernous hemangioma. V. V. [illegible], V. A. [illegible] Zdrav. Kazakh. 23 no.10:[illegible] '63.

Venous angioma of the stomach. [illegible] Khirurgiia 40 no.6:[illegible] Je '64.

ANGOLA—HISTORY

"Angola in flames" by [illegible]. Reviewed by [illegible] Nar. Az. i Afr. no.3:[illegible] '64.

ANGREN BASIN—COAL GASIFICATION, UNDERGROUND

Air and fire flow-through connection taking in Angren. G. P. [illegible] Nauch. trudy VNIIPodzemgaza no.10:[illegible] '63.

Effect of the displacement of rocks during gasification of a coal seam in the Angren deposit on the [illegible] of borehole casings in underground gas generators. V. V. Zhukov and others. Nauch. trudy VNIIPodzemgaza no.10:[illegible] '63.

ANGREN BASIN—COAL GEOLOGY

Preliminary results of studying the disturbance of the rock massif during the coal mining of seams of the Angren deposit in sections of various thickness. V. V. Zhukov. Nauch. trudy VNIIPodzemgaza no.10:77-82 '63.

ANGREN BASIN—COAL MINES AND MINING

Results of working the "[illegible]" seam in mine No. 9 at the Angren lignite deposit. I. N. Prokopenko. Ugol' 38 no.12:28-32 D '63.

ANGULAR MOMENTUM (NUCLEAR PHYSICS)

Symmetry of Clebsch - Gordan coefficients [with summary in English]. I. A. Shelepin. Zhur. eksp. i teor. fiz. 46 no.3:1033-1038 Mr '64.

ANHYDRITE see subdivision under Ural Mountains

ANILINE

Determination of small amounts of [illegible] in technical aniline. [illegible] Zav. lab. 30 no.5:[illegible] '64.

Reaction kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 2. N. K. Vorob'ev, [illegible] Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.1:[illegible] '64.

ANIMAL MIGRATION
(see also subdivision under Siberia, Western)

Effect of [illegible] on the migration and distribution of animals. [illegible]

ANIMALS, HABITS AND BEHAVIOR OF

Hunters under the snow. [illegible] 19 no.1:42-43 Ja '64.

ANIMALS AS CARRIERS OF DISEASE

Petrishcheva, P. A., and N. G. Olsuf'ev, eds. [Methods of studying natural focus diseases in man] Metody izucheniia prirodnykh ochagov boleznei cheloveka. Moskva, Meditsina, 1964. 300 p.
(DNLM)

ANIONS

[illegible]

ANISOLE

Derivatives of [illegible] [with summary in English]. [illegible]

ANISOTROPY

[illegible]

[illegible]

ANKLE

Method of determining mobility in the talocrural joint. [illegible] Vop. kur., fizioter. i lech. fiz. kul't. 29 no.[illegible] '64.

ANKLE—SURGERY

[illegible]

ANNEALING OF METALS

Effect of plastic deformation and [illegible] annealing on the rate of hydrogen penetration into [illegible]. [illegible]

ANNIVERSARIES

Calendar of significant and memorable dates. A. [illegible] My '64.

Noteworthy dates. Nar. obr. no.4:[illegible] Ap '64.

Noteworthy dates. Nar. obr. no.5:[illegible] My '64.

Noteworthy dates of 1964. [illegible] Ja '64.

ANOXEMIA

Effect of strong pain stimuli on intestinal secretion in experimental hypoxia. [illegible] Sbor. nauch. trud. Ivan. gos. med. inst. no.28:[illegible] '63.

Hypoxemic factor in hypertension and cerebrovascular crises. [illegible] Zhur. nevr. i psikh. 64 no.3:[illegible] '64.

ANTARCTIC REGIONS—EARTH—SURFACE

Relation of the geomorphology of the transition zone of Antarctica to the structure and thickness of the earth's crust. A. V. Zhivago, [illegible] Izv. AN SSSR. [illegible] Mr '64.

ANTARCTIC REGIONS—FOOD

Review of an article by I. Milan and K. Rodahl "Caloric value of food required for man under conditions prevailing in Antarctica." I. S. Kandror. Vop. pit. 21 no. 5:90-91 S-O '62.

ANTARCTIC REGIONS—GEOMORPHOLOGY

Relation of the geomorphology of the transition zone of Antarctica to the structure and thickness of the earth's crust. A. V. Zhivago, E. N. Isaev, S. A. Ushakov. Dokl. AN SSSR 155 no. 3:565-568 Mr '64.

ANTARCTIC REGIONS—ICE

Movement and the mass balance of ice shelves in the Antarctic [with summary in English]. V. Kh. Buinitskii. Vest. LGU 19 no. 6:57-70 '64.

ANTARCTIC REGIONS—ICE—VIBRATION

Some results of studies on the natural vibrations of the ice fields of central Antarctica. A. D. Sytinskii, V. P. Tripol'nikov. Izv. AN SSSR. Ser. geofiz. no. 4:615-621 Ap '64.

ANTARCTIC REGIONS—MAPS

New maps of Antarctica. IA. P. Koblents. Izv. Vses. geog. ob-va 96 no. 1:74-76 Ja-F '64.

ANTARCTIC REGIONS—PERITONITIS

Treatment of diffuse suppurative peritonitis in the Antarctic. N. I. Kalinichenko. Khirurgiia 39 no. 6:93-96 Je '63.

ANTARCTIC REGIONS—RUSSIAN EXPLORATION

Gavrilov, IU. A. [We are flying to Antarctica] My letim v Antarktidu. [Moskva] Molodaia gvardiia, 1964. 143 p. illus.

ANTARCTIC REGIONS—SNOW

Effect of drifting snow over inclined surfaces on the wind force. S. M. Kozik. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8:100-104 '63.

ANTARCTIC REGIONS—WINDS

Effect of drifting snow over inclined surfaces on the wind force. S. M. Kozik. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8:100-104 '63.

Origin of the gravity wind on the glacial slope in Antarctica. M. A. Masterskikh. Meteor. i gidrol. no. 4:35-38 Ap '64.

ANTENNAS (ELECTRONICS)

Effect of nonradiating components on the radiation characteristics of pencil-beam antennas. E. A. Vorob'ev. Radiotekhnika 19 no. 4:17-18 Ap '64.

Integral equation of an antenna and induced e. m. f. techniques. I. G. Kliatskin. Radiotekhnika 19 no. 4:5-16 Ap '64.

Kuz'min, A. D., and A. E. Salomonovich. [Radio astronomy techniques for measuring antenna parameters] Radioastronomicheskie metody izmereniĭ parametrov antenn. Moskva, Sovetskoe radio, 1964. 183 p.

Measuring the parameters of multiunit antennas. IU. M. Bruk, A. V. Men', L. L. Bazelian. Prib. i tekh. eksp. 9 no. 2:96-100 Mr-Ap '64.

ANTHRACENE

Anthracene derivatives of Rheum palmatum var. tanguticum Maxim. Report No. 3: Glycosides. A. S. Romanova, A. I. Ban'kovskii. Med. prom. 17 no. 10:21-23 O '63.

ANTHRACITE COAL

Study of the processes of anthracite coal breakage during its haulage in mines. A. A. Krakhmalov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:124-131 '63.

ANTHRAX—MICROBIOLOGY

The golden (Syrian) hamster (Cricetus auratus, W., 1939) as an experimental model in anthrax [with summary in English]. IU. S. Voronin and others. Zhur. mikrobiol., epid. i immun. 40 no. 9:120-125 S '63.

ANTHROPOGEOGRAPHY

Zubov, A. A. [Man settles his planet] Chelovek zaseliaet svoiu planetu. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 173 p.

ANTIAIRCRAFT ARTILLERY

Antiaircraft machine-gun mounts conduct fire. D. Kozlov. Voen. vest. no. 3:85-88 Mr '64.

Control of an antiaircraft battery on the march and in a meeting engagement. D. Miloserdov. Voen. vest. no. 3:81-84 Mr '64.

March schedule. A. Aleksandrov. Voen. vest. no. 3:88-89 Mr '64.

ANTIBIOSIS

Increase in the antibiotic activity of micro-organisms under the effect of the culture medium. M. S. Shkliar, L. A. Khalimova. Agrobiologiia no. 5:680-683 S-O '63.

ANTIBIOTICS

(see also subdivision under France)

Action of different antibiotic combinations on diphtherial bacteria. V. I. Kiselev. Antibiotiki 8 no. 8:744-746 Ag '63.

Antibiotics and cotton wilt; use biologically active substances in the fields. Sh. A. Safarov. Priroda 53 no. 5:116 '64.

Bottle-type fermentation apparatus for the preparation of antibiotics. V. A. Turushev. Veterinariia 40 no. 10:51 O '63.

Character of microflora and its sensitivity to antibiotics in treating acute nonspecific lymphadenitis in children [with summary in English]. IU. A. Akimov. Vop. okh. mat. i det. 7 no. 6:52-55 Je '62.

Chemical methods of developing paper chromatograms in work with antibiotics. S. N. Litvinenko. Lab. delo 8 no. 9:39-40 S '62.

Closed treatment of a sanitized nonspecific pleural empyema. V. V. Podzolov. Khirurgiia no. 1:58-63 '63.

Comparative evaluation of some antitrichomonas preparations on animals. L. K. Liubimova. Antibiotiki 8 no. 8:741-744 Ag '63.

Detection of antibiotics by paper chromatography. N. O. Blinov, A. S. Khokhlov. Antibiotiki 8 no. 8:751-762 Ag '63.

Effect of acidophilus milk and some antibiotics on the intensity of the saprogenic processes in the intestines determined from indicanuria data. N. I. Ekimenko. Kaz. med. zhur. no. 6:53-54 N-D '62.

Effectiveness of antibiotics against ringworm in cattle. V. P. Koroleva, V. P. Akolova. Veterinariia 40 no. 10:48-49 O '63.

Experience in treating patients with chronic inflammatory bronchopulmonary processes in relation to the sensitivity of the microflora to antibiotics. V. V. Dubilei. Antibiotiki 8 no. 8:746-750 Ag '63.

Free-radical states of some antibiotics. IU. P. Kozlov, A. Kh. Tambiev, G. A. Taranenko. Dokl. AN SSSR 154 no. 3:718-720 Ja '64.

Prevention and treatment of pneumonia in young children. A. I. Titova. Pediatriia 42 no. 9:7-14 S '63.

Transformation of the antibiotic formation in actinomycetes with the help of DNA. B. P. Matselilukh. Dokl. AN SSSR 154 no. 3:710-713 Ja '64.

Treatment of penetrating eye injuries with cortisone. A. Z. Mogilevchik. Zdrav. Bel. 9 no. 6:49-52 Je '63.

Use of "nistatin" for mold control in meat. L. P. Volkova, N. V. Ladanova. Trudy VNIIMP no. 13:70-79 '63.

ANTIBIOTICS—BIBLIOGRAPHY see Bibliography—Antibiotics

ANTIBIOTICS AS FEED

Stability of antibiotics in fillers and mixed feeds. V. Koroleva, I. Pekhova. Muk.-elev. prom. 29 no. 10:20-22 O '63.

ANTICOAGULANTS (MEDICINE)

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Organiskas sintezes instituts. [Phenylin] Fenilin, sbornik statei. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 134 p.

Treatment of obliterating vascular diseases with anticoagulants. V. P. Kotel'nikov. Nauch. trudy Riaz. med. inst. 16:310-313 '62.

ANTIGENS AND ANTIBODIES

Comparative study of immunological changes in revaccination with pertussis and pertussis-diphtheria vaccine [with summary in English]. E. A. Mamaeva and others. Zhur. mikrobiol., epid. i immun. 40 no. 9:10-14 S '63.

Control of the immunogenic properties of purified sorbed staphylococcal anatoxins in experiments on white mice [with summary in English]. F. A. Chertkova, I. D. Lotan. Zhur. mikrobiol., epid. i immun. 40 no. 9:70-73 S '63.

Detection of Rickettsia prowazeki by the method of fluorescent antibodies in the organism of experimental animals and insects. N. M. Balaeva, E. N. Levina. Izv. AN SSSR. Ser. biol. no. 3:433-438 My-Je '64.

Distribution of catalase in fractions of soluble plague microbe antigens [with summary in English]. A. A. Kanchukh and others. Ukr. biokhim. zhur. 35 no. 5:700-708 '63.

Effect of a resolving dose of antigens on the higher nervous activity of dogs. E. A. Beliavskaia, M. K. Rakhimova. Nauch. trudy SamMI 21:155-161 '62.

Effect of antibodies present in the medium on the biosynthesis of similar antibodies by spleen cells. A. E. Gurvich, G. I. Drizlikh. Dokl. AN SSSR 155 no. 2:482-485 Mr '64.

Fluorescent serological method in the diagnosis of syphilis. N. M. Ovchinnikov and others. Lab. delo no. 5:302-306 '64.

Origin of the "shining circle" phenomenon observed in using luminescent serums. IU. N. Zubzhitskii. Dokl. AN SSSR 155 no. 4:927-929 Ap '64.

Possibility of the production of specific antibodies by conditioned reflexes. V. F. Glukhov, IU. A. Liubimov. Trudy Stavr. sel'khoz. inst. no. 11:92-96 '62.

Rapid increase in the resistance of the organism to parenteral administration of antigens. B. V. Polushkin. Sbor. nauch. rab. IAr. med. inst. no. 20:111-120 '59.

Results of the preparation of antigens for the purpose of obtaining an anti-influenza serum. N. N. Orlova and others. Vop. med. virus. no. 5 pt. 2:151-156 '59.

Some characteristics of the [illegible] of [illegible] with the [illegible] tion with brain antigens. [illegible] patol. [illegible]

Study of serum antibodies against [illegible] cereal antigens. [illegible] Shcherbatov. Vop. [illegible]

Study of the soluble antigens of [illegible] agglutination reactions [with summary in English]. [illegible] El'shinova, Z. M. Andreeva. Zhur. [illegible] immun. 40 no. [illegible] Ag [illegible]

ANTIGENS AND ANTIBODIES—ANALYSIS

Determination of the toxigenicity of [illegible] precipitation in agar [with summary in English]. [illegible] Khramicheva, [illegible] mikrobiol., epid. i immun. 40 [illegible]

Reaction of precipitation [illegible] trolling the purification of [illegible] R. A. Polendikova. Lab. delo [illegible]

ANTIHYPERTENSIVE AGENTS

Main trends in the synthesis of [illegible] Report No. 1. M. V. Rubtsov. [illegible]

ANTIMETABOLITES

Effect of antimetabolites [illegible] synthesis of nucleic acids. [illegible] 8 no. 6:563-572 N-D [illegible]

ANTIMONY—ANALYSIS

Determination of antimony [illegible] acids by means of [illegible] 110-113 [illegible]

ANTIMONY ORES

Antimony-mercury formations [illegible] no. 10:[illegible]

ANTIMONY OXIDES

Photocatalytic properties of antimony [illegible] reduction of methylene blue. [illegible] Zhur. fiz. khim. [illegible]

ANTIMONY OXIDES—TOXICOLOGY

Experimental investigations of the [illegible] oxide on the [illegible] A. V. [illegible] 97-101 '56.

Some experimental data on the [illegible] animals. A. V. [illegible] no. 2 [illegible]

ANTIMONY TARTRATE

Crystalline structure of [illegible] N. I. Golovastikov [illegible]

ANTINAZI MOVEMENT

Third International [illegible] pean Resistance Movement. [illegible] SSSR 14 no. [illegible]

ANTIOXIDANTS

Antioxidant properties of [illegible] O. S. Stepanova, A. I. [illegible] Masl.-zhir. prom. [illegible]

Application of nuclear magnetic [illegible] of the aging of rubbers [with summary in English]. L. P. Zalukaev, V. I. [illegible] 538-540 My '64.

Mechanism of the inhibiting action of phenols [illegible] oxidation of paraffinic hydrocarbons. [illegible] Medvedev. Zhur. fiz. khim. [illegible] '63.

Use of boric acid esters as antioxidants for polymeric materials. E. I. [illegible], L. A. [illegible] Troitskaia. Khim. prom. no. [illegible]

ANTIPYRETICS

Preparation of [illegible]. V. N. [illegible], O. [illegible], A. E. Dialur. Med. prom. 17 no. 10:[illegible] O [illegible]

Quantitative determination of [illegible] possible admixtures in these preparations. [illegible] shenkova, E. E. Frolov'eva. Med. prom. [illegible] 32 S '63.

ANTIRETICULAR CYTOTOXIC SERUM

Reactivity of the organism and means of pathogenetic therapy. I. P. Mishchenko. Nauch. trudy [illegible] 131-135 '62.

ANTISEPTIC MEDICATION

Comparative effect of some antiseptics used in different medication forms on a rabbit's eye. N. G. [illegible] Nauch. trudy Rian. med. inst. [illegible] '62.

ANTISEPTICS

Antiseptic treatment of commercial wood pulp. [illegible] Oshchepkova. Bum. prom. no. 1:17-18 Ja '64.

Quantitative determination of iodine in iodoform and sajodin. G. I. Kuliyeva, G. I. Savel'eva, V. K. [illegible] Med. prom. 17 no. 10:41-44 O '63.

ANTONIONI, MICHELANGELO

A cat before a statue. G. Kapralov. Isk. kino 34 no. 1: 121-127 '64.

ANTRUM OF HIGHMORE see Maxillary sinus

ANTS see subdivision under Siberia, Western

ANUS—SURGERY

Combined treatment of anorectal syndrome in the fourth venereal disease. V.D.TSend. Khirurgiia 39 no.6: 111-114 Je '63.

ANVEL'T, IA. IA., 1884-1937?

The great life of a Communist. A.E.Ekstein. Vop.ist. KPSS 8 no.4:81-83 Ap '64.

AORTA

Projection anatomy of the intrapericardial segments of the vessels of the heart root. G.N. Toporov. Khirurgiia no.1:23-27 '63.

AORTA—DISEASES

Incorporation of labelled amino acids into the total proteins and proteins of myocardial nuclei in compensated hyperfunction and hypertrophy of the heart [with summary in English]. F. Z. Meerson, A. V. Pogosova. Vop. med. khim. 8 no. 6:621-624 N-D '62.

AORTA—INNERVATION

Morphological changes in the neural apparatus of the aorta in diphtheria. V. I. Galkin. Sbor. nauch. rab. IAr. med. inst. no. 18:173-184 '59.

Morphology of the neural apparatus of the aorta and the carotid arteries in cardiac decompensation. S. F. Andreev. Sbor. nauch. rab. IAr. med. inst. no. 18:130-138 '59.

Pathomorphology of the receptor apparatus of the heart and the aortal arch in acute experimental radiation sickness in dogs. G. M. Nikolaev. Sbor. nauch. rab. IAr. med. inst. no. 18:160-172 '59.

AORTIC ANEURYSMS

Dissecting aneurysm of the abdominal aorta with a rupture following rheumatic aortitis. T. P. Libliainen. Nauch. trudy Riaz. med. inst. 14:96-98 '63.

APARTMENT HOUSES

(see also subdivision under Armenia; Finland; Georgia; Kiev)

Methodology of calculating the optimal rhythm of continuous building of large apartment houses. L. I. Sevast'ianov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 6:95-102 '63.

Multistory apartment houses of frame-panel structures. M. Medvedev, O. Skachkov. Stroi. i arkhit. 11 no. 10: 8-10 O '63.

Rolled gypsum panels in prefabricated room-units. B. Gladyshev and others. Stroi. i arkhit. 11 no. 10: 12-13 O '63.

APARTMENT HOUSES—AUDITING AND INSPECTION see subdivision under Gorkiy

APARTMENT HOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Moscow; Siberia; Vladivostok)

Determining the average length of apartment house construction periods. IU. Avdeev, A. Kuvshinnikova, V. Chokmazova. Vest. stat. no. 5:24-27 '64.

Economic effectiveness of standard designs. G. Lavrik. Stroi. i arkhit. 11 no. 10:18-20 O '63.

Evaluating the economic efficiency of structural elements at the stage of designing. N. Nassonov. Ekon. stroi. no. 4:7-13 Ap '64.

APARTMENT HOUSES—HYGIENIC ASPECTS

Temperature conditions in large-panel houses with insulated roofs. E.M.Shpilevskii. Zdrav.Bel. 9 no.6: 63-65 Je '63.

APARTMENT HOUSES—MAINTENANCE AND REPAIR see subdivision under Gorkiy

APARTMENT HOUSES—SOUNDPROOFING

Sound insulating properties of coverings between ceilings and floors of apartment houses. V. Miakshin. Stroi. i arkhit. 11 no. 10:14-17 O '63.

APARTMENT HOUSES, COOPERATIVE—DESIGN AND CONSTRUCTION see subdivision under Gorkiy

APATITE

Flotation of phosphorites with cation collectors. T.N. Shevereva. Trudy Mekhanobr no. 131:227-235 '62.

APHASIA

Manual on the restoration of speech in patients with aphasia. A.R. Luriia. Zhur. nevr. i psikh. 64 no. 3:477-478 '64.

Some characteristics of aphasic disturbances in thromboses and stenosis of the internal carotid and middle cerebral arteries. L. G. Stoliarova. Zhur. nevr. i psikh. 64 no. 2:226-231 '64.

V. M. Kogan. Restoration of speech in aphasia. M. Rogovin. Zhur. nevr. i psikh. 64 no. 3:476-477 '64.

APHORISMS AND APOTHEGMS

Use of folk aphorisms in party propaganda. I.Z.IArnevskii. Sov. lit. i fol'k. Bur. no. 2:211-229 '62.

APHYLLIC ACID—PHYSIOLOGICAL EFFECT

Effect of aphyllic acid on the transmission of impulses from the vagus nerve to the heart. V.A.Konovalova. Nauch. trudy SamMI 21:205-207 '62.

APNOEA

Electrophrenic respiration in experimental high spinal anesthesia. S. A.Geshelin. Eksper. khir. i anest. 8 no. 4:65-69 Jl-Ag '63.

APOPLEXY

Preapoplectic states and therapeutic measures for them. V.A.Smirnov. Zhur. nevr. i psikh. 64 no. 2:180-185 '64.

Some problems in consciousness disorders in cerebral apoplexy; an electroencephalographic study. E.S. Bein, E.A. Zhirmunskaia, Z. L. Lur'e. Zhur. nevr. i psikh. 64 no. 2:191-199 '64.

Surgical treatment of spontaneous intracerebral hemorrhages in toxemia during pregnancy. N. M. Mosiichuk. Vop. neirokhir. 27 no.5:58 S-O '63.

APPELLATE PROCEDURE

Parties to appellate proceedings and its rules under the Criminal Procedure Code of the R.S.F.S.R. O. Gavrilov. Sov. iust. 28 no. 9:12-13 My '64.

APPENDECTOMY

Critical evaluation of anesthetic methods in acute appendicitis operations. V. A. Vosovich. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:70-78 '62.

Surgeon's technique in treating acute appendicitis complicated by an infiltrate. O. A. Mavyev. Zdrav. Turk. 7 no. 12:29-31 D '63.

APPENDICITIS

Complications in acute appendicitis. A.I. Kot, V.M. Kazachenok. Zdrav. Bel. 9 no. 6:80 Je '63.

Some characteristics of the statistics and clinical aspects of the appendicular infiltrate. IU. M. Volobuev, V. B. Bagdasarov. Zdrav. Turk. 7 no. 12: 27-28 D '63.

Sources, of diagnostic errors in acute appendicitis in outpatients. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:79-86 '62.

APPENDIX (ANATOMY)—TUMORS

Three cases of a carcinoid of the vermiform process. A. M. Bordykeev. Zdrav. Turk. 8 no. 1:21 Ja '64.

APPLE

Cauliflory in an apple tree. G. M. Levin. Priroda 53 no. 5:101 '64.

Effect of cultivation conditions on the pectin content in apples [with summary in English]. B. P. Khomits'kyi. Ukr. bot. zhur. 21 no. 2:55-60 '64.

Kudriavtseva-Molodchikova, L. P. [History of an apple tree; true stories on the wonderful life of a fruit tree] Istoriia odnoi iablon'ki; pravdivye rasskazy ob udivitel'noi zhizni plodovogo dereva. [Moskva] Molodaia gvardiia, 1964. 126 p.
(DNAL)

APPLE—DISEASES AND PESTS

Apple seed chalcid Torymus druparum (Boh.) (Hymenoptera, Chalcidoidea) in the Kuba-Khachmas zone of the Azerbaijani S. S. R. L. M. Rzaeva, R. Beirutov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:63-65 '63.

APPLE—FERTILIZERS AND MANURES see subdivision under Krasnoyarsk Territory

APPLE—VARIETIES

(see also subdivision under Gomel' Province; Issykkul' Depression; Mogilev Province)

Effect of pollenizer varieties on the quality of seeds and seedling stock of apple trees.' L. P. Perekhodkin. Biul. Glav. bot. sada no. 48:56-61 '63.

APPLE BREEDING

Characteristics of growth and flowering of apple trees produced from crown and root tissues. E. S. Chernenko. Dokl. AN SSSR 156 no. 1:218-221 My '64.

APPLE-TREE BORERS—EXTERMINATION see subdivision under Krasnodar Territory

APPROXIMATE COMPUTATION

Chebyshev approximations and the problem of moments. V. D. Koromyslichenko. Ukr. mat. zhur. 16 no. 1:105-110 '64.

APRICOT—VARIETIES see subdivision under Georgia

APSHERON PENINSULA—BARBERRIES

Ontogenesis of Bongardia chrysogonum (L.) Boiss. F. V. Kagramanova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:19-27 '63.

APSHERON PENINSULA—CABBAGE—VARIETIES

Selection of head cabbage varieties for fall sowing in the Apsheron Peninsula. N. G. Orudzhaliev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:43-54 '63.

APSHERON PENINSULA—FUNGI, PATHOGENIC

Ornamental plant diseases in the Apsheron Peninsula. T.M.Akhundov, V.I.Ul'ianishchev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:13-19 '63.

APSHERON PENINSULA—GAS, NATURAL—GEOLOGY

Ismailov, K. A., and V. G. Idrisov. [Oil and gas pools of the eastern part of the Apsheron Peninsula] Zalezhi nefti i gaza vostochnoi chasti Apsheronskogo poluostrova. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 158 p.

APSHERON PENINSULA—MULBERRY—VARIETIES

Studying the varieties of fruit mulberry in the Apsheron Peninsula. N. I. Makhmudbekova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 12:25-32 '61.

APSHERON PENINSULA—OIL FIELD BRINES—CLASSIFICATION

Reservoir waters of the Neftyanyye Kamni and Darwin Shoal oil fields and their efficient classification. B.S. Moldavskii. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4: 19-21 '64.

APSHERON PENINSULA—PETROLEUM GEOLOGY

Ismailov, K. A., and V. G. Idrisov. [Oil and gas pools of the eastern part of the Apsheron Peninsula] Zalezhi nefti i gaza vostochnoi chasti Apsheronskogo poluostrova. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 158 p.

APSHERON PENINSULA—PLANTS, ORNAMENTAL—DISEASES AND PESTS

Ornamental plant diseases in the Apsheron Peninsula. T.M.Akhundov, V.I.Ul'ianishchev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:13-19 '63.

APSHERON PENINSULA—ROCKS—PERMEABILITY

Determination of the porosity of rocks in the lower section of the productive formation (Kirmaki, Sub Kirmaki, Kala series) of the Zyrya field. S. L. Patsevich. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 12:10-12 '63.

APSHERON PENINSULA—TOMATOES—FERTILIZERS AND MANURES

Efficiency of concentrated and compound fertilizers applied to tomatoes in the Apsheron Peninsula [in Azerbaijani with summary in Russian]. V.A.Dzhafarova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:75-80 '63.

APSHERON REGION (KRASNODAR TERRITORY)—PALEOBOTANY, STRATIGRAPHIC

Sarmatian flora of Apsheronsk. P. I. Dorofeev. Dokl. AN SSSR 156 no. 1:82-84 My '64.

ARAB COUNTRIES—ECONOMIC ASSISTANCE, KUWAIT

The Kuwait fund for the development of the Arab countries. A. Grigorenko. Den. i kred. 22 no. 4:65-67 Ap '64.

ARAB COUNTRIES—HISTORY

"Al-Tabari's history. History of the prophets and kings" by Abu Djafar Mohammed ibn Djajir al-Tabari (224-310). Reviewed by P. Griaznevich. Nar. Az. i Afr. no. 3:186-189 '64.

ARABIC LANGUAGE—DICTIONARIES—KIPCHAK

Newly found Arabic-Kipchak dictionary from the Mameluk state. Ananiasz Zajaczkowski. Nar. Az. i Afr. no. 3:111-116 '64.

ARABS

Shumovskii, T.A. [Arabs and the sea; scanning the pages of manuscripts and books] Araby i more; po stranitsam rukopisei i knig. Moskva, Izd-vo "Nauka," 1964. 190 p.

ARAGATS, MOUNT—ALPINE FLORA

Effect of gibberellin on the Alpine plants of Mount Aragats, Armenian S. S. R. S. G. Narinian, V. E. Voskanian. Izv. AN Arm. SSR. Biol. nauki 17 no. 3:17-24 Mr '64.

ARAGATS, MOUNT—PYRITES

Some data on pyritized rocks of the peak of Mount Aragats. S. V. Kazarian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 6:23-32 '63.

ARAGATS, MOUNT—ROCKS, CRYSTALLINE AND METAMORPHIC

Some data on pyritized rocks of the peak of Mount Aragats. S. V. Kazarian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 6:23-32 '63.

ARAL SEA REGION—FISHERIES

Party committee and the sea toilers. N. Kunkhozhaev. Part. zhizn' Kazakh. 34 no. 4:42-45 Ap '64.

ARAPOV, BORIS

In defense of peace. E. Bonch-Osmolovskaia. Sov. muz. 27 no. 11:39-41 N '63.

ARAS VALLEY—SOILS—PHOSPHORUS CONTENT

Some forms of the phosphates of Chestnut soils in the Aras River zone and the effect of absorbed bases on their changes. E.S.Musabekova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:85-91 '63.

ARBITRATION AND AWARD

A course in bourgeois adjective law. S. N. Lebedev. Sov. gos. i pravo 34 no. 4:148-150 Ap '64.

Daily work of an arbitration judge. A. Balashev. Sov. iust. 28 no. 8:26-27 Ap '64.

From the practice of arbitration agencies. Sots. zakon. 40 no. 12:78 D '63.

Murzin, N. G. [Arbitration preceding a contract of delivery under Soviet civil law] Preddogovornyi arbitrazh po postavke v sovetskom grazhdanskom prave. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 111 p.

Practice of arbitration agencies in cases concerning the quality and amount of delivered goods. F. Kh. Liberman. Sov. gos. i pravo no. 12:132-136 D '63.

ARBITRATION AND AWARD—CASES

Arbitration practice. Sov. iust. 28 no. 8:32 Ap '64.

Arbitration practice. Sov. iust. 28 no. 9:31-32 My '64.

ARBORETUMS

Arboretum in fall. B. M. Griner. Biul. Glav. bot. sada no. 48:32-39 '63.

ARBUZOV, BORIS ALEKSANDROVICH, 1903-

Academician B. A. Arbuzov; on his 60th birthday. Vest. AN SSSR 34 no. 1:124-125 Ja '64.

ARCHAEOLOGICAL MUSEUMS AND COLLECTIONS see subdivision under Haapsalu

ARCHAEOLOGY see subdivision under Don Valley; Soviet Central Asia

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY—CONGRESSES

The Fourth International Conference on Slavic Archaeology in Budapest. L. D. Pobal'. Vesti AN BSSR, Ser. hram. nav. no. 1:137-138 '64.

ARCHAEOLOGY—EXHIBITIONS

Archaeological exhibition of the Budapest National Museum. N. A. Onaiko. Sov. arkheol. 8 no. 2: 260-267 '64.

ARCHANGEL—AIR—POLLUTION

Dust content and bacterial contamination of air in Archangel. Report No. 2. N. N. Nikotin, A. D. Otsing. Sbor. nauch. rab. Arkh. IEMG no. 4:77-88 '60.

ARCHANGEL—GIARDIASIS

Role of Lamblia and helminths in the etiology of acute intestinal diseases of young children in Archangel. Z. S. IAldygina and others. Sbor. nauch. rab. Arkh. IEMG no. 4:42-48 '60.

ARCHANGEL—INFLUENZA

Epidemiology and etiology of influenza in Archangel. P. V. Lidina, L. I. Pestova. Sbor. nauch. rab. Arkh. IEMG no. 4:57-65 '60.

ARCHANGEL—INTESTINES—DISEASES

Etiology of acute intestinal diseases of young children in Archangel. R. V. Esipova and others. Sbor. nauch. rab. Arkh. IEMG no. 4:21-27 '60.

ARCHANGEL—MILK, HUMAN

Effect of vitamin C supplement on the level of ascorbic acid in the milk and blood of puerperants in Archangel [with summary in English]. Z. A. Kopylova. Vop. pit. 21 no. 6:56-60 N-D '62.

ARCHANGEL—SALMONELLA

Characteristics of the cultures of Salmonella isolated in Archangel in 1957-1958. L. V. Kolobova, A. V. Skroznikova. Sbor. nauch. rab. Arkh. IEMG no. 4:11-18 '60.

ARCHANGEL—SALMONELLA INFECTIONS

Clinical and epidemiological characteristics of salmonella infections in Archangel. L. B. Kheifets, L. V. Kolobova, E. A. Falevskaia. Sbor. nauch. rab. Arkh. IEMG no. 4: 3-10 '60.

Food poisoning caused by Gaertner's bacillus. L. V. Kolobova and others. Sbor. nauch. rab. Arkh. IEMG no. 4:19-20 '60.

ARCHANGEL—TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS

Innovators' achievements in an automotive transportation unit. E. Penza. Avt. transp. 42 no. 4:12 Ap '64.

ARCHANGEL—WORMS, INTESTINAL AND PARASITIC

Role of Lamblia and helminths in the etiology of acute intestinal diseases of young children in Archangel. Z. S. IAldygina and others. Sbor. nauch. rab. Arkh. IEMG no. 4:42-48 '60.

ARCHANGEL PROVINCE—LUMBER—TRANSPORTATION

Tanashev, R. I., and A. IA. Zav'ialov. [Mechanized loading in lumber transportation] Mekhanizirovannaia pogruzka drevesiny na lesovoznyi transport. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 69 p.
[MICROFILM]

ARCHANGEL PROVINCE—LUMBERING

Davidenko, I. I. [Organization of work at a landing] Organizatsiia rabot na nizhnem sklade. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 35 p. (Govoriat novatory lesozagotovok)
[MICROFILM]

ARCHANGEL PROVINCE—POLIOMYELITIS

Poliomyelitis in Archangel Province. Report No. 1: Incidence of poliomyelitis in Archangel Province. F. P. Khudovekov. Sbor. nauch. rab. Arkh. IEMG no. 4:66-71 '60.

ARCHITECTURE see subdivision under Armenia; Georgia

ARCHITECTURE—COMPETITIONS

Raise the quality of city construction. B. Kovlazin. Stroi. i arkhit. 11 no. 10:1-2 O '63.

What the last competition showed. S. Tutuchenko. Stroi. i arkhit. 11 no. 10:3-4 O '63.

ARCHITECTURE—CONGRESSES

Soiuz arkhitektorov SSSR. [Third All-Union Congress of Soviet Architects, May 18-20, 1961; an abridged verbatim report] Tretii Vsesoiuznyi s"ezd sovetskikh arkhitektorov, 18-20 maia 1961 g.; sokrashchennyi stenograficheskii otchet. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 180 p.
(NN)

ARCHITECTURE—CONSERVATION AND RESTORATION see subdivision under Mtskheta

ARCHITECTURE, BUDDHIST see subdivision under Sanchi, India

ARCHITECTURE, DOMESTIC see subdivision under Svanetia

ARCHITECTURE AND CLIMATE see subdivision under Georgia; Maritime Territory

ARCHIVES
(see also subdivision under Krasnodar; Moscow)

Basic results and prospects of archive research in the U. S. S. R. G. A. Belov. Vop. ist. 39 no. 3:159-163 Mr '64.

ARCTIC FOX—DISEASES AND PESTS see subdivision under Kazakhstan

ARCTIC REGIONS—NAVIGATION

On the ice route. Mor. flot 23 no. 12:47 D '63.

ARCTIC REGIONS—NUTRITION SURVEYS

Content of vitamin C in the blood of healthy subjects and some surgical patients in the Arctic [with summary in English]. V. A. Popov, G. G. Ostrov. Vop. pit. 21 no. 6:60-62 N-D '62.

ARCTIC REGIONS—VITAMINS—A

Vitamin A provision for man in the Arctic regions. V. N. Aleksandrov. Sbor. nauch. rab. Arkh. IEMG no. 4:89-92 '60.

AREPINA, IA.

An actress refuses a role. L. Torin. Isk. kino 24 no. 1: 116-118 '64.

ARGENTINIDAE see subdivision under Atlantic Ocean

ARGUN MOUNTAIN RANGE—ROCKS—RADIOACTIVE PROPERTIES

Radioactivity of rocks in the Argun Mountain Range (Southeastern Transbaikalia). A. S. Zabolotnov. Zap. LGI 45 no. 2:34-38 '63.

ARITHMETIC—PROBLEMS, EXERCISES, ETC.

Assimilation of the general method of working on arithmetic problems by students. M. A. Bantova. Nach. shkola 32 no. 1:50-54 Ja '64.

ARIZONITE

Proarizonite as a secondary mineral of the supergene alteration of ilmenite. A. D. Bykov. Dokl. AN SSSR 156 no. 3:567-570 '64.

ARLAN OIL FIELD—PETROLEUM PRODUCTION

Economic efficiency in the use of various methods for stimulating the recovery of oil in the Arlan field. A. V. Kartseva, L. I. Chirikov. Nefteprom. delo no. 3:22-25 '64.

ARM—INNERVATION

Formation of the median and ulnar nerves and the accompanying anomalies of the axillary artery in man [with summary in English]. S. P. Pakhomov. Arkh. anat., gist. i embr. 43 no. 12:66-68 D '62.

ARM—WOUNDS AND INJURIES

Methodology of applying a thoracobrachial cast with the patient in a recumbent position. A. F. Altukhov, B. R. Talyshinskii. Ortop., travm. i protez. 24 no. 10:72 O '63.

ARMED FORCES see subdivision under Germany, West; Russia; United States

ARMENIA—ADMINISTRATIVE ECONOMIC [illegible]

At the Economic Council of the [illegible] Arm. [illegible] Mr '64.

ARMENIA—APARTMENT HOUSES

Problem of the number of [illegible] apartment houses. [illegible] 54-56 My '64.

ARMENIA—ARCHITECTURE

Marutian, Tiran. [Zvartnots and [illegible] of the Zvartnots type; an essay in architectural [illegible]] Zvartnots i pamiatniki tipa [illegible] kriticheskii ocherk. Erevan, [illegible] 185 p. [In Armenian]

ARMENIA—BRONZE AGE

Metallurgy of the [illegible] Bronze Age. [illegible]

ARMENIA—CADDIS FLIES

Classification [illegible] Mart. [illegible] A. M. [illegible] SSR. Biol. nauki [illegible]

ARMENIA—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

[illegible] My '64.

ARMENIA—CHILDREN—LAW

Privileges for [illegible] Arm. [illegible] My '64.

ARMENIA—CONSTRUCTION INDUSTRY

[illegible] My '64.

ARMENIA—COPPER MINES AND MINING

[illegible] My '64.

ARMENIA—COTTON GROWING

[illegible]

ARMENIA—[illegible] HISTORY

Respublikanskaia nauchnaia [illegible] Armenii. 1st. [Materials of the [illegible] Republic Scientific Conference of [illegible] Armenia] Materialy [illegible] 1963. 71 p.
[illegible]

ARMENIA—[illegible]

[illegible]

ARMENIA—FARM MECHANIZATION

[illegible]

ARMENIA—FOREST SOILS

[illegible] soils of Armenia. [illegible] SSR. Biol. nauki 17 [illegible]

ARMENIA—FORTIFICATIONS, OLD

Fortresses of Armenia [in Armenian [illegible] Russian]. [illegible] '63.

ARMENIA—FRUIT JUICES

Conference on rapid methods for [illegible] A. Ovanesian. Prom. Arm. [illegible]

ARMENIA—FURNITURE INDUSTRY

Promote the introduction of [illegible] wood fibers and of [illegible] industry. [illegible] Prom. Arm. [illegible] '64.

ARMENIA—GRANARIES—DISINFECTION

[illegible] of granaries with [illegible] organic preparations. G. M. [illegible], A. S. Karian, A. A. Markosian. [illegible] '64.

ARMENIA—HISTORY

Armenian-Byzantine alliance against Persia in the [illegible] century [in Armenian with summary in Russian]. [illegible] Iskanian. Ist.-filol. zhur. no. 1:51-[illegible] '64.

ARMENIA—HUMUS

Group and fractional composition of humus in the [illegible] soils of Armenia. M. S. Danielian. Izv. AN Arm. SSR. Biol. nauki 17 no. 3:25-34 Mr '64.

ARMENIA—ICHNEUMON FLIES

Two species of the genus Agathis latr. (Hymenoptera, Braconidae) from the Caucasus. V. I. Tobias. Izv. AN Arm. SSR. Biol. nauki 17 no. 3:59-62 Mr '64.

ARMENIA—INDUSTRIAL MANAGEMENT
At the plant and State Farm [illegible] Committee of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S.S.R. Prom. Arm. [illegible] Mr '64.
Chief economist [illegible] M. [illegible] Prom. Arm. [illegible] Mr '64.
Influence of [illegible] economic [illegible] Prom. Arm. [illegible] no. [illegible] Mr '64.

ARMENIA—LAVA—MAGNETIC PROPERTIES
Causes of the [illegible] Quaternary lavas of Armenia [illegible] G. M. [illegible] Izv. AN Arm. SSR. Geol. i geog. nauki [illegible] Ap '64.

ARMENIA—MAN, PREHISTORIC
The first population groups in Armenia during the Bronze Age and early Iron Age [in Armenian with summary in Russian]. [illegible] Izv. AN Arm. SSR. Obshchest. nauki no. 1:17-[illegible] Ja '64.

ARMENIA—METALLURGY
[illegible] Mr '64.
[illegible]

ARMENIA—MINING ENGINEERING
[illegible] Mr '64.

ARMENIA—MOTION PICTURE INDUSTRY
[illegible]

ARMENIA—ORE DEPOSITS
[illegible]

ARMENIA—ORES—TESTING
[illegible] Mr '64.

ARMENIA—PARASITES—BOVINE
[illegible] Mr '64.

ARMENIA—PASTURES AND MEADOWS—FERTILIZERS AND MANURES
[illegible] Mr '64.

ARMENIA—PHILOLOGICAL RESEARCH
[illegible]

ARMENIA—PLANTS—CHEMISTRY
[illegible] Mr '64.

ARMENIA—POPLAR
[illegible] Mr '64.

ARMENIA—POWER TRANSMISSION—OVERHEAD
[illegible]

ARMENIA—PRESS, SOVIET
[illegible]

ARMENIA—RIVERS
Formation of the maximum runoff of spring in the Armenian S.S.R. [illegible] Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. [illegible] '63.

ARMENIA—ROCKS
Review of "[illegible] composition of the igneous and metamorphic rocks of the Armenian S.S.R." [illegible] Izv. AN Arm. SSR. Geol. i geog. nauki [illegible] '64.

ARMENIA—ROOFING, SLATE
[illegible] Prom. Arm. [illegible] Mr '64.

ARMENIA—RUNOFF
Formation of the maximum runoff of spring in the Armenian S.S.R. [illegible] Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. [illegible] '63.

ARMENIA—SILVERSMITHING
From the history of Armenian silversmithing in Cilicia [in Armenian with summary in Russian]. G.N. Ter-Gevondian. Ist.-filol. zhur. no. 2:53-64 '63.

ARMENIA—TECHNICAL SOCIETIES
In the Armenian House of Technology. Prom. Arm. 7 no. 1:10 Mr '64.

ARMENIA—TECHNOLOGICAL INNOVATIONS
Briefly. Prom. Arm. 7 no. 3:66-69 Mr '64.

ARMENIA—THEATER
The Armenian drama studio in Moscow, 1918-1925. Bakhsh Arutiunian. Izv. AN Arm. SSR. Obshchest. nauki no. 1:65-74 Ja '64.

ARMENIA—TRACTORS
Some results of the utilization of the tractor pool in the [illegible] growing areas of the Armenian S.S.R. [illegible] Trudy Arm. NIIMESKh no. 1:45-52 '63.

ARMENIA—VITICULTURE—EQUIPMENT AND SUPPLIES
[illegible] G. A. Agadzhanian. Trudy Arm. NIIMESKh no. 1: 117-127 '63.

ARMENIA—VOCATIONAL EDUCATION
[illegible] Grigorian. Prom. Arm. 7 no. 3:44-45 Mr '64.

ARMENIA—WEED CONTROL
[illegible] Izv. AN Arm. SSR. [illegible] Mr '64.

ARMENIA IN LITERATURE AND ART
[illegible] [in Armenian with summary in Russian]. [illegible] Ist.-filol. zhur. no. 4:67-80 '63.

ARMENIAN CALENDAR see Calendar, Armenian

ARMENIAN INSCRIPTIONS see Inscriptions, Armenian

ARMENIAN LANGUAGE
Markarian, At. S., M. P. Asatrian, and [illegible] [Armenian language; textbook for the students of Russian language departments at institutions of higher learning] Armianskii iazyk; uchebnik dlia studentov russkikh otdelenii vuzov. Erevan, Armuchpedgiz, 1963. 326 p.

ARMENIAN LANGUAGE—ALPHABET
[illegible] Mashtots [illegible] [in Armenian with summary in Russian]. [illegible] Ist.-filol. zhur. no. 4: [illegible] '63.
[illegible] Mashtots [illegible] [in Armenian with summary in Russian]. [illegible] Ist.-filol. zhur. no. 4: [illegible] '63.

ARMENIAN LANGUAGE—DIALECTS see subdivision under Turkey

ARMENIAN LANGUAGE—DICTIONARIES—RUSSIAN
Melkonian, M. I., and A. A. Sukiasian. [Armenian-Russian school dictionary, about 10,000 words] Armiano-russkii shkol'nyi slovar' (okolo 10 000 slov). Erevan, Armuchpedgiz, 1963. 311 p.

ARMENIAN LANGUAGE—MACHINE TRANSLATING
Programmed realization of the algorithm of Armenian-Russian translation. [illegible] NTI no. 12:41-44 '63.
Some results of the work on machine translation from Armenian into Russian. [illegible] Grigorian. NTI no. 12: 40-41 '63.

ARMENIAN LANGUAGE—WORDS
Etymologies [in Armenian with summary in Russian] [illegible] Ist.-filol. zhur. no. 4:[illegible] '63.

ARMENIAN LITERATURE—TRANSLATIONS INTO RUSSIAN—BIBLIOGRAPHY see Bibliography—Armenian literature—Translations into Russian

ARMENIAN MANUSCRIPTS see Manuscripts, Armenian

ARMENIAN POETRY—TRANSLATIONS INTO RUSSIAN
Translations by Valery Briusov for the "Poetry of Armenia." [illegible] Ist.-filol. zhur. no. 4:[illegible] '63.
V. Ia. Briusov's work on the second edition of "Poetry of Armenia." [illegible] Ist.-filol. zhur. no. 4:[illegible] '63.

ARMIES see subdivision 'Army' under Bulgaria; Czechoslovakia; Germany, East; Russia

AROMATIC COMPOUNDS
Mobility of hydrogen in the methoxy group of aromatic compounds as dependent on other substituents. E. A. Rabinovich, A. I. Shatenshtein. Dokl. AN SSSR 155 no. 5:1141-[illegible] Ap '64.
Sulfonation of a hydrofined oil fraction in order to remove aromatic compounds. D. M. [illegible] and others. Neftepererab. i neftekhim. no. 4:14-17 '64.
Vibrational spectra and aromaticity of [illegible] V. I. Berezin. Dokl. AN SSSR 155 no. 3: 629-631 Mr '64.

AROMATIC COMPOUNDS—SPECTRA
Width of luminescence spectra and [illegible] in transitions from the singlet and phosphorescent levels of aromatic compounds. V. L. Ermolaev. Opt. i spektr. 16 no. 4:701-705 Ap '64.

AROMATIZATION
Dehydrocyclization of normal hexane. B. A. Kazanskii and others. Trudy GrozNII no. 15:254-261 '63.

ARRHYTHMIA
Ventricular form of paroxysmal tachycardia in children. [illegible] Pediatriia 42 no. 11:[illegible] '63.

ARSENIC
Arsenic as an indicator of sanitary and hydrobiological conditions of the bodies of water in the steppe zone of the Ukraine. [illegible] Gig. i san. 28 no. [illegible] '63.
Determination of arsenic in [illegible] Apt. delo 11 no. 5 [illegible] '62.

ARSENIC COMPOUNDS
Arsenic-containing inorganic insecticides and toxic substances. [illegible] Zashch. rast. ot vred. i bol. 9 no. 4:[illegible] '64.

ARSENIC COMPOUNDS—PHYSIOLOGICAL EFFECT
Change in the [illegible] sensitivity of [illegible] arsenic compounds. [illegible] Dokl. AN SSSR 155 no. [illegible] Ap '64.

ARSENIC POISONING
Cases of [illegible] poisoning with [illegible] arsenate. [illegible] Sud.-med. ekspert. 5 no. [illegible] '62.

ARSONIC ACIDS
[illegible] N. P. Lastovskii, I. G. Kolpakova, [illegible] Metod. poluch. khim. reak. i prepar. no. 6:53-57 '62.
[illegible] A. M. Lukin, G. S. Petrova. Metod. poluch. khim. reak. i prepar. no. 6:13-16 '62.
[illegible] A. M. Lukin, G. S. Petrova. Metod. poluch. khim. reak. i prepar. no. 6:16-18 '62.

ART
see also subdivision under Moscow Province
Alpatov, M. V. [Studies in the history of west European art] Etiudy po istorii zapadnoevropeiskogo iskusstva [Izd. 2, dop.] Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 423 p. illus.
[illegible] Iskusstvo 26 no. 12:[illegible] '63.
Kovalenskaia, N. N. [Russian classicism; paintings, sculpture, graphic arts] Russkii klassitsizm; zhivopis', skul'ptura, grafika. Moskva, Iskusstvo, 1964. 301 p. illus.
[illegible], IU. I. [Art of life or "art of nothing"] Iskusstvo zhizni ili "iskusstvo nichego"? Moskva, Iskusstvo, 1964. 80 p.

ART—EXHIBITIONS, TRAVELING see subdivision under Soviet Far East

ART—JUVENILE LITERATURE
The writer and the history of painting. A. [illegible] Nov. mir 40 no. 3:235-238 Mr '64.

ART—PERIODICALS
Looking over foreign periodicals. [illegible] Iskusstvo 26 no. 12:[illegible] '62.

ART—PSYCHOLOGY
Iakobson, P. M. [The psychology of artistic perception] Psikhologiia khudozhestvennogo vospriiatiia. Moskva, Iskusstvo, 1964. 84 p.

ART, ABSTRACT
"Just where is the beauty of life?" [illegible] 10 no. [illegible] '63.
Stoikov, Atanas. [Criticism of abstract art and its theories] Kritika abstraktnogo iskusstva i ego teorii. Moskva, Iskusstvo, 1964. 348 p.

ART, BUDDHIST
Reconstruction of some mythological conceptions based on materials of the Buddhist fine arts. V. N. Toporov. Nar. Az. i Afr. no. 3:101-110 '64.

ART, MOLDAVIAN
Cheban, L. [Fruits from the tree of friendship; sketches on Moldavian art] Plody s dereva druzhby; ocherki o moldavskom iskusstve. Kishinev, Karta moldoveniaske, 1964. 134 p. illus.

ART, UKRAINIAN

[Lenin in Ukrainian art; paintings, sculpture, graphic works, posters] Lenin v Ukrains'komu mystetstvi; zhyvopys, skul'ptura, grafika, plakat. [Kyiv] Derzh. vyd-vo "Mystetstvo," 1963, 2] p. plates.

ART AND INDUSTRY

[illegible] labor. S.S.Gol'dentrikht. [illegible]

ART GALLERIES AND MUSEUMS see subdivision under Leningrad

ART GALLERIES AND MUSEUMS—CATALOGS see subdivision under Pskov

ART INDUSTRIES

[illegible] folk art. T.Razina. Iskusstvo [illegible] '62.

ARTEMOVSK—BANKS AND BANKING

[illegible] work practice. T.Kinash. Den.i kred. [illegible] Mr '64.

ARTERIES

Projection anatomy of the intrapericardial segments of the vessels of the heart root. G.N.Toporov. Khirurgiia [illegible] '63.

ARTERIES—DISEASES

Bacterial endarteritis of the patent ductus arteriosus (Botallo's) in children. N.G.Zernov. Khirurgiia no.[illegible] '63.

Pressure therapy in the compound treatment of obliterative arterial diseases of the lower extremities. N.I. [illegible], V.IA.Zolotarevskii. Eksper.khir.i anest. [illegible] Jl-Ag '63.

ARTERIES—INNERVATION

Innervation of the human thyrocervical trunk and its arteries. L.V.Beliaev. Sbor.nauch.rab.IAr.med.inst. no.18:26-41 '59.

ARTERIES—LIGATURE

Experimental data on the collateral circulation in the surface vessels of the brain [with summary in English]. I.V.Gannushkina, V.P.Shafranova. Vop.neirokhir. 27 no.5:13-18 S-O '63.

ARTERIES—SURGERY

Use of autoplast veins reinforced by perlon casings for plastic surgery of peripheral arteries under experimental conditions. IU.G.Shaposhnikov. Eksper.khir.i anest. 8 no.4:42-46 Jl-Ag '63.

ARTERIOSCLEROSIS

Angiographic examination of the major arteries of the lower extremities in atherosclerosis. S.G.Dulaev. Zdrav.Bel. 9 no.6:28-30 Je '63.

Atherosclerotic neuritis. S.N.Gal'ianov. Zdrav.Kazakh. 23 no.4:72-73 '63.

Case of perforation of an atherosclerotic aneurysm of the abdominal aorta into the duodenum. IU.G.Papunin. Khirurgiia no.1:127-128 '63.

Dynamic investigation of some blood coagulation components in hypertension and atherosclerosis. R.Arykova. Zdrav.Kazakh. 23 no.4:32-36 '63.

Effect of vitamin E on lipoids and blood coagulability in patients with atherosclerosis [with summary in English]. R.P.Nisitan. Vop.pit. 21 no.6:22-27 N-D '62.

Effectiveness of treating atherosclerosis and chronic coronary insufficiency at the Kobuleti health resort. N.F.TSkhomelidze, R.P.Giorgobiani. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:87-92 '63.

Endogenic hypercholinesterinemia and arterial hypertonia in rats exposed to a prolonged action of stimulants on the central nervous system. A.I.Seranova. Dokl.AN SSSR 155 no.4:935-937 Ap '64.

Estrogens and their protective role in metabolic processes. M.F.Merezhinskii. Zdrav.Bel. 9 no.6:13-15 Je '63.

Expediency of balneological treatment of stenocardia in patients with atherosclerosis. N.I.Speranskii, E.I.Sorokina. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:199-204 My-Je '63.

Incorporation of 4C14-labeled cholesterol into lipoprotein fractions of the blood serum in atherosclerosis [with summary in English]. A.P.Golikov. Med.rad. 8 no.5:44-47 My '63.

Treatment of atherosclerosis of the coronary arteries with stenocardial pain during exercise in the polyclinics of the Kislovodsk Health Resort. V.V.Tambieva. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:204-210 My-Je '63.

ARTERIOVENOUS FISTULA see Fistula, Arteriovenous

ARTHRITIS

Change in the protein fractions of the blood serum of sheep in experimental infectious polyarthritis. I.A.Farzaliev, IA.IU.Babaev. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:107-114 '63.

Modern position on the problem of arthrosis arthritis of the mandibular joint. L.S.Izmailova. Trudy TSIU 64:163-167 '63.

ARTHRITIS, RHEUMATOID

Change in the blood protein fractions during the treatment of rheumatic fever. E.A.Mezenchuk and others. Zdrav.Kazakh. 23 no.4:28-32 '63.

Electrophoretic protein formula of the blood in patients with rheumatoid polyarthritis in the process of treatment with cortisone. A.A.Nizov. Nauch.trudy Riaz.med.inst. 14:176-180 '63.

Wissler-Fanconi's syndrome. T.V.Loverdo. Vop.okh.mat.i det. 7 no.6:74-76 Je '62.

ARTHRODESIS

Formula for calculation of the angle in pes equinus following arthrodesis of the talocrural joint. B.I.Belen'kii. Ortop.,travm.i protez. 24 no.10:68-69 O '63.

Indications for arthrodesis of the hip joint in patients with sequelae of poliomyelitis. O.V.Nedrigailova, B.A.Pogrebniak. Ortop.,travm.i protez. 24 no.10:3-11 O '63.

ARTHROPODA

Evolution of the cuticle in Arthropoda. M.S.Giliarov, L.M.Semenova. Usp.sovr.biol. 56 no.2:209-227 S-O '63.

ARTHROPODA—EXTERMINATION

Effect of insecticidal aerosols produced by the TDA generator on Arthropoda in pine stands. A.I.Cherepanov, S.I.Novikov, N.P.Gomolunova. Trudy Biol.inst.Sib.otd.AN SSSR no.10:141-151 '63.

ARTIFICIAL HIBERNATION

Intraosseous anesthesia using neuroplegics [with summary in English]. IU.I.Ovchinnikov, IU.N.IUr'ev. Vest.khir. 90 no.5:105-110 My '63.

ARTIFICIAL INSEMINATION

Important method of improving the reproduction of swine. F.I.Ikoeu. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:106-108 '64.

ARTIFICIAL INSEMINATION—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

ARTIFICIAL LEATHER see Leather, Artificial

ARTIFICIAL SATELLITES

Approximate formulae for the determination of lifetime of an artificial earth satellite. P.E.El'iasberg. Kosm.issl. 2 no.2:198-218 Mr-Ap '64.

Calculating streams of escaping long-wave radiation by means of the data obtained from the artificial earth satellite. M.E.Shvets. Kosm.issl. 2 no.2:272-275 Mr-Ap '64.

Detection of electrons with an energy from 40 eV to 5 keV in the upper atmosphere. T.M.Muliarchik. Kosm.issl. 2 no.2:266-271 Mr-Ap '64.

Geographical position of maxima of particle intensity in the external radiation belt at low altitudes. S.N.Vernov and others. Kosm.issl. 2 no.2:289-295 Mr-Ap '64.

Investigating cosmic radiation at altitudes from 200 to 350 km. with "Kosmos 4" and "Kosmos 7" satellites. R.N.Basilova and others. Kosm.issl. 2 no.2:280-288 Mr-Ap '64.

Some problems in the interpretation of the measurement of radiation from satellites. M.S.Malkevich. Kosm.issl. 2 no.2:246-256 Mr-Ap '64.

ARTIFICIAL SATELLITES—ORBITS

Evolution of the orbit of a circling satellite of the terrestrial spheroid. G.V.Samoilovich. Kosm.issl. 2 no.2:179-197 Mr-Ap '64.

ARTILLERY DRILL AND TACTICS

March of a division. G.Mozgovoi. Voen.vest. no.3:71-74 Mr '64.

Preparation of guns for the march and for firing; advice on conducting exercises. V.Lavrov. Voen.vest. no.3:112-115 Mr '64.

ARZUMIAN, ANUSHAVAN AGAFONOVICH, ca. 1904-

Anniversary of a scholar and Bolshevik. Vop.ekon. no.4:159-160 Ap '64.

ASAF'EV, BORIS VLADIMIROVICH, 1884-1949

About Asaf'ev. L.Kershner. Sov.muz. 27 no.11:52-54 N '63.

ASBESTOS—PHYSIOLOGICAL EFFECT

Clinical aspect and diagnosis of asbestosis. A.L.Klokov. Sbor.nauch.rab.IAr.med.inst. no.21:31-37 '59.

ASBESTOS CEMENT

(see also subdivision under United States)

Let us extend the practices of progressive enterprises of the asbestos cement industry. Stroi.mat. 9 no.8:31-33 Ag '63.

ASBESTOS CEMENT—COSTS

Means of lowering the cost of manufacturing asbestos cement products. E.P.Efimova. Stroi.mat. 9 no.8:8-10 Ag '63.

ASBESTOS CEMENT ROOFING see Roofing, Asbestos cement

ASCARIDS AND ASCARIASIS

Changes in the functions of some internal organs in children with an ascarid invasion and the dynamics of the restoration of normal functions following deworming depending on the treatment used. S.A.Konokotina, M.S.Filosofova. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:170-173 '62.

ASCORBIC ACID

Change in the quantity of cholesterol, prothrombin and ascorbic acid in the blood of workers with hypertension during work. M.A.Poliukhov. Zdravookhranenie 7 no.1:24-29 Ja-F '64.

Content of ascorbic acid in a skin autograft implanted under the skin. M.D.Kiverin, Z.I.Kiverina. Eksper.khir.i anest. 8 no.4:15-19 Jl-Ag '63.

Content of vitamin C in the blood of healthy subjects and some surgical patients in the Arctic [with summary in English]. V.A.Popov, G.G.Ostrov. Vop.pit. 21 no.6:60-62 N-D '62.

Criteria for vitamin C requirements; observations on children [with summary in English]. S.N.Matsko and others. Vop.pit. 21 no.6:52-56 N-D '62.

Effect of cysteine and ascorbic acid on the content of sulfhydryl groups in proteins and on the excretion of zinc in chronic poisoning with zinc compounds. A.E.Klimontovskaia. Nauch.trudy Riaz.med.inst. 15:23-33 '62.

Effect of cysteine and ascorbic acid on the course of chronic zinc intoxication. A.E.Klimontovskaia. Nauch.trudy Riaz.med.inst. 15:26-29 '62.

Effect of vitamin C supplement on the level of ascorbic acid in the milk and blood of puerperants in Archangel [with summary in English]. Z.A.Kopylova. Vop.pit. 21 no.6:56-60 N-D '62.

Effect of vitamins C and E on the physiological characteristics and sensitivity of the gerbil Meriones meridianus to plague infection [with summary in English]. N.I.Kalabukhov, G.P.Shirokova, A.I.Shtil'man. Zhur.mikrobiol.,epid.i immun. 40 no.4:102-107 Ap '63.

Interrelations between vitamins C and P. N.N.Berezovskaia, A.IA.TSeitlina, S.A.Lapina. Vop.pit. 21 no.5:26-31 S-O '62.

Role of ascorbic acid and cysteine in disintoxication of the organism poisoned with cadmium chloride. I.V.Shcherbakova. Nauch.trudy Riaz.med.inst. 15:190-195 '62.

Role of new technology and food recipes in planning for vitamin C supply for the population [with summary in English]. F.Balla, M.Kisel. Vop.pit. 21 no.6:45-49 N-D '62.

Seasonal changes in the content of ascorbic acid in potatoes of Crimean Province. I.N.Kal'nada, I.S.Severinov. Vop.pit. 21 no.6:78-79 N-D '62.

Vitamin C activity in candied currants and jams from fruits and berries rich in vitamin C. I.L.Korotkov. Vop.pit. 21 no.6:79-80 N-D '62.

Ways of mobilizing reserves in the production of ascorbic acid. S.Z.Pogostin, A.N.Kalachev. Med.prom. 17 no.9:12-15 S '63.

ASCORBIC ACID—PHOTOELECTRIC PROPERTIES

Improved methodology for determining ascorbic, dehydroascorbic and diketogulonic acids by A.N.Klimov's technique. S.B.Tagi-Zade. Lab.delo no.4:233-234 '64.

ASCORBIC ACID METABOLISM

Effect of poisoning with tungsten compounds on ascorbic acid metabolism in an animal organism. E.D.Stalbova, N.V.Sharshukova. Nauch.trudy Riaz.med.inst. 15:129-131 '62.

ASH (TECHNOLOGY)

Phase composition of shale ash and its effect on the physical and chemical processes under normal hardening conditions. N.L.Diliaktorskii, E.A.Galibina, T.B.Kremerman. Stroi.mat. 10 no.4:31-33 Ap '64.

Using shale ash in the production of pipes. R.A.Volchenskaia, O.K.Enenko, I.M.Ozerov. Trudy VNIIT no.11:199-210 '62.

ASH (TREE) see subdivision under Soviet Far East; Tiflis

ASH DISPOSAL

Kropp, L.D., and A.Sh.Bronshtein. [Operation of battery cyclones] Ekspluatatsiia batareinykh tsiklonov. Moskva, Izd-vo "Energiia," 1964. 150 p.

ASHKHABAD—HEPATITIS, INFECTIOUS

Epidemiology of Botkin's disease in Ashkhabad. A.S.Ermina. Zdrav.Turk. 8 no.1:30-32 Ja '64.

ASHKHABAD—NURSES AND NURSING

Work of the nurses council. E.D.Klimotina. Zdrav.Turk. 7 no.12:33-34 D '63.

ASHKHABAD—SOCIALIST COMPETITION

Cordial reception. D.Pisliakov. Sov.voin 44 no.23:30 D '62.

ASHKHABAD PROVINCE—DESERT FLORA

Materials on the biology of ephemeral plants. V.V.Nikitin, A.IA.Polkovnichenko. Trudy Turk.sel'khoz.inst. 11 no.2:69-76 '62.

el-ASHWAI, SALEH ALI, 1934

Saleh Ali el-Ashwai. Nov.vrem. 21 no.19:11 My '64.

ASIA—COMMERCE

The U.N. Economic Commission for Asia and the Far East and certain problems of trade [with summary in English]. IU.I.Dvoretskii. Vest.LGU 19 no.5:148-152 '64.

ASIA—ETHNOLOGY

Akademiia nauk SSSR. Institut etnografii. [Ethnic processes and composition of the population in the countries of southwestern Asia] Etnicheskie protsessy i sostav naseleniia v stranakh perednei Azii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 171 p
(DBC)

ASIA—MAGNETIC ANOMALIES

Field of the vertical gradient of the Z-component of the geomagnetic field over the northwestern wing of the East Asian anomaly. O.M.Raspopov, B.M.IAnovskii. Izv.AN SSSR.Ser.geofiz. no.4:548-551 Ap '64.

ASIA—REVENUE

Internal sources of capital formation by the government in the young politically independent countries [with summary in English]. M.A.Skliar. Vest.LGU 19 no.5:25-36 '64.

ASIA—SAVING AND INVESTMENT

Internal sources of capital formation by the government in the young politically independent countries [with summary in English]. M.A.Skliar. Vest.LGU 19 no.5:25-36 '64.

ASIA—STRIKES AND LOCKOUTS

Class struggles are growing. E.Ivanov. Az.i Afr.seg. 7 no.5:13-15 My '64.

ASIA, CENTRAL—COMMERCE

"Relations between the peoples of Central Asia and the neighboring countries of the East from the 18th century through the early 20th century." Reviewed by L.M.Landa. Nar.Az.i Afr. no.3:200-201 '64.

ASIA, CENTRAL—PHYSICAL GEOGRAPHY

The Pamirs and Central Asia. O.E.Agakhaniants. Izv. Vses.geog.ob-va 96 no.2:103-108 Mr-Ap '64.

SIA, CENTRAL—RUNOFF

Average annual distribution of the runoff of suspended silt carried by the rivers of Central Asia. O.P. Shcheglov. Nauch.trudy TashGU no.213.Geog.nauki no.24:13-18 '63.

SIA, SOUTHEASTERN—TRADE UNIONS

Class struggles are growing. E.Ivanov. Az.i Afr.seg. 7 no.5:13-15 My '64.

SIA, SOVIET CENTRAL see Soviet Central Asia

SPARTIC AMINOTRANSFERASE

Relation between the changes in the activity of glutamic-aspartic aminopherase in the blood and morphological lesions of the liver parenchyma in different forms of cholecystitis [with summary in English]. B.S.Kaplanskii. Khirurgiia 39 no.6:90-93 Je '63.

SPEN see subdivision under White Russia

SPHALT CONCRETE

Slun'l, G.K. [Colored asphalt concrete] TSvetnoi asfal'tobeton. Moskva, Transport, 1964. 49 p.

SPHALT ROCK

Means for improving the qualities of road asphalts. R.S. Akhmetova, A.P.Gniloukhova. Trudy BashNII NP no.6:133-139 '63.

SPHYXIA

Asphyxia and its prevention in strumectomy. L.F. Cheremukhin, M.E.Rusonik, E.M.Palagin. Kaz.med. zhur. no.6:13-14 N-D '62.

SSAYING

election and treatment of assays in fluorometric surveys in eastern Transbaikalia. IA.D.Fedorenko. Zap.LGI 45 no.2:114-118 '63.

SSEMBLY-LINE METHODS

Automatic line for the assembly of engine cylinder heads. G.L.Parsamova. Mekh.i avtom.proizv. 18 no.5:12-14 My '64.

rzhezlak, IU.D. [Continuous flow line in the manufacture of flanges and rings] Potochnaia liniia izgotovleniia flantsev i kolets. Leningrad, Sudostroenie, 1964. 60 p.

ontinuous production lines for the wet operations in the production of stiff leather in the Ivano-Frankovsk Leather Combine. B.I.Dechko, D.S.Pozhars'kyi. Leh. prom. no.4:13-17 O-D '63.

Description of the mechanized continuous line for the production of halvah. O.M.Koshubliak. Khleb.i kond. prom. 8 no.4:27-28 Ap '64.

etermining the economic efficiency indices of a continuous-line construction. N.Timoshenko. Ekon. strol. no.4:42-47 Ap '64.

From the experience in the operation of a vacuum continuous production line for the mechanical processing of toilet soap. L.M.Baranov, T.A.Kazennova. Masl.-zhir. prom. 30 no.3:29-34 Mr '64.

From the report of A.N.Mikhailov "Generalization of the practices of the leather industry in the use of worm apparatus and ways for their further improvement." Kozh.obuv.prom. 5 no.12:3-6 D '63.

From the report of S.G.Ponomarev "Generalization of industrial practices in the manufacture of chrome leather from pig skins and cattle hides on continuous and semiautomatic lines." Kozh.obuv.prom. 5 no.12:6-8 D '63.

Mechanized continuous line for the production of chocolate masses with a proportioning station of the rotary type. N.M.Ruzanov. Khleb.i kond.prom. 8 no.4:28-32 Ap '64.

Mechanized continuous production line for making cast "Iris" toffee. M.IA.Smolianitskii. Khleb.i kond.prom. 8 no.3:41-43 Mr '64.

Modernization of the conveyor lines for the processing of waterfowl by the slaughterhouse methods. P.Abashin. Mias.ind.SSSR 34 no.6:33-35 '63.

Modernized detention time accelerator for dairy candies. N.M.Ruzanov. Khleb.i kond.prom. 8 no.3:37-39 Mr '64.

ASSEMBLY-LINE METHODS—MATHEMATICAL MODELS

Application of mathematical programming in minimizing intraoperational surpluses on direct flow lines. B.I. Kuzin. Prim.mat.v ekon. no.2:78-93 '64.

ASSUAN DAM see Aswan Dam

ASTRONAUTICS

Brief news. Kosm.issl. 2 no.2:341-351 Mr-Ap '64.

Taking possession of space and progress in production. A.D.Ursul. Vop.filos. 18 no.3:17-26 '64.

ASTRONAUTICS—STUDY AND TEACHING

Elucidation of the achievements of astronautics in studying general technical subjects. I.V.Kozheurov. Shkola i proizv. 8 no.3:62-66 Mr '64.

ASTRONAUTS

Borzenko, S.A., and N.N.Denisov. [Cosmic heroes; from the notebooks of the correspondents of "Pravda"] Kosmicheskie bogatyri; iz zapisnykh knizhek korrespondentov "Pravdy." Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no.17)

Soviet character. E.Riabchikov. Kryl.rod. 15 no.4: 8-9 Ap '64.

ASTRONOMICAL GEOLOGY

Ethics in science; with reference to B.IU.Levin and E.M. Rudich's article "On the Fourth Congress on Astrogeology." P.S.Voronov and others. Izv.Vses.geog.ob-va 96 no.2:164-167 Mr-Ap '64.

ASTRONOMICAL PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Photometric errors of the field of the NAFA 3s/25 cameras [with summary in English]. V.I.Ivanikov, I.M. Khaimov. Biul.Inst.astrofiz.AN Tadzh.SSR no.35:3-13 '63.

ASTRONOMY

Brief news. Astron.tsir. no.250:8 Jl '63.

Perel', IU.G. [Galilei and contemporary astronomy] Galilei i sovremennaia astronomiia. Moskva, Izd-vo "Znanie," 1964. 28 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no.9)

Vorontsov-Vel'iaminov, B.A. [Essays on the universe] Ocherki o Vselennoi. Izd.5., dop. Moskva, Izd-vo "Nauka," 1964. 552 p.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref.zhur.: Astron. no.6 Je '64.

ASTRONOMY—EARLY WORKS TO 1800

Copernicus, Nicolaus. [Revolutions of the celestial spheres; the Commentariolus; Letter against Werner; Uppsala record. Translated from the Latin] O vrashcheniiakh nebesnykh sfer; malyi kommentarii; poslanie protiv Vernera; Upsal'skaia zapis'. Perevod prof. I.N. Veselovskogo, stat'ia i obshchaia red. chlena-korrespondent AN SSSR A.A.Mikhailova. [Moskva] Izd-vo "Nauka," 1964. 653 p. (Klassiki nauki)

ASTRONOMY—PUNCH CARD SYSTEMS

Bibliographic system for meteorites on manually operated punch cards. A.A.IAvnel', G.G.Vorob'ev. Meteoritika no.24:180-193 '64.

ASTRONOMY, SPHERICAL AND PRACTICAL

Piaskovskii, D.V. [Course of spherical astronomy] Kurs sfericheskoi astronomii. [Kiev] Izd-vo Kievskogo univ., 1964. 135 p.

ASTROPHYSICS

Astrophysical problems of plasma physics [with summary in English]. D.A.Frank-Kamenetskii. Vop. kosm. 9:70-90 '63.

Hydrodynamic stability of a star [with summary in English]. IA.B.Zel'dovich. Vop.kosm. 9:157-170 '63.

Neutrino processes in stars [with summary in English]. V.S.Pinaev. Vop.kosm. 9:176-187 '63.

Neutrinos and their role in astrophysics [with summary in English]. B.Pontecorvo. Vop.kosm. 9:132-156 '63.

Possible phase state of matter of extremely high densities [with summary in English]. G.S.Saakian, IU.L. Vartanian. Soob.Biur.obser. no.33:55-86 '63.

Role of the effects of radiation in the theory of shock waves in stars [with summary in English]. I.A.Klimishin. Vop.kosm. 9:200-202 '63.

ASTROV, MIKHAIL SERGEEVICH, 1882-1957

Professor M.S.Astrov; on the 80th anniversary of his birth. R.M.Nurmukhamedov. Khirurgiia 39 no.6: 145 Je '63.

ASWAN DAM

Dulles' "Aswan gambit." G.Ushakov. Nov.vrem. 21 no.20:26-29 My '64.

The harnessing of the Nile. IU.Bochkarev. Nov.vrem. 21 no.21:4-7 My '64.

Prophesies that didn't come true. B.Zabirov. Az.i Afr.seg. 7 no.5:10-12 My '64.

Soviet economic cooperation with the United Arab Republic: an interview with V.A.Sergeev. Nov.vrem. 21 no.19: 8-9 My '64.

ATABRINE see Quinacrine

ATATÜRK, KAMÅL, Pres., Turkey, d.1938

In memoriam Kemal Atatürk. Vest.AN SSSR 34 no.2: 131-132 F '64.

ATHEISM

Dovgaliuk, P.N. [Atheism in Ukrainian literature; sketches] Ateizm v ukrainskoi literature; ocherki. Moskva, Izd-vo "Nauka," 1964. (Nauchno-populiarnaia seriia)

ATHEISM—STUDY AND TEACHING
(see also subdivision under Alma-Ata; Chirchik (Uzbekistan); Kazakhstan; Uzbekistan)

Art against religious intoxication. V.IAkub. Prof.-tekh.obr. 21 no.4:23 Ap '64.

In the Government Committee on Vocational Education attached to the State Planning Commission of the U.S.S.R. Prof.-tekh.obr. 21 no.4:3 Ap '64.

Institutions of higher learning and atheistic training. S.M.Orlov. Vest.vys.shkoly 22 no.4:67-72 Ap '64.

Religious remnants in the U.S.S.R., causes of their existence and means of overcoming them. E.A.Karpovskii. Vop.filos. 18 no.4:145-156 '64.

ATHEISM—STUDY AND TEACHING—BIBLIOGRAPHY see Bibliography—Atheism—Study and teaching

ATHLETICS

Ahead toward new achievements, Russia's athletes. M.Gusev. Pozh.delo no.4:19 Ap '64.

ATLANTIC OCEAN—ARGENTINIDAE

Some data on the biology of the argentine Argentina silus (Ascanius). O.D.Borodulina. Vop.ikht. 4 no.1:68-81 '64.

ATLANTIC OCEAN—ATMOSPHERE

Present status of changes in the troposphere during the natural synoptic seasons over Europe and the north of the Atlantic Ocean. V.P.Nekrasov. Trudy TSIP no.127:101-119 '63.

ATLANTIC OCEAN—EARTH—SURFACE

Length of time of rebuilding the continental crust into an oceanic one (based on the data of the northern Atlantic). IU.M.Sheimann. Izv.AN SSSR.Ser.geol. 29 no.1:42-49 Ja '64.

ATLANTIC OCEAN—FISHERIES

Summary of the First Session of the Commission for Fisheries in the Northeastern Atlantic. A.Volkov. Ryb. khoz. 40 no.3:84-86 '64.

ATLANTIC OCEAN—HERRING

Taxonomic place of herring from Georges and Banquereau Banks. IU.K.Benko. Vop.ikht. 4 no.1:61-67 '64.

ATLANTIC OCEAN—OCEAN CURRENTS

Geostrophic currents in the subpolar front zone in the northern part of the Atlantic Ocean. V.M.Gruzinov. Okeanologiia 4 no.2:243-248 '64.

ATLANTIC OCEAN—OCEANOGRAPHY

Primary production and phosphates in the Atlantic Ocean. L.B.Kliashtorin. Okeanologiia 4 no.2:311-312 '64.

ATLANTIC OCEAN—PHOSPHATES

Primary production and phosphates in the Atlantic Ocean. L.B.Kliashtorin. Okeanologiia 4 no.2:311-312 '64.

ATLANTIC OCEAN—STRONTIUM

"Treasures hidden in the Atlantic Ocean." V.I.Vul'fson. Okeanologiia 4 no.2:366 '64.

ATLANTIC OCEAN—SUBMARINE GEOLOGY

Island shelves in the North Atlantic. B.P. Vasil'ev. Priroda 53 no. 5:86-87 '64.

Length of time of rebuilding the continental crust into an oceanic one (based on the data of the northern Atlantic). IU. M. Sheimann. Izv. AN SSSR. Ser. geol. 29 no. 1:42-49 Ja '64.

ATLANTIC OCEAN—TURBULENCE

Direct determination of the intensity of turbulent exchange in the depths of the Atlantic Ocean. A. G. Kolesnikov, N. A. Panteleev, V. D. Pisarev. Dokl. AN SSSR 155 no. 4:788-791 Ap '64.

ATLANTIC OCEAN—URANIUM

"Treasures hidden in the Atlantic Ocean." V. I. Vul'fson. Okeanologiia 4 no. 2:366 '64.

ATLANTIC OCEAN—VOLCANOES

Birth of a new volcano. S. P. Bryzgalina. Priroda 53 no. 5:118-119 '64.

ATMOSPHERE
(see also subdivision under Atlantic Ocean; Balkhash, Lake; Europe)

Analysis of the characteristics of zonal circulation. N. I. Zverev. Meteor. i gidrol. no. 2:36-40 F '64.

Background of nuclear emulsions used in studying the α-radioactivity of the atmosphere. V. Pocius, J. Tomkus. Trudy AN Lit. SSR. Ser. B no. 1:29-32 '63.

Characteristics of the atmospheric circulation and weather of 1963 in the Northern Hemisphere. V. R. Dubentsov, T. F. Batiaeva, L. S. Minina. Meteor. i gidrol. no. 4:40-53 Ap '64.

Finding index numbers for standard processes of the atmospheric circulation. M. Kh. Baidal, I. P. Fadeeva. Trudy KazNIGMI no. 20:90-95 '63.

Gushchin, G. P. [Ozone and aerosynoptic conditions in the atmosphere] Ozon i aerosinopticheskie usloviia v atmosfere. Leningrad, Gidrometeoizdat, 1964. 340 p.

Planetary characteristics of seasonal large-scale processes. I. P. Fadeeva. Trudy KazNIGMI no. 20:96-99 '63.

ATMOSPHERE, UPPER

Distribution of hydrogen in the upper atmosphere and terrestrial corona. L. M. Fishkova, N. M. Martsvaladze. Astron. tsir. no. 253:1-4 Jl '63.

Fast variations in the earth's electromagnetic field, and some processes going on in the upper atmosphere. V. A. Troitskaia. Vest. AN SSSR 34 no. 1:22-25 Ja '64.

Investigating the properties of upper atmosphere by means of radio observations of meteors. B. L. Kashcheev. Meteory; sbor. st. no. 2/3:43-54 '63.

ATMOSPHERIC ELECTRICITY

Space charge of the lower atmospheric layers. N. V. Krasnogorskaia, A. A. Seredkin. Izv. AN SSSR. Ser. geofiz. no. 4:587-595 Ap '64.

ATMOSPHERIC NUCLEATION

Detection of electrons with an energy from 40 eV to 5 keV in the upper atmosphere. T. M. Muliarchik. Kosm. issl. 2 no. 2:266-271 Mr-Ap '64.

Influence of the ionization process on the initial radius of a meteor trail. IU. D. Oksiuk. Meteory; sbor. st. no. 2/3:34-36 '63.

Measurements of drifts of ionization homogeneities in the atmospheric E-layer with simultaneous determination of the polarization of reflected radiowaves. B. L. Kashcheev, V. I. Taran. Meteory; sbor. st. no. 2/3:37-42 '63.

ATMOSPHERIC PRESSURE
(see also subdivision under Soviet Central Asia)

Nonlinear boundary value problem of forecasting the atmospheric pressure field for a bounded space. V. M. Berezin. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:79-81 Mr-Ap '64.

ATMOSPHERIC PRESSURE—THERAPEUTIC USE

Pressure therapy in the compound treatment of obliterative arterial diseases of the lower extremities. N. I. Krakovskii, V. IA. Zolotarevskii. Eksper. khir. i anest. 8 no. 4:33-36 Jl-Ag '63.

ATMOSPHERIC TEMPERATURE
(see also subdivision under Northern Hemisphere; Tien Shan)

Possibilities for using gradient observations at network stations in determining the components of the heat balance of the active surface. T. A. Ogneva, A. A. Fan. Trudy GGO no. 112:142-159 '63.

Some characteristics of the diurnal variation of the air temperature and relative humidity on the territory of the U.S.S.R. I. A. Berlin, A. A. Zanina, A. IU. Egorova. Trudy GGO no. 112:176-186 '63.

Some data on systematic errors incurred in air temperature measurements. V. V. Lazovskii. Trudy GGO no. 112:160-168 '63.

ATMOSPHERIC TRANSPARENCY
(see also subdivision under Lithuania)

Use of data on direct radiation at Voeykovo in determining the characteristics of atmospheric transparency. M. P. Chizhevskaia. Trudy GGO no. 112:128-141 '63.

ATMOSPHERIC TURBULENCE see subdivision under Kazakhstan

ATOMIC BOMB—SAFETY MEASURES

TSivilev, M. P., ed. [Engineering and rescue work in the region of a nuclear explosion] Inzhenerno-spasatel'nye raboty v ochage iadernogo porazheniia. [By] I. D. Volkov i dr. Moskva, Stroiizdat, 1964. 149 p.

ATOMIC ENERGY
(see also subdivision under Brazil)

Antrusin, A. [The inexhaustible atom. Translated from the Russian] Ammendamatu aatom. Tallinn, Eesti Riiklik Kirjastus, 1963. 340 p. (Teaduse teedelt) [In Estonian]

ATOMIC ENERGY—BIBLIOGRAPHY see Bibliography—Atomic energy

ATOMIC ENERGY AND METEOROLOGY

Transfer of radioactive aerosols in the troposphere from the Northern Hemisphere to the Southern Hemisphere. IU. V. Krasnopevtsev. Meteor. i gidrol. no. 4:3-8 Ap '64.

ATOMIC POWER PLANTS

Grigor'iants, A. N. [Present-day atomic power engineering; new atomic power plants] Atomnaia energetika segodnia; novye atomnye elektrostantsii. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 7)

Kot, A. A. [Water treatment and the water system of atomic electric-power plants] Vodopodgotovka i vodnyi rezhim atomnykh elektrostantsii. Moskva, Atomizdat, 1964. 345 p.

ATOMIC SPECTRA

Role of molecular-ionic formations in the excitation of atomic spectrum lines. L. P. Bogdanova, O. P. Bochkova, S. E. Frish. Dokl. AN SSSR 156 no. 1:54-56 My '64.

ATOMIC WEAPONS—INTERNATIONAL CONTROL

Atom free zones are a vital objective. A. Samatbeev. Mezhdunar. zhizn' 11 no. 5:47-53 My '64.

The experience of Sweden; book review. A. Baltin. Nov. vrem. 21 no. 19:27-28 My '64.

The fight for peace is our main task. Louis Saillant. Vsem. prof. dvizh. no. 11:3-5 N '63.

Forward, toward unity! Louis Saillant. Vsem. prof. dvizh. no. 11:40-43 N '63.

The Moscow Treaty and the international trade-union movement. Louis Saillant. Vsem. prof. dvizh. no. 11:1-3 N '63.

To build means to live in peace. Oleg Valentinov. Vsem. prof. dvizh. no. 11:43-47 N '63.

ATOMIC WEAPONS—TESTING

The forces of peace will triumph. A. Zaikin. Part. zhizn' Kazakh. 31[i.e. 32] no. 8:62-66 Ag '62.

ATOMS

Ground state of two-electron atoms and ions. A. M. Ermolaev, G. B. Sochilin. Dokl. AN SSSR 155 no. 5:1050-1053 Ap '64.

ATREK VALLEY—AMPHIBIA

Amphibians and reptiles of the Atrek Valley. A. K. Rustamov, A. Kurbanov, O. Sopyev. Trudy Turk. sel'khoz. inst. 11 no. 2:95-107 '63.

ATREK VALLEY—REPTILES

Amphibians and reptiles of the Atrek Valley. A. K. Rustamov, A. Kurbanov, O. Sopyev. Trudy Turk. sel'khoz. inst. 11 no. 2:95-107 '63.

ATROPHY, MUSCULAR

Proximal amyotrophy in some endocrine diseases; a review of foreign literature. L. S. Soskin, A. N. Usol'tsev. Zhur. nevr. i psikh. 64 no. 3:469-474 '64.

ATTACHMENT AND GARNISHMENT see subdivision under Belgorod Province

AUDIO-VISUAL EQUIPMENT

Expanding the production of visual aids. B. Omel'ianenko. Prof.-tekh. obr. 21 no. 4:25-26 Ap '64.

What interferes with important work. M. Shumovich. Prof.-tekh. obr. 21 no. 4:26 Ap '64.

AUDITING AND INSPECTION
(see also subdivision under Belgorod Province; Bryansk Province; Dzhambul; Estonia; Grodno Province; Kazakhstan; Kishinev; Krasnodar Territory; Nikopol'; Dnepropetrovsk Province; Volgograd Province)

Claims of the head of the workshop. P. Agarev. Nar. khoz. Kazakh. 22 no. 4:74 Ap '64.

[Efficient people's control] Kontrol' deistvennyi, narodnyi. Ashkhabad, Turkmenizdat, 1963. 38 p.

The executive body of the party-state control. Part. zhizn' Kazakh. 34 no. 4:61-64 Ap '64.

A truly public control. A. Khusainov. Nar. khoz. Sred. Az. 1 no. 4:8-11 Ap '64.

Useful book. D. Moliakov. Fin. SSSR 38 no. 3:88-89 Mr '64.

AUREOMYCIN

[illegible]

[illegible]

AURORAS

[illegible]

[illegible]

AUSCULTATION

[illegible]

AUSTENITE

[illegible]

AUSTRALIA—COMMERCE

Vartanian, E. I. [Australia; [illegible] trade] Avstraliia; [illegible] Moskva, Vneshtorgizdat, 1963. [illegible] p.

AUSTRALIA—[illegible]

Vartanian, E. I. [Australia; [illegible] trade] Avstraliia; [illegible] Moskva, Vneshtorgizdat, 1963. [illegible] p.

AUSTRIA—HISTORY

[illegible]

AUSTRIA—SOCIAL CONDITIONS

[illegible]

AUSTRIA—[illegible]

[illegible]

AUTHORS see subdivision under [illegible]

AUTHORS, YAKUT

[illegible]

AUTOCLAVES

[illegible]

AUTOLYSIS

[illegible]

AUTOMATA

[illegible]

[illegible]

AUTOMATIC CONTROL
(see also subdivision under [illegible])

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Automatic control of the [illegible] artificial lengthening of its [illegible] Transp. stroi. 13 no. 11:[illegible] N '63.

AUTOMATIC CONTROL (Continued)

Automatic control of thermal processes in [illegible] with 300,000 kw. [illegible] '64.

Automatic control on ships. [illegible] Mor. flot [illegible] 43-45 [illegible]

Automatic [illegible] N.I.Kalatozishvili [illegible]

Automatic [illegible] '64.

Automating [illegible] '64.

Automating [illegible]

Automatic [illegible]

[illegible], A. V., [illegible], and V. [illegible] [Design examples of an automated electric drive] Primery raschetov avtomatizirovannogo elektroprivoda. Pod red. A. V. [illegible]. Moskva, Izd-vo "Energiia," 1964. 392 p.

[illegible], A. A. [Control and measuring instruments and automatic regulators in gas distribution stations for gas mains] Kontrol'no-izmeritel'nye pribory i avtomaticheskie reguliatory gazoraspredelitel'nykh stantsii magistral'nykh gazoprovodov. Moskva, Nedra, 1964. 79 p. (Biblioteka ekspluatatsionnika magistral'nykh gazoprovodov)

Berg, A. I. [illegible] Kibernetika [illegible] Moskva, Izd-vo "Energiia," 1964. 63 p. (Massovaia radiobiblioteka, no.537)

[illegible]

[illegible], B. A., and [illegible] [Installation and operation of gas-operated automated heating boiler rooms] Montazh i ekspluatatsiia avtomatizirovannykh otopitel'nykh kotel'nykh na gaze. Leningrad, Nedra, 1964. 85 p. (Biblioteka rabochego gazovogo khoziaistva)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Design of [illegible]

Design of [illegible]

Design of [illegible]

Determination of the [illegible]

Determining [illegible]

Dynamics of automatic control. [illegible] Teploenergetika 11 no.5:76- [illegible] My '64.

[illegible], V. M. [Multichannel control of technological processes as a means for increasing [illegible] and increasing the reliability of automatic control systems] Mnogokanal'noe regulirovanie tekhnologicheskikh protsessov [illegible] avtomaticheskikh sistem regulirovaniia. Moskva, [illegible] 1963. 35 p.

[MICROFILM]

Methods of motion for controlled mechanical systems. [illegible] no.2:235-244 Mr-Ap '64.

[illegible] the T-[illegible] tractor as an object of the regulation of the automatic driving system [with summaries in English, German, and French]. [illegible] '64.

Executive electric motors of automatically controlled systems. [illegible] Prom. energ. 19 no.4:30-32 Ap '64.

Feasibility of processing objects by several machines. [illegible] Izv. AN SSSR. Tekh. kib. no.2:24-[illegible] Mr-Ap '64.

Fel'dbaum, A. A., ed. [Theoretical principles of communication and control] Teoreticheskie osnovy sviazi i upravleniia. [By] A. A. Fel'dbaum i dr. Moskva, Fizmatgiz, 1963. 932 p.

The Fifth All-Union Conference on Automatic Control and the Methods of Electric Measurements. [illegible] Ap '64.

[illegible] converters using the principles of [illegible] '62.

[illegible] automatic control of boiler houses. [illegible] '63.

Improving the performance of the automatic control systems in [illegible] stations. A. A. [illegible] 17 no.12:21-25 D '63.

Improving the quality of [illegible] control of [illegible] [with summary in English]. [illegible] no.2:33-43 '64.

Installing [illegible] '64.

[illegible] the dynamics of the automatic control of [illegible] My-Je '64.

[illegible] automatic systems containing [illegible] Avtomatyka 9 no.2:[illegible] '64.

[illegible] '64.

[illegible], M. M., V. I. [illegible], and V. I. [illegible] [Automation of [illegible]] Avtomatiza[illegible] Baku, Izd-vo AN Azerb. SSR, 1963. 101 p.

[illegible], N. N., and V. E. [illegible] [Automatic control] Avtomatika. Moskva, Voenizdat, 1964. 400 p.

[illegible]

[illegible], V. A., and [illegible] [Automatic [illegible] in industrial furnaces operating on gas fuel] Avtomaticheskoe regulirovanie teplovogo rezhima promyshlennykh pechei, rabotaiushchikh na gazovom toplive. Leningrad, Izd-vo "Nedra," 1964. 124 p. (Biblioteka rabochego gazovogo khoziaistva)

[illegible] My-Ap '64.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Possibility of reducing the frequency of natural oscillations of an [illegible] for use as a low-frequency current generator in the automation of [illegible] machinery with an asynchronous drive. V. P. [illegible], A. N. [illegible] Izv. vys. ucheb. zav.; [illegible] 6 no.[illegible] '63.

Pneumatic controller [illegible] water supply. [illegible] '63.

Principles of the automatic control of the separation of [illegible] liquid and gas mixtures. [illegible] Trudy [illegible] no.8:63-76 '63.

A problem concerning the synthesis of controllable systems. [illegible] Dokl. AN SSSR 155 no.5:1022-1024 Ap '64.

Problem of scheduling the operation of a production line with a single automatic operator. V. S. Tanaev. [illegible] no.1:[illegible] '64.

Problems of automatic recognition of speech signals and speech control of machines. A. G. [illegible] Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:35-43 '63.

Programming of the start operations of a 300 Mw. block with a control computer. V. E. [illegible], M. N. [illegible], [illegible] Energomashinostroenie 9 no.[illegible] '63.

Radioactive level gage. L. A. [illegible] Trudy [illegible] no.[illegible] '63.

Recent studies on the theory of automatic control as discussed at a meeting of the Department of Mechanics and Control Processes. O. I. Aven. Vest. AN SSSR 34 no.2:44-46 F '64.

Recognition of speech sounds by means of self-organizing systems with two positive feedbacks [with summary in English]. H. I. [illegible] Avtomatyka 9 no.2:59-70 '64.

Redesigning the automatic system of controlling the performance of the 2D3 and 5SV compressors. H. M. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.1:150-151 '64.

Reliability of mine automatic control equipment. M. S. Rabinovich, V. A. Golubev, A. P. [illegible] Ugol' 39 no.12:41-43 D '64.

Selection of initial impulse for the continuous automatic control of thermal processes in open-hearth furnaces, concerning A. I. Chernogolov's article. A. G. [illegible] Izv. vys. ucheb. zav.; chern. met. 7 no.4:160-163 '64.

Semiautomatic device indicating the termination of the steaming and pressing process of clothing with variable moisture content. I. V. Orlov, V. P. [illegible] Leg. prom. no.4:[illegible] '63.

Simulation of information and programs in complex systems [with summary in English, p. 1095]. N. M. Amosov. Vop. filos. 17 no.12:26-[illegible] '63.

Some topological techniques in the study of linear structures. [illegible] Izv. AN SSSR. Tekh. kib. no.2:103-114 Mr-Ap '64.

Stability of the motion of a certain class of automatic control systems with variable structure. S. V. Emel'ianov, V. I. Utkin. Izv. AN SSSR. Tekh. kib. no.2:140-147 Mr-Ap '64.

Statistical methods for determining the dynamic characteristics of industrial objects. V. V. [illegible], F. A. [illegible] Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:67-74 '63.

Structural synthesis of automation operating with additional cycles [with summary in English]. P. M. [illegible], L. M. [illegible] Avtomatyka 9 no.2:[illegible] '64.

Study of the control system of a [illegible] high type boiler-turbine unit with supercritical steam parameters. V. A. [illegible], A. M. [illegible] Teploenergetika 11 no.5:8-11 My '64.

Study of the properties of coal and rock in order to develop the means of automation. A. A. Ivanov, [illegible] Izv. vys. ucheb. zav.; gor. zhur. 6 no.12:177-180 '63.

Switching conditions in complex servo systems with variable structure. [illegible] Izv. AN SSSR. Tekh. kib. no.2:[illegible] Mr-Ap '64.

Synthesis of a control system optimal in respect to time. [illegible] Izv. AN SSSR. Tekh. kib. no.2:[illegible] Mr-Ap '64.

Synthesis of linear optimal systems. [illegible] Dokl. AN SSSR 155 no.2:[illegible] Mr '64.

Technical possibilities of automatic driving of tractors [illegible] [with summaries in English, German, and French]. V. A. [illegible] Vest. sel'khoz. nauki 9 no.1:[illegible] '64.

Technological bases of programming the operations of a rotary excavator. V. P. [illegible], A. A. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.1:45-52 '64.

Television methods for automatic control of geometrical parameters of controlled systems. [illegible] Avtom. i prib. no.1:[illegible] Ja-Mr '64.

Theory of a class of discrete self-correcting systems. [illegible] Dokl. AN SSSR 155 no.5:1025-1028 Ap '64.

Theory of television transducers used in automatic control systems. A. B. Levit. Tekh. kino i telev. 7 no.12:46-52 D '63.

Thermally stabilized amplifier with a relay characteristic. A. N. [illegible], V. A. [illegible] [illegible] no.3:[illegible]-15 '64.

Transistor servo-element. V. P. [illegible], A. A. [illegible] Priborostroenie no.12:15 D '63.

Transmitter of the speed of air flow with a sensitive element, deflector, and transformer angle converter. M. A. Tyryshkin. Izv. vys. ucheb. zav.; gor. zhur. 6 no.12:181-183 '63.

Tsypkin, IA. Z. [Lectures on the theory of automatic control; elements of the theory of sampled-data control] Lektsii po teorii avtomaticheskogo regulirovaniia; elementy teorii impul'snogo regulirovaniia. Izd.3. Moskva, Vses. zaochnyi energ. in-t, 1963. 91 p.

Undercompensation, absolute invariance and overcompensation in automatic control systems [with summary in English]. O. H. Ivakhnenko, B. O. Komarov. Avtomatyka 9 no.2:46-52 '64.

Using statistical dynamics methods for calculating dynamic characteristics of the flotation process. E. A. Ivanov, S. I. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.1:154-161 '64.

[illegible], N. I., A. I. Verlinsker, and V. M. [illegible] [Automatic control] Avtomaticheskii kontrol'. Moskva, Izd-vo "Energiia," 1964. 141 p. (Biblioteka avtomatika, no.96)

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. nos. 5-6 My-Je '64. Avtorskii ukazatel' za 1963 g. Predmetnyi ukazatel' za 1963 g.

AUTOMATIC CONTROL—BOUNDARY VALUE PROBLEMS

[illegible] of optimal control problems to a [illegible]. G.N.Mil'shtein. Prikl. [illegible] no.2:375-380 Mr-Ap '64.

AUTOMATIC CONTROL—CONGRESSES

[illegible] International Congress on Automatic Control. [illegible] G.A.[illegible]. Avtom. i prib. no.1:79- Ja-Mr '64.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC PILOT (AIRPLANES)

Bokser, V.A. [Theory of automatic flight control] Teoriia avtomaticheskogo upravleniia poletom. Moskva, Izd-vo "Nauka," 1964. 698 p.

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATIC TIMERS

[illegible]. I.M.Rozenberg. Priborostroenie no.4:[illegible] Ap '64.

[illegible] controller for photocontact marking. V.I.Lit[illegible], V.P.[illegible]. Avtom. i prib. no.1:67 Ja-Mr '64.

AUTOMATION

Advanced method for work planning in the automation of chemical processes. K.K.Kirdin. Khim.prom. no.3: [illegible] Mr '64.

Algorithm of the construction of a nonlinear static model of a complex production process [with summary in English]. I.P.Kerefesner, IU.M.Chekhovii. Avtomatyka [illegible] '64.

Antomonov, IU.G. [Calculation of systems optimal in respect to response time; ship navigation along its course] Raschet sistem, optimal'nykh po bystrodeistviiu; upravlenie sudnom po kursu. Leningrad, Sudostroenie, 1964. 68 p.

Automated continuous line for the manufacture of mineral wool products. S.M.Batshev, M.G.Cherniakov. Stroi. mat. 10 no.1:23-25 Ja '64.

Automated lines for the manufacture of reinforced concrete slabs. F.A.Lapir, G.V.Kudrin, N.E.Korolev. Mekh.stroi. 21 no.5:5-7 My '64.

Automating mercury-arc rectifier aggregates with soldered rectifiers at traction substations in urban electric transportation. B.S.Finkel'shtein. Nov.tekh.zhil.-kom.khoz.:Gor.dor.-most.khoz.i transp. no.2:78-92 '63.

Automation of technological processes in the nonferrous metallurgy. G.A.Zubkov. Mekh.i avtom.proizv. 18 no.4:1-7 Ap '64.

Automation of the breaking up of fibrous raw materials in hydraulic breakers. V.M.Kanevskii. Bum.prom. no.1:21-22 Ja '64.

Automation of the calculation of the effective traffic capacity of railroads by the sections. M.S.Grishin. Vest.TSNII MPS 23 no.3:55-59 '64.

Automation of the moist thermal curing of reinforced concrete pipes. B.I.Karpukhov. Mekh.stroi. 21 no.5: 17-18 My '64.

Developing technological parameters for the automation of three-high rail and structural steel rolling mills. O.G. Mazalevskii, A.A.Rivkin. Stal' 23 no.3:238-245 Mr '64.

Donetsk. Donetskii nauchno-issledovatel'skii ugol'nyi institut. [Recommendations for the planning and carrying out of the overall mechanization and automation of Donets Basin coal mines] Rekomendatsii k proektirovaniiu i osushchestvleniiu kompleksnoi mekhanizatsii i avtomatizatsii ugol'nykh shakht Donbassa. Moskva, Gosgortekhizdat, 1963. 175 p.

Iskra, V.M. [Automation] Avtomatizatsiia. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1960. 25 p. (V pomoshch' lektoru)

[MICROFILM]

Lapir, F.A. [Equipment and means for automating the manufacture of concrete and reinforced concrete] Oborudovanie i sredstva avtomatizatsii dlia proizvodstva betona i zhelezobetona. Moskva, Izd-vo "Mashinostroenie," 1964. 232 p.

Magnetic units in automation and computer techniques; scientific and technological conference at Erevan'. F.I.Kerbnikov, IU.D.Rozental'. Vest.AN SSSR 34 no.1:107-108 Ja '64.

Mechanization and automation of production processes in the national economy of the Ukrainian S.S.R. D.I. Poliakov. Mashinostroenie no.2:3-5 Mr-Ap '64.

Overall mechanization and automation in ferrous metallurgy. K.P.Kostenetskii. Mekh.i avtom.proizv. 18 no.5:8-11 My '64.

Overall mechanization and automation in mines. L.G. Mel'kumov. Mekh.i avtom.proizv. 18 no.5:1-8 My '64.

Prospects of the automation of arc welding. N.S.L'vov, A.I.Akulov. Mekh.i avtom.proizv. 18 no.4:18-20 Ap '64.

Sazonov, A.E., and IU.M.Filippov. [Mathematical principles of the automation of ship navigation] Matematicheskie osnovy avtomatizatsii sudovozhdeniia. Moskva, Izd-vo "Transport," 1964. 175 p.

Silant'eva, N.A. [Automation and the establishment of norms for work] Avtomatizatsiia i normirovanie truda. Moskva, Izd-vo "Ekonomika," 1964. 132 p.

SM-1004 installation for automatic unloading and stacking of gypsum plaster board sheets. S.A.Kivrin. Stroi. mat. 10 no.1:27-29 Ja '64.

Some problems in the automation of production processes. E.Oganesian. Prom.Arm. 7 no.3:8-9 Mr '64.

Supply the chemical industry with modern reliable instruments and the means of automation in good time. Avtom. i prib. no.1:3-4 Ja-Mr '64.

Time has come for a revision of the standard decisions on the automation of sugar factories. G.A.Kaminskii. Sakh.prom. 37 no.12:26-29 D '63.

Training of engineers to automate the construction industry. V.P.Sergeev. Mekh.stroi. 21 no.5:27-28 My '64.

A useful book. L.Kandionskii. NTO 6 no.4:55 Ap '64.

Zevakin, L.V. [Automation and mechanization in weaving] Avtomatizatsiia i mekhanizatsiia v tkachestve. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 227 p.

[MICROFILM]

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—CONGRESSES

International meeting on the problems of automation. Jaroslav Mewald. Vsem.prof.dvizh. no.11:48-49 N '63.

AUTOMATISM

Clinical aspect and psychopathology of influenzal psychoses proceeding with the syndrome of psychic automatism. M.G.Guliamov. Trudy Dush.med.inst. 61:60-78 '63.

Clinical aspect and psychopathology of protracted and chronic alcoholic hallucinations following a course with the syndrome of psychic automatism. M.G.Guliamov. Trudy Dush.med.inst. 61:45-59 '63.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

Training specialists. Avt.transp. 42 no.4:48-49 Ap '64.

Training specialists. Avt.transp. 42 no.5:48-49 My '64.

AUTOMOBILE DRIVERS—DISEASES AND HYGIENE

Sanitary working conditions for automobile drivers. V.Skornetskii. Avt.transp. 42 no.5:6-7 My '64.

AUTOMOBILE INDUSTRY see subdivision under Moscow

AUTOMOBILE RACING

Automobile racing. Avt.transp. 42 no.4:58-59 Ap '64.

AUTOMOBILES

Gurman, V.S., and G.N.Sarkhosh'ian. [ZAZ-965 "Zaporozhets" automobile; design, operation, maintenance and repair] Avtomobil' ZAZ-965 "Zaporozhets"; ustroistvo, upravlenie, tekhnicheskoe obsluzhivanie i remont. Moskva, "Transport," 1964. 210 p.

I made an automobile. B.Avdonin. Izobr.i rats. no.3: 10 '64.

AUTOMOBILES—ENGINES

Balancing serial multicylinder automobile and tractor engines in assembling after the overhaul. V.P. Rodimov. Izv.vys.ucheb.zav.; mashinostr. no.2:98-105 '64.

AUTOMOBILES—FUEL SYSTEMS

Pokrovskii, G.P. [Use of electronic control in automobile engine fuel systems] Primenenie elektroniki v sistemakh pitaniia avtomobil'nykh dvigatelei. Moskva, Izd-vo "Mashinostroenie," 1964. 98 p.

AUTOMOBILES—LIGHTING

New incandescent lamps with iodine vapor cycle for automobile headlights. Svetotekhnika 10 no.4:30 Ap '64.

AUTOMOBILES—MAINTENANCE AND REPAIR

Khal'fan, IU.A., and V.S.Gurman. [Repair of the "Moskvich" automobile (models 407 and 403)] Remont avtomobilei "Moskvich" (modelei 407 i 403). Izd.2., ispr. i dop. Moskva, Transport, 1964. 309 p.

Nikitin, A.G. [Adjustment of "Volga" and "Chaika" automobiles] Regulirovka legkovykh avtomobilei "Volga" i "Chaika." Moskva, Transport, 1964. 94 p.

AUTOMOBILES—MODELS

No, it is not an amusement! G.Shpreregen, IU.Bekhterev. Sem'ia i shkola 19 no.1:41-42 Ja '64.

AUTOMOBILES—TRAILERS

The OdA3-869 passenger semitrailer. I.Kobylianskii. Avt.transp. 42 no.4:43-44 Ap '64.

AUTOMOBILES—WHEELS

Automobile wheels made of glass-reinforced plastics. V.S.TSybin, S.G.Vol'skii, IU.T.[illegible]. Izv.vys. ucheb.zav.; mashinostr. no.3:124-131 [illegible]

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC DRUGS

Intraosseous anesthesia using neuroplegica [with summary in English]. IU.I.Ovchinnikov, IU.N.[illegible]. Vest.[illegible] 90 no.5:105-110 My '63.

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTORADIOGRAPHY

Methods of quantitative autoradiography. [illegible], G.B.Fedorov, G.G.Riabova. Met.i metalloved.[illegible] met. no.4:207-208 '63.

AUXILIARY POLICE

"Participation of workers in the maintenance of law and order" by IU.A.Sokolov. Reviewed by A.I.[illegible]. Sov.gos.i pravo no.12:152-154 D '63.

Workers' participation in protecting law and public order. A.Ivanov, IU.Solopanov. Kommunist 41 no.8:[illegible] My '64.

AVAM VALLEY—SAMOYEDS—SOCIAL LIFE AND CUSTOMS

The "Great Day" holiday among the Nganasans of the Avam Valley. IU.B.Simchenko. Trudy Inst.etn. [illegible] 168-179 '63.

AVIATION MEDICINE

Progress in aviation and space medicine. M.A.[illegible]ker. Priroda 53 no.5:33 '64.

AXILLA—BLOOD SUPPLY

Formation of the median and ulnar nerves and the accompanying anomalies of the axillary artery [illegible] [with summary in English]. S.P.[illegible]. Arkh. anat., gist. i embr. 43 no.12:[illegible] D '62.

AZEOTROPES

Study of azeotropes formed by xylene isomers and [illegible] with methylcellosolve. IU.N.Garber, [illegible]. Zhur.prikl.khim. 37 no.4:931-937 Ap '64.

AZERBAIJAN—AGRICULTURAL PESTS

Samedov, N.G. [Fauna and biology of beetles harmful to farm crops in Azerbaijan] Fauna i biologiia zhukov, vrediashchikh sel'skokhoziaistvennym kul'turam v Azerbaidzhane. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1963. 382 p.
(DNAL)

AZERBAIJAN—ALFALFA

Effect of growth stimulants of petroleum origin on alfalfa yield. D.M.Guseinov, F.G.Ienova. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:93-99 '63.

Effect of ionizing radiation and a growth stimulant of petroleum origin on the growth and productiveness of alfalfa. F.G.Ienova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:67-74 '63.

AZERBAIJAN—BUILDING STONES—TRANSPORTATION

Transportation of building stone. I.A.Akhundov. Stroi. mat. 10 no.1:29-30 Ja '64.

AZERBAIJAN—CABBAGE—FERTILIZERS AND MANURES

Efficient methods of the application of organic fertilizers derived from petroleum by-products for the increase of cabbage yields [in Azerbaijani with summary in Russian]. K.M.Askerov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:79-84 '63.

AZERBAIJAN—CARP

Phases in the development of wild carp in the Ust'-Kurinskiy fish spawning and rearing farm. Sh.M. Bagirova. Izv. AN Azerb.SSR. Ser. biol. i med. nauk no.5:53-64 '63.

AZERBAIJAN—COCCIDIOSIS

Species of Coccidia and the spread of coccidiosis among poultry in the Kuba-Khachmas zone of the Azerbaijan S.S.R. M.A.Musaev, F.K.Alieva. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:3-11 '63.

AZERBAIJAN—COCCIDIUM

Coccidians of the wood mouse Apodemus sylvaticus L. in Azerbaijan. M.A.Musaev, A.M.Veisov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.6:3-14 '63.

AZERBAIJAN—COMMUNIST PARTY OF THE SOVIET UNION

Azerbaijan. Verkhovnyi Sovet. [Formal meeting of the Supreme Soviet of the Azerbaijan S.S.R. and the Central Committee of the CPSU of Azerbaijan, dedicated to the 40th anniversary of the Azerbaijan S.S.R. and the Azerbaijan CPSU; April 25, 1960; verbatim report] Torzhestvennoe zasedanie Verkhovnogo Soveta Azerbaidzhanskoi SSR i TSK Kompartii Azerbaidzhana, posviashchennoe 40-letiiu Azerbaidzhanskoi SSR i Kompartii Azerbaidzhana, 25 apr. 1960 g.; stenograficheskii otchet. Baku, Izd.Verkhovnogo Soveta Azerbaidzhanskoi SSR, 1960. 99 p.
(CSt-H)

AZERBAIJAN—COMMUNIST PARTY OF THE SOVIET UNION (Continued)

Baku. Institut istorii partii. [Outline history of the Communist Party of Azerbaijan] Ocherki istorii Kommunisticheskoi partii Azerbaidzhana. [Baku] Azerbaidzhanskoe gos. izd-vo, 1963. 770 p.

A general work on the history of the Communist Party of Azerbaijan. A.A.Rosliakov, Sh.I.Chivadze. Vop.ist. KPSS 8 no.4:113-118 Ap '64.

AZERBAIJAN—DELHI BOIL

Results of 12-year control of cutaneous leishmaniasis in an epidemic focus. I.M.Ismail-Zade, K.M.Gusein-Zade, K.A.Mamedov. Vest.derm.i ven. 37 no.4:61-64 Ap '63.

AZERBAIJAN—DESCRIPTION

Dashevskii, IU. [The land of lights] Zemlia ognei. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 126 p.

AZERBAIJAN—ECONOMIC CONDITIONS

In a common line to a common goal. V.Akhundov. Kommunist 41 no.8:11-19 My '64.

AZERBAIJAN—EROSION

Growth of forest plantations of various compositions in the mountain areas of the southern slope of the Greater Caucasus and their antierosion significance [in Azerbaijani with summary in Russian]. M.IU.Khalilov. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.2:101-109 '63.

AZERBAIJAN—FOREST ECOLOGY

Moss flora of the Nukha-Zakataly forest area of Azerbaijan. L.B.Liubarskaia. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.2:21-26 '63.

AZERBAIJAN—GAS, NATURAL—GEOLOGY

Prospects for finding gas and oil in the Samur regions of Daghestan and Azerbaijan. A.G.Aliev and others. Geol.nefti i gaza 8 no.1:29-33 Ja '64.

AZERBAIJAN—HAEMONCHUS

Distribution of haemonchosis agents in the ruminants of Azerbaijan [in Azerbaijani with summary in Russian]. S.M.Asadov, A.N.Guseinov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.5:35-41 '63.

AZERBAIJAN—HISTORY

Akhundov, V.IU. [150 years since Azerbaijan's becoming part of Russia; a report to the activist group meeting on March 13, 1964] 150 let vkhozhdeniia Azerbaidzhana v sostav Rossii; doklad na sobranii aktiva 13 marta 1964 goda. Baku, Azerneshr, 1964. 69 p.

AZERBAIJAN—ICHNEUMON FLIES

Ichneumon flies (Ichneumonidae) in the Kuba-Khachmas zone of Azerbaijan. A.A.Abdinbekova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.5:43-51 '63.

AZERBAIJAN—LAND TENURE

The "bahre" in the 18th and 19th centuries. Ali Husain-Zade. Nar.Az.i Afr. no.3:82-85 '64.

AZERBAIJAN—LICHENS

Lichens of the family Stictaceae in Azerbaijan. Sh.O. Barkhalov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:9-14 '63.

AZERBAIJAN—LUBRICATION AND LUBRICANTS

Improving the sulfur-acid purification of diesel-oil raffinate. Ch.M.Dzhuvarly and others. Azerb.neft.khoz. 43 no.4:36-39 Ap '64.

AZERBAIJAN—MOSSES

Moss flora of the Nukha-Zakataly forest area of Azerbaijan. L.B.Liubarskaia. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.2:21-26 '63.

AZERBAIJAN—NATURAL RESOURCES

Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. [Natural resources of Azerbaijan] Prirodnye bogatstva Azerbaidzhanskoi SSR. Baku, Azerneshr, 1960. 27 p.

[MICROFILM]

AZERBAIJAN—OIL WELLS—EQUIPMENT AND SUPPLIES

Recent developments in the overhauling of wells. S.A. Mirsalaev. Nefteprom.delo no.3:10-12 '64.

AZERBAIJAN—PARASITES—HERODIONES

Helminths (Nematoda, Cestoda, Acanthocephala) of birds of the order Herodiones from the plain regions of Azerbaijan. N.A.Feizullaev. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.2:61-68 '63.

AZERBAIJAN—PARASITES—MICE

Coccidians of the wood mouse apodemus sylvaticus L. in Azerbaijan. M.A.Musaev, A.M.Veisov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:3-14 '63.

AZERBAIJAN—PARASITES—RUMINANTIA

Distribution of haemonchosis agents in the ruminants of Azerbaijan [in Azerbaijani with summary in Russian]. S.M.Asadov, A.N.Guseinov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.5:35-41 '63.

AZERBAIJAN—PETROLEUM CHEMICALS

Riumin, G.M. [Technical progress and the economics of petroleum refining and petroleum chemistry in Azerbaijan] Tekhnicheskii progress i ekonomika neftepererabotki i neftekhimii Azerbaidzhana. Baku, Azerneshr, 1963. 38 p.

AZERBAIJAN—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the Samur regions of Daghestan and Azerbaijan. A.G.Aliev and others. Geol.nefti i gaza 8 no.1:29-33 Ja '64.

Prospects for finding oil and gas in the Azerbaijan part of the Kura Iori interfluve. S.A.Astvatsaturov. Geol. nefti i gaza 8 no.1:45-48 Ja '64.

Stratigraphy and the prospects for finding gas and oil in the Upper Cretaceous sediments of the Karabudakhkend area. R.A.Khalafova, F.G.Sharafutdinov, Z.V.Kuznetsova. Azerb.neft.khoz. 43 no.4:4-7 Ap '64.

Tectonics of the Paleogene-Mesozoic sediments of the Kirovabad oil- and gas-bearing region in the light of geophysical data. I.O.TSimel'zon. Geol.nefti i gaza 8 no.1:53-57 Ja '64.

AZERBAIJAN—PETROLEUM REFINING

Improving the sulfur-acid purification of diesel-oil raffinate. Ch.M.Dzhuvarly and others. Azerb.neft.khoz. 43 no.4:36-39 Ap '64.

Riumin, G.M. [Technical progress and the economics of petroleum refining and petroleum chemistry in Azerbaijan] Tekhnicheskii progress i ekonomika neftepererabotki i neftekhimii Azerbaidzhana. Baku, Azerneshr, 1963. 38 p.

AZERBAIJAN—POLITICS AND GOVERNMENT

Azerbaijan. Verkhovnyi Sovet. [Formal meeting of the Supreme Soviet of the Azerbaijan S.S.R. and the Central Committee of the CPSU of Azerbaijan, dedicated to the 40th anniversary of the Azerbaijan S.S.R. and the Azerbaijan CPSU, April 25, 1960; verbatim report] Torzhestvennoe zasedanie Verkhovnogo Soveta Azerbaidzhanskoi SSR i TSK Kompartii Azerbaidzhana, posviashchennoe 40-letiiu Azerbaidzhanskoi SSR i Kompartii Azerbaidzhana, 25 apr. 1960 g.; stenograficheskii otchet. Baku, Izd.Verkhovnogo Soveta Azerbaidzhanskoi SSR, 1960. 99 p.
(CSt-H)

AZERBAIJAN—POULTRY—DISEASES AND PESTS

Species of Coccidia and the spread of coccidiosis among poultry in the Kuba-Khachmas zone of the Azerbaijan S.S.R. M.A.Musaev, F.K.Alieva. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:3-11 '63.

AZERBAIJAN—RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Use of radioisotopes and nuclear radiations in the Azerbaijan S.S.R. A.M.Mamedov. Atom.energ. 16 no.5: 468-469 My '64.

AZERBAIJAN—REFORESTATION

Growth of forest plantations of various compositions in the mountain areas of the southern slope of the Greater Caucasus and their antierosion significance [in Azerbaijani with summary in Russian]. M.IU.Khalilov. Izv AN Azerb.SSR.Ser.biol.i med.nauk no.2:101-109 '63.

AZERBAIJAN—REVOLUTION, 1917-1921

In a common line to a common goal. V.Akhundov. Kommunist 41 no.8:11-19 My '64.

AZERBAIJAN—SHEEP—ANATOMY

Morphological characteristics of the ovaries of newborn lambs of the Azerbaijanian Mountain Merino, Bozakh sheep and their hybrids. G.K.Kuliev. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1:43-48 '63.

AZERBAIJAN—SHEEP—DISEASES AND PESTS

Change in the protein fractions of the blood serum of sheep in experimental infectious polyarthritis. I.A.Farzaliev, IA.IU.Babaev. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.5:107-114 '63.

AZERBAIJAN—SOIL CHEMISTRY

Effect of hydrothermal conditions on the physical and chemical properties of soils. S.A.Aliev. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:61-66 '63.

AZERBAIJAN—SOIL MOISTURE

Effect of hydrothermal conditons on the physical and chemical properties of soils. S.A.Aliev. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:61-66 '63.

AZERBAIJAN—SOILS—CARBON CONTENT

Characteristics of the ratio C:N in Brown, Chestnut mountain-forest soils and mountain Chernozems of the Lesser Caucasus [in Azerbaijani with summary in Russian]. N.N.Gasymova. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.12:75-79 '61.

AZERBAIJAN—SOILS—NITROGEN CONTENT

Characteristics of the ratio C:N in Brown, Chestnut mountain-forest soils and mountain Chernozems of the Lesser Caucasus [in Azerbaijani with summary in Russian]. N.N.Gasymova. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.12:75-79 '61.

AZERBAIJAN—VOCATIONAL EDUCATION

Let's improve the training level of worker cadres. A.Krest'ianinov, N.Solov'ev. Prof.-tekh.obr. 21 no.4:4-6 Ap '64.

AZERBAIJAN—WATER RIGHTS

The "bahre" in the 18th and 19th centuries. Ali Husain-Zade. Nar.Az.i Afr. no.3:82-85 '64.

AZERBAIJAN—WHEAT

Duration of the stage of tillering and stalk formation in hard wheat samples of various geographical origins in Azerbaijan. I.D.Mustafaev, V.V.Emel'ianova. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:25-31 '63.

AZERBAIJAN—WOODRUFF

Some data on the comparative anatomy of three species of woodruff (Asperula) growing under different ecological conditions. A.M.Gasanov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.1:16-23 '63.

AZERBAIJAN—WORMS, INTESTINAL AND PARASITIC

Helminths (Nematoda, Cestoda, Acanthocephala) of birds of the order Herodiones from the plain regions of Azerbaijan. N.A.Feizullaev. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.2:61-68 '63.

AZERBAIJANI LITERATURE—BIBLIOGRAPHY see Bibliography—Azerbaijani literature

AZO COMPOUNDS

Analytical application of bisazoderivatives of chromotropic acid [with summary in English]. S.B.Savvin, IU.M.Dedkov. Zhur.anal.khim. 19 no.1:21-27 '64.

AZOBENZENE

Activity of enzymes in the rat liver in cancerogenesis induced by dimethylaminoazobenzene and following administration of the food dye amaranth. B.L.Rubenchik. Vop.pit. 21 no.5:53-57 S-O '62.

AZOV, SEA OF—MARINE SEDIMENTS

Distribution and composition of spores and pollens in the surface layer of sediments in the Azov Sea. D.G.Panov, V.A.Vronskii, A.N.Aleksandrov. Dokl.AN SSSR 155 no.4:818-821 Ap '64.

AZOV, SEA OF—OCEANOGRAPHY

Characteristics of the level regime of the Sea of Azov. L.N.Kropachev. Sbor.rab.GMO CHAM no.1:34-52 '62.

Elements of the water budget of the Sea of Azov. G.V. Matushevskii. Sbor.rab.GMO CHAM no.1:19-33 '62.

Some results of the study of the hydrological regime of the Sea of Azov. A.A.Aksenov, L.P.Rozhkov. Sbor.rab. GMO CHAM no.1:5-12 '62.

Studying the water exchange through the Tonkiy Strait. E.A.Semenova. Sbor.rab.GMO CHAM no.1:53-63 '62.

AZOV, SEA OF—PALYNOLOGY

Distribution and composition of spores and pollens in the surface layer of sediments in the Azov Sea. D.G.Panov, V.A.Vronskii, A.N.Aleksandrov. Dokl.AN SSSR 155 no.4:818-821 Ap '64.

AZOV, SEA OF—PLANKTON

Some biochemical aspects of a comparative studying of the plankton of the Sea of Azov and the Black and Caspian Seas. Z.A.Vinogradova. Okeanologiia 4 no.2: 232-242 '64.

AZOV, SEA OF—SALINITY

Salinity regime of the Sea of Azov. G.I.Baryshevskaia, N.V.Deriglazova. Sbor.rab.GMO CHAM no.1:13-18 '62.

AZOV, SEA OF—SEAWATER

Representativeness of observations on the temperature and density of the water at the stations of the Sea of Azov. O.I.Shaitan. Sbor.rab.GMO CHAM no.1:64-66 '62.

AZOV DISTRICT—TRADE UNIONS

The neighbor's land is not a foreign land. IU.Popov. Sov.profsoiuzy 20 no.8:11-12 Ap '64.

AZOV SEA REGION—PALEOBOTANY

Data on the flora and vegetation of the Cimmerian age in the northern Azov region [with summary in English]. N.O.Shchekina. Ukr.bot.zhur. 21 no.2:61-69 '64.

BABKENT DISTRICT—FARM MECHANIZATION

The bold subdue the virgin land. F.Kurbanov. Part. zhizn' [Uzb.] 7 no.4:80-81 Ap '64.

BACH, AINO, 1901-

Tallinn. Eesti NSV Riiklik Kunstimuuseum. Aino Bach. Tallinn, 1961. 86 p. illus. [In Estonian and Russian]
(MH)

BACILLUS SUBTILIS

Study of mutants with oxidation deficiency in Bacillus subtilis. G.F.Gauze, G.V.Kochetkova, M.V.Bibikova. Dokl.AN SSSR 155 no.5:1184-1187 Ap '64.

BACTERIA

Amino acid decarboxylases in bacteria. IU. V. Galaev, Ukr. biokhim. zhur. 35 no. 5:776-800 '63.

Genetic activity of the chemical components of the bacterial cell. P. I. Vizir. Mikrobiol. zhur. 25 no. 1:52-62 '63.

BACTERIA, AEROBIC

Bacterial characteristics of the atmosphere in Novosibirsk. A. I. Sidorenko. Okhr. prir. Sib. i Dal'. Vost. no. 1:146-153 '62.

BACTERIA, NITRIFYING

Effect of plants on the development of nitrifying bacteria in the zones of their root systems. E. D. Novogrudskaia. Agrobiologiia no. 5:720-724 S-O '63.

BACTERIA, PHYTOPATHOGENIC
(see also subdivision under Caucasus, Northern)

Measures for protecting cucumbers from Sclerotina libertiana and bacteriosis in greenhouses and hotbeds. M. A. Darozhkin, A. A. Sapahova. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1:66-68 '64.

BACTERIA, SILICATE

Liquid silicate bacteria preparation for winter barley [with summary in English]. V. H. Aleksandrov, M. I. Ternovs'ka. Mikrobiol. zhur. 25 no. 1:8-10 '63.

BACTERIA, SULFUR see subdivision under Karakum

BACTERIOLOGY

Symposium on Bacterial Transformation and Bacteriocins. T. D. Dekhtiarenko. Vest. AN SSSR 34 no. 1:80-90 Ja '64.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Change in the amino acid composition of total protein in Bacillus subtilis T⁻ grown on a medium with 5-bromouracyl, an analogue of thymine. A. S. Antonov, N. Liutakanov, A. N. Belozerskii. Dokl. AN SSSR 155 no. 4: 944-946 Ap '64.

Comparative characteristics of the growth of Corynebacterium diphtheriae on coagulated serum and tellurite-cystine medium; author's abstract. M. A. Bessonova, A. F. Privalov. Zhur. mikrobiol., epid. i immun. 40 no. 4:54 Ap '63.

Determining the reaction of culture media by the apparatus of N. I. Aliamovskii. V. M. D'iachenko. Lab. delo 8 no. 7:46-47 Jl '62.

Increase in the antibiotic activity of micro-organisms under the effect of the culture medium. M. S. Shkliar, L. A. Khalimova. Agrobiologiia no. 5:680-683 S-O '63.

Inequality of accumulation media for various types of Salmonella [with summary in English]. M. A. Kheifets, V. S. Zakordonets. Zhur. mikrobiol., epid. i immun. 40 no. 4:107-113 Ap '63.

Use of different culture media for determining the phage titer growth reaction. V. E. Shneiderman. Lab. delo 8 no. 8:22-26 S '62.

Use of tissue culture in diphtheria diagnosis; annotation. Z. I. Galunina, L. M. Sheftel'. Zhur. mikrobiol., epid. i immun. 40 no. 4:54-55 Ap '63.

BACTERIOLOGY—TECHNIQUE

Determining the frequency of bacillary discharges in "closed" forms of pulmonary tuberculosis by the method of microcultures. B. S. Geller, M. A. Il'iashenko. Lab. delo 8 no. 9:20-22 S '62.

A new method for taking material for detecting carriors of diphtheria bacteria. L. I. Kartushina and others. Lab. delo 8 no. 7:44-46 Jl '62.

BACTERIOLOGY, AGRICULTURAL see Agricultural microbiology

BACTERIOLYSIS

Methodology for the study of bacterial lysogenesis. A. P. Pekhov, N. I. Rybakov, B. A. Mishchenko. Lab. delo 9 no. 4:3-7 Ap '63.

BACTERIOPHAGE

Biological characteristics of plague bacteriophages [with summary in English]. F. I. Ershov, Z. A. Bykova. Zhur. mikrobiol., epid. i immun. 40 no. 4:131-136 Ap '63.

Clinical evaluation of the phage titer growth reaction as a method of laboratory diagnosis of acute dysentery [with summary in English]. P. I. Kambaratov. Zhur. mikrobiol., epid. i immun. 40 no. 4:113-117 Ap '63.

Diagnostic value of the bacteriophage titer rise reaction in bacterial dysentery in children [with summary in English]. V. S. Kosarev. Vop. okh. mat. i det. 7 no. 6: 13-16 Je '62.

Interesting work on bacteriophagy. B. I. Klein. Mikrobiol. zhur. 25 no. 1:63-64 '63.

Molecular organization of the caudal sheath of phage T_2. N. A. Kiselev, B. F. Poglazov. Dokl. AN SSSR 155 no. 2:442-444 Mr '64.

Preparation and characteristics of high-polymer deoxyribonucleic acids from bacteriophages [with summary in English]. T. I. Tikhonenko. Biokhimiia 27 no. 6: 1015-1022 N-D '62.

Protective effect of acridine orange in ultraviolet irradiation of the infectious DNA of 1 φ -7 bacteriophage. G. B. Zavil'gel'skii and others. Dokl. AN SSSR 155 no. 4: 937-939 Ap '64.

RNA-polymerase in Escherichia coli B cells infected with T2 phage [with summary in English]. R. B. Khesin and others. Biokhimiia 27 no. 6:1092-1105 N-D '62.

Tuberculosis bacteriophage; a review. B. N. Kos'min-Sokolov. Zhur. mikrobiol., epid. i immun. 40 no. 4: 35-38 Ap '63.

Use of different culture media for determining the phage titer growth reaction. V. E. Shneiderman. Lab. delo 8 no. 8;22-26 S '62.

BAIKAL, LAKE—DIATOMS

State of Melosira baicalensis (K. Meyer) Wisl. sinking to the deep strata of Lake Baikal. K. K. Votintsev, G. I. Popovskaia. Dokl. AN SSSR 155 no. 3:673-676 Mr '64.

BAIKAL, LAKE—FISHES—FOOD

Food supply for pelagic commercial fishes of Lake Baikal. M. M. Kozhov. Vop. ikht. 4 no. 1:125-135 '64.

BAIKAL, LAKE—LIMNOLOGICAL RESEARCH

Comprehensive synchronous limnological studies of Baikal waters. E. L. Afanas'eva and others. Izv. AN SSSR Ser. geog. no. 2:120-125 Mr-Ap '64.

BAIKAL LAKE REGION—CATAPLEIITE

Calcium catapleiite, a new variety of catapleiite. A. M. Portnov. Dokl. AN SSSR 154 no. 3:607-609 Ja '64.

BAIKAL LAKE REGION—MOLLUSKS, FOSSIL

Find of marine mollusks in the Tertiary sediments of the Lake Baikal region. R. L. Merklin. Izv. AN SSSR. Ser. geol. 29 no. 4:89-90 Ap '64.

BAIKAL LAKE REGION—PERRIERITE

Strontium perrierite in the northern part of the Lake Baikal region. A. M. Portnov. Dokl. AN SSSR 156 no. 3:579-581 '64.

BAIKAL LAKE REGION—SIBERIAN ELM—DISEASES AND PESTS

Injury of the Siberia elm by Rhynchaenus sp. (Coleoptera, Curculionidae) in the Baikal Lake region. A. A. Tomilin, V. N. Tomilova. Nauch. dokl. vys. shkoly. biol. nauki no. 2:29-32 '64.

BAIKAL LAKE REGION—WEEVILS

Injury of the Siberia elm by Rhynchaenus sp. (Coleoptera, Curculionidae) in the Baikal Lake region. A. A. Tomilin, V. N. Tomilova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:29-32 '64.

BAKERIES
(see also subdivision under Frunze; Odessa; Volyn' Province; Yershov, Saratov Province)

Bakeries should be concentrated under the jurisdiction of one State organization. V. F. Koniukhov. Khleb. i kond. prom. 8 no. 4:17-19 Ap '64.

Information. Khleb. i kond. prom. 8 no. 4:16-17 Ap '64.

Problems of the improvement of bread delivery to the retail trade. L. A. Samatov. Khleb. i kond. prom. 8 no. 4:11-15 Ap '64.

BAKERIES—EQUIPMENT AND SUPPLIES

Attachment to the roller bag lifter. P. Zakota. Khleb. i kond. prom. 8 no. 3:31 Mr '64.

Mechanization of the distribution of dough pieces into molds. P. A. Striukov. Khleb. i kond. prom. 8 no. 4; 24-25 Ap '64.

Unit for the preparation of oil-water emulsions. L. Frolova. Khleb. i kond. prom. 8 no. 3:32 Mr '64.

BAKERIES—TECHNOLOGICAL INNOVATIONS see subdivision under Leningrad

BAKU—GIFT SHOPS

"Sovil'." S. Aslanbekova. Sov. torg. 37 no. 3:35 Mr '64.

BAKU—HISTORICAL MUSEUMS

Akademiia nauk Azerbaidzhanskoi SSR, Baku. [Azerbaijan tarikhi muzeii. Museum of History of Azerbaijan. Baky, Azerbaichan SSR elmler akad. neshriiiaty, 1964. 64 p. illus. [In 6 languages]

BAKU—MEAT INDUSTRY

Thirtieth anniversary of the Meat Combine in Baku. Mias. ind. SSSR 34 no. 6:22 '63.

BAKU—PETROLEUM INDUSTRY—BY-PRODUCTS

The fields and the farms are our laboratories. B. Babafarov. Sov. profsoiuzy 20 no. 8:8-10 Ap '64.

BAKULEV, ALEKSANDR NIKOLAEVICH, 1890- —BIBLIOGRAPHY see Bibliography—Bakulev, Aleksandr Nikolaevich, 1890-

BALAKHNA (GORKIY PROVINCE)—PAPER INDUSTRY

Expansion of the Balakhna Combine. B. M. Tovbin. Bum. prom. no. 4:8-10 Ap '64.

BALANCE OF PAYMENTS
([illegible])

[illegible]

BALANCING OF MACHINERY

[illegible]

[illegible]

[illegible]

BALKHASH BASIN—[illegible]

[illegible]

BALKHASH (KAZAKHSTAN)—[illegible]

[illegible]

BALKHASH, LAKE—[illegible]

[illegible]

BALKHASH, LAKE—[illegible]

[illegible]

BALKHASH, LAKE—[illegible]

[illegible]

BALKHASH, LAKE—[illegible]

[illegible]

BALKHASH, LAKE [illegible]

[illegible]

BALKHASH REGION—[illegible]

[illegible]

BALL BEARINGS

[illegible]

BALLAD, TATAR

Nadirov, I. N. [illegible]

BALLAST [illegible]

[illegible]

BALLET see subdivision under Leningrad

BALLISTOCARDIOGRAPHY

[illegible]

BALLOON ASCENSIONS—BIBLIOGRAPHY see Bibliography—Balloon ascensions

BALTIC SEA REGION—[illegible]

[illegible]

BALTIC SEA REGION—ECONOMIC GEOGRAPHY—CONGRESSES

Conference of [illegible]

BALTIC SEA REGION—ELECTRIC POWER PLANTS

[illegible]

BALTIC SEA REGION—ENDOCERATIDAE
Structure and color of the shell of some Ordovician endoceratoids in the Baltic region. Z.G.Balashov. Vop.paleont. 4:[illegible] '64.

BALTIC SEA REGION—GEOLOGY, STRATIGRAPHIC
Geographic [illegible] of the Baltic [illegible] [illegible] Mr-Ap '64.

BALTIC SEA REGION—OIL SHALES
[illegible] '64.

BALTIC SEA REGION—PALEOGEOGRAPHY
[illegible] '64.

BALTIC SEA REGION—RIVERS
[illegible] '64.

BALTIC SEA REGION—SOIL [illegible]
[illegible] Baltic region. [illegible] '64.

BALTIC SHIELD—GEOLOGY, STRATIGRAPHIC
[illegible]

BALTIC STATES—DISEASES OF [illegible]
[illegible]

BALTIC STATES—[illegible]
[illegible] publications [illegible] 1958 [illegible] Latvian SSR [illegible] Riga [illegible]

BALTIC STATES—[illegible]
[illegible] publications [illegible] 1958 [illegible] Latvian SSR [illegible] Riga [illegible]

BANANA [illegible]
[illegible]

BANK DEPOSITS
Dolgov, P. I. [Savings deposits in credit institutions] Vklady grazhdan v kreditnykh uchrezhdeniiakh. Moskva, Izd-vo "Finansy", 1964. [illegible] p.

BANKS AND BANKING
(See also subdivision under Armenia, Bashkiria, Belgorod Province, [illegible], [illegible] Province, Moscow Province, [illegible] District, [illegible], [illegible], [illegible] Province)
Bank and the [illegible]. [illegible] Den.i kred. 22 no.[illegible] '64.
Bank [illegible] Den.i kred. 22 no.[illegible] '64.
[illegible] Den.i kred. 22 no.[illegible] '64.
[illegible] Den.i kred. 22 no.[illegible] Ag '64.
The [illegible] Den.i kred. 22 no.[illegible] Ag '64.
[illegible] Den.i kred. 22 no.[illegible] Ag '64.
Improve bank's operational work standards. Den.i kred. 22 no.[illegible] Mr '64.
In the Board of Directors of the State Bank of the U.S.S.R. Den.i kred. 22 no.[illegible] Mr '64.
In the Board of Directors of the State Bank of the U.S.S.R. Den.i kred. 22 no.[illegible] Ap '64.
In the Board of Directors of the State Bank of the U.S.S.R. and the Presidium of the Central Committee of the Government Employees Trade Union. Den.i kred. 22 no.[illegible] Ap '64.
Take an active part in aiding agricultural intensification. [illegible] Den.i kred. 22 no.[illegible] Mr '64.

BANKS AND BANKING—ACCOUNTING see subdivision under Gosbank

BANKS AND BANKING, INTERNATIONAL
[illegible] of the international commercial bank [illegible] Den.i kred. 22 no.[illegible] '64.

BANTU LANGUAGES—CLASSIFICATION
Problems of Bantu studies in the new linguistic [illegible] of the British African states. A.A.Zhukov. Nar.Azii i Afr. no.5:110-119 '63.

[illegible] see subdivision under [illegible] District

BARABA STEPPE—CONSERVATION OF NATURAL RESOURCES
[illegible]

BARANOV, PAVEL ALEKSANDROVICH, 1892-1962
[illegible]

BARANSKII, NIKOLAI NIKOLAEVICH, 1881-1963
[illegible] '64.

[illegible] see also subdivision under Apsheron Peninsula

[illegible]
[illegible]

[illegible]—SALMON
[illegible]

BARGUZIN STATE PRESERVE
[illegible]

BARIUM—ANALYSIS
[illegible]

BARIUM SALTS
[illegible] salts of selenylic, germylic, arsinylic, and [illegible] acids. [illegible] and others. [illegible] no.[illegible] '64.

BARIUM TITANATE CRYSTALS—ELECTRIC PROPERTIES
[illegible] of barium titanate single crystals [illegible] at high temperatures. [illegible] Izv. AN SSSR. Ser. fiz. 28 no.[illegible] Ap '64.

BARIUM TITANATE CRYSTALS—THERMAL PROPERTIES
Effect of [illegible] on the properties of barium titanate. [illegible] Ap '64.

BARIUM TITANATES
Frequency dependence of the [illegible] of 90° domain walls in barium titanate. [illegible] Izv. AN SSSR. Ser. fiz. 28 no.4:[illegible] Ap '64.

BARIUM TITANATES—SPECTRA
Temperature studies of the dielectric dispersion of polycrystalline $BaTiO_3$ and in TiO_2 within a wide spectral range. [illegible] Izv. AN SSSR. Ser. fiz. 28 no.4:[illegible] Ap '64.

BARLEY
(See also subdivision under Ukraine)
Biosynthesis of phytol in the dark by green barley plants [with summary in English]. A.A.Shlyk, [illegible] Biokhimiia 29 no.4:[illegible] '64.
Correlation in the structure of barley flowers. T.I. [illegible] Ukr.bot.zhur. 20 no.5: [illegible] '63.
Nature of the fluorescence of the growing cone of winter barley [with summaries in English, German, and French]. T.S.M.Khoshov. Vest.sel'khoz.nauki 8 no.12:126-128 D '63.

BAROMETRIC HYPSOMETRY
Efficient methods for gravity surveying on a 1:200,000 scale employing a helicopter and using barometric leveling under the conditions of the northeast of the U.S.S.R. V.S.Kiselev, G.M.Kostin and A.V.Ilalov. Sbor.inst. razv.geofiz. (4):[illegible] '64.

BARRELS—CORROSION
Metal welded barrels with an inner gasolineproof coating. M.V.Lykov. Transp.i khran.nefti i nefteprod. no.6: 20-21 '64.

BARYONS—ELECTROMAGNETIC PROPERTIES
Kapuscik, E., and E.Obryk. [Electromagnetic properties of baryons in a unitary symmetry model] Ob elektromagnitnykh svoistvakh barionov v modeli unitarnoi simmetrii. Dubna, Ob"edinennyi inst.iadernykh issl., 1964. 7 p.

BASAL METABOLISM
Comparative data on the basal metabolism and vacat oxygen in lung diseases at the sea health resort Gagra and moderate altitude health resort Tsemi. G.A.Bakhutashvili, M.N.Dgebuadze, L.P.Datikhia. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:[illegible] '64.
Dynamics of the basal metabolism in hypertension patients during their treatment at the Sukhumi health resort. G.A.Bakhutashvili. Sbor.trud.Gos.nauch.-issl.inst. kur.i fizioter. 26:[illegible] '64.

BASHKIRIA—AUTOMATIC CONTROL
Results of the complete automatic control of the [illegible] unit of the [illegible] Petroleum Refinery. [illegible] Trudy [illegible] no.[illegible]

BASHKIRIA—BANKS AND BANKING
Bank's role in developing large-scale chemistry and increasing the production of goods. A.[illegible] Den.i kred. 22 no.4:[illegible] Ap '64.

BASHKIRIA—CHEMICAL INDUSTRIES—FINANCE
Bank's role in developing large-scale chemistry and increasing the production of goods. A.[illegible] Den.i kred. 22 no.4:[illegible] Ap '64.

BASHKIRIA—CLAY
Properties of the clays of the Devonian [illegible] in the Tatar A.S.S.R. and Bashkiria. [illegible] no.[illegible] '63.

BASHKIRIA—FARM PRODUCE—TRANSPORTATION
[illegible] for the transportation of agricultural goods [illegible] '64.

BASHKIRIA—GAS, NATURAL—GEOLOGY
[illegible] gas potential of the [illegible] in the [illegible] of Bashkiria. [illegible] no.[illegible] '64.

BASHKIRIA—GAS, NATURAL—SEPARATION
[illegible] no.[illegible] '64.

BASHKIRIA—GEOLOGY, STRATIGRAPHIC
Conditions governing the sedimentation in the terrigenous Devonian formations in the Bashkirian arch and in its [illegible] sections in the Bashkirian A.S.S.R. [illegible] Neftegaz.geol.i geofiz. no.5: [illegible] '64.

BASHKIRIA—HYDROCARBON OILS
Investigating a kerosene-gas oil fraction from Arlan crude. G.V.Sevast'ianova, E.G.Ivchenko. Trudy BashNII NP no.6:[illegible] '63.

BASHKIRIA—KEROSENE
Investigating a kerosene-gas oil fraction from Arlan crude. G.V.Sevast'ianova, E.G.Ivchenko. Trudy BashNII NP no.6:[illegible] '63.

BASHKIRIA—OIL FIELD FLOODING
The practicability of pattern flooding of the oil pools of the lower Bashkir horizon of the Zhirnovsk and Bakhmet'evsk fields. I.N.[illegible], V.A.Kharlamov, I.A. [illegible] Trudy VNIIRO no.[illegible] '63.

BASHKIRIA—OIL SANDS—ANALYSIS
Employing luminescent analysis of lateral samples to evaluate the oil potential of reservoir rocks in western Bashkiria. V.V.[illegible], A.Sh.Galiavtdin. Geol. nefti i gaza 8 no.[illegible] Ja '64.

BASHKIRIA—PETROLEUM—ANALYSIS
Thermal stability of sulfur-bearing crude from Bashkiria. E.G.Ivchenko, G.V.Sevast'ianova. Trudy BashNII NP no.6:[illegible] '63.

BASHKIRIA—PETROLEUM GEOLOGY

[illegible] for finding oil and gas in the Kinzebulat structure. [illegible] Neftegaz.geol.i geofiz. [illegible]

BASHKIRIA—PETROLEUM REFINING

[illegible] capacity of the petroleum refineries [illegible] A.M.Zenkovskii and others. Trudy BashNII NP no.6:267-271 '63.

BASHKIRIA—PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

[illegible] by the Bashkirian Scientific Research Institute for Petroleum Refining as shown at various [illegible]. S.A.Berman. Trudy BashNII NP no.6:[illegible] '63.

[illegible] pressure vacuum and thermal cracking [illegible] V.S.Aliev and others. Trudy BashNII NP no.6:271-275 '63.

[illegible] of the combined automatic control of the AGFU-1 [illegible] Novo-Ufimskiy Petroleum Refinery. IU.A. [illegible], E.IA.S[illegible]. Trudy KF VNII no.8:80-87 [illegible]

BASHKIRIA—PHYSICAL EDUCATION AND TRAINING

Prospects for the further development of physical education. A.Iuliev, G.Mymrin. Teor.i prak.fiz.kul't [illegible] no.9:51-56 S '63.

BAST

Studying the relative rate of drying of large-stemmed bast fiber materials. N.D.Khomutskii. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:32-38 '64.

BATHOLITHS see subdivision under Megri District; Ordubad District

BATHS, MEDICATED
(see also subdivision under Sochi)

Expediency of balneological treatment of stenocardia in patients with atherosclerosis. N.I.Speranskii, E.I. [illegible]. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3: [illegible]-204 My-Je '63.

Penetration of methane into the human skin in balneological procedures. E.V.Iosifova. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:259-263 My-Je '63.

BATHS, SEA
(see also subdivision under Gagra, Georgia)

Reaction of the cardiovascular system to solar irradiation and sea bathing and their importance in climatotherapy. B.V.Nikol'skii. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:234-237 My-Je '63.

BATYREVO DISTRICT—COLLECTIVE FARMS—MANAGEMENT

The practice of leaders is a sure path for improving the [illegible]. A.Khusov, V.Borisov. Ekon.sel'khoz. 35 no.3:54-59 Mr '64.

BAUXITE see subdivision under Ural Mountains

BAVLY OIL FIELD—GEOLOGY, STRUCTURAL

Combined study of layer D_1 in the Bavly field. I.G. Stepin, G.M.IUdin. Neftegaz.geol.i geofiz. no.5: 57-62 '63.

BAVLY OIL FIELD—PETROLEUM PRODUCTION

Results of the experimental exploitation and testing of limestone of the Tournai stage in the Bavly field. I.G. Polatan and others. Nefteprom.delo no.10:8-13 '63.

BEAMS AND GIRDERS

Belenia, E.I. [Bearing structures of prestressed metal] Predvaritel'no napriazhennye metallicheskie nesushchie konstruktsii. Moskva, Gosstroiizdat, 1963. 322 p.

Calculations for hinge-rod structures based on kinematic principles. K.A.Ksenofontov. Dokl. TSKHA no.87: 415-423 '63.

Cyclic durability of welded double-T beams in connection with the technology of their production. A.V.Sil'vestrov, L.G.Umriasheva. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:153-156 '63.

Erecting reinforced concrete beams for roofs by means of a bridge crane. L.I.Drugov. Mont.i spets.rab.v stroi. 26 no.4:23 Ap '64.

Girder units of tubular and angular profiles. A.I. Oreshko. Dokl.TSKHA no.87:397-405 '63.

Lateral distribution of a temporary load in automobile bridges with a joint reinforced concrete slab. A.M. Ivanov, V.M.Lisov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:27-33 '63.

Mastering the rolling of beam columns on the rail and structural steel 800 mill. S.I.Malishev, N.P.Kudriavtsev, V.G.Karta. Stal' 23 no.3:253-255 Mr '64.

Rigidity and crack resistance of concrete beams with prestressed reinforced wires for roofs of industrial buildings. A.S.Gorlanov. Sbor.nauch.rab.DVNIIS no.3:40-48 '62.

Shishkin, V.E. [Displacements caused by bending. Statically indeterminate beams; lecture with examples of calculations for correspondence students of the engineering department] Peremeshcheniia pri izgibe. Staticheski neopredelimye balki; lektsiia s primerami raschetov dlia studentov-zaochnikov inzhenernogo fakul'teta. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1962. 45 p. (Lektsii po soprotivleniiu materialov, no.6)

[MICROFILM]

Testing reinforced concrete crane girders. A.S.Gorlanov. Sbor.nauch.rab.DVNIIS no.3:49-54 '62.

BEAMS AND GIRDERS—TESTING

Calculation of bridges taking into account the torsion of the main beam. IA.S.Fain. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:18-25 '63.

Experimental study of the bending of double-T steel beams strengthened by pre-tensioning. I.G.Klinov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:26-33 '63.

BEAMS AND GIRDERS, CONTINUOUS

Theory of calculating a continuous plate of a beam-wall with an opening. A.K.Ermakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:34-39 '63.

BEAN BREEDING

Using natural hybridization of forage beans in breeding. A.K.Kiseleva. Agrobiologiia no.5:775-776 S-O '63.

BEANS see subdivision under Krasnoyarsk Territory

BEANS—DISEASES AND PESTS see subdivision under White Russia

BEARING METALS

Aluminum alloys for heavy-loaded bearings. A.A.Tunik, S.F.Klimkovskii. Mashinostroenie no.2:98-101 Mr-Ap '64.

BEARINGS (MACHINERY)

Field tests of a reversive hydrogenerator thrust bearing. A.E.Aleksandrov. Elektrotekhnika 35 no.3:1-5 Mr '64.

Machine for centrifugal babbitt filling of bearing bushings of electric motors. V.E.Gerasimov. Energetik 11 no.12:16-17 D '63.

Possibility for shortening sliding bearings operating in a lubricated friction area. L.M.Tomashevskaia. Nauch. zap.Od.politekh.inst. 46:86-90 '62.

Repair of bearings of the distributing and balancing shafts. B.IAnchukovskii. Avt.transp. 42 no.4:32-34 Ap '64.

Special features in the construction of a thrust bearing with swaying mounts and experience in its operation. K.E.Kovarskii, S.L.Golinkin, M.M.Volynskii. Teploenergetika 11 no.5:57-62 My '64.

BEARINGS (MACHINERY)—THERMAL PROPERTIES

Investigating critical points of temperature conditions in sliding bearings. V.A.Karamzin. Vest.mashinostr. 44 no.4:42-45 Ap '64.

BEAVERS see subdivision under Omsk Province

BECK, LUDWIG AUGUST THEODOR, 1880-1944

New idol of West German militarists. V.Dashichev. Voen.-ist.zhur. 6 no.4:51-64 Ap '64.

BEDNYI, DEM'IAN, 1883-1945

Monastyrskii, A.R. [Poet of the revolution; revolutionary pathos and meaning of the poetry of Dem'ian Bednyi] Poet revoliutsii; o revoliutsionnom pafose i znachenii poezii Dem'iana Bednogo. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 124 p.
(MH)

BEE CULTURE—QUEEN REARING

Milk for queen bees. P.Peichev and others. Priroda 53 no.5:115-116 '64.

BEE VENOM—THERAPEUTIC USE

Alesker, E.M. [Bee venom in the clinical aspects of internal diseases] Pchelinyi iad v klinike vnutrennikh boleznei. [Leningrad], Izd-vo "Meditsina," 1964. 128 p. (Biblioteka prakticheskogo vracha)
(DNLM)

BEECH, FOSSIL see subdivision under Lvov

BEEF CATTLE

Effect of tissue extracts on the meat quality of young cattle. S.D.Volkov. Trudy Kras.NIISKH 1:165-169 '62.

BEEF CATTLE—FEEDING AND FEEDS

Effect of molasses stillage on the meat quality of beef cattle. N.I.Kuritsyn. Trudy VNIIMP no.15:7-13 '63.

Using the wastes of cotton processing industries for the fattening of young cattle. A.A.Kolesnikova. Trudy VNIIMP no.15:3-7 '63.

BEEF CATTLE—PRICES

Payments for cattle according to the weight and quality of the meat. M.Sarbaev. Mias.ind.SSSR 34 no.6: 23 '63.

BEEF CATTLE BREEDING

Crossbreeding of cattle for market production as a major possibility for increasing the production of beef. Z.V. Loriia, K.F.Loriia. Trudy Stavr.sel'khoz.inst. no.11:74-78 '62.

BEES

Formation of flowering plants in the light of the evolution of the behavior of wasplike ancestors of bees (Angiospermae, Vespiformia s. Lat.). S.I.Malyshev. Usp. sovr.biol. 57 no.1:150-174 Ja-F '64.

BEETLES

Samedov, N.G. [Fauna and biology of beetles harmful to farm crops in Azerbaijan] Fauna i biologiia zhukov, vrediashchikh sel'skokhoziaistvennym kul'turam v Azerbaidzhane. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 382 p.
(DNAL)

BEETS, SUGAR see Sugar beets

BEGOVAT (TASHKENT PROVINCE)—STEEL INDUSTRY

Bearing the name of Lenin. M.Savel'ev. Part.zhizn' [Uzb.] 7 no.4:32-36 Ap '64.

BELGIUM—LABOR AND LABORING CLASSES

The 20th Congress of the CPSU and the Belgian labor movement. Ernest Burnelle. Vop.ist.KPSS [illegible] 30-36 Ap '64.

BELGOROD PROVINCE—AGRICULTURE

New discoveries break the old stereotype. D.V.[illegible]benko, N.V.Kalinovskii, P.D.Agarkov. [illegible] 26 no.4:68-69 Ap '64.

BELGOROD PROVINCE—ATTACHMENT AND GARNISHMENT

More attention to furnishing security for claims. V.[illegible]pov. Sov.iust. 38 no.8:8-9 Ap '64.

BELGOROD PROVINCE—AUDITING AND INSPECTION

Work on a volunteer basis. P.Kravchenko. Den.i kredit 22 no.3:51-53 Mr '64.

BELGOROD PROVINCE—BANKS AND BANKING

Work on a volunteer basis. P.Kravchenko. Den.i kredit 22 no.3:51-53 Mr '64.

BELINSKII, NIKOLAI ALEKSEEVICH, 1910-1964

Nikolai Alekseevich Belinskii; obituary. [illegible] 4 no.2:364-365 '64.

BELLS see subdivision under Moscow

BELTS AND BELTING

Efficiency of the driving drum of a drive with a differential mechanism. A.Tiro. [illegible] stan.i prod. lkh perer. no.10:[illegible] '62.

BENDING MACHINES

Using the capacity of bar bender for bending steel reinforcements. A.N.Karmtshenskii, A.E.[illegible]. Sbor.nauch.trud.LISI no.22:19-24 '55.

BENTHOS see subdivision under Kolifakly Uskoy

BENTONITE
(see also subdivision under Manrak Range region)

Effect of sodium bentonite on the structure formation of concretes [with summary in English]. Dop.AN URSR no.2:232-235 '64.

BENZALDEHYDE

Condensation of 1-methyl-3-phenyl-5,6,7,8-tetrahydro[illegible]chromylium perchlorate with aromatic aldehydes. [illegible] Zhdanov and others. Dokl.AN SSSR 155 no.[illegible] 1118 Ap '64.

BENZENE

Alkylation of benzene with propylene in the presence of $AlCl_3$ at 40°. E.P.Babin, V.P.Marshtupa. Zhur.fiz. khim. 37 no.3:656-658 Mr '63.

Economics of the production of benzene from [illegible]. M.M.Umanskii, K.F.Voronkova. Trudy GrozNII no.15:360-371 '63.

Improving the quality and increasing the recovery of a 62--85°C gasoline fraction for use as a raw material for producing benzene. M.L.Kreimer and others. Trudy BashNII NP no.6:95-101 '63.

Kinetics of the gas-liquid alkylation of benzol by propylene and butylene. I.M.Kolesnikov, I.G.Mirgaleev, IA.M.Paushkin. Khim.prom. no.3:174-179 Mr '64.

Preparation of carboxylic acids by one-stage oxidation of polymethylbenzenes in bubble columns. V.II.Fal'kovskii and others. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:122-126 '64.

Rectification kinetics of binary mixtures [with summary in English]. V.A.Dozorov, G.G.Deviatykh, IU.E. Elliev. Zhur.fiz.khim. 36 no.11:2413-2418 N '62.

Statistical calculation of the total energy and entropy of benzene adsorbed on graphite [with summary in English]. A.V.Kiselev, D.P.Poshkus. Zhur.fiz.khim. 37 no.3: 608-614 Mr '63.

Study of the regularities in the process of copolymerization of divinylbenzenes with styrene using azolyat as an emulsifying agent. Z.G.Petrova and others. Azerb. khim.zhur. no.1:37-42 '64.

Studying the hydrogenation of fractions of industrial isodecyl benzene on a nickel catalyst. V.A.Kuprianov, A.Z.Dorogochinskii, N.P.Mel'nikova. Trudy GrozNII no.15:278-283 '63.

Syntheses of arylbutyric acids. Part 1: Reactions of benzene and chlorobenzene with butyrolactone. Ch.Sh. Kadyrov. Uzb.khim.zhur. 8 no.2:52-57 '64.

Triplet molecules in liquid benzene. Photochemical processes in a thin absorbing layer. V.A.Krongauz. Dokl.AN SSSR 155 no.3:658-661 Mr '64.

BENZENE—ABSORPTION SPECTRA

Effect of pressure on the absorption spectrum of benzene in the near infrared region. IU. A. Kliuev. Dokl. AN SSSR 154 no. 3:561-564 Ja '64.

BENZENE—SPECTRA

Luminescence of benzene at low temperatures. V. N. Vatulev, N. I. Sheremet, M. T. Shpak. Opt. i spektr. 16 no. 4:577-586 Ap '64.

BENZENE DERIVATIVES

Complexes with charge transfer formed by ferrocene with trinitro derivatives of benzene. B. J. Getnarski. Dokl. AN SSSR 156 no. 3:604-607 '64.

BENZENEARSONIC ACID

Arsenazo III. S. B. Savvin. Metod. poluch. khim. reak. i prepar. no. 6:25-28 '62.

Carboxyarsenazo. N. N. Basargin. Metod. poluch. khim. reak. i prepar. no. 6:29-33 '62.

Photometric determination of thorium in natural materials with the use of arsenazo III [with summary in English]. E. V. Furtova and others. Zhur. anal. khim. 19 no. 1:94-96 '64.

Reaction of tetravalent plutonium with arsenazo III [with summary in English]. A. A. Nemodruk, N. E. Kochetkova. Zhur. anal. khim. 18 no. 3:333-338 Mr '63.

BENZIMIDAZOLE

Data on the use of dibazol for the prevention of influenza in children's collectives during the 1962 epidemic. L. IA. Ebert, A. D. Brisker, S. A. Rabkina. Kaz. med. zhur. no. 6:44-45 N-D '62.

Esters of phosphoric and phosphorothioic acids containing heterocyclic radicals. Report No. 6: Interaction of phosphoryl and thiophosphoryl chlorides with benzimidazole and morpholine. B. A. Arbuzov, V. M. Zoroastrova, R. Kh. Sagitova. Izv. AN SSSR. Ser. khim. no. 4:661-669 Ap '64.

Syntheses and transformations of some derivatives of 2-(mercaptomethyl) benzimidazole. R. M. Mamedov, B. P. Fedorov. Izv. AN SSSR. Ser. khim. no. 4:698-704 Ap '64.

BENZIMIDAZOLE—PHYSIOLOGICAL EFFECT

Some characteristics of metabolism under the conditions of nonspecifically increased resistance of the organism. R. O. Amirov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:93-100 '63.

BENZOHYDROXAMIC ACID

Hydroxamic acids as analytical reagents. Report No. 1: Spectrophotometric study of the reactions of titanium with benzohydroxamic acid [with summary in English]. I. P. Alimarin, N. P. Borzenkova, R. I. Shmatko. Zhur. anal. khim. 18 no. 3:342-347 Mr '63.

BENZOIC ACID

Experience in the use of frenolon for the treatment of schizophrenia. I. V. Pavlova, M. IA. TSutsul'kovskaia. Zhur. nevr. i psikh. 64 no. 1:125-130 '64.

Solid state polyesterification. Part 1: Solid phase polyesterification of p-acetoxybenzoic acid and low-molecular weight products of condensation of dimethyl terephthalate and ethylene glycol [with summary in English]. A. I. Koretskaia, G. I. Kudriavtsev, A. A. Konkin. Vysokom. soed. 6 no. 3:434-440 Mr '64.

BENZOIN

Determination of boron with benzoin in fluorine-containing mineral raw materials. D. P. Shcherbov, R. N. Plotnikova. Metod. anal. khim. reak. i prepar. no. 4:65-68 '62.

Determination of boron with benzoin in silicon tetrachloride. G. I. Kuchmistaia. Metod. anal. khim. reak. i prepar. no. 4:69-72 '62.

BENZOYL CHLORIDE

Reaction kinetics of aniline acylation with benzoyl chloride in nonaqueous media. Part 2. N. K. Vorob'ev, L. V. Kuritsyn. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:34-40 '64.

BENZOYL PEROXIDE

Radical polymerization of polar monomers induced by the system AlR_3 - benzoyl peroxide [with summary in English]. E. B. Milovskaia and others. Vysokom. soed. 6 no. 3:412-416 Mr '64.

ENZOTHIAZOLE

6-Bromo-2-aminobenzothiazole. V. G. Brudz', D. A. Drapkina, L. I. Gracheva. Metod. poluch. khim. reak. i prepar. no. 6:22-26 '62.

Bromobenzothiazo. D. A. Drapkina, V. G. Brudz', L. I. Gracheva. Metod. poluch. khim. reak. i prepar. no. 6: 20-22 '62.

ERDYANSK (ZAPOROZH'YE PROVINCE)—RETAIL TRADE

Plans submitted by lower echelons should be reckoned with. I. Golovatyi. Sov. torg. 37 no. 3:39-40 Mr '64.

ERG, AKSEL' IVANOVICH, 1893-

Academician Aksel' Ivanovich Berg; on the occasion of his 70th birthday. Priborostroenie no. 12:29 D '63.

Conference in honor of the Hero of Socialist Labor Academician A. I. Berg. Vest. AN SSSR 34 no. 1:123-124 Ja '64.

BERING STRAIT—DAMS

Building dams across the Bering, Tatar, and other straits. A. V. Stotsenko. Sbor. nauch. rab. DVNIIS no. 3:94-98 '62.

BERLIN—REFUGEES, RUSSIAN

A book on the Russian social democrats in Berlin. M. I. Pshedetskii. Vop. ist. KPSS 8 no. 5:117-119 My '64.

BERLIN QUESTION (1945-)

Concerning West Germany's illegitimate claims. A. Aleksandrov. Mezhdunar. zhizn' 11 no. 5:121-122 My '64.

BERRIES—VARIETIES

Some principal problems in the support and degeneration of new fruit, berry, and grape varieties. Istvan Tamassi. Agrobiologiia no. 5:763-773 S-O '63.

BERYLLIUM

Quantitative determination of beryllium in biological media. P. A. Rozenberg. Lab. delo 9 no. 4:11-15 Ap '63.

BERYLLIUM—ANALYSES

Determination of beryllium with morin in ores. D. P. Shcherbov, R. N. Plotnikova. Metod. anal. khim. reak. i prepar. no. 4:62-65 '62.

BERYLLIUM—SPECTRA

Investigating the composition of tektites. Part 4: Spectrographic determination of beryllium in tektites and some other glasses. G. G. Vorob'ev. Meteoritika no. 24: 51-55 '64.

BERYLLIUM—TESTING

Mechanical properties of beryllium following zonal recrystallization. I. V. Milov, D. M. Skorov, V. V. Nikishanov. Met. i metalloved. chist. met. no. 4:175-181 '63.

BERYLLIUM CHLORIDE

Interaction between the chlorides of aluminum and beryllium. K. N. Semenko and others. Dokl. AN SSSR 154 no. 3:648-649 Ja '64.

BERYLLIUM CRYSTALS

Deformation and fracture of rolled beryllium of different purity. V. M. Amonenko and others. Atom. energ. 16 no. 5:426-432 My '64.

BERYLLIUM CRYSTALS—GROWTH

Beryllium crystallization on a condensing column. I. I. Papirov, G. F. Tikhinskii. Kristallografiia 9 no. 2: 310-314 Mr-Ap '64.

BERYLLIUM-SCANDIUM ALLOYS see Scandium-beryllium alloys

BERYLLON

Spectrophotometric study of beryllon II, an analytical reagent [with summary in English]. L. P. Adamovich, A. P. Mirnaia. Zhur. anal. khim. 18 no. 3:292-297 Mr '63.

BESSARABIA—EDUCATION

Chibotaru, F. [Sketches on the history of public education in Bessarabia, 1812-1866. Ocherki po istorii narodnogo obrazovaniia v Bessarabii, 1812-1866. Red. A. I. Babii. Kishinev, Kartia moldoveniaske] 1962. 239 p. [In Moldavian]
(MH)

BESSEMER PROCESS

Production of fluxed briquets for converter steel smelting. F. D. Voronov and others. Stal' 23 no. 3:214-216 Mr '64.

Rate limiting reaction in a converter bath. S. I. Popel', V. V. Pavlov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:5-10 '64.

Using thermocouple sheaths of zirconium diboride for the continuous measurement of the temperature of liquid metal in oxygen-blown converters. G. V. Samsonov, IU. S. Reshetniak, K. R. Vlasov. Stal' 23 no. 3:216-218 Mr '64.

Using water-cooled thermocouples for a continuous control of Bessemer smelting by the temperature of metal. V. S. Kocho, I. G. Fedorets, A. S. Kovalev. Mashinostroenie no. 2:50-52 Mr-Ap '64.

BETA RAYS

Methods of using IFKB cassettes in beta-dosimetry [with summary in English]. M. S. Egorova. Med. rad. 8 no. 5:70-74 My '63.

BETA RAYS—PHYSIOLOGICAL EFFECT

Effect of endogenous irradiation of hen eggs with small doses of radioactive phosphorus on the development of embryos during incubation. S. A. Dzhabieva, T. A. Agadzhanova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:87-92 '63.

BETAINE

Preparation of glutamic acid, acidol, and other valuable substances by the ion-exchange flowsheet from molasses and waste products of its processing. G. B. Aimukhamedova and others. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no. 6:5-9 '62.

BEVEL-GEARING see Gearing, Bevel

BIBENZYL

Polymerization of 4, 4'-diisopropenyldiphenylethane [with summary in English]. IU. V. Mitin. Vysokom. soed. 6 no. 3:484-487 Mr '64.

BIBLIOGRAPHY

Annotations. A. I. Sereda and others. Vop. ist. KPSS 8 no. 5:127-133 My '64.

Annotations. A. L. Vodolagin and others. Vop. ist. KPSS 8 no. 4:135-139 Ap '64.

[Book chronicle] Knizh. let. nos. 21-22 '64. Ukazatel' seriinykh izdanii za 1963 g.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 8 nos. 9-10 My '64.

Kalent'eva, A. G. [In love with literature; a sketch of the life and work of S. A. Vengerov, 1855-1920] Vliublennyi v literaturu; ocherk zhizni i deiatel'nosti S. A. Vengerova, 1855-1920. Moskva, Izd-vo "Kniga," 1964. 78 p. (Deiateli knigi)
(CSt-H)

New books. Kommunist 41 no. 8:127-128 My '64.

New books. Nov. mir 40 no. 3:287-288 Mr '64.

New books. Part. zhizn' Kazakh. 34 no. 3:80 Mr '64.

Philosophical literature in 1964. V. I. Evsevichev and others. Vop. filos. 18 no. 4:179-183 '64.

BIBLIOGRAPHY—AGRICULTURAL CHEMISTRY

Bibliography. A. V. Sokolov. Khim. v sel'. khoz. 2 no. 2: 62-64 F '64.

Books and brochures on chemistry in agriculture. Khim. v sel'. khoz. 2 no. 3:61-62 Mr '64.

BIBLIOGRAPHY—AGRICULTURAL MACHINERY

TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechernozemnoi zony SSSR. [Bibliography of printed works, 1947-1962] Bibliografiia pechatnykh rabot (1947-1962 gg.) Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 74 p.
[MICROFILM]

BIBLIOGRAPHY—AGRICULTURE

Books sent to the editor for comment. Agrobiologiia no. 5:798-799 S-O '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 7 nos. 13-14 My '64.

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography on natural sciences, technology and agriculture; a textbook] Bibliografiia estestvennonauchnoi, tekhnicheskoi i sel'skokhoziaistvennoi literatury; uchebnik. Moskva, Sovetskaia Rossiia,
Pt. 2. 1964. 291 p.

BIBLIOGRAPHY—AGRICULTURE—ECONOMIC ASPECTS

Books published by the "Ekonomika" Publishing House in 1964. N. Ovchinnikov. Ekon. sel'khoz. 35 no. 3:123-124 Mr '64.

BIBLIOGRAPHY—ALTITUDE, INFLUENCE OF

Frunze. Gosudarstvennaia nauchnaia meditsinskaia biblioteka Kirgizskoi SSR. [High mountains (mountain climate and reduced atmospheric pressure); effect on the body. A bibliographic guide to the Soviet literature, 1940-1959] Vysokogor'e (gornyi klimat i ponizhennoe atmosfernoe davlenie); vliianie na organizm. Bibliograficheskii ukazatel' otechestvennoi literatury. (1940-1959 g. g.). Frunze, 1963. 109 p.

BIBLIOGRAPHY—AMATEUR ART ACTIVITIES

For leaders of recreation groups. Zh. Zhaton. Bibliotekar' no. 5:25-28 My '64.

BIBLIOGRAPHY—AMATEUR THEATRICALS

For leaders of recreation groups. Zh. Zhaton. Bibliotekar' no. 5:25-28 My '64.

BIBLIOGRAPHY—ANTIBIOTICS

Soviet literature. Zhur. mikrobiol., epid. i immun. 40 no. 4:153-158 Ap '63.

BIBLIOGRAPHY—ARCHAEOLOGY

Having removed the dust of centuries. I. Kozyrev, V. Prokopenko. V mire knig 3 no. 7:10-11 Jl '63.

BIBLIOGRAPHY—ARMENIAN LITERATURE—TRANSLATIONS INTO RUSSIAN

Mil'kina, R. B. [Bibliography of Russian translations of Armenian literature] Bibliografiia armianskoi literatury v perevodakh na russkii iazyk. Moskva, Mosk. gos. bibliotechnyi in-t, 1963. 29 p.
[MICROFILM]

BIBLIOGRAPHY—ATHEISM—STUDY AND TEACHING

Solid literature for propagandists of atheism. V. Cherniak. Part. zhizn' Kazakh. 34 no. 1:73-77 Ja '64.

BIBLIOGRAPHY—ATOMIC ENERGY

New literature. Atom. energ. 16 no. 4:393-396 Ap '64.

New literature. Atom. energ. 16 no. 5:470-474 My '64.

BIBLIOGRAPHY—AUTOMATION

Books. Avtom. i prib. no. 1:93 Ja-Mr '64.

From foreign periodicals. Avtom. i prib. no. 1:90-91 Ja-Mr '64.

From foreign periodicals. Mekh. i avtom. proizv. 18 no. 5:60-64 My '64.

From Soviet periodicals. Mekh. i avtom. proizv. 18 no. 5:57-60 My '64.

From foreign periodicals, September 1963. Mekh. i avtom. proizv. 18 no. 4:63-64 Ap '64.

From Soviet periodicals, February 1964. Mekh. i avtom. proizv. 18 no. 4:60-63 Ap '64.

New books. Mekh. i avtom. proizv. 18 no. 4:59 Ap '64.

New books. Mekh. i avtom. proizv. 18 no. 5:56-57 My '64.

BIBLIOGRAPHY—AZERBAIJANI LITERATURE

Knizhnaia Palata Azerbaidzhanskoi SSR. [The Azerbaijani book; bibliography in three volumes] Azerbaidzhanskaia kniga; bibliografiia v trekh tomakh. Baky.
Vol. 1. 1780-1920. 1963. 219 p. [In Azerbaijani]

BIBLIOGRAPHY—BAKULEV, ALEKSANDR NIKOLAEVICH, 1890-

Akademiia nauk SSSR. Aleksandr Nikolaevich Bakulev. Vstup. stat'ia S. A. Kolesnikova. Bibliografiia sost. V. D. Magnitskoi. Moskva, 1963. 60 p. (Materialy k biobibliografii uchenykh SSSR. Seriia meditsinskikh nauk, no. 7)
(NIC)

BIBLIOGRAPHY—BALLOON ASCENSIONS

Among books. Kryl. rod. 15 no. 4:31 Ap '64.

BIBLIOGRAPHY—BIBLIOGRAPHY

[Bibliography of Soviet bibliography, 1962] Bibli. sov. bibl. 1962, publ. '64.

BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 7 nos. 13-14 My '64.

BIBLIOGRAPHY—BRIDGES

Bibliographical information about technological literature. Nov. tekh. zhil. -kom. khoz.: Gor. dor. -most. khoz. i transp. no. 2:132-159 '63.

BIBLIOGRAPHY—BUILDING

Bibliography. Mont. i spets. rab. v strol. 26 no. 4:p. 3 of cover Ap '64.

BIBLIOGRAPHY—CATARRH

Bibliography of works on influenza and acute catarrhs of the respiratory tract completed at the Ivanovskii Institute of Virology, Academy of Medical Sciences of the U.S.S.R., 1946-1957. S. T. Merkulova. Vop. med. virus. no. 5 pt. 2:192-221 '59.

BIBLIOGRAPHY—CHEMISTRY

Bibliography. Azerb. khim. zhur. no. 1:139-140 '64.

Bibliography. Zhur. prikl. khim. 37 no. 4:932-936 Ap '64.

BIBLIOGRAPHY—CHEMISTRY, ANALYTICAL

Information from abroad. Zav. lab. 30 no. 5:639-640 '64.

BIBLIOGRAPHY—CHILDREN'S LITERATURE

Bright and joyful world. L. Kassil'. V mire knig 3 no. 7:30-31 Jl '63.

BIBLIOGRAPHY—COAL MINES AND MINING

New publications. Ugol' 38 no. 12:57-58 D '63.

BIBLIOGRAPHY—COMMUNICABLE DISEASES

Soviet literature. M. L. Vil'shanskaia. Zhur. mikrobiol., epid. i immun. 40 no. 9:151-158 S '63.

BIBLIOGRAPHY—COMMUNIST PARTIES

Documents and articles on the history of the CPSU and the international communist and labor movements published in February 1964 in periodicals, studies, papers and transactions. Vop. ist. KPSS 8 no. 4:142-145 Ap '64.

Documents and articles on the history of the CPSU and the international communist and workers' movements published in January, 1964 in periodicals, studies, papers, and transactions. Vop. ist. KPSS 8 no. 5:135-140 My '64.

BIBLIOGRAPHY—CONSTRUCTION EQUIPMENT

From the pages of foreign journals. Mekh. strol. 21 no. 4:p. 3 of cover Ap '64.

From the pages of Soviet journals. Mekh. strol. 21 no. 4:32-3 of cover Ap '64.

Through the pages of Soviet magazines. Mekh. strol. 21 no. 5:31-32 My '64.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

New books. Ekon. strol. no. 3:35, 73 Mr '64.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY—FINANCE

New books. Ekon. strol. no. 4:21, 24, 73 Ap '64.

BIBLIOGRAPHY—COPPER—METALLURGY

Moscow. Gosudarstvennaia publichnaia nauchno-tekhnicheskaia biblioteka SSSR. [Metallurgy of copper; bibliography. Books and journals in Russian and in foreign languages for the years 1930-1957] Metallurgiia medi; bibliograficheskii ukazatel'. Knizhnaia i zhurnal'naia literatura na russkom i inostrannykh iazykakh za 1930-1957 gg. Moskva, Metallurgizdat, 1959. 108 p.

[MICROFILM]

BIBLIOGRAPHY—COTTON GROWING

To the workers in the fields of Uzbekistan. I. Tikhonova. V mire knig 3 no. 7:20 Jl '63.

BIBLIOGRAPHY—DERMATOLOGY

Bibliography. Vest. derm. i ven. 37 no. 4:93-94 Ap '63.

BIBLIOGRAPHY—DISSERTATIONS, ACADEMIC

Leningrad. Universitet. Biblioteka. [Dissertations defended in the A. A. Zhdanov Leningrad State University; a bibliographical index, 1956-1958] Dissertatsii, zashchishchennye v Leningradskom ordena Lenina gosudarstvennom universitete imeni A. A. Zhdanova; bibliograficheskii ukazatel', 1956-1958. Leningrad, 1960.
(WaU)

BIBLIOGRAPHY—ECONOMICS, MATHEMATICAL

New books on statistics and accounting. G. Aliutin. Vest. stat. no. 5:64-66 '64.

BIBLIOGRAPHY—EDUCATION

Among the new publications of pedagogical literature. E. Lebedeva. Nar. obr. no. 4:113-115 Ap '64.

Bookshelf. Nar. obr. no. 4:116, 118 Ap '64.

Bookshelf. Nar. obr. no. 5:108-109, 112, 133 My '64.

BIBLIOGRAPHY—EDUCATION, ELEMENTARY

Bookshelf. Nach. shkola 33 no. 1:92-95 Ja '64.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Candidate's and doctor's dissertations submitted to the Lenin Library in the first quarter of 1963. Prom. energ. 19 no. 2:62 F '64.

BIBLIOGRAPHY—ELECTRICITY IN AGRICULTURE

TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechernozemnoi zony SSSR. [Bibliography of printed works, 1947-1962] Bibliografiia pechatnykh rabot (1947-1962 gg.) Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 74 p.
[MICROFILM]

BIBLIOGRAPHY—ELECTRONICS

From the wire to light ray. IIr. Beil'kin. V mire knig 3 no. 7:8-9 Jl '63.

BIBLIOGRAPHY—ESTONIAN LITERATURE—HISTORY AND CRITICISM

[Estonian literature, history and criticism, 1959-1962; a bibliography] Eesti kirjandus, kirjandusteadus ja kriitika, 1959-1962; bibliograafia. Tallinn, Eesti Riiklik Kirjastus, 1963. 359 p. [In Estonian]

BIBLIOGRAPHY—FINANCE

Bookshelf. Den. i kred. 22 no. 3:93-95 Mr '64.

BIBLIOGRAPHY—FISHERIES

New literature on the fishing industry. Ryb. khoz. 40 no. 3:93-94 '64.

BIBLIOGRAPHY—FORESTRY RESEARCH

Kazakhskii nauchno-issledovatel'skii institut lesnogo khoziaistva. [Review of scientific research work for 1961] Obzor nauchno-issledovatel'skikh rabot za 1961 god. Alma-Ata, Kazakhskoe gos. izd-vo sel'khoz. lit-ry, 1962. 39 p.

[DNAL MICROFILM]

BIBLIOGRAPHY—FORESTS AND FORESTRY

Book reviews and bibliography. P. G. Troshanin, A. Savel'ev. Les. khoz. 17 no. 4:84-88 Ap '64.

BIBLIOGRAPHY—GEARING

TSentral'naia otraslovaia nauchno-tekhnicheskaia biblioteka mashinostroeniia. [Check of gear wheels in automatically controlled production and new attached devices for checking the diametral and circular pitch of gear wheels; bibliographical index of Soviet and foreign literature published in 1960-1962] Kontrol' zubchatykh koles v avtomatizirovannom proizvodstve i novye nakladnye pribory dlia kontrolia osnovnogo i okruzhnogo shaga zubchatykh koles; bibliograficheskii ukazatel' otechestvennoi i inostrannoi literatury za 1960-1962 gg. 140 nazv. Moskva, 1963. 28 p.

[MICROFILM]

BIBLIOGRAPHY—[illegible]

[illegible]

BIBLIOGRAPHY—[illegible]

Tbilisi. [illegible] [Analytic bibliography of [illegible]] [illegible] bibliografiia [illegible]

Vol. 1, pt. 1 1963. [illegible]

BIBLIOGRAPHY—[illegible]

[illegible]

BIBLIOGRAPHY—[illegible]

[illegible]

BIBLIOGRAPHY—[illegible]

[illegible]

BIBLIOGRAPHY—[illegible]

[illegible]

BIBLIOGRAPHY—[illegible]

TSentral'nala [illegible] promyshlennosti [illegible] textile and light industries [illegible] literature received by the library [illegible] from 1957 to 1962] [illegible] literatury, [illegible] period s 1957 g. po 1962 g. Moskva, [illegible] (V pomoshch' [illegible])

[illegible]

BIBLIOGRAPHY—[illegible]

New books and [illegible]

BIBLIOGRAPHY—INFLUENZA

Bibliography of works on influenza and acute catarrhs of the respiratory tract completed at the [illegible] of Virology, Academy of Medical Sciences of the U.S.S.R., [illegible] S. T. [illegible] virus. no. 5 pt. 2:[illegible]

BIBLIOGRAPHY—INSTRUMENTS

Articles from periodicals. [illegible] cover Ap '64.

Books. Avtom. i prib. no. 1:93 Ja-Mr '64.

From foreign periodicals. Avtom. i prib. [illegible] Ja-Mr '64.

New books. [illegible] '64.

BIBLIOGRAPHY—KALININ PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Kalinin. Oblastnaia biblioteka. [illegible] [From the history of the Kalinin Province Party organization; an index of recommended literature] Iz istorii Kalininskoi oblastnoi partiinoi organizatsii; rekomendatel'nyi ukazatel' literatury. [Kalinin] [illegible] izd-vo, 1964. [illegible] p.
(CSt-H)

BIBLIOGRAPHY—KAMA VALLEY—REVOLUTION, 1917-1921

Perm. Gosudarstvennaia publichnaia biblioteka imeni M. Gor'kogo. Nauchno-bibliograficheskii otdel. [Fighters for people's happiness; index to literature on the prominent participants of the revolutionary movement in the Kama Valley] Bortsy za narodnoe schast'e; ukazatel' literatury o vydaiushchikhsia deiateliakh revoliutsionnogo dvizheniia v Prikam'e. [Perm'] Permskoe knizhnoe izd-vo, 1963. 22 p.
[MICROFILM]

BIBLIOGRAPHY—KAZAKHSTAN—ARCHAEOLOGY

Archaeological literature in the publications of the Academy of Sciences of the Kazakh S.S.R. in 1946-1962. K.Baipakov. Sov.arkheol. 8 no.2:244-251 '64.

BIBLIOGRAPHY—KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION

Bibliography of documents concerning the history of The Communist Party of Kazakhstan. M.M.Litviak. Vop. ist.KPSS 8 no.4:126-128 Ap '64.

BIBLIOGRAPHY—LABOR AND LABORING CLASSES

Knowledge, culture, and labor. B.Ileshin. V mire knig 3 no.7:15-16 Jl '63.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

Books, periodicals, and brochures received by the editors. Vop.iaz. 12 no.6:172 N-D '63.

BIBLIOGRAPHY—LAW

Current legal literature of the U.S.S.R., December 1963 -January 1964. Sov.gos.i pravo 34 no.4:155-159 Ap '64.

New Soviet legal studies, July-August 1963. Sov.gos.i pravo. no.12:155-159 D '63.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

Alma-Ata. Gosudarstvennaia respublikanskaia publichnaia biblioteka. [Works of Vladimir Il'ich Lenin; bibliographic index] Proizvedeniia Vladimira Il'icha Lenina; bibliograficheskii ukazatel'. Sost. S.A. Akashev. Otv. red. E.Aitbaev. [Alma-Ata, 1963] 54 p. [In Kazakh]

Lenin, the party, and Leninists. V mire knig 3 no.7: 2-3 Jl '63.

New books and pamphlets. Komm.Uz. 30 no.4:94-96 Ap '64.

BIBLIOGRAPHY—LIBRARIES

New books. Bibliotekar' no.5:63 My '64.

BIBLIOGRAPHY—LIBRARY SCIENCE

[Library science and bibliography. Jl-S '63] Bibliotekoved. i bibl. no.3 '64.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 7 nos. 14-15 Ap-My '64.

BIBLIOGRAPHY—LUK'IANOVA, MARIIA IVANOVNA, 1904-

List of basic scholarly works by M.I. Luk'ianova, Doctor of Economics; on the occasion of her sixtieth birthday. Nar.Az.i Afr. no.3:218-220 '64.

BIBLIOGRAPHY—MACHINE ACCOUNTING

New books on statistics and accounting. G.Aliutin. Vest. stat. no.5:64-66 '64.

BIBLIOGRAPHY—MACHINE TOOLS

Books, dissertations, periodicals. Stan.i instr. 35 no.4:40-41 Ap '64.

BIBLIOGRAPHY—MACHINERY INDUSTRY

New books. Mashinostroenie no.2:109-110 Mr-Ap '64.

BIBLIOGRAPHY—MECHANICAL ENGINEERING

New books. Vest. mashinostr. 44 no.4:89-90 Ap '64.

Review of foreign periodicals. Vest. mashinostr. 44 no.4:91-92 Ap '64.

BIBLIOGRAPHY—MEDICAL MICROBIOLOGY

Reviews, criticism and bibliography. V.A.IUdenich. Zhur. mikrobiol., epid. i immun. 40 no.9:149-151 S '63.

Soviet literature. M.L.Vil'shanskaia. Zhur. mikrobiol., epid. i immun. 40 no.9:151-158 S '63.

BIBLIOGRAPHY—MEDICINE

Along the pages of periodicals. M.O.Birger, L.G. Smirnova. Lab. delo 8 no.7:61-62 Jl '62.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2 7 nos. 13-14 My '64.

New books. Sov. zdrav. 22 no.8:96 '63.

BIBLIOGRAPHY—METALLURGICAL FURNACES—EQUIPMENT AND SUPPLIES

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Gas heating of metallurgical furnaces; bibliography for 1948-1962] Gazovoe otoplenie metallurgicheskikh pechei; bibliograficheskii spravochnik za 1948-1962 gg. Moskva, 1963. 77 p. (Metallurgiia tiazhelykh tsvetnykh metallov i zolota)
[MICROFILM]

BIBLIOGRAPHY—METEOROLOGY

Literature on meteorology in 1963. Meteor.i gidrol. no.2:58-61 F '64.

New books. N.S. Meteor.i gidrol. no.4:57-58 Ap '64.

BIBLIOGRAPHY—MICROBIOLOGY

Soviet literature. Zhur. mikrobiol., epid. i immun. 40 no.4:153-158 Ap '63.

BIBLIOGRAPHY—NATURAL HISTORY

Stories about nature. V mire knig 3 no.7:12-13 Jl '63.

BIBLIOGRAPHY—NEMATODE DISEASES OF PLANTS

Literature on the nematode diseases of plants. R.Kh. Pul'son. Zashch.rast.ot vred.i bol. 9 no.4:61-63 '64.

BIBLIOGRAPHY—OIL SHALES

Annotated bibliography on problems of oil shale processing. E.A.Soskina. Trudy VNIIT no.11:314-330 '62.

BIBLIOGRAPHY—PAINT MATERIALS

Literature on paint materials and their application. Lakokras.mat.i ikh prim. no.1:91-94 '64.

BIBLIOGRAPHY—PAINTERS, RUSSIAN

Tradition of realism. A.Davydova. V mire knig 3 no.7:39-40 Jl '63.

BIBLIOGRAPHY—PAPER INDUSTRY

Books and articles useful for papermakers. Bum. prom. no.4:4 of insert Ap '64.

Useful books and articles for papermakers. Bum. prom. no.1:3-4 of insert Ja '64.

BIBLIOGRAPHY—PETROLOGY

V.N. Lodochnikov's works, 1916-1956. Trudy VSEGEI 98:12-14 '63.

BIBLIOGRAPHY—PHILOSOPHY

New literature. Vop.filos. 18 no.3:181-183 '64.

Recent philosophical literature. Vop.filos. 17 no.12:174-176 '63.

BIBLIOGRAPHY—PHYSICS

Bibliography. Teplofiz.vys.temp. 1 no.2:326-327 S-O '63.

BIBLIOGRAPHY—PLANTS—WATER REQUIREMENTS

Akademiia nauk SSSR. Biblioteka. [Physiological significance of mineral nutrition as related to water requirements in the life of plants; a bibliographic index for 1926-1962] Fiziologicheskoe znachenie mineral'nogo pitaniia v sviazi s vodnym rezhimom v zhizni rastenii; bibliograficheskii ukazatel', 1926-1962. Sost. N.N. TSvetkova. Pod red. F.D.Skazkina. Leningrad, 1964. 174 p.

BIBLIOGRAPHY—PLANTS, EFFECT OF MINERALS ON

Akademiia nauk SSSR. Biblioteka. [Physiological significance of mineral nutrition as related to water requirements in the life of plants; a bibliographic index for 1926-1962] Fiziologicheskoe znachenie mineral'nogo pitaniia v sviazi s vodnym rezhimom v zhizni rastenii; bibliograficheskii ukazatel', 1926-1962. Sost. N.N. TSvetkova. Pod red. F.D.Skazkina. Leningrad, 1964. 174 p.

BIBLIOGRAPHY—PLANTS, PROTECTION OF

Bookshelf. Zashch.rast.ot vred.i bol. 9 no.4:53,63 '64.

BIBLIOGRAPHY—PLASTICS

Bibliography. Plast.massy no.5:76-78 '64.

BIBLIOGRAPHY—RADIO

New books. Radiotekhnika 19 no.4:80 Ap '64.

BIBLIOGRAPHY—RAILROADS

New books. Vest.TSNII MPS 23 no.3:3 of cover '64.

BIBLIOGRAPHY—RARE BOOKS

We work with the rare book collection. E.Osipova. Bibliotekar' no.5:28-29 My '64.

BIBLIOGRAPHY—ROADS

Bibliographical information about technological literature. Nov.tekh.zhil.-kom.khoz.:Gor.dor.-most.khoz.i transp. no.2:132-159 '63.

Literature for road construction workers published in 1964. Avt.dor. 27 no.3:32-3 of cover Mr '64.

BIBLIOGRAPHY—RUSSIA—HISTORIOGRAPHY

A new bibliographical guide. M.K.Starokadomskaia, E.G.Shapot. Ist.SSSR 8 no.2:235-236 Mr-Ap '64.

BIBLIOGRAPHY—RUSSIA—HISTORY

New books. Ist.SSSR 8 no.2:245 Mr-Ap '64.

Russia (1923- U.S.S.R.) Glavnoe arkhivnoe upravlenie. [Documentary publications on the history of the civil war in the U.S.S.R.; a brief survey] Dokumental'nye publikatsii po istorii grazhdanskoi voiny v SSSR; kratkii obzor. Pod red. L.I.IAkovleva. Moskva, 1961. 51 p.
(MH)

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 9 nos. 13-14 My '64.

New books. Vest.AN SSSR 34 no.1:138-142 Ja '64.

New books. Vest.AN SSSR 34 no.2:144-150 F '64.

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography on natural sciences, technology and agriculture; a textbook] Bibliografiia estestvennonauchnoi, tekhnicheskoi i sel'skokhoziaistvennoi literatury; uchebnik. Moskva, Sovetskaia Rossiia.
Pt. 2. 1964. 291 p.

BIBLIOGRAPHY—SHEVCHENKO, TARAS, 1814-1861

Akademiia nauk Gruzinskoi SSR, Tiflis. TSentral'naia nauchnaia biblioteka. [Taras Grigor'evich Shevchenko; bibliography of his works and writings about him published in Georgia] Taras Grigor'evich Shevchenko; bibliografiia proizvedenii i literatury o nem, opublikovannykh v Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 87 p. [In Georgian and Russian]

Bibliography of dissertations and abstracts on T.H. Shevchenko, 1939-1963. L.V.Bieliaieva. Rad.lit. 8 no.2:149-152 Mr-Ap '64.

Bibliography of literature on Shevchenko. F.K.Sarana. Rad.lit. 8 no.2:146-149 Mr-Ap '64.

BIBLIOGRAPHY—SIBERIA—CONSERVATION OF NATURAL RESOURCES

New literature on problems of conservation in Siberia, 1951-1960. F.G.Ioganzen, G.M.Krivoshchekov. Okhr. prir.Sib.i Dal'.Vost. no.1:258-287 '62.

BIBLIOGRAPHY—SLAVIC LITERATURE

Akademiia nauk SSSR. Institut russkogo iazyka. [Slavic linguistics; a bibliographic index of literature published in the U.S.S.R. from 1918 to 1960] Slavianskoe iazykoznanie; bibliograficheskii ukazatel' literatury, izdannoi v SSSR s 1918 po 1960 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 2 v.
(CSt-H)

BIBLIOGRAPHY—SLAVIC PHILOLOGY

Akademiia nauk SSSR. Institut russkogo iazyka. [Slavic linguistics; a bibliographic index of literature published in the U.S.S.R. from 1918 to 1960] Slavianskoe iazykoznanie; bibliograficheskii ukazatel' literatury, izdannoi v SSSR s 1918 po 1960 gg. Moskva, Izd-vo Akad. nauk 1963. 2 v.
(CSt-H)

BIBLIOGRAPHY—SLAVIC STUDIES

"Soviet Slavic studies. Literature on foreign Slavic countries in the Russian language, 1918-1960." Reviewed by G.P.Pochenko. Vop.ist. 39 no.3:143-144 Mr '64.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 7 nos. 14-15 Ap-My '64.

BIBLIOGRAPHY—SPACE FLIGHT

Among books. Kryl.rod. 15 no.4:31 Ap '64.

BIBLIOGRAPHY—STATISTICS

New books on statistics and accounting. G.Aliutin. Vest. stat. no.5:64-66 '64.

BIBLIOGRAPHY—STREET RAILWAYS

Bibliographical information about technological literature. Nov.tekh.zhil.-kom.khoz.:Gor.dor.-most.khoz.i transp. no.2:132-159 '63.

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS

From foreign periodicals. Mekh.i avtom.proizv. 18 no.5:60-64 My '64.

From foreign periodicals, September 1963. Mekh.i avtom.proizv. 18 no.4:63-64 Ap '64.

From Soviet periodicals, February 1964. Mekh.i avtom. proizv. 18 no.4:60-63 Ap '64.

From Soviet periodicals. Mekh.i avtom.proizv. 18 no.5:57-60 My '64.

New books. Mekh.i avtom.proizv. 18 no.4:59 Ap '64.

New books. Mekh.i avtom.proizv. 18 no.5:56-57 My '64.

BIBLIOGRAPHY—TECHNOLOGY

Farin, S.R. [Industrial aesthetics; a bibliographic index] Promyshlennaia estetika; bibliograficheskii ukazatel'. Minsk, Belorusskii respublikanskii sovet nauchno-tekhn. obshchestv, 1963. 38 p.
(CSt-H)

Literature covering the family of workers. V mire knig 3 no.7:16-17 Jl '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 9 nos. 13-14 My '64.

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography on natural sciences, technology and agriculture; a textbook] Bibliografiia estestvennonauchnoi, tekhnicheskoi i sel'skokhoziaistvennoi literatury; uchebnik. Moskva, Sovetskaia Rossiia.
Pt. 2. 1964. 231 p.

BIBLIOGRAPHY—TRACE ELEMENTS

Liakhovich, V.V. [Accessory minerals of granitoids; brief annotated bibliography] Aktsessornye mineraly granitoidov; kratkaia annotirovannaia bibliografiia. Moskva, In-t mineralogii, geokhimii i kristallokhimii redkikh elementov, 1964. 227 p.

BIBLIOGRAPHY—TRANSLATIONS

"Literature of the non-Soviet East; a bibliography of translations into the languages of the peoples of the U.S.S.R., 1918-1960." Reviewed by Kh.S.Nadel'. Nar.Az.i Afr. no.3:200-201 '64.

BIBLIOGRAPHY—TRANSPORTATION, AUTOMOTIVE

New books. Avt.transp. 42 no.4:63-64 Ap '64.

New books. Avt.transp. 42 no.5:63-64 My '64.

BIBLIOGRAPHY—TUBERCULOSIS

Riga. Republikaniska Zinatniska medicinas biblioteka. [Tuberculosis; bibliographical index of the Soviet literature for the period 1957-1960] Tuberkuloze; Padomju literaturas bibliografisks saraksts par 1957.-1960. gadiem. Tuberkulez; bibliograficheskii ukazatel' otechestvennoi literatury za 1957-1960 gody. Riga, 1962. 368 p.

BIBLIOGRAPHY—TVER' GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY

Kalinin. Oblastnaia biblioteka. Bibliograficheskii otdel. [From the history of the Kalinin Province Party organization; an index of recommended literature] Iz istorii Kalininskoi oblastnoi partiinoi organizatsii; rekomendatel'nyi ukazatel' literatury. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 31 p.
(CSt-H)

BIBLIOGRAPHY—UKRAINE—LABOR AND LABORING CLASSES

Literary sources of the history of the mode of life of Ukrainian workers in the pre-Soviet period. K.I. Mateiko. Mat. z etn. ta mystetstvozn. no. 5:42-63 [illegible]

BIBLIOGRAPHY—UNDERWATER ACOUSTICS

"Underwater acoustics; proceedings of an institute sponsored by the Scientific Affairs Committee of the North Atlantic Treaty Organization." Reviewed by IU.P.Lysanov. Akust.zhur. 10 no.1:132-133 '64.

BIBLIOGRAPHY—VENEREOLOGY

Bibliography. Vest.derm.i ven. 37 no.4:83-84 Ap '63.

BIBLIOGRAPHY—WELDING

Foreign publications on welding. Svar.proizv. no.11:47-48 N '63.

Soviet inventions in welding. Svar.proizv. no.11:47 N '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Briskman, M.A., and M.P.Bronshtein. [Compilation of bibliographic lists; a practical guide] Sostavlenie bibliograficheskikh posobii; prakticheskoe rukovodstvo. Moskva, Izd-vo "Kniga," 1964. 298 p.

[Library science and bibliography. Jl-S '63] Bibliotekoved.i bibl. no.3 '64.

The place of bibliography in the labor system. Bibliotekar' no.5:32-33 My '64.

BIBLIOGRAPHY, NATIONAL

At the sources of publishing work in the first years of Soviet rule. V.A.Seleznev, IU.G.Chulanov. Sov.pedag. 28 no.4:92-94 Ap '64.

BICYCLE RACING

Doctor's care of young cyclists. F.A.Iordanskaia, I.E. Pul'kina, L.I.Stogova. Teor.i prak.fiz.kul't 26 no.9:48-51 S '63.

BILE

Effect of the thyroid gland on the secretion and enzymatic activity of bile and pancreatic juice in sheep. R.M. Trofimova. Trudy Inst.fiziol.AN Kazakh.SSR 5:53-58 '63.

Regulation of bile formation in birds. V.V.Li. Trudy Inst.fiziol.AN Kazakh.SSR 5:140-143 '63.

Some characteristics of pancreatic secretion and the bile secreting function of the liver in sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst. fiziol.AN Kazakh.SSR 5:33-38 '63.

Some characteristics of the physiology of bile formation in birds. V.V.Li. Trudy Inst.fiziol.AN Kazakh.SSR 5:133-139 '63.

BILE DUCTS—DISEASES

Dynamics of some indicators of the reactivity of the organism in diseases of the liver and the bile ducts depending on the seriousness of the disease and the treatment used. A.A.IUshkova. Sbor.nauch.trud. Ivan.gos.med.inst. no.25:96-101 '62.

Pathogenic relation between acute pancreatitis and acute diseases of the gallbladder and bile ducts. E.K.Nugmanov. Zdrav.Kazakh. 22 no.10:16-18 '62.

BILE DUCTS—RADIOGRAPHY

Construction of a tunnel for X-ray manometry of bile ducts on the operation table. V. V. Vinogradov and others. Eksper.khir.i anest. 7 no.4:29-31 Jl-Ag '62.

BILIRUBIN

Determination of bilirubin by the trichloroacetic acid reaction. L.L.Gromashevskaia, Z.P.Gette. Lab. delo 9 no.4:26-28 Ap '63.

Separate determination of bilirubin fractions in epidemic hepatitis in children. A.P.Kupershtein, P.A.Roomere. Lab.delo 8 no.9:29-34 S '62.

Separate determination of direct and indirect bilirubin in Botkin's disease and other diseases. L.N.Osipov. Lab.delo 8 no.9:34-39 S '62.

BILL DRAFTING

Participation of Soviet scholars and scientists in the preparation of legislative enactments by the Committee for Legislative Proposals. S.G.Novikov. Sov.gos.i pravo no.12:56-66 D '63.

BINDING MATERIALS
(see also subdivision under Donets Economic region; Soviet Far East)

Activation of the hardening of lime and naturally calcined clay binding materials with admixtures of natural perlites. G.I.Knigina, T.S.Balandina. Izv.vys.ucheb. zav.; stroi.i arkhit. 6 no.8:92-100 '63.

Electric curing of light concrete with a slag binding material. A.Mironov and others. Stroi.mat. 10 no.1:31-33 Ja '64.

Production of local binding material from dust from rotary kiln electrostatic precipitators. IU.A.Spesivtsev. Stroi.mat. 9 no.8:18-19 Ag '63.

Refractory concrete on silicate binding material. N.V. Il'ina, L.I.Skoblo. Trudy Giprotsement no.26:143-161 '63.

Resins from waste from the chemical industry for making chip slabs and other materials. L.I.Kozel'tsev. Stroi. mat. 10 no.1:7 Ja '64.

BIOCHEMICAL RESEARCH see subdivision under Uzbekistan

BIOCHEMISTRY

Bacteriological diagnosis of salmonellosis. E.M.Frishman. Lab.delo no.4:237-239 '64.

Biochemical Conference in the German Democratic Republic. S.E.Severin. Vest.AN SSSR 34 no.2:82-83 F '64.

Biochemistry at the Eighth International Cancer Research Congress. V.S.Shapot. Biokhimiia 27 no.6:1116-1120 N-D '62.

"Biochemistry" by D.L.Ferdman. Reviewed by A.M. Utevskii. Usp.sovr.biol. 56 no.3:468-460 '63.

Functional and morphological changes in the organs of the gastrointestinal tract after stomach resection; clinico-experimental research [with summary in English]. G.K.Kurchavov. Khirurgiia 39 no.6:65-75 Je '63.

Review of S.M.Rapoport's book "Medical biochemistry" (in German). N.K.Sviridov. Lab.delo no.4:253-254 '64.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref.zhur.: Biol.khim. nos.9-10 My '64.

BIOCHEMISTRY—CONGRESSES

Fifth International Biochemical Congress. O.P. Chepynoha. Ukr.biokhim.zhur. 34 no.1:158 '62.

BIOLOGICAL RESEARCH

Measures for the further development of biological science and the strengthening of its relation to life. Izv. AN SSSR.Ser.biol. no.2:161-166 Mr-Ap '63.

BIOLOGY

Biological studies at the Annual Assembly of the Departments of the Academy of Sciences of the U.S.S.R. V.G.Kocherezhkin. Izv.AN SSSR.Ser.biol. no.3:482-489 My-Je '64.

Biology and the intensification of agriculture. Izv.AN SSSR.Ser.biol. no.3:337-340 My-Je '64.

Raise the standard of the science of biology. Zdrav. Kazakh. 23 no.4:3-5 '63.

Strengthen the ties between chemistry and biological science. Usp.sovr.biol. 57 no.1:3-10 Ja-F '64.

Towards new progress in the science of biology. Zhur. mikrobiol., epid.i immun. 40 no.4:3-5 Ap '63.

BIOLOGY—ABSTRACTS

[Biology] Ref.zhur.: Biol. no.11 Je '64.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PERIODICALS see subdivision under Slovakia

BIOMEDICAL ENGINEERING—CONGRESSES

International Conference on the Development of Biomedical Electronics, held at Liege. V.A.Kozhevnikov. Vest.AN SSSR 34 no.1:70-73 Ja '64.

BIOMETRY

Genes, V.S. [Tables of significant differences between groups of observations according to qualitative indices; a manual on the statistical analysis of the results of observations and experiments in medicine and biology] Tablitsy dostovernykh razlichii mezhdu gruppami nabliudenii po kachestvennym pokazateliam; posobie po statisticheskoi obrabotke rezul'tatov nabliudenii i opytov v meditsine i biologii. [Moskva] Meditsina, 1964. 79 p.
(DNLM)

BIONICS
(see also subdivision under Ukraine)

The psychic image as a signal. L.M.Vekker. Vop.filos. 18 no.3:140-150 '64.

Simulation of processes in neuron networks. O.H.Ivakhnenko. Avtomatyka 9 no.2:82-88 '64.

Some problems of bionics. V.V.Parin. Priroda 53 no.5:20-25 '64.

Systems and information. W.Ross Ashby. Vop.filos. 18 no.3:78-86 '64.

BIOSYNTHESIS

Biosynthesis of acetylcholine in the nervous and other tissue of insects [with summary in English]. S.E. Severin, Liu Shu-son' [Liu Shu-sên]. Biokhimiia 27 no.6:1085-1091 N-D '62.

Biosynthesis of phytol in the dark by green barley plants [with summary in English]. A.A.Shlyk, E.M.[illegible]skaia. Biokhimiia 27 no.6:994-1002 N-D '62.

"Biosynthesis of protein" by M.F.Gulyi. Reviewed by S.M.Merezhinskii. Usp.sovr.biol. 56 no.3:466-467 '63.

Development in institutions of the Academy of Sciences of the Ukrainian S.S.R. scientific research on the microbiological synthesis of proteins and biologically active substances of petroleum origin. Dop.AN URSR no.3:415-416 '64.

Specificity in the biosynthesis of silk fibroin. IU.B. Filippovich, N.N.Beliaeva. Dokl.AN SSSR 155 no.2:468-469 Mr '64.

BIOTELEMETRY

Dynamic biotelemetry. V.V.Rozenblat. Usp.sovr.biol. 56 no.3:341-364 '63.

BIOTITE—OPTICAL PROPERTIES see subdivision under Kolyvan' Range

BIPHENYL

Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene [with summary in English]. V.D.Bezuglyi and others. Vysokom.soed. 6 no.1:125-130 Ja '64.

Polarographic control of some intermediate stages in the synthesis of monomers [with summary in English]. V.D. Bezuglyi and others. Zhur.anal.khim. 18 no.3:[illegible] 306 Mr '63.

BIRCH see subdivision under Kaluga Province

BIRDS see subdivision under Teletskoye, Lake region; Ukraine

BIRDS—EGGS AND NESTS see subdivision under Karakum

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRDS—FOOD

Materials on the food habits of the long-eared owl. M.Karaev. Trudy Turk.sel'khoz.inst. 11 no.2:[illegible] 111 '62.

BIRDS—MIGRATION see subdivision under Russia, Northern

BIRDS, FOSSIL

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU.A.Orlov. Moskva, Izd-vo "Nauka,"
[Vol.12] [Amphibians, reptiles, and birds] Zemnovodnye, presmykaiushchiesia i ptitsy. Otv. red. toma A.K.Rozhdestvenskii, L.P.Tatarinov. 1964. 721 p.

BIRDS AS CARRIERS OF DISEASE see subdivision under Soviet Central Asia

BISHOP'S-WEED

Quantitative determination of active substances in the seeds of Ammi majus L. A.V.Ananichev, P.M.Loshkarev. Med.prom. 17 no.9:36-38 S '63.

BISMUTH—ANALYSIS

Determination of bismuth in cast iron by a photometric or a complexometric method with xylenol orange [with summary in English]. A.A.Amsheeva, D.V. Bezuglyi. Zhur.anal.khim. 19 no.1:97-101 '64.

Polarographic determination of copper and bismuth when both are present. P.P.Turov. Trudy KTIPP no.27: 96-101 '63.

BISMUTH COMPOUNDS

Phase analysis of ferromolybdenum production dusts for bismuth compounds. N.A.Filippova, V.A.Korosteleva. Zav.lab. 30 no.5:518-522 '64.

BISMUTH FERRATES

Weak ferromagnetism of $BiFeO_3$. V.M.IUdin. Izv.AN SSSR.Ser.fiz. 28 no.3:451-453 Mr '64.

BISON, FOSSIL

Some interesting finds of primitive bisons (Bison priscus Boj.) in the U.S.S.R. I.I.Sokolov. Biul.Kom.chetv. per. no.28:24-32 '63.

BITING MIDGES see subdivision under Chulym Valley; Ob' Valley; Transcaucasia

BITUMEN

(see also subdivision under Valeny region; Yarega Oil Field)

Hard bitumens in uranium-bearing veins. B.V.Brodin, IU.M.Dymkov. Atom.energ. 16 no.5:432-437 My '64.

Rudenskaia, I.M. [Petroleum bitumens; chemical composition, colloidal structure, and production methods] Neftianye bitumy; khimicheskii sostav, kolloidnaia struktura, svoistva i sposoby proizvodstva. [Moskva] Rosvuzizdat, 1963. 40 p.

Shreiber, B.P. [Bituminization in underground construction] Bitumizatsiia v podzemnom stroitel'stve. 2. izd. Moskva, Izd-vo "Nedra," 1964. 278 p.

BITUMEN—GEOLOGY see subdivision under Transbaikalia

BITUMINOUS PAVEMENTS see Pavements, Bituminous

BIYA VALLEY—SOILS—CLASSIFICATION

Soils of the Biya Valley. V.M.Ostroumov. Izv.Alt.otd. Geog.ob-va SSSR no.1:53-63 '61.

BLACK BODY

Erroneous method of excluding the true temperature in studying the degree of blackness of materials. V.IU. Voskresenskii. Teplofiz.vys.temp. 1 no.2:177-181 S-O '63.

BLACK SEA—DIFFUSION

Horizontal turbulent diffusion in the coastal zone of the Black Sea. V.I.Zats. Okeanologiia 4 no.2:249-257 '64.

BLACK SEA—FISHING BOATS

Mechanized unit for the reception of fish from fishing vessels at sea. V.K.Chernyi, M.F.Kutsenko. Ryb. khoz. 40 no.3:35-36 '64.

BLACK SEA—FLATFISHES

A "dethroned" endemic of the ichthyofauna of the Black Sea. I.I.Puzanov. Vop.ikht. 4 no.1:190-191 '64.

BLACK SEA—LARVAE—FISHES

Intensity of metabolism and the speed of movements of the larvae of some Black Sea fishes. V.V.Ivlev. Vop. ikht. 4 no.1:118-124 '64.

BLACK SEA—MANGANESE

Accumulation of manganese in the waters of hydrogen sulfide basins as revealed by a study in the Black Sea. B.A.Skopintsev, T.P.Popova. Trudy GIN no.97:165-181 '63.

BLACK SEA—MARINE MICROBIOLOGY

Bacterial flora of shrimps [with summary in English]. K.I.Sur'ianinova. Mikrobiol.zhur. 25 no.1:41-43 '63.

BLACK SEA—OCEANOGRAPHY

Convective-turbulent heat exchange of the Black Sea with the atmosphere. E.N.Al'tman. Sbor.rab.GMO CHAM no.1:70-76 '62.

Horizontal turbulent diffusion in the coastal zone of the Black Sea. V.I.Zats. Okeanologiia 4 no.2:249-257 '64.

Macroclimatic role of the Black Sea. E.V.Solianklin. Okeanologiia 4 no.2:258-264 '64.

BLACK SEA—PLANKTON

Some biochemical aspects of a comparative studying of the plankton of the Sea of Azov and the Black and Caspian Seas. Z.A.Vinogradova. Okeanologiia 4 no.2: 232-242 '64.

BLACK SEA—SAUREL

Relationship between large and small horse mackerel of the Black Sea. R.S.Shaverdov. Vop.ikht. 4 no.1: 82-91 '64.

BLACK SEA—SHRIMPS

Bacterial flora of shrimps [with summary in English]. K.I.Sur'ianinova. Mikrobiol.zhur. 25 no.1:41-43 '63.

BLACK SEA—SUBMARINE GEOLOGY

Recent data on the crustal structure of the Black Sea trough, south of the Crimea. IU.P.Neprochnov and others. Dokl.AN SSSR 156 no.3:561-564 '64.

BLACK SEA—ZOOPLANKTON

Effect of acoustic oscillations on some representatives of the zooplankton of the Black Sea. N.V.Lebedev and others. Nauch.dokl.vys.shkoly; biol.nauki no.2:94-96 '64.

BLACK SEA ECONOMIC REGION

Pribyl'skii, I.S. [The Black Sea Economic Region] Chernomorskii ekonomicheskii. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 146 p.

BLACK SEA REGION—CIVILIZATION, GREEK

Influence of classical culture on the countries of the northern Black Sea region. V.D.Blavatskii. Sov. arkheol. 8 no.2:13-26 '64.

BLACK SEA REGION—PALYNOLOGY

Palynological characteristics of Maikop sediments in the northern part of the eastern Black Sea region (Ukrainian S.S.R.). V.V.Korallova. Sov.geol. 7 no.4:119-125 Ap '64.

BLACKFLIES see subdivision under Tomsk Province

BLADDER—INNERVATION

Adaptation of bladder mechanoreceptors. N.A.Adamovich. Dokl.AN SSSR 155 no.3:707-710 Mr '64.

BLADDER—SURGERY

Experimental reconstruction of the urinary bladder with an open intestinal segment. M.F.Polianichko. Eksper. khir.i anest. 7 no.4:45-50 Jl-Ag '62.

BLADES

Differential equations for the temperature state of air-cooled blade and methods for their solution. A.G.Zenukov. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:96-104 '64.

BLAST FURNACES

Certain characteristics of the fusion of the charge mixture. A.P.Varshavskii. Stal' 23 no.3:219-222 Mr '64.

Evaluating the effect of various methods of charging a blast furnace on the state of the gas flow in its upper part. L.A.Lepikhin. Stal' 23 no.3:198-204 Mr '64.

Investigating volumetric irregularity in the distribution of materials in the small bell receiving funnel in various capacity blast furnaces. G.I.Fedorenko. Izv.vys. ucheb.zav.; chern.met. 7 no.4:26-30 '64.

BLAST FURNACES—COMBUSTION

Investigating combustion processes in furnace hearths. I.M.Galemin and others. Stal' 23 no.3:204-207 Mr '64.

BLAST FURNACES—DESIGN AND CONSTRUCTION

Causes for the wear and disintegration of protective linings on blast furnace tops. I.M.Galemin. Stal' 23 no.3:210 Mr '64.

Investigating regularities of the gas flow and the wear of coupled parts in blast furnace charging arrangements. V.M.Grebenik and others. Izv.vys.ucheb.zav.; chern. met. 7 no.4:182-185 '64.

Precast reinforced concrete skip wells for blast furnaces. E.V.Klimenko, V.A.Dmitrichenko. Sbor.nauch.trud. KGRI 18:22-28 '62.

Selecting the optimum kinetic energy of the blast and avoiding the burning-up of the tuyeres at the Karaganda Metallurgical Plant. V.A.Dolmatov, A.B.Glovatskii, V.I.Khavkin. Stal' 23 no.3:207-210 Mr '64.

BLAST FURNACES—EQUIPMENT AND SUPPLIES

Automatic control of coke weight charged into a blast furnace. V.G.Ul'man, A.G.Tishchenko, E.E.Boreiko. Avtom.i prib. no.1:7-9 Ja-Mr '64.

Determining the pressure acting on the piston of a clay gun. M.Z.Levin, V.IA.Sedush. Izv.vys.ucheb.zav.; chern.met. 7 no.4:164-171 '64.

Fanning the small fraction in blast furnace hearths. G.I.Fedorenko. Stal' 23 no.3:211-212 Mr '64.

BLASTING

Blaster is an important occupation. V.Korovainyi. Nar.khoz.Kazakh. 22 no.4:75 Ap '64.

Control of ground swelling by means of underground explosion charges. S.D.Sonin, I.L.Cherniak, IU.G. Miasnikov. Ugol' 38 no.12:38-39 D '63.

Demolishing the upper part of a smokestack by blasting. G.I.Plakhov, V.M.Ratner. Mont.i spets.rab.v stroi. 26 no.4:13-14 Ap '64.

Drukovanyi, M.F., and others. [Blasting high benches] Vzryvanie vysokikh ustupov. Moskva, Izd-vo "Nedra," 1964. 105 p.

Effect of certain factors on the quality of the shattering of rocks crushed in a "press". V.Senuk, G.I.Kostiuk. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:93-96 '63.

Improving the technology of boring and blasting operations in coal mines. P.A.Donov. Ugol' 39 no.3:24-25 Mr '64.

Investigating the method of chemical neutralization of poison gases during blasting operations conducted in Kuznetsk Basin mines. V.IA.Al'perovich, A.D.Markov, E.M.Aksenova. Nauch.soob.VostNII no.3:57-64 '63.

Readers' response to the article by M.A.Magoichenkov and V.N.Diadik "Technical and operational data certificate for boring and blasting operations in coal seams."; Ugol', 1962, No.12. Podstavkin and others. Ugol' 39 no.3:64-65 Mr '64.

Stressed state of the massif and character of its fracturing under the effect of two elongated charges. F.I. Kucheriavyi. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:99-103 '63.

Studying the efficiency of using water screens and normalization of their operation. L.IA.Likhachev, I.P.Belonogov, V.I.Vasil'ev. Nauch.soob.VostNII no.3:80-82 '63.

Ventilation of through workings after blasting operations. Lu Go-zhun [Lu K'uo-jung]. Izv.vys.ucheb.zav.; gor. zhur. 6 no.12:31-38 '63.

BLASTING—MODELS

Method of laboratory investigation of the transportation of ores by the force of explosion. A.V.Beldin. Nauch. soob.IGD 22:108-116 '63.

BLASTING—SAFETY REGULATIONS

[Unified safety regulations in blasting operations] Edinye pravila bezopasnosti pri vzryvnykh rabotakh. 4. izd. s prilozheniem dopolnenii i izmenenii, vnesennykh Gosgortekhnadzorami soiuznykh respublik. Moskva, Gosgortekhizdat, 1963. 294 p.

BLEACHING

Effect of chlorine bleaching on the waxlike substances and lignin of vegetable fibers. V.M.Bel'tsov, A.A. Kharkharov. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:97-102 '64.

BLOOD

Measurement of the temperature of arterial and venous blood in man. V.M.Leonov. Lab.delo no.4:245-247 '64.

BLOOD—AGGLUTINATION

Agglutination and hemagglutination reactions in the diagnosis of colibacillary intestinal diseases in children [with summary in English]. L.A.Chuprova. Vop.okh. mat.i det. 7 no.6:5-10 Je '62.

Determination of the diagnostic importance of hemagglutination reaction with washings from persons vaccinated with a type B, strain KRI vaccine cultivated in tissues of human embryos. A.N.Lozhkina. Vop.med.virus. no.5 pt.2:67-70 '58.

Different sensitivity of human and chicken erythrocytes to the action of nonspecific hemagglutination inhibitors. V.M.Stakhanova. Vop.med.virus. no.5 pt.2:77-80 '58.

Study of the soluble antigens of Flexner's bacilli in hemagglutination reactions [with summary in English]. E.A. El'chinova, Z.M.Andreeva. Zhur.mikrobiol.,epid.i immun. 40 no.4:87-92 Ap '63.

BLOOD—ANALYSIS AND CHEMISTRY

Amino nitrogen of the blood serum in lead poisoning. V.N.Afonova, A.I.Moshchenko. Nauch.trudy Riaz. med.inst. 15:3-5 '62.

Blood mucopolysaccharides in cancer of the gastrointestinal tract. V.K.Kukhta. Zdrav.Bel 9 no.6:10-12 Je '63.

Change in the amylase content of the blood of animals during intoxication with cadmium compounds. I.V. Shcherbakova, S.A.Pokrovskii, N.V.Titova. Nauch. trudy Riaz.med.inst. 15:118-121 '62.

Content of sialic acid in the blood serum of healthy persons. A.L.Varshamov. Lab.delo no.4:208-210 '64.

Copper content in the blood and urine of patients with psoriasis and lupus erythematosus. Z.Zh.Gudé, N.I. Tumasheva. Vest.derm.i ven. 37 no.4:37-39 Ap '63.

Cytochemistry of the blood glycogen in mammals after a single total-body X-ray irradiation [with summary in English]. A.L.Shabadash, IU.B.Kheifets. Arkh.anat., gist.i embr. 43 no.12:29-35 D '62.

Determination of bilirubin by the trichloroacetic acid reaction. L.L.Gromashevskaia, Z.P.Gette. Lab. delo 9 no.4:26-28 Ap '63.

Determination of blood cholesterol by the Levchenko method. K.R.Sedov, G.I.Derevianko, P.M.IAverbaum. Lab.delo 9 no.4:28-30 Ap '63.

BLOOD—ANALYSIS AND CHEMISTRY (Continued)

[illegible] concentration of curral in the blood [illegible] by the use of paper discs [illegible] administration. G. M. Oganes. [illegible] '64.

[illegible] of cholesterol and phospholipids in a [illegible]. M. N. Markova, A. A. Pokrovskii. [illegible] 3:147-171 '64.

[illegible] of determining lipoproteins in the [illegible] Botkin's disease. L. L. Delianure. [illegible] 141-145 '64.

[illegible] arterial pressure, diuresis and [illegible] (quantity of water, chlorine [illegible]) in dogs following a water [illegible]. IU. V. Khlyuin. Nauch. trudy Riaz. med. inst. [illegible] '62.

[illegible] of a hypertonic urea [illegible]. M. M. Prokopalov, S. I. Lipavskii. [illegible] 27 no. 5:51-53 S-O '63.

[illegible] on the activity of blood enzymes [illegible]. K. I. Gorodilova. Trudy Stavr. sel'khoz. inst. [illegible] '62.

[illegible] determination of the proteins and lipids [illegible] in parturients and newborn infants [illegible] in toxicoses. G. V. Fevraleva. [illegible]:47-47 N-D '62.

[illegible] determination of 11-hydroxycorticosteroids in human blood plasma [with summary in English]. IA. [illegible], E. Silin', I. Vitols. Vop. med. khim. 8 no. 6:[illegible] N-D '62.

[illegible] for the determination of cobalt content in [illegible]. A. D. Z[illegible], L. I. Mel'son. Lab. delo [illegible] Ap '63.

[illegible] of examining the lipolytic activity of the [illegible] urine and duodenal contents. V. A. Pro-[illegible], N. G. P[illegible]. Lab. delo no. 5:258-261 '64.

Micromethod of determining alcohol in the blood. A. I. Krasnova, IU. I. Vishniak, Sh. K. Kamolov. Lab. delo 8 no. 9:52-55 S '62.

Relation between the changes in the activity of glutamic-aspartic aminopherase in the blood and morphological [illegible] of the liver parenchyma in different forms of cholecystitis [with summary in English]. B. S. Kaplanskii. Khirurgiia 39 no. 6:[illegible]-53 Je '63.

Review of G. I. Burchinskii's book "Erythrocyte sedimentation reaction." P. A. Podrabinek. Lab. delo no. 3: 1[illegible] '64.

Sodium, potassium and water content of the blood serum and muscle tissue following adrenalectomy and subsequent hormone therapy [with summary in English]. V. I. [illegible]. Ukr. biokhim. zhur. 35 no. 1:113-119 '63.

Study on the insecticidal properties of butadione and some data on its content in the blood serum and in [illegible]. Report No. 2 [with summary in English]. I. A. [illegible] and others. Zhur. mikrobiol., epid. i immun. 40 no. 9:54-57 S '63.

Use of steroid hormones in the acute period of a closed craniocerebral trauma. E. M. Boeva and others. Zhur. nevr. i psikh. 64 no. 3:350-355 '64.

BLOOD—CIRCULATION

Blood circulation under conditions of weightlessness. I. I. Kas'ian, V. I. Kopanev, V. I. IAzdovskii. Izv. AN SSSR. Ser. biol. no. 3:352-368 My-Je '64.

Changes in some hemodynamic factors under the influence of immersion intestinal baths. K. R. Sedov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:230-233 My-Je '63.

Insufficiency of the anastomosis in segmental plastic surgery of the thoracic of the esophagus; experimental research [with summary in English]. R. A. Rozhakov, V. V. Denisov. Khirurgiia 39 no. 6:48-56 Je '63.

Materials on a critical evaluation of some methods of a functional investigation of blood circulation and respiration. E. I. Belov. Sbor. nauch. rab. IAr. med. inst. no. 20:127-140 '59.

Oxyhemographic determination of blood circulation time. G. N. Akzhigitov. Khirurgiia no. 1:106-109 '63.

BLOOD—CIRCULATION, ARTIFICIAL

Change in the oxidation-reduction processes in the combination of extracorporeal blood circulation and moderate hypothermia. G. M. Kerimov, M. IA. Khodas. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:95-106 '63.

Isolated artificial circulation and deep hypothermia of the brain. T. M. Darbinian, V. F. Portnoi, R. A. Zubareva. Eksper. khir. i anest. 7 no. 4:73-80 Jl-Ag '62.

Open-heart surgery with selective cerebral hypothermia. P. K. Sen and others. Eksper. khir. i anest. 8 no. 4:55-59 Jl-Ag '63.

BLOOD—CIRCULATION, DISORDERS OF

Abstracts of articles received by the editors. Ortop., travm. i protez. 24 no. 10:74-75 O '63.

Adenosinetriphosphoric acid deficiency in the myocardium of patients with rheumatic heart defects and circulation insufficiency. N. A. Ardamatskii. Nauch. trudy Riaz. med. inst. 14:190-194 '63.

Compensation of hemodynamic and hematologic disorders in the surgical treatment of lung diseases. I. I. Grishel'. Zdrav. Bel. 9 no. 6:21-25 Je '63.

Effect of diet with low sodium content on the dynamics of body weight and urinary excretion of sodium and chlorine in patients with circulatory insufficiency [with summary in English]. V. S. Karpysheva, G. S. Chudnovskii. Vop. pit. 21 no. 6:17-22 N-D '62.

Some indices of the functional state of the adrenal cortex in patients with rheumatic heart defects and circulation insufficiency. N. A. Ardamatskii. Nauch. trudy Riaz. med. inst. 14:181-189 '63.

BLOOD—COAGULATION

Blood coagulogram and its significance for the diagnosis of thromboembolic states. N. I. Bgantsev, V. V. Novosel'skaia. Khirurgiia no. 1:101-105 '63.

Changes in the coagulation and anticoagulation system of the blood associated with surgical interventions. V. M. Panchenko. Khirurgiia 39 no. 6:76-85 Je '63.

Dynamic investigation of some blood coagulation components in hypertension and atherosclerosis. R. Arykova. Zdrav. Kazakh. 23 no. 4:32-36 '63.

Effect of magnesium sulfate and dimedrol on the rate of blood coagulation and on arterial pressure following experimental hypoprothrombinemia. G. V. Kochetkova. Nauch. trudy SamMI 21:213-219 '62.

Effect of vitamin E on lipoids and blood coagulability in patients with atherosclerosis [with summary in English]. IU. P. Nikitin. Vop. pit. 21 no. 6:22-27 N-D '62.

Examination of blood coagulation in mitral stenosis patients before, during and after surgery. E. P. Kyo. Khirurgiia no. 1:27-34 '63.

Liver and blood coagulation. Kh. D. Lomazova. Usp. sovr. biol. 56 no. 3:418-430 '63.

Method of heat coagulation of blood plasma in the diagnosis of malignant tumors. V. V. Alpatov, IA. P. Obel'nitskii. Lab. delo 9 no. 4:8-11 Ap '63.

Preapoplectic states and therapeutic measures for them. V. A. Smirnov. Zhur. nevr. i psikh. 64 no. 2:180-185 '64.

Role of erythrocytes in the blood coagulation process. B. I. Kuznik. Usp. sovr. biol. 56 no. 2:180-196 S-O '63.

Significance of the thromboplastin generation test in the clinical aspects of hemorrhagic states. E. P. Ivanov. Zdrav. Bel. 9 no. 6:38-42 Je '63.

Simple method of determining the blood coagulation time. M. I. Ibragimova. Lab. delo no. 4:245 '64.

State of some indices of the blood coagulation system in children with Botkin's disease. A. IU. Lemberanskaia. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:93-96 '63.

BLOOD—COLLECTION AND PRESERVATION

Accelerated method of determination of the fibrinolytic activity of cadaveric blood for the selection of a preservation method. S. A. Lazarevskii, I. V. Saburova. Lab. delo 9 no. 4:46-48 Ap '63.

Effect of ionizing radiation on the stability of the hemoglobin of preserved blood. L. S. Bova. Med. rad. 8 no. 5:75-77 My '63.

Obtaining blood and nonhemolytic serum from small laboratory animals and dogs. L. N. Surodeikina. Lab. delo no. 3:183-185 '64.

BLOOD—DISEASES

Clinical manifestations of cryoglobulinemia. G. E. Shinskii. Vest. derm. i ven. 37 no. 4:32-36 Ap '63.

"Surgery in diseases of the blood system" by D. M. Grozdov, M. D. Patsiora. Reviewed by A. T. Lidskii. Khirurgiia 39 no. 6:138-141 Je '63.

BLOOD—OXYGEN CONTENT

Oxyhemographic determination of blood circulation time. G. N. Akzhigitov. Khirurgiia no. 1:106-109 '63.

Oxyhemography in patients with pulmonary tuberculosis during and after the resection of different portions of the lung tissue. A. Khusinov. Nauch. trudy SamMI 21: 137-139 '62.

BLOOD—TRANSFUSION

Blood transfusion in treating atrophic liver cirrhosis. G. A. Pkhakadze. Eksper. khir. i anest. 7 no. 4:27-29 Jl-Ag '62.

Complications following intra-arterial blood transfusion. I. B. Teitel'baum. Vest. khir. 90 no. 5:137-138 My '63.

Some data on pathogenetic therapy of rickets. K. A. Sviatkina. Pediatriia 42 no. 9:48-51 S '63.

Study of the possibility of changing the inherited characters in hens by the transfusion of heterogenous blood [with summary in English]. A. F. Opol's'kyi. Dop. AN URSR no. 2:261-263 '64.

BLOOD AS FOOD OR MEDICINE

Clinical aspects and treatment of glossalgia with plasmol. V. A. Petrov. Trudy TSIU 64:56-59 '63.

BLOOD-BRAIN BARRIER see Hematoencephalic barrier

BLOOD CELLS

Data on fluorescent examination of blood cells and bone marrow in healthy persons. G. P. Molotilova. Lab. delo no. 5:259-263 '64.

Hematological indices in a healthy subject. E. D. G[illegible]berg and others. Lab. delo 8 no. 9:3-5 S '62.

Observations on the state of the white blood cells in acute disorders of cerebral blood circulation. [illegible] Kartasheva. Lab. delo no. 3:133-135 '64.

BLOOD DONORS

Electrophoretic examination of protein fractions in the blood serum of donors. IU. M. Levanov. Zdrav. Kazakh. 22 no. 10:45-47 '62.

BLOOD GROUPS

Compatibility of blood in hens. A. F. Opol's'kyi. Dop. AN URSR no. 3:399-400 '64.

Methylation of the blood group substance A. V. A. Derevitskaia, G. S. Kikot', N. K. Kochetkov. Izv. AN SSSR. Ser. khim. no. 4:761-763 Ap '64.

Simultaneous method of determining the blood groups and Rhesus factor in a drop of blood taken from the finger. Z. F. Vasil'eva. Lab. delo 8 no. 9:5-9 S '62.

BLOOD PLASMA

Simplified method for determining the relations between erythrocytes and plasma in the blood. V. A. [illegible]. Lab. delo 8 no. 7:16-17 Jl '62.

BLOOD PLASMA SUBSTITUTES

Biological evaluation of the characteristics of [illegible] protein blood substitutes with highly denatured proteins. B. A. Sevost'ianov. Trudy VNIIMI no. [illegible] '62.

BLOOD PLATELETS

Effect of some vegetative poisons and mediators and nervous excitation on the thrombocyte level and [illegible] thrombin time in sheep. F. A. [illegible]. [illegible] fiziol. AN Kazakh. SSR 5:151-153 '63.

Rapid method for staining thrombocytes and reticulocytes. A. D. Kulikova. Lab. delo 8 no. 7:17-18 Jl '62.

Simultaneous staining of blood reticulocytes and thrombocytes. R. Alimov. Lab. delo 9 no. 4:44-45 Ap '63.

BLOOD PRESSURE

Correlation of arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU. V. Khlyuin. Nauch. trudy Riaz. med. inst. 15:153-156 '62.

Effect of ephedrine and caffeine on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU. V. Khlyuin. Nauch. trudy Riaz. med. inst. 15:156-158 '62.

Effect of ephedrine on arterial pressure, diuresis and the composition of blood (quantity of water, chlorine and the hematocritic index) in dogs following a water and salt intake. IU. V. Khlyuin. Nauch. trudy Riaz. med. inst. 15:161-164 '62.

Effect of sodium nitrite and pituitrin on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU. V. Khlyuin. Nauch. trudy Riaz. med. inst. 15:159-160 '62.

State of vascular tone and arterial pressure according to the oscillographic data in patients with bone and joint tuberculosis. R. R. Guliev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:117-126 '63.

Venous and arterial pressure in tuberculosis patients following antibacterial and surgical treatment. A. A. Sharapov. Zdrav. Turk. 8 no. 1:3-8 Ja '64.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEINS

Blood serum protein fractions in eczema and neurodermatitis [with summary in English]. G. P. Tret'iak[illegible]. Vest. derm. i ven. 37 no. 5:16-20 My '63.

Change in the blood protein fractions during the treatment of rheumatic fever. E. A. Mozenchuk and others. Zdrav. Kazakh. 23 no. 4:28-32 '63.

Change in the protein fractions of the blood serum of sheep in experimental infectious polyarthritis. I. A. Farzaliev, IA. IU. Babaev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:107-114 '63.

Comparison of the iodine test with the content of blood serum protein fractions. V. P. Kessel'. Lab. delo 9 no. 4:30-33 Ap '63.

Correlation of the indices of serum proteins with clinical symptoms and data on morphological changes in the liver in some of its lesions [with summaries in Tajik and English]. S. A. Amindzhanov. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:130-151 '62.

Determining protein fractions in the blood serum by a rapid method. S. A. Karpiuk. Lab. delo 8 no. 7:33-34 Jl '62.

Effect of some physicochemical factors on C-reactive protein. M. P. Pashinin, V. F. Mukhin. Lab. delo no. 5:283-285 '64.

Electrophoretic examination of protein fractions in the blood serum of donors. IU. M. Levanov. Zdrav. Kazakh. 22 no. 10:45-47 '62.

Electrophoretic examination of the proteins in the blood serum of donors of different age groups. F. M. TSukerova. Lab. delo 8 no. 9:40-42 S '62.

Electrophoretic protein formula in rheumatic fever treated with steroid hormones. A. A. Nizov. Nauch. trudy Riaz. med. inst. 14:170-172 '63.

BLOOD PROTEINS (Continued)

Electrophoretic protein formula of the blood and its dynamics in the treatment of so-called major collagen diseases with steroid hormones. A.A.Nizov. Nauch. trudy Riaz.med.inst. 14:173-175 '63.

Electrophoretic protein formula of the blood in patients with rheumatoid polyarthritis in the process of treatment with cortisone. A.A.Nizov. Nauch.trudy Riaz. med.inst. 14:176-180 '63.

Electrophoretic study of the serum proteins in viral influenza A2 [with summary in English]. I.K.Musabaev, D.M.Guseva. Zhur.mikrobiol.,epid.i immun. 40 no.4:38-43 Ap '63.

Incorporation of methionine -S^{35} in tissue and serum proteins of A-avitaminotic rats on a low-protein diet [with summary in English]. A.A.Dusheiko. Ukr. biokhim.zhur. 34 no.1:65-69 '62.

Physicochemical properties of the serum proteins of rabbits with Brown-Pearce carcinoma [with summary in English]. V.P.Korotkoruchko, G.P.Fedorova. Ukr.biokhim.zhur. 34 no.1:23-31 '62.

Polarographic activity of serum proteins in acute radiation sickness and the preventive administration of propyl gallate [with summary in English]. V.A. Barabol, S.A.Bershtein. Ukr.biokhim.zhur. 34 no.1: 32-30 '62.

Preparation of an antiserum for the determination of C-reactive protein. T.A.Danilova, S.S.Akop'iants. Lab.delo no.5:280-283 '64.

Serum protein fractions in sensitized rabbits (in the dynamics of Arthus' phenomenon) and the influence of ACTH exerted on them. K.S.Suleimanov. Nauch.trudy SamMI 21:140-151 '62.

Some factors influencing the accuracy of determining blood protein fractions by the method of paper electrophoresis. N.L.Aslanian. Lab.delo no.4:213-217 '64.

State of blood proteins in brucellosis. V.A.Guzeeva. Zdrav.Kazakh. 22 no.10:40-44 '62.

State of blood serum proteins following surgery for diseases of the stomach and esophagus [with summary in English]. B.M.Orlnovskii. Khirurgiia 39 no.6: 85-89 Je '63.

Technique of analyzing blood protein fractions by paper electrophoresis. V.F.Zhalko-Titarenko. Lab.delo no.4:216-219 '64.

Total protein and its fractions in the blood serum of sheep during pregnancy. A.IU.Kozhakhmetova. Trudy Inst.fiziol.AN Kazakh.SSR 5:144-150 '63.

BLOOD SUGAR

Changes in the interoceptive metabolic reflexes from the vagina at different stages of the sexual cycle [in Azerbaijani with summary in Russian]. V.A.Efendieva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk. no.12:89-94 '61.

Characteristics of the dynamics of unconditioned interoceptive metabolic reflex in puppies during early ontogenesis. Sh.K.Tagiev, N.D.Ibragimova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:111-115 '63.

Effect of protein and carbohydrate food test samples on glycemia in diabetes mellitus [with summary in English]. K.M.Prostiakov. Vop.pit. 21 no.6:3-10 N-D '62.

General sugar content in the blood of a chimpanzee. T.F. Komarova, L.A.Firsov. Dokl.AN SSSR 155 no.2:486-488 Mr '64.

Interrelationship between the lactose of milk and the glucose of blood in lactating sheep. A.V.Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 5:129-132 '63.

Orientation method for the determination of blood sugar. V.N.Tolstov, K.N.Tolstov. Zdrav.Kazakh. 22 no.10: 75-76 '62.

BLOOD VESSELS

Effect of aminazine on the vessels of the extremities and the liver of frogs with an increased tone of the vascular wall. L.A.Lobova. Nauch.trudy Riaz.med.inst. 15: 63-65 '62.

BLOOD VESSELS—DISEASES

Treatment of obliterating vascular diseases with anticoagulants. V.P.Kotel'nikov. Nauch.trudy Riaz.med. inst. 15:210-213 '62.

BLOOD VESSELS—SURGERY

Device for external determination of internal sizes of the blood vessels. I.L.Ioffe. Khirurgiia no.1:136-137 '63.

Krakovskii, N.I., and P.N.Mazaev. [Angiography in surgery on the vessels of the extremities and the neck] Angiografiia v khirurgii sosudov konechnostei i shei. Moskva, Meditsina, 1964. 287 p.
(DNLM)

Model for transplanting the thyroid gland on an arterial and venous stem. V.G.Teriaev. Eksper.khir.i anest. 8 no.4:40-49 Jl-Ag '63.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Izd-vo "Meditsina."
Vol.10. Petrovskii, B.V., and G.A.Rikhter, eds. [Surgery on the peripheral nerves and vessels] Khirurgiia perifericheskikh nervov i sosudov. 1964. 726 p.
(DNLM)

Surgical restoration of decreasing functional activity of the sex glands under experimental conditions. I.F. Zhordania, O.A.Gotsiridze. Eksper.khir.i anest. 8 no.5:50-54 Jl-Ag '63.

BLOOD VESSELS—TRANSPLANTATION

New technique of plastic surgery in inferior vena cava defect. F.Sh.Sharafislamov. Khirurgiia no.1:40-42 '63.

BLOOD VOLUME

Determining the volume of the circulating blood and its constants in patients with peptic ulcers. A.V.Spynu. Zdravookhranenie 7 no.1:43-45 Ja-F '64.

Micromethod for the determination of blood volume in laboratory animals. S.A.Glants, V.V.Shevchuk. Lab. delo 9 no.4:49 Ap '63.

BOARDING SCHOOLS

(see also subdivision under Sormov, Gorky Province)

Training of organizers in boarding schools. V.Korotov. Nar.obr. no.5:113-114 My '64.

BOARDING SCHOOLS—SANITARY AFFAIRS

Grombakh, S.M., ed. [Hygienic problems of boarding schools] Gigienicheskie voprosy shkoly-internata. Moskva, Izd-vo "Meditsina," 1964. 256 p. (Biblioteka sanitarnogo vracha)

BOATS AND BOATING—HANDBOOKS, MANUALS, ETC.

Sapozhnikov, E.N., V.N.Rodionov, and G.M. Garashchenko. [Manual for an amateur navigator] Posobie sudovoditeliu-liubiteliu. Izd-2., perer. i dop. Kiev, Izd-vo "Tekhnika," 1964. 277 p.

BOBRUYSK (MOGILEV PROVINCE)—INTESTINES—DISEASES

Methods for decreasing acute intestinal diseases. A.N. Bakalov, E.S.Mostyko, Z.M.Polivoda. Zdrav.Bel. 9 no.6:66-68 Je '63.

BOBRUYSK (MOGILEV PROVINCE)—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Introducing the repairing of cars by units and zones. IA.Gaba. Avt.transp. 42 no.5:23-24 My '64.

BODY FLUIDS

Determination of neuraminic acid in biological fluids and tissues. I.V.TSvetkova. Lab.delo no.4:210-213 '64.

Trilonometric determination of calcium and magnesium in the cerebrospinal fluid and other biological fluids. N.V.Siudmak, M.I.Gultur, E.M.Khudoshina. Lab.delo 8 no.9:55-50 S '62.

BODY TEMPERATURE

Measurement of the temperature of arterial and venous blood in man. V.M.Leonov. Lab.delo no.4:245-247 '64.

Skin temperature asymmetry. Report No.1: Skin temperature asymmetry in healthy animals. E.I.Kuznetsov. Sbor.nauch.rab.IAr.med.inst. no.20:29-35 '59.

Skin temperature asymmetry. Report No.2: Changes in the skin temperature in limited injuries of the cerebral cortex. E.I.Kuznetsov. Sbor.nauch.rab.IAr.med.inst. no.20:36-45 '59.

Skin temperature asymmetry. Report No.3: Effect of a limited injury of the cerebral cortex in the region of the musculocutaneous analysor on the asymmetry of skin temperature following unilateral sympathectomy. E.I. Kuznetsov. Sbor.nauch.rab.IAr.med.inst. no.20:46-55 '59.

Structural temperature of living tissues. N.A.Mal'tsev. Dokl.AN SSSR 156 no.3:695-697 '64.

BODY TEMPERATURE—REGULATION

Functional disorders of the nervous system in patients with secondary eruptions (allergids, microbids). V.A. Khilkov. Vest.derm.i ven. 37 no.4:26-32 Ap '63.

Heat exchange during sun baths. G.A.Ushveridze, M.N. Dgebuadze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:69-77 '63.

Method of determining thermal comfort during sun baths. G.A.Ushveridze, M.I.Dgebuadze. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:237-242 My-Je '63.

BOGDANOV, ALEKSANDR ALEKSEEVICH, 1874-1939

V.I.Lenin and the Proletkult. L.F.Denisova. Vop. filos. 18 no.4:49-59 '64.

BOGDANOVA, TAINARA

Career of an artist. A.Konigsberg. Sov.muz. 27 no.11:74-78 N '63.

BOGOR, INDONESIA—BOTANICAL GARDENS

Hortus Botanicus Bogoriensis in Indonesia. N.E.Kabanov. Biul.Glav.bot.sada no.48:112-120 '63.

BOGS see Swamps

BOHEMIA—LAND TENURE

"Research on the agrarian history of Bohemia; from the 14th to the early 15th century" by B.T.Rubtsov. Reviewed by IU.F.Ivanov. Vop.ist. 39 no.5:133-136 My '64.

BOILERS

Automatic control boards for DKVR boiler units. Prom. energ. 19 no.4:62-63 Ap '64.

Block-type high-pressure steam generator with natural circulation for an industrial thermal electric power plant. B.F.Glukhov. Energ.i elektrotekh.prom. no.1:11-14 Ja-Mr '64.

Chistovich, S.A., and S.IA.Shkliarevskaia. [Installation and operation of gas-operated automated heating boiler rooms] Montazh i ekspluatatsiia avtomatizirovannykh otopitel'nykh kotel'nykh na gaze. Leningrad, Nedra, 1964. 85 p. (Biblioteka mastera gazovogo khoziaistva)

Choice of optimum steam parameters of large condensing blocks. A.E.Gel'tman and others. Teploenergetika 11 no.1:15-22 Ja '64.

Contamination of the water walls of the furnaces of boilers with small evaporative capacity operating on natural gas. V.P.Artem'ev. Izv.vys.ucheb.zav.; energ. 7 no.1: 105-110 Ja '64.

Conversion of industrial boilers to operation on natural gas. L.B.Kontorer. Prom.energ. 19 no.2:24-26 F '64.

Determination of actual stresses in the steam lines of a 200 Mw. block. V.M.Vigak, S.V.Fal'kovskii. Teploenergetika 11 no.1:22-27 Ja '64.

Development of defects in the metal of thermal power equipment during its operation. N.V.Bugai, V.V. Ivanov. Energ.i elektrotekh.prom. no.1:48-50 Ja-Mr '64.

Effect of the inequality of heat flow on deposits in steam generating pipes. T.Kh.Margulova. Teploenergetika 11 no.1:43-45 Ja '64.

Experience in decreasing heat losses in scavenging water. K.M.Abdullaev, M.A.Falkovskii. Prom.energ. 19 no.2:30-32 F '64.

Fifth year of the seven year plan and problems confronting the workers of the power machinery industry. Energomashinostroenie 9 no.3:1-2 Mr '63.

General automatic control of boiler houses. E.N. Tikhomirov. Gaz.delo no.11:19-24 '63.

Method for the thermal calculation of regenerative air preheaters of boiler units. I.E.Dubovskii, V.K.Migai, V.S.Nazarenko. Energomashinostroenie 9 no.3:47-48 Mr '63.

New developments in the construction of power machinery. N.V.Golovanov. Energomashinostroenie 9 no.3:46 Mr '63.

Operation of boilers with liquid slag removal systems. L.G.Madoian, P.I.Salimon, A.A.Madoian. Energ.i elektrotekh.prom. no.1:8-10 Ja-Mr '64.

Prevention of erosion wear of the nozzles of ash collectors. V.P.Alekseev. Energetik 11 no.12:17 D '63.

Prevention of leakage from the welded joints of high pressure heaters. I.I.Korol'kov. Energetik 11 no.12:11-13 D '63.

Programming of the start operations of a 300 Mw. block with a control computer. V.K.Glukhov, M.N.Sidorov, IU.I.Korol'kov. Energomashinostroenie 9 no.3:3-6 Mr '63.

Radial steam distribution in an ascending turbulent water and steam flow. I.V.Kazin. Teploenergetika 11 no.1:40-43 Ja '64.

Some problems confronting the boiler industry. P.IA. Tiurin, E.P.Serov. Teploenergetika 11 no.1:2-7 Ja '64.

Steam superheater for DKV and DKVR boilers. M.G. Gershtein, P.I.Sokolov. Prom.energ. 19 no.4:29-30 Ap '64.

Stresses in the drum of a TP-80 boiler during its firing. D.P.Elizarov, L.A.Fedorovich, S.IAsin. Teploenergetika 11 no.1:28-32 Ja '64.

Study of the control system of a once-through type boiler-turbine unit with subcritical steam parameters. V.A.Dement'ev, A.IA.Frenkel', IU.B.Ovsiannikov. Teploenergetika 11 no.5:6-11 My '64.

Study of the zone and magnitude of deposits in a boiler with supercritical parameters. E.P.Dik, I.I.Nadyrov, N.N.Man'kina. Teploenergetika 11 no.1:46-49 Ja '64.

Water cycle norms of once-through type boilers. A.P. Mamet, IU.O.Novi, V.A.Taratuta. Teploenergetika 11 no.1:91-92 Ja '64.

BOILERS—EQUIPMENT AND SUPPLIES

Blast and draft machines for boiler systems. Prom. energ. 19 no.2:64 F '64.

Improvement of a flue gas pump system. V.A.Tusevich and others. Energomashinostroenie 9 no.3:36-39 Mr '63.

Projection indicator with an increased scale for media pressure indications. T.P.Regentov, A.I.Kopin. Energetik 11 no.12:14-15 D '63.

BOILERS—FIRING

Pneumatic mechanical fuel feeder for steam boilers. S.A.Margulis, A.A.Smirnov. Bum.prom. no.4:23-25 Ap '64.

BOILERS—MAINTENANCE AND REPAIR

[illegible], N. V. [Repair of auxiliary equipment of [illegible] electric power plants] Remont [illegible] kotel'nykh tsekhov [illegible] Moskva, Izd-vo "Energiia," 1964 [illegible] p.

BOILERS—PATENTS

[illegible] no. 1:75-77 [illegible]

BOILERS, MARINE

[illegible] of marine engine [illegible] A. K. [illegible] Inform. [illegible] ekspl. mor. flota no. 20:24- [illegible]

[illegible] reliability of boiler air preheaters on [illegible]." B. S. Karandashov, [illegible] Tekh. ekspl. mor. flota [illegible]

[illegible], L. G. [Accidents in marine boiler plants] Avarii [illegible] kotel'nykh ustanovok. Moskva, Izd-vo [illegible], 1964. 159 p.

[illegible] operation of marine boilers. Kh. [illegible] no. 1:45-46 D '63.

[illegible] boilers. V. L. Balakh. [illegible] 47-4[illegible] Mr '64.

BOILING POINTS

[illegible] of height of the boiling point of massecuite. [illegible], M. L. Vaisman. Izv. vys. ucheb. zav.; [illegible] no. 2:12[illegible]-130 '64.

BOLOMETER

[illegible] bolometers for measuring energy losses [illegible] L. L. Gerelis, V. V. Sinitsyn. Zhur. tekh. fiz. [illegible] Mr '64.

BOL'SHEZEMEL'SKAYA TUNDRA—LAKES

[illegible] lakes in the Bol'shezemel'skaya Tundra. [illegible], M. V. Getsen, V. K. Isl'iurova. Dokl. AN [illegible] Mr '64.

BOL'SHIYE BEREZNIKI DISTRICT—OBSTETRICS

[illegible] organization of obstetric aid in the [illegible] District of the Mordvinian A.S.S.R. [illegible] Kaz. med. zhur. no. 6:57-58 N-D '62.

BOLTINSKII, VASILII NIKOLAEVICH, 1904?-

[illegible] Mekh. i elek. sots. sel'khoz. [illegible] 1:13-14 '64.

BOLTS AND NUTS

[illegible] the bolt area and internal rigidity of compressed parts in a tight bolted joint. B. S. TSfas, [illegible] Sbor. dokl. Stud. nauch. ob-va Fak. mekh. [illegible] sel'khoz. inst. no. 1:95-103 '62.

[illegible] of the derivation of Professor I. I. Bobarykov's [illegible] for the calculation of a tight bolted joint. B. S. TSfas, V. V. Kirichenko. Sbor. dokl. Stud. [illegible] Fak. mekh. sel'khoz. Kuib. sel'khoz. inst. [illegible] '62.

BOLTS AND NUTS—TESTING

Determining resulting stresses in a tight bolted joint [illegible] the bolt quality of compressed parts of this joint. B. S. TSfas, V. F. Eres'ko. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'khoz. Kuib. sel'khoz. inst. no. 1: [illegible] '62.

Effect of the technology of production and the assymetry of loading cycle on the cyclic strength and durability of bolted joints. B. I. Aleksandrov, F. P. Vasilets. Vest. mashinostr. 44 no. 4:33-36 Ap '64.

BONDS, CHEMICAL see Chemical bonds

BONE GRAFTING

Improved method of myoplasty in the treatment of pseudarthrosis of the tibia. T. A. Revenko. Ortop., travm. i protez. 24 no. 10:69-71 O '63.

BONES

Effect of different quantities of manganese in the food of white rats on the growth and development of bones. L. I. Kulikova. Vop. pit. 21 no. 5:47-52 S-O '62.

Incorporation of glycine -C^{14} in the protein of teeth and bones of rats in postnatal ontogenesis [with summary in English]. E. P. Podorozhna, V. M. Konovets'. Ukr. biokhim. zhur. 34 no. 1:70-80 '62.

Osteological differences between the common hedgehog (Erinaceus europaeus L.) and the long-eared hedgehog (Hemiechinus brachyotis Sat.) [in Azerbaijani with summary in Russian]. S. A. Zaidova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 12:39-46 '61.

Some enzyme-substrate systems in the process of regeneration of the bony tissue. B. S. Kasavina and others. Eksper. khir. i anest. 7 no. 4:56-63 Jl-Ag '62.

BONES—CANCER

X-ray diagnosis of cancerous caries. T. I. Klimkovich. Zdrav. Bel. 9 no. 6:7-9 Je '63.

BONES—DISEASES
(see also subdivision under Murmansk; Russia, Northern)

Differential diagnosis and treatment of some forms of rickets-like diseases in children [with summary in English]. E. M. Fateeva and others. Pediatriia 42 no. 9:69-74 S '63.

Dynamics of X-ray characteristics of bone and joint lesions in brucellosis. S. B. Ablakulova. Nauch. trudy SamMI 21:23-29 '62.

Role of the age factor in the development of trophic disorders in the bones. F. A. Mazov. Sbor. nauch. rab. IAr. med. inst. no. 21:41-47 '59.

Two cases of osteopoikilosis. M. A. Aliev and others. Zdrav. Kazakh. 23 no. 4:74-75 '63.

BONES—RADIOGRAPHY

Dynamics of X-ray characteristics of bone and joint lesions in brucellosis. S. B. Ablakulova. Nauch. trudy SamMI 21:23-29 '62.

X-ray diagnosis of bone hemangiomas. E. I. Astakhova. Ortop., travm. i protez. 24 no. 10:51-54 O '63.

BONES—TUBERCULOSIS

Abstracts of articles received by the editors. Ortop., travm. i protez. 24 no. 10:74-75 O '63.

Incidence of bone and joint tuberculosis in Samarkand Province in relation to the incidence of pulmonary tuberculosis among the population. A. A. Gevorkov. Nauch. trudy SamMI 21:20-22 '62.

Late results of antibacterial therapy of osteoarticular tuberculosis in children. K. M. Maskeev. Zdrav. Kazakh. 23 no. 4:53-56 '63.

State of vascular tone and arterial pressure according to the oscillographic data in patients with bone and joint tuberculosis. R. R. Guliev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:117-126 '63.

BONES—TUMORS

X-ray diagnosis of bone hemangiomas. E. I. Astakhova. Ortop., travm. i protez. 24 no. 10:51-54 O '63.

BONES—WOUNDS AND INJURIES

Immediate microscopy of bone injuries in a medicolegal examination of the corpse. Kh. M. Murtazaev. Nauch. trudy SamMI 21:115-117 '62.

BONUS SYSTEM

Improve the bonus system on state farms. B. Zhamishev. Ekon. sel'khoz. 35 no. 4:102-104 Ap '64.

Material incentives for improving the quality of work in housing and civil engineering. N. Frumkina. Ekon. stroi. no. 3:43-46 Mr '64.

BOOKBINDING

[Technology of printing in two books] Tekhnologiia poligraficheskogo proizvodstva v dvukh knigakh. Moskva, "Kniga."
Book 2. Aleksandrova, M. I., and I. N. Shapiro. [Printing and the stitching and binding processes] Pechatnye i broshiurovochno-perepletnye protsessy. Pod red. P. A. Popriadukhina. 1964. 323 p.

BOOKS—HISTORY

On the occasion of the 400th anniversary of book printing in Russia. A. A. Zav'ialov. Khleb. i kond. prom. 8 no. 3:1-3 Mr '64.

BOOKS—REVIEWS

Brief notes on books. Nov. mir 40 no. 3:276-286 Mr '64.

[Chronicle of reviews] Let. rets. no. 2 '64.

BOOKS AND READING

Books teach us to think and feel. N. Kargin. Nar. obr. no. 5:59-62 My '64.

Do you know how to read? N. Petrova. Bibliotekar' no. 5:60 My '64.

BOOKSELLERS AND BOOKSELLING
(see also subdivision under Uzbekistan)

Kogol'man, A. O. [In a book-stand; from work experience] V knizhnom kioske; iz opyta raboty. Moskva, Izd-vo "Iskusstvo," 1964. 52 p.

Kopchenov, S. V. [Book distribution store] Knizhnyi sklad. Izd. 2., perer. i dop. Moskva, "Iskusstvo," 1962. 78 p.

BOOLEAN FUNCTIONS

Minimization of indecomposable Boolean functions by the approximate functional decomposition method. G. B. Tumanian. Dokl. AN SSSR 156 no. 3:525-526 '64.

Synthesis of logical nets in incomplete and degenerate bases. E. I. Nechiporuk. Dokl. AN SSSR 155 no. 2: 299-301 Mr '64.

BOOT AND SHOE INDUSTRY see Shoe industry

BOOTS AND SHOES

Design and standardization of the shape of flat counters. IU. P. Zybin, V. E. Kareva. Kozh.-obuv. prom. 6 no. 2:28-32 F '64.

Present-day requirements for heels. K. I. Chistova, V. E. Kareva. Kozh.-obuv. prom. 6 no. 4:2[illegible]-31 Ap '64.

BOOTS AND SHOES—TESTING

Bases of the calculation of the flexural rigidity of footwear; report given at the 2d International Congress of the Representatives of the Leather and Shoe Industry in Budapest. V. N. TSvetkov. Nauch. trudy MTILP no. 26: 146-157 '62.

BOOTS AND SHOES, RUBBER

Use of granular rubber mixtures for the manufacture of rubber footwear with textile fabric uppers. A. A. [illegible], A. V. Zaklíakova. Kauch. i rez. 23 no. 3:3[illegible] Mr '64.

BORANENKOV, NIKOLAI EGOROVICH

Manly and courageous people. K. Zhekhova. [illegible] 44 no. 22:27 N '62.

BORATES

Borates in the chemistry of polyhydroxy compounds. IA. IA. Makarov-Zemlianskii, V. V. Maltavkin. Nauch. trudy MTILP no. 26:27-34 '62.

New type of endogenetic boric mineralization and [illegible] problems of the genesis of borates in hydrothermal process. S. V. Malinko. Geol. rud. mestorozh. [illegible] no. 6:9-17 N-D '63.

BORDER PATROLS

Communists in border patrols. I. Barankov. Part. zhizn' Kazakh. 34 no. 1:56-59 Ja '64.

BORIC ACID

Use of boric acid esters as antioxidants for polymeric materials. E. I. Rozantsev, L. A. Krinitskaia, [illegible] Troitskaia. Khim. prom. no. 3:180-183 Mr '64.

BORING

Determining the total hole drilling footage. I. O. [illegible] Trudy TSNIIPodzemshakhtstroia no. [illegible]

Efficiency of rock drilling. Sh. I. Ibraev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:115-119 '63.

Improving the technology of boring and blasting operations in coal mines. P. A. Donov. Ugol' 39 no. [illegible] 25 Mr '64.

Investigation for the purpose of determining the [illegible] of advance boreholes while mining development workings on seams presenting a danger of sudden outbursts of coal and gas. O. I. Chernov, E. S. Rozantsev. [illegible] soob. VostNII no. 3:71-79 no. 3:71-79 '63.

Optimal angle of incidence of a gas jet with the stope surface during jet piercing. A. F. Brichkin, V. I. [illegible], A. N. Gonbach. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:88-92 '63.

Readers' response to the article by M. A. Magolchenko and V. N. Diadik "Technical and operational data certificate for boring and blasting operations in coal seams."; Ugol', 1962, No. 12. Podstavkin and others. Ugol' 39 no. 3:64-65 Mr '64.

Respublikanskoe soveshchanie po preduprezhdeniiu i bor'be s oslozhneniiami v burenii i obmenu opytom po tekhnike i tekhnologii prokhodki skvazhin. 1962. [Equipment and technology of drilling wells; transactions] Tekhnika i tekhnologiia bureniia skvazhin; trudy. Pod red. M. G. Zherdova, S. G. Galustova i V. D. Shashina. Moskva, Izd-vo "Nedra," 1964. 236 p.

Ways of raising the coefficient of the utilization of boreholes during mining operations in hard rock. F. F. Skubin. Trudy TSNIIPodzemshakhtstroia no. [illegible]:110-120 '63.

BORING—EQUIPMENT AND SUPPLIES

Apparatus for studying the jet flame of jet piercing equipment. A. V. Brichkin, P. A. Shamin. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:179-180 '64.

Basis of indices and the comparative scale of resistivity of some rocks to piercing with jet torches. A. N. Moskalev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1: 91-96 '64.

Creation of a bore hoisting machine on the basis of the UP-3 machine. O. D. Alimov, V. Z. Dozmarov. Ugol' 38 no. 12:57 D '63.

BORING MACHINERY

Bazhutin, A. N., and others. [Mechanization of lowering and hoisting operations in exploratory core drilling] Mekhanizatsii spusko-pod"emnykh operatsii v razvedochnom kolonkovom burenii. Moskva, Izd-vo "Nedra," 1964. 110 p.

Effect of the feed force on the speed of drilling with the BU-1 machine. G. E. Zvanskii. Shakht. stroi. 7 no. 12: 19-21 D '63.

Illarionova, T. M., and A. I. Kirsanov. [New developments in air drilling techniques abroad] Novoe v zarubezhnoi tekhnike dlia bureniia s produvkoi vozdukhom. Moskva, Izd-vo "Nedra," 1964. 62 p.

Kinematic calculation of the driving gear for the working part of a boring machine. A. V. Vyshinskii. Trudy TSNIIPodzemshakhtstroia no. 2:56-60 '63.

New unit for underwater drilling. O. V. Kol'man. Okeanologiia 4 no. 2:361 '64.

BORING MACHINERY (Continued)

Rock breaking forces [illegible] boring process. I.V.Dvornik. [illegible]

[illegible] for [illegible] performance. A.B.Ves[illegible] [illegible] '63.

[illegible]

BORING MACHINERY—PNEUMATIC DRIVE

[illegible]

BORING MACHINERY—STANDARDS

[illegible]

BORING MACHINERY—TESTING

[illegible]

[illegible]

[illegible]

BORINGS

[illegible]

BORINGS—ANALYSIS

[illegible]

BOROHYDRIDES

[illegible]

BORON

[illegible]

BORON—ANALYSIS

[illegible]

[illegible]

BORON COMPOUNDS

[illegible]

BORON HYDRIDES

[illegible]

[illegible]

BORON ORGANIC COMPOUNDS

[illegible]

[illegible]

[illegible]

BORON CHLORIDE

[illegible]

BOTANICAL CHEMISTRY

[illegible]

BOTANICAL GARDENS
(See also subdivision under [illegible], [illegible]; [illegible], [illegible] [illegible])

[illegible] on Botanical Gardens of the U.S.S.R. [illegible]

BOTANICAL RESEARCH see subdivision under Baltic States; Ukraine

BOTANICAL SOCIETIES
(see also subdivision under White Russia)

[illegible] front of Soviet botany; third session of the All-Union Botanical Society. P.M.Zhukovskii, A.A.Fedorov. Vest.AN SSSR 33 no.1:[illegible] Ja '63.

BOTANY
(see also subdivision under Bogolak region, Novosibirsk Province; Donets Valley; Soviet Central Asia; Streletskaya Steppe Preserve)

[illegible] on Water Deficiency in Plants. N.A.Gusev. Vest.AN SSSR 33 no.1:[illegible] Ja '63.

BOTANY—ANATOMY

Anatomic structure of the pith of Phlomis pungens Willd. (with summary in English). [illegible] Bot.zhur. [illegible] '63.

[illegible]

[illegible]

[illegible]

[illegible] data on the comparative anatomy of [illegible] species of [illegible] growing under different ecological conditions. [illegible]

BOTANY—CLASSIFICATION

[illegible]

BOTANY—CYTOLOGY

[illegible]

BOTANY—DICTIONARIES

[illegible] Azerbaijani-Russian [illegible] 1963. [illegible] p. [illegible]

BOTANY—EMBRYOLOGY

[illegible]

[illegible]

[illegible]

BOTANY—MORPHOLOGY

[illegible]

BOTANY—NOMENCLATURE

[illegible]

BOTANY—VARIATION

[illegible]

[illegible] the variability of the spring wheat [illegible] [illegible] Agrobiologiia [illegible]

[illegible] Agrobiologiia [illegible]

BOTANY, MEDICAL
(see also subdivision under Alma-Ata Province; [illegible]; Moldavia)

Experience in the use of [illegible] [illegible] '63.

[illegible] a new medicinal plant. [illegible] '63.

Review of the book "Medicinal plant raw material in the [illegible]." A.A.Dolgova, E.IA.Ladyzhenskaia. Apt.delo [illegible] '63.

BOTTLING MACHINERY see subdivision under Denmark

BOULDERS see subdivision under Ladoga Lake region

BOUNDARIES

Recognition procedures concerning state boundaries [illegible] of the Second World War. [illegible] '63.

BOUNDARY LAYER

Determination of profile resistance. [illegible] Dokl.AN SSSR [illegible] '63.

Thermal screen in a turbulent boundary layer of gas. [illegible] Kutateladze, A.I.Leont'ev. Teplofiz.vys.temp. 1 no.2:281-290 S-O '63.

BOUNDARY PATROLS see Border patrols

BOUNDARY VALUE PROBLEMS

Analysis of large deviations in boundary value problems with arbitrary boundaries. Part 1. A.A.Borovkov. Sib.mat.zhur. [illegible] Mr-Ap '64.

Applicability of the drift method (with summary in English). [illegible] Dop.AN URSR [illegible] '64.

Approximate solution of the Dirichlet problem for [illegible] equation. [illegible] Dokl.AN SSSR [illegible] Ap '64.

Axisymmetric mixed problem in the theory of elasticity for a transversally isotropic cylinder. A.I.[illegible] Izv.vys.ucheb.zav.; mat. no.1:[illegible] '64.

Cauchy problem in the large for nonlinear equations and certain first-order quasilinear systems with several variables. [illegible] Dokl.AN SSSR [illegible] Ap '64.

A certain class of nonselfadjoint boundary value problems. [illegible] Dokl.AN SSSR [illegible] '64.

Determining the type of Chaplygin solutions to the Cauchy problem for a quasi-linear first order partial differential equation. [illegible] Mat.sbor. [illegible] '64.

[illegible] the estimates of the error involved in solution by the method of differences of the Dirichlet problem for the Laplace equation on [illegible] Dokl.AN SSSR [illegible] Ap '64.

[illegible] of the method of differences for [illegible] elliptic equations. [illegible] Vest.[illegible] '64.

[illegible] boundary value problems for a class of hypoelliptic equations. [illegible] Mat.sbor. [illegible] '64.

[illegible] boundary value problem for certain differential equations with [illegible] coefficients. [illegible] Dokl.AN SSSR [illegible] '64.

[illegible] boundary value problem for elliptic equations [illegible] Dokl.AN SSSR [illegible] '64.

[illegible] boundary value problem [illegible] elliptic equation. [illegible] Dokl.AN SSSR [illegible] Ap '64.

[illegible] boundary value problem [illegible] differential [illegible] systems. [illegible] Dokl.AN SSSR [illegible] '64.

[illegible] problems for certain hyperbolic systems. [illegible] Dop.AN URSR [illegible] '64.

[illegible] boundary value problem of [illegible] the [illegible] field for a [illegible] space. [illegible] Vest.[illegible] '64.

[illegible] Dokl.AN SSSR [illegible] '64.

[illegible] (English) [illegible] Dop.AN URSR [illegible] '64.

Solution of [illegible] problems by the method of differences (with summary in English). [illegible] Dop.AN URSR [illegible] '64.

Use of interpolation polynomials in the approximate solution of boundary value problems. [illegible] Dop.AN URSR [illegible] '64.

Use of the method of finite differences in solving boundary value problems on Riemann surfaces. [illegible] Dokl.AN SSSR 155 no.[illegible] '64.

BRACHIOPODA, FOSSIL see subdivision under Crimean Mountains; Darvaza Range; Pechora Basin

BRAHMAN MYTHOLOGY see Mythology, Hindu

BRAIN

Ammonia-glutamic acid-glutamine system in the rat brain during the development of extracerebral malignant neoplasms (with summary in English). A.V.Roginskaia. [illegible] '63.

Brain and psyche. A.N.Leont'ev. Vop.filos. 17 no.[illegible] '63.

Brain and the mechanism of its evolution in vertebrates. [illegible] Nikitenko. Usp.sovr.biol. 55 no.[illegible] '63.

Change in the rhythmicity of the neurons of the reticular formation in transverse [illegible]. O.G.Gazenko and others. Dokl.AN SSSR 155 no.[illegible] Ap '64.

Changes in the brain and spinal cord of rabbits under the influence of therapeutic doses of [illegible]. L.I.Prisazhnyi. Nauch.trudy Riaz.med.inst. [illegible] '62.

"A cerebral atlas for the study of conduction paths in the brain and the spinal cord" by [illegible] Lavrov. Reviewed by I.D.Lev. Arkh.anat.,gist.i embr. [illegible] no.[illegible] D '63.

Conditioned change of biochemical processes in the brain. M.G.[illegible] Nauch.trudy Riaz.med.inst. [illegible] '62.

BRAIN (Continued)

Effect of [illegible] on the metabolism of the glutamine amide group and protein amide groups in the rabbit brain [with summary in English]. IA.T. Terlets'ka, A.V. Palladin, O.V. Pysarevych. Ukr. biokhim. zhur. 35 no.5:737-745 '63.

Effect of [illegible] on the developing brain. P.R. Ku-[illegible]. Dokl. AN SSSR 155 no.1:230-232 My '64.

Effect of thermal burns on the content of copper in brain tissue [with summary in English]. V.R. Soroka. Vop. med. khim. 8 no.6:609-611 N-D '62.

Effect of total ionizing irradiation on the plasmalogen content of the brain [with summary in English]. M.N. [illegible]. Ukr. biokhim. zhur. 35 no.1:99-103 '63.

[illegible] system and reticular formation of the brain. IU.M. [illegible]. Usp. sovr. biol. 57 no.1:143-158 Ja-F '64.

Enzymatic synthesis of glucosamine in the brain during [illegible] [with summary in English]. Z.G. Bronovitskaia, Z.S. Gershenovich. Ukr. biokhim. zhur. 34 no.1:51-53 '62.

Fractionation of soluble brain proteins [with summary in English]. N.M. Poliakova, V.K. Lishko. Ukr. biokhim. zhur. 34 no.1:10-22 '62.

Glycogen fractions in various divisions of the central nervous system [with summary in English]. B.I. Khaikina. Ukr. biokhim. zhur. 34 no.1:104-107 '62.

International conference dedicated to the centennial of the publication of I.M. Sechenov's book "Reflexes of the brain." M.S. Zalkind, M.S. Myslobodskii. Izv. AN SSSR. Ser. biol. no.3:474-479 My-Je '64.

Isolation of nucleic acids from the brain by the phenol method [with summary in English]. V.I. Kocherha, L.H. [illegible]. Ukr. biokhim. zhur. 34 no.1:40-46 '62.

Open-heart surgery with selective cerebral hypothermia. P.K. Sen and others. Eksper. khir. i anest. 8 no.4:55-[illegible] Jl-Ag '63.

Purification of cerebral adenosine deaminase [with summary in English]. M.K. Malysheva. Ukr. biokhim. zhur. 35 no.5:764-771 '63.

Size and structure of the brain of some fishes as related to their way of life. M.F. Nikitenko. Vop. ikht. 4 no.1:34-44 '64.

Some data on the synaptic organization of a cortical plate of the forebrain in the tortoise. T.V. Davydova. Dokl. AN SSSR 155 no.4:970-973 Ap '64.

BRAIN—ABSCESS

Spontaneous opening of an asymptomatic otogenic abscess of the left temporal lobe of the brain. G.V. Skurkovich. Zhur. ush., nos. i gorl. bol. 23 no.6:74-75 N-D '63.

BRAIN—BLOOD SUPPLY

Afferent innervation of cerebral veins [with summary in English]. S.S. Mikhailov, I.I. Kagan, V.I. Eremenko. Vop. neirokhir. 27 no.5:7-12 S-O '63.

Experimental data on the collateral circulation in the surface vessels of the brain [with summary in English]. I.V. Gannushkina, V.P. Shafranova. Vop. neirokhir. 27 no.5:13-18 S-O '63.

Isolated artificial circulation and deep hypothermia of the brain. T.M. Darbinian, V.F. Portnoi, R.A. Zubareva. Eksper. khir. i anest. 7 no.4:73-80 Jl-Ag '62.

Origins and morphology of the sensory innervation of the cerebral arteries in some mammals. A.M. Mitrofanov. Zhur. nevr. i psikh. 64 no.2:200-204 '64.

BRAIN—CONCUSSION

Changes in the higher nervous activity and some vegetative functions in dogs following a closed trauma of the brain. K.F. Britikova. Eksper. khir. i anest. 7 no.4:3-6 Jl-Ag '62.

BRAIN—DISEASES

Anatomicopathological changes in the central nervous system in adults with rheumatic fever. T.G. Gloriozova. Nauch. trudy Riaz. med. inst. 14:137-144 '63.

Basic aspects of the problem of localization in the clinical aspects of cerebral lesions. L.B. Litvak. Zhur. nevr. i psikh. 64 no.1:27-35 '64.

Clinical characteristics of the initial stages of cerebral focal atrophic diseases in old age. V.M. Bleikher. Zhur. nevr. i psikh. 64 no.2:270-274 '64.

Morphological changes in the brain in whooping cough complicated by pneumonia [with summary in English]. N.M. Rovenskaia. Pediatriia 42 no.9:34-38 S '63.

Pathomorphological changes in the central nervous system in cases of catatonic excitation. E.E. Oksova. Sbor. nauch. rab. IAr. med. inst. no.18:117-129 '59.

Pathomorphology of the central nervous system in cases of catatonic stupor. E.E. Oksova. Sbor. nauch. rab. IAr. med. inst. no.18:105-116 '59.

Psychotic pictures observed during the course of Alzheimer's disease and Pick's disease. N.F. Shakhmatov. Zhur. nevr. i psikh. 64 no.2:265-269 '64.

Some problems of otogenic intracranial complications. A.V. Brofman. Zdrav. Kazakh. 23 no.4:22-24 '63.

BRAIN—HEMORRHAGE

Blood penetration into the cerebral ventricles. E. Fason, B. Schwartz, V. Schneider. Zhur. nevr. i psikh. 64 no.2:212-218 '64.

Brain stem compressions in extensive hemorrhage and softening of the cerebral hemispheres. O.A. Vershinin. Zhur. nevr. i psikh. 64 no.2:186-190 '64.

BRAIN—INFARCTION

P.O. Yates, E. Hutchinson. Cerebral infarction: the role of stenosis of the extracranial cerebral arteries. V.N. Shtok. Zhur. nevr. i psikh. 64 no.2:309-310 '64.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

Architectonics of the cerebral cortex and the problem of localization of functions. I.N. Filimonov. Zhur. nevr. i psikh. 64 no.1:8-17 '64.

Basic aspects of the problem of localization in the clinical aspects of cerebral lesions. L.B. Litvak. Zhur. nevr. i psikh. 64 no.1:27-35 '64.

Current problems in the localization of functions. S.A. Sarkisov. Zhur. nevr. i psikh. 64 no.1:3-7 '64.

Experimental-psychological research and the problem of localization of functions. M.S. Lebedinskii. Zhur. nevr. i psikh. 64 no.1:36-42 '64.

Experimental studies of the localization of functions within the cerebellum. A.A. Guminskii. Uch. zap. MGPI 169:205-214 '62.

Localization of functions in the animal brain in relation to the analysis of conditioned reflex activity. P.A. Kupalov. Zhur. nevr. i psikh. 64 no.1:18-26 '64.

Problem of localization and clinical psychiatry. A.L. Abashev-Konstantinovskii. Zhur. nevr. i psikh. 64 no.1:43-49 '64.

BRAIN—RADIOGRAPHY

Hemispheric arterial blood circulation of the brain and some compensatory vascular reactions in carotid-cavernous anastomoses. F.A. Serbinenko. Zhur. nevr. i psikh. 64 no.2:205-211 '64.

BRAIN—SOFTENING

Brain stem compressions in extensive hemorrhage and softening of the cerebral hemispheres. O.A. Vershinin. Zhur. nevr. i psikh. 64 no.2:186-190 '64.

BRAIN—SURGERY

Isolated deep hypothermia of the brain; survey of the literature. V.F. Portnoi. Eksper. khir. i anest. 7 no.4:67-73 Jl-Ag '62.

Surgical treatment of spontaneous intracerebral hemorrhages in toxemia during pregnancy. N.M. Mosiichuk. Vop. neirokhir. 27 no.5:58 S-O '63.

BRAIN—SYPHILIS

Pseudohallucination syndrome in progressive paralysis and syphilis of the brain. L.K. Khokhlov. Sbor. nauch. rab. IAr. med. inst. no.21:107-119 '59.

BRAIN—TUMORS

Change in the spectral properties of the cerebrospinal fluid in brain tumors. V.A. Del'va. Vop. neirokhir. 27 no.5:53-54 S-O '63.

Characteristics of electroencephalography in tumor lesions of subcortical ganglia [with summary in English]. O.M. Grindel', A.IA. Podgornaia. Vop. neirokhir. 27 no.5:34-39 S-O '63.

Evaluation of the disorders of rhythmic movements in tumors of the right premotor zone [with summary in English]. E.A. Bunatian, E.G. Sorkina. Vop. neirokhir. 27 no.5:43-48 S-O '63.

Experience in the diagnosis of brain tumors with the aid of a "Ural-1" universal computer. N.S. Misiuk and others. Zhur. nevr. i psikh. 64 no.3:453-458 '64.

Fields of average rates of change in the bioelectric activity of the brain in pathological processes in its frontal regions. V.V. Dubikaitis. Zhur. nevr. i psikh. 64 no.3:321-325 '64.

Homolateral symptoms in brain tumors. S.A. Grinberg. Kaz. med. zhur. no.6:58-59 N-D '62.

Importance of the diagnosis of optic paroxysms in tumors of the brain [with summary in English]. D.K. Drobnokhodov. Vop. neirokhir. 27 no.5:40-42 S-O '63.

Leningrad. Leningradskii neirokhirurgicheskii institut. [Betatron and radioactive isotopes in neurooncology; transactions] Betatron i radioaktivnye izotopy v neiroonkologii; [trudy]. Pod red. V.M. Ugriumova. Leningrad, 1962. 257 p.
(DNLM)

Review of G.P. Burgman's book "Cytology of the cerebrospinal fluid in cerebral tumors." E.A. Kost. Lab. delo no.4:254-255 '64.

BRAIN—WOUNDS AND INJURIES

Use of steroid hormones in the acute period of a closed cerebrocranial trauma. E.M. Boeva and others. Zhur. nevr. i psikh. 64 no.3:380-385 '64.

BRAINSTEM

Chubinidze, A.I. [Reticular formation of the brain; some problems of normal and pathological morphology] Retikuliarnaia formatsiia golovnogo mozga; nekotorye voprosy normal'noi i patologicheskoi morfologii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. [In Georgian]
(DNLM)

BRASSICACEAE

Studying the volatile mustard oils from the seeds of Cruciferae plants. L.N. Kharchenko. Masl.-zhir. prom. 30 no.3:14-16 Mr '64.

BRAZIL—ATOMIC ENERGY

Atomic energy in Brazil. IU. Mitiaev. Atom. energ. 16 no.4:385-386 Ap '64.

BRAZIL—HISTORY

"Outline history of Brazil." Reviewed by IU.A. [illegible], E.V. Kapskii, B.N. Komissarov. Vop. ist. 39 no.5:143-147 My '64.

BREAD

(see also subdivision under Lithuania)

Making of bread enriched with vitamins A and D_2. A.G. Beschastnov and others. Khleb. i kond. prom. 8 no.3 Mr '64.

BREAKDOWN, ELECTRIC

Retardation of a discharge due to the electric breakdown of vacuum gaps. G.M. Kassirov, B.M. Koval'chuk. Zhur. tekh. fiz. 34 no.3:404-407 Mr '64.

BREAST—CANCER

Non-contrast roentgenography in the diagnosis of breast cancer [with summary in English]. P.D. Khazov. Vest. khir. 90 no.5:52-57 My '63.

Petrov, IU.V. [Cancer of the breast; its diagnosis, clinical aspects and treatment] Rak molochnoi zhelezy; diagnostika, klinika, lechenie. [Leningrad] Meditsina, 1964. 207 p.

BREAST—DISEASES

X-ray study of diseases of the breast. P.D. Khazov. Nauch. trudy Riaz. med. inst. 15:140-153 '62.

BREAST—RADIOGRAPHY

Non-contrast roentgenography in the diagnosis of breast cancer [with summary in English]. P.D. Khazov. Vest. khir. 90 no.5:52-57 My '63.

X-ray study of diseases of the breast. P.D. Khazov. Nauch. trudy Riaz. med. inst. 15:140-153 '62.

BREAST—TUBERCULOSIS

Tuberculosis of the breast. B. IAlimov. Zdrav. Turk. 7 no.12:25-26 D '63.

BREAST FEEDING

Diet of pregnant and nursing women. E.I. Kvater, M.S. Marshak. Vop. okh. mat. i det. 7 no.6:65-70 Je '62.

BRECCIA see subdivision under Kola Peninsula

BRECHT, BERTOLT, 1898-1956

"Writing truth...." I. Rodnianskaia. Nov. mir 40 no.3:258-262 Mr '64.

BREMSSTRAHLUNG

Effect of quantum absorption on the bremsstrahlung of ultrarelativistic electrons [with summary in English]. V.M. Galitskii, V.V. IAkimets. Zhur. eksp. i teor. fiz. 46 no.3:1066-1073 Mr '64.

Theory of bremsstrahlung and pair production in a medium [with summary in English]. I.N. Toptygin. Zhur. eksp. i teor. fiz. 46 no.3:851-862 Mr '64.

BREWING

Efficient utilization of hops in brewing. A.M. Navrotskaia. Izv. vys. ucheb. zav.; pishch. tekh. no.2:65-69 '64.

BRICKS see subdivision under Sverdlovsk Province; Ukraine

BRIDGES—BIBLIOGRAPHY see Bibliography—Bridges

BRIDGES—DESIGN AND CONSTRUCTION

Transmission of construction skills. A.F. Sergeev. Transp. stroi. 13 no.11:29-30 N '63.

BRIDGES—FOUNDATIONS AND PIERS

Testing pile shells with vertical loading. S.P. Gorbatov, I.S. Mits. Transp. stroi. 13 no.11:45-47 N '63.

BRIDGES—TABLES, CALCULATIONS, ETC.

Calculation of bridges taking into account the torsion of the main beam. IA.S. Fain. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no.9:18-25 '63.

BRIDGES, CONCRETE

Fisher, G.S., and B.V. Klochkov. [Prestressed bridges of manufactured elements] Predvaritel'no napriazhennye mosty iz elementov zavodskogo izgotovleniia. Moskva, "Transport," 1964. 140 p.

BRIDGES, CONCRETE (Continued)

Lateral distribution of a temporary load in automobile bridges with a joint reinforced concrete slab. A. M. Ivanov, V. M. Lisov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 6:57-61 '63.

Polivanov, N. I. [New systems of automobile and city reinforced concrete bridges] Novye sistemy avtodorozhnykh i gorodskikh zhelezobetonnykh mostov. [Moskva] Rosavtizdat, 1963. 40 p.

BRILLIANT GREEN

[illegible] based on the conversion of [illegible] into [illegible] forming [illegible] with brilliant green. [illegible] '62.

BRIQUETS (FUEL)

[illegible] self-heating peat. [illegible] no. 8:10 Ag '63.

[illegible] the production of peat briquets. [illegible] 24 '63.

[illegible] of [illegible] briquets [illegible] '63.

BRITISH HONDURAS—INVESTMENTS, FOREIGN

Anglo-American struggle in British Honduras. [illegible] no. [illegible] My '63.

BRITISH HONDURAS—POLITICS AND GOVERNMENT

Anglo-American struggle in British Honduras. [illegible] My '63.

BRIUSOV, VALERII IAKOVLEVICH, 1873-1924

[illegible] '63.

[illegible] '63.

BROILER CHICKENS

[illegible]

BROM—PARACHUTES

[illegible] '63.

BROACHING

[illegible], N. A. [Long-hole drilling and the machining of deep openings] [illegible] Moskva, Mashinostroenie, 1964. 112 p.

BROACHING MACHINES

[illegible] '63.

BROILER INDUSTRY—FARM MECHANIZATION—DESIGN—STANDARDS

[illegible] '64.

BROILER INDUSTRY—TIME STUDY

[illegible] '64.

BROMIDES

[illegible] '63.

BROMINE

[illegible] '63.

BRONCHI

[illegible] '63.

Method of temporary unilateral exclusion of the pulmonary artery and bronchus. [illegible] no. [illegible] '63.

BRONCHI—DISEASES

Experience in treating patients with chronic inflammatory bronchopulmonary processes in relation to the sensitivity of the microflora to antibiotics. V. V. [illegible] '63.

BRONCHI—RADIOGRAPHY

Comparative evaluation of some clinical and roentgenological manifestations of congenital and acquired bronchiectasis. L. S. Tsyganova, G. L. Vol'-Epshtein. [illegible] no. [illegible]-20 '63.

Technique of bronchography. V. A. [illegible] no. [illegible] Ja '63.

BRONCHIECTASIS

Comparative evaluation of some clinical and roentgenological manifestations of congenital and acquired bronchiectasis. L. S. Tsyganova, G. L. Vol'-Epshtein. [illegible] no. [illegible]-20 '63.

Pathomorphology of the vegetative nervous system in bronchiectasis. N. K. [illegible]. [illegible] no. 10:73-74 '63.

BRONCHOSCOPY

Spontaneous passage through the thoracic wall of an aspirated foreign body in a child. L. A. [illegible] '63.

BRONZE AGE see subdivision under Armenia; Ion Valley; Trialeti (Georgia)

BRONZE FOUNDING see subdivision under China

BRONZES see subdivision under Ukraine (Transcarpathia)

BROOMCORN—DISEASES AND PESTS

[illegible] Ap '63.

BROWN, MANLIO, 1883-

[illegible] '63.

BROWN [illegible] see subdivision under Ural Mountains

BRUCELLA

Comparative study of the antigenic structure of vaccinal strains of some species of Brucella. [illegible] (with summary in English). [illegible] Ap '63.

BRUCELLOSIS

(see also subdivision under Soviet Far East)

[illegible] '63.

[illegible] '63.

BRUCELLOSIS IN CATTLE see subdivision under [illegible]

BRUSH see [illegible]

BRUSH

[illegible]

BRYANSK—TEXTILE INDUSTRY

[illegible]

BRYANSK—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[illegible], A. P. [illegible] '63.

BRYANSK PROVINCE—AVIATION AND INSPECTION

[illegible] '63.

BUBBLE CHAMBER

[illegible] '63.

BUBBLES

[illegible] '63.

BUDAPEST—HISTORICAL MUSEUMS

[illegible] of the Budapest Historical Museum. [illegible] '63.

BUDDHIST ART see Art, Buddhist

BUDDHIST SECTS

Research on the "[illegible]" by [illegible]. Reviewed by [illegible]. [illegible] '63.

BUDDING

Rhythm and the character of blossoming of some grafted on different rootstocks (in Georgian with summary in Russian). [illegible] '63.

BUDGET

Bourgeois state budget at the present-day stage of the general crisis of capitalism. [illegible]. Fin. SSSR 24 no. [illegible] Ap '63.

Utilize potentials more fully for a successful fulfillment of the R.S.F.S.R. budget. I. Fadeev. Fin. SSSR 24 no. 3:[illegible] Mr '63.

BUDS

Development of buds of the Scotch pine in Moscow Province. [illegible] no. [illegible] '63.

Formation of dormant buds in grapevines and their state in the tissues of many-year-old wood. [illegible] Agrobiologiia no. 5:[illegible] '63.

BUFFALOES—FOOD

Infusorians in the rumen of buffaloes and their digestive role. M. A. Mekhtiev, K. M. Akperov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:[illegible] '63.

BUGOTAK REGION (NOVOSIBIRSK PROVINCE)—BOTANY

Vegetation of Bugotak hills as an object of conservation. [illegible] '62.

BUILDING

All-Union public inspection of the quality of construction and the competition for best building according to standard designs. [illegible] Ap '64.

Ilovin, N. N. [Planning of assembling and special construction operations] Planirovanie montazhnykh i spetsial'nykh stroitel'nykh rabot. Moskva, Stroiizdat, 1964. 120 p.

In the State Committee for Assembly and Specialized Operations in the U.S.S.R. [illegible] Ap '64.

Oalpov, L. G., and [illegible] Iakovlev. [Principles of construction work] Osnovy stroitel'nogo dela. Moskva, Vysshaia shkola, 1962. 388 p.

BUILDING—BIBLIOGRAPHY see Bibliography—Building

BUILDING—COLD WEATHER CONDITIONS

[illegible] '63.

BUILDING—CONTRACTS AND SPECIFICATIONS

(see also subdivision under United States)

[illegible] '64.

BUILDING—DESIGN AND CONSTRUCTION

[illegible] '64.

BUILDING—DICTIONARIES

Karaev, A. [Russian-Turkmen dictionary of building terms] Russko-turkmenskii slovar' stroitel'nykh terminov. Pod red. V. [illegible]. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1960. 265 p.

BUILDING—TECHNOLOGICAL INNOVATIONS see subdivision under Ukraine

BUILDING—TOOLS AND IMPLEMENTS

[illegible] '63.

[illegible] '63.

BUILDING, IRON AND STEEL

[illegible] Ap '64.

BUILDING FITTINGS

[illegible] building fittings. [illegible] Ag '63.

BUILDING LAWS

(see also subdivision under United States)

Emergency code for the evacuation of [illegible] buildings. A. [illegible] no. 1:[illegible] Mr '64.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

(see also subdivision under Finland, Ukraine)

At the stands of the pavilion "Building materials and structural elements." [illegible] no. 4:[illegible] Ap '64.

Building ages of polymer materials. A. M. [illegible], M. A. [illegible]. [illegible] no. [illegible] Ap '64.

Conveying in opencut mining of rock products abroad. [illegible] no. [illegible] Ag '63.

Give priority to advanced and economical materials. [illegible], V. A. [illegible]. Stroi. mat. 10 no. [illegible] Ap '64.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. [illegible] '63.

In the State Committee on the Industrialization of Building Materials. [illegible] no. [illegible] Mr-Ap '64.

Mechanical properties of "siuali" slag stone. [illegible] Stroi. mat. 10 no. [illegible] Ap '64.

Moscow. Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Industrial norms for the expenditure of building materials] Proizvodstvennye normy raskhoda stroitel'nykh materialov. 3. izd. Moskva, Stroiizdat, 1961. 431 p.

BUILDING MATERIALS (Continued)

[illegible] "Materials" pavilion. Stroi. [illegible]

[illegible] U.S.S.R.) Gosudarstvennyi komitet po [illegible] [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, [illegible]

[illegible] [Building materials, parts, elements, and equipment; general part] Stroitel'nye materialy, izdeliia, konstruktsii i oborudovanie; [illegible] chast' (SNiP I-A. 1-62). 1964. 15 p.

[illegible] materials in construction. [illegible] stroi. no. 3:20-25 [illegible]

BUILDING MATERIALS—DRYING

[illegible] raw materials. I.A. [illegible] Stroi.mat. 10 no.4:25-26 [illegible]

BUILDING MATERIALS—THERMAL PROPERTIES

[illegible] of the sample in the determination of the thermal [illegible] of building materials using a steady-state [illegible] A.A.Sendetskii. Izv.vys.ucheb.zav.; energ. 7 no.4:77-79 Ap '64.

BUILDING MATERIALS—TRANSPORTATION

[illegible] of automotive rolling stock in the [illegible] industry. Avt.transp. 42 no.4:6-7 Ap '64.

We answer questions. Transp.stroi. 13 no.11:75 N '63.

BUILDING MATERIALS INDUSTRY

All efforts [illegible] go into fulfilling the decisions of the [illegible] Plenum of the Central Committee of the [illegible] Stroi.mat. 10 no.1:1-2 Ja '64.

[illegible] the plan for research work and introduction of the achievements of science and technology into construction and the building materials industry. A.T.Brukov. [illegible] 20 no.11:38-40 N '63.

From the pages of the plan for introducing new building materials. I.IA.Pastko. Stroi.mat. 10 no.1:10-12 Ja '64.

Plan for research work and the introduction of the achievements of science and technology in construction and the building materials industry during 1964-1965. [illegible] 21 no.2:2-5 F '64.

Reach the level of the growing demands of the national economy. I.A.Grishmanov. Stroi.mat. 9 no.8:1-5 Ag '63.

Requirements of industrial construction and the gypsum industry. A.V.Volzhenskii, S.S.Pechuro. Stroi.mat. 10 no.1:15-18 Ja '64.

Urgent problems of the chemicalization of production. B.G.Skramtaev. Stroi.mat. 10 no.1:3-6 Ja '64.

BUILDING MATERIALS INDUSTRY—BY-PRODUCTS

Overall mechanization of the removal of building-material wastes. I.B.Aptekman. Mekh.stroi. 21 no.4:12-14 Ap '64.

BUILDING MATERIALS INDUSTRY—FINANCE

Rekitar, IA.A. [Increasing the economic efficiency of capital investments in the building materials industry] Povyshenie ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennost' stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 217 p.

BUILDING MATERIALS PLANTS see subdivision under Ukraine

BUILDING STONES—TRANSPORTATION see subdivision under Azerbaijan

BUILDING TRADES—STUDY AND TEACHING

Inculcating progressive methods of work. A.Orlov. Prof.-tekh.obr. 21 no.4:28 Ap '64.

University of technical knowledge. IA.Sizemov. Prof.-tekh.obr. 21 no.4:30 Ap '64.

BUILDINGS, PREFABRICATED

(see also subdivision under Khabarovsk)

Spivak, N.IA. [Large-panel enclosing structures of lightweight concrete made with porous aggregates] Krupnopanel'nye ograzhdaiushchie konstruktsii iz legkikh betonov na poristykh zapolniteliakh. Moskva, Stroiizdat, 1964. 222 p.

BUKHARA PROVINCE—GAS, NATURAL

I-t-diagram for the calculation of the combustion of Bukhara natural gas in furnaces of nonoxidizing heating. G.Akbarov. Gaz.delo no.3:31-36 '64.

BUKOVINA—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

The vanished cities of Bukovina. B.A.Timoshchuk. Vop.ist. 39 no.5:213-217 My '64.

BULGARIA—ARMY—POLITICAL ACTIVITY

Ideological seasoning of officers is getting stronger. K.Peshleevskii. Komm.Vooruzh.Sil 4 no.20:81-84 O '63.

BULGARIA—COMMUNISM

The outlook for the development of a socialist governmental system in the People's Republic of Bulgaria. B.Spasov. Uch.zap.IMO no.14:23-46 '63.

BULGARIA—ELECTRIC EQUIPMENT INDUSTRY

Exhibition of Bulgarian electric equipment held in Moscow. I.M.Sanovich, L.F.Tafipol'skii. Elektrotekhnika 35 no.3:61-62 Mr '64.

BULGARIA—ENCEPHALITIS

Etiology of progressive hyperkinetic encephalitis in Bulgaria. G.Uzunov and others. Zhur.nevr.i psikh. 64 no.3:346-350 '64.

BULGARIA—POLITICS AND GOVERNMENT

The outlook for the development of a socialist governmental system in the People's Republic of Bulgaria. B.Spasov. Uch.zap.IMO no.14:23-46 '63.

BULGARIAN LANGUAGE—ADJECTIVE

Bulgarian adjective in the structural aspect. E.S. Selian. Izv.AN Arm.SSR.Obshchestv.nauki no.1:23-34 Ja '64.

BULGARIAN LANGUAGE—GRAMMAR

Predicative attributes in Bulgarian. M.G.Rozhnovskaia. Uch.zap.Inst.slav. 27:271-287 '63.

BULGARIAN STUDIES

Bulgarian studies at Odessa University for the last 100 years. M.V.Pavliuk. Pratsi Od.un. 152.Ser.filol. nauk no.15:236-243 '62.

BULLS see subdivision under White Russia

BUNT (DISEASE OF WHEAT) see Smuts

BUREAUCRACY

V.I.Lenin on bureaucratism and the struggle against it. V.I.Filatov, E.M.Filatova. Vop.filos. 18 no.4:38-48 '64.

BURMA—COMMERCE

Vasil'ev, I.V., and M.P.Mironov. [Burma; its economy and foreign trade] Birma; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 150 p.

BURMA—ECONOMIC ASSISTANCE, RUSSIAN

Urgent problems. Igor' Mozheiko. Az.i Afr.seg. 7 no.5:30-32 My '64.

BURMA—ECONOMIC CONDITIONS

"Economic development in Burma, 1950-1960" by Louis J. Walinsky. Reviewed by V.F.Vasil'ev. Nar.Az.i Afr. no.3:176-182 '64.

Urgent problems. Igor' Mozheiko. Az.i Afr.seg. 7 no.5:30-32 My '64.

Vasil'ev, I.V., and M.P.Mironov. [Burma; its economy and foreign trade] Birma; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 150 p.

BURMA—PHARMACY

Pharmacy in Burma. IU.I.Kolesnichenko. Apt.delo 11 no.5:84-86 S-O '62.

BURMA—POLITICS AND GOVERNMENT

"Burma on the eve of British conquest; her social order and state system" by M.G.Kozlova. Reviewed by V.F. Vasin. Nar.Az.i Afr. no.3:184-186 '64.

BURMA—RICE—FERTILIZERS AND MANURES

Guseinov, R.K. [Agrochemical characteristics of soils and fertilization of rice fields in Burma] Agrokhimicheskaia kharakteristika pochv i udobrenie risovykh polei Birmy. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1964. 175 p.
(DNAL)

BURMA—SOCIAL CONDITIONS

"Burma on the eve of British conquest; her social order and state system" by M.G.Kozlova. Reviewed by V.F. Vasin. Nar.Az.i Afr. no.3:184-186 '64.

BURNS AND SCALDS

Comparative characteristics of the effect on the body of a thermal lesion and removal of a large area of skin under experimental conditions. N.I.Kochetygov. Eksper.khir.i anest. 8 no.4:6-9 Jl-Ag '63.

Cybernetic method of determining the severity of the condition and prognosis in burns. A.A.Vishnevskii and others. Eksper.khir.i anest. 8 no.4:3-6 Jl-Ag '63.

Diagnosis and treatment of acute surgical diseases of abdominal organs in patients with burns [with summary in English]. A.N.Orlov. Vest.khir. 90 no.5:83-88 My '63.

Early necrectomy in extensive burns; experimental research [with summary in English]. N.I.Kochetygov. Vest.khir. 90 no.5:88-92 My '63.

Effect of thermal burns on the content of copper in brain tissue [with summary in English]. V.R.Soroka. Vop.med.khim. 8 no.6:608-611 N-D '62.

Functional characteristics of the course of burn shock in radiation sickness. V.A.Suvorov and others. Eksper. khir.i anest. 8 no.4:10-12 Jl-Ag '63.

Pathogenesis of pneumonia in burn disease; [illegible] bacterial parallels. R.L.Gel'man, R.I. [illegible] Grishina. Eksper.khir.i anest. 8 no.4:12 [illegible] '63.

Use of polymer film for local treatment of [illegible] Shraiber and others. Eksper.khir.i anest. [illegible] 63-65 Jl-Ag '62.

Vitamin B_1 (thiamine) content of tissues in [illegible] V.G.Borisov. Eksper.khir.i anest. [illegible] Ag '63.

BURYAT A.S.S.R.—AGRICULTURE—ECONOMIC ASPECTS

Filippov, V.R. [Mixed business accounting [illegible] collective farms and state farms of Buryatia] [illegible] chetnye kompleksnye brigady v kolkhozakh i [illegible] Buriatii. Ulan-Ude, Buriatskoe izd-vo, 1961. [illegible]
(MIU)

BURYAT A.S.S.R.—CONSERVATION OF NATURAL RESOURCES

Some problems of conservation in Buryatia. [illegible] lov. Okhr.prir.Sib.i Dal'.Vost. no.1:71- [illegible]

BURYAT A.S.S.R.—OLD BELIEVERS

Soviet folk songs of the Old Believers. [illegible] Sov.lit.i fol'k.Bur. no.2:168-187 '62.

BURYAT A.S.S.R.—REVOLUTION OF 1905—SONGS AND MUSIC

Revolutionary and new Soviet songs of the Bur [illegible] Tugutov. Sov.lit.i fol'k.Bur. no.2:243-252 [illegible]

BURYAT A.S.S.R.—STOCK AND STOCKBREEDING—ACCOUNTING

Alushiev, B.A. [Problems in the use of the balance sheet method in planning the development of animal husbandry in the Buryat A.S.S.R.] Voprosy [illegible] vaniia balansovogo metoda pri planirovanii [illegible] zhivotnovodstva Buriatskoi ASSR. Ulan-Ude, [illegible] skii kompleksnyi nauchno-issl. in-t, 1960. 80 p.

BURYAT A.S.S.R.—THEATER

Niadakov, V.TS. [Buryat dramatic art; history of its formation] Buriatskoe dramaticheskoe iskusstvo; [illegible] torii stanovleniia. Ulan-Ude, Buriatskoe knizhnoe [illegible] vo, 1962. 152 p.

Some remarks on the school theaters of Buryat [illegible] S.P.Baldaev. Sov.lit.i fol'k.Bur. no.2:115- [illegible]

BURYAT A.S.S.R.—VIEWS

[Buryat A.S.S.R.] Buriatskaia ASSR. Ulan-Ude, [illegible] skoe knizhnoe izd-vo, 1963. 1 v. (chiefly illus.) [illegible] Russian and Buryat]
(MH)

BURYAT DRAMA

Niadakov, V.TS. [Buryat dramatic art; history of its formation] Buriatskoe dramaticheskoe iskusstvo; [illegible] torii stanovleniia. Ulan-Ude, Buriatskoe knizhnoe [illegible] vo, 1962. 152 p.

BURYAT FOLKLORE see Folklore, Buryat

BURYAT LITERATURE—HISTORY AND CRITICISM

Prose gathers strength. TS.-A.Dugar-Nimaev. [illegible] i fol'k.Bur. no.2:34-62 '62.

The "Uligers" and Buryat literature. A.I.Ulanov. [illegible] lit.i fol'k.Bur. no.2:106-114 '62.

BURYAT POETRY—HISTORY AND CRITICISM

Basic trends in Soviet Buryat poetry. G.O.Tudenov. Sov.lit.i fol'k.Bur. no.2:3-33 '62.

Reflection of patriotism and friendship of Soviet peoples in lyric poetry; from materials of Buryat poetry [illegible] during the Great Patriotic War. I.A.Kim. Sov.lit.i fol'k.Bur. no.2:70-105 '62.

BUS CONDUCTORS (ELECTRICITY)

Study of losses in metallic objects in the magnetic field of a current conductor. E.N.Zagorovskii, IU.G.Rumiantsev. Izv.vys.ucheb.zav.; energ. 7 no.4:12-17 Ap '64.

BUSINESS CYCLES

Mendel'son, L.A. [The theory and history of economic crises and cycles] Teoriia i istoriia ekonomicheskikh krizisov i tsiklov. Moskva, "Mysl'."
Vol.3. 1964. 526 p.

BUSINESS MATHEMATICS

Svetlichnyi, V.G. [Commercial computations] Torgovye vychisleniia. Moskva, Izd-vo "Ekonomika," 1964. 190 p.

BUTADIENE

Effect of electron-donating additions on the chain microstructure in the stereospecific polymerization of butadiene in the presence of "cobalt" catalytic systems. B.S.Turov and others. Dokl.AN SSSR 155 no.4:874-875 Ap '64.

Effect of the length of the hydrocarbon chain of fatty acid soaps on the parameters of the interphase layers in butadiene-styrene latexes. V.L.Kuznetsov, A.B. Lebedev. Kauch.i rez. 23 no.3:30-33 Mr '64.

BUTADIENE (Continued)

Polydispersity of polymers of 1,1,2-trichloro-1,3-butadiene. [with summary in English]. I.A.Soboleva, A.P.Supron, S.A.Pavlova. Vysokom.soed. 6 no.1: 89-91 Ja '64.

Special features of butadiene polymerization in the presence of complex [illegible] catalysts. [illegible] Ap '64.

Viscosity and molecular weight of 1,1,2-trichloro-1,3-butadiene [with summary in English]. S.A.Pavlova, I.A. Soboleva, A.P.Supron. Vysokom.soed. 6 no.1:92-124 Ja '64.

BUTADIENE POLYMERS

[illegible]

BUTADIENE—[illegible]

[illegible]

BUTANE

[illegible]

[illegible]

BUTENE

[illegible]

BUTENONE

[illegible]

BUTTER

[illegible]

BUTTER, ARTIFICIAL see Margarine

BUTTERFLY

[illegible]

BUTYL ALCOHOL

(see also subdivision under Toxicology)

[illegible]

[illegible]

[illegible]

BUTYL PEROXIDE

[illegible]

BUTYL PHOSPHATES

[illegible]

[illegible]

BUTYNOL

[illegible] Report No. 5. Synthesis of [illegible] V. F. [illegible] Izv.AN SSSR. Ser.khim. no. [illegible] '64.

BUTYRALDEHYDE

[illegible] Report No. 3: Formation of polymers based on butyrals with [illegible] M. Tsvetkova, A. T. [illegible], L. V. [illegible]. Vys.soed.,khim. 3 no.[illegible] '64.

BUTYROLACTONE

Synthesis of arylbutyric acids. Part 1: Reactions of benzene and chlorobenzene with butyrolactone. Ch.Sh. Kadyrov. Uzb.khim.zhur. 8 no.3:[illegible] '64.

BUTYROPHENONE

[illegible] S.M.[illegible], V.I.Markov. Metod.poluch.khim.reak.i prepar. no.[illegible] '64.

Treatment of paranoid schizophrenia with haloperidol. [illegible] Zhur.nevr.i psikh. 64 no.[illegible] '64.

BUZULUK (ORENBURG PROVINCE)—CLOTHING WORKERS

The collective's spirit. A.Bondar'. Sov.profsoiuzy 20 no.7:30 Ap '64.

BYLINY

Bylina-folk consonance in the song about Ivan the Terrible and his son (or sons). L.M.Seliványy. Vest.Mosk.un. Ser.7:Filol., zhur. 19 no.2:54-66 Mr-Ap '64.

BYSTRINSKIYE MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC

Biostratigraphy of Tertiary sediments in eastern Kamchatka (southern Bystrinskiy Range). Iu.B.Gladenkov. Izv.AN SSSR.Ser.geol. 29 no.5:[illegible] My '64.

BYZANTINE EMPIRE

Armenian-Byzantine alliance against Persia in the 6th century [in Armenian with summary in Russian]. V.K. Iskandarian. Izv. [illegible] no.4:51-62 '63.

CABBAGE—FERTILIZERS AND MANURES (see also subdivision under Azerbaijan)

Use of P^{32} for studying the phosphorus uptake by early cabbage using various methods of fertilizer placement. [illegible] Dokl.AN SSSR [illegible] no.[illegible] Ja '64.

CABBAGE—VARIETIES see subdivision under Apsheron Peninsula

CABBAGEWORMS

[illegible] analysis of the wing patterns of [illegible] Ap '64.

CABINET SYSTEM see subdivision under United States

CABLES—VIBRATION

[illegible] of a string (cable) of variable [illegible] Ap '64.

CACAO

Studying the composition of the [illegible] solutions of [illegible] Mr '64.

CADAVER

[illegible] Ap '63.

CADASTERS see subdivision under Armenia

CADMIUM

[illegible] properties of cadmium [illegible] V.P.[illegible], V.P. [illegible] no.4 [illegible] Ap '64.

CADMIUM—ANALYSIS

[illegible] V.A.Proskurina, V.G.Brudz', L.I. [illegible] Metod.poluch.khim.reak.i prepar. no.8: 59-19 '63.

[illegible] prepared by the Institute of Chemical Reagents. S.M.[illegible], [illegible] Metod.poluch.khim.reak.i prepar. no.8:15-20 '63.

CADMIUM—TOXICOLOGY

[illegible] activity of blood catalase in poisoning with cadmium compounds. [illegible] Nauch.trudy Kaz.med.inst. 13: [illegible] '63.

Changes in the carbonic anhydrase activity of the blood of animals during intoxication with cadmium compounds. [illegible] Nauch.trudy Kaz.med.inst. 13:[illegible] '63.

Role of ascorbic acid and cysteine in the detoxication of the organism poisoned with cadmium chloride. I.V. [illegible] Nauch.trudy Kaz.med.inst. 13:[illegible] '63.

Role of sodium hydrosulfite in the detoxication of the organism poisoned with cadmium chloride. I.V.[illegible] Nauch.trudy Kaz.med.inst. 13:[illegible] '63.

CADMIUM BROMIDES

Density, viscosity, and specific conductivity of $CdBr_2$ solutions in acetone, water, and their mixtures. A.IA. Gorsh. Zhur.fiz.khim. 38 no.11:[illegible] N '63.

CADMIUM CHLORIDES

Thermodynamic properties of cadmium chloride in cadmium chloride melts. V.P.Mashovets, V.P. Puchkov. Zhur.prikl.khim. 37 no.4:[illegible] Ap '64.

CADMIUM COMPOUNDS

Relationship between molecular weight and intrinsic viscosity of solutions in solutions of the cadmium alkylenedithiocarbamate complex [with summary in English]. L.S.[illegible], Y.I.[illegible]. Vysokom.soed. 6 no.[illegible] My '64.

CADMIUM PLATING

Electrolytic cadmium plating from fused salts. A.V. [illegible], M.I.Rybkov. Zhur.prikl.khim. 37 no.4: [illegible] Ap '64.

CADMIUM SELENIDE

Determination of the submicrogram quantities of copper in the microsamples of cadmium selenide. Kh.Sh. Kobb, V.M.Aleshovskii. Izv.vys.ucheb.zav.;khim.i khim.tekh. 7 no.1:19-21 '64.

CADMIUM SELENITE

Heat of formation of cadmium selenite. M.M.Seliivanova, Z.L.Leshchinskaia, I.S.Strel'tsova. Zhur.fiz.khim. 37 no.3:668-670 Mr '63.

CADMIUM SULFIDE

Photosorption of oxygen on cadmium sulfide. V.A. Kotel'nikov. Dokl.AN SSSR 155 no.3:654-657 Mr '64.

CADMIUM SULFIDE CRYSTALS—SPECTRA

Electroluminescence of CdS single crystals. G.A. Vlasenko, V.P.Romanenko. Opt.i spektr. 16 no.4:643-650 Ap '64.

CADMIUM TELLURIDE

Properties of saturated solid solutions of InSb + CdTe. [illegible], V.V.[illegible]. Dokl.AN SSSR 155 no.3:[illegible] Mr '64.

CADMIUM-ZINC-ANTIMONY ALLOYS—METALLOGRAPHY

Metallographic and X-ray study of some pseudobinary sections of the system Cd - Zn - Sb. E.P.Kolugin, A.S.Fedorkin. Zhur.fiz.khim. 36 no.11:2544-2547 N '62.

CAFFEINE

Change in the inhibitive effect of the vagus nerve on the heart under the influence of caffeine. A.P.Dvoshina. Nauch.trudy Kaz.med.inst. 15:[illegible] '62.

Change in the oculocardiac reflex in people under the influence of caffeine. L.A.Dvoshina and others. Nauch.trudy Kaz.med.inst. 15:[illegible] '62.

Effect of caffeine on the cardiac activity of frogs following administration of ACTH. V.S.Mozzhelov. Nauch.trudy Kaz.med.inst. 15:[illegible] '62.

Neurodynamic changes in patients with postinflammatory lesions in the hypothalamic region during treatment with amidopyrine and caffeine. V.M.[illegible]. Nauch.trudy Kaz.med.inst. 15:[illegible] '62.

CAISSONS

Assembly of cylindrical sunk wells made of precast reinforced concrete. [illegible] Prom.stroi. 41 no.12:[illegible] D '63.

Designing and erecting sunk wells of large diameters. A.IA.[illegible]. Prom.stroi. 41 no.12:[illegible] '63.

CAKE DECORATING

Effect of various dry butter on the physicochemical properties of the butter cream. M.IA. Arbuzof'skaia, [illegible], A.I.Klimova. Khleb.i kond.prom. 8 no.4:[illegible] Ap '64.

CALANDRIA

Fat content of [illegible] in Calandria [illegible] under experimental conditions. [illegible] Dokl.AN SSSR 155 no.2:[illegible] Mr '64.

CALCIFICATION

Calcification and ossification in goiters. N.I.Shabanova. Kaz.med.zhur. no.6:[illegible] N-D '63.

CALCITE CRYSTALS—DEFECTS

Secondary cleavage in calcite crystals. [illegible] Kristallografiia 9 no.2:253-259 Mr-Ap '64.

CALCIUM—ANALYSIS

Determination of calcium in water, acids, and salts by means of fluorescein-complexone. E.A.Bozhevol'nov, S.U.Kreingol'd. Metod.anal.khim.reak.i prepar. no.4:53-58 '62.

Flame photometric determination of calcium impurity in nickel and zirconium preparations. N.S.Poluektov, [illegible], M.P.Nikonova. Zav.lab. 30 no.5: 533-534 '64.

Polarographic method of determining calcium in solutions and plant tissues [with summary in English]. A.K.Petrov-Spiridonov. Izv. TSKhA no.1:236-238 '60.

CALCIUM—PHYSIOLOGICAL EFFECT

Effect of potassium and calcium ions on the assimilation of reflex stimulation rhythms in frogs. N.A.Dmitrieva and others. Nauch.trudy Kaz.med.inst. 15:3-7 '62.

CALCIUM ALUMINATE SULFATES

Study of the formation process of anhydrous calcium aluminate sulfate with the aid of the Leningrad high-temperature X-ray installation. S.D.Chernikov, B.V. Volkonskii, M.A.Rotshtein. Trudy Giprotsement no.26:3-16 '63.

CALCIUM ARSENITES

Using chemical preparations in the control of nematodes in farm ruminants. IU.H.IAgorov, A.F.Babkova. Vestsi AN BSSR. Ser.sel'skagas.nav. no.1:123-125 '64.

CALCIUM CHLORIDE

Dependence of the calcium chloride content in the generator tar and tar water on the technological conditions of gas generators. V.M.Efimov, R.E.Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:278-284 '62.

Investigating the process of the formation of calcium chloride in the tar and tar water from the semicoking of oil shale in gas generators. I.Hüsse, R.Metsik, L.Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:257-263 '62.

CALCIUM COMPOUNDS

Ion exchange system H', Ca'' ‖ R', Cl'-H_2O investigated by the ray method. A.V.Nikolaev, V.L.Bogatyrev, A.I.Vulikh. Dokl.AN SSSR 155 no.3:607-610 Mr '64.

CALCIUM CYANAMIDE

Production of calcium cyanamide by the carbideless method. S.A.Sigov, Z.M.Leikin, R.I.Daichi. Uzb. khim.zhur. 8 no.2:73-78 '64.

CALCIUM HYDROXIDE

Effect of the composition of the initial mixture on the kinetics of interaction of $Ca(OH)_2$ with quartz under conditions of hydrothermal treatment. L.N.Rashkovich, V.P.Varlamov, N.K.Sudina. Dokl.AN SSSR 156 no.3:685-688 '64.

CALCIUM IN THE BODY

Calcium and phosphorus in the milk of parturients under the climatic and geographical conditions of dry subtropics. B.L.Gurtovoi, K.I.Imshenetskaia. Zdrav. Turk. 8 no.1:16-19 Ja '64.

Trilonometric determination of calcium and magnesium in the cerebrospinal fluid and other biological fluids. N.V.Siudmak, M.I.Gultur, E.M.Khudoshina. Lab.delo 8 no.9:55-59 S '62.

CALCIUM PHOSPHATES

Composition and structure of naturally occurring calcium phosphates. R.P.Ozerov and others. Zhur.prikl.khim. 37 no.4:716-721 Ap '64.

CALCIUM SALTS

Synthesis of calcium borohydride. L.V.Titov. Dokl.AN SSSR 154 no.3:654-656 Ja '64.

CALCIUM SULFATE

Characteristics of the curves showing the dependence of the strength of hardened cement on the calcium sulfate dihydrate content in cement. N.I.Fateeva, A.Z. Tagil'tsev, V.I.Bebeshko. Izv.vys.ucheb.zav.; stroi. i arkhit. 6 no.6:87-94 '63.

Preparation of sulfur dioxide by the thermal decomposition of natural calcium sulfate. V.M.Kakabadze, M.G. Chkhubianishvili, A.D.Volkov. Trudy Inst.prikl.khim. i elektrokhim.AN Gruz.SSR 4:121-129 '63.

CALCULI

Coproliths of the intestine. I.S.Lan'ko. Zdrav.Bel. 9 no.6:18-21 Je '63.

CALCULI, URINARY

Use of X-ray structural analysis for the study of urinary calculi. I.A.Flerovskii. Lab.delo no.3:140-141 '64.

CALCULUS, DIFFERENTIAL

Piskunov, N.S. [Differential and integral calculi for institutions of higher technical education] Differentsial'noe i integral'noe ischisleniia dlia vtuzov. Izd.5. Moskva, Izd-vo "Nauka"

Vol. 2. 1964. 312 p.

CALCULUS, INTEGRAL

Piskunov, N.S. [Differential and integral calculi for institutions of higher technical education] Differentsial'noe i integral'noe ischisleniia dlia vtuzov. Izd.5. Moskva, Izd-vo "Nauka"

Vol. 2. 1964. 312 p.

CALCULUS, OPERATIONAL

Levinshtein, M.L. [Operational calculus and its application to electrical engineering problems] Operatsionnoe ischislenie i ego prilozheniia k zadacham elektrotekhniki. Moskva, Izd-vo "Energiia," 1964. 465 p.

CALCULUS OF TENSORS

On the true energy - momentum tensor of a gravitational field. B.N.Frolov. Vest.Mosk.un.Ser.3: Fiz., astron. 19 no.2:56-63 Mr-Ap '64.

Tensor of the derivative of the characteristic temperature based on deformations for a molecular crystal. A.I.Kitaigorodskii. Kristallografiia 9 no.2:171-173 Mr-Ap '64.

CALCULUS OF VARIATIONS

Geometry of Lagrange's variational problem with a double integral in X_4. D.E.Chernyi. Izv.vys.ucheb. zav.; mat. no.1:153-165 '64.

Reducing one class of optimum control problems to a simple variational problem. G.N.Mil'shtein. Prikl. mat.i mekh. 28 no.2:375-380 Mr-Ap '64.

Variational principles governing the development of cracks in solids. E.M.Morozov, L.S.Polak, IA.B. Fridman. Dokl.AN SSSR 156 no.3:537-540 '64.

Variational problems in gas dynamics of equilibrium and nonequilibrium flows. A.N.Kraiko. Prikl.mat.i mekh. 28 no.2:285-295 Mr-Ap '64.

CALENDAR, ARMENIAN

On the Armenian calendar [In Armenian with summary in Russian]. G.S.Badalian. Ist.-filol.zhur. no.4:63-74 '63.

CALIBRATION—EQUIPMENT AND SUPPLIES

Precision quartz calibrator PK-32. Prib.i tekh.eksp. 9 no.2:101 Mr-Ap '64.

CALLISTHENICS see subdivision under Volkinsk

CALLUS (BOTANY)

Effect of the bleeding sap of corn grown in various pH media on the callus growth in carrots. S.S.Andreenko, N.G.Potapov, L.G.Kosulina. Dokl.AN SSSR 155 no.4:964-966 Ap '64.

CALMING OF WAVES see Waves, Calming of

CALORIMETRY

Decomposition of tert-butyl chloride studied by means of calorimetry. Part 3 [with summary in English]. G.A.Kapralova, N.N.Semenov. Zhur.fiz.khim. 37 no.3:499-502 Mr '63.

Second All-Union Conference on Calorimetry. V.P. Kolesov. Teplofiz.vys.temp. 1 no.2:333-335 S-O '63.

Skuratov, S.M., V.P.Kolesov, and A.F.Vorob'ev. [Thermochemistry] Termokhimiia. [Moskva] Izd-vo Mosk.univ.

Pt. 1. [General data on thermometry and calorimetry] Obshchie svedeniia o termometrii i kalorimetrii. 1964. 301 p.

CALVES—DISEASES AND PESTS

Therapeutic effectiveness of terramycin in calf and lamb diseases. A.B.Bolokhchian, B.A.[illegible], M.[illegible] Arashatian. Veterinariia 40 no.10:47 '63.

CALVES—FEEDING AND FEEDS

Protein nutrition of Brown Swiss calves. V.V.[illegible]skii. Trudy Stavr.sel'khoz.inst. no.11:24-26 [illegible]

CAMBIUM

Stem periderm formation in the Amur cork tree during the first years of its life [with summary in English]. G.P.Belostokov. Izv.AN SSSR.Ser.biol. no.2:[illegible] Mr-Ap '63.

CAMBODIA—POLITICS AND GOVERNMENT

New imperialist pressure. V.Sergin. Mezhdunar. zhizn' 11 no.5:110-117 My '64.

CAMELS—DISEASES AND PESTS see subdivision under Semipalatinsk Province

CAMERAS

Design of systems for semiautomatic and automatic exposure time setting. S.V.Kulagin. Tekh.kino i telev. 8 no.5:61-63 My '64.

CAMEROONS—ECONOMIC CONDITIONS

Economic development of the Cameroons. M.M. Golubchik. Nar.Az.i Afr. no.[illegible] '64.

CAMEROONS—INTERNATIONAL TRUSTEESHIPS

Certain problems in the federal structure of the Cameroons. E.K.Krasavin. Uch.zap.IMO no.14:81-97 '63.

CAMEROONS—POLITICS AND GOVERNMENT

Certain problems in the federal structure of the Cameroons. E.K.Krasavin. Uch.zap.IMO no.14:81-97 '63.

CAMPS

(see also subdivision under Orenburg Province)

Adolescents in a camp. V.Kutsenko. Nar.obr. no.5: 75-78 My '64.

Let children have summer. Nar.obr. no.5:3-6 My '64.

CAMS

Gorskii, B.E., and IA.L.Cherniavskii. [Modernization of cam mechanisms of machines] Modernizatsiia kulachkovykh mekhanizmov mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 97 p.

Levitskii, N.I. [Cam mechanisms] Kulachkovye mekhanizmy. Moskva, Izd-vo "Mashinostroenie," 1964. 286 p.

CANADA—ALMANACS, UKRAINIAN

Homin Ukrainy, Vydavnytstvo, Toronto. [Almanac calendar of "Homin Ukrainy" for 1964, the year of the 150th anniversary of birth of the great kobzar of the Ukraine, T.Shevchenko, 1814-1964] Al'manakh [kalendar]...na rik 1964 u 150-richchia narodzhennia velykoho kobzaria Ukrainy T.Shevchenka, 1814-1964. Toronto, Nakladom vyd-va "Homin Ukrainy," [n.d.] 190 p.

CANADA—FERTILIZER INDUSTRY

Effect of natural gas on the growth of the chemical fertilizer industry in Canada. Gaz.delo no.3:46 '64.

CANADA—INV[illegible], AM[illegible]

[illegible]

CANADA—NATURAL [illegible]

[illegible]

CANADA [illegible]

[illegible]

CANADA see [illegible]

CANCER

(see also [illegible] Russia)

[illegible]

CANCER—DIAGNOSIS

[illegible]

CANCER [illegible]

(see also [illegible])

[illegible]

CANCER RESEARCH—[illegible]

[illegible]

CANDIDA (FUNGI)

[illegible]

Study of the action of [illegible]

CANNERIES—DESIGN AND CONSTRUCTION see subdivision under Ukraine

CANNING INDUSTRY—COSTS see subdivision under Moldavia

CAPILLARIES

Utilization of an [illegible] photography [illegible] Ivanov, E.G.[illegible]. Lab.delo [illegible]

CAPILLARIES—DISEASES

Changes in the capillaries in different clinical forms of Hodgkin's disease. A.M.[illegible] Ivan.gos.med.inst. [illegible]

CAPITAL

(see also subdivision under Money)

Kaltakhyi, V.M., and E.P.[illegible]. [Capital and surplus value, a lecture [illegible]] Kapital i pribavochnaia [illegible]; lektsiia po kursu politicheskoi ekonomii. Moskva, Vses.zaochnyi finansovo-ekonomicheskii in-t, 1963. 48 p. [illegible]

Think, count and improve. [illegible] As. 1 no.4:61-64 Ap '64.

CAPITAL INVESTMENTS

(see also subdivision under Caucasus, Northern; Sumy Province; Uzbekistan)

Chemical equipment should work at full capacity. S. Malyshev. Fin.SSSR 38 no.3:27-29 Mr '64.

Determining the economic effciency of capital investments and new machinery. Vop.ekon. no.4:109-133 Ap '64.

Fil'shin, G. I., and V. K. Elev. [Economic efficiency of capital investments] Ekonomicheskaia effektivnost' kapitalovlozhenii. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 117 p. (Besedy o programme KPSS)

Letters to the editor. Ekon.stroi. no.4:71-73 Ap '64.

Role of the indivisibility of capital investments in the reproduction process. IA.Beksiak. Prim.mat.v ekon. no.2:34-43 '64.

Ways to improve the calculations of the economic efficiency of capital investments. IU.Kanygin. Ekon. stroi. no.4:14-21 Ap '64.

CAPITALISM

(see also subdivision under Turkey)

Capitalist economy and imperialist state. IU.Avdeev, V.N.Strunnikov, M.I.Burlakov. Sov.gos.i pravo 34 no.4:139-142 Ap '64.

CAR WHEELS

Design of a system for the automatic control of wheel slippage. V.V.Privalov, R.V.Chernov. Vest.TSNII MPS 23 no.3:18-20 '64.

Initial stresses in sectional wheels with spokes. IU.V. Safronov. Izv.AN SSSR.Mekh.i mashinostr. no.2:96-104 Mr-Ap '64.

CAR WHEELS—STANDARDS

New standards for light-weight seamless rolled wheels. Vest.TSNII MPS 23 no.3:54 '64.

CARBAMIC ACID

Effect of the derivatives of dithiocarbamic acid on the formation process and properties of viscose cord fibers. V.I.Maiboroda, T.A.Finkel'shtein, L.F. Goriachko. Khim.volok. no.2:49-51 '64.

Effectiveness of carbin in the control of wild oats. L.S. Roktanen and others. Khim.v sel'.khoz. 2 no.2:43-45 F '64.

Insecticidal properties of some carbamic acid derivatives. K.G.Shapovalova, Z.I.Maksimova, I.A. Mel'nikova. Khim.v sel'.khoz. 2 no.3:23-27 Mr '64.

Joint application of copper oxychloride and zineb. N.M. Golyshin, V.I.Abelentsev, G.V.Solov'eva. Khim.v sel'.khoz. 2 no.3:20-23 Mr '64.

Studying the herbicidal activity and selectivity of carbin. V.A.Voitekhova and others. Khim.v sel'.khoz. 2 no.2:36-37 F '64.

CARBIDES

Semiconductor thermistors based on silicon carbide and boron carbide. D.A.IAs'kov. Izv.LETI no.43:112-124 '60.

CARBOHYDRASES

Effect of hydrogen sulfide inhalations on the conditioned reflex activity and carbohydrase of the blood in children with rheumatic fever. T.P.Borisova, A.I.Gunina. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:255-259 My-Je '63.

CARBOHYDRATE METABOLISM

Change in the carbohydrate metabolism in the leaves of different varieties of olives during various seasons of the year. O.F.Melikova. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.6:77-83 '63.

Daily variation of carbohydrates in leaves and stalks of potato plants. M.N.Goncharik, L.P.Rusetskaia, M.I. Marshakova. Bot.; issl.Bel.otd.VBO no.5:8-15 '63.

Effect of insulin on glucose and fructose uptake by isolated fat tissue of the epididymis of normal rats, starved rats, and rats with alloxan diabetes [with summary in English]. K.G.Gromova. Biokhimiia 27 no.6:1106-1110 N-D '62.

Enzymatic transformations of some carbohydrates in the leaves of field crops in relation to their adaptation to soil salinity. L.A.Boiko, G.R.Matukhin. Nauch.dokl. vys.shkoly; biol.nauki no.2:154-157 '64.

Hormonal regulation of carbohydrate metabolism in Cyclostomi and fishes. E.M.Plisetskaia. Usp.sovr. biol. 57 no.1:128-142 Ja-F '64.

Influence of the arrest of fetal circulation on the mother's carbohydrate metabolism depending on its initial state. Kh.G.Kanbai. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:109-115 '61.

Shift in the carbohydrate metabolism of wheat leaves during the photoperiod of development. O.A.Korchagina. Dokl.AN SSSR 156 no.1:209-211 My '64.

CARBOHYDRATES

Carbohydrate composition of specific polysaccharides in various serological types of Escherichia coli [with summary in English]. A.A.Efimova. Zhur.mikrobiol., epid.i immun. 40 no.9:101-106 S '63.

Effect of protein and carbohydrate food test samples on glycemia in diabetes mellitus [with summary in English]. K.M.Prostiakov. Vop.pit. 21 no.6:3-10 N-D '62.

Quantitative chromatographic method for determining carbohydrates. A.P.Rukhliadeva, L.V.Semikina, V.S. Cherednichenko. Trudy TSNIISP no.13:14-18 '62.

Some data on the digestion of feed carbohydrates in the digestive tract of sheep. V.A.Moiseev. Trudy Inst. fiziol.AN Kazakh.SSR 5:19-24 '63.

CARBON

(see also subdivision under Dnieper-Donets Lowland; Donets Basin)

Afanas'eva, R. V., and others. [Production of Li^8 in the fission of C^{12} nuclei by high-energy protons] Obrazovanie Li^8 v rasshcheplenijakh iader C^{12} protonami vysokoi energii. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 8 p.

Cathode liberation of carbon from molten carbonates. IU.K.Delimarskii, A.V.Gorodyskii, V.F.Grishchenko. Dokl.AN SSSR 156 no.3:650-651 '64.

Direct proof of the participation of phosphoglyceric acid in the reducing photosynthetic cycle of carbon. N.G. Doman, R.IA.Shkol'nik, Z.A.Terent'eva. Dokl.AN SSSR 156 no.3:698-701 '64.

Is a third form of carbon possible? A.M.Sladkov, IU.P. Kudriavtsev. Priroda 53 no.5:88-94 '64.

CARBON, ACTIVATED

Control of the washing waters in the manufacture of discoloring activated carbons. V.N.Polovko. Trudy KTIPP no.27:104-108 '63.

CARBON, ACTIVATED—ABSORPTION PROPERTIES

Selecting the activated carbon for the adsorption of carbon disulfide from the air of viscose manufacture under "fluidized bed" conditions. I.F.Zemskov and others. Khim.volok. no.2:57-62 '64.

CARBON BLACK

Concerning the possibility of controlling the content of functional groups on the surface of carbonaceous powders [with summary in English]. A.S.Fialkov, G.N. Toporov, V.D.Chekanova. Zhur.fiz.khim. 37 no.3:566-569 Mr '63.

Kulikov, I. G. [Safety measures in carbon black producing plants] Tekhnika bezopasnosti v tsekhakh po proizvodstvu sazhi. Moskva, Izd-vo "Khimiia," 1964. 37 p. (Pamiatka po tekhnike bezopasnosti)

On the corpuscular theory of the structure of adsorbents. Part 4. B.G.Aristov, A.P.Karnaukhov, A.V.Kiselev. Zhur.fiz.khim. 36 no.11:2486-2490 N '62.

Using a simplified method for heat calculations in controlling the formation of carbon black in products of the incomplete combustion of gaseous fuel and liquid hydrocarbon crude. IU.P.Bass. Gaz.delo no.11:50-53 '63.

CARBON DIOXIDE

CO_2 production for the isotopic analysis of C^{12}/C^{13}. A.A.Bolotnikov, IA.B.Finkel'shtein. Prib.i tekh.eksp. 9 no.2:172-174 Mr-Ap '64.

Influence of pressure on the thermal effect of the synthesis of methanol from carbon oxide and hydrogen. IA.S.Kazarnovskii, S.A.Mikhailova, D.B.Kazarnovskaia. Khim.prom. no.3:183-187 Mr '64.

Modernized optical-acoustical gas analyzer for the determination of CO_2 in saturation gases. V.I.Mikhailenko. Sakh.prom. 37 no.12:20-23 D '63.

Sorption of carbon dioxide by corn kernels. N.V.Trubitsyn. Izv.vys.ucheb.zav.; pishch.tekh. no.2:16-17 '64.

CARBON DIOXIDE—SPECTRA

Heat radiation of carbon dioxide in the atmosphere. K.IA. Kondrat'ev, Kh.IU.Niilisk. Probl.fiz.atm. no.2:28-47 '63.

CARBON DIOXIDE—THERMAL PROPERTIES

Heat transfer with boiling carbon dioxide at near-critical pressures. V.P.Skripov, G.P.Nikolaev. Izv.vys. ucheb.zav.; energ. 7 no.4:66-71 Ap '64.

Thermophysical properties of carbon dioxide. Part 1: Second virial coefficient. M.P.Vukalovich, V.V. Altunin. Teplofiz.vys.temp. 1 no.2:182-190 S-O '63.

CARBON DISULFIDE

Potentials for reducing the cost of production of carbon disulfide. E.S.Shapiro. Khim.volok. no.2:65-69 '64.

Selecting the activated carbon for the adsorption of carbon disulfide from the air of viscose manufacture under "fluidized bed" conditions. I.F.Zemskov and others. Khim.volok. no.2:57-62 '64.

CARBON ELECTRODES see Electrodes, Carbon

CARBON ISOTOPES—ANALYSIS

CO_2 production for the isotopic analysis of C^{12}/C^{13}. A.A.Bolotnikov, IA.B.Finkel'shtein. Prib.i tekh.eksp. 9 no.2:172-174 Mr-Ap '64.

CARBON MONOXIDE

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No.37: Alkylation of cycloolefins and benzene by means of a mixture of carbon monoxide and hydrogen in the presence of a cobalt-thorium catalyst. IA.T.Eidus, B.K. Nefedov, A.V.Lobzova. Izv.AN SSSR.Ser.khim. no.4:726-733 Ap '64.

Destruction of refractory materials by carbon monoxide [with summary in English]. M.F.Kozins'kyi. Dop.AN URSR no.4:517-519 '64.

Kinetics and mechanism of the catalytic reduction of quinones by carbon monoxide in solutions. A.B.Fasman, V.A.Golodov, D.V.Sokol'skii. Dokl.AN SSSR 155 no.2:434-437 Mr '64.

Kinetics of the conversion of carbon monoxide with water vapors on a zinc-chromium catalyst. V.I.Atroshchenko, L.N.Ivanova, D.V.Gernet. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:70-76 '64.

CARBONATES

Cathode liberation of carbon from molten carbonates. IU.K.Delimarskii, A.V.Gorodyskii, V.F.Grishchenko. Dokl.AN SSSR 156 no.3:650-651 '64.

Some physicochemical properties of carbonate slimes. Kh.G.Purtseladze, I.P.Chachanidze. Trudy Inst. prikl.khim.i elektrokhim.AN Gruz.SSR 4:113-119 '63.

Use of carbonate slimes in the manufacture of oil paints. I.P.Chachanidze. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:131-138 '63.

CARBONATITES

Origin of carbonatites. L.S.Egorov. Izv.AN SSSR. Ser.geol. 29 no.1:63-74 Ja '64.

CARBONIC ACID

Effect of carbonic acid on the solubility of acetylene in acetone and methanol at low temperatures. I.P.Usiukin and others. Nefteper.i neftekhim. no.11:35-40 '63.

Effect of emulsifiers on the course of the interphase polycondensation in the production of polycarbonates based on dichlorodiphenylol propane. O.V.Smirnova and others. Plast.massy no.5:13-15 '64.

High-frequency titration. Report No.7: Carbonate compounds of thorium [with summary in English]. D.I. Riabchikov and others. Zhur.anal.khim. 18 no.3:348-356 Mr '63.

Temperature limits of the applicability of the method of artificial reaction using solid carbonic acid. I.I. Gaivoronskii and others. Trudy TSAO no.51:14-19 '63.

CARBONIZATION

Production of magnesium oxide by carbonization of an aqueous suspension of sepentinite. V.M.Kakabadze, Z.G.Nikolaishvili, N.G.Mshvenieradze. Trudy Inst. prikl.khim.i elektrokhim.AN Gruz.SSR 4:53-56 '63.

CARBONYL COMPOUNDS

Mechanism of the reduction of carbonyl-containing compounds with diborane solution in tetrahydrofuran. S.L. Ioffe, V.A.Tartakovskii, S.S.Novikov. Izv.AN SSSR. Ser.khim. no.4:622-631 Ap '64.

Protonation of carbonyl compounds and the mechanism of the acid hydrolysis of esters. V.A.Pal'm and others. Zhur.fiz.khim. 36 no.11:2499-2501 N '62.

CARBONYLS

Bimetallic derivatives of the carbonyls of chromium, molybdenum, and tungsten. A.N.Nesmeianov and others. Dokl.AN SSSR 156 no.3:612-615 '64.

CARBOXYL GROUP

Artificial carboxylate leather. I.A.Shtern and others. Kozh.-obuv.prom. 6 no.2:32-34 F '64.

Structure formation in carboxylate latexes. A.B.Taubman, G.S.Blyskosh, L.P.IAnova. Lakokras.mat.i ikh prim. no.1:9-12 '64.

CARBOXYLATION

Carboxyalkylation of aromatic hydrocarbons in the presence of ferric chloride. I.M.Kovina, I.P.TSukervanik. Uzb.khim.zhur. 8 no.2:33-37 '64.

CARDIAC CATHETERIZATION

Anesthesia in heart catheterization in children. M.A. Umanskii. Khirurgiia no.1:91-94 '63.

CARDIAC GLYCOSIDES

Cardiac glycoside from Convallaria keiskei Miq. Report No.3. N.F.Komisarenko, V.T.Chernobai, D.G.Kolesnikov. Med.prom. 17 no.9:7-9 S '63.

Rate of the fermentation hydrolysis of cardiac glycosides as dependent on the structure of aglycons. P.I. Hvozdiak, D.H.Kolesnykov. Dop.AN URSR no.3:352-354 '64.

CARDING MACHINES

Efficient design of the comb mechanism of a carder. M.T.Sokol'skii. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:143-150 '64.

More about the design of the fillet for the receiving drums of carders. R.M.Kiselev. Izv.vys.ucheb.zav.; tekh. tekst.prom. no.1:60-65 '64.

CARDIOSPASM

Errors and hazards in the surgical treatment of cardiospasm [with summary in English]. B.V.Petrovskii, O.D.Fedorova. Khirurgiia 30 no.6:3-10 Je '63.

CARDIOSPASM (Continued)

Immediate and remote results of the Petrovskii method of esophagoplasty in cardiospasm. A. G. Karavanov, V. M. Volchek. Khirurgiia 39 no. 6:18-20 Je '63.

Surgical treatment of cardiospasm (extramucosal thoracoabdominal partial esophagocardiectomy) [with summary in English]. F. Mandache and others. Khirurgiia 39 no. 6:10-17 Je '63.

CARDIOVASCULAR SYSTEM

Effect of microwaves on the cardiovascular system of a practically healthy person. A. N. Obrosov, L. A. Skurikhina, S. N. Safiulina. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:223-229 My-Je '63.

Reflex action of food on the cardiovascular system after a total gastrectomy. G. F. Markova. Vop. pit. 21 no. 6:10-16 N-D '62.

Some changes in the vegetative nervous system and the cardiovascular system in Botkin's disease in children. I. N. Rudenskaia. Vop. okh. mat. i det. 7 no. 6:39-43 Je '62.

CARDIOVASCULAR SYSTEM—DISEASES
(see also subdivision under Moldavia)

Decurarization in cardiovascular diseases. V. A. Kovanev, IA. M. Khmelevskii. Eksper. khir. i anest. 7 no. 4:83-89 Jl-Ag '62.

Fogel'son, L. I. [Work capacity and indications for job placement in diseases of the cardiovascular system; scientific methodological fundamentals] Trudosposobnost' i pokazaniia k trudoustroistvu pri zabolevaniiakh serdechno-sosudistoi sistemy; nauchno-metodicheskie osnovy. Moskva, Meditsina, 1964. 243 p. (DNLM)

Late cardiovascular disorders in diphtheria [with summary in English]. V. S. Ushakova. Vop. okh. mat. i det. 7 no. 6:22-26 Je '62.

Morphology of the neural apparatus of the aorta and the carotid arteries in cardiac decompensation. S. F. Andreev. Sbor. nauch. rab. IAr. med. inst. no. 18:130-138 '59.

Reaction of the cardiovascular system to solar irradiation and sea bathing and their importance in climatotherapy. B. V. Nikol'skii. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:234-237 My-Je '63.

Reactions to the weather in cardiovascular disease patients under the climatic conditions of the Kobuleti health resort. R. K. Gogibedashvili. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:37-43 '63.

Results of the organization of studies in the epidemiology of cardiovascular diseases among workers in the petroleum industry. L. I. Geller and others. Sov. zdrav. 22 no. 8:40-44 '63.

Role of a feldsher in the prevention and decrease of the incidence of diseases of the cardiovascular system and the alimentary canal. R. K. Koshchug. Zdravookhranenie 7 no. 1:54-55 Ja-F '64.

Vascular pathology and its role in various types of course of presenile depression. L. A. Chelyshev. Zhur. nevr. i psikh. 64 no. 2:245-249 '64.

CARICATURES AND CARTOONS

Syrkina, F. IA. [Ideological and artistic role of Soviet satirical drawings] Ideino-khudozhestvennaia rol' sovetskoi satiricheskoi grafiki. Moskva, Izd-vo "Iskusstvo," 1964. 42 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

CAROTENE

Content of carotene in wild plants of Alma-Ata Province. N. S. Kuchinskaia. Zdrav. Kazakh. 22 no. 10:50-52 '62.

Photosensibilizing capacity of absorbed carotene. G. G. Komissarov and others. Dokl. AN SSSR 155 no. 5:1194-1197 Ap '64.

Possibility of an indirect effect of ionizing radiation in lipid solutions; radiolysis of β-carotene in oleic acid. IU. B. Kudriashov, Z. Baltbarzdys, Le-dak Lieu. Dokl. AN SSSR 156 no. 1:191-193 My '64.

CAROTENOIDS

Role of carotenoids in the mechanism of oxygen transfer in photosynthesis. V. S. Saakov. Dokl. AN SSSR 155 no. 5:1212-1215 Ap '64.

CAROTID ARTERY—DISEASES

Bioelectric activity of the brain in thrombosis of the internal carotid artery in the cervical region [with summary in English]. S. E. Ginzburg. Vop. neirokhir. 27 no. 5:22-29 S-O '63.

Cerebral blood circulation disorders in stenosis and occlusions of the middle cerebral artery. I. Kh. Zaretskaia. Zhur. nevr. i psikh. 64 no. 2:232-238 '64.

E. V. Shmidt. Stenosis and thrombosis of the carotid arteries and disorders of cerebral blood circulation. P. M. Saradzhishvili. Zhur. nevr. i psikh. 64 no. 3:476-479 '64.

Some characteristics of aphasic disturbances in thromboses and stenosis of the internal carotid and middle cerebral arteries. L. G. Stoliarova. Zhur. nevr. i psikh. 64 no. 2:225-231 '64.

CAROTID ARTERY—INNERVATION

Morphology of the neural apparatus of the aorta and the carotid arteries in cardiac decompensation. S. F. Andreev. Sbor. nauch. rab. IAr. med. inst. no. 18:130-138 '59.

Pathomorphology of the neural apparatus of carotid arteries in diphtheria. V. I. Galkin. Sbor. nauch. rab. IAr. med. inst. no. 10:75-83 '50.

CAROTID ARTERY—SURGERY

Carotid-cavernous anastomoses. E. I. Svito. Zdrav. Bel. 9 no. 6:25-29 Je '63.

CAROTID BODY—TUMORS

Diagnosis and treatment of tumors of the carotid body [with summary in English]. IA. D. Vitebskii. Vest. khir. 90 no. 5:57-60 My '63.

Tumors of the carotid body [with summary in English]. A. P. Mirzoev, O. V. Il'inskaia. Vest. khir. 90 no. 5:60-64 My '63.

CAROTID SINUS—DISEASES

Vessels of the sinocarotid reflexogenic zone and their changes in atherosclerosis and hypertension; pathogenesis of "internal carotid artery thrombosis in the neck." A. V. Ryvkind. Zhur. nevr. i psikh. 64 no. 2:172-179 '64.

CAROTID SINUS—INNERVATION

Effect of "aseptic" (turpentine) inflammation of the palatine tonsils on the bioelectrical activity of the sinus nerve and respiration [with summary in English]. E. A. Bobkova. Zhur. ush., nos. i gorl. bol. 23 no. 6:55-59 N-D '63.

CAROTINOIDS see Carotenoids

CARP see subdivision under Azerbaijan; Proletarskaya Reservoir

CARP—ANATOMY
(see also subdivision under Danube Valley)

Specific differences in the structure of gill rakers in Cyprinidae. V. I. Kazanskii. Vop. ikht. 4 no. 1:43-60 '64.

CARP—DISEASES AND PESTS see subdivision under Alma-Ata region

CARPATHIAN MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Dislocations in the outer zone of the Ciscarpathian trough. I. I. Kharaz. Geofiz. sbor. no. 5:116-121 '63.

CARPATHIAN MOUNTAINS—PLANT COMMUNITIES

Phytocenosis of the curvuletum in the Ukrainian Carpathians. V. I. Komendar. Nauch. dokl. vys. shkoly; biol. nauki no. 2:133-137 '64.

CARPATHIAN MOUNTAINS—ROCKS, IGNEOUS

Ancient volcanism in the Soviet Carpathians. S. G. Rudakov. Dokl. AN SSSR 155 no. 2:340-342 Mr '64.

CARPATHIAN MOUNTAINS—SEDGES

Phytocenosis of the curvuletum in the Ukrainian Carpathians. V. I. Komendar. Nauch. dokl. vys. shkoly; biol. nauki no. 2:133-137 '64.

CARPATHO-UKRAINE see Transcarpathia

CARPENTRY

Kazanskii, N. V., and K. P. Sivitskii. [Woodworking operations; carpentry and joinery] Derevoobdelochnye raboty; plotnichnye i stoliarnye. Moskva, Izd-vo lit-ry po stroit. "Stroiizdat," 1964. 40 p. (Svoimi rukami)

CARPENTRY—STUDY AND TEACHING

Tests on carpentry. A. P. Kostikov, L. L. Belkin. Shkola i proizv. 6 no. 3:33-40 Mr '64.

CARTILAGE

Methods of preservation and indication for the application of preserved homocartilage in maxillofacial surgery. A. S. Sliaeva. Trudy TSIU 64:110-113 '63.

CARVING (ART INDUSTRIES)

A great world of small sculptural forms. G. K. Vagner. Sov. arkheol. 8 no. 2:257-259 '64.

CASCADE CONVERTERS

Methods of determining the efficiency of induction machine-rectifier and rectifier cascades. N. I. Alekseev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:132-139 '64.

CASCADES (FLUID DYNAMICS)

Calculating forces in case of arbitrary minor vibrations of profiles in a cascade. V. B. Kurzin. Izv. AN SSSR. Mekh. i mashinostr. no. 2:165-167 Mr-Ap '64.

Determining the gas-outflow angle from a plane turbine cascade of profiles. B. M. Aronov, D. I. Mamaev. Izv. vys. ucheb. zav.; av. tekh. 7 no. 1:75-84 '64.

CASPIAN LOWLAND—SALT DOMES

Types of cryptodiapiric salt-dome structures in the Caspian Lowland and their morphological features. A. P. Shafranov, I. I. Skvortsov. Neftegaz. geol. i geofiz. no. 12:14-19 '63.

CASPIAN LOWLAND—WORMWOOD

Root system of wormwood in the lowland of Azerbaijan. M. R. Abduev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:65-74 '63.

CASPIAN SEA—DIATOMS

New diatom algae in the Caspian Sea. [illegible]. Izv. AN Azerb. SSR. Ser. biol. i med. nauk [illegible] '63.

CASPIAN SEA—HERRING

Abundance of herring in the Caspian Sea. [illegible]. Ryb. khoz. 40 no. 1:12-14 '64.

CASPIAN SEA—MARINE MICROBIOLOGY

Microbiological study of the western shore of the Caspian Sea from the Apsheron to Lenkoran. M. A. [illegible]. Izv. AN Azerb. SSR. Ser. biol. i med. nauk [illegible] '63.

CASPIAN SEA—OCEANOGRAPHY

Caspian Sea problem requires a joint solution. [illegible]. Okeanologiia 4 no. 2:[illegible] '64.

CASPIAN SEA—OIL POLLUTION OF RIVERS, HARBORS, ETC.

Controlling oil losses in the waste water [illegible] refineries. L. A. Aleksandrov, [illegible]. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4:[illegible] '64.

CASPIAN SEA—OIL WELL DRILLING, SUBMARINE

At the sources of the Caspian Sea. [illegible]. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4:[illegible] '64.

CASPIAN SEA—PLANKTON

Some biochemical aspects of a comparative study of the plankton of the Sea of Azov and the [illegible] Sea. [illegible]. Okeanologiia [illegible] 232-243 '64.

CASPIAN SEA—ZOOPLANKTON

Some data on diurnal vertical migration of [illegible] plankton in the Caspian Sea. [illegible]. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. [illegible]

CASPIAN SEA REGION—LANDSLIDES

Submarine landslides and sediments of [illegible] on the bottom of the Caspian. [illegible] 4 no. 2:[illegible] '64.

CASPIAN SEA REGION—SEDIMENTS (GEOLOGY)

Submarine landslides and sediments of [illegible] on the bottom of the Caspian. [illegible] 4 no. 2:[illegible] '64.

CAST IRON

Cast iron with [illegible] for [illegible]. S. A. [illegible]. Trudy [illegible]

Study of the processes of [illegible] of cast [illegible] means of high temperature [illegible]. [illegible]

CAST IRON—ANALYSIS

Determination of bismuth in cast iron by a [illegible] complexometric method with [illegible] [with summary in English]. A. A. [illegible]. Zhur. anal. khim. 19 no. 1:[illegible]

Effect of silicon and sulfur content in [illegible] on the [illegible] of blast furnace [illegible]. [illegible]. Izv. vys. ucheb. zav. [illegible] 7 no. 4:191-196 '64.

Gol'denberg, L. I. [Native alloy cast iron as an industrial potentiality] Prirodnolegirovannyi chugun v [illegible] promyshlennosti. Moskva, Izd-vo "Metallurgiia," 1964. 110 p.

CAST IRON—HEAT TREATMENT

Effect of preliminary heat treatment on the graphitization process of white cast iron. I. E. [illegible], [illegible]. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:130-134 '64.

CAST IRON—METALLOGRAPHY

Effect of aluminum, boron and bismuth on the [illegible] of graphitization centers, microstructure of annealing and engineering properties of malleable cast iron. [illegible] Khorenkov, V. Z. Perfilova. Izv. vys. ucheb. zav.; mashinostr. no. 2:146-155 '64.

Growth of cast iron with spheroidal graphite. A. A. [illegible], E. D. Glotova. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:133-140 '64.

CAST IRON—METALLURGY

Aleksandrov, N. N., and N. I. Klochnev. [Technology of preparing and the properties of heat-resistant cast iron] Tekhnologiia polucheniia i svoistva zharostoikikh chugunov. Moskva, Izd-vo "Mashinostroenie," 1964. [illegible] p.

Desulfuration of cast iron by magnesium in the ladle. I. G. [illegible] and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:[illegible] '64.

CAST IRON—TESTING

Ultrasonic measurement of molten cast iron. L. A. [illegible], N. B. Kazakov, S. I. Filippov. Izv. vys. ucheb. zav.; chern. met. 7 no. [illegible] '64.

CAST STONE see Stone, Cast

CASTING, CONTINUOUS see Continuous casting

CASTRATION

Ditilin in the castration of swine. V.P.Nebliubin, I.A. Rud'. Veterinariia 40 no.10:46 O '63.

CATALASE

Change in the activity of blood catalase in poisoning with cadmium compounds. I.V.Shcherbakova, L.G.Morkovkina, G.S.Zbitneva. Nauch.trudy Riaz.med.inst. 15: 65-69 '62.

Dependence of the blood catalase activity and liver dehydrase of carp, Amur wild carp, and their hybrids upon the temperature of the environment. G.L.Shkorbatov. Nauch.dokl.vys.shkoly; biol.nauki no.2:60-65 '64.

Distribution of catalase in fractions of soluble plague microbe antigens [with summary in English]. A.A. Kanchukh and others. Ukr.biokhim.zhur. 35 no.5: 700-706 '63.

Studies of catalase-active systems. Part 2. T.P. Vorob'eva, V.V. Voevodskii, A.P. Purmal'. Zhur.fiz. khim. 36 no.11:2532-2536 N '62.

CATALOGING OF PERIODICALS

Don't abolish but improve. L.Pastukhova, E.Reshetnikova. Bibliotekar' no.5:58 My '64.

CATALOGING OF TECHNICAL LITERATURE

Bibliographical description and its role in the science-information process. G.S.Zhdanova. NTI no.12:25-30 '63.

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series B: Social sciences] Svod.biul. nov.inostr.knig, postup.v bibl.SSSR. Ser.B: Obshchestv.nauki no.6 '64.

CATALYSIS

Activity of chromium strontium silicate catalysts in the reaction of copolymerization of ethylene with α-olefins. Z.G.Zul'fugarov and others. Azerb.khim.zhur. no.1: 117-123 '64.

Calculation of the energy of bonds between the catalyst surface and the reacting atoms of organic molecules (on the article by V.Kh.Matiushenko "Theory of catalyst selection and the bond energy"). A.A.Slinkin, G.I. Levi, S.L.Kiperman. Zhur.fiz.khim. 37 no.3:712-715 Mr '63.

Determination of microamounts of iodine in natural waters by a catalytic method [with summary in English]. A.D.Miller, L.A.Shneider. Zhur.anal.khim. 18 no.3: 371-376 Mr '63.

Effect of electron-donating additions on the chain microstructure in the stereospecific polymerization of butadiene in the presence of "cobalt" catalytic systems. B.S.Turov and others. Dokl.AN SSSR 155 no.4:874-875 Ap '64.

Effect of the excess of water vapor in the autothermal method of catalytic conversion of methane under pressure. A.G.Leibush, B.D.Agranat. Khim.prom. no.3:187-193 Mr '64.

Photocatalytic properties of antimony trioxide in the reduction of methylene blue. Part 1. I.N.Barshchevskii. Zhur.fiz.khim. 36 no.11:2515-2517 N '62.

Polymerization of cis- and trans-piperylene under the effect of catalytic coordination systems. L.S.Bresler, B.A.Dolgoplosk, E.N.Kropacheva. Dokl.AN SSSR 155 no.5:1101-1103 Ap '64.

Polymerization of ethylene oxide on strontium carbonate and the effect of water adsorption on catalytic activity. K.S.Kazanskii and others. Izv.AN SSSR.Ser.khim. no.4:759-761 Ap '64.

Using hydrogenation to purify a hydroforming product of catalysis. R.M.Masagutov and others. Trudy BashNII NP no.6:10-14 '63.

CATALYSTS

Automatic analyzer of the coke content in a regenerated bead catalyst. M.P.Kurochkin, M.N.Kirillov. Nefteper.i neftekhim. no.11:41-42 '63.

Corrosive sublimate poisoning of platinum on cadmium oxide adsorption catalysts in the decomposition of hydrogen peroxide. Zh.V.Strel'nikova, E.A.Trosman, V.P.Lebedev. Zhur.fiz.khim. 36 no.11:2469-2472 N '62.

Effect of catalyst mixing on the process of conversion of methanol to formaldehyde in a fluid bed. I.P.Mukhlenov, A.IA.Averbukh, A.I.Vitvitskii. Zhur.prikl.khim. 37 no.4:705-710 Ap '64.

Effect of composition on the properties of copper-chromium oxide catalysts in the oxidation of carbon monoxide. M.IU.Sultanov, M.S.Belen'kii. Izv.vys.ucheb. zav.; neft' i gaz 5 no.9:63-69 '62.

Effect of K_2O on the activity, selectivity, and electrical properties of alumina-chromia catalysts. A.M.Rubinshtein, A.A.Dulov, N.A.Pribytkova. Izv.AN SSSR. Ser.khim. no.4:604-613 Ap '64.

Mechanical strength of aluminum-chromium-potassium catalysts. E.M.Breshchenko, V.G.Remizov. Trudy GrozNII no.15:187-194 '63.

Mechanical strength of porous disperse bodies. P.A. Rebinder, E.D.Shchukin, L.IA.Margolis. Dokl.AN SSSR 154 no.3:695-698 Ja '64.

Mechanism underlying the interaction of cyclohexane with the surface of a metallic catalyst. A.A.Balandin, B.S. Gudkov, R.M.Fedorovich. Dokl.AN SSSR 155 no.3: 626-628 Mr '64.

Polymerization of ethylene on the catalytic system titanium tetrachloride - organoaluminum etherates [with summary in English]. V.P.Mardykin, V.K. Badaev. Vysokom.soed. 6 no.3:444-447 Mr '64.

Polymerization of ethylene on the three-component catalytic system titanium tetrachloride - butyllithium - phenetole [with summary in English]. V.P.Mardykin, A.M.Konovalova. Vysokom.soed. 6 no.3:448-451 Mr '64.

Polymerization of meta-acrolein with anion catalysts. M.M.Koton, I.V.Andreeva, IU.P.Getmanchuk. Dokl. AN SSSR 155 no.4:836-838 Ap '64.

Polymerization of propylene in the presence of a $TiCl_3 - Al(C_2H_5)_3 - Zn(C_2H_5)_2$ [with summary in English]. A.P.Firsov, A.D.Ter-Gazarian, N.M.Chirkov. Vysokom.soed. 6 no.3:417-420 Mr '64.

Separate polymerization and copolymerization of isoprene in the presence of $\alpha - TiCl_3 - Al(C_2H_5)_3$ [with summary in English]. E.V.Zabolotskaia and others. Vysokom. soed. 6 no.1:76-80 Ja '64.

Study of the formation of zinc-chromium catalysts for the synthesis of alcohols. Part 1. I.P.Kirillov, N.P. Opolovnikova, A.M.Alekseev. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:77-83 '64.

Studying the conditions governing the regeneration of silicotungstic catalyst for the polymerization of propylene and the economics of the process. E.G.Vol'pova, L.I.Ogloblina. Trudy GrozNII no.15:265-270 '63.

Studying the dehydrogenation of isopentane on K-544 and K-5 finely divided catalysts. B.A.Kazanskii and others. Trudy GrozNII no.15:241-253 '63.

Use of emanation method in studying the structure of zinc oxide and nickelous oxide with added lithium and gallium oxides. M.D.Shibanova, G.M.Zhabrova. Dokl.AN SSSR 155 no.4:912-915 Ap '64.

CATAPHORESIS see Electrophoresis

CATAPLEIITE see subdivision under Baikal Lake region

CATARACT

Mechanism of the accelerated development of radiation cataracts caused by puncturing the irradiated crystalline lens. V.V.Popov and others. Dokl.AN SSSR 155 no.4:940-943 Ap '64.

CATARRH

Differential diagnosis of influenza and acute catarrhs of the respiratory tracts. N.N.Orlova. Vop.med.virus. no.5 pt.2:62-67 '58.

Work in the department for the control of influenza and acute catarrhs of the respiratory tracts. A.N.Slepushkin, V.A.Starosvetskii, E.V.Chizhkova. Vop.med. virus. no.5:96-103 '58.

CATARRH—BIBLIOGRAPHY see Bibliography—Catarrh

CATARRH—MICROBIOLOGY

Cultivation of the viruses of influenza and acute catarrhs. R.S.Dreizin, A.A.Davydova, M.M.Busniuk. Vop.med. virus. no.5 pt.2:86-89 '58.

CATATONIA

Content of catechol amines, acetylcholine and cholinesterase in the cerebrospinal fluid and the reactivity of the central nervous system in a catatonic form of schizophrenia. V.M.Mikhlin. Zdravookhranenie 7 no.1: 49-53 Ja-F '64.

Pathomorphological changes in the central nervous system in cases of catatonic excitation. E.E.Oksova. Sbor.nauch.rab.IAr.med.inst. no.18:117-129 '59.

Pathomorphology of the central nervous system in cases of catatonic stupor. E.E.Oksova. Sbor.nauch.rab. IAr.med.inst. no.18:105-116 '59.

CATHEDRALS see subdivision under Yur'yev-Pol'skiy

CATHOLIC CHURCH

Niunka, Vladas. [From the First to the Second Vatican] Nuo Vatikano Pirmojo iki Vatikano Antrojo. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 89 p. [In Lithuanian]

CATIONS

Determination and role of calcium and magnesium cations during meat refrigeration and storage. N.A.Golovkin, I.R.Nozdrunkova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:35-37 '64.

Interaction of some cations with violuric acid. Part 1. A.S.Bogonostsev. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:15-18 '64.

CATTLE—ANATOMY

Characteristics of the internal organs and physiological features in the infrabreed types of Latvian brown cows. A.I.IAzerskaia. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:103-105 '64.

CATTLE—DISEASES AND PESTS

Clinical hematological diagnosis of leukemia in cattle. B.B.Ermolaev. Veterinariia 40 no.10:63-65 O '63.

Diagnosis of leukemia in cattle. G.A.Simonian. Veterinariia 40 no.10:65-67 O '63.

Effectiveness of antibiotics against ringworm in cattle. V.P.Koroleva, V.P.Akulova. Veterinariia 40 no.10: 48-49 O '63.

CATTLE—FEEDING AND FEEDS see subdivision under Turkmenistan

CATTLE—PARASITES see Parasites—Cattle

CATTLE—PHYSIOLOGY

Characteristics of the internal organs and physiological features in the infrabreed types of Latvian brown cows. A.I.IAzerskaia. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:103-105 '64.

CATTLE—WATERING

Precast concrete watering troughs with pipeless automatic water supply. H.Fohel'. Sil'.bud. 13 no.1: 6-8 Ja '63.

CATTLE BREEDING

Basic problems of developing purebred and hybrid cattle. E.A.Arzumanian. Izv.TSKHA no.1:65-76 '60.

CATTLE LICE

Individual unsusceptibility of cattle to Linognathus infestation. A.M.Dubitskii. Paraz.sel'khoz.zhiv.Kazakh. 2:108-109 '63.

CAUCASUS—OIL FIELD BRINES

Using the thermal waters of the oil and gas fields of the Caucasus. G.M.Sukharev. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:17-19 '64.

CAUCASUS—OSTRACODA, FOSSIL

Relationship between the first and second layers of Oligocene ostracods in the Caucasus [with summary in English]. O.S.Vialov. Dop.AN URSR no.2:242-245 '64.

CAUCASUS—PETROLEUM GEOLOGY

Evaluating the prospects for finding gas and oil in the marginal sedimentation zones in the intermontane depression between the Lesser and Greater Caucasus. A.K.Aliev. Azerb.neft.khoz. 43 no.4:1-3 Ap '64.

Special features of the geological development of the Tenginsk-Beshbarmak zone of the Caspian-Kuba region in the Cretaceous period. Ch.U.Abdurashitov. Izv. vys.ucheb.zav.; neft' i gaz 6 no.12:13-15 '63.

CAUCASUS—PRICKLY PEAR

Prickly pears turning wild in the Caucasus. R.A.Rotov. Biul.Glav.bot.sada no.48:95-99 '63.

CAUCASUS—SYRPHUS FLIES

Materials on identifying palaearctic Syrphidae (Diptera) [with summary in English]. A.A.Shtakel'berg. Zool. zhur. 43 no.3:467-473 '64.

CAUCASUS, NORTHERN—AMMONOIDEA

Stankovich, E.S. [Ammonites of the Jurassic sand-clay sediments of the northwestern Caucasus] Ammonity iurskikh peschano-glinistykh otlozhenii Severo-Zapadnogo Kavkaza. Moskva, Izd-vo "Nauka," 1964. 97 p.

CAUCASUS, NORTHERN—BACTERIA, PHYTOPATHOGENIC

Bacterioses of soybean and their control in the Northern Caucasus. M.V.Krasnova. Agrobiologiia no.5:738-743 S-O '63.

CAUCASUS, NORTHERN—CAPITAL INVESTMENTS

Why the development of the trade system is lagging in the new districts. B.Bedenko. Sov.torg. 37 no.3:3-6 Mr '64.

CAUCASUS, NORTHERN—COMMUNIST PARTY OF THE SOVIET UNION

Coordinating the work of the party historians of Northern Caucasus. G.V.Malashenko. Vop.ist.KPSS 8 no.5: 148-149 My '64.

In the party archives of the Northern Caucasus. M.V. Grebennikov. Vop.ist.KPSS 8 no.4:154-155 Ap '64.

CAUCASUS, NORTHERN—EARTH TEMPERATURE

Geothermal conditions of the Middle Miocene sediments of the Northern Caucasus. I.IU.Kotsarev, S.P.Vlasova. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:124-125 '63.

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL

Tuapse zone of lateral shifts (northwestern Caucasus). Ch.B.Borukaev, A.I.D'iakonov. Dokl.AN SSSR 155 no.3:552-554 Mr '64.

CAUCASUS, NORTHERN—HEALTH RESORTS, WATERING PLACES, ETC.

Study of late results of health resort treatment of patients in clinics of the Balneological Institute in the Caucasian mineral waters region. E.IA.Stavskaia. Vop.kur., fizioter.i lech.fiz.kul't. 28 no.3:250-255 My-Je '63.

CAUCASUS, NORTHERN—LIZARDS

Taxonomic position and biology of the lizard Lacerta saxicola Eversmann in the northwestern boundary range of the Caucasus. G. P. Lukina. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:53-61 '63.

CAUCASUS, NORTHERN—MERINO SHEEP

Some characteristics of Groznyy Merino in the steppe zone of the Northern Caucasus. E.V.Drofa. Trudy Stavr.sel'khoz.inst. no.11:29-33 '62.

CAUCASUS, NORTHERN—OIL FIELD BRINES

Certain new data on the underground waters of ancient Caspian and Apsheron sediments in eastern Ciscaucasia. G.M.Sukharev, V.G.Pliushenko. Izv.vys.uch.zav.; neft' i gaz 5 no.9:11-16 '62.

CAUCASUS, NORTHERN—PETROLEUM

Investigating the hydrocarbon content of straight-run gasolines obtained from oils of the Northern Caucasus. E.S. Levchenko and others. Trudy GrozNII no.15:333-343 '62.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Principal results of geological prospecting and problems of regional investigations in the Northern Caucasus. M.S.Burshtar and others. Geol.nefti i gaza 8 no.1: 23-29 Ja '64.

Regularities in the distribution of the oil and gas pools in the Mesozoic sediments of western Ciscaucasia. A.A. Shimanskii. Geol.nefti i gaza 8 no.1:33-38 Ja '64.

CAUCASUS, NORTHERN—RAILROADS

The main line of the Northern Caucasus Railroad is celebrating its 100th anniversary. Elek. i tepl. tiaga 8 no.1:11 Ja '64.

CAUCASUS, NORTHERN—SOYBEAN—DISEASES AND PESTS

Bacterioses of soybean and their control in the Northern Caucasus. M.V.Krasnova. Agrobiologiia no.5:738-743 S-O '63.

CAUCASUS, NORTHERN—STORES, RETAIL

Why the development of the trade system is lagging in the new districts. B.Bedenko. Sov.torg. 37 no.3:3-6 Mr '64.

CAVERNOUS SINUS—SURGERY

Carotid-cavernous anastomoses. E.I.Svito. Zdrav.Bel. 9 no.6:25-29 Je '63.

CAVES see subdivision under Siberia

CAVITATION

Interaction of ultrasonic waves in cavitation. V.A. Akulichev, V.I.Il'ichev. Akust.zhur. 10 no.1;11-14 '64.

One-dimensional unsteady motion of a liquid with cavitation starting and developing. B.S.Kogarko. Dokl.AN SSSR 155 no.4:779-782 Ap '64.

Pulse pressures in the zone of a secondary erosion center. K.K.Shal'nev, N.P.Rubina. Dokl.AN SSSR 154 no.3:553-556 Ja '64.

Role of ultrasonic cavitation in reducing the viscosity of hydraulic fluids. M.E.Arkhangel'skii, K.IA.Sergeeva. Akust.zhur. 10 no.1;111-112 '64.

CECUM—SURGERY

Immediate and late results of resection of the ileocecal angle [with summary in English]. N.I.Tret'iakov. Khirurgiia 39 no.6;75-78 Je '63.

CELESTIAL MECHANICS see Mechanics, Celestial

CELIAC ARTERY

Celiac artery in Soviet Merino sheep. IU.A.Medvedev. Trudy Stavr.sel'khoz.inst. no.11;106-112 '62.

CELL DIVISION (BIOLOGY)

Effect of gonadotropin on the state and synthesis of DNA and on the intensity of cell division in the thymus of sexually immature rats. A.A.Beketova, A.M.Kuzin. Dokl.AN SSSR 155 no.4;978-980 Ap '64.

Genetics of tumor cells [with summary in English]. IU.M. Olenov. Izv.AN SSSR.Ser.biol. no.2;180-200 Mr-Ap '63.

Physiological death of cells in the body. S.S.Laguchev. Usp.sovr.biol. 56 no.2;274-283 S-O '63.

Various forms of the division of the nerve cells of intervertebral ganglia. O.P.Rzhevutskaia. Trudy Stavr. sel'khoz.inst. no.11;131-137 '62.

CELL METABOLISM

Denaturation and fragmentation of deoxyribonucleic acid in the cells of the animal organism [with summary in English]. B.I.Hol'dshtein, V.V.Herasymova. Ukr. biokhim.zhur. 35 no.1;3-18 '63.

CELL NUCLEI

Cytochemical study of nuclear elements in actinomycetes. Z.B.Shamina. Izv.AN SSSR.Ser.biol. no.3;460-464 My-Je '64.

Effect of ionizing radiation on the size of nuclei of the assimilating tissue of the leaf. P.A.Vlasiuk, V.V. Sil'chenko. Dokl.AN SSSR 155 no.3;668-669 Mr '64.

Effect of the intraperitoneal administration of radioactive colloidal gold in the nucleus size of tumor cells in Ehrlich's ascitic carcinoma [with summary in English]. S.M.Volodarskaia. Med.rad. 8 no.5;20-23 My '63.

Energy metabolism of the cell nucleus. V.S.Gaitskhoki Usp.sovr.biol. 57 no.1;30-49 Ja-F '64.

Existence of nucleoli at the early stages of cleavage. I.I.Kiknadze. TSitologiia 5 no.3;319-320 My-Je '63.

Morphology of the cells of Brown-Pearce tumors in cytological preparations. B.A.Babaeva. Lab.delo no.3:136-137 '64.

Nature of ribonucleic acid in nucleoli and residual chromosomes. M.I.Lerman. Dokl.AN SSSR 155 no.4: 950-952 Ap '64.

Quantitative cytochemical determination of RNA in the nuclei of acinic cells during the normal physiological cycle of the parotid gland in rats. N.V.Nechaeva. TSitologiia 5 no.3;339-343 My-Je '63.

CELLS

Differentiation of cellular elements in cerebrospinal fluid using fluorescence microscopy. T.IA.Liarskaia. Lab.delo no.3;137-138 '64.

Methodology of studying the plasmocyte reaction in immune animals. V.M.Zemskov. Lab.delo no.5:270-272 '64.

CELLS—MOTILITY

Observations in vivo of the movement of hairs in olfactory cells. A.A.Bronshtein. Dokl.AN SSSR 156 no.3; 715-718 '64.

CELLS—PERMEABILITY

Study of the permeability of glandular cells of the stomach with a modified Pentzoldt-Faber iodine-potassium test. I.S.TSimmerman, A.M.Chemodanova. Lab. delo no.3:161-164 '64.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Cellulose oxidized by nitrogen peroxide. Part 3: Kinetics of dissolution of polyglucuronic acid in alkalies [with summary in English]. I.Rusznak, D.Loval. Vysokom.soed. 6 no.3;551-558 Mr '64

Effect of feeds on the splitting of cellulose in the rumen of sheep. V.A.Moiseev. Trudy Inst.fiziol.AN Kazakh. SSR 5:25-32 '63.

Electron microscopy of cotton cellulose and its copolymers. Part 1: Particular features of cotton cellulose microstructure and of its radiation-induced graft copolymer with methacrylic acid. K.Kh.Razikov, U.Aziziv, Kh.U.Usmanov. Uzb.khim.zhur. 8 no.2;66-72 '64.

Interaction of cellulose with diketone. G.N.Kirillova, G.O.Radchenko. Zhur.prikl.khim. 37 no.4;916-920 Ap '64.

Relationship between molecular weight and intrinsic viscosity of cellulose in solutions of the cadmium ethylenediamine complex [with summary in English]. L.S.Bolotnikova, T.I.Samsonova. Vysokom.soed. 6 no.3:533-537 Mr '64.

Study of cellulose oxidized by nitrogen peroxide. Part 2: Effect of the accessibility and mean degree of polymerization of untreated cellulose on the degree of oxidation and solubility of the oxidized product in alkaline solution. [with summary in English]. I.Rusznak. Vysokom. soed. 6 no.1:174-179 Ja '64.

Study of the fine molecular structure of cellulose hydrate fibers by the determination of shear modulus [with summary in English]. N.V.Mikhailov and others. Vysokom.soed. 6 no.3;527-533 Mr '64.

Study of the structure of cellulose hydrate fibers by the method of sorption of quaternary ammonium bases from aqueous solutions [with summary in English]. N.V. Mikhailov, E.Z.Fainberg, L.A.Semenovskaia. Vysokom.soed. 6 no.3: 522-526 Mr '64.

Thermoplastic graft copolymers of cellulose [with summary in English]. R.M.Livshits and others. Vysokom. soed. 6 no.3;572 Mr '64.

CEMENT

Akademiia stroitel'stva i Arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Methods of activating cement and the effect of activation on the properties of cement] Metody aktivizatsii tsementov i vliianie aktivizatsii na svoistva betonov. Moskva, 1963. 39 p. (Nauchnye soobshcheniia)

[MICROFILM]

Characteristics of the curves showing the dependence of the strength of hardened cement on the calcium sulfate dihydrate content in cement. N.I.Fateeva, A.Z. Tagil'tsev, V.I.Bebeshko. Izv.vys.ucheb.zav.; stroi. i arkhit. 6 no.6:87-94 '63.

Correspondence technological conference on the chemicalization of the manufacturing processes in the cement industry. TSement 30 no.2:3-5 Mr-Ap '64.

Determining the viscosity of cement raw material mixtures in a pyro-plastic state. L.IA.Gol'dshtein and others. Trudy Giprotsement no.26:130-142 '63.

Expansible cement on the basis of blast furnace slag. L.P.Khundadze, K.S.Kutateladze, T.G.Gabadadze. Stroi.mat. 10 no.4:34 Ap '64.

Increase the area of cement use in the national economy; a survey of comments received by the editor. TSement 30 no.2:14 Mr-Ap '64.

Pneumatic method of feeding into a kiln beyond a continuous curtain of dust caught by electric filters. B.A.Petrov. TSement 30 no.2:17-19 Mr-Ap '64.

Possibility of producing high-quality cement from alkaline raw material. N.N.Kurganov, V.V.[illegible]. Trudy Giprotsement no.26:196-199 '63.

CEMENT—STORAGE

Automatically controlled cement storage near tracks. I.I.Mokhov. Biul.stroi.tekh. 20 no.11:43-44 N '63.

CEMENT—TESTING

New standard for the physical and mechanical testing of cement. G.M.Rushchuk, N.P.Shteiert, E.G.[illegible]. Trudy Giprotsement no.26:183-192 '63.

CEMENT—TRANSPORTATION

Pneumatic conveying of cement. V.V.Zubov. Mekh. stroi. 21 no.4:16 Ap '64.

CEMENT CLINKERS

Characteristics of preparing mixes during the [illegible] of fuel clinkers on the mineral part of Baltic Sea Region oil shale. L.S.Kogan, L.IA.Gol'dshtein. Trudy Giprotsement no.26:39-44 '63.

Dependence of the strength of portland-ash cements on the mineral composition of clinkers. V.A.P[illegible]. TSement 30 no.2:9-10 Mr-Ap '64.

Increasing the activity of clinkers. K.S.Kutateladze and others. TSement 30 no.2:7-8 Mr-Ap '64.

Introduce the system of the automatic control of clinker firing. I.M.Sidochenko and others. TSement 30 no.2: 15-17 Mr-Ap '64.

CEMENT CLINKERS—COOLING

Cooling clinkers in recuperators of rotary kilns. S.B. Perli, I.E.Edel'man. TSement 30 no.2:11-12 Mr-Ap '64.

CEMENT INDUSTRIES
(see also subdivision under Africa)

Achievements in the chemistry of cements at the service of technology. B.V.Volkonskii, M.M.Sychev. TSement 30 no.2:5-7 Mr-Ap '64.

Cast iron with bainite structure for making cylindrical pebbles. N.A.Voronova, S.A.Fedorova, N.T.[illegible]. Trudy Giprotsement no.26:54-62 '63.

Control of the quantity of cement additions. L.D. Bogdanova, T.G.Peresypkina. Trudy Giprotsement no.26:45-53 '63.

Lowering losses in manufacturing. TSement 30 no.2: 1-2 Mr-Ap '64.

CEMENT PLANTS—ELECTRIC EQUIPMENT

Production of local binding material from dust from rotary kiln electrostatic precipitators. IU.A.Sperantsev. Stroi.mat. 9 no.8:18-19 Ag '63.

CEMENT PLANTS—EQUIPMENT AND SUPPLIES

Improving the maintenance of equipment. I.D.Grin'ka. TSement 30 no.2:21 Mr-Ap '64.

SM 808A unit goes into operation. V.A.Vladimirov. Stroi.mat. 10 no.1:20 Ja '64.

CEMENT PLANTS—HYGIENIC ASPECTS

Reinov, V.M. [Industrial hygiene in a cement factory] Gigiena truda na tsementnom zavode. Moskva, Stroiizdat, 1964. 46 p.

CEMENT PLANTS—NOISE

Technical questions and answers. TSement 30 no.2:23 Mr-Ap '64.

CENTAUREA see subdivision under Crimea

CENTAUREA—EXTERMINATION see subdivision under Kherson Province

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM REGION—ECONOMIC GEOGRAPHY

Grishin, G.T., ed. [Zoning of the Central Black Earth Region from the point of view of economic geography] Ekonomiko-geograficheskoe raionirovanie chernozemnogo tsentra. Voronezh, Izd-vo Voronezhskogo univ., 1963. 262 p.
(NjP)

CENTRIFUGAL CASTING

Shrinkage porosity during the centrifugal casting of steel ingots. G.S.Mirzoian. Izv.vys.ucheb.zav.; chern.met. 7 no.6:140-146 '64.

CENTRIFUGAL PUMPS

Designing end packing for centrifugal pumps. A.V. Neiaglov, E.A.Buchacher. Trudy BashNII NP no.6: 251-258 '63.

Increasing the economic efficiency of the operation of centrifugal pumps in the transportation of highly viscous oils and mazuts through petroleum pipelines. S.A. Gross. Neft.khoz. 42 no.1:57-63 Ja '64.

Modernization of the cup packing of centrifugal pumps. A.P. Parkhod'ko. Sakh.prom. 37 no.12:47-49 D '63.

CENTRIFUGATION

Application of the super centrifuge dispersion analysis for investigating clay and kaolin fractions of less than 1μ. N.S. Belostotskaia. Trudy NIIStroikeramiki no.19:23-28 '62.

CENTRIFUGES

Hydrodynamics of the intrarotor flow in tubular supercentrifuges. V.I. Sokolov, A.A. Rusakova. Izv.vys. ucheb.zav.; pishch.tekh. no.2:96-100 '64.

Koval', B.A., and P.K. Gubskii. [Centrifuge operator of a coal preparation plant] TSentrifugovshchik ugleobogatitel'noi fabriki. Moskva, Izd-vo "Nedra," 1964. 77 p. (Bibliotechka molodogo obogatitelia)

Studying the process of separating grain mixtures by a centrifuge. A.P. Slepov. Trudy VNIIZ no.42:239-244 '63.

Theory of a conic vibrating centrifugal sorting machine. A.N. Zhuravlev. Trudy VNIIZ no.42:109-118 '63.

Vibration centrifuging of grain. A.F. Ul'ianov, A.I. Bochkarev, G.F. Kulakov. Trudy VNIIZ no.42:153-166 '63.

CENTRIFUGES—TESTING

Effect of the nonsymmetrical distribution of the mass of a suspended type centrifuge on its motion. M.I. Bovda. Trudy KTIPP no.27:145-156 '63.

CEPHEIDS

Cepheids in open clusters and period-luminosity relation. IU.N. Efremov. Astron.tsir. no.254:1-3 Jl '63.

Remarkable Cepheid YZ Virginis. V.P. TSesevich. Astron.tsir. no.266:4 O '63.

CERAMIC INDUSTRIES see subdivision under Turkmenistan

CERAMIC MATERIALS

Synthesis and properties of mullite-spinel ceramics. P.P. Budnikov, K.M. Zlochevskaia. Dokl.AN SSSR 155 no.1:158-161 My '64.

CERAMIC MATERIALS—HANDBOOKS, MANUALS, ETC.

Handbook on the production of building ceramics. R.L. Pevzner. Stroi.mat. 9 no.8:29-30 Ag '63.

CERAMIC METALS

[Handbook for a mechanical engineer in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N.S. Acherkan i dr. Moskva, Izd-vo "Mashinostroenie."

Vol.5. Book 2. Satel', E.A., ed. Izd.3., ispr. i dop. 1964. 454-920 p.

CERAMIC METALS—THERMAL PROPERTIES

Ropkin, IU.D. [Precipitation hardened, heat-resistant ceramic metal, (sintered aluminum powder) SAP-type alloys] Metallokeramicheskie dispersionno-uprochnennye zharoprochnye splavy tipa SAP. Kiev, Izd-vo AN USSR, 1964. 70 p.

CERAMIC PLANTS see subdivision under Lobnya (Moscow Province)

CERAMICS

Automatic control of the moisture content in ceramic paste. S.I. Golota. Mekh.i avtom.proizv. 18 no.5: 16-18 My '64.

Ceramic cores for modeling oil-bearing layers. K.A. Smirnova, Z.S. Rybakova. Trudy NIIStroikeramiki no.19:36-42 '62.

Facing keramzit-concrete panels with ceramic tiles. IU.I. Dolinskii. Stroi.mat. 10 no.4:23-25 Ap '64.

Method of determining the optimal drying conditions of ceramic blocks and the design of the drying kiln. M.S. Belopol'skii. Trudy NIIStroikeramiki no.19:75-91 '62.

The possibility of using Nizhne-Uvel'skaya clay for the production of sanitary-construction wares. T.Kh. Fedorova. Trudy NIIStroikeramiki no.19:3-15 '62.

Pressing in air and elastic expansion during the compression of lean coarse-grained ceramic bodies. F.V. Kondrashev, R.IA. Popil'skii. Trudy NIIStroikeramiki no.19:54-65 '62.

CERAMICS—TESTING

Apparatus for the complex study of the properties of precision cast ceramic molds. V.V. Pechkovskii, N.M. Prokhorov. Zav.lab. 30 no.5:623-626 '64.

CEREAL PRODUCTS—STORAGE

Changes of the quality of groats during storage. I. Salun and others. Muk.-elev.prom. 29 no.10:16-19 O '63.

CEREBELLUM

Conduction paths of the cerebellum. A.A. Guminskii. Uch.zap.MGPI 169:251-258 '62.

Effect of a short-term alteration of the cerebellum on the effect of the excitation of the motor area in the cerebral cortex. I.M. Gil'man. Uch.zap.MGPI 169: 229-236 '62.

Effect of the cerebellum on the coordinating function of the spinal cord. A.A. Guminskii. Uch.zap.MGPI 169: 189-204 '62.

Experimental studies of the localization of functions within the cerebellum. A.A. Guminskii. Uch.zap. MGPI 169:205-214 '62.

Functions of the cerebellum. A.N. Kabanov. Uch.zap. MGPI 169:175-188 '62.

Induced electrical activity of phylogenetically different regions of the cerebellum in cats. R.A. Grigor'ian. Dokl.AN SSSR 155 no.5:1237-1240 Ap '64.

Participation of the cerebellum in the motor reactions in connection with the characteristics of the histological structure of its cortex. I.M. Gil'man. Uch.zap.MGPI 169:237-249 '62.

Role of the cerebellum in the establishment of cortical coordination of movements. I.M. Gil'man. Uch.zap. MGPI 169:215-228 '62.

CEREBRAL ARTERIOSCLEROSIS

Cerebral blood circulation disorders in stenosis and occlusions of the middle cerebral artery. I.Kh. Zaretskaia. Zhur.nevr.i psikh. 64 no.2:232-238 '64.

Some characteristics of the cerebral electrical activity in the process of aging and in atherosclerosis. A.IA. Mints, N.L. Gorbach. Zhur.nevr.i psikh. 64 no.2: 219-224 '64.

Some forms of jealousy delirium in patients with cerebral arteriosclerosis in old age. M.G. Shchirina. Zhur.nevr.i psikh. 64 no.2:256-264 '64.

Some indices of heparin metabolism and fibrinolytic activity of the blood in patients with cerebral atherosclerosis with mental disorders. M.S. Tropper. Zhur. nevr.i psikh. 64 no.2:275-280 '64.

CEREBRAL CORTEX

Effect of a short-term alteration of the cerebellum on the effect of the excitation of the motor area in the cerebral cortex. I.M. Gil'man. Uch.zap.MGPI 169: 229-236 '62.

"Pure" alexia, its relation to other cortical functions and its dynamics during the process of restorative learning. S.V. Babenkova, V.N. Volkov. Zhur.nevr. i psikh. 64 no.2:166-171 '64.

Some forms of synapses in the cerebral cortex; electron-microscope studies. N.N. Bogolepov. Zhur.nevr.i psikh. 64 no.3:326-330 '64.

Spatial synchronization of the alpha-activity in the cerebral cortex in a catatonic-oneiroid form of schizophrenia. T.P. Borisova, V.A. Talavrinov. Zhur.nevr.i psikh. 64 no.3:420-427 '64.

CEREBRAL CORTEX—WOUNDS AND INJURIES

Motor and sensory disorders in dogs following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. R.G. Singatulin. Sbor.nauch. rab.IAr.med.inst. no.20:77-88 '59.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.1: Effect of limited injuries of the cerebral cortex in the region of the musculocutaneous analysor on unconditioned reflex secretion of the parotid gland. R.G. Singatulin. Sbor.nauch. rab.IAr.med.inst. no.20:56-66 '59.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.2: Conditioned reflex secretion following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. R.G. Singatulin. Sbor.nauch.rab.IAr.med.inst. no.20: 67-76 '59.

Skin temperature asymmetry. Report No.2: Changes in the skin temperature in limited injuries of the cerebral cortex. E.I. Kuznetsov. Sbor.nauch.rab.IAr.med.inst. no.20:36-45 '59.

Skin temperature asymmetry. Report No.3: Effect of a limited injury of the cerebral cortex in the region of the musculocutaneous analysor on the asymmetry of skin temperature following unilateral sympathectomy. E.I. Kuznetsov. Sbor.nauch.rab.IAr.med.inst. no.20:46-55 '59.

CEREBRAL PALSY

Changes in statics in cerebral spastic paralysis patients following surgery for tendon elongation. V.M. Pigin. Ortop.,travm.i protez. 24 no.10:36-41 O '63.

Surgical treatment of pronation contracture of the forearm in cerebral spastic paralysis. G.I. Ulitskii, E.I. Shapiro. Ortop.,travm.i protez. 24 no.10:61-64 O '63.

Treatment of cerebral spastic paralysis; review of foreign literature. E.P. Mezhenina. Ortop.,travm.i protez. 24 no.10:76-80 O '63.

CEREBROSPINAL FLUID

Change in the spectral properties of the cerebrospinal fluid in brain tumors. V.A. Del'va. Vop.neirokhir. 27 no.5:53-54 S-O '63.

Differentiation of cellular elements in cerebrospinal fluid using fluorescence microscopy. T.IA. Liarskaia. Lab.delo no.3:137-138 '64.

Review of G.P. Burgman's book "Cytology of the cerebrospinal fluid in cerebral tumors." E.A. Kost. Lab.delo no.4:254-255 '64.

CEREBROVASCULAR DISEASE

Clinical aspects of associated lesions of the main vessels of the head. K.F. Kanareikin, I.S. Kurilenko. Zhur. nevr.i psikh. 64 no.2:161-165 '64.

E.V. Shmidt. Stenosis and thrombosis of the carotid arteries and disorders of cerebral blood circulation. P.M. Saradzhishvili. Zhur.nevr.i psikh. 64 no.3:478-479 '64.

Hemispheric arterial blood circulation of the brain and some compensatory vascular reactions in carotid-cavernous anastomoses. F.A. Serbinenko. Zhur.nevr. i psikh. 64 no.2:205-211 '64.

Hypoxemic factor in hypertension and cerebrovascular crises. E.N. Kozlova. Zhur.nevr.i psikh. 64 no.3: 376-379 '64.

Observations on the state of the white blood cells in acute disorders of cerebral blood circulation. B.B. Kartasheva. Lab.delo no.3:133-135 '64.

Second Soviet-Rumanian scientific session devoted to vascular diseases of the brain. E.V. Shmidt. Vest. AMN SSSR 18 no.2:88-92 '63.

Some characteristics of aphasic disturbances in thromboses and stenosis of the internal carotid and middle cerebral arteries. L.G. Stoliarova. Zhur.nevr.i psikh. 64 no.2:225-231 '64.

CERESIN

Paraffin and ceresin potentials in Shkapovo oil. I.I. Cherek, V.V. Vorob'eva. Trudy BashNII NP no.6: 122-126 '63.

Possible fields of application for the low-melting components of paraffins and ceresins from sour crudes. I.I. Cherek, V.V. Vorob'eva. Trudy BashNII NP no.6: 127-133 '63.

CERIUM—ANALYSIS

Photometric determination of cerium in a methyl alcohol suspension of aluminum oxide [with summary in English]. N.G. Mendlina. Zhur.anal.khim. 18 no.3:408-409 Mr '63.

CERIUM-MAGNESIUM-NEODYMIUM ALLOYS see Magnesium-cerium-neodymium alloys

CESAREAN SECTION

Rupture of the uterus along the cicatrix of a former cesarean section with a transverse section of the lower segment. E.A. Korneichuk. Zdrav.Turk. 8 no.1:22 Ja '64.

Using the cesarean section. V.M. Voskoboinikov. Veterinariia 40 no.10:39-40 O '63.

ČESKÉ STŘEDOHOŘÍ—PYROPE

Pyropes from the Carboniferous sediments of the České Středohoří. M. Kralova, R. Kral, I. Fiala. Izv.AN SSSR.Ser.geol. 29 no.4:68-73 Ap '64.

CESTODA

Biology of the cestode Multiceps skrjabini Popov, 1937. V.I. Bondareva, R. Nurlybaeva. Paraz.sel'khoz.zhiv. Kazakh. 2:19-21 '63.

CEYLON—COMMERCE

Molchanov, G.P. [Ceylon] TSeilon. Moskva, Izd-vo "Mysl'," 1964. 155 p. (Sotsial'no-ekonomicheskie problemy razvivaiushchikhsia stran)

CEYLON—ECONOMIC CONDITIONS

Molchanov, G.P. [Ceylon] TSeilon. Moskva, Izd-vo "Mysl'," 1964. 155 p. (Sotsial'no-ekonomicheskie problemy razvivaiushchikhsia stran)

CHAINS

Use and repair of bushed roller chains. V.I. Vasilenko. Mashinostroenie no.2:90-92 Mr-Ap '64.

CHALCID FLIES see subdivision under Khachmas region (Azerbaijan); Kuba region

CHALCOGENS

Chromium chalcogenosulfide. S.S. Batsanov, L.M. Doronina, N.V. Podberezskaia. Dokl.AN SSSR 154 no.3:624-626 Ja '64.

CHALCONE

Chalcone glycosides of Glycyrrhiza glabra L. V.I. Litvinenko. Dokl.AN SSSR 155 no.3:600-602 Mr '64.

CHAMZINKA DISTRICT—AGRICULTURE—STUDY AND TEACHING

Our practice. P. Novikov. Nar.obr. no.5:44 My '64.

CHAPAYEVSK REGION—OIL FIELD FLOODING

Injection of field waste waters into wells of the Oil Field Administration of the Chapayevsk Petroleum Trust. A.M. Zlobin. Neftepromdelo no.10:19-23 '63.

CHARACTERS AND CHARACTERISTICS IN LITERATURE

[illegible] in Soviet literature. V.Chalmaev. [illegible] 41 no.5:70-83 My '64.

[illegible] see subdivision under **Dnieper Valley**

CHASTUSHKI

[illegible], [illegible] [Chastushki of the Khoper collective farms] Chastushki kolkhoznogo Khopra. [Stalingrad] Knizhnoe izd-vo, 1959. 51 p. ([illegible])

CHAVCHAVADZE, IL'IA GRIGOR'EVICH, 1837-1907

[illegible], V.D. [Il'ia Chavchavadze and the ethnography of Georgia] Il'ia Chavchavadze i etnografiia Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR] 1963 123 p. (Akademiia nauk Gruzinskoi SSR. Nauchno-populiarnaia seriia) [In Georgian] (MH)

CHEBOKSARY—INFLUENZA

[illegible] in Cheboksary, Chuvashia, in May-[illegible] N.V.Sergeev, T.I.Gorbunova. Vop.med. [illegible]

CHECHEN-INGUSH A.S.S.R.—ANTIQUITIES

[illegible] monuments of the stone age in the Chechen-Ingush A.S.S.R. V.P.Liubin. Biul.Kom. [illegible] '63.

CHECHEN-INGUSH A.S.S.R.—HISTORY

Khasbulatov, A.I. [Chechen-Ingushia on the eve of the first Russian bourgeois-democratic revolution] Checheno-Ingushetiia nakanune pervoi russkoi burzhuazno-demokraticheskoi revoliutsii. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1963. 75 p. (K istorii narodov Checheno-Ingushetii)
(CSt-H)

CHECHEN-INGUSH A.S.S.R.—NAMES, GEOGRAPHICAL

Grammatical means of forming toponyms in Chechen. K.Z.Chokaev. Izv.Chech.-Ing.nauch.-issl.inst.ist., iaz.i lit. 3 no.2:151-154 '62.

CHECHEN-INGUSH A.S.S.R.—OIL FIELDS—THERMODYNAMICS

Establishing a thermodynamic basis for the laws of the distribution of the Upper Cretaceous oil pools in the Chechen-Ingush A.S.S.R. A.N.Reznikov. Geol.nefti i gaza 8 no.1:32-41 Ja '64.

CHECHEN-INGUSH A.S.S.R.—OIL WELL DRILLING

Nikanorov, M.M., and V.G.Belikov. [Drilling deep wells; work practices of petroleum workers in Chechen-Ingush] Burenie glubokikh skvazhin; opyt neftianikov Checheno-Ingushetii. Moskva, Izd-vo "Nedra," 1964. 154 p.

CHECHEN-INGUSH A.S.S.R.—PETROLEUM—ANALYSIS

Oil of the upper Cretaceous sediments of the Chechen-Ingush A.S.S.R. E.S.Levchenko, E.N.Bobkova, E.A. Ponomareva. Trudy GrozNII no.15:16-25 '63.

CHECHEN-INGUSH A.S.S.R.—PETROLEUM REFINING

Obtaining MS-20 aircraft oil from a mixture of petroleums of the upper Cretaceous sediments in the Chechen-Ingush A.S.S.R. O.A.Artem'eva, A.G.Martynenko, S.I.Stepuro. Trudy GrozNII no.15:220-228 '63.

CHECHEN-INGUSH A.S.S.R.—POLITICS AND GOVERNMENT

Ivanov, N.A. [In a leading rural soviet of the Chechen-Ingush A.S.S.R.] V peredovom stanichnom Sovete Checheno-Ingushskoi ASSR. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1960. 43 p.
[MICROFILM]

CHECHEN-INGUSH A.S.S.R.—SUNFLOWERS—IRRIGATION

Sunflower under irrigation. P.G.Semikhnenko, B.K. Ignat'ev. Zemledelie 26 no.4:73-74 Ap '64.

CHECHEN LANGUAGE—DIALECTS
(see also subdivision under Georgia)

Some phonetic characteristics of the Shatoev dialect of Chechen. V.D.Timaev. Izv.Chech.-Ing.nauch.-issl. inst.ist.,iaz.i lit. 3 no.2:155-157 '62.

CHECHEN LANGUAGE—GRAMMAR

Postpositions in the Chechen and Ingush literary languages. F.G.Ozdoeva. Izv.Chech.-Ing.nauch.-issl.inst.,ist., iaz.i lit. 3 no.2:89-150 '62.

CHECHEN LANGUAGE—PHONETICS

Some phonetic characteristics of the Shatoev dialect of Chechen. V.D.Timaev. Izv.Chech.-Ing.nauch.-issl. inst.ist.,iaz.i lit. 3 no.2:155-157 '62.

CHECHEN LANGUAGE—VOWELS

Nasalization of vowels in modern literary Chechen. V.Vagapov. Izv.Chech.-Ing.nauch.-issl.inst.ist.,iaz. i lit. 3 no.2:158-160 '62.

CHECHEN LANGUAGE—WORD FORMATION

Grammatical means of forming toponyms in Chechen. K.Z.Chokaev. Izv.Chech.-Ing.nauch.-issl.inst.ist., iaz.i lit. 3 no.2:151-154 '62.

CHECKS see subdivision under **Chelyabinsk Province**

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Chekhov, the reader. M.Bochkareva. V mire knig 3 no.7:42 Jl '63.

CHELATES

Four-coordinate chelates with unequally paired ligands. A.P.Terent'ev, E.G.Rukhadze, G.V.Panova. Dokl. AN SSSR 155 no.4:872-873 Ap '64.

CHELATES—OPTICAL PROPERTIES

Optical rotatory dispersion of pyridoxylideneamino acids with metal ions. IU.M.Torchinskii, L.G.Koreneva. Dokl.AN SSSR 155 no.4:961-963 Ap '64.

CHELEKEN PENINSULA—COAST CHANGES

Begendzhev, B.M. [Dynamics and morphology of the coasts of the Cheleken Peninsula] Dinamika i morfologiia beregov poluostrova Cheleken. Pod red. D.M. Suleimanova. Baku, Akad.nauk Azerbaidzhanskoi SSR, 1960. 157 p.
[MICROFILM]

CHELYABINSK—INFLUENZA

Serologic diagnosis of influenza in Chelyabinsk in 1957. G.M.TSauzner and others. Vop.med.virus. no.5 pt.2:81-83 '58.

CHELYABINSK PROVINCE—CHECKS

Expand payments by checks. A.Gol'd. Den.i kred. 22 no.3:63-65 Mr '64.

CHELYABINSK PROVINCE—PERSONNEL MANAGEMENT

A novice comes to the workshop. V.Soifer. Sov.profsoiuzy 20 no.8:18-19 Ap '64.

CHELYABINSK PROVINCE—TRADE UNIONS

A novice comes to the workshop. V.Soifer. Sov.profsoiuzy 20 no.8:18-19 Ap '64.

CHEMICAL AFFINITY

Electron affinity energy of copper, silver, and gold atoms as determined by the surface ionization method. I.N.Bakulina, N.I.Ionov. Dokl.AN SSSR 155 no.2: 309-311 Mr '64.

CHEMICAL APPARATUS

Glass plastics clad with chemically stable thermoplastics. Production methods and technology of the manufacture of chemical apparatus. S.I.Sukhov, A.N.Levin. Plast. massy no.5:33-38 '64.

Processes of regeneration of moisture absorbents in a cyclone-froth apparatus. S.A.Bogatykh. Zhur.prikl. khim. 37 no.4:851-860 Ap '64.

Semiautomatic laboratory device for measuring equal portions of gas. R.I.Alekseev, E.A.Tokarskaia. Zav. lab. 30 no.5:636 '64.

CHEMICAL BONDS

Calculation of the energy of bonds between the catalyst surface and the reacting atoms of organic molecules (on the article by V.Kh.Matiushenko "Theory of catalyst selection and the bond energy"). A.A.Slinkin, G.I. Levi, S.L.Kiperman. Zhur.fiz.khim. 37 no.3:712-715 Mr '63.

Cleavage of C-C bonds in the derivatives of "baroncarboxylic acids." L.I.Zakharkin, IU.A.Chapovskii. Izv.AN SSSR.Ser.khim. no.4:772 Ap '64.

Energy of the pure component in the theory of regular atomic solutions. D.M.Laptev. Izv.vys.ucheb.zav.; chern.met. 7 no.4:20-25 '64.

Estimation of the state of chemical bonds from the superfine structure of electron paramagnetic resonance spectra of manganese. L.V.Bershov, A.S.Marfunin. Dokl.AN SSSR 155 no.3:632-635 Mr '64.

Silicocyclobutanes. Strength of the Si - C bond in the silicocyclobutane ring and the synthesis of new silicocyclobutane derivatives. N.S.Nametkin, V.M.Vdovin, P.L.Grinberg. Dokl.AN SSSR 155 no.4:849-852 Ap '64.

Some strength characteristics of chemical bonds of Ti_6O, Ti_3O formed from α-solid solutions of the titanium-oxygen system. I.I.Kornilov, V.V.Glazova. Dokl.AN SSSR 154 no.3:638-641 Ja '64.

CHEMICAL COMPOUNDS

Addenda 2: Vapor pressure of some compounds. Metod. anal.khim.reak.i prepar. no.7:85-86 '63.

Models of degenerate chain-branching reactions with several intermediate products [with summary in English]. E.T.Denisov. Zhur.fiz.khim. 36 no.11:2352-2361 N '62.

CHEMICAL ELEMENTS

Addenda 1: Vapor pressure of some elements. Metod. anal.khim.reak.i prepar. no.7:83-84 '63.

Geochemical classification of elements. A.I.Perel'man. Priroda 53 no.5:8-19 '64.

Leningrad. Universitet. [Chemistry of the rare elements] Khimiia redkikh elementov. [Leningrad] Izd-vo Leningr. univ., 1964. 160 p.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref.zhur.; Khim.i khol.mashinostr. no.5 My '64.

CHEMICAL ENGINEERING—MATHEMATICAL MODELS

Development of mathematical descriptions of the [illegible] processes in chemical technology. V.V.Kafarov, V.[illegible] Plitoo, V.L.Perov. Khim.prom. no.3:210-221 Mr '64.

CHEMICAL EQUILIBRIUM

Relation between thermal effects of inorganic reactions taking place at the same temperatures. V.A.Kireev, V.B.Gorbushina. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:29-33 '64.

CHEMICAL GENETICS

Berdyshev, G.D., and V.A.Ratner. [Code of heredity] Kod nasledstvennosti. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 185 p. (Uchenye Sibiri o dostizheniiakh nauki)

CHEMICAL INDUSTRIES
(see also subdivision under Europe, Eastern; Hungary; Kazakhstan; Kiev Province; Soviet Central Asia; Ukraine; Ural Mountain region; White Russia)

Accelerated development of the chemical industry is the most important condition for the rise of agricultural production and improvement in the nation's welfare. Azerb.khim.zhur. no.1:3-15 '64.

Accelerated development of the chemical industry is a national objective. Prom.energ. 19 no.2:2-4 F '64.

Advanced method for work planning in the automation of chemical processes. K.K.Kirdin. Khim.prom. no.3: 211-218 Mr '64.

Approval of the plan for fulfilling the decisions of the December (1963) Plenum of the Central Committee of the CPSU. Biul.stroi.tekh. 21 no.2:1 F '64.

Brief news. Sov.torg. 37 no.4:60-63 Ap '64.

Chemical industries and radio-electronics. [illegible] 19 no.4:3-4 Ap '64.

Decisions of the December Plenum of the Central Committee of the CPSU and the tasks of construction workers. A.Etmekdzhiian. Ekon.stroi. no.3:4-9 Mr '64.

Green light to the products of the chemical industry. B.Romanov. Avt.transp. 42 no.4:13-14 Ap '64.

Impatience. A.Mandrugin. NTO 6 no.4:16-16 Ap '64.

Information. Khim.prom. no.3:234-237 Mr '64.

Let us devote all our strength to the solving of the most important problems of the building of communism. M.IAsnov. Den.i kred. 22 no.4:3-9 Ap '64.

Location of the chemical industry. N.Fedorenko, A.[illegible]. Plan.khoz. 41 no.5:24-32 My '64.

Plus chemicalization. V.Koval'. Sov.voin 46 no.2:2-3 Ja '64.

Polymeric materials should be used on a wider and more effective scale. Elek.i tepl.tiaga 8 no.1:1-4 Ja '64.

Polymers and chemicals in trade. B.Liudakov. Sov. torg. 37 no.3:48-50 Mr '64.

Prospects for the development of the petroleum and chemical industries in the Soviet Union. N.N.Baibakov. Neft.khoz. 42 no.1:1-8 Ja '64.

Providing the chemical industry with aromatic hydrocarbons. G.F.Borisovich, Z.S.Kalashnikova. Khim. prom. no.3:161-163 Mr '64.

Put chemistry on the big screen. N.N.Semenov. Isk. kino 34 no.2:2-4 '64.

Several problems of studying the economic efficiency of the comprehensive use of chemistry in the national economy. E.Savinskii. Vop.ekon. no.4:22-34 Ap '64.

CHEMICAL INDUSTRIES—ACCOUNTING

How to analyze operation of indices of chemical enterprises. M.Raiskina. Fin.SSSR 38 no.4:84-89 Ap '64.

CHEMICAL INDUSTRIES—BY-PRODUCTS

[Utilization of chemical industry by-products] Ispol'zovanie otkhodov khimicheskogo proizvodstva; sbornik statei. Perm', Permskoe knizhnoe izd-vo, 1960. 62 p.
[MICROFILM]

CHEMICAL INDUSTRIES—ELECTRIC EQUIPMENT

Danger of acetylene explosion and explosionproof electrical equipment. IU.M.Ribas. Prom.energ. 19 no.4: 31-36 Ap '64.

CHEMICAL INDUSTRIES—FINANCE
(see also subdivision under Bashkiria; Middle Ural Economic region)

Develop and improve the State Bank's credit relations with the chemical industry in every way possible. E.Mitel'man. Den.i kred. 22 no.4:16-24 Ap '64.

Development of the large-scale chemistry and objectives of financial organs. Fin.SSSR 38 no.3:3-7 Mr '64.

Issuing credit to chemical industry enterprises. M.Rabinovich. Den.i kred. 22 no.4:25-28 Ap '64.

Organization of the working capital of chemical industry enterprises. M.Dovetov, G.Serebrianyi. Fin.SSSR 38 no.4:20-24 Ap '64.

CHEMICAL INDUSTRIES—MANAGEMENT see subdivision under Aktyubinsk; Navoy (Bukhara Province)

CHEMICAL INDUSTRIES—SAFETY MEASURES

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Safety measures and industrial sanitation in the chemical industry; rules, regulations, standards, and instructions] Tekhnika bezopasnosti i proizvodstvennaia sanitariia v khimicheskoi promyshlennosti; sbornik postanovlenii, pravil, norm i instruktsii. Moskva, Izd-vo "Khimiia," 1964. 663 p.

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Armenia)

People of know-how on an important front. V. Ivanov. Sov. profsoiuzy 20 no.8:4-6 Ap '64.

CHEMICAL LABORATORIES

At a laboratory of the Novomoskovsk Chemical Combine. I. IA. Azbel'. Zav. lab. 30 no.5:637-638 '64.

CHEMICAL MACHINERY

(see also subdivision under Ukraine)

Making airtight cameras for the operation in the inert gas atmosphere. A. A. Voskresenskii. Zav. lab. 30 no.5:635-636 '64.

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Kzyl-Orda; Leninogorsk; Middle Ural Economic region; Novokuybyshevsk, Kuybyshev Province; Novomoskovsk, Tula Province; Ust'-Kamenogorsk)

Chemical equipment should work at full capacity. S. Malyshev. Fin. SSSR 38 no.3:27-29 Mr '64.

Decisions of the December Plenum of the Central Committee of the CPSU and the tasks of construction workers. A. Et[illegible]kdzhian. Ekon. stroi. no.3:4-9 Mr '64.

From the experience in constructing a new shop of a by-product coke plant. I. A. Afanas'ev, A. G. Piatkovskii, K. Dzemit. Prom. stroi. 41 no.12:16-19 D '63.

CHEMICAL PLANTS—FIRES AND FIRE PREVENTION

Development of chemistry and fire prevention. M. Zemskii. Pozh. delo no.3:2-3 Mr '64.

CHEMICAL REACTION, RATE OF

Compensation relation between n and K in topokinetic reactions. B. V. Erofeev, V. A. Protashchik. Dokl. AN SSSR 155 no.3:647-650 Mr '64.

Concerning a method for the approximate integration of some kinetic equations. M. I. Gorfinkel', M. D. Lindenbaum. Zhur. fiz. khim. 36 no.11:2472-2474 N '62.

Determination of constants in kinetic equations [with summary in English]. V. Kh. Matiushenko. Zhur. fiz. khim. 37 no.3:517-525 Mr '63.

Determination of the kinetic constants of interaction between positronium and inorganic ions. V. I. Gol'danskii, V. G. Firsov, V. P. Shantarovich. Dokl. AN SSSR 155 no.3:636-639 Mr '64.

Kinetics of chemical reactions at high pressures. M. G. Gonikberg. Zhur. fiz. khim. 37 no.3:477-489 Mr '63.

Kinetics of chemical reactions between gaseous and liquid reactants proceeding in a stationary system with change in volume. G. M. Panchenkov, IU. M. Zhorov. Zhur. fiz. khim. 36 no.11:2520-2524 N '62.

Models of degenerate chain-branching reactions with several intermediate products [with summary in English]. E. T. Denisov. Zhur. fiz. khim. 36 no.11:2352-2361 N '62.

New relationship in topokinetic reactions. B. V. Erofev, V. A. Protashchik. Dokl. AN BSSR 8 no.1:39-40 Ja '64.

Nonisothermal determination of the kinetic parameters of a monomolecular reaction. B. M. Moiseev. Zhur. fiz. khim. 37 no.3:685-686 Mr '63.

Rate limiting reaction in a converter bath. S. I. Popel', V. V. Pavlov. Izv. vys. ucheb. zav.; chern. met. 7 no.4:5-10 '64.

Reactions of nitrogen atoms. Report No.2: Rate constant and the mechanism of the elementary reaction of nitrogen atoms with ethylene. L. I. Avramenko, V. M. Krasnen'kov. Izv. AN SSSR. Ser. khim. no.4:600-604 Ap '64.

Steric factors and rate constants of recombination reactions of alkyl radicals. V. A. Ulitskii, A. D. Stepukhovich. Zhur. fiz. khim. 37 no.3:689-691 Mr '63.

Temperature dependence of the kinetic characteristics of exothermal reactions in the condensed phase. B. V. Novozhilov. Dokl. AN SSSR 154 no.3:690-691 Ja '64.

CHEMICAL REACTIONS

Characteristics of high-temperature interaction of carbon particles with gases. G. P. Khaustovich, E. S. Golovina. Inzh.-fiz. zhur. 7 no.3:92-96 Mr '64.

Chemical transformations at low temperatures. V. V. Voevodskii. Vest. AN SSSR 34 no.2:56-62 F '64.

Equivoluminal formulae of minerals. V. G. Bogolepov. Vest. AN Kazakh. SSR 19 no.11:86-89 N '63.

Surface effect of a chemical process. A. A. Zhukhovitskii, V. A. Grigorian, E. Mikhalik. Dokl. AN SSSR 155 no.2:392-394 Mr '64.

Thermodynamics of chemical reactions of the same type chemical reactions. V. A. Kireev. Zhur. fiz. khim. 36 no.11:2547-2550 N '62.

CHEMICAL REACTORS

Design of reactors for the synthesis of methylchlorosilanes taking the kinetic factors into account. R. S. Fraiman. Zhur. prikl. khim. 37 no.4:911-914 Ap '64.

Determination of the optimal correlations of volumes of reactors of complete mixing in a cascade. K. Khartmann, B. V. Passet, I. S. Pavlushenko. Zhur. prikl. khim. 37 no.4:838-844 Ap '64.

Theory of reactors operating with the recycling system (on temperature gradient). M. F. Nagiev, P. V. Karamzin, Z. A. Zaitseva. Azerb. khim. zhur. no.1:105-110 '64.

CHEMICAL REACTORS—SAFETY MEASURES

Explosionproof system for liquid-phase oxidation of toluol by atmospheric oxygen. A. I. Rozlovskii, I. IA. Borisova. Khim. prom. no.3:199-201 Mr '64.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL RESEARCH

Important results of some theoretical works as reported at a meeting of the Department of Theoretical and Technical Chemistry. V. A. Getling. Vest. AN SSSR 34 no.2:47-49 F '64.

Principal tasks facing the chemical sciences. V. A. Kargin, M. I. Rokhlin. Vest. AN SSSR 34 no.1:3-9 Ja '64.

CHEMICAL STRUCTURE

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 1: Obtaining various supermolecular structures during formation of gutta-percha films and study of their mechanical properties [with summary in English]. V. A. Kargin, T. I. Sogolova, L. I. Nadareishvili. Vysokom. soed. 6 no.1:165-168 Ja '64.

Effect of the chemical structure of unsaturated esters on their ability to polymerize. Part 2: Substituted acrylates and methacrylates [with summary in English]. A. I. Volkova, M. M. Koton. Vysokom. soed. 6 no.3:480-483 Mr '64.

New determination of the atomic and electronic structure of dicyandiamide. Z. V. Zvonkova, V. IA. Krivnov, A. N. Khvatkina. Dokl. AN SSSR 155 no.2:398-401 Mr '64.

Synthesis and structure of soluble lithium alcoholates. T. V. Talalaeva and others. Izv. AN SSSR. Ser. khim. no.4:638-644 Ap '64.

CHEMICAL TESTS AND REAGENTS

2-Aminothiazolediacetic acid and 2-amino-6-methoxybenzothiazolediacetic acid. V. G. IAshunskii, V. V. Sidorenko. Metod. poluch. khim. reak. i prepar. no.6:60-62 '62.

Bisthiosalicylidene-ethylenediamine. R. P. Lastovskii, V. IA. Temkina, I. A. Seliverstova. Metod. poluch. khim. reak. i prepar. no.6:44-46 '62.

Iminodiacetic acid. R. P. Lastovskii, V. IA. Temkina, I. P. Fadeeva. Metod. poluch. khim. reak. i prepar. no.6:59-60 '62.

Most important reagents for luminescence analysis. Metod. anal. khim. reak. i prepar. no.4:130-152 '62.

4-Phenyl-8-aminoquinoline. A. A. Bylinkina, N. P. D'iakova. Metod. poluch. khim. reak. i prepar. no.6:50-51 '62.

4-Phenyl-8-nitroquinoline. S. A. Kochetkova, A. A. Bylinkina, N. P. D'iakova. Metod. poluch. khim. reak. i prepar. no.6:48-50 '62.

Study of 8-mercaptoquinoline (thioöxine) and its derivatives. Report No. 29: Use of thioöxine for the extractive purification of reagents by removing heavy metal impurities [with summary in English]. IU. A. Bankovskii, L. M. Chera, A. F. Ievinsh. Zhur. anal. khim. 19 no.1:46-53 '64.

CHEMICAL WARFARE—SAFETY MEASURES

Protection from war gas and radioactive substances at night. M. Pil'chevskii. Voen. vest. no.3:47 Mr '64.

Take meteorological conditions into consideration. S. Pavlov. Voen. vest. no.3:44-47 Mr '64.

CHEMICAL WORKERS—EDUCATION AND TRAINING

(see also subdivision under Kazan)

Let's train personnel for the chemical industry. M. Nikolaeva. Prof.-tekh. obr. 21 no.4:27 Ap '64.

CHEMICALS INDUSTRY

Chromatographic determination of carbon monoxide, methane, and acetylene in high-purity ethylene. Z. A. Litiaeva, P. I. Markosov, V. N. Zaichenko. Trudy KF VNII no.8:110-124 '62.

CHEMISTRY

Akademiia nauk SSSR. [Lectures by chemists] Rasskazyvaiut uchenye-khimiki. Moskva, Izd-vo "Nauka," 1964. 254 p. (Nauchno-populiarnaia seriia)

Duty of all libraries. B. Bachaldin, L. Zaderman. Bibliotekar' no.5:13-17 My '64.

Geology serves the chemicalization of the national economy. Izv. AN SSSR. Ser. geol. 29 no.1:3-7 Ja '64.

Nauchnaia konferentsiia institutov khimii akademii nauk Azerbaidzhanskoi, Armianskoi i Gruzinskoi SSR, Erivan, 1957. [Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaijan, Armenian, and Georgian S.S.R.] Materialy... Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 396 p.

Our most important task. I. Ivaneev. Bibliotekar' no.5:17-18 My '64.

Strengthen the ties between chemistry and biological science. Usp. sovr. biol. 57 no.1:3-10 Ja-F '64.

Vsesoiuznoe khimicheskoe obshchestvo imeni D. I. Mendeleeva. Voronezhskoe otdelenie. [Transactions of the Voronezh Branch of the D. I. Mendeleev All-Union Chemical Society] Sbornik trudov. [Voronezh] Voronezhskoe knizhnoe izd-vo.

No. 2. Palkin, A. P. and others, eds. 1959. 184 p. [MICROFILM]

CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur.: Khim. no.8 Ap '64. Avtorskii ukazatel' za 1962 g.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—CONGRESSES

Conference on Modern Methods of Analytical Chemistry. A. V. Kariakin. Vest. AN SSSR 34 no.1:84-86 Ja '64.

Nineteenth International Congress of the International Association of Theoretical and Applied Chemistry. A. N. Kost. Vest. AN SSSR 34 no.1:83-84 Ja '64.

CHEMISTRY—STUDY AND TEACHING

(see also subdivision under Kiev Province; Uzbekistan)

Let's build a course on the principle "How and why"; conference by correspondence goes on. G. S. Vozdvizhenskii, N. S. Akhmetov. Vest. vys. shkoly 22 no.4:23-26 Ap '64.

Urgent problems of the teaching of chemistry in secondary schools. O. I. Astakhov, O. M. Rus'ko. Rad. shk. 42 no.2:3-8 F '64.

CHEMISTRY, ANALYTICAL

Analytical application of bisazoderivatives of chromotropic acid [with summary in English]. S. B. Savvin, IU. M. Dedkov. Zhur. anal. khim. 19 no.1:21-27 '64.

Benzylamine-N,N-acetoacetic acid. R. P. Lastovskii, I. D. Kolpakova, N. I. Ivanova. Metod. poluch. khim. reak. i prepar. no.6:62-63 '62.

Chemical characteristics of the preparation Honsuride. G. D. Zenkevich. Lab. delo 9 no.4:23-26 Ap '63.

Disodium salt of magnesium ethylenediaminetetraacetate. R. P. Lastovskii and others. Metod. poluch. khim. reak. i prepar. no.6:83-84 '62.

Disodium salt of zinc ethylenediaminetetraacetate. R. P. Lastovskii and others. Metod. poluch. khim. reak. i prepar. no.6:84-85 '62.

Methodology for determining sialic acids. M. T. Nesterenko, O. A. Virovets. Lab. delo no.4:195-200 '64.

"Methods of analysis of high-purity substances and single crystals." Vol. 1. Reviewed by V. M. Ivanov. Zhur. anal. khim. 18 no.3:415-416 Mr '63.

Nephelo-colorimetric method of determination of lead in biological fluids [with summary in English]. L. E. Gorn. Vop. med. khim. 8 no.6:626-627 N-D '62.

"Principles of analytical chemistry (qualitative and quantitative analysis)" by A. P. Kreshkov. Reviewed by M. Kh. Karapet'iants. Zhur. fiz. khim. 36 no.11:2567-2568 N '62.

Production control and the objectives of analytical chemistry. Zhur. anal. khim. 19 no.1:3-7 '64.

Review of F. M. Shemiakin, A. N. Karpov, A. N. Brusentsov's book "Analytical chemistry." Part 2: Quantitative chemical analysis. A. I. Busev, V. G. Tiptsova. Apt. delo 11 no.5:93-94 S-O '62.

Seleznev, K. A. [Analytical chemistry; qualitative semimicroanalysis and quantitative analysis] Analiticheskaia khimiia; kachestvennyi polumikroanaliz i kolichestvennyi analiz. Moskva, Vysshaia shkola, 1963. 287 p.

Separation of mixtures of organic substances by a simplified method of countercurrent extraction [with summary in English]. V. M. Bashilova, N. A. Figurovskii. Zhur. anal. khim. 18 no.3:396-400 Mr '63.

CHEMISTRY, ANALYTICAL—BIBLIOGRAPHY see Bibliography—Chemistry, Analytical

CHEMISTRY, ANALYTICAL—CONGRESSES

Moscow Seminar on Analytical Chemistry. IU. M. Dedkov. Zhur. anal. khim. 19 no.1:142 '64.

CHEMISTRY, FORENSIC

Basic trends in the development of questions of forensic chemistry in the U.S.S.R. during the past five years. M. D. Shvaikova. Apt. delo 11 no.5:16-22 S-O '62.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Achievements in the field of pharmaceutical analysis during the past five years and prospects of development. IA. M. Perel'man. Apt. delo 11 no.5:9-16 S-O '62.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL (Continued)

Alkaloids of the arctic spoonwort, Cochlearia arctica Schlechtd. T. F. Platonova, A. D. Kuzovkov. Med. prom. 17 no. 10:19-20 O '63.

Amperometric titration of iodides in drugs. M.K. Abramov. Apt. delo 11 no. 5:62-64 S-O '62.

Colorimetric determination of free alkalies and acids in the preparations barbamyl and sodium ethaminal [with summary in English]. V. E. Egert, A. A. IUrka. Apt. delo 11 no. 5:43-47 S-O '62.

Comparison of the iodine test with the content of blood serum protein fractions. V. P. Kessel'. Lab. delo 9 no. 4:30-33 Ap '63.

Determination of arsenic in myarsenol and novarsenol. V. M. Sheverdiaeva, S. P. Bystrov. Apt. delo 11 no. 5: 71-74 S-O '62.

Examination of some vitamin-containing plants for their manganese content [with summary in English]. N. I. Grinkevich and others. Apt. delo 11 no. 5:41-43 S-O '62.

Identification of cyanocobalamine (vitamin B_{12}). L. T. Ikramov, Kh. Aliev. Apt. delo 11 no. 5:68-69 S-O '62.

Main trends in the synthesis of hypotensive substances. Report No. 1. M. V. Rubtsov. Med. prom. 17 no. 10: 6-14 O '63.

New method of producing norsulfazole. V. A. Zasosov and others. Med. prom. 17 no. 9:15-22 S '63.

Oil suspensions of propyliodone. L. S. Varlamova, A. M. Pozharskaia. Med. prom. 17 no. 10:37-38 O '63.

Preparation of absolute tertiary butanol. IU.G. Zelinskii, S. G. Barashkov. Med. prom. 17 no. 10:28-30 O '63.

Preparation of demorfan. V.N. Sokolova, O.IU. Magidson, A. E. Dizhur. Med. prom. 17 no. 10:14-16 O '63.

Preparation of watersoluble erythromycin derivatives. N. P. Bedniagina, N. V. Serebriakova, M. G. Shtol'ts. Med. prom. 17 no. 10:16-18 O '63.

Qualitative and photocolorimetric determination of small quantities of synestrol. V. G. Belikov. Med. prom. 17 no. 9:32-35 S '63.

Quantitative determination of beryllium in biological media. P. A. Rozenberg. Lab. delo 9 no. 4:11-15 Ap '63.

Quantitative determination of ethyl alcohol in preparation, tinctures and liquid extracts. O. N. Karpov. Apt. delo 11 no. 5:66-68 S-O '62.

Quantitative determination of iodine in iodoform and sajodin. G. I. Kudymov, G. I. Savel'eva, V. K. Rubtsov. Med. prom. 17 no. 10:41-44 O '63.

Quantitative determination of lemoran and demorfan and possible admixtures in these preparations. A. K. Ruzhentseva, E. E. Prokof'eva. Med. prom. 17 no. 9:29-32 S '63.

Research in the quantitative determination of some pharmaceutical preparations with the use of cation exchangers [with summary in English]. G. A. Vaisman, M. M. IAmpol'skaia. Apt. delo 11 no. 5:38-41 S-O '62.

Structure of a water-insoluble saponin from the roots of Dioscorea polystachya Turcz. Report No. 10. O. S. Madaeva, V. K. Ryzhkova, V. V. Panina. Med. prom. 17 no. 9:9-11 S '63.

Titration in nonaqueous solvents in pharmaceutical analysis; a review. Ludek Safarik, Josef Blazek. Apt. delo 11 no. 5:89-91 S-O '62.

Use of iodine bromide for the synthesis of iodine derivatives (producing of tetraiodophenolphthalein and iodoform). S. N. Nazrullaev. Med. prom. 17 no. 9:22-24 S '63.

CHEMISTRY, ORGANIC—LABORATORY MANUALS

"Techniques of laboratory work in organic chemistry" by A. IA. Berlin. Reviewed by D. O. Gol'berg. Khim. prom. no. 3:238 Mr '64.

CHEMISTRY, ORGANIC—SYNTHESIS

Berkman, B. E. [Industrial synthesis of aromatic nitrocompounds and amines] Promyshlennyi sintez aromaticheskikh nitrosoedinenii i aminov. Moskva, Izd-vo "Khimiia," 1964. 343 p.

Monosaccharides. Report No. 7: New synthetic path to higher sugars. N. K. Kochetkov, B. A. Dmitriev. Izv. AN SSSR. Ser. khim. no. 4:669-677 Ap '64.

CHEMISTRY, PHYSICAL AND THEORETICAL

Concerning the determination of the critical region and critical temperature. K. V. Arkhangel'skii, V. K. Semenchenko. Zhur. fiz. khim. 36 no. 11:2564-2566 N '62.

Kuznetsov, V. V. [Physical and colloid chemistry] Fizicheskaia i kolloidnaia khimiia. Moskva, Vysshaia shkola, 1964. 385 p.

Metrological problems involved in physicochemical measurements. D. K. Kollerov. Trudy inst. Kom. stand., mer i izm. prib. no. 68:5-33 '63.

Physical chemistry of concentrated ozone. Part 9 [with summary in English]. B. V. Strakhov, V. P. Lebedev, N. I. Kobozev. Zhur. fiz. khim. 36 no. 11: 2388-2392 N '62.

CHEMISTRY, TECHNICAL

Chemicalization of the leather, shoe, fur and leather dry good industries in connection with the resolutions of the December Plenum of the Central Committee of the CPSU. P. D. Aleksandrov. Kozh.-obuv. prom. 6 no. 4: 1-3, 37 Ap '64.

Molecules in a magnetic field. L. Miroshnichenko. Izobr. i rats. no. 3:8-9 '64.

CHEMISTRY, TECHNICAL—RESEARCH

Answering the appeal of the party. K.A. Vishniakov, K.N. Sokolov. Vest. vys. shkoly 22 no. 4:19-21 Ap '64.

In the interests of the development of chemistry. P.G. Romankov. Vest. vys. shkoly 22 no. 4:9-10 Ap '64.

CHEMISTRY, TECHNICAL—STUDY AND TEACHING

Let's teach them to apply polymer materials: Yes, this type of specialist is needed. A.IA. Sokolov, V.N. Kestel'man. Vest. vys. shkoly 22 no. 4:21-22 Ap '64.

CHEMOTHERAPY

Chemotherapy in diphtheria; annotation. L.R. Kolomoitsev, N. I. Geonia, A. K. Sheikman. Zhur. mikrobiol., epid. i immun. 40 no. 4:56 Ap '63.

Combined treatment of anorectal syndrome in the fourth venereal disease. V.D. TSend. Khirurgiia 39 no. 6: 111-114 Je '63.

Compound therapy of an associated purulent infection against a background of previous radiocobalt gamma-ray irradiation [with summary in English]. A. K. Churbanova. Zhur. mikrobiol., epid. i immun. 40 no. 4: 78-82 Ap '63.

Late results of antibacterial therapy of osteoarticular tuberculosis in children. K. M. Maskeev. Zdrav. Kazakh 23 no. 4:53-56 '63.

Prolonged clinical and roentgenological follow-up of children with first signs of tuberculin allergy. I. P. Parfenova, N. I. Trigub. Pediatriia 42 no. 9:27-33 S '63.

Renal tuberculosis in children and adolescents [with summary in English]. B. A. Shmukler. Pediatriia 42 no. 9:78-82 S '63.

Time period for preliminary antibacterial therapy in artificial pneumothorax. I. P. Zinov'ev. Zdrav. Kazakh. 23 no. 4:37-39 '63.

CHEREMKHOVO (IRKUTSK PROVINCE)—CREDIT

Enlarging the sphere of using credit for new machinery. V. Bezdelev. Den. i kred. 22 no. 3:27-28 Mr '64.

CHEREMKHOVO (IRKUTSK PROVINCE)—TECHNOLOGICAL INNOVATIONS

Enlarging the sphere of using credit for new machinery. V. Bezdelev. Den. i kred. 22 no. 3:27-28 Mr '64.

CHERKASSY PROVINCE—CHILDREN'S CLUBS

Club of merry booklovers. E. M. Dorfman. Rad. shk. 42 no. 2:96-100 F '64.

CHERKASSY PROVINCE—MASTICS

Arched buildings with mastic roofs. K. Teseniuk. Sil'. bud. 13 no. 1:9 Ja '63.

CHERKASSY PROVINCE—ROOFING, BITUMINOUS

Arched buildings with mastic roofs. K. Teseniuk. Sil'. bud. 13 no. 1:9 Ja '63.

CHERKASSY PROVINCE—RURAL CONSTRUCTION

Rural construction is ensured by high quality documentation. V. Sidak. Sil'. bud. 13 no. 4:16-17 Ap '63.

CHERKASSY PROVINCE—WHOLESALE TRADE

Reorganizing the consumers cooperative wholesale trade of Cherkassy Province. O. Buchats'kyi. Ekon. Rad. Ukr. no. 2:97-101 Mr-Ap '64.

CHERNIAK, TYMOFII VIKTOROVYCH, 1891-1919

Stunhur, H. K. [Tymofii Cherniak, hero of the civil war] Heroi hromadians'koi viiny Tymofii Cherniak. Kyiv, Derzh. vyd-vo polit. lit-ry, 1961. 134 p. (NNC)

CHERNIAKOVSKII, I.D. 1907-1945

Sharipov, A. A. [General of the Army Cherniakhovskii; a biographical story] General armii Cherniakhovs'kyi; biografichna povist'. Kyiv, "Molod'," 1963. 401 p.

CHERNIGOV PROVINCE—WOODY PLANTS

Notes on the natural occurrence of some species of vascular plants in the Chernigov Polesye [with summary in English]. M. P. Slobodian. Ukr. bot. zhur. 20 no. 5: 68-75 '63.

CHERNO MOUNTAINS—FIREWEED

Some ecologicobiological features of fireweed (Chamaenerium angustifolium (L.) Scop.) at various altitudes above sea level in the Cherno Mountains [with summary in English]. I. M. Berko. Ukr. bot. zhur. 20 no. 5:76-86 '63.

CHERNO MOUNTAINS—MOSSES

Age of the gametophytes of the mosses Polytrichum commune Hedw. and Hylocomium splendens (Hedw.) Br. Eur. in the plant communities of the Cherno Mountains [with summary in English]. K.O. Ulychna. Ukr. bot. zhur. 20 no. 5:61-67 '63.

CHERNO MOUNTAINS—PLANT COMMUNITIES

Age of the gametophytes of the mosses Polytrichum commune Hedw. and Hylocomium splendens (Hedw.) Br. Eur. in the plant communities of the Cherno Mountains [with summary in English]. K.O. Ulychna. Ukr. bot. zhur. 20 no. 5:61-67 '63.

CHERNOV, A.

Scores. Sov. muz. 27 no. 11:145 N '63.

CHERNOVTSY—OIL INDUSTRIES

Socialist competition for communist labor and high standards in production. I. A. Suslov. Masl.-zhir. prom. 30 no. 3:41-42 Mr '64.

CHERNOVTSY PROVINCE see Bukovina

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889—FICTION

Bogoslovskii, N. V. [Chernyshevskii's life] Zhizn' Chernyshevskogo. Moskva, Izd-vo "Detskaia literatura," 1964. 300 p. (Shkol'naia biblioteka)

CHERRY see subdivision under Gorkiy Province

CHERSONESE (CITY)—SCULPTURE, GREEK

Sculptures of Dionysus from Chersonese. A. P. Ivanova. Sov. arkheol. 8 no. 2:134-139 '64.

CHERSONESE (CITY)—SEPULCHRAL MONUMENTS

Five Chersonese gravestones with the images of the deceased. A. N. Shcheglov. Sov. arkheol. 8 no. 2: 213-218 '64.

CHESS

Chess. A. Gurvich. Sov. voin 44 no. 23:48 D '63.

Chess. I. A. Kan. Voen. vest. no. 3:127-128 Mr '64.

Chess. Sov. voin 44 no. 22:48 N '62.

Chess. Sov. voin 46 no. 2:40 Ja '64.

Panov, V. N. [First book of a chessman] Pervaia kniga shakhmatista. Moskva, Fizkul'tura i sport, 1964. 303 p.

CHESS—COLLECTIONS OF GAMES

[Selected games of Ragozin] Izbrannye partii Ragozina. Moskva, Fizkul'tura i sport, 1964. 199 p.

CHESS PROBLEMS

Ostap Bender is checkmated. A. Lilienthal'. Sov. profsoiuzy 20 no. 7:40 Ap '64.

CHEST—SURGERY

Venous and arterial pressure in tuberculosis patients following antibacterial and surgical treatment. A. A. Sharapov. Zdrav. Turk. 8 no. 1:3-8 Ja '64.

CHEST—WOUNDS AND INJURIES

Characteristics of the clinical picture and treatment of stab and incision wounds of the chest. R. P. Askerkhanov, M.-R. I. Shakhshaev. Khirurgiia no. 1:47-55 '63.

Management of penetrating injuries of the chest in peacetime. V. P. Radushkevich, V. I. Kiselov. Khirurgiia no. 1:56-59 '63.

CHEVIL see subdivision under Polotsk region (Vitebsk Province)

CHICKEN CHOLERA—PREVENTIVE INOCULATION

Contraindications for the use of the vaccine made by the Krasnodar Veterinary Scientific Research Station against pasteurellosis of fowl. A. V. Mostiukov. Veterinariia 40 no. 10:30 O '63.

CHICKEN MITE—EXTERMINATION

Effective means for the control of chicken mites. B. A. Frolov. Veterinariia 40 no. 10:58-61 O '63.

CHICKEN POX

Solar varicella and the role of porphyrins in its pathogenesis. M. G. Mirzoeva. Vest. derm. i ven. 37 no. 4: 39-43 Ap '63.

CHILD STUDY

Levitov, N. D. [Child and educational psychology; textbook for pedagogical institutes] Detskaia i pedagogicheskaia psikhologiia; uchebnoe posobie dlia pedagogicheskikh institutov. 3. izd., isp. i dop. Moskva, Prosveshchenie, 1964. 476 p.

Talented and "nontalented." L. Aidarova. Sem'ia i shkola 19 no. 1:15-16 Ja '64.

CHILD WELFARE

Complete uprooting of the neglect of children and juvenile delinquency is the most important task for all organs maintaining public order. V. S. Tikunov. Sov. gos. i pravo 34 no. 4:27-35 Ap '64.

CHILDREN

Queen's guardsman. Anna Kardashova. Sem'ia i shkola 19 no. 1:36-40 Ja '64.

Renal tuberculosis in children and adolescents [with summary in English]. B. A. Shmukler. Pediatriia 42 no. 9:78-82 S '63.

Sea and the sun. V. Volgina. Sem'ia i shkola 19 no. 1: 4-5 Ja '64.

CHILDREN—CARE AND HYGIENE

[illegible] 1, [illegible] '64.

[illegible] '63.

CHILDREN—DISEASES

(see also subdivision Diseases under Alma-Ata; Murmansk; Russia, Northern)

Afanas'ev, [illegible] [For parents about epileptic children] Roditeliam o detiakh, bol'nykh epilepsiei. Izd.2. [Leningrad] Izd-vo "Meditsina," 1964. 32 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CHILDREN—EMPLOYMENT

[illegible]

CHILDREN—LAW

(see also subdivision Law under Armenia)

Kostina, A. D. [illegible] [Sverdlovsk] [illegible] 1963 [illegible]
[illegible]

CHILDREN—MANAGEMENT

(see also subdivision [illegible] under [illegible] Province)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Nikolaeva, N. F. [illegible] 1964. 77 p. [illegible]

[illegible]

CHILDREN—NUTRITION

[illegible]

CHILDREN—SUPPORT

[illegible]

CHILDREN, DEAF

[illegible] Ap '64.

CHILDREN AS ARTISTS

(see also subdivision under Ukraine)

[Children's drawings] [illegible] 1963. 11 p. [illegible]

CHILDREN AS AUTHORS see subdivision under Ukraine

CHILDREN AS MUSICIANS see subdivision under Ukraine

CHILDREN'S CLOTHING

Trade specialization in children's clothing. L. [illegible] Sov.torg. 37 no.4:15-16 Ap '64.

CHILDREN'S CLUBS see subdivision under Cherkassy Province

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

Reference books for the younger age group. N. [illegible] Nar. obr. no.4:108-110 Ap '64.

CHILDREN'S LITERATURE

Language of "children's" prose. M. Chudakova. Sem'ia i shkola 19 no.1:30-31 Ja '64.

Let it fill your heart with anxiety! M.Sharko. Nar.obr. no.5:108-110 My '64.

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S LITERATURE, BURYAT

Contemporary Buryat children's literature. E. V. Barannikova. [illegible] no.2:64-70 '62.

CHILDREN'S PLAYS

Russian Literary Art Society, San Francisco. [Plays for home and school] Teatr sem'i i shkoly. San Paulo, 1964. 151 p.

CHILDREN'S POETRY

For elementary school students; review of poetry for 1963. V.I.[illegible] 20 no.4:146-149 Ap '64.

CHILE—POLITICS AND GOVERNMENT

The popular front moves ahead. A. Pavlenko. Mezhdunar.zhizn' 11 no.5:117-118 My '64.

CHIMACHIN see Quinacrine

CHIMKENT—OIL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

[illegible] B. [illegible] Nar.khoz.Kazakh. 22 no.4:10 Ap '64.

CHIMKENT—TEXTILE INDUSTRY

[illegible] Nar.khoz.Kazakh. 22 no.4:[illegible] Ap '64.

CHIMKENT PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

How we help our propagandists. D. [illegible] Part. zhizn' Kazakh. [illegible] no.8:48-51 Ag '63.

CHIMKENT PROVINCE—TECHNOLOGICAL INNOVATIONS

[illegible] Nar.khoz.Kazakh. 22 no.4:[illegible] Ap '64.

CHIMNEYS

Dismantling the upper part of a smokestack by blasting. [illegible] no.4:12-14 Ap '64.

CHINA—BOUNDARIES—INDIA

[Documents on the problem of the Chinese-Indian border] Materialy obsuzhdeniia po voprosu o kitaisko-indiiskoi granitse. Peking, Izd-vo literatury na inostr. iazykakh, 1960. 155 p. fold. map.
(MH-L)

CHINA—BRONZE FOUNDING

[illegible]

CHINA—COMMUNIST PARTY

Andropov, Iu. V. [Leninism lights up our road; report at the formal session dedicated to the 94th anniversary of V. I. Lenin's birth, held in Moscow on April 22, 1964] Leninizm osveshchaet nash put'; doklad na torzhestvennom zasedanii v Moskve, posviashchennom 94-i godovshchine so dnia rozhdeniia V. I. Lenina 22 aprelia 1964 goda. Moskva, Politizdat, 1964. 29 p.

Fidelity to the principles of Marxism-Leninism. Part. zhizn' [illegible] Ap '64.

[Proletarian internationalism, the standard of the workers of all countries and continents] Proletarskii internatsionalizm — znamia trudiashchikhsia vsekh stran i kontinentov. Moskva, Izd-vo "Mysl'," 1964. 46 p.

[illegible] Kommunist 41 no.[illegible] My '64.

CHINA—FOREIGN RELATIONS—RUSSIA

Fidelity to the principles of Marxism-Leninism. Kommunist. [illegible] no.[illegible] Ap '64.

Our unity in the struggle for peace, freedom and national independence; statement by the Soviet Government. Nov. vrem. 21 no.19:31-33 My '64.

[illegible], V. P. [China on the way to socialism] Kitai na puti k sotsializmu. Moskva, Goskul'tprosvetizdat, 1954. 74 p. (Bibliotechka v pomoshch' lektoru, no. 24)

Loyalty to the principles of Marxism-Leninism. Nar. obr. no.5:3-7 My '64.

Struggle of the CPSU for unity of the world communist movement; resolution of the Plenum of the Central Committee of the CPSU adopted on February 15, 1964. Mezhdunar. zhizn' 11 no.5:6-7 My '64.

CHINA—HISTORY

[illegible], V. P. [China on the way to socialism] Kitai na puti k sotsializmu. Moskva, Goskul'tprosvetizdat, 1954. 74 p. (Bibliotechka v pomoshch' lektoru, no. 30)

CHINA—REVOLUTION, 1911-1912

"Huang Hsing and the Chinese Revolution" by Hsüeh Chün-tu. Reviewed by [illegible] Nar. As. i Afr. no.2:183-191 '64.

CHINA CLAY see Kaolin

CHINESE LITERATURE—HISTORY AND CRITICISM

Relationship between the "Chuanch'i" and "Hungpen" genres. A. N. Zhelokhovtsev. Nar. Az. i Afr. no.3:91-100 '64.

CHIRCHIK (UZBEKISTAN)—ATHEISM—STUDY AND TEACHING

On a broad front. M. Khamidanov. Part.zhizn' [Uzb.] 7 no.4:70-72 Ap '64.

CHIRCHIK (UZBEKISTAN)—SECTS

On a broad front. M. Khamidanov. Part.zhizn' [Uzb.] 7 no.4:70-72 Ap '64.

CHIRCHIK VALLEY—COLLECTIVE FARMS—MANAGEMENT

Help them to change from lagging into advancing. N. [illegible] Komm.Uz. 38 no.4:72-75 Ap '64.

CHIRCHIK VALLEY—GEOMORPHOLOGY

Geomorphology of the Chirchik Valley. N. A. Kogai. Nauch.trudy TashGU no.213.Geog.nauki no.24:46-57 '63.

CHIRIKOV, FEDOR VASIL'EVICH, 1893-

[illegible] D. P. Sokol'skii and others. Khim.v sel'. khoz. 2 no.3:55-62 [illegible] '64.

CHITA PROVINCE—AGRICULTURE

[illegible], V. P. [Toward new frontiers; agriculture of Chita Province on the eve of the 22d Congress of the CPSU] Na novye rubezhi; sel'skoe khoziaistvo Chitinskoi oblasti k XXII s"ezdu KPSS. [Chita] Chitinskoe knizhnoe izd-vo, 1961. 49 p.
[illegible]

CHKALOV see Orenburg

CHKALOV PROVINCE see Orenburg Province

CHLORAL

Effect of small doses of chloral hydrate, veronal, barbamyl and their binary combinations on [illegible] of conditioned reflexes. A. A. [illegible] Nauch.trudy Blag.med.inst. [illegible] '63.

Reactivity of the hydrate forms of aldehydes. Interaction of chloral hydrate with some vinyl ethers. M. F. Shostakovskii and others. Dokl. AN SSSR 154 no.[illegible] Ja '64.

CHLORIDE OF LIME see Lime, Chloride of

CHLORIDES

Investigating the composition of inorganic chloride compounds in the products of [illegible] I. [illegible] Khim. i tekh. topl. i masel [illegible] no.10:[illegible] '63.

CHLORIDES IN THE BODY

[illegible] determination of chlorides in substances of biological origin. [illegible] E. V. [illegible] Lab. delo 9 no.[illegible] '63.

CHLORINATION

Absorption method of separating methylchlorosilanes and the recovery of unreacted methyl chloride in the process of direct synthesis. A. [illegible] M. M. [illegible] Zhur. prikl. khim. 37 no.4:[illegible] Ap '64.

Initiation of the reaction of chlorination of methylchlorosilanes with acetylcyclohexylsulfonyl peroxide. G. V. Motsarev, V. R. Rozenberg. Zhur. prikl. khim. 37 no.4:920-922 Ap '64.

Radiation-induced chlorination of some organochlorosilanes and organogermanium compounds. N. V. [illegible] and others. Dokl. AN SSSR 155 no.5:1163-1166 Ap '64.

CHLORINE ISOTOPES—PHYSIOLOGICAL EFFECT

Distribution of radioactive chlorine in the organism of a rat with acute intestinal obstruction. A. M. [illegible] M. [illegible] Dokl. AN SSSR 155 no.1:228-229 My '64.

CHLOROLIGNIN

Industrial tests of chlorolignin a new viscosity-reducing reagent for drilling muds. M. I. Lipkes and others. Trudy VNIIBT no.[illegible]:20-26 '63.

CHLOROMYCETIN

Combined treatment of anorectal syndrome in the fourth venereal disease. V. D. [illegible] Khirurgiia 39 no.6:111-114 Je '63.

CHLOROPHYLL

Chlorophyll content of the plankton of the Moskva River. N. A. [illegible] Nauch.dokl.vys.shkoly; biol. nauki no.2:133-138 '64.

Comparison of the oxidation potentials of chlorophyll and bacterial pigments under illumination. V. B. Evstigneev, V. A. Gavrilova. Dokl. AN SSSR 154 no.3:714-717 Ja '64.

Effect of spectral composition and the intensity of radiant energy on the chlorophyll content as related to the length of the photoperiod. I. A. Shul'gin, L. A. [illegible] Dokl. AN SSSR 154 no.3:712-714 '64.

CHLOROPHYLL (Continued)

Initiation of methyl methacrylate polymerization by reduced forms of chlorophyll and hematoporphyrin. A.V. Umrikhina, A.A.Krasnovskii. Dokl. AN SSSR 155 no.4:904-907 Ap '64.

Photochemical activity of chlorophyll and the durability of the chlorophyll-protein-lipoid complex [with summary in English]. O.H.Sud'ina, M.H.Holod. Ukr.bot.zhur. 20 no.5:3-11 '63.

Stimulating effect of some compounds on the quenching of chlorophyll fluorescence by nitro compounds. I.N. Chernuk, I.I.Dilung. Dokl. AN SSSR 156 no.1:149-151 My '64.

Subnivean formation of chlorophyll in prevernal plants growing in oak-dominant woods. T.K.Goryshina. Bot.zhur. 49 no.4:602-603 Ap '64.

CHLORPROMAZINE

Changes in glucose synthesis and its utilization by the rat organism under the effect of aminazine [with summary in English]. R.V.Chahovets', TS.M.Shtutman. Ukr. biokhim.zhur. 34 no.1:56-64 '62.

Changes in the brain and spinal cord of rabbits under the influence of therapeutic doses of aminazine. I.I.Priezzhev. Nauch.trudy Riaz.med.inst. 15:121-123 '62.

Changes in the peripheral nervous system under the influence of multiple injections of therapeutic doses of aminazine. V.N.Telegin. Nauch.trudy Riaz.med.inst. 15:136-137 '62.

Disorder of glycogen metabolism in rabbits under the influence of therapeutic doses of aminazine. I.N. Kirillova. Nauch.trudy Riaz.med.inst. 15:24-26 '62.

Effect of aminazine on the vessels of the extremities and the liver of frogs with an increased tone of the vascular wall. L.A.Lobova. Nauch.trudy Riaz.med.inst. 15:63-65 '62.

Effect of magnesium sulfate, aminazine and hexonium on the adrenal cortex. IA.M.Miloslavskii. Nauch. trudy Riaz.med.inst. 15:71-79 '62.

Effectiveness of aminazine therapy of terminal states in schizophrenia. M.V.Stupochenko. Zhur.nevr.i psikh. 64 no.3:434-435 '64.

Neurodynamic changes in patients with postinfluenzal lesions in the hypothalamic region during treatment with aminazine and caffeine. V.R.Rubtsova. Nauch. trudy Riaz.med.inst. 15:123-128 '62.

Prevention and treatment of pneumonia in young children. A.I.Titova. Pediatriia 42 no.9:7-14 S '63.

Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy; a clinicophysiological study. P.G.Petrochenkov. Zhur.nevr.i psikh. 64 no.3:428-433 '64.

Some experimental data on the effect of therapeutic aminazine doses on rabbits. V.I.Kulakov. Nauch. trudy Riaz.med.inst. 15:49-52 '62.

Specificity of the effect of nembutal and aminazine on the formation of an unconditioned reflex response of the respiratory and cardioinhibitive centers in interoceptive signalization from the lungs. V.V.IUrov. Nauch.trudy Riaz.med.inst. 15:195-201 '62.

CHLORTETRACYCLINE

Development of the chemical method for determining chlortetracycline in meat. S.Sh.Rubashkina. Trudy VNIIMP no.13:80-85 '62.

Use of biomycin antibiotics as inhibitors of microflora. Strazdina, Tenisone, Beitina. Khleb.i kond.prom. 8 no.3:9-11 Mr '64.

CHOCOLATE INDUSTRY—EQUIPMENT AND SUPPLIES

Compression of milled cocoa in a horizontal press. G.A. Marshalkin, A.I.Dragilev. Khleb.i kond.prom. 8 no.4:38-40 Ap '64.

CHOLESTEROL

Accelerated method of determining the total cholesterol by the Ilca method. K.I.Rozentsveig. Lab.delo 8 no.9:43-44 S '62.

Change in the quantity of cholesterol, prothrombin and ascorbic acid in the blood of workers with hypertension during work. M.A.Poliukhov. Zdravookhranenie 7 no.1:24-29 Ja-F '64.

Content of cholesterol in the blood serum and in the diurnal food ration of the aboriginal population of the Far North [with summary in English]. V.G.Kukes, M.N.Vlasova. Vop.pit. 21 no.6:33-36 N-D '62.

Determination of blood cholesterol by the Levchenko method. K.R.Sedov, G.I.Derevianko, P.M.IAverbaum. Lab.delo 9 no.4:28-30 Ap '63.

Determination of total cholesterol and phospholipids in a microdrop of blood. M.N.Markova, A.A.Pokrovskii. Lab.delo no.3:145-150 '64.

Effect of cholesterine on the structure and function of the thyroid gland. M.E.Aspiz. Dokl.AN SSSR 155 no.5:1230-1232 Ap '64.

Endogenic hypercholinesterinemia and arterial hypertonia in rats exposed to a prolonged action of stimulants on the central nervous system. A.I.Seranova. Dokl.AN SSSR 155 no.4:985-987 Ap '64.

Incorporation of 4C^{14}-labeled cholesterol into lipoprotein fractions of the blood serum in atherosclerosis [with summary in English]. A.P.Golikov. Med.rad. 8 no.5:44-47 My '63.

CHOLINE

Biosynthesis of acetylcholine in the nervous and muscle tissue of insects [with summary in English]. S.E. Severin, Liu Shu-sen' [Liu Shu-sên]. Biokhimiia 27 no.6:1085-1091 N-D '62.

Content of catechol amines, acetylcholine and cholinesterase in the cerebrospinal fluid and the reactivity of the central nervous system in a catatonic form of schizophrenia. V.M.Mikhlin. Zdravookhranenie 7 no.1:49-53 Ja-F '64.

CHOLINESTERASES

Activity and localization of aliesterase and cholinesterase inside insects. S.A.Roslavtseva, P.V.Popov. Khim. v sel'.khoz. 2 no.2:25-26 F '64.

Cholinesterase activity of the serum and intravital morphological changes in the liver tissue in chronic lesions of the liver [with summaries in Tajik and English]. A.I. Aminov. Trudy Inst.kraev.med.AN Tadzh.SSR no.1:118-129 '62.

Cholinesterase in the organs of the lateral line of bony fishes. L.K.Titova, M.Z.Aronova. Dokl.AN SSSR 155 no.4:974-977 Ap '64.

Comparative study of the properties of cholinesterases of the nervous system in vertebrates and insects [with summary in English]. I.L.Brik, V.A.IAkovlev. Biokhimiia 27 no.6:993-1003 N-D '62.

Content of catechol amines, acetylcholine and cholinesterase in the cerebrospinal fluid and the reactivity of the central nervous system in a catatonic form of schizophrenia. V.M.Mikhlin. Zdravookhranenie 7 no.1:49-53 Ja-F '64.

CHONDRIOSOMES see Mitochondria

CHONDROITINSULFURIC ACID

Chemical characteristics of the preparation Honsuride. G.D.Zenkevich. Lab.delo 9 no.4:23-26 Ap '63.

Experience in treating polymorphic erythema exudativum with chondroitinsulfuric acid. A.M.Pomerantseva. Trudy TSIU 64:52-55 '63.

CHORUKH-DAYRON REGION—ORE DEPOSITS

Structural conditions governing the endogenetic mineral formation and characteristics of the localization of mineralization in the main ore-bearing zones of the Chorukh-Dayron ore field. B.V.Kristal'nyi. Geol.rud. mestorozh. 5 no.6:34-50 N-D '63.

CHRISTIANITY—ORIGIN

Kovalev, S.I., and M.M.Kublanov. [Finds in the Judaean desert; discoveries in the Dead Sea region, and the problems of the origin of Christianity] Nakhodki v Iudeiskoi pustyne; otkrytiia v raione Mertvogo moria i voprosy proiskhozhdeniia khristianstva. Izd.2., perer. i dop. Moskva, Politizdat, 1964. 109 p.

Veinbergs, J. [Origin of christianity] Kristiianisma izcelsanas. Riga, Latvijas Valsts izd-ba, 1963. 253 p. [In Latvian]

CHROMAFFIN SYSTEM

Postnatal evolution and structural characteristics of the most important paraganglia in man [with summary in English]. N.M.Kovrizhko. Arkh.anat., gist.i embr. 43 no.12:50-58 D '62.

CHROMAFFIN SYSTEM—INNERVATION

Innervation of human paraganglia. S.V.Zubriakov. Sbor. nauch.rab.IAr.med.inst. no.18:51-54 '59.

CHROMATOGRAPHIC ANALYSIS

Automatic a.c. balanced bridge for chromatographic recording. L.M.Proskuriakov, A.S.Sobolev. Trudy BashNII NP no.6:168-171 '63.

A calibrator for rapid determination of the Rf value on chromatograms. A.N.Klimov. Lab.delo 8 no.9:61-62 S '62.

Chromatographic analysis of products in the production of butyl alcohol. A.S.Sobolev. Trudy BashNII NP no.6:171-178 '63.

Chromatographic determination of carbon monoxide, methane, and acetylene in high-purity ethylene. Z.A. Litiaeva, P.I.Markosov, V.N.Zaichenko. Trudy KF VNII no.8:110-124 '62.

Chromatography of indole derivatives in a thin layer of aluminum oxide and on paper [with summary in English]. A.N.Kost, T.V.Koronelli, R.S.Sagitullin. Zhur.anal. khim. 19 no.1:125-130 '64.

Correlation between chromatographic behavior and some other properties of poliomyelitis virus variants [with summary in English]. V.I.Agol, S.V.Maslova, M.IA. Chumakova. Biokhimiia 27 no.6:1071-1078 N-D '62.

Development chromatography in columns with a moving sorbent. V.R.Alishoev, V.G.Berezkin. Dokl.AN SSSR 155 no.4:876-879 Ap '64.

Isolation of influenza virus from allantoic fluid by the method of chromatography on hydroxylapatite [with summary in English]. S.A.Kibardin, V.K.Boldasov. Vop.med.khim. 8 no.6:634-638 N-D '62.

Partition chromatography on ion exchangers. Report No.3: Separation of anions oxidizers [with summary in English]. S.L.Starobinets, S.A.Mechkovskii. Zhur. anal.khim. 18 no.3:298-303 Mr '63.

Quantitative chromatographic method for determining carbohydrates. A.P.Rukhliadova, L.V.Semikina, V.S. Cherednichenko. Trudy TSNIISP no.13:14-18 '62.

Quantitative determination of active substances in the seeds of Ammi majus L. A.V.Ananichev, P.M.Loshkarev. Med.prom. 17 no.9:36-38 S '63.

Separation and determination of 10-substitutedphenothiazine by thin-layer chromatography of aluminum oxide. T.I.Bulenkov. Med.prom. 17 no.9:26-29 S '63.

Stabilizing the zero line in a chromathermograph. N.G. Farzane, M.A.Oprits, L.V.Iliasov. Izv.vys.ucheb. zav.; neft' i gaz 7 no.4:85-87 '64.

CHROMATOPHORES

Comparative properties of cytoplasmic proteins and of soluble chloroplast proteins in higher plants [with summary in English]. S.S.Melik-Sarkisian, N.M.Sisakian, E.N.Svetailo. Biokhimiia 27 no.6:1047-1053 N-D '62.

Isolation and characteristics of ribosomes from chloroplasts [with summary in English]. E.I.Mikul'ska, M.S.Odintsova, N.M.Sisakian. Biokhimiia 27 no.6:1061-1070 N-D '62.

Structure of chloroplasts in the ontogeny of plants. A.A.Shakhov, B.M.Golubkova. Bot.zhur. 49 no.4:503-510 Ap '64.

CHROMIUM

Studying the diffusion of carbon and molybdenum in chromium. P.L.Gruzin, S.V.Zemskii, I.B.Rodina. Met.i metalloved.chist.met. no.4:243-250 '63.

CHROMIUM—MAGNETIC PROPERTIES

Effect of pressure on the temperature of the antiferromagnetic transformation of chromium. D.F.Litvin, E.G. Poniatovskii. Dokl.AN SSSR 156 no.1:69-71 My '64.

CHROMIUM—METALLURGY

Electric resistance of ore and lime mixtures used in the manufacture of metallic chromium. V.I.Zhuchkov and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:63-67 '64.

CHROMIUM—TOXICOLOGY

Grushko, IA.M. [Chromium compounds and the prevention of poisoning by them] Soedineniia khroma i profilaktika otravlenii imi. Moskva, Izd-vo "Meditsina," 1964. 303 p.

CHROMIUM CATALYSTS

Polymerization of ethylene on a chromium oxide catalyst. V.R.Gurevich, M.A.Dalin, K.M.Arutiunova. Azerb. khim.zhur. no.1:69-75 '64.

CHROMIUM COMPOUNDS

Condensation of 1-methyl-3-phenyl-5, 6, 7, 8-tetrahydroisochromylium perchlorate with aromatic aldehydes. IU.A. Zhdanov and others. Dokl.AN SSSR 155 no.5:1115-1118 Ap '64.

Study of the conditions of the electrolytic production of a nickel-chromium alloy from metal sulfate solutions in the presence of glycine. N.T.Kudriavtsev, T.F. TSupak. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:84-89 '64.

CHROMIUM COMPOUNDS—SPECTRA

Study of some complexes of pentavalent chromium by electron paramagnetic resonance. N.S.Garif'ianov. Dokl.AN SSSR 155 no.2:385-388 Mr '64.

CHROMIUM-MOLYBDENUM ALLOYS

Chromium - molybdenum phase diagram. V.N.Svechnikov, G.F.Kobzenko. Dokl.AN SSSR 155 no.3:611-614 Mr '64.

CHROMIUM-MOLYBDENUM STEEL

Chromium-molybdenum steel for molded casting. O.S. Rainus. Sbor.nauch.trud.LISI no.22:35-44 '55.

CHROMIUM-NICKEL ALLOYS see Nickel-chromium alloys

CHROMIUM-NICKEL STEEL—TESTING

Interaction of austenitic chromium-nickel steel with liquid lithium. N.M.Beskorovainyi, M.T.Zuev, V.S. Eremeev. Met.i metalloved.chist.met. no.4:122-128 '63.

CHROMIUM-NIOBIUM-MOLYBDENUM ALLOYS

Study of the system chromium - niobium - molybdenum [with summary in English]. V.M.Sviechnykov, H.F. Kobzenko. Dop.AN URSR no.4:402-406 '64.

CHROMIUM NITRATES

Irreversible processes in polarography. Chromium nitrate. A.V.Pamfilov, A.I.Lopushanskaia, A.M. Balter. Zhur.fiz.khim. 36 no.11:2461-2466 N '62.

CHROMIUM OXIDES

Effect of the porous structure of the aluminosilicate carrier on the polymerizing activity of the chromium oxide catalyst. K.V.Topchieva and others. Plast. massy no.5:11-13 '64.

Nature of the passivating film on chromium in acid solutions [with summary in English]. A.M.Sukhotin, E.I.Antonovskaia, A.A.Pozdeeva. Zhur.fiz.khim. 36 no.11:2368-2373 N '62.

CHROMIUM PHOSPHATES

Synthesis of anticorrosive chromium phosphate pigments. M. A. Shtern, N. E. Daniushevskaia, O. V. Alekseeva. Lakokras. mat i ikh prim. no. 1:32-34 '64.

CHROMIUM PLATING

Effect of temperature on the electrodeposition of chromium. G.A.Emel'ianenko, V.I.Afanasenko. Zhur.fiz. khim. 37 no.3:680-682 Mr '63.

CHROMIUM SALTS

Irreversible processes in electrochemistry. Part 2 [with summary in English]. A.V.Pamfilov, A.I.Lopushanskaia, A.M.Balter. Zhur.fiz.khim. 37 no.3: 616-621 Mr '63.

CHROMIUM SILICATES

Synthesis of chromium silicate similar to olivine. A. I. TSvetkov, Z. P. Ershova, N. A. Matveeva. Izv. AN SSSR. Ser. geol. 29 no. 2:3-15 F '64.

CHROMIUM STEEL

Automatic hard facing under flux of high chromium steel with a powder strip electrode. P.S.Turkin. Svar. proizv. no. 11:13-15 N '63.

CHROMIUM SULFIDES

Chromium chalcogenosulfide. S. S. Batsanov, L. M. Doronina, N. V. Podberezskaia. Dokl. AN SSSR 154 no. 3:624-626 Ja '64.

CHROMOSOME NUMBERS

Chromosome numbers of some leafy mosses from the Ukraine [with summary in English]. A. S. Lazarenko, O. I. Vysots'ka. Dop. AN URSR no.4:541-543 '64.

Karyotype of Barclaya longifolia Wall. A. P. Sokolovskaia A. P. Melikian. Bot. zhur. 49 no. 4:585-586 Ap '64.

CHROMOSOMES

Characteristics of D-RNA and R-RNA of the nucleochromosomal apparatus of the animal cell. G.P.Georgiev, O.P.Samarina, M.N.Smirnov. Dokl.AN SSSR 155 no.3:688-690 Mr '64.

Effect of an agent injuring the chromosomal DNA on the development of compensatory hypertrophy of the heart. A.G.Bazardzhian, E.M.Leikina, K.K.Antipova. Dokl. AN SSSR 155 no.3:685-687 Mr '64.

Nature of ribonucleic acid in nucleoli and residual chromosomes. M. I. Lerman. Dokl. AN SSSR 155 no. 4: 950-952 Ap '64.

CHRONAXIA

Functional changes in higher regions of the brain in allergic skin reactions in sensitized animals; based on electroencephalographic data [with summary in English]. A.P.Khrunova, V.S.Angelova. Vest.derm.i ven. 37 no.5:7-13 My '63.

CHRONOLOGY, HISTORICAL

Moscow. Institut mezhdunarodnykh otnoshenii. [Chronicle of international events in 1962] Khronika mezhdunarodnykh sobytii 1962 god. Moskva, Izd-vo IMO, 1963. 333 p.
(NjP)

CHRYSANTHEMUMS see subdivision under Georgia

CHRYSOLITE

Synthesis of chromium silicate similar to olivine. A. I. TSvetkov, Z. P. Ershova, N. A. Matveeva. Izv. AN SSSR. Ser. geol. 20 no. 2:3-15 F '64.

CHU—RAILROADS—REPAIR SHOPS

Hoisting of large heavy units in the repair of diesel locomotives (work practices in the railroad repair shop of Chu of the Kazakh Railroad). A.G.Baru. Elek. i tepl. tiaga 8 no. 1:9-10 Ja '64.

CHUGUYEV DISTRICT—FERTILIZERS AND MANURES

Success is determined by fertilizers. M.Sharovkin. Ekon.Rad.Ukr. no.2:93-94 Mr-Ap '64.

CHUKCHI NATIONAL AREA—GEOGRAPHICAL MUSEUMS

An interesting practice of the Chukchi Geographical Museum. I. L. Kleopov. Izv. Vses. geog. ob-va 96 no. 2: 148-149 Mr-Ap '64.

CHUKCHI PENINSULA—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Quaternary sediments in the southern and eastern parts of the Chukchi Peninsula. O. M. Petrov. Biul. Kom. chetv. per. no. 28:135-152 '63.

CHUKCHI PENINSULA—GEOMORPHOLOGY

The most important stages in the relief development of the Chukchi Peninsula. A. A. IAtsenko. Izv. Vses. geog. ob-va 96 no. 2:100-114 Mr-Ap '64.

CHULYM VALLEY—BITING MIDGES

Effect of microclimatic conditions on the invasive activity of biting midges in the Chulym Valley within Tomsk Province. A. G. Mirazaeva. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:171-184 '63.

CHULYM VALLEY—MICROCLIMATOLOGY

Effect of microclimatic conditions on the invasive activity of biting midges in the Chulym Valley within Tomsk Province. A. G. Mirazaeva. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:171-184 '63.

CHURCH AND STATE

Marsilius of Padua's "Defender of peace" and the struggle of the Empire against the mundane claims of Popedom in the beginning of the 14th century. A. G. En'ko. Vest. Mosk. un. Ser. 9: Ist. 19 no. 2:50-61 Mr-Ap '64.

CHURCH ARCHITECTURE see subdivision under Smolensk

CHURCH SLAVIC LANGUAGE—GRAMMAR

On the book "Origin of the church language of the Slavs" by Václav Hanka; on the 100th anniversary of the death of Hanka. P. P. Pliushch. Pratsi Od. un. 152. Ser. filol. nauk no. 15:229-235 '62.

CHURCH SLAVIC LANGUAGE—TENSE

Old Church Slavic sigmatic aorists. IU. V. Otkupshchikov. Uch. zap. Inst. slav. 27:154-172 '63.

CHUVASHIA—COMPOST

Effectiveness of manure-soil composts. S. N. Adrianov. Zemledelie 26 no. 1:42-43 Ja '64.

CHUVASHIA—PEASANTRY

The Russian working class and Chuvash peasantry during the period from 1905-1907. I. V. Lepko. Ist. SSSR 8 no. 2:126-133 Mr-Ap '64.

CHYLOTHORAX

Intravital staining of the lymphatic system for detection of the thoracic duct in its injury. V. L. Manevich, T. V. Stepanova. Khirurgiia no. 1:72-77 '63.

CICATRICES

Classification and the clinical aspects of cicatrical pyloric stenosis. A. V. Zubynina. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:86-91 '62.

CILIA AND CILIARY MOTION

Structural organization and the principles of movement of cilia and flagellums. S. A. Burnasheva, L. G. Fedorova, M. N. Liubimova. Usp. sovr. biol. 56 no. 3:365-380 '63.

CIRCASSIAN LANGUAGE— VERB

Sakiev, N. IA. [Types of verbal word combinations in the modern Kabardino-Cherkess language] Tipy glagol'nykh slovosochetanii v sovremennom kabardinocherkesskom iazyke. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1963. 91 p.
(MH)

CITIES AND TOWNS

Some characteristics of the historical development of Russian cities situated along navigable rivers. T. F. Savarenskaia. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 6:118-127 '63.

CITIES AND TOWNS—GROWTH see subdivision under Georgia; Latin America

CITIES AND TOWNS, RUINED, EXTINCT, ETC. see subdivision under Bukovina

CITRAL

Determination of the concentration of citral in the blood and urine of puerperants by the use of paper discs following its intrauterine administration. G. M. Osnos. Lab. delo no. 4:226-229 '64.

CITRIC ACID

Antibacterial effect of colimycin under the conditions of the manufacture of citric acid. N. N. Bocharova. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:70-74 '64.

Determination of free hydrochloric acid in the presence of organic acids and chlorides. F. M. Aksel'rod. Vop. pit. 21 no. 6:84-85 N-D '62.

CITRUS FRUITS—VARIETIES

Accelerating the introduction of better citrus varieties. F. D. Mamporiia. Agrobiologiia no. 5:705-708 S-O '63.

CITY PLANNING

(see also subdivision under Czechoslovakia; Havana; Kharkov; Moscow; Sambor, Lvov Province; Tomsk; Vladivostok)

Improving designs in the area of civil engineering, planning and construction of cities. Biul. stroi. tekh. 20 no. 11:1-5 N '63.

Natural relief and construction of microdistricts. V. Zimin. Stroi. i arkhit. 11 no. 10:28-30 O '63.

Oshchepkov, G. D. [City planning; examples of district planning] Gradostroitel'stvo; primery raionnoi planirovki. Moskva, Stroiizdat, 1964. 179 p. (Opyt zarubezhnogo stroitel'stva)

TSentral'nyi nauchno-issledovatel'skii i proektnyi institut po gradostroitel'stvu. [Recommendations for planning and building residential areas and microdistricts] Rekomendatsii po planirovke i zastroike zhilykh raionov i mikroraionov. Moskva, Stroiizdat, 1964. 298 p.

CITY PLANNING—COSTS

Some problems in the economics of building residential districts. E. A. Vasil'ev. Sbor. nauch. rab. DVNIIS no. 3:15-31 '62.

CITY PLANNING—HYGIENIC ASPECTS

Organization of sanitary-protective zones in industrial districts of cities. M. Elenskii. Stroi. i arkhit. 11 no. 10:26-28 O '63.

CITY TRAFFIC

Present-day methods of regulating city transportation traffic in foreign countries. M.A.Kurshev. Nov.tekh. zhil.-kom.khoz.; Gor.dor.-most.khoz.i transp. no.2: 21-29 '63.

CIVIC CENTERS see subdivision under Estonia

CIVIL DEFENSE

TSiviliev, M. P., ed. [Engineering and rescue work in the region of a nuclear explosion] Inzhenerno-spasatel'nye raboty v ochage iadernogo porazheniia. [By] I. D. Volkov i dr. Moskva, Stroiizdat, 1964. 149 p.

CIVIL ENGINEERING

Improving designs in the area of civil engineering, planning and construction of cities. Biul. stroi. tekh. 20 no. 11:1-5 N '63.

CIVIL LAW

"Civil law during the large-scale building of communism" by S. S. Alekseev. Reviewed by IU. G. Basin, V. K. Mamutov. Sov. gos. i pravo no. 12:146-149 D '63.

CIVIL LAW—STUDY AND TEACHING

Popularization of civil law. Z. Zhakupov. Sots. zakon. 40 no. 12:52-53 D '63.

CIVIL PROCEDURE

(see also subdivision under Latvia)

Extension of procedural guaranties for the rights of the individual in Soviet civil procedure. A. A. Mel'nikov. Sov. gos. i pravo no. 12:95-104 D '63.

System of the new civil procedure code. V. K. Puchinskii. Sov. gos. i pravo. no. 12:139-142 D '63.

CIVIL RIGHTS

Some problems of the correlation of the various branches of law, the function of which is to protect the rights of Soviet citizens. M. I. Baru. Sov. gos. i pravo. no. 12: 67-74 D '63.

CIVILIZATION, GREEK see subdivision under Black Sea region

CLASSIFICATION—BOOKS—MINING ENGINEERING

Using the Universal Decimal Classification for indexing scientific literature and documents on mining. E. S. Degterev. Ugol' 39 no. 3:73-74 Mr '64.

CLASSIFICATION OF SCIENCES

Interdepartmental Classification Commission. L. S. Shubskaia. NTI no. 12:21 '63.

CLAY

(see also subdivision under Bashkiria; Danzig, Gulf of; Nizhne-Uvel'skaya region; Siberia, Western; Tatar A.S.S.R.)

Among books. Sem'ia i shkola 19 no. 1:31-32 Ja '64.

Application of the super centrifuge dispersion analysis for investigating clay and kaolin fractions of less than 1μ. N. S. Belostotskaia. Trudy NIIStroikeramiki no. 19:23-28 '62.

Interrelationship of the physical and mechanical properties of the clay soils of ruptured structure. V.F.Razorenov. Trudy VSEGINGEO no. 1:101-140 '63.

Physicomechanical diagenesis of clay sediments. S. P. Abramov. Trudy VSEGINGEO no. 1:183-186 '63.

Some problems in evaluating clays for the production of keramzit. V. F. Pavlov. Trudy NIIStroikeramiki no. 19:43-53 '62.

Study of the stability of Maikop clays. V. P. Vikharev, A. G. Shleen. Vop. geotekh. no. 5:74-80 '62.

CLAY—CONGRESSES

International forum for the study of clay held in Stockholm. A. D. Fedoseev. Stroi. mat. 10 no.1:38-39 Ja '64.

CLAY—TESTING

Effect of exchange ions on the physicochemical properties of galloisite. O. O. Panasevych, F. D. Ovcharenko. Dop. AN URSR no. 3:349-352 '64.

CLEANING COMPOUNDS

Eesti NSV Teaduste Akadeemia. Keemia Instituut. [Synthetic detergents from shale oil] Sinteticheskie moiushchie veshchestva iz slantsevoi smoly. [By] Kh. IU. Voore i dr. Tallin, Estgosizdat, 1964. 257 p.

Faingol'd, S. I. [Synthetic cleaning compounds from petroleum and shale stock] Sinteticheskie moiushchie sredstva iz neftianogo i slantsevogo syr'ia. Leningrad, Nedra, 1964. 286 p.

Synthesis of surfactants and cleaning compounds on a base of products of naphtha alkylation with thermal-cracking gasoline [in Azerbaijani with summary in Russian]. M. A. Ashimov and others. Azerb. neft. khoz. 43 no. 4: 41-43 Ap '64.

CLEANING COMPOUNDS—TESTING
Effect of activating additives on the detergency of alkyl sulfates obtained from alcohols of the second unsaponifiables. M.P.Bespiatov, Zh.IA.Leshchenko. Izv.vys.ucheb.zav.; pishch.tekh. no.2:62-64 '64.

CLEARING OF LAND
(see also subdivision under Krasnoyarsk Territory)
Killing scrubs by chemical treatment before the opening of leaves. T.V.Zosimovskaia and others. Khim.v sel'khoz. 2 no.2:41-43 F '64.
Theoretical study of the working process of the removal of half-hidden and surface stones by mechanical working parts. R.V.Sirekanian, V.G.Dallakian, V.S.Babaian. Trudy Arm.NIIMESKH no.1:203-257 '63.
Using arboricides in early spring in shrub control. G.P.Sannikov. Zashch.rast.ot vred.i bol. 9 no.4:29 '64.

CLEFT PALATE
Analysis of the results of operative interventions on congenital cleft palate. N.M.Mikhel'son. Trudy TSIU 64:73-78 '63.

CLERKS (RETAIL TRADE) see subdivision under Kiev

CLIMACTERIC
Heart during apathological climacteric in women. R.G.Lur'e, G.S.Aizen, Z.M.Parakhoniak. Sbor.trud.GMI no.15:145-169 '63.

CLIMATOLOGY see subdivision 'Climate' under Eurasia; Latvia; West Siberian Plain

CLIMATOLOGY, MEDICAL
(see also subdivision under Fergana; Georgia; Tskhaltubo, Georgia)
Bioclimatic characteristics of the sea-shore health resorts of the Adzhar A.S.S.R. R.P.Kavkasidze, N.Sh.Gongladze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:99-111 '63.
Changes in blood circulation and the filtration and reabsorption function of the kidneys in hypertension under the influence of a biotron. M.D.Kogut. Zdravookhranenie 7 no.1:29-33 Ja-F '64.
Climate and microclimate of the Mendzhi health resort. M.O.Kordzakhiia, R.P.Kavkasidze, N.Sh.Gongladze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:123-126 '63.
Climatotherapy in hypotension at the Kobuleti health resort. D.G.Dateshidze, L.P.Dzhikiia. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:53-62 '63.
Landscape and climatic classification of the health resorts of the Georgian S.S.R. M.O.Kordzhakhiia, R.P.Kavkasidze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:127-134 '63.
Microclimatic characteristics of the beach at the Gagra health resort. R.P.Kavkasidze, N.Sh.Gongladze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:113-122 '63.

CLINICAL PARASITOLOGY see Medical parasitology

CLOCKMAKING AND WATCHMAKING
Instruments and devices for an active control in the assembly of watches. IA.G.Grinshtein. Priborostroenie no.4:17-21 Ap '64.

CLOCKS AND WATCHES see subdivision under Moscow

CLOSTRIDIUM
Effect of X-ray and nuclear irradiation on Bac. perfringens. Report No.1: Changes in the morphology and cultural characteristics of type A and B Bac. perfringens produced by the action of gamma-neutron irradiation (with summary in English). A.M.Pasichnyk, M.D.Matvieieva, H.H.Tulina. Mikrobiol.zhur. 25 no.1:10-16 '63.
Study of botulin anatoxins. Report No.6: Type D botulin anatoxin (with summary in English). A.A.Vorob'ev and others. Zhur.mikrobiol., epid.i immun. 40 no.9:87-92 S '63.

CLOSTRIDIUM—CULTURES AND CULTURE MEDIA
Possibility of cultivating Clostridium butyricum on synthetic media. L.G.Azova. Dokl.AN SSSR 156 no.3:689-691 '64.

CLOTHING, PROTECTIVE
Basic designs of industrial clothing. D.I.Kobylianskii, G.I.Dotsenko. Nauch.-issl.trudy TSNIIShveiproma no.10:59-84 '62.
New standard regulations. Sov.profsoiuzy 20 no.8:45 Ap '64.

CLOTHING AND DRESS MEASUREMENTS
Methodology for the pattern design of men's shirts. I.A.Ter-Ovakimian and others. Nauch.-issl.trudy TSNIIShveiproma no.10:17-45 '62.

CLOTHING INDUSTRY see subdivision under Kalinin

CLOTHING INDUSTRY—ACCOUNTING
Follow-up of our materials. Vest.stat. no.5:57-58 '64.

CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES
Clothing display equipment. Sov.torg. 37 no.3:60-61 Mr '64.
Machine for inlaying and fastening of thermoplastic films and edging. B.A.Kusnor, N.I.Petrov. Nauch.-issl.trudy TSNIIShveiproma no.10:115-123 '62.
Multiple-position automatic turret-type machine for the processing and assembly of small clothing parts with the use of thermoplastic adhesives. E.P.Brylina. Nauch.-issl.trudy TSNIIShveiproma no.10:91-107 '62.
New equipment for the processing of the bottom part of pants with cuffs. M.M.Ovchinnikov. Nauch.-issl.trudy TSNIIShveiproma no.10:107-115 '62.

CLOTHING WORKERS see subdivision under Buzuluk (Orenburg Province)

CLOUD PHYSICS
Coagulation growth of ice crystals in a supercooled cloud. N.O.Plaude. Trudy TSAO no.51:33-41 '63.
Shishkin, N.S. [Clouds, precipitation and thunderstorm electricity] Oblaka, osadki i grozovoe elektrichestvo. [2. perer. i dop. izd.] Leningrad, Gidrometeoizdat, 1964. 400 p.

CLOUDS
(see also subdivision under Tashkent region; Tien Shan)
Determining the lower cloud boundary (below 300m) from surface data. L.V.Dubrovin. Trudy GGO no.112:101-109 '63.
Diffusion of a cloud moving in a medium of variable density. N.P.Mar'in. Inzh.-fiz.zhur. 7 no.3:97-104 Mr '64.
Disturbance of the colloidal stability of supercooled clouds by supersaturated steam. L.G.Kachurin. Probl.fiz.atm. no.2:127-141 '63.
Growth of hailstones allowing for the structure of vertical velocities in clouds. B.V.Kiriukhin, V.V.Ludchenko. Probl.fiz.atm. no.2:155-162 '63.
Relationship between precipitation and the height of the lower boundary of clouds. A.D.Babaaev. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:12-16 '63.

CLUTCHES (MACHINERY)
Borisov, S.M. [Air-chamber friction clutches] Pnevmokamernye friktsionnye mufty. Moskva, Izd-vo "Mashinostroenie," 1964. 133 p.
Closing stresses in Benn's lever-type friction clutches. B.S.Tsfas, V.S.Kazachkov, V.D.Kharitonov. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz.Kiev.sel'khoz.inst. no.1:109-115 '62.
Flexible pliability of free-wheeling clutches. M.I.Grinshpun. Vest.mashinostr. 44 no.4:38-41 Ap '64.
Safety clutch with high sensitivity and its characteristics. A.Z.Palamarenko. Trudy KTIPP no.27:142-145 '63.

COAL
(see also subdivision under Kuznetsk Basin; Maykain, Pavlodar Province; Tkibuli)
Sorption properties of various petrographic components of fossil coals. I.L.Ettinger and others. Dokl.AN SSSR 155 no.2:364-367 Mr '64.
Study of the kinetics and mechanism of oxidation of coals. G.V.Kharitonov, V.P.Purikova, N.I.Gitlasova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:61-70 '62.
Study of the kinetics and mechanism of oxidation of coals. V.P.Purikova, G.V.Kharitonov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:43-59 '62.

COAL—ANALYSIS
(see also subdivision under Kavak Basin)
Germanium in some brown coals. V.V.Kiriukov, S.V.Paradeev. Zap.LGI 45 no.2:39-44 '63.
Grechishnikov, N.P. [Methods of studying the material composition of solid fuel minerals] Metody issledovaniia veshchestvennogo sostava tverdykh goriuchikh iskopaemykh. Moskva, Izd-vo "Nedra," 1964. 214 p.

COAL—CARBONIZATION see subdivision under Tkibuli

COAL—CLASSIFICATION see subdivision under Kizel Basin

COAL—NOMENCLATURE
Meeting of the International Commission for Coal Petrology Nomenclature. P.P.Timofeev, L.I.Bogoliubova. Izv.AN SSSR.Ser.geol. 29 no.5:116-120 My '64.

COAL—PERMEABILITY
Permeability of coal seams to gas and selection of a means of creating channels permeable to gas. N.A.Fedorov. Nauch.trudy VNIIPodzemgaza no.10:39-42 '63.

COAL—TESTING
(see also subdivision under Donets Basin)
Calculation of the variable resistance of coal seams to rupture in the design of actuating mechanisms of mining machinery. IU.N.Kasak, D.M.Liuboshchinskii. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:107-114 '63.
Determination of coal quality. N.P.Gnedov, N.K.Koz'menko, P.T.Skliar. Standartizatsiia 28 no.3:28-31 Mr '64.
Effect of the disperse composition of coal on the technological parameters of hydraulic conveying. A.E.Smoldyrev. Nauch.soob.IGD 22:171-175 '63.
Study of the [illegible] ability of coals under [illegible] conditions and in the mine. [illegible] Chernikov, V.N.Khokhlatov. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:[illegible] '63.
Study of the properties of coal and rock [illegible] develop the means of automation. [illegible] Nosov, L.G.Sakale. Izv.vys.ucheb.zav.; [illegible] no.12:177-180 '63.

COAL, PULVERIZED
Calculation of the [illegible] coal [illegible] Izv. [illegible] 11 no.7:51-58 [illegible] '64.
Determination of fuel [illegible] and the [illegible] [illegible] Izv. [illegible] 12 [illegible]
Effect of pressure and oxygen [illegible] on the ignition and combustion of small coal particles. [illegible] Kalandar'ian, L.S. Mayorov. [illegible] 11-15 Ja '64.

COAL GASIFICATION
At [illegible] [illegible] [illegible]
Characteristics of [illegible] [illegible]

COAL GASIFICATION, UNDERGROUND
(see also subdivision under Angren Basin; Kuznetsk Basin; Moscow Basin)
Calculation of [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Completing the effect of [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Distribution of [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Effect of geological conditions of Angren [illegible] of making initial gasification channels. [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Effect of [illegible] gas [illegible] gasification. [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Efficiency of a method of [illegible] gas generators at the "Podzemgaz" gas [illegible] of "Yuzhno-Abinskaya" [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Methods for calculating gas losses in underground gasification. [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Methods of determining gas leakage in underground gas generators. [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Methods of determining the efficient procedure of [illegible] filling a [illegible] [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Permeability of coal seams to gas and selection of a means of creating channels permeable to gas. N.A.Fedorov. Nauch.trudy VNIIPodzemgaza no.10:39-42 '63.
Preliminary results of studying the displacement of the rock massif during the coal gasifying of seams of the Angren deposit in sections of various thicknesses. [illegible] Zhukov. Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.
Significance of coefficients of the aerodynamic [illegible] drag and heat and mass transfer in calculations of the underground gasification process. [illegible] Nauch.trudy VNIIPodzemgaza no.10:21-31 '63.
Study of the physical, mechanical, and thermal properties of rocks for the purposes of underground gasification of coals. V.N.Kazak, V.I.[illegible] Nauch.trudy VNIIPodzemgaza no.10:64-74 '63.

COAL GASIFICATION, UNDERGROUND—COSTS
Cost of blow for underground coal gasification. [illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.

COAL GEOLOGY
(see also subdivision under Angren Basin; Kirghizistan; Kuznetsk Basin; Russian Platform)
Characteristics of rock fracturing in the region of the Shatskaia "Podzemgaz" gas producer plant. [illegible] Vinogradov. Nauch.trudy VNIIPodzemgaza no.10:[illegible]-85 '63.
Concerning the book by K.V. Mironov "Evaluation of coal deposits from the point of view of engineering geology." V.K.Kosta. [illegible] 7 no.10:[illegible] '63.
Effect of geological conditions of deposits on the processes of making initial gasification channels. I.V.[illegible] Nauch.trudy VNIIPodzemgaza no.10:[illegible] '63.

COAL MINES—CONGRESSES

[illegible]

COAL MINES—STRIKES AND LOCKOUTS see subdivision under Spain

COAL MINES AND MINING
(see also subdivision under Angren Basin; Donets Basin; Karaganda Basin; Kazakhstan; Kuznetsk Basin; Moscow Basin; Pechora Basin; Ukraine)

[illegible]

COAL MINES AND MINING—ACCIDENTS

[illegible]

COAL MINES AND MINING—BIBLIOGRAPHY see Bibliography—Coal mines and mining

COAL MINES AND MINING—CONGRESSES

[illegible]

Conference on the problems of mining coal deposits at great depths. [illegible] Ugol' 39 no.5:[illegible] My '64.

COAL MINES AND MINING—DESIGN AND CONSTRUCTION

Concerning the book "Layout of mine buildings and strip mines." A. [illegible] and others. Ugol' 39 no.5:[illegible] My '64.

COAL MINES AND MINING—FINANCE

Correlation analysis of the [illegible] of coal mines. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.3 [illegible] '64.

Indices of the utilization of capital assets of the coal industry. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.[illegible] '64.

Garmilo, G.V. [Construction of mining enterprises; capital investments, design and estimated cost records, planning. Manual] Stroitel'stvo gornykh predpriiatii; kapital'nye vlozheniia, proektno-smetnaia dokumentatsiia, planirovanie. Uchebnoe posobie. Moskva, Mosk. inst radioelektroniki i gornoi elektromekhaniki, 1962. 98 p.

[MICROFILM]

COAL MINES AND MINING—FIRES AND FIRE PREVENTION

Readers' response to the article by A.I. Bezhetskii "Improvement of preventing and extinguishing underground fires," "Ugol'", 1962, No.11. [illegible] Ugol' 39 no.1:[illegible] Ja '64.

COAL MINES AND MINING—LABOR PRODUCTIVITY
(see also subdivision under Kuznetsk Basin)

All-Union labor productivity record for workers in slopes. [illegible] Ugol' 39 no.3:[illegible] Mr '64.

Methods of analyzing labor productivity. [illegible] Ugol' 39 no.3:55-57 Mr '64.

COAL MINES AND MINING—SAFETY MEASURES

Concerning the book "Safety measures in coal mines." [illegible] Ugol' 39 no.3:[illegible] Mr '64.

COAL MINING MACHINERY
(see also subdivision under Kuznetsk Basin)

[illegible]

COAL MINING MACHINERY—ELECTRIC DRIVING

[illegible], A.R., and V.V. [illegible] [The GPS-70 loading machine] Pogruzochnaia mashina GPS-70. Moskva, Izd-vo "Nedra," 1964. 69 p.

COAL MINING MACHINERY—PNEUMATIC DRIVE

Using pneumatic energy in coal mines. [illegible] Ugol' 38 no.12:74-77 D '63.

COAL PREPARATION—EQUIPMENT AND SUPPLIES

Koval', B.A., and P.K. Gubskii. [Centrifuge operator of a coal preparation plant] Tsentrifuguvshchik ugleobogatitel'noi fabriki. Moskva, Izd-vo "Nedra," 1964. 77 p. (Bibliotechka molodogo obogatitelia)

COAST CHANGES see subdivision under Chukotsk Peninsula; Franz Josef Land; Kanin Peninsula

COAXIAL CABLES

Small-sized coaxial cable. I.I. Grodnev, [illegible] Elektrosviaz' 18 no.3:40-47 Mr '64.

COBALT

Anomalous curves of cobalt polarography with thiocyanides on the support. G.S. Babkin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.1:90-94 '64.

Content of cobalt in the most widely distributed food products of Dnepropetrovsk Province. [illegible] Vop. pit. 21 no.5:86-88 S-O '62.

COBALT—CORROSION

Effect of pH of the medium on the rate of corrosion and anodic dissolution of cobalt. Z.A. Iofa, Wei Pao-ming [Wei Pao-ming]. Zhur. fiz. khim. 36 no.11:[illegible] N '62.

COBALT—PHYSIOLOGICAL EFFECT

Effect of cobalt on microorganisms and their adaptation to natural concentrations of cobalt in the environment. V.V. Koval'skii, G.V. Letunova. Usp. sovr. biol. 57 no.1:71-80 Ja-F '64.

COBALT CATALYSTS

Special features of butadiene polymerization in the presence of complex cobalt catalysts. [illegible] Medvedev. Dokl. AN SSSR 155 no.4:[illegible] Ap '64.

COBALT IN THE BODY

Methodology for the determination of cobalt content in the blood. [illegible] Ap '64.

COBALT-IRON ALLOYS see Iron cobalt alloys

COBALT ISOTOPES

Cobalt in the uterine mucosa during the menstrual cycle. [illegible]

Combined therapy of an associated purulent infection against a background of previous radiocobalt gamma-ray irradiation [with summary in English]. [illegible] Zhur. mikrobiol., epid. i immun. 40 no.4:[illegible] Ap '64.

COBALT PLATING

Electrodeposition of cobalt-nickel coating on titanium and its alloys. V.V. Bondar', [illegible] Zhur. prikl. khim. 37 no.4:[illegible] Ap '64.

Internal stresses of electrodeposits of cobalt. Report No.1. Effect of pH electrolyte, current density and the layer thickness of the deposits on internal stresses. [illegible] Trudy AN Lit. SSR. Ser. B no.1:49-58 '63.

Kinetics of electrode processes on solid electrodes. Part 3 [with summary in English]. V.I. Kravtsov, [illegible] Zhur. fiz. khim. 36 no.11:[illegible] N '62.

Mechanism of the formation of dispersed cobalt deposits on a rotating cathode with alternating current [illegible] G.S. Babkin, [illegible] Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.1:[illegible] '64.

COCCIDIOSIS see subdivision under Azerbaijan

COCCIDIUM see subdivision under Azerbaijan

COELENTERATA

Early parasitic stages in the developmental cycle of Polypodium hydriforme Ussov. E.V. Raikova. Dokl. AN SSSR 154 no.3:[illegible] Ja '64.

COHESION

Cohesion of cast-in-situ and old concrete in precast slabs undergoing dynamic loads. V.G. [illegible] Transp. stroi. 13 no.11:54-55 N '63.

COINS see subdivision under Georgia

COINS, ANCIENT see subdivision under Crimea; Romanovka (Crimea); Taman Peninsula; Taman' (Krasnodar Territory)

COINS, DUTCH

Dutch coins of the 17th century. V.M. Potin. Numiz. i epig. 4:136-141 '63.

COINS, MEDIEVAL see subdivision under Europe, Eastern; Pskov

COINS, SCOTTISH see subdivision under White Russia

COINS, [illegible] see subdivision under Crimea

COKE

Automatic analyzer of the coke content in a regenerated bead catalyst. [illegible] Neftepererab. i neftekhim. no.11:41-43 '63.

Calculating the oxidation of coke on a catalyst. S.V. Adel'son, A.IA. Zaitova. Trudy BashNII NP no.6:40-48 '63.

Plant test of the gasification of shale coke with water vapor. [illegible] R.N. Shapiro. Trudy VNIIT no.11:72-77 '62.

Possibility of lowering the sulfur content of metallurgical coke in the process of dry quenching. [illegible] Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.1:169-170 '64.

COKE—ANALYSIS

Determining the organic mass and calorific value of the semicoke from the heat refining of shale fine by the solid heat-transfer agent method. IU. V. Aranovich. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:285-[illegible] '62.

COKE—TESTING

Selection of samples and the indices of coke properties. A. S. [illegible], A. A. Filippova. Standartizatsiia [illegible] no. 3 [illegible] Mr '64.

COKE INDUSTRY—BY-PRODUCTS
(see also subdivision under Kazakhstan)

From the experience in constructing a new shop of a by-product coke plant. I. A. Afanas'ev, A. G. Piatkovskii, K. Dzenit. Prom. stroi. 41 no. 12:16-19 D '63.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Russia (1917- R. S. F. S. R.) Ministerstvo stroitel'stva. Upravlenie kadrov. Uchebno-metodicheskii kabinet pri Vsesoiuznom uchebnom kombinate. [Installing the equipment of the by-product coke industry; outline manual for the training of foremen and installation workers] Montazh oborudovaniia koksokhimicheskikh tsekhov; posobie-konspekt dlia obucheniia brigadirov i rabochikh montazhnikov. Moskva, 1961. 158 p.
[MICROFILM]

COKE INDUSTRY—HANDBOOKS, MANUALS, ETC.

Shelkov, A. K., ed. [Manual for coke chemists in six volumes] Spravochnik koksokhimika v shesti tomakh. Moskva, Izd-vo "Metallurgiia,"
  Vol. 1. [Source of raw materials and preparation of coal for coking] Syr'evaia baza i podgotovka uglei k koksovaniiu. 1964. 490 p.

COKE OVENS

Design of continuous coking plant. V. V. Popovich. Biul. stroi. tekh. 20 no. 11:46 N '63.

COLD—PHYSIOLOGICAL EFFECT

Changes in yeast cells after deep cooling in water, brewer's wort and glycerol. V. M. Rumiantseva. TSitologiia 5 no. 3:328-331 My-Je '63.

Effect of glycerol on the survival time of ciliated epithelium of the rat trachea during cooling and supercooling. L. G. Vol'genzon. TSitologiia 5 no. 3:326-328 My-Je '63.

COLD—THERAPEUTIC USE

Local cooling as a nonspecific stimulant of defense reactions during peritonitis. B. N. Abrakhanova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:101-107 '63.

COLD (DISEASE)

Statistical analysis of so-called "cold" diseases with a temporary loss of working capacity in workers at a rubber industry plant. IU. K. Korotkova. Sbor. nauch. rab. IAr. med. inst. no. 21:59-80 '59.

COLD (DISEASE)—PREVENTION

Tarasova, O. T. [How to protect children from colds; advice to parents] Tak oberegaiut detei ot prostudy; sovety roditeliam. Moskva, "Meditsina," 1964. 26 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

COLD WELDING—EQUIPMENT AND SUPPLIES

The MSKHS-20 machine for cold butt welding of thin aluminum and copper. I. M. Stroiman. Svar. proizv. no. 11:36 N '63.

COLIMYCIN

Antibacterial effect of colimycin under the conditions of the manufacture of citric acid. N. N. Bocharova. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:70-74 '64.

Effectiveness of colimycin in the treatment of children with colienteritis. E. I. Chunaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:142-148 '62.

COLITIS

Clinicobiochemical parallels with data on intravital biopsy of the liver in chronic ulcerative and nonulcerative colites [with summaries in Tajik and English]. IA. A. Makarevich. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:261-270 '62.

Submerged intestinal lavage with the "Kishinevskaya" mineral water in chronic colitis. S. A. IUlikov. Zdravookhranenie 7 no. 1:33-38 Ja-F '64.

Therapeutic diet in chronic colites accompanied by secondary stomach disorders. E. B. Vygodner, L. A. Terent'eva. Vop. pit. 21 no. 5:3-8 S-O '62.

COLLAGEN DISEASES

Electrophoretic protein formula of the blood and its dynamics in the treatment of so-called major collagen diseases with steroid hormones. A. A. Nizov. Nauch. trudy Riaz. med. inst. 14:173-175 '63.

Some controversial questions in the monograph of V. I. Sachkov, "Immunological methods for the study of rheumatism and other collagen diseases." IU. S. Tatarinov. Vop. med. khim. 8 no. 6:646-650 N-D '62.

COLLECTIVE FARMS
(see also subdivision under Daghestan; Moldavia; Turkmenistan; Ukraine; Ukraine, Western; White Russia)

Let us observe and develop the rules and principles of collective farm democracy. M. Aleshkov. Part. zhizn' Kazakh. 31[i. e. 32] no. 8:23-28 Ag '62.

COLLECTIVE FARMS—ACCOUNTING

Shmelev, G. I. [Fascinating bookkeeping; business accounting on a collective farm] Uvlekatel'naia bukhgalteriia; o khoziaistvennom raschete v kolkhoze. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 3)

COLLECTIVE FARMS—AUDITING AND INSPECTION see subdivision under Perelyub District; Yangiyul' District

COLLECTIVE FARMS—COSTS

How we analyze swine cost. M. Kolpashnikov. Den. i kred. 22 no. 3:61-63 Mr '64.

COLLECTIVE FARMS—FINANCE
(see also subdivision under Moldavia; Vitebsk Province; Voronezh region)

Accumulation and the development of collective farm property. I. Dmitrashko. Ekon. sel'khoz. 35 no. 3:115-118 Mr '64.

Bank and the collective farm. N. Boiko, M. Shteinberg, L. Kutiavin. Den. i kred. 22 no. 3:53-58 Mr '64.

Commodity and monetary relations between city and village during the large-scale building of communism. T. M. Fedorova. Uch. zap. Kish. un.: Mezhvuz. sbor. po polit. ekon no. 2:51-64 '63.

COLLECTIVE FARMS—INCOME DISTRIBUTION
(see also subdivision under Moldavia; Semipalatinsk Province)

Follow-up of our materials. Ekon. sel'khoz. 35 no. 4:125 Ap '64.

Useful study. I. Karliuk. Ekon. sel'khoz. 35 no. 4:119-120 Ap '64.

COLLECTIVE FARMS—INTERFARM COOPERATION
(see also subdivision under White Russia)

Economic relations of interfarm organizations. N. Mukhitdinov. Sov. iust. 28 no. 9:8-9 My '64.

COLLECTIVE FARMS—LAWS AND LEGISLATION

For a strict observance of collective farm statutes. K. Safiullin. Sots. zakon. 40 no. 12:50-51 D '63.

Limits of the liability of collective farmers for loss caused to their farms. M. V. Storazhau. Vesti AN BSSR. Ser. hram. nav. no. 1:50-60 '64.

We should help collective farms to collect their money B. Zasukhin. Sots. zakon. 40 no. 12:52 D '63.

COLLECTIVE FARMS—MANAGEMENT
(see also subdivision under Batyrevo District; Chirchik Valley; Rostov Province; Sverdlovsk Province; Zolochev District)

A conflict in Kamennaya Krinitsa. D. V. Meksin. Zemledelie 26 no. 1:81-83 Ja '64.

The economist's work is honorary and responsible. V. Balitskaiia. Ekon. sel'khoz. 35 no. 4:99-102 Ap '64.

Ruskol, A. A., and A. A. Denisov. [Production managements of collective and state farms and their legal status] Proizvodstvennye kolkhozno-sovkhoznye upravleniia i ikh pravovoe polozhenie. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 126 p.

COLLECTIVE FARMS—PENSIONS

Collective farmers' pension insurance. V. Luk'ianova. Ekon. sel'khoz. 35 no. 4:78-82 Ap '64.

Main trend. Sots. obesp. 25 no. 4:4-6 Ap '64.

COLLEGE SPORTS

New program of physical education for students. I. R. Gudzenko, S. L. Aksel'rod. Teor. i prak. fiz. kul't 26 no. 9:27-31 S '63.

Six hundred fifty thousand of the strong and skillfull; the Fourth All-Russian Student Winter Sports Games. B. V. Kovalev. Vest. vys. shkoly 22 no. 4:86 Ap '64.

COLLISIONS (NUCLEAR PHYSICS)

Detachment of electrons in slow collisions between negative ions and atoms [with summary in English]. IU. N. Demkov. Zhur. eksp. i teor. fiz. 46 no. 3:1126-1135 Mr '64.

Effect of collisions on the drift instability of a plasma at a finite Larmor ion radius. A. B. Mikhailovskii, O. P. Pogutse. Dokl. AN SSSR 156 no. 1:64-66 My '64.

Ionizing collisions of electrons with ions and atoms [with summary in English]. Z. Z. Latypov, S. E. Kuprilanov, N. N. Tunitskii. Zhur. eksp. i teor. fiz. 46 no. 3:833-839 Mr '64.

London Conference on the Physics of electron - atom collisions. N. V. Fedorenko. Vest. AN SSSR 34 no. 1:48-51 Ja '64.

Nonadiabatic transitions in slow collisions of heavy particles [with summary in English]. G. V. Dubrov Zhur. eksp. i teor. fiz. 46 no. 3:863-871 Mr '64.

Resonance charge-exchange in slow collisions [with s mary in English]. B. M. Smirnov. Zhur. eksp. i teor. fiz. 46 no. 3:1017-1024 Mr '64.

COLLOIDS

Dobren'kov, G. A. [Colloid chemistry; course of lectu for the students of technological departments] Kollo naia khimiia; kurs lektsii dlia studentov tekhnologich skikh fakul'tetov. Kazan', Kazanskii khimiko-tekhnologicheskii in-t im. S. M. Kirova, 1960. 105 p.
[MICROFILM]

Effect of colloids on the kinetics of the anodic dissol of copper in an acid electrolyte. N. I. [illegible] Izv. vy ucheb. zav.; khim. i khim. tekh. 7 no. 1:46-50 '64.

Kuznetsov, V. V. [Physical and colloid chemistry] Fizicheskaia i kolloidnaia khimiia. Moskva, Vysshaia shkola, 1964. 386 p.

Lowering the viscosity of dispersed systems by vibrat Nik. Vas. Mikhailov, N. V. Mikhailov. Dokl. AN SSSR 155 no. 4:920-923 Ap '64.

Ultraviolet radiation effect on iron hydroxide sols in t presence of gelatin. I. G. Bakhtadze, E. M. Nanukashvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:75-80 '63.

COLOMBIA—ECONOMIC CONDITIONS

Economic stagnation and political crisis. S. Fakin. Mezhdunar. zhizn' 11 no. 5:114-116 My '64.

COLOMBIA—POLITICS AND GOVERNMENT

Economic stagnation and political crisis. S. Fakin. Mezhdunar. zhizn' 11 no. 5:114-116 My '64.

COLON (ANATOMY)—CANCER

Domin, V. N. [Rational limits of surgery in cancer of the colon and the rectum] Ratsional'nye granitsy oper tsii pri rake obodochnoi i priamoi kishok. [Leningrad] Meditsina, 1964. 206 p.
(DNLM)

COLON (ANATOMY)—SURGERY

Ileocoloplasty following the resection of the left half of the large intestine [with summary in English]. D. A. Elizarov, V. A. Miroshnichenko. Khirurgiia 39 no. 6:97-102 Je '63.

Technique of ileorectal anastomosis following total colectomy; experimental research [with summary in Engl A. A. Vasil'ev. Khirurgiia 39 no. 6:102-106 Je '63.

COLON (ANATOMY)—TUMORS

Ameboma of the large intestine. N. A. Emirov. Khirurgiia 39 no. 6:136-137 Je '63.

COLONIES—HISTORY

Cherniak, E. B. [Advocates of colonialism. Historiography of neocolonialism] Advokaty kolonializma. Neokolonialistskaia istoriografiia. Moskva, Izd-vo "Mysl'," 1964. 373 p.

COLOR

Rapid method for determining the chromaticity of granulated sugar. P. V. Golovin, E. A. Grivtseva. Trudy KTIPP no. 27:42-46 '63.

COLOR—PHYSIOLOGICAL EFFECT

Light intensity of the signal lights of indoor signaling systems. A. N. Korolev. Svetotekhnika 10 no. 4:19-20 Ap '64.

Nomogram for determining the speed and probability of recognition. A. S. Shaikevich. Svetotekhnika 10 no. 1:19-22 Ja '64.

COLOR IN THE TEXTILE INDUSTRIES

Belen'kii, L. I., and N. S. Ovechkis, eds. [Use of the science of colors in the textile industry] Primenenie tsvetovedeniia v tekstil'noi promyshlennosti; sbornik statei. Moskva, Izd-vo "Legkaia industriia," 1964. 226 p.

COLOR MEASUREMENT

Choice of dies for evaluating color transmission in the presence of fluorescent lamps. A. B. Matveev. Svetotekhnika 10 no. 1:13-19 Ja '64.

Experimental check of the new functions of complex colors. E. N. IUstova. Svetotekhnika 10 no. 1:3-8 Ja '64.

Photoelectric instruments for color measurement of paint materials. A. I. Rymov, D. A. Shklover. Lakokras. mat. i ikh prim. no. 1:59-62 '64.

COLOR MOTION-PICTURE PHOTOGRAPHY

Characteristics of the sound track of color motion pictures made on multiple-layer films [with summary in English on p. 95]. N. I. Kirillov, A. P. Strel'nikova. Tekh. kino i telev. 8 no. 5:31-32 My '64.

COLOR MOTION-PICTURE PHOTOGRAPHY—FILMS

Conference and seminar on the new assortment of color motion-picture films. Tekh. kino i telev. 7 no. 12:88-89 D '63.

COLOR OF ANIMALS

Color of whales. Priroda 53 no.5:119-120 '64.

COLOR OF LEAVES

Arboretum in fall. B.M.Griner. Biul.Glav.bot.sada no.48:32-39 '63.

COLOR OF PLANTS

Effect of the light factor on the formation of pigments in ripening tomato fruit. E.F.Shabel'skaia, T.N.Godnev. Dokl.AN BSSR 8 no.1:53-56 Ja '64.

COLOR TELEVISION

Standardization of color television systems [with summary in English on p.95]. A.K.Kustarev. Tekh.kino i telev. 8 no.5:33-40 My '64.

COLORIMETRY

Colorimetric determination of free alkalies and acids in the preparations barbamyl and sodium ethaminal [with summary in English]. V.E.Egert, A.A.IUrka. Apt. delo 11 no.5:43-47 S-O '62.

Colorimetric method for determining pentoses and hexoses in hydrolyzates. T.L.Parfent'eva. Izv.vys.ucheb.zav.; pishch.tekh. no.2:156-160 '64.

Determination of β-picoline in tissues. A.G.Khalmuradov. Lab.delo no.4:224-225 '64.

Determining the reaction of culture media by the apparatus of N.I.Aliamovskii. V.M.D'iachenko. Lab.delo 8 no.7:46-47 Jl '62.

Qualitative and photocolorimetric determination of small quantities of synestrol. V.G.Belikov. Med.prom. 17 no.9:32-35 S '63.

Standardization of ram blood suspension by photoelectrocolorimetry (FEK-M) for the complement fixation test (RSK). L.S.Reznikova, O.A.Stoianova. Vest.derm.i ven. 37 no.5:46-48 My '63.

Turbidimetric modification of determining fibrinogen with the use of a photoelectrocolorimeter. I.I.Dantsig, A.S.Kantorovich. Lab.delo 8 no.7:22-24 Jl '62.

Using solutions with an imitating color for colorimetric determination of tungsten in ores and products of their beneficiation. A.N.Zhitomirskii. Sbor.nauch.-tekh. inform. no.3:19-20 '60.

COLORING MATTER IN FOOD

Effect of food coloring substances on the formation of the gelatin structure. V.M.Artemova, E.M.Usova. Izv. vys.ucheb.zav.; pishch.tekh. no.2:46-48 '64.

COLTSFOOT

Using coltsfoot as an index of a recent disturbance of the ground. V.I.Turmanina. Sov.geol. 7 no.4:131-132 Ap '64.

COLUMNS, CONCRETE

"Illegal" pillars. P.Studentsov. Izobr.i rats. no.3:20-21 '64.

COMA

N.K.Bogolepov. Comatose states. B.I.Sharapov, P.G. Areshev. Zhur.nevr.i psikh. 64 no.2:311 '64.

Some problems in consciousness disorders in cerebral apoplexy; an electroencephalographic study. E.S. Bein, E.A.Zhirmunskaia, Z.L.Lur'e. Zhur.nevr.i psikh. 64 no.2:191-199 '64.

COMBINES (AGRICULTURAL MACHINERY)—HYDRAULIC EQUIPMENT

Packing the plunger of a hydraulic cylinder. A.Pichugin. Tekh.v sel'khoz. 23 no.12:56 D '63.

COMBUSTION

Characteristics of the carbon combustion mechanism. N.V.Lavrov. Dokl.AN SSSR 156 no.3:662-665 '64.

Distortion of the sample of combustion products after the determination of oxygen using VTI and ORSA apparatus. A.A.Avdeeva, G.I.Vetkina. Teploenergetika 11 no.5:93-94 My '64.

Generation of sound in the collision of gas jets. V.I. Kondrat'ev. Akust.zhur. 10 no.1:66-70 '64.

I-t-diagram for the calculation of the combustion of Bukhara natural gas in furnaces of nonoxidizing heating. G.Akbarov. Gaz.delo no.3:31-36 '64.

Measuring the turbulent combustion rate by means of a burner with a laminar turbulent flame. F.B.Moin. Inzh.-fiz.zhur. 7 no.3:115-117 Mr '64.

Possible influence of the diffusion flow of reaction products from the flame on the decomposition of the condensed phase. O.I.Leipunskii. Dokl.AN SSSR 155 no.4:897-899 Ap '64.

Rate of burning of a model powder mixture in the diffusion region. B.V.Novozhilov. Zhur.fiz.khim. 36 no.11:2508-2511 N '62.

Theoretical analysis of the vibrational propagation of a flame in tubes. S.K.Aslanov. Inzh.-fiz.zhur. 7 no.3:118-120 Mr '64.

COMBUSTION RESEARCH

Effect of pressure and oxygen concentration on the ignition and combustion of small coal particles. B.D. Katsnel'son, I.IA.Marone. Teploenergetika 11 no.1:11-15 Ja '63.

COMEDY FILMS

Mechanics of the comic. R.IUrenev. Isk.kino 34 no.1:93-104 '64.

COMETS

All-Union conference on the investigation of the motion of minor planets and comets. V.S.Safronov. Vop. kosm. 9:265 '63.

Ephemeris of Ashbrook-Johnson's comet (1948 IX = 1956 II) for 1964. M.A.Merzliakova. Astron.tsir. no.263:1-2 O '63.

Graphic method for approximate solution of the reverse problem in the mechanical theory of comet forms [with summary in English]. E.Faiziev. Biul.Inst.astrofiz. AN Tadzh.SSR no.35:22-31 '63.

Nature of comets. V.G.Fesenkov. Meteoritika no.24:61-65 '64.

New Alcock's comet. Astron.tsir. no.249:1 Je '63.

Origin of comets [with summary in English]. B.IU. Levin. Vop.kosm. 9:215-231 '63.

Tempel-Swift's periodic comet. Astron.tsir. no.261:2 O '63.

COMETS—1963

New Kearns-Kwee's comet (1963d). Astron.tsir. no.261:1 O '63.

New Pereyra's comet (1963e). Astron.tsir. no.261:1-2 O '63.

COMMERCE

Against restrictions on trade. Milos Sehnal. Vsem. prof.dvizh. no.11:31-35 N '63.

Brief news. Mir.ekon.i mezhdunar.otn. no.4:113-115 '64.

International trade should serve progress, consolidate peace and mutual understanding; a speech by N.S. Patolichev, Head of the Soviet Delegation, Minister of Foreign Trade of the U.S.S.R. at the United Nations Conference on Trade and Development, March 26, 1964. Vnesh.torg. 44 no.4:9-15 '64.

Price problems of the world capitalist market. E.Georgiev. Vnesh.torg. 44 no.4:65-67 '64.

Seleznev, G.K. [The "Common Market" and international trade] "Obshchii rynok" i mezhdynarodnaia torgovlia. Moskva, "Mysl'," 1964. 94 p.

Several problems in the current struggle for the repartition of the world market. S.Dalin. Mir.ekon.i mezhdunar.otn. no.4:60-70 '64.

Study of the regularities of price determination at the world capitalist market. M.Moshenskii. Vop.ekon. no.4:104-108 Ap '64.

Woodpulp and paper production on the world market. N.A.Lurie. Bum.prom. no.4:28-30 Ap '64.

COMMERCIAL LAW

Aid for the expert appraisal of merchandize. IA.Kunik. Sov.torg. 37 no.4:45 Ap '64.

COMMERCIAL PRODUCTS

Aid for the expert appraisal of merchandize. IA.Kunik. Sov.torg. 37 no.4:45 Ap '64.

[New consumer goods; information bulletin] Nov.tov.; inform.biul. no.5 '64.

COMMONWEALTH OF NATIONS

Siamese twins and diplomacy. Vl.Petrov. Mezhdunar. zhizn' 11 no.5:115-116 My '64.

COMMUNICABLE DISEASES

(see also subdivision under Sverdlovsk Province)

Causes of the seasonal nature of droplet infections. Kh.A.Manev. Zhur.mikrobiol., epid.i immun. 40 no.9:73-78 S '63.

Duties of a nurse in the department of infectious diseases. N.A.Kosarikhina. Zdrav.Turk. 8 no.1:39-44 Ja '64.

Intensify the control of infectious diseases in children. D.D.Lebedev. Vop.okh.mat.i det. 7 no.6:3-5 Je '62.

M.B.TSuker. Infectious diseases of the nervous system in children. V.A.Erenkov. Zhur.nevr.i psikh. 64 no.2:311-313 '64.

Reviews, criticism and bibliography. Zhur.mikrobiol., epid.i immun. 40 no.4:146-153 Ap '63.

COMMUNICABLE DISEASES—BIBLIOGRAPHY see Bibliography—Communicable diseases

COMMUNICABLE DISEASES—PREVENTION

Apropos the discussion on the elimination of infectious diseases; opinion of practical workers. S.Kh.Lur'e, S.S.Krishtop. Zhur.mikrobiol., epid.i immun. 40 no.9:142-143 S '63.

COMMUNICABLE DISEASES IN ANIMALS

(see also subdivision under Soviet Central Asia)

Infection focuses. A.A.Boiko. Veterinariia 40 no.10:9-11 O '63.

Microstructure and stability of natural disease foci [with summary in English]. N.P.Naumov. Zool.zhur. 43 no.3:322-333 '64.

COMMUNICATION AND TRAFFIC—ACCOUNTING

Srapionov, O.S., Z.P.Eremina, and A.P.Sverkalova. [Business accounting within communication system enterprises] Vnutriproizvodstvennyi khozraschet v predpriiatiiakh sviazi. Moskva, Izd-vo "Sviaz'," 1964. 36 p. (Lektsii po ekonomike sviazi)

COMMUNICATIONS, MILITARY

Excellently protect equipment. V.Adel'finskii. Voen. vest. no.3:98-99 Mr '64.

Overcoming difficulties. N.Gudz'. Voen.vest. no.3:97-98 Mr '64.

COMMUNISM

(see also subdivision under Bulgaria; Estonia; Latin America)

Along the Lenin path toward the new goals in the building of communism. Ekon.sel'khoz. 35 no.4:1-4 Ap '64.

Andropov, IU.V. [Leninism lights up our road; report at the formal session dedicated to the 94th anniversary of V.I.Lenin's birth, held in Moscow on April 22, 1964] Leninizm ozariaet nash put'; doklad na torzhestvennom zasedanii v Moskve, posviashchennom 94-i godovshchine so dnia rozhdeniia V.I.Lenina 22 aprelia 1964 goda. Moskva, Politizdat, 1964. 29 p.

Contradiction or harmony? V.S.Zabaluev. Trudy Turk. sel'khoz.inst. 11 no.2:123-127 '62.

The depository of the great ideas of Leninism; V.I.Lenin's "Collected Works." G.D.Obichkin, M.IA.Pankratova. Vop.ist.KPSS 8 no.4:15-29 Ap '64.

Dialectics of forming intellectual life in the communist society. TS.A.Stepanian. Vop.filos. 18 no.4:60-71 '64.

Egorov, S.I. [With a thought about communism; the story of Madrugaliam Shagimuratov, a man of word and deed] S dumoi o kommunizme; rasskaz o Madrugaliame Shagimuratove, cheloveke slova i dela. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 35 p.
(NNC)

Elaboration by V.I.Lenin of the problems of scientific communism [with summary in English, p.185]. IU.P. Frantsev. Vop.filos. 17 no.12:3-15 '63.

Fidelity to the principles of Marxism-Leninism. Komm. Uz. 36 no.4:3-6 Ap '64.

Formation of the uniform norms of a communist society. I.I.Serchugov. Vop.filos. 17 no.12:45-53 '63.

In the Academic Council for the Over-All Problem on the "Regularities in the Development of Socialism and Transition to Communism." Vop.ekon. no.4:142-146 Ap '64.

An interesting discussion. IU.E.Fedorov. Vop.filos. 18 no.4:160-164 '64.

The law of the economics of working time and putting it into practice in the building of communism. O.Nesterenko. Ekon.Rad.Ukr. no.2:15-23 Mr-Ap '64.

Let there be everlasting sunshine! Sem'ia i shkola 19 no.1:1 Ja '64.

Marxist-Leninist theory of socialist revolution and the present. IU.Krasin. Komm.Vooruzh.Sil 4 no.20:9-18 O '63.

The Marxist-Leninist theory of the development of a bourgeois-democratic revolution into a socialist revolution. A.A.Shiriakov. Izv.LETI no.40:50-66 '60.

Our Soviet system. N.Bikkenin, G.Grigor'ev. Kommunist 41 no.8:35-45 My '64.

[The party leads us to communism] Nas k kommunizmu partiia vedet. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 305 p.
(CSt-H)

Semenkov, V.N. [Transition to a communist principle of distribution according to needs; for correspondence and evening school students] O perekhode k kommunisticheskomu printsipu raspredeleniia po potrebnostiam; dlia studentov zaochnogo i vechernego obucheniia. [Petrozavodsk] Vysshaia shkola, 1964. 43 p.

The socioeconomic formation. V.I.Gazenko. Vop.filos. 18 no.3:150-158 '64.

Strumilin, S.G. [Our world after 20 years] Nash mir cherez 20 let. [Moskva] "Sovetskaia Rossiia," 1964. 187 p.

[Trade unions of the U.S.S.R.; documents and materials in four volumes] Profsoiuzy SSSR; dokumenty i materialy v chetyrekh tomakh. [Moskva] Profizdat.
  Vol.4. [Trade unions during the completion of the building of socialism and the beginning of the large-scale building of communism, 1953-1963] Profsoiuzy v period zaversheniia stroitel'stva sotsializma i nachala razvernutogo stroitel'stva kommunizma (1953-1963 gg.) 1963. 845 p.

Under Lenin's banner and in Lenin's footsteps. Komm. Bel. 38 no.4:7-12 Ap '64.

Vague expounding of an important problem. Sh.V.Rcheulishvili. Vop.filos. 17 no.12:173 '63.

COMMUNISM—HANDBOOKS, MANUALS, ETC.

First experiment. G.I.Ezrin, A.I.Samsin. Vop.filos. 18 no.3:168-171 '64.

COMMUNISM—STUDY AND TEACHING

Let's accumulate experience and improve the course. N.S.Novoselov. Vest.vys.shkoly 22 no.4:72-75 Ap '64.

Presenting papers at seminars. P.T.Volkov, L.S. Tarnavskii. Vest.vys.shkoly 22 no.4:76-78 Ap '64.

COMMUNISM AND ART
(see also subdivision under Kazakhstan)

Art belongs to the people; an artist's notes. D.Nalbandian. Sov.profsoiuzy 20 no.8:33-24 Ap '64.

Broad perspectives of creativity. P.Sysoev. Iskusstvo 26 no.12:2-11 '63.

Guiding star. V.Perederii. Mystetstvo 10 no.6:3-4 N-D '63.

Justify the confidence of the party. Mystetstvo 10 no.5: 1-2 S-O '63.

Source of strength and invincibility. Mystetstvo 10 no.6:1-2 N-D '63.

Struggle for realism in the art of the 1920's. N.Shantyko. Iskusstvo 26 no.12:67-70 '63.

Vital beginning. V.Afanas'iev. Mystetstvo 10 no.6:5-8 N-D '63.

COMMUNISM AND LITERATURE

Use of folk aphorisms in party propaganda. I.Z.IArnevskii. Sov.lit.i fol'k.Bur. no.2:211-229 '62.

COMMUNISM AND MUSIC

A word to the young. K.Dan'kevych. Mystetstvo 10 no.5:3-4 S-O '63.

COMMUNISM AND RELIGION

Causes of the existence of the vestiges of religion in the U.S.S.R. V.S.Zabaluev. Trudy Turk.sel'khoz.inst. 11 no.2:129-135 '62.

COMMUNISM AND SOCIETY

Against the bourgeois distorted views on the possibility of transforming the social nature of man. N.I.Dzhabbarov, M.N.Perfil'ev. Obshchestv.nauki v Uz. 8 no.1:31-37 '64.

Filippov, F.R. [The role of the popular masses and personalities in history; a textbook for students at the secondary special schools of social sciences] Rol' narodnykh mass i lichnosti v istorii; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [n.p.] Vysshaia shkola, 1964. 33 p.

COMMUNISM AND ZIONISM

Zyskin, G.S. [Judaism and Zionism; whom they serve and how] IUdaizm i sionizm; komu i kak oni sluzhat. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 69 p.

COMMUNIST COUNTRIES—COMMERCE—GREAT BRITAIN

Lord Boyd-Orr for trade expansion between the East and the West. Vnesh.torg. 44 no.4:55 '64.

COMMUNIST COUNTRIES—COMMERCE—UNITED STATES

New trends. V.Kur'erov. Vnesh.torg. 44 no.4:61-64 '64.

COMMUNIST COUNTRIES—COMMERCIAL TREATIES

Multilateral agreements are an effective form of the economic cooperation of socialist countries. V.I.Morozov. Sov.gos.i pravo no.12:75-85 D '63.

COMMUNIST COUNTRIES—CONSTITUTIONAL LAW

Subject-matter and concept of socialist constitutional law. A.Kh.Makhnenko. Sov.gos.i pravo no.12:45-55 D '63.

COMMUNIST COUNTRIES—ECONOMIC ASSISTANCE, RUSSIAN

The aid of the U.S.S.R. in the industrialization of socialist countries. I.Kapranov. Vnesh.torg. 44 no.4:21-26 '64.

COMMUNIST COUNTRIES—FOREIGN RELATIONS

International law and historical progress. R.L.Bobrov. Sov.gos.i pravo. no.12:3-11 D '63.

[The nature of relations between socialist countries] O kharaktere otnoshenii mezhdu sotsialisticheskimi stranami. Moskva, Izd-vo "Mysl'," 1964. 30 p.

COMMUNIST COUNTRIES—INDUSTRIAL ORGANIZATION

Socialization of the means of production in the light industry of the European countries of the Peoples Democracies. IU.S.Sokolov. Nauch.trudy MTILP no.26: 3-26 '62.

COMMUNIST EDUCATION
(see also subdivision under Germany, East; Kazakhstan; Lithuania; Ukraine)

Aleksandrov, N.F. [Training in the communist attitude to work] Vospitanie kommunisticheskogo otnosheniia k trudu. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1962. 89 p.
(MH)

Certain problems facing the development of communist self-management [with summary in English]. N.M. Keizerov. Vest.LGU 19 no.5:47-57 '64.

Communism characteristics are being shaped today. A.Simonov, A.Svistunov. Pozh.delo no.4:12-13 Ap '64.

Education based on the traditions of revolution and labor. N.A.Syretshchikova. Sov.pedag. 28 no.4:54-58 Ap '64.

Goncharov, V.N. [Education is a communal cause; from the work of the party organization of the Korbolikha geological survey party] Vospitanie - delo obshchestvennoe; iz opyta raboty partiinoi organizatsii Korbolikhinskoi geologorazvedochnoi partii. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 36 p.
(CSt-H)

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Vestures instituts. [Labor and communist education] Trud i kommunisticheskoe vospitanie. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 140 p.

Let's teach them to be patriots. S.S.Zaitseva. Sov. pedag. 28 no.4:49-53 Ap '64.

Marxist-Leninist theory of knowledge and problems of the formation of a communist world view. G.M.Gak. Sov. pedag. 28 no.4:17-28 Ap '64.

N.S.Khrushchev on the communist education of younger generations. I.A.Kairov. Sov.pedag. 28 no.4:5-16 Ap '64.

We vary methodology and inculcate independence in students. F.N.Politkin, P.N.Khmylov. Vest.vys.shkoly 22 no.4:84-87 Ap '64.

COMMUNIST ETHICS

Against the bourgeois distorted views on the possibility of transforming the social nature of man. N.I.Dzhabbarov, M.N.Perfil'ev. Obshchestv.nauki v Uz. 8 no.1:31-37 '64.

Lenin on communist morals. M.I.Kondakov. Sov.pedag. 28 no.4:134-136 Ap '64.

Milovidov, A.S. [The ethical code and moral education of soldiers] Moral'nyi kodeks i nravstvennoe vospitanie voinov. Moskva, Voenizdat, 1964. 83 p.

Moral and ethical topics in newspapers. Part.zhizn' Kazakh. 34 no.4:76-79 Ap '64.

The moral code of a builder of communism. S.Muminov. Part.zhizn' [Uzb.] 7 no.4:95 Ap '64.

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES

Fidelity to the principles of Marxism-Leninism. Part. zhizn' [Uzb.] 7 no.4:5-7 Ap '64.

[Proletarian internationalism, the Standard of the workers of all countries and continents] Proletarskii internatsionalizm—Znamia trudiashchikhsia vsekh stran i kontinentov. Moskva, Izd-vo "Mysl'," 1964. 46 p.

A review of foreign historical-party journals. Vop.ist. KPSS 8 no.5:133-135 My '64.

The struggle of the CPSU for the unification of the international communist movement; resolution of the Plenum of the Central Committee of the CPSU, adopted on February 15, 1964. Komm.Bel. 38 no.4:5-6 Ap '64.

Struggle of the CPSU for the unification of the international communist movement; resolution of the Plenum of the Central Committee of the CPSU, adopted on February 15, 1964. Part.zhizn' [Uzb.] 7 no.4:3-4 Ap '64.

The struggle of the CPSU for the unity of the international communist movement; resolution of the Plenum of the Central Committee of the Soviet Union, approved on February 15, 1964. Komm.Uz. 36 no.4:2-3 Ap '64.

Struggle of the CPSU for unity of the world communist movement; resolution of the Plenum of the Central Committee of the CPSU adopted on February 15, 1964. Mezhdunar.zhizn' 11 no.5:6-7 My '64.

World Communists resist the dissenters. Kommunist 41 no.8:20-34 My '64.

COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography-Communist parties

COMMUNIST PARTY see subdivision under China; France; Italy; White Russia

COMMUNIST PARTY—PERIODICALS see subdivision under United States

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Alma-Ata Province; Azerbaijan; Caucasus, Northern; Kabardino-Balkar A.S.S.R.; Kazakhstan; Leninogorsk; Moldavia; Turkmenistan; Uzbekistan; Vladimir Government)

Amelin, G.K. [The Petrograd Military Revolutionary Committee and its role in the consolidation and protection of the conquests of the Great October Socialist Revolution from October to December 1917] Petrogradskii Voenno-revoliutsionnyi komitet i ego rol' v zakreplenii i okhrane zavoevanii Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; oktiabr' - dekabr' 1917 goda. Moskva, Vses. iurid.zaochnyi in-t, 1963. 41 p.

Answering readers' questions. Part.zhizn' Kazakh. 34 no.3:43-45 Mr '64.

Appointing to their former positions the secretaries of party organizations who weren't elected for another term. Part.zhizn' Kazakh. 31[i.e. 32] no.8:66 Ag '62.

Brief news. Vop.ist.KPSS 8 no.4:155-157 Ap '64.

Brief news. Vop.ist.KPSS 8 no.5:155-156 My '64.

A conference on methods for teaching the history of the CPSU. Vop.ist.KPSS 8 no.4:151 Ap '64.

Constantly follow the Regulations of the CPSU. V.Tiukhtiaev. Komm.Vooruzh.Sil 4 no.20:25-31 O '63.

[History of the Communist Party of the Soviet Union; chapters I-IX] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; I-IX glavy. [Tula] Tul'skoe knizhno izd-vo, 1959. 383 p.
(NNC)

Important topic. IU.V.Dorbinov, E.E.Shkliar. Vop.ist. KPSS 8 no.4:123-126 Ap '64.

International significance of the experience of the CPSU. A.Pozmogov. Komm.Vooruzh.Sil 4 no.20:88-92 O '63.

Joys and grief of the secretary of a party organization. I.Sutushko. Part.zhizn' Kazakh. 34 no.3:65-67 Mr '64.

Kommunisticheskaia partiia Sovetskogo Soiuza. Saratovskii oblastnoi komitet. Partiinyi arkhiv. [Saratov Party organization in the period of the attack of socialism on every front. Establishment of the collective farm regime; documents and materials, 1930-1932] Saratovskaia partiinaia organizatsiia v period nastupleniia sotsializma po vsemu frontu. Sozdanie kolkhoznogo stroia; dokumenty i materialy, 1930-1932 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1961. 397 p.
(CSt-H)

Leninist approach of the CPSU to the solution of the principal problem of the building of communism. P.N. Gapochka. Vop.filos. 18 no.4:16-26 '64.

Problems concerning lectures on the history of the CPSU in higher educational institutions. V.V.Ilovenko. Vop. ist.KPSS 8 no.5:144-147 My '64.

Program of the party and the June Plenum of the Central Committee of the CPSU on the education of Soviet soldiers. A.Bezrukov. Komm.Vooruzh.Sil 4 no.20: 71-77 O '63.

Shibaeva, N.P. [The Bolshevik Party in the reactionary period from 1907 to 1910] Partiia bol'shevikov v period reaktsii (1907-1910 gg.) Moskva, Politizdat, 1964. 30 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Simarzin, V.S. [How to conduct the study of the theme; "The party, the inspirer and organizer of the victory of the Great October Socialist Revolution, March-October 1917] Kak provesti zaniatie po teme: "Partiia - vdokhnovitel' i organizator pobedy Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii, mart-oktiabr' 1917 goda. [Groznyi] Groznenskii rabochii [1963] 17 p.
(CSt-H)

Sverdlovsk. Gosudarstvennyi pedagogicheskii institut. [Problems of the history of the CPSU and philosophy; a collection of articles by the departments of the social sciences] Voprosy istorii KPSS i filosofii: sbornik statei kafedr obshchestvennykh nauk. Sverdlovsk, Sverdlovskii gos. pedagog. in-t, 1960. 172 p.
[MICROFILM]

To communism by Lenin's policy! M.M.Privalov, V.I. Gazzaev. Sov.voin 44 no.23:1 D '62.

Varlamov, K.I., and N.A.Slamikhin. [Unmasking of the theory and tactics of "leftist communists" by V.I.Lenin, November 1917 to 1918] Razoblachenie V.I. Leninym teorii i taktiki "levykh kommunistov," (noiabr' 1917 g. - 1918 g.). Moskva, Izd-vo "Mysl'," 1964. 414 p.

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

The 13th Congress of the Russian Communist Party (Bolsheviks). Vop.ist.KPSS 8 no.5:3-15 My '64.

The 20th Congress of the CPSU and the Belgian labor movement. Ernest Burnelle. Vop.ist.KPSS 8 no.4: 30-38 Ap '64.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
(see also subdivision under Chimkent Province; Kazakhstan; Ural'sk; Uzbekistan; White Russia)

Activists are exchanging experiences. I.Afanas'ev. Part.zhizn' Kazakh. 34 no.3:52-53 Mr '64.

Activity of the party organization of White Russia in introducing advance practice to industry; 1959-1963. V.S.Bogdanov. Vop.ist.KPSS 8 no.5:16-24 My '64.

Aggressive, militant, implacable atheism. P.Kuz'min. Part.zhizn' Kazakh. 34 no.1:38-41 Ja '64.

Akhalaia, I.D., comp. [The Revolutionary Committees of Georgia in the struggle for the establishment and consolidation of the Soviet regime, from February 1921 to March 1922; documents and materials] Revoliutsionnye komitety Gruzii v bor'be za ustanovlenie i uprochenie Sovetskoi vlasti (fevral' 1921 g.-mart 1922 g.); sbornik dokumentov i materialov. Sukhumi, Abgosizdat, 1963. 533 p.

Alarming situation on a trestlework. E.Kamenev. Part.zhizn' Kazakh. 34 no.4:30-42 Ap '64.

Always in the front line. V.Matveev. Komm.Bel. 38 no.4:61-66 Ap '64.

Beacons are shining for all. A.Ainabekov. Part.zhizn' [Uzb.] 7 no.4:51-53 Ap '64.

Bearing the name of Lenin. M.Savel'ev. Part.zhizn' [Uzb.] 7 no.4:32-36 Ap '64.

The bold subdue the virgin land. F.Kurbanov. Part. zhizn' [Uzb.] 7 no.4:60-61 Ap '64.

Bourgeois distortion of the role of the CPSU in the conquest of the virgin lands. V.I.Kulikov. Vop.ist.KPSS 8 no.5:119-126 My '64.

COMMUNIST PARTY OF THE SOVIET UNION - PARTY WORK (Continued)

Bykov, V. V. [Party requirements of a leader] Partiinye trebovaniia k rukovoditeliu. [Moskva] Mosk. rabochii, 1964. 39 p. (Biblioteka sekretaria partorganizatsii)

Capture of the [illegible] Part. zhizn' Kazakh. 34 [illegible] Ap '64.

The [illegible] Part. zhizn' Kazakh. [illegible]

Communists [illegible] Part. zhizn' Kazakh. [illegible]

The [illegible] Vop. ist. KPSS [illegible] '64.

Decisions are made by the will of the party. A. [illegible] Part. zhizn' Kazakh. [illegible] My '64.

Development of the logging [illegible] Kommun. Uz. [illegible] Ap '64.

[illegible] Ap '64.

[illegible]

[Efficient people's control] [illegible] Ashkhabad, [illegible] 1964. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible], V. V. [Activity of party organizations in the consolidating of the [illegible]] [illegible] Moskva, Izd-vo "Mysl'," 1964. [illegible] p. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Kibalov, [illegible] [The art of administration is a key to success; the CPSU in the struggle for the development and perfecting of the organizational forms of the administration of the national economy] [illegible] Kyiv, 1963. 41 p. [illegible]

[illegible] [Communist basis of ideological work of the party. The [illegible] meeting of representatives of the Central Committee of the CPSU with representatives of the Central Committee of the Communist Party of China] [illegible] 1963. 38 p.

[illegible] [Toward communist self-government; from the practice of the Communist Party of Turkmenistan] [illegible] Ashkhabad, Turkmengosizdat, 1963. 107 p.

Learning how to economize. [illegible] Part. zhizn' Kazakh. 34 no.[illegible] My '64.

Listen closely to the voice of the masses. [illegible] Part. zhizn' Kazakh. 34 no.[illegible] Ap '64.

Line for the [illegible] and effects of production. Kommun. Uz. 38 no.[illegible] Ap '64.

The main direction in intensification. U. Nishanov. Part. zhizn' [Uzb.] 7 no.4:15-20 Ap '64.

The method of practical tasks. I. I. Smirnov. Vop. ist. KPSS [illegible] no.5:56-60 My '64.

[Militant party helpers; from the work practice of the organs of party-state control in the Estonian S.S.R.] Boevye pomoshchniki partii; iz opyta raboty organov partiino-gosudarstvennogo kontrolia v Estonskoi SSR. Tallinn, Estonskoe gos. izd-vo, 1964. 137 p.

Moscow. Akademiia obshchestvennykh nauk. [Development of communist consciousness] Vospitanie kommunisticheskoi soznatel'nosti. Moskva, Izd-vo "Mysl'", 314 p.

Nearer to production. A. [illegible] Part. zhizn' Kazakh. 34 no.[illegible] Mr '64.

Organizational party work should be practical and businesslike. Part. zhizn' Kazakh. 34 no.3:36-40 Mr '64.

Party committee and the new [illegible] [illegible] Part. zhizn' Kazakh. 34 no.4:42-45 Ap '64.

The party committee is working in the old way. K. Zainiddinov. Part. zhizn' [Uzb.] 7 no.4:54-55 Ap '64.

The party organization and technological intelligentsia. [illegible] Part. zhizn' Kazakh. 34 no.1:[illegible] Ja '64.

The Party Organization of Turkestan in the struggle for the restoration of the national economy. A. Khan. Part. zhizn' [Uzb.] 7 no.4:[illegible]-41 Ap '64.

Party's universities. O. [illegible] Part. zhizn' [Uzb.] 7 no.4:[illegible] Ap '64.

Perfecting the working methods of rural party committees. Part. zhizn' Kazakh. 34 no.1:[illegible] Ja '64.

Problems in the party guidance of the process of transition of the formerly underdeveloped countries of the U.S.S.R. to socialism, bypassing capitalism. A. A. Anatol'ev. Vop. ist. KPSS 8 no.4:[illegible] Ap '64.

Promoting effective propaganda in the countryside. [illegible] Part. zhizn' [Uzb.] 7 no.4:52-61 Ap '64.

[illegible] improving the work method. [illegible] Part. zhizn' Kazakh. 34 no.3:[illegible] Mr '64.

[illegible] Part. zhizn' Kazakh. 34 [illegible] '64.

Research on the history of the party and political work in the Soviet Army. A. A. [illegible], V. P. Seregin. Vop. ist. KPSS 8 no.5:[illegible] My '64.

[illegible] A. [illegible] Part. zhizn' [Uzb.] 7 no.4:[illegible] Ap '64.

The role of specialization in the intensification of irrigation farming. V. [illegible] Kommun. Uz. 38 no.4:[illegible] Ap '64.

Sobol'eva, P. A. **[Party work in creative cultural organizations and agencies, from the work of the Moscow Urban Committee of the CPSU. Lecture delivered in the Higher Party School at the Central Committee of the CPSU] O partiinoi rabote v tvorcheskikh organizatsiiakh i uchrezhdeniiakh kul'tury, iz opyta raboty Moskovskogo gorodskogo komiteta KPSS. Lektsiia, prochitannaia v Vysshei partiinoi shkole pri TsK KPSS. Moskva, Izd-vo VPSh pri TsK KPSS, 1963. 47 p. (Partiinoe stroitel'stvo, kurs lektsii)**
[illegible]

Some features of the Leninist style of work. A. [illegible] Kommun. Uz. 38 no.4:[illegible] Ap '64.

[illegible] A. Georgiev. Part. zhizn' Kazakh. 34 no.4:[illegible] Ap '64.

[illegible] with the new logging [illegible] Part. zhizn' Kazakh. 34 no.1:[illegible] Ja '64.

They are interested in everything. P. Zhilkin. Part. zhizn' [Uzb.] 7 no.4:[illegible] Ap '64.

They will operate the "blue ships." F. [illegible] Part. zhizn' [Uzb.] 7 no.4:[illegible] Ap '64.

The training center of a collective farm. [illegible] Kommun. Est. 20 no.4:[illegible] Ap '64.

The training of teachers' groups in Uzbekistan in the years of the Great Patriotic War. T. V. [illegible] [illegible] '64.

Under the banner of Leninism. Kryl. rod. 15 no.5:[illegible] Ap '64.

Use of the strength of the groups of volunteers. G. [illegible] Part. zhizn' Kazakh. 34 no.4:[illegible] Ap '64.

Virgin territory on the eve of sowing. Part. zhizn' Kazakh. 34 no.4:[illegible] Ap '64.

Walking forward with confidence on an extensive front. [illegible] Kommun. Est. 38 no.4:13-19 Ap '64.

We need more practical help. A. [illegible] Part. zhizn' Kazakh. 34 no.3:[illegible] Mr '64.

With Lenin in our hearts. F. [illegible] Part. zhizn' Kazakh. 34 no.4:[illegible] Ap '64.

[Work with people is the main concern] Glavnoe - rabota s liud'mi. Moskva, Sovetskaia Rossiia, 1962. 140 p. (Resheniia XXII s"ezda KPSS-v zhizn'!)
[illegible]

Workers' participation in protecting law and public order. A. [illegible], [illegible] Kommunist 41 no.9:[illegible]-124 My '64.

COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS

Forty years of the periodical "Kommunist." Part. zhizn' Kazakh. 34 no.4:[illegible] Ap '64.

Letters to the editor. Vop. ist. KPSS 8 no.5:150-152 My '64.

The theoretical organ of the Lenin party. Komm. Bel. 38 no.4:71-73 Ap '64.

COMMUNIST STATE

F. M. Burlatskii's "State and communism." V. A. Tumanov. Sov. gos. i pravo 34 no.4:134-136 Ap '64.

COMMUNIST YOUTH LEAGUE
(see also subdivision under Estonia)

Aligning on communists. V. [illegible] Komm. Vooruzh. Sil 4 no.20:58-60 O '63.

...And nobody was indifferent. V. Merentsov. Sov. voin 44 no.23:15 D '62.

Eighty out of a hundred are experts. L. Evtukhov, V. [illegible] Komm. Vooruzh. Sil 4 no.20:53-55 O '63.

Friendship born in battles. M. Amel'chenko. Komm. Vooruzh. Sil 4 no.20:55-57 O '63.

[illegible], V. A. **[I ask for directions...] Proshu napravit'.... [Moskva] Molodaia gvardiia, 1964. 159 p.**

Komsomols of the 20's. M. Brok. Sov. muz. 27 no.11:9-14 N '63.

Life is close by. M. Molchan. Sov. voin 44 no.23:15 D '62.

Lipetsk. Oblastnoe upravlenie kul'tury. [Toward the 45th anniversary of the All-Union Lenin Communist Youth League; a methodological textbook. An aid to the worker in the cultural and educational field and the Communist Youth League activist] Navstrechu 45-letnemu iubileiu Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi; metodicheskoe posobie. V pomoshch' kul'tprosvetrabotniku i komsomol'skomu aktivistu. Lipetsk, Izd-vo gazety "Leninskoe znamia," 1963. 99 p.
[illegible]

The new and interesting.... How is it to be found? V. [illegible] Sov. voin 44 no.23:14 D '62.

Party confidence inspires youth. M. [illegible] Part. zhizn' Kazakh. 34 no.4:30-32 Ap '64.

Tireless. Zh. [illegible] Part. zhizn' Kazakh. 34 no.3:[illegible] Mr '64.

Unanimous decision to accept. V. [illegible] Komm. Vooruzh. Sil 4 no.20:57-58 O '63.

War records of the Communist Youth League. I. P. [illegible] Vop. ist. KPSS 8 no.4:120-123 Ap '64.

We are deceiving our own selves. I. [illegible] Sov. voin 44 no.23:14 D '62.

When the goal is clear. I. Murav'ev. Sov. voin 44 no.22: 13 N '62.

COMMUNISM see subdivision under Germany, East; Hungary; Novosibirsk Province; Yaroslavl Province

COMMUNITY AND SCHOOL see subdivision under Kazan; Orenburg Province; Ukraine; Vitebsk

COMMUTATION (ELECTRICITY)

Causes of unsatisfactory commutation in the main generators of diesel locomotives. M. F. Karasev, A. M. [illegible], V. P. [illegible] Trudy OMIIT 37:[illegible] '62.

[illegible] commutator having a wide range of switching speeds. N. V. [illegible], V. I. Iakovlev. [illegible] 9 no.[illegible] Mr-Ap '64.

Commutation of electric traction motors under actual operating conditions and methods for studying it. M. F. Karasev and others. Trudy OMIIT 37:[illegible] '62.

Commutation of the traction motors of a diesel locomotive in nonsteady operation and methods for studying it. M. F. Karasev, A. M. [illegible], V. P. [illegible] Trudy OMIIT 37:[illegible] '62.

Commutation tests of an eight-axle electric locomotive with regulated characteristics. A. M. [illegible], G. I. [illegible] Trudy OMIIT 37:[illegible] '62.

E.m.f. and voltage drop during commutation. M. F. Karasev, N. IA. Medlin, V. P. [illegible] Trudy OMIIT 37:[illegible] '62.

Phase commutator. V. S. [illegible] Sbor. nauch. trud. [illegible] no.21:[illegible] '63.

Reply to O. G. Vagner's remarks on the book "Commutation of d.c. machines." M. F. Karasev. Trudy OMIIT 37:[illegible] '62.

"Small current step" in commutation. M. F. Karasev, N. IA. Medlin, V. P. [illegible] Trudy OMIIT 37:30-31 '62.

COMPASS

Remote magnetic compasses for the merchant marine. V. V. Voronov. Sudovozhdenie no.3:97-102 '63.

COMPLEMENT FIXATION

Active modification of the complement fixation reaction with the fresh blood of the patient for the diagnosis of scleroma. V. L. [illegible] Zhur. ush., nos. i gorl. bol. 23 no.6:82-85 N-D '63.

Importance of the reaction of complement fixation in the diagnosis of dysentery. P. M. Ivanov. Zdrav. Turk. 8 no.1:27-29 Ja '64.

Standardization of rare blood suspension by photoelectrocolorimetry (FEK-M) for the complement fixation test (RSK). L. S. Reznikova, O. A. [illegible] Vest. derm. i ven. 37 no.5:[illegible] My '63.

Toxoplasmosis in farm animals and poultry in eastern Kazakhstan according to the complement fixation reaction. A. Y. Levit, U. D. [illegible] [illegible] Kazakh. [illegible]

COMPLEX COMPOUNDS

Density, viscosity, and specific conductivity of $CdBr_2$ solutions in acetone, water, and their mixtures. A. IA. [illegible]. Zhur.fiz.khim. 36 no.11:2479-2480 N '62.

o-Hydroxyphenyliminodiacetic acid. R.P.Lastovskii, V.IA.Temkina, L.M.Samylova. Metod.poluch.khim.reak.i prepar. no.6:67-68 '62.

Synthesis of metal complex compounds of asymmetrical [illegible]. N.P.Smirnov, V.F.Borodkin, G.I. [illegible]. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:113-121 '64.

COMPLEX COMPOUNDS—CONGRESSES

[illegible] conference on the chemistry of complex compounds. Ukr.khim.zhur. 30 no.2:30 '64.

COMPLEXES

Theory of complexes in biaxial space. N.I.Kovantsov. Izv.vys.ucheb.zav.; mat. no.1:59-68 '64.

COMPLEXONS

Aniline-N,N-diacetic-o-arsonic acid. R.P.Lastovskii, I.D.Kolpakova, L.I.Kozhelenko. Metod.poluch.khim.reak.i prepar. no.6:65-67 '62.

Azoxines. A.I.Busev, L.L.Talipova. Metod.poluch.khim.reak.i prepar. no.6:35-40 '62.

Complexometric determination of magnesium and calcium in the products of the titanium industry [with summary in English]. V.N.Tikhonov, M.IA.Grankina, V.I. Koroleva. Zhur.anal.khim. 19 no.1:59-62 '64.

Complexometric determination of tetravalent germanium [with summary in English]. V.A.Nazarenko, N.V. Lebedeva, L.I.Vinarova. Zhur.anal.khim. 19 no.1: [illegible] '64.

Cyclohexylamine-N,N-diacetic acid. R.P.Lastovskii, I.D.Kolpakova, N.I.Ivanova. Metod.poluch.khim.reak.i prepar. no.6:60-62 '62.

Disodium salt of 2-naphthol-1-[N-dicarboxymethyl)-aminomethyl]-3,6-disulfonic acid. R.P.Lastovskii, V.V.Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:75-76 '62.

3-Hydroxy-4-carboxyphenyliminodiacetic acid. R.P. Lastovskii. V.IA.Temkina, E.I.Mironova. Metod.poluch.khim.reak.i prepar. no.6:70-71 '62.

p-Hydroxyphenyliminodiacetic acid. R.P.Lastovskii, V.IA.Temkina, L.M.Samylova. Metod.poluch.khim.reak.i prepar. no.6:68-70 '62.

Indirect titrimetric determination of bromides with complexon III [with summary in English]. S.I.Gusev, I.A.Kozhevnikova. Zhur.anal.khim. 18 no.3:366-370 Mr '63.

3,5,7,3',4'-Pentahydroxy-6,8-bis-[N,N'-di-(carboxymethyl)-aminomethyl]-flavone. R.P.Lastovskii, V.V. Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:76-78 '62.

7-(2-pyridylazo)-8-hydroxyquinoline. A.I.Busev, V.M. Ivanov, L.L.Talipova. Metod.poluch.khim.reak.i prepar. no.6:40-42 '62.

a,a',a''-Triaminedibenzyldiphenylmethane-N,N,N',N'',N''-hexaacetic acid. R.P.Lastovskii, I.D.Kolpakova. Metod.poluch.khim.reak.i prepar. no.6:73-74 '62.

2,6,7-Trihydroxy-9-(2'-hydroxyphenyl)-3-fluorone-5,3'-bismethyliminodiacetic acid. R.P.Lastovskii, V.V. Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:78-79 '62.

COMPOSERS see subdivision under Leningrad

COMPOSITION (MUSIC) see subdivision under Uzbekistan

COMPOST
(see also subdivision under Chuvashia)

Composts and organic-mineral fertilizers; survey of articles. T.Fedeneva. Zemledelie 26 no.1:43-45 Ja '64.

COMPOST—COSTS

Economic evaluation of the effectiveness of manure-soil composts. V.A.Vasil'ev. Zemledelie 26 no.4:56-62 Ap '64.

COMPRESSED AIR

Decrease in the consumption of compressed air by consumers. V.I.Shishkin. Prom.energ. 19 no.4:28-29 Ap '64.

Experience in blowing compressed air into the bath of electric arc furnaces. N.G.Davydov. Izv.vys.ucheb.zav.; chern.met. 7 no.4:68-70 '64.

Karabin, A.I. [Compressed air; production, use, means of economy] Szhatyi vozdukh; vyrabotka, potreblenie, puti ekonomii. Moskva, Izd-vo "Mashinostroenie," 1964. 342 p.

Results of rock breaking by compressed air. N.I. Aleksandrov, I.I.Efanov. Nauch.soob.IGD 22:117-122 '63.

COMPRESSED GAS see Gases, Compressed

COMPRESSED WOOD see Wood, Compressed

COMPRESSORS

Change in the electrical network of the VP-20/8 air compressor. S.M.TSagaraev. Prom.energ. 19 no.4:14-16 Ap '64.

Determining the temperature of a gas at characteristic points of the working cycle of compressors on the basis of experimental data. N.B.Kadirov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:105-110 '64.

In the V.I.Lenin Machinery Plant on the Neva. P.D. Buchkin. Energomashinostroenie 9 no.3:45 Mr '63.

Khrapach, G.K. [Installation and repair of compressors] Montazh i remont kompressorov. Moskva, Izd-vo "Nedra," 1964. 479 p.

Redesigning the automatic system of controlling the performance of the 2BG and 55V compressors. B.M.Titov. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:150-153 '64.

Smirnov, V.A. [Installation, adjustment, operation, and repair of the equipment of a gas turbine compressor station] Montazh, naladka, ekspluatatsiia i remont oborudovaniia gazoturbinnoi kompressornoi stantsii. Leningrad, Izd-vo "Nedra," 1964. 126 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

COMPRESSORS—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref.zhur.: Nasosostr.i kompressorostr. nos.5-6 My-Je '64.

COMPRESSORS—AERODYNAMICS

Effect of added volumes on the characteristics of a compressor and vibratory stresses of blades. N.I.Sapozhnikov. Izv.vys.ucheb.zav.; av.tekh. 7 no.1:187-189 '64.

COMRADES COURTS

In the name of comrades. M.Sharipov. Sov.profsoiuzy 20 no.7:19-20 Ap '64.

Our answers to questions. Sov.iust. 28 no.9:29-30 My '64.

CONCEPTION—PREVENTION

Inhibitory action of substances of plant origin on some endocrine functions. R.D.Viazovskaia. Usp.sovr.biol. 56 no.2:265-273 S-O '63.

CONCERTS see subdivision under Siberia

CONCRETE

Automatic proportioning device for concrete mix. V.P. Brodskii. Mekh.stroi. 21 no.5:22-23 My '64.

Coarse-grained autoclaved concrete from burnt rock. L.S.Volkvadze, A.G.Dzhaparidze. Stroi.mat. 9 no.8:15-17 Ag '63.

Cutting and burning holes in concrete by high-speed flame. N.V.Filatov. Mekh.stroi. 21 no.4:19-20 Ap '64.

Effect of sodium bentonite on the structure formation of concretes [with summary in English]. V.N. IAtsyna. Dop.AN URSR no.2:232-235 '64.

Lapir, F.A. [Equipment and means for automating the manufacture of concrete and reinforced concrete] Oborudovanie i sredstva avtomatizatsii dlia proizvodstva betona i zhelezobetona. Moskva, Izd-vo "Mashinostroenie," 1964. 232 p.

Machine for cutting grooves, bosses, and face of blocks. A.M.Levinskii. Mekh.stroi. 21 no.5:27 My '64.

Problems of the continuous manufacture of concrete mix. A.G.Davidson. Sbor.nauch.trud.LISI no.22:5-18 '55.

Special quick-hardening. R.Markova. Izobr.i rats. no.3:19 '64.

The V.N.Kolesnikov electrovibration stand. A.M.Levinskii. Mekh.stroi. 21 no.5:26 My '64.

CONCRETE—ANALYSIS

Method of determining the composition of cement and sand concretes. A.A.Kas'ian. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:101-110 '63.

CONCRETE—CORROSION

New standard document on signs and norms of the corrosive action of water on reinforced concrete and concrete structures. Biul.stroi.tekh. 20 no.11:15-16 N '63.

Waterproofing of cellular concrete with polymer still residues. G.I.Knigina. Stroi.mat. 10 no.4:1-2 Ap '64.

CONCRETE—CURING

Automation of the moist thermal curing of reinforced concrete pipes. B.I.Karpukhov. Mekh.stroi. 21 no.5:17-18 My '64.

Automation of thermal moist-curing of products in a steam chamber. V.A.Nikiforov. Stroi.mat. 9 no.8:21-22 Ag '63.

Device for automating the moist thermal curing of reinforced concrete products. V.I.Krichevets, V.S. Rozenfel'd. Mekh.stroi. 21 no.5:19-21 My '64.

Electric curing of light concrete with a slag binding material. A.Mironov and others. Stroi.mat. 10 no.1:31-33 Ja '64.

CONCRETE—TESTING

Investigating the effect of some factors on the solidification of plasticized concrete. R.Farmazian. Prom.Arm. 7 no.3:49-51 Mr '64.

Koordinatsionnoe soveshchanie po metodike laboratornykh issledovanii deformatsii i prochnosti betona, armatury i elementov zhelezobetonnykh konstruktsii, 1961. [Methods of laboratory research in the deformation and strength of concrete, reinforcements, and reinforced concrete structures; transactions] Metodika laboratornykh issledovanii deformatsii i prochnosti betona, armatury i zhelezobetonnykh konstruktsii; trudy. Pod red. V.V.Makaricheva. Moskva, Gosstroiizdat, 1962. 333 p.

Resistance of concrete to biaxial stretching. I.N. Akhverdov, S.M.Itskovich. Dokl.AN BSSR 8 no.1:44-46 Ja '64.

Study of the deformation concrete. A.A. [illegible] and others. Sbor.nauch.trud.KGRI 18:20-44 '62.

Study of the properties of plastic concrete. K.D. [illegible], L.I.Seletskii, V.A.Romanova. Trudy TSNIIPodzemshakhstroia no.2:168-172 '63.

Testing refractory concrete on molten glass in large-diameter kiln. N.V.Il'ina. TSement 30 no.2:12-13 Mr-Ap '64.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE COLUMNS see Columns, Concrete

CONCRETE CONSTRUCTION

At the building site of the Kozinsk viaduct. V.N.Kutsenko. Transp.stroi. 13 no.11:15-16 N '63.

Multistory experimental buildings of lime-concrete elements. L.M.Khavkin. Stroi.mat. 10 no.4:26-27 Ap '64.

Ushamirskii, M.K. [Building apartment houses of large keramzit concrete elements; practices of the Building and Assembling Trust No.26] Stroitel'stvo domov iz krupnorazmernykh keramzitobetonnykh elementov; iz opyta raboty Stroitel'no-montazhnogo tresta no.25. (Bibliotechka stroitelia)

Waterproofing of concrete reservoirs. I.Beliakov, I.Rassadkin. Pozh.delo no.4:22 Ap '64.

CONCRETE CONSTRUCTION—FORMWORK

Form removal strength of concrete during the sinking of vertical mine shafts. A.F.Pokrutskin. Shakht.stroi. 7 no.12:14-15 D '63.

Method of concreting without form work. IU.Z. [illegible]. Trudy TSNIIPodzemshakhstroia no.2:131-141 '63.

CONCRETE MIXERS

Batch-type gravitational concrete mixers. Biul.stroi.tekh. 20 no.11:20 N '63.

Turbine-type concrete mixers. Sbor.nauch.-tekh.inform. no.3:42 '60.

CONCRETE PAVEMENTS see Pavements, Concrete

CONCRETE PILING

Concreting borehole piles under a layer of clay muds and the effect of bond between concrete and steel strength of elements undergoing bending. O.A.Bogdanovich. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:48-51 '63.

CONCRETE PIPE see Pipe, Concrete

CONCRETE PRODUCTS

Important problems concerning the development of the industry of large-scale elements and details from cementless concrete. S.A.Krzheminskii. Stroi.mat. 9 no.8:33-34 Ag '63.

Sorokor, V.I. [Problems and examples in the technology of concrete and reinforced concrete products] Zadachi i primery po tekhnologii betonnykh i zhelezobetonnykh izdelii. Moskva, Izd-vo lit-ry po stroit., 1964. 235 p.

Technology of producing section I-beam supports for overhead contact systems by the vibratory method. S.I.Kachur. Transp.stroi. 13 no.11:10-13 N '63.

CONCRETE REFRACTORY see Refractory concrete

CONCRETE REINFORCEMENT

Belenia, E.I. [Bearing structures of prestressed metal] Predvaritel'no napriazhennye metallicheskie nesushchie konstruktsii. Moskva, Gosstroiizdat, 1963. 322 p.

Levi, S.S., and G.P.Sokov. [Economy in the use of steel reinforcements is an important task for builders] Ekonomiia armaturnoi stali - vazhnaia zadacha stroitelei. Moskva, Gosstroiizdat, 1963. 37 p.

Mechanizing the manufacture of reinforcing wire cables. V.K.Alekhin. Mekh.stroi. 21 no.5:15-16 My '64.

Rigidity and crack resistance of concrete beams with prestressed reinforced wires for roofs of industrial buildings. A.S.Gorlanov. Sbor.nauch.rab.DVNIIS no.3:40-48 '62.

Testing reinforced concrete crane girders. A.S.Gorlanov. Sbor.nauch.rab.DVNIIS no.3:49-54 '62.

Using the capacity of bar bender for bending steel reinforcements. A.N.Karmishonskii, A.E.Smirnov. Sbor.nauch.trud.LISI no.22:19-24 '55.

CONCRETE REINFORCEMENT—BOND
(see also subdivision under Georgia)

Concreting borehole piles under a layer of clay muds and the effect of bond between concrete and steel strength of elements undergoing bending. O.A.Bogdanovich. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:48-51 '63.

CONCRETE REINFORCEMENT—CORROSION

Using KAP mesh reinforced foam concrete slabs as coverings. S.N.Alekseev, I.A.Liakhovich, Z.V.Serkova. Prom.stroi. 41 no.12:30-31 D '63.

CONCRETE REINFORCEMENT—SAFETY MEASURES

TSynkov, V.M., and I.I. Zus'man. [Safety manual on the tensioning of reinforcement] Tekhnika bezopasnosti pri natiazhenii armatury. Moskva, Transport, 1964. 30 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

CONCRETE REINFORCEMENT—TESTING

Koordinatsionnoe soveshchanie po metodike laboratornykh issledovanii deformatsii i prochnosti betona, armatury i elementov zhelezobetonnykh konstruktsii, 1961. [Methods of laboratory research in the deformation and strength of concrete, reinforcements, and reinforced concrete structures; transactions] Metodika laboratornykh issledovanii deformatsii i prochnosti betona, armatury i zhelezobetonnykh konstruktsii; trudy. Pod red. V.V. Makaricheva. Moskva, Gosstroiizdat, 1962. 333 p.

CONCRETE ROADS see Roads, Concrete

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SLABS

Automated lines for the manufacture of reinforced concrete slabs. F.A.Lapir, G.V.Kudrin, N.E.Korolev. Mekh.stroi. 21 no.5:5-7 My '64.

Cohesion of cast-in-situ and old concrete in precast slabs undergoing dynamic loads. V.G.Mikul'skii. Transp.stroi. 13 no.11:53-55 N '63.

Vibration system of manufacturing multispan slabs. V.M.Korotkov. Sbor.nauch.rab.DVNIIS no.3:55-57 '62.

CONCRETE WALLS

Nekrasov, A.S. [Framed buildings with wall filling of local building materials] Karkasnye zdaniia s zapolneniem sten mestnymi stroitel'nymi materialami. Moskva, Stroiizdat, 1964. 130 p.

CONDENSATE OIL WELLS

(see also subdivision under Krasnodar Territory)

Determination of the dynamic pressure of initial condensation in the presence of a porous medium. E.S. Sadykh-Zade, IU.G.Mamedov, N.M.Rafibeili. Izv. vys.ucheb.zav.; neft' i gaz 6 no.12:33-34 '63.

Method for determining the reservoir pressure in wells that produce gas, condensate, and oil. K.V.Pokrovskii, M.S.Razamat. Izv.vys.uch.zav.; neft' i gaz 5 no.9: 45-50 '62.

CONDENSATE OIL WELLS—THERMODYNAMICS

Approximate method for calculating certain thermodynamic parameters of gas condensate systems. A.M.Khiteev. Gaz.delo no.11:6-9 '63.

CONDENSATION

The condensation factor. N.N.Kochurova. Inzh.-fiz. zhur. 7 no.3:68-72 Mr '64.

CONDENSERS (ELECTRICITY)

Installation of a type KMV condenser unit in the open-air section of a substation. V.I.Kuznetsov, B.A.Pavliuk. Elek.i tepl.tiaga 7 no.12:7 D '63.

Mechanism involved in the rectifying action of solid electrolytic condensers [with summary in English]. G.A.Martiniuk, P.D.Lukovtsev. Zhur.fiz.khim. 36 no.11:2340-2346 N '62.

Moscow. Vsesoiuznyi zaochnyi energeticheskii institut. Kafedra elektroizoliatsionnoi i kabel'noi tekhniki. [Study of the relationship between the properties of condenser paper and the quality of paper condensers; manual for the course in "Technology and electric insulation"] Issledovanie sviazi mezhdu svoistvami kondensatornoi bumagi i kachestvom bumazhnykh kondensatorov; uchebnoe posobie po kursu "Tekhnologiia elektricheskoi izoliatsii." Moskva, 1962. 29 p.
[MICROFILM]

Oxide paper, the new type of condenser paper. B.B. Gutman and others. Bum.prom. no.1:12 Ja '64.

Some properties of film-type electroluminescent capacitors. F.I.Vergunas and others. Opt.i spektr. 16 no.4:708-709 Ap '64.

CONDITIONED RESPONSE

Effect of a resolving dose of antigens on the higher nervous activity of dogs. E.A.Beliavskaia, M.K.Rakhimova. Nauch.trudy SamMI 21:155-161 '62.

Effect of hydrogen sulfide inhalations on the conditioned reflex activity and carbohydrase of the blood in children with rheumatic fever. T.P.Borisova, A.I.Gunina. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:255-259 My-Je '63.

Effect of small doses of chloralhydrate, veronal, barbamyl and their binary combinations on the intermittent and continuous extinction of conditioned reflexes. A.A.Nikulin. Nauch.trudy Riaz.med.inst. 16:93-100 '62.

Localization of functions in the animal brain in relation to the analysis of conditioned reflex activity. P.A. Kupalov. Zhur.nevr.i psikh. 64 no.1:18-26 '64.

Possibility of the production of specific antibodies by conditioned reflexes. V.F.Glukhov, IU.A.Liubimov. Trudy Stavr.sel'khoz.inst. no.11:92-96 '62.

Reflex action of food on the cardiovascular system after a total gastrectomy. G.F.Markova. Vop.pit. 21 no.6:10-16 N-D '62.

Role of the vagus nerves in neurohumoral regulation of gastric secretion in man [with summary in English]. E.V.Loskutova. Khirurgiia 39 no.6:39-46 Je '63.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.2: Conditioned reflex secretion following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. R.G.Singatulin. Sbor.nauch.rab.IAr.med.inst. no.20: 67-76 '59.

Some data on the neurogenic pathogenesis and treatment of eczema and neurodermatitis; clinicophysiological study. A.I.Brind. Vest.derm.i ven. 37 no.4:9-16 Ap '63.

CONDUCTOMETRIC ANALYSIS

Composition of thiourea complexes of silver formed during amperometric titration [with summary in English]. N.N.Kuz'mina, O.A.Songina. Zhur.anal.khim. 18 no.3:323-328 Mr '63.

Determining the free and bound alkalies in phenolate solutions by the conductometric method. G.V.Sipovskii, H.Timotheus. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:290-300 '62.

High-frequency titration. Report No.7: Carbonate compounds of thorium [with summary in English]. D.I. Riabchikov and others. Zhur.anal.khim. 18 no.3: 349-356 Mr '63.

High-frequency titration. Report No.10: Titration of acids in dioxane-aqueous media [with summary in English]. V.A.Zarinskii, I.A.Gur'ev. Zhur.anal. khim. 19 no.1:37-42 '64.

Miniature well conductometer. S.A.TSyba. Sbor.luch. rats.predl. pt.56-57 '63.

Redox potentials and electron- and ion-exchange properties of some polyarylene quinones. A.V.Ragimov, B.I.Liogon'kii, A.A.Berlin. Izv.AN SSSR.Ser.khim. no.4:593-600 Ap '64.

CONFECTIONERY

Antokol'skaia, M.IA., and others. [Manual on raw materials, intermediate products and finished products in confectionery manufacture; physicochemical characteristics] Spravochnik po syr'iu, polufabrikatam i gotovym izdeliiam konditerskogo proizvodstva; fiziko-khimicheskie kharakteristiki. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 229 p.

Characteristics of the use of sugar beet pectin in the production of confectionery goods. L.B.Sosnovskii, G.V.Buzina. Khleb.i kond.prom. 8 no.3:35-37 Mr '64.

Description of the mechanized continuous line for the production of halvah. O.M.Koshubliak. Khleb.i kond. prom. 8 no.4:27-28 Ap '64.

Mechanized continuous line for the production of chocolate masses with a proportioning station of the rotary type. N.M.Ruzanov. Khleb.i kond.prom. 8 no.4: 28-32 Ap '64.

Mechanized continuous production line for making cast "Iris" toffee. M.IA.Smolianitskii. Khleb.i kond.prom. 8 no.3:41-43 Mr '64.

Modernized detention time accelerator for dairy candies. N.M.Ruzanov. Khleb.i kond.prom. 8 no.3:37-39 Mr '64.

Processing of raw materials and intermediate products for confectionery goods in foreign countries. M.N. Serebriakov. Khleb.i kond.prom. 8 no.3:44 Mr '64.

Use of capital assets in the confectionery industry. P.K. Popov, V.A.Abeldulina. Khleb.i kond.prom. 8 no.4: 1-4 Ap '64.

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Complete mechanization of the chocolate shops. I.I. Loboda. Khleb.i kond.prom. 8 no.4:26 Ap '64.

Machine for rolling and cutting "Praline" candy. S.I. Kormakov. Khleb.i kond.prom. 8 no.3:40 Mr '64.

[Technological equipment for confectionaries; catalog and handbook] Tekhnologicheskoe oborudovanie predpriiatii konditerskoi promyshlennosti; katalog-spravochnik. Moskva, TSintiam.
- Pt.1. [Equipment for heating, dissolving, boiling and tempering of confectionary masses and other general purpose equipment] Oborudovanie dlia nagrevaniia, rastvoreniia, uvarivaniia i temperirovaniia konditerskikh mass i drugoe oborudovanie obshchego naznacheniia. 1963. 62 p.
- Pt.2. [Equipment for the production of hard candies] Oborudovanie dlia proizvodstva karameli. 1963. 63 p.

[MICROFILM]

CONFORMAL MAPPING

Numerical method of mapping a polygon on a circle [with summary in English]. P.D.Karpenko. Dop. AN URSR no.2:177-180 '64.

Some extremum problems in a class of mappings quasiconformal in the mean. P.A.Biluta. Dokl.AN SSSR 155 no.3:503-505 Mr '64.

Starlikeness of the level lines of arcs in univalent conformal mappings. V.I.Popov. Dokl.AN SSSR 155 no.4:757-760 Ap '64.

Theory of conformal mapping of a circular ring. G.K. Privalova, L.A.Saran. Dop.AN URSR no.3:303-308 '64.

Use of conformal mappings in calculating an isodynamic field [with summary in English]. Kh.S.Reshotka. Dop. AN URSR no.2:147-151 '64.

CONGLOMERATE see subdivision under Donets Basin; Pechenga District

CONGO (BRAZZAVILLE)—ECONOMIC CONDITIONS

On the agenda is trade-union unity. Mustapha Sarr. Vsem.prof.dvizh. no.11:25-27 N '63.

CONGO (BRAZZAVILLE)—POLITICS AND GOVERNMENT

On the agenda is trade-union unity. Mustapha Sarr. Vsem.prof.dvizh. no.11:25-27 N '63.

CONGO (LEOPOLDVILLE)—UNITED NATIONS—ARMED FORCES

Blue helmets in the Congo. V.Laptev. Nov.vrem. 21 no.19:20 My '64.

CONGRUENCES (GEOMETRY)

Theory of complexes in biaxial space. N.I.Kovantsov. Izv.vys.ucheb.zav.; mat. no.1:56-68 '64.

CONIC SECTIONS

Determining the dependence between the parameters of natural phenomena or a technical process according to their geometrical interpretation. P.A.Vlasenko. Trudy Turk.sel'khoz.inst. 11 no.2:15-35 '62.

CONJUGATION (CHEMISTRY)

Induced reactivity of certain compounds having a conjugate system when interacting with 1,1-diphenyl-2-picrylhydrazyl. A.A.Berlin, V.A.Vonsiatskii. Dokl. AN SSSR 154 no.3:627-630 Ja '64.

Polymers with a conjugation system. Part 37: Synthesis of polymers with charged heteroatoms in the molecular chain (onium polymerization) [with summary in English]. A.A.Berlin, L.V.Zherebtsova, E.F. Razvodovskii. Vysokom.soed. 6 no.1:58-63 Ja '64.

CONJUNCTIVITIS

Membranous conjunctivitis caused by adenoviruses type 3. G.S.Pashkevich, R.S.Dreizin. Vop.med.virus. no.5 pt.2:168-175 '58.

Morphological changes in the internal organs of guinea pigs in conjunctival infection by dysentery bacteria and Salmonella. S.E.Gleiberman, E.Bairamova. Zdrav. Turk. 7 no.12:17-22 D '63.

CONSERVATION OF NATURAL RESOURCES see subdivision under Baraba Steppe; Buryat A.S.S.R.; Kamchatka; Sakhalin; Siberia; Siberia, Western; Tomsk; Tomsk Province; Yakutia

CONSERVATION OF NATURAL RESOURCES—CONGRESSES

Problems of conservation in the R.S.F.S.R. at the First All-Russian Congress (1929). A.F.Fediushin. Okhr. prir.Sib.i Dal'.Vost. no.1:201-204 '62.

Work of the International Congress on Conservation. A.I. Kurentsov. Okhr.prir.Sib.i Dal'.Vost. no.1:241-243 '62.

CONSERVATION OF NATURAL RESOURCES—LAWS AND REGULATIONS see subdivision under Latvia

CONSERVATION OF NATURAL RESOURCES—STUDY AND TEACHING see subdivision under Tomsk

CONSERVATORIES OF MUSIC

(see also subdivision under Kiev; Leningrad; Moscow; Odessa)

Drive out dogmatism and scholasticism. O.Sosnovskaia. Sov.muz. 27 no.11:101-111 N '63.

To justify great trust. S.Balasanian. Sov.muz. 27 no.11:105-109 N '63.

CONSTELLATIONS

Regions of different age in I Orionis association. V.Shenaikh. Astron.tsir. no.252:2-3 Jl '63.

CONSTITUTIONAL LAW

Constitutional law of bourgeois countries. G.G.Ternovaia and others. Sov.gos.i pravo 34 no.4:142-147 Ap '64.

Zarubinskii, E.A. [Soviet government law; textbook for the course on Soviet law] Sovetskoe gosudarstvennoe pravo; uchebnoe posobie po kursu "Sovetskoe pravo." Moskva, Vses. zaochnyi finansovo-ekon. in-t, 1960. 53 p.
[MICROFILM]

CONSTRUCTION EQUIPMENT

At the stands of the pavilion "Building materials and structural elements." Stroi.mat. 10 no.1:39-40 Ja '64.

IAroshev, D.M. [Problems in overall mechanization and the power method] Problemy kompleksnoi mekhanizatsii i energeticheskii metod. Izd.2., perer. i dop. Moskva, Stroiizdat, 1964. 185 p.

CONSTRUCTION EQUIPMENT (Continued)

Improving the precision in the operation of assembling machinery. A.A.Prikhozhan and,others. Mekh.stroi. 21 no.4;p.2 of cover - 2 Ap '64.

International exhibition of construction and road equipment in Moscow. Mekh.stroi. 21 no.4;31 Ap '64.

Mechanized light equipment in the Main Administration for Housing and Public Construction in the City of Moscow. B.E.Pful'. Mekh.stroi. 21 no.4:3-7 Ap '64.

Metering current and tension in systems feeding the electric drives of construction machinery. M.S.Beltiskaia and others. Sbor.nauch.trud.LISI no.22:54-70 '55.

The UM-1 all-purpose machine. E.P.Kotliar, G.S. Tarnavskii, V.V.Shabel'. Mekh.stroi. 21 no.4;28-30 Ap '64.

Using construction equipment in the Main Administration for Housing and Public Construction in the City of Moscow. O.V.Sinev. Mekh.stroi. 21 no.4:17-19 Ap '64.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Construction equipment and road machinery] Ref.zhur: Stroi.i dor.mash. no.5 My '64.

CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

CONSTRUCTION EQUIPMENT—DESIGN AND CONSTRUCTION

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

Pt.1,Sec.A. ch.1. [Building materials, parts, elements, and equipment; general part] Stroitel'nye materialy, izdeliia, konstruktsii i oborudovanie; obshchaia chast' (SNiP I-A. 1-62). 1964. 15 p.

CONSTRUCTION EQUIPMENT—TRANSPORTATION

Improve the utilization of automotive rolling stock in the construction industry. Avt.transp. 42 no.4;6-7 Ap '64.

CONSTRUCTION INDUSTRY

(see also subdivision under Armenia; Moscow; Soviet Central Asia; Soviet Far East; Tajikistan; Ust'-Kamenogorsk)

Brief news. Transp.stroi. 13 no.11;77-79 N '63.

Determining the level of the mechanization of labor in the construction industry. V.V.TSyro, V.E.Komarov. Mekh.stroi. 21 no.4;22-24 Ap '64.

Development of standard materials according to the organization and mechanization of construction. N.M. Shestopal. Biul.stroi.tekh. 20 no.11:42-43 N '63.

Executing the plan for research work and introduction of the achievements of science and technology into construction and the building materials industry. A.T.Brukov. Biul.stroi.tekh. 20 no.11:39-40 N '63.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. Biul.stroi.tekh. 20 no.11: 36-37 N '63.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. Biul.stroi.tekh. 21 no.2: 33 F '64.

In the State Committee on Construction of the Union Republics. Biul.stroi.tekh. 20 no.11:37-38 N '63.

In the State Committee on Construction of the Union Republics. Biul.stroi.tekh. 21 no.2:33-34 F '64.

Intensification of construction production. V.Cherniavskii. Plan.khoz. 41 no.5;49-54 My '64.

Light of the October Revolution. Transp.stroi. 13 no.11;1-3 N '63.

Plan for overall mechanization of building and assembling work. Biul.stroi.tekh. 21 no.2:10-13 F '64.

Plan for research work and the introduction of the achievements of science and technology in construction and the building materials industry during 1964-1965. Biul.stroi.tekh. 21 no.2:2-5 F '64.

Plan for the revision of the present and the elaboration of new state standards and specifications for structural designs and the carrying out of construction work during 1964-1965. Biul.stroi.tekh. 21 no.2:6-10 F '64.

Plan of basic regulations on the economic basis of the construction and design features of industrial projects. Biul.stroi.tekh. 20 no.11:5-6 N '63.

Possibilities of reducing the time required for assembly work. I.V.Lykov. Mont.i spets.rab.v stroi. 26 no.4: 1-3 Ap '64.

Progressive structural elements. B.A.Kosytsyn. Biul. stroi.tekh. 20 no.11:40-42 N '63.

CONSTRUCTION INDUSTRY—ACCOUNTING

Improve the planning of capital construction and preparation of title records of construction projects. D.P. Basilov. Prom.stroi. 41 no.12:2-4 D '63.

Kaspe, M.I., and I.S.Ogauesov. [Analysis of the production and administrative operations of construction organizations] Analiz proizvodstvenno-khoziaistvennoi deiatel'nosti stroitel'nykh organizatsii. Moskva, Transzheldorizdat, 1960. 126 p.

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—CONGRESSES

Central Asian Conference of Mechanizers of the Construction Industry. Mekh.stroi. 21 no.5:29-30 My '64.

CONSTRUCTION INDUSTRY—COSTS

First results of an experimental check of the new indices of production volume and labor productivity. A.Rotshtein and others. Ekon.stroi. no.4:31-42 Ap '64.

Improve the quality of planning costs in construction. S.Timofeev. Ekon.stroi. no.4:68-70 Ap '64.

One of the economic criteria in construction. V.Repiakh. Stroi.i arkhit. 11 no.10:14 O '63.

Problems of estimated norms. Ekon.stroi. no.4:55-56 Ap '64.

CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Gladkii, V.I., M.I.Lobanov, and N.A.Stavchenko. [Power equipment, electrical equipment, and plumbing installations in construction; a manual] Energeticheskoe, elektrotekhnicheskoe i sanitarno-tekhnicheskoe oborudovanie v stroitel'stve; spravochnik. Kiev, Gos. izd-vo po stroit. i arkhit. USSR, 1964. 870 p.

CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Yermak, Virgin Territory)

Bank control in construction and repair. V.Dadaian and others. Den.i kred. 22 no.3:32-45 Mr '64.

In the Academic Council of the Institute for Research in Construction Economics. Ekon.stroi. no.4:67-68 Ap '64.

Letters to the editor. Ekon.stroi. no.4:71-73 Ap '64.

Planned accumulations in construction. V.Rotkov. Ekon. stroi. no.4:47-50 Ap '64.

CONSTRUCTION INDUSTRY—FINANCE—BIBLIOGRAPHY see Bibliography—Construction industry—Finance

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Calculating labor productivity in real terms. A.A. Karakozhian, I.A.Karpushin. Mont.i spets.rab.v stroi. 26 no.4:19-21 A '64.

CONSTRUCTION INDUSTRY—MANAGEMENT

(see also subdivision under Kazakhstan)

The economist should look ahead. Ekon.stroi. no.4: 3-7 Ap '64.

Follow-up of our materials. Ekon.stroi. no.3:71-73 Mr '64.

Improve the efficiency of economic work; at a creative meeting in Cherepovets. Ekon.stroi. no.4:23-31 Ap '64.

Improving economic work in construction; based on conference materials. Ekon.stroi. no.4:61-67 Ap '64.

Planning the technological development and organizational-administrative measures of a construction organization. Ekon.stroi. no.4:51-55 Ap '64.

Standard regulation on the deputy manager (chief) of economic problems and the chief economist of a construction (assembly) trust. Ekon.stroi. no.3:[illegible] Mr '64.

CONSTRUCTION INDUSTRY—MATHEMATICAL MODELS

Optimal programming in construction planning. I.Birman, V.Goldman. Ekon.stroi. no.3:55-60 Mr '64.

CONSTRUCTION INDUSTRY—PRICES

Improving price determination in construction and industries manufacturing building materials and structural elements. Vop.ekon. no.4:150-151 Ap '64.

CONSTRUCTION INDUSTRY—PRODUCTION METHODS

Determining the economic efficiency indices of a continuous-line construction. N.Timoshenko. Ekon. stroi. no.4:42-47 Ap '64.

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Problems of developing norms for planning labor productivity. M.Dubinskii. Ekon.stroi. no.4:50-55 Mr '64.

CONSTRUCTION INDUSTRY—QUALITY CONTROL

Material incentives for improving the quality of work in housing and civil engineering. N.Frenkina. Ekon. stroi. no.3:43-46 Mr '64.

Results of the all-Union public inspection of the quality of construction. I.Martirosov, Z.Danishevskii. Ekon. stroi. no.3:10-19 Mr '64.

CONSTRUCTION INDUSTRY—SAFETY MEASURES

Concerning A.B.Topolianskii's article "Problems of safety in electrical systems of the construction industry. M.S.Sandler, A.I.Chirkov, N.T.Sizov. Prom.energ. 19 no.4:59-60 Ap '64.

CONSTRUCTION INDUSTRY—STANDARDS

Apartment and public complexes, buildings and structures. Regulations for the construction work organization and the acceptance of completed work. Biul.stroi.tekh. 20 no.11:10-12 N '63.

CONSTRUCTION INDUSTRY—STATISTICS

Valuable aid for the students of construction economics. R.Belkina. Ekon.stroi. no.3:68-69 Mr '64.

CONSTRUCTION INDUSTRY—[illegible] TIONS see subdivision under [illegible]

CONSTRUCTION WORKERS

(see also subdivision under [illegible])

[illegible]

[illegible]

[illegible]

CONSTRUCTION WORKERS—[illegible]

[illegible]

CONSUMPTION (ECONOMICS)

[illegible]

[illegible]

CONTAINER INDUSTRY [illegible]

[illegible] 1964. [illegible] p.

CONTAINERS

(see also subdivision under [illegible])

[illegible]

[illegible]

CONTAINERS—ABSTRACTS

[Containers [illegible]]

CONTINUITY

[illegible]

CONTINUOUS CASTING

[illegible]

CONTINUOUS CASTING—PATENTS

Russia (1923- U.S.S.R.) [illegible] 1963. [illegible] 132 p.

[illegible]

CONTRACTING PARTIES TO THE GENERAL AGREEMENT ON TARIFFS AND TRADE

[illegible]

CONTRACTS

(see also subdivision under [illegible])

[illegible]

CONTRACTURE

[illegible]

[illegible]

[illegible]

CONTRAST MEDIA

On [illegible]

CONTROLLED FUSION

Konferentsiia po fizike plazmy i [illegible] [Plasma physics and problems of controlled thermonuclear synthesis; reports] Fizika plazmy i [illegible] upravliaemogo [illegible] Izd-vo Akad. nauk USSR, 1963. [illegible] p.

CONTROLLERSHIP

[illegible] in the Workers' and Peasants' [illegible] rabotali v rabkrine. [illegible] Izd-vo, 1963. 76 p. [illegible] OOP)

CONVERGENCE

[illegible]

[illegible]

[illegible]

CONVERTERS [illegible]
(see also [illegible] Metal [illegible])

[illegible]

[illegible]

CONVEYING MACHINERY

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [The [illegible] Mechanization and [illegible]] [illegible] Moskva, [illegible] 1963. [illegible] p. [illegible]

CONVEYING MACHINERY—EQUIPMENT AND SUPPLIES

[illegible]

CONVEYING MACHINERY—SAFETY MEASURES

[illegible], V. A. [Safety measures in [illegible]] [illegible] Moskva, [illegible] 1964. 213 p.

CONVULSIONS

Activity of [illegible] in convulsions produced by [illegible] (with summary in English). [illegible]

Effect of [illegible] [illegible]

COOKIES see subdivision under Alma-Ata

COOLING

Calculation of unsteady heat transfer in the active zone of a heterogeneous water-moderated water-cooled boiling reactor with natural coolant circulation. I.P. [illegible] Inzh.-fiz.zhur. 7 no.3:57-63 Mr '64.

[illegible] natural circulation in multistream systems of [illegible] Iu.P. Bagdasarov and others. Atom. energ. 16 no.5:410-411 My '64.

COOPERATIVE AGRICULTURE see Agriculture, Cooperative

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES
(see also subdivision under White Russia)

[illegible] relations between city and village during the large-scale building of communism. [illegible]

[illegible] the path to communism. Sov.torg. 37 no.5:[illegible] My '64.

COORDINATES

[illegible] V.A. [illegible] L.P. [illegible]

COORDINATION COMPOUNDS—SPECTRA

[illegible] D.M. [illegible] no.6:[illegible] '64.

COPEPODA
(see also subdivision under Ukraine)

[illegible]

COPERNICUS, NICOLAUS, 1473-1543

Kopernik, Nikolai. [Revolution of the celestial spheres, the Commentariolus, letter against Werner, Uppsala record. Translated from the Latin] O vrashcheniiakh nebesnykh sfer, Malyi kommentarii; poslanie protiv Vernera, Upsal'skaia zapis'. Perevod prof. I.N. Veselovskogo, stat'ia i obshchaia red. chlena-korrespondenta AN SSSR A.A. Mikhailova. [Moskva] Izd-vo "Nauka," 1964. 653 p. (Klassiki nauki)

COPPER

[illegible]

[illegible]

COPPER—ANALYSIS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

COPPER—CORROSION

[illegible]

COPPER—METALLURGY—BIBLIOGRAPHY see Bibliography—Copper—Metallurgy

COPPER ALLOYS—ANALYSIS

Using Arsenazo III indicator in determining zirconium content in nonstandard bronzes and alloys based on copper. L.G. Pimenova, L.A. Bondarenko. Mashinostroenie no.2:77-80 Mr-Ap '64.

COPPER CHLORIDES

Some applications of copper oxychloride and zineb. V.M. Kuligina, V.I. Aleksandrov, G.V. [illegible] Khim. v sel'. khoz. 2 no.3:20-23 Mr '64.

COPPER COMPOUNDS

Studies of oxidation-reduction systems. Part 2. T.P. Vorob'eva, V.V. Tkachenko, A.P. Purmal'. Zhur. fiz. khim. 38 no.11:2686-2696 N '63.

COPPER ELECTRODES see Electrodes, Copper

COPPER IN THE BODY

Copper and iron content in the organs and tissues of human fetuses in different periods of their intrauterine development. I.A. Abdullabekov, I.G. Pelev. Nauch.trudy SamMI 21:173-180 '62.

Copper content in the blood and urine of patients with psoriasis and lupus erythematosus. Z.Zh. [illegible], N.I. Tumasheva. Vest.derm.i ven. 37 no.4:37-39 Ap '63.

Copper content in the blood of a parturient woman and in the blood of the umbilical vein. Sh. [illegible] Nauch.trudy SamMI 21:195-197 '62.

Effect of thermal burns on the content of copper in brain tissue (with summary in English). V.N. Sorokin. Vop.med.khim. 8 no.6:606-611 N-D '62.

Quantitative determination of serum iron and copper by emission spectrum analysis. N.P. [illegible] Lab.delo no.5:265-266 '64.

COPPER INDUSTRY see subdivision under Glubokoye (Kazakhstan)

COPPER MINES AND MINING see subdivision under Armenia; Kadzharan (Armenia)

COPPER-NICKEL ALLOYS—THERMODYNAMICS

Study of the thermodynamic properties of binary metallic systems by the electromotive force method. Part 6 [with summary in English]. A.A. Vecher, IA.I. Gerasimov. Zhur.fiz.khim. 37 no.3:[illegible] Mr '63.

COPPER-NICKEL-BERYLLIUM ALLOYS see Nickel-copper-beryllium alloys

COPPER ORES
(see also subdivision under Ural Mountains)

Extraction of copper from [illegible] ores using a combined [illegible] P.M. Perlov, A.I. [illegible], T.M. Miagkova. Trudy Mekhanobr no.133:162-176 '62.

COPPER PLATING

"Aging" of electrolytic copper deposits [with summary in English]. Iu.M. Polukarov, V.A. Kuznetsova. Zhur.fiz.khim. 36 no.11:2562-2567 N '62.

COPYING PROCESSES

"EKA-2" dual electronic copying device. E.S. Zaitsev, and others. NTI no.12:47-50 '63.

CORDIERITE see subdivision under Ukraine

CORN (MAIZE)
(see also subdivision under Stavropol Territory; Ukraine)

Mechanized spraying of herbicides before sowing. V.N. [illegible], I.D. [illegible] Nauch.trudy [illegible] no.4:[illegible] '64.

Effect of [illegible] preparations on the development of corn. [illegible] Trudy Kras. NIISKh [illegible] '62.

Interrelations between corn and legumes in mixed sowings under different ecological conditions. [illegible] V.S. [illegible] Izv.TSKhA no.1:[illegible] '60.

Interrelations between corn and [illegible] plants grown together. M.D. [illegible], V.I. [illegible] [illegible] no.5:[illegible] '63.

Exchangeable acidity [illegible] in the [illegible] of corn [illegible] N.A. [illegible] no.4:[illegible]

Linear dimensions of corn kernels and their variability. E.D. Kazakov, V.I. [illegible], A.P. Kazakova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:11-15 '64.

Production of [illegible] from corn. N.A. [illegible] Trudy VNIIP [illegible] '63.

Studies on the biology and cultivation practices of corn. I.N. Filippova. Izv.TSKhA no.1:[illegible] '60.

CORN (MAIZE)—DISEASES AND PESTS
(see also subdivision under Krasnoyarsk Territory; Orel Province)

[Corn pests and diseases] Vrediteli i bolezni kukuruzy. 2. izd. [Moskva] Sel'khozizdat, 1963. 34 p. (MIRA)

CORN (MAIZE)—DRYING

Testing the ZSP-2-8 grain dryer in drying common corn. E. Zinger. Muk.-elev.prom. 29 no.10:14-15 O '63.

CORN (MAIZE)—FERTILIZERS AND MANURES
(see also subdivision under Krasnoyarsk Territory)

Characteristics of mineral nutrition of corn. N.E. Shuleikina. Izv.AN SSSR.Ser.biol. no.3:458-473 My-Je '64.

Conditions of the initial nutrition and the yield of corn. P.K. Kutsin, A.S. Danashkin, N.A. Cheredniehenko. Agrokhimiia no.3:[illegible] S-O '63.

Granulated fertilizers combined with insecticides for corn. E.V. Arutiunova. Zashch.rast.ot vred.i bol. 9 no.4:[illegible] '64.

Spot placement of fertilizers for corn. T.M. Andreeva. Trudy Kras. NIISKh 1:[illegible] '62.

Use of area by the corn root system. P.N. Pyl'neva, I.V. Mosolov. Dokl.AN SSSR 154 no.1:214-217 Ja '64.

CORN (MAIZE)—GRADING

Elements of the theory of sizing seed corn by means of shaped sifters. V.M.TSetsinovskii. Trudy VNIIZ no.45:177-188 '63.

Introduce the standard for determining the cracking tendencies in corn. L.Geinkom. Muk.-elev.prom. 29 no.10:27 O '63.

CORN (MAIZE)—HARVESTING

Make a highly efficient use of the OP-4B corn husker. A.L.Hryn', M.M.Vesna. Mekh.sil'.hosp. 13 no.10:14-15 O '62.

CORN (MAIZE)—STORAGE

Sorption of carbon dioxide by corn kernels. N.V.Trubitsyn. Izv.vys.ucheb.zav.; pishch.tekh. no.2:16-17 '64.

CORN BREEDING

Breeding with self-pollinated corn lines as universal regenerators of male fertility [with summaries in English, German, and French]. V.A.Gontarovskii. Vest.sel'khoz.nauki 8 no.12:83-86 D '63.

Main results of the work of the Corn Department [with summary in English]. F.F.Sidorov. Trudy po prikl.bot.,gen.i sel. 33 no.2:161-171 '63.

Morphological and physiological analysis in corn breeding. G.V.Fomin. Nauch.dokl.vys.shkoly; biol.nauki no.2:171-174 '64.

CORN OIL

Effect of corn oil ingested with food on the level of some blood lipids. A.A.Velichko. Vop.pit. 21 no.5:37-41 S-O '62.

Morozov, I.S. [Corn oil] Kukuruznoe maslo. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 93 p.

CORNSTARCH

Water balance in the production of raw corn starch. B.K.Bychkov. Sakh.prom. 37 no.12:54-60 D '63.

CORONARY HEART DISEASE

Dynamic investigation of some blood coagulation components in hypertension and atherosclerosis. R.Arykova. Zdrav.Kazakh. 23 no.4:32-36 '63.

Effect of diet and food tests (proteins, fats and carbohydrates) on cardiac activity in patients with coronary sclerosis in combination with hypertensive disease; based on vectocardiographic data. V.A.Trangeizer. Vop.pit. 21 no.5:9-13 S-O '62.

Effectiveness of treating atherosclerosis and chronic coronary insufficiency at the Kobuleti health resort. N.F.TSkhomelidze, R.P.Giorgobiani. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:87-92 '63.

CORONARY VESSELS

Methodology of graphic recording of the retrograde coronary blood flow. V.N.Griaznov, V.S.Kharin. Eksper.khir.i anest. 8 no.4:41-42 Jl-Ag '63.

CORONARY VESSELS—SURGERY

General distribution and plasticity of extracardial anastomoses of the coronary arteries in dogs [with summary in English]. M.H.Shevchuk, T.V.Koturbash. Dop.AN URSR no.2:266-269 '64.

CORPORATIONS see subdivision under France

CORRELATION (STATISTICS)

Nomogram for the evaluation of the success of forecasts by the coefficient of correlation. G.V.Gruza. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:127-130 '63.

Using the correlation method for studying the cost of electric equipment. V.Pokrovskii. Vest.stat. no.5:77-78 '64.

CORRESPONDENCE SCHOOLS AND COURSES

Some problems of the improvement of pharmaceutical education by correspondence. R.K.Aliev, A.M.Aliev. Apt.delo 11 no.5:51-55 S-O '62.

CORROSION AND ANTICORROSIVES

Corrosion of metals in processes of the hydrodesulfuration of petroleum products. L.D.Zakharochkin. Nefteper.i neftekhim. no.4:38-41 '64.

Corrosion of metals in the hydrogenation process of the desulfuration of petroleum products. L.L.Zakharochkin. Nefteper.i neftekhim. no.3:34-37 '64.

Developing and testing a film corrosion inhibitor. V.A.Sheremet'ev, V.P.Barannik. Neft.khoz. 42 no.1:42-47 Ja '64.

Effect of heat treatment on the corrosion resistance of the VTZ-1 titanium alloy. I.S.Anitov, B.D.Kukalenko. Izv.vys.ucheb.zav.; chern.met. 7 no.5:135-139 '64.

Improve the corrosion control of structural elements. Biul.stroi.tekh. 21 no.2:15-17 F '64.

Instructions on the anticorrosion protection of structural elements of industrial buildings for enterprises handling aggressive media. Biul.stroi.tekh. 21 no.2:14-15 F '64.

Investigation of certain corrosion-inhibitors as used in petroleum-production equipment. V.A.Sheremet'ev, V.P.Varannik. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:121-123 '63.

New principle of anticorrosive protection by inhibitors. I.L.Rozenfel'd, V.P.Persiantseva. Dokl.AN SSSR 156 no.1:162-165 My '64.

Preventing the corrosion of cooling jackets on marine internal combustion engines. A.A.Vysotskii and others. Inform.sbor.TSNIIMF no.87.Tekh.ekspl.mor.flota no.20:57-82 '62.

Results of an examination of the metal parts of a catalytic reforming apparatus. V.P.Teodorovich, N.N.Kolgatin, V.I.Deriabina. Mash.i neft.obor. no.3:15-20 '64.

Stationary potential and corrosion of metals in fused salts. M.V.Smirnov, V.P.Volodin, I.N.Ozeriannaia. Dokl.AN SSSR 155 no.2:418-421 Mr '64.

Studying the corrosion of metals and alloys by radioactive tracers. P.L.Gruzin and others. Met.i metalloved.chist.met. no.4:198-206 '63.

Temperature coefficient for the corrosion rate and the temperature of the maximum corrosivity of oils. V.S.Demchenko. Izv.vys.uch.zav.; neft' i gaz 5 no.9:100-104 '62.

Use of hydrazine in thermal electric power plants. A.Kh.Girenko, A.E.Foshko. Energ.i elektrotekh.prom no.1:51-53 Ja-Mr '64.

CORROSION AND ANTICORROSIVES—HANDBOOKS, MANUALS, ETC.

Diatlova, V.N. [Corrosion resistance of metals and alloys; a handbook] Korrozionnaia stoikost' metallov i splavov; spravochnik. Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 350 p.

CORTICOSTEROIDS see Steroids

CORTISOL

Effect of desoxycorticosterone acetate on the phagocytic activity of leucocytes in children with intestinal toxicosis [with summary in English]. E.I.Sukmanskaia. Pediatriia 42 no.9:82-85 S '63.

Experience in treating diseases of the temporomandibular joint with hydrocortisone. V.S.Ivanov. Trudy TSIU 64:168-171 '63.

Fluorometric determination of 11-hydroxycorticosteroids in human blood plasma [with summary in English]. IA.Popens, E.Siliņš, I.Vitols. Vop.med.khim. 8 no.6:628-634 N-D '62.

CORTISONE

Carbohydrate-phosphorus metabolism in the skeletal muscle of adrenalectomized animals during treatment with cortisone and vitamins C and P [with summary in English]. O.M.Ivaniuta. Ukr.biokhim.zhur. 35 no.1:30-34 '63.

Changes in the capacity of tissues of irradiated animals to destroy microbial toxins [with summary in English]. P.N.Kiselev, V.N.Sivertseva. Med.rad. 8 no.5:33-39 My '63.

Effect of cortisone on the concentration of phthivazide in the blood and tissues of the internal organs. A.M.Soskin. Antibiotiki 8 no.8:732-736 Ag '63.

Effect of cortisone on the metabolism of RNA and nucleotides in the liver during ontogenesis [with summary in English]. TS.M.Sheresheves'ka. Ukr.biokhim.zhur. 35 no.5:656-668 '63.

Effect of sodium salicylate used with cortisone and ACTH on the isolated heart of a frog. I.V.Susnina. Nauch.trudy Riaz.med.inst. 14:228-232 '63.

Electrophoretic protein formula of the blood in patients with rheumatoid polyarthritis in the process of treatment with cortisone. A.A.Nizov. Nauch.trudy Riaz.med.inst. 14:176-180 '63.

Treatment of penetrating eye injuries with cortisone. A.Z.Mogilevchik. Zdrav.Bel. 9 no.6:49-52 Je '63.

CORUNDUM

Formation of a nonporous structure in polycrystalline corundum. R.IA.Popil'skii, IU.F.Pankratov, N.M.Koifman. Dokl.AN SSSR 155 no.2:326-329 Mr '64.

Golub', B.I. [Synthetic corundum and its application in industry; review of foreign techniques] Sinteticheskii korund i ego primenenie v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, Gos. nauchno-issl. in-t nauchnoi i tekhn. informatsii, 1962. 29 p. [MICROFILM]

CORVALAN, LUIS, 1916-

Luis Corvalan. M.Fedorov. Mir.ekon.i mezhdunar.otn. no.4:138-139 '64.

CORYNEBACTERIUM

Action of different antibiotic combinations on diphtherial bacteria. V.I.Kiselev. Antibiotiki 8 no.8:744-746 Ag '63.

Comparative characteristics of the growth of Corynebacterium diphtheriae on coagulated serum and tellurite-cystine medium; author's abstract. M.A.Bessonova, A.F.Privalov. Zhur.mikrobiol.,epid.i immun. 40 no.4:54 Ap '63.

Determination of the toxigenicity of diphtheria bacteria in tissue culture. Z.I.Galunina. Lab.delo no.3:176-178 '64.

Indicator method for the detection of diphtheria bacilli. I.I.Panysheva, L.A.Stankevich. Lab.delo no.3:183 '64.

Medium from dried nutrient agar for determining the toxigenicity of diphtheria microbes. E.A.Krushinskaia, V.A.Bochkova, M.O.Birger. Lab.delo no.3:172-175 '64.

Nutrient medium for determining the toxigenicity of diphtheria microbes in experiments in vitro. N.A.Kravchenko, V.I.Shanina-Vagina, G.N.Berezkina. Lab.delo no.3:170-172 '64.

Results of verification of the indicator method for detection of diphtheria bacteria. M.P.Testerev. Lab.delo no.3:181-182 '64.

Tellurite test in carriers of diphtheria bacillus following tonsillectomy. N.V.Chernina. Lab.delo no.3:178-181 '64.

CORYNEBACTERIUM—CULTURES AND CULTURE MEDI

Effect of some amino acids on the growth of diphtheria bacteria. P.I.Buchin, L.V.Proskurina. Lab.delo no.3:175-176 '64.

Medium from dried nutrient agar for determining the toxigenicity of diphtheria microbes. E.A.Krushinskai V.A.Bochkova, M.O.Birger. Lab.delo no.3:172-175 '64.

Nutrient medium for determining the toxigenicity of diphtheria microbes in experiments in vitro. N.A.Kravchenko, V.I.Shanina-Vagina, G.N.Berezkina. Lab.delo no.3:170-172 '64.

COSMETICS

Organization of cosmetic aid. M.A.Kachkovskii. Vest.derm.i ven. 37 no.5:54-56 My '63.

Russia (1917- R.S.F.S.R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Exchange of practices among cosmetic and perfume factories, enterprises manufacturing synthetic aromatic substances, and ester oil industries] Obmen opytom raboty parfiumerno-kosmeticheskikh fabrik, predpriiatii sinteticheskikh dushistykh veshchestv i efiromaslichnoi promyshlennosti. Moskva, GOSINTI, 1960. 277 p.
(NcD)

COSMIC DUST

Brief review of the study of extraterrestrial dust. B.I.Vronskii. Meteoritika no.24:41-50 '64.

Condensation mechanism in the formation of cosmic dust. IU.P.Raizer. Meteoritika no.24:87-90 '64

COSMIC PHYSICS

Axisymmetrical problem of the steady rotation of cosmic gas masses in the general theory of relativity. IU.F.Chernov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:61-87 '63.

Neutrino luminosity of a star in gravitational collapse under the general theory of relativity. IA.B.Zel'dovich, M.A.Podurets. Dokl.AN SSSR 156 no.1:57-60 My '64.

COSMIC RAYS

Studies of the nuclear component of cosmic rays conducted on Soviet satellites and rockets. V.L.Ginzburg and others. Usp.fiz.nauk 82 no.4:585-647 Ap '64.

Study of the energy spectrum of penetrating particles in extensive air showers of cosmic rays. I.I.Sakvarelidze. Trudy Inst.fiz.AN Gruz.SSR 4:160-216 '56.

Tissue dose of cosmic radiation taken in by V.F.Bykovskii and V.V.Nikolaeva-Tereshkova during their joint orbital flight. I.A.Bochvar and others. Kosm.issl. 2 no.2:304-309 Mr-Ap '64.

COSMOGONY

Antimatter and the universe. N.Vlasov. Atom.energ. 16 no.5:466-468 My '64.

Diffuse matter and the origin of stars and stellar systems [with summary in English]. S.B.Pikel'ner. Vop.kosm. 9:60-69 '63.

Formation of stars and galaxies in the expanding universe [with summary in English]. IA.B.Zel'dovich. Vop.kosm. 9:240-253 '63.

COSMOLOGY

The modern physics and astronomy [with summary in English]. IA.B.Zel'dovich. Vop.kosm. 9:5-59 '63.

COSTS, INDUSTRIAL
(see also subdivision under Ukraine; United States)

Potentials for reducing the cost of production of carbon disulfide. E.S.Shapiro. Khim.volok. no.2:65-69 '64.

COSTUME see subdivision under Lvov Province

COTTON

Anaphylactogenic properties of cotton pollen. M.M.Khakberdyev. Nauch.trudy SamMI 21:131-136 '62.

Methods used in the germination of cotton pollen in artificial media. IU.V.Kliukvina. Agrobiologiia no.5:782 S-O '63.

Use of nylon filaments in the manufacture of blended cotton-nylon yarn. O.G.Kohan. Leh.prom. no.4:24-27 O-D '63.

COTTON—DISEASES AND PESTS see subdivision under Uzbekistan

COTTON—FERTILIZERS AND MANURES see subdivision under Soviet Central Asia

COTTON—IRRIGATION
(see also subdivision under Golodnaya Steppe; Uzbekistan)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrotekhniki i melioratsii. [Irrigation of cotton by sprinkling; according to the materials of the Field Session of the Academic Council of the All-Union Research Institute for Hydraulic Engineering and Melioration, July 15-17, 1959, on the "Pakhta-Aral" State Farm] Oroshenie khlopchatnika dozhdevaniem; po materialam Vyezdnoi sessii Uchenogo Soveta VNIIGIM, 15-17 iiulia 1959 goda v sovkhoze "Pakhta-Aral" (Golodnaia step'). Pod red. P.S.Rymaria. Moskva, 1960. 174 p.

COTTON—TESTING

Effect of the relation between the number of cotton fibers in groups and their transparency. L.A.Flekser, L.I. Danilova. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1: 16-18 '64.

COTTON—TRANSPORTATION

Economic efficiency of the transportation of cotton fibers in containers. S.M.Dzhumabaev. Trudy TASHIIT no.23:15-23 '62.

COTTON FINISHING

Using shale phenols as wetting agents in the mercerization of cotton fibers. P.S.Balashov, G.N.Garnovskaia, E.E.Feofilov. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:242-245 '62.

COTTON GINS AND GINNING

Some measures for the modernization of equipment in the cotton ginning industry. S.D.Baltabaev. Sbor. nauch.-tekh.inform. no.3:21-22 '60.

COTTON GROWING see subdivision under Armenia; Fergana; Golodnaya Steppe; Kara-Kalpak A.S.S.R.; Korki District; Khorezm Province; Turkmenistan

COTTON GROWING—BIBLIOGRAPHY see Bibliography—Cotton growing

COTTON MACHINERY

Karimov, A.A., and IU.I.Naumov. [New machines for overall mechanization of cotton growing] Novye mashiny dlia kompleksnoi mekhanizatsii khlopkovodstva. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1961. 71 p.
[MICROFILM]

Sevost'ianov, A.G., and A.V.Efimov. [Design, assembly, repair and ajustment of drawing and roving machines] Ustroistvo, montazh, remont i naladka lentochnykh i rovnichnykh mashin. Moskva, Izd-vo "Legkaia industriia," 1964. 317 p.

COTTON MACHINERY—STUDY AND TEACHING see subdivision under Tashkent

COTTON WASTE

Using the wastes of cotton processing industries for the fattening of young cattle. A.A.Kolesnikova. Trudy VNIIMP no.15:3-7 '63.

COTTON WILT

Antibiotics and cotton wilt; use biologically active substances in the fields. Sh.A.Safarov. Priroda 53 no.5:116 '64.

COTTONSEED

Pelleting as a new method of enriching seed with metabolites. N.B.Palesiko. Izv.AN Turk.SSR.Ser.biol. nauk no.6:52-56 '63.

COTTONSEED MEAL AS FEED see subdivision under Turkmenistan

COTTONSEED OIL

Synthesis and analysis of alkyd resins based on synthetic fatty acids and cotton soapstock acids. I.F.Zamosova, A.L.Markman. Masl.-zhir.prom. 30 no.3:9-14 Mr '64.

COUMARIN

Mass spectrometry of natural furanocoumarins. N.S. Vul'fson, V.I.Zaretskii, V.G.Zaikin. Dokl.AN SSSR 155 no.5:1104-1107 Ap '64.

Quantitative determination of active substances in the seeds of Ammi majus L. A.V.Ananichev, P.M.Loshkarev. Med.prom. 17 no.9:36-38 S '63.

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

COUNTING DEVICES

Decade counter with digital presentation. V.V.Evtushenko. Avtom.i prib. no.1:32-33 Ja-Mr '64.

Use of the pulse feeding method in counter dead time measurements. G.Grigorov, Zh.Papadopulov. Prib.i tekh.eksp. 9 no.2:168-169 Mr-Ap '64.

COUPLINGS

Calculating threaded joints. S.L.Mak. Nauch.zap.Od. politekh.inst. 48:35-38 '62.

COURTS
(see also subdivision under Leningrad; Uzbekistan)

Collegiate principle in the examination of court cases. V.A.Zaikov. Sov.gos.i pravo. no.12:108-109 D '63.

Dobrovol'skaia, T.N. [The Supreme Court of the U.S.S.R.] Verkhovnyi sud SSSR. Moskva, "IUridicheskaia literatura," 1964. 162 p.

First forty years of the highest organ of the Soviet judiciary. V.V.Kulikov. Sov.gos.i pravo 34 no.4:16-26 Ap '64.

First forty years of the Supreme Court of the U.S.S.R. Sov.iust. 28 no.8:4-5 Ap '64.

COWS
(see also subdivision under White Russia)

Ovariectomy in cows. P.A.Alekseev. Veterinariia 40 no.10:41-42 O '63.

COWS—FEEDING AND FEEDS

Effect of the silage type of feeding on the digestion and metabolism in lactating cows. N.A.IAtsko. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:88-94 '64.

Using carbamide, ammonium acetate, and anhydrous ammonia in feeding lactating cows. H.D.Shvedau. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:78-83 '64.

COYPU

Adaptation of the cardiovascular system of nutria to a semiaquatic way of life. V.P.Halantsev. Dop.AN URSR no.3:387-389 '64.

CRACKING PROCESS
(see also subdivision under Krasnodar Territory)

Catalytic cracking of heavy motor alkylate. G.A.Gamid-Zade. Nefteper.i neftekhim. no.11:11-13 '63.

Coking gas oils as a crude for catalytic cracking. P.K. Zmievskii, V.I.Dal'. Nefteper.i neftekhim. no.4:6-10 '64.

Economics of the production of aromatic hydrocarbons from eastern oils. V.V.Sredin. Nefteper.i neftekhim. no.4:25-30 '64.

Effect of certain factors on electrocracking in microdischarges. A.D.Kokurin, V.D.Obrezkov. Trudy VNIIT no.11:109-110 '62.

High-temperature catalytic cracking of heavy fractions of straight-run gasoline. R.M.Masagutov and others. Trudy BashNII NP no.6:14-18 '63.

Intensifying the operations of industrial furnaces. F.Sh. Saitgareev and others. Trudy BashNII NP no.6: 226-240 '63.

Light thermal cracking (viscosity breaking) of the heavy residues of sour crudes. K.V.Kostrin, IU.S.Sabadash. Trudy BashNII NP no.6:18-23 '63.

Studying the composition of gasolines derived from the catalytic cracking of high-paraffin kerosene gas oil. O.I.Svetozarova and others. Trudy GrozNII no.15: 344-350 '63.

Studying the mechanism of the electrocracking of liquid products. A.D.Kokurin, V.D.Obrezkov. Trudy VNIIT no.11:101-106 '62.

Tube stills with a fluidized bed of powder fuel. V.F. Gorlov, A.I.Skoblo. Nefteper.i neftekhim. no.11:42-46 '63.

CRANE FLIES—EXTERMINATION see subdivision under White Russia

CRANES, DERRICKS, ETC.

Efficient use of bridge cranes. G.M.Kliachin, G.M. Mironov, D.A.Rogovin. Mekh.i avtom.proizv. 18 no.4:49 Ap '64.

Erecting high-level apparatus with the aid of a swinging gantry. V.V.Sen'ko. Mont.i spets.rab.v strol. 26 no.4:10-11 Ap '64.

Erecting reinforced concrete beams for roofs by means of a bridge crane. L.I.Drugov. Mont.i spets.rab.v stroi. 26 no.4:23 Ap '64.

Kiev. Nauchno-issledovatel'skii institut organizatsii i mekhanizatsii stroitel'nogo proizvodstva. [Album on the technical maintenance of the K-51 automobile crane] Al'bom tekhnicheskogo obsluzhivaniia avtokrana K-51. Moskva, Stroiizdat, 1964. 119 p.

New equipment for the mechanization of storerooms. V.I.Pushkin, B.I.Pevzner. Mekh.i avtom.proizv. 18 no.5:43-45 My '64.

New methods for the design and investigation of cranes. N.I.Erofeev. Mekh.i avtom.proizv. 18 no.4:56-57 Ap '64.

Plan for selecting an efficient unit of machines for the erection of an industrial building. S.A.Pichugin. Izv. vys.ucheb.zav.; stroi.i arkhit. 6 no.8:52-55 '63.

Some problems in the design, assembly, and operation of steel crane girders under heavy operating conditions. I.E.Spengler. Prom.stroi. 41 no.12:37-39 D '63.

Using mathematical models for the analysis of knocking in mechanisms of excavators and cranes taking into account elasticity and free play. S.A.Kazak, V.M. Kirpichnikov, O.A.Levishko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:162-173 '64.

CRANES, DERRICKS, ETC.—EQUIPMENT AND SUPPLIES

Crane conditioner. P.S.Khlavich. Stal' 23 no.3:287 Mr '64.

CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Improve the organization of the repair of loading and unloading machines. A.Kulaiaev. Mor.flot 23 no.12: 18 D '63.

CRANKS AND CRANKSHAFTS

Fatigue testing machine for crankshafts. E.I.Zhuk. Zav.lab. 30 no.5:608-609 '64.

Gorshkov, A.A., and M.V. Voloshchenko. [Cast crankshafts] Litye kolenchatye valy. Moskva, Izd-vo "Mashinostroenie," 1964. 194 p.

Increasing fatigue resistance of the crankshafts of mine hoists. M.I.Demidova, V.V.Belov, B.S.TSfas. Sbor. dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz.Kuib. sel'khoz.inst. no.1:134-139 '62.

CRAWLER TRACTORS—TECHNOLOGICAL INNOVATIONS

Improving the T-74 tractor. G.Ogii. Tekh.v sel'khoz. 23 no.12:41-43 D '63.

CRAWLER VEHICLES—PATENTS

Pneumatic caterpillars in the foreign patent literature. V.G.Rudel'son. Kauch.i rez. 23 no.3:41-44 Mr '64.

CREASE-RESISTANT FABRICS

Use of epoxy compounds for the crease-resistant finishing of fibers. O.S.Lilenkov, T.P.Makarova. Khim.volok. no.2:52-55 '64.

CREATINE

Study of enzyme systems phosphorylizing creatine in the muscles (with summary in English). V.A.Rogozkin. Ukr.biokhim.zhur. 35 no.1:35-42 '63.

CREDIT
(see also subdivision under Cheremkhovo, Irkutsk Province; Czechoslovakia; Hungary; Kirov Province)

Credit functions. M.Pessel'. Den.i kred. 22 no.4: 36-42 Ap '64.

Current problems. M.Zotov. Den.i kred. 22 no.4:10-15 Ap '64.

CREEDITE

Crystal structure of creedite $Ca_3Al_2(F,OH)_{10}SO_4\cdot 2H_2O$. S.V.Borisov and others. Dokl.AN SSSR 155 no.5:1082-1084 Ap '64.

CREEP OF CONCRETE

Resistance of rods taking into account the rheological properties of concrete. A.A.Liubimov. Sbor.nauch. trud.KGRI 18:53-74 '62.

CREEP OF MATERIALS

Calculating stability and creep of frozen ground barriers. S.S.Vialov, V.A.Obrucheva. Shakht.stroi. 7 no.12:6-9 D '63.

CREEP OF METALS

Kinetics of the approach to stopping creep. V.A. Franiuk. Dokl.AN BSSR 8 no.1:33-35 Ja '64.

CRETE—HISTORY

Kazamanova, L.N. [Essays on the social and economic history of Crete in the fifth to fourth centuries B.C.] Ocherki sotsial'no-ekonomicheskoi istorii Krita V—IV vv. do N.E. [Moskva] Izd-vo Mosk. univ. 1964. 188 p.

CRIME AND CRIMINALS

Certain methodology problems in criminal law and criminal investigations. I.I.Karpets. Sov.gos.i pravo 34 no.4:91-101 Ap '64.

The doll (to be concluded). IA.Zlatsovskii. Sots.zakon. 40 no.12:58-62 D '63.

Let us improve the laws which protect the health of Soviet citizens. A.Filippov. Sots.zakon. 40 no.12: 19-24 D '63.

Public prosecutor has presented the evidence. V.Arkhipov. Sots.zakon. 40 no.12:68-70 D '63.

Struggle against eyewash and the defraudation of the Soviet state. IU.IUrburgskii. Sots.zakon. 40 no.12: 30-33 D '63.

Studying the data on the personality of the accused and evaluating them in the court session. M.Korshik. Sots.zakon. 40 no.12:54-57 D '63.

CRIMEA—CENTAUREA

Controlling the Acroptilon picris. IU.V.Vydrin, F.V. Trusova. Zemledelie 26 no.4:34-40 Ap '64.

CRIMEA—COINS, ANCIENT

Coining in Chersonesus Taurica from the first to the third century A.D. V.A.Anokhin. Num.i epig. 4:3-89 '63.

A find of coins in the foothills of the Ayu-Dag Mountain. K.V.Golenko. Num.i epig. 4:110-117 '63.

CRIMEA—COINS, SINDHI

Spurious Sindhi coins. L.N.Kazamanova. Num.i epig. 4:130-135 '63.

CRIMEA—FARMHOUSES

Apartment houses made of large wall blocks. L.Starchykov, IE.Osadchuk. Sil'.bud. 13 no.1:8-9 Ja '63.

CRIMEA—FRUIT—FERTILIZERS AND MANURES

Prepare organic fertilizers properly. A. A. Serbin. Zemledelie 26 no.1:37-41 Ja '64.

CRIMEA—HISTORY

IAkobson, A. L. [Medieval Crimea; an outline of its history and the history of its material culture] Srednevekovyi Krym; ocherki istorii i istorii material'noi kul'tury. Moskva, Izd-vo "Nauka," 1964. 230 p. illus.

CRIMEA—POTATOES

Seasonal changes in the content of ascorbic acid in potatoes of Crimean Province. I. N. Kal'sada, I. S. Severinov. Vop.pit. 21 no.6:78-79 N-D '62.

CRIMEA—POULTRY INDUSTRY

Potentials for creating the abundance of cheap eggs and poultry meat. A.Tipko. Ekon.Rad.Ukr. no.2:66-70 Mr-Ap '64.

CRIMEA—ROAD CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Seminar for Crimean mechanics. B. V. Sheliubskii. Avt.dor. 27 no.3:31, 3 of cover Mr '64.

CRIMEA—SEASIDE RESORTS—HANDBOOKS, MANUALS, ETC.

Boksha, V. G., and IA. M. Bershitskii. [Sea, sun and air are waiting for you... (health resort visitor's booklet on climatic therapy during a warm period of the year)] Vas zhdut more, solntse, vozdukh... (Pamiatka kurortnika o klimaticheskom lechenii v teplyi period goda). Simferopol', Krymizdat, 1963. 20 p.
(DNLM)

CRIMEA—SEISMOLOGY

Lower Cretaceous paleoseismic phenomena in the Crimea. L. P. Gorbach, T. I. Dobrovol'skaia. Dokl. AN SSSR 154 no.3:590-591 Ja '64.

CRIMEA—TROLLEYBUSES

Interurban trolleybus transportation in the Crimea. M.I. Aksenov, A.I.IAkovlev. Nov.tekh.zhil.-kom.khoz.;Gor.dor.-most.khoz.i transp. no.2:100-116 '63.

CRIMEA—WEED CONTROL

Controlling the Acroptilon picris. IU.V.Vydrin, F.V. Trusova. Zemledelie 26 no.4:34-40 Ap '64.

CRIMEA—WORLD WAR, 1939-1945

On crossings over the Sivash. B. Badanin. Voen.-ist. zhur. 6 no.4:32-38 Ap '64.

CRIMEAN MOUNTAINS—BRACHIOPODA, FOSSIL

Stratigraphic and facies distribution of Jurassic brachiopods in the eastern part of the Crimean Mountains. L.I.Babanova. Dokl.AN SSSR 150 no.3:547-549 '64.

CRIMEAN MOUNTAINS—ROCKS, IGNEOUS—ANALYSIS

Chemistry of minor intrusions in the northwestern part of the Crimean Mountains [with summary in English]. R. N. Kochurova. Vest. LGU 19 no.6:139-144 '64.

CRIMEAN PRESERVE

Utilize rationally the natural wealth of mountain forests in the Crimea. P. M. Prokopenko, A. P. Dotsenko. Les. khoz. 17 no.4:25-28 Ap '64.

CRIMINAL INTENT

To what extent does knowledge indicate guilt [with summary in English]. A. S. Gorelik. Vest. LGU 19 no.5:130-132 '64.

CRIMINAL INVESTIGATION

Arotsker, L. E. [Utilization of criminalistic facts in court trial] Ispol'zovanie dannykh kriminalistiki v sudebnom razbiratel'stve ugolovnykh del. Moskva, IUridicheskaia literatura, 1964. 223 p.

CRIMINAL JUSTICE, ADMINISTRATION OF see subdivision under Kalinin Province; United States

CRIMINAL LAW
(see also subdivision under Kazakhstan)

Certain methodology problems in criminal law and criminal investigations. I. I. Karpets. Sov.gos.i pravo 34 no.4:91-101 Ap '64.

Distinguishing speculation from other offenses. G.Vol'fman. Sov.iust. 28 no.9:20-22 My '64.

Russia (1917- R. S. F. S. R.) Laws, statutes, etc. [Criminal Code of the R. S. F. S. R.; official text amended as of December 1, 1963, with added materials systematically arranged by sections of the Code] Ugolovnyi kodeks RSFSR; ofitsial'nyi tekst s izmeneniiami na 1 dekabria 1963 g. i s prilozheniem postateino-sistematizirovannykh materialov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 261 p.

Theoretical foundations for the legislation on Soviet correctional labor. L. I. Smirnov, S. G. Novikov. Sov. gos.i pravo 34 no.4:66-79 Ap '64.

CRIMINAL LIABILITY

Duboyets, P. A. [Liability for bodily injuries under Soviet criminal law] Otvetstvennost' za telesnye povrezhdeniia po sovetskomu ugolovnomu pravu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 167 p.

CRIMINAL PROCEDURE

Parties to appellate proceedings and its rules under the Criminal Procedure Code of the R.S.F.S.R. O.Gavrilov. Sov.iust. 28 no.9:12-13 My '64.

Provisions of criminal procedure concerning court decisions and appeals against them and the safeguards of rights of persons under prosecution. M. Vydria. Sov.iust. 28 no.8:10-12 Ap '64.

Public prosecutor has presented the evidence. V. Arkhipov. Sots.zakon. 40 no.12:68-70 D '63.

Some ways to improve Soviet criminal procedure. N. P. Kun. Sov.gos.i pravo no.12:104-109 D '63.

CRINOIDEA, FOSSIL see subdivision under Baltic Sea region; Kuznetsk Basin

CRISTOBALITE

Effect of dislocations on the temperature characteristics of the polymorphic transformation of cristobalite. B.IA.Sukharevskii, S.V.Lysak. Dokl.AN SSSR 154 no.3:615-618 Mr '64.

Special features of the polymorphic transformations of cristobalite. B.IA.Sukharevskii, A.M.Gavrish. Dokl.AN SSSR 155 no.2:439-441 Mr '64.

CRITICAL POINT

Concerning the determination of the critical region and critical temperature. K. V. Arkhangel'skii, V. K. Semenchenko. Zhur.fiz.khim. 36 no.11:2564-2566 N '62.

Determining the critical density of substances from data for the single-phase region. V.I.Kudashov. Inzh.-fiz. zhur. 7 no.3:73-77 Mr '64.

CROP YIELDS

Effect of organic-mineral fertilizers on the yield of farm crops and properties of soils as related to their methodical use in crop rotation. F.I.Metel'skii. Agrokhimiia no.6:725-733 S-O '63.

Review of the book "Soils, fertilizers, and crop yields." G.Golovin. Zemledelie 26 no.1:92-96 Ja '64.

CROPS AND CLIMATE see subdivision under Soviet Central Asia

CROTONALDEHYDE

Oscillographic determination of acetaldehydes and crotonaldehydes present together [with summary in English]. G.V.Tsareva, V.P.Gladyshev. Zhur.anal.khim. 19 no.1:136-139 '64.

Titrometric methods for determining diketene and crotonaldehyde present together [with summary in English]. N.G.Poltavskii. Zhur.anal.khim. 19 no.1:121-124 '64.

CRUCIFERAE see Brassicaceae

CRYOSCOPY

Effect of the heat conduction of thermocouple leads on the accuracy of the cryoscopic analysis of small weighed portions [with summary in English]. N.I.Liashkevich. Zhur.fiz.khim. 37 no.3:702-704 Mr '63.

CRYOSTAT

Cryostat to the SF-4 spectrophotometer for investigating liquids at low temperatures. L.S.Pomkov, N.N.Vlasov, G.I.Frolov. Zav.lab. 30 no.5:614 '64.

CRYSTAL LATTICES

Calculating the lattice energies of molecular crystals; surface cross sections of lattice energies. A.I. Kitaigorodskii, K.V.Mirskaia. Kristallografiia 9 no.2:174-181 Mr-Ap '64.

Entropy and isobaric potential of the lattice of compounds with multiatomic anions. V. P. Vasil'ev, V. N. Vasil'eva. Zhur.fiz.khim. 36 no.11:2517-2520 N '62.

Investigating the role of small admixtures of silver in palladium. E.G.Okonnikov. Met.i metalloved.chist.met. no.4:100-105 '63.

Precession camera for photographing the reciprocal lattice. L.A.Feigin, A.V.Mirenskii, G.D.Shnyrev. Prib.i tekh.eksp. 9 no.2:156-160 Mr-Ap '64.

Theory of the magnetic order. T.Kaplan. Izv.AN SSSR. Ser.fiz. 28 no.3:412-417 Mr '64.

CRYSTAL VIOLET

Extraction of fluotantalates with basic dyes. Report No.1: Extraction of microgram amounts of tantalum as crystal violet fluotantalate [with summary in English]. I.P.Alimarin, S.V.Makarova. Zhur.anal.khim. 19 no.1:90-93 '64.

CRYSTALLINE AND METAMORPHIC ROCKS see Rocks, Crystalline and metamorphic

CRYSTALLINE LENS

Mechanism of the accelerated development of radiation cataracts caused by puncturing the irradiated crystalline lens. V. V. Popov and others. Dokl. AN SSSR 155 no.4:940-943 Ap '64.

CRYSTALLIZATION

Calculating the technological indices of sugar crystallization in vacuum apparatus. I.S.Skripko. Izv.vys.ucheb.zav.; pishch.tekh. no.2:130-133 '64.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Study of the [illegible]

[illegible]

CRYSTALLOGRAPHY

Crystal structure of [illegible]

Crystal structure of the [illegible] [illegible]

Crystalline structure of the [illegible]

Drawings showing [illegible]

Effect of deformation on the [illegible]

Generalized approximate theory of [illegible] Ap '64.

Internal structure of pyrite grains of [illegible]

Magnetocrystalline anisotropy of the [illegible] Izv.AN SSSR.Ser.fiz. [illegible]

New determination of the [illegible]

Possible superstructures in [illegible] Ap '64.

Spatial symmetry of electric and magnetic dipole structures. [illegible] Izv.AN SSSR.Ser.fiz. [illegible] Ap '64.

CRYSTALLOGRAPHY (Continued)

[illegible] A. I. Pallatnik, A. M. [illegible] Kristallografiia 9 no. 2 155-161 Mr-Ap '64.

CRYSTALLOGRAPHY, MATHEMATICAL—TABLES, ETC.

Fedeev, N. V., and N. D. Sokolova. [Tables for calculations involving the topokinetic equation α = 1 — exp (—ktⁿ)] Tablitsy dlia raschetov po topokineticheskomu uravneniiu α = 1 — exp (—ktⁿ). Minsk, Izd-vo Akad. nauk BSSR, 1963. 131 p.

CRYSTALS

[illegible] Kristallografiia [illegible]

Heat capacity of glass-forming crystals at low temperatures. [illegible] Zhur. fiz. khim. 38 no. 11 [illegible]

CRYSTALS—DEFECTS

[illegible]

[illegible] crystals. [illegible] Kristallografiia [illegible]

[illegible]

[illegible] Kristallografiia [illegible]

CRYSTALS—GROWTH

[illegible]

[illegible]

[illegible] Kristallografiia [illegible]

CRYSTALS—MODELS

[illegible]

CRYSTALS—SPECTRA

[illegible]

[illegible]

CUBA—COMMERCE—RUSSIA

[illegible]

CUBA—FOREIGN RELATIONS—RUSSIA

[illegible]

CUBA—FOREIGN RELATIONS—UNITED STATES—HISTORY

[illegible]

CUCUMBERS

[illegible]

[illegible]

CUCUMBERS—DISEASES AND PESTS see subdivision under White Flies

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS

[illegible]

CUMENE

Obtaining a high-molecular weight polymer by the reaction of polyisopropylbenzene with tert-butyl peroxide [with summary in English]. V. V. Korshak, S. L. Sosin, [illegible]

CUPRIZON

Determination of copper in water and soils with [illegible]

[illegible]

CURARE

[illegible]

CURIE POINT

Automatic device for the determination of the Curie point. I. M. Viting. Zav. lab. 30 no. 3 [illegible] '64.

Some factors affecting the Curie temperature of ferroelectrics with the structure of potassium tungsten bronze. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. [illegible] Ap '64.

CURIUM ISOTOPES

Specific ionization along the tracks of U²³⁵ and Cm²⁴⁴ fission fragments. [illegible] Atom. energ. 16 no. 5 [illegible] My '64.

CURRANTS—DISEASES AND PESTS

Plant lice of the genus Aphis L. found on currants and gooseberries. [illegible] Trudy Biol. inst. Sib. otd. AN SSSR [illegible]

CURRENCY QUESTION see subdivision under United States

CURVATURE

[illegible] Sib. mat. zhur. [illegible] My-Je '64.

CURVES

[illegible]

[illegible] AN SSSR [illegible] '64.

CUTTING MACHINES

[illegible]

CUTWORMS—EXTERMINATION see subdivision under Uzbekistan

CYANOGUINONE

[illegible] '64.

CYANOCOBALAMINE

[illegible] in English. [illegible]

Effectiveness of using vitamin B_{12} with the complex of [illegible]

[illegible] B_{12} [illegible]

[illegible] '63.

[illegible] '63.

Use of the [illegible] vitamin B_{12}. [illegible] '63.

[illegible] vitamins B_{12} and B_{12} [illegible] '63.

Vitamin B_{12} [illegible] '63.

CYANOGEN—SPECTRA

Determining the matrix element of the dipole moment of the electron transition in the violet system of cyanogen bands. Part 2. [illegible] Teplofiz. vys. temp. 1 no. 2: [illegible] '63.

CYANOGEN CHLORIDE

Telomerization of vinyl acetate by chlorocyanogen. [illegible] Dokl. AN SSSR [illegible] '64.

CYBERNETICS
(see also subdivision under United States)

Cybernetic method of determining the severity of the condition and prognosis in [illegible] '64.

Erevan. Vychislitel'nyi tsentr. [Mathematical problems of cybernetics and computer technology] Matematicheskie voprosy kibernetiki i vychislitel'noi tekhniki. Erevan, 1963. 85 p.
(Cont'd)

The Leninist theory of reflection and cybernetics. [illegible] '64.

Possible methods of the application of cybernetic principles in psychiatry. [illegible] '64.

Present conditions of techniques in the selection of [illegible] '64.

Simulation of processes in neuron networks. [illegible] Avtomatyka 9 no. 2 [illegible] '64.

This problem should be studied by a group of scientists. [illegible] '64.

CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref. zhur.: Kib. no. 6 My '64.

CYCLIC COMPOUNDS

Synthesis of metal complex compounds of asymmetrical [illegible] macrocycles. [illegible] Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1 [illegible] '64.

CYCLIC COMPOUNDS—SPECTRA

Vibrational spectra and aromaticity of [illegible] azacycles. V. I. Berezin. Dokl. AN SSSR 155 no. 3 [illegible] Mr '64.

CYCLOBUTANE

Silicocyclobutanes. Strength of the Si—C bond in the silicocyclobutane ring and the synthesis of new silicocyclobutane derivatives. [illegible] Dokl. AN SSSR 155 no. [illegible] Ap '64.

CYCLOHEXADIENE

[illegible] Dokl. AN SSSR [illegible] Mr '64.

CYCLOHEXANE

[illegible]

[illegible] Dokl. AN SSSR 155 [illegible] Mr '64.

[illegible]

Viscosity of [illegible] cyclopentane, cyclohexane, and their saturated vapors. [illegible] Zhur. fiz. khim. 36 no. 11 [illegible] N '62.

CYCLOHEXANEACETIC ACID

[illegible] '62.

CYCLOHEXANOL

[illegible]

CYCLOHEXANONE

[illegible]

[illegible]

CYCLOHEXANONE—TOXICOLOGY

[illegible]

CYCLOHEXENE

[illegible] [with summary in English]. [illegible] '64.

Homogeneous catalytic hydrogenation. Part 2. [illegible] Zhur. fiz. khim. [illegible] '64.

CYCLOHEXYLAMINE

Oxidation of cyclohexylamine by hydrogen peroxide in [illegible] '64.

CYCLONES
(see also subdivision under Soviet Central Asia)

[illegible] [Upper tropospheric formations and solar activity] Vysotnye barichestie obrazovaniia i solnechnaia aktivnost'. Leningrad, Gidrometeoizdat, 1964. 129 p.

[illegible] formation [illegible] '63.

Studying the short-period oscillations of the anomalies of cyclonic and anticyclonic activity. [illegible] Meteor. i gidrol. no. 3: [illegible] '64.

CYCLOPENTADIENE

Certain regularities of the reaction by which hexachlorocyclopentadiene is obtained from polychlorocyclopentanes. L. M. Kogan, [illegible] Zhur. prikl. khim. 37 no. 4 [illegible] Ap '64.

CYCLOPENTANE

Certain regularities of the reaction by which hexachlorocyclopentadiene is obtained from polychlorocyclopentanes. L. M. Kogan, [illegible] Zhur. prikl. khim. 37 no. 4 [illegible] Ap '64.

CYCLOPENTANE (Continued)

Viscosity of isooctane, cyclopentane, cyclohexane, and their saturated vapors. Kh.M. Khalilov. Zhur.fiz. khim. 36 no.11:2474-2477 N '62.

CYCLOPROPANEDICARBOXYLIC ACID

Synthesis of optically active polymers based on p-xylylenediamine and cyclopropanedicarboxylic acid [with summary in English]. I.N.Topchieva and others. Vysokom.soed. 6 no.3:512-515 Mr '64.

CYCLOPROPENYL GROUP

π-Complex of palladium with triphenylcyclopropenyl. I.I.Moiseev, M.N.Vargaftik, IA.K.Syrkin. Izv.AN SSSR.Ser.khim. no.4:775-776 Ap '64.

CYCLOTRON

Calculation of phase relations in a cyclotron. G.N. Vialov. Atom.energ. 16 no.5:442-444 My '64.

External injection in an electron cyclic accelerator. V.V.Ekivin. Prib.i tekh.eksp. 9 no.2:17-18 Mr-Ap '64.

CYCLOTRON RESONANCE

Nonlinear theory of electron cyclotron resonance. A.N. Kondratenko. Atom.energ. 16 no.5:399-402 My '64.

CYLINDERS

Added inertia moment of a fluid in a cylinder having partitions and rotating around the longitudinal axis. L.V.Dokuchaev. Izv.AN SSSR.Mekh.i mashinostr. no.2:165-171 Mr-Ap '64.

Dynamics of a rigid plastic cylindrical shell of finite length. P.A.Kuzin. Izv.AN SSSR.Mekh.i mashinostr. no.2:105-115 Mr-Ap '64.

A nonsteady-state problem in the theory of thermal conductivity for a solid cylinder. S.M.Kotliar. Izv.vys. ucheb.zav.; energ. 7 no.4:72-74 Ap '64.

Some problems of the deformation of a sector of a finite shallow cylinder. N.B.Remorov, I.I.Smolovik. Izv. AN SSSR.Mekh.i mashinostr. no.2:147-149 Mr-Ap '64.

CYLINDERS—THERMAL PROPERTIES

Nonstationary problem in the theory of heat conductivity of a shallow cylinder. S.M.Kotliar. Izv.vys.ucheb. zav.;av.tekh. 7 no.1:122-126 '64.

CYLINDERS—VIBRATION

Vibrations of an elliptical cylinder in a viscous noncompressible fluid. D.N.Gorelov. Izv.AN SSSR. Mekh.i mashinostr. no.2:171-174 Mr-Ap '64.

CYMENE

Initiating the oxidation of cymenes in the liquid phase. V.P.Konoplev, A.Z.Dorogochinskii, M.G.Mitrofanov. Trudy GrozNII no.15:274-277 '63.

Obtaining dimethyl styrene by the dehydrogenation of cymene. B.L.Kozik, S.V.Pestrikov, L.I.Germash. Trudy BashNII NP no.6:198-204 '63.

CYPRUS—POLITICS AND GOVERNMENT

West German militarists against the Cypriots. N.Mil'grom. Az.i Afr.seg. 7 no.5:55-56 My '64.

CYSTEINE

Effect of cysteine and ascorbic acid on the content of sulfhydryl groups in proteins and on the excretion of zinc in chronic poisoning with zinc compounds. A.E. Klimentovskaia. Nauch.trudy Riaz.med.inst. 15:29-35 '62.

Effect of cysteine and ascorbic acid on the course of chronic zinc intoxication. A.E.Klimentovskaia. Nauch. trudy Riaz.med.inst. 15:26-29 '62.

Reduction of the toxic effect of streptomycin on the neuromuscular preparation of a cold-blooded animal. T.A.Speranskaia. Dokl.AN SSSR 155 no.3:719-720 Mr '64.

Role of ascorbic acid and cysteine in disintoxication of the organism poisoned with cadmium chloride. I.V. Shcherbakova. Nauch.trudy Riaz.med.inst. 15: 190-195 '62.

CYSTS

Case of a large suppurating pseudocyst of the spleen. P.Deenichin. Khirurgiia 39 no.6:124-126 Je '63.

Criteria of operability in surgery of mediastinal tumors and cysts. V.P.Demidov. Khirurgiia no.1:63-67 '63.

Cyst of the maxillary sinus simulating an osteoma. T.A. Vainshtein, I.IU.Bratslavskii. Zhur.ush.,nos.i gorl. bol. 23 no.6:72-73 N-D '63.

Cystic formations of the mesenteries in children [with summary in English]. D.E.Abkin. Vest.khir. 90 no.5:113-118 My '63.

Large pancreatic cyst in a child. A.E.Kiselev. Vest. khir. 90 no.5:119 My '63.

Spontaneous rupture of a cystic kidney with degenerative changes. A.P.Lebedev. Kaz.med.zhur. no.6:55-57 N-D '62.

Treatment of radicular cysts with iodine preparations. A.M.Pomerantseva. Trudy TSIU 64:17-20 '63.

CYTOCHROME OXIDASE

Effect of microelements on the activity of cytochrome oxidase of plants. D.A.Aliev. Dokl.AN SSSR 155 no.1:207-208 My '64.

CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

CYTOLOGY

Makarov, P.V. [Chemistry of the cell] Khimiia kletki. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 56 p.

Urgent problems of cytology. TSitologiia 5 no.3:261-262 My-Je '63.

CZECHOSLOVAKIA—ARMY—MILITARY LIFE

Combat workday. Sov.voin 44 no.23:18 D '62.

CZECHOSLOVAKIA—ARMY—SONGS AND MUSIC

Hello, soldier's song! Otakar Brůna. Sov.voin 44 no.23:28-29 D '62.

CZECHOSLOVAKIA—BRUCELLOSIS IN CATTLE

In the people's democracies. Vaclav Kouba, N.V. Solov'ev. Veterinariia 40 no.10:73-76 O '63.

CZECHOSLOVAKIA—CITY PLANNING

Shvidkovskii, O.A. [City planning in socialist Czechoslovakia] Gradostroitel'naia kul'tura sotsialisticheskoi Chekhoslovakii. Moskva, Izd-vo Akad.nauk SSSR, 1963. 389 p.

CZECHOSLOVAKIA—CREDIT

Credit planning in Czechoslovakia. S.Potach. Den.i kred. 22 no.3:79-86 Mr '64.

CZECHOSLOVAKIA—CULTURE—PERIODICALS

The cultural and artistic front. Kommunist 41 no.8: 98-115 My '64.

CZECHOSLOVAKIA—ECONOMIC GEOGRAPHY

Maergoiz, I.M. [The Czechoslovak Socialist Republic; economic geography] Chekhoslovatskaia Sotsialisticheskaia Respublika; ekonomicheskaia geografiia. Moskva, 'Mysl',' 1964. 730 p. (Geograficheskaia seriia)

CZECHOSLOVAKIA—ELECTRIC POWER DISTRIBUTION

Automatic control of reactive power in consumer systems in Czechoslovakia. IA.E.Vol'fkovich. Prom. energ. 19 no.4:45-46 Ap '64.

CZECHOSLOVAKIA—ENZYMES

Gaevoi, E.V., and others. [Production of endocrine and enzymatic preparations in Hungary and Czechoslovakia] Proizvodstvo endokrinnykh i fermentnykh preparatov v Vengrii i Chekhoslovakii. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 47 p.

[MICROFILM]

CZECHOSLOVAKIA—HISTORY—PERIODICALS

"Československý časopis historický"; a review. A.S. Myl'nikov. Vop.ist. 39 no.5:190-194 My '64.

CZECHOSLOVAKIA—HOFFMANN KILN

How to improve the performance of ring kilns. Sil'.bud. 13 no.1:20 Ja '63.

CZECHOSLOVAKIA—INDUSTRIAL WASTES

Use of the wastes of leather manufacture as fertilizers. A.A.Golovteeva. Kozh.obuv.prom. 5 no.12:37 D '63.

CZECHOSLOVAKIA—MACHINE-TOOL INDUSTRY

Machine tools in the Czechoslovakian Socialist Republic. Jan Straibl. Stan.i instr. 35 no.3:18-26 Mr '64.

CZECHOSLOVAKIA—MEDICAL ELECTRONICS

Prospects of the development of medical electronics in Czechoslovakia. I.Kozumplik. Med.prom. 17 no.10: 55-58 O '63.

CZECHOSLOVAKIA—MOTION-PICTURE PLAYS

"Here comes the tomcat." Viktor Shklovskii. Isk.kino 34 no.2:145-146 '64.

CZECHOSLOVAKIA—PARACHUTING

Preparing for competitions. Ctibor Cejpa. Kryl.rod. 15 no.4:18-19 Ap '64.

CZECHOSLOVAKIA—PETROLEUM PRODUCTION—IN-SITU COMBUSTION

Certain problems involved in the creation of an intra-reservoir combustion source. J.Jiránek. Neft.khoz. 42 no.5:69-72 My '64.

CZECHOSLOVAKIA—PHOTOGRAPHIC SENSITOMETRY

The VUZORT system for sensitometric measurements. E.Bures, J.Moravec, L.Steiskal. Tekh.kino i telev. 7 no.12:13-25 D '63.

CZECHOSLOVAKIA—PHYTOGEOGRAPHY

Problems of phytogeography in Czechoslovakia. Milan Ruzicka. Bot.zhur. 49 no.4:618-622 Ap '64.

CZECHOSLOVAKIA—PSYCHIATRY

Methods and forms used in the administration of psychiatric services in the Czechoslovak SSR. I.Pohady. Zhur.nevr.i psikh. '64 no.2:290-294 '64.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Trip to a country of friends. V.Ust'iantsev. Sov.voin 44 no.23:15-17 D '62.

CZECHOSLOVAKIA—TUBERCULOSIS IN ANIMALS

In the people's democracies. Vaclav Kouba, N.V. Solov'ev. Veterinariia 40 no.10:73-76 O '63.

CZECHOSLOVAKIA—WORLD WAR, 1939-1945—AERIAL OPERATIONS

The last "Heinkel." G.Lobov. Sov.voin 44 no.22:16 N '62.

CZESTOCHOWA, POLAND—METALLURGICAL PLANTS

The main thing is the fight for technical progress. Bronislaw Dublik, Ludwik Fronczek. NTO 6 no.4: 58-59 Ap '64.

DDT (INSECTICIDE)

Poisonous chemicals for collective-farm orchards and the farmers' personal plots. A.D.Fratkin. Zashch. rast.ot vred.i bol. 9 no.4:38 '64.

DACRON

Evaluating the molecular weights of polyethylene terephthalate and of the fibers made from it (lavsan). E.M. Aizenshtein, M.I.Zhivina. Khim.volok. no.2:74-75 '64.

DAGGERS see subdivision under Il'inka (Altai Territory)

DAGHESTAN—AGRICULTURE—STUDY AND TEACHING

From summer observations. I.Ibragimov. Nar.obr. no.5:45-47 My '64.

DAGHESTAN—COLLECTIVE FARMS

The Caucasians are developing valleys. K.Mamedov. Ekon.sel'khoz. 35 no.3:102-103 Mr '64.

DAGHESTAN—FIRES AND FIRE PREVENTION

The red banner of the District. I.Meketman. Pozh.delo no.3:14 Mr '64.

DAGHESTAN—GAS, NATURAL—GEOLOGY

Prospects for finding gas and oil in the Samur regions of Daghestan and Azerbaijan. A.G.Aliev and others. Geol.nefti i gaza 8 no.1:29-33 Ja '64.

DAGHESTAN—HOSPITALS

Hospitalization requirements for residents of the mountainous region of Daghestan. IA.I.Golin. Sov.zdrav. 22 no.8:45-51 '63.

DAGHESTAN—IRRIGATION FARMING

Irrigation is the basis of a sharp upsurge in the agriculture of Daghestan. A.Daniialov. Ekon.sel'khoz. 35 no.4:26-29 Ap '64.

DAGHESTAN—ORTHOPEDIC APPARATUS INDUSTRY

We service at home. M.Osmanov. Sots.obesp. 25 no.4:44-45 Ap '64.

DAGHESTAN—PALEONTOLOGY, STRATIGRAPHIC

Comparison of Upper Jurassic sediments in Daghestan and Western Turkmenia [with summary in English]. D.G. Piriatinskii. Vest.LGU 19 no.6:30-40 '64.

DAGHESTAN—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the Samur regions of Daghestan and Azerbaijan. A.G.Aliev and others. Geol.nefti i gaza 8 no.1:29-33 Ja '64.

DAGHESTAN—REVOLUTION, 1917-1921

Kichev, M. [From the history of the struggle for the consolidation of Soviet rule in Dagestan, 1920-1921] Iz istorii bor'by za uprochenie Sovetskoi vlasti v Dagestane (1920-1921 gg.) Makhachkala, Dagestanskii filial Akad. nauk SSSR, 1963. 101 p.

DAGHESTAN—SUNFLOWERS—IRRIGATION

Sunflower under irrigation. P.G.Semikhnenko, B.K. Ignat'ev. Zemledelie 26 no.4:73-74 Ap '64.

DAHLIAS—DISEASES AND PESTS see subdivision under Georgia

DAIRY BARNS

(see also subdivision under Kirovograd Province)

Required resistance to heat transfer in walls of livestock buildings. M.E.Gur'ev. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:103-110 '63.

DAIRY BARNS—DESIGN AND CONSTRUCTION see subdivision under Kherson Province

DAIRY BARNS—LIGHTING

Using fluorescent lamps in animal husbandry [with summaries in English, German, and French]. V.S.Krasnov and others. Vest.sel'khoz.nauki 8 no.12:104-108 D '63.

DAIRY CATTLE

Effect of keeping conditions on the yields reproduction capacity, and some clinical and physiological indices of cows [with summary in English]. V.A.Atrashkov. Izv.TSKHA no.1:226-235 '60.

DAIRY CATTLE—FEEDING AND FEEDS
(see also subdivision under Tajikistan)

Biochemical indices of the rumen and the productivity of cows fed corn silage prepared by various methods. Sh.D.Simbinov. Trudy Inst.fiziol.AN Kazakh.SSR 5:87-93 '63.

Effect of experimentally prepared silage on the state and productive qualities of lactating cows. N.U.Bazanova, B.N.Nikitin. Trudy Inst.fiziol.AN Kazakh.SSR 5: 74-86 '63.

Effect of high-quality protein nutrition on the growth and development of young cattle. V.V.Sakhnovskii. Trudy Stavr.sel'khoz.inst. no.11:16-23 '62.

DAIRY CATTLE BREEDING
(see also subdivision under Ukraine)

High-yield Brown Swiss cattle herd. V.N.Fesik. Trudy Stavr.sel'khoz.inst. no.11:37-44 '62.

DAIRY INDUSTRY see subdivision under Latvia

DAIRY MICROBIOLOGY

Interesting work on bacteriophagy. B.I.Klein. Mikrobiol.zhur. 25 no.1:63-64 '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [New developments in the microbiology of milk and dairy products] Novoe v mikrobiologii moloka i molochnykh produktov. Moskva, 1962. 24 p.
[MICROFILM]

DAIRY PRODUCTS

Shubat and its products. I.U.Urazakov. Zdrav.Kazakh. 23 no.4:70-71 '63.

DAIRYING—EQUIPMENT AND SUPPLIES

Characteristics of the utilization of the "herringbone" arrangement for milking parlors. O.H.Rodionov. Mekh.sil'.hosp. 13 no.10:26-27 O '62.

DAMPING (MECHANICS)

Nauchno-tekhnicheskoe soveshchanie po voprosam kolebanii s uchetom rasseianiia energii, 4th, 1962. [Energy dissipation during the vibration of elastic systems; transactions] Rasseianie energii pri kolebaniiakh uprugikh sistem; trudy. Pod red. G.S.Pisarenko. Kiev, Izd-vo Akad.nauk USSR, 1963. 375 p.

DAMPNESS IN BUILDINGS

Measuring precipitation that wets vertical surfaces. A.A.TSvid. Sbor.nauch.rab.DVNIIS. no.3:58-65 '62.

DAMS
(see also subdivision under Bering Strait; Soviet Central Asia; Tatar Strait; Tyuyabuguz Reservoir)

Application of the Ritz variation method for the calculation of arched dams. T.K.Potekhina. Izv.vys.ucheb.zav.; strol.i arkhit. 6 no.6:52-59 '63.

Calculating the irregular movement of water in prismatic channels with a horizontal bottom. IU.G.Ivanenko. Vop.gidr. no.11:62-66 '63.

Formation of the backed-up race of low-pressure dams after the example of the Kzyl-Orda Hydroelectric Power Station. V.IA.Abagian. Vop.gidr. no.11:56-61 '63.

Hydraulic resistance and the efficient form of rectaxial confusor pipes with a screen before the intake. N.A.Gretsov. Dokl.TSKHA no.87:223-230 '63.

DANCING see subdivision under Krasnoyarsk Territory

DAN'KEVYCH, KOSTIANTYN FEDOROVYCH, 1905-

The symphonic poem "Taras Shevchenko" by K.Dan'kevych. V.Dovzhenko. Mystetstvo 10 no.6:27-29 N-D '63.

DANUBE RIVER

Annual Meeting of the Association of International Co-operation on th Limnological Study of the Danube. V.I.Zhadin. Vest.AN SSSR 34 no.2:107-109 F '64.

DANUBE VALLEY—CARP—ANATOMY

Adaptive changes in the wild carp (Cyprinus carpio L.) of the Danube Valley. P.I.Pavlov. Vop.ikht. 4 no.1: 184-187 '64.

DANUBE VALLEY—COMMERCE

Central Europe and the commercial policy of German imperialism. B.M.Tupolev. Vop.ist. 39 no.3:209-210 Mr '64.

DANYLEVS'KYI, VIKTOR VASYL'OVYCH, 1898-1960

Khrienov, K.K., and P.I.Hnyp. Viktor Vasyl'ovych Danylevs'kyi. Kyiv, Vyd-vo Akad.nauk URSR, 1963. 42 p. (Seriia: "Vcheni Ukrains'koi RSR)

DANZIG, GULF OF—CLAY

Age of marine Interglacial (Yoldia) clay in the Gdanskaya Bukhta (Poland). E.A.Cheremisinova. Dokl.AN SSSR 155 no.3:580-582 Mr '64.

DANZIG, GULF OF—GEOLOGICAL TIME

Age of marine Interglacial (Yoldia) clay in the Gdanskaya Bukhta (Poland). E.A.Cheremisinova. Dokl.AN SSSR 155 no.3:580-582 Mr '64.

DARVAZA RANGE—BRACHIOPODA, FOSSIL

New species of Late Paleozoic brachiopods of the southwestern Darvaza Range. V.I.Volgin. Vop.paleont. 4:100-105 '64.

DAURKIN, NIKOLAI IVANOVICH

Alekseev, N.I. [Chukcha scientist Nikolai Daurkin] Uchenyi chukcha Nikolai Daurkin. [Magadan] Magadanskoe knizhnoe izd-vo, 1961. 86 p.

DEAD SEA SCROLLS

Kovalev, S.I., and M.M.Kublanov. [Finds in the Judaean desert; discoveries in the Dead Sea region, and the problems of the origin of Christianity] Nakhodki v Iudeiskoi pustyne; otkrytiia v raione Mertvogo moria i voprosy proiskhozhdeniia khristianstva. Izd.2., perer. i dop. Moskva, Politizdat, 1964. 109 p.

DEAF—EDUCATION

Education and development of deaf preschool children. B.Korsunskaia. Sov.pedag. 28 no.4:151-154 Ap '64.

DEAF CHILDREN see Children, Deaf

DECEMBRISTS
(see also subdivision under Moscow)

"The nationality question in views of the Decembrists" [in German] by H.Lemberg. Reviewed by P.IA.Bukshpan. Vop.ist. 39 no.3:190-191 Mr '64.

DECORATION AND ORNAMENT, UKRAINIAN

Ornament of the hand-woven fabrics in the western areas of the Ukraine of the 19th and early twentieth century. S.I.Sidorovych. Mat.z etn.ta mystetstvoznav. no.5: 64-88 '59.

DECORATIVE DESIGN see Design, Decorative

DEEP DRAWING (METALWORK)

Selecting the optimal parameters of chain pipe drawing mills. E.V.Pal'mov, V.I.Ural'skii. Izv.vys.ucheb.zav.; chern.met. 7 no.4:172-176 '64.

DEER—PARASITES see Parasites—Deer

DEFENSE (CRIMINAL PROCEDURE)
(see also subdivision under Leningrad; Vladimir Province)

Urakov, L.I. [Public accusation and public defense in Soviet criminal procedure] Obshchestvennoe obvinenie i obshchestvennaia zashchita v sovetskom ugolovnom protsesse. Moskva, "IUridicheskaia literatura," 1964. 121 p.

DEFICIENCY DISEASES
(see also subdivision under Murmansk; Russia, Northern)

Differential diagnosis and treatment of some forms of rickets-like diseases in children [with summary in English]. E.M.Fateeva and others. Pediatriia 42 no.9:69-74 S '63.

DEFORMATIONS (MECHANICS)

Deformation and fracture of rolled beryllium of different purity. V.M.Amonenko and others. Atom.energ. 16 no.5:426-432 My '64.

Deformation in oil strings. L.S.Melik-Aslanov, Ch.I.Abbasov. Nefteprom.delo no.3:12-15 '64.

Determining contact stresses during metalworking by pressure in connection with the mechanical properties of metals. I.IA.Tarnovskii, A.N.Levanov, M.I.Poksevatkin. Izv.vys.ucheb.zav.; chern.met. 7 no.4:97-102 '64.

Effect of deformation on the carbide transformation. A.A.Baranov, I.E.Lev. Izv.vys.ucheb.zav.; chern.met. 7 no.5:122-123 '64.

Effect of plastic deformation and subsequent annealing on the rate of hydrogen penetration into austenite. P.V.Gel'd and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:119-123 '64.

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 2: Character of the spherolite structure breakdown and the mechanical properties of gutta-percha on repeated deformations of the films [with summary in English]. V.A.Kargin, T.I.Sogolova, L.I.Nadareishvili. Vysokom.soed. 6 no.1:169-173 Ja '64

Effect of the intrinsic viscosity of macromolecules on their deformability in the flow [with summary in English]. E.V.Frisman, Siui Mao [Hsü Mao]. Vysokom.soed. 6 no.1:41-46 Ja '64.

Investigating elastic-plastic clean bends by the optical polarization method. V.IU.Markovskii, P.I.Polukhin, M.P.Shaskol'skaia. Izv.vys.ucheb.zav.; chern.met. 7 no.5:85-89 '64.

Investigation of local deformations caused by the bending of a hollow shaft. L.S.Burshtein. Izv.AN SSSR.Mekh. i mashinostr. no.2:123-129 Mr-Ap '64.

Methods for short-time tests of metals at elevated deformation rates. N.P.Ageev, S.I.Daratushin. Zav.lab. 30 no.5:592-595 '64.

Selecting criteria characterizing the shape of the deformation center during rolling in plain grooves. S.G.Nekrasov. Izv.vys.ucheb.zav.; chern.met. 7 no.4:115-118 '64.

Structural and mechanical study of isotactic and atactic polystyrene graft copolymers [with summary in English]. V.P.Shibaev and others. Vysokom.soed. 6 no.1:107-111 Ja '64.

Structural defects and plastic deformation of copper at high pressures. D.K.Bulychev and others. Dokl.AN SSSR 156 no.1:67-68 My '64.

Study of the deformation concrete. A.A.Liubimov and others. Sbor.nauch.trud.KGRI 18:29-44 '62.

Use of powdered specimens in recording the thermomechanical curves of polymers [with summary in English]. L.N.Fomenko, G.A.Kuznetsov, V.D.Gerasimov. Vysokom.soed. 6 no.3:421-426 Mr '64.

Variational principles governing the development of cracks in solids. E.M.Morozov, L.S.Polak, IA.B.Fridman. Dokl.AN SSSR 156 no.3:537-540 '64.

DEGRADATION (CHEMISTRY)

Degradation of polymer molecules in a solution (polyisobutylene, polymethyl methacrylate) when passing the prestationary stage of deformation. A.A.Trapeznikov. Dokl.AN SSSR 155 no.2:430-433 Mr '64.

Radical nature of degradation of a number of organosulfur compounds, accelerators of rubber plasticization [with summary in English]. A.S.Prashchikina, E.N.Gur'ianova, A.E.Grinberg. Vysokom.soed. 6 no.1: 112-117 Ja '64.

Thermal degradation of ethylene-propylene rubber. Part 1: C_2 -C_6 hydrocarbons in the products of thermal degradation of ethylene-propylene synthetic rubber [with summary in English]. IA.M.Slobodin, V.E.Maiorova, A.M.Smirnova. Vysokom.soed. 6 no.3:541-544 Mr '64.

Thermal degradation of polyethylene terephthalate. I.E.Kardash, A.N.Pravednikov, S.S.Medvedev. Dokl.AN SSSR 156 no.3:658-661 '64.

Thermal degradation of polyformaldehyde. A.B.Bliumenfel'd, M.B.Neiman, B.M.Kovarskaia. Dokl.AN SSSR 154 no.3:631-633 Ja '64.

DEHORNING

Amputation of pathologically twisted horns in Soviet Merino rams. V.L.Kupchinskii. Trudy Stavr.sel'khoz.inst. no.11:152-160 '62.

DEHYDRASES

Dependence of the blood catalase activity and liver dehydrase of carp, Amur wild carp, and their hybrids upon the temperature of the environment. G.L.Shkorbatov. Nauch.dokl.vys.shkoly; biol.nauki no.2:60-65 '64.

DEHYDROGENASE

Soil dehydrogenases. A.Sh.Galstian. Dokl.AN SSSR 156 no.1:166-167 My '64.

DEHYDROGENATION

Obtaining dimethyl styrene by the dehydrogenation of cymene. B.L.Kozik, S.V.Pestrikov, L.I.Gormash. Trudy BashNII NP no.6:198-204 '63.

Studying the dehydrogenation of isopentane on K-544 and K-5 finely divided catalysts. B.A.Kazanskii and others. Trudy GrozNII no.15:241-253 '63.

DELEGATED LEGISLATION see subdivision under Italy

DELHI BOIL see subdivision under Azerbaijan

DELICATESSEN

Fedotov, V.A. [Delicatessen] Gastronomicheskie tovary. Izd.3., dop. i perer. Moskva, Ekonomika, 1964. 238 p.

DELIVERY OF GOODS
(see also subdivision under Kharkov)

Linear programming and the centralized delivery of goods. K.Filatov and others. Sov.torg. 37 no.4:14-17 Ap '64.

Problems of the improvement of bread delivery to the retail trade. L.A.Samsonov. Khleb.i kond.prom. 8 no.4:11-15 Ap '64.

DELIVERY OF GOODS (LAW)

Disputes arising from the terms of contracts for the delivery of goods concluded by accepting the order to perform. Z.Krylova. Sov.iust. 28 no.9:14-15 My '64.

Margolin, M.Z. [Delivery and acceptance of perishable goods] Postavka i priemka skoroportiashchikhsia tovarov. Moskva, "IUridicheskaia literatura," 1964. 101 p. (Bibliotechka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

Masevich, M.G. [Contract on delivery of goods and its role in strengthening the business accounting system] Dogovor postavki i ego rol' v ukreplenii khozrascheta. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1964. 316 p.

Murzin, N.G. [Arbitration preceding a contract of delivery under Soviet civil law] Preddogovornyi arbitrazh po postavke v sovetskom grazhdanskom prave. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1964. 111 p.

Practice of arbitration agencies in cases concerning the quality and amount of delivered goods. F.Kh.Liberman. Sov.gos.i pravo no.12:132-138 D '63.

DELIVERY OF GOODS (LAW) (Continued)

R.O.Khalfina's "Legal regulation of delivery of goods." M.A.Vaksberg, M.G.Masevich, V.V.Pokrovskii. Sov.gos.i pravo 34 no.4:136-139 Ap '64.

Theory and the making of a contract for the delivery of goods under the present laws [with summary in English]. S.IA.Palastina. Vest.LGU 19 no.5:109-120 '64.

The time of transfer of the property right and risk due to accidental loss of goods in a sales contract used in Soviet foreign trade. N.I.Tatishcheva. Uch.zap.IMO no.14:49-66 '63.

DENATURED ALCOHOL see Alcohol, Denatured

DENDROCHRONOLOGY

An ancient chronicle of the forest. B.A.Kolchin. Priroda 53 no.5:34-41 '64.

Methods of dendrochronological analysis. V.E.Rudakov. Sov.arkheol. 8 no.2:79-86 '64.

DENMARK—PETROLEUM REFINERIES

New petroleum refinery in Denmark. Nefteper.i neftekhim. no.4:45-48 '64.

DENSITOMETERS

Dynamic investigation of the hydrostatic device for measuring the density of liquids. I.K.Petrov. Mekh.i avtom.proizv. 18 no.5:45-47 My '64.

Type TsD-7 (TsD-4) densitometer for measuring sound track density over a range from 0 to 4,0. Z.A.Belorusets, L.K.Krupenin, IU.M.Leliukhin. Tekh.kino i telev. 7 no.12:26-28 D '63.

Use of a type PRK-4 burner in the MGF (GDR) brand densitometer. IU.A.Goriaev. Lab.delo 9 no.4:52-53 Ap '63.

DENTAL MATERIALS

Kashirin, V.N. [Science of dental materials] Zubotekhnicheskoe materialovedenie. Moskva, Izd-vo "Meditsina," 1964. 263 p.
(DNLM)

DENTISTRY—EQUIPMENT AND SUPPLIES

Apparatus for removing dental calculus by means of ultrasonics. A.A.Kolosov, G.E.Demidov, A.P.Kuznetsov. Med.prom. 17 no.9:53-58 S '63.

DENTISTRY, OPERATIVE

Surgical treatment of diastema. I.V.Gornostaeva. Trudy TSIU 64:183-189 '63.

DEOXYRIBONUCLEIC ACID see Nucleic acids

DEPARTMENT STORES see subdivision under Moscow

DEPARTMENT STORES—DESIGN AND CONSTRUCTION see subdivision under Moscow

DEPOLARIZATION (ELECTRICITY)

Depolarization in the deposition of alkali metals on liquid cathodes [with summary in English]. M.F.Lantratov, B.I.Skirstymonskaia. Zhur.fiz.khim. 36 no.11:2442-2447 N '62.

DEPRESSION, MENTAL

Depressions in endocrine disorders. M.Bleuler. Zhur.nevr.i psikh. 64 no.2:239-244 '64.

Vascular pathology and its role in various types of course of presenile depression. L.A.Chelyshev. Zhur.nevr.i psikh. 64 no.2:245-249 '64.

DEPRESSIONS

Mendel'son, L.A. [The theory and history of economic crises and cycles] Teoriia i istoriia ekonomicheskikh krizisov i tsiklov. Moskva, "Mysl'."
Vol.3. 1964. 526 p.

DEREHUS, MYKHAILO HORDIIOVYCH, 1904-

Lohvyn, H.N. Derehus. Kyiv [Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR] 1963. 11 p. 39 plates. [In Ukrainian and Russian]
(NN)

DERIAN, VAHAN, 1885-1920

Translations by Vahan Derian for the "Poetry of Armenia." S.Melikian. Ist.-filol.zhur. no.4:241-248 '63.

DERMATOLOGY

Experience with the correspondence and resident specialization of dermatovenereologists. A.I.Kartamyshev. Vest.derm.i ven. 37 no.4:58-61 Ap '63.

Organization of cosmetic aid. M.A.Kachkovskii. Vest.derm.i ven. 37 no.5:54-55 My '63.

Photodocumentation in the dermatologist's work. A.A.Levkov. Vest.derm.i ven. 37 no.5:59-61 My '63.

The role of the V.M.Tarnovskii Hospital in the development of Russian venereology and dermatology; on the 200th anniversary of the Kalinkino Hospital. P.V.Kozhevnikov, M.A.Frolova. Vest.derm.i ven. 37 no.5:62-68 My '63.

Specialization and training of dermatovenereologists. P.V.Kozhevnikov. Vest.derm.i ven. 37 no.4:3-8 Ap '63.

DERMATOLOGY—BIBLIOGRAPHY see Bibliography—Dermatology

DERMATOLOGY—DICTIONARIES

Lapanashvili, I.G. [Materials on dermatological terminology] Materialy k dermatologicheskoi terminologii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 280 p.

DERMATOMYCOSES

(see also subdivision under Ural'sk Province)

Discussion of the problems of the classification and terminology of dermatomycoses. IA.Al'kevich. Vest.derm.i ven. 37 no.5:45-46 My '63.

DESERT CANDLE

Acid phosphatase from the roots of some Eremurus species. A.A.Kuznetsov, B.N.Stepanenko. Dokl.AN SSSR 155 no.3:694-697 Mr '64.

DESERT FAUNA

(see also subdivision under Murgab Valley)

Basic trends in the adaptation of insects to life in a desert [with summary in English]. N.S.Giliarov. Zool.zhur. 43 no.3:443-454 '64.

DESERT FLORA see subdivision under Ashkhabad Province

DESIGN, DECORATIVE

Sumbadze, L.Z. [Variant design] Variantnyi ornament. Tbilisi, Gos. izd-vo "TSodna," 1963. 25 p. 63 plates. [In Georgian and Russian]

DESORPTION

Desorption of a collector from the surface of minerals. A.S.Konev, L.B.Debrivnaia. Trudy Mekhanobr no.131:43-74 '62.

Putting into practice the desorption and removal of reagents process under industrial conditions. A.S.Konev. Trudy Mekhanobr no.131:248-255 '62.

DESTRUCTIVE DISTILLATION see Distillation, Destructive

DESULFURATION

Changes in the homogeneity of basic slag during the scrap process and its effect on the desulfuration of the metal. P.F.Zakora and others. Izv.vys.ucheb.zav.; chern.met. 7 no.5:58-62 '64.

Corrosion of metals in processes of the hydrodesulfuration of petroleum products. L.D.Zakharochkin. Nefteper.i neftekhim. no.4:38-41 '64.

Corrosion of metals in the hydrogenation process of the desulfuration of petroleum products. L.L.Zakharochkin. Nefteper.i neftekhim. no.3:34-37 '64.

Desulfuration of cast iron by magnesium in the ladle. I.G.Polovchenko and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:31-36 '64.

DETERMINANTS

Multidimensional determinants with integral elements. N.P.Sokolov. Ukr.mat.zhur. 16 no.1:126-132 '64.

DEUTERIUM

Mobility of hydrogen in the methoxy group of aromatic compounds as dependent on other substituents. E.A.Rabinovich, A.I.Shatenshtein. Dokl.AN SSSR 155 no.5:1134-1136 Ap '64.

DEUTERIUM OXIDE

Effect of D_2O on the physical properties of wheat gluten. V.L.Kretovich, A.B.Vakar. Dokl.AN SSSR 155 no.2:465-467 Mr '64.

DEUTERONS

Magnetic relaxation of protons and deuterons in aqueous solutions of Cr^{3+} ions. R.K.Mazitov. Dokl.AN SSSR 156 no.1:135-138 My '64.

DIABASE see subdivision under Ural Mountain region

DIABETES

A.Bischoff. Diabetic neuropathy. L.A.Kukuev. Zhur.nevr.i psikh. 64 no.3:476 '64.

Characteristics of the course of acute surgical diseases of abdominal organs in diabetes [with summary in English]. V.D.Sokolovskii. Vest.khir. 90 no.5:68-75 My '63.

Differential diagnosis and treatment of some forms of rickets-like diseases in children [with summary in English]. E.M.Fateeva and others. Pediatriia 42 no.9:69-74 S '63.

Effect of protein and carbohydrate food test samples on glycemia in diabetes mellitus [with summary in English]. K.M.Prostiakov. Vop.pit. 21 no.6:3-10 N-D '62.

Heart in diabetes mellitus. E.P.Kamysheva, G.S.Aizen, Z.M.Parokhoniak. Sbor.trud.GMI no.15:121-143 '63.

X-ray indices of the functional state of the cardiovascular system in diabetes mellitus under clinical and experimental conditions. A.I.Lapitskii. Dokl.AN BSSR 8 no.3:201-203 Mr '64.

DIABETES—RESEARCH

Effect of insulin on glucose and fructose uptake by isolated fat tissue of the epididymis of [illegible] rats, starved rats, and rats with alloxan diabetes [with summary in English]. K.G.Gromova. Biokhimiia [illegible] no.6:1106-1110 N-D '62.

DIACETANILIDE

Aniline-N,N-diacetic-o-arsonic acid. R.P.Las[illegible], I.D.Kolpakova, L.I.Kozhelenko. Metod.polu[illegible] reak.i prepar. no.6:65-67 '62.

DIAGNOSIS

Diagnostic errors in rheumatic fever in children. [illegible] Gredina. Zdrav.Kazakh. 23 no.4:[illegible]

Method of gathering material in the diagnosis of diphtheria. L.V.Skavinskaia. Zdrav.Turk. 7 [illegible] 33 D '63.

Quality of diagnoses made by physicians of the [illegible] service. M.A.Mesnel'. Sov.zdrav. 22 [illegible] '63.

Results of the use of some new methods of bacteriological diagnosis of diphtheria in practical laboratories [with summary in English]. IU.M.Krinkov and others. Zhur.mikrobiol., epid.i immun. 40 no.[illegible]

Sources of diagnostic errors in acute appendicitis in outpatients. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:79-85 '62.

DIAGNOSIS, CYTOLOGIC

Diagnostic value of cytological investigations in [illegible] of the larynx [with summary in English]. [illegible] Zhur.ush.,nos.i gorl.bol. 23 no.6:5-10 [illegible]

Immediate results of the surgical treatment of [illegible] fibromyoma. L.A.Malina. Zdrav.Bel. 9 no.[illegible] Je '63.

DIAGNOSIS, DIFFERENTIAL

Cerebral blood circulation disorders in stenoses and occlusions of the middle cerebral artery. [illegible] kaia. Zhur.nevr.i psikh. 64 no.2:232-[illegible]

Clinical characteristics of the initial stages of [illegible] focal atrophic diseases in old age. V.M.Ille[illegible] Zhur.nevr.i psikh. 64 no.2:270-274 '64.

Diagnosis and treatment of acute surgical diseases of abdominal organs in patients with burns [with summary in English]. A.N.Orlov. Vest.khir. 90 no.5:[illegible] My '63.

Diagnosis and treatment of tumors of the carotid body [with summary in English]. IA.D.Vitebskii. Vest.khir. 90 no.5:57-60 My '63.

Differential diagnosis and treatment of some forms of rickets-like diseases in children [with summary in English]. E.M.Fateeva and others. Pediatriia 42 no.9:69-74 S '63.

Differential diagnosis of the anicteric form of Botkin's disease in children [with summary in English]. [illegible] Shakhgil'dian. Vop.okh.mat.i det. 7 no.[illegible] '62.

Psychotic pictures observed during the course of Alzheimer's disease and Pick's disease. N.F.[illegible] Zhur.nevr.i psikh. 64 no.2:265-268 '64.

Some problems in the diagnosis of cancer in the area of the head of the pancreas [with summary in English]. N.S.Makokha. Vest.khir. 90 no.5:35-41 My '63.

DIAGNOSIS, FLUOROSCOPIC—EQUIPMENT AND SUPPLIES

Work in a mobile fluorograph unit. G.I.Firsov. Sov.zdrav. 22 no.9:67-69 '63.

DIAGNOSIS, RADIOSCOPIC

Cystic formations of the mesenteries in children [with summary in English]. D.E.Abkin. Vest.khir. 90 no.5:113-116 My '63.

Simbirtsova, L.P. [X-ray diagnosis of cancer of the large intestine] Rentgenodiagnostika raka tolstoi kishki. [Leningrad] Meditsina, 1964. 140 p.
(DNLM)

Volin, E.M. [Peripheral cancer and circumscribed formations in the lungs; clinical X-ray diagnosis] Perifericheskii rak i sharovidnye obrazovaniia i legkikh; kliniko-rentgenologicheskaia diagnostika. Moskva, Izd-vo "Meditsina," 1964. 189 p.
(DNLM)

DIALECTICAL MATERIALISM

An analysis of the categories; things, properties, relations. L.B.Bazhenov, N.F.Ovchinnikov. Vop.filos. 18 no.3:173-177 '64.

Biriukov, B.V., D.I.Kosholevskii, and A.E.Furman, eds. [Dialectical materialism and problems of natural science; lectures] Dialekticheskii materializm i voprosy estestvoznaniia; lektsii. [Moskva] Izd-vo Mosk.univ., 1964. 411 p.

The Leninist concept of matter and the problem of the unity of field and matter. V.N.Rudakov. Izv.LETI no.40:111-124 '60.

Leninist principle of the inexhaustibility of matter and the present-day physics. S.T.Meliukhin. Izv.LETI no.40:96-110 '60.

DIALECTICAL MATERIALISM (Continued)

Marxist-Leninist theory of knowledge and problems of the formation of a communist world view. G. M. Gak. Sov. pedag. 28 no. 4:17-28 Ap '64.

Moscow. Aviatsionnyi institut imeni Sergo Ordzhonikidze. [Development of the theory of Marxism by V. I. Lenin; some problems of philosophy, economics, and the history of the CPSU] Razvitie V. I. Leninym teorii marksizma; nekotorye voprosy filosofii, politekonomii i istorii KPSS; sbornik statei pod red. A. A. Voronovicha, N. A. Kokarova i D. M. Troshina. Moskva, 1962. 264 p. (MH)

A new step elaborating on the Leninist philosophical legacy. V. V. Keshelava. Vop. filos. 18 no. 3:158-162 '64.

Russia (1917- R. S. F. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of contemporary bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [Petrozavodsk] Rosvuzizdat, 1963. 181 p.

Serious shortcomings in a book on dialectical materialism. P. V. Kopnin, I. S. Narskii, V. A. Smirnov. Vop. filos. 18 no. 4:165-170 '64.

Sverdlovsk. Gosudarstvennyi pedagogicheskii institut. [Problems of the history of the CPSU and philosophy; a collection of articles by the departments of the social sciences] Voprosy istorii KPSS i filosofii; sbornik statei kafedr obshchestvennykh nauk. Sverdlovsk, Sverdlovskii gos. pedagog. in-t, 1960. 172 p.
[MICROFILM]

Titarenko, A. I. [Pragmatist false Marxism as the philosophy of anticommunism; criticism of the contemporary pragmatist falsification of Marxist philosophy] Pragmatistskii lzhemarksizm - filosofiia antikommunizma; kritika sovremennoi pragmatistskoi fal'sifikatsii filosofii marksizma. [Moskva] Izd-vo Mosk. univ., 1964. 290 p.

V. I. Lenin's book "Materialism and empiriocriticism" and the basic philosophical problem in mathematics. D. A. Dobrotin. Izv. LETI no. 40:125-139 '60.

Verbin, A. I. [Basis and superstructure] Bazis i nadstroika. Moskva, Politizdat, 1964. 38 p. (Metodicheskie sovety po filosofii)

DIALECTICAL MATERIALISM—STUDY AND TEACHING

The most important part of the ideological education of students. V. IA. Klimushev. Vop. ist. KPSS 8 no. 5:141-144 My '64.

DIAMOND CRYSTALS

Morphological study of synthetic diamond crystals. G. G. Lemmlein, M. O. Kliia, A. A. Chernov. Kristallografiia 9 no. 2:231-241 Mr-Ap '64.

DIAMONDS see subdivision under Lena Valley

DIAPHRAGM

Changes in the position and skeletopia of the human diaphragm due to age. G. N. Aleksandrov, V. IA. Barakov. Nauch. trudy SamMI 21:102-107 '62.

DIAPHRAGM—HERNIA

Classification and characteristics of diaphragmatic hernias. V. IA. Barakov. Nauch. trudy SamMI 21:108-114 '62.

Right-sided and central anterior congenital diaphragmatic hernias in an 8-year-old boy. S. S. Pavlov. Khirurgiia no. 1:132-133 '63.

DIAPHRAGM—TRANSPLANTATION

Use of B. V. Petrovskii's diaphragmatic flaps in esophageal surgery. V. M. Vol'skii, E. M. Borovyi. Khirurgiia no. 1:68-72 '63.

DIATOMACEOUS EARTH

Changes in some physicochemical properties of syrup occurring during filtration through kieselguhr. T. F. Gorb and others. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:60-61 '64.

DIATOMS see subdivision under Baikal, Lake; Caspian Sea

DIAZ, JOSE, 1894-1942

People, events, dates.... Komm. Bel. 38 no. 4:74-76 Ap '64.

DIAZO COMPOUNDS

Arsazene. S. M. Lukin, G. S. Petrova. Metod. poluch. khim. reak. i prepar. no. 6:14-16 '62.

Azoxines. A. I. Busev, L. L. Talipova. Metod. poluch. khim. reak. i prepar. no. 6:35-40 '62.

Case of unusual addition of diazoacetic ester to ketones. N. P. Gambarian, L. A. Simonian, I. L. Knuniants. Dokl. AN SSSR 155 no. 4:833-835 Ap '64.

Sulfarsazene. A. M. Lukin, G. S. Petrova. Metod. poluch. khim. reak. i prepar. no. 6:16-18 '62.

DIAZONIUM COMPOUNDS

Constitution of o- and p-hydroxyphenyl diazonium cations containing SO_3H- and COOH groups. B. S. Kikot', L. A. Kazitsyna, O. A. Reutov. Izv. AN SSSR. Ser. khim. no. 4:756-758 Ap '64.

DIBENZAZEPINE

Comparative pharmacological data on the use of chlorazicin and tofranil in psychiatric practice. I. P. Lapin. Zhur. nevr. i psikh. 64 no. 2:281-289 '64.

DICHROMATES

Extraction-dichromate micromethod for determining higher fatty acids [with summary in English]. A. P. Levyts'kyi, M. P. Bulats'kyi. Ukr. biokhim. zhur. 35 no. 1:120-128 '63.

DIDEROT, DENIS, 1713-1784

Diderot's philosophy and present-day reality [with summary in English, p. 186]. Kh. N. Momdzhian. Vop. filos. 17 no. 12:68-80 '63.

A session devoted to the 250th anniversary of Denis Diderot's birth. B. D. Dragun. Vop. filos. 17 no. 12:152-154 '63.

The 250th anniversary of Denis Diderot's birth. I. I. Sivolap. Vop. ist. 39 no. 5:152-154 My '64.

Views of Denis Diderot on art. S. Lavrov. Mystetstvo 10 no. 5:27-28 S-O '63.

DIE CASTING

Kasumzade, N. G. [Liquid metal drop forging of parts] Shtampovka detalei iz zhidkogo metalla. Baku, Azerneshr, 1964. 82 p.

Mechanizing die-casting shops. E. Adzhemian, I. Saakian. Prom. Arm. 7 no. 3:6-7 Mr '64.

DIE CASTING—EQUIPMENT AND SUPPLIES

Checking the pressing speed. D. R. Akivis, E. B. Ivanov-Emin, P. P. Moskvin. Mekh. i avtom. proizv. 18 no. 4:37-39 Ap '64.

DIELECTRIC CONSTANT

Determination of higher alcohols in the control of oxo synthesis by the measurement of dielectric constants. T. F. TSelinskaia, N. I. Ivanova. Zav. lab. 30 no. 5:536-537 '64.

Dielectric constant of mixtures. V. M. Finkel'berg. Zhur. tekh. fiz. 34 no. 3:509-518 Mr '64.

Dielectric properties of polyhydric alcohols in the liquid state [with summary in English]. A. V. Komandin, B. D. Shimit. Zhur. fiz. khim. 37 no. 3:510-516 Mr '63.

Repolarization of triglycine sulfate crystals in linear periodic fields at frequencies of 10^2 - 10^{-5} cps. A. A. Brandt, V. IA. Shevchenko. Kristallografiia 9 no. 2:202-293 Mr-Ap '64.

Temperature coefficient of the dielectric constant of sorbed water [with summary in English]. I. V. Zhilnenkov. Zhur. fiz. khim. 36 no. 11:2406-2412 N '62.

DIELECTRIC CONSTANT—MEASUREMENT

Dispersion of permittivity in ferroelectrics. N. P. Khuchua, L. F. Lychkataia. Izv. AN SSSR. Ser. fiz. 28 no. 4:709-713 Ap '64.

Microwave study of the dispersion of permittivity in barium titanate-type ferroelectrics. M. M. Nekrasov, IU. M. Poplavko. Izv. AN SSSR. Ser. fiz. 28 no. 4:714-716 Ap '64.

DIELECTRICS

Development of breakdown locations in liquid dielectrics with engineering applications. R. A. Lipshtein, E. N. Shtern. Elektrotekhnika 35 no. 3:15-18 Mr '64.

Effect of air switches on the electrical strength of dielectrics. B. L. Gel'mont. Izv. LETI no. 43:45-64 '60.

Electrical strength of a multilayer dielectric from saturated condenser paper during a prolonged action of a 50 cycle potential. D. S. Varshavskii. Izv. vys. ucheb. zav.; energ. 7 no. 1:19-26 Ja '64.

Ways to develop inorganic dielectrics. N. P. Bogoroditskii. Izv. LETI no. 43:6-11 '60.

DIES (METALWORKING)

Automatic die for manufacturing grids. A. R. Rakhno. Mashinostroenie no. 2:19-21 Mr-Ap '64.

Use of a universal multiple block die. G. V. Shulimovich. Mashinostroenie no. 2:55-56 Mr-Ap '64.

DIESEL ELECTRIC POWER PLANTS

Kudriashov, G. V., and E. E. Chekmenev. [Automated diesel electric power plants] Avtomatizirovannye dizel'nye elektroagregaty. Moskva, Izd-vo "Mashinostroenie," 1964. 350 p.

DIESEL ENGINES
(see also subdivision under Gorkiy)

Selecting diesels for drilling rigs. V. A. Avakov, V. V. Kalashnikov, A. IA. Raikhel'. Mash. i neft. obor. no. 3:29-31 '64.

Studying the variation of the suction and exhaust pressures of the D-35 diesel. G. A. Vanian. Trudy Arm. NIIMESKH no. 1:71-81 '63.

DIESEL ENGINES—FUEL SYSTEMS
(see also subdivision under Sumy Province)

Increasing the requirements for plunger pairs of diesel-engine fuel pumps. V. N. Starostin. Standartizatsiia 28 no. 3:12 Mr '64.

Operation of swirl chamber motors on mixtures of diesel fuel and gasoline. V. V. TSvetkov. Energomashinostroenie 9 no. 3:20-22 Mr '63.

Standardization of hydraulic tests of diesel engine sprayers. R. V. Rusinov, V. M. Pavlova. Standartizatsiia 28 no. 3:16-19 Mr '64.

DIESEL ENGINES—MAINTENANCE AND REPAIR

Galvanic tinning of the pistons of the 2D100 diesel. A. E. Naumenko. Elek. i tepl. tiaga 8 no. 1:5-7 Ja '64.

Oil filtration during the running-in of the D-54 engine. T. Sharovar. Tekh. v sel'khoz. 23 no. 12:64-65 D '63.

Repairing the body of a pump. M. Kulakov. Tekh. v sel'khoz. 23 no. 12:78 D '63.

We are using chemical reagents in cleaning blower housings. A. F. Generalov. Elek. i tepl. tiaga 8 no. 1:7 Ja '64.

DIESEL ENGINES—TESTING

Characteristics of the utilization of the D-16 engine. I. V. Novyts'kyi. Mekh. sil'. hosp. 15 no. 2:9-10 F '64.

DIESEL FUELS
(see also subdivision under Peschanyy Island)

Adding kerosene to diesel fuels. V. Zakharkinskii. Tekh. v sel'khoz. 23 no. 12:56 D '63.

Carbamide dewaxing of hydrocleaned diesel fuel. L. N. Pirkis, M. I. Bondar', B. V. Klimenok. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 12:57-59 '63.

High-cetane diesel fuels from Surakhany sampling oil. Kh. A. Mirzabekova, M. G. Mamedli. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4:61-62 '64.

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu. [New methods for the reconditioning of parts and the purification of fuel] Novye metody vosstanovleniia detalei i ochistki topliva. Moskva, 1963. 36 p. (Lesoekspluatatsiia)
[MICROFILM]

Obtaining a low-melting paraffin from diesel fuel fractions by filter pressing and sweating. N. F. Bogdanov and others. Trudy GrozNII no. 15:201-212 '63.

Simplified oil catcher. P. H. Bilyk. Mekh. sil'. hosp. 15 no. 2:23 F '64.

Technological process of dewaxing diesel fuels with crystal carbide. M. G. Mitrofanov, N. I. Bondarenko, S. V. Makar'ev. Trudy GrozNII no. 15:137-142 '63.

DIESEL FUELS—CONTAINERS

Repairing containers of liquid fuels. D. Kel'bert. Tekh. v sel'khoz. 23 no. 12:66-67 D '63.

DIESEL LOCOMOTIVES

Advice on the operation of TE10 and TEP10 diesel locomotives. V. Z. Dubrovskii, E. G. Zaslavskii, V. I. Koshevoi. Elek. i tepl. tiaga 7 no. 12:30-33 D '63.

Capron axle box supports for diesel locomotives. A. V. Kormushin, V. G. Rogachev. Elek. i tepl. tiaga 8 no. 1:8 Ja '64.

Cause of the faulty operation of the engineer's brake valve. A. T. Namaev. Elek. i tepl. tiaga 8 no. 1:15 Ja '64.

Causes of unsatisfactory commutation in the main generators of diesel locomotives. M. F. Karasev, A. M. Trushkov, V. P. Paramzin. Trudy OMIIT 37:57-64 '62.

One fault of the TE3 diesel locomotive. K. S. Urbanskii. Elek. i tepl. tiaga 8 no. 1:25-26 Ja '64.

Replies to the inquiries of our readers. Elek. i tepl. tiaga 8 no. 1:37 Ja '64.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Contactless transfer relays for diesel locomotives. B. G. Kamenetskii, A. V. Novikov. Elek. i tepl. tiaga 7 no. 12:4-5 D '63.

Design and performance of the TRN1 regulator. V. A. Semin. Elek. i tepl. tiaga 7 no. 12:36-37 D '63.

Drying of the main generator of the TEM1 diesel locomotive using short-circuit current. V. F. Doroshenko. Elek. i tepl. tiaga 8 no. 1:29 Ja '64.

DIESEL LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Electroless nickel plating of parts made from aluminum alloys. S. A. Pushkareva, T. N. Maksakova. Elek. i tepl. tiaga 7 no. 12:12-13 D '63.

DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

Characteristics of the hydraulic clutch during variable filling. IU. I. Milovidov. Vest. TSNII MPS 23 no. 3:49-50 '64.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Flaw detector for checking cylindrical bushings. D. T. Turgunov, O. N. Vedenskii. Elek. i tepl. tiaga 8 no. 1:19-20 Ja '64.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR (Continued)

[illegible] in the repair of diesel locomotives [illegible] in the railroad repair shop of [illegible] A.G.Baru. Elek.i tepl. [illegible] Ja '64.

Ways to detect and eliminate the causes of crankcase [illegible] in 2D100 diesel locomotives. V.N.Belou-[illegible] i tepl.tiaga 7 no.12:6-7 D '63.

DIESEL LOCOMOTIVES—PERFORMANCE

[illegible] of the shift crew operation system on the basic in[illegible] utilization of diesel locomotives. E.P. [illegible] TASHIIT no.23:134-141 '62.

DIESEL LOCOMOTIVES—TRANSMISSION DEVICES

[illegible] operation of the electric transmission system [illegible] diesel locomotive. A.M.Trushkov, V.P. [illegible] OMIIT 37:133-145 '62.

DIET

Diet of pregnant and nursing women. E.I.Kvater, M.S. [illegible] mat.i det. 7 no.6:65-70 Je '62.

DIET IN DISEASE

Diet in repeated examinations of the feces for occult blood in peptic ulcer. A.A.Krylov. Vop.pit. 21 no.5:32-33 S-O '62.

Effect of diet and food tests (proteins, fats and carbohydrates) on cardiac activity in patients with coronary sclerosis in combination with hypertensive disease; based on vectocardiographic data. V.A.Trangelzer. Vop.pit. 21 no.5:9-13 S-O '62.

Review of a practical manual on dietetic therapy. E.IA. Ratte. Vop.pit. 21 no.5:89-90 S-O '62.

Therapeutic diet in chronic colites accompanied by secondary stomach disorders. E.B.Vygodner, L.A. Terent'eva. Vop.pit. 21 no.5:3-8 S-O '62.

DIETARIES

Review of a practical manual on dietetic therapy. E.IA. Ratte. Vop.pit. 21 no.5:89-90 S-O '62.

State of the secretory function of the intestine in dogs in experimental radiation sickness after administration of different diets [with summary in English]. M.F. Nesterin. Vop.pit. 21 no.6:27-33 N-D '62.

DIFFERENCE EQUATIONS

Applicability of the drift method [with summary in English]. H.D.Maistrovs'kyi. Dop.AN URSR no.4:440-4[illegible] '64.

Comparison characteristics of regular difference equations. A.V.Ivanov. Trudy Mat.inst. 70:59-115 '64.

Correctness of difference problems. Ta Van Din'. Dop. AN URSR no.3:308-312 '64.

Effective estimates of the error involved in solutions by the method of difference of the Dirichlet problem for the Laplace equation on polygons. E.A.Volkov. Dokl. AN SSSR 155 no.4:735-736 Ap '64.

Use of the method of finite differences in solving boundary value problems on Riemann surfaces. G.D.Merzliakova. Dokl.AN SSSR 156 no.3:507-509 '64.

DIFFERENTIAL CALCULUS see Calculus, Differential

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL EQUATIONS

Analysis of certain fundamental types of complex equilibrium states in three-dimensional space. R.M.Mints. Mat.sbor. 63 no.2:169-214 F '64.

Approximate integration of gas dynamics equations. F.N.IAsinskii. Inzh.-fiz.zhur. 7 no.3:105-110 Mr '64.

Cauchy problem in the large for nonlinear equations and certain first-order quasilinear systems with several variables. S.N.Kruzhkov. Dokl.AN SSSR 155 no.4: 743-746 Ap '64.

Derivation of solutions of the Y-O order to differential equations of the first order. E.I.Grudo. Dokl.AN BSSR 8 no.1:13-17 Ja '64.

Effect of external periodic forces on monofrequent vibrations in systems with many degrees of freedom [with summary in English]. N.IE.Stoliars'ka. Dop.AN URSR no.2:155-158 '64.

El'sgol'ts, L.E. [Introduction to the theory of differential equations with retarded argument] Vvedenie v teoriiu differentsial'nykh uravnenii s otklonialushchimsia argumentom. Moskva, Izd-vo "Nauka," 1964. 127 p.

Equations of motion for controlled mechanical systems. V.I.Kirgetov. Prikl.mat.i mekh. 28 no.2:232-241 Mr-Ap '64.

Errors of the method of difference for second-order elliptic equations. M.S.Inerbaev. Vest.AN Kazakh. SSR 19 no.11:93-96 N '63.

Evaluations of solutions of a nonstationary linearized system of Navier - Stokes equations. V.A.Solonnikov. Trudy Mat.inst. 70:213-317 '64.

First boundary value problem for a class of hypoelliptic equations. V.P.Mikhailov. Mat.sbor. 63 no.2:238-264 F '64.

First boundary value problem for certain differential equations with constant coefficients. S.G.Ovsepian. Dokl.AN SSSR 155 no.3:524-527 Mr '64.

First boundary value problem for elliptic equations degenerate at the domain boundary. A.Narchaev. Dokl.AN SSSR 156 no.1:28-31 My '64.

General boundary value problem with a shift for a second-order elliptic equation. R.A.Kordzadze. Dokl.AN SSSR 155 no.4:739-742 Ap '64.

General condition for the stability of higher correlation functions in a plasma. S.V.Iordanskii, A.G.Kulikovskii. Dokl.AN SSSR 156 no.1:35-37 My '64.

Generalization of Liapunov's second method. I.V. Livartovskii. Izv.vys.ucheb.zav.; mat. no.1:87-95 '64.

Generalization of Lommel' solutions [with summary in English]. A.D.Kovalenko. Dop.AN URSR no.4:442-446 '64.

Group classification of equations describing one-dimensional unsteady gas flows. K.P.Surovikhin. Dokl.AN SSSR 156 no.3:533-536 '64.

Hölder continuity of generalized solutions to a certain class of quasi-linear systems. A.P.Oskolkov. Trudy Mat.inst. 70:116-132 '64.

Kozhukhov, P.S. [Ordinary differential equations] Obyknovennye differentsial'nye uravneniia. Pod red. I.A. Brina i E.D.Solomentseva. Moskva, Mosk. energeticheskii in-t, 1963. 121 p.

[MICROFILM]

Mixed problem for certain hyperbolic systems. Z.O. Mel'nyk. Dop.AN URSR no.3:314-318 '64.

New method for defining Liapunov's functions. V.I. Antypenko. Avtomatyka 9 no.2:71-75 '64.

One particular solution to certain equations in the theory of ideal elasticity. M.A.Zadoian. Dokl.AN SSSR 156 no.1:38-39 My '64.

A partial differential-functional equation. V.R.Petukhov. Izv.vys.ucheb.zav.; mat. no.1:96-99 '64.

Possible rate of decrease of the solution to an elliptic equation. M.L.Gerver. Dokl.AN SSSR 156 no.1:13-16 My '64.

A priori evaluations for second-order parabolic equations. V.A.Solonnikov. Trudy Mat.inst. 70:133-212 '64.

Problem with data on the degeneration line for systems of hyperbolic equations. S.A.Tersenov. Dokl.AN SSSR 155 no.2:285-288 Mr '64.

Riemann - Hilbert's problem for a system of equations degenerate at the boundary. S.A.Tersenov. Dokl.AN SSSR 155 no.3:538-541 Mr '64.

Solution of the nonlinear equation of percolation with the aid of an electrohydrodynamic analogy integrator. V.T. Chornoval. Dop.AN URSR no.3:293-295 '64.

Stability in the large of stochastic systems. I.IA.Kats. Prikl.mat.i mekh. 28 no.2:366-372 Mr-Ap '64.

Steady-state resonance modes of certain rotary motions. B.I.Morgunov. Dokl.AN SSSR 155 no.2:277-280 Mr '64.

Study of the solutions to a system of n + m nonlinear differential equations in the vicinity of an integral manifold [with summary in English]. O.B.Lykova. Ukr. mat.zhur. 16 no.1:13-30 '64.

Test of the finiteness of the number of discrete levels introduced into the lacunae of a continuous spectrum by the perturbations of the periodical potential. F.S. Rofe-Beketov. Dokl.AN SSSR 156 no.3:515-518 '64.

Theorem of existence in the large for a nonlinear system and the deficiency index of a linear operator. A.Povzner. Sib.mat.zhur. 5 no.2:377-386 Mr-Ap '64.

Two imbedding theorems for $L^{(1)}_{p,\theta}(\Omega\times R_+)$ space and their uses. V.R.Portnov. Dokl.AN SSSR 155 no.4: 761-764 Ap '64.

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

More precise definition of the results in the numerical integration of differential equations. N.A.Gol'tsov. Nauch.trudy MTILP no.26:264-269 '62.

DIFFERENTIAL EQUATIONS, LINEAR

Estimation of the error incurred in the asymptotic representation of solutions to a system of linear differential equations containing a parameter. S.F. Feshchenko, N.I.Shkil'. Ukr.mat.zhur. 16 no.1: 132-135 '64.

Linear differential equations with delays linearly dependent on the argument. K.G.Valeev. Sib.mat.zhur. 5 no.2:290-309 Mr-Ap '64.

DIFFERENTIAL EQUATIONS, NONLINEAR

Asymptotic integration of a system of nonlinear equations in the theory of plates. L.S.Srubshchik. Prikl.mat.i mekh. 28 no.2:335-349 Mr-Ap '64.

Asymptotic series in the theory of nonlinear systems of ordinary differential equations [with summary in English]. O.V.Kostin. Dop.AN URSR no.4:461-464 '64.

Existence of a regular solution to a system of nonlinear differential equations of first order in the vicinity of a singular point [with summary in English]. M.H. Mirak'ian. Dop.AN URSR no.4:454-457 '64.

Nonlinear systems of the second order. A.V.Dragilev. Mat.sbor. 63 no.2:309-320 F '64.

Periodic solutions to nonlinear vibrational systems with one degree of freedom. V.I.Voitokov. Izv.vys.ucheb. zav.; mat. no.1:19-27 '64.

Single-valued solutions to nonlinear first-order differential equations and some properties of real periodic solutions. A.V.Kostin. Ukr.mat.zhur. 16 no.1:110-115 '64.

Study in the large of the solutions to a certain class of nonlinear differential equations [with summary in English]. S.I.Miron. Dop.AN URSR no.2:169-173 '64.

DIFFERENTIAL EQUATIONS, PARTIAL

Convergence of the integral relations method. V.V. Bobkov. Dokl.AN BSSR 8 no.1:5-9 Ja '64.

Determining the type of Chaplygin solutions to the Cauchy problem for a quasi-linear first-order partial differential equation. V.S.Blinchevskii. Mat.sbor. 63 no.2: 265-276 F '64.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFUSERS

Calculation of losses in continuous conical diffusers. A.E.Zarlankin. Izv.vys.ucheb.zav.; energ. 7 no.1: 69-76 Ja '64.

DIFFUSION

(see also subdivision under Black Sea)

Bokshtein, S.Z., ed. [Diffusion processes, structure and properties of metals; collected articles] Protsessy diffuzii, struktura i svoistva metallov; sbornik statei. Moskva, Mashinostroenie, 1964. 188 p.

Determination of diffusion coefficients of metals in amalgams [with summary in English]. N.G.Chovnyk, V.V.Vashchenko. Zhur.fiz.khim. 37 no.3:530-5[illegible] Mr '63.

Diffusion and thermodynamic characteristics of nickel-chromium alloys. G.B.Fedorov, E.A.Smirnov, F.I. Zhomov. Met.i metalloved.chist.met. no.4:110-121 '63.

Diffusion in the critical fluid - vapor region. L.A.[illegible]. Inzh.-fiz.zhur. 7 no.3:78-81 Mr '64.

Diffusion of a cloud moving in a medium of variable density. N.P.Mar'in. Inzh.-fiz.zhur. 7 no.3:97-104 Mr '64.

Diffusive penetration of uranium into molybdenum from a uranium-niobium-zirconium alloy. G.B.Fedorov, F.I.Zhomov. Met.i metalloved.chist.met. no.4:64-[illegible] '63.

Extension of Fick's equation in case of thermal diffusion. V.I.Rozenberg, N.V.Starostin. Trudy Giprotsement no.26:103-105 '63.

Mechanism and kinetics of the growth of negative crystals (pores) during interdiffusion in alkali metal halide single crystals of the system KCl - KBr. IA.E.Geguzin, V.I.Solunskii, IU.S.Kaganovskii. Kristallografiia 9 no.2:248-254 Mr-Ap '64.

Possible influence of the diffusion flow of reaction products from the flame on the decomposition of the condensed phase. O.I.Leipunskii. Dokl.AN SSSR 155 no.4:897-899 Ap '64.

Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer [with summary in English]. V.N.TSvetkov and others. Vysokom. soed. 6 no.1:60-75 Ja '64.

Value of zirconium self-diffusion parameters. G.B. Fedorov. Met.i metalloved.chist.met. no.4:34-40 '63.

DIFFUSION COATINGS

Studying the diffusion of carbon and molybdenum in chromium. P.L.Gruzin, S.V.Zemskii, I.B.Rodina. Met.i metalloved.chist.met. no.4:243-250 '63.

DIGENES ACRITAS (EPIC POEM)

Syrkin, A.IA. [Poem on Digenes Acritas] Poema o Digenise Akrite. Moskva, Izd-vo "Nauka," 1964. 230 p.

DIGESTION

Developing Pavlov's method of studying the physiology of digestion in farm animals [with summary in English]. P.I.Zherebtsov, V.F.Vrakin. Izv.TSKHA no.1:77-88 '60.

Digestibility of ration nutrients by pregnant sows at various feeding rates of sugar beets. A.P.Pyl'nikava. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:95-98 '64.

Effect of feeds on the splitting of cellulose in the rumen of sheep. V.A.Moiseev. Trudy Inst.fiziol.AN Kazakh. SSR 5:25-32 '63.

Effect of the silage type of feeding on the digestion and metabolism in lactating cows. N.A.IAtsko. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:88-94 '64.

Effect of the thyroid gland on digestive processes in the duodenum of sheep. R.M.Trofimova. Trudy Inst. fiziol.AN Kazakh.SSR 5:46-52 '63.

Infusorians in the rumen of buffaloes and their digestive role. M.A.Mekhtiev, K.M.Akperov. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.5:89-93 '63.

Rate of the digestion of food in roach and sazan larvae [with summary in English]. O.I.Kudryns'ka. Dop. AN URSR no.4:534-536 '64.

Some data on the digestion of feed carbohydrates in the digestive tract of sheep. V.A.Moiseev. Trudy Inst. fiziol.AN Kazakh.SSR 5:19-24 '63.

Specificity of chyme of the small intestine in various ruminant species. L.V.Gorokhova, A.V.Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 5:10-14 '63.

DIGESTION (Continued)

Transfusion of chyme from the duodenum of one animal into another animal. N.V.Bazanova, K.T.Tashenov. Trudy Inst.fiziol.AN Kazakh.SSR 5:5-9 '63.

DIGESTIVE ENZYMES

Comparative data on the enzymic activity of the intestinal juice and excrement in experimental stomach ulcers in dogs. A.N.Vazin, M.N.Bartenova. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:49-53 '62.

Effect of different stimuli of intestinal secretion on the enzymic activity of the contents of the small human intestine. A.N.Vazin. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:39-48 '62.

The effect of rickets and hypotrophy on the enzymatic function of the digestive system in pneumonia in children [with summary in English]. A.G.Gracheva. Pediatriia 42 no.9:51-54 S '63.

DIGESTIVE ORGANS

Radiotelemetric study of the pH in the digestive tract. E.B.Babskii and others. Dokl.AN SSSR 155 no.1:222-224 My '64.

DIGESTIVE ORGANS—SECRETIONS

Reflex interrelationships between the activity of the digestive system and mammary glands in lactating animals. K.T.Tashenov. Trudy Inst.fiziol.AN Kazakh.SSR 5:59-73 '63.

DILATOMETRY

Dilatometric measurements of glasses. V.S.Kheifets. Zav.lab. 30 no.5:573-575 '64.

DIMENSIONAL ANALYSIS

Determining dimensional series of parts. M.L.Ratner. Standartizatsiia 28 no.3:55-57 Mr '64.

Determining the indices for a criterional equation when there is insufficient amount of experimental data. L.S. Abramzon, S.G.Edigarov. Transp.i khran.nefti i nefteprod. no.3:3-5 '64.

DIMETHYLAMINE

Kinetics of the thermal decomposition of N,N-dimethylnitroamine. B.L.Korsunskii, F.I.Dubovitskii. Dokl. AN SSSR 155 no.2:402-405 Mr '64.

DIMITROV, GEORGI, 1882-1949

Kalchev, Kamen. [Son of the working class; fictionalized biography of Georgi Dimitrov] Syn robitnychnoho klasu; romanizovana biografiia Heorhiia Dymytrova. Kyiv, Molod', 1964. 230 p.

New information on Georgi Dimitrov's activity in the emigration. G.I.Cherniavskii. Vop.ist.KPSS 8 no.5:64-65 My '64.

DIODES

Tarasov, F.I. [Kenotrons] Kenotrony. Moskva, Izd-vo "Energiia," 1964. 15 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no.501)

DIOPTASE

Nature of the thermal effect of dioptase. N.V.Logvinenko, M.G.Berger, G.I.Kulesko. Dokl.AN SSSR 155 no.4:825-829 Ap '64.

DIOXANE

High-frequency titration. Report No.10: Titration of acids in dioxane-aqueous media [with summary in English]. V.A.Zarinskii, I.A.Gur'ev. Zhur.anal. khim. 19 no.1:37-42 '64.

DIPHENHYDRAMINE—PHYSIOLOGICAL EFFECT

Effect of magnesium sulfate and dimedrol on the rate of blood coagulation and on arterial pressure following experimental hypoprothrombinemia. G.V.Kochetkova. Nauch.trudy SamMI 21:213-219 '62.

DIPHENYLAMINE

Filtration of a paraoxydiphenylamine solution in aromatic solvents. I.V.Rozhkov, K.V.Rybakov. Nefteper.i neftekhim. no.4:21-24 '64.

Technic of the diphenylamine test. M.Kh.Khazanov. Lab.delo 8 no.9:44-46 S '62.

DIPHTHERIA

Changes in the nervous apparatus of human skeletal muscles in diphtheria. A.T.Tilliaev, D.A.Musaeva. SamMI 21:83-88 '62.

Characteristics of the bacterial carrier state in experimental ocular diphtheria caused by corynebacterium diphtheriae in association with pathogenic cocci. Report No.1: Dynamics of the isolation of diphtheria bacteria, pseudo-diphtheria bacteria and diphtheroids [with summary in English]. E.V.Bakulina. Zhur.mikrobiol., epid.i immun. 40 no.4:11-16 Ap '63.

Chemotherapy in diphtheria; annotation. L.R.Kolomoitsev. N.I.Geonia, A.K.Sheikman. Zhur.mikrobiol.,epid.i immun. 40 no.4:56 Ap '63.

Data on the reactogenicity of pertussis-diphtheria-tetanus vaccine. R.V.Gordina and others. Zhur.mikrobiol., epid.i immun. 40 no.9:14-18 S '63.

Effectiveness of new phosphorus organic substances in the treatment of diphtheria. N.P.Kudriavtseva, I.V. Zaikonnikova, L.S.Afonskaia. Kaz.med.zhur. no.6:41-44 N-D '62.

Indices of antidiphtheria immunity in children having previously had measles or whooping cough, based on the Schick and indirect hemagglutination reactions [with summary in English]. M.S.Lenkina, I.S.Zhdanov. Zhur.mikrobiol.,epid.i immun. 40 no.4:16-19 Ap '63.

Late cardiovascular disorders in diphtheria [with summary in English]. V.S.Ushakova. Vop.okh.mat.i det. 7 no.6:22-26 Je '62.

Method of gathering material in the diagnosis of diphtheria. L.V.Skavinskaia. Zdrav.Turk. 7 no.12:32-33 D '63.

Morphological changes in the neural apparatus of the aorta in diphtheria. V.I.Galkin. Sbor.nauch.rab.IAr. med.inst. no.18:173-184 '59.

A new method for taking material for detecting carriers of diphtheria bacteria. L.I.Kartushina and others. Lab.delo 8 no.7:44-46 Jl '62.

Pathomorphology of the neural apparatus of carotid arteries in diphtheria. V.I.Galkin. Sbor.nauch.rab.IAr. med.inst. no.18:75-83 '59.

Pathomorphology of the vegetative nervous system in diphtheria. V.I.Galkin. Sbor.nauch.rab.IAr.med.inst. no.18:84-104 '59.

Some immunity indices in corynebacterium diphtheriae carriers [with summary in English]. O.N.Kostiukovskaia. Zhur.mikrobiol.,epid.i immun. 40 no.4:20-22 Ap '63.

Use of dry quinosol medium for the microbiological diagnosis of diphtheria. G.G.Ezhova. Lab.delo no.3:168-169 '64.

Use of tissue culture in diphtheria diagnosis; annotation. Z.I.Galunina, L.M.Sheftel'. Zhur.mikrobiol.,epid.i immun. 40 no.4:54-55 Ap '63.

DIPHTHERIA—MICROBIOLOGY

Analysis of data on bacteriological diagnosis of diphtheria during a number of years. T.A.Sergeeva. Lab.delo no.3:190-192 '64.

Data on the pathogenesis of diphtheria. Report No.3: Microflora of the pharynx and nose and the clinical aspects of diphtheria [with summary in English]. IU.E. Kocherovskii. Zhur.mikrobiol.,epid.i immun. 40 no.4:23-26 Ap '63.

Microbiological diagnosis of diphtheria using a new culture medium. G.M.Shelest. Zhur.mikrobiol., epid.i immun. 40 no.9:52-54 S '63.

Results of the use of some new methods of bacteriological diagnosis of diphtheria in practical laboratories [with summary in English]. IU.M.Kriukov and others. Zhur.mikrobiol., epid.i immun. 40 no.9:54-57 S '63.

DIPHTHERIA—PREVENTIVE INOCULATION

Comparative study of immunological changes in revaccination with pertussis and pertussis-diphtheria vaccine [with summary in English]. E.A.Mamaeva and others. Zhur.mikrobiol., epid.i immun. 40 no.9:10-14 S '63.

Compound immunization by pertussis-diphtheria-tetanus and smallpox vaccines [with summary in English]. S.A. Usmanova. Zhur.mikrobiol., epid.i immun. 40 no.9:30-36 S '63.

Experimental study of combined vaccine for active immunization against scarlet fever, diphtheria, whooping cough and tetanus [with summary in English]. P.V. Pavlov and others. Zhur.mikrobiol., epid.i immun. 40 no.9:3-10 S '63.

Reactogenicity and immunological effectiveness of the pertussis-diphtheria-tetanus vaccine. G.V.Ignat'eva. Zhur.mikrobiol., epid.i immun. 40 no.9:134-135 S '63.

Study of the reactogenicity of the combined whooping cough and diphtherial vaccine. Z.L.Gol'zand and others. Sbor.nauch.rab.Arkh.IEMG no.4:49-56 '60.

DIPHTHERIA ANTITOXIN

Effect of ultrasonic waves on whooping cough vaccine and diphtheria anatoxin; annotation. G.F.Maiorova, N.A. Borodiiuk. Zhur.mikrobiol.,epid.i immun. 40 no.4:56 Ap '63.

Some immunity indices in corynebacterium diphtheriae carriers [with summary in English]. O.N.Kostiukovskaia. Zhur.mikrobiol.,epid.i immun. 40 no.4:20-22 Ap '63.

Study of the immunogenic properties of sorbed diphtheria-tetanus anatoxin [with summary in English]. I.K. Dzhavrova, N.I.Apanashchenko, N.S.Kashintseva. Zhur.mikrobiol., epid.i immun. 40 no.9:57-61 S '63.

DIPLOCOCCUS

Treatment of chinga with a specific diplococcal serum. Report No.4. M.IA.Alfer'eva, G.V.Popov. Sbor.nauch. rab.Arkh.IEMG no.4:72-76 '60.

DIPLOMATS—CORRESPONDENCE, REMINISCENCES, ETC.

From the memoirs of an American diplomat. R.Murphy. Mezhdunar.zhizn' 11 no.5:123-134 My '64.

DIPOLE MOMENTS

Phenomenological theory of electric and magnetic dipole structures. V.N.Liubimov. Izv.AN SSSR.Ser.fiz. 28 no.4:626-629 Ap '64.

Spatial symmetry of electric and magnetic dipole structures. V.N.Liubimov. Izv.AN SSSR.Ser.fiz. 28 no.4:658-659 Ap '64.

DIRECT CURRENT ELECTRIC MOTORS see Electric motors, Direct current

DIRICHLET'S SERIES see Series, Dirichlet's

DISABILITY EVALUATION

(see also subdivision under Moscow; Semipalatinsk)

Blindness. O.Bazilevich. Sots.obesp. 25 no.4:26-27 Ap '64.

Disease that has its own special characteristics. M.Tepina. Sots.obesp. 25 no.4:30-31 Ap '64.

Effect of repeated disease on the morbidity rate with temporary disability and experience in their elimination. G.A.Pushin. Sov.zdrav. 22 no.8:34-37 '63.

Fogel'son, L.I. [Work capacity and indications for job placement in diseases of the cardiovascular system; scientific methodological fundamentals] Trudosposobnost' i pokazaniia k trudoustroistvu pri zabolevanii serdechno-sosudistoi sistemy; nauchno-metodicheskie osnovy. Moskva, Meditsina, 1964. 243 p.
(DNLM)

DISEASES—CAUSES AND THEORIES OF CAUSATION

Discussion on I.V.Davydovskii's book "Problems of causality in medicine (etiology)." O.V.Kerbikov. Eksper.khir.i anest. 8 no.4:90-92 Jl-Ag '63.

DISINFECTION AND DISINFECTANTS

(see also subdivision under Leningrad)

Mikhel'son, G.A., ed. [Manual on chamber disinfection] Rukovodstvo po kamernoi dezinfektsii. [By] A.N. Karaseva i dr. Moskva, Meditsina, 1964. 207 p.

DISLOCATIONS IN CRYSTALS

Contemporary ideas concerning the rupture of a solid. G.K.Martyniuk. Nauch.soob.IGD 22:32-43 '63.

Effect of dislocations on the temperature characteristics of the polymorphic transformation of cristobalite. B.IA.Sukharevskii, S.V.Lysak. Dokl.AN SSSR 155 no.3:615-616 Mr '64.

Ideally brittle bodies. M.IA.Leonov. Izv.AN Kir.SSR. Ser.est.i tekh.nauk 5 no.6:135-137 '63.

Scanning camera for studying dislocations. V.G.Fomin and others. Prib.i tekh.eksp. 9 no.2:176-177 Mr-Ap '64.

Spreading of dislocations in irradiated crystals. I.G. Berzina, I.B.Berman. Kristallografiia 9 no.2:260-264 Mr-Ap '64.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERLY CONDUCT see subdivision under Abay

DISORDERS OF LOCOMOTION see Locomotion, Disorders of

DISSERTATIONS, ACADEMIC see subdivision under Lvov

DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

DISSOCIATION

Calculating the temperature dependence of the relaxation time of the dissociation rate of magnesium sulfate in fresh and sea water. V.P.Glotov. Akust.zhur. 10 no.1:40-47 '64.

Methodology of measuring the dissociation cross sections of fast H_2^+ ions passing through gaseous targets. B.N.Makov, L.I.Elizarov, E.A.Dmitriev. Prib.i tekh.eksp. 9 no.2:126-127 Mr-Ap '64.

Strength of acids in hexyl and tertiary butyl alcohols. N.V.Lichkova, V.I.Dulova. Izv.vys.ucheb.zav.: khim.i khim.tekh. 7 no.1:10-14 '64.

DISTANCES—MEASUREMENT

General parallactic scheme of indirect methods of distance measurement and its geometrical interpretation [with summary in English]. O.S.Makar. Dop.AN URSR no.4:488-491 '64.

DISTILLATION

Concentration of higher alcohols during the rectification of ethyl alcohol. B.D.Metiushev. Trudy KTIPP no.27:75-86 '63.

Continuous distillation of oil shale tars under atmospheric pressure. E.E.Feofilov and others. Khim.i tekh.gor. slan.i prod.ikh perer. no.10:200-216 '62.

Continuous distillation of shale tars and phenols on a pilot device. S.S.Semenov and others. Trudy VNIIT no.11:134-143 '62.

Diagrams of the heat exchange in the evaporator for molasses stillage. S.M.Konstantinov. Izv.vys.ucheb. zav.; pishch.tekh. no.2:114-116 '64.

Preparing oil shale tar for distillation. V.V.Sheloumov and others. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:174-190 '62.

Selecting parameters for the monitoring and controlling the quality of petroleum products. M.I.Shpunt. Nefteper.i neftekhim. no.3:36-40 '64.

DISTILLATION—TABLES, CALCULATIONS, ETC.

Equilibrium of a water-alcohol-sugar solution with its vapor at boiling temperature. S. E. Kharin, V. M. Perelygin. Izv. vys. ucheb. zav.; pishch. tekh. no. 2: 101-105 '64.

DISTILLATION, DESTRUCTIVE

Pilot plant for the two-stage destructive vacuum distillation of oil residues. B. K. Amerik and others. Trudy GrozNII no. 15:59-67 '63.

DISTILLATION, FRACTIONAL

Certain problems of the thermodynamics of multicomponent heterogeneous systems. Part 6 [with summary in English]. A.V.Storonkin, N.A.Smirnova. Zhur.fiz. khim. 37 no.3:601-607 Mr '63.

Principles of the automatic control of the separation of homogeneous liquid and gas mixtures. E.IA. Susanov, IU. A. Alekseev. Trudy KF VNII no. 8:60-79 '62.

Rectification kinetics of binary mixtures [with summary in English]. V. A. Dozorov, G. G. Deviatykh, IU. E. Elliev. Zhur. fiz. khim. 36 no. 11:2413-2418 N '62.

Studying the purification by rectification of methylphenyldichlorosilane with the method of radioactive indicators. A. A. Efremov, IA. D. Zel'venskii. Khim. prom. no. 3: 201-207 Mr '64.

Thermal decomposition of trichloromethyltrichlorosilane. G.V.Motsarev, V.R.Rozenberg. Zhur.prikl.khim. 37 no.4:747-749 Ap '64.

Thermodynamics of the separation of binary and multicomponent systems. E.IA.Susanov. Trudy KF VNII no. 8:5-43 '62.

DISTILLATION APPARATUS

Distillation of chamber tar in an experimental atmospheric and vacuum distillation unit. G. V. Sipovskii and others. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:190-199 '62.

Economic effectiveness of the use of a DU-1 vapor tension controller in a system for stabilizing gasoline. IU.S. Leitman and others. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:101-104 '64.

Industrial engineering of the production of distilled naphthenic acids. M. G. Shikhi-Zade. Azerb. neft. khoz. 43 no. 4:39-41 Ap '64.

Operation indices and the evaluation of certain methods for designing rectifying columns for industrial petroleum refining. IU. I. Kozorezov and others. Trudy GrozNII no. 15:148-164 '63.

Shale distillation generators with transverse heat-carrier flow. V. M. Efimov, S. K. Doilov. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:120-134 '62.

DISTILLATION APPARATUS—CORROSION

Reducing the corrosion on the apparatus of atmospheric still units. V. F. Negreev, Kh. K. Dadashev, M. F. Skvortsova. Nefteper. i neftekhim. no. 11:46-48 '63.

DISTILLING INDUSTRIES

Mash souring in ripe beer. K. G. Danilov, V. L. IArovenko. Trudy TSNIISP no. 13:25-29 '62.

DISTILLING INDUSTRIES—BY-PRODUCTS

Utilization of the cellular juice of potatoes in the combined production of starch and alcohol. V. L. IArovenko and others. Trudy TSNIISP no. 13:3-10 '62.

DISTRIBUTIVE EDUCATION

Brief news. Sov. torg. 37 no. 4:60-63 Ap '64.

Improve distributive education. S. Rodin. Sov. torg. 37 no. 4:23-25 Ap '64.

DITILIN

Ditilin in the castration of swine. V. P. Nebliubin, I. A. Rud'. Veterinariia 40 no. 10:46 O '63.

DIURETICS AND DIURESIS

Correlation of arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med.inst. 15:153-155 '62.

Effect of ephedrine and caffeine on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med.inst. 15:156-159 '62.

Effect of ephedrine on arterial pressure, diuresis and the composition of blood (quantity of water, chlorine and the hematocritic index) in dogs following a water and salt intake. IU.V.Khlynin. Nauch.trudy Riaz.med. inst. 15:161-164 '62.

Effect of sodium nitrite and pituitrin on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med. inst. 15:159-160 '62.

DIVISION OF LABOR

Division of communal labor in definite proportions. A. T. Mikhailov. Izv. LETI no. 40:194-204 '60.

Physical perfection is an inalienable trait of the harmoniously developed individual. E. I. Strigacheva. Vop. filos. 17 no. 12:54-58 '63.

DNEPROPETROVSK—TIRES, RUBBER

Automation and wages in the tire manufacturing industry. M.Horlachkin. Ekon.Rad.Ukr. no.2:49-51 Mr-Ap '64.

Improvement of the methods for the preparation of tread rubber compounds based on BR under the conditions of Dnepropetrovsk Tire Factory. A. P. Beleshov and others. Kauch.i rez. 23 no.3:5-9 Mr '64.

DNEPROPETROVSK—WAGES—RUBBER INDUSTRY WORKERS

Automation and wages in the tire manufacturing industry. M.Horlachkin. Ekon.Rad.Ukr. no.2:49-51 Mr-Ap '64.

DNEPROPETROVSK PROVINCE—EDUCATION, ELEMENTARY

Conference of the elementary school principals of Dnepropetrovsk Province. P. Cherednychenko. Rad. shk. 42 no. 2:112-3 of cover F '64.

DNEPROPETROVSK PROVINCE—FOOD

Content of cobalt in the most widely distributed food products of Dnepropetrovsk Province. E. N. Ripak. Vop. pit. 21 no. 5:85-86 S-O '62.

DNEPROPETROVSK PROVINCE—OTORHINOLARYNGOLOGY

Report on the activity of the Dnepropetrovsk Province Scientific Society of Otorhinolaryngologists for 1962. L. A. Lukovskii, A. A. Skvirskaia, D. S. Heskina. Zhur. ush., nos. i gorl. bol. 23 no. 6:93-97 N-D '63.

DNEPROPETROVSK PROVINCE—RABIES

Experience in the eradication of rabies in Dnepropetrovsk Province [with summary in English]. V. V. Levitov. Zhur. mikrobiol., epid. i immun. 40 no. 4:140-145 Ap '63.

DNIEPER-DONETS LOWLAND—CARBON

Distribution of organic carbon in the Middle and Upper Jurassic terrigenous sediments in the northwestern margin of the Donets Basin and the western part of the Dnieper-Donets Lowland. V. H. Kosmachov, A. A. Lahutin. Dop. AN URSR no. 3:372-375 '64.

DNIEPER-DONETS LOWLAND—GEOLOGY, STRUCTURAL

Role of salt masses in the formation of the Mesozoic structural plan as revealed by a study in the southeastern part of the Dnieper-Donets Lowland. A.A.Bilyk. Sov. geol. 7 no.4:114-119 Ap '64.

DNIEPER-DONETS LOWLAND—GEOLOGY, STRUCTURAL—MAPS

Map of the isodeformation of the Dnieper-Donets Lowland and its tectonic interpretation. N. G. Volkov. Dokl. AN SSSR 155 no. 5:1071-1074 Ap '64.

DNIEPER-DONETS LOWLAND—MAGNESIUM SALTS

Potassium and magnesium salts of the Dnieper-Donets Lowland. D. P. Khrushchov. Dop. AN URSR no. 3:375-377 '64.

DNIEPER-DONETS LOWLAND—POTASSIUM SALTS

Potassium and magnesium salts of the Dnieper-Donets Lowland. D. P. Khrushchov. Dop. AN URSR no. 3:375-377 '64.

DNIEPER-DONETS LOWLAND—SALT DEPOSITS

Role of salt masses in the formation of the Mesozoic structural plan as revealed by a study in the southeastern part of the Dnieper-Donets Lowland. A.A.Bilyk. Sov. geol. 7 no.4:114-119 Ap '64.

DNIEPER VALLEY—CHARNOKITES

Nalivkina, E. B. [Charnokites of the southwestern part of the Ukrainian Crystalline Massif and their genesis] Charnokity iugo-zapadnoi chasti Ukrainskogo kristallicheskogo massiva i ikh genezis. Moskva, Izd-vo "Nedra," 1964. 121 p.

DNIEPER VALLEY—FRESHWATER FLORA

Filling of floodplain bodies of water of the upper Dnieper with aquatic vegetation [with summary in English]. I.L.Korelіakova. Ukr.bot.zhur. 20 no.5:87-93 '63.

DNIEPER VALLEY—FOLDS (GEOLOGY)

Reflection of tectonic folding of the Ukrainian Crystalline Shield in the magnetic and gravity fields. G.K.Kushelev. Sov.geol. 7 no.4:75-87 Ap '64.

DNIEPER VALLEY—GEOLOGY

Some remarks on the geology of Mount Pivikha in the Dnieper Valley. A. A. Lazarenko. Biul. Kom. chetv. per. no. 28:56-64 '63.

DNIEPER VALLEY—GRAVITY ANOMALIES

Reflection of tectonic folding of the Ukrainian Crystalline Shield in the magnetic and gravity fields. G.K.Kushelev. Sov.geol. 7 no.4:75-87 Ap '64.

DNIEPER VALLEY—MAGNETIC ANOMALIES

Reflection of tectonic folding of the Ukrainian Crystalline Shield in the magnetic and gravity fields. G.K.Kushelev. Sov.geol. 7 no.4:75-87 Ap '64.

DNIEPER VALLEY—ORE DEPOSITS

Metallogeny of the Pre-Cambrian geosyncline of the Ukrainian Crystalline Shield. IA. N. Belevtsev. Izv. AN SSSR. Ser. geol. 29 no. 1:8-19 Ja '64.

Metallogeny of the Pre-Cambrian geosyncline of the Ukrainian Crystalline Shield. IA. N. Belevtsev. Izv. AN SSSR. Ser. geol. 29 no. 1:8-19 Ja '64.

DNIEPER VALLEY—XENOLITHS

Find of xenoliths of [illegible] rocks in a [illegible] dike of the Dnieper [illegible]. V. V. [illegible] Dokl. AN SSSR 156 no. [illegible] '64.

DNIESTER RIVER—FLOODS

Effect of the [illegible] Power Plant on the [illegible] Valley. [illegible]

DNIESTER VALLEY—MOLLUSKS, FOSSIL

New data on fossil mollusks in the middle Dniester Valley [with summary in English]. M. [illegible] Dop. AN URSR no. [illegible] '64.

DNIESTER VALLEY—POTTERY, PRIMITIVE

Settlements of the [illegible] Dniester Valley. [illegible] no. 2:[illegible] '64.

DNIESTER VALLEY—TERRACES (GEOLOGY)

Structure of [illegible] of the Dniester. [illegible]

DOBROLIUBOV, NIKOLAI ALEKSANDROVICH, 1836-1861

Literary view of [illegible] Voskhod. [illegible] Mr-Ap '64.

DOCUMENTARY FILMS see Motion pictures, [illegible]

DOGS—BREEDS AND [illegible] see [illegible] Alma-Ata

DOGS—TRAINING

Gusolomskii, V. V. [How to train a service dog at home] Kak vospitat' [illegible] 2. perer. i dop. izd. Alma-Ata, [illegible] 1964. 108 p.

DOLGANS

Origin of the Dolgans. [illegible] 141 '64.

DOMAIN STRUCTURE

Characteristics of the domain structure of [illegible] its dependence [illegible] magnetic field [illegible] intensity. L. V. Kirenskii and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Disturbance of the homogeneity of magnetization [illegible] within ferromagnetic domains. IA. S. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] '64.

Domain structure of [illegible] slight ferromagnetism. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] '64.

Domain structure of ferromagnetic crystals [illegible] "whiskers" and its variation [illegible] L. V. Kirenskii and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Ferromagnetic resonance in magnetically [illegible] crystals, and the domain structure. [illegible] G. I. Shirlaeva, IA. S. Shur. Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Fineness of the dimensions of a ferromagnetic [illegible] in the theory of domain structure. [illegible] R. V. Zakharov. Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Frequency dependence of the motion of [illegible] in barium titanate. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 4:[illegible] Ap '64.

Some dynamic properties and the domain structure of thin iron-nickel films. [illegible] and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Statistical phenomena due to periodic [illegible] ferroelectrics. L. A. Andreeva. Izv. AN SSSR. Ser. fiz. 28 no. 4:722-725 Ap '64.

Theory of the effective mass of domain boundaries in ferromagnetic materials. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 3:[illegible] Mr '64.

Theory of the oscillation of domain boundaries in ferroelectrics. D. G. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 4:703-707 Ap '64.

DON VALLEY—ARCHAEOLOGY

Archaeological excavations in the Don Valley. [illegible] Sov. arkheol. 8 no. 2:[illegible] '64.

DON VALLEY—SCYTHIAN ANTIQUITIES

A Scythian [illegible] from the upper Don Valley. [illegible] Sov. arkheol. 8 no. 2:[illegible] '64.

DONELAITIS, KRISTIJONAS, 1714-1780

Gineitis, Leonas. [Kristijonas Donelaitis and his times] Kristijonas Donelaitis ir jo epocha. Vilnius, Valstybinė politinės ir mokslinės lit-ros leidykla, 1964. [illegible] p. [In Lithuanian]

DONETS BASIN—CARBON

Distribution of organic carbon in the Middle and Upper Jurassic terrigenous sediments in the northwestern margin of the Donets Basin and the western part of the Dnieper-Donets Lowland. V. H. Kosmachov, A. A. Lahutin. Dop. AN URSR no. 3:372-375 '64.

[illegible]

[illegible]

DORMANCY IN PLANTS

[illegible]

[illegible]

DOUBLE INTEGRALS see Integrals, Multiple

DOUBLE REFRACTION see Refraction, Double

[illegible]

DOVZHENKO, OLEKSANDR PETROVYCH, 1894-1956

[illegible]

DRAINAGE

[illegible]

DRAINAGE—EQUIPMENT AND SUPPLIES see subdivision under Tractors

DRAINAGE, URBAN

[illegible]

DRAINAGE, SURGICAL

[illegible]

DRAMA—HISTORY AND CRITICISM

[illegible]

DRAWING

[Drawing and painting; a manual] Joonistamine ja maalimine opik. [By] Oskar Hamann [a]nd others. Tallinn, Eesti Raamat, 1963. 200 p. illus. [In Estonian]

DREIZIN, RAFAIL LAZAREVICH, 1869-1962

In memory of Rafail Lazarevich Dreizin. [illegible]

DRILLING AND BORING

[illegible]

Cheratchkin, [illegible] [illegible drilling and the machining of deep openings] [illegible] Moskva, Mashinostroenie, 1964. 230 p.

[illegible] [Equipment and technology of drilling wells; transactions] [illegible] Moskva, Izd-vo "Nedra," 1964. 230 p.

[illegible]

DRILLING AND BORING MACHINERY

[illegible]

DRILLING MUD, OIL WELL see Oil well drilling fluids

DRINKING WATER

[illegible], A. S. [The water we drink] [illegible] 1963. [illegible] p.

[illegible]

[illegible]

DROPS

[illegible]

DROWNING, RESUSCITATION FROM

[illegible] [Medical aid to victims of accidents in water] [illegible] Moskva, Izd-vo "DOSAAF," 1964. [illegible] p.

DRUG INDUSTRY

(see also subdivision under Italy)

[illegible]

DRUG INDUSTRY—EQUIPMENT AND SUPPLIES

[illegible]

DRUG INDUSTRY—QUALITY CONTROL

[illegible]

DRUGS

[illegible]

DRUGS—ADULTERY AND ANALYSIS

From the experience of the control and analysis laboratory. P.P.[illegible]. Apt.delo 11 no.5:30-34 S-O '62.

DRUGS—PRESERVATION

Preservation of bacterial preparations in medical and obstetrical stations and rural hospitals. IA.N.Vorobeichik, I.F.Bolcholov. Zdrav.Bel. 9 no.6:76 Je '63.

DRUZHININ, NIKOLAI MIKHAILOVICH, 1886-

Deserved gratitude. Vop.ist. 39 no.5:120-121 My '64.

DRYING

Approximate method for calculating the heating kinetics for moist material in a fluidized bed under fluctuating temperature conditions. L.S.Slobodkin. Inzh.-fiz. zhur. 7 no.3:21-26 Mr '64.

Effect of the drying method chosen for peat insulating slabs on the drying efficiency. I.L.Liuboshits, P.S. Kots. Inzh.-fiz.zhur. 7 no.3:17-20 Mr '64.

A useful book. L.Kamienskii. NTO 6 no.4:55 Ap '64.

DRYING APPARATUS

"Calculation and design of drying apparatus" by P.D. Lebedev. Reviewed by S.G.Bespalov. Izv.vys.ucheb. zav.; energ. 7 no.1:113-114 Ja '64.

Review of P.D.Lebedev's book "Calculation and design of drying apparatus." Izv.vys.ucheb.zav.; energ. 7 no.1:111-112 Ja '64.

Transducer for monitoring the operation of superheated solution atomizers in drying apparatus. B.I.Leonchik, M.V.Lykov. Izv.vys.ucheb.zav.; energ. 7 no.4:102-104 Ap '64.

DRYING APPARATUS—FOOD

Drying system for the dehydration of meat products. V.M.Gorbatov, N.I.Sukharev. Trudy VNIIMP no.15: 98-111 '63.

DUCKS—DISEASES AND PESTS

(see also subdivision under **Alma-Ata Province**)

Viral influenza in ducklings. M.T.Prokof'eva, E.I. Gurova, P.F.TSimokh. Veterinariia 40 no.10:33-35 O '63.

DUCTUS ARTERIOSUS

Bacterial endarteritis of the patent ductus arteriosus (Botallo's) in children. N.G.Zernov. Khirurgiia no.1:18-23 '63.

Surgical treatment of a patent ductus arteriosus complicated by pulmonary hypertension. M.V.Murav'ev and others. Khirurgiia no.1:12-18 '63.

DUDARKOV (KIEV PROVINCE)—PALEOBOTANY, STRATIGRAPHIC

Stratigraphy and spore and pollen investigations of the Plav Bog deposits. O.T.Artiushenko, L.F.Kucheriava. Ukr.bot.zhur. 21 no.2:70-77 '64.

DUMPING SYNDROME

Surgical treatment of severe dumping syndrome following gastrectomy for cancer developed from polyps. R.K. Kharitonov. Khirurgiia 39 no.6:117-119 Je '63.

DUODENUM

Methodology of examining the lipolytic activity of the blood serum, urine and duodenal contents. V.A.Protsenko, N.G.Plotnikova. Lab.delo no.5:288-291 '64.

Polyfistulous methods for studying the relation between pancreas and duodenum. V.I.Galakhov. Uch.zap. Orlov.gos.ped.inst. 18:124-130 '63.

DUODENUM—ABNORMITIES AND DEFORMITIES

Congenital stenosis of the duodenum. E.A.Pavlova. Vest.khir. 90 no.5:120 My '63.

DUODENUM—BLOOD SUPPLY

Venous blood supply of the duodenum and the head of the pancreas. N.A.Ibadov. Nauch.trudy SamMI 21:55-56 '62.

DUODENUM—CANCER

Primary cancer of the duodenum. M.G.Khanin, R.I. Kaem. Khirurgiia 39 no.6:130-131 Je '63.

Some problems in the diagnosis of cancer in the area of the head of the pancreas [with summary in English]. N.S.Makokha. Vest.khir. 90 no.5:35-41 My '63.

DUODENUM—DISEASES

"Diseases of Vater's papilla" by V.V.Vinogradov. Reviewed by B.A.Korolev, D.L.Pikovskii. Khirurgiia 39 no.6:142 Je '63.

DUODENUM—INNERVATION

Exclusion of the duodenal receptors by means of tetracaine. V.I.Galakhov. Nauch.trudy Riaz.med.inst. 15:7-11 '62.

Qualitative characteristics of the effect of tetracaine on the duodenal receptor apparatus. V.I.Galakhov. Nauch. trudy Riaz.med.inst. 15:11-15 '62.

Role of duodenum receptors in the exocrinous function of the pancreas. V.I.Galakhov. Uch.zap.Orlov.gos.ped. inst. 18:111-118 '63.

DUODENUM—OBSTRUCTIONS

Duodenal obstruction in cancer of the pancreas [with summary in English]. L.A.Ender. Vest.khir. 90 no.5: 45-52 My '63.

DUODENUM—SURGERY

Surgical treatment of severe dumping syndrome following gastrectomy for cancer developed from polyps. R.K. Kharitonov. Khirurgiia 39 no.6:117-119 Je '63.

DURA MATER—INNERVATION

Extracranial sources of innervation of the cerebral dura mater [with summary in English]. V.V.Anisimova-Aleksandrova. Arkh.anat.,gist.i embr. 43 no.12:36-41 D '62.

DURA MATER—RADIOGRAPHY

Experimental intraosseous diploë- and sinusography. A.A.Telegina. Eksper.khir.i anest. 7 no.4:12-16 Jl-Ag '62.

DURAND, EMILE, 1838-1900

Emile Durand's views of Taras Shevchenko. F.P.Pohrebennyk. Rad.lit. 5 no.2:116-120 Mr-Ap '64.

DUSHANBE—BOTTLING MACHINERY

Improvement of automatic washing and bottling machines at the Stalinabad Brewing Plant. A.I.Batsman. Sbor. nauch.-tekh.inform. no.3:30-32 '60.

DUSHANBE—INFLUENZA

Influenza in Stalinabad. E.N.Slovokhotova. Vop.med. virus. no.5 pt.2:59-61 '58.

DUSHANBE—MEAT INDUSTRY

Introduction of the method of a fast corning of meat, tongues and smoked articles at the Stalinabad Canned Meat Works. S.D.Naberezhnova. Sbor.nauch.-tekh. inform. no.3:9-10 '60.

DUSHANBE—SERVICE INDUSTRIES

A good humor service; our inspection in Dushanbe. Nar. khoz.Sred.Az. 1 no.2:87-90 F '64.

DUST

Intercontinental transfer of dust by jet stream. A.D. Zamorskii. Meteor.i gidrol. no.4:33-35 Ap '64.

DUST COLLECTORS

Great plan of work on removing dust from production processes. V.A.Kambulov. TSement 30 no.2:21 Mr-Ap '64.

Pneumatic method of feeding into a kiln beyond a continuous curtain of dust caught by electric filters. B.A.Petrov. TSement 30 no.2:17-19 Mr-Ap '64.

Production of local binding material from dust from rotary kiln electrostatic precipitators. IU.A.Spesivtsev. Stroi.mat. 9 no.8:18-19 Ag '63.

Radioactive level gage. L.A.Korol'kov. Trudy VNIING no.2:101-102 '63.

Wet method of retrieving dust in kilns. N.I.Makarov. TSement 30 no.2:19-20 Mr-Ap '64.

DYCK, ANTHONIE VAN, 1599-1641

Dyck, Sir Anthonie van. Antonis van Deik. Moskva, Gos.izd-vo izobraz.iskus., 1963. [10] p. 32 illus.

DYES AND DYEING

Active dyes. O.P.Sazykina, IU.N.Aronina. Nauch. trudy MTILP no.26:89-108 '62.

In creative search. N.Dokunikhin, R.Chlenova. NTO 6 no.4:22-23 Ap '64.

Influence of the form of aggregation of dyes on the sign of photocurrent carriers. A.N.Terenin and others. Dokl.AN SSSR 155 no.4:900-903 Ap '64.

Optical sensitization of the photo effect of zinc oxide and the adsorption isotherms of dyes [with summary in English]. N.N.Markevich, E.K.Putseiko. Zhur.fiz. khim. 36 no.11:2393-2399 N '62.

Spectral sensitization by dyes of the intrinsic photoeffect of copper phenylacetylide. V.S.Myl'nikov, A.N.Terenin. Dokl.AN SSSR 155 no.5:1167-1170 Ap '64.

DYES AND DYEING—LEATHER

Improve the quality of leather dyeing. V.F.Kunashov. Kozh.obuv.prom. 5 no.12:23-26 D '63.

DYES AND DYEING—WOOL

Wool dyeing with acid metal-complex dyes of the complex 1:1type. V.V.Brazauskas, P.V.Moryganov. Izv.vys. ucheb.zav.; tekh.tekst.prom. no.1:103-109 '64.

DYNAMICS

Distribution of strains in the foundation under pressure under the effect of a temporary load. B.N.Smirnov. Trudy TSNIIME no.44:3-11 '63.

IAblonskii, A.A. [Course of theoretical mechanics] Kurs teoreticheskoi mekhaniki. Moskva, Vysshaia shkola.

Pt.2. [Dynamics] Dinamika. Izd.2., perer. 1964. 374 p.

Instability of dynamic systems with many degrees of freedom. V.I.Arnol'd. Dokl.AN SSSR 156 no.1:9-12 My '64.

Internal synchronization of almost identical dynamic systems under the action of weak linear bonds. R.F. Nagaev. Prikl.mat.i mekh. 28 no.2:216-230 Mr-Ap '64.

The problem of the synchronization of dynamic systems. I.I.Blekhman. Prikl.mat.i mekh. 28 no.2:193-215 Mr-Ap '64.

Solution of an optimum problem in the dynamics of a point with variable mass by the method of high-speed descent. IU.V.Kozhevnikov. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:11-17 '64.

DYNAMOMETER

Design of toothed rotary dynamometers. IU.D.Vidineev, B.S.Zalivadnyi, IU.P.Kuznetsov. Priborostroenie no.12:7-8 D '63.

DYSENTERY

(see also subdivision under **Katta-Kurgan, Samarkand Province; Turkmenistan**)

Clinical evaluation of the phage titer growth reaction as a method of laboratory diagnosis of acute dysentery [with summary in English]. P.I.Kambaratov. Zhur. mikrobiol.,epid.i immun. 40 no.4:113-117 Ap '63.

Course of dysentery in children with otitis. B.Karakhodzhaev, F.S.Viazikov. Nauch.trudy SamMI 21:33-35 '62.

Diagnostic value of the bacteriophage titer rise reaction in bacterial dysentery in children [with summary in English]. V.S.Kosarev. Vop.okh.mat.i det. 7 no.6: 13-16 Je '62.

Experimental search for a dysentery infection model. Report No.5: Use of the stimulation summation principle for reproducing dysentery in guinea pigs [with summary in English]. I.N.Morgunov and others. Zhur.mikrobiol., epid.i immun. 40 no.4:72-78 Ap '63.

Importance of the reaction of complement fixation in the diagnosis of dysentery. F.M.Ivanov. Zdrav.Turk. 8 no.1:27-29 Ja '64.

Monomycin treatment of bacillary dysentery in children [with summary in English]. I.A.Vereshchagin, N.A. Pustovalova, L.K.Poliakova. Vop.okh.mat.i det. 7 no.6:10-13 Je '62.

Parasitological diagnosis of amebic dysentery. N.A. Bakulina. Lab.delo 8 no.7:47-50 Jl '62.

Water and food-borne outbreaks of bacterial dysentery; review of foreign literature. IU.P.Solodovnikov. Zhur.mikrobiol.,epid.i immun. 40 no.9:125-129 S '63.

DYSENTERY—MICROBIOLOGY

Materials on the pathogenesis of dysentery. Report No.4: Significance of the titers of anti-O-streptolysine as an index to the participation of streptococci in the etiopathogenesis of clinical forms of dysentery. IU.E. Kocherovskii, F.Z.Abubakirova. Zhur.mikrobiol., epid.i immun. 40 no.9:132-133 S '63.

DYSPROSIUM

Spectrophotometric method of determining the pH value of the beginning of dissolution and precipitation of dysprosium hydroxide. P.N.Kovalenko, K.N.Bagdasarov. Zhur.prikl.khim. 37 no.4:736-741 Ap '64.

DZHAMBUL—AUDITING AND INSPECTION

Use of the strength of the groups of volunteers. G.Isachenko. Part.zhizn' Kazakh. 34 no.4:50-59 Ap '64.

DZHAMBUL—LEATHER INDUSTRY—FINANCE

Balancing between profitableness and losses. V.Cherkasov. Nar.khoz.Kazakh. 22 no.4:37-40 Ap '64.

DZHAMBUL—MICROSEISMS

Methods for microseismic regionalization and their use for the regionalization of Dzhambul. E.M.Antonenko, S.A.Proshunina. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:42-56 Mr-Ap '64.

DZHAMBUL PROVINCE—AGRICULTURAL ADMINISTRATION

There will be no lagging farms. G.Rudenko. Part.zhizn' Kazakh. 34 no.1:22-26 Ja '64.

DZHAMBUL PROVINCE—IRRIGATION CANALS AND FLUMES

Assembly workers on the fields. L.Timofeev. Nar. khoz.Kazakh. 22 no.4:21 Ap '64.

DZHAMBUL PROVINCE—SUGAR BEETS

Why the yields of sugar beets have become lower? A.Iseev, P.Lysenko. Part.zhizn' Kazakh. 31[i.e.32] no.8:41-44 Ag '62.

DZHANYBEK REGION (URAL PROVINCE)—MICROCLIMATOLOGY

Characteristics of the microclimate of the three-component complex of the Caspian lowland (Dzhanybek Field Station). I.V.Syrokomskaia. Trudy Bot.inst. Ser.3 no.15:123-145 '63.

DZHEBRAIL DISTRICT—EROSION

Occurrence of gully erosion in Dzhebrail District, Azerbaijan S.S.R. A.A.Ibragimov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 12:81-88 '61.

Supply of basic nutrients in the eroded soils of Dzhebrail District, Azerbaijan S.S.R. [in Azerbaijani with summary in Russian]. A.A.Ibragimov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.1:81-86 '63.

DZHEBRAIL DISTRICT—SOILS—COMPOSITION

Supply of basic nutrients in the eroded soils of Dzhebrail District, Azerbaijan S.S.R. [in Azerbaijani with summary in Russian]. A.A.Ibragimov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.1:81-86 '63.

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—ORE DEPOSITS

Problems of Dzhezkazgan ore genesis in the light of new facts. V.M.Popov. Geol.rud.mestorozh. 5 no.3; 105-116 N-D '63.

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—SULFIDES

New complex sulfide in the ores of the Dzhezkazgan deposit. T.A.Satpaeva and others. Izv. AN Kazakh.SSR. Ser.geol. 21 no.2;20-41 Mr-Ap '64.

DZHUGDZHUR RANGE—DESCRIPTION AND TRAVEL

The value of a map. I.Inozemtsev. Nov.mir. 40 no.3: 273-275 Mr '64.

DZUNGARIA—BOTANY, MEDICAL

Medicinal plants in the southern Dzhungarian region. E.T.Tegisbaev. Zdrav.Kazakh. 22 no.10:58-59 '62.

DZUNGARIAN ALATAU—FAULTS (GEOLOGY)

Hercynian shifts along the Dzungarian fault. A.Kh. Ivanov, V.S. Voitovich. Izv.AN SSSR.Ser.geol. 29 no.2;27-43 F '64.

DZUNGARIAN GATES—WINDS

Synoptic and meteorological conditions governing the formation of high wind in the Dzungarian Gate. T.A. Eserkepova. Trudy KazNIGMI no.20:31-44 '63.

EAR—DISEASES

Abstract of H.E.Huizing's book "Bone conduction; the influence of the middle ear" [in Dutch]. B.IA.Limar. Zhur.ush.,nos.i gorl.bol. 23 no.6:88-90 N-D '63

Case of otogenic sepsis with meningeal phenomena in the absence of otorrhea. B.I.Shmurman. Zhur.ush.,nos. i gorl.bol. 23 no.6:80 N-D '63.

Course of dysentery in children with otitis. B.Karakhodzhaev, F.S.Viazikov. Nauch.trudy SamMI 21:33-35 '62.

Fel'dman, A.I., and S.I.Vul'fson. [Diseases of the ear and upper respiratory tract in children] Bolezni ukha i verkhnikh dykhatel'nykh putei v detskom vozraste. 6-e izd. perer. i dop. Moskva, Meditsina, 1964. 399 p. (DNLM)

Some problems of otogenic intracranial complications. A.V.Brofman. Zdrav.Kazakh. 23 no.4:22-24 '63.

EAR—SURGERY

Use of autofibrin films in otiatry. V.IA.Gapanovich. Zhur.ush.,nos.i gorl.bol. 23 no.6:81-82 N-D '63.

EAR—TUBERCULOSIS

Tuberculosis of the ear in a four-month-old infant. A.Dadamukhamedov. Zhur.ush.,nos.i gorl.bol. 23 no.6:77-78 N-D '63.

EAR TRAINING

Nezvanov, B.A., and A.N.Lashchenkova. [A chrestomathy of aural harmonic analysis; a manual on a solfeggio course for music schools] Khrestomatiia po slukhovomu garmonicheskomu analizu; posobie po kursu sol'fedzhio dlia muzykal'nykh uchilishch. Pod red. A.L. Ostrovskogo. Leningrad, Izd-vo "Muzyka," 1964. 219 p.

EARTH

Concerning V.I.Gromov, E.A.Vangengeim and K.V. Nikiforova's article "Stages of the development of Quaternary mammalian fauna as a reflection of the evolutionary stages of the earth." V.A.Zubakov, I.I.Krasnov. Izv.AN SSSR.Ser.geol. 29 no.5;103-107 My '64.

EARTH—INTERNAL STRUCTURE

Comments on the article "Sources of the earth's internal heat." E.A.Liubimova. Vop.kosm. 9;266 '63.

Gravity anomalies and temperature-dependent deformations of the earth. V.N.Zharkov. Izv.AN SSSR.Ser. geofiz. no.4;441-455 Ap '64.

Quantum concept of the earth's internal structure. A.T. Aslanian. Izv. AN Arm.SSR.Geol.i geog.nauki 16 no.6;9-21 '63.

Results of seismic studies of the internal structure of the earth's crust within the eastern Ukraine. IU.B. Demidenko and others. Geofiz.sbor. no.5;107-114 '63.

EARTH—SURFACE

(see also subdivision under Antarctic regions; Atlantic Ocean)

Morphology of Mohorovičić surface and its structural significance. A.A.Borisov. Sov.geol. 7 no.4;3-23 Ap '64.

Out-of-town session of the Council for Studying the Complex Problem "Structure and development of the earth." A.M.Borsuk. Izv.AN SSSR.Ser.geol. 29 no.4:119-123 Ap '64.

Role of solar energy in crustal development [with summary in English]. V.M.Sinitsyn. Vest.LGU 19 no.6; 47-56 '64.

EARTHS, MEDICAL AND SURGICAL USES OF see subdivision under Ukraine

EARTH MOVEMENTS

Role of glacial isostasy in the crustal movements of the regions of recent and ancient glaciation. S.A.Evteev, G.I.Lazukov. Izv.AN SSSR.Ser.geog. no.2:24-26 Mr-Ap '64.

Significance of glacial isostasy in the crustal movements in glaciation areas. G.I.Lazukov, S.A.Evteev. Dokl. AN SSSR 155 no.2:337-339 Mr '64.

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE

(see also subdivision under Caucasus, Northern; Krivoy Rog Basin)

Predicting the temperature of deep reservoirs. V.I. Motiakov, N.I.Shapirovskii. Azerb.neft.khoz. 43 no.4:10-11 Ap '64.

EARTHMOVING MACHINERY

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Machine for working rocky soil; practices of the "Promstroimekhanizatsiia" Trust of the Ministry of Construction of Azerbaijan] Mashina dlia razrabotki skal'nykh gruntov; opyt tresta "Promstroimekhanizatsiia" Ministerstva stroitel'stva Azerbaidzhanskoi SSR. Moskva, Gosstroiizdat, 1963. 20 p.

[MICROFILM]

Energy required for and efficiency in the disintegration of frozen ground by a ramming device with a vibratory hammer. M.A.Gurin. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8;111-116 '63.

The KZU-0.3B universal trench excavator and grader. V.A.Kaplun. Mashinostroenie no.2;93-94 Mr-Ap '64.

Machines for the construction of irrigation systems. IU.A.Khymeryk. Mekh.sil'.hosp. 15 no.5;15-16 My '64.

EARTHQUAKES

Relation between the intensity rating, areas of propagation, and energy of earthquakes as dependent on the depth of the seismic center. K.Dzhanuzakov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6;27-39 '63.

EARTHQUAKES AND BUILDING

Efficient investigation of the seismic stability of structures. T.G.Sagdiev. Sbor.nauch.-tekh.inform. no.3;23-25 '60.

Establishing the radii of earthquakeproof zones of a complex of buildings of an ore dressing plant. I.I.Vakhrameev, L.B.Pisareva. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:60-67 '64.

EARTHS, RARE see Rare earths

EARTHWORK

Construction of a roadbed under a continuous rail track on the Bataysk-Starominskaya line. V.D.Maliuta. Transp.stroi. 13 no.11;4-6 N '63.

Effective use of hydraulic machinery in industrial construction. V.S.Khablov. Prom.stroi. 41 no.12:40-41 D '63.

EARTHWORK—COSTS

(see also subdivision under Donets Basin)

Effect of the conditions of work execution on the construction cost of a roadbed. B.K.Subbotin. Transp.stroi. 13 no.11;33-36 N '63.

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—GEOLOGICAL TIME

First determinations of the absolute age of fossil soils in the loess of the East European Plain. A.A.Velichko and others. Dokl.AN SSSR 155 no.3;555-556 Mr '64.

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—LUNGWORMS

Dictyocaulosis in cattle in East Kazakhstan Province. O.S.Karamendin. Paraz.sel'khoz.zhiv.Kazakh. 2:46-49 '63.

EAST KAZAKHSTAN PROVINCE—PARASITES—CATTLE

Dictyocaulosis in cattle in East Kazakhstan Province. O.S.Karamendin. Paraz.sel'khoz.zhiv.Kazakh. 2:46-49 '63.

EAST KAZAKHSTAN PROVINCE—TECHNICAL EDUCATION

The party organization and technological intelligentsia. P.Sorokin. Part.zhizn' Kazakh. 34 no.1:30-36 Ja '64.

EAST KAZAKHSTAN PROVINCE—TOXOPLASMOSIS

Toxoplasmosis in farm animals and poultry in eastern Kazakhstan according to the complement fixation reaction. A.V.Levit, U.D.Vustina. Paraz.sel'khoz.zhiv. Kazakh. 2;181-185 '63.

EAST KAZAKHSTAN PROVINCE—VETERINARY MEDICINE

Toxoplasmosis in farm animals and poultry in eastern Kazakhstan according to the complement fixation reaction. A.V.Levit, U.D.Vustina. Paraz.sel'khoz.zhiv. Kazakh. 2:181-185 '63.

EAST KAZAKHSTAN PROVINCE—WOMEN AS ACCOUNTANTS

Tireless. Zh.Kul'baev. Part.zhizn' Kazakh. 34 no.3: 68 Mr '64.

EAST PAKISTAN—FOOD SUPPLY

The food problem in East Pakistan. S.S.Baranov. Nar.Az.i Afr. no.3;38-43 '64.

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN SIBERIA see Siberia, Eastern

EBEKO VOLCANO—METAMORPHISM (GEOLOGY)

Hydrothermal metamorphism of rocks in a postvolcanic process as revealed by a study made in the Ebeko Volcano (Kurile Islands). S.S.Sidorov. Dokl.AN SSSR 154 no.3;619-620 Ja '64.

EBEYTY, LAKE

Lake Ebeyty brine and mud. V.V.Epshtein. Izv.Omsk. otd.Geog.ob-va no.5:45-47 '63.

EBULLITION

Experimental study of heat transfer in critical boiling. V.N.Smolin, V.K.Poliakov, V.I.Esikov. Atom.energ. 16 no.5;417-423 My '64.

Hydraulic resistance in surface boiling of water in annular channels. A.P.Ornatskii, L.F.Glushchenko. Teplofiz.vys.temp. 1 no.2;260-266 S-O '63.

Process of the boiling of solutions containing macromolecular substances. V.G.Gleim, E.M.Lavrova. Zhur. prikl.khim. 37 no.4;896-897 Ap '64.

ECONOMIC ASSISTANCE see subdivision under India

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Nigeria

ECONOMIC ASSISTANCE, KUWAIT see subdivision under Arab Countries

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Africa; Burma; Communist Countries; Egypt

ECONOMIC DEVELOPMENT

Theory of the stages of economic growth is a falsification of social progress. V.I.Boush. Vesti AN BSSR.Ser. hram.nav. no.1;82-92 '64.

ECONOMIC HISTORY

Brief news. Mir.ekon.i mezhdunar.otn. no.4:113-115 '64.

Growing contradictions in the West. A.Gorokhov. Mezhdunar.zhizn' 11 no.5;19-28 My '64.

Krandievskii, S.I. [Essays on the historiography of economic history; the 17th to 19th centuries] Ocherki po istoriografii ekonomicheskoi istorii (XVII-XIX vv.). Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 305 p.

The world of capitalism and socialism in figures. S.G. Strumilin. Nov.mir. 40 no.3:263-267 Mr '64.

ECONOMIC OFFENSES

Distinguishing speculation from other offenses. G.Vol'fman. Sov.iust. 28 no.9;20-22 My '64.

ECONOMIC POLICY

Capitalist economy and imperialist state. IU.Avdeev, V.N.Strunnikov, M.I.Burlakov. Sov.gos.i pravo 34 no.4:139-142 Ap '64.

The theory and practice of capitalist regulation. L.Al'ter. Mir.ekon.i mezhdunar.otn. no.4;71-79 '64.

ECONOMIC RESEARCH

Coordination of economic research. N.Linkun, A.Sokolovskii. Vop.ekon. no.4:146-150 Ap '64.

ECONOMIC RESEARCH—CONGRESSES

General meeting of the Department of Economics of the Academy of Sciences of the U.S.S.R. Vop.ekon. no.4: 139-142 Ap '64.

ECONOMIC ZONING see subdivision under Ukraine

ECONOMICS

From the history of views on the interrelationship between economics and statistics. B.Ploshko. Vest.stat. no.5: 28-33 '64.

[If you know how to make use of economics] Esli druzhit' s ekonomikoi. Moskva, Izd-vo "Znanie," 1964. 234 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, nos.4/6)

ECONOMICS (Continued)

[illegible] L.Leont'ev. Vop.ekon. no.4:3-[illegible]

[illegible] output of the means of pro- [illegible] A.S.Moiseev. Izv.LETI no.40:185-193 '60.

Taretskii, Sh.IA., ed. [Large-scale socialist reproduction and the national economic balance] Rasshirennoe sotsialisticheskoe vosproizvodstvo i balans narodnogo khoziaistva. [Moskva] Izd-vo "Mysl'," 1964. 373 p.

ECONOMICS—METHODOLOGY

[illegible] and natural sciences. M.Kolganov. Vop.ekon. [illegible] Ap '64.

ECONOMICS—STUDY AND TEACHING

Courses of economics and criticism of anti-Marxist theories. K.Bregel'. Kommunist 41 no.8:90-97 My '64.

ECONOMICS, MATHEMATICAL

[illegible] of the bourgeois economics model of the [illegible] of a firm." B.G.Serebriakov. Prim.mat.v [illegible] 2:44-5[illegible] '64.

Cybernetics and planning. IU.Davydov. Plan.khoz. 41 no.5:[illegible] My '64.

Lange, Oskar. [Introduction to econometrics. Translated from the Polish] Vvedenie v ekonometriku. Pod obshchei red. i s predisl. A.IA.Boiarskogo. Moskva, Izd-vo "Progress," 1964. 294 p.

Optimal planning of the national economy and the production [illegible] of an industrial enterprise. A.A.Ani-[illegible] Prim.mat.v ekon. no.2:13-33 '64.

ECONOMICS, MATHEMATICAL—BIBLIOGRAPHY see Bibliography—Economics, Mathematical

ECONOMICS, MATHEMATICAL—CONGRESSES

Application of mathematics and electronic computers in [illegible]. S.Lavalats. Vop.ekon. no.4:157-158 Ap '64.

Economists and mathematicians at a "round table." Vop.ekon. no.4:65 Ap '64.

ECUADOR—TRADE UNIONS

Let us defend the victims of Ecuador persecutions. Vses.prof.dvizh. no.11:51-52 N '63.

ECUMENICAL MOVEMENT

Ecumenical dialogue on the Church about Bishop Lesslie Newbigin's book "The Household of God" (to be continued). N.Zabolotskii. Zhur.Mosk.Patr. no.4:47-[illegible] '64.

ECZEMA

Blood serum protein fractions in eczema and neurodermatitis [with summary in English]. G.P.Tret'iakov. Vest.derm.i ven. 37 no.5:16-20 My '63.

Effect of psychic trauma on the course of eczematous processes. IU.A.Kashaev. Vest.derm.i ven. 37 no.4: [illegible] Ap '63.

New comprehension of the pathogenesis of eczema based on Soviet physiology. N.V.Kozhevnikov. Nauch.trudy GIDUV no.12:3-17 '57.

Problem of correlations between diseases of internal organs and eczematous reactions. F.N.Nikitin. Nauch.trudy GIDUV no.12:101-109 '57.

Results of the treatment and some general reactions of the body following local use of tar preparations in eczematous diseases. Z.P.P'iankova. Nauch.trudy GIDUV no.12:60-65 '57.

Review of the book by M.T.Bril' "Eczema in children." F.A.Zverkova, L.P.Karakulina. Vop.okh.mat.i det. 7 no.6:93-95 Je '62.

Skin galvanic reflexes in the dynamics of the development of eczematous reactions. F.N.Nikitin. Nauch.trudy GIDUV no.12:18-40 '57.

EDEMA

Cherviakovskii, N.IA. [Problem of edema in the clinical aspects of internal diseases] Problema oteka v klinike vnutrennikh boleznei. [Leningrad] Meditsina, 1964. 198 p.
(DNLM)

Melkersson-Rosenthal syndrome. L.G.Lesun. Vest.derm.i ven. 37 no.5:69-70 My '63.

Treating edema in young pigs. I.F.Bychevoi. Veterinariia 40 no.10:44-45 O '63.

EDUCATION

(see also subdivision under Africa; Bessarabia; Germany, East; Germany, West; Great Britain; Latin America; Ukraine; United States)

Asking Il'ich for advice.... Nar.obr. no.4:1-6 Ap '64.

[Communist education and the strengthening of the ties of school with life; collection of documents] O kommunisticheskom vospitanii i ukreplenii sviazi shkoly s zhizn'iu; sbornik dokumentov. Moskva, Prosveshchenie, 1964. 479 p.

Good initiative and useful activities. Nar.obr. no.4:18-19 Ap '64.

Good initiative and useful activities. Nar.obr. no.5:9-11,16 My '64.

Happy New Year, dear comrades! Nach.shkola 32 no.1:3-6 Ja '64.

In the Ministry of Education of the R.S.F.S.R. Nar.obr. no.4:124-125 Ap '64.

Thoughts on education. N.S.Khrushchev. Nar.obr. no.4:7-8, 16-17 Ap '64.

To the principal and the head of the teaching department. Nar.obr. no.4:81-82 Ap '64.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—PERIODICALS

(see also subdivision under Tatar A.S.S.R.)

Read it in the periodicals. Nar.obr. no.4:123 Ap '64.

Read it in the periodicals. Nar.obr. no.5:120 My '64.

To our readers. Nar.obr. no.5:121-122 My '64.

EDUCATION—STUDY AND TEACHING see subdivision under Uzbekistan

EDUCATION, COOPERATIVE

"Connection between education, life and students' work." Sh.I.Ganelin. Sov.pedag. 28 no.4:137-139 Ap '64.

Gerasin, F.V. [Activity of party organizations in the consolidating of the relations between school and life; lectures delivered at the Higher School of Party Education attached to the Central Committee of the CPSU] Deiatel'nost' partiinykh organizatsii po ukrepleniiu sviazi shkoly s zhizn'iu; lektsii, prochitannye v Vysshei partiinoi shkole pri TsK KPSS. Moskva, Izd-vo "Mysl'," 1964. 86 p. (Partiinoe stroitel'stvo: Kurs lektsii)

Legal provisions governing vocational education in the period of the large-scale building of communism [with summary in English]. A.S.Pashkov. Vest.LGU 19 no.5:82-93 '64.

EDUCATION, ELEMENTARY

(see also subdivision under Dnepropetrovsk Province)

Changes in the content of elementary education. V.V.Davydov. Sov.pedag. 28 no.4:95-103 Ap '64.

Development of group relations among children in the process of work. O.V.Kyrychuk. Rad.shk. 42 no.2:48-51 F '64.

First results. M.Stepanova. Sem'ia i shkola 19 no.1:17-18 Ja '64.

Love for work cannot be taught by words alone. H.O.Nesterenko. Rad.shk. 42 no.2:51-52 F '64.

Talks by analogy with reading material in grades one and two. I.A.Blokhin. Nach.shkola 32 no.1:40-47 Ja '64.

Unity of education and training. S.A.Abdullina. Nach.shkola 32 no.1:28-34 Ja '64.

EDUCATION, ELEMENTARY—BIBLIOGRAPHY see Bibliography—Education, Elementary

EDUCATION, HIGHER

Brief notes on books. Vest.vys.shkoly 22 no.4:96 Ap '64.

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] Biul.Min.vys.i sred.spets.obr.SSSR no.5 My '64.

Concern of the party puts a great obligation on one. Vest.vys.shkoly 22 no.4:3-7 Ap '64.

The CPSU as organizer of the revolutionary transformation of the higher schools. G.N.Serebrennikov, K.M.Temirbaev. Vop.ist.KPSS 8 no.4:118-120 Ap '64.

In the same line with industrial personnel. Z.M.Kruglova. Vest.vys.shkoly 22 no.4:33-36 Ap '64.

An interinstitutional conference. Vop.ist.KPSS 8 no.5:154 My '64.

EDUCATION, HIGHER—FINANCE

Economics of higher education; notes of an economist. L.I.Tul'chinskii. Vest.vys.shkoly 22 no.4:27-32 Ap '64.

Ways to increase the efficiency of expenditures for higher education. L.Tul'chinskii. Fin.SSSR 38 no.4:31-38 Ap '64.

EDUCATION OF CHILDREN

(see also subdivision under White Russia)

Brief news. Sem'ia i shkola 19 no.1:24-25 Ja '64.

EDUCATION OF WOMEN

Once upon a time there lived a little girl. Gianni Rodari. Sem'ia i shkola 19 no.1:19-20 Ja '64.

EDUCATIONAL ACCELERATION

Two booklets by the same author. G.Shapochkina. Nar.obr. no.4:110-111 Ap '64.

EDUCATIONAL PSYCHOLOGY

Levitov, N.D. [Child and educational psychology; textbook for pedagogical institutes] Detskaia i pedagogicheskaia psikhologiia; uchebnoe posobie dlia pedagogicheskikh institutov. 3. izd., isp. i dop. Moskva, Prosveshchenie, 1964. 476 p.

Psychology enters the classroom. B.Korotiaev. Nar.obr. no.5:28-31 My '64.

EDUCATIONAL PSYCHOLOGY—STUDY AND TEACHING

Students should know psychology. A.Borodulina, D.Gaikevich, T.Korman. Nar.obr. no.5:15-17 My '64.

EFFECT OF TEMPERATURE ON METALS see Metals, Effect of temperature on

EFFICIENCY, INDUSTRIAL

(see also subdivision under Alma-Ata; White Russia)

By word and deed. Kh.A.Martirosian. Masl.-zhir.prom. 30 no.3:38-39 Mr '64.

Foremost workers of the Shoe Combine in Leningrad. N.Mironov. Kozh.-obuv.prom. 6 no.2:23 F '64.

Mobilize all efforts of the members of the Scientific and Technological Society of the Light Industry for the fulfillment of the seven-year plan ahead of time. V.S.Novikov. Kozh.-obuv.prom. 6 no.2:1-8 F '64.

Results of the transition to a seven-hour workday and improvement of the wage system in the distilling industries. M.P.Ul'ianova. Trudy TSNIISP no.13:60-67 '62.

EGOROV, VLADIMIR EVGEN'EVICH

Master. Vasilii Komardenkov. Isk.kino 34 no.2:70-05 '64.

Unforgettable meetings. Efim Dzigan. Isk.kino 34 no.2:76-77 '64.

EGYPT—ECONOMIC ASSISTANCE, RUSSIAN

New trends in the life of an ancient country. V.Artem'ev, O.Liakhov. Mezhdunar.zhizn' 11 no.5:38-46 My '64.

Prophesies that didn't come true. B.Zabirov. Az.i Afr.seg. 7 no.5:10-12 My '64.

Soviet economic cooperation with the United Arab Republic; an interview with V.A.Sergeev. Nov.vrem. 21 no.19:8-9 My '64.

Unforgettable days in Cairo. IU.Bochkarov. Nov.vrem. 21 no.20:4-5 My '64.

EGYPT—ECONOMIC CONDITIONS

New trends in the life of an ancient country. V.Artem'ev. O.Liakhov. Mezhdunar.zhizn' 11 no.5:38-46 My '64

EGYPT—FOREIGN RELATIONS—RUSSIA

Cairo prepares to welcome Khrushchev. IU.Bochkarov. Nov.vrem. 21 no.19:15-16 My '64.

The harnessing of the Nile. IU.Bochkarev. Nov.vrem. 21 no.21:4-7 My '64.

The Soviet Union and the Arab world. Nov.vrem. 21 no.20:1-3 My '64.

Unforgettable days in Cairo. IU.Bochkarov. Nov.vrem. 21 no.20:4-5 My '64.

EGYPT—FOREIGN RELATIONS—UNITED STATES

Dulles' "Aswan gambit." G.Ushakov. Nov.vrem. 21 no.20:26-29 My '64.

EGYPT—SEASHORE

Committee for the Preservation of the Seacoasts of the United Arab Republic. V.P.Zenkovich. Okeanologiia 4 no.2:363 '64.

EIGENVECTORS

Eigenvectors of linear perfectly continuous operators defined in semiordered nonnormalized spaces. V.M.Brodskii. Sib.mat.zhur. 5 no.2:468-471 Mr-Ap '64.

EINMAN, EDUARD

Eduard Einmann. F.Matt. Iskusstvo 26 no.12:19-22 '63.

EISENHOWER, DWIGHT, 1890-

Dwight Eisenhower's memoirs. Mir.ekon.i mezhdunar.otn. no.4:141-148 '64.

EISLER, HANNS, 1898-1962

Book about Eisler. G.Shneerson. Sov.muz. 27 no.11:138-139 N '63.

EJECTOR PUMPS

Using an ejector in pumping stations for pumping out leakage. V.I.Kharlamenko, N.G.Sadaev, V.P.Rudnev. Transp.i khran.nefti no.11:11-13 '63.

ELASTIC PLATES AND SHELLS

Asymptotic integration of a system of nonlinear equations in the theory of plates. L.S.Srubshchik. Prikl.mat.i mekh. 28 no.2:335-340 Mr-Ap '64.

Calculation of elastic rectangular plates during finite flexures. G.A.Sokolova. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:3-10 '63.

Deformations of membranous shells of revolution. V.I.Usiukin. Izv.AN SSSR.Mekh.i mashinostr. no.2:134-140 Mr-Ap '64.

Design of a circular axisymmetrically loaded plate in case of a nonlinear arbitrary interdependence between stresses and deformations. B.N.Duldenko. Izv.vys.ucheb.zav.; mashinostr. no.2:36-45 '64.

Determining stresses caused by the friction of thin plates. V.D.Evdokimov. Nauch.zap.Od.politekh.inst. 48:66-72 '62.

Nonclassical problems in the theory of shells; symposium held in Warsaw. IU.N.Rabotnov. Vest.AN SSSR 34 no.1:59-62 Ja '64.

ELASTIC PLATES AND SHELLS [illegible]

[illegible]

[illegible]

[illegible]

ELASTIC PLATES AND SHELLS—BOUNDARY VALUE PROBLEMS

[illegible]

[illegible]

[illegible]

ELASTIC PLATES AND SHELLS—VIBRATION

[illegible]

[illegible]

[illegible]

[illegible]

ELASTIC RODS AND WIRES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELASTIC RODS AND WIRES—VIBRATION

[illegible]

[illegible]

[illegible]

ELASTIC SOLIDS

[illegible]

ELASTIC SOLIDS—VIBRATION

[illegible]

[illegible]

ELASTIC WAVES

[illegible]

[illegible]

ELASTIC WAVES—SPEED

[illegible]

[illegible]

ELASTICITY

Axisymmetric mixed problem in the theory of elasticity for a transversally isotropic cylinder. [illegible] no.1:140-146 '64.

Internal friction and the elasticity modulus of cold-worked [illegible]. [illegible] Metalloved. i term. obr. met. no.4:43-46 '64.

Stress state of an elastic half space under the action of a load uniformly distributed over the area of a rectangle. [illegible] Trudy MIIT no.[illegible]

[illegible]

Perm. Politekhnicheskii institut. Kafedra soprotivleniia materialov. [Fundamentals of the theory of elasticity. Osnovy teorii uprugosti] Perm',

[illegible] V.I. [Plane problem in the theory of elasticity in rectangular coordinates; methodological manual for students of the [illegible] "Industrial and civil engineering"] Ploskaia zadacha teorii uprugosti v priamougol'nykh koordinatakh; metodicheskoe posobie dlia studentov [illegible] "Promyshlennoe i grazhdanskoe stroitel'stvo." 1964. 37 p.

[MICROFILM]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELASTICITY—BOUNDARY VALUE PROBLEMS

[illegible]

ELASTOMERS

[illegible]

[illegible]

[illegible]

ELECTRIC APPARATUS AND APPLIANCES

[illegible]

[illegible]

ELECTRIC APPARATUS AND APPLIANCES—PATENTS

[illegible]

[illegible]

[illegible]

ELECTRIC APPARATUS AND APPLIANCES—SAFETY MEASURES

[illegible]

ELECTRIC ARC

[illegible] [Oxygen-arc cutting of metals in shipbuilding] [illegible] Leningrad, Sudostroenie, 1964. 107 p.

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC CABLES

[illegible]

[illegible], M.M., and M.A. [illegible] [Thermal [illegible] of ship cables] [illegible] Leningrad, Izd-vo "Sudostroenie," 1964. [illegible] p.

ELECTRIC CABLES—MEASUREMENT

[illegible] Prom. energ. 19 no.4:37-38 Ap '64.

ELECTRIC CHARGE AND DISTRIBUTION

Evaluation of the conditions of the distribution of a discharge in a solid uniform dielectric in a wedge-plane field with positive polarity of the wedge. G.A. Vorob'ev. Izv. vys. ucheb. zav.; energ. 7 no.1:[illegible] Ja '64.

ELECTRIC CIRCUIT BREAKERS

New trend in creating a protective system against short-circuiting to ground. V.V. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.1:[illegible] '64.

ELECTRIC CIRCUITS

Algebraic transformers of variable structure (with summary in English). R.D. [illegible] Dop. AN URSR no.[illegible] '64.

Analysis of the operation of complex electric circuits in automatic control equipment. A.I. [illegible] Mekh. i avtom. proizv. 18 no.4:15-17 Ap '64.

ELECTRIC CONDUCTIVITY

[illegible]

Theory of [illegible] interaction in transition metals. S.V. Vonsovskii, Iu.A. Izyumov. Izv. AN SSSR. Ser. fiz. 28 no.[illegible] '64.

ELECTRIC CONTACTORS

[illegible] Mr-Ap '64.

ELECTRIC CONTROLLERS

[illegible], Iu.I., and A.I. Kal'in. [Experience in operating the control apparatus of mercury rectifiers] Opyt ekspluatatsii apparatury upravleniia rtutnymi vypriamiteliami. Moskva, Izd-vo "Energiia," 1964. 63 p. (Biblioteka elektromontera, no.[illegible])

[illegible] Prom. energ. 19 no.4:[illegible] Ap '64.

[illegible], A.I. [Executive mechanisms of the power regulators of electric arc furnaces] Ispolnitel'nye mekhanizmy reguliatorov moshchnosti dugovykh elektropechei. Moskva, Gosenergoizdat, 1963. 80 p. (Biblioteka elektromontera, no.[illegible])

ELECTRIC CRANES

[illegible]

[illegible]

ELECTRIC CURRENT CONVERTERS

Moscow. Energeticheskii institut imeni G.M. Krzhizhanovskogo. [Converter systems in electric power engineering] Preobrazovatel'nye ustanovki v elektroenergetike. Moskva, Izd-vo "Nauka," 1964. 119 p.

ELECTRIC CURRENT RECTIFIERS

[illegible], V.M. [Germanium diode rectifiers] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible], Iu.I., and A.I. Kal'in. [Experience in operating the control apparatus of mercury rectifiers] Opyt ekspluatatsii apparatury upravleniia rtutnymi vypriamiteliami. Moskva, Izd-vo "Energiia," 1964. 63 p. (Biblioteka elektromontera, no.[illegible])

[illegible]

[illegible]

[illegible]

ELECTRIC CURRENTS

[illegible]

[illegible]

ELECTRIC CURRENTS—GROUNDING

[illegible] Prom. energ. [illegible] '64.

Design of electric current grounding devices for power [illegible] Izv. vys. ucheb. zav.; energ. 7 no.[illegible] Ag '64.

ELECTRIC CURRENTS—SAFETY MEASURES

Comparative electrical safety of systems with different frequencies. [illegible] Trudy [illegible]

ELECTRIC CURRENTS, LEAKAGE

Basis for standards on current leakage distances from electrical equipment in mines. V.G. [illegible], A.G. [illegible] Nauch. soob. VostNII [illegible] '64.

ELECTRIC CUTOUTS

[illegible] disconnecting switch. [illegible] Energ. i elektrotekh. prom. no.[illegible] Ja-Mr '64.

ELECTRIC DISCHARGES

Retardation of a discharge due to the electric breakdown of [illegible] gaps. [illegible] Zhur. tekh. fiz. 34 no.[illegible] '64.

ELECTRIC DISCHARGES THROUGH GASES

[illegible] in pulsed discharges. IU.S. [illegible], V.D. [illegible], I.M. [illegible]. Dokl. AN SSSR 15[illegible] no.2:312-315 Mr '64.

[illegible] of methane to acetylene [illegible] discharges. Part 3 [with summary in English]. F.N. [illegible], F.M. Kremis. Zhur. fiz. khim. [illegible] no.11:2[illegible] N '63.

ELECTRIC DRIVING

Ilsharin, A. V., F. N. Golubev, and V. G. Kepperman. [Design examples of an automated electric drive] Primery raschetov avtomatizirovannogo elektroprivoda. Pod red. A. V. Ilsharina. Moskva, Izd-vo "Energiia," 1964. 389 p.

Device for automatic inverter braking control. V.S. Sychev, B.I. Dubovtsev. Elektrotekhnika 35 no.3:52-53 Mr '64.

Lototskii, K.V. [Electrical machines and the principles of electric drives] Elektricheskie mashiny i osnovy elektroprivoda. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

[illegible] system of optimum pulsed control of an electric drive. N.G. Lysenko and others. Avtom. i prib. no.1:11-13 Ja-Mr '64.

Start of three-phase motors from a network with limited [illegible] capacity. V.P. Murav'ev, S.I. Fershter. Prom. energ. 19 no.4:18-20 Ap '64.

ELECTRIC DRIVING—SAFETY MEASURES

Universal lead-in devices for enclosed electric motors. B.E. Teplitskii. Prom. energ. 19 no.4:12-14 Ap '64.

ELECTRIC ENGINEERING

Levinshtein, M. L. [Operational calculus and its application to electrical engineering problems] Operatsionnoe ischislenie i ego prilozheniia k zadacham elektrotekhniki. Moskva, Izd-vo "Energiia," 1964. 465 p.

Pasechnik, N.D. [Elementary electrical engineering] Elementarnaia elektrotekhnika. 9 ispr. izd. Kiev, "Tekhnika," 1964. 231 p.

Rabinovich, E.A., and V.D. Surguchev. [Collection of problems in general electrical engineering] Sbornik zadach po obshchei elektrotekhnike. Izd. 4., perer. Moskva, Izd-vo "Energiia," 1964. 320 p

Through the pages of trade journals. Prom. energ. 19 no.2:61-62 F '64.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no.5 My '64. Avtorskii ukazatel' za 1963 g.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—INFORMATION SERVICES see subdivision under Erivan

ELECTRIC ENGINEERING—LABORATORY MANUALS

Leningrad. Elektrotekhnicheskii institut sviazi. [Description of laboratory procedures in a course in electric machinery] Sbornik opisanii laboratornykh rabot po kursu elektricheskikh mashin. Leningrad.
No.2. [Synchronous machines] Sinkhronnye mashiny. 1962. 73 p.

ELECTRIC ENGINEERING—MATERIALS

Improvement of technological features of electrical steel. S.D. Shalfeev, A.S. Galiakbarov, N.S. IAkubov. Elektrotekhnika 35 no.3:56-57 Mr '64.

Polymers and their prospective use in thermal power engineering. P.A. Akol'zin, F.G. Prokhorov. Teploenergetika 11 no.5:31-35 My '64.

ELECTRIC ENGINEERING—NOTATION

Conventional graphical symbols for electrical networks. Avtom. telem. i sviaz' no.3:45 Mr '64.

ELECTRIC ENGINEERING—STUDY AND TEACHING

Electrical wiring operations. V.A. Poliakov. Shkola i proizv. 6 no.3:41-44 Mr '64.

Laboratory work on electric engineering. P. Prozukin. Prof.-tekh. obr. 21 no.4:17-18 Ap '64.

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Bulgaria)

Growth reserves in the labor productivity of the electric equipment industry. V.E. Astaf'ev, N.N. Skvortsov. Energ. i elektrotekh. prom. no.1:63-67 Ja-Mr '64.

Vasil'ev, I.I. [Reserves into action] Rezervy - v deistvie! Saransk, Mordovskoe knizhnoe izd-vo, 1962. 38 p.

ELECTRIC EQUIPMENT INDUSTRY—SAFETY REGULATIONS

Saburov, N. IA., and A. I. Shirokov, comps. [Safety engineering rules in effect in the electric equipment and radio industries] Sbornik deistvuiushchikh pravil po tekhnike bezopasnosti v elektrotekhnicheskoi i radiotekhnicheskoi promyshlennosti. Moskva, Izd-vo "Energiia," 1964. 520 p.

ELECTRIC FIELDS

Effect of the electric field on the development of porosity during mutual diffusion in single alkali-halogen crystals. IA.E. Geguzin, V.I. Solunskii. Dokl. AN SSSR 156 no.3:644-646 '64.

Electric field in the annular region formed by the crossing of two cones and two spheres for a case of given potential on one of the cones. IU.M. Volokobinskii. Izv. LETI no.43:23-30 '60.

Electric field strength at the surface of a body in plasma. A.V. Gurevich. Kosm. issl. 2 no.2:232-245 Mr-Ap '64.

Experimental study of the electric field in the heating of wet insulation. IU.I. Bannikov. Izv. vys. ucheb. zav.; energ. 7 no.4:30-34 Ap '64.

Measurements of the natural electric field in the sea. E.A. Domanitskii, M.G. Strunskii. Okeanologiia 4 no.2:325-339 '64.

System for the automatic registration of fields using an electrolytic tank technique. V.I. Petrunin. Izv. LETI no.43:39-44 '60.

Use of electrically conductive paper in modeling electric fields of insulators. A.D. Shinkov. Izv. LETI no.43:31-38 '60.

ELECTRIC FILTERS

Besekerskii, V.A., S.B. Vostokov, and IA.M. TSeitlin. [Electromechanical smoothing devices] Elektromekhanicheskie sglazhivaiushchie ustroistva. Leningrad, "Sudostroenie," 1964. 145 p.

Generalization on a problem concerning the synthesis of a discrete continuous filter. V.IA. Katkovnik. Izv. AN SSSR. Tekh. kib. no.2:75-81 Mr-Ap '64.

ELECTRIC FISHING

Panin, S. E. [Fishing with light] **Lov ryby na svet.** [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 75 p. (Bibliotechka rybaka)

ELECTRIC FURNACES

Crucible tilting electric furnace. A.T. Orlov. Transp. stroi. 13 no.11:61 N '63.

Review of N.A. Markov's book "Electrical networks of electric arc furnaces." Elektrotekhnika 35 no.3:63-64 Mr '64.

Sapko, A.I. [Executive mechanisms of the power regulators of electric arc furnaces] Ispolnitel'nye mekhanizmy reguliatorov moshchnosti dugovykh elektropechei. Moskva, Gosenergoizdat, 1963. 110 p. (Biblioteka elektrotermista, no.16)

Study of the distribution of electric current in a three-phase ore smelting furnace using models. P.P. Cherdovskikh. Izv. vys. ucheb. zav.; energ. 7 no.1:46-53 Ja '64.

ELECTRIC FUSES

Concerning the design of the E-27 protector. V.I. Kuznetsov. Prom. energ. 19 no.2:58 F '64.

Production of calibrated fuse links. IA.L. IAkirevich. Prom. energ. 19 no.2:57-58 F '64.

ELECTRIC GENERATORS

Causes of unsatisfactory commutation in the main generators of diesel locomotives. M.F. Karasev, A.M. Trushkov, V.P. Paramzin. Trudy OMIIT 37:57-64 '62.

Concerning M.V. Machinskii's article "Equivalent circuits of a multiple unit system as a means for studying its static stability." V.M. Matiukhin. Izv. vys. ucheb. zav.; energ. 7 no.4:109-110 Ap '64.

"Electromechanical inductor generators" by V.S. Sharov. Reviewed by I.S. Rogachev, A.N. Tkachenko. Izv. vys. ucheb. zav.; elektromekh. 7 no.3:391-392 '64.

Equivalent representation of the generators of autonomous electric power systems in the calculations of static stability. V.T. Morozovskii. Izv. AN SSSR. Energ. i transp. no.2:220-226 Mr-Ap '64.

Generation of linear scanning of long duration. L.L. Dekabrun, IU.N. Kil'fanov. Prib. i tekh. eksp. 9 no.2:72-75 Mr-Ap '64.

High-voltage pulse generators for spark counters. N.A. Burgov, IU.T. Kiselev, V.I. Ushakov. Prib. i tekh. eksp. 9 no.2:104-107 Mr-Ap '64.

Mobile 300kw. 10 cps. voltage pulse generator. V.S. Barantsev, I.I. Kaliatskii, R.E. Klein. Prib. i tekh. eksp. 9 no.2:108-109 Mr-Ap '64.

ELECTRIC GENERATORS—DRYING

Drying of the main generator of the TEM1 diesel locomotive using short-circuit current. V.F. Doroshenko. Elek. i tepl. tiaga 8 no.1:29 Ja '64.

ELECTRIC INSTRUMENTS—RELIABILITY

Increase the reliability of electric instruments. A. Antonian. Prom. Arm. 7 no.3:59-60 Mr '64.

ELECTRIC INSULATORS AND INSULATION

Design principles of high-voltage high-frequency insulators. N.P. Bogoroditskii, IU.M. Volokobinskii, V.N. Tairov. Izv. LETI no.43:12-22 '60.

Effect of electrode vibration on stresses and currents in a dielectric. K.F. Stepanchuk. Izv. vys. ucheb. zav.; energ. 7 no.4:23-29 Ap '64.

Electric field in the annular region formed by the crossing of two cones and two spheres for a case of given potential on one of the cones. IU.M. Volokobinskii. Izv. LETI no.43:23-30 '60.

Experimental study of the electric field in the heating of wet insulation. IU.I. Bannikov. Izv. vys. ucheb. zav.; energ. 7 no.4:30-34 Ap '64.

New high-voltage rod-type insulators from crystallized glass materials. B.I. Gaidash, K.T. Bondarev. Energ. i elektrotekh. prom. no.1:29-30 Ja-Mr '64.

Polymeric materials should be used on a wider and more effective scale. Elek. i tepl. tiaga 8 no.1:1-4 Ja '64.

Properties of acetylized electric insulation paper. F.I. Korchemkin, A.I. Bobrov. Bum. prom. no.1:15-16 Ja '64.

Use of electrically conductive paper in modeling electric fields of insulators. A.D. Shinkov. Izv. LETI no.43:31-38 '60.

Voltage-time characteristics of air gaps at large impulses with long duration. V.P. Larionov, A. Zoltan. Izv. vys. ucheb. zav.; energ. 7 no.1:13-19 Ja '64.

ELECTRIC INSULATORS AND INSULATION—TESTING

Color for permanently marking rubber articles. M.V. Khomiakov. Prom. energ. 19 no.2:60 F '64.

ELECTRIC IRONS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Present-day technology in the manufacture of electric irons; abstracts] Sovremennaia tekhnologiia proizvodstva elektroutiugov; referativnaia informatsiia. Moskva, TSentr. in-t nauchno-tekhn. informatsii elektrotekhn. promyshl. i priborostroeniia, 1962. 23 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)
[MICROFILM]

ELECTRIC LAMPS

Lamps for apartment house and auxiliary space. Biul. stroi. tekh. 20 no.11:21-22 N '63.

Making the electric lamp "Gribok". A. Kartashov. Shkola i proizv. 6 no.3:60-64 Mr '64.

ELECTRIC LIGHT FIXTURES
(see also subdivision under Poland)

Controversial problems in the methodology of technical and economic comparisons in the field of electric lighting fixtures. G.M. Knorring. Svetotekhnika 10 no.1:26-27 Ja '64.

Overhead and wall-type light fixtures with incandescent lamps. Svetotekhnika 10 no.4:32 Ap '64.

Plug-type connector for industrial light fixtures with incandescent and DRL lamps. M.G. Lur'e, E.S. Rozental'. Svetotekhnika 10 no.4:23-24 Ap '64.

The quality of lampholders should be improved. N.M. Burnyshev. Svetotekhnika 10 no.1:29 Ja '64.

Reference materials for use in designing light fixtures with DRL lamps. G.M. Knorring. Svetotekhnika 10 no.4:25-27 Ap '64.

Technical and economic comparisons of electric lighting systems. S.A. Kliuev, L.A. TSiperman. Svetotekhnika 10 no.4:21-22 Ap '64.

ELECTRIC LIGHT FIXTURES—SAFETY MEASURES

Requirements of light fixtures in the new "Regulations for manufacturing enclosed electrical equipment." IU.B. Aizenberg, A.S. Zusman. Svetotekhnika 10 no.4:20-21 Ap '64.

ELECTRIC LIGHTING

Brief news. Svetotekhnika 10 no.4:27 Ap '64.

Calculation of the electric lighting networks of industrial enterprises taking into account voltage losses. N.K. Arkhipov. Prom. energ. 19 no.2:34-36 F '64.

Detection time of constant color signal lights with daylight level of background light intensity. V.G. Rachkova. Svetotekhnika 10 no.4:15-17 Ap '64.

Development of Russian lighting engineering and objectives of our periodical for 1964. Svetotekhnika 10 no.1:1-3 Ja '64.

Electric lighting in schools of higher education. D.A. Zil'ber, V.V. Nasonov. Svetotekhnika 10 no.1:22-25 Ja '64.

Gutorov, M.M. [Principles of electric lighting engineering and light sources] Osnovy svetotekhniki i istochniki sveta. Moskva, Mosk. energeticheskii in-t
Pt.1. Krupennikova, L.L., ed. 1962. 148 p.
[MICROFILM]

In the factories. Prom. energ. 19 no.4:47 Ap '64.

Through the pages of foreign magazines. Svetotekhnika 10 no.1:30-31 Ja '64.

Through the pages of foreign magazines. Svetotekhnika 10 no.4:30-31 Ap '64.

Vargin, V.A., and others. [Steel enameled electroluminescent panels developed by the Leningrad Technological Institute in 1963] Stal'nye emalirovannye elektroliuminestsentnye paneli LTI 1963 goda. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia, no.8)

ELECTRIC LIGHTING (Continued)

Work of the light engineering section of the Central Administration of the Scientific and Technical Society of the Power Industry in 1963. M. S. Dadiomov. Svetotekhnika 10 no. 4:29 Ap '64.

ELECTRIC LINES—OVERHEAD

Decrease in the resistance of grounding devices using clay suspensions. Kh. Kh. Raba. Prom. energ. 19 no. 2:11-13 F '64.

Elevated cable ducts in a chemical plant. S. A. Gol'denberg, V. IU. Poluektov. Prom. energ. 19 no. 4:35-37 Ap '64.

Reconstruction of an operating 110 kv. power transmission line. A. IA. Lepilin. Energetik 11 no. 12:10-19 D '63.

ELECTRIC LINES—POLES AND TOWERS

Deep grounding of reinforced concrete 35-110 kv. power transmission line towers with unstressed equipment. A. V. Sadchikov. Energetik 11 no. 12:9-10 D '63.

Device for replacing suspension insulator chains AILB-12 and UILB-12 anchor and corner metal towers. V. IA. Dubinskii. Energetik 11 no. 12:18 D '63.

Grounding of single-pole reinforced concrete power transmission line poles. IA. A. TSirel', N. A. Velikii. Energetik 11 no. 12:4-8 D '63.

ELECTRIC LINES—TESTING

Device for checking the connecting wires of longitudinal differential protection systems of power transmission lines. IU. I. Karinskii. Izv. vys. ucheb. zav.; energ. 7 no. 4:95-90 Ap '64.

Topical exhibit at the Exhibition of the Achievements of the National Economy of the U. S. S. R. Prom. energ. 19 no. 4:52 Ap '64.

ELECTRIC LOCOMOTIVES

(see also subdivision under Novocherkassk)

Effect of the speed of motion of the locomotive on the sparking of the traction motor. V. P. Beliaev. Trudy OMIIT 37:81-87 '62.

Practical recommendations for the operation of the CHS2 electric locomotive. IU. B. Sentushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga 7 no. 12:33-35 D '63.

Practical recommendations on the ChS2 electric locomotive. IU. V. Sentushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga 8 no. 1:31-32 Ja '64.

Rubber shock absorbers instead of steel springs. A. S. Lisovskii and others. Elek. i tepl. tiaga 8 no. 1:12-13 Ja '64.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [New types of multiple-system electric locomotives] Novye tipy mnogosistemnykh elektrovozov. Moskva, TSentr. in-t nauchno-tekhn. informatsii priborostroeniia, elektrotekhn. promyshl. i sredstv avtomatizatsii, 1963. 45 p. (Elektro-tekhnicheskaia promyshlennost' za rubezhom)
[MICROFILM]

Theoretical studies of the reliability of mercury rectifier cooling networks. A. S. Shilov. Trudy OMIIT 37:88-90 '62.

The VL41 a. c. switch engine. L. A. Kuz'menko, S. B. Matusevich. Elek. i tepl. tiaga 8 no. 1:22-35 Ja '64.

ELECTRIC LOCOMOTIVES—BRAKES

Circuit of electric air actuated brakes for the VL60P electric locomotive. M. A. Katser, E. E. Porokhin. Elek. i tepl. tiaga 7 no. 12:27-30 D '63.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

It is not difficult to eliminate this kind of defect. V. G. Angelov. Elek. i tepl. tiaga 7 no. 12:43 D '63.

ELECTRIC LOCOMOTIVES—PAINTING see subdivision under Novocherkassk

ELECTRIC LOCOMOTIVES—TESTING

Commutation tests of an eight-axle electric locomotive with regulated characteristics. A. M. Trushkov, G. I. Solonenko. Trudy OMIIT 37:65-74 '62.

ELECTRIC LOGGING (OIL WELLS) see Oil well logging, Electric

ELECTRIC MACHINERY

Analysis of the dimension diagram for a set of collector plates. V. S. Isaev. Vest. mashinostr. 44 no. 4:48-52 Ap '64.

Calculation of the heating of asynchronous machines using a thermal parameter method. O. A. Nekrasov, V. V. Shevchenko, G. G. Rekus. Izv. vys. ucheb. zav.; energ. 7 no. 1:40-46 Ja '64.

Determination of frequency and load characteristics of saturated asynchronous machines using a similitude method. A. V. Ivanov-Smolenskii, P. I. Lapchenko. Izv. AN SSSR. Energ. i transp. no. 2:169-181 Mr-Ap '64.

Electric heater for heating the collectors of electrical machines. V. I. Turchenkov. Energetik 11 no. 12:19-20 D '63.

Lototskii, K. V. [Electrical machines and the principles of electric drives] Elektricheskie mashiny i osnovy elektroprivoda. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

Scientific and technical lecture conference on "New electrical equipment of industrial enterprises and its operation." A. A. Taits. Prom. energ. 19 no. 4:50-51 Ap '64.

Use of magnetic amplifiers for increasing the accuracy of voltage regulation in autodynes. N. V. Lorents. Trudy MIIT no. 171:100-111 '63.

Voltage-time characteristics of air gaps at large impulses with long duration. V. P. Larionov, A. Zeitun. Izv. vys. ucheb. zav.; energ. 7 no. 1:13-19 Ja '64.

ELECTRIC MACHINERY—DIRECT CURRENT

Some experimental data essential for the development of methods for calculating the temperature fields of d. c. machines using electronic computers. I. N. Bogaenko. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:316-323 '64.

ELECTRIC MACHINERY—PATENTS

Inventions. Energ. i elektrotekh. prom no. 1:32-33 Ja-Mr '64.

ELECTRIC MACHINERY—TESTING

Profile meter for studying the surface of the collectors of electrical machines. K. K. Namitokov, V. F. Chepura. Energ. i elektrotekh. prom. no. 1:53 Ja-Mr '64.

ELECTRIC MACHINERY, SYNCHRONOUS

Automatic excitation control system of a synchronous machine operating in motor and generator modes. B. V. Kvartal'nov, V. M. Pinchuk, A. N. Tikhomirov. Izv. vys. ucheb. zav.; energ. 7 no. 4:1-6 Ap '64.

Leningrad. Elektrotekhnicheskii institut sviazi. [Description of laboratory procedures in a course in electric machinery] Sbornik opisanii laboratornykh rabot po kursu elektricheskikh mashin. Leningrad.
No. 2. [Synchronous machines] Sinkhronnye mashiny. 1962. 73 p.

ELECTRIC MACHINERY INDUSTRY—MANAGEMENT see subdivision under Novocherkassk

ELECTRIC MEASUREMENTS

Device for indicating voltage in electrical networks. I. B. Garber. Elek. i tepl. tiaga 8 no. 1:12-13 Ja '64.

Device for measuring reverse currents. N. E. Eremin. Elek. i tepl. tiaga 7 no. 12:24-25 D '63.

Digital metering device for telemetering. N. I. Kalatozishvili, N. G. Makharadze. Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:83-87 '63.

Electronic attachment to an analog computer for measuring potentials. V. V. Kleimenov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:390 '64.

The Fifth All-Union Conference on Automatic Control and the Methods of Electric Measurements. L. S. Timonen. Priborostroenie no. 4:32 Ap '64.

Improved circuit of an electromagnetic flowmeter. IU. A. Cherniak, V. A. Marchenko. Avtom. i prib. no. 1:53-55 Ja-Mr '64.

Integral criterion and its use in measuring techniques. S. B. Benilov. Trudy MIIT no. 171:112-127 '63.

Kuleshov, V. N., and V. O. Shvartsman. [Electrical measurements of long-distance cable lines] Elektricheskie izmereniia mezhdugorodnykh kabelei sviazi. Moskva, Izd-vo "Sviaz," 1964. 263 p.

Method for measuring currents and voltages of subsonic frequencies. I. A. Zograf and others. Priborostroenie no. 4:8 Ap '64.

Plotting meters of four-pole transmission factors with a digital reading. V. A. Dvinskikh. Priborostroenie no. 12:4-5 D '63.

A small measuring cell. V. I. Glazunov. Elektrotekhnika 35 no. 3:51 Mr '64.

Vibratory induction pickup for automatic control of linear dimensions of parts. G. G. Zemskov. Avtom. i prib. no. 1:56-57 Ja-Mr '64.

ELECTRIC METAL CUTTING

Role of the size of the minimum gap between the electrodes in the erosion effect in the presence of electrode vibration. M. K. Mitskevich. Dokl. AN BSSR 8 no. 3:184-187 Mr '64.

Spark instead of cutting tool. R. IArov. Izobr. i rats. no. 3:26 '64.

ELECTRIC METERS

Device for recording electric power consumption in rolling billets. S. A. Malyi. Priborostroenie no. 12:10-12 D '63.

Examining an instrument for measuring heavy direct current and high-tension direct current. A. I. Gorfman. Sbor. nauch. trud. LISI no. 22:45-53 '55.

ELECTRIC MOTORS

Electric micromotors for all-purpose applications. F. M. IUferov. Prom. energ. 19 no. 2:41-47 F '64.

Executive electric motors of automatically controlled systems. F. M. IUferov. Prom. energ. 19 no. 4:38-42 Ap '64.

Machine for centrifugal babbitt filling of bearing bushings of electric motors. V. E. Gerasimov. Energetik 11 no. 12:16-17 D '63.

Universal lead-in devices for enclosed electric motors. B. E. Teplitskii. Prom. energ. 19 no. 4:12-14 Ap '64.

ELECTRIC MOTORS—SAFETY MEASURES

Protection of electric motors in mines against irregular working conditions. I. V. Potylitsyn, I. P. Butenko. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:164-169 '63.

ELECTRIC MOTORS—STARTING DEVICES

Self-start network of low-voltage electric motors. M. Kh. Vinokur. Prom. energ. 19 no. 2:58-59 F '64.

ELECTRIC MOTORS—WINDINGS

Saturation of electric motor windings with insulating lacquers using an ultrasonic technique. A. P. Gindis, V. S. Shorgin. Energ. i elektrotekh. prom. no. 1:30-32 Ja-Mr '64.

ELECTRIC MOTORS, DIRECT CURRENT

Direct current motor with printed armature winding. IU. K. Vasil'ev, and others. Energ. i elektrotekh. prom. no. 1:25-28 Ja-Mr '64.

Reply to O. G. Vegner's remarks on the book "Commutation of d. c. machines." M. F. Karasev. Trudy OMIIT 37:5-11 '62.

ELECTRIC MOTORS, INDUCTION

Approximate solution of a steady-state problem on the heating of asynchronous motors using digital computers. V. V. Cherchopov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:324-331 '64.

Contribution to the theory of an asynchronous inductor motor. V. S. Sharov. Elektrotekhnika 35 no. 3:12-15 Mr '64.

High-voltage reversers and contactors with multiple arc-quenching chamber. A. M. Ubiiko, A. D. Rybkind. Elektrotekhnika 35 no. 3:48-50 Mr '64.

Mekhedko, F. V., and B. V. Kuznetsov. [Asynchronous motors] Asinkhronnye dvigateli. Minsk, Izd-vo "Belarus'," 1963. 157 p. (Bibliotechka elektromontera, no. 10)

Methods of determining the efficiency of induction machine-rectifier and rectifier cascades. N. I. Alekseev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:132-139 '64.

Relative parameters of regulated asynchronous motors with squirrel-cage rotors. P. IU. Kaazik. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:339-347 '64.

Rewinding of an asynchronous motor for operation from 1000 to 1500 r. p. m. L. G. Rubo. Prom. energ. 19 no. 2:59-60 F '64.

Start of three-phase motors from a network with limited power handling capacity. V. P. Murav'ev, S. I. Fershter. Prom. energ. 19 no. 4:18-20 Ap '64.

Two-stage protection of cutter-loader induction motors. IU. G. Vesnin. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:160-163 '63.

Universal method for calculating the characteristics of dynamic braking of asynchronous motors. I. I. Sallak, R. V. Fil'ts. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:348-355 '64.

Universal program for calculating the currents of asynchronous motors with short-circuited rotors. D. E. Sinel'nikov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:305-315 '64.

ELECTRIC MOTORS, SYNCHRONOUS

Study of an asynchronized synchronous motor. IU. G. Shakarian, N. N. Blotskii, B. P. Klimov. Elektrotekhnika 35 no. 3:9-12 Mr '64.

ELECTRIC NETWORKS

Abriutin, V. N. [Electromagnetic transients in electrical networks and systems] Elektromagnitnye perekhodnye protsessy v elektricheskikh setiakh i sistemakh; uchebnoe posobie. Leningrad, Severo-Zapadnyi zaochnyi politekh. in-t, 1962. 278 p.

Automation of the programming of electric network calculations using electronic digital computers. IU. V. Shcherbina. Energ. i elektrotekh. prom. no. 1:39-41 Ja-Mr '64.

Concerning a theorem of harmonic synthesis and its application in the calculation of transients in linear circuits. V. G. Osipenko. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:283-294 '64.

Controlled nonlinear four-terminal network. O. E. Buslovskii, L. K. Chirkin. Izv. LETI no. 43:96-99 '60.

Govorkov, V. A. [A. C. networks with ferromagnetic cores] TSepi peremennogo toka s ferromagnitnymi serdechnikami; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 78 p.
[MICROFILM]

Integral criterion and its use in measuring techniques. S. B. Benilov. Trudy MIIT no. 171:112-127 '63.

ELECTRIC DISCHARGES THROUGH GASES

Electron temperature in a high-power impulsive discharge. IU.K. Zemtsov, V.D. Pis'mennyi, I.M. Podgornyi. Dokl. AN SSSR 155 no.2:312-315 Mr '64.

Mechanism of the conversion of methane to acetylene in electrical discharges. Part 2 [with summary in English]. F.N. Borisova, E.N. Eremin. Zhur. fiz. khim. 36 no.11:2334-2339 N '62.

ELECTRIC DRIVING

Basharin, A.V., F.N. Golubev, and V.G. Kepperman. [Design examples of an automated electric drive] Primery raschetov avtomatizirovannogo elektroprivoda. Pod red. A.V. Basharina. Moskva, Izd-vo "Energiia," 1964. 389 p.

Device for automatic inverter braking control. V.S. Sychev, B.I. Dubovsev. Elektrotekhnika 35 no.3:52-53 Mr '64.

Lototskii, K.V. [Electrical machines and the principles of electric drives] Elektricheskie mashiny i osnovy elektroprivoda. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

Noncontact system of optimum pulsed control of an electric drive. N.G. Lysenko and others. Avtom. i prib. no.1:11-15 Ja-Mr '64.

Start of three-phase motors from a network with limited power handling capacity. V.P. Murav'ev, S.I. Fershter. Prom. energ. 19 no.4:18-20 Ap '64.

ELECTRIC DRIVING—SAFETY MEASURES

Universal lead-in devices for enclosed electric motors. B.K. Teplitskii. Prom. energ. 19 no.4:12-14 Ap '64.

ELECTRIC ENGINEERING

Levinshtein, M.L. [Operational calculus and its application to electrical engineering problems] Operatsionnoe ischislenie i ego prilozheniia k zadacham elektrotekhniki. Moskva, Izd-vo "Energiia," 1964. 465 p.

Pasechnik, N.D. [Elementary electrical engineering] Elementarnaia elektrotekhnika. 9 ispr. izd. Kiev, "Tekhnika," 1964. 231 p.

Rabinovich, E.A., and V.D. Surguchev. [Collection of problems in general electrical engineering] Sbornik zadach po obshchei elektrotekhnike. Izd. 4., perer. Moskva, Izd-vo "Energiia," 1964. 320 p

Through the pages of trade journals. Prom. energ. 19 no.2:61-62 F '64.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no.5 My '64. Avtorskii ukazatel' za 1963 g.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—INFORMATION SERVICES see subdivision under Erivan

ELECTRIC ENGINEERING—LABORATORY MANUALS

Leningrad. Elektrotekhnicheskii institut sviazi. [Description of laboratory procedures in a course in electric machinery] Sbornik opisanii laboratornykh rabot po kursu elektricheskikh mashin. Leningrad.

No.2. [Synchronous machines] Sinkhronnye mashiny. 1962. 73 p.

ELECTRIC ENGINEERING—MATERIALS

Improvement of technological features of electrical steel. S.D. Shalfeev, A.S. Galiakbarov, N.S. IAkubov. Elektrotekhnika 35 no.3:56-57 Mr '64.

Polymers and their prospective use in thermal power engineering. P.A. Akol'zin, F.G. Prokhorov. Teploenergetika 11 no.5:31-35 My '64.

ELECTRIC ENGINEERING—NOTATION

Conventional graphical symbols for electrical networks. Avtom. telem. i sviaz' no.3:45 Mr '64.

ELECTRIC ENGINEERING—STUDY AND TEACHING

Electrical wiring operations. V.A. Poliakov. Shkola i proizv. 8 no.3:41-44 Mr '64.

Laboratory work on electric engineering. P. Prozukin. Prof.-tekh. obr. 21 no.4:17-18 Ap '64.

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Bulgaria)

Growth reserves in the labor productivity of the electric equipment industry. V.E. Astaf'ev, N.N. Skvortsov. Energ. i elektrotekh. prom. no.1:63-67 Ja-Mr '64.

Vasil'ev, I.I. [Reserves into action] Rezervy - v deistvie! Saransk, Mordovskoe knizhnoe izd-vo, 1962. 38 p.

ELECTRIC EQUIPMENT INDUSTRY—SAFETY REGULATIONS

Saburov, N.IA., and A.I. Shirokov, comps. [Safety engineering rules in effect in the electric equipment and radio industries] Sbornik deistvuiushchikh pravil po tekhnike bezopasnosti v elektrotekhnicheskoi i radiotekhnicheskoi promyshlennosti. Moskva, Izd-vo "Energiia," 1964. 520 p.

ELECTRIC FIELDS

Effect of the electric field on the development of porosity during mutual diffusion in single alkali-halogen crystals. IA.E. Geguzin, V.I. Solunskii. Dokl. AN SSSR 156 no.3: 644-646 '64.

Electric field in the annular region formed by the crossing of two cones and two spheres for a case of given potential on one of the cones. IU.M. Volokobinskii. Izv. LETI no.43:23-30 '60.

Electric field strength at the surface of a body in plasma. A.V. Gurevich. Kosm. issl. 2 no.2:232-245 Mr-Ap '64.

Experimental study of the electric field in the heating of wet insulation. IU.I. Bannikov. Izv. vys. ucheb. zav.; energ. 7 no.4:30-34 Ap '64.

Measurements of the natural electric field in the sea. E.A. Domanitskii, M.G. Strunskii. Okeanologiia 4 no.2:325-330 '64.

System for the automatic registration of fields using an electrolytic tank technique. V.I. Petrunin. Izv. LETI no.43:39-44 '60.

Use of electrically conductive paper in modeling electric fields of insulators. A.D. Shinkov. Izv. LETI no.43: 31-38 '60.

ELECTRIC FILTERS

Besekerskii, V.A., S.B. Vostokov, and IA.M. TSeitlin. [Electromechanical smoothing devices] Elektromekhanicheskie sglazhivaiushchie ustroistva. Leningrad, "Sudostroenie," 1964. 145 p.

Generalization on a problem concerning the synthesis of a discrete continuous filter. V.IA. Katkovnik. Izv. AN SSSR. Tekh. kib. no.2:75-81 Mr-Ap '64.

ELECTRIC FISHING

Panin, S.E. [Fishing with light] Lov ryby na svet. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 75 p. (Bibliotechka rybaka)

ELECTRIC FURNACES

Crucible tilting electric furnace. A.T. Orlov. Transp. stroi. 13 no.11:61 N '63.

Review of N.A. Markov's book "Electrical networks of electric arc furnaces." Elektrotekhnika 35 no.3:63-64 Mr '64.

Sapko, A.I. [Executive mechanisms of the power regulators of electric arc furnaces] Ispolnitel'nye mekhanizmy reguliatorov moshchnosti dugovykh elektropechei. Moskva, Gosenergoizdat, 1963. 110 p. (Biblioteka elektrotermista, no.16)

Study of the distribution of electric current in a three-phase ore smelting furnace using models. P.P. Cherdovskikh. Izv. vys. ucheb. zav.; energ. 7 no.1:46-53 Ja '64.

ELECTRIC FUSES

Concerning the design of the E-27 protector. V.I. Kuznetsov. Prom. energ. 19 no.2:58 F '64.

Production of calibrated fuse links. IA.L. IAkirevich. Prom. energ. 19 no.2:57-58 F '64.

ELECTRIC GENERATORS

Causes of unsatisfactory commutation in the main generators of diesel locomotives. M.F. Karasev, A.M. Trushkov, V.P. Paramzin. Trudy OMIIT 37:57-64 '62.

Concerning M.V. Machinskii's article "Equivalent circuits of a multiple unit system as a means for studying its static stability." V.M. Matiukhin. Izv. vys. ucheb. zav.; energ. 7 no.4:109-110 Ap '64.

"Electromechanical inductor generators" by V.S. Sharov. Reviewed by I.S. Rogachev, A.N. Tkachenko. Izv. vys. ucheb. zav.; elektromekh. 7 no.3:391-392 '64.

Equivalent representation of the generators of autonomous electric power systems in the calculations of static stability. V.T. Morozovskii. Izv. AN SSSR. Energ. i transp. no.2:220-226 Mr-Ap '64.

Generation of linear scanning of long duration. L.L. Dekabrun, IU.N. Kil'ianov. Prib. i tekh. eksp. 9 no.2:72-75 Mr-Ap '64.

High-voltage pulse generators for spark counters. N.A. Burgov, IU.T. Kiselev, V.I. Ushakov. Prib. i tekh. eksp. 9 no.2:104-107 Mr-Ap '64.

Mobile 300kw. 10 cps. voltage pulse generator. V.S. Barantsev, I.I. Kaliatskii, R.E. Klein. Prib. i tekh. eksp. 9 no.2:106-109 Mr-Ap '64.

ELECTRIC GENERATORS—DRYING

Drying of the main generator of the TEM1 diesel locomotive using short-circuit current. V.F. Doroshenko. Elek. i tepl. tiaga 8 no.1:29 Ja '64.

ELECTRIC INSTRUMENTS—RELIABILITY

Increase the reliability of electric instruments. A. Antonian. Prom. Arm. 7 no.3:59-60 Mr '64.

ELECTRIC INSULATORS AND INSULATION

Design principles of high-voltage high-frequency insulators. N.P. Bogoroditskii, IU.M. Volokobinskii, V.N. Tairov. Izv. LETI no.43:12-22 '60.

Effect of electrode vibration on stresses and currents in a dielectric. K.F. Stepanchuk. Izv. vys. ucheb. zav.; energ. 7 no.4:23-29 Ap '64.

Electric field in the annular region formed by the crossing of two cones and two spheres for a case of given potential on one of the cones. IU.M. Volokobinskii. Izv. LETI no.43:23-30 '60.

Experimental study of the electric field in the heating of wet insulation. IU.I. Bannikov. Izv. vys. ucheb. zav.; energ. 7 no.4:30-34 Ap '64.

New high-voltage rod-type insulators from crystallized glass materials. B.I. Gaidash, K.T. Bondarev. Energ. i elektrotekh. prom. no.1:29-30 Ja-Mr '64.

Polymeric materials should be used on a wider and more effective scale. Elek. i tepl. tiaga 8 no.1:1-4 Ja '64.

Properties of acetylized electric insulation paper. F.I. Korchemkin, A.I. Bobrov. Bum. prom. no.1:15-16 Ja '64.

Use of electrically conductive paper in modeling electric fields of insulators. A.D. Shinkov. Izv. LETI no.43: 31-38 '60.

Voltage-time characteristics of air gaps at large impulses with long duration. V.P. Larionov, A. Zoltan. Izv. vys. ucheb. zav.; energ. 7 no.1:13-19 Ja '64.

ELECTRIC INSULATORS AND INSULATION—TESTING

Color for permanently marking rubber articles. M.V. Khomiakov. Prom. energ. 19 no.2:60 F '64.

ELECTRIC IRONS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Present-day technology in the manufacture of electric irons; abstracts] Sovremennaia tekhnologiia proizvodstva elektroutiugov; referativnaia informatsiia. Moskva, TSentr. in-t nauchno-tekhn. informatsii elektrotekhn. promyshl. i priborostroeniia, 1962. 23 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

[MICROFILM]

ELECTRIC LAMPS

Lamps for apartment house and auxiliary space. Biul. stroi. tekh. 20 no.11:21-22 N '63.

Making the electric lamp "Gribok". A. Kartashov. Shkola i proizv. 8 no.3:60-64 Mr '64.

ELECTRIC LIGHT FIXTURES
(see also subdivision under Poland)

Controversial problems in the methodology of technical and economic comparisons in the field of electric lighting fixtures. G.M. Knorring. Svetotekhnika 10 no.1:26-27 Ja '64.

Overhead and wall-type light fixtures with incandescent lamps. Svetotekhnika 10 no.4:32 Ap '64.

Plug-type connector for industrial light fixtures with incandescent and DRL lamps. M.G. Lur'e, E.S. Rozental'. Svetotekhnika 10 no.4:23-24 Ap '64.

The quality of lampholders should be improved. N.M. Burnyshev. Svetotekhnika 10 no.1:29 Ja '64.

Reference materials for use in designing light fixtures with DRL lamps. G.M. Knorring. Svetotekhnika 10 no.4:25-27 Ap '64.

Technical and economic comparisons of electric lighting systems. S.A. Kliuev, L.A. TSiperman. Svetotekhnika 10 no.4:21-22 Ap '64.

ELECTRIC LIGHT FIXTURES—SAFETY MEASURES

Requirements of light fixtures in the new "Regulations for manufacturing enclosed electrical equipment." IU.B. Aizenberg, A.S. Zusman. Svetotekhnika 10 no.4:20-21 Ap '64.

ELECTRIC LIGHTING

Brief news. Svetotekhnika 10 no.4:27 Ap '64.

Calculation of the electric lighting networks of industrial enterprises taking into account voltage losses. N.K. Arkhipov. Prom. energ. 19 no.2:34-38 F '64.

Detection time of constant color signal lights with daylight level of background light intensity. V.G. Rachkova. Svetotekhnika 10 no.4:15-17 Ap '64.

Development of Russian lighting engineering and objectives of our periodical for 1964. Svetotekhnika 10 no.1:1-3 Ja '64.

Electric lighting in schools of higher education. D.A. Zil'ber, V.V. Nasonov. Svetotekhnika 10 no.1:22-25 Ja '64.

Gutorov, M.M. [Principles of electric lighting engineering and light sources] Osnovy svetotekhniki i istochniki sveta. Moskva, Mosk. energeticheskii in-t

Pt.1. Krupennikova, L.I., ed. 1962. 148 p.

[MICROFILM]

In the factories. Prom. energ. 19 no.4:47 Ap '64.

Through the pages of foreign magazines. Svetotekhnika 10 no.1:30-31 Ja '64.

Through the pages of foreign magazines. Svetotekhnika 10 no.4:30-31 Ap '64.

Vargin, V.A., and others. [Steel enameled electroluminescent panels developed by the Leningrad Technological Institute in 1963] Stal'nye emalirovannye elektroliuminestsentnye paneli LTI 1963 goda. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia, no.6)

ELECTRIC LIGHTING (Continued)

Work of the light engineering section of the Central Administration of the Scientific and Technical Society of the Power Industry in 1963. M.S. Dadiomov. Svetotekhnika 10 no.4:29 Ap '64.

ELECTRIC LINES—OVERHEAD

Decrease in the resistance of grounding devices using clay suspensions. Kh.Kh.Raba. Prom.energ. 19 no.2:11-13 F '64.

Elevated cable ducts in a chemical plant. S.A.Gol'denberg, V.IU.Poluektov. Prom.energ. 19 no.4:35-37 Ap '64.

Reconstruction of an operating 110 kv. power transmission line. A.IA.Lepilin. Energetik 11 no.12:18-19 D '63.

ELECTRIC LINES—POLES AND TOWERS

Deep grounding of reinforced concrete 35-110 kv. power transmission line towers with unstressed equipment. A.V.Sadchikov. Energetik 11 no.12:9-10 D '63.

Device for replacing suspension insulator chains AILB-12 and UILB-12 anchor and corner metal towers. V.IA. Dubinskii. Energetik 11 no.12:18 D '63.

Grounding of single-pole reinforced concrete power transmission line poles. IA.A.TSirel', N.A.Velikii. Energetik 11 no.12:4-8 D '63.

ELECTRIC LINES—TESTING

Device for checking the connecting wires of longitudinal differential protection systems of power transmission lines. IU.I.Karinskii. Izv.vys.ucheb.zav.; energ. 7 no.4:95-99 Ap '64.

Topical exhibit at the Exhibition of the Achievements of the National Economy of the U.S.S.R. Prom.energ. 19 no.4:52 Ap '64.

ELECTRIC LOCOMOTIVES
(see also subdivision under Novocherkassk)

Effect of the speed of motion of the locomotive on the sparking of the traction motor. V.P.Beliaev. Trudy OMIIT 37:81-87 '62.

Practical recommendations for the operation of the ChS2 electric locomotive. IU.B.Seniushkin, V.T. Rogov, G.A.Chilikin. Elek.i tepl.tiaga 7 no.12:33-35 D '63.

Practical recommendations on the ChS2 electric locomotive. IU.V.Seniushkin, V.T.Rogov, G.A.Chilikin. Elek.i tepl.tiaga 8 no.1:31-32 Ja '64.

Rubber shock absorbers instead of steel springs. A.S. Lisovskii and others. Elek.i tepl.tiaga 8 no.1:12-13 Ja '64.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [New types of multiple-system electric locomotives] Novye tipy mnogosistemnykh elektrovozov. Moskva, TSentr. in-t nauchno-tekhn. informatsii priborostroeniia, elektrotekhn.promyshl. i sredstv avtomatizatsii, 1963. 45 p. (Elektro-tekhnicheskaia promyshlennost' za rubezhom) [MICROFILM]

Theoretical studies of the reliability of mercury rectifier cooling networks. A.S.Shilov. Trudy OMIIT 37:88-90 '62.

The VL41 a.c. switch engine. L.A.Kuz'menko, S.B. Matusevich. Elek.i tepl.tiaga 8 no.1:22-35 Ja '64.

ELECTRIC LOCOMOTIVES—BRAKES

Circuit of electric air actuated brakes for the VL60P electric locomotive. M.A.Katser, E.E.Porokhin. Elek.i tepl.tiaga 7 no.12:27-30 D '63.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

It is not difficult to eliminate this kind of defect. V.G. Angelov. Elek.i tepl.tiaga 7 no.12:43 D '63.

ELECTRIC LOCOMOTIVES—PAINTING see subdivision under Novocherkassk

ELECTRIC LOCOMOTIVES—TESTING

Commutation tests of an eight-axle electric locomotive with regulated characteristics. A.M.Trushkov, G.I. Solonenko. Trudy OMIIT 37:65-74 '62.

ELECTRIC LOGGING (OIL WELLS) see Oil well logging, Electric

ELECTRIC MACHINERY

Analysis of the dimension diagram for a set of collector plates. V.S.Isaev. Vest.mashinostr. 44 no.4:48-52 Ap '64.

Calculation of the heating of asynchronous machines using a thermal parameter method. O.A.Nekrasov, V.V.Shevchenko, G.G.Rekus. Izv.vys.ucheb.zav.; energ. 7 no.1:40-46 Ja '64.

Determination of frequency and load characteristics of saturated asynchronous machines using a similitude method. A.V.Ivanov-Smolenskii, P.I.Lapchenko. Izv.AN SSSR.Energ.i transp. no.2:169-181 Mr-Ap '64.

Electric heater for heating the collectors of electrical machines. V.I.Turchenkov. Energetik 11 no.12:19-20 D '63.

Lototskii, K.V. [Electrical machines and the principles of electric drives] Elektricheskie mashiny i osnovy elektroprivoda. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

Scientific and technical lecture conference on "New electrical equipment of industrial enterprises and its operation." A.A.Taits. Prom.energ. 19 no.4:50-51 Ap '64.

Use of magnetic amplifiers for increasing the accuracy of voltage regulation in autodynes. N.V.Lorents. Trudy MIIT no.171:100-111 '63.

Voltage-time characteristics of air gaps at large impulses with long duration. V.P.Larionov, A.Zeitun. Izv.vys.ucheb.zav.; energ. 7 no.1:13-19 Ja '64.

ELECTRIC MACHINERY—DIRECT CURRENT

Some experimental data essential for the development of methods for calculating the temperature fields of d.c. machines using electronic computers. I.N.Bogaenko. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:316-323 '64.

ELECTRIC MACHINERY—PATENTS

Inventions. Energ.i elektrotekh.prom no.1:32-33 Ja-Mr '64.

ELECTRIC MACHINERY—TESTING

Profile meter for studying the surface of the collectors of electrical machines. K.K.Namitokov, V.F.Chepura. Energ.i elektrotekh.prom. no.1:53 Ja-Mr '64.

ELECTRIC MACHINERY, SYNCHRONOUS

Automatic excitation control system of a synchronous machine operating in motor and generator modes. B.V. Kvartal'nov, V.M.Pinchuk, A.N.Tikhomirov. Izv.vys.ucheb.zav.; energ. 7 no.4:1-6 Ap '64.

Leningrad. Elektrotekhnicheskii institut sviazi. [Description of laboratory procedures in a course in electric machinery] Sbornik opisanii laboratornykh rabot po kursu elektricheskikh mashin. Leningrad.

No.2. [Synchronous machines] Sinkhronnye mashiny. 1962. 73 p.

ELECTRIC MACHINERY INDUSTRY—MANAGEMENT see subdivision under Novocherkassk

ELECTRIC MEASUREMENTS

Device for indicating voltage in electrical networks. I.B.Garber. Elek.i tepl.tiaga 8 no.1:12-13 Ja '64.

Device for measuring reverse currents. N.E.Eromin. Elek.i tepl.tiaga 7 no.12:24-25 D '63.

Digital metering device for telemetering. N.I.Kalatozishvili, N.G.Makharadze. Trudy Inst.elek.,avtom.i telem.AN Gruz.SSR 4:83-87 '63.

Electronic attachment to an analog computer for measuring potentials. V.V.Kleimenov. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:390 '64.

The Fifth All-Union Conference on Automatic Control and the Methods of Electric Measurements. L.S.Timonen. Priborostroenie no.4:32 Ap '64.

Improved circuit of an electromagnetic flowmeter. IU.A. Cherniak, V.A.Marchenko. Avtom.i prib. no.1:53-55 Ja-Mr '64.

Integral criterion and its use in measuring techniques. S.B.Benilov. Trudy MIIT no.171:112-127 '63.

Kuleshov, V.N., and V.O.Shvartsman. [Electrical measurements of long-distance cable lines] Elektricheskie izmereniia mezhdugorodnykh kabelei sviazi. Moskva, Izd-vo "Sviaz," 1964. 263 p.

Method for measuring currents and voltages of subsonic frequencies. I.A.Zograf and others. Priborostroenie no.4:8 Ap '64.

Plotting meters of four-pole transmission factors with a digital reading. V.A.Dvinskikh. Priborostroenie no.12:4-5 D '63.

A small measuring cell. V.I.Glazunov. Elektrotekhnika 35 no.3:51 Mr '64.

Vibratory induction pickup for automatic control of linear dimensions of parts. G.G.Zemskov. Avtom.i prib. no.1:56-57 Ja-Mr '64.

ELECTRIC METAL CUTTING

Role of the size of the minimum gap between the electrodes in the erosion effect in the presence of electrode vibration. M.K.Mitskevich. Dokl.AN BSSR 8 no.3:184-187 Mr '64.

Spark instead of cutting tool. R.IArov. Izobr.i rats. no.3:26 '64.

ELECTRIC METERS

Device for recording electric power consumption in rolling billets. S.A.Malyi. Priborostroenie no.12:10-12 D '63.

Examining an instrument for measuring heavy direct current and high-tension direct current. A.I.Gorfman. Sbor.nauch.trud.LISI no.22:45-53 '55.

ELECTRIC MOTORS

Electric micromotors for all-purpose applications. F.M. IUferov. Prom.energ. 19 no.2:41-47 F '64.

Executive electric motors of automatically controlled systems. F.M.IUferov. Prom.energ. 19 no.4:38-42 Ap '64.

Machine for centrifugal babbitt filling of bearing bushings of electric motors. V.E.Gerasimov. Energetik 11 no.12:16-17 D '63.

Universal lead-in devices for enclosed electric motors. B.E.Teplitskii. Prom.energ. 19 no.4:12-14 Ap '64.

ELECTRIC MOTORS—SAFETY MEASURES

Protection of electric motors in mines against irregular working conditions. I.V.Potylitsyn, I.P.Butenko. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:164-169 '63.

ELECTRIC MOTORS—STARTING DEVICES

Self-start network of low-voltage electric motors. M.Kh. Vinokur. Prom.energ. 19 no.2:58-59 F '64.

ELECTRIC MOTORS—WINDINGS

Saturation of electric motor windings with insulating lacquers using an ultrasonic technique. A.P.Gindis, V.S.Shorgin. Energ.i elektrotekh.prom. no.1:30-32 Ja-Mr '64.

ELECTRIC MOTORS, DIRECT CURRENT

Direct current motor with printed armature winding. IU.K.Vasil'ev, and others. Energ.i elektrotekh.prom. no.1:25-28 Ja-Mr '64.

Reply to O.G.Vegner's remarks on the book "Commutation of d.c. machines." M.F.Karasev. Trudy OMIIT 37:5-11 '62.

ELECTRIC MOTORS, INDUCTION

Approximate solution of a steady-state problem on the heating of asynchronous motors using digital computers. V.V.Cherchepov. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:324-331 '64.

Contribution to the theory of an asynchronous inductor motor. V.S.Sharov. Elektrotekhnika 35 no.3:12-15 Mr '64.

High-voltage reversers and contactors with multiple arc-quenching chamber. A.M.Ubiiko, A.D.Rybkind. Elektrotekhnika 35 no.3:48-50 Mr '64.

Mekhedko, F.V., and B.V.Kuznetsov. [Asynchronous motors] Asinkhronnye dvigateli. Minsk, Izd-vo "Belaruss'," 1963. 157 p. (Bibliotechka elektromontera, no.10)

Methods of determining the efficiency of induction machine-rectifier and rectifier cascades. N.I.Alekseev. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:132-139 '64.

Relative parameters of regulated asynchronous motors with squirrel-cage rotors. P.IU.Kaazik. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:339-347 '64.

Rewinding of an asynchronous motor for operation from 1000 to 1500 r.p.m. L.G.Rubo. Prom.energ. 19 no.2:59-60 F '64.

Start of three-phase motors from a network with limited power handling capacity. V.P.Murav'ev, S.I.Fershter. Prom.energ. 19 no.4:18-20 Ap '64.

Two-stage protection of cutter-loader induction motors. IU.G.Vesnin. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:160-163 '63.

Universal method for calculating the characteristics of dynamic braking of asynchronous motors. I.I.Saliak, R.V.Fil'ts. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:348-355 '64.

Universal program for calculating the currents of asynchronous motors with short-circuited rotors. D.E.Sinel'nikov. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:306-315 '64.

ELECTRIC MOTORS, SYNCHRONOUS

Study of an asynchronized synchronous motor. IU.G. Shakarian, N.N.Blotskii, B.P.Klimov. Elektrotekhnika 35 no.3:9-12 Mr '64.

ELECTRIC NETWORKS

Abriutin, V.N. [Electromagnetic transients in electrical networks and systems] Elektromagnitnye perekhodnye protsessy v elektricheskikh setiakh i sistemakh; uchebnoe posobie. Leningrad, Severo-Zapadnyi zaochnyi politekh. in-t, 1962. 278 p.

Automation of the programming of electric network calculations using electronic digital computers. IU.V. Shcherbina. Energ.i elektrotekh.prom. no.1:39-41 Ja-Mr '64.

Concerning a theorem of harmonic synthesis and its application in the calculation of transients in linear circuits. V.G.Osipenko. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:283-294 '64.

Controlled nonlinear four-terminal network. O.E. Buslovskii, L.K.Chirkin. Izv.LETI no.43:96-99 '60.

Govorkov, V.A. [A.C. networks with ferromagnetic cores] TSepi peremennogo toka s ferromagnitnymi serdechnikami; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 79 p. [MICROFILM]

Integral criterion and its use in measuring techniques. S.B.Benilov. Trudy MIIT no.171:112-127 '63.

ELECTRIC NETWORKS (Continued)

Leningrad. Leningradskii institut tochnoi mekhaniki i optiki. Kafedra teoreticheskikh osnov elektrotekhniki. [Study of the properties of single-phase and three-phase sine wave current; laboratory manual] Issledovanie svoistv odnofaznykh i trekhfaznykh tsepei sinusoidal'nogo toka; rukovodstvo dlia laboratornykh rabot. Sost. N.M. Funtov, E.M., Pevzner. Leningrad, 1962. 51 p.

Method for analyzing transient and steady-state processes in electrical networks subject to the action of a series of disturbances [with summary in English]. I.V. Fentchov. Dop. AN URSR no. 2:216-219 '64.

New conventional designations of the components of electric networks. A.H. Isolkina. Mekh. sil'. hosp. 15 no. 2:32, 3 of cover F '64.

Principle of the maximum mean load in the calculation of electrical networks. G.M. Kalalov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:367-374 '64.

Sokolov, M.M., and V.I. Kliuchev. [Collection of networks for the control of electric drives of industrial machines] Sbornik skhem upravleniia elektroprivodami obshchepromyshlennykh mekhanizmov. Moskva, Mosk. energeticheskii in-t, 1963. 19 p.

[MICROFILM]

Transformation of complex expressions using a grid nomogram technique. A.P. Mikhailov. Izv. vys. ucheb. zav.; energ. 7 no. 1:35-40 Ja '64.

Use of frequency methods in determining self-oscillatory operating modes. A.P. Miliutin. Trudy MIIT no. 171: 93-99 '63.

Zverev, A.E., and V.D. Kurganov. [Mathematical methods for analyzing linear electrical networks] Matematicheskie metody analiza lineinykh elektricheskikh tsepei; uchebnoe posobie. Pod obshchei red. S.A. Zvereva. Moskva, Mosk. aviatsionnyi tekhnologicheskii in-t, 1963. 154 p.

ELECTRIC NETWORKS—TESTING

Device for indicating voltage in electrical networks. I.B. Garber. Elek. i tepl. tiaga 8 no. 1:12-13 Ja '64.

ELECTRIC POTENTIAL see Potential, Theory of

ELECTRIC POWER
(see also subdivision under Europe, Western; Germany, West; United States)

[Electric power production and utilization in foreign countries; supplement to the periodical "Elektricheskie stantsii"] Energokhoz. za rub. nos. 2-3 Mr-Je '64.

Methodology for standardizing unit expenditures of electric power in grain receiving stations. P.P. IAstrebov, G.G. Kolodchka. Prom. energ. 19 no. 4:2-4 Ap '64.

Plenum of the economic section of the Moscow Scientific and Technological Society of the Power Industry on problems of the expenditure of electric power per worker in industry. V.I. Shvorin. Prom. energ. 19 no. 4:48-49 Ap '64.

Suggestions having received recognition at the Eighteenth All-Union Competition on the Saving of Thermal and Electric Energy. Prom. energ. 19 no. 2:51-55 F '64.

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no. 5 My '64. Avtorskii ukazatel' za 1963 g.

ELECTRIC POWER—COSTS

Dependence of rated unit cost indices of condensing power plants on construction completion time. D.S. Stepanov. Teploenergetika 11 no. 5:21-26 My '64.

ELECTRIC POWER—ELECTROMECHANICAL ANALOGIES

Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. [Electrodynamic modeling of power systems] Elektrodinamicheskoe modelirovanie energosistem. Pod red. M.P. Kostenko. Moskva, 1959. 225 p.
(ICMILC)

ELECTRIC POWER—MEASUREMENT

Tongs for electric power measurement. V.A. Alekseevich. Prom. energ. 19 no. 2:17-19 F '64.

ELECTRIC POWER DISTRIBUTION
(see also subdivision under Czechoslovakia; Moscow Province)

Concerning M.V. Machinskii's article "Equivalent circuits of a multiple unit system as a means for studying its static stability." V.M. Matiukhin. Izv. vys. ucheb. zav.; energ. 7 no. 4:109-110 Ap '64.

Concerning V.IA. Gannel's article "Power supply of control networks in systems with grounded neutral." M.R. Naifel'd. Prom. energ. 19 no. 2:57 F '64.

Contactless tripping of switches. S.S. Rozov. Energ. i elektrotekh. prom. no. 1:19-23 Ja-Mr '64.

Effect of self-synchronization and automatic reclosing of hydrogenerators on the dynamic stability of the system. I.A. Gruzdev, A.S. Zekkel'. Izv. vys. ucheb. zav.; energ. 7 no. 1:1-6 Ja '64.

Electromechanical equivalent representation in an automatically controlled power system. G.V. Mikhnevich. Izv. AN SSSR. Energ. i transp. no. 2:210-219 Mr-Ap '64.

Elevated cable ducts in a chemical plant. S.A. Gol'denberg, V.IU. Poluektov. Prom. energ. 19 no. 4:35-37 Ap '64.

Equivalent representation of a group of stations of a complex power system in oscillatory modes of operation. I.A. Orurk. Izv. AN SSSR. Energ. i transp. no. 2:191-201 Mr-Ap '64.

Equivalent representation of an active equivalent circuit. N.A. Mel'nikov. Izv. AN SSSR. Energ. i transp. no. 2: 227-230 Mr-Ap '64.

Equivalent transformation of complex electric power systems. V.P. Kovalenko. Izv. AN SSSR. Energ. i transp. no. 2:182-191 Mr-Ap '64.

Evaluation of power losses in the design of electrical networks. V.I. Denisov. Izv. vys. ucheb. zav.; energ. 7 no. 4:7-11 Ap '64.

Gladkii, V.I., M.I. Lobanov, and N.A. Slavchenko. [Power equipment, electrical equipment, and plumbing installations in construction; a manual] Energeticheskoe, elektrotekhnicheskoe i sanitarno-tekhnicheskoe oborudovanie v stroitel'stve; spravochnik. Kiev, Gos. izd-vo po stroit. i arkhit. USSR, 1964. 870 p.

Gol'dgof, B.G., IA.I. Leibzon, and E.A. Soskin. [Automatic and remote control of the power supply networks of industrial enterprises] Avtomatizatsiia i telemekhanizatsiia energosnabzheniia promyshlennykh predpriiatii. Moskva, Izd-vo "Energiia," 1964. 279 p.

Principle of the maximum mean load in the calculation of electrical networks. G.M. Kalalov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:367-374 '64.

Principles of the commutation of systems of electrical connections with group cutouts. S.V. Dikmarov. Izv. vys. ucheb. zav.; energ. 7 no. 1:7-13 Ja '64.

Retention of optimum operating conditions of power transformers of industrial enterprises. S.V. Dikmarov, V.E. Alferov, V.P. Vikhrov. Prom. energ. 19 no. 4: 5-7 Ap '64.

Russia (1923- U.S.S.R.) Tekhnicheskoe upravlenie po ekspluatatsii energosistem. [Regulations for the installation of electrical systems] Pravila ustroistva elektroustanovok. Izd. 3., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 455 p.

Scientific and technical conference on the application of probability and statistical techniques in the design and operation of electrical systems and power distribution networks. Energ. i elektrotekh. prom. no. 1:78-80 Ja-Mr '64.

Seminar on increasing the frequency in electric power systems. E.N. Zuev. Izv. AN SSSR. Energ. i transp. no. 2:270-271 Mr-Ap '64.

Smoothly regulated booster autotransformer for rural power distribution networks. N.M. Zul' and others. Elektrotekhnika 35 no. 3:25-27 Mr '64.

Transformation of complex electric power systems in stability calculations. L.A. Zhukov. Izv. AN SSSR. Energ. i transp. no. 2:202-209 Mr-Ap '64.

Use of radio techniques in frequency and power regulating systems. L.V. Fedotov. Energ. i elektrotekh. prom. no. 1:45-47 Ja-Mr '64.

Use of statistical analysis for substantiating composite active load distribution systems. R.D. TSiptsiura. Energ. i elektrotekh. prom. no. 1:41-44 Ja-Mr '64.

Vartanov, G.L., and V.M. Serebriakov. [Outdoor wiring and equipment installation operations] Naruzhnye elektromontazhnye raboty. Moskva, Stroiizdat, 1964. 209 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v zhilishchnom stroitel'stve)

ELECTRIC POWER DISTRIBUTION—HIGH TENSION

Increase in the operating voltage and choice of wires for extrahigh voltage transmission lines. G.N. Aleksandrov, I.F. Polovoi. Izv. vys. ucheb. zav.; energ. 7 no. 4:18-22 Ap '64.

Nekrasov, A.M., and S.S. Rokotian, eds. [500 kv. long-distance power transmission lines] Dal'nie elektroperedachi 500 kv; sbornik statei. Moskva, Izd-vo "Energiia," 1964. 389 p.

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Concerning A.B. Topolianskii's article "Problems of safety in electrical systems of the construction industry." M.S. Sandler, A.I. Chirkov, N.T. Sizov. Prom. energ. 19 no. 4:59-60 Ap '64.

Power transformers and improvement of the design of complex power distribution systems. V.S. Beliaev. Prom. energ. 19 no. 4:56-57 Ap '64.

ELECTRIC POWER PLANTS
(see also subdivision under Baltic Sea region; Germany, West; United States)

Automatic control of thermal processes in blocks with 200,000 kw. power ratings. O.V. Pomerantsev. Energ. i elektrotekh. prom. no. 1:34-38 Ja-Mr '64.

Automatic controller with a 24-hour data sheet for regulating the power output of an electric power station. N.I. Kalatozishvili. Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:75-82 '63.

Brief news. Prom. energ. 19 no. 4:54-55 Ap '64.

Dependence of rated unit cost indices of condensing power plants on construction completion time. D.S. Stepanov. Teploenergetika 11 no. 5:21-26 My '64.

Determination of fuel expenditure in a coal dust conduit and the productive capacity limit of a ball mill taking into account the resistance of the dust conduit. A.P. Kovalev, IA.A. Kagan. Teploenergetika 11 no. 5:38-42 My '64.

Effect of the traction load on the turbogenerators of electric power plants supplying single-phase 50 c.p.s. power to electric railroads. B.S. Barkovskii and others. Trudy OMIIT 37:146-150 '62.

Equivalent representation of the generators of autonomous electric power systems in the calculations of static stability. V.T. Morozovskii. Izv. AN SSSR. Energ. i transp. no. 2:220-226 Mr-Ap '64.

Features of choosing an effective central heating factor in limiting the power output of a thermal electric power plant. D.T. Arshakian. Izv. vys. ucheb. zav.; energ. 7 no. 4:49-57 Ap '64.

Imbritskii, M.I. [Design and installation of the fittings of block with increased steam parameters] Konstruktsiia i montazh armatury blokov na povyshennye parametry para; iz opyta energeticheskogo stroitel'stva. Moskva, Orgenergostroi.
No. 6. 1963. 70 p.

[MICROFILM]

Increase in the efficiency of large industrial thermal electric power plants. A.F. Afanas'ev, S.F. Kop'ev, M.M. Romin. Teploenergetika 11 no. 1:85-91 Ja '64.

IUsim, V.I., A.D. Rakhman, and D.N. Modytevskii. [Steam-turbine power trains] Paroturbinnye energopoezda. Moskva, Gosenergoizdat.
Pts. 2-3. IUsim, V.I., ed. 1963. 174 p.

Modernization of old thermal electric power plants. A.N. Kuranov. Teploenergetika 11 no. 5:26-31 My '64.

Optimum value of α in a heat and electric power plant. V.IA. Girshfel'd, V.N. Bakhusov, A.M. Kniazev. Teploenergetika 11 no. 5:10-21 My '64.

Redundance in automating the simplest control objects. A.I. Gofman, P.N. Manuilov. Prom. energ. 19 no. 2: 26-28 F '64.

Relationship between the power output of an electric power plant and the initial parameters of the operating cycle. IU.D. Arsen'ev. Teploenergetika 11 no. 5: 95-96 My '64.

Use of hydrazine in thermal electric power plants. A.Kh. Girenko, A.E. Foshko. Energ. i elektrotekh. prom. no. 1:51-53 Ja-Mr '64.

Use of synthetic materials in thermal electric power plants. Teploenergetika 11 no. 5:91-93 My '64.

Water intake unit with "trench" for thermal electric power plants. Z.I. Riadova. Vop. gidr. no. 11:71-75 '63.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Lachinov, N.V. [Repair of auxiliary equipment of boiler shops in thermal electric power plants] Remont vspomogatel'nogo oborudovaniia kotel'nykh tsekhov teplovykh elektrostantsii. Moskva, Izd-vo "Energiia," 1964. 255 p.

ELECTRIC POWER SUPPLY TO APPARATUS

Capillary ball pen attached to the PASK-8 potentiometer of the AEKS-900 logging station. P.IU. Grechin, I.V. Lavrenko. Sbor. luch. rats. predl. pt. 2:32 '63.

Electric current stabilizers using transistors. V.I. Lebedev. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:12-20 Ja-F '64.

Feeding the filaments of the tubes of the ("PFS") recording photoelectric summator using a lighting network source. S.G. Khanov. Sbor. luch. rats. predl. pt. 2:71-72 '63.

Rectifier for feeding SG-65 and RA-69 automatic gamma radiometers. P.P. Dzhugov, A.P. Sarantsev. Sbor. luch. rats. predl. pt. 2:31 '63.

Transistor voltage converter for radio transmitters. I.A. Sarser. Sbor. luch. rats. predl. pt. 2:69-71 '63.

ELECTRIC PROSPECTING
(see also subdivision under Kazakhstan)

Depth of exploration in prospecting by curvilinear electric profiling. B.M. Smol'nikov. Geofiz. sbor. no. 5: 68-70 '63.

Electric prospecting instrument for measuring the ratio $\frac{\Delta v}{I}$. N.A. Shchitov. Sbor. luch. rats. predl. pt. 2:11-13 '63.

Experimental-methodological works using the rotating magnetic field method. L.M. Liubavin. Geofiz. prib. no. 12:19-31 '62.

Interpretation of the anomalies of dipole electromagnetic profiling over solids of revolution (spheres, cylinders). V.Kh. Zakharov. Izv. AN SSSR. Ser. geofiz. no. 4:564-569 Ap '64.

Methods for the combined logging of dry holes drilled with bottom clearance by compressed air under conditions of permafrost. G.N. Zuev. Sbor. luch. rats. predl. pt. 2:33-36 '63.

Microvoltameter for low-frequency inductive electric prospecting techniques. K.Sh. Frenkel'. Sbor. luch. rats. predl. pt. 2:13-17 '63.

Microvoltmeter for use in electric prospecting. V.V. Rogachev, A.A. Flaksman. Geofiz. prib. no. 12:11-18 '62.

ELECTRIC PROSPECTING (Cont'd)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELECTRIC PROPULSION

[illegible]

[illegible]

ELECTRIC RAILROADS

[illegible]

ELECTRIC RAILROADS—AUTOMATIC TRAIN CONTROL

[illegible]

ELECTRIC RAILROADS—BRAKES

[illegible]

ELECTRIC RAILROADS—[illegible]

[illegible]

[illegible]

[illegible]

ELECTRIC RAILROADS—CURRENT SUPPLY
(see also [illegible] France)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELECTRIC RAILROADS—ELECTRONIC EQUIPMENT

[illegible]

ELECTRIC RAILROADS—POLES AND TOWERS
(see also subdivision under [illegible])

Technology of producing concrete [illegible] supports for overhead contact systems by the [illegible] method. [illegible]

ELECTRIC RAILROADS—ROLLING STOCK

[illegible]

ELECTRIC RAILROADS—SAFETY MEASURES

Protection of overhead contact systems against wind and [illegible] (from the experience gained last winter). V. M. [illegible]. Elek. i tepl. tiaga [illegible]

[illegible] of the protective action of [illegible] magnetic effects during [illegible]. Trudy [illegible]

ELECTRIC RAILROADS—SIGNALING

[illegible] A. A. [illegible]. Trudy [illegible]

ELECTRIC RAILROADS—SUBSTATIONS

[illegible] of a three-phase [illegible] V. P. [illegible] Trudy [illegible]

[illegible]

[illegible]

[illegible], A. A., V. D. [illegible], and M. B. [illegible]. [illegible] Moskva, Izd-vo "Transport," 1964. [illegible]

ELECTRIC RAILROADS—WIRES AND WIRING

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ELECTRIC RAILWAY MOTORS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

"[illegible] current step" in commutation. M. F. [illegible] Trudy [illegible]

Study of commutation processes in traction motors with [illegible]. Trudy [illegible]

Study of the effect of various factors on the [illegible] process of an electric arc originating on the collector of a traction motor. [illegible] Trudy [illegible]

ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR

Our method for reconditioning brush holders. [illegible] Elek. i tepl. tiaga [illegible]

ELECTRIC RELAYS

Effect of commutation processes on the operation of a [illegible] directional power relay. [illegible] Energ. i elektrotekh. prom. no. [illegible]

Lander, V. I., V. N. Roginskii, and Sh. G. Solov'ev. [Engineering methods for constructing relay systems] Inzhenernye metody postroeniia releinykh skhem. Moskva, Izd-vo "Sviaz'," 1964. 39 p. (Doklad po tekhnike sviazi)

Motor-type and electronic time relays. Prom. energ. [illegible]

Semiautomatic relay. [illegible] Avtomat. [illegible]

Transistorized photoelectric relay with a [illegible] circuit. [illegible] Prom. energ. [illegible]

[illegible] and [illegible] program time relay. Prom. energ. [illegible]

ELECTRIC RESISTANCE

Electric resistance of [illegible] used in the manufacture of metallic chromium. [illegible] and others. [illegible]

ELECTRIC RESISTORS

General data on nonlinear semiconductor resistances and their applications. V. V. [illegible]. Izv. [illegible]

Nonlinear semiconductor resistances for analog-type computing devices. [illegible] Izv. [illegible]

ELECTRIC RESONATORS

Low temperature [illegible] resonator for electron paramagnetic resonance studies at a wavelength of [illegible] Mr-Ap '64.

ELECTRIC SHIP PROPULSION see Ship propulsion, Electric

ELECTRIC SPARK

[illegible]

[illegible]

[illegible]

ELECTRIC SUBSTATIONS
(see also subdivision under France)

[illegible] auxiliary substations. [illegible] Mr '64.

Moscow. [illegible] [Schematics of substations without relays of the higher voltage end; manual on courses in "Electric stations and substations" and "Electric stations and traction substations" for students of the fifth course on "Thermal power systems of electric power plants" and "Electrification of railroad transport"] [illegible] "Elektricheskie stantsii i podstantsii" i "Elektricheskie stantsii i tiagovye podstantsii" dlia studentov V kursa spetsial'nostei "Teploenergeticheskie ustanovki elektrostantsii" i "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, 1963. 38 p.

[MICROFILM]

[illegible]

ELECTRIC SWITCHGEAR

[illegible]

[illegible]

[illegible]

[illegible]

High-voltage reversers and contactors with multiple arc-quenching chamber. A. M. [illegible], A. D. [illegible]. Elektrotekhnika [illegible]

Key for the simultaneous closing of contacts in the [illegible] potentiometer. [illegible]

[illegible] transformer and switch. [illegible]

ELECTRIC SWITCHGEAR—MAINTENANCE AND REPAIR

We are using liquid glass in the repair of the chambers of [illegible] contactors. [illegible] Elek. i tepl. tiaga [illegible]

ELECTRIC TRANSFORMERS

Analysis of the operation of a three-phase three-winding transformer in nonsymmetrical operation. V. P. [illegible], N. N. [illegible], M. D. [illegible]. Trudy [illegible]

ELECTRIC TRANSFORMERS (Continued)

Bachurin, N.I. [Electric current transformers; calculations and design] Transformatory toka; raschety i konstruktsii. Moskva, Izd-vo "Energiia," 1964. 375 p. (Seriia monografii po elektricheskim apparatam vysokogo napriazheniia)

Construction and analysis of a power scale for the electric transformers of rural power distribution networks. M.S.Levin. Elektrotekhnika 35 no.3:35-38 Mr '64.

Effect of frequency on the principal electromagnetic parameters of transformers. IA.A.Kamenomostkii. Elektrotekhnika 35 no.3:19-22 Mr '64.

Hidden potentials in improving transformers and increasing their power limits. I.S.Kalinichenko. Elektrotekhnika 35 no.3:32-35 Mr '64.

How to make a transformer. L.Pulle. Shkola i proizv. 8 no.3:77-79 Mr '64.

Magnetic logic components. Prom.energ. 19 no.2:63 F '64.

Marking of autotransformers taking into account the load capacity of the windings. IU.I.Borin. Energ.i elektrotekh.prom. no.1:56-59 Ja-Mr '64.

Minsker, E.G., and V.Sh.Anshin. [Assembly of oil-filled transformers] Sborka maslianykh transformatorov. Moskva, Vysshaia shkola, 1964. 252 p.

One transformer for two track circuits. M.S.Podgaichenko. Avtom.telem.i sviaz' 8 no.3:42-43 Mr '64.

Optimum relationships of small heatproof power transformers. L.P.Nasedkin. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:356-366 '64.

Power transformers and improvement of the design of complex power distribution systems. V.S.Beliaev. Prom.energ. 19 no.4:56-57 Ap '64.

Retention of optimum operating conditions of power transformers of industrial enterprises. S.V.Dikmarov, V.E.Alferov, V.P.Vikhrov. Prom.energ. 19 no.4: [illegible] Ap '64.

Smoothly regulated booster autotransformer for rural power distribution networks. N.M.Zul' and others. Elektrotekhnika 35 no.3:25-27 Mr '64.

Use of electric transformers with pyranol filling. M.V. [illegible]. Prom.energ. 19 no.2:60 F '64.

ELECTRIC TRANSFORMERS—COSTS

Using the correlation method for studying the cost of electric equipment. V.Pokrovskii. Vest.stat. no.5: 77-[illegible] '64.

ELECTRIC TRANSFORMERS—MAINTENANCE AND REPAIR

Khudiakov, Z.I. [Transformer repair electrician] Elektroslesar' po remontu transformatorov. Moskva, Vysshaia shkola, 1964. 270 p.

ELECTRIC UNITS

Use of the international system of units in electric engineering. G.P.Minin. Prom.energ. 19 no.4:42-45 Ap '64.

ELECTRIC WELDING

Automatic argon arc welding of a thin-sheet AMg6 alloy following chemical etching. V.I.Obuturov. Svar. proizv. no.11:29-30 N '63.

Erokhin, A.A. [Kinetics of metallurgical processes in arc welding] Kinetika metallurgicheskikh protsessov dugovoi svarki. Moskva, Izd-vo "Mashinostroenie," 1964. 252 p.

Packed with metal. A.Umanskii. Izobr.i rats. no.3: 14-16 '64.

Prospects of the automation of arc welding. N.S.L'vov, A.I.Akulov. Mekh.i avtom.proizv. 18 no.4:18-20 Ap '64.

Reversive drives for rollers in contact welding. P.L. Chuloshnikov, V.N.Rakcheev. Elektrotekhnika 35 no.3:53-55 Mr '64.

Russia (1923- U.S.S.R.) Glavnoe upravlenie lokomotivnogo khoziaistva. [Instruction for building-up and welding work in repairing locomotives (cancelling the TsT/1834 instruction of 1955)] Instruktsiia po naplavochnym i svarochnym rabotam pri remonte paravozov (v otmenu instruktsii TsT/1834 izdaniia 1955 g.). Moskva, Izd-vo "Transport," 1964. 214 p.

Semiautomatic welding with a magnetized flux. I.I. Kovalenko, IA.L.L'vovskii, IU.P.Kuz'min. Svar. proizv. no.11:31-32 N '63.

Seminar on the soldering and welding of cutting tools. A.F.Berzin. Stan.i instr. 35 no.4:39 Ap '64.

Simplified methods of electric slag welding. B.F. Lebedev and others. Mont.i spets.rab.v stroi. 26 no.4:7-9 Ap '64.

Sturdy plowshare. A.Sushchenko. Izobr.i rats. no.3: 16-17 '64.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Answer to L.S.Sapiro on his remarks about I.N.Grabov's article "Acceptable aluminum content in the Sv-08 and Sv-08A welding wire steel." I.N.Grabov. Svar. proizv. no.11:39 N '63.

Conference on the reliability and quality of electric welding equipment. O.IA.Larri. Svar.proizv. no.11: 45-46 N '63.

I.N.Grabov's article "Acceptable aluminum content in the Sv-08 and Sv08A welding wire steel." L.S.Sapiro. Svar.proizv. no.11:38-39 N '63.

Machine for welding tips to long, small-diameter tubes. M.A.Tarnarutskii, B.Kh.Zholobov, V.A.Brovtsev. Svar.proizv. no.11:32-33 N '63.

Reliability of TS-500 welding transformers. N.T. Mel'nichenko, V.G.Volchkov. Svar.proizv. no.11:46-47 N '63.

Special electrode holder for spot welding machines. N.V. Kupin, V.V.Shabovta. Svar.proizv. no.11:33-34 N '63.

ELECTRIC WELDING—SAFETY MEASURES

Migai, K.V., O.N.Timofeeva, and E.I.IUshtin. [Safety measures during electric welding operations in shipbuilding] Tekhnika bezopasnosti pri elektrosvarochnykh rabotakh v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 59 p. (Bibliotechka po tekhnike bezopasnosti)

ELECTRIC WELDING—TECHNOLOGICAL INNOVATIONS

According to new techniques. V.A.Fokin. Transp.stroi. 13 no.11:31-32 N '63.

ELECTRIC WIRE, INSULATED

Manufacture, properties, and applications of oxidized aluminum wires. V.L.Gantts, A.A.Griaznov, S.D. Kholodnyi. Elektrotekhnika 35 no.3:44-46 Mr '64.

Winding wires with an insulation based on heat-resistant resins. M.Markosian, Zh.Mirzabekian, S.Karamian. Prom.Arm. 7 no.3:37-38 Mr '64.

ELECTRIC WIRING

Among pipes and wires. L.Girchenko. Izobr.i rats. no.3:32-33 '64.

Poliakov, G.E., and A.I.Kovarskii. [Industrial training of electricians in the installation and operation of electrical equipment of industrial enterprises] Proizvodstvennoe obuchenie elektromonterov po montazhu i ekspluatatsii elektrooborudovaniia promyshlennykh predpriiatii. Izd.3. Moskva, Proftekhizdat, 1963. 132 p.

Practical questions for students. F.Baikov. Shkola i proizv. 8 no.3:92 Mr '64.

Vartanov, G.L., and V.M.Serebriakov. [Outdoor wiring and equipment installation operations] Naruzhnye elektromontazhnye raboty. Moskva, Stroiizdat, 1964. 209 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v zhilishchnom stroitel'stve)

ELECTRIC WIRING—EQUIPMENT AND SUPPLIES

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie po proizvodstvu elektromontazhnykh rabot. [Catalog on equipment, mechanisms, electric and pneumatic instruments for electrical installation operations] Katalog oborudovaniia, mekhanizmov, elektricheskogo i pnevmaticheskogo instrumenta dlia elektromontazhnykh rabot. Moskva, Gos.energeticheskoe izd-vo, 1960. 263 p. [MICROFILM]

ELECTRIC WIRING—STANDARDS

Decision No.E-18/63 as of November 30, 1963. Prom. energ. 19 no.2:40 F '64.

ELECTRICITY—PHYSIOLOGICAL EFFECT

Effect of direct current of subliminal intensity on the excitability and absolute refractory phase of the nerves and the muscle. A.D.Novozhilova. Uch.zap.MGPI 169:19-28 '62.

ELECTRICITY, INJURIES FROM

Comparative electrical safety of systems with different frequencies. A.P.Kiselev. Trudy MIIT no.171:59-67 '63.

Threshold values in the safety of electrical current with commercial frequencies. A.P.Kiselev. Trudy MIIT no.171:47-58 '63.

ELECTRICITY, TERRESTRIAL see Terrestrial electricity

ELECTRICITY IN AGRICULTURE

[Electrician of rural electrical systems] Elektromekhanik sel'skikh elektroustanovok. [By] V.N.Lobanov i dr. Izd.4., ispr. i dop. Moskva, Vysshaia shkola, 1964. 418 p.

Hand electric machine for tilling the circles around the tree trunks [with summary in English]. P.N.Listov, N.F.Miakishev. Izv.TSKHA no.1:149-168 '60.

Soil, electricity, chemistry. Izobr.i rats. no.3:3-4 '64.

ELECTRICITY IN AGRICULTURE—BIBLIOGRAPHY see Bibliography—Electricity in agriculture

ELECTRICITY IN AGRICULTURE—RESEARCH

Development of the electrification of agriculture and the tasks of science. I.A.Budzko. Mekh.i elek.sots. sel'khoz. 22 no.1:29-32 '64.

ELECTRICITY IN MINING

Basis for standards on current leakage distances from electrical equipment in mines. V.G.Vertiachikh, A.G. Bezdenezhnykh. Nauch.soob.VostNII no.3:93-102 '63.

Protection of electric motors in mines against irregular working conditions. I.V.Potylitsyn, I.P.Butenko. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:164-169 '63.

ELECTRICITY IN MINING—SAFETY MEASURES

Calculation of the parameters of high-frequency mine shields. E.IA.Ivanchenko, V.V.Sviridov. Izv.vys. ucheb.zav.; gor.zhur. 6 no.12:190-196 '63.

Certain characteristics of industrial casings for explosion-proof equipment. V.G.Vertiachikh, A.G.Bezdenezhnykh. Nauch.soob.VostNII no.3:87-92 '63.

Increasing the safety in conducting repair operations in underground electrical systems with voltages exceeding 1000 volts. P.B.Pak, N.V.Terekhova. Nauch.soob. VostNII no.3:120-127 '63.

New sparkproof systems for the remote control of explosion-proof magnetic starters. I.V.Potylitsyn. Nauch. soob.VostNII no.3:103-113 '63.

Selection and checking of the setting devices of overcurrent protection systems in supplying power to several large electric current receivers from a single transformer. G.E.Kashitsyn, P.I.Tyrtyshnyi. Nauch.soob. VostNII no.3:114-119 '63.

Study of the safe operation of electric equipment in mines of the Karabash Mining and Ore Dressing Combine. B.P.Belykh, M.V.Medvedev. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:170-176 '63.

ELECTRICITY ON SHIPS

Automatic control on ships. E.Merzlov and others. Mor.flot 23 no.12:45 D '63.

Posherstnik, M.IU., and M.A.Saliutina. [Thermal calculations of ship cables] Teplovoi raschet sudovykh kabelei. Leningrad, Izd-vo "Sudostroenie," 1964. 238 p.

ELECTRICITY ON SHIPS—MAINTENANCE AND REPAIR

Pisannikov, G.P. [Control of electric propulsion drives and their maintenance] Upravlenie rulevymi elektroprivodami i ukhod za nimi. Pod red. G.M.Nikitina. Moskva, Izd-vo "Rechnoi transport," 1963. 109 p.

ELECTRIFICATION

(see also subdivision under Karelia; Ukraine)

V.I.Lenin on the electrification of the country. M.M. Geoklenov. Trudy Turk.sel'khoz.inst. 11 no.2:5-4 '62.

ELECTROACOUSTICS

Determining the physical and mechanical properties of materials by the electroacoustic method. V.A.Pavlenko. Mekh.i elek.sots.sel'khoz. 22 no.1:41-44 '64.

ELECTROCAPILLARY PHENOMENA

Character of the movement of steel drops in slag. V.V. Khlynov and others. Izv.vys.ucheb.zav.; chern.met. 7 no.5:22-25 '64.

ELECTROCARDIOGRAPHY

Clinical and roentgenological pulmonary changes in adenoviral diseases. R.IA.Khersonskaia, E.A.Eitenbinder, A.S.Pashchenko. Pediatriia 42 no.9:14-18 S '63.

Experimental myocardial infarct in animals of various ages. L.V.Kostiuk. Vest.AMN SSSR 18 no.2:77-84 '63.

Nature of the course of oculocardiac reflex in adults. E.N.Kostrubina. Uch.zap.Orlov.gos.ped.inst. 18: 93-100 '63.

Relation between the electrophysiological and histochemical indices of excitation wave spreading over the myocardium. G.Bekmukhamedov. Dokl.AN SSSR 154 no.3:735-737 Ja '64.

Some physiological reactions of animals during flight in biocabins of ballistic rockets at altitudes up to 450-473 km [with summary in English]. I.I.Kas'ian. Izv. AN SSSR.Ser.biol. no.2:201-213 Mr-Ap '63.

Type EKS1-01 electrocardiosignaler, a new apparatus for examination and diagnosis. R.G.Griuntal', V.M. Poletaeva. Med.prom. 17 no.10:52-53 O '63.

ELECTROCHEMICAL ANALYSIS

Electrolytic separation of indium on a solid cathode for analytical purposes [with summary in English]. F.I.Kogan, P.N.Kovalenko, Z.I.Ivanova. Zhur. anal.khim. 19 no.1:79-83 '64.

Simultaneous quantitative determination of silicon, carbon, sulfur, phosphorus, manganese, and chromium in gray cast iron using an ST-7 stylometer. L.Zhelonkina and others. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6: 99-104 '63.

ELECTROCHEMISTRY

Determination of diffusion coefficients of metals in amalgams [with summary in English]. N.G.Chovnyk, V.V.Vashchenko. Zhur.fiz.khim. 37 no.3:538-543 Mr '63.

ELECTROCHEMISTRY (Continued)

Electrochemical mechanism of metal corrosion under the effect of alternating current. Part 3 [with summary in English]. IU.N.Mikhailovskii. Zhur.fiz.khim. 37 no.3:553-558 Mr '63.

Electrochemical properties of MnFe and MnSi electrodes. L.N.Dzhaparidze, D.G.Otiashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:9-21 '63.

Interrelation between certain thermodynamic, electron, and electrochemical properties of metals. Part 2 [with summary in English]. N.E.Khomutov. Zhur.fiz.khim. 37 no.3:526-530 Mr '63.

Kinetics of electrochemical redox processes of some organic compounds in acetic acid at high temperatures. S.V.Gorbachev, A.M.Abolmov. Zhur.fiz.khim. 37 no.3:696-698 Mr '63.

Mechanism of zirconium dissolution in acid fluoride solutions. V.A.Gil'man, IA.M.Kolotyrkin. Dokl.AN SSSR 155 no.5:1155-1158 Ap '64.

Properties of the double layer and the characteristic of the electrostatic adsorption of ions. V.G.Levich, V.A.Kir'ianov, V.S.Krylov. Dokl.AN SSSR 155 no.3:662-665 Mr '64.

State of the surface and mechanism of the self-dissolution of germanium in hydrogen peroxide solutions. A.A.IAkovleva, T.I.Borisova, V.I.Veselovskii. Zhur.fiz.khim. 36 no.11:2541-2544 N '62.

Study of electrode processes on amalgams by means of radiochemical and electrochemical measurements. Part 1 [with summary in English]. V.V.Losev, G.M.Budov. Zhur.fiz.khim. 37 no.3:578-585 Mr '63.

Symposium on Electrochemical Corrosion and Passivity. V.E.Kazarinov, G.P.Chernova. Vest.AN SSSR 34 no.2:102 F '64.

ELECTRODES

Contribution to the theory of electrodissolution of films from the surface of an indifferent electrode. Kh.Z.Brainina. Dokl.AN SSSR 154 no.3:665-668 Ja '64.

Effect of temperature on the corrosion resistance and electrode potentials of metals in acid media. Part 5: Copper in hydrochloric acid solutions. V.A.Khitrov, I.S.Smol'ianinov. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:51-55 '64.

Electrochemical properties of MnFe and MnSi electrodes. L.N.Dzhaparidze, D.G.Otiashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:9-21 '63.

Improvement of the design of an electrode with a platinum contact. M.P.Potapov. Zav.lab. 30 no.5:635 '64.

Kinetics of electrode processes on solid electrodes. Part 3 [with summary in English]. V.I.Kravtsov, O.G.Lokshtanova. Zhur.fiz.khim. 36 no.11:2362-2367 N '62.

Silver chloride half-cell and the method for determining its standard potential in the circuits without transfer. D.K.Kollerov, N.V.Kuznetsova, I.L.Skorik. Trudy inst.Kom.stand., mer i izm.prib. no.68:42-58 '63.

ELECTRODES, ALUMINUM

Conditions for primary film breakdown during aluminum oxidation in neutral solutions. L.Lepin', V.Kadek. Dokl.AN SSSR 155 no.4:839-842 Ap '64.

ELECTRODES, CARBON

Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 8 [with summary in English]. IU.A.Tkach, O.K.Davtian. Zhur.fiz.khim. 36 no.11:2374-2381 N '62.

ELECTRODES, COPPER

Effect of colloids on the kinetics of the anodic dissolution of copper in an acid electrolyte. N.I.Gusev. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:46-50 '64.

ELECTRODES, LEAD

Lead transfer in a positive electrode of a lead accumulator. N.A.Balashova, B.N.Kabanov, L.D.Kovba. Zhur.prikl.khim. 37 no.4:906-908 Ap '64.

ELECTRODES, MANGANESE

Effect of some ion-exchanging compounds on manganese dioxide electrode efficiency. L.N.Dzhaparidze, N.I.Lagidze. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:3-8 '63.

ELECTRODES, MERCURY

Some properties of mercury sulfide films on the surface of a mercury electrode. S.I.Zhdanov, B.A.Kiselev. Dokl.AN SSSR 155 no.3:651-653 Mr '64.

ELECTRODES, PLATINUM

Composition of products chemisorbed on the surface of platinized platinum in methyl alcohol solution as determined by the method of charging curves. B.I.Podlovchenko, E.P.Gorgonova. Dokl.AN SSSR 156 no.3:673-676 '64.

ELECTRODES, SILVER

Manufacture of nonplatinum silver halide electrodes. A.L.Bystritskii, V.B.Aleskovskii. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:168-169 '64.

ELECTRODIALYSIS

Relative speed of the removal of nonsugar ions during electrodialysis by means of ion exchange resin membranes. L.D.Bobrovnik, I.M.Litvak. Trudy KTIPP no.27:31-35 '63.

Studying the cause of pH changes in sugar-containing solutions during electrodialysis by means of ion exchange resin membranes. L.D.Bobrovnik, I.M.Litvak. Trudy KTIPP no.27:35-42 '63.

ELECTRODYNAMICS

Matveev, A.N. [Electrodynamics and the theory of relativity] Elektrodinamika i teoriia otnositel'nosti. Moskva, "Vysshaia shkola," 1964. 424 p.

Ring current shielded by a conducting cylinder. A.B.Shvartsburg. Vest.Mosk.un.Ser.3: Fiz., astron. 19 no.2:76-78 Mr-Ap '64.

Solution of a problem in quasi-stationary electrodynamics by the method of images. M.L.Levin. Zhur.tekh.fiz. 34 no.3:395-398 Mr '64.

ELECTROENCEPHALOGRAPHY

Activating effect of vestibular stimulation of the electrocorticogram. G.I.Gorgiladze, V.M.Fedorov. Dokl.AN SSSR 155 no.2:478-481 Mr '64.

Bioelectric activity of the brain in thrombosis of the internal carotid artery in the cervical region [with summary in English]. S.E.Ginzburg. Vop.neirokhir. 27 no.5:22-29 S-O '63.

Characteristics of electrical cortical reactions from some interoceptive and exteroceptive fields. I.A.Bulygin, IU.N.Dorozhkin. Dokl.AN BSSR 8 no.1:63-65 Ja '64.

Characteristics of electroencephalography in tumor lesions of subcortical ganglia [with summary in English]. O.M.Grindel', A.IA.Podgornaia. Vop.neirokhir. 27 no.5:34-39 S-O '63.

Clinicophysiological characteristics of chronic hyperkinetic forms of tick-borne encephalitis (Kozhevnikov's epilepsy syndrome). V.N.Kliuchkov, L.M.Dykman. Zhur.nevr.i psikh. 64 no.3:351-359 '64.

Effect of certain pharmacological preparations on the cerebral bioelectric activity in schizophrenia. A.L.Gamburg, A.M.Denisova. Zhur.nevr.i psikh. 64 no.1:116-124 '64.

Electroencephalography in surgery on the heart and great vessels under anesthesia by the Shane-Ashman method. N.G.Roslavleva. Eksper.khir.i anest. 8 no.4:62-65 Jl-Ag '63.

Fields of average rates of change in the bioelectric activity of the brain in pathological processes in its frontal regions. V.V.Dubikaitis. Zhur.nevr.i psikh. 64 no.3:321-325 '64.

Functional changes in higher regions of the brain in allergic skin reactions in sensitized animals; based on electroencephalographic data [with summary in English]. A.P.Khrunova, V.S.Angelova. Vest.derm.i ven. 37 no.5:7-13 My '63.

Induced electrical activity of phylogenetically different regions of the cerebellum in cats. R.A.Grigor'ian. Dokl.AN SSSR 155 no.5:1237-1240 Ap '64.

Some characteristics of the cerebral electrical activity in the process of aging and in atherosclerosis. A.IA.Mints, N.L.Gorbach. Zhur.nevr.i psikh. 64 no.2:219-224 '64.

Some problems in consciousness disorders in cerebral apoplexy; an electroencephalographic study. E.S.Bein, E.A.Zhirmunskaia, Z.L.Lur'e. Zhur.nevr.i psikh. 64 no.2:191-199 '64.

Spatial synchronization of the alpha-activity in the cerebral cortex in a catatonic-oneiroid form of schizophrenia. T.P.Borisova, V.A.Talavrinov. Zhur.nevr.i psikh. 64 no.3:420-427 '64.

State of cerebral electric activity under therapeutic anesthesia. S.N.Efuni. Eksper.khir.i anest. 7 no.4:81-83 Jl-Ag '62.

ELECTROHYDRAULIC EFFECT

Electrohydraulic effect and its application in agriculture. A.A.Dubrovskii. Mekh.i elek.sots.sel'khoz. 22 no.1:45-49 '64.

ELECTROKYMOGRAPHY

Methodology of graphic recording of the retrograde coronary blood flow. V.N.Grioznov, V.S.Kharin. Eksper.khir.i anest. 8 no.4:41-42 Jl-Ag '63.

ELECTROLUMINESCENCE

Electroluminescent matrix for photographic recording of images evolved from electronic computers. V.P.Derkach and others. Avtom.i prib. no.1:28-31 Ja-Mr '64.

Some properties of film-type electroluminescent capacitors. F.I.Vergunas and others. Opt.i spektr. 16 no.4:708-709 Ap '64.

Temperature dependence of electroluminescence of medium intensity. I.K.Vereshchagin. Opt.i spektr. 16 no.4:651-658 Ap '64.

Use of an electroluminescent matrix screen. V.N.Demidovich, N.S.Levchenia, P.N.Mazin'. Geofiz.prib. no.12:107-112 '62.

Vargin, V.A., and others. [Steel enameled electroluminescent panels developed by the Leningrad Technological Institute in 1963] Stal'nye emalirovannye elektroliumineatseninye paneli LTI 1963 goda. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia, no.8)

ELECTROLYSIS

Cathode liberation of carbon from molten carbonates. IU.K.Delimarskii, A.V.Gorodyskii, V.F.Grishchenko. Dokl.AN SSSR 156 no.3:650-651 '64.

Crystallization overvoltage in the electrolysis of fused salts. A.N.Baraboshin, L.T.Kosikhin, N.A.Saltykova. Dokl.AN SSSR 155 no.4:880-882 Ap '64.

Effect of the volume of a solution on the depth of anode dent in amalgam polarography. A.G.Stromberg, A.A.Kaplin. Zav.lab. 30 no.5:525-527 '64.

Electrolytic moisture gauge for gases. V.I.Istomin. Gaz.delo no.11:26-30 '63.

Electrolytic purification of organic solvents by removing impurities and water [with summary in English]. V.P.Barabanov. Zhur.fiz.khim. 37 no.3:710-711 Mr '63.

Phase analysis of tungsten and tungsten carbide materials. L.A.Mashkovich, A.F.Kuteinikov, T.P.Maslova. Zav.lab. 30 no.5:522-524 '64.

Preparation of manganese dioxide by the electrolysis of an aqueous solution of manganese sulfate at high temperature. E.M.Ungiadze. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:29-35 '63.

Study of the cathodic deposit formed in the electrolysis of molybdate aqueous solutions. A.S.Goncharenko. Zhur.prikl.khim. 37 no.4:915-916 Ap '64.

ELECTROLYSIS—EQUIPMENT AND SUPPLIES

Rectifying device for supplying power to electrolyzers. F.I.Simonov, A.P.L'vov. Prom.energ. 19 no.4:7-12 Ap '64.

ELECTROLYTE METABOLISM

Cellular polyelectrolytes and selective potassium accumulation. IA.A.Epshtein. Usp.sovr.biol. 56 no.3:323-340 '63.

ELECTROLYTE SOLUTIONS

Behavior of electrolytes having a common ion with the solvent. V.N.Kumok. Zhur.fiz.khim. 37 no.3:658-661 Mr '63.

Effect of colloids on the kinetics of the anodic dissolution of copper in an acid electrolyte. N.I.Gusev. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:46-50 '64.

Investigating a fluoride-chloride electrolyte as a zirconium bath. A.I.Evstiukhin, K.V.Orlov. Met.i metalloved.chist.met. no.4:11-17 '63.

Passage of direct current through a binary electrolyte solution (asymmetric electrolyte). B.M.Grafov, A.A.Chernenko. Zhur.fiz.khim. 37 no.3:664-665 Mr '63.

Stationary potentials of electrolytic nickel in sulfuric acid solutions saturated with hydrogen. R.Slizys, J.Matulis. Trudy AN Lit.SSR.Ser.B no.1:33-48 '63.

Study of solutions by high-frequency methods. Part 6 [with summary in English]. V.I.Ermakov, N.I.Smirnov, N.A.Zagorets. Zhur.fiz.khim. 37 no.3:544-552 Mr '63.

Theory of polyelectrolyte solutions. Part 5: Short range interaction of charged groups in stereoregular polyelectrolytes. [with summary in English]. O.B.Ptitsyn, E.A.Sokolova, T.M.Birshtein. Vysokom.soed. 6 no.1:158-164 Ja '64.

ELECTROLYTES

Faraday's rectification of the contact electrolyte - semiconductor. IU.IA.Gurevich, V.A.Miamlin. Dokl.AN SSSR 155 no.5:1159-1162 Ap '64.

Interaction of mixed electrolytes (fixatives) with synthetic latexes during ionic deposition [with summary in English]. V.F.Bocharov, H.A.Blokh. Dop.AN URSR no.2:235-237 '64.

Kirko, I.M. [Liquid metal in an electromagnetic field] Zhidkii metall v elektromagnitnom pole. Moskva, Izd-vo "Energiia," 1964. 159 p.

ELECTROLYTIC CORROSION

Comparing the economic indices of various anticorrosion measures. M.V.Tarnizhevskii. Gaz.delo no.11:35-41 '63.

Effect of the mixing of a medium on metal corrosion rate under the effect of low-frequency square-wave alternating current. IU.N.Mikhailovskii. Zhur.prikl.khim. 37 no.4:789-796 Ap '64.

Effect of the salt content, ion composition, the value of pH, and the degree of ground aeration on the corrosion of underground steel pipelines under the influence of a.c. M.A.Tolstaia, E.I.Ioffe, I.V.Poteminskaia. Transp.i khran.nefti i nefteprod. no.1:16-23 '64.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROMAGNETIC FIELDS

Averaged Laser equations and their steady-state solutions [with summary in English]. L.A.Ostrovskii, E.I.IAkubovich. Zhur.eksp.i teor.fiz. 46 no.3:963-969 Mr '64.

ELECTROMAGNETIC FIELDS (Continued)

Complications in the classical approach to the modeling of electromagnetic fields with variable physical coefficients. V.M. Breitman. Izv. AN SSSR. Energ. i transp. no. 2:160-168 Mr-Ap '64.

ELECTROMAGNETIC PROSPECTING

Feeding and recording magnetic susceptibility logging unit operating on a 50 cycle frequency. P. IU. Grechin. Sbor. luch. rats. predl. pt. 2:47-48 '63.

Magnetic logging device for measuring the susceptibility of rocks and ores. V.I. Andreev, L.A. Mel'nikov. Sbor. luch. rats. predl. pt. 2:38-45 '63.

Magnetic logging instrument for diamond drilled holes. A.N. Avdonin, O.N. Molchanov. Sbor. luch. rats. predl. pt. 2:45-47 '63.

ELECTROMAGNETIC WAVES

Addition to V.P. Perov's article "Optimum distribution of energy in the multiple study of this field." I.N. Kuznetsov. Izv. AN SSSR. Tekh. kib. no. 2:182-183 Mr-Ap '64.

Electromagnetic waves in metals with an arbitrary electron dispersion law [with summary in English]. E.A. Kaner, V.G. Skobov. Zhur. eksp. i teor. fiz. 46 no. 3:1106-1115 Mr '64.

Generalized normal waves in chain structures. P.E. Krasnushkin. Dokl. AN SSSR 155 no. 5:1042-1045 Ap '64.

Incidence of plane waves on the boundary of vacuum-nonuniform absorbing medium. N.N. Fedorov. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:85-90 Ja-F '64.

ELECTROMAGNETISM

Apparatus for the simultaneous measurement of galvanomagnetic and thermomagnetic effects. K.T. Basova. Met. i metalloved. chist. met. no. 4:209-213 '63.

ELECTROMAGNETS

Borehole electromagnet. V.A. Klimenko, I.P. Kuts. Sbor. luch. rats. predl. pt. 2:59-61 '63.

Effect of the machining of the cores of electromagnets on their operating properties. IU.G. Shneider. Priborostroenie no. 4:21-23 Ap '64.

Lightened operation of round load-hoisting electromagnets. N.I. Sirenko, IU.N. Naumenko. Prom. energ. 19 no. 2:20-21 F '64.

ELECTROMECHANICAL ANALOGIES

Evaluating the dynamic action of the underframes of the rolling stock on the track. M.A. Frishman, A.G. Polevichenko. Vest. TSNII MPS 23 no. 3:3-8 '64.

Present simulation techniques in the solution of scientific and technical problems. V.A. Venikov. Izv. AN SSSR. Energ. i transp. no. 2:141-159 Mr-Ap '64.

LECTROMETALLURGY

New developments in research. V.P. Frantsov, E.I. Moshkevich, A.I. Khitrik. Stal' 23 no. 3:233 Mr '64.

LECTROMOTIVE FORCE

Effect of the redox potential on the course of reactions in solutions. Part 2. E.D. Pozhidaev, S.V. Gorbachev. Zhur. fiz. khim. 36 no. 11:2512-2515 N '62.

Nature of the hump on the differential capacitance curves [with summary in English. E. Shvarts, B.B. Damaskin, A.N. Frumkin. Zhur. fiz. khim. 36 no. 11:2419-2427 N '62.

Redox potentials of heteroannual disubstituted ferrocenes. E.G. Perevalova and others. Dokl. AN SSSR 155 no. 4:857-860 Ap '64.

Study of the processes of modification of cast iron by means of high temperature galvanic cells. B.M. Lepinskikh, O.A. Esin. Zav. lab. 30 no. 5:568-570 '64.

hermodynamic properties of indium arsenide studied by he electromotive force method. A.S. Abbasov and thers. Dokl. AN SSSR 156 no. 1:118-120 My '64.

ECTROMYOGRAPHY

nergy metabolism in the skeletal muscle of the frog under the "cooling effect." T.A. Allik, M.V. Kirzon. Nauch. dokl. vys. shkoly; biol. nauki no. 2:76-79 '64.

ure" alexia, its relation to other cortical functions nd its dynamics during the process of restorative earning. S.V. Babenkova, V.N. Volkov. Zhur. nevr. psikh. 64 no. 2:166-171 '64.

mote effect of space flight on the vestibular-tonic and exor reflexes in guinea pigs [with summary in English]. .I. Apanasenko, M.A. Kuznetsova. Izv. AN SSSR. Ser. ol. no. 2:214-221 Mr-Ap '63.

iation in the electrical and mechanical activity of the mpressor muscle of the claw in the crab Eriphia inifrons (Herbst.) under simple (β) and supplementary) inhibition. M.IA. Kuntsova. Dokl. AN SSSR 155 . 4:981-984 Ap '64.

CTRON BEAMS

ctron gun for determining the evaporation rate of nvolatile materials. G.P. Kovtun, A.A. Kruglykh, .S. Pavlov. Prib. i tekh. eksp. 9 no. 2:130-132 Mr-p '64.

Excitation of a semiconductor laser by a beam of fast electrons. N.G. Basov, O.V. Bogdankevich, A.G. Deviatkov. Dokl. AN SSSR 155 no. 4:783 Ap '64.

Use of a probing beam in studying high-frequency plasma oscillations in a magnetic field. V.D. Fedorchenko, V.I. Muratov, B.N. Rutkevich. Zhur. tekh. fiz. 34 no. 3:463-468 Mr '64.

ELECTRON DIFFRACTION EXAMINATION

Electron diffraction study of the α-pinene oxide molecule. B.A. Arbuzov, V.A. Naumov, N.V. Alekseev. Dokl. AN SSSR 155 no. 3:592-595 Mr '64.

Electron diffraction study of the crystalline structure of $PbCO_3PbO \cdot 2H_2O$. A.A. Voronova, B.K. Vainshtein. Kristallografiia 9 no. 2:197-203 Mr-Ap '64.

Electronographic and X-ray investigation of oxide films on niobium. I. Korobkov, B.N. Reviakin, Chen' Khe-min [Ch'en Ho-ming]. Met. i metalloved. chist. met. no. 4:84-92 '63.

Microdiffraction of ultrahigh-speed electrons. N.M. Popov. Vest. AN SSSR 34 no. 1:39-44 Ja '64.

Physical state of a surface layer undergoing plastic deformation. V.P. Severdenko, L.I. Gurskii. Dokl. AN BSSR 8 no. 3:154-156 Mr '64.

ELECTRON MICROSCOPY

Attachment adjusting film with objects in the object holder of an EM-3 electron microscope. M.IA. Aksenov. Trudy TSAO no. 51:69-70 '63.

Crystallization of isotactic polystyrene [with summary in English]. V.A. Kargin, T.A. Koretskaia, T.A. Bogaevskaia. Vysokom. soed. 6 no. 3:441-443 Mr '64.

Electron microscope examination of the early stages of myelination of the sciatic nerve in the chick embryo [with summary in English]. IA.IU. Komissarchik. Arkh. anat., gist. i embr. 43 no. 12:69-76 D '62.

Electron microscope investigation of the catalyzed crystallization of glasses of the system $Li_2O - Al_2O_3 - SiO_2$. V.N. Vertsner and others. Dokl. AN SSSR 154 no. 3:673-674 Ja '64.

Electron microscope study of fractures in the EI437B cast alloy. A.V. Smirnova and others. Zav. lab. 30 no. 5:571-573 '64.

Electron microscope study of the fine structure of glass with the aid of ultrathin sections. F.K. Aleinikov. Dokl. AN SSSR 156 no. 1:154-157 My '64.

Electron microscopic examination of soil suspensions [with summary in English]. D.I. Nikitin, S.B. Stefanov. Izv. AN SSSR. Ser. biol. no. 2:283-286 Mr-Ap '63.

[Electron microscopic methods in studying biological objects] Elektronnomikroskopicheskie metody issledovaniia biologicheskikh ob"ektov. [By] V.I. Biriuzova i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 203 p.

Electron microscopy of cotton cellulose and its copolymers. Part 1: Particular features of cotton cellulose microstructure and of its radiation-induced graft copolymer with methacrylic acid. K.Kh. Razikov, U. Aziziv, Kh.U. Usmanov. Uzb. khim. zhur. 8 no. 2:66-72 '64.

Electron microscopy of the fibroblast surface in human embryonal tissue culture. A.N. Mosolov. TSitologiia 5 no. 3:320-332 My-Je '63.

Some data on the synaptic organization of a cortical plate of the forebrain in the tortoise. T.V. Davydova. Dokl. AN SSSR 155 no. 4:970-973 Ap '64.

Some forms of synapses in the cerebral cortex; electron-microscope studies. N.N. Bogolepov. Zhur. nevr. i psikh. 64 no. 3:326-330 '64.

"Submicroscopic structures of cells and tissues in health and pathology, their physiological and pathological significance" [translated from the French] by A. Policard and Ch. Baud. Reviewed by A.G. Knorre. Arkh. anat., gist. i embr. 43 no. 12:84-92 D '62.

ELECTRON OPTICS

Field of a light wave affecting an electron in the self-consistent field method. A.S. Kompaneets. Opt. i spektr. 16 no. 4:706-708 Ap '64.

ELECTRON TUBES

Experience gained in the use of thermomanometric tubes. V.A. Khristoforov. Prib. i tekh. eksp. 9 no. 2:129-130 Mr-Ap '64.

Leites, R.D. [Operation of an electron-tube as an amplifier; textbook for the course, "Amplifiers"] Rabota elektronnoi lampy v usilitel'noi skheme; uchebnoe posobie po kursu "Usiliteli." Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 33 p.

ELECTRON TUBES—RELIABILITY

Parol', N.V. [Reliability of receiving tubes] Nadezhnost' priemno-usilitel'nykh lamp. Moskva, Sovetskoe radio, 1964. 134 p.

ELECTRONIC ANALOG COMPUTERS

Automatic pressure measurements by means of models made of equivalent materials. V.I. Baranovskii, I.P. Shmykov, V.A. Utochkia. Nauch. soob. IGD 22:75-78 '63.

Determining the excitation functions in the study of car vibrations. N.N. Kudriavtsev. Vest. TSNII MPS 23 no. 3:9-13 '64.

Electron-beam converter of the functions of two variables. A.I. Petrenko. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:3-11 Ja-F '64.

Electronic attachment to an analog computer for measuring potentials. V.V. Kleimenov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:390 '64.

Nonlinear semiconductor resistances for analog-type computing devices. G.A. Savel'ev, A.P. Sorokin. Izv. LETI no. 43:92-95 '60.

ELECTRONIC APPARATUS AND APPLIANCES

Symposium on Nuclear Radio Electronics. G.I. Zabliakin. Prib. i tekh. eksp. 9 no. 2:188-190 Mr-Ap '64.

Transfer of data from an AI-100 analyzer onto a recorder. S.S. Shushkevich, M.Z. Protasevich. Prib. i tekh. eksp. 9 no. 2:170-171 Mr-Ap '64.

ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elek. i ee prim. nos. 5-6 My-Je '64. Avtorskii ukazatel' za 1963 g.

ELECTRONIC APPARATUS AND APPLIANCES—RELIABILITY

Basis for dividing complex radio-electronic apparatus into blocks with controlled performance capability. L.L. Barvinskii. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:21-26 Ja-F '64.

ELECTRONIC CIRCUITS

Circuits of a.c. differentiators with an electronic key. V.I. Gostev. Avtom. i prib. no. 1:63-64 Ja-Mr '64.

Ivanova, O.N., V.G. Lazarev, and E.I. Piil'. [Synthesis of electronic curcuits with discrete action] Sintez elektronnykh skhem diskretnogo deistviia. [Moskva] Izd-vo "Sviaz'," 1964. 175 p.

ELECTRONIC COMPUTERS

Accuracy of a "Kurs"-type gyrocompass corrector. V.K. Perfil'ev. Sudovozhdenie no. 3:45-52 '63.

Analysis of the measuring circuit of an analog-to-digital converter having a differential amplifier. A.V. Lebedev, E.M. Tolchinskii. Priborostroenie no. 12:1-4 D '63.

Application of calculating machines in the automation and control of complex industrial complexes. G.E. Finkel'shtein. Bum. prom. no. 1:25-26 Ja '64.

Characteristics of the introduction of computing equipment in the automatic control of production processes abroad. B.N. Malinovskii. Avtom. i prib. no. 1:01-03 Ja-Mr '64.

The ELM-400 magnetic logical units for automatic control. N.P. Vasil'eva, O.A. Sedykh. Priborostroenie no. 4:14-16 Ap '64.

Electroluminescent matrix for photographic recording of images evolved from electronic computers. V.P. Derkach and others. Avtom. i prib. no. 1:28-31 Ja-Mr '64.

Erivan. Vychislitel'nyi tsentr. [Mathematical problems of cybernetics and computer technology] Matematicheskie voprosy kibernetiki i vychislitel'noi tekhniki. Erevan, 1963. 85 p.
(CStmoR)

Experience in adjusting and checking the performance of an arithmetic operational block. G.D. Vachiberidze. Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:45-50 '63.

Experience in the diagnosis of brain tumors with the aid of a "Ural-1" universal computer. N.S. Misiuk and others. Zhur. nevr. i psikh. 64 no. 3:453-458 '64.

Functional coding converters using the principles of control of the pulse frequency. S.M. Persin. Trudy GGO no. 112:58-73 '63.

Magnetic units in automation and computer techniques; scientific and technological conference at Erevan'. F.I. Kerbnikov, IU.D. Rozental'. Vest. AN SSSR 34 no. 1:107-108 Ja '64.

Methods for increasing the precision of coding devices by automatic elimination of coding errors. S.M. Persin. Trudy GGO no. 112:14-32 '63.

Principles of functional conversion of information using piecewise linear approximation of functions. S.M. Persin. Trudy GGO no. 112:33-57 '63.

Pulse current supply source for two-cycle ferrite diode elements. A.I. Kondalev, IU.S. IUdin. Avtom. i prib. no. 1:33-37 Ja-Mr '64.

Reinberg, M.G. [The future of computers] Budushchee vychislitel'nykh mashin. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 6)

Selection of analogues using machines. IU.N. Dmitrieva, N.M. Chapygina. Meteor. i gidrol. no. 4:38-30 Ap '64.

Semiconductor logical units for the systems of industrial automation and telemechanics. S.M. Domanitskii, B.P. Petrukhin, I.V. Prangishvili. Priborostroenie no. 4:1-4 Ap '64.

Spirin, A.A., F.L. Usyskin, and V.S. Fedulov. [Mechanization of computing work in the accounting and planning of machinery manufacturing enterprises] Mekhanizatsiia vychislitel'nykh rabot v uchete i planirovanii mashinostroitel'nogo predpriiatiia. Moskva, Izd-vo "Mashinostroenie," 1964. 238 p.

LECTRONIC COMPUTERS (Continued)

tructural synthesis of automatons operating with additional cycles [with summary in English]. E.M.Vavilov, L.M.Osins'kii. Avtomatyka 9 no.2:42-49 '64.

sing calculating machines to study the parameters of mining machines and mechanisms. R.V.Orlov. Nauch. soob.IGD 22:3-16 '63.

sing electronic machines for calculating the average temperature of frozen rock barriers. E.M.Stepanova. Nauch.soob.IGD 22:16-21 '63.

ECTRONIC COMPUTERS—ABSTRACTS

Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. nos. 5-6 My-Je '64. Avtorskii ukazatel' za 1963 g. Predmetnyi ukazatel' za 1963 g.

ournal of abstracts: Cybernetics] Ref.zhur.: Kib. no.5 My '64.

ECTRONIC COMPUTERS—MEMORY SYSTEMS

atic triggers keeping information during the interruption of current supply. N.P.Pokhilo, I.A.Koval'chuk. Avtom.i prib. no.1:42-45 Ja-Mr '64.

ECTRONIC COMPUTERS—STANDARDS

nput and output devices of electronic computers. A.M. Bondarev. Standartizatsiia 28 no.3:44-45 Mr '64.

ECTRONIC CONTROL

utomatic control of ladle turning. P.I.Akinin and others. Mekh.i avtom.proizv. 18 no.5:14-16 My '64.

utomatic control of the moisture content in ceramic paste. S.I.Golota. Mekh.i avtom.proizv. 18 no.5: 16-18 My '64.

lectronic control of automobile traffic. A.G.Fain. Nov. lekh.zhil.-kom.khoz.:Gor.dor.-most.khoz.i transp. no.2:29-30 '63.

lodern trend of telemechanics; All-Union Conference in Moscow. V.A.Il'in. Vest.AN SSSR 34 no.1:105-107 Ja '64.

oncontact system of optimum pulsed control of an electric drive. N.G.Lysenko and others. Avtom.i prib. no.1:11-15 Ja-Mr '64.

edundance in automating the simplest control objects. A.I.Gofman, P.N.Manuilov. Prom.energ. 19 no.2: 26-28 F '64.

elf-adjusting executive unit for optimum control. K.V. Artamonov. Priborostroenie no.12:24 D '63.

ECTRONIC DATA PROCESSING

etrenko, A.I. [Transformation of graphical data into electrical signals] Preobrazovanie grafikov v elektricheskie signaly. Kiev, Gostekhizdat USSR, 1964. 218 p.

aluable interesting work. N.Makarian. Prom.Arm. 7 no.3:71-73 Mr '64.

ECTRONIC DATA PROCESSING—CONGRESSES

pplication of mathematics and electronic computers in economics. S. Livshits. Vop.ekon. no.4:157-159 Ap '64.

ECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION

ome problems concerning improvement in a method of designing rural power distribution networks with a possible use of computers. P.Greblikas. Trudy AN Lit. SSR.Ser.B no.1:145-155 '63.

ECTRONIC DATA PROCESSING—ENGINEERING RESEARCH

agan, B.M., and T.M.Ter-Mikaelian. [Solution of engineering problems using digital computers] Reshenie inzhenernykh zadach na tsifrovykh vychislitel'nykh mashinakh. Izd.2., sovershenno perer. Moskva, Izd-vo "Energiia," 1964. 591 p.

ECTRONIC DATA PROCESSING—HISTORICAL RESEARCH

he use of electronic computing machines in historical science. I.D.Koval'chenko, V.A.Ustinov. Vop.ist. no.5:54-67 My '64.

ECTRONIC DATA PROCESSING—LAW

test utilizing cybernetic instruments in the automation of information retrieval in law [with summary in English]. D.A.Kerimov, I.F.Pokrovskii. Vest.LGU 19 no.5:121-124 '64.

ECTRONIC DATA PROCESSING—ROCK PRODUCTS INDUSTRY

lanning the delivery of rock aggregates with the aid of electronic calculating machines. A.M.Kibrik, S.A. Panov. Stroi.mat. 10 no.1:12-15 Ja '64.

ECTRONIC DIGITAL COMPUTERS

bramov, S.A., and V.A.Batrakov. [Electronic digital computers and troop supply] Elektronnye tsifrovye mashiny i snabzhenie voisk. Moskva, Voenizdat, 1964. 242 p.

lgorithm for the recognition of objects with multiple parameters and methods for its application. V.L. Brailovskii. Izv.AN SSSR.Tekh.kib. no.2:30-39 Mr-Ap '64.

Arzamastsev, D.A., P.I.Bartolomei, and G.M.Proskurin, comps. [Automatic digital computers; manual on a course in "Mathematical machines and programming" for regular students and correspondence students of electrical engineering courses] Avtomaticheskie tsifrovye vychislitel'nye mashiny; uchebnoe posobie po kursu "Matematicheskie mashiny i programmirovanie" dlia studentov ochnogo i zaochnogo obucheniia elektrotekhnicheskikh spetsial'nostei. Pod red. D.A.Arzamastseva. Sverdlovsk, Izd. Ural'skogo politekhn. in-ta im. S.M.Kirova, 1963. 84 p. [MICROFILM]

Automation of the programming of electric network calculations using electronic digital computers. IU. Shcherbina. Energ.i elektrotekh.prom. no.1:39-41 Ja-Mr '64.

Centralized memorizing system for dispatching operations. S.L.Gurevich, S.P.Khlebnikov. Kozh.-obuv. prom. 6 no.4:14-17 Ap '64.

Experiments conducted on a digital computer on the recognition of visual objects. IU.G.Grigor'ian. Izv. AN SSSR.Tekh.kib. no.2:40-49 Mr-Ap '64.

IUshchenko, E.L., and T.A.Grinchenko. [Programming program with input address language for the Ural-1 computer; programmer's manual] Programmiruiushchaia programma s vkhodnym adresnym iazykom dlia mashiny Ural-1; spravochnik programmista. Kiev, Naukova dumka, 1964. 105 p.

Kagan, B.M., and T.M.Ter-Mikaelian. [Solution of engineering problems using digital computers] Reshenie inzhenernykh zadach na tsifrovykh vychislitel'nykh mashinakh. Izd.2., sovershenno perer. Moskva, Izd-vo "Energiia," 1964. 591 p.

Selecting the optimum route for complex trackage systems. V.I.Gritsenko. Vest.TSNII MPS 23 no.3:60-64 '64.

Use of a digital computer in determining the heat conductivity coefficient of solid materials. V.V.Vlasov. Inzh.-fiz.zhur. 7 no.3:34-41 Mr '64.

Using a computer for the analytical study of strip mining operations. V.S.Khokhriakov, A.F.Tkachev. Izv.vys. ucheb.zav.; gor.zhur. 7 no.1:36-44 '64.

Using electronic digital computers in the theory of structures. A.P.Filin. Izv.AN SSSR.Mekh.i mashinostr. no.2:188-192 Mr-Ap '64.

ELECTRONIC DIGITAL COMPUTERS—CIRCUITS

Dynamic components and some circuits of digital devices. D.D.Grigolashvili. Trudy Inst.elek., avtom.i telem. AN Gruz.SSR 4:129-142 '63.

ELECTRONIC INSTRUMENTS

Automatic pH meter of the "Semac" Company. Avtom.i prib. no.1:86-87 Ja-Mr '64.

Electronic microprobe. Avtom.i prib. no.1:87-89 Ja-Mr '64.

High stability transmission device for a frequency system for telemetering weak pickup signals. A.N.Shcherban' and others. Avtom.i prib. no.1:47-50 Ja-Mr '64.

Potential logical inverter without switching elements. L.A.Vereshchagin, N.M.Rydnyi. Avtom.i prib. no.1:45-47 Ja-Mr '64.

Principles for developing digital indicators for the electric digital branch of the state system of instruments and means of automation. I.V.Butusov. Priborostroenie no.4:11-14 Ap '64.

Quick-acting unit for the determination of polarity and high-precision comparison of voltage value. A.I.Kondalev, IU.S.IUdin. Avtom.i prib. no.1:37-40 Ja-Mr '64.

Trigger limiters and signal indicators of limiting parameters. N.N.Barkov. Priborostroenie no.12:14-15 D '63.

ELECTRONIC MEASUREMENTS

Bokser, O.IA., and M.I.Klevtsov. [Radioelectronic apparatus for the time analysis of reflexes] Radioelektronnaia apparatura dlia vremennogo analiza refleksov. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no.512)

Poluliakh, K.S. [Electronic measuring devices] Elektronnye izmeritel'nye pribory. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 311 p.

Principles of functional conversion of information using piecewise linear approximation of functions. S.M.Persin. Trudy GGO no.112:33-57 '63.

ELECTRONICS

Problems affecting the development of radio engineering and electronics. V.I.Siforov. Vest.AN SSSR 34 no.2:70-73 F '64.

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref.zhur.: Elek.i ee prim. nos.5-6 My-Je '64. Avtorskii ukazatel' za 1963 g.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS—HANDBOOKS, MANUALS, ETC.

Vorob'eva, K.L. [Industrial electronics] Promyshlennaia elektronika; uchebnoe posobie. Sverdlovsk, Ural'skii politekhn. in-t im. S.M.Kirova, 1963. 199 p. [MICROFILM]

ELECTRONICS IN AERONAUTICS

Symposium on the Use of Analog and Digital Computer Techniques in Aeronautics. IU.N.Pavlovskii, A.P. Bazzhin, P.M.Anishchenko. Vest.AN SSSR 34 no.2: 101 F '64.

ELECTRONS

Determination of the kinetic constants of interaction between positronium and inorganic ions. V.I.Gol'danskii, V.G.Firsov, V.P.Shantarovich. Dokl.AN SSSR 155 no.3:636-639 Mr '64.

Electromagnetic waves in metals with an arbitrary electron dispersion law [with summary in English]. E.A. Kaner, V.G.Skobov. Zhur.eksp.i teor.fiz. 46 no.3: 1106-1115 Mr '64.

Energy spectrum of conductivity electrons in a magnetic field [with summary in English]. M.IA.Azbel'. Zhur. eksp.i teor.fiz. 46 no.3:929-946 Mr '64.

Passage of a plasma from a source with electron oscillation into a vacuum space with a magnetic field. M.D. Gabovich, L.I.Romaniuk, E.A.Lozovaia. Zhur.tekh. fiz. 34 no.3:488-495 Mr '64.

ELECTRONS—SCATTERING

Analytic representation of the integral characteristics of the distribution of electron density and potential in atoms. V.F.Dvoriankin. Kristallografiia 9 no.2:167-170 Mr-Ap '64.

Asymptotic value for the interaction cross section of two Fermi particles in the e^4-approximation [with summary in English]. V.G.Babak, V.K.Ignatovich, E.S.Fradkin. Zhur.eksp.i teor.fiz. 46 no.3:1025-1032 Mr '64.

Degree of localization of magnetic electrons in ferromagnetic metals and alloys as disclosed by experimental studies of the Nernst - Ettingshausen effect. E.I. Kondorskii, R.P.Vasil'eva. Izv.AN SSSR.Ser.fiz. 28 no.3:512-518 Mr '64.

The Nernst - Ettingshausen effect in ferromagnetic metals and the degree of localization of magnetic electrons. E.I.Kondorskii. Izv.AN SSSR.Ser.fiz. 28 no.3:507-511 Mr '64.

ELECTRONS—SPECTRA

Use of a double-focusing magnetic spectrometer in recording a wide section of an electron spectrum. N.G.Afanas'ev and others. Prib.i tekh.eksp. 9 no.2:24-28 Mr-Ap '64.

ELECTROPHORESIS

Anesthesia of the human skin by novocaine and adrenaline electrophoresis. A.P.Parfenov, T.I.Tarasenko. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:247-250 My-Je '63.

Cataphoretic migration of PbO_2 particles in sulfuric acid solution of cadmium. O.A.Khan, G.N.Sosnovskii. Zhur.prikl.khim. 37 no.4:890-892 Ap '64.

Effect of the pH on the electrophoretic mobility of the muscle proteins of fish. V.V.Bal', V.I.IUr'eva. Izv. vys.ucheb.zav.; pishch.tekh. no.2:38-39 '64.

Effect of vaccine therapy (by electrophoresis) on the dynamics of some immunological indices in scarlet fever [with summary in English]. P.A.Alisov, A.P. Kazantsev, M.L.Orechkina. Zhur.mikrobiol.,epid.i immun. 40 no.4:26-30 Ap '63.

Electrophoretic examination of the proteins and lipids in the blood serum in parturients and newborn infants and their importance in toxicoses. G.V.Fevraleva. Kaz.med.zhur. no.6:45-47 N-D '62.

Fractionation of immune serums by electrophoresis in starch plates. I.I.Raikher and others. Lab.delo 8 no.7:36-39 Jl '62.

Treatment of yeast paronychias and onychias with zinc sulfate electrophoresis. S.N.Potapova. Nauch.trudy GIDUV no.12:86-100 '57.

Use of zonal electrophoresis in vertical columns with a new anticonvection material (granulated polymethylmethacrylate) for purification of amine oxidase in the blood serum [with summary in English]. V.Z.Gorkin and others. Vop.med.khim. 8 no.6:638-645 N-D '62.

ELECTROPHORESIS—EQUIPMENT AND SUPPLIES

Simple method of preparing flat capillary tubes and assembly of a camera for microelectrophoretic research. B.V.Sokolov. Lab.delo 9 no.4:50-52 Ap '63.

ELECTROPHYSIOLOGY

Characteristics of afferent interoceptive impulses from the intestine caused by the stimulation of its serous and mucous membranes. I.A.Bulygin, V.V.Soltanov. Dokl.AN BSSR 8 no.3:192-194 Mr '64.

Effect of "aseptic" (turpentine) inflammation of the palatine tonsils on the bioelectrical activity of the sinus nerve and respiration [with summary in English]. E.A.Bobkova. Zhur.ush.,nos.i gorl.bol. 23 no.6:55-59 N-D '63.

ELECTROPHYSIOLOGY (Continued)

Electrophysiological analysis of the effect of different doses of potassium on the reflex activity of the spinal cord in frogs. A.A.Filatov. Nauch.trudy Riaz.med. inst. 15:144-147 '62.

Electrophysiological study on the exclusion of the afferent impulsation in intestine nerves by dicaine. V.I.Galakhov, V.V.IUrov. Uch.zap.Orlov.gos.ped. inst. 18:131-136 '63.

Methods of the introduction of electrodes into large trunks of nerves. V.I.Galakhov. Uch.zap.Orlov. gos.ped.inst. 18:160-165 '63.

The nature of biopotentials of nerve and muscle fibers. Report No. 1: The current membrane theory and its difficulties. E.A.Liberman, L.M.Chailahkian. TSitologiia 5 no.3:311-318 My-Je '63.

Range of the assimilation of the stimulation rhythm at different levels of the central nervous system in a frog. Z.E.Orlova. Nauch.trudy Riaz.med.inst. 15:115-118 '62.

Relationship between the diameter of the synapses of neurons of the anterior horns of the spinal cord in the cat and the functional state of the central nervous system. I.S.Bazanova and others. Dokl.AN SSSR 155 no.2:474-477 Mr '64.

Skin galvanic reflexes in the dynamics of the development of eczematous reactions. F.N.Nikitin. Nauch.trudy GIDUV no.12:15-40 '57.

Structure of the reflex arc of the flexor reflex. O.A. Shugurov. Nauch.dokl.vys.shkoly; biol.nauki no.2: 72-75 '64.

Study of chemoreception in insects and ticks. Report No. 1: Electrical activity of chemoreceptors of Haller's organ under the action of repellents. IU.A.Elizarov. Nauch.dokl.vys.shkoly; biol.nauki no.2:55-59 '64.

ELECTROPHYSIOLOGY OF PLANTS

Electrophytographic characteristics of the assimilation reactions and trace reproduction of the stimulation rhythm in plants. Ag.D.Semenenko, M.A.Khvedelidze, Al.D.Semenenko. Izv.AN SSSR.Ser.biol. no.3: 439-450 My-Je '64.

ELECTROPLATING

Depolarization in the deposition of alkali metals on liquid cathodes [with summary in English]. M.F. Lantratov, B.I.Skirstymonskaia. Zhur.fiz.khim. 36 no.11:2442-2447 N '62.

Effect of the additions of foreign cations on the formation of metallic sponges. N.I.Mikhailov, N.T.Kudriavtsev. Zhur.prikl.khim. 37 no.4:806-812 Ap '64.

Electroplating of food machinery parts. IA.V.Golovko. Khleb.i kond.prom. 8 no.3:11-15 Mr '64.

Study of the conditions of the electrolytic production of a nickel-chromium alloy from metal sulfate solutions in the presence of glycine. N.T.Kudriavtsev, T.E. TSupak. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:84-89 '64.

Using group technology in electroplating parts. IA.A. Dvoirin. Vest.mashinostr. 44 no.4:77-78 Ap '64.

Using new shiny copper and nickel electrolytes in automatic three-layer electroplating. V.A.Borisova. Mashinostroenie no.2:62-65 Mr-Ap '64.

ELECTROSTATIC SEPARATORS

Distribution of grain on the sieve in an electrostatic field. V.N.Shmigel'. Mekh.i elek.sots.sel'khoz. 22 no.1:33-37 '64.

Grain layer in an electrostatic field on a vibrating surface (screen) and the "orientation criterion." A.M. Basov, V.N.Shmigel'. Trudy VNIIZ no.42:203-211 '63.

ELECTROSTATICS

Electrostatic separation of feldspars. G.A.Nekrashevich. Trudy NIIStroikeramiki no.10:92-107 '62.

Paint coatings for draining static electricity charges from the surface of glass tubes. L.N.Smirnova, E.N. Vasil'eva. Lakokras.mat.i ikh prim. no.1:47-49 '64.

ELECTROSTATICS—MEASUREMENT

Instruments for measuring static electric charges. V.N. Shikhov, S.F.Popov. Neft.khoz. 41 no.12:49-54 D '63.

ELECTROSURGERY

Intravascular electrocoagulation of dilated subcutaneous varicose veins of the lower extremities. S.M.Musaev. Eksper.khir.i anest. 8 no.4:36-37 Jl-Ag '63.

New method of incision of the ureteral ostium in the incipient forms of ureterocele. N.E.Savchenko. Eksper.khir.i anest. 7 no.4:45 Jl-Ag '62.

Treatment of chronic hypertrophic rhinitis by means of special coagulating biactive electrodes. N.V.Lipnitskii, A.A.Kantor, S.M.Shamraevskii. Zhur.ush.,nos.i gorl.bol. 23 no.6:79-80 N-D '63.

ELECTROTHERAPEUTICS

Electrophrenic respiration in experimental high spinal anesthesia. S.A.Geshelin. Eksper.khir.i anest. 8 no.4:65-69 Jl-Ag '63.

ELEMENTARY EDUCATION see Education, Elementary

ELEPHANTIASIS

Medvedev, P.M. [Elephantiasis of the extremities and genitals] Slonovost' konechnostei i polovykh organov. [Moskva] Meditsina, 1964. 189 p.
(DNLM)

ELEPHANTS, FOSSIL

Gabuniia, L.K., and A.K.Vekua. [Fossil elephant from Taribana] Iskopaemyi slon iz Taribany. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p. [In Georgian with summaries in French]
(MH)

EMBOLISM

Atypical removal of embolism of the rigth femoral artery. V.I.Prokubovskii. Khirurgiia no.1:125-126 '63.

Embolic complications in mitral commissurotomy. B.V. Shabalkin. Khirurgiia no.1:109-116 '63.

EMBROIDERY

Emel'ianova, T.D. [Embroidery] Vyshivka. Moskva, Izd-vo nauchno-tekhn. lit-ry RSFSR, 1960. 122 p.
(IEN)

EMBRYOLOGY

Glucokinase activity in the skeletal muscles of chick embryos [with summary in English]. M.N.Pertseva. Ukr.biokhim.zhur. 35 no.1:92-98 '63.

Mortality in rat embryos (F_1) following the irradiation of parental gametes (P) with small doses of X rays at various periods of their ontogeny. E.A.Pozhidaev. Dokl.AN SSSR 156 no.1:194-197 My '64.

Primary immunological reactivity and its morphogenetic role. O.E.Viazov. Usp.sovr.biol. 56 no.2:249-264 S-O '63.

[Problems in modern embryology] Problemy sovremennoi embriologii. [Moskva] Izd-vo Mosk. univ., 1964. 565 p.

EMBRYOLOGY—BIRDS

Effect of endogenous irradiation of hen eggs with small doses of radioactive phosphorus on the development of embryos during incubation. S.A.Dzhabieva, T.A. Agadzhanova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:87-92 '63.

Electron microscope examination of the early stages of myelination of the sciatic nerve in the chick embryo [with summary in English]. IA.IU.Komissarchik. Arkh.anat.,gist.i embr. 43 no.12:69-76 D '62.

Physiological function of allantois in the embryogenesis of birds. G.F.Zadarnovskaia. Trudy Stavr.sel'khoz. inst. no.11:138-143 '62.

EMBRYOLOGY—CONGRESSES

First scientific conference of anatomists, histologists and embryologists of the Lithuanian S.S.R. with the participation of morphologists of the Latvian S.S.R., Estonian S.S.R. and White Russian S.S.R. in Kaunas, June 21-23, 1962. A.Vitkus. Arkh.anat.,gist.i embr. 43 no.12:100-107 D '62.

Fourth Conference of Embryologists. T.V.Makarova. Nauch.dokl.vys.shkoly; biol.nauki no.2:201-202 '64.

Report on sessions of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists. L.E.Etingen. Arkh.anat.,gist.i embr. 43 no.12:96-100 D '62.

EMBRYOLOGY—FISHES

Synthesis of RNA during early embryonic development. K.A.Kafiani, M.IA.Timofeeva. Dokl.AN SSSR 154 no.3:721-724 Ja '64.

EMBRYOLOGY—MAMMALS

Development of ovaries and the formation of oogenesis in mammals. G.K.Kuliev. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.6:41-51 '63.

EMBRYOLOGY—WORMS

Existence of nucleoli at the early stages of cleavage. I.I.Kiknadze. TSitologiia 5 no.3:319-320 My-Je '63.

EMBRYOLOGY, HUMAN

Arterial blood supply of the thyroid gland during the intrauterine period of human development. S.R.Khalmukhamedova. Nauch.trudy SamMI 21:66-79 '62.

Biological determination of hypophyseal prolactin in human embryogeny. S.E.Levina, E.A.Ivanova. Dokl. AN SSSR 155 no.4:988-991 Ap '64.

Development of the nervous apparatus of the large human arteries in embryogenesis [with summary in English]. L.I.Belenko. Arkh.anat.,gist.i embr. 43 no.12:42-49 D '62.

Electron microscopy of the fibroblast surface in human embryonal tissue culture. A.N.Mosolov. TSitologiia 5 no.3:320-332 My-Je '63.

Embryogenesis of the sebaceous glands of the skin of a human forehead under conditions of a dry, hot climate. A.I.Shumeiko. Nauch.trudy SamMI 21:94-101 '62.

Morphology of rami communicantes and rami interganglionares of the cervical section of the sympathetic trunk in human embryos and fetuses. M.N.Khalkuziev, R.M.Salakhutdinova. Nauch.trudy SamMI 21:45-52 '62.

EMOTIONS

Effect of psychic trauma on the course of eczematous processes. IU.A.Kushnev. Vest.derm.i ven. 37 no.4: 20-25 Ap '63.

EMPLOYEE INCENTIVES see Incentives in industry

EMPLOYEES, DISMISSAL OF

(see also subdivision under Izhevsk; Pruzhany District)

Dismissal for the contravention of labor discipline. K.Abzhanov. Sots.zakon. 40 no.12:39-41 D '63.

EMPLOYEES' MAGAZINES, HANDBOOKS, ETC. see subdivision under Moscow

EMPLOYEES' REPRESENTATION IN MANAGEMENT

Certain problems facing the development of communist self-management [with summary in English]. N.M. Keizerov. Vest.LGU 19 no.5:47-57 '64.

EMPLOYERS' LIABILITY

Determination of guilt for damages to workers and employees. O.Smirnov. Sov.iust. 20 no.8:17 Ap '64.

Supplements to regulations on compensation for damages. G.Simonenko. Sov.profsoiuzy 20 no.7:42-44 Ap '64.

EMPLOYMENT (ECONOMIC THEORY)—STATISTICS

Factors influencing the ratio of the employed in total population and their measurement [with summary in English]. T.S.Batelina. Vest.LGU 19 no.5:132-134 '64.

EMPYEMA

Closed treatment of a sanitized nonspecific pleural empyema. V.V.Podzolov. Khirurgiia no.1:58-63 '63.

EMULSIFYING AGENTS

Study of the regularities in the process of copolymerization of divinylbenzenes with styrene using azolyat as an emulsifying agent. Z.G.Petrova and others. Azerb. khim.zhur. no.1:37-42 '64.

EMULSIONS

Investigation of the viscosity of petroleum emulsions. G.A.Pektemirov. Trudy VNIING no.2:78-80 '63.

Plant experiments in the demulsification of Ozek-Suat oil and the preparation of demulsifiers. M.I.Bortsova and others. Trudy GrozNII no.15:34-41 '63.

Plant test of a hydroxyethylated fatty acid demulsifier for desalting oil. N.E.Kazantsev, M.G.Isaev, V.P. Cherevatko. Neftoper.i neftokhim. no.4:10-12 '64.

ENAMEL AND ENAMELING

Effect of the content and crystallization of TiO_2 on the chemical stability of titanium enamels. V.V.Vargin, B.Z.Pevzner. Zhur.prikl.khim. 37 no.4:749-755 Ap '64.

ENCEPHALITIS

(see also subdivision under Bulgaria; Samarkand Province; Vinnitsa)

Clinical aspects of the hyperkinetic form of present-day epidemic encephalitis. P.M.Al'perovich, V.D.Bilsk, B.I.Rudaia. Zhur.nevr.i psikh. 64 no.3:340-345 '64.

Clinicophysiological characteristics of chronic hyperkinetic forms of tick-borne encephalitis (Kozhevnikov's epilepsy syndrome). V.N.Kliuchkov, L.M.Dykman. Zhur.nevr.i psikh. 64 no.3:351-359 '64.

Letter to the editor. I.B.Galant. Zhur.nevr.i psikh. 64 no.1:158-159 '64.

Nabokov, V.A. [Taiga sickness; tick-borne encephalitis] Taezhnaia bolezn'; kleshchevoi entsefalit. Moskva, Izd-vo "Meditsina," 1964. 18 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

ENCEPHALOMYELITIS

Clinical aspects and pathohystology of hemorrhagic meningoencephalomyelitis. Z.M.Salaeva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:101-107 '61.

Interrelation of multiple sclerosis and acute disseminated encephalomyelitis. S.N.Savenko. Zhur.nevr.i psikh. 64 no.3:360-364 '64.

Viral etiology of multiple sclerosis. D.A.Kaplan and others. Zhur.nevr.i psikh. 64 no.3:365-369 '64.

ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN

[Soviet Ukrainian encyclopedia] Ukrains'ka Radians'ka Entsiklopediia. Holovna red. kolegiia: M.P.Bazhan ta inshi. Kyiv, Akad. nauk URSR.
Vol.15. Tuman - TSement. [1964] 591 p.

ENDOCARDITIS—MICROBIOLOGY

Serological differentiation of streptococci isolated from the blood of patients with various forms of endocarditis [with summary in English]. I.L.Tydel'skaia, I.S. Myslavskaia. Zhur.mikrobiol.,epid.i immun. 40 no.9:65-70 S '63.

ENDOCERATIDAE see subdivision under Baltic Sea region

ENDOCRINE GLANDS

Endocrine system and reticular formation of the brain. IA.M.Buntser. Usp.sovr.biol. 57 no.1:143-158 Ja-F '64

Inhibitory action of substances of plant origin on some endocrine functions. R.D. Viazovskaia. Usp.sovr.biol. 56 no.2:265-273 S-O '63.

"Neuroendocrine regulation of adaptation activity" by K. Lissak and E. Endroczi. Reviewed by N.K. Sviridov. Usp.sovr.biol. 56 no.2:300-303 S-O '63.

ENDOCRINE GLANDS—DISEASES

Depressions in endocrine disorders. M.Bleuler. Zhur. nevr.i psikh. 64 no.2:239-244 '64.

Proximal amyotrophy in some endocrine diseases; a review of foreign literature. L.S.Soskin, A.N.Usol'tsev. Zhur.nevr.i psikh. 64 no.3:468-474 '64.

ENDOCRINOLOGY
(see also subdivision under Armenia)

Heart in neuroendocrine disorders. V.G.Vogralik. Sbor.trud.GMI no.15:3-22 '63.

ENDOMETRIUM

Diagnostic significance of histological examination of endometrial scrapings in sterility [with summary in English]. S.N.Kheifets. Vop.okh.mat.i det. 7 no.6: 61-65 Je '62.

ENDOMETRIUM—DISEASES

Cobalt in the uterine mucosa during the menstrual cycle. O.V.Osadchaia. Zdrav.Bel. 9 no.6:43-44 Je '63.

ENDOTOXIN

Changes in the capacity of tissues of irradiated animals to destroy microbial toxins [with summary in English]. P.N.Kiselev, V.N.Sivertseva. Med.rad. 8 no.5:33-39 My '63.

ENEMA

Changes in some hemodynamic factors under the influence of immersion intestinal baths. K.R.Sedov. Vop.kur., fizioter.i lech.fiz.kul't. 28 no.3:230-233 My-Je '63.

Submerged intestinal lavage with the "Kishinevskaya" mineral water in chronic colitis. S.A.IUlikov. Zdravookhranenie 7 no.1:33-36 Ja-F '64.

ENERGY METABOLISM

Energy expenditure of fishery workers on trawlers fishing in the Barents Sea and North Atlantic [with summary in English]. G.I.Bondarev and others. Vop.pit. 21 no.6:40-43 N-D '62.

Energy expenditure of indigenous fishermen in the Far North [with summary in English]. N.P.Dobronravova. Vop.pit. 21 no.6:36-40 N-D '62.

Energy expenditures of collective-farm workers [with summary in English]. A.P.Borisova. Vop.pit. 21 no.6:43-46 N-D '62.

Energy metabolism in the skeletal muscle of the frog under the "cooling effect." T.A.Allik, M.V.Kirzon. Nauch.dokl.vys.shkoly; biol.nauki no.2:76-79 '64.

Energy metabolism of the cell nucleus. V.S.Gaitskhoki Usp.sovr.biol. 57 no.1:30-49 Ja-F '64.

Study of enzyme systems phosphorylizing creatine in the muscles [with summary in English]. V.A.Rogozkin. Ukr.biokhim.zhur. 35 no.1:35-42 '63.

ENGELS, FRIEDRICH, 1820-1895

F.Engels and the beginning of V.I.Lenin's revolutionary activities. K.L.Seleznev. Ist.SSSR 8 no.2:24-32 Mr-Ap '64.

Kryvelev, I.A. [Marx and Engels on religion] Marks i Engel's o religii. Moskva, Izd-vo "Nauka," 1964. 206 p. (Nauchno-populiarnaia seriia)

[Their simplicity and humanity] Ikh prostota i chelovechnost'. Moskva, Politizdat, 1964. 334 p.

ENGEL'S DISTRICT—BANKS AND BANKING

Economic conferences. IU.Guseev. Den.i kred. 22 no.3:58-60 Mr '64.

ENGEL'S DISTRICT—FARM MANAGEMENT—CONGRESSES

Economic conferences. IU.Guseev. Den.i kred. 22 no.3:58-60 Mr '64.

ENGINEERING—PROBLEMS, EXERCISES, ETC.

A philosophical study of the psychology of engineering. L.B.Itel'son. Vop.filos. 17 no.12:165-167 '63.

ENGINEERING—STUDY AND TEACHING

Training of engineers to automate the construction industry. V.P.Sergeev. Mekh.stroi. 21 no.5:27-28 My '64.

ENGINEERING GEOLOGY
(see also subdivision under Kazakhstan; Kulunda Steppe; Moscow; Turgay Gates)

Concerning the book by K.V. Mironov "Evaluation of coal deposits from the point of view of engineering geology." V.K.Kokin. Shakht.stroi. 7 no.12:26 D '63.

Effect of the displacement of rocks during gasification of a coal seam in the Angren deposit on the disturbance of borehole casings in underground gas generators. V.V. Zhukov and others. Nauch.trudy VNIIPodzemgaza no.10:86-90 '63.

Evaluation of rock massifs as a basis and medium for hydrotechnical constructions and ways of developing rational methods for their investigation from the viewpoint of engineering geology. A.M.Gureev. Trudy VSEGINGEO no.1:155-182 '63.

Interrelationship of the physical and mechanical properties of the clay soils of ruptured structure. V.F.Razorenov. Trudy VSEGINGEO no.1:101-140 '63.

Present-day status of the sampling technique of sandy-argillaceous and semi-crystalline rocks from the holes in investigations for purposes of engineering geology. A.V.Vasil'ev. Trudy VSEGINGEO no.1:63-81 '63.

Processes of laterite weathering and conditions governing construction on laterites. G.K.Bondarik. Trudy VSEGINGEO no.1:27-39 '63.

Rare kind of landslide deformation in the slope of a river valley. S.S.Sokolov, M.V.Churinov. Trudy VSEGINGEO no.1:46-50 '63.

Reasons for the instability of open pit edges. V.L. Dobrovkin, M.V.Churinov. Trudy VSEGINGEO no.1: 40-45 '63.

Slavianov, V.N. [Forecasting the stability of slopes from the viewpoint of engineering geology] Inzhenerno-geologicheskie prognozy ustoichivosti otkosov. Moskva, Stroiizdat, 1964. 153 p.

ENGINEERING GEOLOGY—MAPS

Classification plan for tectonic and geomorphologic elements and also karst phenomena for purposes of mapping from the viewpoint of engineering geology. N.G.Vereiskii and others. Trudy VSEGINGEO no.1:141-154 '63.

Morphologic classification of landslide phenomena for purposes of mapping from the viewpoint of engineering geology. E.P.Emel'ianova. Trudy VSEGINGEO no.1:82-100 '63.

ENGINEERING LABORATORIES

Seminar of factory laboratories. D.I.Vaks. Stan.i instr. 35 no.3:46, 3 of cover Mr '64.

ENGINEERING STANDARDS see Standards, Engineering

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Kissin, T.S., and others. [A basic dictionary of English] Slovar'-minimum po angliiskomu iazyku. Pod red. T.S.Kissin. Moskva, Vysshaia shkola, 1963. 41 p.

ENGLISH LANGUAGE—PRONOUN

Kobkov, V.P. [Substitution in English] Zameshchenie v angliiskom iazyke. Novosibirsk, Redaktsionno-izdatel'skii otdel SOAN SSSR, 1964. 55 p.

ENGLISH LANGUAGE—PRONUNCIATION

Does the "broad" international system of phonetic transcription correctly illustrate modern English pronunciation? E.A.Afonov, M.V.Davydov. Vest.Mosk.un.Ser. 7: Filol., zhur. 19 no.2:89-92 Mr-Ap '64.

ENGLISH LANGUAGE—SYNTAX

Mukhin, A.M. [Functional analysis of syntax elements; based on Old English materials] Funktsional'nyi analiz sintaksicheskikh elementov; na materiale drevneangliiskogo iazyka. Moskva, Izd-vo "Nauka," 1964. 291 p.

ENGLISH POETRY—HISTORY AND CRITICISM

Arinshtein, L.M. [Progressive sociopolitical tendencies in English poetry of the 50's to 70's of the 19th century; a sketch in literary history] Progressivnye obshchestvenno-politicheskie tendentsii v angliiskoi poezii 50-kh-70-kh godov XIX veka; istoriko-literaturnyi ocherk. [Moskva] Rosvuzizdat, 1963. 174 p.

ENSILAGE

Biochemical indices of the rumen and the productivity of cows fed corn silage prepared by various methods. Sh.D.Simbinov. Trudy Inst.fiziol.AN Kazakh.SSR 5:87-93 '63.

Effect of experimentally prepared silage on the state and productive qualities of lactating cows. N.U.Bazanova, B.N.Nikitin. Trudy Inst.fiziol.AN Kazakh.SSR 5: 74-86 '63.

Using sulfur preparations for preserving mixed silage made of beet tops and straw [with summaries in English, German, and French]. M.A.Ter-Karapetian, V.A. Petrosian. Vest.sel'khoz.nauki 8 no.12:28-32 D '63.

ENTAMOEBA—CULTURES AND CULTURE MEDIA

Hyaluronidase enzyme in the cultures of Entamoeba histolytica. M.F.Mizgireva, S.E.Gleiberman. Izv.AN Turk.SSR.Ser.biol.nauk no.6:34-41 '63.

ENTEROBIASIS see Oxyuriasis

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGICAL SOCIETIES

Fifth conference of the members of the All-Union Entomological Society. M.G.Nepesova, S.N.Miartseva. Izv.AN Turk.SSR.Ser.biol.nauk no.6:93 '63.

ENTOMOLOGY—CONGRESSES

Fifth conference of the members of the All-Union Entomological Society. M.G.Nepesova, S.N.Miartseva. Izv.AN Turk.SSR.Ser.biol.nauk no.6:93 '63.

ENZYMES
(see also subdivision under Czechoslovakia; Hungary)

Activity of enzymes in the rat liver in cancerogenesis induced by dimethylaminoazobenzene and following administration of the food dye amaranth. B.L.Rubenchik. Vop.pit. 21 no.5:53-57 S-O '62.

Activity of some glycogenolytic enzymes in various muscles of adult rabbits and embryos [with summary in English]. P.D.Dvornikova, T.M.Pechenova. Ukr. biokhim.zhur. 34 no.1:118-129 '62.

Change in the activity of some enzymes of soil as related to its moisture. R.M.Latypova. Bot.; issl.Bel.otd. VBO no.5:199-204 '63.

Effect of phenothiazine on the activity of blood enzymes in sheep. K.I.Gavrilova. Trudy Stavr.sel'khoz.inst. no.11:101-105 '62.

Glutamine metabolism enzymes in the heart muscle [with summary in English]. H.P.Trush. Ukr.biokhim. zhur. 35 no.5:713-727 '63.

Production of more active varieties of mold fungi forming amylolytic enzymes. R.V.Feniksova, S.B.Gendina. Trudy TSNIISP no.13:18-25 '62.

Technic of microchemical examination of the activity of some enzymes in liver punctates of patients with Botkin's disease. I.D.Mansurova. Lab.delo 8 no.9:26-29 S '62.

Use of ferments in the production of tanning extracts. M.I.Karpman. Kozh.-obuv.prom. 6 no.4:33 Ap '64.

ENZYMES, DIGESTIVE see Digestive enzymes

EOSINOPHILS

Change in the quantity of eosinophils in the peripheral blood in healthy people due to the administration of strychnine, caffeine and ephedrine. V.D.Koz'min, V.N.Leonova. Nauch.trudy Riaz.med.inst. 15:38-41 '62.

Diagnostic value of Thorn test. L.D.Grinshpun, E.V. Fleishman, V.S.Dubrovskaia. Lab.delo no.5:265-267 '64.

EPENDYMA—DISEASES

Changes in the ependymal membrane in rheumatic fever. IU.L.Sutulov. Nauch.trudy Riaz.med.inst. 14:121-124 '63.

EPHEDRINE

Effect of ephedrine and aloe on the function of the adrenal cortex. V.N.Leonova, V.D.Koz'min, M.N.Chernogorova. Nauch.trudy Riaz.med.inst. 15:53-55 '62.

Effect of ephedrine and caffeine on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med.inst. 15:156-158 '62.

Effect of ephedrine on arterial pressure, diuresis and the composition of blood (quantity of water, chlorine and the hematocritic index) in dogs following a water and salt intake. IU.V.Khlynin. Nauch.trudy Riaz.med. inst. 15:161-164 '62.

EPIC LITERATURE see subdivision under Siberia

EPIC POETRY, BURYAT

The "Uligers" and Buryat literature. A.I.Ulanov. Sov. lit.i fol'k.Bur. no.2:106-114 '62.

EPIDEMIOLOGY
(see also subdivision under Leningrad)

Some epidemiological characteristics of infections caused by conditioned pathogenic agents. G.G.Sokolovskaia. Zhur.mikrobiol., epid.i immun. 40 no.9:144-146 S '63.

EPIDIDYMIS—TUMORS

Combination of two tumors with different localization and morphological structure in a patient. M.E.Kaplun. Zdrav.Bel. 9 no.6:77-78 Je '63.

EPILEPSY

Abramovich, G.B. [For parents about epileptic children] Roditeliam o detiakh, boleiushchikh epilepsiei. Izd.2. [Leningrad] Izd-vo "Meditsina," 1964. 37 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Clinicophysiological characteristics of chronic hyperkinetic forms of tick-borne encephalitis (Kozhevnikov's epilepsy syndrome). V.N.Kliuchkov, L.M.Dykman. Zhur.nevr.i psikh. 64 no.3:351-359 '64.

Disease that has its own special characteristics. M.Tepina. Sots.obesp. 25 no.4:30-31 Ap '64.

Effect of animal toxins on the excitation and inhibition processes during the epileptiform reaction in rats. B.N.Orlov. Nauch.dokl.vys.shkoly; biol.nauki no.2: 80-84 '64.

EPIPHYTES

A contribution to Russian phytopatology; book review. V.I.Popov. Zashch.rast.ot vred.i bol. 9 no.4:60-61 '64.

EPITAPHS see subdivision under Kerch Peninsula

EPITHELIUM

Effect of glycerol on the survival time of ciliated epithelium of the rat trachea during cooling and supercooling. L. G. Vol'fenzon. TSitologiia 5 no. 3:326-328 My-Je '63.

Histological observations on the epithelial lining of the esophagus in vertebrates. V. A. Eksaeva, E. I. Koloss. Izv. AN SSSR. Ser. biol. no. 3:388-395 My-Je '64.

Salt tolerance of the cells of ciliated epithelium of rats differing in their qualitative composition of lipids. T. A. Shliakhter. TSitologiia 5 no. 3:331-332 My-Je '63.

EPOXY COMPOUNDS

Hermetic sealing of products by means of epoxy compounds under vacuum. L. D. Kovchina, B. N. Fishman. Plast. massy no. 5:66-67 '64.

[New types of epoxide resins and compounds] Novye tipy epoksidnykh smol i kompaundov. Leningrad, 1963. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii)

Use of epoxy compounds for the crease-resistant finishing of fibers. O. S. Lilenkov, T. P. Makarova. Khim. volok. no. 2:52-55 '64.

EPOXY RESINS

Reconditioning cylinder heads using epoxy compounds. B. A. Lanhert, H. A. Kulyns'kyi. Mekh. sil'. hosp. 15 no. 2:18-20 F '64.

Using compounds on a base of epoxy resins in the manufacture of oil petroleum containers. L. S. Maslov and others. Transp. i khran. nefti no. 11:32-35 '63.

EQUATION OF STATE

Equation of state for methane-ethane mixtures. A. A. Vasserman, V. A. Zagoruchenko, IA. Z. Kazavchinskii. Zhur. fiz. khim. 36 no. 11:2527-2529 N '62.

EQUATIONS—STUDY AND TEACHING

Solution and analysis of equations. F. P. IAremchuk. Rad. shk. 42 no. 2:84-90 F '64.

EQUILIBRIUM

Equilibrium of a solid supported by a rough surface. B. M. Abramov. Izv. vys. ucheb. zav.; mashinostr. no. 4:5-11 '64.

EQUILIBRIUM (PHYSIOLOGY)

Functional state of the equilibrium organ in white rats raised under conditions of daily accelerations. A. A. Giurdzhian, Z. I. Apanasenko. Dokl. AN SSSR 156 no. 1:225-227 My '64.

EQUIVALENT CIRCUITS

Concerning M. V. Machinskii's article "Equivalent circuits of a multiple unit system as a means for studying its static stability." V. M. Matiukhin. Izv. vys. ucheb. zav.; energ. 7 no. 4:109-110 Ap '64.

Equivalent representation of an active equivalent circuit. N. A. Mel'nikov. Izv. AN SSSR. Energ. i transp. no. 2:227-230 Mr-Ap '64.

Linear and linearized transformations of hydraulic networks. V. IA. Khasilev. Izv. AN SSSR. Energ. i transp. no. 2:231-243 Mr-Ap '64.

ERBIUM—MAGNETIC PROPERTIES

Effect of all-round pressure on the magnetization intensity of Ho and Er in the antiferromagnetic region. L. I. Vinokurova, E. I. Kondorskii. Zhur. eksp. i teor. fiz. 46 no. 3:1149-1150 Mr '64.

ERGOCALCIFEROL

Simplified biological method for determining vitamin D [with summary in English]. A. A. Lapina. Vop. pit. 21 no. 6:62-69 N-D '62.

ERIVAN—ELECTRIC ENGINEERING—INFORMATION SERVICES

Information work at the Armenian Electrical Engineering Plant. A. A. Avakian. NTI no. 12:24 '63.

ERIVAN—INFLUENZA

Materials on the study of influenza in Spandaryan District of Erivan in 1957. A. O. Mirzabekian and others. Vop. med. virus. no. 5 pt. 2:54 '58.

ERIVAN—LITERARY MUSEUMS

Supplement for the "Guide to the literary collection of the Museum of Literature and Art [in Armenian with summary in Russian]. Goar Aznavurian. Izv. AN Arm. SSR. Obshchestv. nauki no. 1:91-101 Ja '64.

ERIVAN—MANUSCRIPTS, ARMENIAN

What Matanderan is doing for men. T. Zurabian. Az. i Afr. seg. 7 no. 5:45-46 My '64.

ERIVAN—OIL INDUSTRIES

By word and deed. Kh. A. Martirosian. Masl.-zhir. prom. 30 no. 3:38-39 Mr '64.

EROSION

(see also subdivision under Altai Territory; Armenia; Azerbaijan; Dzhebrail District; Kanev District; Novosibirsk Province; Volgograd Reservoir)

Analysis practice in the correlation of areas, heights and denudation rate of continents. P. S. Voronov. Izv. Vses. geog. ob-va 96 no. 1:3-13 Ja-F '64.

Examples of the forecasting of local erosion at installations and its verification on the basis of an operational experiment. M. S. Vyzgo, L. Z. Kravchenko. Vop. gidr. no. 12:39-48 '63.

Pulse pressures in the zone of a secondary erosion center. K. K. Shal'nev, N. P. Rubina. Dokl. AN SSSR 154 no. 3:553-556 Ja '64.

ERROR-CORRECTING CODES (INFORMATION THEORY)

Methods for increasing the precision of coding devices by automatic elimination of coding errors. S. M. Persin. Trudy GGO no. 112:14-32 '63.

ERRORS, THEORY OF

Accuracy of determining the mean value from discrete data. L. S. Gandin, R. L. Kagan. Trudy GGO no. 112:87-99 '63.

Estimation of the error incurred in the asymptotic representation of solutions to a system of linear differential equations containing a parameter. S. F. Feshchenko, N. I. Shkil'. Ukr. mat. zhur. 16 no. 1:132-135 '64.

General equations of inertial navigation. V. D. Andreev. Prikl. mat. i mekh. 28 no. 2:242-257 Mr-Ap '64.

ERYSIMUM

Seeds of Erysimum canescens Roth as a source of eryzimin. P. M. Loshkarev, Liu IUn-lun [Liu Yung-lung], L. F. Tiapkina. Med. prom. 17 no. 10:38-41 O '63.

ERYTHEMA

Experience in treating polymorphic erythema exudativum with chondroitinsulfuric acid. A. M. Pomerantseva. Trudy TSIU 64:52-55 '63.

Sensitivity of the skin to ultraviolet rays. M. F. Babak. Nauch. trudy SamMI 21:198-204 '62.

Ultraviolet erythema in compound treatment of chronic anacidic gastritis. A. M. Tereshchenko, M. V. Alekseeva. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:242-246 My-Je '63.

ERYTHRITE, EFFECT OF RADIATION ON

Structural changes in pentaerythrite under X-irradiation. E. V. Kolontsova, I. V. Telegina. Kristallografiia 9 no. 2:282-284 Mr-Ap '64.

ERYTHROCYTES

Calculation of erythrocytes and leucocytes in the blood with the aid of celloscope. R. P. Zolotnitskaia. Lab. delo 8 no. 7:14-15 Jl '62.

Different sensitivity of human and chicken erythrocytes to the action of nonspecific hemagglutination inhibitors. V. M. Stakhanova. Vop. med. virus. no. 5 pt. 2:77-80 '58.

Importance of determining the osmotic and acid resistance of erythrocytes in the clinical aspects of hemolytic anemia. M. D. Brilliant and others. Lab. delo 8 no. 7:3-9 Jl '62.

Kinetics of acid hemolysis of erythrocytes in microfocal pneumonia in children. L. P. Shul'ga. Pediatriia 42 no. 9:19-23-S '63.

Methodology of detecting erythrocytes in fluorescent cytological studies. B. IA. Kovnator. Lab. delo no. 5:263-265 '64.

Rapid method for staining thrombocytes and reticulocytes. A. D. Kulikova. Lab. delo 8 no. 7:17-18 Jl '62.

Review of G. I. Burchinskii's book "Erythrocyte sedimentation reaction." P. A. Podrabinek. Lab. delo no. 3:189-190 '64.

Role of erythrocytes in the blood coagulation process. B. I. Kuznik. Usp. sovr. biol. 56 no. 2:180-196 S-O '63.

Simplified method for determining the relations between erythrocytes and plasma in the blood. V. A. Barbinov. Lab. delo 8 no. 7:16-17 Jl '62.

Standardization of ram blood suspension by photoelectrocolorimetry (FEK-M) for the complement fixation test (RSK). L. S. Reznikova, O. A. Stoianova. Vest. derm. i ven. 37 no. 5:46-48 My '63.

ERYTHROMYCIN

Preparation of watersoluble erythromycin derivatives. N. P. Bedniagina, N. V. Serebriakova, M. G. Shtol'ts. Med. prom. 17 no. 10:16-18 O '63.

ERYTHROPOIESIS

Kinetics of acid hemolysis of erythrocytes in microfocal pneumonia in children. L. P. Shul'ga. Pediatriia 42 no. 9:19-23 S '63.

ESCHERICHIA COLI

Agglutination and hemagglutination reactions in the diagnosis of colibacillary intestinal diseases in children [with summary in English]. L. A. Chuprova. Vop. okh. mat. i det. 7 no. 6:5-10 Je '62.

Carbohydrate composition of specific polysaccharides in various serological types of Escherichia coli [with summary in English]. A. A. Efimova. Zhur. mikrobiol., epid. i immun. 40 no. 9:101-106 S '63.

Clinical characteristics of colienteritis in children. E. I. Chunaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:136-141 '62.

Colienteritis in newborn infants caused by a rare serological type O111:B4:H12 Escherichia coli [with summary in English]. E. M. Novgorodskaia, L. B. Khazenson, K. I. Krivonosova. Zhur. mikrobiol., epid. i immun. 40 no. 9:116-119 S '63.

Development and duration of the preservation of drug-resistant forms of Escherichia coli in prolonged use of streptomycin. O. V. Zalomova. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:105-110 '62.

Effect of some helminths on the properties of Escherichia coli in the human intestine. G. N. Ishchenko, N. I. El'tokova, R. N. Skorobacheva. Nauch. trudy SamMI 21:30-32 '62.

Effectiveness of colimycin in the treatment of children with colienteritis. E. I. Chunaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:142-148 '62.

Kittens as a model for the study of colienteritis [with summary in English] O. I. Emel'ianova, V. S. Shvetsov. Zhur. mikrobiol., epid. i immun. 40 no. 4:93-96 Ap '63.

Outbreak of colienteritis among breast-fed children caused by an enteropathogenic strain of Escherichia coli of the serotype O-111 B_4. L. P. Vakhrameeva. Sbor. nauch. rab. Arkh. IEMG no. 4:28-32 '60.

Oxidation-reduction properties of enteropathogenic Escherichia coli. S. G. Smirnov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:111-115 '62.

Permeability of the bacterial cell of Escherichia coli B to 2-deoxy-D-glucose [with summary in English]. V. N. Gershanovich. Biokhimiia 27 no. 6:1023-1031 N-D '62.

RNA-polymerase in Escherichia coli B cells infected with T2 phage [with summary in English]. R. B. Khesin and others. Biokhimiia 27 no. 6:1092-1105 N-D '62.

Treatment of coli enteritis. E. I. Chernysh. Zdrav. Bel. 9 no. 6:68-69 Je '63.

ESCHERICHIA COLI—CULTURES AND CULTURE MEDIA

Rapid laboratory diagnosis of colienteritis with the use of TTC bouillon. D. B. Rozenfel'd and others. Lab. delo no. 4:234-236 '64.

ESOPHAGUS

Histological observations on the epithelial lining of the esophagus in vertebrates. V. A. Eksaeva, E. I. Koloss. Izv. AN SSSR. Ser. biol. no. 3:388-395 My-Je '64.

ESOPHAGUS—CANCER

Use of plastic esophageal protheses [with summary in English]. L. G. Kharitonov, A. G. Kozhomiakin. Vest. khir. 90 no. 5:3-6 My '63.

ESOPHAGUS—DISEASES

Experimental investigations of the effect of antimony trioxide on the ciliate epithelium of the esophagus in frogs. A. V. Luzina. Sbor. nauch. rab. IAr. med. inst. no. 21:97-103 '59.

ESOPHAGUS—DIVERTICULA

Varicose veins of the esophagus with a diverticulum. I. I. Gordeev. Zhur. ush., nos. i gorl. bol. 23 no. 6:76-77 N-D '63.

ESOPHAGUS—FOREIGN BODIES

X-ray diagnosis of foreign bodies in the esophagus. B. N. Nevskii. Kaz. med. zhur. no. 6:21-25 N-D '62.

ESOPHAGUS—RADIOGRAPHY

X-ray diagnosis of foreign bodies in the esophagus. B. N. Nevskii. Kaz. med. zhur. no. 6:21-25 N-D '62.

ESOPHAGUS—SURGERY

Artificial hypotension during operations for the removal of tumors from the upper respiratory tract and the esophagus [with summary in English]. D. A. Kazanskii. Zhur. ush., nos. i gorl. bol. 23 no. 6:18-23 N-D '63.

Esophageal alloplasty [with summary in English]. G. A. Sardak. Khirurgiia 39 no. 6:27-32 Je '63.

Immediate and remote results of the Petrovskii method of esophagoplasty in cardiospasm. A. G. Karavanov, V. M. Volchek. Khirurgiia 39 no. 6:18-20 Je '63.

Insufficiency of the anastomosis in segmental plastic surgery of the thoracic of the esophagus; experimental research [with summary in English]. R. A. Rozhakov, V. V. Denisov. Khirurgiia 39 no. 6:48-56 Je '63.

Plastic surgery for defects of the pharynx and esophagus after recovery from laryngectomy [with summary in English]. M. V. Sokoliuk, M. L. Sanotskii. Zhur. ush., nos. i gorl. bol. 23 no. 6:27-32 N-D '63.

Search for new methods of resection of the thoracic segment of the esophagus combined with intrapleural gastroesophagostomy [with summary in English]. A. A. Shalimov. Khirurgiia 39 no. 6:33-39 Je '63.

State of blood serum proteins following surgery for diseases of the stomach and esophagus [with summary in English]. B. M. Orinovskii. Khirurgiia 39 no. 6:85-89 Je '63.

ESOPHAGUS—SURGERY (Continued)

Surgical treatment of cardiospasm (extramucosal thoracoabdominal partial esophagocardiectomy) [with summary in English]. F. Mandache and others. Khirurgiia 39 no.6:10-17 Je '63.

Trans-sternal retrosternal esophagoplasty from the right half of the large intestine. V. G. Cheshik. Khirurgiia 39 no.6:122-124 Je '63.

Use of B. V. Petrovskii's diaphragmatic flaps in esophageal surgery. V. M. Vel'skii, E. M. Borovyi. Khirurgiia no.1:68-72 '63.

Use of plastic esophageal prostheses [with summary in English]. L. G. Kharitonov, A. G. Kozhemiakin. Vest. khir. 90 no.5:3-8 My '63.

ESPIONAGE see subdivision under United States

ESSENCES AND ESSENTIAL OILS

Determination of the composition of certain ethereal oils by a method of gas-liquid chromatography [with summary in English]. A. K. Morieshchev, V. G. Voronin. Zhur. anal. khim. 18 no.3:401-405 Mr '63.

Russia (1917- R. S. F. S. R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Exchange of practices among cosmetic and perfume factories, enterprises manufacturing synthetic aromatic substances, and ester oil industries] Obmen opytom raboty parfiumerno-kosmeticheskikh fabrik, predpriiatii sinteticheskikh dushistykh veshchestv i efiromaslichnoi promyshlennosti. Moskva, GOSINTI, 1960. 277 p.
(NcD)

ESTERIFICATION

Solid state polyesterification. Part 1: Solid phase polyesterification of p-acetoxybenzoic acid and low-molecular weight products of condensation of dimethyl terephthalate and ethylene glycol [with summary in English]. A. I. Koretskaia, G. I. Kudriavtsev, A. A. Konkin. Vysokom. soed. 6 no.3:434-440 Mr '64.

ESTERS

Nature of the esters formed during the oxidation of paraffin hydrocarbons. A. I. Il'ina. Masl.-zhir. prom. 30 no.3:22-26 Mr '64.

Protonation of carbonyl compounds and the mechanism of the acid hydrolysis of esters. V. A. Pal'm and others. Zhur. fiz. khim. 36 no.11:2499-2501 N '62.

Synthesis of polyesters and polyamides based on nitrophthalic acids by interfacial polycondensation [with summary in English]. E. V. Kuznetsov and others. Vysokom. soed. 6 no.1:31-33 Ja '64.

Synthesis of polyesters containing triple bonds in the chain. A. M. Sladkov and others. Dokl. AN SSSR 155 no.5:1140-1143 Ap '64.

ESTONIA

[My native land] Minu kodumaa. Tallinn, Ajalehe "Kodumaa" valjaanne, 1964. 95 p. illus. [In Estonian]

ESTONIA—AGRICULTURE

Along the intensification path. I. Kebin. Ekon. sel'khoz. 35 no.4:17-24 Ap '64.

ESTONIA—AUDITING AND INSPECTION

[Militant party helpers; from the work practice of the organs of party-state control in the Estonian S. S. R.] Boevye pomoshchniki partii; iz opyta raboty organov partiino-gosudarstvennogo kontrolia v Estonskoi SSR. Tallinn, Estonskoe gos. izd-vo, 1964. 137 p.

ESTONIA—CIVIC CENTERS

Bockler, Teddi. [The town hall of Tallinn] Tallinna raekoda. Tallinn, Eesti Riiklik Kirjastus, 1964. 103 p. illus. [In Estonian]

ESTONIA—COMMUNISM

Eestimaa Kommunistlik Partei. Keskkomitee. Partei Ajaloo Instituut. [In the name of the triumph of communism] Kommunismi voidu nimel. Tallinn, Eesti Riiklik Kirjastus, 1962. 205 p. [In Estonian]
(MH)

ESTONIA—COMMUNIST YOUTH LEAGUE

Eestimaa Leninlik Kommunistlik Noorsoouhing. Keskkomitee. [Forty years with the Party] 40 aastat koos parteiga. Tallinn, Eesti Riiklik Kirjastus, 1962. 76 p. [In Estonian and Russian]
(MH)

ESTONIA—FISHING BOATS

Production of processed herring on the floating base "Johannes Vares." L. G. Visk. Ryb. khoz. 40 no.3: 37-40 '64.

ESTONIA—HEALTH RESORTS, WATERING PLACES, ETC.

Vanker, H., E. Veinpalu, and L. Vernik, comps. [Health resorts of the Estonian S. S. R.] Eesti NSV kuurordid. Tallinn, Eesti Riiklik Kirjastus, 1963. 141 p. [In Estonian]

ESTONIA—HERRING FISHERIES

Production of processed herring on the floating base "Johannes Vares." L. G. Visk. Ryb. khoz. 40 no.3: 37-40 '64.

ESTONIA—HISTORY

Eestimaa Kommunistlik Partei. Keskkomitee. Partei Ajaloo Instituut. [In the name of the triumph of communism] Kommunismi voidu nimel. Tallinn, Eesti Riiklik Kirjastus, 1962. 205 p. [In Estonian]
(MH)

ESTONIA—INDUSTRIES

Estonian goods on the world markets. D. Rayango, M. Vabar. Vnesh. torg. 44 no.4:35-37 '64.

ESTONIA—LUTHERAN CHURCH

Vimmsaare, Kuulo. [Present-day ideology of the Lutheran Church] Luteri kiriku ideoloogiast tanapaeval. Tallinn, Riiklik Kirjastus, 1963. 71 p. [In Estonian]

ESTONIA—MINE ROOF BOLTING

Method of drawing up the certification for roof bolting in the preliminary development of Estonian oil shale mines. A. Hallik. Khim. i tekh. gor. slan. i prod. ikh perer. no.10:20-31 '62.

ESTONIA—OIL SHALES

Method of drawing up the certification for roof bolting in the preliminary development of Estonian oil shale mines. A. Hallik. Khim. i tekh. gor. slan. i prod. ikh perer. no.10:20-31 '62.

Results of the technical and economic evaluation of the production of synthetic ammonia and derivative products from shale gas in the Estonian S. S. R. A. F. Savchenkov. Khim. i tekh. gor. slan. i prod. ikh perer. no.10:318-332 '62.

Shale producing industry of the Estonian S. S. R. and prospects for its further development. A. P. Petrov. Khim. i tekh. gor. slan. i prod. ikh perer. no.10:5-20 '62

ESTONIA—THEATER

[Theatrical remarks; 1961-1962] Teatrimarkmeid; [1961-1962] Tallinn, Eesti NSV Teatriuhing, 1963. 148 p. [In Estonian]

ESTONIAN LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Estonian literature—History and criticism

ESTROGENS

Comparative study of the effect of natural and synthetic estrogens on the glycogen content of organs [with summary in English]. L. M. Makarevych-Hal'perin. Ukr. biokhim. zhur. 34 no.1:108-117 '62.

Current concept of the structure of estrogens and methods of their determination in the urine. O. N. Savchenko. Usp. sovr. biol. 56 no.2:145-160 S-O '63.

Effect of estrogens on hematopoiesis. S. I. Riabov. Usp. sovr. biol. 56 no.2:197-207 S-O '63.

Estrogens and their protective role in metabolic processes M. F. Marezhinskii. Zdrav. Bel. 9 no.6:13-15 Je '63.

ESTUARIES—REGULATION

Arykin, I. G., and A. A. Shchapov. [Regulation of the estuaries of lumber-floating rivers] Regulirovanie ust'evykh uchastkov lesosplavnykh rek. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 21 p. (Lesoekspluatatsiia)
[MICROFILM]

ETHANES

Equation of state for methane-ethane mixtures. A. A. Vasserman, V. A. Zagoruchenko, IA. Z. Kazavchinskii. Zhur. fiz. khim. 36 no.11:2527-2529 N '62.

Rectification kinetics of binary mixtures [with summary in English]. V. A. Dozorov, G. G. Deviatykh, IU. E. Elliev. Zhur. fiz. khim. 36 no.11:2413-2418 N '62.

ETHANOL

Study of azeotropes formed by xylene isomers and styrene with methylcellosolve. IU. N. Garber, R. A. Bovkun. Zhur. prikl. khim. 37 no.4:831-837 Ap '64.

Triethanolamine as the new stabilizer of furfural. T. E. Goldovskaia, V. G. Kul'nevich, D. N. Lataeva. Izv. vys. ucheb. zav.; pishch. tekh. no.2:40-43 '64.

ETHERS

Alkylation of α-chloromethylalkyl ethers with methallyl chloride. Shamkhal Mamedov and others. Azerb. khim. zhur. no.1:81-87 '64.

ETHNOLOGY

(see also subdivision under America; Asia; Siberia)

Hungarian Ethnographic Congress. S. I. Bruk. Vest. AN SSSR 34 no.2:111-112 F '64.

ETHYL ALCOHOL

Concentration of higher alcohols during the rectification of ethyl alcohol. B. D. Metlushev. Trudy KTIPP no.27: 75-86 '63.

Micromethod of determining alcohol in the blood. A. I. Krasnova, IU. I. Vishniak, Sh. K. Kamolov. Lab. delo 8 no.9:52-55 S '62.

Quantitative determination of ethyl alcohol in preparation, tinctures and liquid extracts. O. N. Karpov. Apt. delo 11 no.5:66-68 S-O '62.

Refractometric method of determination of the alcohol concentration in pharmaceutical preparations. IA. E. Belilovskii, E. G. Motorkina. Apt. delo 11 no.5:64-66 S-O '62.

ETHYL ALCOHOL—PHYSIOLOGICAL EFFECT

Resistance of actomyosin in the myocardium and skeletal muscles to the denaturing effect of heat, ethyl alcohol and urea. A. D. Braun, N. M. Nesvetaeva, N. V. Fizhenko. TSitologiia 5 no.3:335-338 My-Je '63.

Resistance of endoparasitic protozoans from some species of amphibians to ethyl alcohol. V. A. Sopina. TSitologiia 5 no.3:343-347 My-Je '63.

ETHYL SILICATES

Determination of acid impurities in ethyl silicate by the high-frequency method. L. M. Shtifman, V. V. Lastovich, V. A. Zarinskii. Zav. lab. 30 no.5:543 '64.

ETHYLENE

Degreasing of materials in trichloroethylene. V. N. Rastrepin, A. A. Zagorovskaia, O. A. Minchenok. Lakokras. mat. i ikh prim. no.1:43-44 '64.

Experimental study of the static characteristics of the ethane-ethylene tower. V. N. Krivsunov and others. Khim. prom. no.3:221-224 Mr '64.

Interaction of paired atoms and the properties of X-substituted ethylenes. IU. G. Papulov. Zhur. fiz. khim. 37 no.3:648-651 Mr '63.

Polymerization of ethylene in electric discharge. V. N. Zaichenko, L. F. Mel'nikov, G. V. Emel'ianova. Trudy KF VNII no.8:102-109 '62.

Polymerization of ethylene on a chromium oxide catalyst. V. R. Gurevich, M. A. Dalin, K. M. Arutiunova. Azerb. khim. zhur. no.1:69-75 '64.

Polymerization of ethylene on the catalytic system titanium tetrachloride - organoaluminum etherates [with summary in English]. V. P. Mardykin, V. K. Badaev. Vysokom. soed. 6 no.3:444-447 Mr '64.

Polymerization of ethylene on the three-component catalytic system titanium tetrachloride - butyllithium - phenetole [with summary in English]. V. P. Mardykin, A. M. Konovalova. Vysokom. soed. 6 no.3:448-451 Mr '64.

Reactions of nitrogen atoms. Report No.2: Rate constant and the mechanism of the elementary reaction of nitrogen atoms with ethylene. L. I. Avramenko, V. M. Krasnen'kov. Izv. AN SSSR. Ser. khim. no.4: 600-604 Ap '64.

ETHYLENE OXIDE

Interaction of ethylene oxide with methyl isothiocyanate. V. S. Etlis, A. P. Sineokov, G. A. Razuvaev. Izv. AN SSSR. Ser. khim. no.4:737-738 Ap '64.

Polymerization of ethylene oxide on strontium carbonate and the effect of water adsorption on catalytic activity. K. S. Kazanskii and others. Izv. AN SSSR. Ser. khim. no.4:759-761 Ap '64.

ETHYLENE POLYMERS

Esophageal alloplasty [with summary in English]. G. A. Sardak. Khirurgiia 39 no.6:27-32 Je '63.

Preparation of graft copolymers. Report No.17: Copolymers of polytrifluorochloroethylene and vinyl monomers. V. V. Korshak, K. K. Mozgova, T. M. Babchinitser. Izv. AN SSSR. Ser. khim. no.4:716-720 Ap '64.

ETHYLENEDIAMINE

Bisthiosalicylidene-ethylenediamine. R. P. Lastovskii, V. IA. Temkina, I. A. Seliverstova. Metod. poluch. khim. reak. i prepar. no.6:44-46 '62.

ETRUSCAN LANGUAGE—INSCRIPTIONS, ETC.

Kharsekin, A. I. [Problems of interpreting Etruscan literary monuments] Voprosy interpretatsii pamiatnikov etrusskoi pis'mennosti. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1963. 91 p.
[MICROFILM]

EUCALYPTUS

Are eucalypti really the tallest trees in the world? F. S. Pilipenko. Bot. zhur. 49 no.4:594-598 Ap '64.

EUGLENA

Metaboly and immobilization of the cells of Euglena gracilis Klebs in relation to the type of nutrition and illumination. L. K. Lozina-Lozinskii, E. I. Zaar. TSitologiia 5 no.3:263-272 My-Je '63.

EUGLENIDAE see subdivision under Ukraine

EURASIA—CLIMATE

Khazaria and the Caspian; landscape and ethnogeny, No. 1 [with summary in English]. L. N. Gumilev. Vest. LGU 19 no.6:83-95 '64.

EUROPE—ATMOSPHERE

Present status of changes in the troposphere during the natural synoptic seasons over Europe and the north of the Atlantic Ocean. V. P. Nekrasov. Trudy TSIP no.127:101-119 '63.

EUROPE—ECONOMIC INTEGRATION

Economic contradictions of European integration at its present stage. P. Suslin. Vnesh. torg. 44 no.4:47-52 '64.

EUROPE—HISTORY—PHILOSOPHY

Decline of the Eurocentrist historical conception [with summary in English, p.222]. E.B.Vinogradov, G.V. Kikanov. Vop.ist. 39 no.3:114-125 Mr '64.

EUROPE—RAILROADS—ELECTRIFICATION

Railroad electrification in Europe. Elek.i tepl.tiaga 5 no.1:39-40 Ja '64.

EUROPE—STATISTICS

Tasks and activity of the Conference of European Statisticians. Brief note. D.Voznovskii. Vest.stat. no.5:34-37 '64.

EUROPE, EASTERN—AGRICULTURE, COOPERATIVE

"Socialist reorganization in the European people's democracies." Reviewed by V.A.Zhamin. Vop.ist. 39 no.3: 140-142 Mr '64.

EUROPE, EASTERN—CHEMICAL INDUSTRIES

Main drive on the large-scale chemistry. N.Kriuchkov, N.Titov. Mezhdunar.zhizn' 11 no.5:29-38 My '64.

EUROPE, EASTERN—COINS, MEDIEVAL

Finds of Juji coins. G.A.Fedorov-Davydov. Num.i epig. 4:165-231 '63.

EUROPE, EASTERN—COMMERCE

For the satisfaction of worker's growing needs. N.Semin. Vnesh.torg. 44 no.4:30-33 '64.

EUROPE, EASTERN—COMMERCE—UNITED STATES

The Kennedy round. A.Sutulin. Nov.vrem. 21 no.21: 29-31 My '64.

EUROPE, EASTERN—ECONOMIC POLICY

Current problems of socialist planning. B.Miroshnichenko. Vop.ekon. no.4:65-78 Ap '64.

EUROPE, EASTERN—ELECTRIC APPARATUS AND APPLIANCES

In the working group of section No.10 of the Regular Committee of the Mutual Economic Assistance Council for preparing recommendations on uniform rules and standards on explosionproof electrical equipment. V.A. Khorunzhii, I.I.Rakovich, N.F.Shevchenko. Prom. energ. 19 no.2:50 F '64.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

In the name of peace and socialism. V.Agarkov. Mezhdunar.zhizn' 11 no.5:112-113 My '64.

EUROPE, EASTERN—HISTORY—PERIODICALS

A review of foreign historical-party journals. Vop.ist. KPSS 8 no.4:139-141 Ap '64.

Tables of contents of periodicals published in socialist countries. Vop.ist. 39 no.5:188-189 My '64.

EUROPE, EASTERN—LAND TENURE

The Sixth Interrepublican Symposium on the agrarian history of Eastern Europe. I.V.Ledovskaia. Ist. SSSR 8 no.2:228-232 Mr-Ap '64.

EUROPE, EASTERN—PEASANTRY

The Sixth Interrepublican Symposium on the agrarian history of Eastern Europe. I.V.Ledovskaia. Ist. SSSR 8 no.2:228-232 Mr-Ap '64.

EUROPE, EASTERN—POLITICS AND GOVERNMENT

The role and place of peasant parties in the struggle for the victory of socialism. L.I.Krylov. Vop.ist.KPSS 8 no.5:25-38 My '64.

EUROPE, WESTERN—COMMERCE—THAILAND

"Struggle of the European powers for the Siamese market from 1630 through 1680" by E.O.Berzin. Reviewed by N.V.Rebrikova. Nar.Az.i Afr. no.3: 183-184 '64.

EUROPE, WESTERN—ELECTRIC POWER

Consumption of electric power by various industries in Wester Europe in 1961. IA.E.Vol'fkovich. Prom. energ. 19 no.2:49 F '64.

EUROPE, WESTERN—FEUDALISM

Certain aspects of the revolutionary transition from the slave system to feudalism in Western Europe. A.R. Korsunskii. Vop.ist. 39 no.5:95-111 My '64.

EUROPE, WESTERN—INVESTMENTS, BRITISH

British capital on the European continent. V.Rodionov. Mezhdunar.zhizn' 11 no.5:150-152 My '64.

EUROPE, WESTERN—MONOPOLIES

Internationalization of production forces and monopolistic integration. V.I.Mikheev. Vop.filos. 18 no.3:27-37 '64.

EUROPE, WESTERN—MOTION-PICTURE PLAYS

"Eva." N.Lordkipanidze. Isk.kino 34 no.2:144-145 '64.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

Internationalization of production forces and monopolistic integration. V.I.Mikheev. Vop.filos. 18 no.3:27-37 '64.

Seleznev, G.K. [The "Common Market" and international trade] "Obshchii rynok" i mezhdynarodnaia torgovlia. Moskva, "Mysl'," 1964. 94 p.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—COMMERCE

The "Europe of trusts" in the world markets. E.Menzhinskii. Mir.ekon.i mezhdunar.otn. no.4:93-102 '64.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—INVESTMENT BANKING

The European Investment Bank. L.Serebriakova. Den.i kred. 22 no.3:86-88 Mr '64.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—TRUSTS, INDUSTRIAL

Certain characteristics in the industrial specialization of the Common Market countries [with summary in English]. F.F.Budanov. Vest.LGU 19 no.5:136-143 '64.

EUROPEAN FREE TRADE ASSOCIATION

The European Free Trade Association; results and prospects. E.Khesin. Mir.ekon.i mezhdunar.otn. no.4:80-93 '64.

EUROPEAN WAR, 1914-1918

Verzhkhovskii, D.V., and V.F.Liakhov. [The First World War, 1914-1918; a military historical outline] Pervaia Mirovaia voina, 1914-1918 gg.; voenno-istoricheskii ocherk. Moskva, Voenizdat, 1964. 305 p.

EUROPEAN WAR, 1914-1918—BLOCKADES

The English blockade of Germany during the First World War. K.B.Vinogradov. Vop.ist. 39 no.4:203-205 My '64.

EUROPEAN WAR, 1914-1918—CAMPAIGNS

Branks, Voldemars. [In the storm of battles; description of the military operations on the Riga front, 1915-1918] Kauju negaisos; kara gaitu apraksti Rigas fronte 1915-1918 gada. Riga, Latvijas Valsts izd-ba, 1964. 454 p. [In Latvian]

EUROPEAN WAR, 1914-1918—CAUSES

"History of the origin of the First World War; Franco-Russian relations from 1912 to 1914" by V.I. Bovykin. Reviewed by I.S.Galkin. Vop.ist. 39 no.3:136-138 Mr '64.

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

American isolationism and the establishment of the Versailles-Washington system. E.I.Popova. Vop.ist. 39 no.5:76-94 My '64.

EUROPIUM-GERMANIUM ALLOYS see Germanium-europium alloys

EURYGASTERS—EXTERMINATION
(see also subdivision under Saratov Province; Stavropol Territory)

Radioactive isotopes as means of controlling grain pests. G.Kramarenko, A.Keda. Muk.-elev.prom. 29 no.10: 14 O '63.

EUTECTICS

Structure formation of hypereutectic graphitized steels. [with summary in English]. K.P.Bunin, Zh.B.Zakorko, E.N.Pohribnyi. Dop.AN URSR no.2:205-209 '64.

EVAPORATING APPLIANCES

Apparatus developed by the All-Union Scientific Research Institute of the Meat Industry for blood evaporation under vacuum. V.M.Gorbatov, L.S.Pozhariskaia, L.P.Budianskaia. Trudy VNIIMP no.15:94-98 '63.

Diagrams of the heat exchange in the evaporator for molasses stillage. S.M.Konstantinov. Izv.vys.ucheb. zav.; pishch.tekh. no.2:114-116 '64.

Heat exchange and circulation in the boiling of high-concentration sugar solutions. I.I.Sagan'. Izv.vys.ucheb. zav.; pishch.tekh. no.2:127-128 '64.

EVAPORATING APPLIANCES—TESTING

Determining the hydrodynamic depression and height of the boiling point in vertical evaporating apparatus. I.M.Fedotkin. Trudy KTIPP no.27:120-132 '63.

EVAPORATION

Electron gun for determining the evaporation rate of nonvolatile materials. G.P.Kovtun, A.A.Kruglykh, V.S.Pavlov. Prib.i tekh.eksp. 9 no.2:130-132 Mr-Ap '64.

Evaporation of meteoric ice bodies. K.P.Staniukovich. Meteoritika no.24:66-69 '64.

Evaporation rate of droplets of aqueous solutions of surface-active agents. B.V.Kiriukhin, V.G.Morachevskii, M.N.Orlova. Probl.fiz.atm. no.2:142-150 '63.

Experimental determination of the evaporation coefficient of aqueous solutions of surface-active agents. V.G. Morachevskii, B.M.Shinaev. Probl.fiz.atm. no.2: 151-154 '63.

Unsteady evaporation of a drop coated by an adsorbed layer. B.V.Deriagin, IU.S.Kurgin. Dokl.AN SSSR 155 no.3:644-646 Mr '64.

EVAPORATION (METEOROLOGY)
(see also subdivision under Uch-Kizil Reservoir)

Losses of runoff resulting from snow water from drainage basins. I.I.Zhigalov. Meteor.i gidrol. no.2:40-41 F '64.

Problems in calculating evaporation cooling of water in reservoirs in the Far East. V.G.Chernenko, L.M. Mavrina. Sbor.nauch.rab. DVNIIS no.3:151-161 '62.

EVAPORATION CONTROL

Determining the evaporation losses from the composition of the overhead oil. N.D.Gritsev. Neft.khoz. 42 no.1:47-50 Ja '64.

Experimental investigation of the evaporation of gasoline from a deepened reinforced concrete tank. M.L.Vainer, IU.A.TSimbler, V.I.Chernikin. Transp.i khran.nefti i nefteprod. no.3:23-28 '64.

EVENING AND CONTINUATION SCHOOLS—PERIODICALS

Indebted to the teachers. L.Imshenetskaia. Nar.obr. no.4:105-107 Ap '64.

EVIDENCE (LAW)

Determination of the veracity of evidence in civil matters. O.Ivanov. Sov.iust. 28 no.8:14-15 Ap '64.

Motion pictures as a form of trial evidence. I.Naidis, S.Vladimirov. Sots.zakon. 40 no.12:42-43 D '63.

EVIDENCE, CRIMINAL

Arotsker, L.E. [Utilization of criminalistic facts in court trial] Ispol'zovanie dannykh kriminalistiki v sudebnom razbiratel'stve ugolovnykh del. Moskva, IUridicheskaia literatura, 1964. 223 p.

EVLAKHOV, OREST ALEKSANDROVICH

Musician of great culture. L.Rappoport. Sov.muz. 27 no.11:30-34 N '63.

EVOLUTION

Dialectics of a part and of the whole and accelerating the process of social development. G.A.IUgai. Vest. AN Kazakh.SSR 19 no.11:24-31 N '63.

Molecular biology and the development of the theory of evolution. S.S.Shvarts. Vop.filos. 18 no.4:174-179 '64.

Relation between the form and the function in the development of animals. G.F.Lakin. Uch.zap.Orlov.gos.ped. inst. 18:3-20 '63.

EVREINOV, MIKHAIL GRIGOR'EVICH, 1864?-

Mikhail Grigor'evich Evreinov. Mekh.i elek.sots.sel'-khoz. 22 no.1:33-34 '64.

EXCAVATING MACHINERY

Analysis of the kinematic conditions of the operating process of a rotary excavator with a fixed boom. IU.A. Vetrov, P.A.Rudchenko. Izv.vys.ucheb.zav.; gor. zhur. 7 no.1:96-103 '64.

Determining parameters of working movements of an excavator. V.R.Kubachek. Izv.vys.ucheb.zav.; mashinostr. no.2:132-145 '64.

Excavator shovels of a new design. S.N.Polianskii. Mekh.stroi. 21 no.4:31 Ap '64.

Podborskii, L.E., and Z.E.Garbuzov. [Continuous excavators; bucket construction excavators. Atlas of designs] Ekskavatory nepreryvnogo deistviia; mnogokovshovye stroitel'nye ekskavatory. Atlas konstruktsii. Pod red. N.G.Dombrovskogo. Moskva, Mashinostroenie, 1964. 148 p.

Romanenko, A.M. [Experiments in the mechanization of the construction of drainage systems] Opyt mekhanizatsii stroitel'stva osushitel'nykh sistem. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 74 p.
[MICROFILM]

Technological bases of programming the operations of a rotary excavator. V.P.Aksenov, IU.I.Beliakov, A.A. Kononenko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1: 46-52 '64.

Using mathematical models for the analysis of knocking in mechanisms of excavators and cranes taking into account elasticity and free play. S.A.Kazak, V.M. Kirpichnikov, O.A.Levishko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:162-173 '64.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Directions for major repair of construction machinery] Ukazaniia po kapital'nomu remontu mashin, zaniatykh v stroitel'stve (U5-62). Moskva, Gosstroiizdat.
No.6. [Technical specifications for the major repair of excavators with a bucket capacity of 0.75 - 1 m^3 and multibucket (excavators E-753, E-754, E-1003, E-1003A, E-1004, E-1004A, and ETN-251) 1963] Tekhnicheskie usloviia na kapital'nyi remont ekskavatorov s kovshom emkost'iu 0.75 - 1 m^3 i mnogokovshovykh (ekskavatory E-753, E-754, E-1003, E-1003A, E-1004, E-1004A i ETN-251) 1963. 277 p.
[MICROFILM]

EXCAVATING MACHINERY [illegible]

[illegible]

EXCHANGES, [illegible]

Moscow. [illegible] [Foreign trade [illegible] exchange [illegible]] [illegible] 1964. 235 p.

EXCITATION (PHYSIOLOGY)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

EXCRETION

[illegible]

[illegible]

[illegible]

EXERCISE

[illegible]

[illegible]

[illegible] [illegible] 1964. 135 p.

EXERCISE THERAPY

[illegible] [illegible] 1964. 183 p. [illegible]

[illegible]

EXHIBITIONS

[illegible]

EXOPHTHALMOS

[illegible]

EXPERIMENTAL [illegible]

[illegible]

EXPERIMENTAL MEDICINE see Medicine, Experimental

EXPLOSIONS

[illegible]

Method for calculating a point explosion in plastic. [illegible]

Plane explosion waves in an elastoplastic medium. [illegible]

EXPLOSIVES

Effect of certain factors on the quality of the shattering of rocks crushed by a "grout". [illegible]

[illegible] dependence of the length characteristics of [illegible] in the coal seam plane. [illegible] Ja '64.

EXPLOSIVES—STORAGE

[illegible] Transp. stroi. 13 no. 11:75 N '63.

EXTORTION

[illegible] of government, public or private [illegible]

EXTRACTION (CHEMISTRY)

[illegible]

[illegible]

[illegible]

[illegible] [in English]. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

EXTREMITIES (ANATOMY)—BLOOD SUPPLY

[illegible]

EXTREMITIES (ANATOMY)—FRACTURES

[illegible]

EXTRUSION (METALS)

[illegible] [Forging [illegible]] [illegible] Moskva, Mashinostroenie, 1964. [illegible] p.

EXTRUSION (PLASTICS)

[illegible]

EYE

[illegible]

[illegible]

EYE—DISEASES AND DEFECTS

[illegible]

EYE—INNERVATION

[illegible]

EYE—WOUNDS AND INJURIES

Treatment of penetrating eye injuries with [illegible] [illegible]

FACE—DISEASES

[illegible] in [illegible] of the maxillofacial region. [illegible] Trudy TsIIU [illegible] '63.

FACE—SURGERY

Application of a [illegible] flap on a pedicle in facial plastic surgery on peripheral paralysis of the facial nerve. [illegible] Trudy TsIIU [illegible] '63.

Filatov's graft in reparative surgery on the face. [illegible] Trudy TsIIU [illegible] '63.

Methods of preservation and indication for the application of preserved [illegible] in maxillofacial surgery. [illegible] Trudy TsIIU [illegible] '63.

[illegible] of conducting [illegible] in maxillofacial surgery. [illegible] Trudy TsIIU [illegible] '63.

FACE—TUMORS

A rare case of localization of lipogranuloma of the face and neck. V. M. Moschin. Trudy TsIIU 63:[illegible] '63.

FACE—WOUNDS AND INJURIES

Morphological changes in the process of healing wounds of the maxillofacial region in acute (experimental) radiation injury. V. S. Pavlichova. Trudy TsIIU 63:[illegible] '63.

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES—DESIGN AND CONSTRUCTION

Building-block principle in the planning and design of the light industry enterprises. [illegible] Kozh.-obuv. prom. [illegible] no. 2:10-11 F '64.

FACTORIES—ELECTRIC EQUIPMENT

Zalbergs, J. [Electric equipment in industrial enterprises] Rupnicu elektrotehnika. Riga, Latvijas Valsts Izd-ba, 1963. 410 p. [In Latvian]

FACTORIES—FIRES AND FIRE PREVENTION

Atanas'ev, N. A., V. N. Vernakov, and P. N. Prokof'ev. [Fire safety of industrial enterprises] Pozharnaia bezopasnost' promyshlennykh predpriiatii. Moskva, Izd-vo MKKh RSFSR, 1963. 245 p.

FACTORIES—LIGHTING

Lighting rooms. [illegible] no. 2:[illegible] '64.

FACTORIES—SAFETY MEASURES see subdivision under Balkhash (Kazakhstan)

FACTORS (ALGEBRA)

[illegible] factorization of a polynomial matrix [with summary in English]. [illegible] Dop. AN URSR [illegible] '64.

FADEEV, ALEKSANDR ALEKSANDROVICH, 1901-1956

Ozerov, V. M. [Alexander Fadeev; the path of his creative work] Aleksandr Fadeev; tvorcheskii put'. Moskva, Sovetskii pisatel', 1964. 537 p.

FALLOPIAN TUBES—TRANSPLANTATION

Plastic substitution of ureters with a fallopian tube. [illegible] and others. [illegible] 41-44 D '63.

FAMILY

(see also subdivision under Ukraine; White Russia)

For the happiness in [illegible] families. [illegible] [illegible] '64.

FAR EAST, SOVIET see Soviet Far East

FARGH REGION—STATE FARMS

[illegible] '64.

FARM BUILDINGS

(see also subdivision under Poltava; Ukraine)

[illegible], M. F. [Livestock buildings of local materials] Zhivotnovodcheskie postroiki iz mestnykh materialov. Kazan', Tatarskoe knizhnoe izd-vo, 1960. 103 p. [MICROFILM]

Manual for agricultural construction. [illegible] 8:[illegible] '63.

Nekrasov, A. N. [Framed buildings with wall filling of local building materials] Karkasnye zdaniia s zapolneniem sten mestnymi stroitel'nymi materialami. Moskva, Stroiizdat, 1964. 130 p.

New advanced cement pipes for roofs of farm buildings. [illegible] '64.

FARM BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Ukraine)

Provide agriculture with high quality structures. [illegible] '64.

FARM BUILDINGS—FIRES AND FIRE PREVENTION

Fight for the grain. [illegible] Pozh. delo no. 4:[illegible] Ap '64.

In the collective farm "[illegible]." [illegible] Pozh. delo no. 3:12-13 Mr '64.

Head of [illegible]. Pozh. delo no. 3:1 Mr '64.

Spring tasks and worries. [illegible] Pozh. delo no. 3:[illegible] Mr '64.

FARM ENGINES—MAINTENANCE AND REPAIR

How to prevent the deformation of cylinder blocks. V. S. [illegible] Mekh. i elek. sots. sel'. khoz. [illegible] no. 10:10-11 O '62.

FARM MANAGEMENT

(see also subdivision under Leninskiy District, Moscow Province; Ukraine)

Critical remarks on a good book. [illegible] and others. [illegible] no. 3:119-120 Mr '64.

Elimination of field inequalities in an intensive farm management. [illegible] no. [illegible] Ap '64.

FARM MANAGEMENT (Continued)

Specialization, concentration and the efficient size of agricultural enterprises; review of articles. Ekon. sel'khoz. 35 no.4:61-73 Ap '64.

FARM MANURE—HANDLING

Selecting the complex of machines for the overall mechanization of the removal of farm manure from livestock barns under the stanchion maintenance system. S.E. Markarian and others. Trudy Arm.NIIMESKH no.1: 53-59 '63.

FARM MECHANIZATION
(see also subdivision under Armenia; Babkent District; Kiev Province; Kuban; Novosibirsk Province; Pap District; Shakhrisyabz District; Ukraine; Virgin Territory)

Depreciation of agricultural machinery and the cost of tractor work. IU. Popov, I. Simakov. Ekon. sel'khoz. 35 no.3:73-79 Mr '64.

The industrial labor force in agriculture, 1953-1963. N.V.Korol'kov. Ist.SSSR 8 no.2:33-55 Mr-Ap '64.

Overall mechanization as the most important condition of the intensification of agriculture. N.N.Levykin. Zemledelie 26 no.4:3-6 Ap '64.

Shortcomings of a textbook. V.Kolesnichenko. Prof.-tekh.obr. 21 no.4:12 Ap '64.

The supply system of machinery and equipment to collective and state farms. P.Kozhevnikov. Ekon.sel'khoz. 35 no.3:40-54 Mr '64.

Zalevskii, A.V., and E.N.Deviatisil'nyi. [Economics of the efficient use of machinery on collective farms] Ekonomika ratsional'nogo ispol'zovaniia tekhniki v kolkhozakh. Moskva, Ekonomika, 1964. 141 p.

FARM MECHANIZATION—PRODUCTION STANDARDS
see subdivision under Brody District

FARM MECHANIZATION—STUDY AND TEACHING
(see also subdivision under Omsk Province)

Course on the training in work maturity. I.Matiusha. Nar.obr. no.4:62-65 Ap '64.

Extent of student participation in class. A.Skorniakova. Prof.-tekh.obr. 21 no.4:9-12 Ap '64.

Let's give more attention to farm mechanization. V.S. Ivashkin. Shkola i proizv. 8 no.3:24-28 Mr '64.

On the agenda is the training of machine operators. N.Kolbasiuk. Prof.-tekh.obr. 21 no.4:8-9 Ap '64.

FARM PRODUCE

Zarins, P., and others. [Storage and processing of farm products] Lauksaimniecibas produktu uzglabasana un parstradasana. 2. papildinatais izdevums. Riga, Latvijas Valsts izd-ba, 1964. 378 p. [In Latvian]

FARM PRODUCE—CONTRACTS AND SPECIFICATIONS

Margolin, M.Z. [Delivery and acceptance of perishable goods] Postavka i priemka skoroportiashchikhsia tovarov. Moskva, "IUridicheskaia literatura," 1964. 101 p. (Bibliotechka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

FARM PRODUCE—LABORATORY MANUALS

Androsik, A.S., and V.S.Shmal'ko. [Laboratory manual on the technology of agricultural products] Laboratornyi praktikum po tekhnologii sel'skokhoziaistvennykh produktov. Moskva, Izd-vo "Kolos," 1964. 190 p.

FARM PRODUCE—MARKETING
(see also subdivision under Moldavia)

Commodity and monetary relations between city and village during the large-scale building of communism. T.M.Fedorova. Uch.zap.Kish.un.: Mezhvuz.sbor.po polit.ekon no.2:51-54 '63.

FARM PRODUCE—TRANSPORTATION
(see also subdivision under Bashkiria)

About the use of tractors in transportation work. M.N. IEmel'ianov, V.H.Hnevkovs'kyi. Mekh.sil'.hosp. 13 no.10:16-17 O '62.

All efforts for the development of agriculture. Avt. transp. 42 no.4:4-5 Ap '64.

Liability of parties to a carrier contract concerning trucking farm produce. G.Gurevich. Sov.iust. 28 no.9:10-12 My '64.

FARMHOUSES see subdivision under Crimea

FARMS—VALUATION

Economic bases of land cadastre. E.Burminova. Ekon. sel'khoz. 35 no.4:93-98 Ap '64.

FAT

Effect of fats on penicillin production. R.Jofo, G.Kleiners. Antibiotiki 8 no.8:684-689 Ag '63.

FAT METABOLISM

Fat metabolism in Calanus helgolandicus (Claus) under experimental conditions. T.S.Petipa. Dokl.AN SSSR 155 no.2:470-473 Mr '64.

FATIGUE, MENTAL

Disorders in higher nervous activity and control of these disorders in mental fatigue in school children. L.N. Shustruiskaia. Vest.AMN SSSR 18 no.2:28-33 '63.

FATIGUE TESTING MACHINES

Apparatus for high-temperature fatigue testing of a rotating specimen under cantilever bending. A.A. Gudkov, I.K.Evteev, L.V.Balashov. Zav.lab. 30 no.5:606-607 '64.

Fatigue testing machine for crankshafts. E.I.Zhuk. Zav.lab. 30 no.5:608-609 '64.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY) see subdivision under Alakul' Depression; Dzungarian Alatau; Kazakhstan

FECES—ANALYSIS

Diet in repeated examinations of the feces for occult blood in peptic ulcer. A.A.Krylov. Vop.pit. 21 no.5:82-83 S-O '62.

FECES—MICROBIOLOGY

Parasitological diagnosis of amebic dysentery. N.A. Bakulina. Lab.delo 8 no.7:47-50 Jl '62.

FEDERAL GOVERNMENT

Groshev, I.I., ed. [Fraternal commonwealth of the peoples of the U.S.S.R. 1922-1936; a collection of documents and other materials] Bratskoe sodruzhestvo narodov SSSR 1922-1936 gg.; sbornik dokumentov i materialov. Moskva, "Mysl'," 1964. 436 p.

V.I.Lenin on forms of state capable of a socialist solution of the nationality problem. E.V.Tadevosian. Vop.filos. 18 no.4:27-37 '64.

FEDIUSHIN, ANATOLII VLADIMIROVICH, 1891-

A.V.Fediushin, zoologist of Siberia. G.M.Krivishchekov. Okhr.prir.Sib.i Dal'.Vost. no.1:217-220 '62.

FEDOROV, VLADIMIR KONSTANTINOVICH, 1903-1963

V.K.Fedorov. Zhur.nevr.i psikh. 64 no.2:317 '64.

FEED GRINDERS

How to improve the efficiency of green forage grinders. S.A.Prytchenko. Mekh.sil'.hosp. 15 no.5:28-29 My '64.

The KPI-4 root cutter. V.Dargis. Tekh.v sel'khoz. 23 no.12:22-23 D '63.

FEED GRINDERS—SAFETY MEASURES

Ways to prevent the fire hazards of feed grinders. V.Tochilkina, V.Vybornov. Pozh.delo no.3:28 Mr '64.

FEED MECHANISMS

Determining parameters of the magnetostriction drive for feed mechanisms. O.I.Blokh, IU.G.Khvalov. Stan.i instr. 35 no.4:13-15 Ap '64.

Feeding of billets in automatic transfer machine lines. V.F.Preis, E.N.Frolovich. Mekh.i avtom.proizv. 18 no.4:7-11 Ap '64.

Vibratory feed mechanism of machine tools for bushing-type billets. L.P.Andreev, S.A.Kartavov. Mashinostroenie no.2:22-23 Mr-Ap '64.

FEED MECHANISMS—BRAKES

Adopting and modernizing feed mechanisms with hydraulic brakes. V.S.Artiukh. Stal' 23 no.3:247-252 Mr '64.

FEED MILLS—DESIGN AND CONSTRUCTION see subdivision under Vinnitsa Province

FEEDING—EQUIPMENT AND SUPPLIES
(see also subdivision under Ukraine)

Use machinery efficiently in the preparation and distribution of green forage. A.IAvorskii. Tekh.v sel'khoz. 23 no.12:19-22 D '63.

FEEDS
(see also subdivision under Moscow Province; Rostov region, Yaroslavl Province; Uzbekistan; White Russia)

Feed meal prepared from wing flaps. N.Fokin. Mias. ind.SSSR 34 no.6:37-38 '63.

Goncharov, B.P., and O.A.Nikiforov. [Green forage in winter] Zelenyi korm zimoi. Leningrad, Izd-vo "Kolos," 1964. 70 p.
(DNAL)

Makarova, M.M., ed. [Role of micro-organisms in the increase of the effectiveness of feeds and the productivity of livestock] Rol' mikroorganizmov v povyshenii effektivnosti kormov i produktivnosti zhivotnovodstva. Leningrad, Izd-vo "Kolos," 1964. 94 p.
(DNAL)

New types of feeds from fish wastes and inedible fish. A.P.Chernogortsev, V.I.Shenderiuk. Izv.vys.ucheb. zav.; pishch.tekh. no.2:44-45 '64.

FEEDS—CONGRESSES

Conference on the scientific principles underlying the chemicalization of animal husbandry. A.IA.Masloboev. Khim.v sel'.khoz. 2 no.3:56-57 Mr '64.

FEEDS—ECONOMIC ASPECTS

Syroezhin, I.M. [Optimal feed balance calculations on collective and state farms] Raschet optimal'nogo kormovogo balansa v kolkhozakh i sovkhozakh. Moskva, Izd-vo "Kolos," 1964. 108 p.

FEEDS—TOXICOLOGY

Toxicity for animals of the cancerous potato. S.P. Zakrividoroga and others. Vop.pit. 21 no.5:59-66 S-O '62.

FEEDWATER

Behavior of sodium sulfite when used as an additive in boiler water. V.M.Khapaev. Teploenergetika 11 no.1:49-52 Ja '64.

Experience in decreasing heat losses in scavenging water. K.M.Abdullaev, M.A.Falkovskii. Prom.energ. 19 no.2:30-32 F '64.

Letter to the editor. V.K.Eremenko. Teploenergetika 11 no.1:96 Ja '64.

FEEDWATER PURIFICATION

Improvement of the operation of water clarifying stations in power systems of industrial enterprises. A.I. Shakhov, S.S.Dushkin. Energ.i elektrotekh.prom. no.1:54-56 Ja-Mr '64.

FELDSPAR

Electrostatic separation of feldspars. G.A.Nekrashevich. Trudy NIIStroikeramiki no.19:92-107 '62.

Substitution of foraminifera for quartz and feldspar at early stages of metamorphism. N.P.Malakhova. Dokl.AN SSSR 155 no.2:361-363 Mr '64.

FELON (DISEASE)

Treatment of paronychia. V.G.Kuznetsov. Zdrav. Kazakh. 23 no.4:14-15 '63.

Treatment of yeast paronychias and onychias with zinc sulfate electrophoresis. S.N.Potapova. Nauch.trudy GIDUV no.12:96-100 '57.

FEMORAL ARTERY

Atypical removal of embolism of the right femoral artery. V.I.Prokubovskii. Khirurgiia no.1:125-126 '63.

FEMORAL ARTERY—INNERVATION

Development of the nervous apparatus of the large human arteries in embryogenesis [with summary in English]. L.I.Belenko. Arkh.anat., gist.i embr. 43 no.12:42-49 D '62.

FEMUR—SURGERY

Set of cutters for working on the trochanteric fossa. K.M. Sivash, I.M.Bezukhov, E.S.Kuz'mina. Med.prom. 17 no.10:54-55 O '63.

FERDMAN, DAVID LUZINEVICH, 1903-

D.L.Ferdman; on the 60th anniversary of his birth. Ukr. biokhim.zhur. 35 no.1:153-155 '63.

FERGANA—AGRICULTURE

Development of cotton growing and related branches in the Kokand group regions. N.Valikhanov. Nauch.trudy TashGU no.213, Geog.nauki no.24:122-130 '63.

FERGANA—CLIMATOLOGY, MEDICAL

Antirheumatic climatic properties in the Fergana Valley. V.T.Talalaev. Nauch.trudy Riaz.med.inst. 14:21-23 '63.

FERGANA—COTTON GROWING

Development of cotton growing and related branches in the Kokand group regions. N.Valikhanov. Nauch.trudy TashGU no.213, Geog.nauki no.24:122-130 '63.

FERGANA—ECONOMIC CONDITIONS

Several problems in the economic development of western Fergana. M.Valikhanov. Nauch.trudy TashGU no.213, Geog.nauki no.24:139-152 '63.

FERGANA—PETROLEUM GEOLOGY

Hydrochemical and geochemical criteria for determining the oil and gas potentials of Fergana and Usturt. Kh.A. Ravikovich, A.K.Karimov. Neftegaz.geol.i geofiz. no.12:33-37 '63.

FERGANA—RHEUMATIC FEVER

Antirheumatic climatic properties in the Fergana Valley. V.T.Talalaev. Nauch.trudy Riaz.med.inst. 14:21-23 '63.

FERGANA—STATE FARMS—MANAGEMENT

Hidden possibilities of the state farms in Fergana. Komm.Uz. 36 no.4:76-79 Ap '64.

FERMENTATION

Changes in the milk yield and basic components of milk as related to the intensity of fermentative processes in the rumen of cows. Kh.Diusembin. Trudy Inst.fiziol. AN Kazakh.SSR 5:94-97 '63.

Mash souring in ripe beer. K.G.Danilov, V.L.IArovenko. Trudy TSNIISP no.13:25-28 '62.

Susceptibility of starch to attack by ferments during its aging. F.G.Krivolapov, L.E.Sinel'nikova, L.I.Shilova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:24-25 '64.

FERMENTATION—EQUIPMENT AND SUPPLIES

Continuous system developed by the Central Scientific Research Institute of the Distilling Industries for the growing of mold fungi with the surface method. S.P. Koloskov. Trudy TSNIISP no.13:44-54 '62.

FERMENTATION—EQUIPMENT AND SUPPLIES (Continued)

Graphic analytical method for calculating the surface of the working membranes in the purification of fermentation solutions by the dialysis method. K.P.Stepanishchev. Trudy TSNIISP no.13:40-43 '62.

Propagation of yeast cells and recommendations on the technological design of fermenter batteries. K.G. Danilov. Trudy TSNIISP no.13:28-34 '62.

FERNS

Comparative morphological and anatomical study of the species of Polypodium L. of the flora of the U.S.S.R. A.E.Bobrov. Bot.zhur. 49 no.4:534-545 Ap '64.

FERRITES (MAGNETIC MATERIALS)

Anomalous magnetic properties of certain ferrites of hexagonal structure. T.A.Elkina, L.I.Koroleva. Izv. AN SSSR.Ser.fiz. 28 no.3:529-532 Mr '64.

Characteristics of the domain structure of ferrites and its dynamics in rotating magnetic fields of variable intensity. L.V.Kirenskii and others. Izv.AN SSSR. Ser.fiz. 28 no.3:545-552 Mr '64.

Improvement of the magnetic characteristics of magnesium-manganese ferrites by the admixture of scandium oxide. D.E.Bondarev. Izv.AN SSSR.Ser.fiz. 28 no.3:607-610 Mr '64.

Leningrad. Elektrotekhnicheskii institut. [Electromagnetic devices] Elektromagnitnye ustroistva. Leningrad.

No.4. [Magnetic characteristics of ferromagnetic materials; manual on class design work] Magnitnye kharakteristiki ferromagnitnykh materialov; posobie k kursovomu proektirovaniiu. 1962. 39 p.

[MICROFILM]

Measurement of the parameters of ferromagnetic resonance of ferrites. IU.M.IAkovlev. Izv.LETI no.43:163-173 '60.

Neutron diffraction examination of ferrites-garnets. IU.S.Kuz'minov. Kristallografiia 9 no.2:204-208 Mr-Ap '64.

Resonance characteristics of a magnetically uniaxial polycrystalline ferrite in a superhigh-frequency field. K.M.Polivanov, B.P.Pollak.

FERROCENE

Alkylation of ferrocene. A.N.Nesmeianov and others. Dokl.AN SSSR 156 no.1:99-101 My '64.

Complexes with charge transfer formed by ferrocene with trinitro derivatives of benzene. B.J.Getnarski. Dokl.AN SSSR 156 no.3:604-607 '64.

New iron-containing polymers on the basis of ferrocene and their electrophysical properties [with summary in English]. IA.M.Paushkin and others. Vysokom.soed. 6 no.3:545-550 Mr '64.

Photolysis of ferrocene derivatives. A.N.Nesmeianov and others. Dokl.AN SSSR 155 no.5:1130-1133 Ap '64.

Redox potentials of heteroannual disubstituted ferrocenes. E.G.Perevalova and others. Dokl.AN SSSR 155 no.4:857-860 Ap '64.

FERROCENE—SPECTRA

Nuclear magnetic resonance spectra of protons of ferrocene compounds and magnetic anisotropy of ferrocene. IU.IU.Samitov, R.M.Aminova. Dokl.AN SSSR 156 no.1:142-144 My '64.

FERROCYANIDES

Cathodic polarization in the electrodeposition of silver from ferrocyanide electrolytes. R.IU.Bek, N.T. Kudriavtsev, E.A.Nechaev. Zhur.fiz.khim. 36 no.11:2506-2508 N '62.

FERROELECTRIC CRYSTALS

Crystallophysical classification of ferroelectrics and its applications. L.A.Shuvalov. Izv.AN SSSR.Ser.fiz. 28 no.4:660-666 Ap '64.

Explanation of certain properties of ferroelectrics with diffuse phase transitions. V.A.Isupov. Izv.AN SSSR. Ser.fiz. 28 no.4:653-657 Ap '64.

Factors determining the character of ferroelectric phase transitions. V.IA.Fritsberg, B.N.Rolov. Izv.AN SSSR.Ser.fiz. 28 no.4:649-652 Ap '64.

Theory of the oscillation of domain boundaries in ferroelectrics. D.G.Sannikov. Izv.AN SSSR.Ser.fiz. 28 no.4:703-707 Ap '64.

FERROELECTRIC SUBSTANCES

Antiferroelectricity in compounds with a perovskite structure. N.N.Krainik. Izv.AN SSSR.Ser.fiz. 28 no.4:643-648 Ap '64.

Dispersion of permittivity in ferroelectrics. N.P. Khuchua, L.F.Lychkataia. Izv.AN SSSR.Ser.fiz. 28 no.4:708-713 Ap '64.

Ferroelectricity in SbSI and other compounds of elements of groups V, VI, and VII. V.I.Merts, R.Nitshe. Izv. AN SSSR.Ser.fiz. 28 no.4:681-682 Ap '64.

Microwave study of the dispersion of permittivity in barium titanate-type ferroelectrics. M.M.Nekrasov, IU.M.Poplavko. Izv.AN SSSR.Ser.fiz. 28 no.4:714-718 Ap '64.

Some factors affecting the Curie temperature of ferroelectrics with the structure of potassium tungsten bronze. IA.IA.Kruchan. Izv.AN SSSR.Ser.fiz. 28 no.4:691-694 Ap '64.

Some solid solutions on the basis of the ferroelectric - antiferromagnetic $BiFeO_3$. IU.N.Venevtsev and others. Izv.AN SSSR.Ser.fiz. 28 no.4:683-690 Ap '64.

Theoretical model of ABO_3-type ferroelectrics. V.T. Khoziainov. Izv.AN SSSR.Ser.fiz. 28 no.4:620-625 Ap '64.

FERROELECTRIC SUBSTANCES—ELECTRIC PROPERTIES

Calculation of internal electric fields and their gradients, in perovskite compounds with specific dielectric properties. IU.N.Venevtsev and others. Izv.AN SSSR. Ser.fiz. 28 no.4:630-635 Ap '64.

FERROELECTRIC SUBSTANCES—SPECTRA

Statistical phenomena due to periodic repolarization of ferroelectrics. I.A.Andronova. Izv.AN SSSR.Ser.fiz. 28 no.4:722-725 Ap '64.

FERROMAGNETIC RESONANCE

Ferromagnetic resonance in magnetically uniaxial single crystals, and the domain structure. L.G.Onoprienko, O.I.Shiriaeva, IA.S.Shur. Izv.AN SSSR.Ser.fiz. 28 no.3:504-506 Mr '64.

Ferromagnetic resonance in thin iron films. Z.Frait, M.Ondris. Izv.AN SSSR.Ser.fiz. 28 no.3:499-503 Mr '64.

Measurement of the parameters of ferromagnetic resonance of ferrites. IU.M.IAkovlev. Izv.LETI no.43:163-173 '60.

Theory of ferromagnetic resonance. N.A.Potapkov. Izv.AN SSSR.Ser.fiz. 28 no.3:495-498 Mr '64.

Use of the magneto-optical method in studying exchange and ferromagnetic resonances in ferrite-garnets. G.S. Krinchik, G.K.Tiutneva. Izv.AN SSSR.Ser.fiz. 28 no.3:489-494 Mr '64.

FERROMAGNETISM

Magnetooptics of ferromagnetic metals. G.S.Krinchik. Izv.AN SSSR.Ser.fiz. 28 no.3:481-488 Mr '64.

Nonlinear temperature dependence of the ferromagnetic transformation of two Invar alloys under all-round pressure [with summary in English]. L.D.Livshits, IU.S.Genshaft. Zhur.eksp.i teor.fiz. 46 no.3:821-824 Mr '64.

Phenomenological theory of electric and magnetic dipole structures. V.N.Liubimov. Izv.AN SSSR.Ser.fiz. 28 no.4:626-629 Ap '64.

Problem of the coexistence of ferromagnetism and superconductivity. S.V.Vonsovskii, M.S.Svirskii. Izv.AN SSSR.Ser.fiz. 28 no.3:418-422 Mr '64.

Weak ferromagnetism of $BiFeO_3$. V.M.IUdin. Izv.AN SSSR.Ser.fiz. 28 no.3:451-453 Mr '64.

FERROSELITE

Synthesis of ferroselite under hydrothermal conditions. V.A.Kliakhin. Dokl.AN SSSR 155 no.2:346-348 Mr '64.

FERSMAN, ALEKSANDR EVGEN'EVICH, 1883-1945

A.E.Fersman; on the 80th anniversary of his birth. Vest.AN SSSR 34 no.2:129-130 F '64.

Aleksandr Evgen'evich Fersman and problems of minerals; on the 80th anniversary of his birth. Geol.rud.mestorozh. 5 no.6:119-120 N-D '63.

The 80th anniversary of Academician A.E.Fersman's birth. D.I.Shcherbakov. Izv.AN SSSR.Ser.geol. 29 no.1:127-128 Ja '64.

FERTILIZATION (BIOLOGY)

"Physical and chemical foundations of fertilization" by V.A.Dorfman. Reviewed by A.I.Zotin. Vest.AN SSS 34 no.1:136-137 Ja '64.

FERTILIZATION OF PLANTS

Additional artificial pollination of self-pollinators. P.I. Kubarev. Bot.; issl.Bel.otd.VBO no.5:192-195 '63.

Biological nature of the process of fertilization. A.A. Avakian, M.G.Shumanskaia. Agrobiologiia no.5:643-651 S-O '63.

Effect of pollenizer varieties on the quality of seeds and seedling stock of apple trees. L.P.Perekhodkin. Biul. Glav.bot.sada no.48:56-61 '63.

Heterosis and the fertilization process in plants. IE.L. Holyns'ka. Ukr.bot.zhur. 21 no.2:21-36 '64.

FERTILIZER INDUSTRY (see also subdivision under Canada)

New urgent problems. Vest.LGU 19 no.6:5-6 '64.

FERTILIZER INDUSTRY—COSTS

Ways to reduce the cost of mineral fertilizers. A.Nikolashkin. Fin.SSSR 38 no.3:20-23 Mr '64.

FERTILIZER PLANTS—DESIGN AND CONSTRUCTION see subdivision under Grodno

FERTILIZER PLANTS—EQUIPMENT AND SUPPLIES

Assembling reservoirs with a capacity of 10,000 m^3, for nitrogen fertilizer plants. B.V.Popovskii, G.V. Linevich, A.D.Shavkuta. Mont.i spets.rab.v stroi. 26 no.4:3-6 Ap '64.

FERTILIZER SPREADERS

Centrifugal spreaders of mineral fertilizers. L.M.Kliatis. Mekh.i elek.sots.sel'khoz. 22 no.1:1-4 '64.

Devices for the placement of fertilizers. Zemledelie 26 no.4:85-87 '64.

How to attach the HAN-8 machine to the MTZ-50PL tractor. R.M.Mertsedin. Mekh.sil'.hosp. 15 no.5:22 My '64.

Using machines for the nutrition of winter crops. S.O. Karpenko. Mekh.sil'.hosp. 15 no.2:6-7 F '64.

FERTILIZERS AND MANURES (see also subdivision under Chuguyev District; Drogobych District; Germany, East; Khokol District; Krasnodar Territory; Krasnograd District; Odessa Province; Ukraine; White Russia; Zhitomir Province)

Academician D.N.Prianishnikov talks about peat fertilizers. Torf.prom. 41 no.3:5-8 '64.

Chemistry is a decisive means for increasing the production of grain in the Ukraine. L.Andrienko. Ekon.sel'khoz. 35 no.3:9-17 Mr '64.

Chernikov, B.P. [Technology of the surface or layer method of procuring peat fertilizers] Tekhnologiia poverkhnostno-posloinoi zagotovki torfianykh udobrenii. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 35 p.

[DNAL MICROFILM]

Competition for the best use of mineral fertilizers. P.Tadeush. Ekon.sel'khoz. 35 no.4:121-122 Ap '64.

Composts and organic-mineral fertilizers; survey of articles. T.Fedeneva. Zemledelie 26 no.1:43-45 Ja '64.

Concentrated and combined fertilizers. P.A.Vlasiuk. Priroda 53 no.5:59-63 '64.

Effect of organic-mineral fertilizers on the yield of farm crops and properties of soils as related to their methodical use in crop rotation. F.I.Metel'skii. Agrobiologiia no.5:725-733 S-O '63.

Effect of the additions of synthetic resins on the physical properties of fertilizer mixtures. N.V.Babenko. Khim v sel'.khoz. 2 no.2:19-21 F '64.

Effective use of fertilizers and the further intensification of agriculture. N.N.Baranov. Khim.v sel'.khoz. 2 no.2:2-6 F '64.

For an overall and efficient chemicalization of agriculture. V.D.Pannikov. Zemledelie 26 no.1:2-8 Ja '64.

Fundamentals of the fertilizing system. P.G.Naidin. Zemledelie 26 no.4:44-52 Ap '64.

Granulation of fertilizers from organic-mineral mixtures. N.Polunin. Tekh.v sel'khoz. 23 no.12:14-16 D '63.

Increasing the effectiveness of fertilizers. G.A.Cheremisinov. Zemledelie 26 no.1:12-22 Ja '64.

Initiative of the Toguchin agronomists. K.N.Kuz'min. Zemledelie 26 no.1:76-77 Ja '64.

Plant nutrition and the use of fertilizers. Z.I.Zhurbitskii. Zemledelie 26 no.4:52-55 Ap '64.

Potentialities in metallurgy for the chemicalization of the national economy. Izv.vys.ucheb.zav.; chern.met. 7 no.5:5-6 '64.

Review of the book "Soils, fertilizers, and crop yields." G.Golovin. Zemledelie 26 no.1:92-96 Ja '64.

Sapropel as fertilizer [with summaries in English, German, and French]. A.IA.Rubinshtein. Vest.sel'khoz. nauki 8 no.12:18-21 D '63.

Several problems in the economics of fertilizer application. L.Grushetskii. Plan.khoz. 41 no.5:73-77 My '64.

Simplest field methods for determining the plants' need for fertilizers. T.S.Dagaeva. Shkola i proizv. 8 no.3:56-60 Mr '64.

Some physicochemical properties of liquid complex fertilizers obtained by the nitric acid treatment of phosphates. U.Ibragimova, M.N.Nabiev. Uzb.khim. zhur. 8 no.2:18-25 '64.

Technology and mechanization of the preparation of peat-mineral fertilizers. B.Chernikov, M.Kazakov. Tekh. v sel'khoz. 23 no.12:7-14 D '63.

Use fertilizers more efficiently. G.A.Cheremisinov. Vest.sel'khoz.nauki 8 no.12:1-8 D '63.

Use of the wastes of leather manufacture as fertilizers. A.A.Golovteeva. Kozh.obuv.prom. 5 no.12:37 D '63.

What the participants of the December Plenum of the Central Committee of the CPSU say. M.D.Belous. Zemledelie 26 no.1:9-11 Ja '64.

Zakavkazskoe soveshchanie po agrokhimii. 3d, Tbilisi, 1960. [Abstracts of reports and work plan of the Third Transcaucasian Conference on Agricultural Chemistry] Tezisy dokladov i plan raboty. Tbilisy, Izd-vo Gruzinskogo sel'khoz.in-ta, 1960. 99 p.

[DNAL MICROFILM]

FERTILIZERS AND MANURES—ECONOMIC ASPECTS see subdivision under White Russia

FERTILIZERS AND MANURES—HANDLING

Mechanization of the use of mineral fertilizers. M.A. Litvinov. Mekh.i elek.sots.sel'khoz. 22 no.1:62-64 '64.

Overall mechanization as the main condition of the efficient use of fertilizers. Tekh.v sel'khoz. 23 no.12:1-3 D '63.

Studying the performance of bucket grabs in the transshipment of mineral fertilizers. L.A.Goberman. Mekh.i elek.sots.sel'khoz. 22 no.1:4-8 '64.

FERTILIZERS AND MANURES—RESEARCH

Assimilation by plants of phosphate ions, absorbed by anion exchangers. L.V.Sidorina. Khim.v sel'.khoz. 2 no.3:6-9 Mr '64.

FETUS

Asymmetry of the sacral sympathetic trunks in human fetuses. R.A.Usmanova. Nauch.trudy SamMI 21:60-62 '62.

Copper and iron content in the organs and tissues of human fetuses in different periods of their intrauterine development. I.A.Ataullakhanov, I.G.Priev. Nauch.trudy SamMI 21:173-180 '62.

Morphology of rami communicantes of the lumbar section of the sympathetic trunk in human fetuses. M.N. Khalkuziev, T.U.Aripova. Nauch.trudy SamMI 21: 63-65 '62.

New method of determining iodine in the thyroid gland of human fetuses in different periods of their embryonic development. A.M.Rasulov. Nauch.trudy SamMI 21:186-194 '62.

Position and forms of the sympathetic trunk in the lumbar section of human fetuses. T.U.Aripova. Nauch.trudy SamMI 21:53-54 '62.

FETUS—DISEASES

Transplacental side effects of tetracyclines on the rabbit fetus. A.I.Barkalaia, A.M.Prokhorova. Antibiotiki 8 no.8:728-732 Ag '63.

FETUS, DEATH OF

Stillbirth in pelvic presentation. G.F.Kulybekova. Zdrav.Kazakh. 23 no.4:25-27 '63.

FEUDALISM

(see also subdivision under Africa; Europe, Western; Moldavia; Sweden)

Features of feudalism and phantoms of the past. V.T. Pashuto. Ist.SSSR 8 no.2:188-204 Mr-Ap '64.

FIBER GLASS see Glass fibers

FIBERBOARD

Fiber-particle boards. Biul.stroi.tekh. 21 no.2:30-32 F '64.

FIBRIN

Use of autofibrin films in otiatry. V.IA.Gapanovich. Zhur.ush.,nos.i gorl.bol. 23 no.6:81-82 N-D '63.

FIBRINOGEN

Fibrinogen fractions [with summary in English]. T.V. Varets'ka. Ukr.biokhim.zhur. 35 no.1:104-112 '63.

A simple method for approximate determination of the quantity of fibrinogen in the blood with the aid of the gravimetric method. I.I.Barenbaum. Lab.delo 8 no.7:24-25 Jl '62.

Turbidimetric modification of determining fibrinogen with the use of a photoelectrocolorimeter. I.I.Dantsig, A.S.Kantorovich. Lab.delo 8 no.7:22-24 Jl '62.

FIBRINOLYSIS

Accelerated method of determination of the fibrinolytic activity of cadaveric blood for the selection of a preservation method. S.A.Lazarevskii, I.V.Saburova. Lab.delo 9 no.4:46-48 Ap '63.

Some indices of heparin metabolism and fibrinolytic activity of the blood in patients with cerebral atherosclerosis with mental disorders. M.S.Tropper. Zhur. nevr.i psikh. 64 no.2:275-280 '64.

FIBROBLASTS

Simplification of the methodology for cultivation of human embryonal fibroblasts. V.P.Nikolaev. Lab.delo 9 no.4:33-35 Ap '63.

FIBROIN

Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. A.S.Antonov and others. Dokl.AN SSSR 155 no.5:1201-1204 Ap '64.

Specificity in the biosynthesis of silk fibroin. IU.B. Filippovich, N.N.Beliaeva. Dokl.AN SSSR 155 no.2: 468-469 Mr '64.

FIELD CROPS

(see also subdivision under Vedi District)

For large winter crops. P.Kutsyi. Zemledelie 26 no.4:78-81 Ap '64.

Mathematical models for the structure of planting acreage on a farm. V.A.Kardash. Prim.mat.v ekon. no.2: 94-99 '64.

Without expenditure of manual labor. E.M.Sechenov. Zashch.rast.ot vred.i bol. 9 no.4:27 '64.

FIELD CROPS—DISEASE AND PEST RESISTANCE see subdivision under Kulunda Steppe

FIELD CROPS—FERTILIZERS AND MANURES see subdivision under Krasnodar Territory; Ukraine

FIELD CROPS—IRRIGATION

Determining the design and execution of optimal irrigation systems for farm crops. S.P.Sergeev. Trudy Kras. NIISKH 1:99-120 '62.

FIELD EMISSION

Quantum oscillations of a cold emission current from metals in a magnetic field [with summary in English]. G.A.Gogadze, F.I.Itskovich, I.O.Kulik. Zhur.eksp. i teor.fiz. 46 no.3:913-919 Mr '64.

FIELD THEORY

Energy spectrum of conductivity electrons in a magnetic field [with summary in English]. M.IA.Azbel'. Zhur. eksp.i teor.fiz. 46 no.3:929-946 Mr '64.

Volkov, M.K., and G.V.Efimov. [Analytical properties of amplitudes in the second order of the nonlinear field theory] Analiticheskie svoistva amplitud vo vtorom poriadke nelineinoi teorii polia. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 9 p.

FIELDS, ALGEBRAIC

Unimprovable estimate of trigonometric sums for recursive functions with nonconstant coefficients. V.I. Nechaev. Dokl.AN SSSR 154 no.3:520-522 Ja '64.

FILIPPOV, MIKHAIL MIKHAILOVICH, 1858-1903

Fate of a book and an author: M.M.Filippov's book "Studies of the past." IA.B.Kogan. Priroda 53 no.5: 124-125 '64.

FILLERS (CHEMICAL TECHNOLOGY)

Effect of fillers on the thermal shrinkage and glass transition temperature of rubber. M.V.Voevodskaia, G.M.Bartenev. Kauch.i rez. 23 no.3:21-25 Mr '64.

Using enriched oil shale as a filler in ebonite mixtures. V.IA.Shlyk and others. Trudy VNIIT no.11:28-34 '62.

Volunteer research workers discuss the ways to increase filler retention by paper. Bum.prom. no.1: 2 of insert Ja '64.

FILMS (CHEMISTRY)—TESTING

Anisotropy of the mechanical properties of uniaxially oriented polymer films [with summary in English]. G.L.Slonimskii, T.A.Dikareva. Vysokom.soed. 6 no.1:153-157 Ja '64.

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 1: Obtaining various supermolecular structures during formation of gutta-percha films and study of their mechanical properties [with summary in English]. V.A.Kargin, T.I.Sogolova, L.I.Nadareishvili. Vysokom.soed. 6 no.1:165-168 Ja '64.

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 2: Character of the spherolite structure breakdown and the mechanical properties of gutta-percha on repeated deformations of the films. [with summary in English]. V.A.Kargin, T.I.Sogolova, L.I.Nadareishvili. Vysokom.soed. 6 no.1:169-173 Ja '64.

FILTERS AND FILTRATION

Concerning the consumption of filter cloth. P.S.Maksimuk. Sakh.prom. 37 no.12:4-6 D '63.

Filtration of a paraoxydiphenylamine solution in aromatic solvents. I.V.Rozhkov, K.V.Rybakov. Nefteper.i neftekhim. no.4:21-24 '64.

Hydraulic resistance of media with channel porosity. N.U.Koida. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:60-63 '63.

Liquid foamy filters for the absorption of bacterial aerosols [with summary in English]. E.P.Sinel'nikova. Zhur.mikrobiol.,epid.i immun. 40 no.4:49-53 Ap '63.

Technical instructions for filtration calculation of structures in an irrigation network (a draft). N.A. TSvetkova. Vop.gidr. no.11:5-33 '63.

Use of battery hydrocyclones for juice filtration. F.N. Dobronravov. Sakh.prom. 37 no.12:14-17 D '63.

Very simple adjustment to the Seitz filtration apparatus. F.P.Riabov. Lab.delo no.3:188 '64.

FINANCE

(see also subdivision under Kiev; Kishinev; Lugansk; Ukraine; Vietnam, North)

Eliminate deficiencies in construction financing faster. A.Razinkov. Fin.SSSR 38 no.3:30-32 Mr '64.

In the Collegium of the Ministry of Finance of the U.S.S.R. Fin.SSSR 38 no.3:89-92 Mr '64.

Kruk, D.M. [Intraplant business accounting] Vnutrizavodskii khozraschet. Moskva, Izd-vo "Finansy," 1964. 100 p.

Let us devote all our strength to the solving of the most important problems of the building of communism. M.IAsnov. Den.i kred. 22 no.4:3-9 Ap '64.

Masevich, M.G. [Contract on delivery of goods and its role in strengthening the business accounting system] Dogovor postavki i ego rol' v ukreplenii khozrascheta. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 316 p.

On unnecessary structural units, inflated personnel and excessive wages; review of articles and correspondence received by the editor. Fin.SSSR 38 no.3:60-64 Mr '64.

Replies to the editor. Fin.SSSR 38 no.4:52-55 Ap '64.

Tatur, S.K. [Business accounting in industry] Khoziaistvennyi raschet v promyshlennosti.Izd. 2., dop. Moskva, Izd-vo "Finansy," 1964. 302 p.

Textbook on the finances of the U.S.S.R. V.Lazoskii and others. Fin.SSSR 38 no.3:82-86 Mr '64.

Useful book. D.Molliakov. Fin.SSSR 38 no.3:86-88 Mr '64.

FINANCE—BIBLIOGRAPHY see Bibliography—Finance

FINANCE—PERIODICALS

Conference of the readers of "Finansy S.S.S.R." in Kiev. Fin.SSSR 38 no.3:94-95 Mr '64.

FINGERS—DISEASES

Treatment of chinga with a specific diplococcal serum. Report No.4. M.IA.Alfer'eva, G.V.Popov. Sbor.nauch rab.Arkh.IEMG no.4:72-76 '60.

FINISHES AND FINISHING see subdivision under Odessa

FINLAND—APARTMENT HOUSES

Khafizov, G.Kh. [Use of new materials in the construction of standard apartment houses in Finland] Primenenie novykh materialov v standartnom domostroenii Finliandii. Moskva, TSentr.in-t tekhn.informatsii i ekon.issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti, 1963. 71 p. (Derevoobrabotka)

[MICROFILM]

FINLAND—BUILDING MATERIALS

Khafizov, G.Kh. [Use of new materials in the construction of standard apartment houses in Finland] Primenenie novykh materialov v standartnom domostroenii Finliandii. Moskva, TSentr.in-t tekhn.informatsii i ekon.issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti, 1963. 71 p. (Derevoobrabotka)

[MICROFILM

FINLAND—FORESTS AND FORESTRY

A 15-day visit in the forests of Finland. M.M.Bochkarev Les.khoz. 17 no.4:87-93 Ap '64.

FIR see subdivision under Ichnya District

FIRE CONTROL (GUNNERY)

Adjustment with the help of an airplane. V.Il'inchenko. Voen.vest. no.3:78-79 Mr '64.

Firing with a large displacement on a wide target. V.Ivanov. Voen.vest. no.3:75-78 Mr '64.

FIRE DEPARTMENTS see subdivision under Kemerovo Province

FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES

Our efficiency promoters. Pozh.delo no.3:29-30 Mr '64.

Use plastics in fire department equipment. N.Khmelev. Pozh.delo no.3:21 Mr '64.

FIRE EXTINCTION—CHEMICAL SYSTEMS

Mobile air-foam apparatus. A.Dovgan'. Pozh.delo no.3:23 Mr '64.

FIRE EXTINCTION—WATER SUPPLY

Waterproofing of concrete reservoirs. I.Beliakov, I.Rassadkin. Pozh.delo no.4:22 Ap '64.

FIRE PREVENTION

In foreign countries. Pozh.delo no.4:31 Ap '64.

New conditions, new tasks. Pozh.delo no.3:4-6 Mr '64.

Readers' letters. Pozh.delo no.3:32 Mr '64.

Readers' letters. Pozh.delo no.4:30 Ap '64.

Triumph of Lenin's ideas. Pozh.delo no.4:1-3 Ap '64.

FIRE PREVENTION—LAWS AND REGULATIONS

Decree tested by time. D.Postnikov. Pozh.delo no.4: 4 Ap '64.

FIRE PREVENTION—RESEARCH

Fire prevention section continues its work. A.Rudakov. Pozh.delo no.4:23 Ap '64.

FIREBOATS

Comrades of arms. M.Sukiiasov. Pozh.delo no.3:21 Mr '64.

FIREMEN

(see also subdivision under Zaporozh'ye)

About good people. Pozh.delo no.4:15-16 Ap '64.

Ahead toward new achievements, Russia's athletes. M.Gusev. Pozh.delo no.4:19 Ap '64.

Communism characteristics are being shaped today. A.Simonov, A.Svistunov. Pozh.delo no.4:12-13 Ap '64.

In first-class health. M.Feliksen. Pozh.delo no.4: 20 Ap '64.

Sport organizations of firemen appear on the big stage. Pozh.delo no.3:18 Mr '64.

Test of willpower. S.Martynov. Pozh.delo no.4:11 Ap '64.

FIREMEN—EDUCATION AND TRAINING see subdivision under Moscow Province

FIREWEED see subdivision under Cherno Mountains

FIRST AID IN ILLNESS AND INJURY

Naravtsevich, Z. A., and N. M. Khodakov. [For the participant of a tourists trip] Uchastniku turistskogo pokhoda. Moskva, Meditsina, 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

Quality of diagnoses made by physicians of the first aid service. M.A. Messel'. Sov. zdrav. 22 no. 8:59-62 '63.

FISH, CANNED—STERILIZATION

Sterilization of fish cans in the stream of hot air. M.S. Aminov, L. I. Skorokhodova. Ryb. khoz. 40 no. 3:52-53 '64.

FISH, DRIED

Voskresenskii, N. A. [Fish freezing and drying by sublimation] Zamorazhivanie i sushka ryby metodom sublimatsii. Moskva, Rybnoe khoziaistvo, 1963. 256 p.

FISH, SMOKED
(see also subdivision under Kiev; Moscow)

Quality changes in muscle fibers of fish during hot smoking. V. N. Nikitin. Ryb. khoz. 40 no. 3:49-51 '64.

FISH CULTURE
(see also subdivision under Volga Delta)

Mil'shtein, V. V. [Improvement in the biotechnics of sturgeon farming] Sovershenstvovanie biotekhniki razvedeniia osetrovykh. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 22 p. (Vosproizvodstvo rybnykh zapasov)

Theoretical and practical principles of artificial fish culture. N. I. Kozhin. Vop. ikht. 4 no. 1:92-96 '64.

FISH CULTURE—EQUIPMENT AND SUPPLIES

[Designing and building fish farms and fish hatcheries] Proektirovanie i stroitel'stvo rybovodnykh khoziaistv i zavodov. [By] B. A. Kaspin i dr. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 365 p.

FISH INTRODUCTION
(see also subdivision under Balkhash, Lake)

Brief news and information. Vop. ikht. 4 no. 1:196-197 '64.

Commercial significance of acclimatization. E. V. Burmakin. Ryb. khoz. 40 no. 3:14-15 '64.

FISH POPULATIONS

Study of fish population dynamics on the basis of a population conceived as a cybernetic system. V. V. Menshutkin. Vop. ikht. 4 no. 1:23-33 '64.

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES
(see also subdivision under Kiev)

Determination of the mechanization level of basic production in a fish processing plant. I. Mogilevskii, M. Shuvalova. Ryb. khoz. 40 no. 3:72-75 '64.

Sorting machine for gobies constructed by the Azov-Black Sea Fishery Research Institute. A. E. Chokhoneli dze. Ryb. khoz. 40 no. 3:66-68 '64.

Vibration conveyers for the orientation and transportation of fish. L. M. Stolin, A. Z. Umantsev. Ryb. khoz. 40 no. 3:41-48 '64.

We must solve the task of creating and applying new techniques in the fishing industry in 1964-1965. E. G. Pavlov. Ryb. khoz. 40 no. 3:3-7 '64.

FISH TRADE

Linear programming and the centralized delivery of goods. K. Filatov and others. Sov. torg. 37 no. 4:14-17 Ap '64.

FISHERIES
(see also subdivision under Aral Sea region; Atlantic Ocean; Omsk Province; Peru; Ust'-Kamchatsk)

Comments on the V. N. Voinikanis-Mirskii's article "The type of engineer we need." I. F. Golovlev. Ryb. khoz. 40 no. 3:76-77 '64.

Profile of a mechanical engineer specialized in the fishing industry. IU. B. IUdovich. Ryb. khoz. 40 no. 3:78 '64.

Remarks on the textbook by V. N. Voinikanis-Mirskii "Technology in commercial fisheries and the fishery of marine animals." V. V. Borishchev. Ryb. khoz. 40 no. 3:90-92 '64.

FISHERIES—ACCOUNTING

Consultations. Ryb. khoz. 40 no. 3:80 '64.

FISHERIES—BIBLIOGRAPHY see Bibliography—Fisheries

FISHERIES—CONGRESSES

From speeches at the Conference on the Performance of Model Fishing Vessels. Ryb. khoz. 40 no. 3:8-11 '64.

FISHERIES—EQUIPMENT AND SUPPLIES

Terent'ev, A. V. [Overall mechanization of fishing harbors] Kompleksnaia mekhanizatsiia rybnykh portov. Moskva, Rybnoe khoziaistvo, 1963. 168 p.

FISHERIES—RESEARCH see subdivision under Cuba

FISHERMEN
(see also subdivision under Russia, Northern)

Energy expenditure of fishery workers on trawlers fishing in the Barents Sea and North Atlantic [with summary in English]. G. I. Bondarev and others. Vop. pit. 21 no. 6:40-43 N-D '62.

FISHERY LAW AND LEGISLATION

Edict of the Presidium of the Supreme Soviet of the U.S.S.R. Sov. iust. 28 no. 9:9 My '64.

FISHERY PRODUCTS

Effect of the pH on the electrophoretic mobility of the muscle proteins of fish. V. V. Bal', V. I. IUr'eva. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:38-39 '64.

Krestov, A. P., A. S. Lazunova, and F. N. Reznikova. [Production of prepared, smoked and gastronomic fish and non-fish products] Proizvodstvo kulinarnykh, kopchenykh, gastronomicheskikh rybnykh i nerybnykh produktov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 214 p.

New types of feeds from fish wastes and inedible fish. A. P. Chernogortsev, V. I. Shenderiuk. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:44-45 '64.

FISHERY PRODUCTS, CANNED see subdivision under Georgia

FISHES see subdivision under Altai Mountains; Dniester River; Sengileyevskaya Reservoir

FISHES—ANATOMY

Size and structure of the brain of some fishes as related to their way of life. M. F. Nikitenko. Vop. ikht. 4 no. 1:34-44 '64.

FISHES—DISEASES AND PESTS

Effect of the seasonal factor on the resistance of fishes to toxic materials. V. I. Luk'ianenko, B. A. Flerov. Vop. ikht. 4 no. 1:178-183 '64.

Survival of some Enterobacteriaceae in the gastrointestinal tract of fishes and its role in sanitary water control. A. M. Gelen. Vop. ikht. 4 no. 1:153-161 '64.

FISHES—EGGS
(see also subdivision under Kakhovka Reservoir)

Optimal dosage and rational use of sperm during insemination of sturgeon eggs. V. Z. Trusov, L. M. Pashkin. Ryb. khoz. 40 no. 3:16-17 '64.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD
(see also subdivision under Baikal, Lake; Sengileyevskaya Reservoir)

Brief news and information. Vop. ikht. 4 no. 1:196-197 '64.

Food indices for fishes. K. R. Fortunatova. Vop. ikht. 4 no. 1:188-190 '64.

FISHES—PARASITES see Parasites—Fishes

FISHES, FOSSIL
(see also subdivision under Peschanyy Peninsula)

History of the formation of the faunistic complexes of freshwater fishes. V. N. IAkovlev. Vop. ikht. 4 no. 1:10-22 '64.

FISHING

In his own way. I. Lashkov. Sov. voin 46 no. 2:45 Ja '64.

FISHING—EQUIPMENT AND SUPPLIES

Modern fish finding instruments. G. V. Nikolaev. Ryb. khoz. 40 no. 3:21-24 '64.

We must solve the task of creating and applying new techniques in the fishing industry in 1964-1965. E. G. Pavlov. Ryb. khoz. 40 no. 3:3-7 '64.

FISHING BOATS
(see also subdivision under Black Sea; Estonia; Maritime Territory)

Improvements made on the production and transport refrigerator ship "Kaliningrad." A. G. Ionov. Ryb. khoz. 40 no. 3:26-28 '64.

FISHING BOATS—MAINTENANCE AND REPAIR see subdivision under Kaliningrad

FISHPONDS see subdivision under Sulin (Poltava Province); Ukraine

FISTULA, ANAL

Atresia of the anus and rectum with fistula in the perineal area [with summary in English]. N. B. Sitkovskii. Vest. khir. 90 no. 5:111-113 My '63.

FISTULA, ARTERIOVENOUS

Hemispheric arterial blood circulation of the brain and some compensatory vascular reactions in carotid-cavernous anastomoses. F. A. Serbinenko. Zhur. nevr. i psikh. 64 no. 2:205-211 '64.

Surgical treatment of fistula between the innominate artery and vein. IU. E. Berezov and others. Khirurgiia no. 1:43-46 '63.

FISTULA, INTESTINAL

Atresia of the anus and rectum with fistula in the perineal area [with summary in English]. N. B. Sitkovskii. Vest. khir. 90 no. 5:111-113 My '63.

FISTULA, PANCREATIC

Polyfistulous methods for studying the relation between pancreas and duodenum. V. I. Galakhov. Uch. zap. Orlov. gos. ped. inst. 18:124-130 '63.

FLAGELLATA

Structural organization and the principles of movement of cilia and flagellums. S. A. Burnasheva, L. G. Fedorova, M. N. Liubimova. Usp. sovr. biol. 56 no. 3:365-380 '63.

FLAME PHOTOMETRY

Atomic-absorption method for determining zinc in metals and alloys [with summary in English]. G. I. Nikolaev. Zhur. anal. khim. 19 no. 1:63-68 '64.

Concentric atomizer for a flame photometer. N. S. Poluektov, IU. V. Zeliukova. Zav. lab. 30 no. 5:635 '64.

Determination of sodium, potassium, and calcium in uranium and its compounds by flame photometry [with summary in English]. G. I. Zhuravlev, I. A. Gavrilova. Zhur. anal. khim. 19 no. 1:54-58 '64.

Flame photometric determination of barium in natural objects [with summary in English]. E. A. Fabrikova, A. G. Isaeva. Zhur. anal. khim. 18 no. 3:329-332 Mr '63.

Flame photometric determination of calcium impurity in hafnium and zirconium preparations. N. S. Poluektov, S. B. Meshkova, M. P. Nikonova. Zav. lab. 30 no. 5:553-554 '64.

FLATFISHES see subdivision under Black Sea

FLAVONES

3,5,7,3',4'-Pentahydroxy-6,8-bis-[N,N'-di-(carboxymethyl)-aminomethyl]-flavone. R. P. Lastovskii, V. V. Sidorenko. Metod. poluch. khim. reak. i prepar. no. 6:76-78 '62.

FLAVORING ESSENCES

Flavoring food with essential oils of spicy plants. I. A. Startsev. Vop. pit. 21 no. 5:87-88 S-O '62.

FLAX

Early sowing of double-purpose flax. I. M. Rybakov. Vest. sel'khoz. nauki 8 no. 12:92-94 D '63.

FLAX—DISEASES AND PESTS

Nematode diseases of flax. N. M. Sveshnikova, L. A. Gus'kova. Zashch. rast. ot vred. i bol. 9 no. 4:42 '64.

FLAX—TESTING

Studying the effect of temperature and time of drying on the properties of flax yarn. Report No. 1. E. V. Tikhomirova. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 1:19-25 '64.

FLAX PROCESSING MACHINERY

Elements of the theoretical analysis of the process of the thinning a layer of retted straw. V. B. Levin. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 1:39-46 '64.

FLEXURE

Calculation of elastic rectangular plates during finite flexures. G. A. Sokolova. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 6:3-10 '63.

Determining flexure of elastic reinforced concrete elements. E. A. Chistiakov. Transp. stroi. 13 no. 11:57-58 N '63.

Shishkin, V. E. [Displacements caused by bending. Statically indeterminate beams; lecture with examples of calculations for correspondence students of the engineering department] Peremeshcheniia pri izgibe. Staticheski neopredelimye balki; lektsiia s primerami raschetov dlia studentov-zaochnikov inzhenernogo fakul'teta. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1962. 46 p. (Lektsii po soprotivleniiu materialov, no. 6)

[MICROFILM]

Theoretical investigation of the bending process taking into consideration the formation of area of secondary plastic deformations during the unloading. IU. P. Kataev, M. I. Lysov. Izv. vys. ucheb. zav.; av. tekh. 7 no. 1:153-160 '64.

FLIGHT, UNPOWERED see Gliding and soaring

FLIGHT TRAINING

Il'chenko, V. M. [Soaring flight] Pariashchii polet. 2-e perer. i dop. izd. Moskva, Izd-vo DOSAAF, 1964. 135 p.

FLOOD CONTROL see subdivision under Amur Valley

FLOOD CONTROL—COSTS

We answer questions. Transp. stroi. 13 no. 11:75 N '63.

FLOOD LANDS see Alluvial Plains

FLOORS, CONCRETE

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Precast monolithic prestressed floors for multistory industrial buildings, practices of the Scientific Research Institute for Structural Elements of the Academy of Construction and Architecture of the U.S.S.R. and the "L'vovpromstroi" Trust] Sbornomonolitnye predvaritel'no napriazhennye nastily perekrytii mnogoetazhnykh promyshlennykh zdanii, opyt Nauchno-issledovatel'skogo instituta stroitel'nykh konstruktsii ASIA USSR i tresta "L'vovpromstroi." Moskva, Gosstroiizdat, 1963. 22 p. [MICROFILM]

Floors for meat combines made of "plastic" concrete. A.[illegible], A.Romodanov. Mias.ind.SSSR 34 no.6: [illegible] '63.

Improvement of the construction of vibration rolled floors. M.Kholmianskii, F.Belavin, B.Gol'dfain. Stroi.i arkhit.Mosk. 12 no.12:22-23 D '63.

FLORENCE—MUSIC FESTIVALS

"Florentine May." B.Khaikin. Sov.muz. 27 no.11:125-[illegible] N '63.

FLORINSKII, ALEKSANDR VASIL'EVICH, 1894-1961

In memory of A.V.Florinskii. Lab.delo 8 no.7:63 Jl '62.

FLOTATION

Changes in the ζ-potential of quartz in the presence of modifying agents and a cation collector. A.N.Dolzhenkova, G.S.Strel'tsyn. Trudy Mekhanobr no.131:24-42 '62.

Chemical-flotation and electric-flotation methods for the purification of waste waters. P.G.Aizenshtain and others. Neft.per.i neftekhim. no.3:18-21 '64.

Desorption of a collector from the surface of minerals. A.S.Konev, L.B.Debrivnaia. Trudy Mekhanobr no.131: 43-74 '62.

Detarring the phenol waste waters from thermal processing of oil shales by pressure flotation. L.E.Volkov, [illegible]. Trudy VNIIT no.11:284-288 '62.

Eigeles, M.A. [Principles of flotation of nonsulfide minerals] Osnovy flotatsii nesul'fidnykh mineralov. Izd.2., perer. i dop. Moskva, Izd-vo "Nedra," 1964. 406 p.

Flotation of alunite ores. V.G.Bakhteeva. Trudy Mekhanobr no.131:219-226 '62.

Flotational enrichment of oil shale. V.A.Proskuriakov, A.G.Rembashevskii, Z.V.Soloveichik. Report No.2: Shale of the Kashpir field. Trudy VNIIT no.11:5-19 '62.

Technology of cyanide-free separation of copper-zinc-pyrite ores. R.I.Sulina, L.A.Nikol'skaia. Trudy Mekhanobr no.131:133-146 '62.

Using statistical dynamics methods for calculating dynamic characteristics of the flotation process. E.A.Ivanov, R.I.Revazashvili. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:154-161 '64.

FLOTATION—EQUIPMENT AND SUPPLIES

Effect of the amount of air drawn in by an impeller of a flotation machine on the results of the flotation. T.M.Miagkova. Trudy Mekhanobr no.131:89-110 '62.

Flotation of phosphorites with cation collectors. T.N.Shevereva. Trudy Mekhanobr no.131:227-236 '62.

Mechanism of the depressing action of carboxymethylcellulose on flotation-active silicates during the flotation of copper-nickel ores. I.I.Vaneev. Trudy Mekhanobr no.131:75-88 '62.

Methods of washing collective concentrates. K.G.Bakinov. Trudy Mekhanobr no.131:256-259 '62.

Separation of nonsulphide minerals in an acid heated medium. L.L.Grosman. Trudy Mekhanobr no.131:208-218 '62.

FLOTATION—TESTING

Using the electrokinetic method in studying the regularities of the flotation process. A.N. Dolzhenkova, G.S.Strel'tsyn. Trudy Mekhanobr no.131:7-23 '62.

FLOUR see subdivision under Kirov

FLOUR—ANALYSIS AND CHEMISTRY

Colloidal chemical processes taking place in food products during storage. I.F.Karpova, E.V.Kazakov. Izv.vys.ucheb.zav.; pishch.tekh. no.2:21-23 '64.

Determination of the baking absorption property of flour by means of the farinograph. P.N.Kizima, T.I.Shkvarkina. Khleb.i kond.prom. 8 no.4:5-6 Ap '64.

FLOUR—TESTING

Moscow. TSentral'naia nauchno-issledovatel'skaia laboratoriia makaronnoi promyshlennosti. [Instruction concerning the VE-2M moisture meter for the determination of moisture content in flour and macaronis] Instruktsiia k vlagomeru VE-2M dlia opredeleniia vlazhnosti muki i makaronnykh izdelii. Moskva, Pishchepromizdat, 1963. 18 p. [MICROFILM]

FLOUR MILLS

Determining efficiency in the utilization of grain in its processing. D.N.Gavrichenkov. Izv.vys.ucheb.zav.; pishch.tekh. no.2:7-9 '64.

FLOUR MILLS—EQUIPMENT AND SUPPLIES

Installing millstone sets, processing and cutting millstones. V.Ponomarev. Muk.-elev.prom. 29 no.10: 28-31 O '63.

Laminar flow of ground grain products during separation on flat sifters. V.V.Gortinskii. Trudy VNIIZ no.42: 19-28 '63.

Using pneumatic conveying in sorting mixtures of grain particles ground with the break systems No.1 and No.2: N.G.Fedotov. Trudy VNIIZ no.42:295-309 '63.

FLOUR MILLS—FIRES AND FIRE PREVENTION

Costs of a confusion. A.Levin. Pozh.delo no.4:11 Ap '64.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS—DISEASES AND PESTS see subdivision under Ural Mountains

FLOWMETERS

Meters for oil distributors. V.N.Kanaev. Transp.i khran.nefti no.11:27-32 '63.

Method for calculating the efficiency of flowmeters with instantaneous cutting off of equal fluid volumes in a measuring chamber and the subsequent displacement of this fluid into a manifold. G.N.Viazenkin. Nefteprom.delo no.10:35-38 '63.

FLUE GASES

Temporary method of calculating the dispersion of discharge in the atmosphere. Biul.stroi.tekh. 20 no.11: 29-31 N '63.

FLUID DYNAMICS

Considering the effect of some factors on heat and mass transfer during turbulent flow of compressible gas in underground gas producers. E.A.Sidorov. Nauch.trudy VNIIPodzemgaza no.10:17-21 '63.

Design of inductive pickups and measuring networks for them. L.A.Gekhter, A.K.Zakurdaev. Vop.gidr. no.12:84-111 '63.

Diagrams for determining the diameter of the discharge pipe of vertical cylindrical and rectangular receptacles. V.A.Alekseev. Khleb.i kond.prom. 8 no.3:21-22 Mr '64.

Experimental and theoretical investigation of the natural oscillation of pipes containing a flowing fluid. A.P.Kovrevskii. Izv.vys.ucheb.zav.; energ. 7 no.4:89-94 Ap '64.

Experimental study of free turbulent superheated steam jets. F.T.Belin, S.IA.Shapiro. Teploenergetika 11 no.5:35-38 My '64.

Flow discontinuity in the consecutive pumping of various petroleums or petroleum products along one pipeline. K.G.Donets, V.I.Chernikin. Neft.khoz. 42 no.5:60-65 My '64.

Length of the mixing chamber of an ejector. IU.I.Lobyntsev, V.F.Lychagin. Trudy VNIIT no.11:254-259 '62.

Relative motion of particles (or drops of a liquid) in a fast gas current. A.T.Litvinov. Teploenergetika 11 no.5:42-44 My '64.

Significance of coefficients of the exponential law covering drag and heat and mass transfer in calculations of the underground gasification process. E.A.Sidorov. Nauch.trudy VNIIPodzemgaza no.10:21-24 '63.

Steady viscous fluid flow near a permeable plate. O.N.Ovchinnikov. Izv.AN SSSR.Mekh.i mashinostr. no.2: 24-30 Mr-Ap '64.

Taking into consideration the reservoir nonuniformity in problems of oil, gas, and water flow. B.B.Lapuk, S.N.Zakirov. Neft.khoz. 42 no.5:49-54 My '64.

Unidimensional viscous fluid flow between two cylindrical walls. G.I.Maikapar. Izv.AN SSSR.Mekh.i mashinostr. no.2:175 Mr-Ap '64.

Using the ultramicroscopic method in investigating speed fields of a fluid flow. D.V.Stetsiuk. Izv.vys.ucheb.zav.; mashinostr. no.2:90-97 '64.

FLUID MECHANICS

Outflow of the real liquid from small orifices. G.A.Eres'ko. Izv.vys.ucheb.zav.; pishch.tekh. no.2: 117-120 '64.

Some problems of unsteady inertial motion of an ideal fluid. K.A.Breus. Ukr.mat.zhur. 16 no.1:72-78 '64.

FLUIDIZATION

Approximate method for calculating the heating kinetics for moist material in a fluidized bed under fluctuating temperature conditions. L.S.Slobodkin. Inzh.-fiz.zhur. 7 no.3:21-26 Mr '64.

Drying of free-flowing materials in a multisectional apparatus with fluidized beds. V.F.Drolov, P.G.Romankov, N.B.Rashkovskaia. Zhur.prikl.khim. 37 no.4:824-831 Ap '64.

New principle of forming a "boiling bed." V.A.Chlenov, N.V.Mikhailov. Dokl.AN SSSR 154 no.3:703-705 Ja '64.

Piezoelectric method of investigating the structure of a fluidized bed. A.E.Gorshtein, V.E.Soroko. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:137-140 '64.

Process of mixing granular materials in an apparatus of continuous operation with a fluidized bed. A.G.Fomichev, V.D.Gvozdev. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:141-147 '64.

Use of the method of the regular regime in studying heat transfer in a fluidized bed. IU.N.Shimanskii, N.I.Syromiatnikov. Inzh.-fiz.zhur. 7 no.3:121-123 Mr '64.

FLUIDS

Determining the aeration degree by piezometers. V.A.Romadin. Dokl.TSKHA no.87:305-312 '63.

Measuring the aeration degree of a flow by the gamma-spectroscopic method. V.A.Romadin. Dokl.TSKHA no.87:313-316 '63.

FLUOPHOSPHORIC ACID—SPECTRA

Additive relations for chemical shifts in magnetic resonance spectra of F^{19} nuclei of fluophosphates and fluophosphonates. V.F.Bystrov and others. Dokl.AN SSSR 156 no.3:637-640 '64.

FLUORESCEIN

Tetramercury fluorescein acetate. G.S.Godlina, E.A.Bozhevol'nov, S.U.Kreingol'd. Metod.poluch.khim.reak.i prepar. no.6:52-54 '62.

FLUORESCEIN—COMPLEXON

Determination of calcium in water, acids, and salts by means of fluorescein-complexon. E.A.Bozhevol'nov, S.U.Kreingol'd. Metod.anal.khim.reak.i prepar. no.4:85-88 '62.

Determination of copper in water and acid with fluorescein-complexon. S.U.Kreingol'd, E.A.Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:100-107 '62.

Determination of sulfates in water, acids, and salts with fluorescein-complexon. E.A.Bozhevol'nov, S.U.Kreingol'd. Metod.anal.khim.reak.i prepar. no.4:131-133 '62.

FLUORESCENCE

Detection of Rickettsia prowazeki by the method of fluorescent antibodies in the organism of experimental animals and insects. N.M.Balaeva, E.N.Levina. Izv.AN SSSR.Ser.biol. no.3:433-436 My-Je '64.

Determination of magnesium in water and acids with bissalicylidene-ethylenediamine. G.V.Serebriakova, E.A.Bozhevol'nov, G.S.Godlina. Metod.anal.khim.reak.i prepar. no.4:92-95 '62.

Determination of selenium in semiconducting materials by the fluorescence method. V.M.Vladimirova, G.I.Kuchmistaia. Zav.lab. 30 no.5:528-529 '64.

Fluorescent serological method in the diagnosis of syphilis. N.M.Ovchinnikov and others. Lab.delo no.5:302-306 '64.

Magnesium 8-hydroxyquinolinate. E.IA.IArovenko, T.N.Rychkova. Metod.poluch.khim.reak.i prepar. no.6:54-55 '62.

Nature of the fluorescence of the growing cone of winter barley [with summaries in English, German, and French]. TS.M.Khashes. Vest.sel'khoz.nauki 8 no.12:126-128 D '63.

Scattering of light, fluorescence, and transient phenomena. P.P.Shorygin, L.L.Krushinskii. Dokl.AN SSSR 154 no.3:571-574 Ja '64.

Stimulating effect of some compounds on the quenching of chlorophyll fluorescence by nitro compounds. I.N.Cherniuk, I.I.Dilung. Dokl.AN SSSR 156 no.1:149-151 My '64.

FLUORESCENCE MICROSCOPY
(see also subdivision under Great Britain)

Accuracy in determining protein in selected milk samples by the luminescence method. S.V.Konev, T.I.Lyskova, P.N.Saloshenko. Dokl.AN BSSR 8 no.1:51-52 Ja '64.

Data on fluorescent examination of blood cells and bone marrow in healthy persons. G.P.Molotilova. Lab.delo no.5:259-263 '64.

Differentiation of cellular elements in cerebrospinal fluid using fluorescence microscopy. T.IA.Liarskaia. Lab.delo no.3:137-138 '64.

Fluorescence microscopic analysis of the provisional tissues of Coenurus. E.D.Logachev, V.I.Bondareva. Paraz.sel'khoz.zhiv.Kazakh. 2:11-14 '63.

Intrinsic ultraviolet fluorescence of mitochondria. N.A.Chernogriadskaia and others. Dokl.AN SSSR 156 no.1: 174-176 My '64.

Methodology of detecting erythrocytes in fluorescent cytological studies. B.IA.Kovnator. Lab.delo no.5: 263-265 '64.

Origin of the "shining circle" phenomenon observed in using luminescent serums. IU.N.Zubzhitskii. Dokl.AN SSSR 155 no.4:927-929 Ap '64.

FLUORESCENCE MICROSCOPY [illegible]

[illegible]

FLUORESCENT LAMPS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FLY ASH

[illegible]

FLYWHEELS

[illegible]

FOAMING

[illegible]

FOG

[illegible]

[illegible]

FOLDS (GEOLOGY) see subdivision under [illegible] Province, [illegible] Valley, Soviet Central Asia, [illegible]

FOLK ART—EXHIBITIONS see subdivision under [illegible]

FOLK DANCING, YAKUT

[illegible], M. IA. [Four Yakut dances] [illegible] Iakutsk, [illegible] izd-vo, 1963. 46 p.

[MICROFILM]

FOLK LITERATURE, CHINESE

Relationship between the "[illegible]" and "Huapen" [illegible] A. N. Zhelokhovtsev. Nar. Az. i Afr. no.3: 97 [illegible] '64.

Researches on the "precious scrolls" by Sawada Mizuho. [illegible] Nar. Az. i Afr. no.4:201 [illegible]

FOLK MUSIC, RUMANIAN

"Anthology of Rumanian folk music," P. Alekseev. [illegible]

FOLK SONGS—HISTORY AND CRITICISM

[illegible] song about Ivan the Terrible [illegible] Vest. Mosk. un. [illegible] Jl-Ag '64.

[illegible]

FOLKLORE, UKRAINIAN

[Songs of the great feat] Pisni velykoho podvyhu. Kyïv, Vyd-vo "Naukova dumka," 1964. 205 p.

FOLKLORE

[illegible]

FOLKLORE, BURYAT

[illegible]

FOLKLORE, MOLDAVIAN

[illegible] [Legends and Moldavian folklore] [illegible] Kishinev, Kartia Moldoveniaske, 1963. [illegible] p.

FOLKLORE [illegible]

[illegible]

[MICROFILM]

FOOD

(see also subdivision under [illegible] region, [illegible] Province; Tajikistan; Tomsk Province)

[illegible]

FOOD—ANALYSIS

(see also subdivision under Saratov Province)

[illegible], M. [illegible], and others. [Manual on [illegible]] [illegible] Moscow, [illegible] 1964. [illegible] p.

[illegible], A. I. [Methods for the examination of food products] [illegible] Kiev, [illegible] 1963. 263 p.

FOOD—[illegible]

[illegible]

FOOD, CANNED—STERILIZATION

[illegible]

FOOD CONTAMINATION

[illegible]

[illegible]

FOOD INDUSTRY

(see also subdivision under [illegible] Province)

Advantages of the combination of enterprises. [illegible] Ap '64.

Information. [illegible] '64.

Polymer wrapping materials. [illegible] '64.

FOOD INDUSTRY—CONGRESSES

Third Congress of the Scientific and Technical Society of the Food Industry. [illegible] '64.

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

[Equipment of the food industry] Ref. sbor.: Obor. pishch. prom. nos.5-6 My-Je '64.

FOOD INDUSTRY—MANAGEMENT

Increase the output of food products. [illegible] Inform. no. [illegible] '64.

FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Volga-Vyatka Economic region

FOOD MACHINERY

Electroplating of food machinery parts. IA. V. [illegible] Khleb. i kond. prom. 8 no.3:[illegible] Mr '64.

Mechanization of the thermal processing of sausage. V. [illegible] [illegible] '64.

Protective coatings for nonferrous metals and alloys used in the food industry equipment. A. V. [illegible], N. N. [illegible], G. Z. [illegible] Izv. vys. ucheb. zav.; pishch. tekh. no.2:[illegible] '64.

Research in the field of the utilization of capron in the manufacture of food machinery. V. N. Kostel'man. Izv. vys. ucheb. zav.; pishch. tekh. no.2:[illegible] '64.

Utilization of plastic coated metals in the manufacture of food machinery. N. IA. Kostel'man, V. N. Kostel'man. Izv. vys. ucheb. zav.; pishch. tekh. no.2:[illegible] '64.

FOOD POISONING

(see also subdivision under Samarkand Province)

Characteristics of food poisoning according to data of the diagnostic intestinal department for adults. [illegible] [illegible] '63.

Food poisoning caused by [illegible] bacillus. [illegible] and others. [illegible] no.[illegible] '63.

Food poisoning caused by pâte. [illegible] Vop. pit. 23 no.[illegible] '64.

FOOD RESEARCH

Physiological and hygienic evaluation of a food ration developed by the Central Scientific Research Institute of the Canned Food and Vegetable Industry. I. M. [illegible] Vop. pit. 23 no.3:[illegible] '64.

FOOD SUPPLY see subdivision under East Pakistan

FOOT—DISEASES

[illegible]

FORAGE PLANTS

(see also subdivision under Kazakhstan; Komi A.S.S.R.)

[illegible]

[illegible], N. IA. [Outlook for the introduction of some forage plants into cultivation] [illegible] [illegible], 1963. [illegible] p.

(LOAN)

FORAMINIFERA, FOSSIL

(see also subdivision under Mangyshlak Peninsula)

[illegible]

FORCE AND ENERGY

[illegible]

[illegible]

FOREARM—DISEASES

[illegible]

FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. [illegible] Mr '64.

Brief information on foreign exchange and banks abroad. [illegible] Ag '64.

FOREST ECOLOGY

(see also subdivision under Altai Territory; Azerbaijan; Polesye; White Russia)

[Effect of soil conditions on the growth of woody plants] Vliianie pochvennykh uslovii na rost drevesnykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 113 p.

Experimental study of the mechanism of the succession of [illegible] in the taiga zone. [illegible] [illegible] My '64.

[illegible] formation of chlorophyll in [illegible] plants growing in [illegible] [illegible] Ag '64.

FOREST FIRES see subdivision under Podkamennaya Tunguska Valley

FOREST FIRES—PREVENTION AND CONTROL
(see also subdivision under Siberia)

[illegible] V.M.Pikalkin, E.P.Nikol'skii. [illegible] 17 no.4:75-76 Ap '64.

[illegible] with motorless lifts. N.M.Miasoe[illegible] 17 no.4:71-74 Ap '64.

[illegible] as fire prevention means. A.P.[illegible] Les.khoz. 17 no.4:54-57 Ap '64.

[illegible] of forest fire prevention in the [illegible] E.F.[illegible] Les.khoz. 17 no.4: [illegible] Ap '64.

[illegible] in the control of forest fires. Les. khoz. 17 no.4:[illegible] Ap '64.

[illegible] sprayer. I.I.Shevetsov. Les. khoz. 17 no.4:74-75 Ap '64.

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Instructions for the use of airplanes in forest fire protection] Instruktsii po aviatsionnoi okhrane lesov ot pozharov. Moskva, Goslesbumizdat, 1963. 213 p.

Scientific research work of the Leningrad Scientific Research Institute of Forestry and Lumbering on forest fires. E.I.[illegible] Les.khoz. 17 no.4:48-51 Ap '64.

State of forest fire prevention and ways for its improvement. I.S.Melekhov. Les.khoz. 17 no.4:2-5 Ap '64.

FOREST INSECTS
(see also subdivision under Siberia, Western)

[illegible] the large-scale multiplication of harmful insects in 1964. I.D.Avramenko, V.S.Zenchenko. Les.khoz. 17 no.4:55-61 Ap '64.

FOREST INSECTS—CONGRESSES

In the Department of Forest Entomology of the Fifth Conference of the All-Union Entomological Society. A.I.Vorontsov. Zashch.rast.ot vred.i bol. 9 no.4: [illegible]-57 '64.

FOREST MANAGEMENT
(see also subdivision under Kaluga Province)

Nauchno-tekhnicheskoe obshchestvo lesnoi promyshlennosti i lesnogo khoziaistva. TSentral'noe pravlenie. [Work practices and organizational tasks of the Scientific Technological Society in the acceleration of technological progress] Opyt raboty i zadachi organizatsii NTO v uskorenii tekhnicheskogo progressa. Moskva, 1963. 44 p.

[MICROFILM]

[Organization and planning of forest management in forest working circles and logging camps] Organizatsiia i planirovanie lesokhoziaistvennoi deiatel'nosti leskhozov i lespromkhozov. [By] V.L.Dzhikovich i dr. Moskva, Goslesbumizdat, 1963. 282 p.
(MiU)

Svalov, N.N. [Principles of organizing forest management and exploitation in heavily wooded regions] Osnovy organizatsii lesnogo khoziaistva i lesopol'zovaniia v mnogolesnykh raionakh. Moskva, Goslesbumizdat, 1963. 208 p.
(DNAL)

FOREST NURSERIES

Organic-mineral supplements for pine seedlings in nurseries. V.E.Koslchenko. Les.khoz. 17 no.4:79-80 Ap '64.

FOREST PRODUCTS

Krasnoyarsk. Sibirskii tekhnologicheskii institut. [Collection of materials of conferences on the results of research carried out during 1962] Sbornik materialov konferentsii po itogam nauchno-issledovatel'skikh rabot za 1962 god. Krasnoiarsk.
Nos. 1-3. 1963.

FOREST REPRODUCTION
(see also subdivision under Andreyevo region, Vladimir Province; Leningrad; Vologda Province)

Effect of various disinfectants on the force of emergence, and large-scale and field germination of the Siberian pea tree seeds. A.A.Prisiazhniuk. Khim.v sel'.khoz. 2 no.2:31-33 F '64.

FOREST ROADS

Calculating the thermal effect on snow cover. L.N. Plaksa. Trudy TSNIIME no.44:19-29 '63.

Development of the construction methods of winter logging roads. M.I.Kishinskii. Trudy TSNIIME no.44:12-18 '63.

Distribution of strains in the foundation under pressure under the effect of a temporary load. B.N.Smirnov. Trudy TSNIIME no.44:3-11 '63.

Effect of the state of the track paving of logging roads on the strain in the couplings of a truck train. G.P.Mal'tsev. Trudy TSNIIME no.44:37-41 '63.

Laboratory studies of the vibration packing of snow. V.M. Kovalevskii. Trudy TSNIIME no.44:30-36 '63.

FOREST SOILS
(see also subdivision under Armenia)

Composition of lysimetric waters under a pinewood. N.P.Sukhanova. Nauch.dokl.vys.shkoly; biol.nauki no.2:181-186 '64.

FORESTRY ENGINEERING

Krasnoyarsk. Sibirskii tekhnologicheskii institut. [Collection of materials of conferences on the results of research carried out during 1962] Sbornik materialov konferentsii po itogam nauchno-issledovatel'skikh rabot za 1962 god. Krasnoiarsk.
Nos. 1-3. 1963.

FORESTRY RESEARCH—BIBLIOGRAPHY see Bibliography—Forestry research

FORESTS AND FORESTRY
(see also subdivision under Finland; Kamchatka Valley; Khachmas region, Azerbaijan; Leningrad region; Podkamennaya Tunguska Valley; Soviet Far East; Yakutia)

Brief news. V.V.Kashin, N.V.Eremin, V.I.Isaikin. Les.khoz. 17 no.4:95-96 Ap '64.

[Forestry and forest management] Ref.zhur.: Lesoved. i lesovod. no.6 Je '64.

Letters to the editor. A.IA.Utkin. Les.khoz. 17 no.4: 81-83 Ap '64.

A needed booklet on forest resources of the U.S.S.R. and the world. G.V.Krylov. Okhr.prir.Sib.i Dal'.Vost. no.1:249-251 '62.

Zaborovskii, E.P., S.S.Lisin, and S.S.Sobolev. [Forest plantations and forest meliorations] Lesnye kul'tury i lesnye melioratsii. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 391 p.
(DNAL)

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—ECONOMIC ASPECTS

Economic method for the establishment of forest plantations. V.I.Shvetsov and others. Les.khoz. 17 no.4: 77-79 Ap '64.

FORESTS AND FORESTRY—TAXATION

Growth and marketability of dense spruce stands. F.P. Moiseenko. Bot.; issl.Bel.otd.VBO no.5:85-94 '63.

FORESTS AND FORESTRY—VALUATION

Growth and marketability of seeded oak plantations. F.P. Moiseenko. Les.khoz. 17 no.4:34-38 Ap '64.

Valuation indices of young growth. A.V.Vagin, O.A. Kharin. Les.khoz. 17 no.4:30-34 Ap '64.

FORGERY

Notaries have the important task of preventing the use of forged documents in their work. A.Levi. Sov.iust. 28 no.8:22-24 Ap '64.

FORGING

Determination of specific pressures during the pressing in of the master die. M.I.Prudnikov. Vest.mashinostr. 44 no.4:53-56 Ap '64.

Determining plasticity during the forging of ingots and blanks. V.I.Zalesskii, M.S.TSibanova, IU.I.Kozlov. Izv.vys.ucheb.zav.; chern.met. 7 no.5:90-93 '64.

Investigating temperature distribution in the mandrel during first piercing. F.N.Tavadze and others. Stal' 23 no.3:252-253 Mr '64.

Kasumzade, N.G. [Liquid metal drop forging of parts] Shtampovka detalei iz zhidkogo metalla. Baku, Azerneshr, 1964. 82 p.

Standard sections of foundries, forge and press shops work. V.M.Baranov, S.L.Perel'shtein. Biul.stroi. tekh. 21 no.2:37 F '64.

Tarnovskii, I.IA., and others. [Variational principles of mechanics in the theory of metalworking by pressure] Variatsionnye printsipy mekhaniki v teorii obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 62 p.

Tarnovskii, I.IA., ed. [Engineering methods for designing technological processes for the pressworking of metals] Inzhenernye metody rascheta tekhnologicheskikh protsessov obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 430 p.

FORGING MACHINERY—PARTS

Chekushin, M.V. [Manufacture of bimetal parts] Proizvodstvo bimetallicheskikh detalei. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 15 p.

[MICROFILM]

FORK LIFT TRUCKS

Clamps for reloading packaged piece goods without trays. L.P.Protasov. Mekh.i avtom.proizv. 18 no.4:53-55 Ap '64.

FORMALDEHYDE

Effect of catalyst mixing on the process of conversion of methanol to formaldehyde in a fluid bed. I.P.Mukhlenov, A.IA.Averbukh, A.I.Vitvitskii. Zhur.prikl.khim. 37 no.4:705-710 Ap '64.

Efficiency of the use of formaldehyde compounds for the conservation of fur and coat sheepskins during long storage of the raw materials. E.V.Gnevol and others. Trudy VNIIMP no.15:43-55 '63.

Method for the utilization of phenols and formaldehyde contained in the waste waters from the production of phenol-formaldehyde resins. I.A.Egorov, L.P.Pavlovskaia. Lakokras.mat.i ikh prim. no.1:[illegible] '64.

Thermal degradation of polyformaldehyde. A.B. Blumenfel'd, M.B.Neiman, B.M.Kovarskaia. Dokl. AN SSSR 154 no.3:631-633 Ja '64.

Use of formaldehyde compounds for the conservation of fur and garment sheepskins. E.V.Gnevol and others. Trudy VNIIMP no.15:24-43 '63.

FORTIFICATIONS, OLD see subdivision under Armenia; Lyapin Valley; Soviet Central Asia

FOSSIL BIRDS see Birds, Fossil

FOUNDATIONS

Building hydraulic structures by the method of preliminary wetting. A.A.Kirillov. Dokl.TSKhA no.[illegible] 451-456 '63.

Calculating the degree of sagging of the foundations on loess soils. N.N.Frolov. Dokl.TSKhA no.[illegible]-461 '63.

Designing foundations on foundation beds. IU.Dykhovichnyi, M.Shvekhman. Stroi.i arkhit.Mosk. 12 no.12:16-19 D '63.

Distribution of strains in the foundation under pressure under the effect of a temporary load. B.N.Smirnov. Trudy TSNIIME no.44:3-11 '63.

Effect of soil moisture on the settling characteristics of foundation beds of buildings and structures. V.P.Anan'ev, V.A.Zaramdzhi. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:148-152 '63.

Effect of the moisture content of soils on their bearing capacity. V.Z.Liubimov. Dokl.TSKhA no.[illegible] '63.

Principles of designing the foundation beds and foundations for low buildings and structures in districts with deep seasonal freezing and extensive permanently frozen ground. N.IA.Fedorova. Sbor.nauch.rab.[illegible] no.3:87-93 '62.

Russia (1917- R.S.F.S.R.) Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov. Upravlenie kapital'nogo stroitel'stva. [Preparing and carrying out the waterproofing of foundations and roofs using cold bituminous mastics] Prigotovlenie i ustroistvo gidroizoliatsii fundamentov i krovli iz kholodnykh bitumnykh mastik. Moskva, 1962. 14 p.

[MICROFILM]

Study of the deformations in sand cushions. V.[illegible] Golubkov, IU.F.Tugaenko. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:40-47 '63.

FOUNDING
(see also subdivision under Tajikistan)

Chromium-molybdenum steel for molded casting. [illegible] Raimus. Sbor.nauch.trud.LISI no.22:35-44 [illegible]

Innovations in chill casting. A.I.Veinik. Mashinostroenie no.2:33-36 Mr-Ap '64.

Role of technological factors in the formation of strength of thin-walled castings. G.F.Balandin and others. Izv.vys.ucheb.zav.; mashinostr. no.[illegible] 173 '64.

Sankov, I.I. [Mechanizing and automating the abrasive finishing of castings; practices of the Gorky Automobile Plant] Mekhanizatsiia i avtomatizatsiia abrazivnoi obrabotki otlivok; opyt Gor'kovskogo avtomobil'nogo zavoda. Moskva, Izd-vo "Mashinostroenie," 1964. 175 p.

Standardization of technological processes in casting. A.N.Sobolev. Mashinostroenie no.2:42-44 Mr-Ap '64.

Using inclined gamma-ray beam in determining the interface between liquid metal and slag. D.S.Gerchikov, O.M.Ignat'ev, M.V.Ilyk. Avtom.i prib. no.1:[illegible] Ja-Mr '64.

Using polymer materials for the reparation of defects in castings. L.IA.Chernov, A.Kh.Gendler. Mashinostroenie no.2:44-46 Mr-Ap '64.

Vsesoiuznaia nauchno-tekhnicheskaia konferentsiia po liteinomu proizvodstvu. 16th. [Main objectives in the expansion of foundry practices and the improvement of their specialization; transactions] Osnovnye zadachi razvitiia liteinogo proizvodstva i uluchsheniia ego spetsializatsii; trudy. Moskva, Mashgiz, 1963. 250 p.

FOUNDRIES see subdivision under Odessa region

FOUNDRIES—DESIGN AND CONSTRUCTION

Standard sections of foundries, forge and press shops work. V.M.Baranov, S.L.Perel'shtein. Biul.stroi. tekh. 21 no.2:37 F '64.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Automatic cast-iron weight control unit in the charging boxes of a casting machine. D.A.Skrynchenko, K.A. Shumilov, N.A.Novikov. Avtom.i prib. no.1:15-16 Ja-Mr '64.

FOUNDRIES—EQUIPMENT AND SUPPLIES (Continued)

Increasing the resistance of steel-pouring ladle lining. R. P. Markarian, B. M. Galsin. Mashinostroenie no. 2: 37 Mr-Ap '64.

Mechanization and automation of chill casting processes. V. S. Luk'ianenko, B. M. Lebedev. Mashinostroenie no. 2:10-13 Mr-Ap '64.

Mechanization of fettling and conveying in foundry shops. L. I. Shtangel, V. E. Dumenko. Mashinostroenie no. 2: 13-14 Mr-Ap '64.

Mechanization of operations in stockyards. G. L. Frumin. Mashinostroenie no. 2:14-16 Mr-Ap '64.

Standardization of casting equipment. N. S. Kolladich. Standartizatsiia 28 no.3:41 Mr '64.

FOURIER SERIES

Conjugate functions of two variables and double conjugate trigonometric series. L. V. Zhizhiashvili. Dokl. AN SSSR 155 no.3:521-523 Mr '64.

Generalization of the localization principle. IU. I. Liubich. Uch. zap. KHGU 115:127-129 '61.

Linear methods of summing double Fourier series and best approximations of periodic functions of two variables [with summary in English]. V. B. Hryshyn. Dop. AN URSR no. 2:151-155 '64.

FOURIER TRANSFORMATIONS

Generalization of a Fourier transformation in a space of vector functions. V. M. Kabanov. Uch. zap. KHGU 115: 67-90 '61.

FOXES

Defender. N. Shabarin. Sov. voin 44 no. 22:44 N '62.

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTURES

Abstracts of articles received by the editors. Ortop., travm. i protez. 24 no. 10:74-75 O '63.

FRAMYCETIN

Study of some physiological peculiarities of Act. fradiae 129. O. Z. Grabovskaia, M. M. Levitov. Antibiotiki 8 no. 8:705-712 Ag '63.

FRANCE—ANTIBIOTICS

Production of antibiotics in France. I. D. Boiko, L. A. Popova. Med. prom. 17 no. 9:58-62 S '63.

FRANCE—COMMUNIST PARTY

Expansion of the democratic movement in France. V. Kolomiitsev. Mir. ekon. i mezhdunar. otn. no. 4:103-105 '64.

FRANCE—CONTRACTS

Basic trends in the contemporary French civil and commercial law of the Fifth Republic. V. N. Liubimova. Uch. zap. IMO no. 14:186-204 '63.

FRANCE—CORPORATIONS

Basic trends in the contemporary French civil and commercial law of the Fifth Republic. V. N. Liubimova. Uch. zap. IMO no. 14:186-204 '63.

FRANCE—ELECTRIC RAILROADS—CURRENT SUPPLY

Mobile electric substation with silicon rectifiers. L. A. Visloukh. Elek. i topl. tiaga 8 no. 1:38 Ja '64.

FRANCE—ELECTRIC SUBSTATIONS

Mobile electric substation with silicon rectifiers. L. A. Visloukh. Elek. i topl. tiaga 8 no. 1:38 Ja '64.

FRANCE—FOREIGN ECONOMIC RELATIONS—ALGERIA

Socioeconomic consequences of the "Constantine Plan" [with summary in English]. M. A. Sliusarianskii. Vest. LGU 19 no. 5:157-160 '64.

FRANCE—FOREIGN RELATIONS—AFRICA

Colonialism behind the mask of "treaty relations." V. P. Verin. Uch. zap. IMO no. 14:67-78 '63.

FRANCE—FOREIGN RELATIONS—MEXICO

Washington's anxieties. O. Afanas'eva. Mezhdunar. zhizn' 11 no. 5:113-114 My '64.

FRANCE—FOREIGN RELATIONS—RUSSIA

"History of the origin of the First World War; Franco-Russian relations from 1912 to 1914" by V. I. Bovykin. Reviewed by I. S. Galkin. Vop. ist. 39 no. 3:130-138 Mr '64.

FRANCE—HISTORY

New materials on postwar France. M. A. Krutogolov. Vop. ist. 39 no. 5:140-142 My '64.

Serebriakova, G. I. [Women of the period of the French Revolution] Zhenshchiny epokhi frantsuzskoi revoliutsii. Moskva, Sovetskii pisatel', 1964. 276 p.

FRANCE—LABOR AND LABORING CLASSES

New times. Andre Wurmser. Sov. profsoiuzy 20 no. 8: 36-37 Ap '64.

FRANCE—MOTION-PICTURE PLAYS

"The condemned fled." I. Vaisfel'd. Isk. kino 34 no. 1: 134-135 '64.

Yesterday and today of the "new wave." A. Braginskii. Isk. kino 34 no. 2:130-134 '64.

FRANCE—NEWSPAPERS

"L'Humanite" celebrates its 60th anniversary. Raymond Lavigne. Sov. profsoiuzy 20 no. 7:38-39 Ap '64.

FRANCE—POLITICS AND GOVERNMENT

Expansion of the democratic movement in France. V. Kolomiitsev. Mir. ekon. i mezhdunar. otn. no. 4:103-105 '64.

New times. Andre Wurmser. Sov. profsoiuzy 20 no. 8: 36-37 Ap '64.

The theory of legitimacy used to ideologically justify the political arbitrariness of the financial oligarchy in contemporary France. R. F. Matveev. Uch. zap. IMO no. 14:97-127 '63.

FRANCE—PRESIDENTS

The theory of legitimacy used to ideologically justify the political arbitrariness of the financial oligarchy in contemporary France. R. F. Matveev. Uch. zap. IMO no. 14:97-127 '63.

FRANCE—PRESSURE GROUPS

"Pressure groups in France" and "New research on the pressure groups in France" by J. Meynaud. Reviewed by V. F. Kolomiitsev. Vop. ist. 39 no. 5:180-183 My '64.

FRANCE—STRIKES AND LOCKOUTS

History of the idea of the general strike. R. M. Inglezi. Vop. ist. 39 no. 3:212-213 Mr '64.

Labor's spring offensive; Paris letter. IU. Shevchenko. Nov. vrem. 21 no. 19:19 My '64.

FRANZ JOSEF LAND—COAST CHANGES

Morphology and evolution of glacial coasts as revealed by a study on Franz Josef Land. O. N. Vinogradov, A. N. Krenke. Dokl. AN SSSR 155 no. 4:795-798 Ap '64.

FRANZ JOSEF LAND—ICE

Morphology and evolution of glacial coasts as revealed by a study on Franz Josef Land. O. N. Vinogradov, A. N. Krenke. Dokl. AN SSSR 155 no. 4:795-798 Ap '64.

FREE WILL AND DETERMINISM

Free will and its role in the legal regulation of social relations. I. S. Samoshchenko. Sov. gos. i pravo no. 12: 34-44 D '63.

FREEZE-DRYING

Drying of poultry meat by sublimation. V. Ishukov. Mias. ind. SSSR 34 no. 6:6-8 '63.

Voskresenskii, N. A. [Fish freezing and drying by sublimation] Zamorazhivanie i sushka ryby metodom sublimatsii. Moskva, Rybnoe khoziaistvo, 1963. 256 p.

FREIGHT AND FREIGHTAGE
(see also subdivision under Soviet Central Asia)

Efficiency of shifting short-range freight from railroad to automotive transportation. I. Bratchenko. Avt. transp. 42 no. 5:1-3 My '64.

Insufficient use of the loading capacity of dry cargo freighters. S. Portniabin. Mor. flot 23 no. 12:10-11 D '63.

FRENCH NEWSPAPERS

The voice of the working France. A. F. Sherstiuk. Vop. ist. KPSS 8 no. 4:76-81 Ap '64.

FREONS

Kaplan, L. G., and IU. M. Petrukhin. [Repair of small freon refrigerating machines] Remont malykh freonovykh kholodil'nykh mashin. Moskva, Ekonomika, 1964. 103 p. (V pomoshch' kholodil'shchiku)

FREQUENCY CHANGERS

Expansion of characteristics as a method for the analysis of steady-state processes in a nonlinear converter. IU. E. Batranin. Izv. vys. ucheb. zav.; energ. 7 no. 1: 27-35 Ja '64.

A transistor frequency converter. V. L. Voronel'. Radiotekhnika 19 no. 4:57-62 Ap '64.

FREQUENCY MEASUREMENTS

Choice of optimum parameters of resonant frequency meters. N. V. Morozovskaia. Trudy MIIT no. 171:68-78 '63.

FREQUENCY REGULATION

Phase frequency trim system with a dividing condenser in the feedback loop. F. A. Pevzner. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:103-105 Ja-F '64.

Use of radio techniques in frequency and power regulating systems. L. V. Fedotov. Energ. i elektrotekh. prom. no. 1:45-47 Ja-Mr '64.

FRESHWATER BIOLOGY

Methods for increasing the productivity of the biosphere as exemplified by the populations of commercial aquatic organisms [with summary in English]. G. V. Nikol'skii. Zool. zhur. 43 no. 3:298-408 '64.

FRESHWATER FAUNA—FOOD

Experimental study of the feeding habits of animals which inhabit filamentous green algae in stagnant bodies of water. G. IA. Krenke. Nauch. dokl. vys. shkoly; biol. nauki no. 2:19-23 '64.

FRESHWATER FLORA see subdivision under Dnieper Valley; Vashutkiny Lakes

FRETWORK

Let's do fretwork. N. Litvinova. Sem'ia i shkola 19 no. 1:47-48 Ja '64.

FRICTION

Carrying capacity of a lubricant layer. S. B. Ainbinder, A. M. Grinshtein. Dokl. AN SSSR 155 no. 2:320-322 Mr '64.

Dynamics and stability of the mechanisms on a vibrating foundation in the case of combined friction. Report No. 1: Simplified equation of dynamics and the periodic movement. K. Ragulskis. Trudy AN Lit. SSR. Ser. B no. 1:131-138 '63.

Semenov, M. V. [Theory of mechanisms and machines; friction in mechanisms. Written lectures] Teoriia mekhanizmov i mashin; trenie v mekhanizmakh. Pis'mennye lektsii. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1963. 77 p.

Stability of the motion of rotors of hydraulic machines on short supports of liquid friction. I. B. Karintsev. Dop. AN URSR no. 3:327-331 '64.

FRICTION—MEASUREMENT

Device for the determination of the angle of friction. V. D. Kliuchnikov, V. A. Briukhnin. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:45-47 '62.

FRICTION MATERIALS

Machine for testing friction materials for bearings. F. P. Snegovskii, A. V. Polidorov. Zav. lab. 30 no. 5: 614-616 '64.

FRICTIONAL RESISTANCE (HYDRODYNAMICS)

Theoretical calculation of the heat transfer and frictional resistance in the laminar flow in tubes of an incompressible fluid with variable physical properties. B. S. Petukhov, V. N. Popov. Teplofiz. vys. temp. 1 no. 2: 226-237 S-O '63.

FRIT FLIES see subdivision under Orel Province

FRONTAL SINUS—DISEASES

Pneumosinus of the frontal sinuses. A. P. Kuts. Zhur. ush., nos. i gorl. bol. 23 no. 6:75-76 N-D '63.

FROST PROTECTION

Calculating some parameters for covering framework. Zh. A. Agadzhanian. Trudy Arm. NIIMESKH no. 1: 117-127 '63.

Theoretically based parameters of grapevine covering machines for vineyards formed according to the system of horizontal plane cordon. G. R. Piloian. Trudy Arm. NIIMESKH no. 1:147-158 '63.

Using polymers for protecting fruit trees in wintertime. I. N. Kotovich. Khim. v sel'. khoz. 2 no. 3:50-52 Mr '64.

FROZEN GROUND
(see also subdivision under Khibiny Mountains; Yakutia)

Calculating stability and creep of frozen ground barriers. S. S. Vialov, V. A. Obrucheva. Shakht. stroi. 7 no. 12:6-9 D '63.

Characteristics of the fracture of frozen ground with a percussive cutting tool. M. A. Gurin. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:104-111 '64.

Deformations of buildings on heaving soils undergoing deep seasonal freezing. N. IA. Fedorova. Prom. stroi. 41 no. 12:42-43 D '63.

Energy required for and efficiency in the disintegration of frozen ground by a ramming device with a vibratory hammer. M. A. Gurin. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:111-116 '63.

Formation of glacial horizons in epigenetic frozen strata. T. N. Zhestkova and others. Dokl. AN SSSR 156 no. 3: 558-560 '64.

Freezing system of boring deep boreholes. A. G. Butygin. Trudy TSNIIPodzemshakhtstroia no. 2:61-71 '63.

Methods for the combined logging of dry holes drilled with bottom clearance by compressed air under conditions of permafrost. G. N. Zuev. Sbor. luch. rats. predl. pt. 2:33-35 '63.

Principles of designing the foundation beds and foundations for low buildings and structures in districts with deep seasonal freezing and extensive permanently frozen ground. N. IA. Fedorova. Sbor. nauch. rab. DVNIIS no. 3:87-93 '62.

Seasonal changes in the specific resistance of rocks in underground mine workings in permafrost ground. I. I. Borodin. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:155-159 '63.

FROZEN GROUND (Continued)

Using electronic machines for calculating the average temperature of frozen rock barriers. E. M. Stepanova. Nauch. soob. IGD 22:16-21 '63.

FROZEN GROUND—ELECTRIC PROPERTIES

Design of electric current grounding devices for permafrost soils. N. N. Maksimenko. Izv. vys. ucheb. zav.; energ. 7 no. 4:43-48 Ap '64.

FRUIT see subdivision under Tajikistan

FRUIT—CHEMICAL COMPOSITION

Chemical composition of the fruit of some peach (Persica vulgaris Mill.) and apricot (Armeniaca vulgaris L.) varieties cultivated in Georgia [in Georgian with summary in Russian]. N. N. Bregadze, P. I. Kapanadze, D. Chakvetadze. Vest. Tbil. bot. sada no. 68:75-79 '62.

FRUIT—DISEASES AND PESTS
(see also subdivision under Moscow Province)

Poisonous chemicals for collective-farm orchards and the farmers' personal plots. A. B. Fratkin. Zashch. rast. ot vred. i bol. 9 no. 4:38 '64.

FRUIT—FERTILIZERS AND MANURES see subdivision under Crimea

FRUIT—PRESERVATION

Vitamin C activity in candied currants and jams from fruits and berries rich in vitamin C. I. L. Korotkov. Vop. pit. 21 no. 6:79-80 N-D '62.

FRUIT—THERMAL PROPERTIES

Heat capacity of fruit and vegetables. V. Z. Zhadan, A. A. Movchan. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:121 '64.

FRUIT—VARIETIES

Some principal problems in the support and degeneration of new fruit, berry, and grape varieties. Istvan Tamassi. Agrobiologiia no. 5:763-773 S-O '63.

FRUIT CULTURE
(see also subdivision under Georgia; Omsk)

Early spring work in orchards and strawberry plantations. E. M. Drozdovskii. Zashch. rast. ot vred. i bol. 9 no. 4:35-36 '64.

Hand electric machine for tilling the circles around the tree trunks [with summary in English]. P. N. Listov, N. F. Miakishev. Izv. TSKHA no. 1:149-160 '60.

FRUIT CULTURE—RESEARCH

Research on fruit and berry crops in 1959-1960 [with summary in English]. N. M. Pavlova. Trudy po prikl. bot., gen. i sel. 33 no. 2:196-206 '63.

FRUIT JUICES see subdivision under Armenia

FRUIT TREES

Using polymers for protecting fruit trees in wintertime. I. N. Kotovich. Khim. v sel'. khoz. 2 no. 3:50-52 Mr '64.

FRUNZE—BAKERIES

IUdenich, V. P., and L. Z. Tokarchuk. [A deserved fame; achievements of the N. I. Popkova communist labor brigade in the Frunze Bread Combine] Zasluzhennaia slava; dostizheniia brigady kommunisticheskogo truda N. I. Popovoi na Frunzenskom khlebkombinate. [Frunze] Sovet narodnogo khoziaistva Kirgizskoi SSR, [n. d.] 10 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

FUEL

Cascade trough-type fuel hoses. V. V. Pomerantsev, G. K. Ekimov. Energomashinostroenie 9 no. 3:23-25 Mr '63.

Determining the tare present according to All-Union State Standards 8489-58. V. I. Sharapov, A. M. Fomina. Nefteper. i neftekhim. no. 3:16-18 '64.

The fuel balance today and tomorrow. IA. Gamlitskii. Kommunist 41 no. 8:125-126 My '64.

Selecting parameters for the monitoring and controlling the quality of petroleum products. M. I. Shpunt. Nefteper. i neftekhim. no. 3:38-40 '64.

Tube stills with a fluidized bed of powder fuel. V. F. Gorlov, A. I. Skoblo. Nefteper. i neftekhim. no. 11:42-46 '63.

FUEL—ADDITIVES

Improving the production technology of all-purpose addition agents. A. L. Chvertkin, L. V. Luppov. Nefteper. i neftekhim. no. 3:11-16 '64.

FUEL—ANALYSIS

Analyzing the microcontaminants and residues in middle distillate fuels. IA. B. Chertkov, N. I. Marinchenko, V. N. Zrelov. Nefteper. i neftekhim. no. 11:16-18 '63.

FUEL—STANDARDS

Standardization of lubricants. I. O. Khrapov. Transp. i khran. nefti i nefteprod. no. 1:35-37 '64.

FUEL PUMPS

Modernize fueling stations in harbors. P. Derevianko, A. Mikheev. Mor. flot 23 no. 12:16-17 D '63.

FUEL PUMPS—MAINTENANCE AND REPAIR

Organizing repair operations for fuel distributing columns. M. A. Vorob'ev. Transp. i khran. nefti i nefteprod. no. 2:33-36 '64.

FUEL RESEARCH

Filtration of a paraoxydiphenylamine solution in aromatic solvents. I. V. Rozhkov, K. V. Rybakov. Nefteper. i neftekhim. no. 4:21-24 '64.

FUMIGATION

Fumigation of nursery stock. V. G. Zaeta. Zashch. rast. ot vred. i bol. 9 no. 4:46-47 '64.

FUNCTIONAL ANALYSIS

C-Continuity and C-differentiability of functionals. E. V. Maikov. Dokl. AN SSSR 155 no. 2:266-269 Mr '64.

Criterion of an element of best approximation. A. L. Garkavi. Sib. mat. zhur. 5 no. 2:472-476 Mr-Ap '64.

Formulation of certain inverse problems. G. I. Marchuk. Dokl. AN SSSR 156 no. 3:503-506 '64.

Impossibility of certain inequalities between functional norms. K. K. Golovkin. Trudy Mat. inst. 70:5-25 '64.

Linear problem of control in Banach space. Z. I. Khalilov. Dokl. AN SSSR 155 no. 4:767-770 Ap '64.

Potential type operators in the case of sets with abstract measures. E. I. Pustyl'nik. Dokl. AN SSSR 156 no. 3:519-521 '64.

Solution of nonlinear equations by the iteration method. M. N. IAkovlev. Dokl. AN SSSR 156 no. 3:522-524 '64.

Some limit theorems for additive functionals of a sequence of sums of independent random variables [with summary in English]. N. P. Slobodeniuk. Ukr. mat. zhur. 16 no. 1:41-60 '64.

FUNCTIONS

Approximation of functions in arbitrary norms. K. K. Golovkin. Trudy Mat. inst. 70:26-37 '64.

Certain classes of quaternion monogenic functions. V. S. Gusev. Mat. sbor. 63 no. 2:321-326 F '64.

A class of functions, equivalent in the region to [illegible] T. G. Ezrokhi. Izv. vys. ucheb. zav.; mat. no. 1:166-172 '64.

Generalization of the localization principle. IU. I. Liubich. Uch. zap. KHGU 115:127-129 '61.

Imbedding theorems for fractional spaces. K. K. Golovkin. Trudy Mat. inst. 70:38-46 '64.

Motor operations in curvilinear coordinates. P. S. Osypov. Dop. AN URSR no. 3:332-337 '64.

On certain inversion formulas. N. I. Akhiezer. Uch. zap. KHGU 115:91-95 '61.

Smoothness of certain random functions. N. S. Landkof. Uch. zap. KHGU 115:133-140 '61.

Structure of measurable functions devoid of an asymptotic derivative. S. G. Kozlovtsev. Mat. sbor. 63 no. 2:284-300 F '64.

Use of orthogonal polynomials in studying certain boundary properties of functions. IA. L. Geronimus. Uch. zap. KHGU 115:97-112 '61.

Use of the method of variation of the parameter in calculating the exponential functions of a real matrix [with summary in English]. D. F. Davydenko. Dop. AN URSR no. 2:158-163 '64.

FUNCTIONS, ANALYTIC

Analytic functions in a noncommutative operator base. L. N. Ivankin. Sib. mat. zhur. 5 no. 2:241-248 Mr-Ap '64.

Conditions for uniform convergence and for the convergence of boundary values of analytic and meromorphic functions with uniformly bounded characteristics. G. TS. Tumarkin. Sib. mat. zhur. 5 no. 2:387-417 Mr-Ap '64.

A representation of generalized analytic automorphic functions. V. I. Pokazeev. Dokl. AN SSSR 155 no. 3:528-531 Mr '64.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CONTINUOUS

Approximate properties of finite-defect subspaces in a space of continuous functions. A. L. Garkavi. Dokl. AN SSSR 155 no. 3:513-516 Mr '64.

Approximation of continuous functions by harmonic functions. A. A. Gonchar. Dokl. AN SSSR 154 no. 3:503-506 Ja '64.

FUNCTIONS, ENTIRE

Bases of exponential functions in L₂. B. IA. Levin. Uch. zap. KHGU 115:39-48 '61.

Certain types of interferences for integral functions of finite power. N. F. Martsun. Dokl. AN SSSR 155 no. 2:270-272 Mr '64.

Growth of functions defined by Dirichlet series and some other more general series. A. F. Leont'ev. Mat. sbor. 63 no. 2:227-237 F '64.

FUNCTIONS, MEROMORPHIC

Conditions for uniform convergence and for the convergence of boundary values of analytic and meromorphic functions with uniformly bounded characteristics. G. TS. Tumarkin. Sib. mat. zhur. 5 no. 2:387-417 Mr-Ap '64.

[illegible]

[illegible]

FUNCTIONS, PERIODIC

[illegible]

[illegible]

[illegible]

FUNCTIONS, WEIGHT see Weight functions

FUNCTIONS OF COMPLEX VARIABLES

[illegible]

Keldysh, M. V. [illegible]

FUNCTIONS OF REAL VARIABLES

[illegible]

FUNCTIONS OF SEVERAL VARIABLES

[illegible]

[illegible]

[illegible]

[illegible]

FUNGI see subdivision under Tien Shan

FUNGI, PATHOGENIC
(see also subdivision under Apsheron Peninsula)

[illegible]

Elinov, N. P. [Pathogenic yeastlike organisms] [illegible] 1964. [illegible] p.

FUNGI, PHYTOPATHOGENIC
(see also subdivision under Nagorno-Karabakh Autonomous Province; White Russia)

[illegible]

FUNGICIDES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FUNGOUS DISEASES see Mycosis

FUR
(see also subdivision under Kazan)

Development of the methodology for the processing of fur sheepskins preserved with [illegible] compounds. [illegible] and others. Trudy [illegible] no. 15:[illegible] '63.

FUR (Continued)

Lelesgarte, Z. IA. [Fur hides and skins] Pushno-mekhovoe syr'e. Moskva, Vysshaia shkola, 1964. 303 p.

FUR—DRESSING AND DYEING

[illegible]

FUR—THERMAL PROPERTIES

[illegible]

FURALDEHYDE

[illegible]

[illegible]

FURALDEHYDE—STORAGE

[illegible]

FURAN

[illegible]

[illegible]

[illegible]

[illegible] ACID

[illegible]

[illegible]

[illegible]

FURNACES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Kogan, L. D., and A. M. Bernshtein. [Operation of battery-type boilers] [illegible] Moskva, Izd-vo "Energiia," 1964. 360 p.

Matsi, G. A., and L. D. [illegible] [Automatic control of combustion in industrial furnaces operating on gas fuel] Avtomaticheskoe regulirovanie protsessa goreniia promyshlennykh pechei, rabotaiushchikh na gazovom toplive. Leningrad, Izd-vo "Nedra," 1964. 131 p. (Biblioteka mastera gazovogo khoziaistva)

Prevention of [illegible] of the [illegible] of salt [illegible]. S. P. Aksenov. Ogneupory 29 no.11:[illegible] '64.

Theoretical principles of the [illegible] calculation of radiant heat exchange in industrial furnaces. [illegible] Izv. vys. ucheb. zav.; chern. met. 7 no.1:[illegible] '64.

FURNACES—DESIGN AND CONSTRUCTION

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3, Sec. G, ch. 11. [Heating furnaces, smoke and ventilating ducts of apartment houses and public buildings; regulations for production and acceptance of work] Otopitel'nye pechi, dymovye i ventiliatsionnye kanaly zhilykh i obshchestvennykh zdanii; pravila proizvodstva i priemki rabot (SNiP III-G.11-62). 1963. 12 p.

FURNACES, HEATING

Bitumen heater. [illegible] Prom. Arm. 7 no.3:48 Mr '64.

[illegible] regulation of temperature in soaking pits. A. P. [illegible] Izv. vys. ucheb. zav.; chern. met. 7 no.5:176 '64.

FURNACES, HEATING—COOLING

Protection of water-cooled heating furnace elements by [illegible] chromium nickel coatings. P. I. Lozenko, V. I. [illegible] Stal' 24 no.3:257 Mr '64.

FURNITURE INDUSTRY

(see also subdivision under Armenia)

Morozov, N. A., and V. E. Voskresenskii. [Small-scale mechanization of the sawing shops of furniture enterprises] Malaia mekhanizatsiia v zagotovitel'nykh tsekhakh mebel'nykh predpriiatii. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 31 p. [MICROFILM]

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES

Ukraine. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. Institut tekhnicheskoi informatsii. [Mechanization of finishing operations; from materials of interfactory training schools] Mekhanizatsiia otdelochnykh rabot; po materialam mezhzavodskoi shkoly. Kiev, 1963. 61 p. [MICROFILM]

FURNITURE PAINTING

Ukraine. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. Institut tekhnicheskoi informatsii. [Mechanization of finishing operations; from materials of interfactory training schools] Mekhanizatsiia otdelochnykh rabot; po materialam mezhzavodskoi shkoly. Kiev, 1963. 61 p. [MICROFILM]

FUROIC ACID

[illegible]

FUSARIUM—[illegible]

[illegible]

FUSED SALTS

[illegible]

[illegible]

FUSED SALTS—ELECTRIC PROPERTIES

[illegible]

[illegible]

[illegible]

FUSED SALTS—THERMODYNAMICS

[illegible]

[illegible]

[illegible]

FUSES (BLASTING)

Using thermal ignition fuses in blasting. [illegible]

GABON—PETROLEUM GEOLOGY

Geology and prospects for finding gas and oil in Gabon. [illegible]

GADOLINIUM—ELECTRIC PROPERTIES

Electric resistance of film type and solid gadolinium specimens in the temperature range 2°-300°K. [illegible] L. A. Chernikova, O. S. Galkina. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no.2:[illegible] Mr-Ap '64.

GAGRA (GEORGIA)—BATHS, SEA

Results of a study on the preventive significance of the hardening of the human body by sea baths. D. G. [illegible], L. P. Dubinin. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 25:45-51 '63.

GAGRA (GEORGIA)—HEALTH RESORTS, WATERING PLACES, ETC.

Comparative data on the basal metabolism and vital oxygen in lung diseases at the sea health resort Gagra and moderate altitude health resort [illegible]. G. A. [illegible], M. K. [illegible], L. P. Dubinin. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 25:79-82 '63.

Microclimatic characteristics of the beach at the Gagra health resort. B. P. Kavkasidze, N. Sh. [illegible] Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 25:115-123 '63.

GAGRA REGION (GEORGIA)—OAK

Evergreen oak. V. I. [illegible] Les. khoz. 17 no.4: 24 Ap '64.

GAIDAR, ARKADII PETROVICH, 1904-1941

Gaidar as children's friend. [illegible] Nach. shkola 12 no.1:71-75 Ja '64.

Gaidar on teachers and schools. I. [illegible] Nach. shkola 12 no.1:20-22 Ja '64.

In front of the column. V. Korolev. Sov. voin 44 no.21 [illegible] '62.

Interview with Arkadii Gaidar. Boris Emel'ianov. Sem'ia i shkola 19 no.1:20-20 Ja '64.

Petrakova, E. I. [The works of Arkadii Gaidar; a textbook for correspondence students] O tvorchestve Arkadiia Gaidara; uchebnoe posobie dlia studentov-zaochnikov. Odessa, Odesskii gos. univ. im. I. I. Mechnikova, 1961. 63 p. (MIR)

Humorous biography, on the 60th anniversary of A. P. Gaidar's birth. B. A. Emel'ianov. Nach. shkola 12 no.1:15-20 Ja '64.

GALACTURONIC ACID

Glucopeptides. Report No. [illegible]: Synthesis of [illegible] N. A. [illegible], M. V. [illegible] Zhur. ob. khim. 34 no.4:[illegible] Ap '64.

GALANZA, PETR NIKOLAEVICH, 1903-

Professor P. N. Galanza's 60th birthday. [illegible] no.12:[illegible] '63.

GALAXIES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

GALAXIES—SPECTRA

[illegible]

[illegible]

GALAXY see Milky way

GALILEI, GALILEO, 1564-1642

Galileo Galilei; on the 400th anniversary of his birth. [illegible] Vest. AN SSSR 34 no.3:[illegible] '64.

Perel', IU. G. [Galilei and contemporary astronomy] Galilei i sovremennaia astronomiia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 9)

GALLACHER, WILLIAM, 1881-

William Gallacher. A. Lesnikov. Mir. ekon. i mezhdunar. otn. no.4:134-138 '64.

GALLBLADDER—DISEASES

Experience in the use of [illegible]. V. P. [illegible], L. L. Gurevich. Kaz. med. zhur. no.3:51-53 My-Je '63.

Hepatocholecystitis. S. A. Akhmed-zade, M. K. [illegible] Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.1:95-100 '61.

Pathogenic relation between acute pancreatitis and acute diseases of the gallbladder and bile ducts. B. M. [illegible] Zdrav. Kazakh. 22 no.10:38-43 '62.

Relation between the changes in the activity of glutamic-aspartic aminotransferase in the blood and morphological lesions of the liver parenchyma in different forms of cholecystitis (with summary in English). N. D. [illegible] Khirurgiia 39 no.1:[illegible] Ja '63.

GALLIC ACID

Polarographic activity of serum proteins in acute radiation sickness and the preventive administration of propyl gallate [with summary in English]. V.A. Barabol, S.A.Bershtein. Ukr.biokhim.zhur. 34 no.1: 32-39 '62.

GALLIUM

(see also subdivision under Altai Mountains; Sikhote-Alin' Range)

Extraction of gallium from alkaline solutions by means of sulfides. A.I.Nizhnik, Z.V.Shekhter. Zhur.prikl. khim. 37 no.4:742-745 Ap '64.

GALLIUM—ANALYSIS

Determination of gallium in metallic zinc by rhodamine C. G.I.Kuchmistaia. Metod.anal.khim.reak.i prepar. no.4:79-81 '62.

Determination of gallium in ores by rhodamine. D.P. Shcherbov and others. Metod.anal.khim.reak.i prepar. no.4:75-79 '62.

Determination of gallium in selenium with lumogallion of the Institute of Chemical Reagents. E.A.Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:72-75 '62.

GALLIUM ANTIMONIDE

Thermomagnetic effects in GaSb. K.T.Basova. Met.i metalloved.chist.met. no.4:214-227 '63.

GALLIUM ARSENIDES

Spectral method for determining microimpurities in gallium arsenide with their preconcentration [with summary in English]. G.A.Kataev, Z.I.Otmakhova. Zhur.anal.khim. 18 no.3:339-341 Mr '63.

GALLIUM SELENIDES

Interaction in the system gallium selenide - gallium telluride ($A^{III} B^{VI}$ -type). P.G.Rustamov, B.K. Babaeva, M.G.Safarov. Azerb.khim.zhur. no.1:133-136 '64.

Interaction of samarium and gallium selenides $A^{III}_2 B^{VI}_3$. G.Kh.Efendiev, Z.Sh.Karaev, I.O.Nasibov. Azerb.khim.zhur. no.1:125-131 '64.

GALLIUM TELLURIDES

Interaction in the system gallium selenide - gallium telluride ($A^{III} B^{VI}$ -type). P.G.Rustamov, B.K. Babaeva, M.G.Safarov. Azerb.khim.zhur. no.1:133-139 '64.

GALVANOMETER—TESTING

Investigating kinematics of galvanometric mechanisms by dynamic methods. I.N.Popov, A.I.Solov'ev. Priborostroenie no.12:9-10 D '63.

GAMALEIA, NIKOLAI FEDOROVICH, 1859-1949

Noteworthy dates in science and technology. Shkola i proizv. 8 no.3:94-96 Mr '64.

GAMARNIK, IAN BORISOVICH, 1894-1937

Salekhov, N.I. [IAn Borisovich Gamarnik; a study of his life and work] IAn Borisovich Gamarnik; ocherk zhizni i deiatel'nosti. Moskva, Politizdat, 1964. 78 p. (Geroi i podvigi)

GAMES

[Leisure time] V chasy dosuga. Moskva, Voenizdat, 1964. 102 p.

GAMMA GLOBULIN

Analysis of an outbreak of adenovirus diseases in the departments of a children's tuberculosis sanatorium [with summary in English]. A.S.Kaplan, L.L.Gaeva, G.A.Makarenko. Pediatriia 42 no.9:23-27 S '63.

Improved rivanol-alcohol method for obtaining γ-globulin [with summary in English]. T.L.Hubenko, V.I. Smyrnova. Ukr.biokhim.zhur. 35 no.5:747-753 '63.

GAMMA-RAY SPECTROMETRY

Germanium spectrometric detector of gamma radiation. O.A.Matveev. Atom.energ. 16 no.4:362 Ap '64.

Measuring the aeration degree of a flow by the gamma-spectroscopic method. V.A.Romadin. Dokl.TSKHA no.87:313-318 '63.

GAMMA RAYS

Effect of γ-radiation on glucosamine. N.K.Kochetkov, L.I.Kudriashov, T.M.Senchenkova. Dokl.AN SSSR 154 no.3:643-645 Ja '64.

Gamma radiation from the IRT-2000 reactor of the Academy of Sciences of the White Russian S.S.R. A.P.Bogdanov, E.I.Firsov. Atom.energ. 16 no.4: 354-355 Ap '64.

Measurement of the radioactivity of metal samples with a gamma-emitting isotope. A.M.Skrebtsov. Zav.lab. 30 no.5:564-566 '64.

Method for calculating the specific activity of water. E.I.Dolgirev. Geofiz.prib. no.12:93-95 '62.

Thick-walled ionization chamber as a monitor for γ -radiation with an energy of $0 < W < 100$ Mev. A.K. Kaminskii, E.S.Lonskii. Zhur.tekh.fiz. 34 no.3: 527-529 Mr '64.

Using gamma rays for checking the quality of welded joints. D.A.Rogovin, F.V.Stepanenko. Mashinostroenie no.2:76-77 Mr-Ap '64.

Using inclined gamma-ray beam in determining the interface between liquid metal and slag. D.S.Gerchikov, O.M.Ignat'ev, M.V.Ilyk. Avtom.i prib. no.1:61-62 Ja-Mr '64.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Elements of the theory of a gamma-electron relay for a radiometric separator of potatoes. R.A.Srapeniants. Mekh.i elek.sots.sel'khoz. 22 no.1:37-40 '64.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Effect of a single total-body gamma irradiation on macrophages. A.I.Braude. Dokl.AN SSSR 155 no.5:1188-1191 Ap '64.

Possibility of an indirect effect of ionizing radiation in lipid solutions; radiolysis of β-carotene in oleic acid. IU.B.Kudriashov, Z.Baltbarzdys, Le-dak Lieu. Dokl. AN SSSR 156 no.1:191-193 My '64.

GAMMA RAYS—SCATTERING

Spatial distribution of a scattered radiation dose from a source of collimated gamma quanta in an infinite medium near the source. V.I.Kukhtevich, E.S.Matusevich, L.A. Trykov. Atom.energ. 16 no.5:453-455 My '64.

GAMMA RAYS—SPECTRA

Gamma-ray spectrum and partial values of absorbed energy in an arbitrary homogeneous mixture. V.A. El'tekov, B.M.Terent'ev, M.V.Panchvidze. Atom. energ. 16 no.4:291-295 Ap '64

GANGLIONIC BLOCKING AGENTS

Main trends in the synthesis of hypotensive substances. Report No.1. M.V.Rubtsov. Med.prom. 17 no.10: 6-14 O '63.

GANINA, MAIIA ANATOL'EVNA

Portraits and reflections. E.Starikova. Nov.mir 40 no.3:236-241 Mr '64.

GANZ, ANTON ROY, 1903-

Hamoud al-Jaifi. Anton Roy Ganz. Nov.vrem. 21 no.20:15 My '64.

GAS

Converting natural and mixed gas for special heating installations. I.N.Babin and others. Trudy VNIIT no.11:245-253 '62.

Gasification of shredded peat with illuminating gas. A.S. Sinel'nikov, A.G.Nemchenko, I.L.Glezin. Trudy VNIIT no.11:81-87 '62.

GAS, NATURAL

(see also subdivision under Amu Darya Valley; Bukhara Province; Nabur Volcano; Shebelinka Gas Field)

Analyzing natural gases for helium by mass spectrometry. I.A.Demenkov. Trudy GrozNII no.15:351-352 '63.

Calculating the intrusion of water into a gas pool with constant gas saturation of the flooded zone. A.I. Shirkovskii. Gaz.delo no.11:9-12 '63.

Converting natural and mixed gas for special heating installations. I.N.Babin and others. Trudy VNIIT no.11:245-253 '62.

Device for liquefying natural gas. Gaz.delo no.11:65 '63.

Effect of natural gas on the growth of the chemical fertilizer industry in Canada. Gaz.delo no.3:46 '64.

Electrolytic moisture gauge for gases. V.I.Istomin. Gaz.delo no.11:26-30 '63.

Using a simplified method for heat calculations in controlling the formation of carbon black in products of the incomplete combustion of gaseous fuel and liquid hydrocarbon crude. IU.P.Bass. Gaz.delo no.11:50-53 '63.

Volkov, A.E., and A.S.Lapidus. [Safety measures in the production of acetylene from natural gas] Tekhnika bezopasnosti v proizvodstve atsetilena iz prirodnogo gaza. Moskva, Izd-vo "Khimiia," 1964. 148 p.

GAS, NATURAL—ANALYSIS see subdivision under Volgograd Province

GAS, NATURAL—GEOLOGY

(see also subdivision under Apsheron Peninsula; Azerbaijan; Bashkiria; Daghestan; Gazli Oil Field; Kolendo Oil Field; Pripet Valley; Punga Gas Field; Soviet Central Asia; Tunguska Basin; Zeya-Bureya Plain)

Basic characteristics of the relief of the present-day surface of the basement of the U.S.S.R. in relation to an evaluation of the prospects for finding oil and gas. N.I.Buialov, E.V.Zakharov. Sov.geol. 7 no.4:24-39 Ap '64.

Brod, I.O. [Fundamentals in the study of oil- and gas-bearing basins] Osnovy ucheniia o neftegazonosnykh basseinakh. Moskva, Izd-vo "Nedra," 1964. 58 p.

Dolitskii, V.A., E.F.Frolov, and N.A.Eremenko, comps. [Oil and gas prospecting methods] Metodika poiskovo-razvedochnykh rabot na neft' i gas. Moskva, Izd-vo "Nedra," 1964. 357 p.

Formation period of certain gas pools. V.I.Larin. Izv. vys.ucheb.zav.; neft' i gaz 7 no.4:14-16 '64.

Gas overflow through a slightly permeable interlayer. V.I.Motiakov, V.IA.Val'tser. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:41-45 '64.

Moscow. Institut geologii i razrabotki goriuchikh iskopaemykh. [Experimental investigations in the development of deep oil and gas fields] Eksperimental'nye issledovaniia v oblasti razrabotki glubokikh neftianykh i gazovykh mestorozhdenii. Moskva, Izd-vo "Nauka," 1964. 207 p.

GAS, NATURAL—HYDRATES see subdivision under Shchelkovo (Moscow Province)

GAS, NATURAL—PIPE LINES

(see also subdivision under Ukraine)

A.E.Maiorov's brigade of communist labor. L.I. Margulis, B.M.Bel'man. Mont.i spets.rab.v stroi. 26 no.4:16-18 Ap '64.

Again to the Urals; interview of our correspondent with the builders of the second gas pipeline Bukhara-Urals. Nar.khoz.Sred.Az. 1 no.2:52-53 F '64.

Unit for the automatic introduction of methanol into a gas pipeline. V.V.Gordzialkovskii, M.I.Brekhman, M.N. Dubinskii. Gaz.delo no.3:16-18 '64.

GAS, NATURAL—PROCESSING

Using gases of hydroforming processes. R.N.Masagutov and others. Trudy BashNII NP no.6:5-10 '63.

GAS, NATURAL—SEPARATION see subdivision under Bashkiria

GAS, NATURAL—THERMODYNAMICS

Thermodynamic properties of natural gases and their basic components. V.A.Zagoruchenko. Izv.vys.ucheb. zav.; neft' i gaz 7 no.4:67-70 '64.

GAS AND OIL ENGINES see Internal combustion engines

GAS AS FUEL

Chistovich, S.A., and S.IA.Shkliarovskaia. [Installation and operation of gas-operated automated heating boiler rooms] Montazh i ekspluatatsiia avtomatizirovannykh otopitel'nykh kotel'nykh na gaze. Leningrad, Nedra, 1964. 65 p. (Biblioteka mastera gazovogo khoziaistva)

Increasing the yield and heating capacity of shale producer gas. E.S.Bezmozgin and others. Trudy VNIIT no.11: 97-101 '62.

Maiyl, G.A., and E.B.Gusakovskii [Automatic control of combustion in industrial furnaces operating on gas fuel] Avtomaticheskoe regulirovanie rezhimov goreniia promyshlennykh pechei, rabotaiushchikh na gazovom toplive. Leningrad, Izd-vo "Nedra," 1964. 124 p. (Biblioteka mastera gazovogo khoziaistva)

GAS CHROMATOGRAPHY

Automatic analysis of blast furnace gases by gas chromatography. F.G.Druzhinin, V.P.Mitinin. Zav.lab. 30 no.5:531-533 '64.

Chromatographic determination of helium, neon, and hydrogen impurities in air [with summary in English]. N.M.Turkel'taub and others. Zhur.anal.khim. 19 no.1:133-134 '64.

Determination of the composition of certain ethereal oils by a method of gas-liquid chromatography [with summary in English]. A.K.Morinshchev, V.G.Voronin. Zhur.anal.khim. 18 no.3:401-405 Mr '63.

Determining C_2-C_5 hydrocarbons in gasolines by gas-liquid chromatography. M.A.Kolbin, K.N.Mamaeva, F.R.Khabirov. Nefteper.i neftekhim. no.4:18-21 '64.

Diffusion of frontal zones and the calculation of the composition of mixtures in gas carrier-free chromatography. A.A.Zhukhovitskii and others. Dokl.AN SSSR 156 no.3:654-657 '64.

Nonpolar carrier for gas-liquid chromatography [with summary in English]. A.I.Kostner. Zhur.fiz.khim. 37 no.3:707-710 Mr '63.

Polarographic detection in gas-liquid chromatography. Part I [with summary in English]. V.G.Matranovskii, M.TS.IAnotovskii. Zhur.fiz.khim. 37 no.3:705-707 Mr '63.

Singliar, Michal. [Gas chromatography in practice. Translated from the Slovak] Gazovaia khromatografiia v praktike. Moskva, Izd-vo "Khimiia," 1964. 104 p.

Taking into account distortions introduced by a detector in gas chromatography. V.G.Zizin. Trudy BashNII NP no.6:152-165 '63.

GAS CONCRETE

Technology of gas lime concrete with shale ash. I.M. Ozerov, G.E.Solovushkova. Trudy VNIIT no.11:189-198 '62.

GAS DISTRIBUTION

Automatic control of gate valves. A.I.Sulin, IU.V.Burdenko. Trudy VNIING no.2:103-105 '63.

Bazekin, A.A. [Control and measuring instruments and automatic regulators in gas distribution stations for gas mains] Kontrol'no-izmeritel'nye pribory i avtomaticheskie reguliatory gazoraspredelitel'nykh stantsii magistral'nykh gazoprovodov. Moskva, Nedra, 1964. 78 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

Efficiency in the full utilization of optimal pressure drop in city gas networks. V.A.Smirnov, V.M. Rozenfel'd, R.P.Liakhova. Gaz.delo no.11:30-34 '63.

Temperature pickup. M.S.Kosarev. Trudy VNIING no.2:108-111 '63.

GAS DYNAMICS

Approximate integration of gas dynamics equations. F.N.IAsinskii. Inzh.-fiz.zhur. 7 no.3:105-110 Mr '64.

Hydraulic design of a gas ejector by successive approximations. IU.I.Lobyntsev, V.F.Lychagin. Trudy VNIIT no.11:260-268 '62.

Nonsteady-state magneto-gas dynamic problem. A.Riemann wave analog. N.V.Saltanov, V.S.Tkalich. Dokl. AN SSSR 156 no.3:529-532 '64.

Relative motion of particles (or drops of a liquid) in a fast gas current. A.T.Litvinov. Teploenergetika 11 no.5:42-44 My '64.

Variational problems in gas dynamics of equilibrium and nonequilibrium flows. A.N.Kraiko. Prikl.mat.i mekh. 28 no.2:285-295 Mr-Ap '64.

GAS FLOW

Calculation of flow lines given the pressure distribution on the surface of a solid body. G.I.Maikapar. Prikl. mat.i mekh. 28 no.2:381-382 Mr-Ap '64.

Effect of the structure of porous bodies on the specific surface value determined by the gas permeability method. B.N.Goshchitskii, I.S.Izrailevich, S.N.Novikov. Dokl. AN SSSR 155 no.3:640-643 Mr '64.

Evaluating the effect of various methods of charging a blast furnace on the state of the gas flow in its upper part. L.A.Lepikhin. Stal' 23 no.3:190-204 Mr '64.

Gas motion with friction and heat transfer in a channel of uniform cross section. N.M.Beliaeva. Inzh.-fiz. zhur. 7 no.3:82-85 Mr '64.

Local heat transfer during gas flow in tubes at high temperature heads. V.V.Kirillov, IU.S.Maliugin. Teplofiz.vys.temp. 1 no.2:254-259 S-O '63.

Method for the approximate analytic solution of a problem of nonstationary gas flow to a line of wells in a reservoir of varying thickness. B.B.Lapuk, E.B. Abutaliev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12: 91-96 '63.

Minimum drag conical bodies in hypersonic gas flow. A.L.Gonor. Prikl.mat.i mekh. 28 no.2:383-386 Mr-Ap '64.

Temperature of a gas flow in a thin-walled perforated tube of constant cross section. D.A.Kurtener. Inzh.-fiz.zhur. 7 no.3:54-56 Mr '64.

GAS FLOW—BOUNDARY VALUE PROBLEMS

Stability of plane-parallel Couette flow. L.A.Dikii. Prikl.mat.i mekh. 28 no.2:389-392 Mr-Ap '64.

GAS GANGRENE

Effect of glutathione on the oxidation-reduction processes within the animal organism infected with gas gangrene. A.N.Alad'ina. Sbor.nauch.rab.IAr.med.inst. no.20: 91-97 '59.

Obtaining native clostridium sordelli anatoxins and their immunological characteristics [with summary in English]. E.V.Vlasova, E.F.TSurikov. Zhur.mikrobiol., epid.i immun. 40 no.4:83-87 Ap '63.

Vacat oxygen and its relation to total nitrogen in urine in an anaerobic infection. I.B.Fridliand, A.N.Alad'ina. Sbor.nauch.rab.IAr.med.inst. no.20:98-107 '59.

GAS GANGRENE—PREVENTIVE INOCULATION

Effect on immunogenesis of various doses and number of administrations of antigen during the immunization of people with a dianatoxin [with summary in English]. L.H.Pidhorna. Mikrobiol.zhur. 25 no.1:16-20 '63.

GAS HEATING

Papatsenko, Kh.I. [Use of gas in greenhouse and hotbed gardening] Primenenie gaza v teplichno-parnikovom khoziaistve. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 44 p.

GAS INDUSTRY—EQUIPMENT AND SUPPLIES

Bokserman, IU.I. [Methods for developing new equipment in the gas industry of the Soviet Union] Puti razvitiia novoi tekhniki v gazovoi promyshlennosti SSSR. Moskva, Izd-vo "Nedra," 1964. 311 p.

GAS INDUSTRY—STATISTICS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po toplivnoi promyshlennosti. [Gas industry in capitalist countries; a statistical abstract] Gazovaia promyshlennost' kapitalisticheskikh stran; statisticheskii obzor. Moskva, TsNIITEIneftegaz, 1963. 31 p. (MH)

GAS MASKS—TESTING

System tested in Novosibirsk. V.Malotin. Pozh.delo no.4:25 Ap '64.

GAS PRODUCERS

Conference on the further improvement and automatic control of shale gas generators. V.M.Efimov. Khim. i tekh.gor.slan.i prod.ikh perer. no.10:314-317 '62.

Dependence of the calcium chloride content in the generator tar and tar water on the technological conditions of gas generators. V.M.Efimov, R.E.Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:278-284 '62.

Distributed blasting in a shale gas generator. E.S.Bezmozgin, A.G.Nemchenko. Trudy VNIIT no.11:78-80 '62.

Investigating the composition of inorganic chloride compounds in the products of the semicoking of oil shale in gas generators. I.Husse, R.E.Metsik, L.IU. Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:264-277 '62.

Investigating the process of the formation of calcium chloride in the tar and tar water from the semicoking of oil shale in gas generators. I.Hüsse, R.Metsik, L.Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:257-263 '62.

Temperature and pressure distribution in the separate zones of shale gas generators. E.S.Bezmozgin and others. Trudy VNIIT no.11:35-41 '62.

Temperature conditions of oil shale gas generators with a central heat carrier inlet. P.IU.Piller. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:135-39 '62.

Water refluxing of a steam-gas mixture of shale gas generators. IA.N.Vainshtein. Trudy VNIIT no.11:56-62 '62.

GAS PRODUCERS—MODELS

Investigating the segregation of fuel and the distribution of gas flows on a cold model of a highly productive shale gas generator. M.M.Barshevskii, E.S.Bezmozgin, R.N.Shapiro. Trudy VNIIT no.11:63-72 '62.

GAS TURBINES

Approximate simulation of combustion in the combustion chambers of a gas turbine system. IA.P.Storozhuk, V.A.Asoskov. Teploenergetika 11 no.1:59-63 Ja '64.

Burning of natural gas under pressure in the combustion chamber of a gas turbine system. A.A.Shatil', IA.S. Khainovskii, V.D. Murashko. Teploenergetika 11 no.1:63-67 Ja '64.

Deich, M.E., and Troianovskii, B.M. [Investigations and calculations of the stages of axial-flow turbines] Issledovaniia i raschety stupenei osevykh turbin. Moskva, Izd-vo "Mashinostorenie," 1964.

Effect of operating parameters and design features of a burner on the temperature level of the walls of the flame tube of a gas turbine combustion chamber. V.A.Khristich, A.M.Shevchenko. Izv.vys.ucheb.zav.; energ. 7 no.1:63-68 Ja '64.

Experimental study of a non-steady temperature field in the rotor of a gas turbine system [with summary in English]. I.T.Shvets' and others. Dop.AN URSR no.2:220-223 '64.

Gas turbine with blades of equal strength in height. V.I. Lokai. Izv.AN SSSR.Energ.i transp. no.2:248-254 Mr-Ap '64.

Increasing the power of two gas-turbine units. Gaz.delo no.3:43-46 '64.

Investigating the effect of an air inlet into the turbine flow area for cooling its disks and body on the efficiency of a gas turbine. E.N.Bogomolov. Izv.vys.ucheb.zav.; av.tekh. 7 no.1:85-95 '64.

Kuznetsov, L.A., and others. [The GT-700-5 gas turbine system] Gazoturbinnaia ustanovka GT-700-5. Pod red. L.A.Kuznetsova. Moskva, Mashinostroenie, 1964. 190 p.

Results of the improvement of the exhaust section of a gas turbine. D.I.Morozov, V.M.Shchekalkin. Teploenergetika 11 no.1:57-59 Ja '64.

Smirnov, V.A. [Installation, adjustment, operation, and repair of the equipment of a gas turbine compressor station] Montazh, naladka, ekspluatatsiia i remont oborudovaniia gazoturbinnoi kompressornoi stantsii. Leningrad, Izd-vo "Nedra," 1964. 126 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

Solution of problems on transient heat transmission using an automatic digital computer. B.A.Arkad'ev, G.G.Khilivniak, G.N.Shatrovskaia. Energomashinostroenie 9 no.3:12-15 Mr '63.

Use of a characteristics technique in studying the combustion chambers of gas turbine systems. A.A. Shatil', V.D.Murashko. Teploenergetika 11 no.5: 48-53 My '64.

GAS TURBINES—FUEL

Obtaining and testing a test sample of gas-turbine fuel derived from the contact coking of a sweet cracking residue. B.K.Amerik and others. Trudy GrozNII no.15:105-110 '63.

Obtaining gas-turbine fuels from high-paraffin crude. A.G.Malin, L.A.Balburskii, P.I.Krechetova. Trudy GrozNII no.15:94-104 '63.

Studying the depressing effect of tar residues on the pour point of gas-turbine fuels. O.I.Svetozarova, V.V. Zhdanova. Trudy GrozNII no.15:119-126 '63.

GAS WELDING AND CUTTING

Bykhovskii, D.G. [Oxygen-arc cutting of metals in shipbuilding] Gazoelektricheskaia rezka metallov v sudostroenii. Leningrad, Sudostroenie, 1964. 167 p.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Comparative testing of torches for propane-butane welding. P.S.Koltunov, IU.I.Nekrasov. Svar.proizv. no.11:27-29 N '63.

Modernization of the machine for simultaneous gas-torch cutting of shaped billets with seven cutting torches. B.Kh.Zholobov, M.A.Tarnarutskii, V.A.Brovtsev. Mashinostroenie no.2:32-33 Mr-Ap '64.

GAS WELL CASING

Changing the casing of the exploitation bottom of gas wells in the successive periods of their exploitation. A.I.Berezhnoi, P.G.Kulagin. Izv.vys.uch.zav.; neft' i gaz 5 no.9:51-56 '62.

GAS WELL LOGGING

IUrovskii, IU.M. [Resolving capacity in mud logging] Razreshaiushchie sposobnosti gazovogo karotazha. Moskva, Nedra, 1964. 158 p.

GAS WELLS

Damping a powerful gasser. M.B.Nazaretov and others. Neft.khoz. 41 no.12:60-67 D '63.

GAS WELLS—EQUIPMENT AND SUPPLIES

Designing stop devices for the well-head equipment of flowing wells sealed with special lubricants. R.A. Ramazanov, A.M.Bel'tsova. Gaz.delo no.11:13-16 '63.

GASEOUS PLASMA see Plasma (Ionized gases)

GASES

Improving the method for determining the hydrogen sulfide content in gases. E.M.Shul'gina, A.Kh.Arutiunova, A.E.Bliumshtein. Nefteper.i neftekhim. no.3: 26-29 '64.

Kinetics of chemical reactions between gaseous and liquid reactants proceeding in a stationary system with change in volume. G.M.Panchenkov, IU.M.Zhorov. Zhur.fiz.khim. 36 no.11:2520-2524 N '62.

Sound method for measuring shock waves in gases. S.B.Benilov. Trudy MIIT no.171:147-156 '63.

GASES—ABSORPTION AND ADSORPTION

Calculation of the once through partition coefficient of a mixture of two components from the sorption isotherms of pure substances. I.M.Kuvshinnikov. Zhur. fiz.khim. 36 no.11:2556-2557 N '62.

On the corpuscular theory of the structure of adsorbents. Part 4. B.G.Aristov, A.P.Karnaukhov, A.V.Kiselev. Zhur.fiz.khim. 36 no.11:2486-2490 N '62.

GASES—ANALYSIS

Iskandarian, A.A. [Sampling apparatus for gases and liquids] Probootborniki gazov i zhidkostei. Moskva, Izd-vo "Energiia," 1964. 36 p. (Biblioteka po avtomatike, no.98)

Modernized optical-acoustical gas analyzer for the determination of CO_2 in saturation gases. V.I.Mikhailenko. Sakh.prom. 37 no.12:20-23 D '63.

Preparation of control mixtures for calibrating chromatographic gas analyzers. A.A.Avdeeva, V.N.Fetisova. Teploenergetika 11 no.1:94-96 Ja '64.

Relation between the summary amplitude of stress led off the microphones of gas columns and the concentration of the components in a gas mixture. R.S.Kuchmina. Sbor.nauch.rab.IAr.med.inst. no.20:141-146 '59.

Semiautomatic laboratory device for measuring equal portions of gas. R.I.Alekseev, E.A.Tokarskaia. Zav. lab. 30 no.5:36 '64.

Thermometric analysis in the determination of the composition of binary gaseous mixtures. B.A.Mirtov, A.G.Starkova. Zav.lab. 30 no.5:575-577 '64.

Universal photocolorimetric tape-type gas analyzer. Kh.I.Agranov, L.V.Reiman. Zav.lab. 30 no.5:626-628 '64.

GASES—DENSITY

Determining the critical density of substances from data for the single-phase region. V.I.Kudashov. Inzh.-fiz. zhur. 7 no.3:73-77 Mr '64.

GASES—ELECTRIC PROPERTIES

Experimental study of the electric conductivity of combustion products containing potassium. E.P.Zimin, V.A.Popov. Zhur.tekh.fiz. 34 no.3:523-526 Mr '64.

GASES—LIQUEFACTION

Device for liquefying natural gas. Gaz.delo no.11:65 '63.

GASES—PURIFICATION

Removal of hydrogen sulfide of iron hydroxide suspensions from shale gas. A.E.Drabkin, N.V.Miliutina. Trudy VNIIT no.11:260-276 '62.

Stabilization of magnesium sulfite hexahydrate crystals by inhibiting additions of p-phenylenediamine. V.A. Pinaev. Zhur.prikl.khim. 37 no.4:898-899 Ap '64.

GASES—PURIFICATION—EQUIPMENT AND SUPPLIES

Experimental investigation of a turbocyclone gas purifier. IU.M.Pchelkin, A.M.Rozhdestvenskii. Izv. vys.ucheb.zav.; mashinostr. no.2:106-110 '64.

GASES—SEPARATION

Principles of the automatic control of the separation of homogeneous liquid and gas mixtures. E.IA.Susanov, IU.A.Alekseev. Trudy KF VNII no.8:60-79 '62.

Thermodynamics of the separation of binary and multicomponent systems. E.IA.Susanov. Trudy KF VNII no.8:5-43 '62.

GASES—THERMODYNAMICS

Molecular interaction and thermodynamic properties of gases at high temperatures. V. F. Baibuz. Teplofiz. vys. temp. 1 no. 2:161-169 S-O '63.

Partial molar volumes and volatility of the mixture acetylene and ammonia. S. M. Khodeeva. Khim. prom. no. 3:196-198 Mr '64.

GASES, COMPRESSED

Urevich, A. L. [Use of liquefied gas in construction] Ispol'zovanie szhizhennykh gazov v stroitel'stve. Minsk, Nauchno-tekhn. ob-vo energeticheskoi promyshl., 1963. 38 p.

[MICROFILM]

GASES, INTERSTELLAR

Magnetic fields of collapsing masses and the nature of superstars. V. L. Ginzburg. Dokl. AN SSSR 156 no. 1: 43-46 My '64.

GASES, IONIZED

Vector admittance and stability of an ionized gas. A. F. Nastoiashchii. Teplofiz. vys. temp. 1 no. 2:203-211 S-O '63.

GASES, RARE

Reactivity of noble gases. New method of preparation of XeF_4. V. M. Khutoretskii, V. A. Shpanskii. Dokl. AN SSSR 155 no. 2:379-380 Mr '64.

GASES AT HIGH TEMPERATURES

Characteristics of high-temperature interaction of carbon particles with gases. G. P. Khaustovich, E. S. Golovina. Inzh.-fiz. zhur. 7 no. 3:92-96 Mr '64.

Determination of the thermodynamic properties and composition of gaseous mixtures at high temperatures. E. V. Samuilov. Teplofiz. vys. temp. 1 no. 2:212-217 S-O '63.

Grekov, L. I., and others. [Basic properties of certain gases at high temperatures; handbook] Osnovnye svoistva nekotorykh gazov pri vysokikh temperaturakh; spravochnik. Moskva, Mashinostroenie, 1964. 39 p.

GASES IN METALS

Effect of hydrogen and nitrogen on the corrosion resistance of zirconium in water and steam. V. S. Emel'ianov, N. V. Barkov. Met. i metalloved. chist. met. no. 4:18-33 '63.

GASOLINE

(see also subdivision under Louisiana)

Determining C_2-C_5 hydrocarbons in gasolines by gas-liquid chromatography. M. A. Kolbin, K. N. Mamaeva, F. R. Khabirov. Nefteper. i neftekhim. no. 4:18-21 '64.

Economic effectiveness of the use of a DU-1 vapor tension controller in a system for stabilizing gasoline. IU. S. Leitman and others. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4:101-104 '64.

Effect of aromatic hydrocarbons on the distribution of the products of gasoline pyrolysis. S. Eltsek, T. N. Mukhina, N. L. Barabanov. Khim. prom. no. 3:163-165 Mr '64.

Effect of the depth of decomposition of oil shale on the composition and properties of chamber tar and gasoline. R. N. Shapiro. Trudy VNIIT no. 11:43-55 '62.

Hydrocarbon composition of gasoline fractions obtained from Karadag waxy crudes (Puta, Supra-Kirmaki sand series). G. G. Ashumov and others. Azerb. khim. zhur. no. 1:23-29 '64.

Improving the quality and increasing the recovery of a 62--85°C gasoline fraction for use as a raw material for producing benzene. M. L. Kreimer and others. Trudy BashNII NP no. 6:95-101 '63.

Obtaining high-octane gasolines. S. F. Vasil'ev, A. V. Agafonov. Nefteper. i neftekhim. no. 11:3-6 '63.

Octane numbers of straight-run gasolines. Nefteper. i neftekhim. no. 11:50-51 '63.

Selecting the best arrangement for separating gasoline fractions in molecular sieves. M. G. Mitrofanov and others. Trudy GrozNII no. 15:84-92 '63.

Separating cyclohexane from narrow gasoline fractions of Novo-Dmitryevka oil of Krasnodar Territory. N. P. Mel'nikova, N. M. Pikalo. Trudy KF VNII no. 8:96-101 '62.

Using molecular sieves to increase the octane number of gasolines. M. B. Vol'f, R. B. Alekseeva, L. G. Prokopiuk. Trudy BashNII NP no. 6:79-94 '63.

GASOLINE—ANALYSIS

Determining the gasoline octane number from small samples. V. F. Kuliashov. Trudy BashNII NP no. 6: 182-185 '63.

Investigating the hydrocarbon content of straight-run gasolines obtained from oils of the Northern Caucasus. E. S. Levchenko and others. Trudy GrozNII no. 15:333-343 '63.

Investigating the individual hydrocarbon composition of gasolines. M. N. Teleshova, R. V. Vigalok, A. A. Vasil'eva. Nefteper. i neftekhim. no. 11:27-30 '63.

GASOLINE—STORAGE

Experimental investigation of the evaporation of gasoline from a deepened reinforced concrete tank. M. I. Vainer, IU. A. TSimbler, V. I. Chernikin. Transp. i khran. nefti i nefteprod. no. 3:23-26 '64.

GASSERIAN GANGLION—AGING

Age changes in the gasserian ganglion in man. V. S. Ivanov. Trudy TSIU 64:42-51 '63.

GASTRIC JUICE

Effect of adrenaline on the hemopoietic property of the gastric juice. A. K. Musaeva. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:83-87 '63.

Effect of the "Sergeyevka-2" mineral water on the secretion and acidity of gastric juice in an experiment on dogs. F. P. Ambros. Zdravookhranenie 7 no. 1:38-41 Ja-F '64.

Relationship between the active acidity (pH) of gastric content and the type of food. M. F. Rumiantseva. Vop. pit. 21 no. 5:20-26 S-O '62.

GASTROINTESTINAL MOTILITY

Motor and evacuatory function of the resected stomach with small intestine enteroplasty in the early postoperative period [with summary in English]. P. E. Kulakov, G. M. Grigor'ev. Khirurgiia 39 no. 6:107-111 Je '63.

Study of the motor-evacuatory function of the stomach using radioactive isotopes. B. A. Shlevkov. Med. rad. 8 no. 5:83-88 My '63.

GAUGES

Electrolytic moisture gauge for gases. V. I. Istomin. Gaz. delo no. 11:26-30 '63.

Trigonometric gauge. Kh. M. IUsupov. Sbor. nauch.-tekh. inform. no. 3:33-34 '60.

GAVRILENKO, BORIS SERGEEVICH, 1903-

Boris Sergeevich Gavrilenko; on his 60th birthday. M. S. Zlotnikov. Ortop., travm. i protez. 24 no. 10:85 O '63.

GAVRILOV-YAM (YAROSLAVL PROVINCE)—WEAVING

Andrianov, V. I., and V. V. Solov'ev. [Gavrilov-Yam weavers] Gavriloviamskie tkachi. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 117 p. (Istoriia fabrik i zavodov)

GAZLI GAS FIELD—HYDROCARBONS—ANALYSIS

Certain regularities in the change of the chemical composition of hydrocarbons in the Gazli field. G. F. Margulov, N. M. Okun'. Gaz. delo no. 3:8-13 '64.

GAZLI OIL FIELD—GAS, NATURAL—GEOLOGY

Nature of gas migration in the Gazli region. V. L. Larin. Neftegaz. geol. i geofiz. no. 12:11-13 '63.

GEAR CUTTING

Shaving high-module high-rigidity gear wheels. S. I. Samoilov, V. S. Syromiatnikov. Vest. mashinostr. 44 no. 4:45-48 Ap '64.

GEAR-CUTTING MACHINES—VIBRATION

Vibration of a gear-milling machine set up on a foundation without fastening. I. N. Kartashov, E. N. Gulida. Mashinostroenie no. 2:69-70 Mr-Ap '64.

GEARING

Bolotovskii, I. A., ed. [Handbook on the geometrical calculation of involute toothed and worm gears] Spravochnik po geometricheskomi raschetu evol'ventnykh zubchatykh i cherviachnykh peredach. [By] T. P. Bolotovskaia i dr. Moskva, Mashgiz, 1963. 472 p.

Selecting an optimum variant of transmission structure according to the number of gear-wheel engagements. M. Kh. Moldavskii. Stan. i instr. 35 no. 4:16 Ap '64.

Simple and planetary train of noncircular gear wheels. N. S. IAblonskii. Izv. vys. ucheb. zav.; mashinostr. no. 2:12-20 '64.

Theoretical determination of the law of load distribution along contact lines of gear transmissions. K. I. Zablonskii. Nauch. zap. Od. politekh. inst. 46:3-10 '62.

Unifying dependences of modern calculation of gears for contact stresses. B. S. TSfas, I. K. Sachenko. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'-khoz. inst. no. 1:106-108 '62.

GEARING—BIBLIOGRAPHY see Bibliography—Gearing

GEARING—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Gear transmission of steam and gas turbines (State Standard 8889-58); technical specifications] Peredachi zubchatye parovykh i gazovykh turbin (GOST 8889-58); tekhnicheskie trebovaniia. Izd. ofitsial'noe. Moskva, 1958. 19 p. (SSSR. Gosudarstvennyi standart)

GEARING—TABLES, CALCULATIONS, ETC.

Niberg, N. IA. [Design of reducing gears; selection of parameters and the table method for designing transmissions] Raschet reduktorov; vybor parametrov i tablichnyi metod rascheta peredach. Moskva, Izd-vo "Mashinostroenie," 1964. 170 p.

GEARING—TESTING

Investigation of bending resistance of gear teeth under varying load conditions. D. N. Reshetov, R. M. Chatynian. Vest. mashinostr. 44 no. 4:15-19 Ap '64.

GEARING—VIBRATION

Torsional vibrations in closed circuits of power transmissions. V. A. Ivanov, V. P. Markelov, R. K. Volin. Izv. vys. ucheb. zav.; mashinostr. no. 2:61-70 '64.

GEARING, BEVEL

Pismanik, K. M. [Hypoid gears] Gipoidnye peredachi. Moskva, Izd-vo "Mashinostroenie," 1964. 226 p.

Theoretical determination of the law of load distribution along contact lines of bevel gear transmissions. K. I. Zablonskii. Nauch. zap. Od. politekh. inst. 46:[illegible] '62.

GEARING, WORM

Bolotovskii, I. A., ed. [Handbook on the geometrical calculation of involute toothed and worm gears] Spravochnik po geometricheskomi raschetu evol'ventnykh zubchatykh i cherviachnykh peredach. [By] T. P. Bolotovskaia i dr. Moskva, Mashgiz, 1963. 472 p.

GEESE

Defender. N. Shabarin. Sov. voin 44 no. 23:44 N '62.

GELATIN

Development of a new technology and mechanized continuous production line for the manufacture of edible gelatin from collagen-containing pigskins. D. I. Virnik and others. Trudy VNIIMP no. 15:[illegible] '63.

Effect of food coloring substances on the formation of the gelatin structure. V. M. Artomova, E. M. Ilaeva. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:46-48 '64.

Preparation of gelatin from raw materials processed with the acid method. D. I. Virnik and others. Trudy VNIIMP no. 13:52-63 '62.

Specific heat of evaporation of moisture from starch and gelatin [with summary in English]. V. M. Kazans'kyi. Dop. AN URSR no. 2:226-228 '64.

Synthesis and study of graft copolymers of gelatin [with summary in English]. L. A. Khismatullina, S. M. Levi, V. A. Kukhtin. Vysokom. soed. 6 no. 3:473-479 Mr '64.

Using the acid treatment method for the preparation of soft gelatin-yielding materials for gelatin production. E. V. Gaevoi, G. P. Dinarieva. Trudy VNIIMP no. 13: 30-51 '62.

GELATIN—OPTICAL PROPERTIES

Role of ionogenic groups in conformation conversions of gelatin. V. P. Merzlov, V. A. Pchelin. Dokl. AN SSSR 156 no. 3:666-669 '64.

GENERATIVE ORGANS—SURGERY

Surgical restoration of decreasing functional activity of the sex glands under experimental conditions. I. K. Zhordania, O. A. Gotsiridze. Eksper. khir. i anest. 8 no. 4:50-54 Jl-Ag '63.

GENERATIVE ORGANS, FEMALE—DISEASES

Change in internal female sexual organs in rheumatic fever. E. G. Pechorina. Nauch. trudy Riaz. med. inst. 14:60-73 '63.

GENERATIVE ORGANS, FEMALE—TUBERCULOSIS

Ermina, M. S. [Tuberculosis of the female genital organs] Tuberkulez zhenskikh polovykh organov. Moskva, Meditsina, 1964. 160 p.
(DNLM)

GENERATORS, ELECTRIC see Electric generators

GENETICS

Development of biological problems in the field of pediatrics. Z. I. Biriukova, M. IA. Studenikin. Pediatriia 42 no. 9:3-7 S '63.

Some problems of cultivation in vitro in connection with the development of the genetics of the somatic cells of mammals and man. A. F. Zakharov. Usp. sovr. biol. 56 no. 2:226-246 S-O '63.

Symposium on the subject "Structure and Functions of Genetic Materials." A. S. Spirin. Vest. AN SSSR 34 no. 2:106-107 F '64.

GENEVA—THEATER

Wrong choice; the "free world." Nov. vrem. 21 no. 20: 25 My '64.

GEOCHEMICAL PROSPECTING

(see also subdivision under Transbaikalia)

Methods of geochemical investigation. IU. N. Kapkov. Zap. LGI 45 no. 2:16-20 '63.

Polikarpochkin, V. V., and R. T. Polikarpochkina. [Biogeochemical prospecting for mineral deposits] Biogeokhimicheskie poiski mestorozhdenii poleznykh iskopaemykh. Moskva, Izd-vo "Nauka," 1964. 104 p.

Technique of the analysis of vegetable bedding assays in biochemical surveys. N. F. Maiorov. Zap. LGI 45 no. 2:107-113 '63.

GEOCHEMICAL PROSPECTING—CONGRESSES

Second All-Union Conference on Geochemical Prospecting for Ore Deposits. A. A. Saukov. Geol. rud. mestorozh. 5 no. 6:117-118 N-D '63.

GEOCHEMISTRY

Correlation of the compositions of ore-forming chemical elements in one of the complex metal deposits in the Armenian S.S.R. V.O. Paroniklan. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 6;33-46 '63.

"Fundamentals of uranium geochemistry." Reviewed by V.I.Smirnov. Vest. AN SSSR 34 no. 2:139-142 F '64.

Geochemical classification of elements. A.I. Perel'man. Priroda 53 no. 5:8-19 '64.

Sixth World Oil Congress Geology and Geochemistry Section. Neft. khoz. 41 no. 12;67-70 D '63.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur.: Geod. no. 5 My '64.

GEODESY—CONGRESSES

13th General Assembly of the International Union of Geodesy and Geophysics in Berkeley (U.S.A.). A.Kh. Khrgian. Meteor. i gidrol. no. 2;49-53 F '64.

GEOGRAPHICAL MUSEUMS see subdivision under Chukchi National Area

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL RESEARCH
(see also subdivision under Omsk Province)

A.A. Grigor'ev's studies and the paths of developing physical geography. M.I. Budyko. Izv. AN SSSR. Ser. geog. no. 2:6-11 Mr-Ap '64.

GEOGRAPHICAL SOCIETIES see subdivision under Altai Territory; Omsk; Siberia

GEOGRAPHY
(see also subdivision under Omsk Province; Ural Mountain region)

Methodological discussions in Moscow in a false interpretation of an American geographer. M.M. Zhirmunskii, N.F. IAnitskii. Izv. Vses. geog. ob-va 96 no. 2: 91-95 Mr-Ap '64.

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog. no. 5 My '64.

GEOGRAPHY—CONGRESSES

All-Union forum of geographers. S.A. Kovalev. Priroda 53 no. 5;113 '64.

Geographical conferences in Havana. B.N. Semevskii. Izv. AN SSSR. Ser. geog. no. 2;168-169 Mr-Ap '64.

GEOGRAPHY—PERIODICALS

Letter to the editor. O.A. Konstantinov. Izv. Vses. geog. ob-va 96 no. 2:167 Mr-Ap '64.

GEOGRAPHY—STUDY AND TEACHING

Local lore is life lore. A. Nesterov. Nar. obr. no. 4:125-126 Ap '64.

Local lore study as an important means of education and training. M. Kashin. Nar. obr. no. 5:18-24 My '64.

Nauchnoe soveshchanie geografov Sibiri i Dal'nego Vostoka. 2d, Vladivostok, 1962. [Materials of the Second Conference of the Geographers of Siberia and the Far East; abstracts of reports. Fifth section: Geography and Regional Study in School] Materialy; tezisy dokladov. V sektsiia geografii i kraevedeniia v shkole. 1962. 37 p.
[MICROFILM]

GEOGRAPHY, ECONOMIC
(see also subdivision 'Economic geography' under Central Chernozem region; Czechoslovakia; Kara-Kalpak A.S.S.R.)

Lialikov, N.I. [Economic geography of the U.S.S.R.; a textbook for the 11th grade of secondary schools in the Ukrainian S.S.R.] Ekonomichna geografiia SRSR; pidruchnyk dlia 11 klasu serednikh shkil URSR. Kyiv, Radians'ka shkola, 1963. 366 p. illus., maps.
(NN)

Semevskii, B.N. [Problems of the theory of economic geography] Voprosy teorii ekonomicheskoi geografii. [Leningrad] Izd-vo Leningradskogo univ., 1964. 85 p.

Textbook on statistics for economic geographers. L. Sipovskaia. Vest. stat. no. 5;59-64 '64.

GEOGRAPHY, ECONOMIC—METHODOLOGY

"Methodological problems of economic geography," edited by P.M. Alampiev, IA.G. Feigin. Reviewed by B.N. Semevskii. Izv. Vses. geog. ob-va 96 no. 1;76-78 Ja-F '64.

GEOLOGICAL MODELING

Use of models in studying certain dynamic characteristics of head waves. A.IA. D'iachkova. Geofiz. sbor. no. 5: 98-106 '63.

GEOLOGICAL TIME
(see also subdivision under Danzig, Gulf of; East European Plain; Igarka region, Krasnoyarsk Territory; Kuznetsk Basin; Queen Maud Land)

Primary data on the absolute chronology of principal events in the Holocene of the northeastern part of the U.S.S.R. IU.L. Lavrushin and others. Biul. Kom. chetv. per. no. 28:112-126 '63.

GEOLOGY
(see also subdivision under Dnieper Valley; Donets Basin; Kansay region, Leninabad Province; Kola Peninsula; Mongolia; Sakhalin; Ural Mountains; Uzbekistan)

Commemorative dates in January-March, 1964. V.V. Tikhomirov, N.A. Voskresenskaia. Sov. geol. 7 no. 4: 133-139 Ap '64.

Concerning V.V. Tikhomirov's book "Geology in Russia in the first half of the nineteenth century." K.V. Kostrin. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 4;22,28 '64.

From the history of the publishing of geological literature in the U.S.S.R. N.A. Beliaevskii, S.P. Volkova. Sov. geol. 7 no. 4;140-146 Ap '64.

Philosophical seminar of the teachers of the Department of Geology. T.A. Kazakevich, G.IA. Krymgol'ts. Vest. LGU 19 no. 6;160 '64.

Sixth World Oil Congress Geology and Geochemistry Section. Neft. khoz. 41 no. 12:67-70 D '63.

Some burning problems in Soviet geology. P.IA. Antropov. Izv. AN SSSR. Ser. geol. 29 no. 4;95-99 Ap '64.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol. no. 5 My '64.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—BIOGRAPHY

Losses to science. V.V. Tikhomirov, L.B. Paniutina. Izv. AN SSSR. Ser. geol. 29 no. 1;112-114 Ja '64.

GEOLOGY—CONGRESSES

First All-Union Conference on the Geology of Native Sulfur. P.M. Murzaev. Izv. AN SSSR. Ser. geol. 29 no. 4:126-128 Ap '64.

GEOLOGY—STUDY AND TEACHING see subdivision under Leningrad region

GEOLOGY, ASTRONOMICAL see Astronomical geology

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Baltic Sea region; Baltic Shield; Bashkiria; Chukchi Peninsula; Irkutsk Province; Kamchatka; Kazakhstan; Kem' region, Karelia; Koryak Range region; Kos-Istek region, Aktyubinsk Province; Kuban-Azov Lowland; Moscow region; Pyrenees; Tien Shan; Trakhtemirov region, Ukraine; Transbaikalia; Turkmenistan; Uzbekistan; Volga Valley)

Boundary between the Pliocene and Quaternary based on the fauna of marine mollusks. B.P. Zhizhchenko. Biul. Kom. chetv. per. no. 28:3-23 '63.

"Geology of the U.S.S.R." by D.V. Nalivkin. Reviewed by A.A. Bogdanov. Vest. AN SSSR 34 no. 1;130-134 Ja '64.

Lower boundary of the Quaternary system based on paleobotanical data. I.M. Pokrovskaia. Mat. VSEGEI. Chet. geol. i geomorf. no. 4:45-53 '61.

Proterozoic. M.A. Semikhatov. Izv. AN SSSR. Ser. geol. 29 no. 2;66-84 F '64.

Significance of the lithological method for the stratigraphic division of terrace alluvial sediments in the glacial and extraglacial regions. M.I. Plotnikova. Mat. VSEGEI. Chet. geol. i geomorf. no. 4;270-288 '61.

Stratigraphy and volume of the Lower Miocene. B.P. Zhizhchenko. Sov. geol. 7 no. 4;40-60 Ap '64.

Terms "Algonkian" and "Proterozoic." B.M. Keller. Izv. AN SSSR. Ser. geol. 29 no. 2;85-91 F '64.

GEOLOGY, STRATIGRAPHIC—CONGRESSES

Excerpt from the resolution of the joint plenum of the Permanent Commission on the Study of the Quaternary System attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U.S.S.R. from May 12, 1962. Biul. Kom. chevt. per. no. 28;185-189 '63.

Results of the work of the Fifth International Congress on Stratigraphy and Geology of the Carboniferous. V.P. Barkhatova, D.L. Stepanov. Sov. geol. 7 no. 4;147-153 Ap '64.

Work of the joint plenum of the Permanent Commission on the Study of the Quaternary System attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U.S.S.R. IU.A. Lavrushin. Biul. Kom. chetv. per. no. 28:182-184 '63.

GEOLOGY, STRATIGRAPHIC—MAPS

Some features of the distribution and characteristics of the structure of Quaternary sediments of the U.S.S.R. G.S. Ganeshin. Mat. VSEGEI. Chet. geol. i geomorf. no. 4;24-22 '61.

GEOLOGY, STRUCTURAL
(see also subdivision under Africa; Balkhash Lake region; Bavly Oil Field; Carpathian Mountain region; Caucasus, Northern; Dnieper-Donets Lowland; Ivano-Frankovsk region; Kagan region, Bukhara Province; Kama Valley; Kem' region, Karelia; Kola Peninsula; Kolomyya region; Krivoy Rog Basin; Shakhdag region; Siberia; Soviet Far East; Tatar A.S.S.R.; Turkmenistan; Udmurt A.S.S.R.; Verkhoyansk Range region)

Belousov, V.V. [Present-day problems of geotectonics] Sovremennye problemy geotektoniki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 22 p. (Chteniia im. V.I. Vernadskogo, no. 5)

Characteristics of the transitional complexes of the Caledonian and Hercynian consolidation. N.A. Krylov, V.I. Ditmar, A.I. Letavin. Izv. AN SSSR. Ser. geol. 29 no. 5;9-16 My '64.

Explosive forms of the intrusive process. A.M. Borsuk, IU.P. Masurenkov. Izv. AN SSSR. Ser. geol. 29 no. 4: 38-55 Ap '64.

Global stages of the tectogenesis and Triassic igneous activity in the northeastern U.S.S.R. A.P. Shpetnyi. Izv. AN SSSR. Ser. geol. 29 no. 2:109-112 F '64.

Method for the tectonic analysis of longitudinal river profiles. N.G. Volkov. Izv. AN SSSR. Ser. geog. no. 2: 125-133 Mr-Ap '64.

Relation between the lapse rate of vertical tectonic movements of the earth's surface and seismicity as revealed by a study made in the western half of the European part of the U.S.S.R. L.N. Bylinskaia, IU.A. Meshcheriakov. Dokl. AN SSSR 154 no. 3:586-589 Ja '64.

Relation of the endogenous and exogenous energy sources of geological processes [with summary in English]. N.A. Ansberg. Vest. LGU 19 no. 6;7-11 '64.

Thermal current, metamorphism and the possible mechanism of the formation of geosynclines [with summary in English]. V.I. Lebedev. Vest. LGU 19 no. 6;31-35 '64.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Dnieper-Donets Lowland

GEOMETRY

Gordevskii, D.Z., and A.S. Leibin. [Popular introduction to multidimensional geometry] Populiarnoe vvedenie v mnogomernuiu geometriiu. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 190 p.

GEOMETRY, DESCRIPTIVE

Chetverukhin, N.F., ed. [Descriptive geometry] Nachertatel'naia geometriia. Izd. 2., perer. i dop. [By] N.F. Chetverukhin i dr. Moskva, Vysshaia shkola, 1963. 419 p.

Omsk. Mashinostroitel'nyi institut. Kafedra nachertatel'noi geometrii i chercheniia. [Descriptive geometry and engineering drawing in the manufacture of machinery; transactions] Nachertatel'naia geometriia i inzhenernaia grafika v mashinostroenii; trudy. Omsk, 1963. 80 p.
[MICROFILM]

Prokof'ev, V.V., A.F. Afanas'ev, and N.P. Pekhterev. [Descriptive geometry] Nachertatel'naia geometriia. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D.I. Mendeleeva, 1963. 169 p.

Ryzhov, N.N. [Lectures on descriptive geometry] Lektsii po nachertatel'noi geometrii. Moskva, Univ. druzhby narodov imeni. Patrisa Lumumby.
No. 1. 1963. 45 p.

GEOMETRY, DIFFERENTIAL

Cartan, Elie Joseph. [Exterior differential systems and their geometric applications. Translated from the French] Vneshnie differentsial'nye sistemy i ikh geometricheskie prilozheniia. [Moskva] Izd-vo Moskovskogo univ., 1962. 236 p.
(RPB)

Two-dimensional Finsler spaces admitting of singular embedding into a three-dimensional affine space with a vector metric. F.I. Kagan. Izv. vys. ucheb. zav.; mat. no. 1;46-55 '64.

GEOMETRY, NON-EUCLIDEAN

Bending on the main basis of surfaces of zero curvature of an elliptic space. V.V. Rokitianskaia. Uch. zap. KHGU 115;113-119 '61.

Some properties of a four-dimensional simplex. N.A. Lapteva. Izv. vys. ucheb. zav.; mat. no. 1:73-83 '64.

GEOMETRY, PROJECTIVE

Oblique mapping of a third-order double-point surface onto a plane. Z.A. Skopets. Izv. vys. ucheb. zav.; mat. no. 1;117-121 '64.

GEOMORPHOLOGY see subdivision under Antarctic regions; Chirchik Valley; Chukchi Peninsula; Germany, East; Kanin Peninsula; Kazakhstan; West Siberian Plain

GEOMORPHOLOGY—MAPS

Principles for constructing the legends of general geomorphological maps on a 1:500,000-1:1,500,000 scale. G.S. Ganeshin. Trudy VSEGEI 90:7-23 '63.

GEOPHYSICAL RESEARCH

Methodology of geophysical surveys. G.S. Butakov. Geofiz. sbor. no. 5:79-84 '63.

GEOPHYSICS

Landform geophysics. D.L. Armand. Izv. AN SSSR. Ser. geog. no. 2:12-23 Mr-Ap '64.

Studies on the earth's crust and upper mantle; out-of-town session of the Scientific Council. L.P. Zaitsev. Vest. AN SSSR 34 no. 2;118-119 F '64.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz. nos. 4-5 Ap-My '64. Avtorskii ukazatel' za 1963 g.

GEOPHYSICS—CONGRESSES

Extensive program of exploring the earth: 13th General Assembly of IGGA in the U.S.A.. N.V.Shebalin. Vest. AN SSSR 34 no.1:52-58 Ja '64.

13th General Assembly of the International Union of Geodesy and Geophysics in Berkeley (U.S.A.). A.Kh. Khrgian. Meteor.i gidrol. no.2:49-53 F '64.

GEORGIA—APARTMENT HOUSES

Gallery-type apartment houses with economical arrangement of apartments. V.S.Gogoshidze. Trudy GPI [Gruz.] no.4:35-44 '63.

Results of experimental construction on the comprehensive theme "Standard apartment houses suitable for conditions in Georgia." R.IA.Agababian, G.G.Chigogidze. Trudy GPI [Gruz.] no.4:3-10 '63.

GEORGIA—APRICOT—VARIETIES

Chemical composition of the fruit of some peach (Persica vulgaris Mill.) and apricot (Armeniaca vulgaris L.) varieties cultivated in Georgia [in Georgian with summary in Russian]. N.N.Bregadze, P.I.Kapanadze, D.Chakvetadze. Vest. Tbil. bot. sada no.60:75-78 '63.

GEORGIA—ARCHITECTURE

National characteristics at the present-day stage of architectural development [in Georgian with summary in Russian]. I.N.TSitsishvili. Trudy GPI [Gruz.] no.4: 163-173 '63.

GEORGIA—ARCHITECTURE AND CLIMATE

Some problems in the interrelationship between architecture and nature [in Georgian with summary in Russian]. T.R.Kvirkveliia. Trudy GPI [Gruz.] no.4:73-81 '63.

GEORGIA—CHECHEN LANGUAGE—DIALECTS

The Kistin dialect of the Chechen language. I.IU.Aliroev. Izv. Chech.-Ing. nauch.-issl. inst. ist., iaz. i lit. 3 no.2:3-87 '62.

GEORGIA—CHRYSANTHEMUMS

Cultivation of Korean chrysanthemums in the mountains of eastern Georgia [in Georgian with summary in Russian]. V.A.Bagaturiia. Vest. Tbil. bot. sada no.60: 53-57 '62.

GEORGIA—CITIES AND TOWNS—GROWTH

Developing small urban settlements and limiting the growth of large cities; from practice in urban development in Georgia. V.Sh.Dzhaoshvili. Izv. AN SSSR. Ser. geog. no.2:60-68 Mr-Ap '64.

GEORGIA—CLIMATOLOGY, MEDICAL

Scientific fundamentals of the organization and arrangement of climatotherapy at the health resorts of Georgia. V.G.Gogibedashvili. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:5-10 '63.

GEORGIA—COINS

Duration and the nature of Mongolian domination in Georgia according to numismatical data. D.G. Kapanadze. Sov. arkheol. 8 no.2:63-78 '64.

GEORGIA—CONCRETE REINFORCEMENT—BOND

Bonding of "gazha"-portland cement concrete with the reinforcement. G.A.Beradze. Trudy GPI [Gruz.] no.4:27-34 '63.

GEORGIA—DAHLIAS—DISEASES AND PESTS

Protection of dahlias from degeneration and pests in Georgia. D.I.Lozovoi, V.IA.Bagaturiia. Vest. Tbil. bot. sada no.68:65-73 '62.

GEORGIA—FISHERY PRODUCTS, CANNED

New types of canned fish and vegetable products with national Georgian sauces. L.E.TSulukidze. Ryb. khoz. 40 no.3:69-71 '64.

GEORGIA—FRUIT CULTURE

Effect of mulching on the growth of perennial crops [in Georgian with summary in Russian]. M.A.Gogolishvili. Vest. Tbil. bot. sada no.68:103-107 '62.

GEORGIA—GIANT REED

Giant reed (Arundo donax L.) in eastern Georgia. B.D. Gavrilenko. Vest. Tbil. bot. sada no.68:85-88 '62.

GEORGIA—HEALTH RESORTS, WATERING PLACES, ETC.

Composition methods of planning different types of health resorts. S.I.Pitskhelauri. Trudy GPI [Gruz.] no.4: 123-128 '63.

Landscape and climatic classification of the health resorts of the Georgian S.S.R. M.O.Kordzhakhiia, R.P.Kavkasidze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:127-134 '63.

Pathology of respiration in tuberculosis of the lungs in the climate of moderate altitudes. G.A.Ushveridze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26: 11-28 '63.

Scientific fundamentals of the organization and arrangement of climatotherapy at the health resorts of Georgia. V.G.Gogibedashvili. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:5-10 '63.

GEORGIA—HOG CHOLERA—PREVENTIVE INOCULATION

Using glycerinized crystal violet vaccine against hog cholera on farms exposed to infection. G.G. Bedoneshvili. Veterinariia 40 no.10:31 O '63.

GEORGIA—MULCHING

Effect of mulching on the growth of perennial crops [in Georgian with summary in Russian]. M.A.Gogolishvili. Vest. Tbil. bot. sada no.68:103-107 '62.

Limiting effect of soil mulching on the growth of weeds [in Georgian with summary in Russian]. M.A.Gogolishvili. Vest. Tbil. bot. sada no.68:99-102 '62.

GEORGIA—NEWSPAPERS—BIBLIOGRAPHY

Tiflis. Gosudarstvennaia respublikanskaia biblioteka. [Analytic bibliography of Georgian newspapers] Analiticheskaia bibliografiia gruzinskikh gazet. Tbilisi, TSodna.

Vol. 3, Pt. 1. 1963. [In Georgian]

GEORGIA—ORE DEPOSITS

Ivantishil, T.V. [Geology, mineralogy and geochemistry of lead-zinc and complex metal deposits in Georgia] Geologiia, mineralogiia i geokhimiia svintsovo-tsinkovykh i polimetallicheskikh mestorozhdenii Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 309 p. (Akademiia nauk Gruzinskoi SSR. Geologicheskii institut. Monografii, no.13)

GEORGIA—PEACH—VARIETIES

Chemical composition of the fruit of some peach (Persica vulgaris Mill.) and apricot (Armeniaca vulgaris L.) varieties cultivated in Georgia [in Georgian with summary in Russian]. N.N.Bregadze, P.I.Kapanadze, D.Chakvetadze. Vest. Tbil. bot. sada no.60:75-78 '63.

GEORGIA—PHILOSOPHY

A serious research work in the history of philosophy. V.S.Mokulskaia, S.D.TSereteli, V.A.Gogsadze. Vop. filos. 18 no.3:162-164 '64.

GEORGIA—REVOLUTION, 1918-1921

Akhalaia, I.D., comp. [The Revolutionary Committees of Georgia in the struggle for the establishment and consolidation of the Soviet regime, from February 1921 to March 1922; documents and materials] Revoliutsionnye komitety Gruzii v bor'be za ustanovlenie i uprochenie Sovetskoi vlasti (fevral' 1921 g.-mart 1922 g.); sbornik dokumentov i materialov. Sukhumi, Abgosizdat, 1963. 533 p.

GEORGIA—SALES TAX

Improve the work. D.Dzhaparidze. Fin. SSSR 38 no.4: 40-40 Ap '64.

GEORGIA—TUBERCULOSIS

Pathology of respiration in tuberculosis of the lungs in the climate of moderate altitudes. G.A.Ushveridze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26: 11-28 '63.

GEORGIA—WALNUT

Some representatives of the walnut family in eastern Georgia [in Georgian with summary in Russian]. N.N. Bashindzhagian. Vest. Tbil. bot. sada no.68:1-30 '62.

GEORGIA—WEED CONTROL

Limiting effect of soil mulching on the growth of weeds [in Georgian with summary in Russian]. M.A.Gogolishvili. Vest. Tbil. bot. sada no.68:99-102 '62.

GEORGIAN LANGUAGE—DICTIONARIES—POLYGLOT

Lapanashvili, I.G. [Materials on dermatological terminology] Materialy k dermatologicheskoi terminologii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 200 p.

GEORGIAN LANGUAGE—MACHINE TRANSLATING

Morphological analysis of a machine translation from the Georgian. L.Tamarashvili. Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:11-20 '63.

GEORGIAN LITERATURE—HISTORY AND CRITICISM

Dzhibladze, G.N. [Romanticists and realists in 19th century Georgian literature] Romantiki i realisty v gruzinskoi literature XIX veka. Tbilisi, Izd-vo Soiuza sovetskikh pisatelei Gruzii "Literatura i iskusstvo," 1963. 427 p.

Kekelidze, K.S. [Studies on the history of early Georgian literature] Etiudy po istorii drevnegruzinskoi literatury. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian]

Vol. 9. 1963. 275 p.

GEPHYREA

Study of substantial and functional changes in the retractor of Phascolosoma under a prolonged thermal influence. A.N.Vinogradova, T.A.Dzhamusova. TSitologiia 5 no.3:279-286 My-Je '63.

GERANIUMS

Morphology of geranium seeds. N.N.Kaden. Nauch. dokl. vys. shkoly; biol. nauki no.3:97-102 '64.

GERBILS

Effect of vitamins C and E on the physiological characteristics and sensitivity of the gerbil Meriones meridianus to plague infection [with summary in English]. N.I. Kalabukhov, G.P.Shirokova, A.I.Shtal'man. Zhur. mikrobiol., epid. i immun. 40 no.4:103-107 Ap '63.

GERIATRICS

[illegible]

[illegible]

[illegible]

GERMAN DEMOCRATIC REPUBLIC [illegible]

GERMAN FEDERAL REPUBLIC [illegible]

GERMAN LANGUAGE [illegible]

Complex sentences with a [illegible]

GERMAN LANGUAGE [illegible]

Complex sentences with [illegible]

GERMAN LANGUAGE—TERMS AND PHRASES

[illegible]

GERMANS

[illegible]

GERMANS' LANGUAGE [illegible]

[illegible]

GERMANIUM

[illegible]

[illegible]

[illegible]

GERMANIUM—ANALYSIS

[illegible]

GERMANIUM ALLOYS

[illegible]

GERMANIUM CRYSTALS

[illegible]

GERMANIUM DIODES

[illegible] 1964. [illegible] p.

GERMANIUM-EUROPIUM ALLOYS

Crystal structure of the compound [illegible] [with summary in English]. [illegible]

GERMANIUM-IRON ALLOYS see Iron-germanium alloys

GERMANIUM ORGANIC COMPOUNDS

Homolytic reactions of [illegible] compounds of mercury. [illegible] Dokl. AN SSSR [illegible] Ap '64.

Synthesis of 1,1- and 1,3-[illegible]. V.F.Mironov, A.L.Kravchenko, [illegible] Dokl. AN SSSR 155 no.4:[illegible] Ap '64.

GERMANY—HISTORY

From the position of the [illegible] Ginzburg. Vop. ist. 39 no.5:[illegible] My '64.

Nations and governments in the 1813 war for the liberation of Germany. A.L.Narochnitskii. Vop. ist. 39 no.3: 172-189 Mr '64.

Scientific Conference Devoted to the 150th Anniversary of the Battle of Leipzig. [illegible] Vest. AN SSSR 34 no.1:120 Ja '64.

GERMANY—POLITICS AND GOVERNMENT

"United action against Cuno; history of the united [illegible] against the Cuno Government in 1923 in Central Germany" by W.Ersil. Reviewed by [illegible] Vop. ist. 39 no.5:153-155 My '64.

GERMANY—PROPAGANDA, ANTICOMMUNIST

The fascist "Anticommunist International" in the appraisal of a present-day anticommunist. A.M. Filitov. Vop. ist. 39 no.3:207-208 Mr '64.

GERMANY—REVOLUTION, 1918

The neocentric direction in the historiography of the socialist reformists of the German Federal Republic concerning the "third way" in the development of the November Revolution in Germany. L.V.Ovchinnikova. Vest. Mosk. un. Ser. 9: Ist. 19 no.2:19-31 Mr-Ap '64.

GERMANY—WORLD WAR, 1939-1945

"Collapse of fascists Germany" by G.L. Rozanov. Reviewed by A.S. Grossman. Vop. ist. 39 no.3:148-150 Mr '64.

GERMANY—WORLD WAR, 1939-1945—SOURCES

Agony in Hitler's general headquarters. Voen.-ist. zhur. 6 no.4:92-96 Ap '64.

GERMANY, EAST—AGRICULTURAL MACHINERY

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Farm mechanization in the countries of the northwestern zone of Europe (Finland, Sweden, Denmark, the German Democratic Republic)] Mekhanizatsiia sel'skogo khoziaistva v stranakh Severo-Zapadnoi zony Evropy (Finliandii - Shvetsii - Danii - GDR); obzor. Moskva, 1963. 91 p. (Kompleksnaia mekhanizatsiia i avtomatizatsiia predpriiatii. Seriia I-63) [MICROFILM]

GERMANY, EAST—ARMY

The sky stays clear. G. Berchert. Sov. voin 44 no.22: 45 N '62.

GERMANY, EAST—COMMUNIST EDUCATION

Two ways for one nation. D. Beneslavskii. Mezhdunar. zhizn' 11 no.5:142-144 My '64.

GERMANY, EAST—COMMUNISTS

Six destinies. R. Orlova, L. Kopelev. Nov. vrem. 21 no.19:23-26 My '64.

GERMANY, EAST—EDUCATION

Book on the prospects of education. V. Shepel'. Nar. obr. no.4:119-120 Ap '64.

GERMANY, EAST—FERTILIZERS AND MANURES

Organization of the methodical study of soils in the German Democratic Republic. V. Bergman. Zemledelie 26 no.1:88-91 Ja '64.

GERMANY, EAST—FOREIGN RELATIONS—GERMANY, WEST

Concerning West Germany's illegitimate claims. A. Aleksandrov. Mezhdunar. zhizn' 11 no.5:121-122 My '64.

GERMANY, EAST—FOREIGN RELATIONS—RUSSIA

Editorial comment. Nov. vrem. 21 no.19:3-4 My '64.

GERMANY, EAST—GEOMORPHOLOGY

International paleontological colloquium on the Pleistocene, and geomorphological excursion through the territory of the German Democratic Republic. N.S. Chebotareva. Izv. AN SSSR. Ser. geog. no.2:147-152 Mr-Ap '64.

GERMANY, EAST—MOTION PICTURES, DOCUMENTARY

Exciting motion-picture account. L. Noho. Mystetstvo 10 no.6:15-16 N-D '63.

GERMANY, EAST—RELATIONS (GENERAL) WITH RUSSIA

Russo-German cultural relations and the war of liberation of 1813. E.I. Druzhinina. Vop. ist. 39 no.3:170-179 Mr '64.

A scholarly meeting on Soviet and East German historians. A.L. Narochnitskii. Vop. ist. 39 no.3:168-179 Mr '64.

Significant landmark in the history of the friendship of the German and Russian peoples. Ist. SSSR 8 no.2: 230-238 Mr-Ap '64.

GERMANY, EAST—TEACHERS, TRAINING OF

Teacher training in the German Democratic Republic. N. Savin. Nar. obr. no.5:100-101 My '64.

GERMANY, EAST—VOCATIONAL EDUCATION

Work of the schools in the German Democratic Republic. A. Kandaurov. Shkola i proizv. 8 no.3:89-90 Mr '64.

GERMANY, WEST—ARMED FORCES

The "Bundeswehr" today. A. Markov. Mezhdunar. zhizn' 11 no.6:146-148 My '64.

GERMANY, WEST—COMMERCE—INDIA

Trade relations between India and the German Federal Republic [with summary in English]. A.C. Baskin. Vest. LGU 19 no.5:152-157 '64.

GERMANY, WEST—ECONOMIC CONDITIONS

Journey beyond the Elbe (to be continued). L. Bezymenskii. Nov. vrem. 21 no.20:19-21 My '64.

GERMANY, WEST—EDUCATION

Two ways for one nation. D. Beneslavskii. Mezhdunar. zhizn' 11 no.5:142-144 My '64.

GERMANY, WEST—ELECTRIC POWER

Consumption of electric power in the national economy of the German Federal Republic in 1962. IA.E. Vol'fkovich. Prom. energ. 19 no.4:46 Ap '64.

GERMANY, WEST—ELECTRIC POWER PLANTS

New block-type electric power plants in the German Federal Republic. V.IA. Girshfel'd. Teploenergetika 11 no.1:92-94 Ja '64.

GERMANY, WEST—FOREIGN RELATIONS

The crisis continues. A. Galkin. Nov. vrem. 21 no.19: 12-14 My '64.

The "philosophy" of Bonn's foreign policy and reality. A. Pavlov. Mezhdunar. zhizn' 11 no.5:102-107 My '64.

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

Concerning West Germany's illegitimate claims. A. Aleksandrov. Mezhdunar. zhizn' 11 no.5:121-122 My '64.

GERMANY, WEST—FOREIGN RELATIONS—GREAT BRITAIN

Sverdlov, G.M. [London and Bonn; English imperialism and the rearmament policy of the G.F.R., 1955-1963] London i Bonn; angliiskii imperializm i politika perevooruzheniia FRG (1955-1963 gg.). Predisl. akademika I.M. Maiskogo. Moskva, Izd-vo In-ta mezhdunar. otnoshenii, 1963. 239 p.

GERMANY, WEST—FOREIGN RELATIONS—TURKEY

West German militarists against the Cypriots. N. Mil'grom. Az. i Afr. seg. 7 no.5:55-56 My '64.

GERMANY, WEST—INTELLIGENCE SERVICE

The West German intelligence service. IU. Mader. Mezhdunar. zhizn' 11 no.5:91-95 My '64.

GERMANY, WEST—LAND TENURE—LAW

"Land law; a collection of articles." L.P. Khalevina. Sov. gos. i pravo 34 no.4:151-153 Ap '64.

GERMANY, WEST—LEGISLATION

Antidemocratic tendencies in the legislative developments of the German Federal Republic. A.D. Maslakov. Uch. zap. IMO no.14:167-186 '63.

GERMANY, WEST—POLITICS AND GOVERNMENT

Antidemocratic tendencies in the legislative developments of the German Federal Republic. A.D. Maslakov. Uch. zap. IMO no.14:167-186 '63.

GERMANY, WEST—RAILROADS—SIGNALING

Crossing signaling system with timed action. I.S. Gluzman. Avtom. telem. i sviaz' 8 no.3:46-48 Mr '64.

GERMANY, WEST—WAR CRIME TRIALS

Journey beyond the Elbe (to be continued). L. Bezymenskii. Nov. vrem. 21 no.21:22-24 My '64.

GERMINATION

Biological characteristics of seed germination in Gypsophila aretioides. V.N. Nikitina. Trudy Turk. sel'khoz. inst. 11 no.2:77-80 '62.

Effect of gibberellic acid on the dynamics of pollen germination of woody plants. I.A. Kaurov, V.S. Vakula. Bot.; issl. Bel. otd. VBO no.5:181-184 '63.

Effect of salts on some physiological characteristics of seeds and sprouts of the Japanese pagoda tree. S.A. Alekperov, T.E. Khrzhanovskaia. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.12:3-15 '61.

Protein substances and nucleic acids in the process of change in the dry substances of lupine seeds in germination. O.P. Bulko, A.S. Vecher. Dokl. AN BSSR 8 no.3:196-198 Mr '64.

Reproduction of the sickle-shaped alfalfa (Medicago falcata L.) by seeds. M.S. Snagovskaia. Nauch. dokl. vys. shkoly; biol. nauki no.2:111-115 '64.

GIANT REED see subdivision under Georgia

GIARDIASIS
(see also subdivision under Archangel)

Clinical aspects and treatment of the hepatic form of lambliasis in children. I.D. Ass. Kaz. med. zhur. no.6:38-41 N-D '62.

Some new aspects of the diagnosis and treatment of lambliasis. N.V. El'shtein. Kaz. med. zhur. no.6:35-38 N-D '62.

GIBBERELLIC ACID

Effect of gibberellic acid on the dynamics of pollen germination of woody plants. I.A. Kaurov, V.S. Vakula. Bot.; issl. Bel. otd. VBO no.5:181-184 '63.

GIBBERELLIN

Changes of tomatoes under the effect of gibberellin [with summaries in English, German, and French]. V.A. Raspevin. Vest. sel'khoz. nauki 8 no.12:131-134 D '63.

Effect of gibberellin on the Alpine plants of Mount Aragats, Armenian S.S.R. S.G. Narinian, V.E. Voskanian. Izv. AN Arm. SSR. Biol. nauki 17 no.3:17-24 Mr '64.

Effect of gibberellin on the wrinkled potato mosaic viruses [with summary in English]. L.K. Zherebchuk. Mikrobiol. zhur. 25 no.1:3-6 '63.

Possibility of using gibberellin to increase the yield of lettuce. V.A. Raspevin. Nauch. dokl. vys. shkoly; biol. nauki no.2:146-150 '64.

GIFT SHOPS see subdivision under Baku

GILLS

Specific differences in the structure of gill rakers in Cyprinidae. V.I. Kazanskii. Vop. ikht. 4 no.1:45-60 '64.

GILYAK LANGUAGE—PHONETICS

Letter to the editor. V.Z. Panfilov. Vop. iaz. 12 no.6: 156-157 N-D '63.

GILYAK LANGUAGE—SYNTAX

Letter to the editor. V.Z. Panfilov. Vop. iaz. 12 no.6: 156-157 N-D '63.

GINSENG

NMR spectra of genins from glycosides of Panax ginseng C.A. Mey. A.K. Dzizenko and others. Dokl. AN SSSR 156 no.1:92-94 My '64.

GINZBURG-KARAGICHEVA, TAT'IANA LAZAREVNA, 1885-1963

Tat'iana Lazarevna Ginzburg-Karagicheva; an obituary. Geol. nefti i gaza 8 no.1:3 of cover Ja '64.

GIRDERS see Beams and girders

GIRDERS, CONTINUOUS see Beams and girders, Continuous

GISSAR RANGE—ROCKS, SEDIMENTARY

Petrov, N.P., and P.A. Chistiakov. [Lithology of salt and red-bed sediments in the southwestern spurs of the Gissar Range] Litologiia solevykh i krasnotsvetnykh otlozhenii iugo-zapadnykh otrogov Gissara. Tashkent, Izd-vo "Nauka," 1964. 220 p.

GISSAR RANGE—SALT DEPOSITS

Petrov, N.P., and P.A. Chistiakov. [Lithology of salt and red-bed sediments in the southwestern spurs of the Gissar Range] Litologiia solevykh i krasnotsvetnykh otlozhenii iugo-zapadnykh otrogov Gissara. Tashkent, Izd-vo "Nauka, 1964. 220 p.

GLACIAL EPOCH see subdivision under Siberia; Ural Mountains; West Siberian Plain

GLACIERS
(see also subdivision under Alamedin Valley)

Significance of glacial isostasy in the crustal movements in glaciation areas. G.I. Lazukov, S.A. Evteev. Dokl. AN SSSR 155 no.2:337-339 Mr '64.

Tritium content in glaciers. IU.A. Izrael' and others. Dokl. AN SSSR 156 no.1:72-73 My '64.

GLACIOLOGY

Role of glacial isostasy in the crustal movements of the regions of recent and ancient glaciation. S.A. Evteev, G.I. Lazukov. Izv. AN SSSR. Ser. geog. no.2:24-26 Mr-Ap '64.

GLANDS, DUCTLESS see Endocrine glands

GLASS

Dilatometric measurements of glasses. V.S. Khaifets. Zav. lab. 30 no.5:573-575 '64.

Effect of lanthanum and zirconium on the alkali resistance of silicate glasses. V.S. Molchanov, T.M. Makarova. Zhur. prikl. khim. 37 no.4:886-887 Ap '64.

Electron microscope study of the fine structure of glass with the aid of ultrathin sections. F.K. Aleinikov. Dokl. AN SSSR 156 no.1:154-157 My '64.

Products from building glass. N.V. Kozlov. Biul. stroi. tekh. 21 no.2:43-47 F '64.

Sorption capacity of glass. D.K. Kollerov. Trudy inst. Kom. stand., mer i izm. prib. no.68:107-116 '63.

Transport number of sodium ions in aluminosilicate glasses. A.A. Pronkin. Zhur. prikl. khim. 37 no.4: 887-888 Ap '64.

GLASS—BIBLIOGRAPHY see Bibliography—Glass

GLASS, ORNAMENTAL—ANALYSIS

Study of mosaic glasses of the 12th century from Polotsk. M.A. Bezborodov. Dokl. AN BSSR 8 no.3:169-171 Mr '64.

GLASS FACTORIES—HYGIENIC ASPECTS see subdivision under Gomel'

GLASS FIBERS

Glass fiber. M.S.Aslanova. Priroda 53 no.5:64-66 '64.

GLASS MANUFACTURE see subdivision under Kiev Economic region

GLASS PIPE see Pipe, Glass

GLASS REINFORCED PLASTICS
(see also subdivision under Kuybyshev Province)

Automobile wheels made of glass-reinforced plastics. V.S.TSybin, S.G.Vol'skii, IU.T.Bogatykh. Izv.vys.ucheb.zav.; mashinostr. no.2:124-131 '64.

Glass plastics clad with chemically stable thermoplastics. Production methods and technology of the manufacture of chemical apparatus. S.I.Sukhov, A.N.Levin. Plast.massy no.5:33-36 '64.

Ice molds made from glass plastics. N.V.Dem'iankov. Plast.massy no.5:62-34 '64.

Use of glass reinforced plastics. Biul.stroi.tekh. 21 no.2:42-43 F '64.

GLASS REINFORCED PLASTICS—TESTING

Effect of the orientation of the reinforcing fibers on the mechanical strength of glass plastics. G.D.Andreevskaia. Plast.massy no.5:43-44 '64.

Resistance of AG-4C glass plastics to prolonged loading under normal climatic conditions. V.M.Grezin, M.E.Kagan. Plast.massy no.5:39-43 '64.

GLASS RESEARCH

Electron microscope investigation of the catalyzed crystallization of glasses of the system $Li_2O-Al_2O_3-SiO_2$. V.N.Vertsner and others. Dokl.AN SSSR 154 no.3:673-674 Ja '64.

Heat capacity of glass-forming crystals at low temperatures. V.A.Romanovskii. Zhur.fiz.khim. 36 no.11:2550-2552 N '62.

Phase transitions in the process of catalytic crystallization of glass in the system $SiO_2-Al_2O_3-MgO$. I.I.Kitaigorodskii, R.IA.Khodakovskaia, M.V.Artamonova. Dokl.AN SSSR 155 no.2:370-373 Mr '64.

Precrystallization stage in glasses of the system K_2O-SiO_2. A.I.Avgustinik, I.T.Sintsova, D.M.IUdin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:101-105 '64.

GLAZES

Leadless, nonboron raw glaze on a soluble glass base. K.A.Smirnova. Trudy NIIStroikeramiki no.19:30-36 '62.

GLAZUNOV, ALEKSANDR KONSTANTINOVICH, 1865-1936

Letter written by A.K.Glazunov. M.Leonova. Mystetstvo 10 no.6:26 N-D '63.

GLIDERS (AERONAUTICS)

"Vega" is a glider for all. V.Il'chenko. Kryl.rod. 15 no.4:21-22 Ap '64.

GLIDING AND SOARING

Fly without accidents. E.Sapozhnikov. Kryl.rod. 15 no.4:20 Ap '64.

What worries glider pilots? Kryl.rod. 15 no.4:19 Ap '64.

GLOBULIN

Clinical manifestations of cryoglobulinemia. G.E.Shinskii. Vest.derm.i ven. 37 no.4:32-36 Ap '63.

Preparation of anti-globulin serum by immunization of rabbits using the Freund method. R.K.Kaluzhenko. Lab.delo 9 no.4:41-42 Ap '63.

Properties of γ- and β-globulins [with summary in English]. O.P.Sitin, N.V.Klenina, R.IU.Popravka. Ukr.biokhim.zhur. 34 no.1:3-9 '62.

GLUBOKOYE (KAZAKHSTAN)—COPPER INDUSTRY

With Lenin in our hearts. F.Shapovalov. Part.zhizn' Kazakh. 34 no.4:11-14 Ap '64.

GLUCOKINASE

Glucokinase activity in the skeletal muscles of chick embryos [with summary in English]. M.N.Portneva. Ukr.biokhim.zhur. 35 no.1:92-96 '63.

GLUCOSAMINE

Effect of γ-radiation on glucosamine. N.K.Kochetkov, L.I.Kudriashov, T.M.Senchenkova. Dokl.AN SSSR 154 no.3:642-645 Ja '64.

Enzymatic synthesis of glucosamine in the brain during hyperoxia [with summary in English]. Z.G.Bronovitskaia, Z.S.Gershenovich. Ukr.biokhim.zhur. 34 no.1:81-85 '62.

GLUCOSE

Permeability of the bacterial cell of Escherichia coli B to 2-deoxy-D-glucose [with summary in English]. V.N.Gershanovich. Biokhimiia 27 no.6:1023-1031 N-D '62.

Production of starch molasses and glucose sirups from corn. N.A.Arkhipovich, G.P.Voloshanenko. Trudy KTIPP no.27:66-68 '63.

GLUCOSE METABOLISM

Changes in glucose synthesis and its utilization by the rat organism under the effect of aminazine [with summary in English]. R.V.Chahovets', TS.M.Shtutman. Ukr.biokhim.zhur. 34 no.1:56-64 '62.

Characteristics of the glucose consumption by ascitic cancer cells in vivo. E.G.Gorozhanskaia, V.S.Shapot. Dokl.AN SSSR 155 no.4:947-949 Ap '64.

GLUCOSE OXIDASE

Industrial method of purification, the crystallization, and the properties of glucose oxidase from the fungus Penicillium vitale Pidopl. et Bilai [with summary in English]. M.F.Holyi, R.H.Dekhter. Ukr.biokhim.zhur. 34 no.1:137-145 '62.

On the interaction of glucose oxidase and the dehydrogenase of alpha-glycerophosphoric acid with tissue proteins and their hydrolysis products [with summary in English]. A.H.Seredn. Ukr.biokhim.zhur. 35 no.5:677-680 '63.

GLUCOSIDASE

Some data on the zymase and maltase activity in baker's yeasts. R.S.Bandirova, N.I.Bevzina, I.M.Beiles. Trudy KTIPP no.27:20-23 '63.

GLUCURONIC ACID

Cellulose oxidized by nitrogen peroxide. Part 3: Kinetics of dissolution of polyglucuronic acid in alkalies [with summary in English]. I.Rusznak, D.Levai. Vysokom.soed. 6 no.3:551-556 Mr '64.

GLUE

New technology for the production of bone glue in the Bryansk Packing House. D.I.Vitnik and others. Trudy VNIIMP no.15:70-84 '63.

GLUE—TESTING

Effect of ash content on the quality of hide glue. I.IA.Babich. Kozh.obuv.prom. 5 no.12:27 D '63.

GLUING

Koval'chuk, L.M., E.N.Baskakin, and A.N.Bebeshova. [Mechanized dovetail gluing of wood] Mekhanizirovannoe skleivanie drevesiny na zubchatyi ship. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 43 p. (Derevoobrabotka)

[MICROFILM]

GLUTAMIC ACID

Effect of glutamic acid on the amino acid structure of the blood serum in experimental tuberculosis [with summary in English]. M.A.Chertkova, Zh.Z.Kharakter. Vop.med.khim. 8 no.6:603-607 N-D '62.

Preparation of glutamic acid, acidol, and other valuable substances by the ion-exchange method from molasses and waste products of its processing. G.D.Atmaskanova and others. Izv.AN Kaz.SSR.Ser.est.i tekh.nauk 4 no.6:5-9 '63.

GLUTAMIC-OXALACETIC TRANSAMINASE

Study of glutamic-oxalacetic transaminase in Botkin's disease, chronic hepatitis and cirrhosis of the liver [with summaries in Tajik and English]. I.A.Lopatina. Trudy Inst.kraev.med.AN Tadzh.SSR no.1:108-117 '62.

GLUTAMINE

Effect of iproniazid on the metabolism of the glutamine amide group and protein amide groups in the rabbit brain [with summary in English]. IA.T.Tetiatska, A.V.Palladin, O.V.Pysarevych. Ukr.biokhim.zhur. 35 no.5:737-746 '63.

Glutamine metabolism enzymes in the heart muscle [with summary in English]. H.P.Trush. Ukr.biokhim.zhur. 35 no.5:713-727 '63.

GLUTARIC ACID

Acetylation of xylotrihydroxy glutaric acid. U.S.Bobov, IA.IA.Makarov-Zemlianskii. Nauch.trudy MTILP no.26:61-65 '62.

GLUTARIMIDE

Clinical experience with the use of new analeptics, bemegride (megimide) and ahypnon. N.A.Ervandova, E.P.Svadzhian. Eksper.khir.i anest. 8 no.4:77-81 Jl-Ag '63.

GLUTATHIONE

Depsipeptide analogs of biologically active peptides. Report No.1: Synthesis of depsipeptide analogs of ophthalmic acid and glutathione. L.A.Shchukina and others. Izv.AN SSSR.Ser.khim. no.4:685-692 Ap '64.

Effect of glutathione on the oxidation-reduction processes within the animal organism infected with gas gangrene. A.N.Alad'ina. Sbor.nauch.rab.IAr.med.inst. no.29:91-97 '59.

GLUTEN

Effect of D_2O on the physical properties of wheat gluten. V.L.Kretovich, A.B.Vakar. Dokl.AN SSSR 155 no.2:465-467 Mr '64.

Effect of the glycol [illegible]

GLYCERIC ACID

[illegible]

[illegible]

GLYCEROL

[illegible]

GLYCEROL—PHYSIOLOGICAL EFFECT

Changes in yeast cells after [illegible]

Effect of glycerol on the [illegible] epithelium of the cat [illegible]

GLYCEROPHOSPHATE DEHYDROGENASE

[illegible]

GLYCIDOL

[illegible]

Synthesis of [illegible]

GLYCINE

[illegible]

[illegible]

[illegible]

[illegible]

GLYCINE, EFFECT OF RADIATION ON

[illegible]

GLYCINE CRYSTALS

[illegible]

GLYCINE CRYSTALS—ELECTRIC PROPERTIES

Nature of the [illegible]

GLYCOGEN

Activity of [illegible] glycogenolytic enzymes in [illegible]

Comparative study of the effect of [illegible]

Cytochemistry of the blood glycogen [illegible]

Disorder of glycogen metabolism in muscles under the influence of therapeutic doses of [illegible]

Glycogen fractions in various divisions of the central nervous system [with summary in English]. [illegible]

Muscle glycogen [illegible]

GLYCOLIC ACID

Synthesis of glycol and glycolic acids. [illegible] and others. Izv.AN SSSR.Ser.khim. [illegible] Ap '64.

GLYCOLS

Problem of the preparation of acetylenic γ-glycols and some of their transformations. Report No.1: Synthesis of γ-glycols on the basis of 1-butyn-3-ol. M.F.Shostakovskii, V.M.Vlasov, A.A.Vasil'eva. Izv.AN SSSR. Ser.khim. no.4:696-698 Ap '64.

Solid state polyesterification. Part 1: Solid phase polyesterification of p-acetoxybenzoic acid and low-molecular weight products of condensation of dimethyl terephthalate and ethylene glycol [with summary in English]. A.I.Koretskaia, G.I.Kudriavtsev, A.A. Konkin. Vysokom.soed. 6 no.3:434-440 Mr '64.

GLYCOLYSIS

Change in the sensitivity of the infusorian Paramecium caudatum to respiration and glycolysis inhibitors as related to the age of the culture. K.A.Samoilova. Dokl. AN SSSR 155 no.3:670-672 Mr '64.

GLYCOPROTEINS

Blood serum glycoproteins in rheumatic children. V.P. Alferov. Pediatriia 42 no.9:87-88 S '63.

Different methods of determination of sialic acids entering into the composition of serum glycoproteins. A.A. Titaev and others. Lab.delo no.4:201-205 '64.

Lipo- and glycoproteins of the blood serum in various variants of the course of Botkin's disease in comparison with liver function tests and morphological changes in the liver [with summaries in Tajik and English]. I.D. Mansurova, V.I.Dronova, M.S.Panasenko. Trudy Inst. kraev.med. AN Tadzh.SSR no.1:87-107 '62.

GLYCOSIDES

Anthracene derivatives of Rheum palmatum var. tanguticum Maxim. Report No.3: Glycosides. A.S.Romanova, A.I.Ban'kovskii. Med.prom. 17 no.10:21-23 O '63.

Chalcone glycosides of Glycyrrhiza glabra L. V.I. Litvinenko. Dokl.AN SSSR 155 no.3:600-602 Mr '64.

Hydrolysis kinetics of some N-glycosides. B.N.Stepanenko, V.A.Ignatiuk-Maistrenko, M.G.Chentsova. Dokl. AN SSSR 154 no.3:650-653 Ja '64.

NMR spectra of genins from glycosides of Panax ginseng C.A.Mey. A.K.Dzizenko and others. Dokl.AN SSSR 156 no.1:92-94 My '64.

Seeds of Erysimum canescens Roth as a source of eryzimin. P.M.Loshkarev, Liu IUn-lun [Liu Yung-lung], L.F.Tiapkina. Med.prom. 17 no.10:38-41 O '63.

GLYCOSIDES, CARDIAC see Cardiac glycosides

GLYOXAL

Synthesis of glyoxal and glycolic acid. N.V.Kuznetsov and others. Izv.AN SSSR.Ser.khim. no.4:692-695 Ap '64.

GMYRIA, BORIS ROMANOVICH, 1903-

Mighty talent. L.Hlynsʹka. Mystetstvo 10 no.5:26 S-O '63.

GNEISS see subdivision under Altai Mountains

GNETALES

Remains of Chlamidosperma in Lower Carboniferous sediments. L.A.Koziar, K.I.Meier. Dokl.AN SSSR 155 no.3:589-591 Mr '64.

GOBIES

Mechanized packing of ropes of dragnets used in goby fisheries. E.G.Poliushkina. Ryb.khoz. 40 no.3:33-34 '64.

GOBRONIDZE, EVTIKHII GEORGIEVICH, 1903-

E.G.Gobronidze; on his 60th birthday. Zhur.nevr.i psikh. 64 no.1:150 '64.

GOITER

(see also subdivision under Leninogorsk District)

Asphyxia and its prevention in strumectomy. L.F. Cheremukhin, M.E.Rusonik, E.M.Palagin. Kaz.med. zhur. no.6:13-14 N-D '62.

Calcification and ossification in goiters. N.I.Pushkarev. Kaz.med.zhur. no.6:19-20 N-D '62.

Experience in surgery of the thyroid gland. Z.S.Akhtiamova. Kaz.med.zhur. no.6:7-9 N-D '62.

Heart and goiter. A.S.Efimov. Sbor.trud.GMI no.15: 67-91 '63.

Kolomiitseva, M.G., and I.I.Neimark. [Goiter and its prevention] Zob i ego profilaktika. Moskva, Medgiz, 1963. 206 p.
(DNLM)

Surgical treatment of goiter. I.I.Neimark. Kaz.med. zhur. no.6:3-7 N-D '62.

Surgical treatment of recurrent goiter. L.N.Kamardin. Kaz.med.zhur. no.6:14-16 N-D '62.

Thyrotoxic heart. IU.I.Kardakov, G.S.Aizen, M.T. Sal'tseva. Sbor.trud.GMI no.15:93-120 '63.

GOLD ALLOYS

Distribution of the alloying admixture of gold in germanium single crystals. V.G.Fomin and others. Kristallografiia 9 no.2:227-230 Mr-Ap '64.

GOLD ISOTOPES—THERAPEUTIC USE

Effect of the intraperitoneal administration of radioactive colloidal gold in the nucleus size of tumor cells in Ehrlich's ascitic carcinoma [with summary in English]. S.M.Volodarskaia. Med.rad. 8 no.5:20-23 My '63.

Radiation load of medical personnel working with Au^{139} granules in a neuro-oncological clinic [with summary in English]. A.A.Volkov and others. Med rad. 8 no.5:39-43 My '63.

Study of the state of mast cells in the tumor bed and pelvic cellular tissue in preoperative radiotherapy of cancer of the cervix uteri [with summary in English]. G.S. Kolesnikova. Med.rad. 8 no.5:3-9 My '63.

GOLDEN HORDE

Finds of Juji coins. G.A.Fedorov-Davydov. Num.i epig. 4:165-221 '63.

GOLDWATER, BARRY M., 1909-

Samarin, N.N. [Barry Goldwater, the sower of hatred] Barri Golduoter - seiatel' nenavisti. Moskva, Politizdat, 1964. 46 p. (Vot oni, "beshenye")

GOLODNAYA STEPPE—COTTON—IRRIGATION

Cotton sprinkler irrigation in salinized soils of the Golodnaya Steppe [with summaries in English, German, and French]. P.P.Moskal'tsov. Vest.sel'khoz.nauki 8 no.12:52-56 D '63.

GOLODNAYA STEPPE—COTTON GROWING

Results of designing cotton growing state farms in the Golodnaya Steppe. V.M.Metonidze. Biul.stroi.tekh. 20 no.11:45 N '63.

GOLODNAYA STEPPE—IRRIGATION

Establishment of the economic and technical foundations for irrigation and reclamation of the lands of the Golodnaya Steppe, 1956-1961. S.Sh.Kurbanov. Obshchestv. nauki v Uz. 8 no.1:18-24 '64.

GOLODNAYA STEPPE—STATE FARMS—DESIGN AND CONSTRUCTION

Results of designing cotton growing state farms in the Golodnaya Steppe. V.M.Metonidze. Biul.stroi.tekh. 20 no.11:45 N '63.

GOMEL'—GLASS FACTORIES—HYGIENIC ASPECTS

Sanitary working conditions for employees of the Gomel Glass Plant. L.E.Morozova. Zdrav.Bel. 9 no.6: 57-59 Je '63.

GOMEL' DISTRICT—PINE

Productivity of trees in an even-aged pine stand. F.N. Kharitonovich. Bot.; issl.Bel.otd.VBO no.5:120-127 '63.

GOMEL' PROVINCE—APPLES—VARIETIES

Varieties of Antonovka apple trees in Mogilev and Gomel' Provinces. A.N.Ipat'ev and others. Bot.; issl.Bel. otd.VBO no.5:44-49 '63.

GOMEL' PROVINCE—SOCIAL SCIENCES—STUDY AND TEACHING

At the social science departments of the institutes of higher learning. Komm.Bel. 38 no.4:77-78 Ap '64.

GONADOTROPIN

Effect of gonadotropin on the state and synthesis of DNA and on the intensity of cell division in the thymus of sexually immature rats. A.A.Beketova, A.M.Kuzin. Dokl.AN SSSR 155 no.4:978-980 Ap '64.

GONORRHEA

Health education work in gonorrhea control. E.K.Reznikov. Vest.derm.i ven. 37 no.5:55-59 My '63.

Some remarks on the article of Prof. I.M.Porudominskii, "Principles of treating gonorrhea." G.R.Robachevskii. Vest.derm.i ven. 37 no.5:49-51 My '63.

GOOSEBERRIES see subdivision under Siberia

GOOSEBERRIES—DISEASES AND PESTS

Plant lice of the genus Aphis L. found on currants and gooseberries. L.M.Gusynina. Trudy Biol.inst.Sib. otd.AN SSSR no.10:77-81 '63.

GORBATOV, ALEKSANDR VASIL'EVICH

Years and wars; recollections. A.V.Gorbatov. Nov. mir. 40 no.3:133-156 Mr '64.

GORBATOV, BORIS LEONT'EVICH, 1908-1954

Junior. A.Isbakh. V mire knig 3 no.7:46-47 Jl '63.

GORIZONTOV, PETR DMITRIEVICH, 1902-

Petr Dmitrievich Gorizontov; on the 60th anniversary of his birth. Zdrav.Kazakh. 22 no.10:77-78 '62.

GORKI LENINSKIYE—OAK

State of trees planted in clusters in Gorki Leninskiye. T.F.Zasiadnikov. Agrobiologiia no.5:783-784 S-O '63.

GORKII, MAKSIM, 1868-1931

A.M.Gorkii and the "History of the Putilov Works." R.IA.Okuneva. Ist.SSSR 8 no.2:241 Mr-Ap '64.

Grechnev, V.IA. [Genre of the literary portrait in M.Gorkii's works; his reminiscences of authors] Zhanr literaturnogo portreta v tvorchestve M.Gor'kogo; vospominaniia o pisateliakh. Moskva, Izd-vo "Nauka," 1964. 130 p.

Prozhogin, V.E. [M.Gor'kii: how he wrote, what he thought, and what he said about journalism] M.Gor'kii - kak on pisal, chto dumal i govoril o publitsistike. Moskva, Politizdat, 1964. 101 p. (Bibliotechka zhurnalista)

Vasil'ev, A.V. [Notes on the post-October work of A.M. Gor'kii] Zametki o posleoktiabr'skom tvorchestve A.M. Gor'kogo. Piatigorsk, Piatigorskii gos. pedagog. in-t, 1957. 268 p.
(MH)

GORKIY—APARTMENT HOUSES—AUDITING AND INSPECTION

There should be no "fires." P.Maksimov. Sov.profsoiuzy 20 no.8:22-23 Ap '64.

GORKIY—APARTMENT HOUSES—MAINTENANCE AND REPAIR

House preservation is our concern. A.Rumiantsev. Sov. profsoiuzy 20 no.8:26-27 Ap '64.

GORKIY—APARTMENT HOUSES, COOPERATIVE—DESIGN AND CONSTRUCTION

A cooperative settlement. A.Rozenberg. Sov.profsoiuzy 20 no.8:24-26 Ap '64.

GORKIY—DIESEL ENGINES

Skvortsov, N.V. [Output of diesel engines over and above the plan] Dizeli - sverkh plana. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1963. 27 p. (Novatory v bor'be za semiletku)

[MICROFILM]

GORKIY—HOUSING

How we distribute apartments. G.Chubarov. Sov.profsoiuzy 20 no.8:20-22 Ap '64.

GORKIY—PHYSICALLY HANDICAPPED—REHABILITATION

Learn from the Gorkiy automobile workers. M.Sharapov, N.Moiseev. Sots.obesp. 25 no.4:32-34 Ap '64.

GORKIY—SHIPBUILDING WORKERS

How we distribute apartments. G.Chubarov. Sov.profsoiuzy 20 no.8:20-22 Ap '64.

GORKIY—TRADE UNIONS

House preservation is our concern. A.Rumiantsev. Sov. profsoiuzy 20 no.8:26-27 Ap '64.

So that the worker would thank you. V.Bogatikov. Sov. profsoiuzy 20 no.8:20 Ap '64.

There should be no "fires." P.Maksimov. Sov.profsoiuzy 20 no.8:22-23 Ap '64.

GORKIY PROVINCE—CHERRY

Introduction and acclimatization of the cherry Cerasus tomentosa (Thunb.) Wall. in Gorkiy Province. I.P. Eliseev. Biul.Glav.bot.sada no.48:17-24 '63.

GORKIY PROVINCE—PLANT INTRODUCTION

Introduction and acclimatization of the cherry Cerasus tomentosa (Thunb.) Wall. in Gorkiy Province. I.P. Eliseev. Biul.Glav.bot.sada no.48:17-24 '63.

GORKIY PROVINCE—SWINE

How we analyze swine cost. M.Kolpashnikov. Den.i kred. 22 no.3:61-63 Mr '64.

GORNO-ALTAI AUTONOMOUS PROVINCE—NATIONAL PARKS AND RESERVES

Creation of a natural park in Gorno-Altai Autonomous Province. A.S.Kriukov. Okhr.prir.Sib.i Dal'.Vost. no.1:107-117 '62.

GORNO-BADAKHSHAN AUTONOMOUS PROVINCE—MANUSCRIPTS, ORIENTAL

The fifth Pamir expedition in quest of Oriental manuscripts. M.Bakoev. Nar.Az.i Afr. no.3:212 '64.

GORSHENIN, KONSTANTIN PAVLOVICH, 1888-

K.P.Gorshenin, recipient of the Lenin Prize. N.D. Gradoboev, G.V.Krylov. Okhr.prir.Sib.i Dal'.Vost. no.1:209-211 '62.

GOVERNMENT OWNERSHIP

Bourgeois state budget at the present-day stage of the general crisis of capitalism. B.Boldyrev. Fin.SSSR 38 no.4:66-74 Ap '64.

Korneev, S.M. [Law of state socialist property in the U.S.S.R.] Pravo gosudarstvennoi sotsialisticheskoi sobstvennosti v SSSR. [Moskva] Izd-vo Moskovskogo univ., 1964. 267 p.
(CSt-H)

GRADERS (EARTHMOVING MACHINERY)

New motor graders. Sbor.nauch.-tekh.inform. no.3: 40-41 '60.

GRADING AND MARKING (STUDENTS)

Two booklets by the same author. G.Shapochkina. Nar. obr. no.4:110-111 Ap '64.

GRAFFITI see subdivision under Donetsk; Smolensk

GRAFTING

Interspecific hybridization as a method for obtaining new high-yielding forms of sugar beets. A.F.Marinchik. Agrobiologiia no.5:691-699 S-O '63.

Producing tomato seeds of increased viability (heterotic) by grafting additional roots. I.N.Sagaidak. Agrobiologiia no.5:715-719 S-O '63.

Vegetative segregation in poplars and its characteristics. A.E.Vasil'ev. Biul.Glav.bot.sada no.48:68-72 '63.

GRAFTIO, GENRIKH OSIPOVICH, 1869-1949

Noteworthy dates in science and technology. Shkola i proizv. 9 no.3:94-96 Mr '64.

GRAIN

(see also subdivision under Izobil'noye District; Moscow region; Saratov Province; Ukraine; Virgin Territory)

Determining efficiency in the utilization of grain in its processing. D.N.Gavrichenkov. Izv.vys.ucheb.zav.; pishch.tekh. no.2:7-9 '64.

Frost resistance of winter grain crops in relation to age and the intensity of growth processes. T.T.Biglov. Izv.AN SSSR.Ser.biol. no.3:424-432 My-Je '64.

Good crops under any weather conditions. I.U.Leunov. Zemledelie 26 no.4:84 Ap '64.

Increase the production of grain. Zemledelie 26 no.4: 1-2 Ap '64.

Physiology of crop plants; problems of the Laboratory of Plant Physiology at the All-Union Institute of Plant Growing [with summary in English]. V.I.Razumov and others. Trudy po prikl.bot., gen.i sel. 33 no.2:10-31 '63.

Preserving during the winter period, plants of spring crops sown in early fall by late fall feeding with a sugar solution. O.T.Lysenko. Agrobiologiia no.5: 684-686 S-O '63.

Take care of grain, the great wealth of our country. Muk.-elev.prom. 29 no.10:1-2 O '63.

Theory of grain self-sorting as applied to gravity separators. G.IA.Berger. Izv.vys.ucheb.zav.; pishch. tekh. no.2:91-95 '64.

GRAIN—ANALYSIS AND CHEMISTRY

Needs of laboratories of grain receiving stations. V.Dorogush. Muk.-elev.prom. 29 no.10:31 O '63.

GRAIN—CLEANING

(see also subdivision under Saratov Province)

Air flow conditions in grain cleaning. G.V.Maiorov. Mekh.i elek.sots.sel'khoz. 22 no.1:54-55 '64.

Basic regularities of the working process of a cylinder cleaner. N.N.Viktorova, N.M.Ivlieva, V.A.Kubyshev. Trudy VNIIZ no.42:255-264 '63.

Distribution of grain on the sieve in an electrostatic field. V.N.Shmigel'. Mekh.i elek.sots.sel'khoz. 22 no.1:33-37 '64.

Effect of the direction of the oscillations of flat screens on the efficiency of screening. A.I.Taran. Trudy VNIIZ no.42:189-202 '63.

Effect of the movement of air through an oscillating sifter on the state of the "bed" of grain or its ground products. K.V.Drogalin. Trudy VNIIZ no.42:279-293 '63.

Effect of the parameters of a cylinder cleaner on the effectiveness of its performance. N.N.Viktorova, N.M.Ivlieva, V.A.Kubyshev. Trudy VNIIZ no.42: 245-253 '63.

Electric separation of grain mixtures. N.F.Olofinskii. Trudy VNIIZ no.42:167-176 '63.

Grain layer in an electrostatic field on a vibrating surface (screen) and the "orientation criterion." A.M. Basov, V.N.Shmigel'. Trudy VNIIZ no.42:203-211 '63.

High-speed vibration method for processing grain. A.I. Petrusov. Trudy VNIIZ no.42:57-61 '63.

nvestigating the operation of a cylinder cleaner with axial oscillations. V.F.Evdokimov. Trudy VNIIZ no.42:265-277 '63.

Principle of the action and results of investigating an experimental specimen of the grain cleaning part of a separator. A.A.Vainberg, L.I.Kotliar. Trudy VNIIZ no.42:213-230 '63.

esults of investigating the process of vibration screening in grain dressing. V.A.Perov. Trudy VNIIZ no.42: 319-325 '63.

me methods for increasing the efficiency of grain creens. A.I.Liubimov. Trudy VNIIZ no.42:231-38 '63.

me theoretical problems of the effect of vertical ibrations on a layer of grain and experimental investiations. R.N.Volik. Trudy VNIIZ no.42:77-90 '63.

dying the process of separating grain mixtures by a entrifuge. A.P.Slepov. Trudy VNIIZ no.42:239-244 3.

Theoretical principles underlying the vibration separation of grain mixtures. G.E.Listopad. Trudy VNIIZ no.42: 133-144 '63.

Theory and calculations of a vibrating screen for sorting seeds and other loose materials. P.M.Zaika. Trudy VNIIZ no.42:63-75 '63.

Vibration centrifuging of grain. A.F.Ul'ianov, A.I. Bochkarev, G.F.Kulakov. Trudy VNIIZ no.42:153-166 '63.

GRAIN—DISEASES AND PESTS

(see also subdivision under Saratov Province; Stavropol Territory)

Radioactive isotopes as means of controlling grain pests. G.Kramarenko, A.Keda. Muk.-elev.prom. 29 no.10: 14 O '63.

GRAIN—DRYING

Heating kinetics and calculation of grain drying in an upward gas flow. V.I.Kasper. Inzh.-fiz.zhur. 7 no.3:10-16 Mr '64.

GRAIN—ECONOMIC ASPECTS see subdivision under Novouzensk District

GRAIN—GRADING

Studying the working process on the SSP-1,5 pneumatic sorting table. M.V.Krechetova. Trudy VNIIZ no.42: 327-333 '63.

GRAIN—STORAGE

Let us effectively struggle against the pilfering of grain. A.Zhukov, I.Kaganovich. Sots.zakon. 40 no.12:5-9 D '63.

GRAIN—TRANSPORTATION see subdivision under Kazakhstan

GRAIN—WEIGHTS AND MEASURES

A new device for indicating the level of grain. I.F. Borodin, E.L.Kochetova. Elektrotekhnika 35 no.3: 29-31 Mr '64.

GRAIN ELEVATORS

Methodology for standardizing unit expenditures of electric power in grain receiving stations. P.P.IAstrebov, G.G.Kolodchka. Prom.energ. 19 no.4:2-4 Ap '64.

GRAIN HANDLING see subdivision under Donetsk Province

GRAIN HANDLING—CONGRESSES

Introduction. E.A.Zheleznlak. Trudy VNIIZ no.42:3-6 '63.

GRAIN-HANDLING MACHINERY

Brief news. Muk.-elev.prom. 29 no.10:22 O '63.

Length of the loading opening of a screw transporter. A.I.Obertyshev. Mekh.i elek.sots.sel'khoz. 22 no.1:56-57 '64.

Reliability of remote automatic control of machine operations at grain receiving and grain processing enterprises. A.Zhuravlev. Muk.-elev.prom. 29 no.10:9-10 O '63.

GRAIN-HANDLING MACHINERY—EXHIBITIONS

Exhibition of Means for the Automation of Operations at Grain Receiving and Grain Processing Enterprises. A.Blidman. Muk.-elev.prom. 29 no.10:11-13 O '63.

GRAIN-MILLING MACHINERY

Experiments in the use of the ZS roller mills. E.Soibel'man. Muk.-elev.prom. 29 no.10:31-32 O '63.

GRAIN-MILLING MACHINERY—EXHIBITIONS

Exhibition of Means for the Automation of Operations at Grain Receiving and Grain Processing Enterprises. A.Blidman. Muk.-elev.prom. 29 no.10:11-13 O '63.

GRAIN TRADE see subdivision under Novosibirsk Province

GRAMMAR, COMPARATIVE AND GENERAL

Interrelation of the morphemic structure of the word and word formation. M.A.Kumakhov. Vop.iaz. 12 no.6: 117-120 N-D '63.

GRANARIES—DESIGN AND CONSTRUCTION

Precast dismountable granary with a pneumatic structure frame. M.E.Averbakh, B.M.Nekrasov. Biul.stroi. tekh. 20 no.11:44 N '63.

Technical and economic comparison of granaries of various designs. A.Kulakovskii. Muk.-elev.prom. 29 no.10:23-27 O '63.

GRANARIES—DISINFECTION see subdivision under Armenia

GRANITE see subdivision under Indigirka Valley; Kamchatka; Kazakhstan; Khapcheranga region (Chita Province); Sayan Mountains; Sikhote-Alin' Range; Transbaikalia; Ukraine

GRANITE—ANALYSIS see subdivision under Kolyvan' Range

GRANULAR MATERIALS

Apparatus for measuring the density of loose rock samples consolidated by resin solutions. V.V.Davydov, I.I. IAshchenko. Nauch.soob.IGD 22:105-106 '63.

Effect of the size of granule carrier on the macroscopic distribution of platinum in adsorption catalysts [with summary in English]. A.N.Mal'tsev and others. Zhur. fiz.khim. 37 no.3:628-633 Mr '63.

Increasing the wear resistance of a granulated refractory clay used as a heat carrier. L.R.Strigina, K.G. Lavrent'ev, E.M.Breshchenko. Nefteper.i neftekhim. no.11:13-15 '63.

Process of mixing granular materials in an apparatus of continuous operation with a fluidized bed. A.G.Fomichev, V.D.Gvozdev. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:141-147 '64.

Technological mobility of a free-flowing substance as a factor determining the dynamics of the process of granulation by adhesion. P.A.Vecherskii. Trudy KTIPP no.27:133-142 '63.

GRANULAR MATERIALS—DRYING

Drying of free-flowing materials in a multisectional apparatus with fluidized beds. V.F.Frolov, P.G. Romankov, N.B.Rashkovskaia. Zhur.prikl.khim. 37 no.4:824-831 Ap '64.

GRANULOMA VENEREUM

Combined treatment of anorectal syndrome in the fourth venereal disease. V.D.TSend. Khirurgiia 39 no.6: 111-114 Je '63.

GRAPE BREEDING

Grape breeding in the U.S.S.R. S.A.Pogosian. Agrobiologiia no.5:780-790 S-O '63.

GRAPES

(see also subdivision under Vedi District)

Additional spraying in vineyards. V.N.Kornilova. Zashch.rast.ot vred.i bol. 9 no.4:19-21 '64.

Chanishvili, Sh.Sh. [Translocation of assimilates in grapevine] Peredvizhenie assimiliatov v vinogradnoi loze. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1964. 102 p.
(DNAL)

Formation of dormant buds in grapevines and their state in the tissues of many-year-old wood. Khr.Todorov. Agrobiologiia no.5:784-790 S-O '63.

Present status of the problem of the origin of grapes. I.T.Vasil'chenko. Bot.zhur. 49 no.4:487-502 Ap '64.

GRAPES—DISEASES AND PESTS

Causative agent of spotted necrosis of the grapevine in the Ukraine; Rhinocladiella vitis [with summary in English]. P.M.Shterenberg. Ukr.bot.zhur. 20 no.5: 46-56 '63.

GRAPES—VARIETIES

Some principal problems in the support and degeneration of new fruit, berry, and grape varieties. Istvan Tamassi. Agrobiologiia no.5:763-773 S-O '63.

GRAPHIC ARTS, UKRAINIAN—EXHIBITIONS

Thoughts about graphic arts and posters. L.Vladych. Mystetstvo 10 no.5:10-11 S-O '63.

GRAPHIC METHODS

Graphic method for the approximate estimation of correlation coefficients. G.V.Gruza. Trudy Sred.-Az. nauch.-issl.gidrometeor.inst. no.8:125-129 '63.

Graticule for the calculation of V_{zxxx} and V_{xzzz} for two-dimensional bodies of arbitrary cross section [with summary in English]. V.I.Starostenko. Dop.AN URSR no.4:484-487 '64.

New method of studying the 3nj-coefficients. A.Bandzaitis, A.Savukynas. Trudy AN Lit.SSR.Ser.B no.1:3-11 '63.

GRASS BREEDING

Results of the work with grasses at the Forage Department of the All-Union Institute of Plant Growing [with summary in English]. E.N.Sinskaia. Trudy po prikl.bot., gen.i sel. 33 no.2:183-195 '63.

GRASSES see subdivision under Krasnoyarsk Territory; Russia, Northwestern

GRAVEL

Controlling the quality and keeping records of crushed stone (gravel) and lime. Biul.stroi.tekh. 20 no.11: 27-29 N '63.

GRAVIMETRY

A simple method for approximate determination of the quantity of fibrinogen in the blood with the aid of the gravimetric method. I.I.Baronbaum. Lab.delo 8 no.7:24-25 Jl '62.

Solution of the direct and inverse gravimetric problems based on the second gradients of the force of gravity for an inclined step. I.A.Balabushevich. Geofiz.sbor. no.5:18-31 '63.

GRAVITATION

Characteristics of static solutions of gravity equations [with summary in English]. N. A. Dmitriev, S. A. Kholin. Vop. kosm. 9:254-262 '63.

Emission of gravitational waves by bodies moving in the field of a collapsing star. IA. B. Zel'dovich, I. D. Novikov. Dokl. AN SSSR 155 no. 5:1033-1036 Ap '64.

Gravitational waves and superstars. I. S. Shklovskii, N. S. Kardashev. Dokl. AN SSSR 155 no. 5:1039-1041 Ap '64.

On the true energy - momentum tensor of a gravitational field. B. N. Frolov. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:56-63 Mr-Ap '64.

Spinor formula for the gravitational field. G. A. Sokolik. Dokl. AN SSSR 154 no. 3:565-566 Ja '64.

Uniqueness and stability theorems of the inverse logarithmic potential method. IU. A. Shashkin. Mat. sbor. 63 no. 2:215-226 F '64.

GRAVITY

Gravity anomalies and temperature-dependent deformations of the earth. V. N. Zharkov. Izv. AN SSSR. Ser. geofiz. no. 4:441-455 Ap '64.

Interpretation of V_{xz} anomalies over three-dimensional bodies. A. A. IUn'kov. Geofiz. sbor. no. 5:49-59 '63.

IUn'kov, A. A. [Interpretation of magnetic and gravity anomalies over stratified beds] Interpretatsiia magnitnykh i gravitatsionnykh anomalii nad plastoobraznymi telami. Moskva, Gosgeoltekhizdat, 1963. 35 p. diagr. (insert)

Relation between the higher vertical derivatives of the gravity potential and the horizontal gradients of the force of gravity. V. I. Starostenko. Geofiz. sbor. no. 5: 38-48 '63.

Theory of the trial-and error method. V. N. Strakhov. Izv. AN SSSR. Ser. geofiz. no. 4:494-509 Ap '64.

GRAVITY—PHYSIOLOGICAL EFFECT

Morphological and histochemical studies on the labyrinth of animals under conditions of a changed gravitational field [with summary in English]. I. A. Vinnikov and others. Izv. AN SSSR. Ser. biol. no. 2:222-231 Mr-Ap '63.

GRAVITY ANOMALIES see subdivision under Dnieper Valley; Elbrus, Mount

GRAVITY PROSPECTING

(see also subdivision under Transbaikalia; Ural Mountains)

Efficient methods for gravity surveying on a 1:200,000 scale employing a helicopter and using barometric leveling under the conditions of the northeast of the U.S.S.R. V. S. Kiselev, E. M. Kastal'skii, A. V. Riabov. Sbor. luch. rats. predl. pt. 2:3-4 '63.

New methods for gravity surveying under the conditions of a dense forest. E. D. Kholodok and others. Sbor. luch. rats. predl. pt. 2:4-5 '63.

Relation between the singular points of the gravitational potential and the form of the disturbing masses. G. IA. Golizdra. Geofiz. sbor. no. 5:3-9 '63.

Solution of the direct and inverse gravimetric problems based on the second gradients of the force of gravity for an inclined step. I. A. Balabushevich. Geofiz. sbor. no. 5:18-31 '63.

GREAT BRITAIN—AGRICULTURE

British farm display. V. Krasnopol'skii. Nov. vrem. 21 no. 20:11 My '64.

GREAT BRITAIN—COMMERCE—COMMUNIST COUNTRIES

Lord Boyd-Orr for trade expansion between the East and the West. Vnesh. torg. 44 no. 4:55 '64.

GREAT BRITAIN—DESCRIPTION AND TRAVEL

Rogovoi, M. I. [Bombers over Brighton; notes of a tourist, stories, pamphlets] Bombovozy nad Braitonom; zametki turista, rasskazy, pamflety. Alma-Ata, Kazgosizdat, 1963. 170 p.
(MH)

GREAT BRITAIN—DIPLOMATIC AND CONSULAR SERVICE

Reform of the British foreign service and its social effect. V. F. Petrov. Vop. ist. 39 no. 5:68-77 My '64.

GREAT BRITAIN—EDUCATION

Urgent problems of British schools. E. Tarshis. Nar. obr. no. 4:103-104 Ap '64.

GREAT BRITAIN—FLUORESCENCE MICROSCOPY

Development of fluorescence microscopic studies in the laboratories of England. A. V. Zelenin. Izv. AN SSSR. Ser. biol. no. 2:308-315 Mr-Ap '63.

GREAT BRITAIN—FOREIGN RELATIONS—GERMANY, WEST

Sverdlov, G. M. [London and Bonn; English imperialism and the rearmament policy of the G. F. R., 1955-1963] London i Bonn; angliiskii imperializm i politika perevooruzheniia FRG (1955-1963 gg.). Predisl. akademika I. M. Maiskogo. Moskva, Izd-vo In-ta mezhdunar. otnoshenii, 1963. 239 p.

GREAT BRITAIN—HISTORY

Trukhanovskii, V. G. [An outline of England's most recent history; a textbook for teachers] Ocherki noveishei istorii Anglii; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 267 p.

GREAT BRITAIN—LABOR PARTY

Right-wing Laborites on Soviet foreign policy [with summary in English, pp. 221-222]. A. N. Krasil'nikov. Vop. ist. 39 no. 3:97-113 Mr '64.

GREAT BRITAIN—MOTION-PICTURE PLAYS

"This sporting life." M. Turovskaia. Isk. kino 34 no. 1: 129-133 '64.

GREAT BRITAIN—PATENTS

Foreign patents. E. Nemirovskii. Izobr. i rats. no. 3: 33 '64.

GREAT BRITAIN—POLITICS AND GOVERNMENT

Siamese twins and diplomacy. Vl. Petrov. Mezhdunar. zhizn' 11 no. 5:115-116 My '64.

GREAT BRITAIN—PRESTRESSED CONCRETE

Prestressed concrete cross tie factory in England. IU. V. Dmitriev. Transp. stroi. 13 no. 11:65-67 N '63.

GREAT BRITAIN—RAILROADS—TIES

Prestressed concrete cross tie factory in England. IU. V. Dmitriev. Transp. stroi. 13 no. 11:65-67 N '63.

GREAT BRITAIN—SHIP PROPULSION

Methods of increasing the maneuvrability of merchant ships. L. Bogdanov. Mor. flot 23 no. 12:43-44 D '63.

GREAT BRITAIN—SOCIAL LEGISLATION

A new interpretation of the social legislation in England. N. A. Erofeev. Vop. ist. 39 no. 5:202-203 My '64.

GREAT BRITAIN—STOCK AND STOCKBREEDING

Raising farm animals for meat in Canada and England. S. Dudin. Ekon. sel'khoz. 35 no. 3:104-114 Mr '64.

GREAT BRITAIN—TRADE UNIONS—CONGRESSES

Rebuff to the right wing opens way to advances. V. Underwood. Vsem. prof. dvizh. no. 11:9-12 N '63.

GREAT BRITAIN—TUDORS, 1485-1603

Was there a revolution at the time of the Tudors? B. A. Kamenetskii. Vop. ist. 39 no. 3:211-212 Mr '64.

GREECE—SLAVERY

Special features of the class struggle in the ancient world G. A. Koshelenko. Vop. ist. 39 no. 5:207-208 My '64.

GREECE—STRIKES AND LOCKOUTS

New violation of the right to strike. N. K. Vsem. prof. dvizh. no. 11:30 N '63.

GREEK LANGUAGE—NOUN

Description of Modern Greek noun forms by means of analysis and synthesis. T. V. TSiv'ian. Vop. iaz. 12 no. 6:57-66 N-D '63.

GREEN MANURING

(see also subdivision under White Russia)

Fertilizers in green manure crop rotation with potatoes [with summaries in English, German, and French]. IA. N. Burakov. Vest. sel'khoz. nauki 8 no. 12:15-17 D '63.

GREENHOUSE PLANTS—DISEASES AND PESTS

Methods of the inspection and prophylaxis of the Meloidogyne infection of greenhouse ornamental plants. V. F. Shmal'ko. Sbor. rab. po nemat. sel'khoz. rast. no. 5:46-56 '63.

GREENHOUSES—HEATING AND VENTILATION

Papatsenko, Kh. I. [Use of gas in greenhouse and hotbed gardening] Primenenie gaza v teplichno-parnikovom khoziaistve. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 44 p.

GREENLAND SEA—OCEANOGRAPHY

Polar hydrogeological front in the Greenland and Norwegian Seas. A. O. Shpaikher, B. N. Moretskii. Okeanologiia 4 no. 2:267-276 '64.

GREEN'S FUNCTIONS

Analytic properties of Green's function and the mass operator [with summary in English]. S. L. Ginzburg. Zhur. eksp. i teor. fiz. 46 no. 3:905-912 Mr '64.

Double-timed one-particle Green's functions for a nonideal Fermi system. I. B. Aleksandrov, IU. A. Kukarenko, A. V. Niukkanen. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:43-51 Mr-Ap '64.

GRIGNARD REAGENTS

Exchange reaction of β-chloroethylalkyl acetals with organomagnesium compounds. M. R. Kulibekov. Azerb. khim. zhur. no. 1:63-68 '64.

Preparation of R_2Zn-type organozinc compounds in the aromatic, heterocyclic, and aliphatic-aromatic series by means of the Grignard reagent. N. I. Sheverdina and others. Dokl. AN SSSR 155 no. 3:623-625 Mr '64.

GRIGOR'EV, ANDREI ALEKSANDROVICH, 1883-

A. A. Grigor'ev's studies and the paths of developing physical geography. M. I. Budyko. Izv. AN SSSR. Ser. geog. no. 2:6-11 Mr-Ap '64.

Celebration in honor of Academician A. A. Grigor'ev. D. L. Izv. AN SSSR. Ser. geog. no. 2:163-164 Mr-Ap '64.

Main trends in the scientific work of Academician A. A. Grigor'ev. I. P. Gerasimov. Izv. AN SSSR. Ser. geog. no. 2:3-5 Mr-Ap '64.

GRINDING AND POLISHING

Cast iron with bainite structure for making cylindrical pebbles. N. A. Voronova, S. A. Fedorova, N. T. Tkach. Trudy Giprotsement no. 26:54-62 '63.

Grinding cutters with spiral teeth on an universal grinding machine. A. I. Flomenblit. Mashinostroenie no. 2:68-69 Mr-Ap '64.

Polishing of polymethylmethacrylate by oxypropane flame. IU. A. Kalachev, N. I. Ivanov. Plast. massy no. 5:61 '64.

Replacing the involute by a circumference in grinding slotted shafts. V. V. Shvarts. Stan. i instr. 35 no. 4: 17-19 Ap '64.

GRINDING MACHINES

Classification of cylindrical pebbles in tube mills. V. V. Tkachev and others. Trudy Giprotsement no. 26:63-74 '63.

Study of grinding in a centrifugal rotary mill. V. V. Tovarov, G. N. Oskalenko. Trudy Giprotsement no. 26: 75-94 '63.

GRINDING MACHINES—ATTACHMENTS

Magnetic attachments for grinding machines. B. M. Malkin. Stan. i instr. 35 no. 4:31-33 Ap '64.

GRISEOFULVIN

Characteristics of the growth and development of Penicillium nigricans under conditions of submerged griseofulvin biosynthesis. L. E. Semkina, N. N. Mustafova, V. K. Grekova. Antibiotiki 8 no. 8:701-705 Ag '63.

GROCERY TRADE see subdivision under Moscow region

GRODNO—FERTILIZER PLANTS—DESIGN AND CONSTRUCTION

Labor victory of the Grodno builders. B. Kitsis. Ekon. stroi. no. 3:36-42 Mr '64.

GRODNO PROVINCE—AUDITING AND INSPECTION

We are trying to eliminate deficiencies. M. Sinsevich. Fin. SSSR 38 no. 3:58-59 Mr '64.

GROSS NATIONAL PRODUCT—CONGRESSES

Academic conference on the reproduction of the national product and national income in the Union Republics. V. Rutgaizer. Vop. ekon. no. 4:153-157 Ap '64.

Interrepublic Conference on the Reproduction of Social Product and National Income in the Union Republics. I. Tereshchenko. Ekon. Rad. Ukr. no. 2:116-119 Mr-Ap '64.

GROUPS, THEORY OF

Category-theoretic bases of the duality of radicalness and semisimplicity. A. Kh. Livshits. Sib. mat. zhur. 5 no. 2:319-336 Mr-Ap '64.

Certain classes of locally bicompact groups with maximum conditions for Abelian subgroups. V. S. Charin. Sib. mat. zhur. 5 no. 2:438-458 Mr-Ap '64.

A class of linear groups [with summary in English]. N. V. Diumin. Ukr. mat. zhur. 16 no. 1:3-12 '64.

Completely FN-factorizable groups. M. I. Sergeev. Dokl. AN SSSR 155 no. 3:532-534 Mr '64.

Conditions for the existence of an integral invariant of a transitive group. E. G. Ushakova. Uch. zap. KIIGU 115:149-152 '61.

Cross products of a semigroup and a simple ring. A. A. Bovdi. Sib. mat. zhur. 5 no. 2:465-467 Mr-Ap '64.

Effect of the π-properties of subgroups on the properties of a finite group. IA. G. Berkovich. Dokl. AN BSSR 8 no. 1:10-12 Ja '64.

Example of a ring group generated by Lie groups. G. I. Kats, V. G. Paliutkin. Ukr. mat. zhur. 16 no. 1:99-104 '64.

Galois connections in systems with external multiplication. M. M. Lesokhin. Izv. vys. ucheb. zav.; mat. no. 1: 84-86 '64.

Group classification of algebraic equations according to the properties of their roots. L. M. Markhashov. Prikl. mat. i mekh. 28 no. 2:221-231 Mr-Ap '64.

Group classification of equations describing one-dimensional unsteady gas flows. K. P. Surovikhin. Dokl. AN SSSR 156 no. 3:533-536 '64.

Groups decomposable into the uniform product of their p-subgroups. V. P. Shunkov. Dokl. AN SSSR 154 no. [illegible] 542-544 Ja '64.

GROUPS, THEORY OF (Continued)

Groups solvable generally and their group rings. D.M. Smirnov. Dokl.AN SSSR 155 no.3:535-537 Mr '64.

Nil-groups of finite rank. Chan Van Khao [Ch'ang Wang Hao]. Sib.mat.zhur. 5 no.2:459-464 Mr-Ap '64.

Projective mappings of semilattices. L.N.Shevrin. Dokl.AN SSSR 154 no.3:538-541 Ja '64.

Quasi-nilpotent groups. IA.G.Berkovich. Sib.mat.zhur. 5 no.2:240-252 Mr-Ap '64.

Quasi-nilpotent groups. Sh.S.Kemkhadze. Dokl.AN SSSR 155 no.5:1003-1005 Ap '64.

Representations of adele groups. I.M.Gel'fand, M.I. Graev, I.I.Piatetskii-Shapiro. Dokl.AN SSSR 156 no.3:487-490 '64.

Representations of finite groups over a ring of classes of subtractions modulo m. P.M.Gudivok, V.S.Drobotenko, A.I.Likhtman. Ukr.mat.zhur. 16 no.1:82-98 '64.

Representations of finite groups over certain local rings [with summary in English]. P.M.Hudyvok. Dop.AN URSR no.2:173-176 '64.

Symmetry of Clebsch - Gordan coefficients [with summary in English]. L.A.Shelepin. Zhur.eksp.i teor. fiz. 46 no.3:1033-1038 Mr '64.

Topological groups with bicompact classes of conjugate subgroups. V.I.Ushakov. Mat.sbor. 63 no.2:277-283 F '64.

Universal homotopic groups. F.V.Bauer. Dokl.AN SSSR 155 no.2:254-257 Mr '64.

GROUSE

Grouse alarm. P.P.Dudochkin. Nach.shkola 32 no.1:91 Ja '64.

GROUTING

Study of the process of the bituminization of water-bearing rock. B.P.Shreiber. Trudy TSNIIPodzemshakhtstroia no.2:71-82 '63.

GROWTH (PLANTS)

Duration of the stage of tillering and stalk formation in hard wheat samples of various geographical origins in Azerbaijan. I.D.Mustafaev, V.V.Emel'ianova. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:25-31 '63.

Effect of mineral fertilizers on the growth of oak. A.A. Molchanov. Les.khoz. 17 no.4:17-21 Ap '64.

Relationship between the needle bulk and the current annual increment of Siberian larch. A.G.Zyriaev. Les. khoz. 17 no.4:28-29 Ap '64.

Role of nucleic acids in the phenomena of plant growth. K.M.Sytnyk. Ukr.bot.zhur. 21 no.2:7-20 '64.

GROWTH INHIBITING SUBSTANCES

Inhibitory action of substances of plant origin on some endocrine functions. R.D.Vinzovskaia. Usp.sovr.biol. 56 no.2:265-273 S-O '63.

Mechanism of the action of natural plant growth inhibitors. V.I.Kefeli, R.Kh.Turetskaia. Usp.sovr.biol. 57 no.1:99-114 Ja-F '64.

GROWTH PROMOTING SUBSTANCES
(see also subdivision under Uman' District; Uzbekistan)

Effect of growth stimulants of petroleum origin on alfalfa yield. D.M.Guseinov, F.G.Isaeva. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:93-99 '63.

Efficient field crops growth stimulant from petroleum refining wastes. I.Kh.Arutiunov, A.I.Stolov, V.A. Lezhneva. Nefteper.i neftekhim. no.11:22-24 '63.

The fields and the farms are our laboratories. R.Dzhafarov. Sov.profsoiuzy 20 no.8:8-10 Ap '64.

Technology of oil growth promoting substances. M.G. Shakhi-Zade. Nefteper.i neftekhim. no.11:24-27 '63.

Use of microelements and growth promoting substances in pine nurseries. M.S.Shingarov. Bot.; issl.Bel. otd.VBO no.5:216-219 '63.

GROZNYY—PARAFFINS

Adopting a paraffin-distillate processing installation in the new paraffin shop of the Grozny Petroleum Lubricant Plant. S.I.Stepuro, N.F.Bogdanov, V.P.Gladyshev. Trudy GrozNII no.15:195-200 '63.

GUANIDINE

New determination of the atomic and electronic structure of dicyandiamide. Z.V.Zvonkova, V.IA.Krivnov, A.N. Khvatkina. Dokl.AN SSSR 155 no.2:398-401 Mr '64.

GUIDED MISSILE INDUSTRIES see subdivision under United States

GUILT (LAW)

To what extent does knowledge indicate guilt [with summary in English]. A.S.Gorelik. Vest.LGU 19 no.5:130-132 '64.

GULONIC ACID—PHOTOELECTRIC PROPERTIES

Improved methodology for determining ascorbic, dehydroascorbic and diketogulonic acids by A.N.Klimov's technique. S.B.Tagi-Zade. Lab.delo no.4:222-224 '64.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNPOWDER

Rate of burning of a model powder mixture in the diffusion region. B.V.Novozhilov. Zhur.fiz.khim. 36 no.11:2506-2511 N '62.

GURLEN DISTRICT—AGRICULTURAL WORKERS

Excellent results of Leninist friendship [in Uzbek with summary in Russian]. IA.Radzhabov. Obshchestv. nauki v Uz. 8 no.1:12-17 '64.

GUR'YEV—HORSEFLIES

Horseflies in Gur'yev. K.Amirgaziev. Paraz.sel'khoz. zhiv.Kazakh. 2:125-128 '63.

GUTNIKOV, BORIS, 1931-

Great artist. L.Raaben. Sov.muz. 27 no.11:80-82 N '63.

GUTTA-PERCHA

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 1: Obtaining various supermolecular structures during formation of gutta-percha films and study of their mechanical properties [with summary in English]. V.A.Kargin, T.I.Sogolova, L.I.Nadareishvili. Vysokom.soed. 6 no.1:165-169 Ja '64.

Effect of supermolecular structure on the mechanical properties of crystalline polymers. Part 2: Character of the spherolite structure breakdown and the mechanical properties of gutta-percha on repeated deformations of the films. [with summary in English]. V.A.Kargin, T.I.Sogolova, L.I.Nadareishvili. Vysokom.soed. 6 no.1:169-173 Ja '64.

GYMNASTICS

From the "greatest hero" to the champion of the world. V.Korol'kov. Sov.voin 44 no.22:42-43 N '62.

Vasil'kov, G.A. [Teaching gymnastics in grades 5-8; a manual for teachers] Prepodavanie gimnastiki v 5-8 klassakh; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 174 p.

GYMNASTICS—AUDIO-VISUAL AIDS

Examples of visual information for training gymnasts. A.M.Dikunov. Teor.i prak.fiz.kul't. 26 no.9:70-73 S '63.

GYNECOLOGY see subdivision under Ukraine

GYNECOLOGY—CONGRESSES

Sixtieth anniversary of the First Congress of Russian Obstetricians and Gynecologists (1903-1963). A.N. Preisman. Zdrav.Turk. 7 no.12:35-38 D '63.

GYPSOPHILA see subdivision under Turkmenistan

GYPSUM
(see also subdivision under Poland)

Binding materials from gypsum-bearing rocks. P.P. Stupachenko. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:81-86 '63.

Effect of gypsum on the strength of silicate products. N.Dzhabarov, V.Zlatanov. Stroi.mat. 9 no.8:10-40 Ag '63.

Kuvykin, A.S., G.N.Gel'fman, and E.A.Lebedev. [Using high-strength gypsum in drilling] Primenenie vysokoprochnogo gipsa v burenii. Moskva, Nedra, 1964. 122 p.

Rolled gypsum panels in prefabricated room units. B.Gladyshev and others. Stroi.i arkhit. 11 no.10:12-13 O '63.

Seminar on the use of gypsum in construction. S.S. Pechuro. Stroi.mat. 9 no.8:34-35 Ag '63.

GYPSUM PRODUCTS

Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'nykh materialov i izdelii. [Sand-lime and gypsum materials and products] Silikatnye i gipsovye materialy i izdeliia. Kiev, Gosstroiizdat USSR, 1964. 104 p.

Gypsum concrete stair railing. N.Chmykhalo. Stroi.i arkhit. 11 no.10:34-35 O '63.

Requirements of industrial construction and the gypsum industry. A.V.Volzhenskii, S.S.Pechuro. Stroi.mat. 10 no.1:15-16 Ja '64.

GYROCOMPASS

Accuracy of a "Kurs"-type gyrocompass corrector. V.K. Perfil'ev. Sudovozhdenie no.3:45-52 '63.

Influence of a ship's repeated maneuvers on the gyrocompass. E.L.Smirnov, M.E.Ilinikov, V.G. Filipchenko. Sudovozhdenie no.3:53-64 '63.

GYROSCOPE

Nikolai, E.L. [Gyroscope in gimbals] Giroskop v kardanovom podvese. Izd.2. S predisloviem A.IU. Ishlinskogo i s dopolneniiami D.M. Klimova. Moskva, Izd-vo "Nauka," 1964. 136 p.

Using Rezal's theorem in determining dynamic drift of a gyroscope in gimbals. S.A.Kharlamov. Izv.AN SSSR. Mekh.i mashinostr. no.2:50-60 Mr-Ap '64.

GYROSCOPIC INSTRUMENTS

Inertia-type locomotive with gyrofly wheel. M.S.Blaster. Shakht.stroi. 7 no.12:16-17 D '63.

Integrating equations of the [illegible] pendulum in [illegible] V.F. [illegible] [illegible]

HAAPSALU—ARCHAEOLOGICAL MUSEUMS AND COLLECTIONS

Haapsalu. Rajoonidevaheline koduloomuuseum. [Haapsalu museum] Haapsalu [illegible] 1963. 62 p. [In Estonian and Russian]
(MIRA [illegible])

HAECKEL, ERNST HEINRICH PHILIPP A[illegible] 1919

[illegible]

HAEMONCHUS see subdivision under Azerbaijan

HAIL
(see also subdivision under [illegible])

[illegible]

[illegible]

HALENKO, IOSYP OPANASOVYCH

Chistoleysetal', Stepan. [illegible] [illegible] 1963. 64 p. [illegible]
(MIRA [illegible])

HALIDES

[illegible]

HALL EFFECT

[illegible]

[illegible]

Theory of the Hall effect in [illegible]

HALLUCINATIONS AND ILLUSIONS

[illegible]

[illegible]

[illegible]

[illegible]

HALOGENATION

Halogenation of [illegible]

HALOGENS

Probability of halogen [illegible]

Role of halogens in the formation and [illegible]

HAMBURG—DESCRIPTION

Journey beyond the Elbe [illegible] Nov.vrem. 21 no.[illegible] My '63.

HAND WEAVING see subdivision under Ukraine, [illegible]

HANDRAILING

Gypsum concrete stair railing. N.Chmykhalo. Stroi.i arkhit. 11 no.10:34-35 O '63.

HANKA, VÁCLAV, 1791-1861

On the book "Origin of the [illegible] language of the [illegible]" by Václav Hanka, on the [illegible] anniversary of the [illegible] of Hanka. P.P. [illegible] Pratsi Od. [illegible] filol.nauk no.13:229-235 '62.

HARBORS

Expand the rights and increase the effectiveness of the "Transflot" agency. A. [illegible] Mor.flot 23 no.12:14-15 D '63.

Modernize fueling stations in harbors. P. [illegible], A.Mikheev. Mor.flot 23 no.12:16-17 D '63.

HARBORS—EQUIPMENT AND SUPPLIES

Terent'ev, A.V. [Overall mechanization of fishing harbors] Kompleksnaia mekhanizatsiia rybnykh portov. Moskva, Rybnoe khoziaistvo, 1963. [illegible] p.

HARD FACING

Alloying wear-resistant tungsten hard facing with the help of a scheelite concentrate. K.Z.Zairov. Svar. proizv. no.11:21-23 N '63.

Automatic hard facing under flux of high chromium steel with a powder strip electrode. P.S.Turkin. Svar. proizv. no.11:13-15 N '63.

Hardening in obtaining acetylene from hydrocarbon raw materials. A.S.Lapidus. Nefteper.i neftekhim. no.11: 31-35 '63.

HARD FACING—EQUIPMENT AND SUPPLIES

Equipment for the automatic hard facing of cylindrical parts. A.S.Krylovetskii. Svar.proizv. no.11:34 N '63.

HARDBOARD

Promote the introduction of boards made of wood particles, wood fibers and of cabinet boards into the furniture industry. S.Sekoian. Prom.Arm. 7 no.3:15-16 Mr '64.

"Ramzalit" particle-fiber boards. N.V.Numerov. Stroi.mat. 10 no.4:2-4 Ap '64.

HARDWOODS

Use of hardwood in the manufacture of sulfate pulp for paper used in the electrical industry. O.V.Viatkina, D.G.Viatkin. Bum.prom. no.1:7-9 Ja '64.

HARELIP

Causes of residual deformations following operations on congenital cleft of the upper lip and methods of their elimination. M.P.Oskolkova. Trudy TSIU 64:91-96 '63.

"Harelip" (congenital cleft of the upper lip). N.M.Mikhel'son. Trudy TSIU 64:87-90 '63.

Residual deformities of the nose and upper lip following surgery of bilateral congenital clefts of the upper lip. M.P.Oskolkova. Zdrav.Kazakh. 23 no.4:15-18 '63.

Time factor in operative interventions in residual deformations of the upper lip and nose following operations on congenital cleft of the upper lip. M.P.Oskolkova. Trudy TSIU 64:97-100 '63.

HARMONIC ANALYSIS

Concerning a theorem of harmonic synthesis and its application in the calculation of transients in linear circuits. V.G.Osipenko. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:283-284 '64.

Some errors of spectrum analyzers with preliminary magnetic recording. N.F.Vollerner, V.G.Kriksunov, R.M.Tereshchuk. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:81-84 Ja-F '64.

Use of the method of harmonic analysis in determining the size of mosaic blocks and microdislocations in 40X steel in fatigue tests. M.M.Koniuk. Izv.AN Kir.SSR. Ser.est.i tekh.nauk 5 no.6:111-117 '63.

HARMONIC FUNCTIONS

Analytic method for dividing anomalies. N.K.Stupak. Geofiz.sbor. no.5:60-65 '63.

Approximate solution of the Dirichlet problem for Laplace's equation. IA.M.Zhileikin. Dokl.AN SSSR 155 no.5:999-1002 Ap '64.

Approximation of continuous functions by harmonic functions. A.A.Gonchar. Dokl.AN SSSR 154 no.3:503-506 Ja '64.

Particular case of the directional derivative problem for harmonic functions in three-dimensional regions. A.V. Bitsadze. Dokl.AN SSSR 155 no.4:730-731 Ap '64.

Phragmén - Lendelöf type theorem for harmonic functions in space. E.D.Solomentsev. Dokl.AN SSSR 155 no.4:705-706 Ap '64.

HARMONY

Nezvanov, B.A., and A.N.Lashchenkova. [A chrestomathy of aural harmonic analysis; a manual on a solfeggio course for music schools] Khrestomatiia po slukhovomu garmonicheskomu analizu; posobie po kursu sol'fedzhio dlia muzykal'nykh uchilishch. Pod red. A.L. Ostrovskogo. Leningrad, Izd-vo "Muzyka," 1964. 219 p.

HARVESTING—RESEARCH

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Physical and mechanical properties of soils and plants; collection of works of the All-Union Scientific Research Institute of Agricultural Machinery] Fiziko-mekhanicheskie svoistva pochvy i rastenii; sbornik trudov VISKhOM. Moskva, 1963. 146 p.
[DNAL MICROFILM]

HAVANA—CITY PLANNING

New district in the capital of Cuba. Stroi.i arkhit. 11 no.10:38-39 O '63.

HAY—HARVESTING

Machine for the production of hay meal. F.D.Panasenko. Mekh.sil'.hosp. 13 no.10:27-28 O '62.

HEADACHE

Dolgopiatov, G.IA. [Headache] Golovnaia bol'. Moskva, Izd-vo "Znanie," 1964. 31 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no.6)

HEALTH EDUCATION

Health education work in gonorrhea control. E.K.Reznikov. Vest.derm.i ven. 37 no.5:55-59 My '63.

Improve hygiene. E.Vasil'eva. Bibliotekar' no.5:51-53 My '64.

HEALTH RESORTS, WATERING PLACES, ETC.

(see also subdivision under Adzharistan; Caucasus, Northern; Estonia; Gagra, Georgia; Georgia; Kiev region; Kislovodsk; Kobuleti, Adzharistan; Kyyalyk, Cape of; Lyuben' Velikiy; Mendzhi, Georgia; Omsk Province; Pyatigorsk; Semipalatinsk Province; Sukhum; Tsemi, Abkhazia; Tskhaltubo, Georgia; Ukraine)

Compound health resort treatment in the restorative and residual periods of poliomyelitis in children. E.S. Dotsenko. Ortop.,travm.i protez. 24 no.10:30-35 O '63.

New problems in the planning of health resorts in connection with standard planning and centralization of service. S.I.Pitskhelauri. Trudy GPI [Gruz.] no.4:129-135 '63.

Review of the book "Health resorts of the U.S.S.R." R.S.Sagatov, V.M.Faibushevich. Sov.zdrav. 22 no.8:88-89 '63.

Sanatorium and health resort treatment of stenocardia. N.I.Speranskii. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:193-198 My-Je '63.

Scientific conference dedicated to the 125th anniversary of the Druskininkai Health Resort. H.Guobis, T.Kairiukstis, E.Sasnauskaite. Vop.kur.,fizioter.i lech.fiz. kul't. 28 no.3:281-285 My-Je '63.

HEARING

Abstract of H.E.Huizing's book "Bone conduction; the influence of the middle ear" [in Dutch]. B.IA.Limar. Zhur.ush.,nos.i gorl.bol. 23 no.6:88-90 N-D '63.

HEART

Effect of aphyllic acid on the transmission of impulses from the vagus nerve to the heart. V.A.Konovalova. Nauch.trudy SamMI 21:205-207 '62.

Effect of caffeine on the cardiac activity of frogs following administration of ACTH. V.N.Morozov. Nauch.trudy Riaz.med.inst. 15:69-71 '62.

HEART—DISEASES

Defects of the septum atriorum. E.Husfeldt, H.K.Engel, E.Arifred. Khirurgiia no.1:5-12 '63.

Experience in the surgical therapy of congenital heart defects. IU.M.Briakin, A.K.Izmukhanov. Zdrav. Kazakh. 23 no.4:6-10 '63.

Heart and goiter. A.S.Efimov. Sbor.trud.GMI no.15: 57-91 '63.

Heart during apathological climacteric in women. R.G. Lur'e, G.S.Aizen, Z.M.Parakhoniak. Sbor.trud.GMI no.15:145-169 '63.

Heart in diabetes mellitus. E.P.Kamysheva, G.S. Aizen, Z.M.Parokhoniak. Sbor.trud.GMI no.15:121-143 '63.

Heart in neuroendocrine disorders. V.G.Vogralik. Sbor.trud.GMI no.15:3-22 '63.

Heart in neuroses. N.V.Levenkov. Sbor.trud.GMI no.15:23-55 '63.

Thyrotoxic heart. IU.I.Kardakov, G.S.Aizen, M.T. Sal'tseva. Sbor.trud.GMI no.15:93-120 '63.

HEART—HYPERTROPHY AND DILATATION

Effect of an agent injuring the chromosomal DNA on the development of compensatory hypertrophy of the heart. A.G.Bazardzhian, E.M.Leikina, K.K.Antipova. Dokl. AN SSSR 155 no.3:686-687 Mr '64.

Incorporation of labelled amino acids into the total proteins and proteins of myocardial nuclei in compensated hyperfunction and hypertrophy of the heart [with summary in English]. F.Z.Meerson, A.V.Pogosova. Vop.med.khim. 8 no.6:621-624 N-D '62.

HEART—INFARCTION

Case of myocardial infarct during surgery. M.A.Aliev and others. Zdrav.Kazakh. 23 no.4:73-74 '63.

Experimental myocardial infarct in animals of various ages. L.V.Kostiuk. Vest.AMN SSSR 18 no.2:77-84 '63.

HEART—INNERVATION

Age characteristics of the oculocardiac reflex. E.N. Kostrubina. Uch.zap.Orlov.gos.ped.inst. 18:101-110 '63.

Change in the inhibitive effect of the vagus nerve on the heart under the influence of caffeine. A.P.Dvoinina. Nauch.trudy Riaz.med.inst. 15:17-19 '62.

Change in the oculocardiac reflex in people under the influence of caffeine. L.A.Dvoinin and others. Nauch. trudy Riaz.med.inst. 15:15-17 '62.

Heart in neuroendocrine disorders. V.G.Vogralik. Sbor.trud.GMI no.15:3-22 '63.

Mutual overlap of impulse effects of different extracardial effector pathways in the intracardial nervous system. G.N.Kopylova. Nauch.dokl.vys.shkoly; biol.nauki no.2:66-71 '64.

Pathomorphology of the receptor apparatus of the heart and the aortal arch in acute experimental radiation sickness in dogs. G.M.Nikolaev. Sbor.nauch.rab.IAr. med.inst. no.18:160-172 '59.

Realization of the negative chronotropic vagal effect in compensatory cardiac hyperfunction. V.I.Kapel'ko. Dokl.AN SSSR 155 no.3:715-718 Mr '64.

Right Pavlovis cardiac nerve in dogs [with summary in English]. I.M.Shvetsov. Arkh.anat.,gist.i embr. 43 no.12:59-65 D '62.

HEART—MUSCLE

Characteristics of glycolytic oxidation-reduction in myocardial extracts [with summary in English]. S.E. Severin, L.A.TSeitlin. Vop.med.khim. 8 no.6:611-616 N-D '62.

Correlation in the intensity of synthesis and the breakdown of protein in the myocardium in heart hyperfunction. F.Z.Meerson and others. Dokl.AN SSSR 154 no.3:738-741 Ja '64.

Glutamine metabolism enzymes in the heart muscle [with summary in English]. H.P.Trush. Ukr.biokhim. zhur. 35 no.5:713-727 '63.

Relation between the electrophysiological and histochemical indices of excitation wave spreading over the myocardium. G.Bekmukhamedov. Dokl.AN SSSR 154 no.3:735-737 Ja '64.

Structural proteins of the cardiac muscle [with summary in English]. T.P.Serebrenikova. Biokhimiia 27 no.6: 977-983 N-D '62.

HEART—NECROSIS

Arkhmeteli, G.S. [Materials on the pathogenesis of myocardial necroses] Materialy k patogenezu nekrozov miokarda. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1963. 100 p.
(DNLM)

HEART—SOUNDS

Changes in the phonocardiogram in patients with mitral stenosis in relation to the stage of the disease. A.S. Blagosklonov. Nauch.trudy Riaz.med.inst. 14:195-201 '63.

HEART—SURGERY

Anesthesia in various methods for removing isolated stenosis of the pulmonary artery. G.A.Riabov, V.I. Pipiia, E.D.Nisnevich. Eksper.khir.i anest. 8 no.4: 59-62 Jl-Ag '63.

Case of myocardial infarct during surgery. M.A.Aliev and others. Zdrav.Kazakh. 23 no.4:73-74 '63.

Causes of unsuccessful surgery and results of thoracotomy in tetralogy of Fallot. N.K.Galankin, G.T.Maliavin. Eksper.khir.i anest. 8 no.4:37-41 Jl-Ag '63.

Defects of the septum atriorum. E.Husfeldt, H.K.Engel, E.Arifred. Khirurgiia no.1:5-12 '63.

Electroencephalography in surgery on the heart and great vessels under anesthesia by the Shane-Ashman method. N.G.Roslavleva. Eksper.khir.i anest. 8 no.4:62-65 Jl-Ag '63.

Experience in the surgical therapy of congenital heart defects. IU.M.Briakin, A.K.Izmukhanov. Zdrav. Kazakh. 23 no.4:6-10 '63.

Open-heart surgery with selective cerebral hypothermia. P.K.Sen and others. Eksper.khir.i anest. 8 no.4:55-59 Jl-Ag '63.

Surgical treatment of a patent ductus arteriosus complicated by pulmonary hypertension. M.V.Murav'ev and others. Khirurgiia no.1:12-18 '63.

Use of analgesics in surgery for acquired heart diseases. A.S.Dobronravov. Eksper.khir.i anest. 8 no.4:72-75 Jl-Ag '63.

HEART—WOUNDS AND INJURIES

Case report on incised penetrating wounds of the heart. V.I.Kazakov. Khirurgiia no.1:120-121 '63.

HEARTBEAT

Relation between the electrophysiological and histochemical indices of excitation wave spreading over the myocardium. G.Bekmukhamedov. Dokl.AN SSSR 154 no.3:735-737 Ja '64.

HEAT—CONDUCTION

Calculating the heating of an infinite two-layer plate. A.A.Kobylianskii. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:105-111 '64.

Use of a digital computer in determining the heat conductivity coefficient of solid materials. V.V.Vlasov. Inzh.-fiz.zhur. 7 no.3:34-41 Mr '64.

Use of electronic heating in determining the heat conductivity coefficient of high-melting alloys and compounds. D.L.Timrot, V.E.Peletskii. Teplofiz.vys. temp. 1 no.2:168-172 S-O '63.

HEAT—CONVECTION

Investigating the convective component of heat exchange in open-hearth furnace hearths. I.B.Gol'denberg. Izv. vys.ucheb.zav.; chern.met. 7 no.5:157-163 '64.

HEAT—PHYSIOLOGICAL EFFECT

Combined action of thiol poisons and high atmospheric temperature on the body. G.Kh.Shakhbazian, I.V. Savitskii. Vest.AMN SSSR 18 no.2:38-42 '63.

Effect of overheating on the developing brain. P.R.Kucherenko. Dokl.AN SSSR 156 no.1:230-232 My '64.

Resistance of actomyosin in the myocardium and skeletal muscles to the denaturing effect of heat, ethyl alcohol and urea. A.D.Braun, N.M.Nesvetaeva, N.V. Fizhenko. TSitologiia 5 no.3:335-338 My-Je '63.

HEAT—RADIATION AND ABSORPTION

Theoretical principles of the zonal calculation of radiant heat exchange in industrial furnaces. IU.A.Surinov. Izv.vys.ucheb.zav.: chern.met. 7 no.5:164-169 '64.

Thermal conditions of a heat receiver in recording the radiation from weakly heated bodies. A.G.Zhukov, G.I.Rukman. Prib.i tekh.eksp. 9 no.2:138-141 Mr-Ap '64.

HEAT—TRANSMISSION

Calculation of heat losses due to heat transfer in an underground gas generator. E.A.Sidorov. Nauch.trudy VNIIPodzemgaza no.10:24-32 '63.

Contact heat transfer between plane metallic surfaces. I.T.Shvets, E.P.Dyban. Inzh.-fiz.zhur. 7 no.3:3-9 Mr '64.

Criterion equation for the thermal design of massecuite crystallizers with cooling. I.S.Gulyi, V.D.Popov. Trudy KTIPP no.27:86-90 '63.

Deterioration of heat transfer conditions at supercritical pressures. M.E.Shitsman. Teplofiz.vys.temp. 1 no.2:267-275 S-O '63.

Determining the duration and speed of the thermal processing of meat products. Thermophysical bases of the process. A.Peleev. Mias.ind.SSSR 34 no.6:43-50 '63.

Determining the indices for a criterional equation when there is insufficient amount of experimental data. L.S.Abramzon, S.G.Edigarov. Transp.i khran.nefti i nefteprod. no.3:3-5 '64.

Diagrams of the heat exchange in the evaporator for molasses stillage. S.M.Konstantinov. Izv.vys.ucheb.zav.; pishch.tekh. no.2:114-116 '64.

Effect of the rate of the sugar juice motion on the thermal resistance of the deposits and on the heat transfer during heating. N.IU.Tobilevich and others. Izv.vys.ucheb.zav.; pishch.tekh. no.2:106-109 '64.

Experimental study of heat transfer in critical boiling. V.N.Smolin, V.K. Poliakov, V.I.Esikov. Atom.energ. 16 no.5:417-423 My '64.

Experimental study of local heat transfer in the entrance section between parallel plates. J.Ziugzda, A.Zukauskas. Trudy AN Lit.SSR.Ser.B no.1:117-124 '63.

Gas motion with friction and heat transfer in a channel of uniform cross section. N.M.Belianin. Inzh.-fiz.zhur. 7 no.3:32-35 Mr '64.

Heat exchange and circulation in the boiling of high-concentration sugar solutions. I.I.Sagan'. Izv.vys.ucheb.zav.; pishch.tekh. no.2:127-128 '64.

Heat transfer in transverse flow past a bank of tubes. V.I.Subbotin, V.E.Minashin, E.I.Deniskin. Teplofiz.vys.temp. 1 no.2:238-246 S-O '63.

Heat transfer with boiling carbon dioxide at near-critical pressures. V.P.Skripov, G.P.Nikolaev. Izv.vys.ucheb.zav.; energ. 7 no.4:66-71 Ap '64.

Improvement of the criterion equation of the heat transfer in the boiling of massecuite. E.A.Neduzhko. Izv.vys.ucheb.zav.; pishch.tekh. no.2:125-126 '64.

Investigating the burner flame in an open-hearth furnace by an improved method of full radiation. A.I.Chernogolov and others. Stal' 23 no.3:276-279 Mr '64.

Local heat transfer during gas flow in tubes at high temperature heads. V.V.Kirillov, IU.S.Maliugin. Teplofiz.vys.temp. 1 no.2:254-258 S-O '63.

A nonsteady-state problem in the theory of thermal conductivity for a solid cylinder. S.M.Kotliar. Izv.vys.ucheb.zav.; energ. 7 no.4:72-74 Ap '64.

Periodic heating of a fluid through plates. M.D.Mikhailov. Inzh.-fiz.zhur. 7 no.3:64-67 Mr '64.

Problems of the experimental determination of thermal and physical coefficients using self-similating techniques. K.G.Omel'cheko. Izv.AN SSSR.Energ.i transp. no.2:244-247 Mr-Ap '64.

Relation between heat and mass transfer during massecuite cooling in crystallizers. I.A.Belokon', I.S.Gulyi. Trudy KTIPP no.27:90-96 '63.

Solution of problems on transient heat transmission using an automatic digital computer. B.A.Arkad'ev, G.G.Khlivniak, G.N.Shatrovskaia. Energomashinostroenie 9 no.3:12-15 Mr '63.

Shale distillation generators with transverse heat-carrier flow. V.M.Efimov, S.K.Doilov. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:120-134 '62.

Temperature conditions of oil shale gas generators with a central heat carrier inlet. P.IU.Piller. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:135-139 '62.

Thermal-similarity criterion in the motion of viscoplastic fluids. B.I.Es'man, S.M.Kuliev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:87-89 '63.

Two-way heat exchangers in the annular space. V.M.Shmerkovich, G.A.Margolin. Mash.i neft.obor. no.3:7-9 '64.

Use of variational methods in calculating heat transmission processes. K.D.Voskresenskii, E.S.Turilina. Teploenergetika 11 no.1:82-85 Ja '64.

HEAT CAPACITY

True heat capacity of various sodium phosphates. M.E.Levina. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:7-9 '64.

HEAT ENGINEERING

Main trends in the present-day development of thermal electric power. S.V.Bal'ian. Sbor.nauch.trud.LISI no.22:25-34 '55.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref.zhur.: Teploenerg. nos.5-6 My-Je '64.

HEAT EXCHANGERS

Heat transfer and resistance of longitudinally ribbed pipes. N.P.Klitin, V.A.Likshin. Teploenergetika 11 no.5:79-83 My '64.

Path resistance of a condensing steam flow in a vertical pipe. V.T.Buglaev. Izv.vys.ucheb.zav.; energ. 7 no.1:76-79 Ja '64.

Tarasov, F.M. [Thin-layer heat exchangers] Tonkosloinye teploobmennye apparaty. Moskva, Izd-vo "Mashinostroenie," 1964. 362 p.

Use of radiators in boiling and condensing liquids in tubes. B.A.Minkus and others. Izv.vys.ucheb.zav.; energ. 7 no.4:104-108 Ap '64.

HEAT OF ADSORPTION

Adsorption and heat of adsorption of various vapors on a trimethylsilylized aerosil surface [with summary in English]. I.IU.Babkin, A.V.Kiselev. Zhur.fiz.khim. 36 no.11:2448-2456 N '62.

HEAT OF COMBUSTION

Heat balance of the process of continuous coking of Tkibuli coals. P.N.Dzhaparidze, N.Sh.Dzhidzheishvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:91-112 '63.

HEAT OF EVAPORATION

Specific heat of evaporation of moisture from starch and gelatin [with summary in English]. V.M.Kazans'kyi. Dop.AN URSR no.2:226-228 '64.

HEAT OF FORMATION

Heat of formation of cadmium selenite. N.M.Selivanova, Z.L.Leshchinskaia, I.S.Strel'tsov. Zhur.fiz.khim. 37 no.3:668-670 Mr '63.

Heat of formation of spirocyclane hydrocarbons. M.P.Kozina and others. Dokl.AN SSSR 155 no.5:1123-1125 Ap '64.

Heat of formation of the BO_2 radical. A.D.Rusin, V.M.Tatevskii. Zhur.fiz.khim. 37 no.3:716-717 Mr '63.

Standard enthalpies of formation of chlorotrifluoromethane and dichlorodifluoromethane. V.P.Kolesov, I.D.Zenkov, S.M.Skuratov. Zhur.fiz.khim. 37 no.3:720 Mr '63.

HEAT REGENERATORS

"Termopanel'" type regenerator. V.N.Demidova. Prom.energ. 19 no.2:32-33 F '64.

HEAT-RESISTANT ALLOYS

Electron microscope study of fractures in the EI437B cast alloy. A.V.Smirnova and others. Zav.lab. 30 no.5:571-573 '64.

HEAT-RESISTANT ALLOYS—WELDING

Argon arc welding of heterogenous heat-resistant steels and alloys. I.F.Kobylianskii, V.D.Peshekhonov. Svar.proizv. no.11:18-21 N '63.

Welding heat-resistant nickel alloys with IMET-4P electrodes. O.M.Kuznetsov, A.A.Erokhin. Svar.proizv. no.11:15-17 N '63.

HEATING

Converting natural and mixed gas for special heating installations. I.N.Babin and others. Trudy VNIIT no.11:245-253 '62.

HEATING FROM CENTRAL STATIONS

Centralized heat supply stations of industrial enterprises. V.G.Grigorov. Prom.energ. 19 no.2:40-41 F '64.

Development of centralized heat supply. A.A.Nikolaev. Energetik 11 no.12:1-4 D '63.

Features of choosing an effective central heating factor in limiting the power output of a thermal electric power plant. D.T.Arshakian. Izv.vys.ucheb.zav.; energ. 7 no.4:49-57 Ap '64.

New trends in the development of central heating. IU.N.Flakserman. Teploenergetika 11 no.5:89-91 My '64.

Optimum value of α in a heat and electric power plant. V.IA.Girshfel'd, V.N.Bakhusov, A.M.Kniazev. Teploenergetika 11 no.5:18-21 My '64.

HEATING RESEARCH

Percentage increases in the basic heat losses by vertical enclosures for the coastal districts of the Maritime Territory. O.P.Gutorova. Sbor.nauch.rab.DVNIIS no.3:66-74 '62.

HEDGEHOGS—ANATOMY

Osteological differences between the common hedgehog (Erinaceus europaeus L.) and the long-eared hedgehog (Hemiechinus brachyotis Sat.). [In Azerbaijani with summary in Russian]. S.A.Zaidova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:39-46 '61.

HELICOPTERS

Efficient methods for gravity surveying on a 1:200,000 scale employing a helicopter and using barometric leveling under the conditions of the northeast of the U.S.S.R. V.S.Kiselev, E.M.Kastal'skii, A.V.Riabov. Sbor.izobr.rats.predl. pt.2:3-4 '63.

HELICOPTERS, MILITARY

Thus the communists act. Part.zhizn' [Uzb.] 7 no.4:89-91 Ap '64.

HELIUM

Experimental study of the viscosity of helium and nitrogen. R.A.Makavetskas, V.N.Popov, N.V.TSederberg. Teplofiz.vys.temp. 1 no.2:191-197 S-O '63.

HELIUM—OPTICAL PROPERTIES

Polarization of helium atoms by optical pumping and its determination from the varying intensity of light transmission. V.TS.Gurovich, Zh.Zheenbaev, O.P.Zhitkov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:129-131 '63.

HEMATOENCEPHALIC BARRIER

Resistance of the hematoencephalic barrier in rabbits. A.IA.Prokopchuk, S.A.Eremenko. Dokl.AN BSSR 8 no.1:66-68 Ja '64.

HEMATOLOGY

Compensation of hemodynamic and hematologic disorders in the surgical treatment of lung diseases. I.I.Grishko. Zdrav.Bel. 9 no.6:21-25 Je '63.

Hematological characteristics of strain CC-57 laboratory mice. A.N.Grinchenko, A.S.Zverkova. Lab.delo no.4:246-250 '64.

Priority of Ch.I.Khentsinskii in the creation of the double blood staining method. A.P.Fiks. Lab.delo 9 no.4:58-59 Ap '63.

Review of S.M.Rapoport's book "Blood." N.K.Sviridov. Lab.delo 9 no.4:62 Ap '63.

HEMATOPORPHYRIN

Initiation of methyl methacrylate polymerization by reduced forms of chlorophyll and hematoporphyrin. A.V.Umrikhina, A.A.Krasnovskii. Dokl.AN SSSR 155 no.4:904-907 Ap '64.

HEMIPTERA see subdivision under Zaporozh'ye Province

HEMOGLOBIN

Effect of ionizing radiation on the stability of the hemoglobin of preserved blood. L.S.Bova. Med.rad. 8 no.5:75-77 My '63.

HEMOLYSIS AND HEMOLYSINS

Kinetics of acid hemolysis of erythrocytes in microfocal pneumonia in children. L.P.Shul'ga. Pediatriia 42 no.9:19-23 S '63.

HEMOLYTIC ANEMIA

Importance of determining the osmotic and acid resistance of erythrocytes in the clinical aspects of hemolytic anemia. M.D.Brilliant and others. Lab.delo 8 no.7:3-9 Jl '62.

HEMOPOIETIC SYSTEM

Effect of adrenaline on the hemopoietic property of the gastric juice. A.K.Musaeva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:83-87 '63.

Effect of estrogens on hematopoiesis. S.I.Riabov. Usp.sovr.biol. 56 no.2:197-207 S-O '63.

Medullary hematopoiesis in children with rickets and pneumonia. F.A.Kurginskaia. Zdrav.Kazakh. 23 no.4:58-61 '63.

HEMOPHILIA

Case of erroneous surgery in a patient with hemophilia. N.G.Shtykalov-Katanov, L.I.Karetnyi. Vest.khir. 90 no.5:130 My '63.

HEMOPHILUS—CULTURES AND CULTURE MEDIA

Interaction between the pertussis pathogen and tissue cultures [with summary in English]. E.N.Zaglukhinskaia. Zhur.mikrobiol., epid.i immun. 40 no.9:49-52 S '63.

HEMORRHAGE

Significance of the thromboplastin generation test in the clinical aspects of hemorrhagic states. E.P.Ivanov. Zdrav.Bel. 9 no.6:38-42 Je '63.

HEMORRHAGE, UTERINE

Etiology of early and late postpartum hemorrhages. V.P.Kozachenko. Kaz.med.zhur. no.6:47-48 N-D '62.

HEMOTHORAX

Intravital staining of the lymphatic system for detection of the thoracic duct in its injury. V.L.Manevich, T.V.Stepanova. Khirurgiia no.1:72-77 '63.

HEPARIN

Some indices of heparin metabolism and fibrinolytic activity of the blood in patients with cerebral atherosclerosis with mental disorders. M.S.Tropper. Zhur.nevr.i psikh. 64 no.2:275-280 '64.

HEPATIC VEINS

Methodology of guided catheterization of the hepatic veins. Kh. D. Kulieva, IU. D. Volynskii. Eksper. khir. i anest. 8 no. 4:28-29 Jl-Ag '63.

HEPATITIS, INFECTIOUS

(see also subdivision under Ashkhabad; Ivanovo Province)

Age related structure of viral hepatitis (Botkin's disease) morbidity [with summary in English]. Z. K. Karimov, P. S. Nogovitsina, E. N. Zheltukhin. Zhur. mikrobiol., epid. i immun. 40 no. 4:136-139 Ap '63.

Changes in the capillaries in different clinical forms of Botkin's disease. A. M. Reznichenko. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:163-169 '62.

Clinicofunctional and morphological characteristics of Botkin's epidemic hepatitis in connection with the characteristics of its course [with summaries in Tajik and English]. D. G. Rudoi. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:73-86 '62.

Diagnostic and prognostic significance of determining glutamino-oxaloacetic transaminase in Botkin's disease in children [with summary in English]. A. P. Kupershtein. Vop. okh. mat. i det. 7 no. 6:44-48 Je '62.

Diagnostic significance of determining lipoproteins in the blood serum in Botkin's disease. L. L. Deliamure. Lab. delo no. 3:141-145 '64.

Differential diagnosis of the anicteric form of Botkin's disease in children [with summary in English]. I. V. Shakhgil'dian. Vop. okh. mat. i det. 7 no. 6:33-39 Je '62.

Dynamics of morphological and some histochemical changes in the liver in acute and prolonged forms of Botkin's disease according to data of intravital needle biopsy of the liver [with summaries in Tajik and English]. S. N. Kutchak. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:43-56 '62.

Effect of diets with varying quantities of protein on the course of chronic hepatitis. T. I. Loranskaia. Vop. pit. 21 no. 5:13-20 S-O '62.

Epidemiology of infectious hepatitis (Botkin's disease) in children. N. N. Lapin. Pediatriia 42 no. 9:88 S '63.

Lipo- and glycoproteins of the blood serum in various variants of the course of Botkin's disease in comparison with liver function tests and morphological changes in the liver [with summaries in Tajik and English]. I. D. Mansurova, V. I. Dronova, M. S. Panasenko. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:87-107 '62.

Report no. 1. Results of treatment under control of intravital histological studies of the liver in Botkin's disease [with summaries in Tajik and English]. E.F.Eltsen. Trudy Inst. kraev. med. AN Tadzh.SSR no. 1:217-224 '62.

Separate determination of bilirubin fractions in epidemic hepatitis in children. A. P. Kupershtein, P. A. Roomere. Lab. delo 8 no. 9:29-34 S '62.

Separate determination of direct and indirect bilirubin in Botkin's disease and other diseases. L. N. Osipov. Lab. delo 8 no. 9:34-39 S '62.

Some changes in the vegetative nervous system and the cardiovascular system in Botkin's disease in children. I. N. Rudenskaia. Vop. okh. mat. i det. 7 no. 6:39-43 Je '62.

Some clinical and laboratory indices of Botkin's disease in children. R. V. Nechaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:130-135 '62.

Some diagnostic problems of Botkin's disease. V. M. Sukharev. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:116-122 '62.

State of some indices of the blood coagulation system in children with Botkin's disease. A. IU. Lemberanskaia. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:93-96 '63.

Technic of microchemical examination of the activity of some enzymes in liver punctates of patients with Botkin's disease. I. D. Mansurova. Lab. delo 8 no. 9:26-29 S '62.

HEPATOLENTICULAR DEGENERATION

Hepato-cerebral dystrophy in children. K. A. Katsiuba, F. I. Gzulia. Zdrav. Kazakh. 23 no. 4:61-64 '63.

HEPTANE

Viscosity of isooctane, cyclopentane, cyclohexane, and their saturated vapors. Kh. M. Khalilov. Zhur. fiz. khim. 36 no. 11:2474-2477 N '62.

HERBARIA see subdivision under Tiflis; White Russia

HERBICIDES

(see also subdivision under United States)

Air-borne spraying of herbicides before sowing. V.S. Podoprigora, T.R.Borodina. Zashch. rast. ot vred. i bol. 9 no.4:19 '64.

Duration of the action of phenyldimenthylurea derivatives as related to the type of soils. L. I. Korolev, V. A. Voitekhova, IA. IU. Starosel'skii. Khim. v sel'. khoz. 2 no. 2:37-41 F '64.

Economic effectiveness of using herbicides in the forest plantations and nurseries in Uzbekistan. M. S. Gershun, T. N. Guzeeva. Khim. v sel'. khoz. 2 no. 2:50-51 F '64.

Effect of the application of herbicides in soil on the change in the qualitative composition of fungi of the genus Penicillium. T. G. Zimenko, I. V. Kabailova. Bot.; issl. Bel. otd. VBO no. 5:177-179 '63.

Effectiveness of carbin in the control of wild oats. L. S. Roktanen and others. Khim. v sel'. khoz. 2 no. 2:43-45 F '64.

Herbicides on irrigated lands. A.K.Lysenko. Zashch. rast. ot vred. i bol. 9 no.4:18 '64.

Important means for the intensification of production. Zashch. rast. ot vred. i bol. 9 no.4:1-2 '64.

On the Novorybinskiy State Farm. A.A.Seleznev. Zashch. rast. ot vred. i bol. 9 no.4:4-5 '64.

Results of using herbicides in alfalfa fields. G. P. Kutuzov. Khim. v sel'. khoz. 2 no. 3:38-39 Mr '64.

Some physical properties of m-chlorophenylisocyanate. N.A.Gol'dberg, V.A.Gorbushenkov, Z.G.Teplova. Zhur. prikl. khim. 37 no.4:745-747 Ap '64.

Studying the herbicidal activity and selectivity of carbin. V. A. Voitekhova and others. Khim. v sel'. khoz. 2 no. 2:35-37 F '64.

Using arboricides in early spring in shrub control. G. P. Sannikov. Zashch. rast. ot vred. i bol. 9 no.4:20 '64.

Using herbicides along with insecticides for spring wheat. I. M. Zambin. Zashch. rast. ot vred. i bol. 9 no.4:13-14 '64.

Using herbicides in the Latvian S. S. R. A. D. Trusova. Khim. v sel'. khoz. 2 no. 2:47-50 F '64.

Using herbicides in the Virgin Territory. P.V.Shin. Khim. v sel'. khoz. 2 no. 2:45-47 F '64.

HEREDITY

Biological synthesis of protein and the problem of heredity [with summary in English]. Zh. A. Medvedev. Izv. TSKHA no. 1:103-126 '60.

Principles of the "loosening" of the conservatism in plant heredity. D. A. Dolgushin. Agrobiologiia no. 5:652-661 S-O '63.

Study of the possibility of changing the inherited characters in hens by the transfusion of heterogenous blood [with summary in English]. A. F. Opol's'kyi. Dop. AN URSR no. 2:261-263 '64.

HERNIA

Clinicoanatomical basis for the use of simple methods of inguinal herniotomy. A. I. Baryshnikov. Kaz. med. zhur. no. 6:26-26 N-D '62.

Strangulated hernias in elderly patients [with summary in English]. O. I. Vinogradova, E. I. Fidrus. Vest. khir. 90 no. 5:75-83 My '63.

HERODIONES—PARASITES see Parasites—Herodiones

HEROES see subdivision under Siberia

HERPES—MICROBIOLOGY

Differential diagnosis of adenoviruses, and the viruses of herpes, influenza and poliomyelitis. R. S. Dreizin and others. Vop. med. virus. no. 5 pt. 2:178-183 '58.

HERRING see subdivision under Atlantic Ocean; Caspian Sea

HERRING FISHERIES see subdivision under Estonia

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

A book on Hertzen as educator. S. B. Okun', N. G. Sladkevich. Ist. SSSR 8 no. 2:171-173 Mr-Ap '64.

HETEROSIS

Heterosis and the fertilization process in plants. IE. L. Holyns'ka. Ukr. bot. zhur. 21 no. 2:21-36 '64.

HEXAMETHYLENIMINE

Quantitative determination of methyl acrylate by means of hexamethylenimine [with summary in English]. A. P. Terent'ev and others. Zhur. anal. khim. 19 no. 1:135-136 '64.

HEXANAMIDE

Use of diffusion salting-out for evaluating the molecular weight distribution of poly- ε -caproamide [with summary in English]. V. M. Poliakova, A. E. Fainerman, R. V. Voitsekhovskii. Vysokom. soed. 6 no. 3:432-433 Mr '64.

HEXANE

Dehydrocyclization of normal hexane. B. A. Kazanskii and others. Trudy GrozNII no. 15:254-264 '63.

HEXOBARBITAL

Experimental intramuscular morphine-hexenal anesthesia. S. A. Gasparian, R. A. Toshchakov. Eksper. khir. i anest. 8 no. 4:83-86 Jl-Ag '63.

HEXOBARBITAL—TOXICOLOGY

Dimercaprol as an antidote against hexenal. Z. P. Kotel'nikova, E. P. Shuvaeva. Nauch. trudy Riaz. med. inst. 15:41-42 '62.

HEXOKINASES

Regulation of the hexokinase reaction of muscles [with summary in English]. G. S. Sheves. Ukr. biokhim. zhur. 35 no. 5:669-676 '63.

HEXONIUM

Effect of magnesium sulfate, aminazine and hexonium on the adrenal cortex. IA. M. Miloslavskii. Nauch. trudy Riaz. med. inst. 15:71-79 '62.

HEXOSES

Colorimetric method for determining pentoses and hexoses in hydrolyzates. T. L. Parfent'eva. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:156-160 '64.

HIDES AND SKINS

Calculating the weight losses of salted hides. E. Gaevoi, V. Rodin. Mias. ind. SSSR 34 no. 6:15-17 '63.

Defects of hides occurred during the life of the animal. IU. Kurkov. Mias. ind. SSSR 34 no. 6:24 '63.

Development of a new technology and mechanized continuous production line for the manufacture of edible gelatin from collagen-containing pigskins. D. I. Virnik and others. Trudy VNIIMP no. 15:84-94 '63.

Machine with continuous action for cattle hide flaying. P. A. Voinova, K. D. Sinitsyn. Trudy VNIIMP no. 15:19-24 '63.

Preparation of gelatin from raw materials processed with the acid method. D. I. Virnik and others. Trudy VNIIMP no. 13:52-63 '62.

Role of the slaughtering stations and slaughtering platforms in the improvement of the quality of raw leather. P. IA. Khavkunov, P. S. Sunduk'ian. Kozh.-obuv. prom. 6 no. 4:10-13 Ap '64.

Use of silicon organic compounds for the modification of the hair covering of fur sheep skins. G. M. Aksenova, IU. N. Aronina. Nauch. trudy MTILP no. 26:85-88 '62.

Using the acid treatment method for the preparation of soft gelatin-yielding materials for gelatin production. E. V. Gaevoi, G. P. Dinarieva. Trudy VNIIMP no. 13:39-51 '62.

HIDES AND SKINS—DISINFECTION

Development of the method for the disinfection of leather and fur raw materials from animals affected by listeriosis. L. L. Kukharkova and others. Trudy VNIIMP no. 13:64-69 '62.

HIDES AND SKINS—PRESERVATION

Efficiency of the use of formaldehyde compounds for the conservation of fur and coat sheepskins during long storage of the raw materials. E. V. Gaevoi and others. Trudy VNIIMP no. 15:43-55 '63.

New method for the conservation treatment of raw leather in a mobile apparatus. E. V. Gaevoi and others. Trudy VNIIMP no. 15:67-78 '63.

Use of aluminum salts for the preservation of fur sheepskins. E. V. Gaevoi, G. P. Dinarieva. Trudy VNIIMP no. 13:26-38 '62.

Use of formaldehyde compounds for the conservation of fur and garment sheepskins. E. V. Gaevoi and others. Trudy VNIIMP no. 15:24-43 '63.

HIDES AND SKINS—TESTING

Methodology for determining the tensile strength of leather raw materials. E.S.Ovečkis, T. A. Vasilets, R. M. Rokhlenko. Kozh.-obuv. prom. 6 no. 2:24-27 F '64.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH PRESSURE RESEARCH

Structural defects and plastic deformation of copper at high pressures. D. K. Bulychev and others. Dokl. AN SSSR 156 no. 1:67-68 My '64.

HIGH TEMPERATURES

Second International Symposium on High Temperatures. A. E. Sheindlin. Vest. AN SSSR 34 no. 2:100 F '64.

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS—EDUCATION AND TRAINING see subdivision under Perovo (Moscow Province)

HILBERT SPACE

Some theorems on the completeness of root subspaces of perfectly continuous operators. V. I. Matsaev. Dokl. AN SSSR 155 no. 2:273-276 Mr '64.

HIP JOINT—DISLOCATION

Reduction a neglected traumatic dislocation of the hip in senile persons. G. D. Bro. Ortop., travm. i protez. 24 no. 10:73 O '63.

HIP JOINT—SURGERY

Extensive resection of the hip joint in tuberculous coxitis. M. K. Khadzhi-Muradov. Zdrav. Turk. 7 no. 12:23-25 D '63.

Indications for arthrodesis of the hip joint in patients with sequelae of poliomyelitis. O. V. Nedrigailova, B. A. Pogrebniak. Ortop., travm. i protez. 24 no. 10:3-11 O '63.

HIP JOINT—TUBERCULOSIS

Extensive resection of the hip joint in tuberculous coxitis. M. K. Khadzhi-Muradov. Zdrav. Turk. 7 no. 12:23-25 D '63.

Surgical treatment of tuberculosis of the coxofemoral joint in children. N. N. Buniatov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:85-91 '63.

HISTAMINE

Interaction of biogenic amines on the mechanism of the protection from the effect of ionizing radiation by histamine. [illegible], E.I.Krichevskaia, S.R.Zubkova. Dokl.AN SSSR 155 no.5:1198-1200 Ap '64.

Role of histamine and serotonin in radiation changes in the excitability of the vasomotor nerve center. M.M.Gro[illegible]. Dokl.AN SSSR 156 no.1:157-160 My '64.

HISTOCHEMISTRY

[illegible] temperature of living tissues. N.A.Mal'tsev. Dokl.AN SSSR 156 no.3:695-697 '64.

HISTOLOGY

"Ultramicroscopic structures of cells and tissues in health and pathology, their physiological and pathological significance" [translated from the French] by A.Policard and Ch.Baud. Reviewed by A.G.Knorre. Arkh.anat., gist.i embr. 43 no.12:84-92 D '62.

HISTOLOGY—TECHNIQUE

Preparation of small size color diapositives of histological preparations. L.M.Nepomniashchikh. Lab.delo 9 no.4:54-55 Ap '63.

Simple method of preserving smears for multiple microscopy. P.S.Barkan. Lab.delo 9 no.4:57-58 Ap '63.

HISTORIANS

Information on authors of the articles published in this issue of "Voprosy istorii." Vop.ist. 39 no.3:220 Mr '64.

Information on the authors of articles published in Voprosy istorii no.5, 1954. Vop.ist. 39 no.5:218 My '64.

HISTORICAL CHRONOLOGY see Chronology, Historical

HISTORICAL FICTION

Udonova, Z. [Basic stages in the development of the Soviet historical novel; material for a lecture in a course on Russian Soviet literature] Osnovye etapy razvitiia sovetskogo istoricheskogo romana; material k lektsii po kursu Russkaia sovetskaia literatura. Moskva, Mosk. gos. bibliotechnyi in-t, 1961. 48 p.
(MH)

HISTORICAL LIBRARIES see subdivision under Moscow

HISTORICAL MUSEUMS see subdivision under Baku; Budapest

HISTORICAL RESEARCH

Brief news. Vop.ist.KPSS 8 no.4:155-157 Ap '64.

Brief notes. Vop.ist. 39 no.5:210-212 My '64.

First results of the fulfillment of the recommendations of the All-Union Conference of Soviet Historians. V.A. Kumanev. Vop.ist. 39 no.5:112-116 My '64.

HISTORIOGRAPHY

Akademiia nauk SSSR. Institut istorii. [Soviet historical science between the 20th and 21st Congresses of the CPSU] Sovetskaia istoricheskaia nauka ot XX k XXI s"ezdu KPSS; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1962-63. 2 v.
(NN)

Conference of Russian and British historians. V.G. Trukhanovskii. Vest.AN SSSR 34 no.2:111-112 F '64.

Historians' Conference in Czechoslovakia. B.A.Rybakov. Vest.AN SSSR 34 no.2:109-110 F '64.

HISTORY

Brief notes. Vop.ist. 39 no.3:165-167 Mr '64.

Brief notes. Vop.ist. 39 no.5:169-172 My '64.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—CONGRESSES

On the eve of the 12th International Congress of Historical Sciences. A.A.Guber. Vop.ist. 39 no.5:173-179 My '64.

A scholarly meeting on Soviet and East German historians. A.L.Narochnitskii. Vop.ist. 39 no.3:168-170 Mr '64.

HISTORY—METHODOLOGY

Development of the methodological problems of history. P.N.Fedoseev. Vop.ist. 39 no.3:3-23 Mr '64.

Discussion of the problems of the methodology of history in the enlarged session of the Section of Social Sciences of the Presidium of the Academy of Sciences of the U.S.S.R. on January 3-6, 1964. Vop.ist. 39 no.3:23-66 Mr '64.

Methodological problems of historical science. Vop.ist. 39 no.3:1 Mr '64.

Resolution of the Presidium of the Academy of Sciences of the U.S.S.R. (Section of Social Sciences) on the studies of the methodological problems of history. Vop.ist. 39 no.3:66-68 Mr '64.

HISTORY—METHODOLOGY—PERIODICALS

"History and theory." Reviewed by E.E.Pechuro. Vop.ist. 39 no.3:195-201 Mr '64.

HISTORY—PHILOSOPHY

Historical materialism as a branch of science and the program of its study. V.Zh.Kelle, M.IA.Koval'zon. Vop.filos. 17 no.12:128-134 '63.

HISTORY—SOURCES see subdivision under Kabardino-Balkar A.S.S.R.

HISTORY—STUDY AND TEACHING

Local lore study as an important means of education and training. M.Kashin. Nar.obr. no.5:18-24 My '64.

HISTORY, MODERN

"Modern history." Vol. 1. 1640-1870. Reviewed by A.S. Beilis, V.N.Kutik. Vop.ist. 39 no.3:145-147 Mr '64.

HLYNS'KYI, IAKYM

IAkym Hlyns'kyi. P.Musiienko. Mystetstvo 10 no.6:11-13 N-D '63.

HOARY CRESS

Chemical control of hoary cress in winter wheat and barley fields. A.A.Mordovets. Khim.v sel'.khoz. 2 no.3:36-38 Mr '64.

HOCKEY

Frolov, V.V. [Puck and its heroes] Shaiba i ee geroi. Moskva, Sovetskaia Rossiia, 1964. 173 p.

The puck flys to the goal. Sov.voin 46 no.2:42-43 Ja '64.

HODGKIN'S DISEASE

Surgical complications in lymphogranulomatosis of the small intestine. A.M.Tarnopol'skii. Khirurgiia 39 no.6:119-122 Je '63.

HOFFMANN KILN see subdivision under Czechoslovakia

HOG CHOLERA—MICROBIOLOGY

Characteristics of the virus of hog cholera grown in tissue cultures. V.G.Airapetian, A.B.Khachatrian, G.K.Boiadzhian. Veterinariia 40 no.10:29-30 O '63.

HOG CHOLERA—PREVENTIVE INOCULATION see subdivision under Georgia

HOISTING MACHINERY

Effect of the gear ratio of a transmission case on the start of a drill hoist with a torque converter. V.L. Arkhangel'skii. Mash.i neft.obor. no.3:3-7 '64.

Efficient methods and speeds for hoisting and lowering strings by completely mechanized production and drilling assemblies; a topic for discussion. G.V. Molchanov. Neft.khoz. 42 no.5:11-16 My '64.

Hoisting machines for multistory buildings. V.Poliakov. Stroi.i arkhit.Mosk. 12 no.12:26-28 D '63.

Hoisting machinery for the construction of multistory buildings. K.Grachev. Stroi.i arkhit.Mosk. 12 no.12:24-25 D '63.

Self-propelled hoist for a bell furnace. E.I.Orenshtein. Mekh.i avtom.proizv. 18 no.4:40-41 Ap '64.

Simplified method for selecting additional load for lowering deep well instruments into flowing wells. G.A.Mataev and others. Nefteprom.delo no.3:17-18 '64.

Two-post hoist for motor vehicles. V.Guslits. Avt. transp. 42 no.5:20-22 My '64.

HOLMIUM—MAGNETIC PROPERTIES

Effect of all-round pressure on the magnetization intensity of Ho and Er in the antiferromagnetic region. L.I. Vinokurova, E.I.Kondorskii. Zhur.eksp.i teor.fiz. 46 no.3:1149-1150 Mr '64.

HOME AND SCHOOL

Parents help a school. V.Grekovich. Prof.-tekh.obr. 21 no.4:24 Ap '64.

HOMOTOPY THEORY

Universal homotopic groups. F.V.Bauer. Dokl.AN SSSR 155 no.2:254-257 Mr '64.

HONDURAS—POLITICS AND GOVERNMENT

In a "70-per cent" country. IU.Gvozdev. Mezhdunar. zhizn' 11 no.5:96-98 My '64.

HOODLUMS

Liability for murder for hoodlumish motives. S.Borodin. Sov.iust. 28 no.8:6-8 Ap '64.

HOOFS—DISEASES

Characteristics of pododermatitis in cattle. G.S. Mastyko. Veterinariia 40 no.10:37-39 O '63.

HOPS

Efficient utilization of hops in brewing. A.M.Navroiskaia. Izv.vys.ucheb.zav.; pishch.tekh. no.2:65-69 '64.

HOPS—ECONOMIC ASPECTS see subdivision under Ukraine

HORMONE THERAPY

Sodium, potassium and water content of the blood serum and muscle tissue following adrenalectomy and subsequent hormone therapy [with summary in English]. V.I.Sokolova. Ukr.biokhim.zhur. 35 no.1:113-119 '63.

HORMONES

Change in the blood protein fractions during the treatment of rheumatic fever. E.A.Mezenchuk and others. Zdrav.Kazakh. 23 no.4:28-32 '63.

Hormonal regulation of carbohydrate metabolism in Cyclostomi and fishes. E.M.Plisetskaia. Usp.sovr. biol. 57 no.1:128-142 Ja-F '64.

HORNTAILS see subdivision under Siberia, Western

HORSEFLIES see subdivision under Gur'yev; Ili Valley; Semipalatinsk Province; Tuva A.S.S.R.

HOSE

Device for attaching connections in rubber hoses. A.V. Gromov. Mash.i neft.obor. no.3:20-21 '64.

HOSE—TESTING

Hydraulic strength of hose with metal braiding. A.A. Shliakhman, V.A.Lepetov, I.I.Leonov. Kauch.i rez. 23 no.3:37-40 Mr '64.

HOSIERY—TESTING

Strength of hosiery manufacture on cotton machines and uniformity of the loop structure. D.T.Braha. Leh. prom. no.4:50-53 O-D '63.

HOSIERY INDUSTRY

Redesigning of the automatic NOR-10 single-process knitting machine for fancy hosiery. V.M.Safranovych, IU.O.Davydenko. Leh.prom. no.4:78-79 O-D '63.

HOSIERY INDUSTRY—EQUIPMENT AND SUPPLIES

Anticorrosive protection of the aluminum forms of the machines for the stabilization of nylon hosiery. M.I. Eidel'man, V.M.Lempert. Leh.prom. no.4:79-80 O-D '63.

HOSPITALS

Some comments on the standardization of a network of district hospitals. V.A.Vorob'ev. Sov.zdrav. 22 no.8:27-31 '63.

HOSPITALS—OUTPATIENT SERVICES

Dispensary service for skin disease patients. P.V.Kozhevnikov. Nauch.trudy GIDUV no.12:115-128 '57.

Dispensary service in stomach diseases. A.F.Krivoshchekii, D.M.Grebennikova. Zdrav.Bel. 9 no.6:54-55 Je '63.

Laboratory control for the regulation of the use of paraaminosalicylic acid and phtivazid for patients with tuberculosis under ambulatory conditions. E.A.Ginzburg, I.G.Shklovskaia. Lab.delo no.5:274-275 '64.

Official standards for municipal ambulatory-polyclinical institutions. V.A.Speranskii, G.S.Kornilova. Sov. zdrav. 22 no.8:32-34 '63.

Role of the branches of pediatric polyclinics of the medical aid for new residential areas. V.O.Gotlib. Sov. zdrav. 22 no.8:51-53 '63.

Some problems in the organization of polyclinical service. V.G.Drabkin. Sov.zdrav. 22 no.8:23-27 '63.

HOSPITALS, GYNECOLOGIC AND OBSTETRIC see subdivision under Pskov Province

HOUSE FURNISHINGS INDUSTRY

Methods for selling household goods. Sov.torg. 37 no.4:46-53 Ap '64.

HOUSING see subdivision under Gorkiy

HOUSING—LAW AND LEGISLATION

Alekseev, T.D. [Manual on housing law for activist groups in the trade unions] Spravochnik po zhilishchnomu zakonodatel'stvu dlia profaktiva. [Moskva] Profizdat, 1963. 309 p.

Andreevskii, I.N., comp. [Legal manual for workers in housing and municipal administration] Spravochnik po zakonodatel'stvu dlia rabotnikov zhilishchno-kommunal'nogo khoziaistva. Moskva, Izd-vo lit-ry po stroit. "Stroiizdat," 1964. 586 p.

HOUSING, COOPERATIVE—LAW AND LEGISLATION

Some problems connected with the legal regulation of operations of housing and construction cooperatives. I.S.Gurevich. Sov.gos.i pravo 34 no.4:112-118 Ap '64.

HOUSING FOR PHYSICALLY HANDICAPPED see subdivision under Kurgan Province; Ul'yanovsk Province

HUANG, HSING, 1874-1916

"Huang Hsing and the Chinese Revolution" by Hsüeh Chün-tu. Reviewed by E.A.Belov. Nar.Az.i Afr. no.3:189-191 '64.

HULLS (NAVAL ARCHITECTURE)

Fokin, IU.V. [Bending operations in the construction of ship hulls] Opyt gibochnykh rabot v korpusostroenii. Leningrad, Sudpromgiz, 1963. 97 p.

HUMAN EMBRYOLOGY see Embryology, Human

HUMAN FIGURE IN ART

Significance of ancient Turkic stone-carved images of men. L.R.Kyzlasov. Sov.arkheol. 8 no.2:27-39 '64.

HUMAN PARASITOLOGY see Medical parasitology

HUMIDITY

Some characteristics of the diurnal variation of the air temperature and relative humidity on the territory of the U.S.S.R. I.A.Berlin, A.A.Zanina, A.IU.Egorova. Trudy GGO no.112:176-186 '63.

HUMUS see subdivision under Armenia; Novosibirsk Province

HUNGARIAN LANGUAGE—SYNTAX

"Grammar of modern Hungarian." K.E.Maitinskaia. Vop.iaz. 12 no.6:148-151 N-D '63.

HUNGARY—CHEMICAL INDUSTRIES

The red stars are shining. V.Gerasimov. Sov.profsoiuzy 20 no.7:36-37 Ap '64.

HUNGARY—COMMUNISTS

[Immortal heroes; stories of Hungarian revolutionists. Translated from the Hungarian] Geroi bessmertny; rasskazy o vengerskikh revoliutsionerakh. Moskva, Politizdat, 1964. 246 p.

HUNGARY—CREDIT

Issuing credit and credit planning in the Hungarian People's Republic. I.Felvideky, R.Roka. Den.i kred. 22 no.4:80-85 Ap '64.

HUNGARY—ENZYMES

Gaevoi, E.V., and others. [Production of endocrine and enzymatic preparations in Hungary and Czechoslovakia] Proizvodstvo endokrinnykh i fermentnykh preparatov v Vengrii i Chekhoslovakii. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 47 p.

[MICROFILM]

HUNGARY—HISTORY

For a complete victory of socialism. Andras Zsilak. Vop.ist.KPSS 8 no.4:128-131 Ap '64.

HUNGARY—PAROLE

Conditional release of a criminal prisoner in Hungary. IU.Tkachevskii. Sov.iust. 28 no.8:28-20 Ap '64.

HUNGARY—PHYSICIANS—BIOGRAPHY

Review of the book "Biographies of physicians of Hungary and Transylvania." N.A.Bogoiavlenskii. Sov.zdrav. 22 no.6:90-91 '63.

HUNGARY—POLITICS AND GOVERNMENT

The Fatherland People's Front in the Hungarian People's Republic. L.S.Sergeev. Uch.zap.IMO no.14:3-22 '63.

Thoughts about Hungary. L.Mesterhazi. Nov.vrem. 21 no.20:9-11 My '64.

HUNGARY—POULTRY FARMS—EQUIPMENT AND SUPPLIES

Simplified processing of poultry on a conveyor. V.Ochakovskii, G.Tarasova. Mias.ind.SSSR 34 no.6:38 '63.

HUNGARY—TURKIC PHILOLOGY

Special problems of Turkic linguistics in Hungary. J.Nemeth. Vop.iaz. 12 no.6:126-136 N-D '63.

HYALURONIC ACID

Use of phenolic deproteinization for isolating highly polymerized hyaluronic acid from umbilical cords [with summary in English]. A.M.Poverennyi, A.V.Chmyrev. Ukr.biokhim.zhur. 35 no.5:772-776 '63.

HYALURONIDASE

Diagnostic importance of the antihyaluronidase titer in rheumatic fever. V.D.Gubernatorova and others. Nauch.trudy Riaz.med.inst. 14:222-227 '63.

Hyaluronidase enzyme in the cultures of Entamoeba histolytica. M.F.Mizgireva, S.E.Gleiberman. Izv.AN Turk.SSR.Ser.biol.nauk no.6:34-41 '63.

Some enzyme-substrate systems in the process of regeneration of the bony tissue. B.S.Kasavina and others. Eksper.khir.i anest. 7 no.4:56-63 Jl-Ag '62.

HYBRID CORN see subdivision under Russia, Northern

HYBRIDIZATION

Fertilization in cross-breeding of soft and hard wheat. G.O.Rakhmetova. Vest.AN Kazakh.SSR 19 no.11:75-85 N '63.

HYDATIDS

(see also subdivision under Kazakhstan)

Rare localizations of echinococcal cysts and pathways of metastasis of the parasite; a review. V.S.Krylov. Khirurgiia no.1:133-135 '63.

HYDRATES

Study of the state of water in phosphomolybdic acid by means of nuclear magnetic resonance. V.F.Chuvaev, V.IA.Kabanov, Vikt.I.Spitsyn. Dokl.AN SSSR 155 no.4:908-911 Ap '64.

HYDRAULIC CONTROL

Hydraulic control elements in agricultural machinery. N.N.Nastenko. Mashinostroenie no.2:83-87 Mr-Ap '64.

Linear and linearized transformations of hydraulic networks. V.IA.Khasilev. Izv.AN SSSR.Energ.i transp. no.2:231-243 Mr-Ap '64.

Some quality criteria in the operation of hydraulic servomotors with cutoff valves. V.S.Nemirov. Teploenergetika 11 no.5:62-67 My '64.

Use of hydraulic drives in the slide gates of circulation water conduits. L.A.Fuks. Energetik 11 no.12:13-14 D '63.

HYDRAULIC CONVEYING

Effect of the disperse composition of coal on the technological parameters of hydraulic conveying. A.E. Smoldyrev. Nauch.soob.IGD 22:171-178 '63.

Hydraulic conveying of chips in pipelines. V.V.Korobov. Bum.prom. no.1:13-15 Ja '64.

Using hydraulic conveying for removing metal chips. A.P. Liuro. Mekh.i avtom.proizv. 18 no.4:21-22 Ap '64.

HYDRAULIC ENGINEERING

(see also subdivision under Ishym Valley)

Bases of mapping scales and the altitude of cross sections of a relief in surveying drained sections. L.P. Nedesheva. Dokl.TSKHA no.87:187-192 '63.

Building hydraulic structures by the method of preliminary wetting. A.A.Kirillov. Dokl.TSKHA no.87:451-456 '63.

Calculation of the percolation through an earth dam situated on a permeable homogeneous foundation with an oozing section on the downstream slope [with summary in English]. O.IA.Oliinyk. Dop.AN URSR no.4:465-468 '64.

Curving of an unlimited ice field by a temporary static load. D.F.Panfilov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:60-70 '63.

Hydrologic and morphologic fundamentals of the theory of river bed evolution and their use in planning for purposes of hydraulic engineering. I.V.Popov. Meteor.i gidrol. no.4:16-24 Ap '64.

Hydraulic engineering design of an irrigation and drainage system with automatic control of moisture conditions. A.D.Savarenskii. Dokl.TSKHA no.87:37-43 '63.

Hydraulic index of channel x. IU.G.Ivanenko. Vop. gidr. no.11:67-70 '63.

Nikolaev, IU.G., and V.S.Sinedubskii. [Twenty steps into tomorrow] Dvadtsat' stupenek v zavtra. Moskva, Sovetskaia Rossiia, 1964. 278 p. (Biografiia stroek kommunizma)

HYDRAULIC JUMP

Effect of roughness at the bottom of the water current on the length of the hydraulic jump. M.S.Vyzgo, IU.M. Kuz'minov. Vop.gidr. no.12:5-13 '63.

Length of the hydraulic jump in an expanding rectangular channel. F.I.Ignatenko. Izv.vys.ucheb.zav.; stroi. i arkhit. 6 no.8:56-64 '63.

HYDRAULIC MACHINERY

Effective use of hydraulic machinery in industrial construction. V.S.Khablov. Prom.stroi. 41 no.12:40-41 D '63.

Stability of the motion of rotors of hydraulic machines on short supports of liquid friction. I.B.Karintsev. Dop.AN URSR no.3:327-331 '64.

HYDRAULIC MEASUREMENTS—STUDY AND TEACHING

Kuzub, G.IA. [Manual on training practice in hydraulic measurements for students of the Novosibirsk Institute of Engineers of Railroads Transportation] Rukovodstvo po uchebnoi gidrometricheskoi praktike dlia studentov NIIZhTa. Pod red. K.N.Korzhavina. Novosibirsk, Novosibirskii in-t inzhenerov zhel-dor. transp. 1963. 30 p.

[MICROFILM]

HYDRAULIC MINING

Characteristics of the climatic conditions of hydraulic sections of Kuznetsk Basin mines. A.A.Miasnikov, O.I.Cherviak. Nauch.soob.VostNII no.3:3-12 '63.

Descentional ventilation of workings in hydraulic mines. M.P.Kukharskii, IU.N.Gerashchenko. Ugol' 38 no.12:39-41 D '63.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Compactness of hydraulic giant jets and selection of the optimum diameter of nozzles. V.F.Khnykin. Ugol' 39 no.3:26-29 Mr '64.

HYDRAULIC MINING—TERMINOLOGY

Terminology for hydraulic systems of mining coal seams. P.IA.Sredniakov. Ugol' 39 no.3:29-31 Mr '64.

HYDRAULIC MODELS

Study of the ventilation of blind room workings by means of hydraulic models. G.IU.Laigna. Izv.vys.ucheb. zav.; gor.zhur. 6 no.12:26-30 '63.

HYDRAULIC PRESSES

Causes for the breakdown of a hydraulic press. V.S. Kazachkov, B.S.TSfas. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz.Kuib.sel'khoz.inst. no.1:131-133 '62.

Dobrinskii, N.S. [Modern hydraulic forging presses; survey of foreign engineering] Sovremennye gidravlicheskie kovochnye pressy; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 100 p. (Tema 7)

[MICROFILM]

HYDRAULIC PRESSES—STANDARDS

Sheet-bending hydraulic presses. A.V.Lopatin. Standartizatsiia 28 no.3:46-47 Mr '64.

HYDRAULIC STRUCTURES

Calculation of well-type water energy dampers. M.A. Mikhalev. Izv.vys.ucheb.zav.; energ. 7 no.1:91-97 Ja '64.

HYDRAULIC TURBINES

Action of water on the blades of a hydraulic turbine in presence of vibrations. P.P.Kul'mach. Izv.vys.ucheb. zav.; energ. 7 no.1:86-91 Ja '64.

Design of a protective component of the guide blade of a hydraulic turbine. I.I.Shriro. Energomashinostroenie 9 no.3:41-43 My '63.

Hydraulic turbines for the Krasnoyarsk Hydroelectric Power Station. M.I.Gal'perin. Energomashinostroenie 9 no.3:43 Mr '63.

Svinarev, G.A. [High-pressure axial-flow Kaplan turbines] Vysokonapornye povorotnolopastnye gidroturbiny osevogo tipa. Kiev, Izd-vo AN USSR, 1964. 134 p.

HYDRAULICS

(see also subdivision under Karakum Canal; Ukraine)

Formation of channels in the bends of streams. TSzen TSin-khua [Tseng Ching-hua]. Dokl.TSKHA no.87:327-332 '63.

Principles of the automatic control of the separation of homogeneous liquid and gas mixtures. E.IA.Susanov, IU.A.Alekseev. Trudy KF VNII no.8:60-79 '62.

Velocity structure of a turbulent flow in shallow erosion craters in the process of their formation. V.O. Bazilevych. Dop.AN URSR no.3:335-339 '64.

HYDRAZINE

Electron maramagnetic resonance of meta-substituted α-,α-diphenyl-β-picrylhydrazyl. IU.M.Ryzhmanov and others. Dokl.AN SSSR 156 no.1:106-109 My '64.

HYDRAZOIC ACID

Detonation velocity of liquid hydronitric acid. G.S.IAkovleva and others. Dokl.AN SSSR 156 no.1:152-153 My '64.

HYDROBIOLOGY

Symposium on Biogenic Elements. IU.I.Sorokin. Vest. AN SSSR 34 no.1:90-91 Ja '64.

HYDROCARBON OILS

(see also subdivision under Bashkiria)

Coking gas oils as a crude for catalytic cracking. P.K. Zmievskii, V.I.Dal'. Nefteper.i neftekhim. no.4:6-10 '64.

Studying the composition of gasolines derived from the catalytic cracking of high-paraffin kerosene gas oil. O.I.Svetozarova and others. Trudy GrozNII no.15:344-350 '63.

HYDROCARBONS

Carboxyalkylation of aromatic hydrocarbons in the presence of ferric chloride. I.M.Kovina, I.P.TSukervanik. Uzb.khim.zhur. 8 no.2:33-37 '64.

Composition and structure of alkyl aromatic hydrocarbons obtained in the course of the production of azolyat A. M.A.Ashimov and others. Azerb.khim. zhur. no.1:111-115 '64.

Crude for obtaining synthetic naphthenic acids. G.F. Pal'chikov, P.G.Igonin, M.A.Pashenko. Trudy GrozNII no.15:294-297 '63.

Determining C_2-C_5 hydrocarbons in gasolines by gas-liquid chromatography. M.A.Kolbin, K.N.Mamaeva, F.R.Khabirov. Nefteper.i neftekhim. no.4:18-21 '64.

Economics of the production of aromatic hydrocarbons from eastern oils. V.V.Sredin. Nefteper.i neftekhim. no.4:25-30 '64.

Effect of a concentration of n-paraffins in a hydrocarbon mixture on complexing with urea in a water solution. F.A.Chegodaev, B.V.Klimenok. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:55-59 '64.

Effect of aromatic hydrocarbons on the distribution of the products of gasoline pyrolysis. S.E.Itsek, T.N. Mukhina, N.L.Barabanov. Khim.prom. no.3:163-165 Mr '64.

Effect of the fractional composition on the rate of the extraction of aromatic hydrocarbons. I.S.Vol'fson and others. Nefteper.i neftekhim. no.3:29-30 '64.

Extracting aromatic hydrocarbons using a rotor-disk contactor. IU.F.Sokov and others. Trudy BashNII NP no.6:207-217 '63.

Hardening in obtaining acetylene from hydrocarbon raw materials. A.S.Lapidus. Nefteper.i neftekhim. no.11:31-35 '63.

Heat of formation of spirocyclane hydrocarbons. M.P. Kozina and others. Dokl.AN SSSR 155 no.5:1123-1125 Ap '64.

HYDROCARBONS (Continued)

[illegible] content of straight-run gaso[illegible] of the Northern Caucasus. E.S. [illegible] Trudy GrozNII no.15:333-343 [illegible]

[illegible] hydrocarbons of gasoline from [illegible] field (Layer I). M.I.Osipova, [illegible], [illegible] Uzb.khim.zhur. 8 no.2; [illegible]

[illegible] paraffin hydrocarbons. P.G.Igonin and [illegible] Trudy GrozNII no.15:323-332 '63.

[illegible] hydrocarbons. P.G.Igonin and [illegible] Trudy GrozNII no.17:293-302 '63.

[illegible] the chemical industry with aromatic hydrocar[illegible] G.F.Borisovich, Z.S.Kalashnikova. Khim. prom. no.3:161-163 Mr '64.

[illegible] hydrocarbons and their derivatives in the [illegible] reaction. S.L.Sosin, V.V.Korshak, D.G.Val[illegible] Dokl.AN SSSR 155 no.2:376-378 Mr '64.

Re[illegible] of high-molecular weight aliphatic ketones to [illegible] in the presence of aluminosilicate catalysts. [illegible] A.I.Bogomolov, E.M.Faizullina. Dokl.AN SSSR 155 no.5:1152-1154 Ap '64.

HYDROCARBONS—ANALYSIS
(see also subdivision under **Gazli Gas Field**)

Investigating the individual hydrocarbon composition of gasolines. M.N.Teleshova, R.V.Vigalok, A.A.Vasil'eva. Neftepер.i neftekhim. no.11:27-30 '63.

HYDROCHLORIC ACID

Determination of free hydrochloric acid in the presence of organic acids and chlorides. F.M.Aksel'rod. Vop. pit. 21 no.6:84-85 N-D '62.

Effect of temperature on the corrosion resistance and electrode potentials of metals in acid media. Part 5: Copper in hydrochloric acid solutions. V.A.Khitrov, I.E.Smol'ianinov. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:51-55 '64.

HYDROCINNAMIC ACID

Benzylamine-N,N-acetoacetic acid. R.P.Lastovskii, I.D.Kolpakova, N.I.Ivanova. Metod.poluch.khim.reak. i prepar. no.6:52-63 '62.

HYDRODYNAMICS

Calculating the fluid and wall temperatures during flow in tubes with allowance for axial heat conduction. L.G. Genin. Teplofiz.vys.temp. 1 no.2:247-253 S-O '63.

Effect of chain branching on the character of the molecular weight dependence of the hydrodynamic parameters of macromolecules [with summary in English]. I.IA. Podkabnyi, V.A.Grechanovskii. Vysokom.soed. 6 no.1:54-58 Ja '64.

Heat transfer in transverse flow past a bank of tubes. V.I. Subbotin, V.E.Minashin, E.I.Deniskin. Teplofiz. vys.temp. 1 no.2:238-246 S-O '63.

Hydraulic resistance in surface boiling of water in annular channels. A.P.Ornatskii, L.F.Glushchenko. Teplofiz.vys.temp. 1 no.2:260-266 S-O '63.

Hydraulic resistance of media with channel porosity. N.U.Koda. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.5:60-63 '63.

Hydrodynamics of the bed of some plant materials. T.A. Zamorueva. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:148-155 '64.

Hydrodynamics of the intrarotor flow in tubular supercentrifuges. V.I.Sokolov, A.A.Rusakova. Izv.vys. ucheb.zav.; pishch.tekh. no.2:96-100 '64.

Keldysh, M.V., and L.I.Sedov. [Application of the theory of functions of a complex variable to hydrodynamics and aerodynamics; review of some works of the Moscow school] Prilozheniia teorii funktsii kompleksnogo peremennogo k gidrodinamike i aerodinamike; obzor nekotorykh rabot Moskovskoi shkoly. Moskva, Izd-vo "Nauka," 1964. 45 p.

One-dimensional unsteady motion of a liquid with cavitation starting and developing. B.S.Kogarko. Dokl.AN SSSR 155 no.4:779-782 Ap '64.

"Physics of shock waves and high-temperature hydrodynamic phenomena" by IA.B.Zel'dovich and IU.P. Raizer. Reviewed by D.A.Frank-Kamenetskii. Usp. fiz.nauk 82 no.4:773-774 Ap '64.

Reduction of the nonlinear hydroelasticity problem to the solution of a system of linear differential equations [with summary in English]. I.T.Selezov. Dop.AN URSR no.2:185-188 '64.

Some results of the study of the flow around pipelines. D.V.Shterenlikht. Dokl.TSKHA no.87:271-276 '63.

Studying the flow around the pipelines laid on the bed of water streams with free surfaces. N.N.Kremenetskii, D.V.Shterenlikht. Dokl.TSKHA no.87:245-250 '63.

Waves in a viscous fluid due to a periodic moving system of pressures. L.V.Cherkesov, V.V.Pastushenko. Dokl.AN BSSR 8 no.1:18-20 Ja '64.

HYDROELECTRIC POWER

Economic valuation of land used for waterpower construction works [with summary in English]. I.K.Smirnov, Z.S.Marinov, A.G.Santalov. Vest.LGU 19 no.5:37-46 '64.

HYDROELECTRIC POWER STATIONS
(see also **Krasnoyarsk Hydroelectric Power Station; Kzyl-Orda Hydroelectric Power Station; Mamakan Hydroelectric Power Station; Saratov Hydroelectric Power Station; Sarykurgan Hydroelectric Power Station; Volga Hydroelectric Power Station (22d Congress of the CPSU); Volkhov Hydroelectric Power Station; Votkinsk Hydroelectric Power Station**)

Modeling of hydrologic series and calculation of the regulation of the runoff by cascades of hydroelectric power stations over a period of years. A.Sh.Reznikovskii. Izv.AN SSSR.Energ.i transp. no.2:255-265 Mr-Ap '64.

Utilization, calculation, and forecasting of the accumulation of debris in the hydroelectric power stations in the U.S.S.R. based on the zoning principle. Z.V. Serebriakova. Dokl.TSKHA no.87:359-365 '63.

HYDROFLUORIC ACID

Mechanism of zirconium dissolution in acid fluoride solutions. V.A.Gil'man, IA.M.Kolotyrkin. Dokl.AN SSSR 155 no.5:1155-1158 Ap '64.

HYDROGEN

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No.37: Alkylation of cycloolefins and benzene by means of a mixture of carbon monoxide and hydrogen in the presence of a cobalt-thorium catalyst. IA.T.Eidus, B.K. Nefedov, A.V.Lobzova. Izv.AN SSSR.Ser.khim. no.4: 726-733 Ap '64.

Distribution of hydrogen in the upper atmosphere and terrestrial corona. L.M.Fishkova, N.M.Martsvaladze. Astron.tsir. no.253:1-4 Jl '63.

Heavy-current hydrogen ion injector. R.A.Demirkhanov and others. Prib.i tekh.eksp. 9 no.2:19-21 Mr-Ap '64.

Influence of pressure on the thermal effect of the synthesis of methanol from carbon oxide and hydrogen. IA.S.Kazarnovskii, S.A.Mikhailova, D.B.Kazarnovskaia. Khim.prom. no.3:183-187 Mr '64.

Mechanism and equilibrium conditions of nickel ferrite reduction by hydrogen [with summary in English]. G.P.Popov, G.I.Chufarov. Zhur.fiz.khim. 37 no.3: 586-594 Mr '63.

Methodology of measuring the dissociation cross sections of fast H_2^+ ions passing through gaseous targets. B.N. Makov, L.I.Elizarov, E.A.Dmitriev. Prib.i tekh. eksp. 9 no.2:126-127 Mr-Ap '64.

HYDROGEN—ANALYSIS

Coulometric microdetermination of hydrogen in organic compounds [with summary in English]. G.F.Anisimova, V.A.Klimova. Zhur.anal.khim. 18 no.3:412-413 Mr '63.

HYDROGEN BONDING

Intramolecular hydrogen bonding and the dipole moments of organic compounds. Part 1. A.E.Lutskii, L.A. Kochergina, B.A.Zadorozhnyi. Zhur.fiz.khim. 37 no.3:671-674 Mr '63.

Relationship between the valence vibration frequencies of water molecules and the hydrogen bonding energy. G.V.IUkhnevich, A.V.Kariakin. Dokl.AN SSSR 156 no.3:681-684 '64.

Selective interaction in polymer chains. Part 3: Fluctuational amorphoris networks in solutions of polymers capable of interchain hydrogen bonding. [with summary in English]. IU.N.Panov, K.E.Nordbek, S.IA.Frenkel'. Vysokom.soed. 6 no.1:47-51 Ja '64.

Spectroscopic study of hydrogen bonding in polymers of o- and p-carbethoxyphenylmethacrylamide and the molecular chain conformation [with summary in English]. V.N.Nikitin, N.A.Sharonova. Vysokom.soed. 6 no.1: 144-148 Ja '64.

HYDROGEN-ION CONCENTRATION

Changes in the ζ-potential of quartz in the presence of modifying agents and a cation collector. A.N.Dolzhenkova, G.S.Strel'tsyn. Trudy Mekhanobr no.131:24-42 '62.

Changes in the oxidation-reduction potential in media during submerged culture of paratyphoid bacteria [with summary in English]. N.I.Shapiro, M.I.Dudkina, L.V.Trofimova. Zhur.mikrobiol., epid.i immun. 40 no.9:97-101 S '63.

Determining the reaction of culture media by the apparatus of N.I.Aliamovskii. V.M.D'iachenko. Lab.delo 8 no.7:46-47 Jl '62.

Effect of pH of the medium on the rate of corrosion and anodic dissolution of cobalt. Z.A.Iofa, Vei Bao-min [Wei Pao-ming]. Zhur.fiz.khim. 36 no.11:2556-2560 N '62.

Effect of the pH of a medium on the interaction of an artificial soil aggregation agent with montmorillonite clay. E.A.Aripov, M.A.Sarukhanov, K.S.Akhmedov. Uzb.khim.zhur. 8 no.2:62-65 '64.

Intensifying the process of neutralizing pickling solutions and acid washing waters. S.N.Gants, A.I.Luk'ianitsa, IA.A.Serebrianyi. Stal' 23 no.2:282-283 Mr '64.

Ion exchange system H^{+}, Ca^{++} ‖ R^{-}, Cl^{-}-H_2O investigated by the ray method. A.V.Nikolaev, V.L.Bogatyrev, A.I.Vulikh. Dokl.AN SSSR 155 no.3:607-610 Mr '64.

Radiotelemetric study of the pH in the digestive tract. E.B.Babskii and others. Dokl.AN SSSR 156 no.1:222-224 My '64.

Relationship between the active acidity (pH) of gastric content and the type of food. M.F.Rumiantseva. Vop. pit. 21 no.5:20-26 S-O '62.

Silver chloride half-cell and the method for determining its standard potential in the circuits without transfer. D.K.Kollerov, N.V.Kuznetsova, I.L.Skorik. Trudy inst.Kom.stand., mer i izm.prib. no.68:42-58 '63.

Skin surface pH changes under the influence of acetone, benzine and white spirit [with summary in English]. V.I.Rogailin. Vest.derm.i ven. 37 no.5:20-25 My '63.

Spectrophotometric method of determining the pH value of the beginning of dissolution and precipitation of dysprosium hydroxide. P.N.Kovalenko, K.N.Bagdasarov. Zhur.prikl.khim. 37 no.4:735-741 Ap '64.

Standard buffer solutions and the determination of their pH in the temperature range of 0 to 95°C. V.V. Aleksandrov and others. Trudy inst.Kom.stand., mer i izm.prib. no.68:59-70 '63.

Standardization of the pH scale. V.V.Aleksandrov, D.K.Kollerov, I.L.Skorik. Trudy inst.Kom.stand., mer i izm.prib. no.68:34-41 '63.

Stationary potentials of electrolytic nickel in sulfuric acid solutions saturated with hydrogen. R.Slizys, J.Matulis. Trudy AN Lit.SSR.Ser.B no.1:33-40 '63.

HYDROGEN ISOTOPES

Temperature dependence of isotopic effects in the structural properties of hydrogen isotopes [with summary in English]. R.F.Bulatova, V.S.Kogan. Zhur.eksp.i teor.fiz. 46 no.3:840-842 Mr '64.

HYDROGEN PEROXIDE

Oxidation of cyclohexylamine by hydrogen peroxide to cyclohexanone oxime. I.V.Antipina, S.N.Kazarnovskii. Khim.prom. no.3:166-170 Mr '64.

State of the surface and mechanism of the self-dissolution of germanium in hydrogen peroxide solutions. A.A.IAkovleva, T.I.Borisova, V.I.Veselovskii. Zhur. fiz.khim. 36 no.11:2541-2544 N '62.

HYDROGEN SULFIDE

Determination of hydrogen sulfide in the gases of the Korobkovo field. P.V.Mikhal'kov, V.P.Vostrikova. Trudy VNIIG no.2:91-100 '63.

Improving the method for determining the hydrogen sulfide content in gases. E.M.Shul'gina, A.Kh.Anti[illegible]nova, A.E.Bliumshtein. Neftepеr.i neftekhim. no.3: 26-29 '64.

HYDROGEN SULFIDE—THERAPEUTIC USE

Effect of hydrogen sulfide inhalations on the conditioned reflex activity and carbohydrase of the blood in children with rheumatic fever. T.P.Borisova, A.I.Gunina. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:255-259 My-Je '63.

HYDROGENATION

Adhesive tars from hydrogenated phenols. E.V.Glushenkova and others. Trudy VNIIT no.11:120-126 '62.

Hydrogenation of mixtures of unsaturated compounds. V.N.Rozhkova, A.L.Markman. Uzb.khim.zhur. 8 no.2:38-45 '64.

Homogeneous catalytic hydrogenation. Part 2. V.A. Tulupov. Zhur.fiz.khim. 37 no.3:699-701 Mr '63.

Studying the hydrogenation of fractions of industrial isodecyl benzene on a nickel catalyst. V.A.Kupr[illegible], A.Z.Dorogochinskii, N.P.Mel'nikova. Trudy GrozNII no.15:279-293 '63.

Using hydrogenation to purify a hydroforming product of catalysis. R.M.Masagutov and others. Trudy BashNII NP no.6:10-14 '63.

HYDROGENOLYSIS

Synthesis of γ-diketones by conjugated hydrogenolysis. N.I.Shuikin and others. Izv.AN SSSR.Ser.khim. no.4: 750-751 Ap '64.

HYDROGRAPHIC SURVEYING

Comparison of direct and combined intersectings. A.N. Rakhovetskii. Sudovozhdenie no.3:60-72 '63.

HYDROLOGY
(see also subdivision under **Irtysh River; Pripet Valley**)

"Classification of rivers and the hydrological regionalization of the U.S.S.R." by P.S.Kuzin. Reviewed by V.Z. Mozentsev, V.M.Shmakov. Izv.Omsk.otd.Geog.ob-va no.5:201-203 '63.

Evaluation of forecasts, forecasting methods and the quality of the work of a forecaster. S.M.Kozik. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:131-135 '63.

HYDROLOGY—BIBLIOGRAPHY see Bibliography—Hydrology

HYDROLYSIS

Acidolysis kinetics of symmetrical aromatic and aliphatic compounds of mercury. A.N.Nesmeianov, A.E.Borisov, I.S.Savel'eva. Dokl.AN SSSR 155 no.3:603-606 Mr '64.

HYDROLYSIS (Continued)

Hydrolysis kinetics of some N-glycosides. B.N.Stepanenkov, V.A.Ignatiuk-Maistrenko, M.G.Chentsova. Dokl. AN SSSR 154 no.3:650-653 Ja '64.

Hydrolysis method for fat extraction from soft raw fatty substances. S.G.Liberman, V.P.Petrovskii. Trudy VNIIMP no.13:3-25 '62.

Protonation of carbonyl compounds and the mechanism of the acid hydrolysis of esters. V.A.Pal'm and others. Zhur.fiz.khim. 36 no.11:2499-2501 N '62.

Rate of the fermentation hydrolysis of cardiac glycosides as dependent on the structure of aglycons. P.I. Hvozdiak, D.H.Kolesnykov. Dop.AN URSR no.3:352-354 '64.

HYDROMAGNETIC WAVES see Magnetohydrodynamics

HYDROMETEOROLOGY

Reequipping hydrometeorology. E.K.Fedorov. Vest.AN SSSR 34 no.1:16-21 Ja '64.

HYDROPONICS
(see also subdivision under Uzbekistan)

Hydroponics and its advantages. M.Alisov. Ekon.sel'khoz. 35 no.4:44-54 Ap '64.

HYDROXIDES

Fractional separation of hydroxides of some metals from solutions obtained in the acid leaching of local serpentinites. V.N.Gaprindashvili, M.K.Kurdevanidze, D.S.Gvinepadze. Trudy Inst.prikl.khim.i elektrokhim. AN Gruz.SSR 4:45-52 '63.

HYDROXYL COMPOUNDS

Borates in the chemistry of polyhydroxy compounds. IA.IA.Makarov-Zemlianskii, V.V.Maliavkin. Nauch. trudy MTILP no.26:27-34 '62.

HYDROXYLAMINE

Derivatives of hydroxylamine. Report No.6: Synthesis and some reactions of β-aminohydroxyalanine. R.M. Khomutov, M.IA.Karpeiskii, E.S.Severin. Izv.AN SSSR.Ser.khim. no.4:680-685 Ap '64.

Quantitative determination of N-arylhydroxylamines by potentiometric titration with sodium nitrite [with summary in English]. O.P.Shvaika, E.G.Protsenko. Zhur. anal.khim. 18 no.3:410-411 Mr '63.

Separation of protactinium from other elements by extraction with N-benzoylphenylhydroxylamine [with summary in English]. B.F.Miasoedov, E.S.Pal'shin, P.N.Palei. Zhur.anal.khim. 19 no.1:105-110 '64.

HYDROXYLAPATITE

Isolation of influenza virus from allantoic fluid by the method of chromatography on hydroxylapatite [with summary in English]. S.A.Kibardin, V.K.Boldasov. Vop.med.khim. 8 no.6:634-638 N-D '62.

HYDROZOA

Unicellular parasitic stages of the life cycle of Polypodium hydriforme Ussov (Coelenterata) [with summary in English]. E.V.Raikova. Zool.zhur. 43 no.3:409-411 '64.

HYGIENE
(see also subdivision under Transbaikalia)

Naravisevich, Z.A., and N.M.Khodakov. [For the participant of a tourist trip] Uchastniku turistskogo pokhoda. Moskva, Meditsina, 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

HYGIENE—RESEARCH

Review of A.A.Minkh's book "Methods of hygienic research." Z.K.Mogilevchik. Vest.AMN SSSR 18 no.2: 93-94 '63.

HYGROSCOPICITY

Hygroscopic properties of sunflower seeds. E.A.Sharoiko. Masl.-zhir.prom. 30 no.3:6-9 Mr '64.

HYPERGLYCEMIA

Interrelation between the disturbance of the tricarboxylic acid oxidation cycle in the animal organism and the development of diabetes like hyperglycemia [with summary in English]. H.Kh.Matsuka. Ukr.biokhim. zhur. 34 no.1:130-136 '62.

HYPERTENSION
(see also subdivision under Alma-Ata; Semipalatinsk)

Change in the quantity of cholesterol, prothrombin and ascorbic acid in the blood of workers with hypertension during work. M.A.Poliukhov. Zdravookhranenie 7 no.1:24-29 Ja-F '64.

Changes in blood circulation and the filtration and reabsorption function of the kidneys in hypertension under the influence of a biotron. M.D.Kogut. Zdravookhranenie 7 no.1:29-33 Ja-F '64.

Compound pathogenetic therapy of hypertension. N.T. Starostenko. Zdravookhranenie 7 no.1:19-23 Ja-F '64.

Dispensary service for patients with hypertension and peptic ulcers. A.M.Gol'dberg, E.M.Svider, S.IA. Levandovskaia. Zdravookhranenie 7 no.1:58-60 Ja-F '64.

Dynamic investigation of some blood coagulation components in hypertension and atherosclerosis. R.Arykova. Zdrav.Kazakh. 23 no.4:32-36 '63.

Dynamics of catecholamines in rabbit tissues in different forms of experimental hypertension [with summary in English]. S.M.Rukavyshnykova. Ukr.biokhim.zhur. 35 no.1:48-57 '63.

Dynamics of the basal metabolism in hypertension patients during their treatment at the Sukhum health resort. O.A.Dzhagashvili. Sbor.trud.Gos.nauch.-issl.inst. kur.i fizioter. 26:93-98 '63.

Effect of diet and food tests (proteins, fats and carbohydrates) on cardiac activity in patients with coronary sclerosis in combination with hypertensive disease; based on vectocardiographic data. V.A.Trangeizer. Vop.pit. 21 no.5:9-13 S-O '62.

External secretory function of the pancreas in hypertension. M.Mamedova, R.M.Dvornikova, N.A. Egorova. Zdrav.Turk. 8 no.1:14-16 Ja '64.

Hypertensive ulcers of the shin (Martorell's syndrome). O.K.Shaposhnikov, M.I.Krupko. Vest.derm.i ven. 37 no.5:28-30 My '63.

Hypoxemic factor in hypertension and cerebrovascular crises. E.N.Kozlova. Zhur.nevr.i psikh. 64 no.3: 376-379 '64.

Significance of the atmospheric ionization in the complex climatic factors in the treatment of hypertension patients at the TSkhaltubo health resort. L.A.Sergeev. Sbor. trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:135-144 '63.

Surgical treatment of a patent ductus arteriosus complicated by pulmonary hypertension. M.V.Murav'ev and others. Khirurgiia no.1:12-18 '63.

Use of exercise therapy in hypertension in middle aged and elderly persons treated in a polyclinic. S.F. Beliavskaia. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:217-223 My-Je '63.

HYPERTHYROIDISM

Antitoxic function of the liver in thyrotoxicosis before and following radioactive iodine treatment. IU.L.Dozorets. Zdrav.Bel. 9 no.6:30-31 Je '63.

Functional state of the thyroid gland in patients with multiple sclerosis, various demyelinating diseases and thyrotoxicosis. A.L.Valtnere. Zhur.nevr.i psikh. 64 no.3:365-337 '64.

Immediate complications following an operation in connection with toxic goiter. A.S.Birman. Kaz.med.zhur. no.6:9-12 N-D '62.

Remote clinicoballistocardiographic observations on patients with thyrotoxicosis after surgical and conservative treatment. E.N.Dormidontov. Kaz.med.zhur. no.6:16-17 N-D '62.

HYPOPHYSECTOMY

Content of sulfhydryl groups of protein and nonprotein compounds in the blood of hypophysectimized dogs. O.A.Naletova, A.E.Klimentovskaia. Nauch.trudy Riaz.med.inst. 15:80-81 '62.

Correlation of arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med.inst. 15:153-156 '62.

Effect of ephedrine and caffeine on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med.inst. 15:156-158 '62.

Effect of sodium nitrite and pituitrin on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med. inst. 15:159-160 '62.

Reaction of hypophysectomized dogs to some stimulants of the vascular tonus. O.A.Naletova, L.A.Kuznetsova. Nauch.trudy Riaz.med.inst. 15:81-84 '62.

HYPOTENSION
(see also subdivision under Kishinev)

Artificial hypotension during operations for the removal of tumors from the upper respiratory tract and the esophagus [with summary in English]. D.A.Kazanskii. Zhur.ush.,nos.i gorl.bol. 23 no.6:18-23 N-D '63.

Climatotherapy in hypotension at the Kobuleti health resort. D.G.Dateshidze, L.P.Dzhikiia. Sbor.trud.Gos. nauch.-issl.inst.kur.i fizioter. 26:59-62 '63.

Hypotonic states; etiology, clinical aspect and classification. N.S.Molchanov. Zdravookhranenie 7 no.1:10-15 Ja-F '64.

HYPOTHALAMUS—DISEASES

Neurodynamic changes in patients with postinfluenzal lesions in the hypothalamic region during treatment with aminazine and caffeine. V.R.Rubtsova. Nauch. trudy Riaz.med.inst. 15:123-128 '62.

HYPOTHERMIA

Change in the oxidation-reduction processes in the combination of extracorporeal blood circulation and moderate hypothermia. G.M.Kerimov, M.IA.Khodas. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:95-106 '63.

Isolated artificial circulation and deep hypothermia of the brain. T.M.Darbinian, V.F.Portnoi, R.A. Zubareva. Eksper.khir.i anest. 7 no.4:73-80 Jl-Ag '62.

Isolated deep hypothermia of the brain; survey of the literature. V.F.Portnoi. Eksper.khir.i anest. 7 no.4:67-73 Jl-Ag '62.

Muscle glycogen concentrations in experimental hypothermia. V.A.Bernshtein. Zdrav.Kazakh. 22 no.10: 51-54 '62.

Open-heart surgery with selective cerebral hypothermia. P.K.Sen and others. Eksper.khir.i anest. 8 no.4:55-59 Jl-Ag '63.

HYSTERECTOMY

Immediate results of the surgical treatment of uterine fibromyoma. L.A.Malina. Zdrav.Bel. 9 no.6:31-34 Je '63.

HYSTERESIS

Experimental investigation of the parameters of mechanical hysteresis in steel-wire ropes. A.F.Babenko, R.V. Zeliukova. Nauch.zap.Od.politekh.inst. 40:17-27 '62.

IAKIR, IONA EMMANUILOVICH, 1896-1937

Reminiscences of an army commander. N.Mishin. Voen.vest. no.3:126-127 Mr '64.

IAKOVLEV, SERGEI ALEKSANDROVICH, 1878-1957

Sergei Aleksandrovich IAkovlev. S.V.IAkovleva. Mat. VSEGEI.Chet.geol.i geomorf. no.4:9-23 '61.

ICE
(see also subdivision under Amur Valley; Antarctic regions; Franz Josef Land)

Effect of ultraviolet emissivity on the ice-forming activity of a lead iodite aerosol. M.IA.Aksenov, N.O.Plaude. Trudy TSAO no.51:29-32 '63.

Evaporation of meteoric ice bodies. K.P.Staniukovich. Meteoritika no.24:66-69 '64.

ICE—VIBRATION see subdivision under Antarctic regions

ICE INDUSTRY—EQUIPMENT AND SUPPLIES

Ice molds made from glass plastics. N.V.Dem'iankov. Plast.massy no.5:62-64 '64.

ICE ON RIVERS, LAKES, ETC.
(see also subdivision under Balkhash, Lake)

Curving of an unlimited ice field by a temporary static load. D.F.Panfilov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:60-70 '63.

ICE ROADS see Roads, Ice

ICHNEUMON FLIES see subdivision under Armenia; Azerbaijan; Nakhichevan A.S.S.R.

ICHNYA DISTRICT—FIR

Southern balsam fir and Alcock spruce in the Trostianets Arboretum. IU.K.Kirichek. Biul.Glav.bot.sada no.48:105-106 '63.

ICHNYA DISTRICT—SPRUCE

Southern balsam fir and Alcock spruce in the Trostianets Arboretum. IU.K.Kirichek. Biul.Glav.bot.sada no.48:105-106 '63.

ICHTHYOLOGICAL RESEARCH

E.N.Pavlovskii and Soviet ichthyology. B.G.Ioganzen. Vop.ikht. 4 no.1:5-9 '64.

IDENTIFICATION PAPERS FOR EMPLOYEES see Labor passports

IGARKA REGION (KRASNOYARSK TERRITORY)—GEOLOGICAL TIME

Absolute age of Karginskiye sediments (Igarka region). N.S.Sheveleva. Biul.Kom.chetv.per. no.28:167-169 '63.

IGNEOUS ROCKS see Rocks, Igneous

IGNITION DEVICES see Magneto

ILEUM

Meckel's diverticulum and intestinal invagination. Kh.I. Fel'dman, G.R.Preis, G.S.Drach. Kaz.med.zhur. no.6:57-58 N-D '62.

ILEUM—ABNORMITIES AND DEFORMITIES

Congenital dilatation of the ileum. Vest.khir. 90 no.5: 123-124 My '63.

ILEUM—SURGERY

Immediate and late results of resection of the ileocecal angle [with summary in English]. N.I.Tret'iakov. Khirurgiia 39 no.6:75-78 Je '63.

Technique of ileorectal anastomosis following total colectomy; experimental research [with summary in English]. A.A.Vasil'ev. Khirurgiia 39 no.6:102-106 Je '63.

ILEUM—TRANSPLANTATION

Ileocoloplasty following the resection of the left half of the large intestine [with summary in English]. D.A. Elizarov, V.A.Miroshnichenko. Khirurgiia 39 no.6: 97-102 Je '63.

ILI VALLEY—HORSEFLIES

Horseflies in the middle Ili River Valley. U.S.Kuandykova. Paraz.sel'khoz.zhiv.Kazakh. 2:116-120 '63.

ILIAC VEIN—WOUNDS AND INJURIES

Case of a knife wound of the right iliac vein. A.A. Annaev. Zdrav.Turk. 8 no.1:20 Ja '64.

IL'INKA (ALTAI TERRITORY)—DAGGERS

An Andronovo dagger from the village of Il'inka. A. P. Pogozheva. Sov.arkheol. 8 no.2:191-193 '64.

ILMENITE

Proarizonite as a secondary mineral of the supergene alteration of ilmenite. A.D.Bykov. Dokl.AN SSSR 155 no.3:567-570 '64.

IMAGE INTENSIFIERS

Phase-differential distortions in video amplifiers [with summary in English on p.95]. V. P. Kovrigin, N. I. Pogorelov. Tekh.kino i telev. 8 no.5:45-49 My '64.

IMIDAZOLE

Study of the effectiveness of the preparation flagil in the therapy of trichomoniasis in women. I.M.Porudominskii and others. Vest.derm.i ven. 37 no.5:51-53 My '63.

IMMUNITY

Characteristics of the course of radiation sickness in mice subjected to treatment with bone marrow and immunization. O. P. Lebedeva, N. A. Maksimovich. Dokl. AN SSSR 155 no.2:454-456 Mr '64.

Effect of symtomycin on immunogenesis. L.P.Guseva. Sbor.nauch.rab.Arkh.IEMG no.4:37-41 '60.

Indices of antidiphtheria immunity in children having previously had measles or whooping cough, based on the Schick and indirect hemagglutination reactions [with summary in English]. M.S.Lenkina, I.S.Zhdanov. Zhur.mikrobiol.,epid.i immun. 40 no.4:16-19 Ap '63.

Methodology of studying the plasmocyte reaction in immune animals. V.M.Zemskov. Lab.delo no.5:270-272 '64.

Preparation of an antiserum for the determination of C-reactive protein. T.A. Danilova, S.S.Akop'iants. Lab.delo no.5:280-283 '64.

IMMUNOLOGICAL TOLERANCE

Effect of tissue preservation on their immunological properties. L.N.Savchuk. Eksper.khir.i anest. 7 no.4:63-67 Jl-Ag '62.

IMMUNOLOGY

Primary immunological reactivity and its morphogenetic role. O.E.Viazov. Usp.sovr.biol. 56 no.2:249-264 S-O '63.

Some controversial questions in the monograph of V.I. Sachkov, "Immunological methods for the study of rheumatism and other collagen diseases." IU.S. Tatarinov. Vop.med.khim. 8 no.6:646-650 N-D '62.

IMMUNOLOGY—BIBLIOGRAPHY see Bibliography—Immunology

IMPACT

Process of collisions between deformable bodies and its simulation. Part 3. L.V.Bellakov, F.F.Vitman, N.A.Zlatin. Zhur.tekh.fiz. 34 no.3:519-522 Mr '64.

Some periodic movements and the structure of the phase space of an impact-vibration system with a regularly recovered force. I.I.Bykhovskii and others. Izv. AN SSSR.Mekh.i mashinostr. no.2:161-165 Mr-Ap '64.

IMPERIALISM

Leont'ev, L. A. [Leninist studies of imperialism] Leninskoe issledovanie imperializma. Moskva, Izd-vo "Nauka," 1964. 371 p.

INA VALLEY—BRONZE AGE

A new region of the Karasuk Culture. A.I.Martynov. Sov.arkheol. 8 no.2:122-133 '64.

INCANINE

Effect of the alkaloids incanine and trichodesmine on the development of Ehrlich's ascitic carcimona. R.M. Ikramova. Nauch.trudy SamMI 21:128-130 '62.

INCAS—ART

Recently discovered monuments of the culture of ancient America. O. Prokof'ev. Iskusstvo 26 no.12:74-76 '63.

INCENTIVES IN INDUSTRY

Akademiia navuk BSSR, Minsk. Instytut ekonomiki. [Labor incentives in a socialist society] Stimulirovanie truda v sotsialisticheskom obshchestve. Minsk, Izd-vo "Nauka i tekhnika," 1964. 190 p.

INCLINOMETER

Miniature semiconductor inclinometer. V.M.Mernykh. Sbor.luch.rats.predl. pt.2:53-55 '63.

Simplified connecting attachment to the hydroscopic IG-2 inclinometer. P.IU.Grechin. Sbor.luch.rats.predl. pt.2:55-56 '63.

INCOME see subdivision under Lithuania; Ukraine

INCOME—CONGRESSES

Academic conference on the reproduction of the national product and national income in the Union Republics. V.Rutgaizer. Vop.ekon. no.4:153-157 Ap '64.

Interrepublic Conference on the Reproduction of Social Product and National Income in the Union Republics. I.Tereshchenko. Ekon.Rad.Ukr. no.2:118-119 Mr-Ap '64.

INCOME TAX see subdivision under Krasnodar Territory

INCUNABULA

The origin of book printing in Russia. M.N.Tikhomirov. Vop.ist. 39 no.5:28-37 My '64.

INDANDIONE

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Organiskas sintezes instituts. [Phenylin] Fenilin, sbornik statei. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1964. 134 p.
(DNLM)

INDEPENDENT CONTRACTORS

Katanian, N.G. [Independent contracts with service organizations] Dogovor podriada s organizatsiiami bytovogo obsluzhivaniia. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 74 p.

INDEX NUMBERS (ECONOMICS)

First results of an experimental check of the new indices of production volume and labor productivity. A.Rotshtein and others. Ekon.stroi. no.4:31-42 Ap '64.

INDIA—BOUNDARIES—CHINA

[Documents on the problem of the Chinese-Indian border] Sbornik dokumentov po voprosu o kitaisko-indiiskoi granitse. Peking, Izd-vo lit-ry na inostr. iazykakh, 1960. 156 p. fold. map.
(MH-L)

INDIA—COMMERCE—GERMANY, WEST

Trade relations between India and the German Federal Republic [with summary in English]. A.C.Baskin. Vest.LGU 19 no.5:152-157 '64.

INDIA—ECONOMIC ASSISTANCE

"Imperialism and the economic independence of India" by V.I.Pavlov. Reviewed by V.M.Popovkin. Nar.Az.i Afr. no.3:174-176 '64.

INDIA—ECONOMIC CONDITIONS

"Imperialism and the economic independence of India" by V.I.Pavlov. Reviewed by V.M.Popovkin. Nar.Az.i Afr. no.3:174-176 '64.

INDIA—INDUSTRY AND STATE

Industrialization of India and the economic role of the state. Vl.Kondrat'ev. Mir.ekon.i mezhdunar.otn. no.4:23-36 '64.

INDIA—PEASANTRY

New development in the Indian countryside. R.P. Gurvich. Nar.Az.i Afr. no.3:16-26 '64.

INDIAN OCEAN—OCEAN BOTTOM

Bottom relief of the northern part of the Indian Ocean. I.M.Belousov, V.F.Kanaev, N.A.Marova. Dokl.AN SSSR 155 no.5:1174-1177 Ap '64.

INDICAN

Effect of acidophilus milk and some antibiotics on the intensity of the saprogenic processes in the intestines determined from indicanuria data. N.I.Ekisenina. Kaz.med.zhur. no.6:53-54 N-D '62.

INDICTMENTS

Urakov, L.I. [Public accusation and public defense in Soviet criminal procedure] Obshchestvennoe obvinenie i obshchestvennaia zashchita v sovetskom ugolovnom protsesse. Moskva, "IUridicheskaia literatura," 1964. 121 p.

INDIGIRKA VALLEY—ALASKITE

Alaskite massif of porphyrylike granite in the upper Indigirka Valley. V.F.Aliavdin. Trudy VSEGEI 98:32-52 '63.

INDIGIRKA VALLEY—GRANITE

Alaskite massif of porphyrylike granite in the upper Indigirka Valley. V.F.Aliavdin. Trudy VSEGEI 98:32-52 '63.

INDIGO

Methods of investigating the acid-base characteristics of vat acids of indigo and thioindigo. V.G.Abozin, V.V. Karpov. Zhur.prikl.khim. 37 no.4:880-885 Ap '64.

INDIUM

Indium in sulfoantimonites of lead. K.F.Kuznetsov. Trudy IMGRE no.10:92-98 '63.

INDIUM—ANALYSIS

Determination of copper, lead, cadmium, and zinc impurities in extremely pure indium and its salts by the method of amalgam polarography with a stationary electrode [with summary in English]. S.I.Siniakova and others. Zhur.anal.khim. 18 no.3:377-384 Mr '63.

Determination of indium in ores by rhodamine 6G. V.M. Vladimirova, L.S.Razumova. Metod.anal.khim.reak.i prepar. no.4:82-85 '62.

Electrolytic separation of indium on a solid cathode for analytical purposes [with summary in English]. F.I.Kogan, P.N.Kovalenko, Z.I.Ivanova. Zhur.anal.khim. 19 no.1:79-83 '64.

INDIUM ANTIMONIDES

Properties of saturated solid solutions of InSb - CdTe. E.N.Khabarov, P.V.Sharavskii. Dokl.AN SSSR 155 no.3:542-544 Mr '64.

INDIUM ARSENIDES—THERMODYNAMICS

Thermodynamic properties of indium arsenide studied by the electromotive force method. A.S.Abbasov and others. Dokl.AN SSSR 156 no.1:118-120 My '64.

INDIVIDUALISM

Crisis of bourgeois individualism and protestant neo-orthodoxy [with summary in English, p.166]. T.A.Kuz'mina. Vop.filos. 17 no.12:108-116 '63.

INDOLACETIC ACID

Role of β-indolylacetic acid in seed dormancy. T.V. Daletskaia. Dokl.AN SSSR 156 no.3:708-711 '64.

INDOLE

Chromatography of indole derivatives in a thin layer of aluminum oxide and on paper [with summary in English]. A.N.Kost, T.V.Koronelli, R.S.Sagitullin. Zhur.anal.khim. 19 no.1:125-130 '64.

INDOLINOL

Catalytic synthesis of α-pyrrolidyl- and α-octahydroindolyl 3-alkanols. A.A.Ponomarev, M.V.Noritsina, A.P.Kriven'ko. Dokl.AN SSSR 156 no.1:102-105 My '64.

INDONESIA—ECONOMIC CONDITIONS

Leshchenko, L.O. [The country of three thousand islands] Kraina tr'okh tysiakh ostroviv. Kyiv, Tovarystvo "Znannia," URSR, 1963. 46 p.

INDONESIA—FOREIGN RELATIONS—RUSSIA

Prof.P.Savorno visiting the U.S.S.R. B.V.Polevoi. Vest.AN SSSR 34 no.2:113 F '64.

INDONESIA—INVESTMENTS, JAPANESE

Zaibatsu is rushing to Indonesia. L.Skomorokhov. Az.i Afr.seg. 7 no.5:56-57 My '64.

INDONESIA—MARRIAGE CUSTOMS AND RITES

"Every field has its own grasshoppers. . . ." N. Mitrofanov. Az.i Afr.seg. 7 no.5:47-49 My '64.

INDONESIA—POLITICS AND GOVERNMENT

Foundation of the National Party of Indonesia, 1927. V.A.TSyganov. Nar.Az.i Afr. no.3:44-57 '64.

Leshchenko, L.O. [The country of three thousand islands] Kraina tr'okh tysiakh ostroviv. Kyiv, Tovarystvo "Znannia," URSR, 1963. 46 p.

INDUCTION (ELECTRICITY)

Design of inductive pickups and measuring networks for them. L.A.Gekhter, A.K.Zakurdaev. Vop.gidr. no.12:94-111 '63.

INDUSTRIAL BUILDINGS
(see also subdivision under Kiev)

Designing built-up roofs for buildings of industrial enterprises. Biul.stroi.tekh. 20 no.11:12-15 N '63.

Emergency exits for the evacuation of windowless buildings. A.Mikhailov. Pozh.delo no.3:22-23 Mr '64.

Plan of basic regulations on the economic basis of the construction and design features of industrial projects. Biul.stroi.tekh. 20 no.11:5-6 N '63.

Pul'shan, V.M. [Heat insulation of industrial buildings] Teplozashchita promyshlennykh zdanii. Kiev, Gosstroiizdat USSR, 1964. 161 p.

Quality of industrial construction. S.IA.Rovenskii. Prom.stroi. 41 no.12:25-27 D '63.

INDUSTRIAL BUILDINGS—AIR CONDITIONING

Uchastkin, P.V., V.N.Teterevnikov, and D.A. Matelenok. [Air-conditioning of industrial buildings] Konditsionirovanie vozdukha v promyshlennykh zdaniiakh. Pod obshchei red. P.V. Uchastkina. [Moskva] Profizdat, 1963. 422 p.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Industrial districts must be planned comprehensively. E.A.Grechushnikov. Prom.stroi. 41 no.12:4-6 D '63.

Perfecting planning and and organization of design work in industrial construction. N.A.Burmistenko. Biul. stroi.tekh. 20 no.11:32-35 N '63.

Unified standard sections and standard spans for industrial construction. N.P.Baguzov, N.V.Kornilov. Prom. stroi. 41 no.12:6-12 D '63.

INDUSTRIAL CAPACITY see subdivision under Lvov Province

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DISCIPLINE see Labor discipline

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ENGINEERING

The "Program evaluation and review technique" system. Avtom.i prib. no.1:83-86 Ja-Mr '64.

INDUSTRIAL EQUIPMENT

System of multipurpose organizational and technical equipment with interchangeable parts. A.I.Shelengovskii, V.V.Arandarenko, A.I.Dorogavtsev. Stan.i instr. 35 no.4:33-34 Ap '64.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Proper organization of equipment repair. G. Vol'pert. NTO 6 no. 4:20-21 Ap '64.

INDUSTRIAL HYGIENE

Motion pictures in the service of industrial safety and hygiene. F. Fachner. Vsem. prof. dvizh. no. 11:49-50 N '63.

Nauchno-prakticheskaia konferentsiia po problemam promyshelnnoi gigieny. 19th, Moskva, 1963. [Materials of the 19th Moscow Scientific and Practical Conference on Problems of Industrial Hygeine] Materialy. Moskva, Otdel gigieny truda i promyshl. sanitarii Mosgorsanepidstantsii, 1963. 43 p.
[MICROFILM]

Valuable initiative. M. M. Merman. Sov. zdrav. 22 no. 8:38-40 '63.

INDUSTRIAL MANAGEMENT

(see also subdivision under Armenia; Leningrad; Leninogorsk; Lvov Economic region; Moscow; Tajikistan; Uzbekistan; White Russia)

How to uncover potentials at the work area. A. Fokin. Nar. khoz. Sred. Az. 1 no. 2:69-72 F '64.

Kommunisticheskaia partiia Ukrainy. Kharkovskii oblastnoi komitet. Partiinyi arkhiv. [How we worked in the Workers' and Peasants' Inspection] Kak my rabotali v rabkrine. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 70 p.
(NjP)

Markov, A. A. [Practical course in the economics, organization and planning of industrial production] Praktikum po ekonomike, organizatsii i planirovaniiu promyshlennogo proizvodstva. Voronezh, Izd-vo Voronezhskogo univ., 1962. 157 p.
(MH)

On unnecessary structural units, inflated personnel and excessive wages; review of articles and correspondence received by the editor. Fin. SSSR 38 no. 3:60-64 Mr '64.

Standards form the base for high production standards and specialization in industry. N. A. Razumov. Standartizatsiia 28 no. 3:3-6 Mr '64.

Ulitskii, L. I., ed. [Economics of socialist industry; collection of articles] Voprosy ekonomiki sotsialisticheskoi promyshlennosti; sbornik nauchnykh trudov. Moskva, Mosk. gos. ekon. in-t, 1960. 165 p.
[MICROFILM]

Ways to improve the administration of enterprises. G. I. Ipatova, A. G. Budanova. Khleb. i kond. prom. 8 no. 4:19-22 Ap '64.

When volunteers take over; reader's and volunteer correspondents' reports. Sov. profsoiuzy 20 no. 7:27 Ap '64.

INDUSTRIAL MANAGEMENT—MATHEMATICAL MODELS

Use of mathematical methods in economic research and planning: Plenum of the Scientific Council in Moscow. V. V. Kossov. Vest. AN SSSR 34 no. 1:120-121 Ja '64.

Valuable aid for economists. L. P. Miasnikova. Prim. mat. v ekon. no. 2:128-130 '64.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Follow-up of articles published in our periodical. Part. zhizn' Kazakh. 31[i. e. 32] no. 8:80 Ag '62.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL ORGANIZATION

(see also subdivision under Communist Countries; Virgin Territory)

Advantages of the combination of enterprises. T. A. Rashevskii, L. A. Pirogov, N. I. Kogan. Khleb. i kond. prom. 8 no. 4:16-17 Ap '64.

Bakeries should be concentrated under the jurisdiction of one State organization. V. F. Konoplev. Khleb. i kond. prom. 8 no. 4:17-19 Ap '64.

Expand the rights and increase the effectiveness of the "Transflot" agency. A. Dombrovskii. Mor. flot 23 no. 12:14-16 D '63.

Manual for ship captains in the course "Work organization in the merchant marine." N. G. Kovalev. Sudovozhdenie no. 3:111-112 '63.

Methods of estimating the output of rolling mills for a planned period. B. A. Briukhanenko. Stal' 23 no. 6:271-275 Mr '64.

Soviet firms; results and prospects. V. Kamenetskii. Plan. khoz. 41 no. 5:62-67 My '64.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Zaporozh'ye Province)

Instructions on the anticorrosion protection of structural elements of industrial buildings for enterprises handling aggressive media. Biul. stroi. tekh. 21 no. 2:14-15 F '64.

INDUSTRIAL PLANTS—LIGHTING

Calculation of the electric lighting networks of industrial enterprises taking into account voltage losses. N. K. Arkhipov. Prom. energ. 19 no. 2:34-38 F '64.

INDUSTRIAL POWER TRUCKS

Dump cart for the DT-14 tractor. Sbor. nauch.-tekh. inform. no. 3:38-39 '60.

INDUSTRIAL PROCUREMENT—FINANCE see subdivision under White Russia

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SAFETY

Kulikov, I. G. [Safety measures in carbon black producing plants] Tekhnika bezopasnosti v tsekhakh po proizvodstvu sazhi. Moskva, Izd-vo "Khimiia," 1964. 37 p. (Pamiatka po tekhnike bezopasnosti)

Voronina, A. A., V. I. Semenov, and F. A. Motusko. [Manual on the course "Fundamentals of safety and fire-prevention engineering"] Uchebnoe posobie po kursu "Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki." Moskva, Vses. zaochnyi energ. in-t.
Pt. 1. 1963. 372 p.

INDUSTRIAL SAFETY—LAW AND LEGISLATION

Determination of guilt for damages to workers and employees. O. Smirnov. Sov. iust. 28 no. 8:17 Ap '64.

INDUSTRIAL STATISTICS

Akademiia nauk SSSR. TSentral'nyi ekonomiko-matematicheskii institut. [The interbranch balance of production and production distribution of an economic region] Mezhotraslevoi balans proizvodstva i raspredeleniia produktsii ekonomicheskogo raiona. Moskva, Izd-vo "Nauka," 1964. 209 p.

Place of individual countries in the industrial production of the capitalist world. N. Rydvanov. Mir. ekon. i mezhdunar. otn. no. 4:132-134 '64.

Rotshtein, A. I. [Studies on the industrial statistics of the U. S. S. R.] Ocherki promyshlennoi statistiki SSSR. Moskva, Izd-vo "Statistika," 1964. 517 p.

INDUSTRIAL STATISTICS—PROBLEMS, EXERCISES, ETC.

Adamov, V. E., and others. [Collection of problems on industrial statistics] Sbornik zadach po statistike promyshlennosti. Pod red. G. I. Baklanova. Moskva, Izd-vo "Statistika," 1964. 247 p.

INDUSTRIAL TELEVISION

Television in power engineering. O. D. Bychkov. Energ. i elektrotekh. prom no. 1:66-75 Ja-Mr '64.

Television methods for automatic control of geometrical parameters of controlled systems. E. M. Antoshchenko and others. Avtom. i prib. no. 1:73-78 Ja-Mr '64.

INDUSTRIAL TELEVISION—EQUIPMENT AND SUPPLIES

The CSF-CCSF industrial television receivers. Avtom. i prib. no. 1:89-90 Ja-Mr '64.

INDUSTRIAL TOXICOLOGY

Caution: toxic chemicals! IU. Kagan. Sov. profsoiuzy 20 no. 8:46 Ap '64.

INDUSTRIAL WASTES

(see also subdivision under Czechoslovakia)

Detarring the phenol waste waters from thermal processing of oil shales by pressure flotation. L. E. Volkov, L. I. Shmidt. Trudy VNIIT no. 11:284-288 '62.

Disposal of industrial waste waters as a method of preventing the pollution of bodies of water. B. I. Ivanov, V. V. Zhakhov. Trudy VNIIT no. 11:277-283 '62.

Method for the utilization of phenols and formaldehyde contained in the waste waters from the production of phenol-formaldehyde resins. I. A. Egorov, L. P. Pavlovskaia. Lakokras. mat. i ikh prim. no. 1:86-87 '64.

INDUSTRIAL WASTES—PURIFICATION

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu. [Purification of waste waters] Ochistka stochnykh vod. Moskva, 1963. 56 p.
[MICROFILM]

Purification of waste waters in filter-settler structures. T. B. Poliakova. Bum. prom. no. 4:21-23 Ap '64.

Settling system for flume waste waters with mechanical removal of sediments. A. V. Pokanevich. Sakh. prom. 37 no. 12:17-20 D '63.

INDUSTRIAL WASTES—PURIFICATION—BIBLIOGRAPHY see Bibliography—Industrial wastes—Purification

INDUSTRIES, LOCATION OF

Zubkov, A. I. [Characteristics of the distribution of industrial enterprises in the R. S. F. S. R. during the building of communism] Osobennosti razmeshcheniia promyshlennosti RSFSR v period postroeniia kommunizma. Moskva, Sovetskaia Rossiia, 1964. 159 p.

INDUSTRY

Against restrictions on trade. Milos Sehnal. Vsem. prof. dvizh. no. 11:31-36 N '63.

Brief news. Mir. ekon. i mezhdunar. otn. no. 4:113-115 '64.

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor.: Ekon. prom. no. 5 My '64.

INDUSTRY—BIBLIOGRAPHY see Bibliography—Industry

INDUSTRY AND STATE see subdivision under India

INEQUALITIES (MATHEMATICS)

Impossibility of certain inequalities between functional norms. K. K. Golovkin. Trudy Mat. inst. 70:5-25 '64.

INERTIAL NAVIGATION

Errors of inertial navigation systems. V. D. Andreev. Izv. AN SSSR. Tekh. kib. no. 2:159-174 Mr-Ap '64.

INERTIAL NAVIGATION (AERONAUTICS)

Bodner, V. A. [Theory of automatic flight control] Teoriia avtomaticheskogo upravleniia poletom. Moskva, Izd-vo "Nauka," 1964. 698 p.

Perm. Politekhnicheskii institut. Kafedra gidroskopicheskikh priborov i ustroistv. [Physical fundamentals of inertial navigation; manual for students of the subject "Gyroscopic instruments and devices"] Fizicheskie osnovy inertsial'noi navigatsii; posobie dlia studentov spetsial'nosti "Gidroskopicheskie pribory i ustroistva." Perm'.
Pt. 1. 1963. 30 p.
[MICROFILM]

INFANTS—CARE AND HYGIENE

Development of biological problems in the field of pediatrics. Z. I. Biriukova, M. IA. Studenikin. Pediatriia 42 no. 9:3-7 S '63.

INFANTS—DISEASES

Outbreak of colienteritis among breast-fed children caused by an enteropathogenic strain of Escherichia coli of the serotype O-111 B_4. L. P. Vakhrameeva. Sbor. nauch. rab. Arkh. IEMG no. 4:28-32 '60.

Primary hypernephroid cancer of the liver in an infant. A. F. Zverev. Vest. khir. 90 no. 5:122-123 My '63.

Tuberculosis of the ear in a four-month-old infant. A. Dadamukhamedov. Zhur. ush., nos. i gorl. bol. 23 no. 6:77-78 N-D '63.

INFANTS (NEWBORN)—DISEASES

Colienteritis in newborn infants caused by a rare serological type O111:B4:H12 Escherichia coli [with summary in English]. E. M. Novgorodskaia, L. B. Khazenson, K. I. Krivonosova. Zhur. mikrobiol., epid. i immun. 40 no. 9:116-119 S '63.

INFANTS (NEWBORN)—SURGERY

Intratracheal nitrous oxide anesthesia in newborn infants and children [with summary in English]. V. S. Bairova, R. V. Lukovskii. Vest. khir. 90 no. 5:100-104 My '63.

INFANTS (PREMATURE) see subdivision under Pskov Province

INFECTION

Some epidemiological characteristics of infections caused by conditioned pathogenic agents. G. G. Sokolovskaia. Zhur. mikrobiol., epid. i immun. 40 no. 9:144-146 S '63.

INFLAMMATION

Change in the inflammational reaction in the process of immunization; experiments with Candida albicans. A. V. TSinzerling. Dokl. AN SSSR 156 no. 1:177-178 My '64.

Technic of the diphenylamine test. M. Kh. Khazanov. Lab. delo 8 no. 9:44-48 S '62.

INFLORESCENCE

Deviations in the structure of barley flowers. T. I. Strel'chenko, I. V. Koval'. Ukr. bot. zhur. 20 no. 5:93-95 '63.

INFLUENZA

(see also subdivision under Archangel; Cheboksary; Chelyabinsk; Dushanbe; Erivan; Kemerovo; Moscow; Orenburg; Samarkand; Tashkent; Transcarpathia; Volgograd; White Russia)

"Asian" influenza among schoolchildren. V. G. Slepushkina. Vop. med. virus. no. 5 pt. 2:32-33 '58.

Clinical aspect and psychopathology of influenzal psychoses proceeding with the syndrome of psychic automatism. M. G. Guliamov. Trudy Dush. med. inst. 61:60-78 '63.

Data on the use of dibazol for the prevention of influenza in children's collectives during the 1962 epidemic. L. IA. Ebert, A. D. Brisker, S. A. Rabkina. Kaz. med. zhur. no. 6:44-45 N-D '62.

Determination of the diagnostic importance of hemagglutination reaction with washings from persons vaccinated with a type B, strain KRI vaccine cultivated in tissues of human embryos. A. N. Lozhkina. Vop. med. virus. no. 5 pt. 2:67-70 '58.

Differential diagnosis of influenza and acute catarrhs of the respiratory tracts. N. N. Orlova. Vop. med. virus. no. 5 pt. 2:62-67 '58.

Electrophoretic study of the serum proteins in viral influenza A2 [with summary in English]. I. K. Musabaev, D. M. Guseva. Zhur. mikrobiol., epid. i immun. 40 no. 4:38-43 Ap '63.

INFLUENZA (Continued)

Epidemiological and serological characteristics of influenza outbreaks during 1955-1957. N.N.Orlova, N.H.Azarova. Vop.med.virus. no.5 pt.2:3-7 '58.

Epidemiological characteristics of influenza A_2 among schoolchildren. V.V.Ritova, N.N.Sokolova, A.V. Orlova. Vop.med.virus. no.5 pt.2:21-25 '58.

Epidemiological observations in an A_2 focus in 1957. M.L.Berliant. Vop.med.virus. no.5 pt.2:37-42 '58.

Materials on the hematology and rhinocytology of influenza in 1957. A.M.Dubmakova. Vop.med.virus. no.5 pt.2:83-86 '58.

Outbreak of epidemic influenza A_2 among juveniles in 1957. V.V. Ritova, A.V.Orlova. Vop.med.virus. no.5 pt.2:28-32 '58.

Results of the preparation of antigens for the purpose of obtaining an anti-influenza serum. N.N.Orlova and others. Vop.med.virus. no.5 pt.2:151-156 '58.

Some epidemiological and etiological characteristics of the 1957 influenza. A.N.Slepushkin. Vop.med.virus. no.5 pt.2:33-36 '58.

INFLUENZA—BIBLIOGRAPHY see Bibliography—Influenza

INFLUENZA—PREVENTION

Effectivness of prophylactic measures during the influenza outbreaks in 1957. A.N.Slepushkin. Vop.med.virus. no.5 pt.2:103-109 '58.

INFLUENZA—PREVENTIVE INOCULATION
(see also subdivision under Kharkov; Krasnodar Territory)

Consideration of the effectiveness of vaccination against influenza. N.N.Orlova, M.K.Kulakova. Vop.med. virus. no.5 pt.2:125-128 '58.

Cross immunity between new and old vaccinal strains of the same type of influenza virus. V.V.Ritova, N.N. Sokolova. Vop.med.virus. no.5 pt.2:118-122 '58.

Harmless nature of the vaccine cultivated in human embryo tissue in relation to subsequent contact transmission by means of droplets. V.V.Ritova. Vop.med. virus. no.5 pt.2:129-133 '58.

Immunogenic properties of slightly virulent variants of virus strains and conditions conducive to the reproduction of complete immunity in experiments. L.IA. Zakstel'skaia. Vop.med.virus. no.5 pt.2:113-117 '58.

Immunological effectiveness of live vaccines and evaluation of serum prophylaxis and serum therapy in an influenza A_1 focus. M.L. Berliant. Vop.med.virus. no.5 pt.2:140-144 '58.

Methods of specific prophylaxis of experimental influenza infection with white mice irradiated with X rays. O.P. Peterson, S.V.Lokhova. Vop.med.virus. no.5 pt.2: 148-151 '58.

Preliminary epidemiological evaluation of a live anti-influenza vaccine of type A_2. IA.S.Kon' and others. Vop.med.virus. no.5 pt.2:122-125 '58.

Serologic reactions in persons inoculated with a live anti-influenza A_2 vaccine. E.I. Brudnaia, L.IA. Zakstel'skaia, K.K.Luneva. Vop.med.virus. no.5 pt.2:133-135 '58.

INFLUENZA—RESEARCH

Work in the department for the control of influenza and acute catarrhs of the respiratory tracts. A.N.Slepushkin, V.A.Starosvetskii, E.V.Chizhkova. Vop.med. virus. no.5:98-103 '58.

INFLUENZA VIRUSES

Differential diagnosis of adenoviruses, and the viruses of herpes, influenza and poliomyelitis. R.S.Dreizin and others. Vop.med.virus. no.5 pt.2:178-183 '58.

Isolation of influenza virus from allantoic fluid by the method of chromatography on hydroxylapatite [with summary in English]. S.A.Kibardin, V.K.Boldasov. Vop.med.khim. 8 no.6:634-638 N-D '62.

Isolation of the influenza virus from the nasopharyngeal washings of patients by means of passages through irradiated embryos. L.A.Mel'nikova. Vop.med.virus. no.5 pt.2:70-71 '58.

INFLUENZA VIRUSES—CULTURES AND CULTURE MEDIA

Changes in the properties of vaccine strains of influenza viruses following their adaptation to human tissues. R.S.Dreizin, N.N.Sokolova, A.N.Akatov. Vop.med. virus. no.5 pt.2:109-113 '58.

Cultivation of the viruses of influenza and acute catarrhs. R.S.Dreizin, A.A.Davydova, M.M.Busniuk. Vop.med. virus. no.5 pt.2:86-89 '58.

Cytopathogenic action of the influenza virus type D in trypsinized and explanted tissue cultures. A.G.Bukrinskaia. Vop.med.virus. no.5 pt.2:89-93 '58.

Effect of different preservation conditions and fillers on the viability of a dried influenza virus. L.S.IAkovleva. Vop.med.virus. no.5 pt.2:93-97 '58.

Use of Ehrlich's ascitic carcinoma cells as adsorbents of the influenza virus. A.N.Lozhkina. Vop.med.virus. no.5 pt.2:71-77 '58.

INFORMATION SERVICES

Engineer in charge of information services of the Scientific Research Institute. G.I.Gol'dgamer, V.A. Kudriashova. NTI no.12:13-18 '63.

Evaluation criteria for scientific information services. M.L.Kolchinskii. NTI no.12:3-11 '63.

Some problems in reference and information work in foreign countries. Part 2. V.N.Demin, S.L.Kruglov. NTI no.12:51-54 '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Formalized language and the criterion of semantic conformity in the "Pusto-Nepusto-4" information retrieval system. E.S.Bernshtein. NTI no.12:31-39 '63.

Mechanized data processing in the press shop of the Moscow Automobile Plant. S.IA.IAkubson. Mekh.i avtom.proizv. 18 no.5:48-50 My '64.

Memory device for time-compression of a signal. IU.S. Trikoz. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:27-33 Ja-F '64.

New system for recording and processing of primary data. D.Broydo. Mekh.i avtom.proizv. 18 no.4:50-53 Ap '64.

INFORMATION THEORY

Accuracy of the measurement of the parameters of a radio signal taking into account the time of the passage of a given level by the output signal of an optimal receiver. E.I.Kulikov. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:117-121 Ja-F '64.

A class of composite cyclic codes with direct realization. O.F.Dmitriev. Radiotekhnika 19 no.4:68-75 Ap '64.

Experimental system for synthesizing speech fragments. L.B.Belozerova. Trudy Inst.elek., avtom.i telem. AN Gruz.SSR 4:51-66 '63.

Incoherent exponential weight storage of pulse signal sequences with a nonsquare envelope. IU.S.Lezin, A.A.Shternov. Radiotekhnika 19 no.4:46-51 Ap '64.

Increase in the accuracy of the estimation of the average value of a harmonic signal with background noise using one segment of realization. A.B.Tatarinov. Radiotekhnika 19 no.4:28-35 Ap '64.

Methods of signal transformation. O.M.Svenson. Avtomatyka 9 no.2:3-15 '64.

Probability density at the input of a multiplier with correlation reception. P.A.Gerastovskii. Izv.vys. ucheb.zav.; radiotekh. 7 no.1:91-96 Ja-F '64.

The psychic image as a signal. L.M.Vekker. Vop.filos. 18 no.3:140-150 '64.

Recognition of speech sounds by means of self-organizing systems with two positive feedbacks [with summary in English]. H.L.Otkhmezuri. Avtomatyka 9 no.2:59-70 '64.

Simulation of information and programs in complex systems [with summary in English, p.185]. N.M.Amosov. Vop.filos. 17 no.12:26-34 '63.

INFORMATION THEORY IN BIOLOGY

Stability of functionally inhomogeneous parts of DNA in relation to ionizing radiation. G.E.Fradkin. Dokl.AN SSSR 155 no.2:457-460 Mr '64.

Synchronous and consecutive information processing in the visual system. V.D.Glezer, A.A.Nevskaia. Dokl. AN SSSR 155 no.3:711-714 Mr '64.

INFRARED DRYING APPARATUS

Maizel', B.I., and B.TS.Okun'. [Thermoelectric infrared drying chamber for the drying of paint coatings] Elektrotermoradiatsionnaia sushil'naia kamera dlia sushki lakokrasochnykh pokrytii. Leningrad, 1963. 29 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: *Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia*, no.6)

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Using infrared rays for the recovery of the friability of frozen freight. D.V.Shatilov. Mekh.i avtom. proizv. 18 no.5:30-32 My '64.

INFRARED RAYS IN NAVIGATION

Making use of infrared techniques in navigation. IU.K. Baranov. Sudovozhdenie no.3:87-89 '63.

INFRARED SPECTRUM see Spectrum, Infrared

INHALATION THERAPY

Anatomicophysiological characteristics of the human and animal respiratory systems in the genesis of immunity following vaccination by the aerosol method. Report no.1: Role of the structure of the airways in the mechanical retention of inhaled material [with summary in English]. IU.S.Pisarevskii. Zhur.mikrobiol., epid. i immun. 40 no.4:57-61 Ap '63.

INHIBITION (CHEMISTRY)

Correlations in the action of inhibitors in oxidation reactions. Part 5: Kinetics of consumption of a-naphthol in the induction period [with summary in English]. B.A.Gromov, V.B.Miller, IU.A.Shliapnikov. Vysokom. soed. 6 no.3:470-472 Mr '64.

Interdependence between the inhibiting properties of phenols and activation energy. A.P.Tkacheva, G.V. Kharitonova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:33-41 '62.

Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. Part I. S.I.Bass, A.M.Zil'berbrandt, A.A.Berlin. Zhur.fiz. khim. 37 no.3:682-685 Mr '63.

INITIATIVE, RIGHT OF

Public opinion and an all-people's law. R.A.Safarov. Sov.gos.i pravo 34 no.4:80-90 Ap '64.

INJECTIONS

Multiaperture injection needle for local infiltrative anesthesia. A.P.Airian. Eksper.khir.i anest. 8 no.4:89-90 Jl-Ag '63.

INJECTIONS, INTRA-ARTERIAL

Complications following intra-arterial blood transfusion. I.B.Teitel'baum. Vest.khir. 90 no.5:137-138 My '63.

INJECTIONS, INTRAVENOUS

An apparatus for intravenous administration of solutions to mice and rats. K.A.Lebedev. Lab.delo 8 no.9:59-61 S '62.

Effect of intravenous injection of a hypertonic urea solution on the blood. M.Sh.Promyslov, S.L.Lipovskii. Vop.neirokhir. 27 no.5:51-53 S-O '63.

INJECTORS

Equipment for injecting steam into reservoirs. Nefteprom.delo no.10:43-44 '63.

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INLAND WATER TRANSPORTATION—LAW AND LEGISLATION

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Collection of laws on inland water transportation] Sbornik zakonodatel'stva po vnutrennemu vodnomu transportu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 173p.

INNOMINATE ARTERY—DISEASES

Surgical technique in experimental substantiation of anonymo-pulmonary anastomosis. B.I.Khubutiia. Khirurgiia no.1:34-40 '63.

Surgical treatment of fistula between the innominate artery and vein. IU.E.Berezov and others. Khirurgiia no.1:43-46 '63.

INNOMINATE VEIN—DISEASES

Surgical treatment of fistula between the innominate artery and vein. IU.E.Berezov and others. Khirurgiia no.1:43-46 '63.

INORGANIC FIBERS

Increasing the elasticity of mineral fibers. IU.L.Spirin. Stroi.mat. 10 no.4:7-8 Ap '64.

INSCRIPTIONS, ARMENIAN

Prince Naman's epitaph [in Armenian with summary in Russian]. S.Barkhudarian. Izv.AN Arm.SSR. Obshchestv.nauki no.1:61-64 Ja '64.

INSCRIPTIONS, CHURCH SLAVIC see subdivision under Kiev

INSCRIPTIONS, TURKIC see subdivision under Soviet Central Asia

INSECT BAITS AND REPELLENTS

Study of chemoreception in insects and ticks. Report No.1: Electrical activity of chemoreceptors of Haller's organ under the action of repellents. IU.A.Elizarov. Nauch.dokl.vys.shkoly; biol.nauki no.2:55-59 '64.

INSECTICIDES
(see also subdivision under United States)

Activity and localization of aliesterase and cholinesterase inside insects. S.A.Roslavtseva, P.V.Popov. Khim. v sel'.khoz. 2 no.2:25-26 F '64.

Arsenic-containing inorganic insecticides and toxic substances. N.G.Berim. Zashch.rast.ot vred.i bol. 9 no.4:32-34 '64.

Chlorophos, thiophos, and methylmercaptophos in the control of aphids and spider mites on medicinal plants. V.I.Nosyrev, N.I.Ostrovskii. Khim.v sel'.khoz. 2 no.2:51-52 F '64.

Effect of temperature on the toxicity of insecticides to larvae of Aedes aegypti L. L.I.Frantsevych, V.M. Loskot. Dop.AN URSR no.3:401-404 '64.

Effective means for the control of chicken mites. B.A. Frolov. Veterinariia 40 no.10:58-61 O '63.

Effectiveness of the joint placement of fertilizers, insecticides, and fungicides for sugar beets. E.I. Andreeva, IU.A.Potatueva. Khim.v sel'.khoz. 2 no.3:18-20 Mr '64.

Experiments in the use of acaricidal preparations in controlling ixodid ticks in pastures. I.I.Pokidov. Trudy Stavr.sel'khoz.inst. no.11:125-130 '62.

Granulated fertilizers combined with insecticides for corn. E.V.Arutiunova. Zashch.rast.ot vred.i bol. 9 no.4:14-16 '64.

Highly refined petroleum oil for summer spraying (sulfonated solar distillate from Balakhany petroleum). S.F.Bezuglyi, V.S.Lukanina. Khim.v sel'.khoz. 2 no.3:27-29 Mr '64.

INSECTICIDES (Continued)

Insecticidal properties of some carbamic acid derivatives. K.G.Shapovalova, Z.I.Maksimova, I.A. Mel'nikova. Khim. v sel'.khoz. 2 no.3:23-27 Mr '64.

Photochemical oxidation of petroleum products used as insecticides. S.F.Bezuglyi, I.G.Sarishvili, G.A. Larina. Khim. v sel'.khoz. 2 no.2:26-29 F '64.

Study on the insecticidal properties of butadione and some data on its content in the blood serum and in dead insects. Report No. 2 [with summary in English]. L.A.Favorova and others. Zhur. mikrobiol., epid. i immun. 40 no.9:84-87 S '63.

Using herbicides along with insecticides for spring wheat. I.M.Zambin. Zashch.rast.ot vred.i bol. 9 no.4:13-14 '64.

NSECTICIDES—CONGRESSES

Conference on toxic substances. G.J.Vanags. Zashch. rast.ot vred.i bol. 9 no.4:57 '64.

NSECTICIDES—TOXICOLOGY

Separate determination of some organophosphorus insecticides with their joint presence in food products of plant origin [with summary in English]. G.IA. Isaeva, K.K.Enoshevskaia, M.A.Trotsenko. Vop.pit. 21 no.6:64-67 N-D '62.

Toxicity of diesters of urethanphosphoric acids to insects and warm-blooded animals [with summary in English]. H.O.IEfimov, IU.S.Kahan. Dop.AN URSR no.2:275-278 '64.

NSECTS

Basic trends in the adaptation of insects to life in a desert [with summary in English]. N.S.Giliarov. Zool.zhur. 43 no.3:443-454 '64.

NSECTS—ANATOMY

Evolution of the cuticle in Arthropoda. M.S.Giliarov, L.M.Semenova. Usp.sovr.biol. 56 no.2:208-227 S-O '63.

NSECTS—EGGS

Artificial infestation of cattle with the eggs of the warble fly Hypoderma bovis DeGeer [with summary in English]. K.A.Breev, V.N.Diadechko. Zool.zhur. 43 no.3:474-479 '64.

NSECTS—PARASITES see Parasites—Insects

NSECTS—PHYSIOLOGY

Biosynthesis of acetylcholine in the nervous and muscle tissue of insects [with summary in English]. S.E. Severin, Liu Shu-sen' [Liu Shu-sên]. Biokhimiia 27 no.6:1086-1091 N-D '62.

NSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL see subdivision under Siberia, Western

NSECTS, INJURIOUS AND BENEFICIAL—CONTROL see subdivision under Siberia, Western

NSECTS AS CARRIERS OF DISEASE

Insects as vectors of human and animal viruses [with summary in English]. A.V.Gutsevich. Zool.zhur. 43 no.3:420-442 '64.

Petrishcheva, P.A., and N.G.Olsuf'ev, eds. [Methods of studying natural focus diseases in man] Metody izucheniia prirodnykh ochagov boleznei cheloveka. Moskva, Meditsina, 1964. 306 p.
(DNLM)

NSTRUMENT INDUSTRY—HYGIENIC ASPECTS see subdivision under Kazan

NSTRUMENT INDUSTRY—MANAGEMENT

Increasing the interchangeability ratio in the instrument industry. N.N.Skvortsov. Priborostroenie no.12:19-20 D '63.

Specialization and cooperation in the manufacture of parts and units for extensive use in the instrument industry. S.A.Sarkisian, V.A.Pokrovskii. Trudy MAI no.154:48-60 '63.

NSTRUMENT INDUSTRY—PRODUCTION STANDARDS

Determining the labor intensity in the manufacture of new articles in the aeronautical instrument industry. N.K. Lebedeva, M.S.Chausova. Trudy MAI no.154:34-47 '63.

NSTRUMENTAL MUSIC—INSTRUCTION AND STUDY

Problems of music education. O.Sokal's'kyi. Mystetstvo 10 no.6:21-23 N-D '63.

INSTRUMENTS

Instruments and technological development. M.E. Rakovskii. Izobr.i rats. no.3:1-2,26 '64.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS—RELIABILITY

Law of the distribution of random values for the calculation of the reliability of wearing elements of machines and instruments. V.N.Treier. Dokl.AN BSSR 8 no.1: 47-50 Ja '64.

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING MATERIALS see subdivision under Moscow Province

INSULATING MATERIALS—THERMAL PROPERTIES

Determining the thermophysical characteristics of materials. E.IU.Brainina. Stroi.mat. 10 no.1:19-20 Ja '64.

INSULATION (HEAT)

(see also subdivision under Pskov Province)

Automated continuous line for the manufacture of mineral wool products. S.M.Batshev, M.G.Cherniakov. Stroi. mat. 10 no.1:23-25 Ja '64.

Characteristics of gluing from plastics. V.M.Khrulev. Stroi.mat. 10 no.1:8-9 Ja '64.

Comparative analysis of heat insulation materials for clothing. P.A.Kolesnikov, K.G.Gushchina. Nauch.-issl.trudy TSNIIShveiproma no.10:3-17 '62.

Fire resistant perlitic concrete. M.F.Sukharev, I.L. Maizel'. Stroi.mat. 9 no.8:24-27 Ag '63.

Geometry of the sample in the determination of the thermal conductivity of building materials using a steady-state method. A.A.Sendetskii. Izv.vys.ucheb.zav.; energ. 7 no.4:75-79 Ap '64.

Mineral wool from waste products of the oil shale industry. Z.I.Volkova, S.N.Ivanova, I.M.Ozerov. Trudy VNIIT no.11:211-217 '62.

Pul'shan, V.M. [Heat insulation of industrial buildings] Teplozashchita promyshlennykh zdanii. Kiev, Gosstroiizdat USSR, 1964. 161 p.

Study of multishield insulation. L.V.Povolotskii, B.A. Arkad'ev. Teploenergetika 11 no.1:36-40 Ja '64.

INSULIN

Chemical method for determining the activity of powdered insulin. N.N.Krylova, K.I.Bazarova. Trudy VNIIMP no.13:112-119 '62.

Effect of insulin on glucose and fructose uptake by isolated fat tissue of the epididymis of normal rats, starved rats, and rats with alloxan diabetes [with summary in English]. K.G.Gromova. Biokhimiia 27 no.6:1106-1110 N-D '62.

Formation of an N-peptide bond in the interaction of o-(benzoylphenylalananyl-1C^{14}) N-benzoylserine with insulin [with summary in English]. M.M.Botvinik, A.P.Andreeva. Biokhimiia 27 no.6:969-976 N-D '62.

INSURANCE—AUDITING AND INSPECTION

In the Collegium of the Ministry of Finance of the U.S.S.R. Fin.SSSR 38 no.4:90-91 Ap '64.

INSURANCE, SOCIAL

(see also subdivision under Latin America; Leningrad; Smolensk Province)

Following Lenin's precepts. Sots.obesp. 25 no.4:2-3 Ap '64.

Let's work with initiative, deliberation and enthusiasm. Sots.obesp. 25 no.4:12-14 Ap '64.

INSURANCE, SOCIAL—EMPLOYEES

To avoid mistakes. N.Fashkeev. Sots.obesp. 25 no.4: 19-21 Ap '64.

INTAKES (HYDRAULIC ENGINEERING)

Effect of the angle of the water intake front on the compression of the flow in water collectors. S.A. Bryzgalov. Dokl.TSKHA no.87:265-270 '63.

Full-scale studies of gravel and sand traps. M.S. Kozhevnikova. Vop.gidr. no.12:112-118 '63.

Hydraulic resistance and the efficient form of rectaxial confusor pipes with a screen before the intake. N.A. Gretsov. Dokl.TSKHA no.87:223-230 '63.

Problem of the possibility of obtaining water from a river during low-water periods with a damless intake of the bucket-type. I.K.Fedichkin and others. Izv. vys.ucheb.zav.; stroi.i arkhit. 6 no.8:139-143 '63.

Some aspects of the modern theory of the hydraulic resistance of channels and their correspondence with experimental data. O.M.Aivazian. Dokl.TSKHA no.87:231-243 '63.

Water intake unit with "trench" for thermal electric power plants. Z.I.Riadova. Vop.gidr. no.11:71-75 '63.

INTEGRAL CALCULUS see Calculus, Integral

INTEGRAL EQUATIONS

Concerning a method for the approximate integration of some kinetic equations. M.I.Gorfinkel', M.D. Lindenbaum. Zhur.fiz.khim. 36 no.11:2472-2474 N '62.

Convolution type equations for a semiaxis. R.D.Bantsuri, G.A.Dzhanashiia. Dokl.AN SSSR 155 no.2:251-253 Mr '64.

One class of nonlinear singular integral equations with Cauchy kernels in a class of functions vanishing at the ends. A.I.Guseinov, Kh.Sh.Mukhtarov. Dokl.AN SSSR 156 no.3:491-494 '64.

Regge trajectories in the Bethe-Salpeter equation [with summary in English]. IU.A.Simonov. Zhur.eksp.i teor.fiz. 46 no.3:985-993 Mr '64.

Relativistic equation for the S-matrix in the p-representation. Part 2. Perturbation theory [with summary in English]. V.G.Kadyshevskii. Zhur.eksp.i teor.fiz. 46 no.3:872-883 Mr '64.

Some approximate methods of solution of nonlinear equations in a coordinate Banach space. N.S.Kurpel'. Ukr.mat.zhur. 16 no.1:115-120 '64.

Theory of Volterra integral equations. A.B.Nersesian. Dokl.AN SSSR 155 no.5:1006-1009 Ap '64.

INTEGRALS

British Association for the Advancement of Science. [Table of powers giving integral powers of integers. Translated from the English] Tablitsy stepenei tselykh chisel. Obrabotka tablits i perevod teksta s angliiskogo K.S.Il'ina i L.I.Sazonovoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. ix, 132 p. tables. (Biblioteka matematicheskikh tablits, no.18)
(RPB)

INTEGRALS, GENERALIZED

Transformations of Dirichlet integrals and space mappings. I.S.Ovchinnikov, G.D.Suvorov. Dokl.AN SSSR 154 no.3:523-526 Ja '64.

INTEGRALS, MULTIPLE

Geometry of Lagrange's variational problem with a double integral in X_4. D.E.Chernyi. Izv.vys.ucheb. zav.; mat. no.1:153-165 '64.

INTEGRODIFFERENTIAL EQUATIONS

Convergence of the collocation method and optimal selection of the collocation points as applied to the integrodifferential equations of equilibrium in the theory of plates [with summary in English]. H.A.Izdebs'ka, M.O.Kil'cheva'kyi. Dop.AN URSR no.4:469-472 '64.

Forced vibrations of a thick conic panel in the nonclassical formulation [with summary in English]. M.O.Kil'cheva'kyi, A.Kh.Konstantynov. Dop.AN URSR no.2:194-197 '64.

General boundary value problems for integrodifferential elliptic systems. M.S.Agranovich. Dokl.AN SSSR 155 no.3:495-498 Mr '64.

INTELLIGENCE SERVICE see subdivision under Germany, West

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

(see also subdivision under Siberia)

Equivalent representation of a group of stations of a complex power system in oscillatory modes of operation. I.A.Orurk. Izv.AN SSSR.Energ.i transp. no.2:191-201 Mr-Ap '64.

INTERFERENCE (SOUND)

Measurement of ultrasonic dispersion in liquids using the interferometric method. K.Baršauskas, V.Ilgūnas, O.Kubiliuniene. Akust.zhur. 10 no.1:25-29 '64.

INTERFEROMETER

Digital interferometer for ultrasonic velocity measurement. R.P.Žilinskas, V.I.Ilgūnas, E.P.Jaronis. Akust.zhur. 10 no.1:118-119 '64.

Lummer-Gehrcke plate for scientific purposes. B.Sh. Perkal'skis. Usp.fiz.nauk 82 no.4:769-770 Ap '64.

Precision interferometer for measuring ultrasonic velocities in liquids in the frequency range 1-12 Mc. V.Ilgūnas, O.Kubiliuniene, A.Japertas. Akust.zhur. 10 no.1:54-59 '64.

Pressure chamber for a Fabry - Perot interferometer. M.S.Kashtan, T.N.Khlopina. Prib.i tekh.eksp. 9 no.2:148-149 Mr-Ap '64.

INTERIOR DECORATION

Volkov, A.P. [Wall color in apartments] TSvet sten v kvartire. Kiev, Gosstroiizdat USSR, 1964. 35 p. (chiefly illus.)

INTERLIBRARY LOANS

Useful book. T.Zdorova. Bibliotekar' no.5:59-60 My '64.

INTERMETALLIC COMPOUNDS

Interaction of samarium and gallium selenides $A^{III}_2 B^{VI}_3$. G.Kh.Efendiev, Z.Sh.Karaev, I.O.Nasibov. Azerb.khim.zhur. no.1:125-131 '64.

INTERMETALLIC COMPOUNDS—MAGNETIC PROPERTIES

Magnetocrystalline anisotropy of the intermetallic compound Mn_5Ge_3. A.Wrzeciono. Izv.AN SSSR.Ser.fiz. 28 no.3:601-606 Mr '64.

INTERNAL COMBUSTION ENGINES

Effect of the oxidation of oil on the process of running-in the ring-socket pair of internal combustion engines [with summary in English]. S.V.Ventsel', M.M. Chupys, V.O.Loliuk. Dop.AN URSR no.4:499-502 '64.

Gladkii, V.I., M.I.Lobanov, and N.A.Slavchenko. [Power equipment, electrical equipment, and plumbing installations in construction; a manual] Energeticheskoe, elektrotekhnicheskoe i sanitarno-tekhnicheskoe oborudovanie v stroitel'stve; spravochnik. Kiev, Gos. izd-vo po stroit. i arkhit. USSR, 1964. 870 p.

INTERNAL COMBUSTION ENGINES (Continued)

Increase of the economic efficiency of engines. M. D. Meitin. Energomashinostroenie 9 no. 3:44-45 Mr '63.

Khrapach, G. K. [Installation and repair of compressors] Montazh i remont kompressorov. Moskva, Izd-vo "Nedra," 1964. 479 p.

Litvinov, N. N. [Internal combustion engines used in geological prospecting] Dvigateli vnutrennego sgoraniia, primeniaemye na geologorazvedochnykh rabotakh. Moskva, Izd-vo "Nedra," 1964. 402 p.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. 5 My '64.

INTERNAL COMBUSTION ENGINES—COLD WEATHER OPERATIONS

Heat insulation of engines during winter utilization. I. N. Nurminskii. Mekh. i elek. sots. sel'khoz. 22 no. 1:27-28 '64.

INTERNAL COMBUSTION ENGINES—IGNITION

The M-24 magneto in the ZID-4, 5 engine. D. Molchanov. Tekh. v sel'khoz. 23 no.12:72 D '63.

INTERNAL COMBUSTION ENGINES—LUBRICATION

Theoretical investigation of the oil dirtying process in engines. S. G. Roganov. Izv. vys. ucheb. zav.; mashinostr. no. 2:82-89 '64.

INTERNAL COMBUSTION ENGINES—TESTING

Effect of operating rigidity of an engine on the wear of piston rings during the running-in. V. I. Tikhonovich. Mashinostroenie no. 2:97-98 Mr-Ap '64.

INTERNAL FRICTION

Changes of properties during repeated heat treatments, stress-rupture strength and the internal friction of sintered aluminum powder. A. I. Dashkovskii and others. Met. i metalloved. chist. met. no. 4:160-174 '63.

Device for measuring the normal mode and damping constants of oscillatory systems. M. I. Abaev. Prib. i tekh. eksp. 9 no. 2:153-155 Mr-Ap '64.

Equipment for measuring internal friction in metals. P. L. Gruzin, A. N. Semenikhin, V. I. Andreev. Met. i metalloved. chist. met. no. 4:194-197 '63.

Internal friction and the elasticity modulus of cold-worked zirconium. A. I. Dashkovskii, A. N. Semenikhin, P. L. Gruzin. Met. i metalloved. chist. met. no. 4:41-46 '63.

Internal friction of certain polymorphous metals. A. I. Dashkovskii. Met. i metalloved. chist. met. no. 4:182-187 '63.

Measuring the internal friction in solids. M. I. Abaev, M. I. Kornfel'd. Prib. i tekh. eksp. 9 no. 2:150-152 Mr-Ap '64.

Nauchno-tekhnicheskoe soveshchanie po voprosam kolebanii s uchetom rasseianiia energii, 4th, 1962. [Energy dissipation during the vibration of elastic systems; transactions] Rasseianie energii pri kolebaniiakh uprugikh sistem; trudy. Pod red. G. S. Pisarenko. Kiev, Izd-vo Akad. nauk USSR, 1963. 375 p.

INTERNAL MEDICINE see Medicine, Internal

THE INTERNATIONAL

On the occasion of the 100th anniversary of the First International: aid for propagandists and agitators. Komm. Uz. 36 no. 4:49-51 Ap '64.

The 100th anniversary of the First International: historical report. Vop. ist. KPSS 8 no. 4:67-70 Ap '64.

V. I. Lenin on the historical significance of the First International. Vop. ist. KPSS 8 no. 4:3-14 Ap '64.

INTERNATIONAL BANKING see Banks and banking, International

INTERNATIONAL ECONOMIC RELATIONS

Moscow. Institut mezhdunarodnykh otnoshenii. [Modern international economic relations] Sovremennye mezhdunarodnye ekonomicheskie otnosheniia. Pod red. N. N. Liubimova. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 583 p.

INTERNATIONAL EDUCATION

International club in an eight-year school. R. M. TSymbalistyi. Rad. shk. 42 no. 2:93-95 F '64.

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958—CONGRESSES

International Symposium on the Results of IGY. N. V. Shebalin. Vest. AN SSSR 34 no. 1:81-82 Ja '64.

INTERNATIONAL LABOR ORGANIZATION

Life demands changes. V. Zhavelin. Sov. profsoiuzy 20 no. 8:38-39 Ap '64.

INTERNATIONAL LAW

"Collective security is a guarantee of peaceful coexistence" by V. K. Sobakin. Reviewed by S. A. Malinin. Sov. gos. i pravo. no. 12:140-152 D '63.

International law and historical progress. R. L. Bobrov. Sov. gos. i pravo no. 12:3-11 D '63.

Military bases and international law. A. Piradov. Mezhdunar. zhizn' 11 no. 5:140-142 My '64.

Moscow. Institut mezhdunarodnykh otnoshenii. [International law] Mezhdunarodnoe pravo. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 678 p. (Uchebnyi kurs mezhdunarodnogo prava)

INTERNATIONAL MEDIATION see Mediation, International

INTERNATIONAL RELATIONS

First session of the Scholarly Council on the Problem "History of the Foreign Policy of the U. S. S. R. and International Relations." A. E. Ioffe. Vop. ist. 39 no. 3:126-128 Mr '64.

Leninism is our methodological combat weapon. Vop. filos. 18 no. 4:3-15 '64.

INTERNATIONAL RELATIONS—STUDY AND TEACHING

Follow-up of our articles. F. G. Baev. Mezhdunar. zhizn' 11 no. 5:160 My '64.

Seminars in international relations; a discussion. R. R. Grigor'iants. Mezhdunar. zhizn' 11 no. 5:159-160 My '64.

INTERNATIONAL SECURITY see Security, International

INTERNATIONAL TRUSTEESHIPS see subdivision under Cameroons

INTERPOLATION

Convergence of a trigonometric interpolation. V. I. Krylov, L. A. IAnovich. Dokl. AN BSSR 8 no. 3:141-144 Mr '64.

Experience in compiling maps and hydrological sections using an interpolator. P. F. Shakurov. Okeanologiia 4 no. 2:339-341 '64.

INTERSTELLAR GASES see Gases, Interstellar

INTERSTELLAR MATTER

Gravitational waves and superstars. I. S. Shklovskii, N. S. Kardashev. Dokl. AN SSSR 155 no. 5:1039-1041 Ap '64.

Optimum wave lengths for the determination of interstellar absorption. V. Straizys. Astron. tsir. no. 254:3-4 Jl '63.

Prestellar evolution of matter [with summary in English]. IA. B. Zel'dovich. Vop. kosm. 9:232-239 '63.

INTESTINAL FISTULA see Fistula, Intestinal

INTESTINES

Modification of the methodology of determining intestinal phosphatase. G. A. Gorelov. Lab. delo no. 3:151-153 '64.

Relations between the lymphatic system of the stomach and the different sections of the large intestine in children. G. A. Samoilov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:12-16 '62.

INTESTINES—CANCER

Simbirtseva, L. P. [X-ray diagnosis of cancer of the large intestine] Rentgenodiagnostika raka tolstoi kishki. [Leningrad] Meditsina, 1964. 140 p. (DNLM)

INTESTINES—DISEASES

(see also subdivision under Archangel; Bobruysk, Mogilev Province)

Agglutination and hemagglutination reactions in the diagnosis of colibacillary intestinal diseases in children [with summary in English]. L. A. Chuprova. Vop. okh. mat. i det. 7 no. 6:5-10 Je '62.

Clinical characteristics of colienteritis in children. E. I. Chunaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:136-141 '62.

Colienteritis in newborn infants caused by a rare serological type O111:B4:H12 Escherichia coli [with summary in English]. E. M. Novgorodskaia, L. B. Khazenson, K. I. Krivonosova. Zhur. mikrobiol., epid. i immun. 40 no. 9:116-119 S '63.

Effect of desoxycorticosterone acetate on the phagocytic activity of leucocytes in children with intestinal toxicosis [with summary in English]. E. I. Sukmanskaia. Pediatriia 42 no. 9:82-85 S '63.

Effectiveness of colimycin in the treatment of children with colienteritis. E. I. Chunaeva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:142-148 '62.

Functional disorders of the small intestine in experimental stomach ulcers. IA. M. Romanov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:35-38 '62.

Kittens as a model for the study of colienteritis [with summary in English]. O. I. Emel'ianova, V. S. Shvetsov. Zhur. mikrobiol., epid. i immun. 40 no. 4:93-96 Ap '63.

Role of Lamblia and helminths in the etiology of acute intestinal diseases of young children in Archangel. Z. S. IAldygina and others. Sbor. nauch. rab. Arkh. IEMG no. 4:42-48 '60.

Treatment of coli enteritis. E. I. Chernysh. Zdrav. Bel. 9 no. 6:66-69 Je '63.

INTESTINES—INNERVATION

Characteristics of afferent interoceptive impulses from the intestine caused by the stimulation of its serous and mucous membranes. I. A. Bulygin, V. V. Soltanov. Dokl. AN BSSR 8 no. 3:192-194 Mr '64.

Electrophysiological study on the exclusion of the afferent impulsation in intestine nerves by dicaine. V. I. Galakhov, V. V. IUrov. Uch. zap. Orlov. gos. ped. inst. 18:131-136 '63.

INTESTINES—INTUSSUSCEPTION

Intestinal invagination in children. T. F. Ganzhulevich. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:64-69 '62.

Meckel's diverticulum and intestinal invagination. Kh. I. Fel'dman, G. R. Preis, G. S. Drach. Kaz. med. zhur. no. 6:57-58 N-D '62.

INTESTINES—MICROBIOLOGY

Effect of some helminths on the properties of Escherichia coli in the human intestine. G. N. Ishchenko, N. I. El'takova, R. N. Skorobacheva. Nauch. trudy SamMI 21:30-32 '62.

Intestinal Protozoa of swine in the Virgin Territory. R. S. Appasov. Paraz. sel'khoz. zhiv. Kazakh. 2:147-153 '63.

Survival of some Enterobacteriaceae in the gastrointestinal tract of fishes and its role in sanitary water control. A. M. Gelen. Vop. ikht. 4 no. 1:153-161 '64.

INTESTINES—MICRO-ORGANISMS

Effect of acidophilus milk and some antibiotics on the intensity of the saprogenic processes in the intestines determined from indicanuria data. N. I. Eklnentina. Kaz. med. zhur. no. 6:53-54 N-D '62.

INTESTINES—OBSTRUCTIONS

Distribution of radioactive chlorine in the organism of a rat with acute intestinal obstruction. A. S. Synievets, G. M. Butenko. Dokl. AN SSSR 156 no. 1:220-222 My '64.

Treatment of intestinal obstruction. A. K. Belenkov. Zdrav. Bel. 9 no. 6:72-73 Je '63.

INTESTINES—RADIOGRAPHY

Coproliths of the intestine. I. S. Lan'ko. Zdrav. Bel. 9 no. 6:19-21 Je '63.

INTESTINES—SECRETIONS

Effect of strong pain stimuli on intestinal secretion in experimental hypoxia. S. S. Serebrenikov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:29-34 '62.

State of the secretory function of the intestine in dogs in experimental radiation sickness after administration of different diets [with summary in English]. M. F. Nesterin. Vop. pit. 21 no. 6:27-33 N-D '62.

INTESTINES—SURGERY

Anesthesia in surgery on tumors of the large intestine [with summary in English]. V. I. IUkhtin, V. A. Gologorskii. Vest. khir. 90 no. 5:93-100 My '63.

Motor and evacuatory function of the resected stomach with small intestine enteroplasty in the early postoperative period [with summary in English]. P. E. Kulakov, G. M. Grigor'ev. Khirurgiia 39 no. 6:107-111 Je '63.

Reversion of the duodenum following experimental gastric resection. A. S. Gadzhiev. Eksper. khir. i anest. 7 no. 4:31-36 Jl-Ag '62.

INTESTINES—TRANSPLANTATION

Experimental reconstruction of the urinary bladder with an open intestinal segment. M. F. Polianichko. Eksper. khir. i anest. 7 no. 4:46-50 Jl-Ag '62.

Insufficiency of the anastomosis in segmental plastic surgery of the thoracic of the esophagus; experimental research [with summary in English]. R. A. Rozhakov, V. V. Denisov. Khirurgiia 39 no. 6:46-50 Je '63.

Transsternal retrosternal esophagoplasty from the right half of the large intestine. V. G. Cheshik. Khirurgiia 39 no. 6:122-124 Je '63.

INTESTINES—TUBERCULOSIS

Comparative characteristics of morphological changes in the lungs and the intestines during their simultaneous infection by tuberculosis. N. V. Onopchenko. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:22-28 '62.

INTESTINES—TUMORS

Anesthesia in surgery on tumors of the large intestine [with summary in English]. V. I. IUkhtin, V. A. Gologorskii. Vest. khir. 90 no. 5:93-100 My '63.

Surgical complications in lymphogranulomatosis of the small intestine. A. M. Tarnopol'skii. Khirurgiia 39 no. 6:119-122 Je '63.

INTESTINES—ULCERS

Six peptic ulcers of the small intestine following a conservative resection of the stomach in peptic ulcer. A. A. Cherniavskii, P. S. Sveshnikov. Khirurgiia 39 no. 6:133-134 Je '63.

INTRA-ARTERIAL INJECTIONS see Injections, Intra-arterial

INTRACRANIAL ANEURYSMS

Carotid-cavernous anastomoses. E. I. Svito. Zdrav. Bel. 9 no. 6:26-29 Je '63.

Clinical aspect and diagnosis of aneurysms of the anterior cerebral artery and the anterior communicating artery [with summary in English]. N. IA. Krasil'nikova. Vop. neirokhir. 27 no. 5:30-34 S-O '63.

Intracranial aneurysms pursuing a course similar to brain tumors. E. M. Dovgiallo, E. F. Lobkova. Vop. neirokhir. 27 no. 5:55-57 S-O '63.

INTRATRACHEAL ANESTHESIA

[illegible]

[illegible]

[illegible]

INVARIANTS

[illegible]

INVENTIONS

[illegible]

INVESTMENT BANKING see subdivision under [illegible]

INVESTMENTS, AMERICAN see subdivision under [illegible]

INVESTMENTS, BRITISH see subdivision under [illegible]

INVESTMENTS, [illegible] see subdivision under [illegible] Underdeveloped Areas

INVESTMENTS, [illegible] see subdivision under [illegible]

INVESTMENTS, [illegible] see subdivision under [illegible] Areas

INVESTMENTS, WEST GERMAN see subdivision under Togo, Turkey

IODINE

[illegible]

[illegible]

[illegible]

IODINE

see also subdivision under [illegible]

[illegible]

[illegible]

IODINE—ANALYSIS

[illegible]

[illegible]

IODINE—[illegible]

[illegible]

IODINE [illegible]

[illegible]

IODINE [illegible]

[illegible]

IODINE IN THE BODY

Functional state of the thyroid gland in persons with [illegible]

New method of determining iodine in the thyroid gland of [illegible] at different periods of their embryonic development. [illegible]

IODINE ISOTOPES—THERAPEUTIC USE

[illegible] function of the liver in hyperthyroidism before and following radioactive iodine treatment. [illegible]

IODINE ISOTOPES—TOXICOLOGY

[illegible] of radioactive iodine (with summary in English). [illegible]

[illegible] NUMBER

[illegible] of the ion-exchange [illegible] of synthetic [illegible] (with summary in English). [illegible]

[illegible]

[illegible] (with summary in English). [illegible]

[illegible], 1888-1950

[illegible]

ION BEAMS

[illegible]

ION EXCHANGE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ION EXCHANGE [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ION-EXCHANGE RESINS, EFFECT OF RADIATION ON

Radiation stability of ion-exchange resins. Part I (with summary in English). [illegible]

ION EXCHANGERS

[illegible] of phosphorus [illegible] ion exchangers. [illegible]

Effect of [illegible] ion-exchanging [illegible] [illegible]

Ion exchanging [illegible] containing [illegible] groups. [illegible]

Ion [illegible] with electrons [illegible] in a magnetic field. [illegible]

[illegible] ion exchangers based on [illegible]

Partition chromatography on ion exchangers. Report No. 3. Separation of amino acids (with summary in English). [illegible]

Research in the quantitative determination of some pharmaceutical preparations with the use of cation exchangers (with summary in English). [illegible]

Sorption of [illegible] by anion exchangers of low and high basicity from alkaline solutions. [illegible]

Sorption of uranium and thorium from [illegible] solutions by anion exchanger [illegible]

Sulfonic cation exchanger [illegible]

ION EXCHANGERS, EFFECT OF RADIATION ON

Effect of the structure of [illegible] cation exchangers on their radiation stability. [illegible]

Study of the radiation stability of some [illegible] anion exchangers [illegible]

IONIC CRYSTALS—ELECTRIC PROPERTIES

[illegible]

IONIC CRYSTALS—MAGNETIC PROPERTIES

[illegible]

IONIC SOLUTIONS

[illegible]

IONIZATION

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

IONIZATION CHAMBERS

Calculating the sensitivity of [illegible] ionization chambers. [illegible]

Measuring the [illegible] of [illegible] chambers. [illegible]

[illegible]

IONIZATION OF GASES

Sixth International Conference on Ionization Phenomena in Gases. [illegible]

IONOSPHERE—ROCKET OBSERVATIONS

Equipment for the investigation of [illegible] processes in the ionosphere. [illegible]

IONS

Cathode sputtering of tungsten by potassium ions. [illegible]

Coordinate entropy of steady states of hydrogenlike ions. [illegible]

Ground state of two-electron atoms and ions. [illegible]

[illegible] of the state of the system nitrogen-oxygen in quartz. [illegible]

Measuring the kinetic energy of fragmentary ions in a mass spectrometer. Part I: Analysis of line shapes. [illegible]

IONS (Continued)

Methodology of measuring the dissociation cross sections of fast H_2 ions passing through gaseous targets. B.N.Makov, L.I.Elizarov, E.A.Dmitriev. Prib.i tekh.eksp. 9 no.2:126-127 Mr-Ap '64.

IONS—MIGRATION AND VELOCITY

Lead transfer in a positive electrode of a lead accumulator. N.A.Belashova, B.N.Kabanov, L.D.Kovba. Zhur.prikl.khim. 37 no.4:896-903 Ap '64.

Theory of electric transport. Part 3. D.K.Belashchenko. Zhur.fiz.khim. 36 no.11:2496-2499 N '62.

Transport number of sodium ions in aluminosilicate glasses. A.A.Pronkin. Zhur.prikl.khim. 37 no.4:887-893 Ap '64.

Using the electrokinetic method in studying the regularities of the flotation process. A.N.Dolzhenkova, G.S.Strel'tsyn. Trudy Mekhanobr no.131:7-23 '62.

IONS—SPECTRA

Energy spectrum of paramagnetic impurity ions in ideal spinel. A.N.Men', V.I.Cherepanov. Izv.AN SSSR.Ser.fiz. 28 no.3:430-432 Mr '64.

IORDANSKII, NIKOLAI NIKOLAEVICH, 1863-1941

Eminent educator. A.Rymakov. Nar.obr. no.5:97-99 My '64.

IPRONIAZID

Effect of iprazid on the metabolism of the glutamine amide group and protein amide groups in the rabbit brain [with summary in English]. IA.T.Terlets'ka, A.V.Palladin, O.V.Pysarevych. Ukr.biokhim.zhur. 35 no.5:737-746 '63.

IRAN—HISTORY, MILITARY

Data from sources on the structure of the army of Ismail I. P.I.Petrov. Nar.Az.i Afr. no.3:76-81 '64.

IRAN—PHARMACY—STUDY AND TEACHING

Pharmaceutical education in Iraq and the training of pharmaceutical personnel. F.Rashid. Apt.delo 11 no.5:86-89 S-O '62.

IRAN—PHYTOGEOGRAPHY

"On the phytogeographical structure of Iran" [in English] by M.Zohary. Reviewed by E.M.Lavrenko. Bot.zhur. 49 no.4:609-617 Ap '64.

IRAN—RELATIONS (GENERAL) WITH RUSSIA

From the history of Soviet-Iranian cultural relations; activities of the Iranian Association for Cultural Relations with the U.S.S.R. D.V.Valieva. Obshchestv.nauki v Uz. 8 no.1:45-49 '64.

IRANIAN PHILOLOGY

Nauchnaia konferentsiia po iranskoi filologii, 1962. [Iranian philology; transactions] Iranskaia filologiia; trudy. [Leningrad] Izd-vo Leningr. univ., 1964. 174 p.

IRAQ—REVOLT OF 1920

A great uprising. M.Kamal'. Az.i Afr.seg. 7 no.5:59 My '64.

IRKUTSK BASIN—PALEOBOTANY, STRATIGRAPHIC

Paleobotanical materials on the stratigraphy of Jurassic sediments in the Irkutsk coal basin. D.I.Ermolaev, IU.V.Teslenko. Dokl.AN SSSR 155 no.3:562-564 Mr '64.

IRKUTSK PROVINCE—GEOLOGY, STRATIGRAPHIC

Ordovician stratigraphy of the southwestern part of the Irkutsk amphitheater. IU.N.Zanin, L.V.Ogienko. Sov.geol. 7 no.4:109-114 Ap '64.

IRON

Interaction between molybdenum (VI) and iron (III) in a weak acid solution. N.A.Zhukova, L.I.Lebedeva. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:164-165 '64.

IRON—ANALYSIS

Bathophenanthroline. A.A.Bylinkina, N.P.D'iakova, I.B.Kiseleva. Metod.poluch.khim.reak.i prepar. no.6:46-48 '62.

IRON—CORROSION

Corrosion resistance of iron in lithium. N.M.Beskorovainyi and others. Met.i metalloved.chist.met. no.4:130-143 '63.

IRON—METALLURGY

Kinetics of the reduction of molten iron oxides by carbon. S.V.Shavrin, I.N.Zakharov. Izv.vys.ucheb.zav.; chern.met. 7 no.5:7-11 '64.

IRON—PHYSIOLOGICAL EFFECT

Effect of iron concentration on the flavin synthesis in Nocardia erythropolis. V.N.Shaposhnikov, T.V.Finogenova. Dokl.AN SSSR 156 no.3:692-694 '64.

IRON—TESTING

Apparatus for measuring the density and surface tension of iron melts. E.S.Filippov, A.A.Vertman, A.M.Samarin. Zav.lab. 30 no.5:620-621 '64.

Unit for determining the strength of cermet iron at low temperatures. V.N.Rudenko. Mashinostroenie no.2:57 Mr-Ap '64.

IRON AGE see subdivision under Ob' Valley

IRON ALLOYS

Effect of deformation on the anisotropy of the coercive force of iron silicide single crystals. E.G.Krivonosova, B.G.Livshits. Izv.AN SSSR.Ser.fiz. 28 no.3:580-583 Mr '64.

IRON ALLOYS—HANDBOOKS, MANUALS, ETC.

Rozentsveig, IA.D., L.V.Shvedov, and S.I.Venetskii. [Brief handbook on the manufacture of ferroalloys (for workers)] Kratkii spravochnik ferrosplavshchika (dlia rabochikh). Pod red. M.A.Ryssa. Moskva, Izd-vo "Metallurgiia," 1964. 343 p.

IRON ALUMINATES—THERMODYNAMICS

Thermodynamic properties of iron aluminate. T.N.Rezukhina, V.A.Levitskii, P.Ozhegov. Zhur.fiz.khim. 37 no.3:687-688 Mr '63.

IRON-ALUMINUM-CARBON ALLOYS

Nature of the ε-phase in Fe - Al - C alloys. L.S.Palatnik, I.A.Tananko, IU.G.Bobro. Kristallografiia 9 no.2:209-212 Mr-Ap '64.

IRON AND STEEL BUILDING see Building, Iron and steel

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Overall mechanization and automation in ferrous metallurgy. K.P.Kostenetskii. Mekh.i avtom.proizv. 18 no.5:8-11 My '64.

IRON AND STEEL WORKERS—DISEASES AND HYGIENE

Katsnel'son, B.A. [Industrial hygiene and sanitation in blast furnace plants; materials for the training of workers and foremen]. Gigiena truda i promyshlennaia sanitariia v domennykh tsekhakh; materialy dlia zaniatii s rabochimi i masterami. Sverdlovsk, Sverdlovskii in-t gigieny truda i profpatalogii, 1960. 19 p. [MICROFILM]

IRON CATALYSTS

Use of an iron catalyst in the contact-tower process. I.M.Eselev, I.P.Mukhlenov, D.G.Traber. Zhur.prikl.khim. 37 no.4:722-727 Ap '64.

IRON-COBALT ALLOYS—MAGNETIC PROPERTIES

Atomic magnetic moments in iron - cobalt alloys. V.I.Goman'kov, A.A.Loshmanov. Izv.AN SSSR.Ser.fiz. 28 no.3:444-445 Mr '64.

IRON FOUNDING

Gorshkov, A.A., and M.V.Voloshchenko. [Cast crankshafts] Litye kolenchatye valy. Moskva, Izd-vo "Mashinostroenie," 1964. 194 p.

IRON-GERMANIUM ALLOYS—METALLOGRAPHY

Phase constituents of the system iron-germanium [with summary in English]. A.K.Shtol'ts, P.V.Gel'd. Zhur.fiz.khim. 36 no.11:2400-2405 N '62.

IRON HYDROXIDES, EFFECT OF RADIATION ON

Ultraviolet radiation effect on iron hydroxide sols in the presence of gelatin. I.G.Bakhtadze, E.M.Nanobashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:75-80 '63.

IRON IN THE BODY

Copper and iron content in the organs and tissues of human fetuses in different periods of their intrauterine development. I.A.Ataullakhanov, I.G.Priev. Nauch.trudy SamMI 21:173-180 '62.

Denaturation and fragmentation of deoxyribonucleic acid in the cells of the animal organism [with summary in English]. B.I.Hol'dshtein, V.V.Herasymova. Ukr.biokhim.zhur. 35 no.1:3-18 '63.

Quantitative determination of serum iron and copper by emission spectrum analysis. N.P.Timakin. Lab.delo no.5:285-288 '64.

IRON INDUSTRY—BY-PRODUCTS

Potentialities in metallurgy for the chemicalization of the national economy. Izv.vys.ucheb.zav.; chern.met. 7 no.5:5-8 '64.

IRON INDUSTRY—FINANCE

Effect of silicon and sulfur content in converter iron on the economics of blast furnace practice. A.N.Khakhalina, L.G.Ivanova. Izv.vys.ucheb.zav.; chern.met. 7 no.4:191-196 '64.

Kovalenko, V.I. [The working capital of metallurgical plants] Oborotnye sredstva metallurgicheskogo zavoda. [Stalino] Knizhnoe izd-vo Stalino-Donbass, 1959. 59 p. (Voprosy konkretnoi ekonomiki metallurgicheskoi promyshlennosti) [MICROFILM]

IRON-MANGANESE ALLOYS see Manganese-iron alloys

IRON MINES AND MINING

(see also subdivision under Krivoy Rog Basin)

Drukovanyi, M.F., and others. [Blasting high benches] Vzryvanie vysokikh ustupov. Moskva, Izd-vo "Nedra," 1964. 105 p.

IRON MINES AND MINING—FINANCE

Barsukov, F.A., and S.IA.Rachkovskii. [Economic efficiency of capital investments in iron mining] Ekonomicheskaia effektivnost' kapital'nykh vlozhenii v zhelezorudnuiu promyshlennost'. Moskva, Izd-vo "Nedra," 1964. 110 p.

IRON-MOLYBDENUM ALLOYS

Phase analysis of ferromolybdenum production dusts for bismuth compounds. N.A.Filippova, V.A.Korosteleva. Zav.lab. 30 no.5:518-522 '64.

IRON-NICKEL ALLOYS

Some dynamic properties and the domain structure of thin iron-nickel films. R.V.Telesnin and others. Izv.AN SSSR.Ser.fiz. 28 no.3:572-579 Mr '64.

IRON-NICKEL ALLOYS—MAGNETIC PROPERTIES

Neutron diffraction determination of atomic magnetic moments in iron - nickel alloys containing Mo, Si, and Cu. I.M.Puzei, V.I.Goman'kov, A.A.Loshmanov. Izv.AN SSSR.Ser.fiz. 28 no.3:440-443 Mr '64.

IRON-NICKEL ALLOYS—METALLURGY

Structural changes in iron-nickel alloys during inverse martensitic transformation. V.I.Zaitsev, V.G.Gorbach, A.G.IAkhontov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:139-140 '63.

IRON-NICKEL ALLOYS—THERMAL PROPERTIES

Causes of the effect of nickel on the cold shortness of iron. IA.I.Spektor, V.I.Sarrak, R.I.Entin. Dokl.AN SSSR 155 no.5:1054-1057 Ap '64.

Nonlinear temperature dependence of the ferromagnetic transformation of two Invar alloys under all-round pressure [with summary in English]. L.D.Livshits, IU.S.Genshaft. Zhur.eksp.i teor.fiz. 46 no.3:821-824 Mr '64.

IRON ORES

(see also subdivision under Altai Mountains; Krivoy Rog Basin; Sayan Mountains)

Determination of zinc in iron minerals with 8-(p-toluenesulfonylamino)-quinoline. D.P.Shcherbov, V.V.Kolmogorova. Metod.anal.khim.reak.i prepar. no.4:125-126 '62.

Determination of zirconium in titanium and iron-containing ores with quercetin. I.P.Alimarin, A.P.Golovina, L.A.Toniakova. Metod.anal.khim.reak.i prepar. no.4:128-130 '62.

Gol'denberg, L.I. [Native alloy cast iron is an industrial potentiality] Prirodnolegirovannyi chugun - rezerv promyshlennosti. Moskva, Izd-vo "Metallurgiia," 1964. 110 p.

IRON ORES—TESTING

Method of testing iron ore products on their ability to undergo sintering. I.A.Shkliarevich. Izv.vys.ucheb.zav.; chern.met. 7 no.4:37-38 '64.

IRON OXIDES—MAGNETIC PROPERTIES

Neutron diffraction examination of α-Fe_2O_3-type oxides. G.Shirane. Izv.AN SSSR.Ser.fiz. 28 no.3:446 Mr '64.

IRON PLATING

Iron-plating shop at the Saratov motor-vehicle repair plant. G.Sizov. Avt.transp. 42 no.4:26-30 Ap '64.

IRON SILICIDES

Analysis of chemical reactions taking place during steel siliconizing based on the thermodynamic data. V.K.Titov. Zhur.prikl.khim. 37 no.4:760-773 Ap '64.

IRRIGATION

(see also subdivision under Golodnaya Steppe; Khiva; Soviet Central Asia; Turkmenistan; Vakhsh Valley; Volga-Akhtuba Floodplain; Volga Delta; Zeravshan Valley)

Experimental studying of the measures for controlling the subsurface flooding of irrigated lands. Abdel' Vakhab Amer. Dokl.TSKHA no.87:151-157 '63.

Hydraulic engineering design of an irrigation and drainage system with automatic control of moisture conditions. A.D.Savarenskii. Dokl.TSKHA no.87:37-43 '63.

Irrigation systems should be provided with new electrical equipment. I.L.Barkan. Electrotekhnika 35 no.3:23-25 Mr '64.

Klavdin, B.V. [Irrigation technique] Tekhnika orosheniia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.7)

Moscow. Vsesoiuznyi gosudarstvennyi proektno-izyskatel'skii i nauchno-issledovatel'skii institut. [Methodology for calculating a "Pumping station - closed network" complex] Metodika rascheta kompleksa "Nasosnaia stantsiia - zakrytaia set'". Moskva, 1963. 74 p. [MICROFILM]

IRRIGATION—EQUIPMENT AND SUPPLIES

(see also subdivision under Ukraine)

Problems of new machinery in field irrigation. I.A.Sharov, M.F.Natal'chuk. Dokl.TSKHA no.87:5-16 '63.

IRRIGATION CANALS AND FLUMES

(see also subdivision under Dzhambul Province; Khodzhabakyrgan Valley; Ukraine; Yakutia)

Comparative analysis of the calculation formulas for the shifting of sediments in open and pressure channels. S.D.IAkovlev. Dokl.TSKHA no.87:55-64 '63.

IRRIGATION CANALS AND FLUMES (Continued)

Extinguishing the power of a stream in terminal drops of a pipe irrigation system. M. B. Seliametov. Vop. gidr. no. 12:22-28 '63.

Filtration under conjugated structures on canals. I. A. Vasil'eva. Dokl. TSKHA no. 87:259-264 '63.

Methods of coordinating the rated discharges of irrigation and conveying pipelines with water discharge in canals and the length of pipelines with the size of the irrigation section. V. A. Kutergin. Dokl. TSKHA no. 87:45-53 '63.

Moscow. Vsesoiuznyi gosudarstvennyi proektno-izyskatel'skii i nauchno-issledovatel'skii institut. [Compaction of soils of irrigation canals for the purpose of preventing filtration, and soil compacting machinery; review] Uplotnenie gruntov orositel'nykh kanalov v protivofil'tratsionnykh tseliakh i gruntouplotniaiushchie mashiny; obzor. Moskva, 1962. 89 p.
[MICROFILM]

Mustafaev, A. A. [Canals in sagging soils] Kanaly na prosadochnykh gruntakh. Baku, Izd-vo Azerbaidzhanskoi Akad. sel'khoz. nauk, 1961. 277 p.

Set of machines for constructing the seepage control aprons from betonite clays for irrigation canals. I. I. Mor. Dokl. TSKHA no. 87:501-510 '63.

Siphon spillways for irrigation flumes. S. I. Keberle, V. V. Perepelkina. Vop. gidr. no. 12:20-21 '63.

Technical instructions for filtration calculation of structures in an irrigation network (a draft). N. A. TSvetkova. Vop. gidr. no. 11:5-33 '63.

Using thixotropic phenomena for strengthening the artificial colmatage of soils. B. I. Kosov. Dokl. TSKHA no. 87:201-210 '63.

IRRIGATION FARMING

(see also subdivision under Daghestan; Ukraine; Uzbekistan)

Lenin on irrigation farming. V. Dmitriev. Ekon. sel'khoz. 35 no. 4:12-16 Ap '64.

Ways of technological progress in irrigation farming [with summaries in English, German, and French]. V. A. Shaumian. Vest. sel'khoz. nauki 8 no. 12:42-51 D '63.

IRRIGATION FARMING—EQUIPMENT AND SUPPLIES

Utilization of machines in irrigation farming. A. Koganov. Tekh. v sel'khoz. 23 no. 12:31-34 D '63.

IRTYSH-KARAGANDA CANAL REGION—PUMPING STATIONS

Testing a model for a circular cylindrical building. S. V. Vinogradov. Dokl. TSKHA no. 87:407-413 '63.

IRTYSH RIVER

Traces of falling water level in the Om' and the Irtysh Rivers. S. R. Laptev. Izv. Omsk. otd. Geog. ob-va no. 5:184-185 '63.

IRTYSH RIVER—HYDROLOGY

Changes in the breakup and freezing time of the Irtysh in connection with the warming of the climate. P. V. Borisov. Izv. Omsk. otd. Geog. ob-va no. 5:17-21 '63.

IRTYSH VALLEY—LAND SETTLEMENT

From the history of the middle Irtysh Valley settlement. A. D. Kolesnikov. Izv. Omsk. otd. Geog. ob-va no. 5:137-151 '63.

ISAAKIAN, AVETIK, 1875-

Grigor'ian, K. N. [The work of Avetik Isaakian] Tvorcheskii put' Avetika Isaakiana. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 181 p.
(CtY)

ISHYM VALLEY—HYDRAULIC ENGINEERING

Speed up the construction of a hydraulic structural complex on the Ishym. D. Shkarupa. Nar. khoz. Kazakh. 22 no. 4:52-54 Ap '64.

ISOBUTYL ALCOHOL

Equation for determining the coefficients of evaporation and rectification of isobutyl alcohol. B. D. Metiushev, A. I. Mandziuk, R. S. Petrova. Trudy KTIPP no. 27:68-75 '63.

ISOBUTYRONITRILE

Kinetics of acetylenic hydrocarbon polymerization initiated by azoisobutyric acid dinitrile. I. M. Barkalov, V. I. Gol'danskii, Go Min'-gao [Kuo Min-kao]. Dokl. AN SSSR 155 no. 4:883-885 Ap '64.

ISOCYANATES

Some physical properties of m-chlorophenylisocyanate. N. A. Gol'dberg, V. A. Gorbushenkov, Z. G. Teplova. Zhur. prikl. khim. 37 no. 4:745-747 Ap '64.

ISOMERIZATION

Enolization of N-acylamides. A. M. Shkrob and others. Izv. AN SSSR. Ser. khim. no. 4:774 Ap '64.

Isomerization of tetrahydropyrans. N. I. Shuikin and others. Izv. AN SSSR. Ser. khim. no. 4:747-750 Ap '64.

Synthesis and isomerization of 2-n-propyl-5-phenyltetrafuran. N. I. Shuikin and others. Izv. AN SSSR. Ser. khim. no. 4:746-747 Ap '64.

ISOMERS

Formulas for calculating the quantity of theoretically possible isomers of monosubstituted alcohols. B. F. Pishnamazzade. Azerb. khim. zhur. no. 1:49-56 '64.

ISOMORPHISM

Periodic law, isomorphism and paragenesis of elements. K. A. Vlasov. Dokl. AN SSSR 155 no. 5:1091-1094 Ap '64.

ISOPENTYL ALCOHOL

Extraction of phosphoric acid by n-butyl and isoamyl alcohols. I. IA. Sabaev, I. N. Shokin, S. A. Krasheninnikov. Zhur. prikl. khim. 37 no. 4:874-880 Ap '64.

ISOPRENE

Mechanism underlying the polymerization of isoprene with styrene catalyzed by α-$TiCl_3$ - $Al(C_2H_5)_3$ [with summary in English]. E. V. Zabolotskaia and others. Vysokom. soed. 6 no. 1:81-85 Ja '64.

Separate polymerization and copolymerization of isoprene in the presence of α-$TiCl_3$ - $Al(C_2H_5)_3$ [with summary in English]. E. V. Zabolotskaia and others. Vysokom. soed. 6 no. 1:76-80 Ja '64.

ISOPROPYL ALCOHOL

Adsorption of isopropyl alcohol vapors on germanium [with summary in English]. V. I. Shimulis, V. M. Griaznov. Zhur. fiz. khim. 37 no. 3:595-600 Mr '63.

ISOTHIOCYANIC ACID

Interaction of ethylene oxide with methyl isothiocyanate. V. S. Etlis, A. P. Sineokov, G. A. Razuvaev. Izv. AN SSSR. Ser. khim. no. 4:737-738 Ap '64.

ISOTOPE EXCHANGE

Mechanism of isotopic exchange between organomercury salts and mercury halide. V. A. Kaliavin, T. A. Smolina, O. A. Reutov. Dokl. AN SSSR 155 no. 3:596-599 Mr '64.

Monomolecular mechanism of isotopic exchange between benzylmercuri halides and radioactive mercury halides. V. A. Kaliavin, T. A. Smolina, O. A. Reutov. Dokl. AN SSSR 156 no. 1:95-98 My '64.

ISOTOPES

Analysis of the compensation system for the precision measurements of isotope abundance ratios. V. I. Ustinov, V. A. Grinenko. Zav. lab. 30 no. 5:578-580 '64.

Natural radioactivity of ocean water. N. I. Popov. Okeanologiia 4 no. 2:223-231 '64.

Symposium on Stable Isotopes. A. I. Brodskii. Vest. AN SSSR 34 no. 2:103-104 F '64.

ISOTOPES—INDUSTRIAL APPLICATIONS

The atom serves the world. B. Rozen. V mire knig 3 no. 7:7 Jl '63.

ISSYK RIVER—RUNOFF

Catastrophic mudflow inundation on the Issyk River. A. F. Litovchenko. Meteor. i gidrol. no. 4:39-42 Ap '64.

ISSYKKUL' DEPRESSION—APPLES—VARIETIES

Zubarev, F. P. [Apple trees of northern Kirghizistan and their varietal identification; Issykkul' Depression] IAbloni Severnoi Kirgizii i ikh opredelenie; Issyk-Kul'skaia kotlovina. Frunze, Akad. nauk Kirgizskoi SSR, 1963. 314 p.
(DNAL)

ISSYKKUL' REGION—PETROLEUM GEOLOGY

Tectonics of and prospects for finding gas and oil in the eastern part of the Issyk-Kul' Basin. F. E. Sinitsyn, N. M. Sardonnikov. Geol. nefti i gaza 8 no. 1:48-53 Ja '64.

ITALY—COMMERCE—RUSSIA

Trade agreement between the U. S. S. R. and Italy for 1966 - 1969. Vnesh. torg. 44 no. 4:70-72 '64.

ITALY—COMMUNISM—CONGRESSES

Partito Comunista Italiano. 10th Congress, Rome, 1962. [The Tenth Congress of the Italian Communist Party, Rome, December 2-8, 1962] X s''ezd Ital'ianskoi Kommunisticheskoi partii, Rim, 2-8 dekabria 1962 goda. Moskva, Gospolitizdat, 1963. 158 p. (Dokumenty i materialy zarubezhnykh Kommunisticheskikh i rabochikh partii)
(CSt-H)

ITALY—COMMUNIST PARTY

Filatov, G. S. [Italian Communists in the Resistance movements] Ital'ianskie kommunisty v dvizhenii Soprotivleniia. Moskva, Izd-vo "Mysl'," 1964. 222 p.

ITALY—DELEGATED LEGISLATION

Standing committees of the contemporary Italian Parliament. I. S. Karpikova. Uch. zap. IMO no. 14:146-166 '63.

ITALY—DRUG INDUSTRY

The "secrets" of competition. E. Voevodin. Vnesh. torg. 44 no. 4:52-54 '64.

ITALY—ECONOMIC CONDITIONS

Italy: Postmiracle survey. B. Il'in. Nov. vrem. 21 no. 21:12-15 My '64.

ITALY—LEGISLATIVE BODIES—COMMITTEES

Standing committees in the contemporary Italian Parliament. I. S. Karpikova. Uch. zap. IMO no. 14:146-166 '63.

ITALY—MOTION-PICTURE PLAYS

"Comrades." G. Bogenskii. Isk. kino 34 no. 1:114-115 '64.

"The leopard." Guido Aristarko. Isk. kino 34 no. 2:136-138 '64.

ITALY—MOTION PICTURES

Komarov, S. V. [Motion picture art of Italy, 1905-1914] Kinoiskusstvo Italii (1905-1914). Moskva, Vses. gos. in-t kinematografii, 1963. 20 p. (Istoriia zarubezhnogo kino, no. 7)

ITALY—MOTION PICTURES, DOCUMENTARY

"To arms, we fascists." V. Shitova. Isk. kino 34 no. 2:135-136 '64.

ITALY—PEASANTRY

"Class struggle in the Italian countryside, 1945-1950" by N. P. Komolova. Reviewed by IU. P. Lisovskii. Vop. ist. 39 no. 3:152-153 Mr '64.

ITALY—TUNNELING

Making large cross section workings. A. S. Belash, G. F. Linnik. Shakht. stroi. 7 no. 12:27 D '63.

ITALY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Filatov, G. S. [Italian Communists in the Resistance movement] Ital'ianskie kommunisty v dvizhenii Soprotivleniia. Moskva, Izd-vo "Mysl'," 1964. 222 p.

IURENOVA, NADEZHDA

Chamber singer. IU. Barsov. Sov. muz. 27 no. 11:82-83 N '63.

IVAN FEDOROV, Printer, d. 1583

A great sowing. V. Pribytkov. Ekon. sel'khoz. 35 no. 3:125 Mr '64.

IVAN IV, The Terrible, 1530-1584

Bylina loci communes in the song about Ivan the Terrible and his son (or sons). F. M. Selivanov. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 2:54-66 Mr-Ap '64.

IVANO-FRANKOVSK—LEATHER INDUSTRY

Continuous production lines for the wet operations in the production of stiff leather in the Ivano-Frankovsk Leather Combine. B. I. Dechko, D. S. Pozhars'kyi. Leh. prom. no. 4:13-17 O-D '63.

IVANO-FRANKOVSK REGION—GEOLOGY, STRUCTURAL

Block tectonics of the border of the external zone of the Carpathian piedmont fault between Ivano-Frankovsk and Kolomyya. V. S. Burov, A. O. Matvieieva, R. I. Kokhalevych. Dop. AN URSR no. 3:365-369 '64.

IVANOVO—MINERAL WATERS

Changes in some liver functions in relation to the treatment with Sosnevskiy mineral water. I. I. Valova. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:102-104 '62.

IVANOVO—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

From the "Notebook of the secretary of a city committee" (to be continued). B. A. Borisov. Vop. ist. KPSS 8 no. 5:69-76 My '64.

IVANOVO PROVINCE—HEPATITIS, INFECTIOUS

Some epidemiological problems of Botkin's disease. V. M. Sukharev. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:123-129 '62.

IVENS, JORIS, 1898-

Drobashenko, S. V. [Motion picture director Joris Ivens] Kinorezhisser Ioris Ivens. Moskva, Iskusstvo, 1964. 102 p. (Mastera zarubezhnogo kinoiskusstva)

IWASZKIEWICZ, JAROSAW, 1894-

Our guest Jarosaw Iwaszkiewicz. S. Belza. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 2:93-94 Mr-Ap '64.

IZHEVSK—EMPLOYEES, DISMISSAL OF

More on attention and sensitiveness. Sov. profsoiuzy 20 no. 8:13 Ap '64.

IZOBIL'NOYE DISTRICT—GRAIN

Determine the structure of grain planting correctly. I. Shmonin. Ekon. sel'khoz. 35 no. 4:84-90 Ap '64.

IZYUMKA VALLEY—SINKHOLES

A recent karst sink. S. G. Kashtanov. Izv. Vses. geog. ob-va 96 no. 1:57 Ja-F '64.

al-JAIFI, HAMOUD, 1918-

Hamoud al-Jaifi. Anton Roy Ganz. Nov. vrem. 21 no. 20:15 My '64.

JAPAN—FOREIGN RELATIONS—RUSSIA

Editorial comment. Nov. vrem. 21 no. 20:3 My '64.

JAPAN—LANGUAGES

Our trend of linguistic study in Japan. S.V.Neverov. Vop.iaz. 12 no.6:136-140 N-D '63.

JAPANESE FLOWERING CHERRY

Vegetative reproduction of the Japanese cherry. O.O. Kedrov-Zikhman. Bot.; issl. Bel. otd. VBO no.5:184-187 '63.

JAPANESE PAGODA TREE

Effect of salts on some physiological characteristics of seeds and sprouts of the Japanese pagoda tree. S.A. Alekperov, T.E.Khrzhanovskaia. Izv. AN Azerb.SSR. Ser.biol.i med.nauk no.12:3-15 '61.

JAPANESE POETRY—HISTORY AND CRITICISM

"Songs of Hiroshima." D.Goncharuk. Az.i Afr.seg. 7 no.5:58 My '64.

JAWS—DISEASES

Shock and its clinical manifestations in diseases and injuries of the maxillofacial region. V.S.Dmitrieva. Trudy TSIU 64:214-219 '63.

JAWS—FRACTURE

Classification of fractures of the ramus mandibuli. S.I. Kaganovich. Trudy TSIU 64:201-206 '63.

Closed fractures of the ramus mandibuli and a method of their treatment. G.G.Fedorova. Trudy TSIU 64:207-213 '63.

Conservative method of treating fractures of an endentulous mandible. R.M.Frigof. Trudy TSIU 64:196-197 '63.

Treatment of fractures of the jaw in children with caps from quick-setting plastic. K.A.Mel'nikov. Trudy TSIU 64:198-200 '63.

JAWS—SURGERY

Methods of preservation and indication for the application of preserved homocartilage in maxillofacial surgery. A.S.Silaeva. Trudy TSIU 64:110-113 '63.

Orthopedic aid following a resection of the maxilla. A.V. Lubotskii. Trudy TSIU 64:246-251 '63.

Some characteristics of conducting intratracheal anesthesia in maxillofacial surgery. IU.N.Gorovoi. Trudy TSIU 64:172-175 '63.

JAWS—TUMORS

Extensive cementomas of the jaw. N.M.Mikhel'son. Trudy TSIU 64:126-129 '63.

JAWS—WOUNDS AND INJURIES

Morphological changes in the process of healing wounds of the maxillofacial region in acute (experimental) radiation injury. V.S.Dmitrieva. Trudy TSIU 64:151-161 '63.

JEALOUSY

Clinical characteristics of a syndrome of exaggerated ideas of marital infidelity. I.N.Timofeev. Zhur.nevr. i psikh. 64 no.3:390-397 '64.

Some forms of jealousy delirium in patients with cerebral arteriosclerosis in old age. M.G.Shchirina. Zhur.nevr.i psikh. 64 no.2:256-264 '64.

JEHOVAH'S WITNESSES see subdivision under Siberia, Eastern

JEJUNUM—CANCER

Case of cancer of the small intestine. V.D.Firsov. Khirurgiia 39 no.6:134-135 Je '63.

JEJUNUM—SURGERY

Gastrojejunoplasty using part of the stomach. G.N. Nadareishvili. Eksper.khir.i anest. 8 no.4:22 Jl-Ag '63.

JESUS CHRIST

Kublanov, M.M. [Jesus Christ—God, man, or a myth?] Iisus Khristos - bog, chelovek, mif? Moskva, Izd-vo "Nauka," 1964. 165 p. (Nauchno-populiarnaia seriia)

JET PLANES

Birds and jet aircraft. K.A.Gil'zin, A.A.Novobytov. Priroda 53 no.5:95-97 '64.

JET PLANES—FUEL

Preliminary filtration as a factor increasing the thermal stability of fuels for ramjet engines. I.N.Danilov, Kh.A.Murzabulatov. Trudy BashNII NP no.6:102-105 '63.

JETS

Determination of the length of a solid jet using a luminous jet. V.I.Smirnov, V.M.Bakhtiukov, A.K.Kolosovskaia. Izv.vys.ucheb.zav.; energ. 7 no.4:99-102 Ap '64.

JETS—FLUID DYNAMICS

Calculating trajectories and the range of fan and twin plane jets in a restricted lateral flow. V.A.Kosterin, E.V.Rzhevskii. Izv.vys.ucheb.zav.;av.tekh. 7 no.1:112-121 '64.

JOHNSON GRASS—TOXICOLOGY

Mass poisoning of swine by Johnson grass. M.F.Koliev, F.E.Fediushin. Veterinariia 40 no.10:45-46 O '63.

JOINTS

Effect of special exercises on the mobility of the joints in schoolchildren. B.V.Sermeev. Teor.i prak.fiz. kul't. 26 no.9:43-44 S '63.

JOINTS—TUBERCULOSIS

Incidence of bone and joint tuberculosis in Samarkand Province in relation to the incidence of pulmonary tuberculosis among the population. A.A.Gevorkov. Nauch.trudy SamMI 21:20-22 '62.

Late results of antibacterial therapy of osteoarticular tuberculosis in children. K.M.Maskeev. Zdrav.Kazakh. 23 no.4:53-56 '63.

State of vascular tone and arterial pressure according to the oscillographic data in patients with bone and joint tuberculosis. R.R.Guliev. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.2:117-126 '63.

JOINTS (BUILDING)

Study of the joints and elements of precast cylindrical shells made from light or cellular concretes. J.Cinenkovas, P.Dauderys. Trudy AN Lit.SSR.Ser.B no.1:205-223 '63.

Sulfur sealing of joints of cast-iron sewer pipes. R.L. Ittsigson. Mont.i spets.rab.v stroi. 26 no.4:25-26 Ap '64.

Survey and analysis of butt joints of asbestos-cement pipes. E.A.Preger. Sbor.trud.LISI no.41:26-68 '62.

JOINTS (GEOLOGY)

Calculation and forecast of fracturing in rocks. A.N. Kabokin, A.A.Chukanov. Izv.AN Kazakh.SSR.Ser. geol. 21 no.2:68-77 Mr-Ap '64.

JOURNALISM

(see also subdivision under Andizhan Province; Transcaucasia; White Russia)

Journalistic style must be vivid. G.Kolosov. Part. zhizn' Kazakh. 34 no.3:75-78 Mr '64.

Party character of the press and the journalist's world outlook. K.N.Smirnov. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.1:37-52 Ja-F '64.

Prozhogin, V.E. [M. Gor'kii: how he wrote, what he thought, and what he said about journalism] M. Gor'kii - kak on pisal, chto dumal i govoril o publitsistike. Moskva, Politizdat, 1964. 101 p. (Bibliotechka zhurnalista)

Tendencies in the formation of genres in Soviet journalism; introductory remarks. M.S.Cherepakhov. Vest.Mosk.un.Ser.7: Filol.,zhur. 19 no.1:23-30 Ja-F '64.

And the word struck home like a bayonet! N.Dostanko. Komm.Bel. 38 no.4:66-70 Ap '64.

JOURNALISM—CONGRESSES

To have closer ties with life! (conclusions of the Conference on Problems of Journalism). Vest.Mosk.un. Ser.7: Filol.,zhur. 19 no.1:85-89 Ja-F '64.

JOURNALISM, MILITARY

Newspapers "Okopnaia pravda" and Otkliki pravdy" in the struggle to win the masses of soldiers after the June days of 1917. M.I.Alekseeva. Vop.ist.KPSS 8 no.5:59-64 My '64.

JUDAISM—CONTROVERSIAL LITERATURE

Zyskin, G.S. [Judaism and Zionism; whom they serve and how] IUdaizm i sionizm; komu i kak oni sluzhat. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 69 p.

JUDGES see subdivision under Kirghizistan

JUDGMENTS

Polumordvinov, D.I. [Legal force of court decisions] Zakonnaia sila sudebnogo resheniia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 188 p.

JUGLANDACEAE, FOSSIL see subdivision under Tavda Valley

JUMPING

Abstracts of foreign articles on jumping for athletes and children. V.F.Lomeiko. Teor.i prak.fiz.kul't 26 no.9:67-69 S '63.

JUMPING PLANT LICE see subdivision under Kulunda Steppe

JUPITER (PLANET)

Radar contact with Jupiter. V.A.Kotel'nikov and others. Dokl.AN SSSR 155 no.5:1037-1038 Ap '64.

JURMALI (LATVIA)—GUIDEBOOKS

[The city of Jurmali; a concise guide] Gorod IUrmala; kratkii spravochnik. Riga, Latviiskoe gos. izd-vo, 1963. 67 p.

JUSTICE, ADMINISTRATION OF

(see also subdivision under Semipalatinsk Province)

Current plenary session of the Supreme Court of the U.S.S.R. Sots.zakon. 40 no.12:72-73 D '63.

JUVENILE DELINQUENCY

(see also subdivision under Latvia; Vladimir Province)

Complete uprooting of the neglect of children and juvenile delinquency is the most important task for all organs maintaining public order. V.S.Tikunov. Sov.gos.i pravo 34 no.4:27-35 Ap '64.

A meeting in the Central Committee of the CPSU. Sov. gos.i pravo 34 no.4:3-4 Ap '64.

KABARDIAN LANGUAGE—VERB

Sakiev, N.IA. [Types of verbal word combinations in the modern Kabardino-Cherkess language] Tipy glagol'nykh slovosochetanii v sovremennom kabardino-cherkesskom iazyke. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1963. 91 p.
(MH)

KABARDINO-BALKAR A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION

Nal'chik. Kabardino-Balkarskii nauchno-issledovatel'skii institut. [Formation and consolidation of the Kabardino-Balkar provincial Party organization during 1917-1922; documents and materials] Vozniknovenie i ukreplenie Kabardino-Balkarskoi oblastnoi partiinoi organizatsii v 1917-1922 gg.; sbornik dokumentov i materialov. Sost. Kh.G.Berikotov, R.Kh.Gugov i U.A.Uligov. Pod red. Kh.G.Berikotova. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 323 p.
(MH)

KABARDINO-BALKAR A.S.S.R.—HISTORY—SOURCES

Nal'chik. Kabardino-Balkarskii nauchno-issledovatel'skii institut. [Formation and consolidation of the Kabardino-Balkar provincial Party organization during 1917-1922; documents and materials] Vozniknovenie i ukreplenie Kabardino-Balkarskoi oblastnoi partiinoi organizatsii v 1917-1922 gg.; sbornik dokumentov i materialov. Sost. Kh.G.Berikotov, R.Kh.Gugov i U.A. Uligov. Pod red. Kh.G.Berikotova. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 323 p.
(MH)

KADZHARAN (ARMENIA)—COPPER MINES AND MINING

Outstanding drillers. Sh.Gasparian. Prom.Arm. 7 no.3:48 Mr '64.

KAGAN REGION (BUKHARA PROVINCE)—GEOLOGY, STRUCTURAL

Types of local structures of the Kagan region and methods for studying them. A.N.Simonenko. Neftegaz. geol.i geofiz. no.12:6-11 '63.

KAKHETIA—ZELKOVA

One more unknown habitat of Zelkova carpinifolia (Pall.) Dipp. in Kakhetia [In Georgian with summary in Russian]. I.I.Vachnadze, E.D.Soselia. Vest.Tbil.bot. sada no.68:81-84 '62.

KAKHOVKA (KHERSON PROVINCE)—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Technological repair and the technical methods of its performance. V.H.Onyshchenko. Mekh.sil'.hosp. 15 no.2:14-16 F '64.

KAKHOVKA RESERVOIR—FISHES—EGGS

Development of pike perch and bream eggs under increased pressure [with summary in English]. M.D.Bilyi. Dop.AN URSR no.4:549-552 '64.

KALININ—CLOTHING INDUSTRY

For the people.... L.Ermilina. Sov.torg. 37 no.3:17-19 Mr '64.

KALININ PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY

Kalinin. Oblastnaia biblioteka. Bibliograficheskii otdel. [From the history of the Kalinin Province Party organization; an index of recommended literature] Iz istorii Kalininskoi oblastnoi partiinoi organizatsii; rekomendatel'nyi ukazatel' literatury. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 31 p.
(CSt-H)

KALININ PROVINCE—CRIMINAL JUSTICE, ADMINISTRATION OF

Let us coordinate our struggle against the violation of Soviet laws. I.Zykov. Sots.zakon. 40 no.12:16-18 D '63.

KALININ PROVINCE—LARCH

Relationship between the needle bulk and the current annual increment of Siberian larch. A.G.Zyrianov. Les. khoz. 17 no.4:28-29 Ap '64.

KALININGRAD—FISHING BOATS—MAINTENANCE AND REPAIR

Activation of reserves. I.Korolev, V.Barkov. Ryb. khoz. 40 no.3:29-32 '64.

KALININGRAD PROVINCE—DRAINAGE

Chemistry in the cleaning of land improvement canals. N.V.Klimova. Zashch.rast.ot vred.i bol. 9 no.4:22-23 '64.

KALININGRAD PROVINCE—TAX COLLECTION

Collection practice of delinquent agricultural tax is in need of change. A.Korotkov. Sov.iust. 28 no.9:23 My '64.

KALUGA PROVINCE—BIRCH

Gradual cuttings in birch forests. A.S.Turkin, N.M. Nabatov. Les.khoz. 17 no.4:21-23 Ap '64.

KALUGA PROVINCE—FOREST MANAGEMENT

Gradual cuttings in birch forests. A.S.Turkin, N.M. Nabatov. Les.khoz. 17 no.4:21-23 Ap '64.

KALUGA PROVINCE—IODINE

Cartogram of the iodine content of soils in Kaluga Province and methods of its drawing. A.N.Tiuriukanov, G.M.Shamaeva. Nauch.dokl.vys.shkoly; biol.nauki no.2:196-198 '64.

KALUGA PROVINCE—SOILS

Cartogram of the iodine content of soils in Kaluga Province and methods of its drawing. A.N.Tiuriukanov, G.M.Shamaeva. Nauch.dokl.vys.shkoly; biol.nauki no.2:196-198 '64.

KAMA VALLEY—GEOLOGY, STRUCTURAL

New data on the stratigraphy and lithology of the terrigenous sediments in the Lower Carboniferous of the southern part of the Kama arch. M.M.Balashova, M.D. Sazonova. Neftegaz.geol.i geofiz. no.5:33-37 '63.

KAMA VALLEY—LANDFORMS

Relief of the Kama-Vychegda watershed and its development. IU.F.Mashkov. Trudy VSEGEI 90:146-156 '63.

KAMA VALLEY—REVOLUTION, 1917-1921—BIBLIOGRAPHY

Perm. Gosudarstvennaia publichnaia biblioteka imeni M.Gor'kogo. Nauchno-bibliograficheskii otdel. [Fighters for people's happiness; index to literature on the prominent participants of the revolutionary movement in the Kama Valley] Bortsy za narodnoe schast'e; ukazatel' literatury o vydaiushchikhsia deiateliakh revoliutsionnogo dvizheniia v Prikam'e. [Perm'] Permskoe knizhnoe izd-vo, 1963. 22 p.
[MICROFILM]

KAMA VALLEY—ROCKS, SEDIMENTARY

New data on the stratigraphy and lithology of the terrigenous sediments in the Lower Carboniferous of the southern part of the Kama arch. M.M.Balashova, M.D. Sazonova. Neftegaz.geol.i geofiz. no.5:33-37 '63.

KAMA VALLEY—SANDSTONE

Origin of the blocks of quartzlike sandstone in the upper Kama and Vyatka Valleys. P.V.Ivashov. Biul.Kom. chetv.per. no.20:164-167 '63.

KAMCHATKA—CONSERVATION OF NATURAL RESOURCES

Some problems of conservation in Kamchatka. N.E. Kabanov. Okhr.prir.Sib.i Dal'.Vost. no.1:52-60 '62.

KAMCHATKA—EARTHQUAKES

Spectra of body waves in Kamchatka earthquakes. V.L. Belotelov, N.V.Kondorskaia. Izv.AN SSSR.Ser. geofiz. no.4:476-482 Ap '64.

KAMCHATKA—GEOLOGY, STRATIGRAPHIC

Problems of the stratigraphy of the Lower Cretaceous sediments in the Koryak-Kamchatka region. G.P.Avdeiko, M.A.Pergament. Izv.AN SSSR.Ser.geol. 29 no.5: 76-86 My '64.

KAMCHATKA—GRANITE

Prokhorov, K.V. [Tertiary granitoids of Kamchatka] Tretichnye granitoidy Kamchatki. Moskva, Izd-vo "Nauka," 1964. 132 p.

KAMCHATKA—MITES

Materials on gamasid mites (Gamasoidea) in the Kamchatka Peninsula. N.A.Violovich. Trudy Biol.inst. Sib.otd.AN SSSR no.10:102-108 '63.

KAMCHATKA—ROCKS, IGNEOUS

Miocene zoogeography of Kamchatka and the volcanism of the Central Range. IU.Salin. Dokl.AN SSSR 155 no.5:1078-1081 Ap '64.

KAMCHATKA—SOILS—TRACE ELEMENT CONTENT

Trace element content of soils in the central Kamchatka Depression. B.V.Sheremet. Nauch.dokl.vys.shkoly; biol.nauki no.2:191-195 '64.

KAMCHATKA—ZOOGEOGRAPHY

Miocene zoogeography of Kamchatka and the volcanism of the Central Range. IU.Salin. Dokl.AN SSSR 155 no.5:1078-1081 Ap '64.

KAMCHATKA VALLEY—FORESTS AND FORESTRY

First afforestation results in the Kamchatka Valley. I.N. Elagin. Okhr.prir.Sib.i Dal'.Vost. no.1:61-70 '62.

KANARESE LANGUAGE—VERBS

Distribution and alternation of morphemes in the verbal structures of modern Kannada. IU.IA. Glazov. Nar.Az.i Afr. no.3:123-128 '64.

KANEV DISTRICT—EROSION

Water erosion control. B.V.Zaskal'kov. Priroda 53 no.5:113-114 '64.

KANIN PENINSULA—COAST CHANGES

Recent movements and the history of the development of the coastal zone in the northern part of Kanin Peninsula. M.A.Spiridonov. Trudy VSEGEI 90:157-167 '63.

KANIN PENINSULA—GEOMORPHOLOGY

Recent movements and the history of the development of the coastal zone in the northern part of Kanin Peninsula. M.A.Spiridonov. Trudy VSEGEI 90:157-167 '63.

KANSAY REGION (LENINABAD PROVINCE)—GEOLOGY

Geology of the Shevchukovskoye deposit in the Kansay ore field. V.N.Titov. Geol.rud.mestorozh. 5 no.6:101-104 N-D '63.

KANSAY REGION (LENINABAD PROVINCE)—ORE DEPOSITS

Geology of the Shevchukovskoye deposit in the Kansay ore field. V.N.Titov. Geol.rud.mestorozh. 5 no.6:101-104 N-D '63.

KANT, IMMANUEL, 1724-1804

Kant and contemporary irrationalism. IU.M.Borodai. Vop.filos. 18 no.3:118-128 '64.

KAOLIN

Application of the super centrifuge dispersion analysis for investigating clay and kaolin fractions of less than 1μ. N.S.Belostotskaia. Trudy NIIStroikeramiki no.19:23-28 '62.

KAPSUKAS, VINCAS, 1880-1935

Skliarskaite, F. [Struggle of V.Kapsukas against bourgeois ideology in Lithuania] V Kapsuko kova pries burzuazine ideologija Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 174 p. [In Lithuanian]
(MH)

KARA-BOGAZ-GOL (GULF)—MINES AND MINERAL RESOURCES

Is this the way to handle the Kara-Bogaz treasure? L.Vasil'ev. Nar.khoz.Sred.Az. 1 no.2:34-36 F '64.

KARA-KALPAK A.S.S.R.—COTTON GROWING

Thermal resources ensuring the cultivation of cotton on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. D.Matmuratov. Nauch.trudy TashGU no.213.Geog.nauki no.24:32-37 '63.

KARA-KALPAK A.S.S.R.—ECONOMIC GEOGRAPHY

Economic-geographical regions of the Kara-Kalpak A.S.S.R. T.Tadzhimov. Nauch.trudy TashGU no.213. Geog.nauki no.24:58-71 '63.

KARA-KALPAK A.S.S.R.—PRECIPITATION (METEOROLOGY)

Characteristics of natural moisturing with atmospheric precipitations on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. D.Matmuratov. Nauch.trudy TashGU no.213.Geog.nauki no.24:153-161 '63.

KARABAKH STEPPE—SOIL FUNGI

Composition of the fungi of some soils in the Karabakh Steppe of the Azerbaijan S.S.R. N.A.Mekhtieva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.6:75-81 '63.

KARABAKH STEPPE—TOMATOES—VARIETIES

High-yield tomato varieties recommended for production in the Karabakh Lowland. M.A.Musaev, T.M.Gvozdenko. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1: 33-41 '63.

KARABASH (CHELYABINSK PROVINCE)—MINING MACHINERY—MAINTENANCE AND REPAIR

Study of the safe operation of electric equipment in mines of the Karabash Mining and Ore Dressing Combine. B.P. Belykh, M.V.Medvedev. Izv.vys.ucheb.zav.; gor. zhur. 6 no.12:170-176 '63.

KARACHAY-CHERKESS AUTONOMOUS PROVINCE—LITERATURES

Samoilin, Viktor, comp. [Mountain stream; works by writers of Karachay-Cherkessia] Gornyi potok; sbornik proizvedenii pisatelei Karachaevo-Cherkesii. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1958. 124 p.
(MH)

KARACHI, PAKISTAN—REINFORCED CONCRETE CONSTRUCTION

Construction of a quay in Karachi. I.E.TSimbarg. Transp.stroi. 13 no.11:68-69 N '63.

KARACHI, PAKISTAN—WHARVES

Construction of a quay in Karachi. I.E.TSimbarg. Transp.stroi. 13 no.11:68-69 N '63.

KARADAG—PARAFFINS

Hydrocarbon composition of gasoline fractions obtained from Karadag waxy crudes (Puta, Supra-Kirmaki sand series). G.G.Ashumov and others. Azerb.khim.zhur. no.1:23-29 '64

KARADZIC, VUK STEFANOVIC, 1787-1864

Shevchenko's "Imitation of the Serbian." I.P.IUshchuk. Rad.lit. 8 no.2:112-116 Mr-Ap '64.

KARAGANDA—LIBRARIES, CHILDREN'S

Library as a friend of the school. S.Asainova. Part. zhizn' Kazakh. 34 no.3:35-37 Mr '64.

KARAGANDA—MACHINERY INDUSTRY—MANAGEMENT

They are analyzing and economizing. P.Shcherbinin. Nar.khoz.Kazakh. 22 no.4:23-26 Ap '64.

KARAGANDA—METALLURGISTS—DISEASES AND HYGIENE

Sources of infection by pathogenic staphylococci [with summary in English]. A.A.Levina. Zhur.mikrobiol., epid.i immun. 40 no.9:106-109 S '63.

KARAGANDA—STAPHYLOCOCCAL DISEASE

Sources of infection by pathogenic staphylococci [with summary in English]. A.A.Levina. Zhur.mikrobiol., epid.i immun. 40 no.9:106-109 S '63.

KARAGANDA BASIN—COAL MINES AND MINING

Efficiency of using a metal support in longwalls of Karaganda Basin mines. M.I.Shnaidman. Ugol' 38 no.12:47-49 D '63.

For the improvement of technical and economic indices of operations in the Karaganda Basin. P.K.Matonin. Ugol' 38 no.12:3-6 '63.

How a party organizer spends his time. A.Kriukov, E.Karlik. Part.zhizn' Kazakh. 34 no.1:60-61 Ja '64.

Operation of powered units for changing mine cars during the construction of mines in Karaganda. A.M.Fridliand, V.D.Dulin, A.N.Felonin. Shakht.stroi. 7 no.12:21-25 D '63.

KARAGANDA BASIN—MINE GASES

Gas abundance in mines of the Karaganda Basin with the use of new machines. N.I.Ustinov. Nauch.soob.IGD 22:163-171 '63.

KARAGANDA BASIN—MINERS—EDUCATION AND TRAINING

Propagandists in a mine are learning the work method. K.Merkulova. Part.zhizn' Kazakh. 34 no.3:51 Mr '64.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

He is loyal to duty. V.Sorokin. Nar.khoz.Kazakh. 22 no.4:81 Ap '64.

KARAGANDA PROVINCE—POWER RESOURCES

Standardization of power resources in industrial enterprises of the Karaganda Province. I.G.Zasypkin. Prom.energ. 19 no.2:7-9 F '64.

KARAGANDA PROVINCE—RURAL CONSTRUCTION

Several problems of rural construction. V.Chemov. Ekon.stroi. no.3:25-30 Mr '64.

KARAGANDA PROVINCE—STATE FARMS—AUDITING AND INSPECTION

Activists are exchanging experiences. I.Afanas'ev. Part.zhizn' Kazakh. 34 no.3:52-53 Mr '64.

KARAGANDA PROVINCE—TICKS

Wintering of the tick Dermacentor marginatus Sulz. on farm animals in Karaganda Province. E.B.Diusembaev. Paraz.sel'khoz.zhiv.Kazakh. 2:114-115 '63.

KARAGANDA PROVINCE—WAGES—MINERS

Blaster is an important occupation. V.Korovainyi. Nar.khoz.Kazakh. 22 no.4:75 Ap '64.

KARAKUM—BACTERIA, SULFUR

Microbiological studies in the Karakum sulfur deposit (with summary in English). G.I.Karavaiko, M.V. Ivanov, L.B.Pomerants. Izv.AN SSSR.Ser.biol. no.2: 249-260 Mr-Ap '63.

KARAKUM—BIRDS—EGGS AND NESTS

Reproduction of the warbler Scotocerca inquieta platyura Sev. O.Sopyev. Trudy Turk.sel'khoz.inst. 11 no.2: 113-120 '62.

KARAKUM—SULFATES

Microbiological studies in the Karakum sulfur deposit (with summary in English). G.I.Karavaiko, M.V. Ivanov, L.B.Pomerants. Izv.AN SSSR.Ser.biol. no.2: 249-260 Mr-Ap '63.

KARAKUM—WARBLERS

Reproduction of the warbler Scotocerca inquieta platyura Sev. O.Sopyev. Trudy Turk.sel'khoz.inst. 11 no.2: 113-120 '62.

KARAKUM CANAL

A new path to the Caspian Sea. P.Fedoriakov. Nar. khoz.Sred.Az. 1 no.4:43-48 Ap '64.

KARAKUM CANAL—HYDRAULICS

[illegible] the [illegible] of the bed in theKarakum Canal. [illegible] D.AI.TASKHA no.67:353-358 '63.

KARAMAZAR MOUNTAINS—METAMORPHISM (GEOLOGY)

[illegible] of ore metamorphism in the Zambarak deposit (western Karamazar Mountains, Central Asia). [illegible] Geol.rud.mestorozh. 5 no.6:93-95 N-D '63.

KARAMAZAR MOUNTAINS—SELENIUM

Selenium and tellurium in lead-zinc deposits of the Altyn-Topkan ore zone. N.V.Necheliustov and others. Trudy IMGRE no.10:125-135 '63.

KARAMAZAR MOUNTAINS—TELLURIUM

Selenium and tellurium in lead-zinc deposits of the Altyn-Topkan ore zone. N.V.Necheliustov and others. Trudy IMGRE no.10:125-135 '63.

KARELIA—ELECTRIFICATION

Karelia in the plan of the State Commission for the Electrification of Russia. B.A.IUrgens. Ist.SSSR 8 no.2:116-125 Mr-Ap '64.

KARELIA—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Dynamics of the yield of meadow phytocenoses in connection with ecological conditions and the application of fertilizers. V.A.Zaikova. Bot.zhur. 49 no.4:589-[illegible] Ap '64.

KARELIA—STATE FARMS—FINANCE

New norms are not applied. I.Vichurin. Fin.SSSR 38 no.3:57-59 Mr '64.

KARELIAN LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Karel'skii filial, Petrozavodsk. Institut iazyka, literatury i istorii. [Chronicle of the literary life of Karelia; 1917-1961] Letopis' literaturnoi zhizni Karelii, 1917-1961. Sost. M. F. Pakhomova, N. S. Polishuk. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 510 p.
(NjP)

KARST

(see also subdivision under Kazakhstan; Pskov Province; White Russia; Yuryuzan-Sylva Depression)

A recent karst sink. S.G.Kashtanov. Izv.Vses.geog.ob-va 96 no.1:57 Ja-F '64.

KARYOKINESIS

Characteristics of cellular complexes of the ascitic mouse hepatoma 22. IU.M.Vasil'ev and others. Dokl.AN SSSR 156 no.1:168-170 My '64.

Existence of nucleoli at the early stages of cleavage. I.I.Kiknadze. TSitologiia 5 no.3:319-320 My-Je '63.

Role of a DNA-dependent synthesis of RNA in the activation of the genetic apparatus of differentiated cells in case of their enhanced physiological function. F.Z. Meerson and others. Dokl.AN SSSR 155 no.3:698-701 Mr '64.

KARYSHEVA, KSENIIA ALEKSANDROVNA, 1884-1962

Obituaries. Vest.derm.i ven. 37 no.4:85-86 Ap '63.

KASHIRIN, ALEKSEI IVANOVICH, 1926-1945

There was a lad born in Ryazan.... D.Alekseev, R.Latysheva. Sov.voin 44 no.22:34-35 N '62.

KATAEV, SEMEN ISIDOROVICH, 1904-

Sixtieth birthday of S.I.Kataev. Tekh.kino i telev. 8 no.5:93 My '64.

KATTA-KURGAN (SAMARKAND PROVINCE)—DYSENTERY

Combination of a dysenteric infection with protozoal and helminthic invasions and other accompanying diseases according to materials from Katta-Kurgan. P.M. Lerner and others. Nauch.trudy SamMI 21:36-38 '62.

KATUN' RANGE—ROCK GLACIERS

Rock streams in the Katun' Range (central Altai). V.V. Zamoruev. Trudy VSEGEI 90:126-133 '63.

KAVAK BASIN—COAL—ANALYSIS

Composition and properties of coals from Kara-Kiche fields. N.I.Nazarova, V.I.Mozhaeva. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:71-76 '62.

KAVAK BASIN—LIGNITE—ANALYSIS

Chemical-technological study of coals from the Kavak brown coal basin. G.K.Petrik, A.A.IAsynova, N.I. Nazarova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:77-82 '62.

KAZAKH LANGUAGE—DICTIONARIES

New national dictionaries. N.A.Baskakov, Sh.Sh. Sarybaev. Vop.iaz. 12 no.6:151-154 N-D '63.

KAZAKHSTAN—AGRICULTURAL ADMINISTRATION

Organizational party work should be practical and businesslike. Part.zhizn' Kazakh. 34 no.3:6-10 Mr '64.

KAZAKHSTAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

The international education of workers. N.Felitorov. Part.zhizn' Kazakh. 34 no.4:49-52 Ap '64.

KAZAKHSTAN—AGRICULTURE

Perfecting the working methods of rural party committees. Part.zhizn' Kazakh. 34 no.1:3-7 Ja '64.

Unforgettable encounters. F.Bolarskii. Part.zhizn' Kazakh. 34 no.4:33-38 Ap '64.

KAZAKHSTAN—ANAPLASMOSIS

Anaplasmosis in sheep in Kazakhstan. V.M.Peteshev. Paraz.sel'khoz.zhiv.Kazakh. 2:135-146 '63.

KAZAKHSTAN—ARCHAEOLOGY—BIBLIOGRAPHY

Archaeological literature in the publications of the Academy of Sciences of the Kazakh S.S.R. in 1946-1962. K.Baipakov. Sov.arkheol. 8 no.2:244-251 '64.

KAZAKHSTAN—ARCTIC FOX—DISEASES AND PESTS

Toxoplasmosis in silver and Arctic foxes in the Ural and Alma-Ata nurseries. A.V.Levit, U.D.Vustina. Paraz.sel'khoz.zhiv.Kazakh. 2:200-204 '63.

KAZAKHSTAN—ATHEISM—STUDY AND TEACHING

Aggressive, militant, implacable atheism. P.Kuz'min. Part.zhizn' Kazakh. 34 no.1:36-41 Ja '64.

KAZAKHSTAN—ATMOSPHERIC TURBULENCE

Conditions governing the origination of turbulence in the upper half of the troposphere. R.S.Golubov, T.A. Eserkepova. Trudy KazNIGMI no.20:3-30 '63.

KAZAKHSTAN—AUDITING AND INSPECTION

Efficiency is the main thing. A.Galanin. Fin.SSSR 38 no.4:43-45 Ap '64.

Listen keenly to the voice of the masses. A.Nabatov. Part.zhizn' Kazakh. 34 no.4:55-58 Ap '64.

KAZAKHSTAN—CHEMICAL INDUSTRIES

Chemistry is the key to prosperity. M.Solomentsev. Part.zhizn' Kazakh. 34 no.3:11-16 Mr '64.

Party confidence inspires youth. M.Isinaliev. Part.zhizn' Kazakh. 34 no.4:30-32 Ap '64.

Proposed expansion of the Kazakh chemical industry. Vest.AN Kazakh.SSR 19 no.11:90 N '63.

Raw material resources of the Kazakh chemical industry and the tasks facing the chemical technology of the republic. K.I.Satpaev. Vest.AN Kazakh.SSR 19 no.11:3-23 N '63.

KAZAKHSTAN—COAL MINES AND MINING

Conquerers of subterranean depths. M.Ermakov. Nar.khoz.Kazakh. 22 no.4:62 Ap '64.

KAZAKHSTAN—COKE INDUSTRY—BY-PRODUCTS

Supply the by-product coke industry with a reliable raw material base. V.Uspenskii. Nar.khoz.Kazakh. 22 no.4:20-22 Ap '64.

KAZAKHSTAN—COMMUNISM AND ART

Great mission of the art of socialist realism. A.Shmanov. Part.zhizn' Kazakh. 34 no.3:46-51 Mr '64.

KAZAKHSTAN—COMMUNIST EDUCATION

Trade unions and the education of the new man. L.Andreeva. Part.zhizn' Kazakh. 34 no.1:46-50 Ja '64.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION

Alma-Ata. Institut istorii partii. [The Communist Party of Kazakhstan at the second stage of developing virgin soil; documents and materials] Kompartiia Kazakhstana na vtorom etape osvoeniia tseliny; sbornik dokumentov i materialov. Alma-Ata, Kazgosizdat, 1963. 541 p.
(MH)

Alma-Ata. Institut istorii partii. [History of the Communist Party of Kazakhstan. A collection of articles on the 60th anniversary of the Second Congress of the Russian Social Democratic Party] Voprosy istorii Kompartii Kazakhstana. Sbornik statei k shestidesiatiletiiu II s"ezda RSDRP. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 306 p.
(NjP)

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY

Bibliography of documents concerning the history of The Communist Party of Kazakhstan. M.M.Litviak. Vop.ist.KPSS 8 no.4:126-128 Ap '64.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party news. Part.zhizn' Kazakh. 31[i.e.32] no.8:79-80 Ag '62.

Party news. Part.zhizn' Kazakh. 34 no.3:79 Mr '64.

KAZAKHSTAN—CONSTRUCTION INDUSTRY—MANAGEMENT

Don't stop midway. L.Geller. Nar.khoz.Kazakh. 22 no.4:29-33 Ap '64.

A good boss is master of any situation. A.Nikolaev. Nar.khoz.Kazakh. 22 no.4:12-13 Ap '64.

KAZAKHSTAN—CRIMINAL LAW

Bulatov, S.IA. [Liability for offenses against political, labor, and other rights of citizens under the Criminal Code of the Kazakh S.S.R.] Otvetstvennost' za prestupleniia protiv politicheskikh, trudovykh i drugikh prav grazhdan po ugolovnomu kodeksu Kazakhskoi SSR. Alma-Ata, Kazakhskii gos. univ. im. S.M.Kirova, 1962. 56 p.
[MICROFILM]

KAZAKHSTAN—ECONOMIC CONDITIONS

Figures of a great development. M.Darishev. Part.zhizn' Kazakh. 34 no.1:77-80 Ja '64.

A giant marching into the future. Sh.Kaniev. Part.zhizn' Kazakh. 34 no.4:70-72 Ap '64.

Triumph of the immortal Leninist ideas. Part.zhizn' Kazakh. 34 no.4:5-8 Ap '64.

Useful work. M.Kozybaev. Nar.khoz.Kazakh. 22 no.4:77-79 Ap '64.

KAZAKHSTAN—ELECTRIC PROSPECTING

Practice in applying electric prospecting to the karst-interstitial waters in central Kazakhstan. T.A.Akishev, A.N.Nasyrkhanov. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:78-86 Mr-Ap '64.

KAZAKHSTAN—ENGINEERING GEOLOGY

Recent karst in some regions of central Kazakhstan and its significance from the viewpoint of engineering geology. A.B.D'iachkov. Trudy VSEGINGEO no.1:24-26 '63.

KAZAKHSTAN—FAULTS (GEOLOGY)

Role of faulting in the localization of complex metal mineralization in the Bestyube deposit (central Kazakhstan). A.M.Sadykov. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:87-90 Mr-Ap '64.

KAZAKHSTAN—FORAGE PLANTS

Bringing Solonetz soils, their complexes and combinations with other soils under cultivation for forage crops [with summaries in English, German, and French]. I.V. Larin, Z.S.Akimtsova. Vest.sel'khoz.nauki 8 no.12:87-91 D '63.

KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC

Ordovician stratigraphy of southeastern Kazakhstan. A.V.Leonov. Vest.AN Kazakh.SSR 19 no.11:80-87 N '63.

Polymetallic formation of southern Kazakhstan. A.G. Novikov. Vest.AN Kazakh.SSR 19 no.11:32-39 N '63.

Stratigraphy of the Cenozoic of southeastern Kazakhstan. N.N.Kostenko. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:3-17 Mr-Ap '64.

KAZAKHSTAN—GEOMORPHOLOGY

Basic characteristics of the geomorphological structure of northeastern Kazakhstan. Sh.P.Seliverstov. Mat.VSEGEI.Chet.geol.i geomorf. no.4:197-230 '61.

KAZAKHSTAN—GRAIN—TRANSPORTATION

Plokhov, S.G. [Efficient organization of grain transportation] Ratsional'naia organizatsiia transporta na perevozkakh zerna. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 105 p.

KAZAKHSTAN—GRANITE

Geology of Middle Hercynian granites in central Kazakhstan [with summary in English]. M.I.Burakov. Vest.LGU 19 no.6:12-21 '64.

KAZAKHSTAN—HISTORY

Alma-Ata. Institut istorii partii. [The Communist Party of Kazakhstan at the second stage of developing virgin soil; documents and materials] Kompartiia Kazakhstana na vtorom etape osvoeniia tseliny; sbornik dokumentov i materialov. Alma-Ata, Kazgosizdat, 1963. 541 p.
(MH)

Alma-Ata. Institut istorii partii. [History of the Communist Party of Kazakhstan. A collection of articles on the 60th anniversary of the Second Congress of the Russian Social Democratic Party] Voprosy istorii Kompartii Kazakhstana. Sbornik statei k shestidesiatiletiiu II s"ezda RSDRP. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 306 p.
(NjP)

KAZAKHSTAN—HYDATIDS

Role of swine in the epizootiology and epidemiology of echinococcosis in Kazakhstan. V.A.Shol'. Paraz.sel'khoz.zhiv.Kazakh. 2:50-56 '63.

KAZAKHSTAN—KARST

Practice in applying electric prospecting to the karst-interstitial waters in central Kazakhstan. T.A.Akishev, A.N.Nasyrkhanov. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2:78-86 Mr-Ap '64.

Recent karst in some regions of central Kazakhstan and its significance from the viewpoint of engineering geology. A.B.D'iachkov. Trudy VSEGINGEO no.1:24-26 '63.

KAZAKHSTAN—LABOR AND LABORING CLASSES IN LITERATURE

[illegible]

KAZAKHSTAN—LABOR [illegible]

[illegible]

KAZAKHSTAN—LAW

[illegible]

KAZAKHSTAN—LAKES [illegible]

[illegible]

KAZAKHSTAN—MACHINERY INDUSTRY—MANAGEMENT

[illegible]

KAZAKHSTAN—MEDICINE

[illegible]

KAZAKHSTAN—MINING ENGINEERING

[illegible] [illegible] Alma-Ata, [illegible] 1963. [illegible] p.

KAZAKHSTAN—MOTION PICTURE INDUSTRY

[illegible]

KAZAKHSTAN—[illegible]

[illegible]

KAZAKHSTAN—NEWSPAPERS

[illegible]

KAZAKHSTAN—NONFERROUS METALS AND METALLURGY

[illegible] Alma-Ata, [illegible] 1963. [illegible] p.

KAZAKHSTAN—PALEONTOLOGY, STRATIGRAPHIC

[illegible]

KAZAKHSTAN—PARASITES—CATTLE

[illegible]

KAZAKHSTAN—PARASITES—SHEEP

[illegible]

KAZAKHSTAN—PARASITES—WATER BIRDS

[illegible]

KAZAKHSTAN—PASTURES AND MEADOWS

[illegible]

KAZAKHSTAN—PEGMATITES

Distribution of impurity elements of [illegible] in [illegible] pegmatites of eastern Kazakhstan. [illegible]

KAZAKHSTAN—PETROLEUM INDUSTRY

V. I. Lenin and the establishment of oil fields in Kazakhstan, 1918-1920. [illegible]

KAZAKHSTAN—PLANT SUCCESSION

Primary succession in rocky habitats of the central Kazakhstan peneplain. A. V. Karamysheva. Trudy Bot. inst. Ser. 3 no.16:[illegible] '63.

KAZAKHSTAN—RECLAMATION OF LAND

Alma-Ata. Partiinyi arkhiv. [The Communist Party of Kazakhstan at the second stage of developing virgin soil; documents and materials] Kompartiia Kazakhstana na vtorom etape osvoeniia tseliny; sbornik dokumentov i materialov. Alma-Ata, Kazgosizdat, 1963. [illegible] p. [illegible]

KAZAKHSTAN—ROCKS, IGNEOUS

Upper Paleozoic volcanic [illegible] (central Kazakhstan). [illegible] Trudy VSEGEI 96: [illegible] '63.

Variation of [illegible] in the large tectonic zones of central Kazakhstan as revealed by the [illegible] of the [illegible] [illegible] Izv. AN SSSR. Ser. geol. [illegible] My '64.

KAZAKHSTAN—RURAL CONDITIONS

[illegible] Nurdaulet. [Improving the material welfare and cultural level of the rural population of Kazakhstan] [illegible] Kazakhstana. Alma-Ata, Kaz. [illegible] 1964. [illegible] p.

[illegible]

KAZAKHSTAN—SAIGA—DISEASES AND PESTS

[illegible]

KAZAKHSTAN—SANITARY ENGINEERING

[illegible]

KAZAKHSTAN—SHEEP—DISEASES AND PESTS

[illegible]

[illegible]

[illegible]

KAZAKHSTAN—SHEEP BREEDS

[illegible]

KAZAKHSTAN—SILVER FOX—DISEASES AND PESTS

[illegible]

KAZAKHSTAN—[illegible]

[illegible]

KAZAKHSTAN—STEPPE FLORA

Types of vegetation complexes of the dry steppes of central Kazakhstan [illegible]

KAZAKHSTAN—[illegible]

[illegible]

[illegible] [Animal husbandry in Kazakhstan] [illegible] Kazakhstana. Alma-Ata, [illegible] 1963. [illegible] p. [illegible]

KAZAKHSTAN—TAPEWORMS

[illegible]

KAZAKHSTAN—TAXATION

Efficiency is the main thing. [illegible] Fin. SSSR [illegible] Ap '64.

KAZAKHSTAN—TECHNOLOGICAL INNOVATIONS

[illegible] '64.

[illegible], L. V. [In the fight for technical progress] V bor'be za tekhnicheskii progress. Alma-Ata, Kazgosizdat, 1963. [illegible] p. [illegible] [MICROFILM]

KAZAKHSTAN—THEATER

Following the correct way. [illegible] Part. zhizn' Kazakh. [illegible] no.4:[illegible] Ap '64.

KAZAKHSTAN—TOXOPLASMA

Toxoplasma gondii strain "[illegible]," isolated from sheep. I. G. Galuzo, V. I. Golosov, Z. I. Gurtnerova. Paraz. sel'khoz. zhiv. Kazakh. 2:[illegible] '63.

Toxoplasma gondii strain "[illegible]," isolated from dogs. I. G. Galuzo, V. I. Golosov, Z. I. Gurtnerova. Paraz. sel'khoz. zhiv. Kazakh. 2:[illegible] '63.

KAZAKHSTAN—TOXOPLASMOSIS

Toxoplasmosis in silver and Arctic foxes in the Ural and Alma-Ata provinces. A. V. Levit, N. D. [illegible] Paraz. sel'khoz. zhiv. Kazakh. 2:[illegible] '63.

Toxoplasmosis in ungulates (domestic and wild) in southern Kazakhstan. I. G. Galuzo, V. I. Golosov, Z. I. Gurtnerova. Paraz. sel'khoz. zhiv. Kazakh. 2:[illegible] '63.

KAZAKHSTAN—TRACE ELEMENTS

Distribution of trace elements in [illegible] rocks. V. V. [illegible] Dop. [illegible] '64.

KAZAKHSTAN—TRADE UNIONS

The labor attitude of Soviet citizens. [illegible] Part. zhizn' Kazakh. [illegible] no.4:[illegible] Ap '64.

Trade unions and the education of the new man. [illegible] Part. zhizn' Kazakh. [illegible] Ja '64.

KAZAKHSTAN—UNGULATA—DISEASES AND PESTS

Toxoplasmosis in ungulates (domestic and wild) in southern Kazakhstan. I. G. Galuzo, V. I. Golosov, Z. I. Gurtnerova. Paraz. sel'khoz. zhiv. Kazakh. 2:[illegible] '63.

KAZAKHSTAN—VOLCANOES

Remains of the Upper Paleozoic volcanoes in the [illegible] syncline (central Kazakhstan). [illegible] Izv. AN SSSR. Ser. geol. 29 no.1:[illegible] Ja '64.

Upper Paleozoic volcanic apparatus [illegible] (central Kazakhstan). [illegible] Trudy VSEGEI [illegible] '63.

Upper Paleozoic [illegible] Volcanos in central Kazakhstan. [illegible] Trudy VSEGEI [illegible] '63.

KAZAKHSTAN—WAGES AND LABOR PRODUCTIVITY

Planning and control of labor and wages. [illegible] Part. zhizn' Kazakh. [illegible] Ap '64.

KAZAKHSTAN—WATER, UNDERGROUND

Results of applying electrical prospecting to the search for [illegible] waters in central Kazakhstan. [illegible] Izv. AN SSSR. Ser. geol. [illegible] '64.

KAZAKHSTAN—WEATHER

[illegible]

KAZAKHSTAN—WEATHER FORECASTING

[illegible]

KAZAKHSTAN—WEED CONTROL

[illegible]

KAZAKHSTAN—WORMS, INTESTINAL AND PARASITIC

[illegible]

KAZAKHSTAN—WORMWOOD—WATER REQUIREMENTS

Materials on the water economy of the Kazakhstan [illegible] wormwood. [illegible] Trudy Bot. inst. Ser. 3 no.[illegible] '63.

KAZAN—CANCER RESEARCH

[illegible] of physicians of the city of Kazan concerning the results of the Eighth International Cancer Congress. Kaz. med. zhur. [illegible] '62.

KAZAN—CHEMICAL WORKERS—EDUCATION AND TRAINING

In order to gain a good name... A. [illegible] Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

KAZAN—COMMUNITY AND SCHOOL

In order to gain a good name... A. [illegible] Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

KAZAN—FUR

Experience in the use of operational accounting for the production [illegible] at the "Lenin Order" Fur Combine in Kazan. [illegible] Kozh.-obuv. prom. [illegible] F '64.

KAZAN—INSTRUMENT INDUSTRY—HYGIENIC ASPECTS

Sports enthusiasts. [illegible] Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

KAZAN—OIL INDUSTRIES

In the name of comrades. M. Sharipov. Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

KAZAN—PHYSICIANS—CONGRESSES

Meeting of physicians graduating from the medical department of Kazan University in [illegible]. [illegible] Kaz. med. zhur. no.6:[illegible] N-D '62.

KAZAN—TEXTILE WORKERS—EDUCATION AND TRAINING

Become acquainted with the beautiful. [illegible] Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

Education and labor are inseparable. [illegible] Sov. profsoiuzy 20 no.7:[illegible] Ap '64.

KAZAN—TONSILS—DISEASES

Angina morbidity from data of the First Polyclinic of Kazan. R.A.Abukova. Kaz.med.zhur. no.6:68-70 N-D '62.

KEGEYLI DISTRICT—STATE FARMS—MANAGEMENT

The party committee is working in the old way. K.Zainiddinov. Part.zhizn' [Uzb.] 7 no.4:54-56 Ap '64.

KELIFSKIY UZBOY—BENTHOS

Benthos in the lakes of Kelifskiy Uzboy. A.Atakuliev. Izv.AN Turk.SSR.Ser.biol.nauk no.6:77-81 '63.

KEM' REGION (KARELIA)—GEOLOGY, STRATIGRAPHIC

New data on the study of Quaternary sediments in the Kem' region of Karelia. T.M.Vostrukhina, T.E. Ladyshkina. Dokl.AN SSSR 155 no.3:559-561 Mr '64.

KEM' REGION (KARELIA)—GEOLOGY, STRUCTURAL

Structural relations between the Karelian and the Belomorsk formations in the Kem' region of eastern Karelia. IU.B.Bogdanov and others. Dokl.AN SSSR 156 no.3:550-553, My '64.

KEMEROVO—INFLUENZA

Characteristics of an influenza outbreak in Kemerovo in the summer of 1957. N.N.Orlova, L.D.Kniazeva. Vop.med.virus. no.5 pt.2:19-21 '58.

KEMEROVO—REINFORCED CONCRETE PRODUCTS

Manufacturing precast elements for large-panel apartment houses at the Kemerovo Housing Construction Combine. V.A.Teslia. Mekh.stroi. 21 no.5:24 My '64.

KEMEROVO PROVINCE—FIRE DEPARTMENTS

In the settlements. I.Nikolaev. Pozh.delo no.3:17 Mr '64.

KEMEROVO PROVINCE—SWINE BREEDING

Studying the qualitative composition of milk in Kemerovo sows. Z.A.Savkina. Trudy Kras.NIISKH 1:101-107 '62.

KENYA—DESCRIPTION AND TRAVEL

We fly over **Kenya**; from the notebook of the zoologist Bernhard Grzimek. Priroda 53 no.5:98-101 '64.

KERAMZIT

Dovzhik, V.G., and L.A.Kaiser. [Keramzit concrete for building and insulating in large-panel apartment house construction; technology and manufacturing practices] Konstruktivno-teploizoliatsionnyi i keramzitobeton v krupnopanel'nom domostroenii; tekhnologiia i opyt proizvodstva. Moskva, Stroiizdat, 1964. 179 p.

Keramzit plant with a double-drum furnace. N.V. Makarov. Stroi.mat. 10 no.4:19-22 Ap '64.

Manufacturing reinforced concrete and keramzit concrete products for large-panel buildings. F.F.Porozhenko, V.M.Buzinov. Biul.stroi.tekh. 21 no.2:38-40 F '64.

Relation of kiln productivity to lining surface. M.I. Rogovoi. Stroi.mat. 10 no.4:30-31 Ap '64.

Some problems in evaluating clays for the production of keramzit. V.F.Pavlov. Trudy NIIStroikeramiki no.19: 43-53 '62.

Ushamirskii, M.K. [Building apartment houses of large keramzit concrete elements; practices of the **Building and Assembling Trust No. 25**] Stroitel'stvo domov iz krupnorazmernykh keramzitobetonnykh elementov; iz opyta raboty **Stroitel'no**-montazhnogo tresta no. 25. (Bibliotechka stroitelia)

Weight of processed materials, their expansion capacity and the capacity of kilns. N.I.Sokolov. Stroi.mat. 10 no.4:28-29 Ap '64.

KERATOPHYRES see subdivision under Mugodzhar Hills

KERCH PENINSULA—EPITAPHS

Undescribed epitaphs in the collections of the Kerch and Chersonesus Museums. A.I.Boltynova. Num.i epig. 4:95-102 '63.

KERKI DISTRICT—COTTON GROWING

The first collective of communist labor; a sketch. M.Bodryi. Nar.khoz.Sred.Az. 1 no.2:21-23 F '64.

KEROSENE

(see also subdivision under Bashkiria)

Adding kerosene to diesel fuels. V.Zakharkinskii. Tekh. v sel'khoz. 23 no.12:56 D '63.

KETENE

Titrometric methods for determining diketene and crotonaldehyde present together [with summary in English]. N.G.Polianskii. Zhur.anal.khim. 19 no.1:121-124 '64.

KETONES

Case of unusual addition of diazoacetic ester to ketones. N.P.Gambarian, L.A.Simonian, I.L.Knuniants. Dokl. AN SSSR 155 no.4:833-835 Ap '64.

Interaction of cellulose with diketene. G.N.Kirillova, G.O.Radchenko. Zhur.prikl.khim. 37 no.4:916-920 Ap '64.

Oxidizing ammonolysis of methyl vinyl ketone. D.Kh. Sembaev, B.V.Suvorov, S.R.Rafikov. Dokl.AN SSSR 155 no.4:868-871 Ap '64.

Polarographic and spectrophotometric determination of α,β-unsaturated ketones in cyclohexanone. V.I.Gantna and others. Zav.lab. 30 no.5:541-542 '64.

Reduction of high-molecular weight aliphatic ketones to hydrocarbons in the presence of aluminosilicate catalysts. L.I.Khotyntseva, A.I.Bogomolov, E.M.Faizullina. Dokl.AN SSSR 155 no.5:1152-1154 Ap '64.

Synthesis of γ-diketones by conjugated hydrogenolysis. N.I.Shuikin and others. Izv.AN SSSR.Ser.khim. no.4: 750-751 Ap '64.

KETYLS

Spin density distribution in metal ketyls containing methyl groups. I.D.Morozova, M.E.Diatkina. Dokl.AN SSSR 154 no.3:687-690 Ja '64.

KHABAROVSK—BUILDINGS, PREFABRICATED

Chuvashov, P.D. [Large-panel construction in Khabarovsk] Krupnopanel'noe stroitel'stvo v Khabarovske. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 26 p. (Peredovoi opyt - v massy!)

KHABAROVSK—INTELLECTUAL LIFE

Khabarovskiy Kray. Upravlenie kul'tury. [Cultural institutions of the city of Khabarovsk] Uchrezhdeniia kul'tury goroda Khabarovska. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 30 p.

[MICROFILM]

KHABAROVSK—MUNICIPAL SERVICES

Korshunov, I.V. [For the good of the people] Dlia blaga naroda. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 38 p.

KHABAROVSK—POLITICS AND GOVERNMENT

Korshunov, I.V. [For the good of the people] Dlia blaga naroda. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 38 p.

KHABAROVSK TERRITORY—AGRICULTURE

Kommunisticheskaia partiia Sovetskogo Soiuza. Khabarovskii kraevoi komitet. Otdel propagandy i agitatsii. [Agriculture of Khabarovsk Territory in the seven-year plan] Sel'skoe khoziaistvo Khabarovskogo kraia v semiletke. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1960. 30 p. (Bibliotechka agitatora)

[MICROFILM]

KHABAROVSK TERRITORY—ROCKS, IGNEOUS

Criteria of the consanguinity of intrusive, subvolcanic and effusive rocks as revealed by a study in the Myao-Chanskiy region. M.G.Rub, B.V.Makeev, G.L. Vasil'eva. Izv.AN SSSR.Ser.geol. 29 no.1:31-41 Ja '64.

KHACHMAS REGION (AZERBAIJAN)—CHALCID FLIES

Apple seed chalcid Torymus druparum (Boh.) (Hymenoptera, Chalcidoidea) in the Kuba-Khachmas zone of the Azerbaijan S.S.R. L.M.Rzaeva, R.Rzaev[illegible]. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.[illegible] '63.

KHACHMAS REGION (AZERBAIJAN)—FORESTS AND FORESTRY

Forests of the Khachmas Lowland and the ways for their rational utilization. I.I.Prilipko, M.G.Zangiev. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:3-8 '63.

KHAGANI SHIRVANI, ca. 1120-1199

Iranian publications of Khagani's works. O.L. Vil'chevskii. Nar.Az.i Afr. no.3:162-169 '64.

KHAKASS AUTONOMOUS PROVINCE—HISTORY

"Outline history of Khakassia under Soviet rule, 1917-1961." Reviewed by M.A.Baranov, A.I.Novgorodov. Vop.ist. 39 no.3:128-130 Mr '64.

KHAKASS AUTONOMOUS PROVINCE—SWINE—FEEDING AND FEEDS

Using succulent feeds in fattening swine for meat. V.A. Shitov. Trudy Kras.NIISKH 1:251-264 '62.

KHAKASSIANS

Krasnoyarsk (Kray) Upravlenie kul'tury. [Dances of the peoples of Krasnoyarsk Territory] Tantsy narodov Krasnoiarskogo kraia. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1959. 84 p.
(MH)

KHANTAYKA VALLEY—TUNGUSES

Evenki in the Khantayka Valley. V.A.Tugolukov. Trudy Inst.etn. 84:5-32 '63.

KHAPCHERANGA REGION (CHITA PROVINCE)—GRANITE

Geochemical characteristics of granitoids in the Khapcheranga region. V.A.Dlinov, E.M.Kviatkovskii. Zap.LGI 45 no.2:31-53 '63.

KHARKOV—CITY PLANNING

New microdistrict in Kharkov. L.Tiul'pa. Stroi.i arkhit. 11 no.10:22-23 O '63.

KHARKOV—DELIVERY OF GOODS

Organization of [illegible]. N.Kleptikov. [illegible]

KHARKOV—INFLUENZA—PREVENTIVE [illegible]

Materials on [illegible] influenza [illegible] pt.2 [illegible]

KHARKOV—KNIT GOODS INDUSTRY

[illegible]

KHARKOV—SCREW-CUTTING MACHINES

Automatic line for [illegible] engine valves. [illegible] no.2:10-13 [illegible]

KHARKOV—WAREHOUSE RECEIPTS

Organization [illegible] N.Kleptikov. [illegible]

KHARKOV, BATTLE OF, 1943

It was [illegible] Ap '64.

KHARKOV GOVERNMENT—HISTORY

Kul'chenko, M.I. [V.I.Lenin and the Kharkov [illegible] Organization, 1893-1917] V.I.Lenin i Khar'kovskaia [illegible] bol'shevistskaia organizatsiia, 1893-1917 gg. [illegible] Khar'kovskoe knizhnoe izd-vo, 1963. [illegible] p.
(MH)

KHAYAN-KORT OIL FIELD—PETROLEUM [illegible]

[illegible]

KHAYAN-KORT REGION—PETROLEUM [illegible]

[illegible]

KHAZARS

[illegible]

KHERSON GOVERNMENT—HISTORY

Kommunisticheskaia partiia Ukrainy. Khersonskii oblastnoi komitet. Partiinyi arkhiv. [Revolutionary struggle in the Kherson region in 1905-1907; documents and materials] Revoliutsionnaia bor'ba na Khersonshchine v 1905-1907 gg.; sbornik dokumentov i materialov. Red. kollegiia [illegible] Khersonskoe knizhnoe [illegible] 1963 479 p.
(CM-H)

KHERSON GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC LABOR PARTY

Kommunisticheskaia partiia Ukrainy. Khersonskii oblastnoi komitet. Partiinyi arkhiv. [Revolutionary struggle in the Kherson region in 1905-1907; documents and materials] Revoliutsionnaia bor'ba na Khersonshchine v 1905-1907 gg.; sbornik dokumentov i materialov. Red. kollegiia [illegible] Khersonskoe knizhnoe [illegible] 1963 479 p.
(CM-H)

KHERSON PROVINCE—AGRICULTURE

In the effort for improving the agriculture of Kherson Province. [illegible] 92-95 Mr-Ap '64.

KHERSON PROVINCE—CENTAUREA—EXTERMINATION

Mechanized [illegible] 43 '64.

KHERSON PROVINCE—DAIRY BARNS—DESIGN AND CONSTRUCTION

Commercial dairy farm with a new method of keeping cattle. [illegible] '63.

KHERSON PROVINCE—PRECAST CONCRETE CONSTRUCTION

Precast concrete watering troughs with [illegible] water supply. [illegible] 6-8 Ja '63.

KHIBINY MOUNTAINS—FROZEN GROUND

Forms of microrelief connected with soils frozen over a period of many years [illegible] V.V.[illegible], V.A.[illegible] Dokl.AN SSSR 154 no.[illegible] Ja '64.

KHILOV, KONSTANTIN L'VOVICH, 1893-

Eminent scientist Professor Konstantin L'vovich Khilov on his 70th birthday. Zhur.ush.,nos.i gorl.bol. 23 no.6:91-92 N-D '63.

KHIVA—IRRIGATION

Irrigation in the Khiva Empire from the end of the 19th century to the beginning of the 20th century. A.Koshchanov. Obshchestv.nauki v Uz. 8 no.1:57-60 '64.

KHLOPIN, GRIGORII VITAL'EVICH, 1863-1929

G.V.Khlopin, scientist of a high social and humanitarian stature; on the 100th anniversary of his birth. O.V. Perov. Sov.zdrav. 22 no.8:84-87 '63.

KHMEL'NITSKII, BOGDAN, 1593-1657—MONUMENTS, ETC.

Monument to Bogdan Khmel'nitskyi in Kiev. S.Kilesso. Stroi.i arkhit. 11 no.10:37 O '63.

KHODZHABAKYRGAN VALLEY—IRRIGATION CANALS AND FLUMES

Effectiveness of the concrete lining of the canals of the Khodzhabakyrgan Irrigation System. V.E.Vedeniapin. Dokl.TSKHA no.87:73-81 '63.

KHODZHAEV, ALIM, 1910-

Fel'dman, IA.S. Alim Khodzhaev. Tashkent, Goslitizdat UzSSR, 1963. 172 p.
(MH)

KHODZHIABAD OIL FIELD

Naphthenic and paraffinic hydrocarbons of gasoline from crudes of the Khodzhiabad field (layer I). M.I.Osipova, G.Khodzhaev, E.G.Burova. Uzb.khim.zhur. 8 no.2:26-32 '64.

KHOKHOL DISTRICT—FERTILIZERS AND MANURES

Use fertilizers taking into consideration the characteristics of culture and soil. V.Skripnik. Ekon.sel'khoz. 35 no.3:60-63 Mr '64.

KHOLODNYI, NIKOLAI GRIGOR'EVICH, 1882-1953

M.H.Kholodnyi -- scientist and thinker; based on unpublished material. I.P.Bilokin'. Mikrobiol.zhur. 25 no.1:65-70 '63.

KHOREZM PROVINCE—COTTON GROWING

Thermal resources ensuring the cultivation of cotton on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. D.Matmuratov. Nauch.trudy TashGU no.213.Geog.nauki no.24:32-37 '63.

KHOROG—DESCRIPTION

The transformed Pamirs; from a journalist's notebook. IU.Khokhriakov. Nar.khoz.Sred.Az. 1 no.2:78-80 F '64.

KHORUZHALA, VERA ZAKHAROVNA, 1903-1942

Letters from prison. L.Kudrevatykh. V mire knig 3 no.7:5 Jl '63.

To live, just to live! B.Fedorov, O.Mukhin. Part. zhizn' Kazakh. 34 no.1:67-72 Ja '64.

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

Activities and people in the political section of the Ninth Army. A.S.Shutskover. Vop.ist.KPSS 8 no.4:90-98 Ap '64.

Congratulations to comrade Nikita Sergeevich Khrushchev. Mezhdunar.zhizn' 11 no.5:3-5 My '64.

Long life to you, dear Nikita Sergeevich! Nar.khoz. Sred.Az. 1 no.4:3 Ap '64.

N.S.Khrushchev on the communist education of younger generations. I.A.Kairov. Sov.pedag. 28 no.4:5-16 Ap '64.

Nikita Sergeevich Khrushchev's 70th birthday. Komm. Bel. 38 no.4:2-4 Ap '64.

To comrade Nikita Sergeevich Khrushchev. Part. zhizn' Kazakh. 34 no.4:3-4 Ap '64.

Unforgettable encounters. F.Bolarskii. Part.zhizn' Kazakh. 34 no.4:33-36 Ap '64.

KIDNEY FUNCTION TESTS

Changes in blood circulation and the filtration and reabsorption function of the kidneys in hypertension under the influence of a biotron. M.D.Kogut. Zdravookhranenie 7 no.1:29-33 Ja-F '64.

KIDNEYS

Methodology of cultivating in vitro guinea pig embryo kidneys. S.D.Irzhanov. Lab.delo no.5:267-269 '64.

KIDNEYS—DISEASES

Spontaneous rupture of a cystic kidney with degenerative changes. A.P.Lebedev. Kaz.med.zhur. no.6:55-57 N-D '62.

KIDNEYS—RUPTURE

Spontaneous rupture of a cystic kidney with degenerative changes. A.P.Lebedev. Kaz.med.zhur. no.6:55-57 N-D '62.

KIDNEYS—SURGERY

Kucera, Jan. [Surgery in hydronephrosis and ureterohydronephrosis. Translated from the Czech] Khirurgiia gidronefroza i ureterogidronefroza. Prague, Gos. izd-vo med. lit-ry, 1963. 221 p.
(DNLM)

Renal tuberculosis in children and adolescents [with summary in English]. B.A.Shmukler. Pediatriia 42 no.9:78-82 S '63.

KIDNEYS—TRANSPLANTATION

Morphological changes in auto- and homoplastic kidney grafts. A.P.Maisiuk, IU.IA.Gritsman. Eksper.khir. i anest. 7 no.4:36-41 Jl-Ag '62.

KIDNEYS—TUBERCULOSIS

Renal tuberculosis in children and adolescents [with summary in English]. B.A.Shmukler. Pediatriia 42 no.9:78-82 S '63.

KIEV—APARTMENT HOUSES

Designing structural features of multistory apartment houses. A.Pechenov. Stroi.i arkhit. 11 no.10:5-8 O '63.

KIEV—CLERKS (RETAIL TRADE)

Salesgirls from the "IUnost'." M.Rubin. Sov.torg. 37 no.3:35-38 Mr '64.

KIEV—CONSERVATORIES OF MUSIC

Fiftieth anniversary of the Kiev Conservatory. A.Shtoharenko. Mystetstvo 10 no.6:24-25 N-D '63.

KIEV—FINANCE

In step with life. G.Baratov, P.Vedeneev, V.Kulikov. Fin.SSSR 38 no.4:54-65 Ap '64.

KIEV—FISH, SMOKED

Electrotechnical principles of the work of electric smoking unit in the Kiev Fish Combine. A.M.Kosteniuk, V.D.Popov, A.A.Kalitin. Ryb.khoz. 40 no.3:54-60 '64.

KIEV—FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Electrotechnical principles of the work of electric smoking unit in the Kiev Fish Combine. A.M.Kosteniuk, V.D.Popov, A.A.Kalitin. Ryb.khoz. 40 no.3:54-60 '64.

KIEV—FOLK ART—EXHIBITIONS

From the exhibition of folk art. M.Burakivs'ka. Rad. shk. 42 no.2:100 F '64.

KIEV—HISTORY

"When and how Kiev was founded" by M.IU.Braichevs'kyi. Reviewed by I.H.Shovkoplias, R.O.IUra. Dop.AN URSR no.3:418-420 '64.

KIEV—INDUSTRIAL BUILDINGS

Three-dimensional elements in industrial construction. N.Plekhov, K.Kucherenko, V.Reznichenko. Stroi.i arkhit. 11 no.10:35 O '63.

KIEV—INSCRIPTIONS, CHURCH SLAVIC

The Russian princess Olisava-Gertruda and her son IAropolk. V.L.IAnin. Num.i epig. 4:142-164 '63.

KIEV—OPERA

First staging of "Taras Bul'ba." I.Durniev. Mystetstvo 10 no.5:31-32 S-O '63.

KIEV—WORLD WAR, 1939-1945

Dubina, K.K. [In the years of severe trials] V gody tiazhelykh ispytanii. Kiev, Kievskoe obl. knizhnogazetnoe izd-vo, 1962. 263 p.
(MiU)

KIEV, BATTLE OF, 1943

Glory of the heroes of the Battle of Kiev. V.Morozov. Komm.Vooruzh.Sil 4 no.20:36-41 O '63.

KIEV ECONOMIC REGION—GLASS MANUFACTURE

Use of compositions from rare earths and rare-earth metals in the manufacture of glass and ceramic articles. I.I.Moroz, M.H.Sivchykova, T.F.Filipenko. Leh. prom. no.4:62-68 O-D '63.

KIEV ECONOMIC REGION—POTTERY

Firing of decorated glazed earthenware in conveyor kilns without muffles. Z.P.Sen', V.I.Luhans'kyi, M.Kh. Luchka. Leh.prom. no.4:68-73 O-D '63.

Use of compositions from rare earths and rare-earth metals in the manufacture of glass and ceramic articles. I.I.Moroz, M.H.Sivchykova, T.F.Filipenko. Leh. prom. no.4:62-68 O-D '63.

KIEV PROVINCE—AGRICULTURE—ACCIDENTS

Analysis of industrial injuries among agricultural machine operators in Kiev Province. V.A.IAralov-IAraliants. Ortop., travm.i protez. 24 no.10:55-60 O '63.

KIEV PROVINCE—CHEMICAL INDUSTRIES

Chemistry and the "Kiev percentage." N.Shavlovskii. Sov.profsoiuzy 20 no.7:13-15 Ap '64.

KIEV PROVINCE—CHEMISTRY—STUDY AND TEACHING

Let's reveal the miraculous power of chemistry in class. T.M.Shashlo. Rad.shk. no.2:9-13 F '64.

KIEV PROVINCE—FARM MECHANIZATION

There will be beacon lights in Kiev Province! M.M. Kobyl'chak. Mekh.sil'.hosp. 15 no.5:3-4 My '64.

KIEV PROVINCE—SOCIALIST COMPETITION

Chemistry and the "Kiev percentage." N.Shavlovskii. Sov.profsoiuzy 20 no.7:13-15 Ap '64.

KIEV REGION—HEALTH RESORTS, WATERING PLACES, ETC.

Kryvobokov, S.A. [Sanatoriums in the environs of Kiev] Zdravnytsi okolits' Kyiva. Kyiv, Med. vyd-vo URSR, 1959. 128 p.
(WaU)

KILNS

Firing of decorated glazed earthenware in conveyor kilns without muffles. Z.P.Sen', V.I.Kuhans'kyi, M.Kh. Luchka. Leh.prom. no.4:68-73 O-D '63.

Introduce the system of the automatic control of clinker firing. I.M.Sidochenko and others. TSement 30 no.2:15-17 Mr-Ap '64.

Testing Dinas compartment kilns under conditions of intensive production. N.D.Shevkunov. Trudy VNIIT no.11:88-96 '62.

Using xylene fractions of a pyrolytic product of the casinghead gasoline of compartment kilns. M.V.Kobyl'skaia, N.I.Pyshkina, S.S.Semenov. Trudy VNIIT no.11:127-133 '62.

KILNS—DESIGN AND CONSTRUCTION

Method of determining the optimal drying conditions of ceramic blocks and the design of the drying kiln. M.S. Belopol'skii. Trudy NIIStroikeramiki no.19:75-91 '62.

KILNS, ROTARY

Cooling clinkers in recuperators of rotary kilns. S.B. Perli, I.E.Edel'man. TSement 30 no.2:11-12 Mr-Ap '64.

Keramzit plant with a double-drum furnace. N.V. Makarov. Stroi.mat. 10 no.4:19-22 Ap '64.

Method of superposition in the theory of cylindrical shells as applicable to the calculation of the housing and lining of rotary kilns. D.A.Roiark. Trudy Giprotsement no.26:95-129 '63.

Relation of kiln productivity to lining surface. M.I. Rogovoi. Stroi.mat. 10 no.4:30-31 Ap '64.

Testing refractory concrete on molten glass in large-diameter kiln. N.V.Il'ina. TSement 30 no.2:12-13 Mr-Ap '64.

Weight of processed materials, their expansion capacity and the capacity of kilns. N.I.Sokolov. Stroi.mat. 10 no.4:28-29 Ap '64.

KINDERGARTEN—METHODS AND MANUALS see subdivision under Ukraine

KINDERGARTENS see subdivision under Ukraine

KINEMATICS

Calculations for hinge-rod structures based on kinematic principles. K.A.Ksenofontov. Dokl.TSKHA no.87:415-423 '63.

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KIPCHAK LANGUAGE—DICTIONARIES—ARABIC

Newly found Arabic-Kipchak dictionary from the Mameluk state. Ananiasz Zajaczkowski. Nar. Az.i Afr. no.3:111-116 '64.

KIRGHIZ RANGE REGION—FLOODS

Aerosynoptic conditions governing the floods of the rivers of the northern slope of the Kirghiz Range, July 15-16, 1958. A.S.Grigor'eva. Trudy Sred.-Az.nauch.-issl. gidrometeor.inst. no.8:34-43 '63.

KIRGHIZ RANGE REGION—PYRITES

Baibulatov, E.B. [Achik-Tash iron-pyrite deposit and its genesis] Achik-Tashskoe sernokolchedannoe mestorozhdenie i ego genezis. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 190 p.

KIRGHIZISTAN—AGRICULTURE—TECHNOLOGICAL INNOVATIONS

The trend is toward the new and progressive. A.Sulunbaev. Nar.khoz.Sred.Az. 1 no.3:57-60 Mr '64.

KIRGHIZISTAN—COAL GEOLOGY

Kashirin, F.T. [Geology of coal-bearing deposits in Kirghizia] Geologiia ugol'nykh mestorozhdenii Severnoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 108 p.

KIRGHIZISTAN—ECONOMIC POLICY

The republic's profile is changing. K.Otorbaev. Nar. khoz.Sred.Az. 1 no.4:37-41 Ap '64.

KIRGHIZISTAN—INDUSTRIES

The republic's profile is changing. K.Otorbaev. Nar. khoz.Sred.Az. 1 no.4:37-41 Ap '64.

KIRGHIZISTAN—JUDGES

Kirghiz, S.S.R. Laws, statutes, etc. [Statute of elections of the district (city) people's courts in the Kirghiz S.S.R. Approved by decree of the Presidium of the Supreme Soviet of the Kirghiz S.S.R. on Oct. 12, 1960] Polozhenie o vyborakh raionnykh (gorodskikh) narodnykh sudov Kirgizskoi SSR. Utverzhdeno ukazom Prezidiuma Verkhovnogo Soveta Kirgizskoi SSR ot 12 okt. 1960.g. Frunze, Kirgizskoe gos. izd-vo, 1960. 23 p. (CSt-H)

KIRGHIZISTAN—MAMMALS, FOSSIL

New finds of mammal fossils in northern Kirghizia. E.I.Beliaeva, K.V.Kudiukov. Biul.Kom.chetv.per. no.28:76-83 '63.

KIRGHIZISTAN—MUSHROOMS, EDIBLE

El'chibaev, A.A. [Edible mushrooms of Kirghizistan] S"edobnye griby Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 44 p.

KIRGHIZISTAN—PRECIPITATION (METEOROLOGY)

Climatic characteristics of summer precipitation in the northern regions of Kirghizia. A.D.Sutiagin. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:17-33 '63.

KIRGHIZISTAN—SEISMOMETRY

Seismic microzoning of towns in northern Kirghizistan. Z.F.Repina. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:53-60 '63.

KIRGHIZISTAN—SPRUCE

Cheshev, L.S. [Growth of Shrenk spruce stands] Khod rosta nasazhdenii eli Shrenka. Frunze, Izd-vo Akad.nauk Kirgizskoi SSR, 1963. 36 p. (DNAL)

KIRGHIZISTAN—SUGAR INDUSTRY

Kirghizistan can give more sugar. R.Usmanov. Nar.khoz.Sred.Az. 1 no.3:49-51 Mr '64.

KIROV—FLOUR

Vitaminization of flour at the Kirov Flour Mill No. 1. A.Kartoshkin. Muk.-elev.prom. 29 no.10:15 O '63.

KIROV PROVINCE—CREDIT

Efficiency of credit for new machinery. K.Araslanov. Den.i kred. 22 no.3:20-26 Mr '64.

KIROV PROVINCE—TECHNOLOGICAL INNOVATIONS

Efficiency of credit for new machinery. K.Araslanov. Den.i kred. 22 no.3:20-26 Mr '64.

KIROVOGRAD—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Extend the use of production resources. M.A.Chmel'ov. Mekh.sil'.hosp. 13 no.10:4-5 O '62.

KIROVOGRAD PROVINCE—DAIRY BARNS

Loose maintenance of cattle on the collective farms in Kirovograd Province. S.H.Luchkevych. Mekh.sil'.hosp. 13 no.10:24-25 O '62.

KISHINEV—AUDITING AND INSPECTION

For the right to have the title of a communist labor collective. V.Bliashov. Fin.SSSR 38 no.4:39-43 Ap '64.

KISHINEV—FINANCE

For further improving of planning costs and accumulations. V.Bliashov, I.Gershberg. Fin.SSSR 38 no.3:44-48 Mr '64.

KISHINEV—HOSPITALS—OUTPATIENT SERVICES

Dispensary service for patients with hypertension and peptic ulcers. A.M.Gol'dberg, E.M.Svider, S.IA. Levandovskaia. Zdravookhranenie 7 no.1:58-60 Ja-F '64.

KISHINEV—HYPOTENSION

Frequency of hypotonic states according to materials of examinations of some groups of healthy and sick people in Kishinev. A.G.Diorditsa. Zdravookhranenie 7 no.1:15-19 Ja-F '64.

KISHINEV—LIBRARIES

Kirtoka, A.S. [The N.K.Krupskaia State Republic Library of the Moldavian S.S.R.] Gosudarstvennaia respublikanskaia biblioteka MSSR im. N.K.Krupskoi. Kishinev, Kartia moldoveniaske, 1961. 80 p. (ICU)

ISHINEV—PUBLIC PROSECUTORS

Organization of work is the most important factor. M.Kizikov. Sots.zakon. 40 no.12:36-38 D '63.

ISHINEV—REVENUE

For the right to have the title of a communist labor collective. V.Bliashov. Fin.SSSR 38 no.4:39-43 Ap '64.

ISLOVODSK—HEALTH RESORTS, WATERING PLACES, ETC.

Treatment of atherosclerosis of the coronary arteries with stenocardial pain during exercise in the polyclinics of the Kislovodsk Health Resort. V.V.Tambieva. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:204-210 My-Je '63.

KISLOVODSK—VEGETABLE TRADE—ACCOUNTING

Follow-up of unpublished letters. Sov.torg. 37 no.3:42 Mr '64.

KIVIÕLI—TAR

Investigating the operation of a unit for removing phenols from tar waters of the Kiviõli Combine. E.Naärep, V.V.Sheloumov, T.Purre. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:217-227 '62.

KIZEL BASIN—COAL—CLASSIFICATION

Classification of Kizel Basin coals according to the degree of their tendency toward spontaneous combustion. V.M.Maevskaia. Nauch.soob.VostNII no.3:83-86 '63.

KLAIPEDA—RETAIL TRADE—COSTS

Potentials for reducing overhead expenses. I.Salimov. Sov.torg. 37 no.4:35-36 Ap '64.

KLICHKA REGION (TRANSBAIKALIA)—LEAD ORES

Arkhangel'skaia, V.V. [Geology of lead-zinc deposits in the Klichka ore region (eastern Transbaikalia) Geologiia svintsovo-tsinkovykh mestorozhdenii Klichkinskogo rudnogo raiona (Vostochnoe Zabaikal'e). Moskva, 1963. 211 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.93)

KLICHKA REGION (TRANSBAIKALIA)—METALS, RARE AND MINOR

Characteristics of the ore formation process and rare elements in the ores of the lead-zinc deposit in the Klichka ore region. G.M.Meituv. Trudy IMGRE no.10:209-229 '63.

KLICHKA REGION (TRANSBAIKALIA)—ORE DEPOSITS

Characteristics of the ore formation process and rare elements in the ores of the lead-zinc deposit in the Klichka ore region. G.M.Meituv. Trudy IMGRE no.10:209-229 '63.

KLICHKA REGION (TRANSBAIKALIA)—ZINC ORES

Arkhangel'skaia, V.V. [Geology of lead-zinc deposits in the Klichka ore region (eastern Transbaikalia) Geologiia svintsovo-tsinkovykh mestorozhdenii Klichkinskogo rudnogo raiona (Vostochnoe Zabaikal'e). Moskva, 1963. 211 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no.93)

KLIUCHEVSKII, VASILII OSIPOVICH, 1842-1911

V.O.Kliuchevskii's course of historiography. R.A. Kireeva. Ist.SSSR 8 no.2:91-100 Mr-Ap '64.

KNEE—ANKYLOSIS

Compression fixation of the resected knee joint under clinical and experimental conditions. V.G.Beletskii. Zdrav.Bel. 9 no.6:16-18 Je '63.

KNEE—BLOOD SUPPLY

Blood vessels of the menisci of the knee joint in man [with summary in English]. IU.A.Orlovskii. Arkh.anat.,gist.i embr. 43 no.12:77-83 D '62.

KNEE—DISEASES

Surgical treatment of children with severe forms of recurvation and loosening of the knee joint following poliomyelitis. Z.A.Liandres. Ortop.,travm.i protez. 24 no.10:65-66 O '63.

KNEE—SURGERY

Compression fixation of the resected knee joint under clinical and experimental conditions. V.G.Beletskii. Zdrav.Bel. 9 no.6:16-18 Je '63.

Lesions of the menisci of the knee joint. A.L.Ekimova. Zdrav.Bel. 9 no.6:69-71 Je '63.

Surgical treatment of children with severe forms of recurvation and loosening of the knee joint following poliomyelitis. Z.A.Liandress. Ortop.,travm.i protez. 24 no.10:65-66 O '63.

KNEE—WOUNDS AND INJURIES

Lesions of the menisci of the knee joint. A.L.Ekimova. Zdrav.Bel. 9 no.6:69-71 Je '63.

KNIT GOODS—STANDARDS

[Knit goods] Trikotazhnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1963. 655 p. (SSSR. Gosudarstvennye standarty)

KNIT GOODS INDUSTRY see subdivision under Kharkov

KNITTING MACHINES

Redesigning of the automatic NOR-18 single-process knitting machine for fancy hosiery. V.M.Safranovych, IU.O.Davydenko. Leh.prom. no.4:78-79 O-D '63.

Strength of hosiery manufacture on cotton machines and uniformity of the loop structure. D.T.Braha. Leh. prom. no.4:50-53 O-D '63.

KNOWLEDGE, SOCIOLOGY OF

Criticism of the theoretical foundations of the bourgeois "sociology of knowledge." L.E.Khoruts. Vop.filos. 18 no.3:106-118 '64.

KNOWLEDGE, THEORY OF

Elementary forms of the knowledge of quality by quantitative methods. I.S.Timofeev. Vop.filos. 17 no.12:95-105 '63.

The logic of scientific knowledge and contemporary formal logic. P.V.Tavanets. Vop.filos. 18 no.3:69-77 '64.

Marxist-Leninist theory of knowledge and problems of the formation of a communist world view. G.M.Gak. Sov.pedag. 28 no.4:17-28 Ap '64.

Role of the analysis of changing object in the process of cognition. V.I.Stoliarov. Vop.filos. 17 no.12:35-44 '63.

KOBULETI (ADZHARISTAN)—HEALTH RESORTS, WATERING PLACES, ETC.

Climatotherapy in hypotension at the Kobuleti health resort. D.G.Dateshidze, L.P.Dzhikiia. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:53-62 '63.

Effectiveness of treating atherosclerosis and chronic coronary insufficiency at the Kobuleti health resort. N.F.TSkhomelidze, R.P.Giorgobiani. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:87-92 '63.

Reactions to the weather in cardiovascular disease patients under the climatic conditions of the Kobuleti health resort. R.K.Gogibedashvili. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:37-43 '63.

KOBYLIANS'KA, OL'HA, 1863-1942

"My thoughts are of you, of a free people." D.Vasyliuk. Mystetstvo 10 no.6:32 N-D '63.

KOBYSTAN—MITES

Gamasid mites of the rodents of Kobystan. A.T.Gadzhiev, K.P.Kadatskaia. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:47-53 '61.

KOBYSTAN—PARASITES—RODENTS

Gamasid mites of the rodents of Kobystan. A.T.Gadzhiev, K.P.Kadatskaia. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:47-53 '61.

KODAR RANGE—MOUNTAINEERING

Zaplatin, M.A. [Toward the Kodar glaciers; travel notes of a motion picture operator. K lednikam Kodara], putevye zapiski kinooperatora. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 41 p. (Eto—nasha Sibir')

KOKCHETAV PROVINCE—AGRICULTURE

The high road of agriculture. V.Davidenko. Part.zhizn' Kazakh. 34 no.4:21-25 Ap '64.

KOKCHETAV PROVINCE—STATE FARMS—AUDITING AND INSPECTION

Public duty. N.Tumanov. Part.zhizn' Kazakh. 34 no.3:55-57 Mr '64.

KOKSHAROV, NIKOLAI IVANOVICH, 1892-1918

Shafranovskii, I.I. Nikolai Ivanovich Koksharov. Moskva, Izd-vo "Nauka," 1964. 214 p. (Nauchno-biograficheskaia seriia)

KOLA GULF—VIBRIO

Vibrios in the water of the Kola Gulf. F.I.Spevak. Sbor.nauch.rab.Arkh.IEMG no.4:93-102 '60.

KOLA PENINSULA—BRECCIA

Reomorphic breccia in the contact of the Pechenga series with Archean granites. V.V.Zhdanova. Trudy VSEGEI 98:166-173 '63.

KOLA PENINSULA—GEOLOGY

Akademiia nauk SSSR. Kol'skii filial, Kirovsk. [Quaternary sediments and ground waters of the Kola Peninsula] Chetvertichenye otlozheniia i gruntovye vody Kol'skogo poluostrova. Moskva, Izd-vo "Nauka," 1964. 146 p.

KOLA PENINSULA—GEOLOGY, STRUCTURAL

Some new data on the structure of the Pechenga synclinorium. I.A.IAkovlev, L.I.Uvad'ev, B.M.Grinchenko. Geol.rud.mestorozh. 5 no.6:96-100 N-D '63.

KOLA PENINSULA—ORE DEPOSITS

Some new data on the structure of the Pechenga synclinorium. I.A.IAkovlev, L.I.Uvad'ev, B.M.Grinchenko. Geol.rud.mestorozh. 5 no.6:96-100 N-D '63.

KOLA PENINSULA—SEDIMENTS (GEOLOGY)

Even and cyclic nature of Late Pre-Cambrian sedimentation in the Kola Peninsula [with summary in English]. E.I.Sergeeva. Vest.LGU 19 no.6:151-154 '64.

KOLA PENINSULA—SOILS—TRACE ELEMENT CONTENT

Copper and nickel in mountain tundra soils of the Kola Peninsula. L.V.Aleshchukin. Nauch.dokl.vys.shkoly; biol.nauki no.2:187-190 '64.

KOLA PENINSULA—WATER, UNDERGROUND

Akademiia nauk SSSR. Kol'skii filial, Kirovsk. [Quaternary sediments and ground waters of the Kola Peninsula] Chertvertichnye otlozheniia i gruntovye vody Kol'skogo poluostrova. Moskva, Izd-vo "Nauka," 1964. 146 p.

OLENDO OIL FIELD—GAS, NATURAL—GEOLOGY

Kolendo oil field on Sakhalin. L.I. Petritskaia, V.IA. Ratner. Neftegaz.geol.i geofiz. no.3;38-41 '64.

OLENDO OIL FIELD—PETROLEUM GEOLOGY

Kolendo oil field on Sakhalin. L.I. Petritskaia, V.IA. Ratner. Neftegaz.geol.i geofiz. no.3;38-41 '64.

OLESNIKOVA, NADEZHDA NIKOLAEVNA, 1882-1964

In memory of N.N. Kolesnikova. Vop.ist.KPSS 8 no.5: 157-158 My '64.

OLOMIICHENKO, MIKHAIL ISIDOROVICH, 1892-

Mikhail Isidorovich Kolomiichenko; on his 70th birthday. Khirurgiia no.1:142-143 '63.

OLOMYYA REGION (IVANO-FRANKOVSK PROVINCE)—GEOLOGY, STRUCTURAL

Block tectonics of the border of the external zone of the Carpathian piedmont fault between Ivano-Frankovsk and Kolomyya. V.S.Burov, A.O.Matvieieva, R.I. Kokhalevych. Dop.AN URSR no.3;365-369 '64.

OLPIN TAG REGION—EARTHQUAKES

Earthquakes that occurred on Chinese territory in April, 1961. E.A.Rozova. Izv.AN Kir.SSR.Ser.est.i tekh. nauk 5 no.6;5-12 '63.

OLYMSKIY DISTRICT—DESCRIPTION AND TRAVEL

Galchenko, I.I. [Geologists continue the journey] Geologi prodolzhaiut put'. Moskva, Sovetskaia Rossiia, 1963. 134 p.
(MH)

OLYVAN' RANGE—BIOTITE—OPTICAL PROPERTIES

Reduction in the refraction indices of biotites in the late phase granites of the Kolyvan' Massif (Altai). V.V. Potap'ev. Dokl.AN SSSR 155 no.3;583-585 Mr '64.

OLYVAN' RANGE—GRANITE—ANALYSIS

Reduction in the refraction indices of biotites in the late phase granites of the Kolyvan' Massif (Altai). V.V. Potap'ev. Dokl.AN SSSR 155 no.3;583-585 Mr '64.

KOMAR, VIKTOR GRIGOR'EVICH, 1913-

Fiftieth birthday of V.G.Komar. Tekh.kino i telev. 7 no.12:87 D '63.

KOMI A.S.S.R.—FORAGE PLANTS

Introduction of silage plants and their propagation on state and collective farms of the Komi A.S.S.R. P.P. Vavilov, K.A.Moiseev. Biul.Glav.bot.sada no.48:3-11 '63.

KOMI A.S.S.R.—HISTORY

Doronin, P.G. [Struggle for Soviet power in the Komi region, 1917-1918] Bor'ba za Sovetskuiu vlast' v Komi krae [1917-1918] Syktyvkar, Komi knizhnoe izd-vo] 1961. 105 p. [In Komi]
(MH)

KOMI A.S.S.R.—LUMBERING—INFORMATION SERVICES

Work experience in technological information and propaganda in enterprises of the lumber and woodworking industries of the Komi Economic Region. A.I.Shchanov. NTI no.12;23-24 '63.

KOMI A.S.S.R.—PLANT INTRODUCTION

Introduction of silage plants and their propagation on state and collective farms of the Komi A.S.S.R. P.P. Vavilov, K.A.Moiseev. Biul.Glav.bot.sada no.48:3-11 '63.

KOMI A.S.S.R.—WOODWORKING INDUSTRIES

On a shock construction project. Bum.prom. no.4:25 Ap '64.

KOMSOMOLSK-ON-AMUR—THEATER

"The border" on the border. V.Bogdanov. Sov.voin 44 no.22:43 N '62.

KON, FELIKS IAKOVLEVICH, 1864-1941

Feliks IAkovlevich Kon; on the occasion of the 100th anniversary of his birth. V.S.Novolina. Vop.ist. KPSS 8 no.5:77-81 My '64.

KONCHALOVSKII, PETR PETROVICH, 1876-1956

P.P.Konchalovskii, master of the art of painting. M.Neiman. Iskusstvo 26 no.12;36-44 '63.

KONSTANTINOVKA (DONETSK PROVINCE)—TRADE UNIONS—OFFICERS

First entry. A.Emel'ianov. Sov.profsoiuzy 20 no.7: 28-30 Ap '64.

KOPETDAG—PLANTS, ORNAMENTAL

Rhythm of the development of flowering and decorative plants in the piedmont of Kopetdag (Turkmen S.S.R.). A.I.Nemudrov. Izv.AN Turk.SSR.Ser.biol.nauk no.6: 19-26 '63.

KOPYL' DISTRICT—AGRICULTURE

The important road of intensification. N.TSvirko. Komm.Bel. 38 no.4:30-42 Ap '64.

KOPYLOV, FEDOR ALEKSANDROVICH, 1892-1963

Fedor Aleksandrovich Kopylov; an obituary. M.V.Strukov and others. Ortop.,travm.i protez. 24 no.10:93-94 O '63.

KOREA—FOREIGN RELATIONS—UNITED STATES

Korean history as presented by the U.S.State Department. V.M.Mazurov, S.M.Golosov. Nar.Az.i Afr. no.3: 138-149 '64.

KOREA—HISTORY

Korean history as presented by the U.S.State Department. V.M.Mazurov, S.M.Golosov. Nar.Az.i Afr. no.3: 138-149 '64.

KOREA, SOUTH—WAR—ECONOMIC ASPECTS

The South Korean bankrupts. M.Chukanov. Mir.ekon.i mezhdunar.otn. no.4:111-112 '64.

KORES, VLADIMIR MOISEEVICH

Velikie Luki. Otdel kul'tury. [Catalog of a personal exhibition of the artist Vladimir Moiseevich Kores, December 1961] Katalog personal'noi vystavki khudozhnika Vladimira Moiseevicha Koresa, dekabr', 1961 [Velikie Luki] 1961. [12] p. plates.
(MH)

KOROSTEN' DISTRICT—SEISMIC PROSPECTING

Internal structure of the crystalline basement in the southwestern part of the Korosten' pluton according to seismic data. V.B.Sollogub and others. Geofiz.sbor. no.5:122-130 '63.

KORYAK RANGE REGION—GEOLOGY, STRATIGRAPHIC

Problems of the stratigraphy of the Lower Cretaceous sediments in the Koryak-Kamchatka region. G.P.Avdeiko, M.A.Pergament. Izv.AN SSSR.Ser.geol. 29 no.5: 76-88 My '64.

KOS-ISTEK REGION (AKTYUBINSK PROVINCE)—GEOLOGY, STRATIGRAPHIC

Find of Middle Ordovician sediments in the Kos-Istek region of Aktyubinsk Province (northern Mugodzhar Hills). B.M.Rudenko. Izv.AN Kazakh.SSR.Ser.geol. 21 no.2;57-60 Mr-Ap '64.

KOTLIAR, IVAN FEDOROVICH

On Polish soil.... N.Matviichuk. Sov.voin 44 no.22: 33 N '62.

KOZHOV, MIKHAIL MIKHAILOVICH, 1890-

M.M.Kozhov, student of nature of the Baikal Lake Region B.G.Ioganzon. Okhr.prir.Sib.i Dal'.Vost. no.1:212-216 '62.

KRAG, JENS OTTO, 1914-

Jens Otto Krag. B.Titov. Mir.ekon.i mezhdunar.otn. no.4:139-140 '64.

KRAKOVSKII, NIKOLAI IVANOVICH, 1903-

On the 60th birthday of Nikolai Ivanovich Krakovskii. Eksper.khir.i anest. 8 no.4:92-94 Jl-Ag '63.

KRASNODAR—AGRICULTURAL RESEARCH

A good work and the support of the comrades. S.Folumenov. NTO 6 no.4:28-29 Ap '64.

KRASNODAR—ARCHIVES

Krasnodarskiy Kray. Promyshlennyi ispolnitel'nyi komitet. Arkhivnyi otdel. [Guidebook to the state archives of Krasnodar Territory] Putevoditel' po gosudarstvennym arkhivam Krasnodarskogo kraia. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 494 p.
(MH)

KRASNODAR TERRITORY—APPLE-TREE BORERS—EXTERMINATION

Controlling apple-tree borer. E.F.Gromovaia, I.M. Smirnova. Zashch.rast.ot vred.i bol. 9 no.4;30-31 '64.

KRASNODAR TERRITORY—AUDITING AND INSPECTION

Useful inspections. V.Nefedov. Fin.SSSR 38 no.3: 56-57 Mr '64.

KRASNODAR TERRITORY—CONDENSATE OIL WELLS

Exploiting the Maikop gas condensate field. G.L. Diadimov, A.M.Kudaev. Gaz.delo no.3;3-7 '64.

KRASNODAR TERRITORY—CRACKING PROCESS

Catalytic reforming of narrow fractions of straight-run gasolines and gas condensates of Krasnodar Territory. E.IA.Susanov and others. Trudy KF VNII no.8;86-95 '62.

KRASNODAR TERRITORY—FERTILIZERS AND MANURES

Use the accumulated manure fully. V.Serbin. Ekon. sel'khoz. 36 no.4:91-92 Ap '64.

KRASNODAR TERRITORY—FIELD CROPS—FERTILIZERS AND MANURES

Effectiveness of basic fertilizers in Krasnodar Territory. A.I.Simakin, N.V.Goncharov. Khim.v sel'.khoz. 2 no.3;14-17 Mr '64.

KRASNODAR TERRITORY—FIRES AND FIRE PREVENTION

Decisions are made by the active members of the party. A.Kovalenko. Pozh.delo no.3:12 Mr '64.

KRASNODAR TERRITORY—INCOME TAX

Useful inspections. V.Nefedov. Fin.SSSR 38 no.3: 56-57 Mr '64.

KRASNODAR TERRITORY—INFLUENZA—PREVENTIVE INOCULATION

Results of anti-influenza vaccination in 1956 in Krasnodar Territory. L.I.Nekliudova. Vop.med.virus. no.5 pt.2;145-148 '58.

KRASNODAR TERRITORY—TULAREMIA

Epidemiology of tularemia in natural foci of Krasnodar Territory [with summary in English]. T.F.Ustin-Petrova. Zhur.mikrobiol.,epid.i immun. 40 no.4: 117-122 Ap '63.

KRASNODAR TERRITORY—VETERINARY HYGIENE

Work of the Krasnodar Territory Veterinary and Sanitation Station. A.IA.IAkimneko, N.I.Shestakov. Veterinariia 40 no.10:4-5 O '63.

KRASNOGRAD DISTRICT—FERTILIZERS AND MANURES

The harvest is only as good as the fertilizers used. I.Samiilenko. Ekon.Rad.Ukr. no.2;92-93 Mr-Ap '64.

KRASNOVODSK—PETROLEUM REFINERIES—HYGIENIC ASPECTS

Incidence of disease among the workers of the sulfanol workshop of the Krasnovodsk Petroleum Refinery. M.B.Bairamov. Zdrav.Turk. 8 no.1:33-35 Ja '64.

KRASNOYAR OIL FIELD—PETROLEUM PRODUCTION

Possibilities for the simultaneous development of the oil pools of the Tournasian stage and carbon-bearing horizon. N.L.Sheshukov. Neft.khoz. 41 no.12;27-31 D '63.

KRASNOYARSK—BANKS AND BANKING—ACCOUNTING

From the work practice of a machine accounting center. A.Zav'ialova. Den.i kred. 22 no.3:65-68 Mr '64.

KRASNOYARSK—MACHINE ACCOUNTING

From the work practice of a machine accounting center. A.Zav'ialova. Den.i kred. 22 no.3;65-68 Mr '64.

KRASNOYARSK—WHEAT BREEDING

Some results of durum wheat breeding at the Krasnoyarsk Scientific Research Institute of Agriculture. K.V. Dergachev. Trudy Kras.NIISKH 1:25-29 '62.

KRASNOYARSK HYDROELECTRIC POWER STATION

Hydraulic turbines for the Krasnoyarsk Hydroelectric Power Station. M.I.Gal'perin. Energomashinostroenie 9 no.3;43 Mr '63.

KRASNOYARSK REGION—POTTERY, PRIMITIVE

Pottery from the late Tagarskiy burial mounds in the Krasnoyarsk region. M.A.Devlet. Sov.arkheol. 8 no.2;205-210 '64.

KRASNOYARSK REGION—SOILS

Characteristics of the soils in the area of the Krasnoyarsk Scientific Research Institute of Agriculture. P.I.Krupkin. Trudy Kras.NIISKH 1:73-97 '62.

KRASNOYARSK TERRITORY—APPLE—FERTILIZERS AND MANURES

Fertilizing a fruit-bearing apple orchard with organic-mineral fertilizers. D.D.Solov'eva. Trudy Kras. NIISKH 1;141-142 '62.

KRASNOYARSK TERRITORY—BEANS

Growing fine-seed forage beans in the forest-steppe zone of Krasnoyarsk Territory. A.G.Timina. Trudy Kras. NIISKH 1:57-59 '62.

KRASNOYARSK TERRITORY—CLEARING OF LAND

Time and rates of the use of 2,4-D arboricide against shrub vegetation. E.V.Savina. Trudy Kras.NIISKH 1:153-155 '62.

KRASNOYARSK TERRITORY—CORN (MAIZE)—DISEASES AND PESTS

Brief survey of corn pests and diseases and measures for their control in Krasnoyarsk Territory. A.N.Dobretsov. Trudy Kras.NIISKH 1:51-55 '62.

KRASNOYARSK TERRITORY—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of corn. L.P.Antipina. Trudy Kras.NIISKH 1:39-44 '62.

Soils and fertilizers for corn in the piedmonts of the Sayans within Krasnoyarsk Territory. N.I.Mozhaev. Trudy Kras.NIISKH 1:47-50 '62.

KRASNOYARSK TERRITORY—DANCING

Krasnoyarsk (Kray) Upravlenie kul'tury. [Dances of the peoples of Krasnoyarsk Territory] Tantsy narodov Krasnoiarskogo kraia. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1959. 84 p.
(MH)

KRASNOYARSK TERRITORY—ECONOMIC POLICY

Kalmykov, D., and V. Logvinov. [The region of great possibilities; the Krasnoyarsk Territory in the 1959-1965 seven-year plan for the national economic development of the U. S. S. R.] Krai ogromnykh perspektiv; Krasnoiarskii krai v semiletnem plane razvitiia narodnogo khoziaistva SSSR na 1959-1965 gg. Krasnoiarsk, Krasnoiarskoe kraevoe otd-nie ob-va po rasprostraneniiu polit. i nauchn. znanii SSSR, 1959. 53 p.
[MICROFILM]

KRASNOYARSK TERRITORY—GRASSES

Improvement of natural hayfields and pastures in the forest-steppe zone of Krasnoyarsk Territory. P.D. [illegible] Trudy Kras.NIISKH 1:123-130 '62.

KRASNOYARSK TERRITORY—LABOR SUPPLY

Geographical aspects of research and planning in the labor resources of Krasnoyarsk Territory. D.M. Zakharina. Izv.AN SSSR.Ser.geog. no.2:93-96 Mr-Ap '64.

KRASNOYARSK TERRITORY—OATS—DISEASES AND PESTS

Cultivation practices in the control of the pupation disease of oats in the forest-steppe of Krasnoyarsk Territory. A.N.Dobretsov. Trudy Kras.NIISKH 1:147-151 '62.

KRASNOYARSK TERRITORY—ROTATION OF CROPS

Row crop cultivation as a way to an abundant farm production. A.T.Belozorov. Trudy Kras.NIISKH 1:5-24 '62.

KRASNOYARSK TERRITORY—SUGAR BEETS

Growth of sugar beets and their accumulation of sugar. V.N.Kharchikov. Trudy Kras.NIISKH 1:69-72 '62.

Sugar beet growing in Krasnoyarsk Territory. P.G. Grigor'eva. Trudy Kras.NIISKH 1:61-67 '62.

KRASNOYARSK TERRITORY—SWINE—FEEDING AND FEEDS

Fattening swine on rations rich in corn silage, alfalfa and nettle meals. V.A.Kazak. Trudy Kras.NIISKH 1:211-221 '62.

Growth and development of young pigs during a rhythmical protein feeding. Z.A.Savkina. Trudy Kras.NIISKH 1:193-210 '62.

Growth and productivity of Large White and Kemerovo swine under various types of feeding. V.A.Kazak. Trudy Kras NIISKH 1:223-250 '62.

KRASNOYARSK TERRITORY—SWINE BREEDING

Effect of the mating age of young sows on their productivity and its economic effectiveness. G.A.Tutarov. Trudy Kras.NIISKH 1:171-189 '62.

KRASNOYARSK TERRITORY—TOMATOES

Growing tomato seedlings in starting pots. T.N.Trynova. Trudy Kras.NIISKH 1:131-134 '62.

KRASNOYARSK TERRITORY—WHEAT—DISEASES AND PESTS

Stem-mining pests of wheat and their control in the forest-steppe of Krasnoyarsk Territory. A.N.Dobretsov. Trudy Kras.NIISKH 1:157-164 '62.

KRENKEL', ERNST TEODOROVICH, 1923-

Ernst Teodorovich Krenkel'; on his 60th birthday and his 40th anniversary as an industrial researcher. Meteor.i gidrol. no.2:62-63 F '64.

KRISANOV, NIKOLAI VASIL'EVICH, 1893-1948

Sharipov, A.A. General N.V.Krisanov. [Perm'] Permskoe knizhnoe izd-vo, 1963. 50 p. (Zamechatel'nye liudi Prikam'ia)

KRIVOY ROG BASIN—EARTH TEMPERATURE

Geothermy of the Krivoy Rog Basin. G.V.Duganov, E.I. Baratov. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:7-12 '64.

KRIVOY ROG BASIN—GEOLOGY, STRUCTURAL

Contemporaneous tectonic movements in the Krivoy-Rog part of the Ukrainian Crystalline Shield as reflected by the relief and emanation anomalies. IU.G.Gerasimov. Geofiz.sbor. no.5:33-37 '63.

KRIVOY ROG BASIN—IRON MINES AND MINING

Timbering horizontal workings at the No.2 "Zapadnaia-Donbasskaia" Mine. E.V.Kazakevich, V.L.Sakhnovskii. Shakht.stroi. 7 no.12:28 D '63.

Ways of improving the technological process of the underground mining of ores. G.M.Malakhov, IU.A.Ivanov. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:13-18 '64.

KRIVOY ROG BASIN—IRON ORES

Selektor, S.M. [Operational prospecting and some problems of the ore geology of the Krivoy Rog iron ore deposits] Ekspluatatsionnaia razvedka i nekotorye voprosy rudnichnoi geologii zhelezorudnykh mestorozhdenii Krivogo Roga. Moskva, Gosgeoltekhizdat, 1963. 138 p.

KRIVOY ROG BASIN—MARTITE

Two genetic types of the dense quartz-martite ores of the Saksagan' syncline of the Krivoy Rog Basin [with summary in English]. V.M.Kravchenko. Dop.AN URSR no.2:245-248 '64.

KRIVOY ROG BASIN—MINE BUILDINGS—DESIGN AND CONSTRUCTION

Construction of mining and ore dressing combines in the Krivoy Rog Basin. B.F.Babkov, S.A.Araklin. Sbor. nauch.trud.KGRI 18:3-15 '62.

KRIVOY ROG BASIN—PROSPECTING

Selektor, S.M. [Operational prospecting and some problems of the ore geology of the Krivoy Rog iron ore deposits] Ekspluatatsionnaia razvedka i nekotorye voprosy rudnichnoi geologii zhelezorudnykh mestorozhdenii Krivogo Roga. Moskva, Gosgeoltekhizdat, 1963. 138 p.

KRIVOY ROG BASIN—PROSPECTING—GEOPHYSICAL METHODS

Use of geophysical methods in mapping rocks of the upper series of Krivoy Rog. N.I.Baklanov. Geofiz. sbor. no.5:85-92 '63.

KRIVOY ROG BASIN—QUARTZ

Two genetic types of the dense quartz-martite ores of the Saksagan' syncline of the Krivoy Rog Basin [with summary in English]. V.M.Kravchenko. Dop.AN URSR no.2:245-248 '64.

KRUPSKAIA, ELIZAVETA VASIL'EVNA

Two mothers. V.Kliushnikov. Nar.obr. no.4:85-89 Ap '64.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

From the recollections of an artist. P.Vasil'ev. Nar.obr. no.4:89-92 Ap '64.

N.K.Krupskaia on the graphic training of students. V.N. Vinogradov. Shkola i proizv. 6 no.3:45-47 Mr '64.

N.K.Krupskaia's thought on the connection between subjects. M.T.Blahinin, O.M.Blahinina. Rad.shk. 42 no.2:14-18 F '64.

The 95th anniversary of N.K.Krupskaia's birth. Vop. ist.KPSS 8 no.4:146-150 Ap '64.

Ninety-fifth anniversary of the birth of N.K.Krupskaia. R.D'iakova. Sov.pedag. 28 no.4:150-151 Ap '64.

Unforgettable friend and teacher. V.Sokol'skii. Nar. obr. no.5:95-96 My '64.

KRUSHEL'NYTS'KA, SOLOMIIA AMVROSIIVNA, 1873-1952

Enchantress of the song. M.Holovashchenko. Mystetstvo 10 no.5:30 S-O '63.

KRYLENKO, NIKOLAI VASIL'EVICH, 1885-1938

A life devoted to the revolution. F.N.Petrov. Vop.ist. KPSS 8 no.5:107-110 My '64.

KRYLOV, NIKOLAI MITROFANOVICH, 1879-1955

In memoriam Academician N.M.Krylov. K.A.Breus. Ukr.mat.zhur. 16 no.1:136 '64.

KUBA REGION—CHALCID FLIES

Apple seed chalcid Torymus druparum (Boh.) (Hymenoptera, Chalcidoidea) in the Kuba-Khachmas zone of the Azerbaijani S.S.R. L.M.Rzaeva, R.Beirutov. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.6:63-65 '63.

KUBAN—AGRICULTURE—STATISTICS

Intensification of agriculture in the Kuban; from the economic work practice of a statistical administration. V.Skliar. Vest.stat. no.5:3-10 '64.

KUBAN—ALLIED INTERVENTION, 1918-1920

Activities and people in the political section of the Ninth Army. A.S.Shutskever. Vop.ist.KPSS 8 no.4:90-98 Ap '64.

KUBAN—FARM MECHANIZATION

Economics of mechanized production of peas. N.Kosnikov, P.Paramonov. Tekh.v sel'khoz. 23 no.12:4-7 D '63.

KUBAN—OIL WELL DRILLING

More about multipurpose drilling crews. E.G.Ivanov, V.N.Korchagin, N.I.TSiupa. Neft.khoz. 42 no.5:24-26 My '64.

KUBAN—PEAS—ECONOMIC ASPECTS

Economics of mechanized production of peas. N.Kosnikov, P.Paramonov. Tekh.v sel'khoz. 23 no.12:4-7 D '63.

KUBAN—SAVINGS BANKS

Development of savings bank business in the Kuban. P.Miroshnikov. Den.i kred. 22 no.4:67-69 Ap '64.

KUBAN—SUGAR BEETS

From work practices of V.Svetlichnii's team. A.I. Lebedik. Zashch.rast.ot vred.i bol. 9 no.4:24-27 '64.

KUBAN—WEED CONTROL—EQUIPMENT AND SUPPLIES

From work practices of V.Svetlichnii's team. A.I. Lebedik. Zashch.rast.ot vred.i bol. 9 no.4:24-27 '64.

KUBAN-AZOV LOWLAND—GEOLOGY, STRATIGRAPHIC

New data on the Tarkhan horizon of the western Kuban trough. A.K.Bogdanovich, V.N.Burlak. Dokl.AN SSSR 155 no.4:806-809 Ap '64.

KUCHKIN, ANDREI PAVLOVICH, 1889-

In honor of A.P.Kuchkin. Ist.SSSR 8 no.2:244 Mr-Ap '64.

KUKUSHKIN, STEPAN MIKHAILOVICH, 1903-1964

Stepan Mikhailovich Kukushkin; an obituary. Vop.ist. KPSS 8 no.4:159 Ap '64.

KULAKOV, ALEKSANDR PAVLOVICH, 1910-1963

In memory of A.P.Kulakov. Transp.stroi. 13 no.11:79 N '63.

KULEMIN, VASILII LAVRENT'EVICH

Warmed by the heart. Nikolai Bukin. Sov.voin 44 no.22:27 N '62.

KULUNDA DISTRICT—BAPTISTS

With a cross around his neck and a birch in his heart. V.Tonkikh. Sov.iust. 20 no.9:26-27 My '64.

KULUNDA STEPPE—ENGINEERING GEOLOGY

Suffosion sinkholes in the riparian part of the Ob' Plateau and their characteristics from the viewpoint of engineering geology. E.V.Trepettsov. Trudy VSEGINGEO no.1:15-23 '63.

KULUNDA STEPPE—FIELD CROPS—DISEASE AND PEST RESISTANCE

Nonsporogenous bacteria in the control of soil pests of agricultural crops. A.I.Sidorenko. Trudy Biol.inst. Sib.otd.AN SSSR no.10:130-140 '63.

KULUNDA STEPPE—JUMPING PLANT LICE

A new species of jumping plant lice (Homoptera, Aphidoidea) from central Kulunda. O.I.Ivanovskaia-Shubina. Trudy Biol.inst.Sib.otd.AN SSSR no.10:73-76 '63.

KULUNDA STEPPE—SINKHOLES

Suffosion sinkholes in the riparian part of the Ob' Plateau and their characteristics from the viewpoint of engineering geology. E.V.Trepettsov. Trudy VSEGINGEO no.1:15-23 '63.

KULUNDA STEPPE—WEEVILS—BIOLOGICAL CONTROL

Nonsporogenous bacteria in the control of soil pests of agricultural crops. A.I.Sidorenko. Trudy Biol.inst. Sib.otd.AN SSSR no.10:130-140 '63.

KUMA VALLEY (STAVROPOL TERRITORY)—PETROLEUM GEOLOGY

Stratigraphy of the Jurassic sediments of the Kuma oil- and gas-bearing region. K.M.Sultanov, Ch.M.Khalif-Zade, S.S.Samedov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:10-13 '64.

Study of the lithological composition of the Middle Jurassic Terek-Kuma Trough. IU.A.Sterlenko. Izv.vys. ucheb.zav.; neft' i gaz 6 no.12:3-7 '63.

KUMAK VALLEY—STEPPES

Vegetation of dry steppes in the Or'-Kumak watershed (Southern Ural Mountains). I.S.Il'ina. Vest.LGU 19 no.6:102-115 '64.

KUPALA, IANKA, pseud., see Lutsevich, Ivan Dominikovich, 1882-1942

KUPRIIANOV, PETR ANDREEVICH, 1893-1963

Petr Andreevich Kupriianov; an obituary. Vest.khir. 90 no.5:152 My '63.

KURA LOWLAND—PASTURES AND MEADOWS

Dynamics of the aerial parts of vegetation of natural and artificial phytocenoses in the Shirvan semideserts, Azerbaijan S.S.R. S.IU.Aliev. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:27-42 '63.

KURENTSOV, ALEKSEI IVANOVICH, 1896-

A.I.Kurentsov, zoologist of the Far East. N.G.Salatova. Okhr.prir.Sib.i Dal'.Vost. no.1:224-226 '62.

KURGAN PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

From the board of the ministry. Sots.obesp. 25 no.4:52 Ap '64.

KURSK, BATTLE OF, 1943

Problems in the art of war in the Battle of Kursk. A.Kononenko. Voen.-ist.zhur. 6 no.4:115-118 Ap '64.

Reminiscences of the Battle of Kursk. M.Sokirin, V.Doroshenko. Voen.-ist.zhur. 6 no.4:106-108 Ap '64.

KURSK GOVERNMENT—HISTORY

Pliushchev, V.G., comp. [Letters of the workers of Kursk Government to V.I.Lenin; documents and materials] Pis'ma trudiashchikhsia Kurskoi gubernii V.I. Leninu; sbornik dokumentov i materialov. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 105 p.
(MH)

KURSK PROVINCE—AGRICULTURAL CHEMISTRY—STUDY AND TEACHING

We study agricultural chemistry [illegible]

KURSKY [illegible]

[illegible]

KUSTANAY PROVINCE—HOSPITALS

[illegible]

KUSTANAY PROVINCE—MEDICINE, RURAL

[illegible]

KUUSINEN, OTTO VILHELM, 1881-1964

[illegible]

KUWAIT, ARABIA (STATE)—PETROLEUM INDUSTRY

[illegible]

KUYBYSHEV—TECHNICAL INFORMATION SERVICES

[illegible]

KUYBYSHEV PROVINCE—BANKS AND BANKING

[illegible]

KUYBYSHEV PROVINCE—[illegible]

[illegible]

KUYBYSHEV PROVINCE—[illegible]

[illegible]

KUYBYSHEV PROVINCE—[illegible]

[illegible]

KUYBYSHEV PROVINCE—[illegible]

[illegible]

KUYBYSHEV PROVINCE—[illegible]

[illegible]

KUZBASS [illegible]

[illegible]

KUZNETSK BASIN—[illegible]

[illegible]

KUZNETSK BASIN—[illegible]

[illegible]

KUZNETSK BASIN—COAL GEOLOGY

History of the age determination of coal-bearing rocks in the Kuznetsk Basin. V. V. [illegible], S. V. Meien. Izv. AN SSSR. Ser. geol. 29 no. [illegible] My '64.

KUZNETSK BASIN—COAL MINES AND MINING

Characteristics of the dynamic conditions of hydraulic working of [illegible] seams of Kuznetsk Basin [illegible]. [illegible]

Selecting the length of a stope during blast caving of coal "without workers" in mines of the Prokop'yevsk-Kiselevsk region. F. M. Pinchuk. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:[illegible] '64.

[illegible] characteristics of compressed plants in Kuznetsk Basin mines. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no. [illegible] '64.

Release of gas (methane) in Kuznetsk Basin mines during the use of the long pillar system along the strike. [illegible]

KUZNETSK BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Ways of increasing labor productivity at the "Kapital'naia" coal mines of the Kuznetskugol' Trust. [illegible] Ugol' 39 no. [illegible] '64.

KUZNETSK BASIN—COAL MINING MACHINERY

Results of operating the KM-87 unit in the Kuznetsk Basin. B. D. Fraiman. Ugol' 39 no. 4:40-45 Ap '64.

KUZNETSK BASIN—CRINOIDEA, FOSSIL

Dubatolova, Iu. A. [Devonian sea lilies of the Kuznetsk Basin] Morskie lilii devona Kuzbassa. Moskva, Izd-vo "Nauka," 1964. 152 p. illus.

KUZNETSK BASIN—GEOLOGICAL TIME

History of the age determination of coal-bearing rocks in the Kuznetsk Basin. V. V. [illegible], S. V. Meien. Izv. AN SSSR. Ser. geol. 29 no. 5:96-107 My '64.

KUZNETSK BASIN—MINE GASES

[illegible]

KUZNETSK BASIN—MINE TIMBERING

[illegible] Ugol' 39 no. 5:76-78 My '64.

KUZNETSOV, ANATOLII [illegible]

[illegible]

KUZ[illegible] PROVINCE—[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

KZYL-ORDA—[illegible]

[illegible]

KZYL-ORDA—HYDROELECTRIC POWER STATIONS

[illegible]

[illegible]

KZYL-ORDA PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

[illegible]

LAAR, ROBERT, [illegible]

[illegible] [All the soul of his life] [illegible] 1964. [illegible] p.

LABOR, COMPLICATED

Course of pregnancy and labor in patients with pulmonary tuberculosis. [illegible]

Etiology and maternal mortality in placental presentation. [illegible]

[illegible]

LABOR AND LABORING CLASSES

(see also subdivision under Africa; Africa, East; Belgium; France; Leningrad; Moscow; Moscow; Perm; Rostov-on-Don; South Africa, Republic of; Turkmenistan)

[illegible], D. A., ed. [The working class of Soviet Russia during the first year of the dictatorship of the proletariat; collection of documents and materials] Rabochii klass Sovetskoi Rossii v pervyi god diktatury proletariata; sbornik dokumentov i materialov. Moskva, Izd-vo "Nauka," 1964. [illegible] p.

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Vestures instituts. [Labor and communist education] Trud i kommunisticheskoe vospitanie. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 140 p.

Letters from the editor. Sov. profsoiuzy 20 no. 8:41 Ap '64.

Moscow. Universitet. Kafedra istorii KPSS estestvennykh fakul'tetov. [Struggle for the strengthening of the union of working class and peasantry] Bor'ba za ukreplenie soiuza rabochego klassa i krest'ianstva; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1963. 310 p.
(MIC)

Nauchnaia sessiia, posviashchennaia istorii rabochego klassa Rossii v period kapitalizma, Rostov-on-Don, 1963. [Papers at the October 1963 academic session in Rostov-on-Don devoted to the history of the working class in Russia during the period of capitalism] Doklady. Rostov-na-Donu, Akad. nauk SSSR, 1963. 109 p.

People of a noble soul. V. [illegible]. Sov. profsoiuzy 20 no. 8:33 Ap '64.

Replies to our readers. Sov. profsoiuzy 20 no. 8:41 Ap '64.

The working class as a leading force in the struggle for communism. A. Mitrofanova, V. Poletaev. Kommunist 41 no. 8:45-58 My '64.

"World proletariat and the Soviet Union; the movement of the working class in foreign countries in protection of the Soviet Union, 1924-1932" by A. A. Manusevich. Reviewed by I. [illegible]. Vop. ist. 39 no. [illegible] My '64.

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—CONGRESSES

[illegible] of the working class of [illegible] Vop. ist. 39 no. [illegible] '64.

LABOR AND LABORING CLASSES—EDUCATION see subdivision under Moscow; Samarkand; Uzbekistan

LABOR AND LABORING CLASSES IN LITERATURE see subdivision under Kazakhstan

LABOR DAY see subdivision under Uzbekistan

LABOR DISCIPLINE

Krasnoyarsk. Sibirskii tekhnologicheskii institut. [Collection of materials of conference on the results of research carried out during 1962] Sbornik materialov konferentsii po itogam nauchnoissledovatel'skikh rabot za 1962 god. Krasnoiarsk, [illegible] 1963.

Moscow. Akademiia obshchestvennykh nauk. [Development of a communist [illegible]] [illegible] Moskva, Izd-vo "Mysl'," [illegible] 224 p.

[illegible]

LABOR DISPUTES

[illegible]

LABOR LAWS AND LEGISLATION

(see also subdivision under Moldavia)

[Resolutions of the All-Union Central Council of Trade Unions] Sov. profsoiuzy 20 no. 8:[illegible] Ap '64.

[illegible], I. V. [Guaranteed and compensatory payments for workers and employees] Garantiinye i kompensatsionnye vyplaty rabochim i sluzhashchim. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 60 p. (Iuridicheskaia konsul'tatsiia dlia naseleniia v voprosakh i otvetakh)

[illegible], P. A. [Privileges accorded to persons called to service on public works] L'goty dlia lits, napravliaemykh v poriadke obshchestvennogo prizyva. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 31 p. (Iuridicheskaia konsul'tatsiia dlia naseleniia v voprosakh i otvetakh)

[illegible], B. F., and V. N. [illegible]. [Legal protection of wages of workers and employees] Pravovaia okhrana zarabotnoi platy rabochikh i sluzhashchikh. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 78 p. (Iuridicheskaia konsul'tatsiia dlia naseleniia v voprosakh i otvetakh)

New labor legislation. Mor. flot 23 no. 12:[illegible] D '63.

LABOR LAWS AND LEGISLATION—PROBLEMS, EXERCISES, ETC.

Kharkov. Iuridicheskii institut. Kafedra trudovogo, zemel'nogo i kolkhoznogo prava. [Collection of problems in Soviet labor law; for students of the Kharkov Law Institute] Sbornik zadach po sovetskomu trudovomu pravu, dlia studentov Khar'kovskogo iuridicheskogo instituta. Khar'kov, 1963. 63 p.
[MICROFILM]

LABOR LAWS AND LEGISLATION—STUDY AND TEACHING

[illegible], D. L. [Soviet labor law; curriculum, methodological instructions, and test work in Soviet labor law for students of technical institutes of higher learning] Sovetskoe trudovoe zakonodatel'stvo; programma, metodicheskie ukazaniia i kontrol'nye raboty po trudovomu zakonodatel'stvu SSSR dlia studentov vysshikh tekhnicheskikh uchebnykh zavedenii. Tashkent, M-vo vysshego i srednego obrazovaniia UzSSR, 1963. 42 p.
[MICROFILM]

LABOR MOBILITY

The reader continues the conversation. Sov.profsoiuzy 20 no.7:34-35 Ap '64.

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

LABOR PASSPORTS
(see also subdivision under Kazakhstan)

Labor passport. Sov.profsoiuzy 20 no.7:5-7 Ap '64.

Man's glory is in his deeds. A.Emel'ianov. Sov.profsoiuzy 20 no.8:7 Ap '64.

LABOR PRODUCTIVITY
(see also subdivision under Ukraine)

Effect of technological progress on the increase of labor productivity. S.Pavlov, E.Slastenko. Vop.ekon. no.4:101-103 Ap '64.

Kostin, L. [Trade unions and labor productivity during the period of the building of communism] Profsoiuzy i proizvoditel'nost' truda v period postroeniia kommunizma. [Moskva] Profizdat, 1964. 175 p.

Productive and nonproductive labor under socialism. M.A.Daril. Uch.zap.Kish.un.: Mezhvuz.sbor.po polit. ekon. no.2:107-127 '63.

LABOR SUPPLY
(see also subdivision under Krasnoyarsk Territory)

Gureev, P.A. [Privileges accorded to persons called to service on public works] L'goty dlia lits, napravliaemykh v poriadke obshchestvennogo prizyva. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 57 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

LABOR TURNOVER

The ways to reduce labor turnover. A.A.Mardovich. Vesti AN BSSR.Ser.hram.nav. no.1:35-40 '64.

LABORATORIES
(see also subdivision under Moscow)

Apply the resolutions of the Plenum of the Central Committee of the CPSU in laboratory practice. Lab.delo no.3:131 '64.

LABORATORIES—EQUIPMENT AND SUPPLIES

Efficient fitting of a reflux condenser. V.N.Aleksandrov. Lab.delo 9 no.4:50 Ap '63.

Machines for washing laboratory equipment. R.M.Petrovskaia. Lab.delo no.3:185-186 '64.

Mechanical device for measuring and filling machinery. A.Z.Levin. Med.prom. 17 no.10:45-46 O '63.

Perfecting laboratory instruments. S.G.Khabibullin. Trudy BashNII NP no.6:178-182 '63.

Stand for agitating graduated flasks. M.E.Zverev, B.G.Kupriakov, I.V.Lybin. Lab.delo no.4:251-252 '64.

Thermostatic box for transporting chicken embryos. N.D.Alekseenko. Lab.delo no.3:187 '64.

LABORATORY ANIMALS

Hematological characteristics of strain CC-57 laboratory mice. A.N.Grinchenko, A.S.Zverkova. Lab.delo no.4:248-250 '64.

LABYRINTH (EAR)

Activating effect of vestibular stimulation of the electrocorticogram. G.I.Gorgiladze, V.M.Fedorov. Dokl. AN SSSR 155 no.2:478-481 Mr '64.

Comparative morphology of the cochlear apparatus of the ear of some rodents. Zh.M.Kukhtina. Uch.zap.MGPI 169:271-278 '62.

Morphological and histochemical studies on the labyrinth of animals under conditions of a changed gravitational field [with summary in English]. I.A.Vinnikov and others. Izv.AN SSSR.Ser.biol. no.2:222-231 Mr-Ap '63.

Remote effect of space flight on the vestibular-tonic and flexor reflexes in guinea pigs [with summary in English]. Z.I.Apanasenko, M.A.Kuznetsova. Izv.AN SSSR.Ser.biol. no.2:214-221 Mr-Ap '63.

LACQUER AND LACQUERING

Synthesis of lacquer copolymers of glycidyl methacrylate with methylmethacrylate and butyl methacrylate in emulsions. M.F.Sorokin, L.G.Shode, R.A.Dudakova. Lakokras.mat.i ikh prim. no.1:12-18 '64.

Using xylene fractions of a pyrolytic product of the casinghead gasoline of compartment kilns. M.V.Kobyl'skaia, N.I.Pyshkina, S.S.Semenov. Trudy VNIIT no.11:127-133 '62.

LACRIMAL ORGANS—SURGERY

External dacryocystorhinostomy. L.I.Ivashchenko, IU.M.Radionov. Zdrav.Kazakh. 23 no.4:19-21 '63.

LACTAMS—SPECTRA

Infrared and ultraviolet spectra of lactams in caustic potash solutions [with summary in English]. IU.U.Moiseev, G.I.Batiukov, M.I.Vinnik. Zhur.fiz.khim. 37 no.3:570-577 Mr '63.

LACTATION

Changes in the milk yield and basic components of milk as related to the intensity of fermentative processes in the rumen of cows. Kh.Diusembin. Trudy Inst.fiziol.AN Kazakh.SSR 5:94-97 '63.

Characteristics of lactation in mares. Kh.Diusembin. Trudy Inst.fiziol.AN Kazakh.SSR 5:98-112 '63.

Mechanism of secretion in the abomasum of sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst.fiziol.AN Kazakh.SSR 5:39-47 '63.

Phosphorus compounds in the bovine mammary gland [with summary in English]. S.I.Kusen', M.D.Kotsiuba. Ukr.biokhim.zhur. 35 no.1:72-83 '63.

Reflex regulation of milk secretion in sheep. Kh.Diusembin. Trudy Inst.fiziol.AN Kazakh.SSR 5:113-121 '63.

Some characteristics of pancreatic secretion and the bile secreting function of the liver in sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst.fiziol.AN Kazakh.SSR 5:33-38 '63.

LACTIC ACID BACTERIA

Effect of glyceric and pyruvic acid on the fermentation produced by Lactobacterium delbrueckii. V.N.Shaposhnikov, E.N.Krasil'nikova. Dokl.AN SSSR 156 no.1:183-186 My '64.

LACTONES

Preparation and properties of some β-thiolactones. I.L.Knuniants, M.G.Lin'kova, N.D.Kuleshova. Izv.AN SSSR.Ser.khim. no.4:644-651 Ap '64.

LACTOSE

Interrelationship between the lactose of milk and the glucose of blood in lactating sheep. A.V.Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 5:129-132 '63.

LADOGA LAKE REGION—BOULDERS

Some results of the study of glacier boulders on the southwestern shore of Lake Ladoga. S.V.IAkovleva. Trudy VSEGEI 90:168-177 '63.

LAGOCHILIN

Effect of a resolving dose of antigens on the higher nervous activity of dogs. E.A.Beliavskaia, M.K.Rakhimova. Nauch.trudy SamMI 21:155-161 '62.

Effect of lagochilin ester on the development and course of anaphylactic shock. F.A.Asliddinov, M.K.Rakhimova, M.M.Khakberdyev. Nauch.trudy SamMI 21:152-154 '62.

LAGOMORPHA, FOSSIL

Phylogeny of the order of Lagomorpha (Mammalia) in the light of the recent data of paleontology and comparative morphology. A.A.Gureev. Dokl.AN SSSR 155 no.5:1227-1229 Ap '64.

LAGOONS

Some characteristics of the formation of lagoons. P.A.Kaplin. Okeanologiia 4 no.2:290-294 '64.

LAKES see subdivision under Bol'shezemel'skaya Tundra; Omsk Province

LAMBLIASIS see Giardiasis

LAMBS

Development of the rumen function in lambs. N.U.Bazanova, A.V.Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 5:15-18 '63.

LAMBS—DISEASES AND PESTS

Therapeutic effectiveness of monomycin in calf and lamb diseases. A.B.Boiakhchian, B.A.Akunts, M.S.Arevshatian. Veterinariia 40 no.10:47 O '63.

LAMINATED METALS

Chekushin, M.V. [Manufacture of bimetal parts] Proizvodstvo bimetallicheskikh detalei. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 15 p. [MICROFILM]

LAND SETTLEMENT see subdivision under Irtysh Valley; Siberia; Siberia, Western

LAND TENURE see subdivision under Azerbaijan; Bohemia; Europe, Eastern; Latin America; Ossetia, North; Tunisia; Ukraine

LAND TENURE—LAW
(see also subdivision under Germany, West)

Land law and collective farm law problems in the light of the decisions of the February, 1964 Plenum of the Central Committee of the CPSU. Sov.gos.i pravo 34 no.4:5-15 Ap '64.

LANDFORMS
(see also subdivision under Kama Valley; Mongolia; Soviet Far East; Vychegda Valley)

Analysis practice in the correlation of areas, heights and denudation rate of continents. P.S.Voronov. Izv.Vses.geog.ob-va 96 no.1:3-13 Ja-F '64.

Basic characteristics of the relief of the present-day surface of the basement of the U.S.S.R. in relation to an evaluation of the prospects for finding oil and gas. N.I.Bufalov, E.V.Zakharov. Sov.geol. 7 no.4:24-39 Ap '64.

Development of present-day landform complexes. F.N.Mil'kov. Izv.Vses.geog.ob-va 96 no.1:14-22 Ja-F '64.

Genesis and evolution of polygonally jointed relief. M.N.Boitsov. Trudy VSEGEI 90:55-80 '63.

Landform geophysics. D.L.Armand. Izv.AN SSSR.Ser.geog. no.2:12-23 Mr-Ap '64.

Using coltsfoot as an index of a recent disturbance of the ground. V.I.Turmanina. Sov.geol. 7 no.4:131-132 Ap '64.

LANDSFORMS—CONGRESSES

Decisions of the Fourth All-Union Congress on Landform Studies. Izv.Vses.geog.ob-va 96 no.1:93-96 Ja-F '64.

Sixth All-Union Conference on the Study of Landforms. E.E.Rodnianskaia. Vest.LGU 19 no.6:161-162 '64.

LANDFORMS—STUDY AND TEACHING

Vsesoiuznoe soveshchanie po voprosam landshaftovedeniia. 6th, Moscow, 1963. [Problems of landform study; materials] Voprosy landshaftovedeniia; materialy. Alma-Ata, Akad.nauk Kazakhskoi SSR, 1963. 390 p.

LANDING OPERATIONS

According to specialties and years of service; exercise on preparation fire in a landing company. P.Gerasimchuk. Voen.vest. no.3:105-109 Mr '64.

Each member of a landing force is an expert rifleman. N.Natal'in, IU.Pavlov. Voen.vest. no.3:19-23 Mr '64.

LANDSCAPE ARCHITECTURE see subdivision under Moscow

LANDSCAPE GARDENING see subdivision under Omsk region; Turkmenistan

LANDSLIDES
(see also subdivision under Nevinnomyssk Canal)

Investigation of mudflows. M.N.Gol'dshtein, A.IA.Turovskaia, L.S.Lapidus. Vop.geotekh. no.5:3-24 '62.

Rare kind of landslide deformation in the slope of a river valley. S.S.Sokolov, M.V.Churinov. Trudy VSEGINGEO no.1:46-50 '63.

LANDSLIDES—CLASSIFICATION

Morphologic classification of landslide phenomena for purposes of mapping from the viewpoint of engineering geology. E.P.Emel'ianova. Trudy VSEGINGEO no.1:82-100 '63.

LANGUAGE AND LANGUAGES

Brief news. Vop.iaz. 12 no.6:158-171 N-D '63.

"Problems of Marxist linguistics." T.V.Bulygina. Vop.iaz. 12 no.6:140-144 N-D '63.

Theoretical bases of F. de Saussure's dichotomous hypothesis of "language and speech." A.G.Volkov. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.2:40-53 Mr-Ap '64.

LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS

Audio-visual method abroad. O.A.Gromova. Vest.vys.shkoly 22 no.4:57-60 Ap '64.

Audio-visual synthesis and the study of oral speech. I.IU.Shekhter. Vest.vys.shkoly 22 no.4:53-57 Ap '64.

Let's make a more efficient use of motion pictures. V.Rzhekhak. Vest.vys.shkoly 22 no.4:60-61 Ap '64.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—PHONETIC TRANSCRIPTION

Does the "broad" international system of phonetic transcription correctly illustrate modern English pronunciation? E.A.Afonov, M.V.Davydov. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.2:80-92 Mr-Ap '64.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Independent extracurricular work of students during the study of languages. M.G.Nezifi. Trudy Turk.sel'khoz.inst. 11 no.2:157-159 '62.

LANGUAGE DATA PROCESSING

Formalized language and the criterion of semantic conformity in the "Pusto-Nepusto-4" information retrieval system. E.S.Bernshtein. NTI no.12:31-39 '63.

LANTHANUM

Effect of lanthanum and zirconium on the alkali resistance of silicate glasses. V.S.Molchanov, T.M.Makarova. Zhur.prikl.khim. 37 no.4:886-887 Ap '64.

LANTHANUM-MAGNESIUM-NITRATE CRYSTALS

Draghicescu, P., and others. [Dynamic polarization of protons in lanthanum-magnesium nitrate crystals containing neodymium] Dinamicheskaia poliarizatsiia protonov v kristalle lantan-magnievogo nitrata s primes'iu neodima. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 16 p.

LAOS—POLITICS AND GOVERNMENT

The situation in Laos. A.Usvatov. Nov.vrem. 21 no.19:17-18 My '64.

LAPIN, AL'BERT IANOVICH, 1889-1937

Corps Commander A.IA.Lapin. F.Zharov, IU.Geller. Voen.-ist.zhur. 6 no.4:126-128 Ap '64.

LAPTEV, SERGEI ROMANOVICH, ca. 1893-

Anniversary of a local lore student. Izv.Omsk.otd.Geog.ob-va no.5:199-201 '63.

LARCH see subdivision under Kalinin Province

LARCH—DISEASES AND PESTS see subdivision under Altai Mountains; White Russia

LARVAE—FISHES
(see also subdivision under Black Sea)

Critical periods of larval development and mortality in fishes. V.I.Vladimirov. Vop.ikht. 4 no.1:104-117 '64.

Rate of the digestion of food in roach and sazan larvae [with summary in English]. O.I.Kudryns'ka. Dop. AN URSR no.4:534-536 '64.

LARVAE—INSECTS

Role of the larvae of Chaoborinae (Diptera, Culicidae) in the extermination of bloodsucking mosquitoes [with summary in English]. A.S.Monchadskii. Zool.zhur 43 no.3:455-466 '64.

LARYNX—CANCER

Diagnostic value of cytological investigations in tumors of the larynx [with summary in English]. N.P.Timoshev. Zhur.ush.,nos.i gorl.bol. 23 no.6:5-10 N-D '63.

Project of an international classification of cancer of the larynx [with summary in English]. IU.A.Lotsmanov. Zhur.ush.,nos.i gorl.bol. 23 no.6:3-5 N-D '63.

Thiamine content in the organism of patients with cancer of the larynx in relation to the spreading of the process and method of treatment [with summary in English]. A.M.Starostenko. Zhur.ush.,nos.i gorl.bol. 23 no.6:13-17 N-D '63.

LARYNX—DISEASES

Clinical aspects of lesions of the larynx in a patient exposed to the action of ionizing radiation and the first treatment of the sequelae of this injury [with summary in English]. A.I.IUnina. Zhur.ush.,nos.i gorl.bol. 23 no.6:36-41 N-D '63.

LARYNX—SURGERY

Formation of tracheostoma in extended laryngectomy. A cannula as a dilatator for the tracheostoma [with summary in English]. G.M.Tytar'. Zhur.ush.,nos.i gorl.bol. 23 no.6:23-27 N-D '63.

Plastic surgery for defects of the pharynx and esophagus after recovery from laryngectomy [with summary in English]. M.V.Sokoliuk, M.L.Sanotskii. Zhur.ush., nos.i gorl.bol. 23 no.6:27-32 N-D '63.

Pulmonary ventilation in patients following a laryngectomy [with summary in English]. A.L.Makukha. Zhur.ush., nos.i gorl.bol. 23 no.6:10-12 N-D '63.

LAS CASAS, BARTOLOMÉ DE, 1474-1566

An article on Las Casas written by a historian of the Franco regime. L.IU.Slezkin. Vop.ist. 39 no.5:206-207 My '64.

LASERS

Averaged Laser equations and their steady-state solutions [with summary in English]. L.A.Ostrovskii, E.I. IAkubovich. Zhur.eksp.i teor.fiz. 46 no.3:963-969 Mr '64.

Distribution of pumping radiation density in a laser crystal. IU.A.Anan'ev, E.A.Korolev. Opt.i spektr. 16 no.4:702-704 Ap '64.

Efficiency of elliptic cylinders in the illuminating systems of lasers. IU.A.Anan'ev. Prib.i tekh.eksp. 9 no.2:135-137 Mr-Ap '64.

Excitation of a semiconductor laser by a beam of fast electrons. N.G.Basov, O.V.Bogdankevich, A.G. Devîatkov. Dokl.AN SSSR 155 no.4:783 Ap '64.

Some characteristics of a ruby laser with two reflecting prisms. V.M.Podgaetskii, A.N.Chernets, O.G.Korneeva. Opt.i spektr. 16 no.4:674-676 Ap '64.

LATERITE

Processes of laterite weathering and conditions governing construction on laterites. G.K.Bondarik. Trudy VSEGINGEO no.1:27-39 '63.

LATHES

Analysis of the utilization of heavy lathes. G.L.Khaet, L.N.Solov'ev. Stan.i instr. 35 no.3:38-42 Mr '64.

Determining the parameters of lathes. B.A.Gladkov, A.O.Etin, B.L.Shumiatskii. Stan.i instr. 35 no.3:27-33 Mr '64.

Milling with a lathe. M.Krachkovskii. Tekh.v sel'khoz. 23 no.12:72-74 D '63.

LATHES—TRANSMISSION DEVICES

Evdokimov, V.P. [Mechanized drives for lathe attachments] Mekhanizirovannye privody stanochnykh prisposoblenii. [Leningrad] Lenizdat, 1964. 176 p. (V pomoshch' molodym rabochim)

LATIN AMERICA—CITIES AND TOWNS—GROWTH

An American sociologist discusses the role of cities in the life of Latin America. IA.G.Mashbits. Vop.ist. 39 no.3:206-207 Mr '64.

LATIN AMERICA—COMMUNISM

Fundamental contradictions of our period and the future of Latin American peoples. José Antonio Portuondo. Vop.filos. 18 no.3:11-16 '64.

LATIN AMERICA—EDUCATION

The struggle for democratic education in Latin America. L.V.Khanykova. Vop.ist. 39 no.3:202-204 Mr '64.

LATIN AMERICA—INSURANCE, SOCIAL

Social insurance in the countries of Latin America. A.Zhdanov. Sots.obesp. 25 no.4:60-63 Ap '64.

LATIN AMERICA—LAND TENURE

An article on the agrarian reform in Latin America published by a West-German magazine. A.D.Galkina. Vop.ist. 39 no.5:205 My '64.

LATIN AMERICA—POLITICS

In the name of socialist progress. K.A.Khachaturov. Vop.ist.KPSS 8 no.5:114-116 My '64.

LATIN AMERICA—SOCIAL CONDITIONS

Fundamental contradictions of our period and the future of Latin American peoples. José Antonio Portuondo. Vop.filos. 18 no.3:11-16 '64.

LATVIA—CIVIL PROCEDURE

Latvian S.S.R. Laws, statutes, etc. [Civil Procedure Code of the Latvian Soviet Socialist Republic] Latvijas Padomju Socialistiskas Republikas civilprocesa kodekss. Riga, Latvijas valsts izd-ba, 1964. 236 p. [In Latvian]

LATVIA—CLIMATE

Zirnitis, Alfreds. [Climate of the Latvian S.S.R.] Latvijas PSR klimats. Riga, Latvijas Valsts izd-ba, 1963. 90 p. [In Latvian]

LATVIA—CONSERVATION OF NATURAL RESOURCES—LAWS AND REGULATIONS

Latvian S.S.R. Laws, statutes, etc. [Conservation in the Latvian S.S.R.; collection of laws, decrees and regulations on conservation] Okhrana prirody v Latviiskoi SSR; sbornik zakonov, postanovlenii i polozhenii po okhrane prirody. Riga, Latviiskoe gos. izd-vo, 1963. 195 p.

LATVIA—DAIRY INDUSTRY

Tilta, Elga. [Dairy industry of the Latvian S.S.R.] Latvijas PSR piena rupnieciba. Riga, Latvijas PSR Zinatnu Akademijas izd-ba, 1963. 81 p. [In Latvian]

LATVIA—JUVENILE DELINQUENCY

Voluntary assistants of public prosecutors and their help in juvenile delinquency cases. K.Vitols, A.Estraikh. Sots.zakon. 40 no.12:10-12 D '63.

LATVIA—LAW

Latvian S.S.R. Laws, statutes, etc. [Chronological collection of laws of the Latvian S.S.R., edicts of the Presidium of the Supreme Soviet of the Latvian S.S.R., and resolutions of the Government of the Latvian S.S.R., 1940-1959] Hronologiskais likumkrajums. Latvijas PSR likumu, Latvijas PSR Augstakas Padomes Prezidija dekretu un Latvijas PSR valdibas lemumu hronologiskais krajums, 1940-1959. Riga, Latvijas valsts izd-ba, 1960. 376 p. [In Latvian]
(MH)

LATVIA—MEAT INDUSTRY—MANAGEMENT

Modification of the system for the receiving of and accounting for beef cattle. Z.Stefanovich, D.Lifshits. Mias.ind.SSSR 34 no.6:24 '63.

LATVIA—MUSHROOMS, EDIBLE

Balodis, A. [For collectors of mushrooms] Senotajiem. Riga, Latvijas Valsts izd-ba, 1963. 167 p. [In Latvian]

LATVIA—NEMATODA

Biology of Philometra lusii Visman. K.O.Vismanis. Vop.ikht. 4 no.1:192-193 '64.

LATVIA—PARASITES—FISHES

Biology of Philometra lusii Visman. K.O.Vismanis. Vop.ikht. 4 no.1:192-193 '64.

LATVIA—THEATER

[Shakespeare and the Latvian theater] Sekspirs un Latviesu teatris [By] A.Vilsons un citi. Riga, Latvijas Valsts izd-ba, 1964. 163 p. [In Latvian]

LATVIA—WEED CONTROL

Using herbicides in the Latvian S.S.R. A.D.Trusova. Khim.v sel'.khoz. 2 no.2:47-50 F '64.

LAVA see subdivision under Transcarpathia

LAVA—MAGNETIC PROPERTIES see subdivision under Armenia

LAW
(see also subdivision under Kazakhstan; Latvia)

Aleksandrov, N.G., and others. [Theory of state and law; a textbook for secondary law schools] Teoriia gosudarstva i prava; uchebnik prednaznachen dlia srednikh iuridicheskikh shkol. Otv. red. N.G.Aleksandrov. Moskva, Gos. izd-vo iurid. lit-ry, 1958. 306 p.
(MH-L)

Mezhvuzovskaia nauchnaia konferentsiia, Kharkov, 1962. [The Soviet state and law during the large-scale building of communism; summaries of reports and studies, March 6-9, 1962] Sovetskoe gosudarstvo i pravo v period razvernutogo stroitel'stva kommunizma; tezisy dokladov i nauchnykh soobshchenii, 6-9 marta 1962 g. Khar'kov, Khar'kovskii iurid. in-t, 1962. 261 p.
(MH)

Vasilenkov, P.T., and others. [Soviet law] Sovetskoe pravo. Moskva, Vysshaia shkola, 1964. 479 p.

LAW—ANECDOTES, FACETIAE, SATIRE, ETC.

Instead of foreign humor. B.Maze. Sov.iust. 28 no.8:25 Ap '64.

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES

[Bulletin of the Supreme Court of the R.S.F.S.R.] Biul. Verkh.Suda RSFSR nos.5-6 '64.

How public prosecutors supervise the observance of laws. Sots.zakon. 40 no.12:75-77 D '63.

LAW—CODIFICATION

New lists of the "Kormchieknigi" containing the "Russkaia Pravda." IA.N.Shchapov. Ist.SSSR 8 no.2:100-103 Mr-Ap '64.

LAW—INTERNATIONAL COOPERATION

Development of friendship and cooperation between Soviet and foreign jurists. Sov.iust. 28 no.9:1-2 My '64.

LAW—PERIODICALS

Conference with our readers. Sov.iust. 28 no.8:24-25 Ap '64.

How we have carried out our readers' suggestions. Sots.zakon. 40 no.12:79-83 D '63.

"Sotsialisticheskaia zakonnost'," a periodical publication of the Office of the Public Prosecutor of the U.S.S.R. and the Supreme Court of the U.S.S.R. Sots.zakon. 40 no.12:3-4 D '63.

LAW—PHILOSOPHY

Free will and its role in the legal regulation of social relations. I.S.Samoshchenko. Sov.gos.i pravo no.12:34-44 D '63.

How the law influences social development in the state of all people. A.F.Shebanov. Sov.gos.i pravo no.12:12-23 D '63.

LAW AND COMMUNISM

Public opinion and an all-people's law. R.A.Safarov. Sov.gos.i pravo 34 no.4:80-90 Ap '64.

V.I.Lenin on the effectiveness of Soviet laws. P.M. Rabinovich. Sov.gos.i pravo 34 no.4:47-56 Ap '64.

LAW AND SOCIALISM

Greatness of Leninist ideas. Sov.iust. 28 no.8:1-3 Ap '64.

LAW ENFORCEMENT

A meeting in the Central Committee of the CPSU. Sov. gos.i pravo 34 no.4:3-4 Ap '64.

LAWNS

Perennial ryegrass (Lolium perenne L.) as a lawn grass in Tiflish [in Georgian with summary in Russian]. G.K. Managadze. Vest.Tbil.bot.sada no.68:21-26 '62.

LAWYERS

Il'inskaia, I.M., and L.F. Lesnitskaia. [Representation in court proceedings under civil procedure] Sudebnoe predstavitel'stvo v grazhdanskom protsesse. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 161 p.

LAZAREV, DMITRII NIKOLAEVICH, 1904-

D.N.Lazarev.; on his 60th birthday. V.K.Baranov and others. Svetotekhnika 10 no.4:28 Ap '64.

LAZO, SERGEI GEORGIEVICH, 1894-1920

Hero of the civil war. Voen.vest. no.3:124-125 Mr '64.

LEAD

Kinetics of the dissolution of lead in lead nitrate solutions. A.A.Ravdel', G.N.Gorelik. Zhur.prikl.khim. 37 no.4:778-784 Ap '64.

Nephelo-colorimetric method of determination of lead in biological fluids [with summary in English]. L.E. Gorn. Vop.med.khim 8 no.6:625-627 N-D '62.

LEAD CHROMATES

Effect of surface-active agents on the properties of lead chrome yellow. P.I.Ermilov, V.N.Fedorov. Lakokras. mat.i ikh prim. no.1:25-28 '64.

LEAD COMPOUNDS—ELECTRIC PROPERTIES

Structural changes and anomalies of electric properties in phase transitions in Pb_2CoWO_6. V.S.Filip'ev, E.G. Fesenko. Kristallografiia 9 no.2:293-295 Mr-Ap '64.

LEAD ELECTRODES see Electrodes, Lead

LEAD INDUSTRY see subdivision under Leninogorsk

LEAD IODITES

Effect of ultraviolet emissivity on the ice-forming activity of a lead iodite aerosol. M.IA. Aksenov, N.O. Plaude. Trudy TSAO no.51:29-32 '63.

LEAD ISOTOPES

New data on the content and isotopic composition of lead in stone meteorites. E.V. Sobotovich, G.P. Lovtsius, A.V. Lovtsius. Meteoritika no.24:29-33 '64.

LEAD MOLYBDATES

Solubility product of lead molybdate [with summary in English]. M.L. Chepelevetskii, K.F. Kharitonovich. Zhur. anal. khim. 18 no.3:357-359 Mr '63.

LEAD NITRATES

Kinetics of the dissolution of lead in lead nitrate solutions. A.A. Ravdel', G.N. Gorelik. Zhur. prikl. khim. 37 no.4:773-784 Ap '64.

LEAD ORES

(see also subdivision under Klichka region, Transbaikalia; Ossetia, North)

Dressing of lead ores containing pyrrhotite, iron carbonates, and an insignificant quantity of zinc. V.A. Nagaenko. Trudy Mekhanobr no.131:196-201 '62.

LEAD ORES—ANALYSIS

Studying the material composition of oxidized and mixed lead and zinc ores. A.A. Abramov. Trudy Mekhanobr no.131:237-247 '62.

LEAD OXIDES

Cataphoretic migration of PbO_2 particles in sulfuric acid solution of cadmium. O.A. Khan, G.N. Sosnovskii. Zhur. prikl. khim. 37 no.4:890-892 Ap '64.

LEAD POISONING

Amino nitrogen of the blood serum in lead poisoning. V.N. Afonova, A.I. Moshchenko. Nauch. trudy Riaz. med. inst. 15:3-5 '62.

LEAD SALTS

Determination of aluminum with salicylal o-aminophenol in lead salts. V.V. Klimov, O.S. Didkovskaia, V.N. Kozachenko. Metod. anal. khim. reak. i prepar. no.4: 53-57 '62.

LEAD THIOANTIMONITES

Indium in sulfoantimonites of lead. K.F. Kuznetsov. Trudy IMGRE no.10:92-99 '63.

LEAF ROLLERS **see subdivision under Altai Mountains**

LEAKAGE ELECTRIC CURRENTS **see Electric currents, Leakage**

LEATHER

Complexometric methods in the technological control of leather manufacture. Z.I. Kuznetsova. Nauch. trudy MTILP no.26:109-113 '62.

"Efficient utilization of raw materials with the porosity defect in shoe manufacture." S.A. Ulanov. Kozh.-obuv. prom. 6 no.4:17 Ap '64.

Mechanical technology of leather. N.S. Solov'ev, P.A. Bol'shakov. Kozh.-obuv. prom. 6 no.4:18-23 Ap '64.

LEATHER—DRYING

Dryer for the precuring of stiff leather. P.L. Motekaitis. Kozh.-obuv. prom. 6 no.4:35-36 Ap '64.

Mechanized system for drying Russian leather by the glued-on-glass method. R.M. Shor, M.A. Brahins'kyi. Leh. prom. no.4:11-13 O-D '63.

Synthetic adhesives for the gluing-on of leather on the glass plate. S.H. Ponomar'ov, M.M. Oleinyk, S.B. Cheranovs'ka. Leh. prom. no.4:53-55 O-D '63.

LEATHER—STANDARDS

[Leather materials and semifinished products; official edition] Kozhevennye materialy i polufabrikaty. Izd. Ofitsial'noe. Moskva, Izd-vo Standartov. 1963. 547 p. (SSSR Gosudarstvennye standarty)

LEATHER—TESTING

Determining the constant of the relaxation time in the deformation of sole leather. Report No. 4. V.N. TSvetkov, L.N. Alifanova. Nauch. trudy MTILP no.26:134-145 '62.

Determining the constant of the relaxation time in the deformation of sole leather. Report No. 3. V.N. TSvetkov. Nauch. trudy MTILP no.26:118-133 '62.

Relation between the strength limits of leather and fiber bundles in tensile deformation. V.A. Usilov, N.V. Chernov. Nauch. trudy MTILP no.26:114-117 '62.

LEATHER, ARTIFICIAL

(see also subdivision under United States)

Artificial carboxylate leather. I.A. Shtern and others. Kozh.-obuv. prom. 6 no.2:32-34 F '64.

LEATHER INDUSTRY

(see also subdivision under Ivano-Frankovsk)

Effect of the utilization of leather wastes and splits on the economics of the manufacture of Russian leather. N.S. Solov'ev. Kozh.-obuv. prom. 6 no.2:34-40 F '64.

Efficient utilization of hides. B.N. Morozov, A.S. Trunovskaia. Kozh.-obuv. prom. 6 no.2:42-44 F '64.

From the report of A.N. Mikhailov "Generalization of the practices of the leather industry in the use of worm apparatus and ways for their further improvement." Kozh. obuv. prom. 5 no.12:3-6 D '63.

From the report of S.G. Ponomarev "Generalization of industrial practices in the manufacture of chrome leather from pig skins and cattle hides on continuous and semiautomatic lines." Kozh. obuv. prom. 5 no.12:6-8 D '63.

Mechanization of loading, unloading and mechanical operations in the liming shops. I.D. Verbitskaia. Kozh.-obuv. prom. 6 no.4:34-35 Ap '64.

"New technological processes in leather manufacture" by P.I. Levenko, M.A. Khelemskii. Reviewed by A.E. Shapiro, I.G. Shifrin, S.D. Kovtunovich. Kozh. obuv. prom. 5 no.12:31-33 D '63.

Response to published materials. Kozh. obuv. prom. 5 no.12:34-35 D '63.

LEATHER INDUSTRY—BY-PRODUCTS

Complete utilization of the wastes of natural leather from the leather industry. N.A. Timokhin, P.F. Mozhaev. Kozh. obuv. prom. 5 no.12:15-17 D '63.

Efficient utilization of the wastes of leather industries. N.A. Timokhin. Kosh.-obuv. prom. 6 no.2:14-18 '64

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Substituting fabrics for felt in the cuffs of roller machines. M.I. Brusilovskii, A.F. Zhabovskii. Kozh. obuv. prom. 5 no.12:29 D '63.

Technological progress in the leather industry; Editorial. Kozh. obuv. prom. 5 no.12:1-2 D '63.

Utilization of the worn-out cutters of band-knife splitting machines for the drum dryers in glue manufacture. M.I. Brusilovskii, A.F. Zhabovskii. Kozh.-obuv. prom. 6 no.2:42 F '64.

LEATHER INDUSTRY—FINANCE **see subdivision under Dzhambul**

LEATHER INDUSTRY—PRODUCTION STANDARDS

For a strict standardization of production in the leather and footwear industry. F.G. Gus'kov. Kozh. obuv. prom. 5 no.12:9-10 D '63.

LEAVES

Daily variation of carbohydrates in leaves and stalks of potato plants. M.N. Goncharik, L.P. Rusetskaia, M.I. Marshakova. Bot.; issl. Bel. otd. VBO no.5:8-15 '63.

Physiological significance of the process of water vapor absorption by plant leaves. L.N. Babushkin. Dokl. AN SSSR 155 no.5:1216-1219 Ap '64.

Relationship between the needle bulk and the current annual increment of Siberian larch. A.G. Zyriaev. Les. khoz. 17 no.4:28-29 Ap '64.

LECITHIN

Experience in the use of lecithin in the manufacture of oil and alkyd paints. K.M. Gol'dberg and others. Lakokras. mat. i ikh prim. no.1:79-81 '64.

LECTURERS **see subdivision under Aktyubinsk**

LECTURES AND LECTURING

Follow-up of our articles. F.G. Baev. Mezhdunar. zhizn' 11 no.5:160 My '64.

LEG—DISEASES

Angiographic examination of the major arteries of the lower extremities in atherosclerosis. S.G. Dulaev. Zdrav. Bel. 9 no.6:28-30 Je '63.

Intravascular electrocoagulation of dilated subcutaneous varicose veins of the lower extremities. S.M. Musaev. Eksper. khir. i anest. 8 no.4:36-37 Jl-Ag '63.

Late results of the compound treatment of the sequelae of poliomyelitis. V.D. Anchelevich. Ortop., travm. i protez. 24 no.10:24-27 O '63.

Pressure therapy in the compound treatment of obliterative arterial diseases of the lower extremities. N.I. Krakovskii, V.IA. Zolotarevskii. Eksper. khir. i anest. 8 no.4:33-36 Jl-Ag '63.

Some problems in restoration of the weight-bearing capacity of a paralyzed extremity. I.P. Shuliak. Ortop., travm. i protez. 24 no.10:17-23 O '63.

LEG—ULCERS

Hypertensive ulcers of the shin (Martorell's syndrome). O.K. Shaposhnikov, M.I. Krupko. Vest. derm. i ven. 37 no.5:28-30 My '63.

LEGAL INSTRUMENTS

Challenging executable instruments in claim proceedings. E. Lazarev. Sov. iust. 28 no.8:16 Ap '64.

LEGAL RESEARCH

Organizational and scientific forms to perfect Soviet legislation. S.N. Bratus', I.S. Samoshchenko. Sov. gos. i pravo 34 no.4:57-65 Ap '64.

LEGENDRE'S FUNCTIONS

France. Centre national d'études des télécommunications. [Tables of associated Legendre's functions. Translated from the French] Tablitsy prisoedinennykh funktsii Lezhandra; sbornik. Obrabotka tablits i perevod teksta s frantsuzskogo L.S. Bark, M.I. Zhurinoi, L.N. Karmazinoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1962. XVII, 321 p., diagrs., tables. (Biblioteka matematicheskikh tablits, no. 14)
(RPB)

LEGISLATION

(see also subdivision under Germany, West)

Distinguishing between legal acts which have and those which do not have normative character [with summary in English]. A.A. Fedoseev. Vest. LGU 19 no.5:124-130 '64.

Organizational and scientific forms to perfect Soviet legislation. S.N. Bratus', I.S. Samoshchenko. Sov. gos. i pravo 34 no.4:57-65 Ap '64.

Participation of Soviet scholars and scientists in the preparation of legislative enactments by the Committee for Legislative Proposals. S.G. Novikov. Sov. gos. i pravo no.12:56-66 D '63.

LEGISLATIVE BODIES—COMMITTEES **see subdivision under Italy**

LEGUMES

Interrelations between corn and legumes in mixed seedings related to environmental conditions. Chen' Go-pin [Ch'en Kuo-p'ing], V.N. Stepanov. Izv. TSKHA no.1:13-20 '60.

Interrelations between corn and pod-bearing plants grown together. M.B. Razumovich, V.I. Poliashkov. Bot.; issl. Bel. otd. VBO no.5:204-205 '63.

LEGUMINOSAE **see subdivision under Turkmenistan**

LEIPZIG—EXHIBITIONS

Welding equipment from the German Democratic Republic at the 1963 Leipzig Fair. V. Anders. Svar. proizv. no.11:40-44 N '63.

LEIPZIG, BATTLE OF, 1813

A meeting dedicated to the 150th anniversary of the Battle of Leipzig. S.V. Klimova. Ist. SSSR 8 no.2: 238-239 Mr-Ap '64.

LENA VALLEY—DIAMONDS

Diamonds in the northeastern part of the Siberian Platform (Lena Valley diamond-bearing area). B.I. Prokopchuk, V.M. Sergienko, N.V. Makarova. Dokl. AN SSSR 154 no.3:610-612 Ja '64.

LENA VALLEY—PHYTOGEOGRAPHY

Role of soil forming rocks in the distribution of vegetation cover in the Olenek and Lena interfluve. I.I. Buks. Izv. Vses. geog. ob-va 96 no.2:136-139 Mr-Ap '64.

LENA VALLEY—SOIL FORMATION

Role of soil forming rocks in the distribution of vegetation cover in the Olenek and Lena interfluve. I.I. Buks. Izv. Vses. geog. ob-va 96 no.2:136-139 Mr-Ap '64.

LENIN, VLADIMIR IL'ICH, 1870-1924

Andropov, IU.V. **[Leninism lights up our road; report at the festive session dedicated to the 94th anniversary of V.I. Lenin's birth, held in Moscow on April 22, 1964] Leninizm ozariaet nash put'; doklad na torzhestvennom zasedanii v Moskve, posviashchennom 94-i godovshchine so dnia rozhdeniia V.I. Lenina 22 aprelia 1964 goda. Moskva, Politizdat, 1964. 29 p.**

Asking Il'ich for advice.... Nar. obr. no.4:1-6 Ap '64.

Borulia, V.L. **[Days of a great life; sketches and stories on V.I. Lenin] Dni velikoi zhizni; ocherki i rasskazy o V.I. Lenine. [Moskva] "Molodaia gvardiia," 1964. 140 p.**

Decrees enacted under Lenin are the organizational foundations of the school system of higher learning in the U.S.S.R. [with summary in English]. L.A. Shilov. Vest. LGU 19 no.5:94-108 '64.

The depository of the great ideas of Leninism; V.I. Lenin's "Collected Works." G.D. Obichkin, M.IA. Pankratova. Vop. ist. KPSS 8 no.4:15-29 Ap '64.

Elaboration by V.I. Lenin of the problems of scientific communism [with summary in English, p. 185]. IU.P. Frantsev. Vop. filos. 17 no.12:3-15 '63.

F. Engels and the beginning of V.I. Lenin's revolutionary activities. K.L. Seleznev. Ist. SSSR 8 no.2:24-32 Mr-Ap '64.

Following the leader's advice. A. Adylov. Part. zhizn' [Uzb.] 7 no.4:36-38 Ap '64.

Fotieva, L.A. **[Recollections on V.I. Lenin, from December 1922 to March 1923] Iz vospominanii o V.I. Lenine (dekabr 1922 g.-mart 1923 g.). Moskva, Politizdat, 1964. 79 p.**

From the history of V.I. Lenin's correspondence with the social democratic organizations in the Ukraine; 1901-1905. N.R. Donii, M.I. Gorbunova. Vop. ist. KPSS 8 no.5:39-46 My '64.

LENIN, VLADIMIR IL'ICH, 1870-1924 (Continued)

A great example in the solving of the nationality question. A.Erzhanov. Part.zhizn' Kazakh. 34 no.4:65-69 Ap '64.

A great life. V mire knig 3 no.7:2 of cover-1 Jl '63.

Greatness of Leninist ideas. Sov.iust. 28 no.8:1-3 Ap '64.

Il'ich and the children from Shushenskoye. P.Voitik. Sem'ia i shkola 19 no.1:8-9 Ja '64.

Interesting and instructive. Komm.Bel. 38 no.4:79-80 Ap '64.

Kulichenko, M.I. [V.I. Lenin and the Kharkov Bolshevik Organization, 1895-1917] V.I. Lenin i Khar'kovskaia bol'shevistskaia organizatsiia, 1895-1917 gg. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 261 p.
(MH)

Lenin and space. L.Ekonomov. Kryl.rod. 15 no.4:4-5 Ap '64.

Lenin in the workers' groups of Petersburg, 1893-1895. F.I.Opalikhin. Izv.LETI no.40:26-49 '60.

Lenin on communist morals. M.I.Kondakov. Sov.pedag. 28 no.4:134-136 Ap '64.

Lenin on economics. L.Leont'ev. Vop.ekon. no.4:3-21 Ap '64.

Lenin on irrigation farming. V.Dmitriev. Ekon.sel'khoz. 35 no.4:12-16 Ap '64.

Lenin, V.I. [Complete works] Polnoe sobranie sochinenii Izd.5. Moskva, Politizdat.
Vol.45. [March 1922-March 1923] Mart 1922-mart 1923. 1963. 729 p.

Leninism is our methodological combat weapon. Vop.filos. 18 no.4:3-15 '64.

The Leninist principle of peaceful coexistence is the basis of economic cooperation. V.Kadyshev. Vnesh.torg. 44 no.4:4-7 '64.

The Leninist principles of planning. B.Elisavetskii. Nar.khoz.Sred.Az. 1 no.4:15-21 Ap '64.

Lenin's opinions on the supreme principle of the dictatorship of the proletariat. V.A.Gol'neva. Izv.LETI no.40:67-79 '60.

Lenin's theory of socialist revolutions and its further development. N.Kolbenkov. Komm.Bel. 38 no.4:27-32 Ap '64.

Leont'ev, L.A. [Leninist studies of imperialism] Leninskoe issledovanie imperializma. Moskva, Izd-vo "Nauka," 1964. 371 p.

Love of the people. V.Gavrilova. Sov.voin 46 no.2:18 Ja '64.

Moscow. Aviatsionnyi institut imeni Sergo Ordzhonikidze. [Development of the theory of Marxism by V.I. Lenin; some problems of philosophy, economics, and the history of the CPSU] Razvitie V.I. Leninym teorii marksizma; nekotorye voprosy filosofii, politekonomii i istorii KPSS; sbornik statei pod red. A.A.Voronovicha, N.A. Kokareva i D.M.Troshina. Moskva, 1962. 264 p.
(MH)

New meeting with Lenin. M.Konstantinov. V mire knig 3 no.7:4 Jl '63.

A new step elaborating on the Leninist philosophical legacy. V.V.Keshelava. Vop.filos. 18 no.3:158-162 '64.

People, events, dates.... Komm.Bel. 38 no.4:74-76 Ap '64.

Reminiscences on V.I.Lenin. P.A.Kuz'ko. Vop.ist.KPSS 8 no.4:84-88 Ap '64.

Significance of Lenin's ideas for the criticism of present-day positivism. B.V.Akhlibininskii. Izv.LETI no.40:154-166 '60.

The story of a telegram. A.L.Fleishman. Ist.SSSR 8 no.2:125-126 Mr-Ap '64.

Triumph of the immortal Leninist ideas. Part.zhizn' Kazakh. 34 no.4:5-8 Ap '64.

Two encounters with V.I.Lenin. P.N.Solonko. Vop.ist.KPSS 8 no.4:88-90 Ap '64.

Under the banner of Lenin's foreign policy. A.I.Stepanov. Ist.SSSR 8 no.2:157-163 Mr-Ap '64.

V.I.Lenin and the literature on the October Revolution and Soviet rule. A.G.Chernykh. Ist.SSSR 8 no.2:3-13 Mr-Ap '64.

V.I.Lenin and the Marxist periodical "Rabotnik." P.A.Fenster. Ist.SSSR 8 no.2:104-112 Mr-Ap '64.

V.I.Lenin and the peoples of the East; based on materials in the Lenin Museum in the Kremlin. Z.A.Subbotina. Ist.SSSR 8 no.2:221-225 Mr-Ap '64.

V.I.Lenin and the Proletkult. L.F.Denisova. Vop.filos. 18 no.4:49-59 '64.

V.I.Lenin and the rehabilitation of oil fields in Kazakhstan, 1919-1920. K.E.Temirgaliev. Ist.SSSR 8 no.2:14-23 Mr-Ap '64.

V.I.Lenin and the Russian-American industrial cooperation. L.I.Prokova. Vop.ist.KPSS 8 no.4:63-66 Ap '64.

V.I.Lenin and the transition to the New Economic Policy. E.B.Genkina. Vop.ist. 39 no.5:3-27 My '64.

V.I.Lenin as the greatest philosopher, leader and man. V.I.Maznin. Izv.LETI no.40:5-25 '60.

V.I.Lenin on bureaucratism and the struggle against it. V.I.Filatov, E.M.Filatova. Vop.filos. 18 no.4:38-48 '64.

V.I.Lenin on forms of state capable of a socialist solution of the nationality problem. E.V.Tadevosian. Vop.filos. 18 no.4:27-37 '64.

V.I.Lenin on the effectiveness of Soviet laws. P.M.Rabinovich. Sov.gos.i pravo 34 no.4:47-56 Ap '64.

V.I.Lenin on the fundamental postulates of socialist economic planning. G.I.Khaidas. Sov.gos.i pravo 34 no.4:36-46 Ap '64.

V.I.Lenin on the historical significance of the First International. Vop.ist.KPSS 8 no.4:3-14 Ap '64.

V.I.Lenin on the role of mechanization and electrification in the socialist development of agriculture. A.P.Veselov. Izv.LETI no.40:80-95 '60.

V.I.Lenin's elaboration of the plan for building socialism in the U.S.S.R. V.IA.Zevin. Vop.ist.KPSS 8 no.5:49-58 My '64.

Varlamov, K.I., and N.A. Slamikhin. [Unmasking of the theory and tactiques of "leftist communists" by V.I.Lenin, November 1917 to 1918] Razoblachenie V.I. Leninym teorii i taktiki "levykh kommunistov," (noiabr' 1917 g. -1918 g.). Moskva, Izd-vo 'Mysl'," 1964. 414 p.

Vladimir Il'ich Lenin and the Navy. V.Bonch-Bruevich. Voen.-ist.zhur. 6 no.4:3-19 Ap '64.

With Lenin in heart. Nar.khoz.Sred.Az. 1 no.4:4-7 Ap '64.

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY
see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

Kunetskaia, L.I., and Z.A.Subbotina. [Visiting places where Lenin lived and worked in the Kremlin] Po Leninskim mestam Kremlia. [Moskva] Mosk. rabochii, 1964. 102 p.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC.

History of the search for V.I.Lenin's Cracow-Poronino Archives. S.M.Gribkova. Ist.SSSR 8 no.2:78-87 Mr-Ap '64.

Organization of V.I.Lenin's archives, 1912-1922. V.A.Liubisheva. Vop.ist.KPSS 8 no.4:109-112 Ap '64.

LENIN IN LITERATURE AND ART

The Bel'sk novellettes. P.Dudochkin. Sov.profsoiuzy 20 no.7:10-11 Ap '64.

Great image. A.Chernov. Sov.profsoiuzy 20 no.7:12 Ap '64.

Il'ich's animated features. V.Sidorov. Sov.profsoiuzy 20 no.7:8-9 Ap '64.

Image of the leader of the revolution in art. E.A.Polishchuk. Nach.shkola 32 no.1:7-11 Ja '64.

[Lenin in Ukrainian art; paintings, sculpture, graphic works, posters] Lenin v Ukrains'komu mystetstvi; zhyvopis, skul'ptura, grafika, plakat. [Kyiv] Derzh. vyd-vo "Mystetstvo," [1963, 2] p. plates.

LENIN PRIZES

The beauty of the spiritual world. I.Vasil'ev. V mire knig 3 no.7:21-22 Jl '63.

Lenin Peace Prize awards. Nov.vrem. 21 no.10:5 My '64.

LENINGRAD—ART GALLERIES AND MUSEUMS

Artamonov, M.I., and V.F.Levinson-Lessing, eds. [The State Hermitage; 17th to 18th century paintings] Gosudarstvennyi Ermitazh; zhivopis' XVII-XVIII vekov. Praga, Artiia, Leningrad, Izd-vo Gos. Ermitazha [n.d.] v-xxx, 95 p. illus.

LENINGRAD—BAKERIES—TECHNOLOGICAL INNOVATIONS

Zbarskii, N.A., ed. [Technical innovations in Leningrad bakeries; survey] Tekhnicheskie usovershenstvovaniia na Leningradskikh khlebozavodakh; obzor. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 59 p. (Seriia: Khlebopekarnaia promyshlennost')
[MICROFILM]

LENINGRAD—BALLET

"Distant planet," V.Vanslov. Sov.muz. 27 no.11:63-66 N '63.

LENINGRAD—CANCER

Dispensary service for oncological patients in Leningrad [with summary in English]. V.N.Demin. Vest.khir. 90 no.5:65-68 My '63.

LENINGRAD—CENSUS

Age aggregates of the population of the city of Leningrad according to censuses before and after the revolution. T.S.Batalina. Prim.mat.v ekon. no.2:100-127 '64.

LENINGRAD—COMPOSERS

For creative friendship. S.Slonimskii. Sov.muz. 27 no.11:23-30 N '63.

LENINGRAD—CONSERVATORIES OF MUSIC

Leningrad. Gosudarstvennaia konservatoriia. [From the history of the Leningrad Conservatory; materials and documents, 1862-1917] Iz istorii Leningradskoi konservatorii; materialy i dokumenty, 1862-1917. Leningrad, Muzyka, 1964. 327 p.

On the 100th anniversary of the Leningrad Conservatory. N.Fishman. Sov.muz. 27 no.11:139-143 N '63.

LENINGRAD—COURTS

Conference of Leningrad lawyers. V.Marukhin. Sov.iust. 28 no.9:17-19 My '64.

LENINGRAD—DEFENSE (CRIMINAL PROCEDURE)

Participation of the defense in preliminary inquiry. A.Kaliaev. Sov.iust. 28 no.9:16-17 My '64.

LENINGRAD—DISINFECTION AND DISINFECTANTS

Zmeev, G.IA., ed. [Practical disinfection; the Leningrad system of handling epidemic focuses from a single center] Prakticheskaia dezinfektsiia; Leningradskaia sistema obsluzhivaniia epidochagov iz odinogo tsentra. [Leningrad] Izd-vo "Meditsina," 1964. 191 p. (Biblioteka prakticheskogo vracha)
(DNLM)

LENINGRAD—EPIDEMIOLOGY

Data on the microbiological and immunological characteristics of parapertussis in Leningrad [with summary in English]. N.N.Skliarova. Zhur.mikrobiol., epid.i immun. 40 no.9:36-42 S '63.

LENINGRAD—HOSPITALS—OUTPATIENT SERVICES

Dispensary service for oncological patients in Leningrad [with summary in English]. V.N.Demin. Vest.khir. 90 no.5:65-68 My '63.

LENINGRAD—INDUSTRIAL MANAGEMENT

Economic work is in the first place. P.Maiskii. Fin.SSSR 38 no.3:65-72 Mr '64.

Introduction of the operational accounting for the costs of production in the Leningrad Macaroni Factory. V.P.Burchuladze, L.D.Kulikova, B.A.Sosnovskii. Khleb.i kond.prom. 8 no.4:36-37 Ap '64.

LENINGRAD—INDUSTRIES

Leningrad. Gosudarstvennyi arkhiv Oktiabr'skoi revoliutsii i sotsialisticheskogo stroitel'stva. [Reestablishment and beginning of the reconstruction of industry in Leningrad, 1921-1928; documents and materials] Vosstanovlenie i nachalo rekonstruktsii promyshlennosti Leningrada, 1921-1928 gg.; dokumenty i materialy. Sost. E.I.Zisel'son. Pod red. S.I.Tiul'panova i L.A. Shilova. Leningrad, Izd-vo Leningr. univ., 1963- 1 v.
(CaOTU)

LENINGRAD—INSURANCE, SOCIAL

Initiators of a great beginning. N.Rulev, S.Smirnov. Sots.obesp. 25 no.4:14-18 Ap '64.

LENINGRAD—LABOR AND LABORING CLASSES

The Communists in Leningrad in the struggle for the socialist reorganization of agriculture from 1925 to 1930. E.A.Sultanova. Vop.ist.KPSS 8 no.5:102-106 My '64.

Lenin in the workers' groups of Petersburg, 1893-1895. F.I.Opalikhin. Izv.LETI no.40:26-49 '60.

LENINGRAD—LIBRARIES, CHILDREN'S

Let's teach them to use libraries. M.Gubanova. Nar.obr. no.5:63-64 My '64.

LENINGRAD—OPERA

Away with darkness. M.Grigor'ev. Sov.muz. 27 no.11:59-63 '63.

LENINGRAD—OPERETTA

Posters of operetta theaters. M.IAnkovskii. Sov.muz. 27 no.11:66-73 N '63.

LENINGRAD—ORTHOPEDIC APPARATUS INDUSTRY

Volunteer construction offices. P.Semidetova. Sots.obesp. 25 no.4:47-48 Ap '64.

LENINGRAD—PAINTINGS

Artamonov, M.I., and V.F.Levinson-Lessing, eds. [The State Hermitage; 17th to 18th century paintings] Gosudarstvennyi Ermitazh; zhivopis' XVII-XVIII vekov. Praga, Artiia, Leningrad, Izd-vo Gos. Ermitazha [n.d.] v-xxx, 95 p. illus.

LENINGRAD—PHARMACOGNOSY—STUDY AND TEACHING

Results of carrying out summer school practical studies in pharmacognosy in the Leningrad Pharmaceutical School. V.N.Karpovich. Apt.delo 11 no.5:60-61 S-O '62.

LENINGRAD—PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

Participation of the defense in preliminary inquiry. A.Kaliaev. Sov.iust. 28 no.9:16-17 My '64.

LENINGRAD—PUBLIC PROSECUTORS

Conference of Leningrad lawyers. V.Marukhin. Sov.iust. 28 no.9:17-19 My '64.

LENINGRAD—REVOLUTION, 1917-1921

Amelin, G.K. [The Petrograd Military Revolutionary Committee and its role in the consolidation and protection of the conquests of the Great October Socialist Revolution from October to December 1917] Petrogradskii Voenno-revoliutsionnyi komitet i ego rol' v zakreplenii i okhrane zavoevanii Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; oktiabr' - dekabr' 1917 goda. Moskva, Vses. iurid. zaochnyi in-t, 1963. 41 p.

LENINGRAD—ROOFS, SHELL

[illegible] V. Golovinskii. Stroi. i arkhit. 11 [illegible]

LENINGRAD—SALESMEN AND SALESMANSHIP

[illegible] V. Ietedinskaia. Sov. prof- [illegible] Ap '64.

LENINGRAD—SCIENCE—METHODOLOGY

[illegible] by Leningrad scientists. [illegible], I.I.Leiman. Vest.AN SSSR 34 no.1: [illegible]

LENINGRAD—SHOE INDUSTRY

[illegible] of the Shoe Combine in Leningrad. [illegible] 6 no.2:23 F '64.

LENINGRAD—SIEGE, 1941-1944

[illegible] comrades, about battles and fires.... [illegible] no.4:17-18 Ap '64.

[illegible] impressions of the heroes of Leningrad. [illegible] 26 no.12:28-30 '63.

[illegible].... Elizaveta Sharypina. Sov.voin 46 [illegible] '64.

[illegible] days. Mikhail Skorokhodov. Sov. [illegible] 17 Ja '64.

[illegible] of their fathers.... A.Kochetkov. Sov.voin [illegible] 2:10-12 Ja '64.

[illegible] of the people of Leningrad. M.I.Kazakov. [illegible] 46 no.2:4-5 Ja '64.

LENINGRAD—SOCIAL SCIENCE RESEARCH

[illegible] a case study on the attitude to work. [illegible], V.A.IAdov. Vop.filos. 18 no.4: [illegible] '64.

LENINGRAD—SOCIOLOGY—STUDY AND TEACHING

[illegible] in the University of Petrograd, 1920-1924 [with summary in English]. V.I.Klushin. Vest.LGU 19 no.5:72-81 '64.

LENINGRAD—SONGS

Our song today. I.Zemtsovskii. Sov.muz. 27 no.11:42-46 N '63.

LENINGRAD—SPACE FLIGHT TRAINING

[illegible]." M.Semenov. Kryl.rod. 15 no.4: [illegible] Ap '64.

LENINGRAD—SYMPHONY ORCHESTRAS

The first peoples... S.Dovydov. Sov.muz. 27 no.11: [illegible] N '63.

Story about an orchestra. IU.Vainkop. Sov.muz. 27 no.11:34-37 N '63.

LENINGRAD—TAXATION

Economic work is in the first place. P.Maiskii. Fin. SSSR 38 no.3:65-72 Mr '64.

LENINGRAD—TECHNOLOGICAL INNOVATIONS

Who will take the risk? P.Masorin. Izobr.i rats. [illegible] '64.

LENINGRAD—TRACTOR INDUSTRY

Justified confidence. A.Churinov. NTO 6 no.4:25-27 Ap '64.

LENINGRAD—UNDERGROUND STRUCTURES—CATHODIC PROTECTION

Simultaneous protection of some underground metal equipment in the city of Leningrad from corrosion by stray currents. G.M.Malamud. Gaz.delo no.3: 28-30 '64.

LENINGRAD—VENEREAL DISEASES—HOSPITALS

The role of the V.M.Tarnovskii Hospital in the development of Russian venereology and dermatology; on the 200th anniversary of the Kalinkino Hospital. P.V. Kozhevnikov, M.A.Frolova. Vest.derm.i ven. 37 no.5:62-68 My '63.

LENINGRAD—WHOOPING COUGH—MICROBIOLOGY

Data on the microbiological and immunological characteristics of parapertussis in Leningrad [with summary in English]. N.N.Skliarova. Zhur.mikrobiol., epid i immun. 40 no.9:36-42 S '63.

LENINGRAD PROVINCE—AGRICULTURAL MACHINERY

Problems of the complex of tillage machines for the northwestern zone of the R.S.F.S.R. M.G.Doganovskii. Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz. no.5:108-136 '63.

LENINGRAD PROVINCE—FOREST REPRODUCTION

Artificial regeneration of valuable species by using large seedlings without tillage and care of soil. A.V. Preobrazhenskii. Les.khoz. 17 no.4:39-43 Ap '64.

LENINGRAD PROVINCE—HISTORY, MILITARY

Karaev, G.N., IU.N.IAblochkin, and T.I.Vorob'ev. [Through places of battle glory; Leningrad and Leningrad Province] Po mestam boevoi slavy; Leningrad i Leningradskaia oblast'. [Leningrad] Lenizdat, 1963. 466 p.

LENINGRAD PROVINCE—MEDICINE, RURAL

Rural workers should be given continual care. A.Sergeeva. Sots.obesp. 23 no.4:22-24 Ap '64.

LENINGRAD PROVINCE—PASTURES AND MEADOWS

Successive changes of some meadow associations. I.V. Syrokomskaia. Bot.zhur. 49 no.4:599-602 Ap '64.

LENINGRAD REGION—FORESTS AND FORESTRY

Architectural and artistic role of the types of forests. S.IA.Sokolov. Biul.Glav.bot.sada no.48:25-32 '63.

LENINGRAD REGION—GEOLOGY—STUDY AND TEACHING

Kadenskii, A.A. [Geological excursions in the surroundings of Leningrad; textbook on geological field work] Geologicheskie ekskursii v okrestnostiakh Leningrada; uchebnoe posobie po polevoi geologicheskoi praktike. Leningrad, Leningr. gos. pedagog. in-t, 1963. 190 p.

LENINOGORSK—AFFORESTATION

Wizard of green ornamentation. S.Aleinikov. Nar.khoz. Kazakh. 22 no.4:60 Ap '64.

LENINOGORSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Don't lose a single day! M.Ural'skii. Nar.khoz.Kazakh. 22 no.4:8-10 Ap '64.

LENINOGORSK—COMMUNIST PARTY OF THE SOVIET UNION

Temporary commission of a city party committee. A.Abramovskii. Part.zhizn' Kazakh. 31[i.e.32] no.8:29-32 Ag '62.

LENINOGORSK—INDUSTRIAL MANAGEMENT

The bureau of economic analysis works efficiently. A.Travinskii. Den.i kred. 22 no.3:48-50 Mr '64.

LENINOGORSK—LEAD INDUSTRY

Joys and grief of the secretary of a party organization. I.Sutushko. Part.zhizn' Kazakh. 34 no.3:65-67 Mr '64.

LENINOGORSK DISTRICT—GOITER

Some problems in the clinical picture of endemic goiter in the Leninogorsk District of the Tatar A.S.S.R. L.V.Danovskii. Kaz.med.zhur. no.6:17-19 N-D '62.

LENINOGORSK REGION—MINING INDUSTRY

If there is less hindrance and lack of coordination. I.Lobyntsev. Nar.khoz.Kazakh. 22 no.4:73-74 Ap '64.

LENINSKIY DISTRICT (MOSCOW PROVINCE)—FARM MANAGEMENT

Each hectare should be utilized fully. A.Antonov. Sov. profsoiuzy 20 no.7:4-5 Ap '64.

LENINSKIYE GORKI see **Gorki Leninskiye**

LENKORAN LOWLAND—QUINCE

Quince under natural conditions of the Lenkoran-Astara zone of Azerbaijan. S.A.Kiazimov. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.6:23-30 '63.

LENKORAN LOWLAND—TEA—FERTILIZERS AND MANURES

Relation between the various forms of nitrogen and the quality of green tea leaf. A.T.Mirzoian. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.6:35-39 '63.

LEPESHINSKII, PANTELEIMON NIKOLAEVICH, 1868-1944

Bulatskii, G.V. [Soldier of Lenin's guards; a sketch of the life and work of P.N.Lepeshinskii] Leninskoi gvardii soldat; ocherk o zhizni i deiatel'nosti P.N. Lepeshinskogo. Minsk, Belarus', 1963. 310 p. (MH)

LEPROSY RESEARCH

Tasks of scientific research in the field of leprosy [with summary in English]. V.K.Loginov. Vest.derm.i ven. 37 no.5:41-45 My '63.

LEPTOSPIROSIS

Experimental and epidemiological studies on leptospirosis in birds; annotation. Z.M.Bialik. Zhur.mikrobiol., epid.i immun. 40 no.4:57 Ap '63.

LETTUCE

Possibility of using gibberellin to increase the yield of lettuce. V.A.Raspevin. Nauch.dokl.vys.shkoly; biol. nauki no.2:146-150 '64.

LEUCOCYTES

Calculation of erythrocytes and leucocytes in the blood with the aid of celloscope. R.P.Zolotnitskaia. Lab. delo 8 no.7:14-15 Jl '62.

Dynamics of some peripheral blood indices and daily excretion of 17-ketosteroids with the urine of healthy children under the effect of a single administration of ACTH. P.D.Kats, S.A.Dzhafarova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1:109-115 '63.

Effect of desoxycorticosterone acetate on the phagocytic activity of leucocytes in children with intestinal toxicosis [with summary in English]. E.I.Sukmanskaia. Pediatriia 42 no.9:82-85 S '63.

Method of determining the osmotic resistance of leucocytes. A.N.Senenko. Lab.delo 8 no.7:9-14 Jl '62.

LEUCOSIS

Intracellular synthesis of leucosis and sarcoma viruses in birds. V.A.Parnes. Usp.sovr.biol. 56 no.3:431-441 '63.

LEUKEMIA

Characteristics of the course of chronic leukemia. T.I. Sedykina, N.F.Sokolova. Zdravookhranenie 7 no.1: 56-58 Ja-F '64.

Clinical hematological diagnosis of leukemia in cattle. B.B.Ermolaev. Veterinariia 40 no.10:63-65 O '63.

Diagnosis of leukemia in cattle. G.A.Simonian. Veterinariia 40 no.10:65-67 '63.

Sanitary and veterinary inspection of the meat and organs of cattle affected by leukemia. V.Fedorov. Mias.ind. SSSR 34 no.6:17-19 '63.

Skin lesions in chronic lympholeucosis. I.I.Pototskii. Vest.derm.i ven. 37 no.5:3-7 My '63.

LEVEL (SURVEYING INSTRUMENT) see subdivision under **Kazakhstan**

LEVEL INDICATORS

Level indicator for free-flowing materials. M.B.Elinger, Z.A.Agas'iants, M.N.Gorbovets. Khim.i neft.mashinostr. 8 no.3:32-34 Mr '64.

Level indicator with remote adjustment. V.I.Litvak. Priborostroenie no.4:16-17 Ap '64.

A new device for indicating the level of grain. I.F. Borodin, E.L.Kochetova. Elektrotekhnika 35 no.3: 29-31 Mr '64.

LEVEL INDICATORS FOR LIQUIDS see **Liquid level indicators**

LEVELING

Viduev, N.G., and V.P.Grzhibovskii. [Geodetic projecting of vertical leveling] Geodezicheskoe proektirovanie vertikal'noi planirovki. Moskva, Izd-vo "Nedra," 1964. 250 p.

LEVELLERS

Automatic control of the leveller as a means for the artificial lengthening of its base. E.E.Nemirovskii. Transp.stroi. 13 no.11:55-57 N '63.

LEVITAN, ISAAK IL'ICH, 1860-1900

Levitan, I.I. [Isaak Il'ich Levitan; an album of reproductions] Isaak Il'ich Levitan; al'bom reproduktsii. [Moskva] Gos. izd-vo izobr. iskus., 1963. 11 p. 24 plates.

LIABILITY (LAW)

Limits of the liability of collective farmers for loss caused to their farms. M.V.Storazhan. Vesti AN BSSR.Ser.hram.nav. no.1:50-60 '64.

LIBEROV, PETR DMITRIEVICH, 1904-

On Petr Dmitrievich Liberov's 60th birthday. E.I. Krupnov. Sov.arkheol. 8 no.2:60-61 '64.

LIBRARIANS

Be proud of your profession. G.Chudova. Bibliotekar' no.5:45-48 My '64.

LIBRARIES
(see also subdivision under **Kishinev**)

Improving the skill of workers in district libraries. I.TSaregradskii. Bibliotekar' no.5:35-40 My '64.

In a few lines. Bibliotekar' no.5:62 My '64.

Under conditions existing in a large district. L.Novosel'tseva. Bibliotekar' no.5:41-42 My '64.

LIBRARIES—BIBLIOGRAPHY see **Bibliography—Libraries**

LIBRARIES—REFERENCE DEPT.

Moscow. Publichnaia biblioteka. [Conference on reference and bibliographic work, January 23-25, 1961; materials] Soveshchanie po spravochno-bibliograficheskoi rabote, 23-25 ianvaria 1961 g.; sbornik materialov. Moskva, 1962. 216 p. (NNC)

LIBRARIES, CHILDREN'S see subdivision under **Karaganda; Leningrad; Moldavia**

LIBRARIES AND READERS

Duty of all libraries. B.Dachaldin, L.Zaderman. Bibliotekar' no.5:13-17 My '64.

Improve hygiene. E.Vasil'eva. Bibliotekar' no.5:51-53 My '64.

In order that there may not be a repetition. I.Golota. Bibliotekar' no.5:21-22 My '64.

Our most important task. I.Ivaneev. Bibliotekar' no.5:17-18 My '64.

The readers profited. Bibliotekar' no.5:49-51 My '64.

This inspires work, adorns life, and ennobles man. N.Bessonova. Bibliotekar' no.5:23-25 My '64.

To every young worker. E.Sazonova. Bibliotekar' no.5:19-21 My '64.

LIBRARY CATALOGS

Start from concrete conditions. V. IArtsev. Bibliotekar' no. 5:56-57 My '64.

LIBRARY CONFERENCES

Librarian's week. N. Kalashnikova, S. Babintsev. Bibliotekar' no. 5:43-44 My '64.

LIBRARY SCIENCE—BIBLIOGRAPHY see Bibliography—Library Science

LICHEN PLANUS

Blood serum protein fractions in eczema and neurodermatitis [with summary in English]. G.P. Tret'iakov. Vest. derm. i ven. 37 no. 5:16-20 My '63.

LICHENS

(see also subdivision under Azerbaijan)

Constancy of algae as a component of the thallus of certain lichens of the suborder Coniocarpineae [with summary in English]. O.H. Roms. Ukr. bot. zhur. 20 no. 5: 57-60 '63.

LICORICE

Chalcone glycosides of Glycyrrhiza glabra L. V.I. Litvinenko. Dokl. AN SSSR 155 no. 3:600-602 Mr '64.

LIE ALGEBRAS

Group classification of algebraic equations according to the properties of their roots. L.M. Markhashov. Prikl. mat. i mekh. 28 no. 2:221-231 Mr-Ap '64.

LIFE—ORIGIN

Conference on the problem of the origin of life in the universe. E.L. Ruskol. Vop. kosm. 9:263-264 '63.

LIGHT—PHYSIOLOGICAL EFFECT

Metaboly and immobilization of the cells of Euglena gracilis Klebs in relation to the type of nutrition and illumination. L.K. Lozina-Lozinskii, E.I. Zaar. TSitologiia 5 no. 3:263-272 My-Je '63.

LIGHT—SCATTERING

Light scattering as a method for studying polymers. V.E. Eskin. Usp. fiz. nauk 82 no. 4:649-705 Ap '64.

Scattering of light, fluorescence, and transient phenomena. P.P. Shorygin, L.L. Krushinskii. Dokl. AN SSSR 154 no. 3:571-574 Ja '64.

LIGHTING see subdivision under Prague

LIGHTING, ARCHITECTURAL AND DECORATIVE

Determination of the q coefficient in the calculation of natural lighting. A.L. Selastel'nikov. Svetotekhnika 10 no. 1:28 Ja '64.

LIGHTWEIGHT CONCRETE

Efficient means of the overall utilization of ash from electric power plants. N.A. Popov, I.A. Ivanov. Stroi. mat. 9 no. 8:5-8 Ag '63.

Fire resistant perlitic concrete. M.F. Sukharev, I.L. Maizel'. Stroi. mat. 9 no. 8:24-27 Ag '63.

Spivak, N. IA. [Large-panel enclosing structures of lightweight concrete made with porous aggregates] Krupnopanel'nye ograzhdaiushchie konstruktsii iz legkikh betonov na poristykh zapolnitoliakh. Moskva, Stroiizdat, 1964. 222 p.

LIGHTWEIGHT CONCRETE—THERMAL PROPERTIES

Lightweight heat-resistant acidproof perlite concrete. I.L. Maizel'. Stroi. mat. 10 no. 4:8-10 Ap '64.

LIGNITE—ANALYSIS see subdivision under Kavak Basin

LILLIES OF THE VALLEY—THERAPEUTIC USE

Cardiac glycoside from Convallaria keiskei Miq. Report No. 3. N.F. Komisarenko, V.T. Chernobai, D.G. Kolesnikov. Med. prom. 17 no. 9:7-9 S '63.

LIME

Controlling the quality and keeping records of crushed stone (gravel) and lime. Biul. stroi. tekh. 20 no. 11: 27-29 N '63.

Mukhortov, I.D. [Air-hardening lime for finishing buildings] Vozdushnaia izvest' v otdelke zdanii. Moskva, Izd-vo MKKh RSFSR, 1964. 60 p.

Producing lime from the carbonate rocks of the oil shale interlayers of the Gdov field. IU.D. Motin, I.M. Ozerov. Trudy VNIIT no. 11:179-188 '62.

LIME—TESTING

Kilning fine lime in a shaft kiln. A.N. Mochalov. Stroi. mat. 10 no. 1:37-38 Ja '64.

LIME, CHLORIDE OF

Effectiveness of the use of a 1% solution of calcium chloride in preoperative preparation in suppurative diseases of the lungs. G.M. Kerimov, I.G. Gurbanaliev. Khirurgiia no. 1:95-100 '63.

LIME KILNS

Kilning fine lime in a shaft kiln. A.N. Mochalov. Stroi. mat. 10 no. 1:37-38 Ja '64.

LIMESTONE

Mechanized quarrying of limestone. N.A. Vasil'kovskii, A.I. Ushakov. Mekh. i avtom. proizv. 18 no. 5:28-29 My '64.

Results of the experimental exploitation and testing of limestone of the Tournai stage in the Bavly field. I.G. Poluian and others. Nefteprom. delo no. 10:8-13 '63.

LIMING OF SOILS see subdivision under Peternieki region (Latvia); Vologda Province

LIMIT THEOREMS (PROBABILITY THEORY)

Some limit theorems for additive functionals of a sequence of sums of independent random variables [with summary in English]. N.P. Slobodeniuk. Ukr. mat. zhur. 16 no. 1:41-60 '64.

LIMITATION OF ACTIONS

Problems connected with barring a conviction due to lapse of time or annulment. V. Demin. Sov. iust. 28 no. 9:6-7 My '64.

LIMNOLOGICAL RESEARCH see subdivision under Baikal, Lake

LIMNOLOGY

Annual Meeting of the Association of International Cooperation on the Limnological Study of the Danube. V.I. Zhadin. Vest. AN SSSR 34 no. 2:107-109 F '64.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR PROGRAMMING

Calculating an optimal plan for regional oil production by the simplex method. V.P. Kaufman, M.G. Danelian, R.A. Akopian. Izv. vys. uch. zav.; neft' i gaz 5 no. 9: 105-110 '62.

Linear programming and the centralized delivery of goods. K. Filatov and others. Sov. torg. 37 no. 4:14-17 Ap '64.

Mathematical models for the structure of planting acreage on a farm. V.A. Kardash. Prim. mat. v ekon. no. 2: 94-99 '64.

Planning the delivery of rock aggregates with the aid of electronic calculating machines. A.M. Kibrik, S.A. Panov. Stroi. mat. 10 no. 1:12-15 Ja '64.

Possibilities of using the distribution method of linear programming for solving operations and economic problems in mine construction. G.V. Surmilo, S.M. Rabinovich. Shakht. stroi. 7 no. 12:10-14 D '63.

Set of optimal solutions to the problem of linear programming. IE.IA. Remez. Dop. AN URSR no. 3:291-293 '64.

LINOLEUM

Substitute for tung oil in the manufacture of glyptal linoleum. N.P. Konshin. Masl.-zhir. prom. 30 no. 3:37-38 Mr '64.

LIPID METABOLISM

Estrogens and their protective role in metabolic processes M.F. Marezhinskii. Zdrav. Bel. 9 no. 6:13-15 Je '63.

LIPIDS

Effect of corn oil ingested with food on the level of some blood lipids. A.A. Velichko. Vop. pit. 21 no. 5:37-41 S-O '62.

Effect of vitamin E on lipoids and blood coagulability in patients with atherosclerosis [with summary in English]. IU.P. Nikitin. Vop. pit. 21 no. 6:22-27 N-D '62.

Salt tolerance of the cells of ciliated epithelium of rats differing in their qualitative composition of lipids. T.A. Shliakhter. TSitologiia 5 no. 3:331-332 My-Je '63.

LIPOLYSIS

Methodology of examining the lipolytic activity of the blood serum, urine and duodenal contents. V.A. Protsenko, N.G. Plotnikova. Lab. delo no. 5:288-291 '64.

LIPOPROTEINS

Diagnostic significance of determining lipoproteins in the blood serum in Botkin's disease. L.L. Deliamure. Lab. delo no. 3:141-145 '64.

Incorporation of 4C^{14}-labeled cholesterol into lipoprotein fractions of the blood serum in atherosclerosis [with summary in English]. A.P. Golikov. Med. rad. 8 no. 5:44-47 My '63.

Lipo- and glycoproteins of the blood serum in various variants of the course of Botkin's disease in comparison with liver function tests and morphological changes in the liver [with summaries in Tajik and English]. I.D. Mansurova, V.I. Dronova, M.S. Panasenko. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:87-107 '62.

LIPS—SURGERY

Causes of residual deformations following operations on congenital cleft of the upper lip and methods of their elimination. M.P. Oskolkova. Trudy TSIU 64:91-96 '63.

Time factor in operative interventions in residual deformations of the upper lip and nose following operations on congenital cleft of the upper lip. M.P. Oskolkova. Trudy TSIU 64:97-100 '63.

LIQUEFIED GASES—STORAGE

Ivantsov, O.M. [Underground storage of liquefied hydrocarbon gases] Podzemnoe khranenie szhizhzhennykh uglevodorodnykh gazov. Izd. 2., perer. i dop. Moskva, "Nedra," 1964. 145 p.

LIQUEFIED PETROLEUM GAS

Determining efficient utilization of liquefied gases. M.B. Ravich. Gaz. delo no. 11:48-50 '63.

Urevich, A.L. [Use of liquefied gas in construction] Ispol'zovanie szhizhennykh gazov v stroitel'stve. Minsk, Nauchno-tekhn. ob-vo energeticheskoi promyshl., 1963. 38 p.

[MICROFILM]

Use of liquefied gases in the national economy of the U.S.S.R. D.A. TSvetkov. Gaz. delo no. 11:42-47 '63.

LIQUEFIED PETROLEUM GAS—TRANSPORTATION

Gas mixing in consecutive pumping. M.V. Nechval', V.S. IAblonskii. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 12:75-80 '63.

LIQUID CRYSTALS—ACOUSTIC PROPERTIES

Measurement of ultra-acoustic parameters in liquid-crystalline cholesterol caprinate. G.E. Zvereva, A.P. Kapustin. Akust. zhur. 10 no. 1:122-123 '64.

LIQUID CRYSTALS—ELECTRIC PROPERTIES

Behavior of anisotropic liquids in an electric field. A.P. Kapustin, L.S. Larionova. Kristallografiia 9 no. 2: 297-300 Mr-Ap '64.

LIQUID HELIUM

Second-order phase transition in a Bose fluid [with summary in English]. A.Z. Patashinskii, V.L. Pokrovskii. Zhur. eksp. i teor. fiz. 46 no. 3:994-1016 Mr '64.

Shifting of the λ-point in rotating liquid helium [with summary in English]. R.A. Bablidze, Dzh.S. TSakadze, G.V. Chanishvili. Zhur. eksp. i teor. fiz. 46 no. 3:843-844 Mr '64.

LIQUID HELIUM—ACOUSTIC PROPERTIES

Fourth sound in a He^3 - He^4 solution [with summary in English]. D.G. Sanikidze, D.M. Chernikova. Zhur. eksp. i teor. fiz. 46 no. 3:1123-1125 Mr '64.

LIQUID HYDROGEN

Liquid-hydrogen target made from polyfoam. V.I. Petrukhin, IU.D. Prokoshkin, V.M. Soroko. Prib. i tekh. eksp. 9 no. 2:22-23 Mr-Ap '64.

LIQUID LEVEL INDICATORS

Control of spinning solution level in the deaerator. L.A. Vsevolozhskii, E.N. Marina. Khim. volok. no. 2:72-73 '64.

Electronic instrument for measuring the interface level of raffinate and extract solutions. V.P. Stepanov and others. Mash. i neft. obor. no. 3:22-25 '64.

Installing and using UDU level indicators and PSR-4 samplers. A.D. Dzhabrailov. Transp. i khran. nefti i nefteprod. no. 2:31-33 '64.

Level indicator for conducting fluids. O.M. Pikkov. Priborostroenie no. 4:30 Ap '64.

Liquid level regulators. M.A. Remke. Nefteprom. delo no. 3:35-38 '64.

Radioactive level gage. L.A. Korol'kov. Trudy VNIING no. 2:101-102 '63.

LIQUID METALS

Ultrasonic measurement of molten cast iron. L.A. Pronin, N.B. Kazakov, S.I. Filippov. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:12-16 '64.

Using thermocouple sheaths of zirconium diboride for the continuous measurement of the temperature of liquid metal in oxygen-blown converters. G.V. Samsonov, IU.S. Reshetniak, K.R. Vlasov. Stal' 23 no. 3:216-218 Mr '64.

LIQUID METALS—DENSITY

Apparatus for determining the density of liquid metals at high temperatures. N.A. Vatolin, E.M. Korn. Zav. lab. 30 no. 5:631-632 '64.

Experimental setup for studying the density of liquid metals. E.E. Shpil'rain, K.A. IAkimovich. Teplofiz. vys. temp. 1 no. 2:173-176 S-O '63.

LIQUID METALS—ELECTRIC PROPERTIES

Kirko, I.M. [Liquid metal in an electromagnetic field] Zhidkii metall v elektromagnitnom pole. Moskva, Izd-vo "Energiia," 1964. 159 p.

LIQUIDS

Calculation of the surface tension of liquids by means of the excess isochore-isotherm potential. Part 1 [with summary in English]. S.I. Popel', V.V. Pavlov, O.A. Esin. Zhur. fiz. khim. 37 no. 3:622-627 Mr '63.

Kinetics of chemical reactions between gaseous and liquid reactants proceeding in a stationary system with change in volume. G.M. Panchenkov, IU.M. Zhorov. Zhur. fiz. khim. 36 no. 11:2520-2524 N '62.

Study of the thermodynamic stability of binary liquid systems by the dielectric method. K.V. Arkhangel'skii, V.K. Semenchenko. Zhur. fiz. khim. 36 no. 11:2501-2506 N '62.

LIQUIDS—ANALYSIS

Iskandarian, A.A. [Sampling apparatus for gases and liquids] Probootborniki gazov i zhidkostei. Moskva, Izd-vo "Energiia," 1964. 36 p. (Biblioteka po avtomatike, no. 98)

LIQUORICE see Licorice

LITERARY MUSEUMS see subdivision under Erivan

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—CONGRESSES

Zonal'naia konferentsiia literaturovedov Sibiri i Dal'nego Vostoka. 3d, Krasnoyarsk, 1961. [Transactions of the Third Zonal Conference of Literary Scholars of Siberia and the Far East, Section of Foreign Literature, October 24-30, Krasnoyarsk] Sbornik trudov III Zonal'noi konferentsii literaturovedov Sibiri i Dal'nego Vostoka, Sektsiia zarubezhnoi literatury, 24-30 oktiabria 1961 goda, Krasnoiarsk. Omsk, Omskii gos. pedagog. in-t im. A. M. Gor'kogo, 1962. 220 p.
(MH)

LITERATURE—HISTORY AND CRITICISM

The historical foundation for the periodization of literature. V. N. Nikiforov. Nar. Az. i Afr. no. 3:86-90 '64.

LITERATURE—STUDY AND TEACHING

Literature as a moral adviser of youth. G. M. Volovnikova. Sov. pedag. 28 no. 4:30-40 Ap '64.

Urgent problems of the teaching of literature. M. TSeitlin. Nar. obr. no. 5:110-112 My '64.

LITERATURE, COMPARATIVE—UKRAINIAN AND BULGARIAN

Shevchenko and Bulgarian literature. H. M. Honcharuk. Rad. lit. 8 no. 2:144-146 Mr-Ap '64.

LITHIUM

Corrosion resistance of iron in lithium. N. M. Beskorovainyi and others. Met. i metalloved. chist. met. no. 4: 130-143 '63.

Corrosion resistance of titanium in lithium. N. M. Beskorovainyi, M. T. Zuev. Met. i metalloved. chist. met. no. 4:144-146 '63.

Interaction of austenitic chromium-nickel steel with liquid lithium. N. M. Beskorovainyi, M. T. Zuev, V. S. Eremeev. Met. i metalloved. chist. met. no. 4:122-129 '63.

LITHIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Effect of lithium chloride on various indices of nitrogen metabolism in skeletal muscle [with summary in English]. H. IA. Kreminova. Ukr. biokhim. zhur. 35 no. 1: 43-47 '63.

LITHIUM FLUORIDE CRYSTALS—SPECTRA

Recent data on the spectra of colored LiF crystals. I. S. Gorban', V. B. Timofeev. Opt. i spektr. 16 no. 4:638-641 Ap '64.

LITHIUM ISOTOPES

Afanas'eva, R. V., and others. [Production of Li^8 in the fission of C^{12} nuclei by high-energy protons] Obrazovanie Li^8 v rasshchepleniiakh iader C^{12} protonami vysokoi energii. Dubna, Ob''edinennyi in-t iadernykh issl., 1964. 8 p.

Distribution of lithium isotopes in immiscible solvents. V. M. Kolotyrkin, N. I. Nikolaev. Zhur. fiz. khim. 36 no. 11:2540-2541 N '62.

Photoprotons from Li^6. E. D. Makhnovskii. Zhur. eksp. i teor. fiz. 46 no. 3:1136-1139 Mr '64.

LITHIUM METHOXIDE

Synthesis and structure of soluble lithium alcoholates. T. V. Talalaeva and others. Izv. AN SSSR. Ser. khim. no. 4:638-644 Ap '64.

LITHUANIA—ATMOSPHERIC TRANSPARENCY

Calculation of the coefficients of atmospheric transparency and possible sums of solar radiation. K. Kausyla. Trudy AN Lit. SSR. Ser. B no. 1:95-101 '63.

LITHUANIA—BREAD

Results of the introduction of a new technological flow sheet for the making of Kaunas bread with liquid intermediate products. I. M. Roiter and others. Trudy KTIPP no. 27:3-12 '63.

LITHUANIA—COMMUNIST EDUCATION

Problems of the ideological and political education of students. A. P. Gudonovicius. Teor. i prak. fiz. kul't 26 no. 9:19-23 S '63.

LITHUANIA—INCOME

Practice in a preliminary calculation of the national income of the Lithuanian S. S. R. for 1966-1970. M. Belov. Plan. khoz. 41 no. 5:43-49 My '64.

LITHUANIA—MAMMALS

Ivanauskas, Tadas, Natalija Likeviciene, and Sase Maldziunaite. [A guide to Lithuanian mammals] Vadovas Lietuvos zinduoliams pazinti. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 330 p. [In Lithuanian]

LITHUANIA—PHYSICAL EDUCATION AND TRAINING

Problems of the ideological and political education of students. A. P. Gudonovicius. Teor. i prak. fiz. kul't 26 no. 9:19-23 S '63.

LITHUANIA—POLITICS AND GOVERNMENT

Lithuanian S. S. R. Auksciausioji taryba, 4 sesija, 5 sus., Vilnius, 1960. [Verbatim report of the 4th Session of the 5th Supreme Soviet of the Lithuanian S. S. R.] Stenograficheskii otchet. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1960. 139 p.
(IEN)

LITHUANIA—SOLAR RADIATION

Calculation of the coefficients of atmospheric transparency and possible sums of solar radiation. K. Kausyla. Trudy AN Lit. SSR. Ser. B no. 1:95-101 '63.

LITHUANIA—SOLDIERS' MONUMENTS

Monument of courage and struggle. S. Chervonnaia. Iskusstvo 26 no. 12:31-33 '63.

LITHUANIAN LITERATURE—HISTORY AND CRITICISM

Gineitis, Leonas. [Kristijonas Donelaitis and his times] Kristijonas Donelaitis ir jo epocha. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 381 p. [In Lithuanian]

LIVER

Contractile protein from the liver mitochondria. B. F. Poglazov, T. IA. Volkova, A. I. Zotin. Tsitologiia 5 no. 3:338-339 My-Je '63.

Effect of cortisone on the metabolism of RNA and nucleotides in the liver during ontogenesis [with summary in English]. TS. M. Shereshevs'ka. Ukr. biokhim. zhur. 35 no. 5:650-660 '63.

Effect of thyroid gland hormones on the correlation of separate protein fractions in the blood serum and liver [with summary in English]. N. A. Iusupova. Vop. med. khim. 8 no. 6:589-592 N-D '62.

Effect of 2, 4-dinitrophenol on the introduction of thiamine in the rabbit liver and its conversion [with summary in English]. A. O. Rybina. Ukr. biokhim. zhur. 34 no. 1:47-55 '62.

Effect of vitamin A deficiency on oxidative phosphorylation in the liver mitochondria of albino rats [with summary in English]. IE. M. Lishovych, H. I. [illegible]. Ukr. biokhim. zhur. 35 no. 1:25-29 '63.

Liver and blood coagulation. Kh. D. Lomazova. Usp. sovr. biol. 56 no. 3:410-430 '63.

Nature of the composition and metabolism of some fractions of ribonucleic acid in the liver [with summary in English]. O. P. Chepynoha, S. P. Nad'ozhyna, N. M. Serba. Ukr. biokhim. zhur. 35 no. 5:643-655 '63.

Some morphologic changes in the liver following inoculation of the Brown-Pearce tumor in the stomach. B. G. Shchitkov. Dokl. AN SSSR 156 no. 1:179-182 My '64.

Synthesis of amino acids in pigeon liver homogenates [with summary in English]. F. F. Klimochkina. Vop. med. khim. 8 no. 6:581-588 N-D '62.

LIVER—BIOPSY

Cholinesterase activity of the serum and intravital morphological changes in the liver tissue in chronic lesions of the liver [with summaries in Tajik and English]. A. I. Andreev. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1: 115-120 '62.

Clinicobiochemical parallels with data on intravital biopsy of the liver in chronic ulcerative and nonulcerative colitis [with summaries in Tajik and English]. IA. A. Makarovich. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:261-270 '62.

Dynamics of morphological and some histochemical changes in the liver in acute and prolonged forms of Botkin's disease according to data of intravital needle biopsy of the liver [with summaries in Tajik and English] S. N. Kutchak. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:43-56 '62.

Needle biopsy of the liver; method, indications and contraindications [with summaries in Tajik and English]. Kh. Kh. Mansurov, IA. D. Slavinskii, D. G. Rashid. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:248-260 '62.

Prednisolone treatment of patients with hepatitis and cirrhosis under control of intravital morphological studies of the liver [with summaries in Tajik and English]. M. Kh. Khalil-Zade. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:231-247 '62.

Report no. 1. Results of treatment under control of intravital histological studies of the liver in Botkin's disease [with summaries in Tajik and English]. E. F. Elitsen. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:217-224 '62.

Report no. 2. Results of treatment under control of intravital histological studies of the liver in chronic hepatitis and cirrhosis of the liver [with summaries in Tajik and English]. E. F. Elitsen. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:225-230 '62.

Technic of microchemical examination of the activity of some enzymes in liver punctates of patients with Botkin's disease. I. D. Mansurova. Lab. delo 8 no. 9:26-29 S '62.

LIVER—BLOOD SUPPLY

Experimental data on intraorganic circulation in the liver of dogs. M. S. Arbuzova. Eksper. khir. i anest. 7 no. 4:21-27 Jl-Ag '62.

LIVER—CANCER

Activity of enzymes in the rat liver in cancerogenesis induced by dimethylaminoazobenzene and following administration of the food dye amaranth. B. L. Rubenchik. Vop. pit. 21 no. 5:53-57 S-O '62.

Primary [illegible] of the liver [with [illegible] in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Primary [illegible] A. [illegible]

LIVER—CIRRHOSIS

Blood transfusion in treating [illegible] G. A. [illegible] 31-Ag '62.

LIVER—DISEASES

Changes in [illegible] liver functions in [illegible] treated with the [illegible] mineral water. [illegible] '62.

[illegible] of the liver [illegible] in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

[illegible]

[illegible] [with summaries in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

[illegible] [with summaries in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

[illegible] [with summary in English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

[illegible]

[illegible] of the liver [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR [illegible] '62.

[illegible]

[illegible], A. A. [How to prevent diseases of the liver] [illegible]

[illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Histochemical study of the alkaline phosphatase activity in the liver tissues of patients with [illegible] [with summaries in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Modern views on the [illegible] of the liver [with summaries in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Needle biopsy of the liver; method, indications and contraindications [with summaries in Tajik and English]. Kh. Kh. Mansurov, IA. D. Slavinskii, D. G. Rashid. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Portal pressure in [illegible] [with summaries in Tajik and English]. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Prednisolone treatment of patients with hepatitis and cirrhosis under control of intravital morphological studies of the liver [with summaries in Tajik and English]. M. Kh. Khalil-Zade. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Progressive forms of cirrhosis of the liver [with summaries in Tajik and English]. Kh. Kh. Mansurov. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Relation between the changes in the activity of [illegible] in the blood and [illegible] lesions of the liver [illegible] [with summary in English]. [illegible] Klin. med. [illegible]

Report no. 2. Results of treatment under control of intravital histological studies of the liver in chronic hepatitis and cirrhosis of the liver [with summaries in Tajik and English]. E. F. Elitsen. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:225-230 '62.

Role of the alimentary factor in the etiology of cirrhotic diseases of the liver [with summaries in Tajik and English]. V. A. [illegible]. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:[illegible] '62.

Rate of portal pressure in some diseases of the liver [with summaries in Tajik and English]. V. S. Kozlin. [illegible] Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:173-183 '62.

LIVER—DISEASES (Continued)

Study of [illegible] in Botkin's disease, [illegible] (with summary in English). I. A. [illegible] Trudy [illegible] no.[illegible] '62.

LIVER—RADIOGRAPHY

[illegible] A. A. [illegible] no.[illegible] '62.

LIVER—TUMORS

[illegible]

[illegible] (with summary in English). [illegible]

LIVER FUNCTION TESTS

[illegible] and following [illegible]

[illegible] (with summary in English). [illegible]

Separate determination of [illegible] in [illegible] '63.

Separate determination of [illegible] '63.

LIZARDS see subdivision under [illegible]

LOADING AND UNLOADING

[illegible] (Handbook for the mechanic and [illegible] of loading brigades) [illegible] Moskva, Izd-vo "Transport," 1964. [illegible] p.

[illegible]

[illegible]

[illegible] (Mechanized loading in [illegible]) [illegible] 1963. [illegible] p.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

[illegible]

[illegible]

[illegible]

LOADING AND UNLOADING—MECHANIZATION see subdivision under [illegible]

LOAN BANKS—[illegible] see subdivision under [illegible]

LOBNYA [illegible] PLANTS

[illegible] Lenin Plant. [illegible]

LOCAL ANESTHESIA

[illegible] (with summary in English). [illegible] '63.

Anesthesia of the [illegible] '63.

[illegible]

[illegible]

[illegible] (with summary in English). [illegible] '63.

[illegible]

LOCAL GOVERNMENT see subdivision under [illegible]

LOCAL TRANSIT—ABSTRACTS

[Interurban and city transportation] Ref. zhur.: Avt. i gor. transp. no.5 My '64.

LOCATION OF INDUSTRIES see Industries, Location of

LOCOMOTION, DISORDERED

Motor and sensory disorders in dogs following limited injuries of the cerebral cortex in the region of the musculocutaneous analyzer. B. G. Kiguradze. Sbor. nauch. rab. [illegible] med. inst. no.20:77-88 '59.

Some characteristics of Trendelenburg's symptom in patients with sequelae of poliomyelitis. L. A. Dudnik. Ortop., travm. i protez. 24 no.10:11-17 O '63.

LOCOMOTIVE ENGINEERS

From the point of view of a locomotive engineer; concerning the magazine "Elektricheskaia i teplovoznaia tiaga." [illegible] Elek. i tepl. tiaga 8 no.1:21 Ja '64.

LOCOMOTIVES

Answering readers' queries. Elek. i tepl. tiaga 7 no.12: 42 D '63.

LOCOMOTIVES—EQUIPMENT AND SUPPLIES

[illegible] Elek. i tepl. tiaga 7 no.12:30 D '63.

[illegible] design. A. V. [illegible] Elek. i tepl. tiaga 7 no.12:31 D '63.

New [illegible] A. V. [illegible] Elek. i tepl. tiaga 7 no.12: 37-38 D '63.

LOCOMOTIVES—MAINTENANCE AND REPAIR

Moiseev, V. N. (Mechanization of the repair of locomotives in a depot) Mekhanizatsiia remonta lokomotivov v depo. Moskva, Izd-vo "Transport," 1964. 130 p.

[illegible] Elek. i tepl. tiaga 8 no.1:24 Ja '64.

Russia (1923- U.S.S.R.) [illegible] (Instructions for building-up and welding work in repairing locomotives [illegible]) [illegible] Moskva, Izd-vo "Transport," 1964. 214 p.

LODEYNOYE POLE (LENINGRAD PROVINCE)—HISTORY

Sukhov, P. M. (Lodeynoye Pole; an historical and regional study) Lodeinoe Pole, [illegible] ocherk. [Leningrad] Lenizdat, 1964. 172 p. [illegible]

LODEYNOYE POLE (LENINGRAD PROVINCE)—SOCIAL CONDITIONS

Sukhov, P. M. (Lodeynoye Pole; an historical and regional study) Lodeinoe Pole, [illegible] ocherk. [Leningrad] Lenizdat, 1964. 172 p. [illegible]

LODYGIN, ALEKSANDR NIKOLAEVICH, 1847-1923

[illegible]

[illegible]

LOESS

(see also subdivision under Soviet Central Asia)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

LOGGING (GEOLOGY)

(see also subdivision under [illegible])

Effect of surface conductivity on electric logging parameters. [illegible] Geofiz. sbor. no.9:13-19 '63.

Improved logging sampling. [illegible] no.5:57 '63.

Theory of unsteady diffusion of thermal neutrons in a [illegible] with cylindrical interface. A. L. [illegible] Izv. AN SSSR. Ser. geofiz. no.6:[illegible] '64.

LOGIC

The logic of scientific knowledge and contemporary formal logic. P. V. Tavanets. Vop. filos. 18 no.3:68-71 '64.

The logic of scientific research and its basic concepts. P. V. Kopnin. Vop. filos. 18 no.3:59-69 '64.

LOGIC, SYMBOLIC AND MATHEMATICAL

Systems of logical acts in incomplete and degenerate bases. [illegible] Dokl. AN SSSR 155 no.2: 298-301 Mr '64.

LOGICAL POSITIVISM

Significance of Lenin's ideas for the criticism of present-day positivism. B. V. Akhlibininskii. Izv. [illegible] no.40: 154-166 '60.

LOMMEL FUNCTIONS

Generalization of Lommel's solutions (with summary in English). A. D. Kovalenko. Dop. AN URSR no.4:442-446 '64.

LONDON—DESCRIPTION

Queen's guardsman. Anna Kardashova. Sem'ia i shkola 19 no.1:38-40 Ja '64.

LONGSHOREMEN

In a progressive brigade. I. Strel'tsov. Mor. flot 24 no.12:7-8 D '63.

LOOMS

Approximate method for calculating the cost of the start of a metal-weaving loom [illegible] in case of the replacement of the picking mechanism by an induction motor with flat stator. V. I. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:117-121 '64.

Determining the coefficient of the friction of silk yarn over the warp winding surfaces of the loom beam. G. V. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:66-70 '64.

Determining the law of motion of the driven disk of the friction clutch of the warp release and tension mechanism of the [illegible] loom. A. V. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:171-180 '64.

Irregularity of the rotation of the main shaft of a loom. G. M. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:72-78 '64.

Studying the speed of the motion of the welting [illegible] pneumatic loom. V. A. Filippov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:121-125 '64.

Technologically required dimensions of reeds. P. V. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1: 76-88 '64.

Value of the angle of the pick in the process of the formation of fabric. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:81-87 '64.

LOOMS—DESIGN AND CONSTRUCTION

Methods for the development of [illegible] of the [illegible] V. N. [illegible] Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:131-135 '64.

LORAN

[illegible], V. I. (The Loran pulse-type radio navigation system) Impul'snaia radionavigatsionnaia sistema "Loran." Moskva, Izd-vo "Transport," 1964. 131 p.

LOUISIANA—GASOLINE

Automatic gasoline plant unit in Louisiana. Gaz. delo no.11:21 '63.

LUBRICATION AND LUBRICANTS

(see also subdivision under Azerbaijan)

Lubricating capacity of a lubricant layer. S. B. Ainbinder, A. M. [illegible] Izv. AN SSSR [illegible] no.2:130-135 Mr '64.

Determining the [illegible] in polymers [illegible] with [illegible] I. B. [illegible], S. N. [illegible] Izv. VUZ no.[illegible] '63.

Developing an automatic device for the determination of the [illegible] period for [illegible] oils. Neftepr. i neftekhim. no.4:31-33 '64.

[illegible] of residual oils in a propane solution. A. N. [illegible] Trudy [illegible] no.15:159-166 '63.

Effect of the [illegible] of oil on the process of [illegible] the ring contact zone of internal combustion engines (with summary in English). [illegible] Izv. AN [illegible] no.1:[illegible] '64.

High-viscosity distillates as an additional resource in the production of motor oils. V. D. Akimov and others. Trudy BashNII NP no.6:24-31 '63.

Industrial experience in obtaining paraffin from a lubricant distillate of sour crudes. I. I. Chernov and others. Trudy BashNII NP no.6:54-62 '63.

Kinetics of complexing during the reaction of oil with a carbamide water solution. F. A. [illegible], B. V. Klimenok. Izv. vys. ucheb. zav.; neft' i gaz 6 no.6:79-81 '63.

Lubrication service in service stations. M. A. Vorob'ev. Transp. i khran. nefti no.11:25-27 '63.

Methods for obtaining oils with improved low-temperature properties from sour crude. D. O. Gol'dberg and others. Trudy BashNII NP no.6:103-111 '63.

Paraffin and ceresin potentials in Shkapovo oil. I. I. Chernov, V. V. Vorob'ev. Trudy BashNII NP no.6: 127-133 '63.

Some recommendations for the dewaxing of distillate oils. G. I. Glazer, M. I. Fal'kovich, N. I. Chernozhukov. Neftepr. i neftekhim. no.1:7-10 '64.

Symposium on Lubricants and Lubrication Techniques. G. V. Vinogradov. Vest. AN SSSR 34 no.1:97-99 Ja '64.

LUBRICATION AND LUBRICANTS (Continued)

Temperature coefficient for the corrosion rate and the [illegible] of the maximum corrosivity of oils. V.S. [illegible]. Izv.vys.ucheb.zav.; neft' i gaz 5 no.9: [illegible] '62.

Test results of an experimental plant rotary disk contactor. M.G. Mitrofanov and others. Trudy GrozNII no.14: 211-213 '63.

LUBRICATION AND LUBRICANTS—ADDITIVES

Improving the production technology of all-purpose additive agents. A.L. Chertkin, L.V. Luppov. Nefteper.i neftekhim. no.3:11-14 '64.

LUBRICATION AND LUBRICANTS—STANDARDS

Lubricating oils of improved quality. A. Stekhun. Tekh. v sel'khoz. 23 no.12:55-56 D '63.

Standardization of lubricants. I.O. Khrapov. Transp. i khran. nefti i nefteprod. no.1:35-37 '64.

LUBRICATION AND LUBRICANTS—TESTING

Four-ball friction machine for testing lubricants. K.I. Klimov, V.A. Mikheev. Nefteper.i neftekhim. no.3: 31-34 '64.

Friction machine for testing the lubricating performance of oil fogs. M.D. Bezborod'ko, I.I. Solomenko. Zav.lab. 30 no.5:616-617 '64.

LUGANSK—FINANCE

It is possible and necessary to find potentials. K. Khmelovskii. Fin.SSSR 38 no.3:53-55 Mr '64.

LUGANSK—WHOLESALE TRADE

Wholesale depot helps stores. Z. Naivel't, V. Polunov. Sov.torg. 37 no.4:26-27 Ap '64.

LUGANSK PROVINCE—ROTATION OF CROPS

Crop rotations in Lugansk Province. I.F. Ivushkin. Zemledelie 26 no.4:21-24 Ap '64.

LUK'IANOVA, MARIIA IVANOVNA, 1904-—BIBLIOGRAPHY

see Bibliography—Luk'ianova, Mariia Ivanovna, 1904-

LUMBER

Wooden plane strips. Biul.stroi.tekh. 20 no.11:19 N '63.

LUMBER—STORAGE

Vakin, A.T. [Storage of round lumber] Khranenie kruglogo lesa. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 427 p.

LUMBER—TRANSPORTATION

(see also subdivision under Archangel Province)

Arykin, I.G., and A.A. Shchapov. [Regulation of the estuaries of lumber-floating rivers] Regulirovanie ust'evykh uchastkov lesosplavnykh rek. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 21 p. (Lesoekspluatatsiia)

[MICROFILM]

Interchangeable equipment for the DTT-40 tractor having a jib for loading lumber. M.P. Pribyl'skii. Mekh.stroi. 21 no.4:14 Ap '64.

[Land transportation of lumber] Sukhoputnyi transport lesa. [By] D.A. Popov i dr. Moskva, Goslesbumizdat, 1963. 363 p. diagr. (insert)

Tulatov, V.A. [Investigating strains in steel wire ropes of a multiple-span aerial skidder] Issledovanie usilii v stal'nykh kanatakh mnogoproletnoi VTU-3. Nal'chik, Severo-Kavkazskii Sovet nar. khoz., 1963. 31 p.

[MICROFILM]

LUMBERING see subdivision under Archangel Province

LUMBERING—ECONOMIC ASPECTS

Economics and organization of combined lumbering enterprises. I.S. Shinev, M.B. Nakhmanovich. Trudy TSNIIME no.45:3-115 '63.

LUMBERING—EQUIPMENT AND SUPPLIES

Structure of capital assets in lumbering enterprises and tendencies to change it. N.A. Burdin. Trudy TSNIIME no.45:116-131 '63.

LUMBERING—FINANCE

(see also subdivision under Ural Mountain region)

Balagurov, N.A. [Cost and the profitability of lumbering production] Sebestoimost' i rentabel'nost' lesozagotovitel'nogo proizvodstva. Moskva, Goslesbumizdat, 1963. 289 p.

LUMBERING—INFORMATION SERVICES see subdivision under Komi A.S.S.R.

LUMBERING—MACHINERY

Automatic log sorting. V.I. Besedin. Mekh.i avtom. proizv. 18 no.5:42 My '64.

Volobuev, G.P. [The ASK-1 semiautomatic sorting conveyor of the Central Scientific Research Institute for Mechanization and Use of Power in Lumbering] Poluavtomaticheskii sortirovochnyi konveier ASK-1 TsNIIME. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 69 p. (Lesoekspluatatsiia)

[MICROFILM]

LUMINESCENCE

Afterglow of ruby crystals following irradiation by strong light pulses. R.I. Baranov, K.I. Krylov, S.F. Shariai. Opt.i spektr. 16 no.4:713-714 Ap '64.

Comments on A.M. Samson's article "Quenching of luminescent solutions by foreign substances." V.I. Shirokov. Opt.i spektr. 16 no.4:696-697 Ap '64.

Determination of copper in water and acids with lumocupferron. E.A. Bozhevol'nov, S.U. Kreingol'd. Metod. anal.khim.reak.i prepar. no.4:96-99 '62.

Determination of gallium in selenium with lumogallion of the Institute of Chemical Reagents. E.A. Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:72-75 '62.

Determination of magnesium in acids and calcium tartrate by "Lumomagnezon" of the Institute of Chemical Reagents. G.V. Serebriakova, E.A. Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:89-92 '62.

Employing luminescent analysis of lateral samples to evaluate the oil potential of reservoir rocks in western Bashkiria. V.V. Masiukov, A.Sh. Galiavich. Geol. nefti i gaza 8 no.1:41-45 Ja '64.

Equipment for luminescence analysis. E.A. Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:26-38 '62.

Luminescence and its basic regularities. E.A. Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:7-25 '62.

Luminescence studies of the role played by admixed silver centers in the photolysis of silver halides. V.M. Belous, K.V. Chibisov. Dokl.AN SSSR 156 no.1:121-124 My '64.

Lumocupferron. R.P. Lastovskii, V.V. Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:42-44 '62.

Most important reagents for luminescence analysis. Metod.anal.khim.reak.i prepar. no.4:136-152 '62.

Performance of luminescent screen for X-ray examinations. M.A. Il'ina, A.M. Gurvich. Zav.lab. 30 no.5: 580-584 '64.

Quantitative determination of a morphine base by titration on the background of its luminescence in an acid medium. N.V. Egorov, S.A. Elgazin, F.M. Shemiakin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:66-69 '64.

Reply to V.I. Shirokov and A.S. Selivanenko. A.M. Samson. Opt.i spektr. 16 no.4:697-699 Ap '64.

Some results of the 11th All-Union Conference on Luminescence. G.M. Barenboim, R.I. Pinto. TSitologiia 5 no.3:362-364 My-Je '63.

Theory of luminescence quenching. A.S. Selivanenko. Opt.i spektr. 16 no.4:695-696 Ap '64.

LUNGS

Bronchopulmonary novocaine block. S.P. Khodkevich. Eksper.khir.i anest. 8 no.4:86-89 Jl-Ag '63.

LUNGS—ABSCESS

Effectiveness of the use of a 1% solution of calcium chloride in preoperative preparation in suppurative diseases of the lungs. G.M. Kerimov, I.G. Gurbanaliev. Khirurgiia no.1:95-100 '63.

Pneumonectomy in chronic suppuration of the lung in a patient with adrenal gland insufficiency. V.A. Kovanov, A.IA. Nezhlukto. Khirurgiia no.1:129-132 '63.

LUNGS—CANCER

Combination of two tumors with different localization and morphological structure in a patient. M.E. Kaplun. Zdrav.Bel. 9 no.6:77-78 Je '63.

Diagnostic errors in lung cancer. V.V. Potekhin, L.V. Slesareva. Zdrav.Turk. 8 no.1:11-14 Ja '64.

Importance of selective angiopulmonography in determining the operability of lung cancer [with summary in English]. M.IA. Polikarpov. Vest.khir. 90 no.5:8-14 My '63.

Resection of the lung in metastatic tumors [with summary in English]. A.I. Pirogov, IA. Maksimov. Vest.khir. 90 no.5:15-20 My '63.

Volin, E.M. [Peripheral cancer and circumscribed formations in the lungs; clinical X-ray diagnosis] Perifericheskii rak i sharovidnye obrazovaniia v legkikh; kliniko-rentgenologicheskaia diagnostika. Moskva, Izd-vo "Meditsina," 1964. 189 p.
(DNLM)

LUNGS—DISEASES

Candidiasis of the lungs. A.N. Serzhanina. Zdrav.Bel. 9 no.6:45-47 Je '63.

Comparative data on the basal metabolism and vacat oxygen in lung diseases at the sea health resort Gagra and moderate altitude health resort TSemi. G.A. Ushveridze, M.N. Dgebuadze, L.P. Dzhikiia. Sbor.trud.Gos. nauch.-issl.inst.kur.i fizioter. 26:79-82 '63.

Experience in treating patients with chronic inflammatory bronchopulmonary processes in relation to the sensitivity of the microflora to antibiotics. V.V. Dubilei. Antibiotiki 8 no.8:746-750 Ag '63.

Experimental study of concomitant whooping cough and staphylococcal infections of the lungs [with summary in English]. G.N. Chistovich. Zhur.mikrobiol., epid. i immun. 40 no.4:6-10 Ap '63.

Function of the external respiration and oxidation-reduction processes in nonspecific diseases of the lungs in the climate of the Zelenyy Mys health resort. L.P. Dzhikiia, R.K. Gogibedashvili. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:83-86 '63.

Immediate complications following pneumonectomy in chronic lung suppurations. N.F. Tatanov. Khirurgiia no.1:80-85 '63.

Method of temporary unilateral occlusion of the pulmonary artery and bronchus. V.L. Evgrafov. Khirurgiia no.1: 85-90 '63.

Nondismountable mobile sheds in the prophylaxis of pulmonary diseases in lambs. M.T. Terekhina, N.M. Loginov. Trudy Stavr.sel'khoz.inst. no.11:144-147 '61.

LUNGS—DUST DISEASES

Clinical aspect and diagnosis of asbestosis. A.I. [illegible]. Sbor.nauch.rab.IAr.med.inst. no.21:31-37 '62.

Effect of tungsten-containing dust on the lungs of white rat. M.I. Salekhov. Zdrav.Kazakh. 22 no.10:34-[illegible] '62.

LUNGS—HYDATIDS

Single-stage echinococcectomy in bilateral echinococcosis of the lungs. A.P. Dotsenko. Khirurgiia no.1:133-135 '63.

LUNGS—RADIOGRAPHY

Clinical and roentgenological pulmonary changes in adenoviral diseases. R.IA. Khorsonskaia, L.S. [illegible]binder, A.S. Pashchenko. Pediatriia 42 no.9:14-18 S '63.

Perel'man, M.I., and M.Z. Upiter. [Angiography of the lungs in tuberculosis] Angiografiia legkikh pri tuberkuleze. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 145 p.
(DNLM)

LUNGS—SURGERY

Compensation of hemodynamic and hematologic disorders in the surgical treatment of lung diseases. I.I. [illegible]. Zdrav.Bel. 9 no.6:21-25 Je '63.

Effectiveness of surgical treatment in pulmonary tuberculosis. F.M. Ismailov. Zdrav.Turk. 8 no.1:8-11 Ja '64.

Evaluation of cavernotomy as a therapeutic method in giant cavities. A.E. Podgainyi. Zdrav.Kazakh. 22 no.10:27-30 '62.

Immediate complications following pneumonectomy in chronic lung suppurations. N.F. Tatanov. Khirurgiia no.1:80-85 '63.

Management of penetrating injuries of the chest in peace time. V.P. Radushkevich, V.I. Kiselev. Khirurgiia no.1:56-58 '63.

Oxyhemography in patients with pulmonary tuberculosis during and after the resection of different portions of the lung tissue. A. Khusinov. Nauch.trudy SamMI 21: 127-130 '62.

Pneumonectomy in chronic suppuration of the lung in a patient with adrenal gland insufficiency. V.A. Kovanov, A.IA. Nezhlukto. Khirurgiia no.1:129-132 '63.

Resection of the lung in metastatic tumors [with summary in English]. A.I. Pirogov, IA. Maksimov. Vest.khir. 90 no.5:15-20 My '63.

Single-stage echinococcectomy in bilateral echinococcosis of the lungs. A.P. Dotsenko. Khirurgiia no.1:133-135 '63.

LUNGWORMS see subdivision under East Kazakhstan Province

LUPINE

Effect of the intermediate culture of lupine and plowing under on the microflora of pine forest and cranberry soils. A.IA. Mironenko, E.S. Gurinovich. Bot.; issl. Bel.otd.VBO no.5:77-86 '63.

Effect of the presowing treatment of seeds with microelements on the growth and reproductive capacity of perennial lupine. V.P. Grigor'ev. Bot.; issl.Bel.otd. VBO no.5:15-22 '63.

Fertilizers in green manure crop rotation with potatoes [with summaries in English, German, and French]. IA.N. Burakov. Vest.sel'khoz.nauki 8 no.12:15-17 D '63.

Lupinus polyphyllus belts as fire prevention means. A.P. Charkina. Les.khoz. 17 no.4:54-57 Ap '64.

Methods for sowing forage lupine for seed. V.V. [illegible]kov. Zemledelie 26 no.1:73-75 Ja '64.

Protein substances and nucleic acids in the process of change in the dry substances of lupine seeds in germination. O.P. Bulko, A.S. Vecher. Dokl.AN BSSR 8 no.3:195-198 Mr '64.

LUPINE—VARIETIES

Restoration of alkaloid biosynthesis in hybrid lupine obtained from crossing incompatible pairs of alkaloidless varieties. N.V. Turbin and others. Dokl.AN SSSR 155 no.2:446-450 Mr '64.

LUPUS ERYTHEMATOSUS

Micromethod for the determination of Lupus erythematosus cells. B.A. Broer. Zdrav.Kazakh. 23 no.4:77-78 '63.

LUTHERAN CHURCH see subdivision under Estonia

LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Some remarks about the vocabulary of "Zhaleika," a poem by IAnka Kupala. L.A. Vankovich. Vesti AN BSSR.Ser.hram.nav. no.1:103-112 '64.

LUTUGIN, LEONID IVANOVICH, 1864-1915

Leonid Ivanovich Lutugin; on the 100th anniversary of his birth. A. I. Kravtsov. Ugol' 39 no. 3:70-71 Mr '64.

LVOV—BEECH, FOSSIL

Genus Fagus from the Lower Sarmatian deposits of Mt. Kortumova (Lvov). N. IA. Shvareva. Bot. zhur. 49 no. 4:523-533 Ap '64.

LVOV—DISSERTATIONS, ACADEMIC

Lvov. Universytet. Biblioteka. [Dissertations, defended in 1946-1957 in the Lvov State University; bibliographic index] Dysertatsii, iaki zakhyshcheni u L'vivs'komu derzhavnomu universyteti im. Ivana Franka v 1946-1957 rr.; bibliografichnyi pokazhchyk. L'viv, 1959. 50 p.
(MH)

LVOV—OIL INDUSTRIES

Oils and Fats Firm "Oktiabr'" in Lvov. V. F. Kirichenko. Masl.-zhir. prom. 30 no. 3:40-41 Mr '64.

LVOV—SWEET GUM

Sweet gum (Liquidambar styraciflua) in Lvov. N. F. Prikladovskaia. Biul. Glav. bot. sada no. 48:39-42 '63.

LVOV ECONOMIC REGION—INDUSTRIAL MANAGEMENT

Ways to improve the utilization of the productive capacity of production combines. M. T. Meleshkin. Leh. prom. no. 4:89-91 O-D '63.

LVOV PROVINCE—COSTUME

Ethnographic research in the village of Toporov. G. F. Nedashkivs'ka. Mat. z etn. ta mystetstvoznav. no. 5: 26-41 '59.

LVOV PROVINCE—INDUSTRIAL CAPACITY

Method for determining a standard time for attaining planned production capacity. M. Meleshkin, A. Sidorov, I. Cherevko. Plan. khoz. 41 no. 5:33-42 My '63.

LVOV PROVINCE—SEEDS—DISINFECTION

Make better use of machinery. P. A. Solov'ev. Zashch. rast. ot vred. i bol. 9 no. 4:6-7 '64.

LVOV-VOLYN' BASIN—RURAL PLANNING

Villages of the Lvov-Volyn' Basin. L. Gracheva. Stroi. i arkhit. 11 no. 10:23-25 O '63.

LYAPIN VALLEY—FORTIFICATIONS, OLD

The Lyapin fortification. A. F. Palashenkov. Izv. Omsk. otd. Geog. ob-va no. 5:153-159 '63.

LYMPHATICS

Importance of lymph circulation under physiological and pathological conditions [with summary in English]. István Rusznyak. Izv. AN SSSR. Ser. biol. no. 2:240-248 Mr-Ap '63.

Initial networks of lymphatic capillaries of the mucous membrane and of the submucous layer of the stomach in vertebrates [with summary in English]. O. I. Svyrydov. Dop. AN URSR no. 2:264-268 '64.

Intraorganic lymphatic system of the human stomach in polyposis. N. A. Krotkova. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:7-11 '62.

Lymphatic vessels of the cecum and vermiform appendix in man [with summary in English]. I. A. Kavunenko. Dop. AN URSR no. 4:537-540 '64.

Relations between the lymphatic system of the stomach and the different sections of the large intestine in children. G. A. Samoilov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:12-16 '62.

Some data on collateral efferent lymph flow from the rectum. E. N. Oleneva. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:17-21 '62.

LYMPHATICS—DISEASES

Character of microflora and its sensitivity to antibiotics in treating acute nonspecific lymphadenitis in children [with summary in English]. IU. A. Akimov. Vop. okh. mat. i det. 7 no. 6:52-55 Je '62.

LYMPHATICS—TUBERCULOSIS

Book reviews. Pediatriia 42 no. 9:90-94 S '63.

LYMPHOCYTES

Study of early radiation effect by changes in the intensity of secondary fluorescence in lymphocytes. R. I. Pinto. TSitologiia 5 no. 3:295-302 My-Je '63.

LYSENKO, MYKOLA VITALYIYEVYCH, 1840-1912

First staging of "Taras Bul'ba." I. Durniev. Mystetstvo 10 no. 5:31-32 S-O '63.

LYSIMETER

Composition of lysimetric waters under a pinewood. N. P. Sukhanova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:181-186 '64.

LYSOZYME

Dynamics of lysozyme titer changes in guinea pigs under the action of ionizing radiation. A. G. Goriunova. Med. rad. 8 no. 5:77-79 My '63.

LYUBEN' VELIKIY—HEALTH RESORTS, WATERING PLACES, ETC.

Treatment of otorhinolaryngological diseases at the Lyuben' Velikiy Health Resort. A. A. Kornienko. Zhur. ush., nos. i gorl. bol. 23 no. 6:78-79 N-D '63.

LYUDINOVO (KALUGA PROVINCE)

Kondakov, N. S., and I. A. Latynov. [Lyudinovo] Liudinovo. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 236 p.
(MH) (NjP)

MACARONI—TESTING

Moscow. TSentral'naia nauchno-issledovatel'skaia laboratoriia makaronnoi promyshlennosti. [Instruction concerning the VE-2M moisture meter for the determination of moisture content in flour and macaronis] Instruktsiia k vlagomeru VE-2M dlia opredeleniia vlazhnosti muki i makaronnykh izdelii. Moskva, Pishchepromizdat, 1963. 18 p.
[MICROFILM]

MACHINE ACCOUNTING

(see also subdivision under Krasnoyarsk)

Against an incorrect understanding of comprehensive machine accounting on collective and state farms. D. Vasil'ev, K. Pankova, M. Rapoport. Vest. stat. no. 5:46-53 '64.

Alekseev, A. V., and IA. P. Borokhovich. [Calculating machines and their use in accounting] Schetnye mashiny i ikh primenenie v uchete. Moskva, Izd-vo "Kolos," 1964. 326 p. diagr. (insert)

Rapoport, M. M. [Mechanized accounting for the operation of automotive freight transportation] Mekhanizatsiia ucheta raboty gruzovogo avtomobil'nogo transporta. Izd. 2., perer. i dop. Moskva, Transport, 1964. 93 p.

Spirin, A. A., F. L. Usyskin, and V. S. Fedulov. [Mechanization of computing work in the accounting and planning of machinery manufacturing enterprises] Mekhanizatsiia vychislitel'nykh rabot v uchete i planirovanii mashinostroitel'nogo predpriiatiia. Moskva, Izd-vo "Mashinostroenie," 1964. 238 p.

MACHINE ACCOUNTING—BIBLIOGRAPHY see Bibliography—Machine accounting

MACHINE-GUN DRILL AND TACTICS

Firing a submachine gun with a rifle rest. D. Smirnov. Voen. vest. no. 3:110-112 Mr '64.

MACHINE PARTS—DRAWINGS

Ivanov, IU. B., and T. E. Solntseva. [Atlas of assembly drawings for details] Atlas sborochnykh chertezhei dlia detalirovok. Moskva, Mashgiz, 1963. 72 p.

MACHINE PARTS—WELDING

Sokolov, N. M. [Spot welding of small-size parts] Tochechnaia svarka malogabaritnykh detalei. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 118 p.

MACHINE-SHOP PRACTICE

[Handbook for a mechanical engineer in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N. S. Acherkan i dr. Moskva, Izd-vo "Mashinostroenie,"
Vol. 5. Book 2. Satel', E. A., ed. Izd. 3., ispr. i dop. 1964. 454-920 p.

Self-centering hinged dovetail remover. F. F. Sterlikov, A. V. Eremin. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:142-146 '62.

MACHINE SHOPS—LIGHTING

Visibility conditions in welding shops of the heavy machinery industry. L. P. Pavlova. Svetotekhnika 10 no. 4:6-9 Ap '64.

MACHINE-TOOL INDUSTRY

(see also subdivision under Czechoslovakia; Rumania)

Machine-tool industry in the U. S. S. R. P. M. Pen'kov. Stan. i instr. 35 no. 3:8-17 Mr '64.

New boundaries for the development of the machine-tool industry. Stan. i instr. 35 no. 3:1-2 Mr '64.

MACHINE TOOLS

Increasing the range and precision of movement regulation in universal machine tools used in lot production. B. S. TSfas, F. F. Sterlikov. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:51-60 '62.

Machine tool for bending brake belts. A. T. Popov. Transp. stroi. 13 no. 11:60-61 N '63.

New semiautomatic machine tools. Mekh. i avtom. proizv. 18 no. 5:37-40 My '64.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—ELECTRIC DRIVING

Energy investigation of power drives of automatic engineering machines. S. I. Artobolevskii, I. A. Klusov, V. G. Ustinov. Izv. vys. ucheb. zav.; mashinostr. no. 2: 174-186 '64.

Precise stopping of machine-tool drives with asynchronous motors. A. M. Meistel' and others. Stan. i instr. 35 no. 4:10-13 Ap '64.

MACHINE TOOLS—NUMERICAL CONTROL

Mechanisms for accurate stopping of operating elements of program-controlled precision machine tools. IU. Sh. Zbarskii, O. G. Tenner. Stan. i instr. 35 no. 4: 7-9 Ap '64.

MACHINE TOOLS—VIBRATION

Calculating the sensitivity of machine tools to the vibration of bases. V. V. Kaminskaia. Stan. i instr. 35 no. 3:33-37 Mr '64.

Effect of the vibration of the "machine tool-part-cutting tool" system on the durability of cutting tools. A. S. Kondratov, B. P. Barmin. Izv. vys. ucheb. zav.; mashinostr. no. 2:187-199 '64.

MACHINE TRANSLATING

Symposium on machine translating. I. I. Ratseva. NTI no. 12:45-46 '63.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. no. 5 My '64.

[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostr. no. 5 '64.

MACHINERY—CLASSIFICATION

Using punch-card machines in classifying parts. F. I. Paramonov. Vest. mashinostr. 44 no. 4:75-77 Ap '64.

MACHINERY—DESIGN AND CONSTRUCTION

Fatigue strength of thin-walled profiles during bending in various planes. G. V. Kabat. Dokl. TSKHA no. 87:441-450 '63.

"Fundamentals of efficient machinery design" by S. A. Kartavov. Reviewed by M. A. Bugai. Vest. mashinostr. 44 no. 4:88 Ap '64.

MACHINERY—ELECTRIC DRIVING

Sokolov, M. M., and V. I. Kliuchev. [Collection of networks for the control of electric drives of industrial machines] Sbornik skhem upravleniia elektroprivodami obshchepromyshlennykh mekhanizmov. Moskva, Mosk. energeticheskii in-t, 1963. 19 p.
[MICROFILM]

MACHINERY—RELIABILITY

Law of the distribution of random values for the calculation of the reliability of wearing elements of machines and instruments. V. N. Treier. Dokl. AN BSSR 8 no. 1:47-50 Ja '64.

Some economic aspects of the durability and reliability of machines. L. IA. Shukhgal'ter. Vest. mashinostr. 44 no. 4:69-74 Ap '64.

MACHINERY—SPECIFICATIONS

Technical instructions. R. Morolev. Vnesh. torg. 44 no. 4:60-69 '64.

MACHINERY—TESTING

Inspecting heat-treated machine parts. A. A. Sazonova. Standartizatsiia 28 no. 3:9-11 Mr '64.

MACHINERY, AUTOMATIC

Device for automating the moist thermal curing of reinforced concrete products. V. I. Krichevets, V. S. Rozenfel'd. Mekh. stroi. 21 no. 5:19-21 My '64.

MACHINERY, KINEMATICS OF

Analysis of the kinematic conditions of the operating process of a rotary excavator with a fixed boom. IU. A. Vetrov, P. A. Rudchenko. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:96-103 '64.

Kinematics of the mechanisms of the swinging of screened mills. Sh. M. Grigorian. Trudy Arm. NIIMESKH no. 1: 171-179 '63.

MACHINERY INDUSTRY

(see also subdivision under Odessa)

Decisions of the February Plenum of the CPSU and objectives of the machinery industry. L. A. Korbut. Vest. mashinostr. 44 no. 4:3-6 Ap '64.

Nauchno-tekhnicheskoe soveshchanie po voprosam staticheskoi i dinamicheskoi prochnosti materialov i konstruktivnykh elementov pri vysokikh temperaturakh. 2d., Kiev, 1962. [High temperature strength in the manufacture of machinery; transactions] Voprosy vysokotemperaturnoi prochnosti v mashinostroenii; trudy. Pod red. G. S. Pisarenko. Kiev, Izd-vo Akad. nauk USSR, 1963. 335 p.

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. no. 5 My '64.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—COSTS

Optimal planning of the national economy and the production cost indices of an industrial enterprise. A. A. Anikeich. Prim. mat. v ekon. no. 2:13-33 '64.

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Glagoleva, I.A., and I.V.Rakhlin. [Economic efficiency of using plastics in machinery manufacturing] Ekonomicheskaia effektivnost' primeneniia plastmass v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 157 p.

Use of plastics for the protection of threaded joints against spontaneous loosening. A.A.Shturman. Plast.massy no.3:63-64 '64.

MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Karaganda; Kazakhstan; Switzerland)

Spirin, A.A., F.L.Usyskin, and V.S.Fedulov. [Mechanization of computing work in the accounting and planning of machinery manufacturing enterprises] Mekhanizatsiia vychislitel'nykh rabot v uchete i planirovanii mashinostroitel'nogo predpriiatiia. Moskva, Izd-vo "Mashinostroenie," 1964. 238 p.

MACHINERY INDUSTRY—MATHEMATICAL MODELS

Determining the efficient size of machine part lots. B.I.Kuzin. Prim.mat.v ekon. no.2:59-77 '64.

MACHINERY INDUSTRY—STANDARDS

Standards for the machinery industry. Standartizatsiia 28 no.3:55-59 Mr '64.

A useful book. IA.V.Shaliko. Standartizatsiia 28 no.3:57-58 Mr '64.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Ukraine)

Important problem of technological progress. V.Korotkov. Plan.khoz. 41 no.5:67-72 My '64.

Machinery industry abroad. Mashinostroenie no.2:111-117 Mr-Ap '64.

MACHINERY INDUSTRY WORKERS see subdivision under Tashkent

MCQUEEN, STEVE

Pass to the Moscow festival. Isk.kino 34 no.1:128 '64.

MACROMOLECULAR COMPOUNDS

Achievements in the field of the synthesis of high molecular compounds. V.V.Korshak. Lakokras.mat.i ikh prim. no.1:4-9 '64.

Effect of a nonsolvent on the physicomechanical properties of concentrated polymer solutions. V.P.Stesikov, IU.V.Ovchinnikov, V.A.Kargin. Dokl. AN SSSR 155 no.2:422-425 Mr '64.

Effect of chain branching on the character of the molecular weight dependence of the hydrodynamic parameters of macromolecules [with summary in English]. I.IA. Poddubnyi, V.A.Grechanovskii. Vysokom.soed. 6 no.1:64-68 Ja '64.

Effect of the intrinsic viscosity of macromolecules on their deformability in the flow [with summary in English]. E.V.Frisman, Siui Mao [Hsü Mao]. Vysokom. soed. 6 no.1:41-46 Ja '64.

Macromolecular configuration of single chain globular proteins in spiralizing solvents [with summary in English]. V.P.Kushner, S.IA.Frenkel'. Biokhimiia 27 no.6:1111-1115 N-D '62.

Manufacture of nonwoven filter materials by means of the impregnation of fibrous systems with the dispersions of high polymers. E.T.Ustinova, S.S.Voiutskii. Izv. vys.ucheb.zav.; tekh.tekst.prom. no.1:92-96 '64.

Nature of the initiator and the phase state of acetaldehyde as influencing the chemical structure of macromolecules formed during acetaldehyde polymerization. I.M. Papisov and others. Dokl.AN SSSR 156 no.3:669-672 '64.

Orientation of flow birefringence and the kinetic rigidity of chain molecules [with summary in English]. V.N. TSvetkov, V.P.Budtov. Vysokom.soed. 6 no.1:16-21 Ja '64.

Process of the boiling of solutions containing macromolecular substances. V.G.Gleim, E.M.Lavrova. Zhur. prikl.khim. 37 no.4:896-897 Ap '64.

Theory of polyelectrolyte solutions. Part 5: Short range interaction of charged groups in stereoregular polyelectrolytes [with summary in English]. O.B.Ptitsyn, K.A.Sokolova, T.M.Birshtein. Vysokom.soed. 6 no.1:158-164 Ja '64.

Theory of the optical anisotropy of short or stiff chain macromolecules for the persistent chain model [with summary in English]. IU.IA.Gotlib. Vysokom.soed. 6 no.3:389-394 Mr '64.

CROMOLECULAR COMPOUNDS—ELECTRIC PROPERTIES

udy of the conformation and electrical properties of macromolecules based on the electric conductivity of their solutions in an electric field [with summary in English]. V.K.Ravin. Vysokom.soed. 6 no.1:103-106 Ja '64.

e of the dielectric properties of solutions of rodlike macromolecules for the determination of their length and polydispersity [with summary in English]. Marchal, E.Marchal. Vysokom.soed. 6 no.3:561-67 Mr '64.

MACROMOLECULAR COMPOUNDS—OPTICAL PROPERTIES

Effect of deformation on the optical and hydrodynamic behavior of macromolecules in solution [with summary in English]. E.V.Frisman, Siui Mao [Hsü Mao]. Vysokom.soed. 6 no.1:34-40 Ja '64.

MACROPHAGES

Effect of a single total-body gamma irradiation on macrophages. A.I.Braude. Dokl.AN SSSR 155 no.5:1188-1191 Ap '64.

Phagocytic capacity in cellular elements of macrophage cultures in vitro. Report No. 2 [with summary in English]. N.N.Ginsburg, T.N.Maslova. Zhur.mikrobiol., epid.i immun. 40 no.4:62-66 Ap '63.

MADAGASCAR see Malagasy Republic

MAGNANI, ANNA

Anna Magnani works on a role. Pier Paolo Pasolini. Isk.kino 34 no.2:126-129 '64.

MAGNESIUM—ANALYSIS

Determination of magnesium in acids and calcium tartrate by "lumomagnezon" of the Institute of Chemical Reagents. G.V.Serebriakova, E.A.Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:89-92 '62.

Determination of magnesium in water and acids with bissalicylidene-ethylenediamine. G.V.Serebriakova, E.A.Bozhevol'nov, G.S.Godlina. Metod.anal.khim. reak.i prepar. no.4:92-95 '62.

MAGNESIUM ALLOYS—FOUNDING

Measuring the temperature of magnesium alloys during the melting in induction furnaces. A.I.Rudnaia, N.I. Gaiduchenko, N.A.Romaniuk. Mashinostroenie no.2:48-50 Mr-Ap '64.

MAGNESIUM-CERIUM-NEODYMIUM ALLOYS

Crystalline structure of phases rich in magnesium in alloys of the systems magnesium-cerium and magnesium-neodymium. N.F.Lashko, G.I.Morozova. Kristallografiia 9 no.2:269-270 Mr-Ap '64.

MAGNESIUM IN THE BODY

Trilonometric determination of calcium and magnesium in the cerebrospinal fluid and other biological fluids. N.V.Siudmak, M.I.Gultur, E.M.Khudoshina. Lab.delo 8 no.9:55-59 S '62.

MAGNESIUM ISOTOPES

Separation of magnesium isotopes in vacuum distillation. IU.I.Pugachev, V.S.Rylov. Zhur.fiz.khim. 37 no.3:691-693 Mr '63.

MAGNESIUM ORGANIC COMPOUNDS

Iodometric determination of arylmagnesium compounds [with summary in English]. IU.N.Baryshnikov, A.A. Kvasov. Zhur.anal.khim. 19 no.1:117-120 '64.

MAGNESIUM OXIDES

Production of magnesium oxide by carbonization of an aqueous suspension of sepentinite. V.M.Kakabadze, Z.G.Nikolaishvili, N.G.Mshvenieradze. Trudy Inst. prikl.khim.i elektrokhim.AN Gruz.SSR 4:53-58 '63.

Study of the processes of modification of cast iron by means of high temperature galvanic cells. B.M.Lopinskikh, O.A.Esin. Zav.lab. 30 no.5:568-570 '64.

MAGNESIUM SALTS

(see also subdivision under Dnieper-Donets Lowland)

Magnesium 8-hydroxyquinolinate. E.IA.IArovenko, T.N.Rychkova. Metod.poluch.khim.reak.i prepar. no.6:54-55 '62.

MAGNESIUM SALTS—PHYSIOLOGICAL EFFECT

Effect of sodium and magnesium salts on the indices of reflex stimulation and physiological resonance. V.F. Shirokii. Nauch.trudy Riaz.med.inst. 15:178-186 '62.

MAGNESIUM SULFATE

Calculating the temperature dependence of the relaxation time of the dissociation rate of magnesium sulfate in fresh and sea water. V.P.Glotov. Akust.zhur. 10 no.1:40-47 '64.

MAGNESIUM SULFATE—PHYSIOLOGICAL EFFECT

Effect of magnesium sulfate, aminazine and hexonium on the adrenal cortex. IA.M.Miloslavskii. Nauch. trudy Riaz.med.inst. 15:71-79 '62.

Effect of magnesium sulfate and dimedrol on the rate of blood coagulation and on arterial pressure following experimental hypoprothrombinemia. G.V.Kochetkova. Nauch.trudy SamMI 21:213-219 '62.

MAGNESIUM SULFITE CRYSTALS

Stabilization of magnesium sulfite hexahydrate crystals by inhibiting additions of p-phenylenediamine. V.A. Pinaev. Zhur.prikl.khim. 37 no.4:898-899 Ap '64.

MAGNETIC AMPLIFIERS

Detection of higher even harmonics. R.IA.Berkman. Geofiz.prib. no.12:52-60 '62.

New network of a reversive magnetic amplifier with increased response. L.N.Tokarev. Izv.vys.ucheb. zav.; elektromekh. 7 no.3:382-385 '64.

MAGNETIC ANOMALIES

(see also subdivision under Asia; Dnieper Valley)

Analytic method for dividing anomalies. N.K.Stupak. Geofiz. sbor. no.5:60-65 '63

Interpretation of the anomalies of dipole electromagnetic profiling over solids of revolution (spheres, cylinders). V.Kh.Zakharov. Izv.AN SSSR.Ser.geofiz. no.4:[illegible]-560 Ap '64.

IUn'kov, A.A. [Interpretation of magnetic and gravity anomalies over stratified beds] Interpretatsiia magnitnykh i gravitatsionnykh anomalii nad plastoobraznymi telami. Moskva, Gosgeoltekhizdat, 1963. 36 p. diagr. (Insert)

Theory of the trial-and error method. V.N.Strakhov. Izv.AN SSSR,Ser.geofiz. no.4:494-509 Ap '64.

MAGNETIC CIRCUITS

Design of permanent magnets. T.S.Astashevskaia. Izv.vys.ucheb.zav.; elektromekh. 7 no.3:295-301 '64.

Govorkov, V.A. [A.C. networks with ferromagnetic cores] TSepi peremennogo toka s ferromagnitnymi serdechnikami; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 78 p. [MICROFILM]

MAGNETIC FIELDS

Characteristics of the domain structure of ferrites and its dynamics in rotating magnetic fields of variable intensity. L.V.Kirenskii and others. Izv.AN SSSR, Ser.fiz. 28 no.3:545-552 Mr '64.

Critical magnetic fields in superconducting niobium films [with summary in English]. I.G.D'iakov and others. Zhur.eksp.i teor.fiz. 46 no.3:831-833 Mr '64.

Equations of the motion of a magnetostrictive vibrator at different frequencies of a variable magnetic field. V.I.Skorobogatov. Trudy MIIT no.171:70-92 '63.

Instability of electron Langmuir oscillations of a plasma in the presence of a magnetic field. V.N.Oraevskii. Atom.energ. 16 no.5:441-443 My '64.

Interaction between a plasma and high-frequency fields in the presence of a constant uniform magnetic field. IU.A.Berezin and others. Zhur.tekh.fiz. 34 no.3:440-453 Mr '64.

Magnetic suspension of superconductors. L.V.Lazareva. Prib.i tekh.eksp. 9 no.2:181-184 Mr-Ap '64.

Molecules in a magnetic field. L.Miroshnichenko. Izobr.i rats. no.3:8-9 '64.

Motion of charged particles in a magnetic field. D.I. Morgunov. Vest.Mosk.un.Ser.3: Fiz.,astron. 19 no.2:3-7 Mr-Ap '64.

Phenomena of a critical magnetic field and anomalous diffusion in a lightly ionized plasma. A.M.Fridman. Dokl.AN SSSR 154 no.3:567-570 Ja '64.

Sinel'nikov, K.D., and others. [Study of a magnetic trap with a volume charge] Issledovanie magnitnoi lovushki s ob''emnym zariadom. Khar'kov, Fiziko-tekhn. in-t Akad. nauk USSR, 1960. 243-254 p.

Study of losses in metallic objects in the magnetic field of a current conductor. E.N.Zagorovskii, IU.G.Nemiantsev. Izv.vys.ucheb.zav.; energ. 7 no.4:12-17 Ap '64.

Use of conformal mappings in calculating an isodynamic field [with summary in English]. Kh.S.Reshotka. Dop.AN URSR no.2:147-151 '64.

MAGNETIC FIELDS (COSMIC PHYSICS)

Emission of gravitational waves by bodies moving in the field of a collapsing star. IA.B.Zel'dovich, I.D.Novikov. Dokl.AN SSSR 155 no.5:1033-1036 Ap '64.

Magnetic fields of collapsing masses and the nature of superstars. V.L.Ginzburg. Dokl.AN SSSR 156 no.1:43-46 My '64.

MAGNETIC INDUCTION

Studying nickel catalysts by the magnetic induction method. D.V.Sokol'skii, I.N.Azerbaev, I.V.Kirilius. Vest. AN Kazakh.SSR 19 no.11:40-47 N '63.

MAGNETIC MATERIALS

Characteristic thermomagnetic phenomena in ferromagnetic metals [with summary in English]. L.E.Gurevich, G.M.Nedlin. Zhur.eksp.i teor.fiz. 46 no.3:10[illegible]-1065 Mr '64.

Degree of localization of magnetic electrons in ferromagnetic metals and alloys as disclosed by experimental studies of the Nernst - Ettingshausen effect. E.I. Kondorskii, R.P.Vasil'eva. Izv.AN SSSR.Ser.fiz. 28 no.3:512-516 Mr '64.

Domain structure of antiferromagnetic materials with slight ferromagnetism. M.M.Farztdinov. Izv.AN SSSR.Ser.fiz. 28 no.3:590-595 Mr '64.

Domain structure of ferromagnetic crystals, films, and "whiskers" and its variation under various influences. L.V.Kirenskii and others. Izv.AN SSSR.Ser.fiz. 28 no.3:559-567 Mr '64.

Finiteness of the dimensions of a ferromagnetic as allowed for in the theory of domain structure. V.A.Ignatchenko, IU.V.Zakharov. Izv.AN SSSR.Ser.fiz. 28 no.3:568-571 Mr '64.

The Nernst - Ettingshausen effect in ferromagnetic metals and the degree of localization of magnetic electrons. E.I.Kondorskii. Izv.AN SSSR.Ser.fiz. 28 no.3:507-511 Mr '64.

MAGNETIC MATERIALS (Continued)

Saturation magnetization of ferrites [illegible] temperatures. [illegible] Izv. AN SSSR.Ser.fiz. 28 no.3:[illegible] '64.

Theory of the effective [illegible] ferromagnetic materials. [illegible] Izv.AN SSSR.Ser.fiz. 28 no.3:[illegible] '64.

Theory of the Hall effect in ferromagnetics. A. A. Abdurakhmanov. Vest.Mosk.un. Ser. 3: Fiz.,astr. 19 no.2:[illegible] Mr-Ap '64.

MAGNETIC MATERIALS—SPECTRA

[illegible] ferromagnetics. [illegible] Izv.AN SSSR.Ser.fiz. 28 no.3:[illegible] '64.

MAGNETIC MATERIALS—TESTING

Measuring [illegible] sensing elements [illegible] '64.

Measurement [illegible] '64.

MAGNETIC MEASUREMENTS

Tarasov, E. I. [Resonance method for measuring the magnetic flux [illegible] alternating magnet fields] [illegible] Moskva, Vych.tsentr AN SSSR, 1964. 23 p. (Trudy Vychislitel'nogo tsentra)

MAGNETIC MEMORY (COMPUTERS)

Magnetic [illegible]

Magnetic [illegible]

[illegible]

MAGNETIC RANGES

[illegible]

MAGNETIC RESONANCE AND RELAXATION

[illegible]

[illegible]

[illegible] [Textbook on small magnetic [illegible]] [illegible] 1964. 50 p. [illegible]

[illegible]

[illegible]

MAGNETISM

[illegible]

[illegible]

MAGNETISM, TERRESTRIAL

(see also subdivision under Ferghana Valley)

Effect of [illegible] of a magnetic field [illegible] Izv. AN SSSR.Ser. geofiz. no.[illegible] Ap '64.

Field variations [illegible] stations [illegible] Zeman. [illegible] '64.

Fluxes of the [illegible] of a [illegible] and [illegible] Izv. AN SSSR. no.[illegible] '64.

Differences of the [illegible] of artificial geomagnetism. [illegible] Izv. AN SSSR. Ser. geofiz. no.[illegible] Ap '64.

Some of the most important problems in the study of paleomagnetism. [illegible] Izv., geofiz. [illegible] Ap '64.

Use of the [illegible] of the [illegible] in determining the direction of the primary magnetization of rocks. [illegible] Izv. AN SSSR. Ser. geofiz. no.[illegible] Ap '64.

MAGNETITE see subdivision under Ural Mountains

MAGNETIZATION

Concentration dependence of the magnetic moment in certain solid solutions with a spinel and perovskite structure. [illegible] Izv.AN SSSR.Ser.fiz. 28 no.[illegible] '64.

Disturbance of the homogeneity of magnetization intensity within ferromagnetic domains. [illegible] and others. Izv.AN SSSR.Ser.fiz. 28 no.3:[illegible] Mr '64.

Experimental determination of exchange integrals in Fe, Co, and Ni. [illegible] Izv.AN SSSR. Ser.fiz. 28 no.3:[illegible] Mr '64.

MAGNETOS

Operating ignition model. N.Suvorov. Shkola i proizv. 6 no.3:81 Mr '64.

MAGNETOHYDRODYNAMICS

[illegible] of a lifting force in magnetohydrodynamics. [illegible] Prikl. mat. i mekh. 28 no.2:[illegible] '64.

Effect of electron inertia on the width of a shock wave front in magnetohydrodynamics. [illegible] Zhur. tekh. fiz. 34 no.[illegible] '64.

[illegible] a conducting field past a [illegible] Zhur. tekh. fiz. 34 no.[illegible] '64.

Kirko, I. M. [Liquid metal in an electromagnetic field] Zhidkii metall v elektromagnitnom pole. Moskva, Izd-vo "Energiia," 1964. 159 p.

[illegible] Dokl. AN SSSR [illegible] '64.

[illegible] field. [illegible] Prikl. mat. i mekh. 28 no.[illegible] Mr-Ap '64.

[illegible] Izv. vys. ucheb. zav.; prib. [illegible] '64.

MAGNETOMETER

[illegible]

[illegible]

MAGNETOMETER—TESTING

[illegible]

MAGNETOSTRICTION

Magnetostriction of [illegible] ferromagnetic crystals. [illegible] Izv. AN SSSR.Ser.fiz. 28 no.3:[illegible] Mr '64.

Use of the magnetostriction method in studying exchange [illegible] ferromagnetic [illegible] Izv. AN SSSR.Ser.fiz. 28 no.3:[illegible] Mr '64.

MAGNETS

[illegible] Mr '64.

Design of permanent magnets. [illegible] '64.

[illegible]

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

[illegible] '64.

[illegible] [Works of V. Maiakovskii in Uzbek. Translated] [illegible] 1964. 209 p. [In Uzbek]

[illegible]

MAIBORODA, GEORGII ILLARIONOVICH, 1913-

[illegible]

MAIZE see Corn (Maize)

MAKARCHENKO, ALEKSANDR FEDOROVICH, 1903-

[illegible]

MAKARENKO, ANTON SEMENOVICH, 1888-1939

[illegible]

Valuable work on the pedagogical system of A.S. Makarenko. [illegible] '64.

MAKHTUM-KULI, 1733-1782

Makhtum-Kuli. [Makhtum-Kuli; articles dedicated to the 225th anniversary of the birth of the great poet] [illegible] Ashkhabad, 1959. 317 p. [In Turkmen] [illegible]

MALAGASY REPUBLIC

Economic and cultural development of the Malagasy Republic. [illegible] Vest. AN SSSR 34 no.[illegible] '64.

MALAYSIA, FEDERATION OF—MILITARY ASSISTANCE, AUSTRALIAN

Growing appetite. A. Pleshov. Mezhdunar. zhizn' 11 no.5:108-110 My '64.

MALAYSIA, FEDERATION OF—POLITICS AND GOVERNMENT

The Malaysian knot. D. Vol'skii. Nov. vrem. 21 no.21: 10-11 My '64.

Workers are against imperialists' maneuvers in Southeastern Asia. W. Dinjokusumo. Vses. prof. dvizh. no.11:28-30 N '63.

MALAYSIA, FEDERATION OF—POSTAGE STAMPS

"Attribute of good manners." A. Shilkov. Az. i Afr. seg. 7 no.5:60 My '64.

MALAYSIA, FEDERATION OF—STRIKES AND LOCKOUTS

Workers are against imperialists' maneuvers in Southeastern Asia. W. Dinjokusumo. Vses. prof. dvizh. no.11:28-30 N '63.

MALEIC ANHYDRIDE

Synthesis and investigation of hydrophilic copolymers of maleic anhydride. N. K. Baramboim, V. A. Goncharova. Nauch. trudy MTILP no.26:38-45 '62.

MALETS, ARKADII MIKHAILOVICH, d. 1963

In memory of Arkadii Mikhailovich Malets. V. N. Bordunov and others. Khim. prom. no.3:233 Mr '64.

MALONAMIDE

Malonic acid diamide. N. N. Nadlo-Shestakov. Metod. polucheniia khim. reak. i prepar. no.9:101-102 '64.

MAMAKAN HYDROELECTRIC POWER STATION

Bratkin, N. M. [The youngest in a family of giants] Mladshaia v sem'e gigantov. [Irkutsk] Irkutskoe knizh. izd-vo, 1963. 28 p. (Rasskazy o sibirskikh stroikakh)

MAMELUKES

Newly found Arabic-Kipchak dictionary from the Mameluke state. [illegible] Nar. Az. i Afr. [illegible] '64.

MAMMALS see subdivision under Lithuania

MAMMALS—EMBRYOLOGY see Embryology—Mammals

MAMMALS, Fossil.

(see also subdivision under Kirghizistan)

Concerning V. I. Gromov, E. A. Vangengeim and K. V. Nikiforova's article "Stages of the development of Quaternary mammalian fauna as a reflection of the evolutionary stages of the earth." V. A. Zubakov, I. I. Krasnov. Izv. AN SSSR. Ser. geol. 29 no.5:[illegible] My '64.

MAN

[illegible] of [illegible] on the [illegible] [illegible] '62.

MAN—INFLUENCE OF CLIMATE see subdivision under Uzbekistan

MAN—ORIGIN

Gauthier, F. [Origin of man] Cilveka izcelsanas. Riga, Latvijas PSR Zinatnu Akad., 1964. 61 p. [In Latvian]

[illegible] '64.

MAN, PREHISTORIC see subdivision under Armenia

MANGANESE

(see also subdivision under Black Sea)

[illegible] plants for their manganese content [illegible] to England]. [illegible] '63.

MANGANESE—PHYSIOLOGICAL EFFECT

Effect of different quantities of manganese in the food of white rats on the growth and development of bones. [illegible] Vop. pit. 21 no.5:[illegible] '62.

MANGANESE—RADIOACTIVE PROPERTIES

Levin, V. I. [Radioactive manganese] Radioaktivnyi marganets. Moskva, Atomizdat, 1964. 13 p.

MANGANESE—SPECTRA

Estimation of the state of chemical bonds from the superfine structure of electron paramagnetic resonance spectra of manganese. L. V. Borsiov, A. N. Marfunin. Dokl. AN SSSR 155 no.[illegible] Mr '64.

MANGANESE ACETATES

Manganese tetraacetate as oxidizer of organic compounds. V. M. Lekovkova, [illegible] Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no.[illegible] '63.

MANGANESE ALLOYS

Electrochemical properties of MnFe and MnSi electrodes. [illegible] Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:[illegible] '63.

MANGANESE CARBONATES—MAGNETIC PROPERTIES

Threshold resonance saturation in antiferromagnetic $MnCO_3$. A. S. Borovik-Romanov, L. A. Prozorova. Zhur. eksp. i teor. fiz. 46 no. 3:1151-1152 Mr '64.

MANGANESE COMPOUNDS

Phosphorylation of cyclopentadienylmanganese tricarbonyl. A. N. Nesmeianov, K. N. Anisimov, Z. P. Valueva. Izv. AN SSSR. Ser. khim. no. 4:763-764 Ap '64.

MANGANESE ELECTRODES see **Electrodes, Manganese**

MANGANESE FERRATES

Study of equilibrium conditions in the reduction of manganese ferrite by hydrogen [with summary in English]. B. D. Averbukh and others. Zhur. fiz. khim. 36 no. 11:2436-2441 N '62.

MANGANESE HYDROXIDES

Production of potassium manganate from manganous hydroxide. Kh. G. Purtseladze, T. K. Chkonila. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:59-67 '63.

MANGANESE IN THE BODY

Effect of manganese on the vitamin B_1 requirement in animals [with summary in English]. Z. Zh. Gude. Vop. pit. 21 no. 6:49-52 N-D '62.

Effect of the removal of the pancreas on the manganese content of dog tissues and organs [with summary in English]. H. O. Babenko, Z. V. Karpliuk. Ukr. biokhim. zhur. 35 no. 5:732-736 '63.

MANGANESE-IRON ALLOYS

Nitration of manganese-iron alloys. G. Sh. Mamporiia. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:37-44 '63.

MANGANESE-IRON ALLOYS—MAGNETIC PROPERTIES

Low-temperature magnetic annealing in Mn - Fe ferrites. K. M. Bol'shova. Izv. AN SSSR. Ser. fiz. 28 no. 3: 596-600 Mr '64.

MANGANESE MINES AND MINING

Zurabishvili, I. I. [Underground mining of manganese deposits] Podzemnaia razrabotka margantsevykh mestorozhdenii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 407 p.

MANGANESE ORES see subdivision under **Pripet Valley; Ukraine; Ural Mountains**

MANGANESE OXIDES

Kinetics and the mechanism of the reduction of manganese oxides by carbon. Report No. 1. A. K. Ashin, S. T. Rostovtsev. Izv. vys. ucheb. zav.; chern. met. 7 no. 4: 11-19 '64.

Preparation of manganese dioxide by the electrolysis of an aqueous solution of manganese sulfate at high temperature. E. M. Ungiadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:29-35 '63.

MANGANESE STEEL—WELDING

Semiautomatic welding of 09G2DT(M) steel in carbon dioxide. E. A. Asnis. Svar. proizv. no. 11:23-25 N '63.

MANGANESE SULFATES

Preparation of manganese dioxide by the electrolysis of an aqueous solution of manganese sulfate at high temperature. E. M. Ungiadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:29-35 '63.

MANGYSHLAK PENINSULA—AMMONOIDEA, FOSSIL

New ammonites from the "Doriceranitic" horizon of the Mangyshlak Peninsula. T. V. Astakhova. Dop. AN URSR no. 3:378-382 '64.

MANGYSHLAK PENINSULA—FORAMINIFERA, FOSSIL

Zones of large foraminifers in the Eocene sediments of the Mangyshlak Peninsula. N. N. Barkhatova, G. I. Nemkov. Dokl. AN SSSR 155 no. 3:549-551 Mr '64.

MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY

Let us create new oil and gas producing centers in Western Siberia and the southern Mangyshlak Peninsula. Geol. nefti i gaza 8 no. 1:1-6 Ja '64.

MANIC-DEPRESSIVE PSYCHOSES

Nature of manic-depressive psychosis. Report No. 2: Genotypic components in the changes of the resistance of a patient's organism. G. K. Ushakov. Sbor. nauch. rab. IAr. med. inst. no. 21:145-154 '59.

Nature of manic-depressive psychosis. Report No. 3: Genotypic components in the changes of the resistance of a patient's organism. G. K. Ushakov. Sbor. nauch. rab. IAr. med. inst. no. 21:155-164 '59.

Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 1: Role of exogenic injuries in the course of maniacal and melancholic variants. A. IA. Levinson. Trudy Dush. med. inst. 61:15-26 '63.

Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 2: Affective pathology in psychoses of the maniacal and melancholic variants of circular schizophrenia. A. IA. Levinson. Trudy Dush. med. inst. 61:27-33 '63.

Nuclear group of circular schizophrenia and two of its clinical variants. Report No. 3: Remission in two variants of circular schizophrenia. A. IA. Levinson. Trudy Dush. med. inst. 61:34-44 '63.

Some pathognomonic clinical features and problems of nosological characterization of manic-depressive psychosis. G. K. Ushakov. Sbor. nauch. rab. IAr. med. inst. no. 21:133-144 '59.

MANOMETER

Pressure sensor. I. F. Sivov. Trudy VNIING no. 2:106-107 '63.

MANOMETER—DESIGN AND CONSTRUCTION

Theory of manometer springs. A. G. Lopukhin. Nauch. trudy MTILP no. 26:214-224 '62.

MANRAK RANGE REGION—BENTONITE

Manrak group of bentonitic clay deposits in the Zaysan Depression. V. S. Erofeev. Izv. AN Kazakh. SSR. Ser. geol. 21 no. 2:18-28 Mr-Ap '64.

MANSOUR, HASSAN ALI, 1923-

Hassan Ali Mansour. Nov. vrem. 21 no. 19:7 My '64.

MANUAL TRAINING

Conditions for manual training. V. P. Semenikhin. Shkola i proizv. 8 no. 3:21-23 Mr '64.

From our practice. P. IA. Levin. Shkola i proizv. 8 no. 3:17-20 Mr '64.

Textbook for manual training teachers. M. Vich. Rad. shk. 42 no. 2:109 F '64.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur.: Kommun., byt. i torg. obor. nos. 5-6 My-Je '64.

[Light industry] Ref. zhur.: Leg. prom. nos. 4-5 Ap-My '64.

MANURE SPREADERS—LABOR PRODUCTIVITY see subdivision under **Ukraine**

MANUSCRIPTS

Paleographic and phonetic analysis of the Vygoleksinsk collection of the 12th and 13th centuries. T. M. Sudnik. Uch. zap. Inst. slav. 27:173-205 '63.

MANUSCRIPTS—CONSERVATION AND RESTORATION

In the Laboratory for the Conservation and Restoration of Documents. V. S. Liublinskii. Vest. AN SSSR 34 no. 1: 127 Ja '64.

MANUSCRIPTS, ARMENIAN

(see also subdivision under **Erivan; Ukraine**)

Chronicle of Hetum, owner of the Akhtik estate, and chronicle of Vasil Maradzhakht [in Armenian with summary in Russian]. A. S. Matevosian. Ist.-filol. zhur. no. 4:183-202 '63.

Philological research [in Armenian with summary in English]. G. V. Abgarian. Izv. AN Arm. SSR. Obshchestv. nauki no. 1:75-84 Ja '64.

MANUSCRIPTS, CHINESE—CATALOGS

Akademiia nauk SSSR. Institut narodov Azii. [Chinese manuscripts from Tun Huang; monuments of Buddhist folk literature] Kitaiskie rukopisi iz Dun'khuana; pamiatniki buddiiskoi literatury suven'siue. Izd. tekstov i predisl. L. N. Men'shikova. Moskva, Izd-vo vostochnoi lit-ry, 1963. 73 p. (Teksty. Bol'shaia seriia, XV)

Vorob'eva-Desiatovskaia, M. I., and others. [Description of the Chinese manuscripts of the Tun Huang Collection in the Institute of the Peoples of Asia] Opisanie kitaiskikh rukopisei Dun'khuanskogo fonda Instituta narodov Azii. Moskva, Izd-vo vostochnoi lit-ry.

No. 1. 1963. 773 p.

MANUSCRIPTS, ORIENTAL see subdivision under **Gorno-Badakhshan Autonomous Province**

MAPLE see subdivision under **Volgograd Province**

MAPS, EARLY see subdivision under **Siberia**

MARAL see subdivision under **Sayan Mountains**

MARES

Characteristics of lactation in mares. Kh. Diusembin. Trudy Inst. fiziol. AN Kazakh. SSR 5:98-112 '63.

MARINE BIOLOGY

Methods for increasing the productivity of the biosphere as exemplified by the populations of commercial aquatic organisms [with summary in English]. G. V. Nikol'skii. Zool. zhur. 43 no. 3:398-408 '64.

MARINE BOILERS see **Boilers, Marine**

MARINE DIESEL ENGINES

Prospective low-speed marine diesel engines. M. I. Korchagin. Inform. sbor. TSNIIMF no. 87. Tekh. ekspl. mor. flota no. 20:3-21 '62.

MARINE ECOLOGY

Existence of a relation between fecundity and abundance in marine Harpacticoida (Crustacea, Copepoda). L. L. Chislenko. Dokl. AN SSSR 155 no. 2:451-453 Mr '64.

MARINE ENGINEERING

Gorokhovskii, S. M. [Balancing of ship propelle Balansirovka grebnykh vintov. Leningrad, "Sudo stroenie," 1964. 142 p.

Marine multiple spot equipment for measuring a naling temperatures (AIST) with the use of semi conductor thermistors. E. A. Kaliazin, G. P. Tu Inform. sbor. TSNIIMF no. 87. Tekh. ekspl. mor. no. 20:102-106 '62.

Verete, A. G. [Marine power plants; collection of l tures] Sudovye silovye ustanovki; sbornik lektsii, skva, Izd-vo "Morskoi transport."

No. 1. [Principles of heat engineering] Osno teplotekhniki. 1963. 64 p. (Lektsii dlia za kov)

MARINE ENGINES—COOLING

Preventing the corrosion of cooling jackets on mar internal combustion engines. A. A. Vysotskii and others. Inform. sbor. TSNIIMF no. 87. Tekh. eksp mor. flota no. 20:57-82 '62.

MARINE MICROBIOLOGY

(see also subdivision under **Black Sea; Caspian Se**

Methods of microbiological research in the sea in the of current problems in marine microbiology. IU. I. kin. Okeanologiia 4 no. 2:349-353 '64.

MARINE PUMPS

Kortsenshtein, E. IA. [Submersible electric marine pumps] Sudovye pogruzhnye vodootlivnye elektrona Leningrad, Izd-vo "Sudostroenie," 1964. 173 p.

Pevzner, B. M. [Marine centrifugal and axial pumps] Sudovye tsentrobezhnye i osevye nasosy. Izd. 2., perer. i dop. Leningrad, "Sudostroenie," 1964. 384 p.

MARINE SEDIMENTS see subdivision under **Azov, Se**

MARINO SHEEP see subdivision under **Caucasus, Nor**

MARITIME TERRITORY—ARCHITECTURE AND CLIMATE

Characteristics of the climate of the Maritime Territor and accounting for them in the planning of buildings. TSvid, O. P. Gutorova. Sbor. nauch. rab. DVNIIS no. 75-86 '62.

MARITIME TERRITORY—FISHING BOATS

Mechanized packing of ropes of dragnets used in goby fisheries. E. G. Poliushkina. Ryb. khoz. 40 no. 3:3 34 '64.

MARITIME TERRITORY—LOAM SOILS—PERMEABILIT

Permeability of silty loams of natural stratification. V. M. Piskun. Sbor. nauch. rab. DVNIIS no. 3:123-1 '62.

MARITIME TERRITORY—ORE DEPOSITS

Use of gamma-gamma logging in tin and complex metal deposits of the southern Maritime Territory [with summary in English]. A. N. Makarov. Vest. LGU 19 no. 148-151 '64.

MARITIME TERRITORY—PLASTICS IN BUILDING

Waterproof rubber-rhabdopissite plastics. N. I. Oransk Sbor. nauch. rab. DVNIIS no. 3:182-190 '62.

MARITIME TERRITORY—RADIOACTIVE PROSPECTING

Use of gamma-gamma logging in tin and complex metal deposits of the southern Maritime Territory [with summary in English]. A. N. Makarov. Vest. LGU 19 no. 6: 148-151 '64.

MARITIME TERRITORY—RIVERS

Characteristics of the use of alluvial waters of the river in the southern part of the Maritime Territory. G. I. Trofimuk. Sbor. nauch. rab. DVNIIS no. 3:146-150 '62.

MARITIME TERRITORY—SEDIMENTS (GEOLOGY)

Marine Quaternary sediments of the Maritime Territory. V. V. Solov'ev. Trudy VSEGEI 90:117-125 '63.

MARITIME TERRITORY—WALLS—THERMAL PROPERTIES

Percentage increases in the basic heat losses by vertical enclosures for the coastal districts of the Maritime Territory. O. P. Gutorova. Sbor. nauch. rab. DVNIIS no. 3:66-74 '62.

MARITIME TERRITORY—WATER SUPPLY

Characteristics of the use of alluvial waters of the rivers in the southern part of the Maritime Territory. G. I. Trofimuk. Sbor. nauch. rab. DVNIIS no. 3:146-150 '62.

MARKHA VALLEY—PALEOGEOGRAPHY

Paleogeography of the Markha and Tyung interfluve in the Cenozoic as related to the history of the formation of diamond placers (Eastern Siberia). M. I. Plotnikova and others. Trudy VSEGEI 90:81-96 '63.

MARKHAMATSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

Guidance extended by the party committee of the Markhamatskiy District Production Administration to the primary party organizations on collective farms. Part. zhizn' [Uzb.] 7 no. 4:8-14 Ap '64.

MARKING DEVICES

Mechanical marking of cutting tools. I. N. Frolikova, I. K. Linnikov. Mashinostroenie no. 2:19 Mr-Ap '64.

MARKOV PROCESSES

Correlation functions of a Gaussian Markov process. G.I. Kalmykov. Dokl. AN SSSR 156 no. 3:495-498 '64.

Existence of ε -optimal homogeneous Markov strategies for a controlled chain. N. V. Krylov. Dokl. AN SSSR 155 no. 4:747-750 Ap '64.

MARKOVICH, MARIIA OLEKSANDRIVNA (VILINSKAIA) 1834-1907

Literary ties of Shevchenko, Dobroliubov, and Marko Vovchok. T. M. Riznychenko. Rad. lit. 8 no. 2:60-66 Mr-Ap '64.

MARKOVO OIL FIELD—PETROLEUM GEOLOGY

Basic problems of the prospecting in the Markovo oil field in Eastern Siberia. A. A. Trofimuk and others. Geol. nefti i gaza 8 no. 1:15-20 Ja '64.

MARMOTS

(see also subdivision under Siberia, Western)

Bobacs. V. V. Gruzdev. Priroda 53 no. 5:112 '64.

MARR, NIKOLAI IAKOVLEVICH, 1864-1934

Unpublished letters of N. IA. Marr. [in Armenian with summary in Russian]. P. E. Simonian. Ist.-filol. zhur. no. 4:176-182 '63.

MARRIAGE

(see also subdivision under Uzbekistan)

Before and after the wedding. S. Gazarian. Sem'ia i shkola 19 no. 1:6-7 Ja '64.

Clinical characteristics of a syndrome of exaggerated ideas of marital infidelity. I. N. Timofeev. Zhur. nevr. i psikh. 64 no. 3:390-397 '64.

MARRIAGE CUSTOMS AND RITES see subdivision under Indonesia

MARROW

Data on fluorescent examination of blood cells and bone marrow in healthy persons. G. P. Molotilova. Lab. delo no. 5:259-263 '64.

Modified method for detecting myeloperoxidase. R. P. Nartsissov. Lab. delo no. 3:150-151 '64.

MARROW—THERAPEUTIC USE

Characteristics of the course of radiation sickness in mice subjected to treatment with bone marrow and immunization. O. P. Lebedeva, N. A. Maksimovich. Dokl. AN SSSR 155 no. 2:454-456 Mr '64.

MARS (PLANET)—OBSERVATIONS

Dust formations in the atmosphere of Mars and the color of Martian seas. N. P. Barabashov. TSir. Astron. obser. Khar. un. no. 26:3-13 '63.

Preliminary results of the total spectrophotometry of Mars. N. B. Ibragimov. TSir. Astron. obser. Khar. un. no. 26:37-42 '63.

MARS (PLANET)—SPECTRA

Observations of the infrared Mars spectrum in the λ 1, 1-4, 1 μ range. V. I. Moroz. Astron. tsir. no. 262:4-5 O '63.

Spectrophotometry of Venus and Mars in the 7, 000-10, 000 A range. V. F. Esipov, V. I. Moroz. Astron. tsir. no. 262:1-3 O '63.

MARSILIUS OF PADUA, d. 1342?

Marsilius of Padua's "Defender of peace" and the struggle of the Empire against the mundane claims of Popedom in the beginning of the 14th century. A. G. En'ko. Vest. Mosk. un. Ser. 9: Ist. 19 no. 2:50-61 Mr-Ap '64.

MARTENSITE

Reversible martensite transformations of a special kind in titanium $\alpha+\beta$ alloys [with summary in English]. M. F. Lashko. Dop. AN URSR no. 4:502-505 '64.

MARTITE see subdivision under Krivoy Rog Basin

MARX, KARL, 1818-1883

Kryvelev, I. A. [Marx and Engels on religion] Marks i Engel's o religii. Moskva, Izd-vo "Nauka," 1964. 206 p. (Nauchno-populiarnaia seriia)

[Their simplicity and humanity] Ikh prostota i chelovechnost'. Moskva, Politizdat, 1964. 334 p.

MARY OASIS see Murgab Oasis

MASS SPECTROMETRY

Analysis of the compensation system for the precision measurements of isotope abundance ratios. V. I. Ustinov, V. A. Grinenko. Zav. lab. 30 no. 5:578-580 '64.

Analyzing natural gases for helium by mass spectrometry. I. A. Demenkov. Trudy GrozNII no. 15:351-352 '63.

Determination of the isotopic composition of silver with an MI-1305-type mass spectrometer. N. P. Grudinkina. Trudy inst. Kom. stand., mer i izm. prib. no. 68:117-119 '63.

Device for automatic switching of a mass spectrometer. V. I. Zubkov. Prib. i tekh. eksp. 9 no. 2:127-128 Mr-Ap '64.

Electron affinity energy of copper, silver, and gold atoms as determined by the surface ionization method. I. N. Bakulina, N. I. Ionov. Dokl. AN SSSR 155 no. 2:309-311 Mr '64.

Isotopic analysis of silicon with the aid of a mass spectrometer. R. G. Arshakuni, A. M. Kolchin, G. M. Pamchenkov. Zhur. fiz. khim. 37 no. 3:677-679 Mr '63.

Mass-spectrometric determination of infinitesimal quantities of boron in certain materials. L. IA. Memlova, G. M. Kukavadze, B. V. Ershler. Atom. energ. 16 no. 5:423-426 My '64.

Mass spectrometry of natural furanocoumarins. N. S. Vul'fson, V. I. Zaretskii, V. G. Zaikin. Dokl. AN SSSR 155 no. 5:1104-1107 Ap '64.

Measuring the kinetic energy of fragmentary ions in a mass spectrometer. Part 1: Analysis of line shapes. M. V. Gur'ev, L. V. Sumin, N. N. Tunitskii. Zhur. tekh. fiz. 34 no. 3:536-545 Mr '64.

Omegatron mass-spectrometer for analyzing residual gases in high-vacuum systems. A. P. Averina and others. Prib. i tekh. eksp. 9 no. 2:121-125 Mr-Ap '64.

Thermionic on sources for mass spectrometry. M. G. Pevzner. Trudy inst. Kom. stand., mer i izm. prib. no. 68:120-127 '63.

Use of a pulse mass-spectroscope in studying adsorption characteristics by the flash method. V. N. Ageev, N. I. Ionov, IU. K. Ustinov. Zhur. tekh. fiz. 34 no. 3:546-557 Mr '64.

MASS SPECTROMETRY—EQUIPMENT AND SUPPLIES

Method for producing glass and quartz diaphragms for flow type systems of mass spectrometers. V. P. Strunin, E. L. Frankevich. Prib. i tekh. eksp. 9 no. 2:175-176 Mr-Ap '64.

Simple method for improving the high vacuum in MI-1305 mass spectrometers. IU. E. Sollaninov, K. V. Khomich. Prib. i tekh. eksp. 9 no. 2:174-175 Mr-Ap '64.

MASS TRANSFER

Concerning V. M. Ramma and A. IU. Zakgeim's reply. V. V. Kafarov. Zhur. prikl. khim. 37 no. 4:892 Ap '64.

Determining the complete resistance of bubble sieve plates. V. P. Pavlov. Khim. prom. no. 3:228-232 Mr '64.

Determining the experimental potential of mass transfer. L. M. Nikitina. Dokl. AN BSSR 8 no. 1:36-38 Ja '64.

Dynamic method of studying mass transfer during the movement of drops. M. Kh. Kishinevskii, T. S. Kornienko. Zhur. prikl. khim. 37 no. 4:844-851 Ap '64.

Nikitina, L. M. [Tables of mass transfer coefficients for moist materials] Tablitsy koeffitsientov massoperenosa vlazhnykh materialov. Pod red. A. V. Lykova. Minsk, Izd-vo "Nauka i tekhnika," 1964. 136 p.

Relation between heat and mass transfer during massecuite cooling in crystallizers. I. A. Bolokon', I. S. Gulyi. Trudy KTIPP no. 27:90-96 '63.

Theory of transfer phenomena in a nonisothermal completely ionized plasma. L. M. Gorbunov, V. P. Silin. Zhur. tekh. fiz. 34 no. 3:385-394 Mr '64.

Transfer equations for a three-component plasma in a magnetic field. I. P. Stakhanov, A. S. Stepanov. Zhur. tekh. fiz. 34 no. 3:399-409 Mr '64.

MASS TRANSFER—HYDRODYNAMICS

Fundamentals of the hydrodynamic theory of mass transfer. E. IA. Susanov. Trudy KF VNII no. 8:44-50 '62.

MASTICS see subdivision under Cherkassy Province

MASTODON see subdivision under Taman' Peninsula

MASTURBATION

This can be avoided. S. Fainberg. Sem'ia i shkola 19 no. 1:37-38 Ja '64.

MATERIALS—TESTING

Determining the physical and mechanical properties of materials by the electroacoustic method. V. A. Pavlenko. Mekh. i elek. sots. sel'khoz. 22 no. 1:41-44 '64.

MATERIALS AT HIGH TEMPERATURES

Session of the Council of the Academy of Sciences of the Ukrainian S.S.R. on the problem "High-temperature thermophysics." A. Satanovskii. Teplofiz. vys. temp. 1 no. 2:321-323 S-O '63.

MATERIALS HANDLING

SM-1004 installation for automatic unloading and stacking of gypsum plaster board sheets. S. A. Kivrin. Stroi. mat. 10 no. 1:27-29 Ja '64.

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp. no. 5 My '64.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Mechanization of loading, unloading and mechanical operations in the liming shops. I. D. Verbitskaia. Kozh.-obuv. prom. 6 no. 4:34-35 Ap '64.

Mechanization of the unloading of frozen bulk load. IU. A. Noskov. Vest. TSNII MPS 23 no. 3:42-46 '64.

MATHEMATICAL ANALYSIS

Frolov, N. A. [Course in mathematical analysis, book for pedagogical institutes] Kurs matematic analiza; posobie dlia pedagogicheskikh institutov skva, Prosveshchenie.

Pt. 1. Izd. 2., perer. 1964. 383 p.

MATHEMATICAL ECONOMICS see Economics, ical

MATHEMATICAL INSTRUMENTS

Calculating appliance. M. Sysoev. Shkola i proiz no. 3:79-80 Mr '64.

MATHEMATICAL LINGUISTICS

Bulgarian adjective in the structural aspect. E Selian. Izv. AN Arm. SSR. Obshchestv. nauki n 34 Ja '64.

Determining set of relations in algebra of regula V. N. Red'ko. Ukr. mat. zhur. 16 no. 1:120-126

Method of a formal description of a language (bas material for a mathematical text). A. G. Edigar S. A. Kiazumova, E. D. Fel'dman. NTI no. 12:4

Solution of the word identity problem for a certa of groups by means of Dehn's algorithm and sol the conjugacy problem by means of an extension Dehn's algorithm. Martin Greendlinger. Dokl. 154 no. 3:507-509 Ja '64.

MATHEMATICAL RECREATIONS

Eidel's, L. M. [Little huts on little roads] Izbus dorozhkakh. Moskva, Detgiz, 1960. 175 p. (IEN)

MATHEMATICAL STATISTICS

Druzhinin, N. K., and N. I. Krylova. [Textbook o mathematical statistics; fundamental formulae] noe posobie po matematicheskoi statistike; osno formuly. Moskva, Mosk. in-t nar. khoz. im. G. V Plekhanova, 1963. 30 p.

Mathematical statistics elements in the analysis o turnover of goods. L. Genkina. Sov. torg. 37 26-29 Mr '64.

Mevzos, L. M. [Methodological textbook on math cal statistics] Metodicheskoe posobie po matem skoi statistike. Khar'kov, Khar'kovskii sel'khoz 1963. 98 p.

Remarks on the Fisher - Welch - Wald test. IU. Linnik. Dokl. AN SSSR 154 no. 3:514-516 Ja

MATHEMATICAL STATISTICS—CONGRESSES

All-Union Conference on the theory of probabilitie mathematical statistics. A. Shiriaev. Zav. lab. no. 5:630 '64.

Conference on the methodological problems of sta cal measurement of production quality and relia V. S. Vest. stat. no. 5:75-77 '64.

MATHEMATICAL STATISTICS—METHODOLOGY

Malyi, I. G., ed. [Problems of statistical methodo collection of articles] Voprosy statisticheskoi me logii; sbornik statei. Moskva, Izd-vo Statistika, 284 p.

MATHEMATICS

Esipenko, G. E. [Mathematics in every-day life] matika v zhizni. [Novosibirsk] Novosibirskoe k izd-vo, 1960. 90 p.

[MICROFILM]

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.: Mat. no. 7 Jl '63; no. '64. Avtorskii ukazatel' za 1962 g.

MATHEMATICS—AUDIO-VISUAL AIDS

Do you know your formulas? B. Buchko, A. Berez Shkola i proizv. 8 no. 3:60 Mr '64.

MATHEMATICS—CONGRESSES

Conferences of mathematicians at Tashkent and Tbi A. A. Mal'tsev, A. A. Petrov. Vest. AN SSSR 34 114-116 F '64.

Seventh Congress of the National Association of It Mathematicians. A. I. Kostrikin. Vest. AN SSSR no. 1:78 Ja '64.

MATHEMATICS—PHILOSOPHY

Significance of the correspondence principle for de the nature of mathematical truth. A. Nysanbaev, AN Kazakh. SSR 19 no. 11:66-74 N '63.

V. I. Lenin's book "Materialism and empiriocritici and the basic philosophical problem in mathemat D. A. Dobrotin. Izv. LETI no. 40:125-139 '60.

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Shakhno, K. U. [Collection of difficult problems in mentary mathematics] Sbornik zadach po elemen matematike povyshennoi trudnosti. Minsk, Vyss shkola, 1964. 523 p.

MATHEMATICS—STUDY AND TEACHING

Content of mathematical education in secondary sc A. D. Semushin. Sov. pedag. 28 no. 4:29-30 Ap

On whom does it depend? G. Fedorov. Nar. obr. 53-60 Ap '64.

MATHEMATICS—TABLES, ETC.

British Association for the Advancement of Science. [Table of powers giving integral powers of integers. Translated from the English] Tablitsy stepenei tselykh chisel. Obrabotka tablits i perevod teksta s angliiskogo K. S. Il'ina i L. I. Sazonovoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. ix, 132 p. tables. (Biblioteka matematicheskikh tablits, no. 18)
(RPB)

MATRICES

Estimates for optimal determination of nondetermined [illegible] automata. IU. I. Liubich. Sib. mat. zhur. 5 no. 2:337-355 Mr-Ap '64.

Linear factorization of a polynomial matrix [with summary in English]. P. S. Kazimurs'kyi. Dop. AN URSR no. 4:445-448 '64.

Remarks on the matrix drift method [with summary in English]. I. M. Liashenko. Dop. AN URSR no. 4:458-462 '64.

Strictly stable n-dimensional Gaussian distributions with nonvanishing mathematical expectation [with summary in English]. H. N. Sakovych. Dop. AN URSR no. 2:166-159 '64.

Use of the method of variation of the parameter in calculating the exponential functions of a real matrix [with summary in English]. D. F. Davydenko. Dop. AN URSR no. 2:159-163 '64.

MATSUKAWA CASE

We have escaped death. Makoto Suzuki. Vsem. prof. dvizh. no. 11:16-19 N '63.

MATTER—CONSTITUTION

[The constitution of matter; first talk] Stroenie veshchestva; beseda pervaia. [By] V. I. Gol'danskii i dr. Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 5)

Possible phase state of matter at extremely high densities [with summary in English]. G. S. Saakian, IU. L. Vartanian. Soob. Biur. obser. no. 33:55-66 '63.

MAXILLARY SINUS

Treatment of complications associated with perforation of Highmore's sinus following a tooth extraction operation. A. K. Levenets. Trudy TSIU 64:190-195 '63.

MAXILLARY SINUS—DISEASES

Cyst of the maxillary sinus simulating an osteoma. T. A. Vainshtein, I. IU. Bratslavskii. Zhur. ush., nos. i gorl. bol. 23 no. 6:72-73 N-D '63.

Histopathological changes in the mucous membrane of Highmore's antrum in serous chronic inflammation. V. M. Sokolov. Zhur. ush., nos. i gorl. bol. 23 no. 6:60-64 N-D '63.

MAY DAY (LABOR HOLIDAY)

The Day of Peace and Labor. Sov. profsoiuzy 20 no. 8: 2-3 Ap '64.

New times. Andre Wurmser. Sov. profsoiuzy 20 no. 8: 36-37 Ap '64.

MAYKAIN (PAVLODAR PROVINCE)—COAL

Supply the by-product coke industry with a reliable raw material base. V. Uspenskii. Nar. khoz. Kazakh. 22 no. 4:20-22 Ap '64.

MAZUT

Automatic dewatering of mazut. IU. I. Baranov, N. L. Kostousov. Stal 23 no. 3:279 Mr '64.

Hinge-joint metal pipes for heating mazut. A. V. Gromov. Transp. i khran. nefti no. 11:24-25 '63.

Increasing the economic efficiency of the operation of centrifugal pumps in the transportation of highly viscous oils and mazuts through petroleum pipelines. S. A. Gross. Neft. khoz. 42 no. 1:57-63 Ja '64.

Refining sour mazuts. B. K. Amerik and others. Trudy GrozNII no. 15:42-48 '63.

Refining sweet mazuts. B. K. Amerik and others. Trudy GrozNII no. 15:49-58 '63.

MAZUT—TRANSPORTATION

Calculation of the duration of the discharge of mazut from railroad tank cars. Z. I. Geller. Teploenergetika 11 no. 5:44-48 My '64.

Formation of solidified cake in the transportation of mazut. A. V. Vurgaft, A. Z. Shcherbakov. Izv. vys. uch. zav.; neft' i gaz 5 no. 9:71-76 '62.

MEASLES

Indices of antidiphtheria immunity in children having previously had measles or whooping cough, based on the Schick and indirect hemagglutination reactions [with summary in English]. M. S. Lenkina, I. S. Zhdanov. Zhur. mikrobiol., epid. i immun. 40 no. 4:16-18 Ap '63.

MEASURING INSTRUMENTS

Design of inductive pickups and measuring networks for them. L. A. Gekhter, A. K. Zakurdaev. Vop. gidr. no. 12:84-111 '63.

Methods and means for checking miniature parts. V. I. Sarkin. Priborostroenie no. 4:23-26 Ap '64.

Metrological problems involved in physicochemical measurements. D. K. Kollerov. Trudy inst. Kom. stand., mer i izm. prib. no. 68:5-33 '63.

New instruments for measuring technological parameters in petroleum refining and petroleum chemistry. B. Z. Votlokhin, G. B. Shots. Trudy GrozNII no. 15:353-365 '63.

Using permanent magnets for fastening measuring instruments and devices. D. I. Varfolomeev. Priborostroenie no. 12:27-28 D '63.

MEASURING INSTRUMENTS—TESTING

Establishing norms for errors of active control devices and pickups. N. N. Markov, G. B. Kainer. Standartizatsiia 28 no. 3:21-23 Mr '64.

MEAT

Determining the duration and speed of the thermal processing of meat products. Thermophysical bases of the process. A. Peleev. Mias. ind. SSSR 34 no. 6: 43-50 '63.

Development of the chemical method for determining chlortetracycline in meat. S. Sh. Rubashkina. Trudy VNIIMP no. 13:80-85 '62.

MEAT—PRESERVATION

Determination and role of calcium and magnesium cations during meat refrigeration and storage. N. A. Golovkin, I. R. Nozdrunkova. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:35-37 '64.

Use of "nistatin" for mold control in meat. L. P. Volkova, N. V. Ludanova. Trudy VNIIMP no. 13:70-79 '62.

MEAT INDUSTRY

(see also subdivision under Baku; Dushanbe; Semipalatinsk)

Follow-up of published articles. Mias. ind. SSSR 34 no. 6:58 '63.

MEAT INDUSTRY—ACCOUNTING

Calculating the output in meat and fat production. S. Levitin. Mias. ind. SSSR 34 no. 6:28-29 '63.

MEAT INDUSTRY—BY-PRODUCTS

Calculating the weight losses of salted hides. E. Gnevol, V. Rodin. Mias. ind. SSSR 34 no. 6:15-17 '63.

MEAT INDUSTRY—COSTS

Production costs of cattle processing in meat combines of various capacities. L. A. Kalita. Trudy VNIIMP no. 13: 150-161 '62.

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Consultation. P. Maliutin. Mias. ind. SSSR 34 no. 6: 53-54 '63.

Machine with continuous action for cattle hide flaying. P. A. Voinova, K. D. Sinitsyn. Trudy VNIIMP no. 15:10-24 '63.

Mechanized line for the processing of tripes. I. Miropol'skii, P. Mitin. Mias. ind. SSSR 34 no. 6:42-43 '63.

Reclamation of waxes. A. Suranov. Mias. ind. SSSR 34 no. 6:39 '63.

MEAT INDUSTRY—MANAGEMENT see subdivision under Latvia

MEAT INDUSTRY—PERIODICALS

Correspondence conference of the readers of "Miasnaia industriia SSSR" journal. Mias. ind. SSSR 34 no. 6:60 '63.

MEAT INSPECTION

Sanitary and veterinary inspection of the meat and organs of cattle affected by leukemia. V. Fedorov. Mias. ind. SSSR 34 no. 6:17-19 '63.

Studying the physicochemical changes occurring in rabbit meat kept at various temperatures. A. I. Zolotousova. Trudy Stavr. sel'khoz. inst. no. 11:161-166 '62.

Urgent tasks of veterinary specialist in the meat industry. V. G. Dedash. Veterinariia 40 no. 10:52-55 O '63.

MECHANICAL DRAWING

Mechanization of design and drawing work. T. A. Vvedenskii. Mekh. i avtom. proizv. 18 no. 5:53-55 My '64.

Omsk. Mashinostroitel'nyi institut. Kafedra nachertatel'noi geometrii i chercheniia. [Descriptive geometry and engineering drawing in the manufacture of machinery; transactions] Nachertatel'naia geometriia i inzhenernaia grafika v mashinostroenii; trudy. Omsk, 1963. 80 p.

[MICROFILM]

MECHANICAL DRAWING—STANDARDS

Standardization of dimensioning systems. A. S. Smirnov. Standartizatsiia 28 no. 3:25-28 Mr '64.

MECHANICAL DRAWING—STUDY AND TEACHING

Grebenshchikov, V. I. [Axonometric projections; manual on carrying out and drawing up the course assignment in mechanical drawing] Aksonometricheskie proektsii; uchebnoe posobie po vypolneniiu i oformleniiu kursovykh zadanii po tekhnicheskomu chercheniiu. Moskva, Mosk. poligraficheskii in-t, 1963. 26 p.

[MICROFILM]

N. K. Krupskaia on the graphic training [illegible] Vinogradov. Shkola i proizv. 8 no. [illegible]

Some methodological problems of teaching [illegible] drawing in the seventh grade. V. [illegible] Makarova. Shkola i proizv. 8 no. [illegible]

MECHANICAL ENGINEERING

Approximation calculation of the [illegible] moments of axially symmetric parts. [illegible] Nauch. trudy MTILP no. 26:225-2[illegible]

Brief news. Mashinostroenie no. 2:116 [illegible]

Shneider, IU. G. [Surface quality [illegible] teristics of parts of machines and [illegible] tim report of a lecture] Kachestvo [illegible] pluatatsionnye svoistva detalei mash[illegible] gramma lektsii. Leningrad, 1963. [illegible] nauchno-tekhnicheskoi propagandy. [illegible] sredstva kontrolia, ispytaniia materialov, [illegible] mekhanizmov)

MECHANICAL ENGINEERING—BIBLIOGRAPHY [illegible]

Bibliography—Mechanical engineering

MECHANICAL ENGINEERING—STUDY AND TEA[illegible]

"Machine parts" course, its place and [illegible] Vest. vys. shkoly 22 no. 4:40-44 Ap '64.

Qualification test for the draftsman of [illegible] B. A. Ershov. Shkola i proizv. 8 no. [illegible]

Stimulating the cognitive activities of [illegible] Kataev. Shkola i proizv. 8 no. 3:10-14 [illegible]

MECHANICAL MOVEMENTS

Dynamics and stability of the mechanis[illegible] foundation in the case of combined [illegible] No. 1: Simplified equation of dynamic[illegible] movement. K. Ragulskis. Trudy AN [illegible] no. 1:131-138 '63.

Simplification of the equations of the [illegible] anisms. K. Ragulskis. Trudy AN [illegible] no. 1:125-130 '63.

MECHANICAL WEAR

Effect of the sand concentration on the [illegible] sucker rod joints in beam wells. [illegible] IUnusov. Azerb. neft. khoz. 4[illegible] no. 4:[illegible]

Iliukovich, B. M. [Durability and wear of [illegible] Stoikost' i raskhod prokatnykh valkov. [illegible] "Metallurgiia," 1964. 100 p.

Wear of the parts of hydraulic per[illegible] a unit for testing them for durability. [illegible] others. Izv. vys. ucheb. zav.; neft' i gaz [illegible] '64.

Wear resistance of combined coatings [illegible] hydro-abrasive friction. IU. V. [illegible] kov, L. A. Koval'. Izv. vys. ucheb. zav. [illegible] no. 4:124-128 '64.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur.: Mekh. nos. 3-4 Mr-Ap [illegible]

MECHANICS, ANALYTIC

Determination of profile resistance. [illegible] Dop. AN URSR no. 3:331-334 '64.

Linear integral of the cyclic displacement [illegible] with inclusions of mobile masses. A. A. [illegible] Prikl. mat. i mekh. 28 no. 2:360-36[illegible]

MECHANICS, CELESTIAL

Specificity of rotating systems. Initial [illegible] metagalaxy [with summary in English] [illegible] Vop. kosm. 9:188-195 '63.

MECHANISMS

Calculating six and seven parameters of [illegible] guides for four-bar mechanisms. V. IA. [illegible] Izv. vys. ucheb. zav.; mashinostr. no. [illegible]

Determining reactions in an advancing pair [illegible] kova, B. S. TSfas. Sbor. dokl. Stud. [illegible] mekh. sel'. khoz. Kuib. sel'khoz. inst. [illegible]

Generalized theorem on the moment of a [illegible] an arbitrary point or on the transfer of [illegible] plane and in a parallel plane. B. S. TSfas, [illegible] l'ova. Sbor. dokl. Stud. nauch. ob-va. Fak. [illegible] Kuib. sel'khoz. inst. no. 1:30-41 '62.

Semenov, M. V. [Theory of mechanisms and [illegible] friction in mechanisms. Written lectures] Teoriia mekhanizmov i mashin; trenie v mekhanizmakh. Pis'mennye lektsii. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1963. 77 p.

Some problems in the kinematics and dynamics of mechanisms with gaps. S. M. Tkachev. [illegible] trud. Dnepr. inzh.-stroi. inst. no. 21:3-[illegible]

Synthesis of the link mechanism of an inertia [illegible] E. V. Efimova. Izv. vys. ucheb. zav.; mashinostr. [illegible] 21-27 '64.

MEDIASTINUM—CANCER

Neurogenic tumors of the mediastinum [with summary in English]. IA. Dobrev, P. Desnichin. Vest. khir. [illegible] no. 5:26-29 My '63.

MEDIASTINUM—DISEASES

Transsternal retrosternal esophagoplasty from the right half of the large intestine. V.G.Cheshik. Khirurgiia 39 no.6:122-124 Je '63.

MEDIASTINUM—SURGERY

Criteria of operability in surgery of mediastinal tumors and cysts. V.P.Demidov. Khirurgiia no.1:63-67 '63.

Fibroma of the mediastinum [with summary in English]. V.L.Manevich. Vest.khir. 90 no.5:21-26 My '63.

MEDIASTINUM—TUMORS

Criteria of operability in surgery of mediastinal tumors and cysts. V.P.Demidov. Khirurgiia no.1:63-67 '63.

Fibroma of the mediastinum [with summary in English]. V.L.Manevich. Vest.khir. 90 no.5:21-26 My '63.

MEDIATION, INTERNATIONAL

National liberation and territorial conflicts. K.Ivanov. Mezhdunar.zhizn' 11 no.5:8-17 My '64.

Nigeria wants peace. Az.i Afr.seg. 7 no.5:37 My '64.

Peace as the master of the boundaries. B.Pladyshev. Az.i Afr.seg. 7 no.5:8-9, 36 My '64.

MEDICAL ASSISTANCE, RUSSIAN see subdivision under Vietnam, South; Yemen

MEDICAL CHEMISTRY see Chemistry, Medical and pharmaceutical

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL COLLEGES

Financing scientific research work in medical institutions of higher education. L.V.Kondrat'eva, V.P.Khromenkova. Sov.zdrav. 22 no.8:73-80 '63.

MEDICAL ELECTRONICS
(see also subdivision under Czechoslovakia)

Review of L.P.Shuvatov's book "Microequipment for radioregistration of some physiological functions." T.E.Timofeeva. Med.prom. 17 no.10:62-64 O '63.

MEDICAL GEOGRAPHY

Discussion. P.S.Stepanov. Kaz.med.zhur. no.6:92 N-D '62.

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref.zhur.: Med.geog. no.5 My '64.

MEDICAL GEOGRAPHY—CONGRESSES

Conference on problems of medical geography. N.I. Kereev. Zdrav.Kazakh. 23 no.4:79-80 '63.

MEDICAL GYMNASTICS see Exercise therapy

MEDICAL INSTRUMENTS AND APPARATUS

Growth of medical technological production. I.A.Antonov. Med.prom. 17 no.10:3-6 O '63.

Jet mills in medical industry. E.G.Aronov, M.M.Gerner, V.N.Balovskii. Med.prom. 17 no.9:46-47 S '63.

Multiaperture injection needle for local infiltrative anesthesia. A.P.Airiian. Eksper.khir.i anest. 8 no.4:89-90 Jl-Ag '63.

Research on high-speed flexible shafts. F.M.Kantor, G.I.Kogan-Vol'man. Med.prom. 17 no.9:40-43 S '63.

Stethophonic unit, type 076. B.V.Naruzhnyi, V.V. Andrianov. Med.prom. 17 no.10:49-52 O '63.

Type EKSi-01 electrocardiosignaler, a new apparatus for examination and diagnosis. R.G.Griuntal', V.M. Poletaeva. Med.prom. 17 no.10:52-53 O '63.

MEDICAL INSTRUMENTS AND APPARATUS—STERILIZATION

Storing and sterilizing urological instruments. E.L. Avakova. Zdrav.Turk. 8 no.1:44-46 Ja '64.

MEDICAL JURISPRUDENCE

Immediate microscopy of bone injuries in a medicolegal examination of the corpse. Kh.M.Murtazaev. Nauch. trudy SamMI 21:115-117 '62.

MEDICAL LABORATORIES—EQUIPMENT AND SUPPLIES

An apparatus for accelerating the washing of mixers. A.P.Kazarov. Lab.delo 8 no.7:56-58 Jl '62.

MEDICAL MICROBIOLOGY

Bacteriological diagnosis of pertussis under conditions of mass specific vaccination [with summary in English]. A.A.Demina and others. Zhur.mikrobiol., epid.i immun. 40 no.9:26-30 S '63.

MEDICAL MICROBIOLOGY—BIBLIOGRAPHY see Bibliography—Medical microbiology

MEDICAL MICROBIOLOGY—TECHNIQUE

Biology and classification of Newcastle dysentery bacilli [with summary in English]. L.D.Grinberg. Zhur. mikrobiol., epid.i immun. 40 no.9:109-115 S '63.

Detection of plague and tularemia infection in rodents [with summary in English]. R.Kh.IAfaev. Zhur. mikrobiol., epid.i immun. 40 no.9:93-96 S '63.

Kucherenko, V.D. [Detection of pathogenic microbes in the external environment] Indikatsiia patogennykh mikrobov vo vneshnei srede. [Moskva] Izd-vo Mosk. univ., 1964. 139 p.
(DNLM)

Materials on the pathogenesis of dysentery. Report No.4: Significance of the titers of anti-O-streptolysine as an index to the participation of streptococci in the etiopathogenesis of clinical forms of dysentery. IU.E. Kocherovskii, F.Z.Abubakirova. Zhur.mikrobiol., epid.i immun. 40 no.9:132-133 S '63.

Serological differentiation of streptococci isolated from the blood of patients with various forms of endocarditis [with summary in English]. I.L.Tydel'skaia, I.S. Myslavskaia. Zhur.mikrobiol., epid.i immun. 40 no.9:65-70 S '63.

MEDICAL MICROSCOPY see Microscopy, Medical

MEDICAL MYCOLOGY—CLASSIFICATION

Considerations on the classification and terminology of medical mycology. L.Chmel. Vest.derm.i ven. 37 no.4:43-48 Ap '63.

MEDICAL MYCOLOGY—NOMENCLATURE

Considerations on the classification and terminology of medical mycology. L.Chmel. Vest.derm.i ven. 37 no.4:43-48 Ap '63.

MEDICAL PARASITOLOGY

Moscow. Institut meditsinskoi parazitologii i tropicheskoi meditsiny. [Problems of medical parasitology; collection of scientific papers] Voprosy meditsinskoi parazitologii; sbornik nauchnykh trudov. Pod red. V.N. Beklemisheva i M.G.Rashinoi. Moskva, 1963. 488 p.
(DNLM)

MEDICAL PERSONNEL

Methodology for determining and applying official standards for medical personnel of rural polyclinics and district hospitals. A.K.Khristuikhin. Sov.zdrav. 22 no.8:15-18 '63.

Methods of studying the input of work by medical personnel. M.A.Rogovoi. Sov.zdrav. 22 no.8:9-14 '63.

Notes on books. Sov.profsoiuzy 20 no.8:47 Ap '64.

Official standards for municipal ambulatory-polyclinical institutions. V.A.Speranskii, G.S.Kornilova. Sov. zdrav. 22 no.8:32-34 '63.

MEDICAL PHOTOGRAPHY see Photography, Medical

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RECORDS

Rationalization of medical documentation. D.A.Lutsenko. Sov.zdrav. 22 no.8:80 '63.

MEDICAL RESEARCH

Financing scientific research work in medical institutions of higher education. L.V.Kondrat'eva, V.P.Khromenkova. Sov.zdrav. 22 no.8:73-80 '63.

In the Department of History of Medicine of the N.A. Semashko Institute of Public Health Organization and History of Medicine. Kh.Idel'chik. Sov.zdrav. 22 no.8:93-95 '63.

MEDICAL SOCIETIES see subdivision under Mogilev

MEDICAL STATISTICS

Genes, V.S. [Tables of significant differences between groups of observations according to qualitative indices; a manual on the statistical analysis of the results of observations and experiments in medicine and biology] Tablitsy dostovernykh razlichii mezhdu gruppami nabliudenii po kachestvennym pokazateliam; posobie po statisticheskoi obrabotke rezul'tatov nabliudenii i opytov v meditsine i biologii. [Moskva] Meditsina, 1964. 79 p.
(DNLM)

Significance of statistical data in the organization of stomatological service for the population. A.A.Akhmedov. Sov.zdrav. 22 no.8:63-65 '63.

MEDICAL TECHNOLOGY—EQUIPMENT AND SUPPLIES

Calculation of erythrocytes and leucocytes in the blood with the aid of celloscope. R.P.Zolotnitskaia. Lab. delo 8 no.7:14-15 Jl '62.

MEDICATED BATHS see Baths, Medicated

MEDICINE
(see also subdivision under Moscow)

Brief news. Pediatriia 42 no.9:94 S '63.

New books. Ortop., travm.i protez. 24 no.10:92 O '63.

Review of S.M.Rapoport's book "Medical biochemistry" [in German]. N.K.Sviridov. Lab.delo no.4:253-254 '64.

Review of the "Symposium on the history of medicine of the Hungarian State Library of the History of Medicine" for 1962 [in Hungarian]. V.Grazhul', K.Sil'vai. Sov.zdrav. 22 no.8:89-90 '63.

MEDICINE—ABSTRACTS

[Medical abstracts] Med.ref.zhur. sect.1 vol.8 no.5 My '64. Sect.2 vol.8 nos.5-6 My-Je '64. Sect.3 vol.8 no.6 Je '64. Sect.4 vol.8 no.5 My '64. Sect.5 vol.8 no.5 My '64. Sect.6 vol.8 no.5 My '64. Sect.7 vol.8 no.5 My '64. Sect.9 vol.8 no.5 My '64. Sect.11 vol.8 no.5 My '64. Sect.12, vol.8 no.5 My '64. Sect.13 vol.8 no.5 My '64.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—DICTIONARIES

[Popular medical encyclopedia] Populiarnaia Meditsinskaia Entsiklopediia. Glav.red. A.N.Bakulev i F.N. Petrov. Chleny red.kollegii: L.IA.Bruslovskii i dr. Nauchn.sovet izd-va: A.P.Aleksandrov i dr. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 1252 columns. (Entsiklopedii, slovari, spravochniki)

MEDICINE—HANDBOOKS, MANUALS, ETC.

Shabanov, A.N., ed. [Medical manual for feldshers] Meditsinskii spravochnik dlia fel'dsherov. Izd. 10, polnost'iu perer. [Moskva] Meditsina, 1964. 678 p.
(DNLM)

MEDICINE—PERIODICALS see subdivision under White Russia

MEDICINE, DOSIMETRIC

Dosage of sun baths in ultraviolet units. G.A.Ushveridze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26: 63-67 '63.

MEDICINE, EXPERIMENTAL

Ivanov, V.A., and M.N. Molodenkov. [Neurodystrophic lesions of the internal organs in chronic irritations of the vegetative nervous system] Neirodistroficheskie porazheniia vnutrennikh organov pri khronicheskom razdrazhenii vegetativnoi nervnoi sistemy. Moskva, Meditsina, 1964. 115 p.
(DNLM)

MEDICINE, INDUSTRIAL

Effect of repeated disease on the morbidity rate with temporary disability and experience in their elimination G.A.Pushin. Sov.zdrav. 22 no.8:34-37 '63.

Prevention of vibration disease. N.M.Kuchinskaia, TS.I.Rubinshtein, E.I.Fridliand. Zdrav.Bel. 9 no.6: 56-57 Je '63.

MEDICINE, INTERNAL

Cherviakovskii, N.IA. [Problem of edema in the clinical aspects of internal diseases] Problema oteka v klinike vnutrennikh boleznei. [Leningrad] Meditsina, 1964. 198 p.
(DNLM)

Duhring's dermatitis herpetiformis with involvement of the internal organs. A.G.Lepiavko, T.T.Glukhen'kii. Vest.derm.i ven. 37 no.5:71-72 My '63.

Meteoropathological reactions in the clinic of internal diseases. G.A.Ushveridze and others. Sbor.trud.Gos. nauch.-issl.inst.kur.i fizioter. 26:20-36 '63.

Problem of correlations between diseases of internal organs and eczematous reactions. F.N.Nikitin. Nauch. trudy GIDUV no.12:101-109 '57.

MEDICINE, PREVENTIVE

Study of premorbid states and prevention of non-infectious diseases in man. A.L.Ostapenko. Sov.zdrav. 22 no.8:70-73 '63.

MEDICINE, RURAL
(see also subdivision under Kustanay Province; Leningrad Province)

Methodology for determining and applying official standards for medical personnel of rural polyclinics and district hospitals. A.K.Khristuikhin. Sov.zdrav. 22 no.8:15-18 '63.

Some comments on the standardization of a network of district hospitals. V.A.Vorob'ev. Sov.zdrav. 22 no.8:27-31 '63.

MEDICINE IN SPORTS see Sports medicine

MEGRI DISTRICT—BATHOLITHS

Basic characteristics of the structural petrology of the Megri-Ordubad batholith. Sh.A.Azizbekov, T.G. Gadzhiev. Izv.AN SSSR.Ser.geol. 29 no.2:16-26 F '64.

MELANCHOLIA

Nuclear group of circular schizophrenia and two of its clinical variants. Report No.1: Role of exogenic injuries in the course of maniacal and melancholic variants. A.IA.Levinson. Trudy Dush.med.inst. 61:16-26 '63.

Nuclear group of circular schizophrenia and two of its clinical variants. Report No.2: Affective pathology in psychoses of the maniacal and melancholic variants of circular schizophrenia. A.IA.Levinson. Trudy Dush. med.inst. 61:27-33 '63.

Nuclear group of circular schizophrenia and two of its clinical variants. Report No.3: Remission in two variants of circular schizophrenia. A.IA.Levinson. Trudy Dush.med.inst. 61:34-44 '63.

MELIK-KARAMIAN, MUSHEG MARTIROSOVICH, 1893-

M. M. Melik-Karamian, on his 70th birthday. Sov. [illegible] 23 [illegible] '63.

MELLER, VADYM HEORHIIOVYCH

[illegible] M. Synaiskevych. Mystetstvo [illegible] '63.

MELTING

Tsiits, M.IA. [Melting of nonferrous metals and alloys] Plavka tsvetnykh metallov i splavov. Moskva, "Vysshaia shkola," 1964. 318 p.

MELTING POINTS

[illegible] of stearin. B.N.Egorov, B.G.Krylov. [illegible] 37 no.3:675-676 Mr '63.

Melting diagram of the system $MgO - Al_2O_3 - ZrO_2$ [with summary in English]. A.S.Berezhnoi, R.A.Kordiuk. [illegible] '64.

MEMBRANES (TECHNOLOGY)

Graphic-analytical method for calculating the surface of the working membranes in the purification of fermentation solutions by the dialysis method. K. P.Stepanishcheva. Trudy TSNIISP no.13:40-43 '62.

MENDZHI (GEORGIA)—HEALTH RESORTS, WATERING PLACES, ETC.

Climate and microclimate of the Mendzhi health resort. M.O.Kordzakhiia, R.P.Kavkasidze, N.Sh.Gongladze. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26: 113-126 '63.

MENINGEAL ARTERY

Importance of the posterior meningeal artery for the collateral blood flow in the human cerebral dura mater. G.F.Baiko. Vop.neirokhir. 27 no.5:18-21 S-O '63.

MENINGITIS

Case of otogenic sepsis with meningeal phenomena in the absence of otorrhea. H.I.Shnurman. Zhur.ush.,nos. i gorl.bol. 23 no.6:60 N-D '63.

Spontaneous nasal liquorrhea. E.IA.Krasnikova, A.L. Leonovich. Zdrav.Bel. 9 no.6:81-82 Je '63.

State of the neuromuscular elements of human skeletal muscles in meningitis. A.T.Tilliaev, D.A.Musaeva. Nauch.trudy SamMI 21:89-93 '62.

MENSTRUATION

Cobalt in the uterine mucosa during the menstrual cycle. O.V.Osadchaia. Zdrav.Bel. 9 no.6:43-44 Je '63.

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref.zhur.: Metr.i izm.tekh. no.5 My '64.

MENTAL DEPRESSION see Depression, Mental

MENTAL FATIGUE see Fatigue, Mental

MENTAL ILLNESS

Classification of the therapeutic effect in the treatment of mental diseases. I.M.Slivko. Zhur.nevr.i psikh. 64 no.3:445-449 '64.

Experience in objective control of the use of psychotropic drugs. L.IA.Uspenskaia. Zhur.nevr.i psikh. 64 no.3:441-445 '64.

Forrest's test as a means of control of the use of psychotropic drugs and the results of this control on the basis of our own observations. S.Pużyński, Ja.Rogowska. Zhur.nevr.i psikh. 64 no.3:437-440 '64.

Gellershtein, S. G., and I. L. TSfasman. [Principles and methods of occupational therapy for mental patients] Printsipy i metody trudovoi terapii psikhicheski bol'nykh. Moskva, Meditsina," 1964. 163 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Letter to the editor. I.V.Veingol'd-Rybkina. Zhur.nevr. i psikh. 64 no.2:319 '64.

Role of the Treponema pallidum immobilization reaction in the diagnosis of false-positive results with standard serological reactions in pregnant women and patients of psychiatric hospitals. N.M.Ovchinnikov, N.M.Turanov, L.V.Sazonova. Vest.derm.i ven. 37 no.4:52-57 Ap '63.

Some indices of heparin metabolism and fibrinolytic activity of the blood in patients with cerebral atherosclerosis with mental disorders. M.S.Tropper. Zhur. nevr.i psikh. 64 no.2:275-280 '64.

MERCAPTANS see Thiols

MERCAPTO COMPOUNDS—TOXICOLOGY

Combined action of thiol poisons and high atmospheric temperature on the body. G.Kh.Shakhbazian, I.V. Savitskii. Vest.AMN SSSR 18 no.2:38-42 '63.

MERCAPTO GROUP

Content of sulfhydryl groups of protein and nonprotein compounds in the blood of hypophysectimized dogs. O.A.Naletova, A.E.Klimentovskaia. Nauch.trudy Riaz.med.inst. 15:80-81 '62.

Effect of cysteine and ascorbic acid on the content of sulfhydryl groups in proteins and on the excretion of zinc in chronic poisoning with zinc compounds. A.E. Klimentovskaia. Nauch.trudy Riaz.med.inst. 15:29-35 '62.

Effect of muscular activity on the interaction of thiol groups of myosin with adenosinetriphosphoric acid [with summary in English]. N.N.IAkovlev, A.F. Krasnova. Ukr.biokhim.zhur. 34 no.1:95-103 '62.

MERCERIZATION

Using shale phenols as wetting agents in the mercerization of cotton fibers. P.S.Balashov, G.N.Garnovskaia, E.E.Feofilov. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:242-245 '62.

MERCHANT MARINE

Follow-up of published materials. Mor.flot 23 no.12:48 D '63.

Manual for ship captains in the course "Work organization in the merchant marine." N.G.Kovalev. Sudovozhdenie no.3:111-112 '63.

On the eve of the sixth year of the seven-year plan. Mor.flot 23 no.12:1-2 D '63.

Reliable helpers in the war against negligence. B.Delich. Mor.flot 23 no.12:8-9 D '63.

MERCHANT MARINE—COST OF OPERATION

Insufficient use of the loading capacity of dry cargo freighters. S.Portniabin. Mor.flot 23 no.12:10-11 D '63.

The merchant marine of the U.S.S.R. must become the most modern and economical to operate in the entire world. S.F.Koriakin. Sudovozhdenie no.3:3-5 '63.

MERCHANT MARINE—SIGNALING

We are supporting the suggestion made by Captain Rusanov. E.Nuzhnov. Mor.flot 23 no.12:23 D '63.

MERCHANT SEAMEN

Captain of the "Baltic". Mor.flot 23 no.12:6-7 D '63.

Communist labor is an important means of education. A.Krivobokov. Mor.flot 23 no.12:3-5 D '63.

MERCHANT SEAMEN—DISEASES AND HYGIENE

Studying the causes and the prevention of industrial traumas. V.Chashchin. Mor.flot 23 no.12:39-40 D '63.

MERCHANT SEAMEN—EDUCATION AND TRAINING

Romance of nautical routine. S.Petrenko. Sov.profsoiuzy 20 no.7:24-26 Ap '64.

MERCHANT SHIPS

New standard regulations. Sov.profsoiuzy 20 no.7:46 Ap '64.

Nogid, L.M. [Design of seagoing ships] Proektirovanie morskikh sudov. Leningrad, Izd-vo "Sudostroenie."
Pt.1. [Methods of determining the elements of a proposed ship] Metodika opredeleniia elementov proektiruemogo sudna. 1964. 358 p.

MERCUROPHYLLINE

Mechanism of the action of mercury diuretics in rheumatic heart defects. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:215-221 '63.

MERCURY

Mechanical device for measuring and filling mercury. A.Z.Levin. Med.prom. 17 no.10:45-46 O '63.

Purifying and drying mercury and purifying ammonia solution. B.I.Soibel'man. Lab.delo 8 no.7:54-55 Jl '62.

MERCURY—ANALYSIS

Neutron-adsorption analysis of rare earths and mercury. V.I.Bakulin. Geofiz.prib. no.12:96-108 '62.

MERCURY ACETATES

Tetramercury fluorescein acetate. G.S.Godlina, E.A. Bozhevol'nov, S.U.Kreingol'd. Metod.poluch.khim.reak. i prepar. no.6:52-54 '62.

MERCURY-ARC RECTIFIERS

Automating mercury-arc rectifier aggregates with soldered rectifiers at traction substations in urban electric transportation. B.S.Finkel'shtein. Nov.tekh.zhil.-kom.khoz.;Gor.dor.-most.khoz.i transp. no.2:78-92 '63.

Methods for preventing the partial phase operation of mercury rectifiers. E.G.Bobrov, IU.G.Dorogov. Elek.i tepl.tiaga 7 no.12:16-17 D '63.

Rectifier grid control using a peak generator. P.P.Trubanov. Elek.i tepl.tiaga 8 no.1:18 Ja '64.

We have prevented cap flashovers in mercury-arc rectifiers. D.A.Romashko. Elek.i tepl.tiaga 8 no.1:16-17 Ja '64.

MERCURY-ARC RECTIFIERS—COOLING

Theorectical studies of the reliability of mercury rectifier cooling networks. A.S.Shilov. Trudy OMIIT 37:88-90 '62.

MERCURY CHLORIDES

Corrosive sublimate poisoning of platinum on cadmium oxide adsorption catalysts in the decomposition of hydrogen peroxide. Zh.V.Strel'nikova, E.A.Trosman, V.P.Lebedev. Zhur.fiz.khim. 36 no.11:2469-2472 N '62.

MERCURY COMPOUNDS

Foreign mercurial disinfectants. A.F. Zashch.rast.ot vred.i bol. 9 no.4:54 '64.

MERCURY ELECTRODES see Electrodes, Mercury

MERCURY HALIDES

Mechanism of isotopic exchange between organomercury salts and mercury halide. V.A.Kaliavin, T.A.Smolina, O.A.Reutov. Dokl.AN SSSR 155 no.3:596-599 Mr '64.

Monomolecular mechanism of isotopic exchange between benzylmercuri halides and radioactive mercury halides. V.A.Kaliavin, T.A.Smolina, O.A.Reutov. Dokl.AN SSSR 156 no.1:95-98 My '64.

MERCURY ORES

Antimony-mercury formations containing selenium. Chzhun Tszia-zhun (Chung Chin-jung). Trudy IMGRE no.10:158-170 '63.

MERCURY ORGANIC COMPOUNDS

Acidolysis kinetics of symmetrical aromatic and aliphatic compounds of mercury. A.N.Nesmeianov, A.[illegible], I.S.Savel'eva. Dokl.AN SSSR 155 no.3:603-606 Mr '64.

Addition of mercuric chloride to the Wittig reagents and the synthesis of mercury-containing phosphorylide. Nik.A.Nesmeianov, V.M.Novikov, O.A.Reutov. Izv. AN SSSR.Ser.khim. no.4:772-773 Ap '64.

Homolytic reactions of organogermanium and organosilicon compounds of mercury. N.S.Viazankin, G.A. Razuvaev, E.N.Gladyshev. Dokl.AN SSSR 155 no.4 830-832 Ap '64.

Mechanism of isotopic exchange between organomercury salts and mercury halide. V.A.Kaliavin, T.A.Smolina, O.A.Reutov. Dokl.AN SSSR 155 no.3:596-599 Mr '64.

Monomolecular mechanism of isotopic exchange between benzylmercuri halides and radioactive mercury halides. V.A.Kaliavin, T.A.Smolina, O.A.Reutov. Dokl.AN SSSR 156 no.1:95-98 My '64.

MERCURY SULFIDES

Some properties of mercury sulfide films on the surface of a mercury electrode. S.I.Zhdanov, B.A.Kiselev. Dokl.AN SSSR 155 no.3:651-653 Mr '64.

MERISTEM

Nature of the fluorescence of the growing cone of winter barley [with summaries in English, German, and French]. TS.M.Khashes. Vest.sel'khoz.nauki 8 no.12:126-128 D '63.

MERKYS VALLEY—TERRACES (GEOLOGY)

Terraces of the Merkys Valley [in Lithuanian with summary in Russian]. L.Micas. Trudy AN Lit.SSR.Ser. B no.1:103-116 '63.

MEROMORPHIC FUNCTIONS see Functions, Meromorphic

MESENTERIC ARTERIES

Mesenteric arteries in Soviet Merino sheep. IU.A. Medvedev. Trudy Stavr.sel'khoz.inst. no.11:113-118 '62.

MESENTERY—BLOOD SUPPLY

Postpartum thromboembolism of the mesenteric vessels. L.L.Libenzon, T.A.Mikhailova. Vop.okh.mat.i det. 7 no.6:79-83 Je '62.

MESENTERY—DISEASES

Cystic formations of the mesenteries in children [with summary in English]. D.E.Abkin. Vest.khir. 90 no.5:113-118 My '63.

MESONS

Determining the nature of low-energy interaction between π-mesons from the reactions $p + d \to He_3 + 2\pi$ and $\pi + N \to N + 2\pi$. V.V.Anisovich, L.G.Dakhno. Zhur. eksp.i teor.fiz. 46 no.3:1152-1156 Mr '64.

MESONS—SCATTERING

General calculation of the matrix elements for polarized vector particles. A.A.Bogush, A.I.Bolsun. Dokl.AN SSSR 155 no.5:1040-1049 Ap '64.

Interaction of particles with spins and the Regge poles [with summary in English]. M.S.Marinov. Zhur.eksp. i teor.fiz. 46 no.3:947-962 Mr '64.

The renormalization group method and high-energy scattering [with summary in English]. K.Huang, F.E.Low. Zhur.eksp.i teor.fiz. 46 no.3:845-850 Mr '64.

METABOLISM

Cherkasova, L.S., ed. [Biochemistry of small doses of ionizing radiation] Biokhimiia malykh doz ioniziruiushchei radiatsii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 164 p.

Effect of the silage type of feeding on the digestion and metabolism in lactating cows. N.A.IAtsko. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:88-94 '64.

Formation of organometallic complexes under the participation of external metabolites of sea algae. K.M. Khailov. Dokl.AN SSSR 155 no.4:933-936 Ap '64.

Karaev, A.I., and A.G.Dadashev. [Metabolism in hysteriosis] Isterlozis ve maddeler mubadilesi. Baky, Azerbaichan SSR Elmler Akad. neshriiiaty, 1963. [In Azerbaijani]
(DNLM)

Some characteristics of metabolism under the conditions of nonspecifically increased resistance of the organism. R.O.Amirov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:93-100 '63.

METABOLISM (Continued)

Study of the action of a new antifungal substance, the methyl ester of 4-keto-5-decynoic acid, on the metabolism of C. albicans and S. cerevisiae. IU.O.Sazykin, G.N.Borisova. Antibiotiki 8 no.8:717-723 Ag '63.

METABOLISM, DISORDERS OF

Carbohydrate-phosphorus metabolism in the skeletal muscle of adrenalectomized animals during treatment with cortisone and vitamins C and P [with summary in English]. O.M.Ivaniuta. Ukr.biokhim.zhur. 35 no.1: 30-34 '63.

METAL CASTINGS

Guliaev, B.B., O.N.Magnitskii, and A.A.Demidova. [Castings of high-melting metals] Lit'e iz tugoplavkikh metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 291 p.

METAL CASTINGS—WELDING

Correction of foundry rejects by welding-up in an atmosphere of water vapor. N.Z.Sementsov. Svar. proizv. no.11:35 N '63.

METAL CLEANING

New method of chemical degreasing. N.V.Vdovenko, I.D.Vdovenko. Mashinostroenie no.2:66 Mr-Ap '64.

METAL CRYSTALS—GROWTH

Growing single crystals of refractory metals by Czochralsky's method using electronic heating. N.G. Sushkin. Teplofiz.vys.temp. 1 no.2:313-315 S-O '63.

Methods for growing perfect single crystals of refractory metals. L.S.Starostina, V.N.Kachinskii, N.A.Brilliantov. Teplofiz.vys.temp. 1 no.2:310-312 S-O '63.

Preparation and properties of single crystals of molybdenum. V.S.Emel'ianov and others. Met.i metalloved. chist.met. no.4:58-63 '63.

METAL CUTTING

Decision of the First All-Union Seminar on the Contact Rigidity of Elements of the "Machine Tool-Drive-Cutting Tool-Part" Engineering System. Izv.vys. ucheb.zav.; mashinostr. no.2:208-209 '64.

Etin, A.O. [Kinematic analysis of the methods of metal cutting] Kinematicheskii analiz metodov obrabotki metallov rezaniem. Pod red. A.P.Vladzievskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 321 p.

First All-Union Seminar on contact rigidity of elements of the technological system "machine tool-attachment-cutting tool-part." E.V.Ryzhov. Vest.mashinostr. 44 no.4:63-65 Ap '64.

[Handbook for a mechanical engineer in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N.S.Acherkan i dr. Moskva, Izd-vo "Mashinostroenie,"

Vol.6. Book 2. Satel', E.A., ed. Izd.3., ispr. i dop. 1964. 464-920 p.

Livshits, IA.N., and I.I.Pinson. [Means of mechanization in metal cutting by guillotine] Sredstva mekhanizatsii pri rezke metalla na gil'otine. Leningrad, Izd-vo "Sudostroenie," 1964. 48 p. (Bibliotechka po mekhanizatsii v sudostroenii)

Machining cone journals in cast iron rolls. S.I.Reznik. Mashinostroenie no.2:66-68 Mr-Ap '64.

METAL CUTTING—STUDY AND TEACHING

Baskaev, Kh.K., and M.M.Gol'dfarb. [Diploma project in machinery engineering schools; methodological manual on "Metal cutting"] Diplomnoe proektirovanie v mashinostroitel'nykh tekhnikumakh; uchebno-metodicheskoe posobie dlia spetsial'nosti "Obrabotka metallov rezaniem." [n.p.] Rosvuzizdat, 1963. 223 p.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

Design of circular form cutters. A.I.Liberman. Stan.i instr. 35 no.4:26-31 Ap '64.

Introducing cutting tools with ceramic bits at the Roshal Machine Construction Plant. N.V.Oznobishin. Sbor. nauch.trud.LISI no.22:82-87 '65.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Instruments for automating production in use abroad] Instrument dlia avtomatizirovannogo proizvodstva zarubezhnykh firm. Moskva, 1963. 85 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii. Seriia: U-77)

[MICROFILM]

Stability of the soldering of hard-alloy tools and residual stresses in soldered hard-alloy bits. V.A.Dumanskaia, V.V.Shliakhtin. Mashinostroenie no.2:71-72 Mr-Ap '64.

Workshop of a model constructor. Kryl.rod. 15 no.4: 28 Ap '64.

ETAL-CUTTING TOOLS—LUBRICATION

Industrial testing of a new lubricating and cooling fluid in textile machinery plants. V.N.Latyshev. Izv.vys. ucheb.zav.; tekh.tekst.prom. no.1:161-164 '64.

METAL-CUTTING TOOLS—TESTING

Effect of metal temperature and other factors on the durability of saw blades. V.V.Tatarnikov. Izv.vys. ucheb.zav.; chern.met. 7 no.5:190-197 '64.

METAL-CUTTING TOOLS—VIBRATION

Investigating vibrations of boring tools. K.V.Lakur. Vest.mashinostr. 44 no.4:62-64 Ap '64.

METAL POWDER PRODUCTS—TESTING

Changes of properties during repeated heat treatments, stress-rupture strength and the internal friction of sintered aluminum powder. A.I.Dashkovskii and others Met.i metalloved.chist.met. no.4:160-174 '63.

METAL POWDERS

Efficient operating conditions for aluminum pulverizing equipment. G.F.Strizhov, P.A.Miasnikov, IU.L. Pliner. Stal' 23 no.3:234-237 Mr '64.

METAL POWDERS—SPECTRA

Il'ina, E.V., and V.M.Gol'dfarb. [Mutual effect of elements in the spectrum analysis of powder samples in a carbon arc] Vzaimnye vliianiia elementov pri spektral'nom analize poroshkovykh prob v ugol'noi duge. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov, no.5)

Spectral analysis of powdered samples of various compositions. I.M.Blokh, M.A.Rivkina. Zav.lab. 30 no.5:556-557 '64.

METAL SPRAYING

Packed with metal. A.Umanskii. Izobr.i rats. no.3: 14-16 '64.

Protection of water-cooled heating furnace elements by metallized chromium-nickel coatings. P.E.Kosenko, V.I.Sarandachev, N.I.IAlovoi. Stal' 23 no.3:257 Mr '64.

Using metal spraying in repairing engines. M.L'vin. Avt.transp. 42 no.5:30-31 My '64.

METALLIC FILMS

Electronographic and X-ray investigation of oxide films on niobium. I.Korobkov, B.N.Reviakin, Chen' Khe-min [Ch'en Ho-ming]. Met.i metalloved.chist.met. no.4:84-92 '63.

Identity period of films of ZnS - CdS solid solutions. N.N.Sirota, V.P.Shimanskaia. Dokl.AN BSSR 8 no.1:24-25 Ja '64.

Investigating the kinetics of the oxidation of niobium iodide remelted by the electron-beam method. I.I.Korobkov, B.N.Reviakin, Chen' Khe-min [Ch'en Ho-ming]. Met. i metalloved.chist.met. no.4:93-109 '63.

Preparation of thin films of zinc oxide. IA.S.Savitskaia, L.A.Riabova. Zhur.prikl.khim. 37 no.4:796-800 Ap '64.

Stabilization of high-strength vacuum condensates. L.S. Palatnik, A.I.Il'inskii. Dokl.AN SSSR 154 no.3:575 577 Ja '64.

METALLIC FILMS—ANALYSIS

Inhomogeneous composition of an anodic oxide film on aluminum from the data of its chemical analysis. V.P. Pavelkina, A.F.Bogoiavlenskii. Zhur.prikl.khim. 37 no.4:820-823 Ap '64.

METALLIC OXIDES

Effect of the conditions of preparation on the phase composition, porous structure, and sorption properties of mixed oxides from oxychlorides. N.F.Ermolenko, M.D.Efros. Dokl.AN BSSR 8 no.3:165-168 Mr '64.

Mechanism involved in the rectifying action of solid electrolytic condensers [with summary in English]. G.A.Martiniuk, P.D.Lukovtsev. Zhur.fiz.khim. 36 no.11:2340-2346 N '62.

Melting diagram of the system MgO - Al_2O_3 - ZrO_2 [with summary in English]. A.S.Berezhnoi, R.A.Kordiuk. Dop.AN URSR no.4:506-508 '64.

Use of emanation method in studying the structure of zinc oxide and nickelous oxide with added lithium and gallium oxides. M.D.Shibanova, G.M.Zhabrova. Dokl.AN SSSR 155 no.4:912-915 Ap '64.

METALLOGRAPHY

Bokshtein, S.Z., ed. [Diffusion processes, structure and properties of metals; collected articles] Protsessy diffuzii, struktura i svoistva metallov; sbornik statei. Moskva, Mashinostroenie, 1964. 188 p.

Zakharov, A.M. [Phase diagrams of quaternary systems] Diagrammy sostoianii chetvernykh sistem. Moskva, Izd-vo "Metallurgiia," 1964. 239 p.

METALLURGICAL FURNACES

Invariance principle and transition characteristics of controlled furnaces. P.G.Baranovskii. Izv.vys. ucheb.zav.; chern.met. 7 no.4:156-159 '64.

Kryzhanovskii, O.M., V.I.Vrublevskii, and V.T. Antonenko. [Automation of cupola furnaces] Avtomatizatsiia vagranok. Kiev, Izd-vo AN USSR, 1963. 103 p. (Spravochnaia seriia po novoi tekhnike)

METALLURGICAL FURNACES—COMBUSTION

Improving the control over the mixing of fuel and oxidizer in the flame. A.E.Kadyshevich. Izv.vys.ucheb.zav.; chern.met. 7 no.5:154-156 '64.

METALLURGICAL FURNACES—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography— Metallurgical furnaces—Equipment and supplies

METALLURGICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Laboratory equipment to determine the reducibility of metal oxides and ores. M.S.Kurchatov. Stal' 23 no.3:212-213 Mr '64.

METALLURGICAL PLANTS see subdivision under Czestochowa (Poland)

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION (see also subdivision under Ust'-Kamenogorsk; Zhdanov)

Recommendations of a branch conference of builders of plants for the metallurgical industry. Biul.stroi.tekh. 21 no.2:21-23 F '64.

METALLURGICAL PLANTS—ELECTRIC EQUIPMENT

Designing and adjustment of the electrical equipment of cold rolling departments of metallurgical plants. A.A. Ermilov. Prom.energ. 19 no.2:50-51 F '64.

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Mechanization of repair work in metallurgical plants. G.I.Shandrenko. Mekh.i avtom.proizv. 18 no.5:27 My '64.

METALLURGISTS—DISEASES AND HYGIENE see subdivision under Karaganda

METALLURGY

(see also subdivision under Armenia)

Erokhin, A.A. [Kinetics of metallurgical processes in arc welding] Kinetika metallurgicheskikh protsessov dugovoi svarki. Moskva, Izd-vo "Mashinostroenie," 1964. 262 p.

Svechnikov, V.N. [Physics of metals and physical metallurgy] Voprosy fiziki metallov i metallovedeniia. Kiev, Izd-vo Akad. nauk USSR, 1962. 150 p.
(CLU)

METALLURGY—ABSTRACTS

[Metallurgy] Ref.zhur.: Met. no.5 My '64. Avtorskii ukazatel' za 1963 g.

METALLURGY—EXPERIMENTS

Laboratory equipment to determine the reducibility of metal oxides and ores. M.S.Kurchatov. Stal' 23 no.3:212-213 Mr '64.

METALS

Svechnikov, V.N. [Physics of metals and physical metallurgy] Voprosy fiziki metallov i metallovedeniia. Kiev, Izd-vo Akad. nauk USSR, 1962. 150 p.
(CLU)

Theory of surface tension. Part 1. V.V.Demchenko. Zhur.fiz.khim. 36 no.11:2524-2526 N '62.

METALS—ANALYSIS

Determination of copper, lead, cadmium, and zinc impurities in extremely pure indium and its salts by the method of amalgam polarography with a stationary electrode [with summary in English]. S.I.Siniakova and others. Zhur.anal.khim. 18 no.3:377-384 Mr '63.

Determination of sodium, potassium, and calcium in uranium and its compounds by flame photometry [with summary in English]. G.I.Zhuravlev, I.A.Gavrilova. Zhur.anal.khim. 19 no.1:54-58 '64.

Nickel diethyldithiophosphate. A.I.Busev, M.I.Ivaniutin. Metod.poluch.khim.reak.i prepar. no.6:33-35 '62.

METALS—DENSITY

Density of iron, nickel, and cobalt in the solid and liquid states. A.A.Vertman, A.M.Samarin, E.S.Filippov. Dokl.AN SSSR 155 no.2:323-325 Mr '64.

METALS—FATIGUE

Application of a logarithmically normal distribution to calculations and tests of fatigue limit. Kh.B.Kordonskii, B.E.Korsakov, IU.M.Paramonov. Izv.vys.ucheb. zav.;av.tekh. 7 no.1:145-152 '64.

Studying the concentration of nickel at the point of fatigue fracture in IX18H9T steel. T.Ryskanov. Izv.AN Kir. SSR.Ser.est.i tekh.nauk 5 no.6:125-128 '63.

Testing the wear resistance of metals in molasses. N.A.Sologub. Trudy KTIPP no.27:113-116 '63.

Use of the method of harmonic analysis in determining the size of mosaic blocks and microdislocations in 40X steel in fatigue tests. M.M.Koniuk. Izv.AN Kir.SSR. Ser.est.i tekh.nauk 5 no.6:111-117 '63.

X-ray diffraction study of the mechanism of fatigue in alloyed steel surface-hardened by grinding. M.M. Koniuk. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6: 119-123 '63.

METALS—FINISHING

Sankov, I. I. [Mechanizing and automating the abrasive finishing of castings; practices of the Gorky Automobile Plant] Mekhanizatsiia i avtomatizatsiia abrazivnoi obrabotki otlivok; opyt Gor'kovskogo avtomobil'nogo zavoda. Moskva, Izd-vo "Mashinostroenie," 1964. 173 p.

METALS—HYDROGEN CONTENT

[illegible] of hydrogen by titanium-zirconium and titanium-[illegible] alloys [with summary in English]. V.V. [illegible], A.M.Rodin. Zhur.fiz.khim. 37 no.3: [illegible] Mr '63.

METALS—OPTICAL PROPERTIES

Investigating elastic-plastic clean bends by the optical polarization method. V.IU.Markovskii, P.I.Polukhin, V.P.[illegible]. Izv.vys.ucheb.zav.; chern.met. 7 no.5:[illegible] '64.

METALS—PICKLING

Automatic argon arc welding of a thin-sheet AMg6 alloy following chemical etching. V.I.Obuturov. Svar. proiz. no.11:28-30 N '63.

Intensifying the process of neutralizing pickling solutions and acid washing waters. S.N.Gants, A.I.Luk'ianitsa, IA.A.Serebrianyi. Stal' 23 no.2:262-263 Mr '64.

Methods for determining the amount of scale formed on low carbon steel. A.S.Afanas'ev and others. Zav.lab. 30 no.5:598 '64.

Pickling rate of steel cleaned and coated with oxide layers. A.S.Afanas'ev, T.V.Malysheva. Zhur.prikl.khim. 37 no.4:[illegible]-906 Ap '64.

METALS—RADIOACTIVE PROPERTIES

Equipment for the X-ray analysis of radioactive materials. IU.I.Gribanov, A.G.Karmilov, I.A.Lednev. Met.i metalloved.chist.met. no.4:228-242 '63.

Measurement of the radioactivity of metal samples with a gamma-emitting isotope. A.M.Skrebtsov. Zav.lab. 30 no.5:564-565 '64.

METALS—SULFUR CONTENT

Diffusion of sulfur in some refractory metals. M.M.Pavliuchenko, I.F.Kononiuk. Dokl.AN BSSR 8 no.3:157-160 Mr '64.

METALS—TESTING

Bokshtein, S.Z., ed. [Diffusion processes, structure and properties of metals; collected articles] Protsessy diffuzii, struktura i svoistva metallov; sbornik statei. Moskva, Mashinostroenie, 1964. 188 p.

Equipment for measuring internal friction in metals. P.L.Gruzin, A.N.Semenikhin, V.I.Andreev. Met.i metalloved.chist.met. no.4:194-197 '63.

Methods for short-time tests of metals at elevated deformation rates. N.P.Ageev, S.I.Karatushin. Zav.lab. 30 no.5:592-593 '64.

METALS—THERMODYNAMICS

Interrelation between certain thermodynamic, electron, and electrochemical properties of metals. Part 2 [with summary in English]. N.E.Khomutov. Zhur.fiz.khim. 37 no.3:526-530 Mr '63.

METALS, EFFECT OF TEMPERATURE ON

Changes of properties during repeated heat treatments, stress-rupture strength and the internal friction of sintered aluminum powder. A.I.Dashkovskii and others. Met.i metalloved.chist.met. no.4:160-174 '63.

METALS, RARE AND MINOR

(see also subdivision under Altai Mountains; Klichka region, Transbaikalia; Zyryanovsk region, Altai Mountains)

Leningrad. Universitet. [Chemistry of the rare elements] Khimiia redkikh elementov. [Leningrad] Izd-vo Leningr. univ., 1964. 160 p.

Methods of aerogeophysical prospecting for rare element deposits. V.I.Korchagin, E.IA.Ostrovskii, IU.N. Te'ekhov. Geol.mest.red.elem. no.20:27-52 '63.

Paragenesis of hydrothermal deposits, their geochemical characteristics and the possible sources of mineralization. V.V.Ivanov. Trudy IMGRE no.10:3-91 '63.

Rare element deposits and characteristics of aerogeophysical anomalies related to them. A.I.Ginzburg, V.I.Korchagin. Geol.mest.red.elem. no.20:19-27 '63.

Rare elements in the oxidation zone of sulfide deposits. N.D.Sindeeva, M.F.Kulikova. Trudy IMGRE no.10: 266-299 '63.

Surface studies of aerial anomalies characteristic of some types of rare metal deposits. A.I.Ginzburg, L.A. Berezina, N.F.Sharmin. Geol.mest.red.elem. no.20: 84-115 '63.

METALS, RARE AND MINOR—SPECTRA

Highly sensitive double-arc method of spectrographic analysis for the detection of gold and some disseminated elements. O.A.Grigor'eva, E.M.Kviatkovskii. Zap. LGI 45 no.2:74-80 '63.

METALS, SUBSTITUTES FOR

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Economy of nonferrous metals and the introduction of their substitutes in industry, transportation, and building] Ekonomiia tsvetnykh metallov i vnedrenie ikh zamenitelei v promyshlennosti na transporte i v stroitel'stve. Moskva, 1962. 63 p.
[MICROFILM]

Polyethylene is a good substitute for nonferrous metals. M.Dolginova, N.Skibitskii. Mor.flot 23 no.12:29-31 D '63.

METALS AT HIGH TEMPERATURES

Aleksandrov, N.N., and N.I.Klochnev. [Technology of preparing and the properties of heat-resistant cast iron] Tekhnologiia polucheniia i svoistva zharostoikikh chugunov. Moskva, Izd-vo "Mashinostroenie," 1964. 169 p.

Apparatus for determining the density of liquid metals at high temperatures. N.A.Vatolin, E.M.Kern. Zav.lab. 30 no.5:631-632 '64.

Apparatus for measuring the density and surface tension of iron melts. E.S.Filippov, A.A.Vertman, A.M. Samarin. Zav.lab. 30 no.5:620-621 '64.

Determination of the density of metallic melts by the method of calibrated volume. IU.V.Naidich, M.I. Vasiliu. Zav.lab. 30 no.5:567-568 '64.

Nauchno-tekhnicheskoe soveshchanie po voprosam staticheskoi i dinamicheskoi prochnosti materialov i konstruktivnykh elementov pri vysokikh temperaturakh, 2d., Kiev, 1962. [High temperature strength in the manufacture of machinery; transactions] Voprosy vysokotemperaturnoi prochnosti v mashinostroenii; trudy. Pod red. G.S.Pisarenko. Kiev, Izd-vo Akad. nauk USSR, 1963. 335 p.

METALS AT LOW TEMPERATURES

Low-temperature magnetic annealing in Mn - Fe ferrites. K.M.Bol'shova. Izv.AN SSSR.Ser.fiz. 28 no.3: 596-600 Mr '64.

Saturation magnetization of ferromagnetics at helium temperatures. N.V.Zavaritskii, V.A.TSarev. Izv. AN SSSR.Ser.fiz. 28 no.3:533-536 Mr '64.

METALWORK

(see also subdivision under Ukraine, Western)

Determining the energy of shape formation of parts in stamping without presses. M.A.Anuchin and others. Izv.vys.ucheb.zav.; mashinostr. no.2:156-159 '64.

METALWORKERS see subdivision under Donetsk Province

METALWORKERS—EDUCATION AND TRAINING see subdivision under Sverdlovsk Province

METALWORKING LUBRICANTS

Effect of lubricating ingot molds on the surface quality of 1Kh18N9T steel. K.N.Konovalov and others. Stal' 23 no.3:229-231 Mr '64.

METALWORKING MACHINERY—VIBRATION

Natural oscillations in metalworking machinery drives. F.K.Ivanchenko. Izv.vys.ucheb.zav.; chern.met. 7 no.5:177-183 '64.

METAMORPHISM (GEOLOGY)

(see also subdivision under Ebeko Volcano; Karamazar Mountains)

Eliseev, N.A. [Metamorphism] Metamorfizm. [2. izd., perer. i dop.]. Moskva, Izd-vo "Nedra," 1963. 427 p.

Possible siderite oxidation by water under conditions of regional metamorphism. IU.P.Mel'nyk. Dop.AN URSR no.3:361-365 '64.

Semenenko, N.P. [Metamorphism of mobile belts] Metamorfizm podvizhnykh zon. Kiev, 1963. 260 p. (Akademiia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriia petrografii, mineralogii i geokhimii, no.18)

METASOMATISM

Conference on the problem "Metasomatic alterations of wall rocks and their role in ore formation." M.A. Kashkai, V.I.Aliev. Izv.AN SSSR.Ser.geol. 29 no.2: 125-128 F '64.

METASTASIS

Primary cancer of the duodenum. M.G.Khanin, R.I. Kaem. Khirurgiia 39 no.6:130-131 Je '63.

Resection of the lung in metastatic tumors [with summary in English]. A.I.Pirogov, IA.Maksimov. Vest.khir. 90 no.5:15-20 My '63.

X-ray diagnosis of cancerous caries. T.I.Klimkovich. Zdrav.Bel. 9 no.6:7-9 Je '63.

METAXENIA

Metaxenia in tomatoes. A.M.Agadzhanian. Izv.AN Arm.SSR.Biol.nauki 17 no.3:35-43 Mr '64.

METEORITES

(see also subdivision under Podkamennaya Tunguska Valley)

Bibliographic system for meteorites on manually operated punch cards. A.A.IAvnel', G.G.Vorob'ev. Meteoritika no.24:180-193 '64.

Conference on analytic research methods for meteorites. M.I.D'iakonova. Meteoritika no.24:225-226 '64.

Deformation of rocks in the zone of meteorite craters. G.I.Pokrovskii. Meteoritika no.24:99-107 '64.

Glacial meteorites. I.S.Astapovich, K.P.Florenskii. Priroda 53 no.5:84-85 '64.

Meteorites and the problem of the origin of elements in the Galaxy system. V.G.Fesenkov. Meteoritika no.24:34-36 '64.

Nuclear reactions in iron meteorites. A.P.Vinogradov, A.K.Lavrukhina, L.D.Revina. Meteoritika no.24: 22-28 '64.

Problems of the movements of large meteorites. V.A. Bronshten. Meteoritika no.24:75-81 '64.

Shock wave propagation in the ground during the fall of a high speed meteorite to the surface of a planet. IU.P. Raizer. Meteoritika no.24:82-86 '64.

Some actual problems of meteoritics. B.IU.Levin. Meteoritika no.24:16-21 '64.

Some additional data on the Staroye Boriskino carbonaceous chondrite. L.G.Kvasha, Kh.P.Vilk. Meteoritika no.24:204-210 '64.

Some progress in meteoritics. V.G.Fesenkov. Meteoritika no.24:5-15 '64.

METEORITES—ANALYSIS

Composition of chondri and also dark and light varieties of some chondrites. M.I.D'iakonova, V.IA.Kharitonova. Meteoritika no.24:37-40 '64.

New data on the content and isotopic composition of lead in stone meteorites. E.V.Sobotovich, G.P.[illegible], A.V.Lovtsius. Meteoritika no.24:29-33 '64.

Organic compounds of the carbonaceous chondrites. G.P.Vdovykin. Meteoritika no.24:194-203 '64.

METEOROLOGICAL MODELS

Theoretical model of weather forecasting. G.I.Marchuk. Dokl.AN SSSR 155 no.5:1062-1065 Ap '64.

METEOROLOGICAL STATIONS see subdivision under Uzbekistan

METEOROLOGY

Creation of a unified classification of macrosynoptic processes in the Northern Hemisphere. A.A.Girs. Meteor.i gidrol. no.4:43-47 Ap '64.

New horizons in meteorology. N.I.Novozhilov. Priroda 53 no.5:110-111 '64.

Selection of analogues using machines. IU.N.Dmitrieva, N.M.Chapygina. Meteor.i gidrol. no.4:38-39 Ap '64.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—OBSERVATIONS

Use of piezoelectric converters in measuring meteorological elements. N.P.Fateev, V.S.Aleksandrov. Trudy GGO no.112:3-13 '63.

METEOROLOGY, AGRICULTURAL

Research in agricultural meteorology [with summary in English]. N.N.IAkovlev. Trudy po prikl.bot., gen.i sel. 35 no.2:119-130 '63.

Vitkevich, V.I. [Fundamentals of agricultural meteorology] Osnovy sel'skokhoziaistvennoi meteorologii. Izd.2. Moskva, Izd-vo "Kolos," 1964. 303 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)
(DNAL)

Weather and summer grazing of sheep. A.I.Chebotarev. Trudy KazNIGMI no.20:109-119 '63.

METEOROLOGY, MILITARY

Take meteorological conditions into consideration. S.Pavlov. Voen.vest. no.3:44-47 Mr '64.

METEORS

Amplitude-phase method for measuring the altitude of a meteor. B.S.Dudnik. Meteory; sbor.st. no.2/3:22-33 '63.

Drift of meteor trails above Tajikistan (1954-1956) [with summary in English]. A.M.Bakharev. Biul.Inst. astrofiz.AN Tadzh.SSR no.30:43-49 '63.

Evaporation of meteoric ice bodies. K.P.Staniukovich. Meteoritika no.24:66-69 '64.

Influence of the ionization process on the initial radius of a meteor trail. IU.D.Oksiuk. Meteory; sbor.st. no.2/3:34-36 '63.

Meteors in the upper atmosphere of the earth. B.L. Kashcheev. Meteory; sbor.st. no.2/3:5-11 '63.

Methods and errors in the determination of orbits of meteors by radar. M.F.Lagutin. Meteory; sbor.st. no.2/3:12-21 '63.

Orbits of minor meteor showers. A.K.Terent'eva. Astron.tsir. no.240:1-4 Je '63.

Orbits of minor meteor showers; supplement. A.K. Terent'eva. Astron.tsir. no.264:1-8 O '63.

Photoelectric observations of meteors in Dushanbe [with summary in English]. V.A.Rubtsova. Biul.Inst. astrofiz.AN Tadzh.SSR no.35:14-21 '63.

Possible variation in the explosion of meteors. G.I. Pokrovskii. Meteoritika no.24:108-111 '64.

Results of photographic investigations of meteors during the IGY and IGC in Dushanbe [with summary in English]. P.B.Babadzhanov. Biul.Inst.astrofiz.AN Tadzh.SSR no.36:3-30 '63.

Some evaluations of the destruction velocity of large meteoric bodies moving in the atmosphere at high ultrasonic speeds. V.P.Shalimov. Meteoritika no.24: 70-74 '64.

ETHACRYLAMIDE

Spectroscopic study of the [illegible] polymers of [illegible] molecular [illegible] (with summary in English). V. N. [illegible], N. A. [illegible]. Vysokomol. soed. 6 no. 1: 144-[illegible] Ja '64.

ETHACRYLIC ACID

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ETHANE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ETHANE—[illegible]

[illegible]

ETHANOL

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ETHIONINE

[illegible]

METHOXY GROUP

Mobility of hydrogen in the methoxy group of aromatic compounds in [illegible] on other substituents. E. A. [illegible], A. I. Shatenshtein. Dokl. AN SSSR 155 no. 5: 1114-1117 Ap '64.

METHYLAMINE

[illegible] L. P. Lastovskii, I. D. [illegible], V. I. Mironova. Metod. poluch. khim. reak. i prepar. no. 8: 63-[illegible] '63.

METHYLATION

[illegible] V. A. [illegible], N. E. [illegible]. Dokl. AN SSSR [illegible] Ap '64.

METHYLENE BLUE

[illegible]

[illegible] Part 1. [illegible]

METREVELI, MARGARITA, 1913

[illegible] [Catalog of the Travelling Exhibition of pictures by the artists Margarita and Nadia Metreveli] Katalog Peredvizhnoi vystavki kartin khudozhnits Margarity i Nadi Metreveli. [Tbilisi] 1961. 30 p. plates.

METREVELI, NADIA, 1913-

[illegible] [Catalog of the Travelling Exhibition of pictures by the artists Margarita and Nadia Metreveli] Katalog Peredvizhnoi vystavki kartin khudozhnits Margarity i Nadi Metreveli. [Tbilisi] 1961. 30 p. plates.

[illegible] —FOREIGN RELATIONS—FRANCE

[illegible] Mezhdunar. [illegible] My '64.

MICE—PARASITES see Parasites—Mice

MICHURIN, IVAN VLADIMIROVICH, 1855-1935

[illegible] [illegible] 1963. 244 p.

MICROBIOLOGICAL RESEARCH

(see also subdivision under Plants)

[illegible] (with summary in English). V. V. [illegible]. Zhur. mikrobiol., epid. i immun. 40 no. 4: 35-40 Ap '63.

[illegible] (with summary in English). [illegible] 40 no. 4: 72-77 Ap '63.

[illegible]

[illegible]

MICROBIOLOGY

[illegible] collection and bibliography. Zhur. mikrobiol., epid. i immun. 40 no. 4: [illegible] Ap '63.

MICROBIOLOGY—BIBLIOGRAPHY see Bibliography—Microbiology

MICROBIOLOGY—CONGRESSES

[illegible]

MICROBIOLOGY—CULTURES AND CULTURE MEDIA

[illegible] [Catalog of cultures of microorganisms kept in the institutes of the U.S.S.R.] Katalog kul'tur mikroorganizmov, [illegible] Moskva, Izd-vo "Nauka," 1964. 424 p.

[illegible]

[illegible]

[illegible]

Prolonged preservation of Bacillus brevis var. G-B cultures on cotton. Med. prom. 17 no. 10: 44-45 O '63.

Use of dry nutrient medium for the microbiological diagnosis of diphtheria. [illegible] Lab. delo no. 3: 158-159 '64.

MICROBIOLOGY—EQUIPMENT AND SUPPLIES

Modification of [illegible] bacterial trap. [illegible] Lab. delo no. 3: 181-182 '64.

MICROBIOLOGY—TECHNIQUE

Analysis of data on bacteriological diagnosis of diphtheria during a number of years. T. A. Sergeeva. Lab. delo no. 3: 160-162 '64.

Bacteriological diagnosis of salmonellosis. E. M. Frishman. Lab. delo no. 4: 237-240 '64.

Determination of [illegible] in bacterial cells by the paper chromatography method. [illegible] Lab. delo no. [illegible] Ap '64.

Determination of the location of the microobject in a preparation (microcolocation). [illegible] Lab. delo no. 4: 251 '64.

Methodology for the study of bacterial [illegible]. A. P. [illegible], N. I. [illegible], [illegible] Lab. delo [illegible] Ap '64.

Microbiological diagnosis of [illegible]. [illegible], M. V. [illegible]. Lab. delo [illegible] Ap '64.

Preparation of antiglobulin serum by immunization of rabbits using the [illegible] method. [illegible] Lab. delo [illegible] Ap '64.

Rapid laboratory diagnosis of colienteritis with the use of [illegible] and others. Lab. delo no. 4: 234-235 '64.

Special facilities and methods for research on [illegible] in laboratory practice. [illegible] Lab. delo no. 4: 226-231 '64.

MICROCHEMISTRY

Determination of the microscopic quantities of copper in the [illegible] of [illegible], [illegible] Izv. vys. ucheb. zav.; khim. i khim. tekh. [illegible] '64.

Experimental technique in determining the microporosity of [illegible]. [illegible] Metalloved. i term. obr. [illegible]

[illegible] method for determining [illegible] of fatty acids (with summary in English). A. P. [illegible] Vop. pitan. [illegible] '63.

Method of determining small quantities of nickel in biological materials. [illegible] Lab. delo [illegible]

[illegible] Vol. 1. [illegible] Zhur. anal. khim. [illegible] '63.

MICROCLIMATOLOGY see subdivision under Chulym Valley, [illegible] region (Ural Province)

MICROCLIMATE see subdivision under Kazakhstan

MICROCOCCACEAE

[illegible] Dokl. AN SSSR [illegible]

MICROORGANISMS—MOTILITY

Motility and [illegible] of the cells of Euglena gracilis [illegible] in relation to the type of nutrition and illumination. [illegible] E. I. Kass. [illegible]

MICROORGANISMS, EFFECT OF [illegible] ON

[illegible] (with summary in English). M. A. [illegible], A. M. [illegible]. Zhur. mikrobiol., epid. i immun. 40 no. 4: 31-37 Ap '63.

MICROORGANISMS, EFFECT OF RADIATION ON

[illegible] (with summary in English). [illegible]

MICROORGANISMS, NITROGEN-FIXING

New free-living nitrogen-fixing microorganisms (with summary in English). [illegible] Izv. AN SSSR. Ser. biol. no. 2: 270-282 Mr-Ap '63.

MICROPHONE

Dal'nik, A. G. [Microphones] Mikrofony. Moskva, Izd-vo "Energiia," 1964. 24 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 497)

MICRORADIOGRAPHY

Scanning camera for studying dislocations. V. G. Pensin and others. Prib. i tekh. eksp. 9 no. 2: 175-177 Mr-Ap '64.

MICRORADIOGRAPHY—EQUIPMENT AND SUPPLIES

Motorized UR20 camera for diffraction microradiography. V. G. Pensin, M. A. Gurevich, E. M. Semina. Prib. i tekh. eksp. 9 no. 2: 180-182 Mr-Ap '64.

MICROSCOPE

The modern Russian microscope, on the 25th anniversary of its production. A. I. Metel'kin, O. A. Metel'kin. Lab. delo 8 no. 7: 51-54 Jl '62.

MICROSCOPE—TESTING

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Instruction 106-56 for checking universal measuring microscopes] Instruktsiia 106-56 po poverke universal'nykh izmeritel'nykh mikroskopov. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 59 p.

[MICROFILM]

MICROSCOPY

[illegible], V.I., and N.G.Lin. [Practical handbook on the petrographic study of igneous rocks with a microscope] Prakticheskoe rukovodstvo po petrograficheskomu izucheniiu magmaticheskikh porod pod mikroskopom. [Petrozavodsk], Rosvuzizdat, 1963. 76 p.

Microscope with low position of the objective for work with tissue cultures. S.G.Drozdov. Lab.delo no.5: [illegible] '64.

Simple method of preserving smears for multiple microscopy. P.S.Barban. Lab.delo 9 no.4:57-58 Ap '63.

MICROSCOPY—TECHNIQUE

Using the ultramicroscopic method in investigating speed fields of a fluid flow. D.V.Stetsiuk. Izv.vys.ucheb.zav.; mashinostr. no.2:90-97 '64.

MICROSCOPY, MEDICAL

Immediate microscopy of bone injuries in a medicolegal examination of the corpse. Kh.M.Murtazaev. Nauch.trudy SamMI 21:115-117 '62.

MICROSEISMS see subdivision under Dzhambul

MICROWAVE MEASUREMENTS

Brianskii, L.N. [Exact microwave measurement of the coefficients of standing waves of voltage and total resistances] Tochnoe izmerenie koeffitsienta stoiachei volny napriazheniia i polnykh soprotivlenii na santimetrovykh volnakh. Moskva, Standartgiz, 1963. 141 p.

MICROWAVES

Approximate calculation of a large waveguide absorption load with evenly distributed heating. IA.I.Panova. Izv.LETI no.43:125-134 '60.

Behavior of a traveling-wave tube near the boundaries of the passband. G.N.Rapoport, V.E.Chaika. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:56-62 Ja-F '64.

Green's tensor functions of rectangular waveguides and cavity resonators. G.T.Markov, B.A.Panchenko. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:34-41 Ja-F '64.

Grodnev, I.I. [Transmission of electromagnetic energy using directional systems] Peredacha elektromagnitnoi energii po napravliaiushchim sistemam. Moskva, Izd-vo "Sviaz'," 1964. 52 p. (Lektsii po tekhnike sviazi)

Sensitivity of a circuit for the direct detection of amplitude fluctuations of microwave generators. M.S. Skabovskii. Izv.vys.ucheb.zav.; radiotekh. 7 no.1: 97-98 Ja-F '64.

Transient processes in distributed systems during transmission and shaping of nanosecond impulses. G.V.Glebovich. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:42-50 Ja-F '64.

Transients in waveguide resonators with moving walls. O.A.Stetsenko. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:71-80 Ja-F '64.

Variable waveguide attenuator for a high power level. B.Z.Kanter. Izv.vys.ucheb.zav.; radiotekh. 7 no.1: 98-99 Ja-F '64.

MICROWAVES—PHYSIOLOGICAL EFFECT

Effect of microwaves on the cardiovascular system of a practically healthy person. A.N.Obrosov, L.A.Skurikhina, S.N.Safiulina. Vop.kur.,fizioter.i lech.fiz. kul't. 28 no.3:223-229 My-Je '63.

Problems of the mechanism of the biological action of microwaves. A.S.Presman. Usp.sovr.biol. 56 no.2: 161-179 S-O '63.

MICRURGY

Movement of the microinstruments by means of the condenser stand during micromanipulation under the microscope. P.F.Moroz. TSitologiia 5 no.3:354-355 My-Je '63.

MIDDLE URAL ECONOMIC REGION—CHEMICAL INDUSTRIES—FINANCE

Credit-payment service to enterprises. V.Krotov. Den. i kred. 22 no.4:33-34 Ap '64.

IDDLE URAL ECONOMIC REGION—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Place chemical enterprise construction under an unremitted control. M.Charkov. Fin.SSSR 38 no.3:24-26 Mr '64.

IESCHER, GUIDO, 1887-1961

Obituary. A.S.Raben. Vest.derm.i ven. 37 no.5:94 My '63.

IEŽELAITIS, EDUARDAS, 1919-

t resounds proudly. Nikolai Flerov. Sov.voin 44 no.22:36 N '62.

KHALEV, VLADIMIR ALEKSEEVICH, 1913-

n V.A.Mikhalev's 50th birthday and 25th anniversary of scientific activity. Med.prom. 17 no.9:64 S '63.

MILDEW

(see also subdivision under Nakhichevan A.S.S.R.)

Effectiveness of ammonium polysulfide in controlling sugar beet powdery mildew. L.M.Zhukova. Khim.v sel'.khoz. 2 no.2:33-34 F '64.

MILI STEPPE see Kura Lowland

MILITARY AERONAUTICS see Aeronautics, Military

MILITARY ART AND SCIENCE

Development of Soviet military theory in the postwar years. I.Korotkov. Voen.-ist.zhur. 6 no.4:39-50 Ap '64.

Mastery of control in battle. Voen.vest. no.3:3-6 Mr '64.

Problems in the art of war in the Battle of Kursk. A.Kononenko. Voen.-ist.zhur. 6 no.4:115-118 Ap '64.

MILITARY ART AND SCIENCE—DICTIONARIES

Skuibeda, P.I., ed. [Swedish-Russian military dictionary] Shvedsko-russkii voennyi slovar'. Sost. M.V. Litvinenko i dr. Moskva, Voenizdat, 1964. 432 p. 432 p.

MILITARY ASSISTANCE, AUSTRALIAN see subdivision under Malaysia, Federation of

MILITARY BASES

Military bases and international law. A.Piradov. Mezhdunar.zhizn' 11 no.5:140-142 My '64.

The role of military bases in the Pentagon's strategy. IU.Shvedkov. Mezhdunar.zhizn' 11 no.5:68-75 My '64.

MILITARY BASES, AMERICAN

Bases sprawling the world. S.Vladimirov. Nov.vrem. 21 no.21:16-18 My '64.

MILITARY BASES, AMERICAN—MAPS

Our atlas. Mezhdunar.zhizn' 11 no.5:156-157 My '64.

MILITARY BASES, BRITISH—MAPS

Our atlas. Mezhdunar.zhizn' 11 no.5:156-157 My '64.

MILITARY EDUCATION

(see also subdivision under Vilnius)

Follow-up of our articles. Komm.Vooruzh.Sil 4 no.20: 96 O '63.

"Individual evaluation"; survey of responses. Voen. vest. no.3:60-62 Mr '64.

Interest for military knowledge. P.Anishchenko. Komm Vooruzh.Sil 4 no.20:52 O '63.

We are perfecting methodical procedure. V.Chudin. Voen.vest. no.3:62-64 Mr '64.

When the goal is clear. I.Murav'ev. Sov.voin 44 no.22: 13 N '62.

MILITARY ENGINEERING

Combat engineers conduct reconnaissance. F.Khorin. Voen.vest. no.3:93-96 Mr '64.

MILITARY ENGINEERING—COLD WEATHER CONDITIONS

Engineer support of a march in winter. F.Akulishin. Voen.vest. no.3:90-93 Mr '64.

MILITARY HELICOPTERS see Helicopters, Military

MILITARY METEOROLOGY see Meteorology, Military

MILITARY MOTORIZATION see Motorization, Military

MILITARY RADIO see Radio, Military

MILITARY RADIOTELEGRAPH

How do you train radiotelegraph operators?; discussion of the article published in No.1. G.Kiselev and others. Voen.vest. no.3:101-103 Mr '64.

"Training of radiomen should be equal to the new demands"; discussion of the article published in No.10, 1963. M.Babenkov, I.Bokhon'ko, M.Ostapov. Voen. vest. no.3:103-104 Mr '64.

MILITARY RECONNAISSANCE

Combat engineers conduct reconnaissance. F.Khorin. Voen.vest. no.3:93-96 Mr '64.

Reconnaissance group on the march. I.Fadeev. Voen. vest. no.3:39-42 Mr '64.

MILITARY SHOOTING see Shooting, Military

MILITARY STREAM CROSSING see Stream crossing, Military

MILITARY SUPPLIES

Abramov, S.A., and V.A.Batrakov. [Electronic digital computers and troop supply] Elektronnye tsifrovye mashiny i snabzhenie voisk. Moskva, Voenizdat, 1964. 242 p.

MILITARY TOPOGRAPHY

Tying in by one's own forces. N.Litvinov. Voen.vest no.3:80 Mr '64.

MILK—ANALYSIS AND EXAMINATION see subdivision under White Russia

MILK—COMPOSITION

(see also subdivision under Moscow; Saratov; Stavropol Territory)

Changes in the basic components of milk in Kazakh fine-wool sheep as related to the lactation phase. A.V. Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 6:[illegible] '63.

Studying the qualitative composition of milk in [illegible] sows. Z.A.Savkina. Trudy Kras.NIISKH 1:[illegible] '62.

MILK, ACIDOPHILUS

Effect of acidophilus milk and some antibiotics on the intensity of the saprogenic processes in the intestines determined from indicanuria data. N.I.[illegible]. Kaz.med.zhur. no.6:53-54 N-D '62.

MILK, FERMENTED

Biological enrichment of sour milk products with vitamin B_{12} (with summary in English). Z.P.Ry[illegible]. Izv.TSKHA no.1:217-224 '60.

MILK, HUMAN see subdivision under Archangel

MILK, HUMAN—COMPOSITION see subdivision under Tajikistan

MILK SUGAR see Lactose

MILKING MACHINES see subdivision under Zaporozh'ye Province

MILKING PARLORS

(see also subdivision under Ukraine)

Carrousel-type conveyor milking system. G.[illegible], A.Zlotin. Tekh.v sel'khoz. 23 no.12:17-19 D '63.

Results of the All-Union competition for the best design of a circular carrousel-type conveyor milking system. Tekh.v sel'khoz. 23 no.12:24 D '63.

MILKY WAY

Specificity of rotating systems. Initial density of the metagalaxy [with summary in English]. V.S.Saf[illegible]. Vop.kosm. 9:180-195 '63.

MILLET

Obtaining high millet yields. I.V.Demchenko. Zemledelie 26 no.1:59-60 Ja '64.

MILLING (METALWORK)

Avrutin, S.V. [Milling] Frezernoe delo. Izd.5., perer. i dop. Moskva, Proftekhizdat, 1963. 541 p.

MILLING MACHINERY

Improvement of the coal grinding operation of a redesigned high-speed hammer mill with air flow separation. E.M.Kazarnovskii, P.P.Vorotyntsev. Energomashinostroenie 9 no.3:30-33 Mr '63.

MILLING MACHINES

Milling with a lathe. M.Krachkovskii. Tekh.v sel'khoz. 23 no.12:72-74 D '63.

MILLING MACHINES—NUMERICAL CONTROL

Linear interpolator in a digital program control system. I.P.Paliodze, I.L.Minitskaia. Trudy Inst.elek., avtom.i telem.AN Gruz.SSR 4:121-126 '63.

Mathematical modeling of the operation of a section mill. V.V.Kobozev, A.I.Nazarenko. Izv.AN SSSR.Tekh.kib. no.2:12-23 Mr-Ap '64.

MILLSTONES

Installing millstone sets, processing and cutting millstones. V.Ponomarev. Muk.-elev.prom. 29 no.10: 28-31 O '63.

MINE ACCIDENTS see subdivision under Balkhash region

MINE BUILDINGS

(see also subdivision under Donets Basin)

Establishing the radii of earthquakeproof zones of a complex of buildings of an ore dressing plant. I.I.Vakhrameev, L.B.Pisareva. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:60-67 '64.

Possibilities of using the distribution method of linear programming for solving operations and economic problems in mine construction. G.V.Surmilo, S.M.Rabinovich. Shakht.stroi. 7 no.12:10-14 D '63.

MINE BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Krivoy Rog Basin)

Efficient use of engineering spaces under floors in series 1-464P houses. A.G.Lidnevich, R.E.Ballasnyi. Sbor.nauch.trud.KGRI 18:95-97 '62.

Structural control network used in the construction of mine buildings. T.P.Borshchova, P.I.Efimov. Sbor. nauch.trud.KGRI 18:89-92 '62.

MINE DUSTS

Studying the efficiency of using water screens and normalization of their operation. L.IA.Likhachev, I.P.Bel[illegible]gov, V.I.Vasil'ev. Nauch.soob.VostNII no.3:80-82 '63.

MINE DUSTS—PREVENTION

Increasing the stability of foams used for dust suppression in coal mines. B.A.Rozenberg and others. Zhur.prikl. khim. 37 no.4:909-911 Ap '64.

MINE DUSTS—REMOVAL

Results of controlling dust during development working with the help of a cutter-loader. IU. P. Pavlenko, I. P. Petrov. Ugol' 39 no. 3:62-63 Mr '64.

MINE EXPLOSIONS

Investigation for the purpose of determining the number of advance boreholes while mining development workings on seams presenting a danger of sudden outbursts of coal and gas. O. I. Chernov, E. S. Rozantsev. Nauch. soob. VostNII no. 3:71-79 '63.

Mining coal seams presenting a danger of outbursts in the Vorkuta deposit. V. M. IAkovlev. Ugol' 39 no. 3: 59-62 Mr '64.

Various degrees of danger of outbursts in coal seams along the height of the level. O. I. Chernov, V. N. Puzyrev. Nauch. soob. VostNII no. 3:65-70 '63.

MINE FILLING

Coal mining with filling is a progressive method of working thick steep seams. V. F. Krylov, V. V. Dobrovol'skii. Ugol' 38 no. 12:11-13 D '63.

Complete filling for the preservation of industrial buildings and structures in the Donets Basin. P. I. Toropov. Ugol' 38 no. 12:13-14 D '63.

Practices of the "Khatsepetovskaia-Zapadnaia" Mine with filling of drawn stopes. N. G. Petukhov, V. F. Kuzichev. Ugol' 38 no. 12:9-11 D '63.

Technology of filling operations in the Central Donets Basin Region and ways of improving it. IA. E. Nekrasovskii, O. V. Kolokolov. Ugol' 38 no. 12:14-18 D '63.

MINE GASES

(see also subdivision under Karaganda Basin; Kuznetsk Basin)

Calculation of the methane abundance of workings of a shield section. A. A. Miasnikov. Nauch. soob. VostNII no. 3:21-31 '63.

Determination of the expected methane liberation from walls of blind workings in various methods of development mining. V. N. Satarov. Nauch. soob. VostNII no. 3:39-47 '63.

Readers' response to the article by A. E. Petrosian, I. V. Sergeev, and N. I. Ustinov "Gas abundance in mining areas during the complex mechanization of coal mining."; Ugol', 1963, No. 2. S. M. Garkavi. Ugol' 38 no. 12:49-50 D '63.

Sources of gas liberation in Kuznetsk Basin mines during the use of the long pillar system along the strike. K. A. Efremov, L. D. Kolotovkin. Nauch. soob. VostNII no. 3; 48-56 '63.

Studying the efficiency of using water screens and normalization of their operation. L. IA. Likhachev, I. P. Belonogov, V. I. Vasil'ev. Nauch. soob. VostNII no. 3:80-82 '63.

MINE HAULAGE

Conveying in open-cut mining or rock products abroad. IU. D. Bulanov, G. R. Butkevich. Stroi. mat. 9 no. 8: 36-39 Ag '63.

Methods of selecting an efficient grade for automobile roads in the use of truck transportation in strip mines. M. V. Vasil'ev, E. P. Doronenko. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:125-131 '64.

Study of the efficiency of grizzly and scraper haulage of ores. P. E. Zurkov, V. M. Busyrev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:19-24 '64.

Study of the processes of anthracite coal breakage during its haulage in mines. A. A. Krakhmalev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:124-131 '63.

Using PML-5 rock loaders during the mining of inclined workings. M. E. Bol'shinskii, A. V. Khozin, V. F. Cherkasov. Shakht. stroi. 7 no. 12:25 D '63.

INE HOISTING

Automatic control of loading and unloading of skips with the use of radioactive isotope relays and transducers. K. S. Moiseenko. Ugol' 39 no. 3:45-48 Mr '64.

Bazhutin, A. N., and others. [Mechanization of lowering and hoisting operations in exploratory core drilling] Mekhanizatsiia spusko-pod"emnykh operatsii v razvedochnom kolonkovom burenii. Moskva, Izd-vo "Nedra," 1964. 110 p.

Characteristics of the movement of flexible guides with pinched ends. K. V. Krasil'nikov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:141-145 '63.

INE HOISTING—ELECTRIC DRIVING

Possibility of raising the frequency of natural oscillations of an amplidyne for use as a low-frequency current generator in the automation of mine hoisting machinery with an asynchronous drive. V. P. Klubin, A. N. Mariuta. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:197-202 '63.

INE HOISTING—EQUIPMENT AND SUPPLIES

Automatic charging devices for the mine skip hoist. M. N. Vasilevskii, M. I. Stolbun, R. S. Goliadov. Avtom. i prib. no. 1:5-7 Ja-Mr '64.

Automatic control of auxiliary winches in mines. N. Sh. Shaiakberov. Sbor. nauch.-tekh. inform. no. 3:15-18 '60.

INE LIGHTING

Calculation of light losses in mine atmosphere. I. S. Samoilovich. Svetotekhnika 10 no. 4:1-6 Ap '64.

MINE RAILROADS

Determination of the most efficient distance between sidings. N. I. Makarov. Shakht. stroi. 7 no. 12:18-19 D '63.

Inertia-type locomotive with gyrofly wheel. M. S. Blanter. Shakht. stroi. 7 no. 12:16-17 D '63.

MINE RAILROADS—CARS

Operation of powered units for changing mine cars during the construction of mines in Karaganda. A. M. Fridland, V. D. Dulin, A. N. Felonin. Shakht. stroi. 7 no. 12:21-25 D '63.

MINE ROOF BOLTING

(see also subdivision under Estonia)

Certain considerations concerning the function of oil shale mine roof bolting and practical conclusions. A. Hallik. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:32-43 '62.

Determining the state of the working unit of mine roof bolting. L. Talve. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:65-77 '62.

Fundamentals of analyzing roof bolting deformation from its characteristics. L. Talve. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:45-64 '62.

MINE SURVEYING

Adjusting directional angles at points of underground trilateration networks. A. N. Ivlev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:54-58 '63.

Analysis of mine surveying errors in traversing with the help of matrices. I. P. IArmolovich. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:68-75 '64.

Errors of adjoining to a line of mine plumb bobs by an elongated connecting triangle. V. I. Akulov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:59-67 '63.

Mutiple bob plumbing during mine orientation. I. G. Lleitea. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:68-75 '63.

Structural control network used in the construction of mine buildings. T. P. Borshcheva, P. I. Efimov. Sbor. nauch. trud. KGRI 18:89-92 '62.

MINE SURVEYING—EQUIPMENT AND SUPPLIES

Comparative evaluation of mine surveying instruments used for underground chambers and cavities. G. I. Gerasimenko. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:48-53 '63.

MINE TIMBERING

(see also subdivision under Donets Basin; Kuznetsk Basin)

Determination of efficient parameters for the system of mining flat seams with the use of powered supports. S. G. Baranov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1: 25-30 '64.

Efficiency of using a metal support in longwalls of Karaganda Basin mines. M. I. Shnaidman. Ugol' 38 no. 12:47-49 D '63.

Experimental lining of horizontal openings with steel and plastic concrete supports. A. A. Sapunov. Trudy TSNIIPodzemshakhstroia no. 2:150-157 '63.

Interaction of powered supports with wall rocks. S. T. Kuznetsov, F. P. Glushikhin. Ugol' 38 no. 12:32-35 D '63.

Method of concreting without formwork. IU. Z. Shapiro. Trudy TSNIIPodzemshakhstroia no. 2:131-141 '63.

Way of erecting supports in upraise shafts. Ugol' 38 no. 12:63-64 D '63.

MINE TIMBERING—COSTS

Timbering horizontal workings at the No. 2 "Zapadnaia-Donbasskaia" Mine. E. V. Kazakevich, V. L. Sakhnovskii. Shakht. stroi. 7 no. 12:26 D '63.

MINE VALUATION

Effect of depressions on the size of a mining area. A. M. Kunosov. Nauch. soob. IGD 22:155-163 '63.

MINE VENTILATION

Calculation of the methane abundance of workings of a shield section. A. A. Miasnikov. Nauch. soob. VostNII no. 3:21-31 '63.

Condition of the ventilation in stopes with a large pitch of caving. A. L. Surkov. Nauch. soob. VostNII no. 3:32-38 '63.

Descentional ventilation of workings in hydraulic mines. M. P. Kukharskii, IU. N. Gerashchenko. Ugol' 38 no. 12:39-41 D '63.

Determining the coefficient of local resistance in the bend of a duct. F. A. Abramov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:39-47 '63.

Effect of the rate of mining a coal seam on the ventilation of the stope. A. A. Miasnikov. Nauch. soob. VostNII no. 3:13-20 '63.

Geometric theory of mine ventilation systems. A. D. Bagrinovskii. Nauch. soob. IGD 22:21-32 '63.

Losses in air ducts and means of improving the ducting. B. A. Nosyrev, M. P. Zub. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:146-149 '64.

Transmitter of the speed of air flow with a sensitive element, deflector, and transformer angle converter. M. A. Tyryshkin. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:181-189 '63.

[Ventilation of mines and strip mines] Ventiliatsiia shakht i kar'erov. [By] S. I. Lugovskii i dr. Moskva, Izd-vo "Nedra," 1964. 306 p.

Ventilation of through workings after blasting operations. Lu Go-zhun [Lu K'uo-jung]. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:31-38 '63.

MINE VENTILATION—EQUIPMENT AND SUPPLIES

Role of booster units in a mine compressed air system. K. I. Khomytsevich. Ugol' 38 no. 12:28 D '63.

MINE VENTILATION—MODELS

Study of the ventilation of blind room workings by means of hydraulic models. G. IU. Laigna. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:26-30 '63.

MINE WATER

Study of the process of the bituminization of water-bearing rock. B. P. Shreiber. Trudy TSNIIPodzemshakhstroia no. 2:71-82 '63.

MINE WATER—PURIFICATION

Using mine water for industrial purposes. I. M. Soboleva, S. V. Pel'tikhin. Ugol' 39 no. 3:75-76 Mr '64.

MINERAL WATERS see subdivision under Ivanovo; Moldavia; Omsk Province; Sergeyevka (Moldavia)

MINERAL WATERS, SULFUROUS

Nikitin, K. F., and E. Z. Neimark. [Problems in the hydrogen sulfide therapy of nervous diseases] Voprosy serovodorodnoi terapii nervnykh zabolevanii. Moskva, Meditsina, 1964. 210 p.
(DNLM)

MINERAL WOOL

(see also subdivision under Moscow)

Mineral wool from waste products of the oil shale industry. Z. I. Volkova, S. N. Ivanova, I. M. Ozerov. Trudy VNIIT no. 11:211-217 '62.

MINERALOGY

(see also subdivision under Zeya-Bureya Plain)

Distribution of minerals in the granulometric fractions of alluvial and eolian sands [with summary in English]. V. N. Shvanov. Vest. LGU 19 no. 6:155-159 '64.

MINERALOGY, DETERMINATIVE

Photometric determination of titanium in microgram portions of minerals and rocks by means of 2, 7-dichlorochromotropic acid [with summary in English]. N. S. Klassova, L. L. Leonova. Zhur. anal. khim. 19 no. 1:131-132 '64.

Rapid determination of silicic acid in mineral raw materials. V. A. Khalizova, A. IA. Alekseeva, E. P. Smirnova. Zav. lab. 30 no. 5:530-531 '64.

MINERALS

(see also subdivision under Monchegorsk region, Murmansk Province; Nepal; Sayan Mountains; Uzbekistan)

Distribution of heavy minerals in the beach belt. A. A. Aksenov, V. P. Petelin. Okeanologiia 4 no. 2:295-299 '64.

Effect of mineral additions on Tkibuli coal pyrolysis. V. G. Gegelo, L. A. Litsinova. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:81-89 '63.

Electron diffraction study of the crystalline structure of $PbCO_3PbO, 2H_2O$. A. A. Voronova, B. K. Vainshtein. Kristallografiia 9 no. 2:197-203 Mr-Ap '64.

Equivoluminal formulae of minerals. V. G. Bogolepov. Vest. AN Kazakh. SSR 19 no. 11:86-89 N '63.

Structure of sklodovskite. V. I. Mokeeva. Kristallografiia 9 no. 2:277-278 Mr-Ap '64.

Uklonskovite, a new mineral. I. M. Rumanova, E. P. Popova. Kristallografiia 9 no. 2:275-277 Mr-Ap '64.

MINERALS IN FOOD

Copper, manganese and iron content in food concentrates and products. N. G. Priev, I. A. Ataullakhanov. Nauch. trudy SamMI 21:181-185 '62.

MINERALS IN SOILS see subdivision under Murgab Oasis

MINERS—DISEASES AND HYGIENE

Prikhod'ko, P. T. [Mining machinery in relation to hygiene; basic principles and methods of physiological and hygienic evaluation of mining machinery] Gornye mashiny v gigienicheskom otnoshenii; osnovnye printsipy i metody fiziologo-gigienicheskoi otsenki gornykh mashin. Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1963. 67 p.

MINERS—EDUCATION AND TRAINING see subdivision under Karaganda Basin; Shakhtinsk (Karaganda Province)

MINES AND MINERAL RESOURCES

(see also subdivision under Kara-Bogaz-Gol (Gulf))

New urgent problems. Vest. LGU 19 no. 6:5-6 '64.

MINGECHAUR RESERVOIR—MYXOSPORIDIA

New species of myxosporidians from Varicorhinus of the Kuba River basin. N.K.Kandilov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.6:75-76 '63.

MINGECHAUR RESERVOIR—VARICORHINUS

New species of myxosporidians from Varicorhinus of the Kuba River basin. N.K.Kandilov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.6:75-76 '63.

MINING ENGINEERING
(see also subdivision under Armenia; Donets Basin; Kazakhstan)

Analysis of the efficiency of basic measures for improving the technology of mining thick ore deposits. L.I. Baron, V.P.Shabel'nikov. Nauch.soob.IGD 22:94-108 '63.

Contemporary ideas concerning the rupture of a solid. G.K.Martyniuk. Nauch.soob.IGD 22:32-43 '63.

Destruction of rocks by means of Joule's heat effect. G.Vartanov, IU.Protasov. Prom.Arm. 7 no.3:51-54 Mr '64.

Effect of angular and free linear contours on the distribution of stresses in a half plane under the action of a concentrated load. D.V.Riabchenko. Nauch.soob. IGD 22:43-56 '63.

Effect of the coefficient of lateral thrust on the stability of various kinds of openings. R.I.Khaimova-Mal'kova. Nauch.soob.IGD 22:64-75 '63.

Methods of comparing and selecting design elements for mining systems according to their relative stability. Z.A.Terpogosov. Nauch.soob.IGD 22:76-94 '63.

New books. Ugol' 39 no.3:79-80 Mr '64.

Possibilities of using the distribution method of linear programming for solving operations and economic problems in mine construction. G.V.Surmilo, S.M.Rabinovich. Shakht.stroi. 7 no.12:10-14 D '63.

Results of rock breaking by compressed air. N.I. Aleksandrov, I.I.Efanov. Nauch.soob.IGD 22:117-122 '63.

Technical and economic evaluation of systems of working steeply pitching seams. E.I.Boguslavskii, B.G. Eliseev. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:83-87 '63.

Using electronic machines for calculating the average temperature of frozen rock barriers. E.M.Stepanova. Nauch.soob.IGD 22:16-21 '63.

Ways of raising the coefficient of the utilization of boreholes during mining operations in hard rock. F.T. Skuibin. Trudy TSNIIPodzemshakhstroia no.2:110-120 '63.

MINING ENGINEERING—COLD WEATHER CONDITIONS

Seasonal changes in the specific resistance of rocks in underground mine workings in permafrost ground. I.I. Borodin. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:155-159 '63.

MINING ENGINEERING—CONGRESSES

Conference on the utilization of mathematical methods in mining. G.I.Gritsko. Ugol' 38 no.12:50 D '63.

MINING ENGINEERING—MODELS

Study of the stressed state of pillars and measures for increasing their supporting power. E.A.Mel'nikov. Nauch.soob.IGD 22:56-64 '63.

MINING ENGINEERING—STUDY AND TEACHING

Facing a new registration; Well thought out preparation and organization is of decisive importance. A.A. IUn'kov. Vest.vys.shkoly 22 no.4:62-63 Ap '64.

Seminar for the exchange of progressive practices by collectives of communist labor in the coal industry. F.IA.Rozenberg. Ugol' 39 no.3:71-72 Mr '64.

Student of mining engineering should have fully adequate practice. P.A.Makhin. Vest.vys.shkoly 22 no.4:37-40 Ap '64.

MINING INDUSTRY see subdivision under Leninogorsk region

MINING INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Zyryanovsk District

MINING INDUSTRY—FINANCE

Economic estimates of investments taking into account the length of time necessary for the development stage. I.G.Alekseevskii. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:76-79 '64.

Optimum criteria and methods of determining the productive capacity of mining enterprises. K.E. Vinitskii, E.M.Pakhomov. Nauch.soob.IGD 22:122-127 '63.

MINING MACHINERY

Calculation of power-operated cutting vibrators. A.V. Kolomoets. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:112-116 '64.

Characteristics of the fracture of frozen ground with a percussive cutting tool. M.A.Gurin. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:104-111 '64.

Measuring the stresses acting upon roller bits. V.L. Dolgov. Nauch.soob.IGD 22:148-154 '63.

Prikhod'ko, P.T. [Mining machinery in relation to hygiene; basic principles and methods of physiological and hygienic evaluation of mining machinery] Gornye mashiny v gigienicheskom otnoshenii; osnovnye printsipy i metody fiziologo-gigienicheskoi otsenki gornykh mashin. Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1963. 67 p.

Results of plant tests of a PP-3 loading machine [illegible] mines. IU.Sunlan. [illegible] no.10:78-83 '63.

Using calculating machines to study the parameters of mining machines and mechanisms. [illegible] Nauch.soob.IGD 22:3-16 '63.

MINING MACHINERY—HYDRAULIC DRIVE

Some results of studying systems of the [illegible] electro hydraulic drive with [illegible] V.N.Gordeev. Nauch.soob.IGD [illegible]

MINING MACHINERY—MAINTENANCE AND REPAIR see subdivision under Karabash (Chelyabinsk Province)

MINING MACHINERY—PNEUMATIC DRIVE

Studying the operating conditions of the [illegible] of loading machines. A.S.Komarov, [illegible] Trudy TSNIIPodzemshakhstroia [illegible]

MINING MACHINERY—TECHNOLOGICAL INNOVATIONS

Overall mechanization and automation in mines. [illegible] Mel'kumov. Mekh.i avtom.proizv. 18 [illegible] '64.

MINING MACHINERY—TESTING

Industrial testing of KG-1 [illegible] A.V.Neukrelin, A.II.IAkovlev. Trudy TSNIIPodzemshakhstroia no.3:82-88 '64.

MINOR PLANETS see Planets, Minor

MINSK—CANCER

Cancer of the stomach from data of the [illegible] department of the First Clinical Hospital in Minsk. M.L.Malzon. Zdrav.Bel. 9 no.6:9-10 [illegible]

MINSK—CAPITAL

From practice in establishing norms of working capital. V.Pyzh. Fin.SSSR 30 no.3:48-50 Mr '64.

MINSK—MOTORTRUCKS

Characteristics of the design and operation of [illegible] motortrucks of the White Russian Auto[illegible] Z.Shishkin. Avt.transp. 42 no.4:41-42 Ap '64.

MINSK—STREETS

Lysonko, A.V. [The main street of Minsk (Lenin Avenue)] Glavnaia ulitsa Minska (Leninskii prospekt). Minsk, Gos. izd-vo BSSR, 1963. 80 p. illus.

MINSK—TREES—WATER REQUIREMENTS

Effect of soil moisture balance on the growth [illegible] tion of woody plants. I.N.Rakhteenko, [illegible] skii, L.A.Krot. Dokl.AN BSSR [illegible] 210 '63.

MINSK PROVINCE—MEDICAL PERSONNEL—CONGRESSES

Seventh Minsk Province Conference of the Trade Union of Medical Personnel. M.Pilelskii. Zdrav.Bel. 9 no.6:87 Je '63.

MINSK PROVINCE—PINE

Effect of some climatic factors on the [illegible] mon pine. I.V.Gundarchenko. [illegible] no.5:173-176 '63.

MIRNYY REGION, ANTARCTICA—WINDS

Diurnal variations of the wind velocity in the Mirnyy region. G.V.Ganes. Trudy [illegible] gidrometeor.inst. no.8:105-108 '63.

MISCONDUCT IN OFFICE

Struggle against eyewash and the defraudation of the Soviet state. IU.IUrburgskii. Sots.zakon. 40 no.12:30-33 D '63.

MISHOVDAG OIL FIELD—OIL FIELD BRINES

Characteristics of the change in the chemical composition of the waters in horizon I of the producing series in the Mishovdag oil field. Sh.A.Panakhi. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:6-9 '64.

MISINS, JANIS, 1862-1945

Rancans, F. [Janis Misins and his library] Janis Misins un viņa bibliotēka. Riga, Latvijas Valsts izdevniecība, 1963. 326 p. [In Latvian]

MITES see subdivision under Kamchatka; Kobystan; Siberia, Western; Turkmenistan

MITOCHONDRIA

Contractile protein from the liver mitochondria. B.F. Poglazov, T.IA.Volkova, A.I.Zotin. TSitologiia 5 no.3:336-339 My-Je '63.

Determination of the activity of mitochondrial [illegible] oxidase by spectrophotometry [with summary in English]. V.Z.Gorkin and others. Biokhimiia 27 no.6:[illegible] N-D '62.

[illegible]

MOISTURE IN BUILDING MATERIALS

Moisture in materials and qualities of built-up roofs. A. Fokanin. Stroi. i arkhit. Mosk. 12 no. 12:30-31 D '63.

MOLASSES
(see also subdivision under Panevezys, Lithuania; Verkhne-Dneprovsk, Dnepropetrovsk Province)

Determination of potassium and sodium in molasses. [illegible] Trudy KIIPP no. 27: 55-60 '63.

Effect of molasses silage on the meat quality of beef cattle. [illegible] Trudy VNIIMP no. 15:7-11 '64.

Preparation of glutamic acid, [illegible] and other valuable substances by the ion exchange [illegible] from molasses and waste products of its processing. [illegible] Izv. AN [illegible]

Production of starch molasses and glucose syrups from corn. [illegible] Trudy KIIPP no. [illegible]

MOLASSES—TESTING

Experience with the operation of the [illegible] Izv. vys. ucheb. zav.; pishch. tekh. no. 2:141-142 '64.

MOLASSES AS FEED

Molasses as a valuable ingredient of mixed feeds. [illegible] Muk.-elev. prom. 29 no. 10:22, 3 of cover O '63.

MOLDAVIA—ALIMENTARY CANAL—DISEASES

Organization of the control of [illegible] diseases and diseases of the gastrointestinal tract [illegible]

MOLDAVIA—BOTANICAL GARDENS

[illegible]

MOLDAVIA—BOTANY, MEDICAL

Liakhov, D. I. [Medicinal plants of the Moldavian S.S.R.] Lekarstvennye rasteniia Moldavskoi SSR. Izd. 2., dop. Kishinev, Kartia moldoveniaske, 1963. 75 p.

MOLDAVIA—CANNING INDUSTRY—[illegible]

[illegible]

MOLDAVIA—CARDIOVASCULAR SYSTEM—DISEASES

Organization of the control of [illegible] diseases and diseases of the [illegible]

MOLDAVIA—COLLECTIVE FARMS

[illegible], I. A. [Moldavian provincial party organization in the struggle for the collectivization of agriculture] Moldavskaia oblastnaia partiinaia organizatsiia v bor'be za provedenie kollektivizatsii sel'skogo khoziaistva, 1928-1937 gg. Kishinev, Kartia moldoveniaske, 1963. 48 p.
[illegible]

MOLDAVIA—COLLECTIVE FARMS—FINANCE

[illegible]

[illegible]

MOLDAVIA—COLLECTIVE FARMS—INCOME DISTRIBUTION

[illegible]

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION

[illegible], I. A. [Moldavian provincial party organization in the struggle for the collectivization of agriculture] Moldavskaia oblastnaia partiinaia organizatsiia v bor'be za provedenie kollektivizatsii sel'skogo khoziaistva, 1928-1937 gg. Kishinev, Kartia moldoveniaske, 1963. 48 p.
[illegible]

MOLDAVIA—FARM PRODUCE—MARKETING

[illegible]

MOLDAVIA—FEUDALISM

"Moldavia in the epoch of feudalism. Vol. I. Slavic-Moldavian documents." Reviewed by D. P. Bogdan. [illegible] no. 2:183-184 Mr-Ap '64.

MOLDAVIA—LABOR LAWS AND LEGISLATION

The reader continues the conversation. Sov. profsoiuzy 20 no. 7:20-21 Ap '64.

MOLDAVIA—LIBRARIES, CHILDREN'S

Be worthy of our times. N. Onika. Bibliotekar' no. 5: 30-31 My '64.

MOLDAVIA—MINERAL WATERS

Submerged intestinal lavage with the "Kishinevskaya" mineral water in chronic colitis. S. A. [illegible] Zdravookhranenie 7 no. 1:33-36 Ja-F '64.

MOLDAVIA—ONCOLOGY—CONGRESSES

Third Oncological Conference and The Fourth Conference of Roentgenologists and Radiologists of the Moldavian S.S.R. IU. B. Mandel'tsvaig. Med. rad. 8 no. 5:90-94 My '63.

MOLDAVIA—PLANTS, PROTECTION OF

Defenders of the [illegible] Zashch. rast. ot vred. i bol. 9 no. 4:42 '64.

MOLDAVIA—PUBLIC HEALTH

State of and prospects for the development of therapeutic aid in Moldavia. [illegible] Zdravookhranenie 7 no. 1:3-6 Ja-F '64.

MOLDAVIA—RADIOLOGY—CONGRESSES

Third Oncological Conference and The Fourth Conference of Roentgenologists and Radiologists of the Moldavian S.S.R. IU. B. Mandel'tsvaig. Med. rad. 8 no. 5:90-94 My '63.

MOLDAVIA—RAILROADS—EARTHWORK

Examination of a roadbed by the dynamic sounding method. [illegible]

MOLDAVIA—TECHNICAL EDUCATION

Training skilled workers in the vocational and technical school system of the Moldavian S.S.R. [illegible]

MOLDAVIA—THERAPEUTICS—CONGRESSES

[illegible] Zdravookhranenie 7 no. 1:62-64 Ja-F '64.

MOLDAVIAN ART see **Art, Moldavian**

MOLDAVIAN FOLKLORE see **Folklore, Moldavian**

MOLDAVIAN LITERATURE—HISTORY AND CRITICISM

[Literature and the present. Translated from the Moldavian] Literatura i sovremennost'. Kishinev, Kartia Moldoveniaske, 1963. 201 p.

MOLDING (FOUNDING)

Casting of [illegible] molds. [illegible] Mr '64.

Casting steel flanges in metal molds. [illegible] Mashinostroenie no. 2:35 Mr-Ap '64.

MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Mechanized painting of ingot molds and cores. [illegible] Mekh. i avtom. proizv. 18 no. 5:26-27 My '64.

Using radioisotopes for checking the density of foundry molds. [illegible] Mashinostroenie no. 2:75-76 Mr-Ap '64.

MOLDS (BOTANY)

Continuous system developed by the Central Scientific Research Institute of the Distilling Industry for the growing of mold fungi with the surface method. [illegible] Trudy TSNIISP no. 12:44-54 '62.

Production of mixed active varieties of mold fungi forming amylolytic enzymes. [illegible] Trudy TSNIISP no. 12:[illegible] '62.

MOLECULAR ASSOCIATION

Effect of the nonpolar components of a binary solvent on the development of molecular association in [illegible] Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:18-24 Mr-Ap '64.

MOLECULAR BIOLOGY

Molecular biology and the development of the theory of evolution. [illegible] Vop. filos. 18 no. 4:[illegible] '64.

Molecular organization of the caudal sheath of phage T_2. N. A. Kiselev, [illegible] Dokl. AN SSSR 155 no. 2:[illegible] My '64.

MOLECULAR ROTATION

Scattering of light, fluorescence, and transient phenomena. [illegible] Dokl. AN SSSR 154 no. 2:321-324 Ja '64.

MOLECULAR SPECTRA

Addenda to "Edges of molecular bands excited in a gas discharge." Metod. anal. khim. reakt. i prepar. no. 7: 47-86 '63.

Use of the F-function method in calculating the optical absorption cross sections in the electron bands of high-temperature two-atomic molecules. V. N. Soshnikov. Opt. i spektr. 16 no. 4:552-555 Ap '64.

MOLECULAR STRUCTURE

Effect of aliphatic acids on the structure of the trypsin molecule. V. V. Mosolov. Dokl. AN SSSR 155 no. 4: 953-955 Ap '64.

Effect of modifiers on the formation of the supermolecular structure of viscose fibers. A. I. Meos, M. N. Vishniakova, M. Dmitriu. Khim. volok. no. 2:43-48 '64.

Role of the molecular composition of a stream of alloying elements in the production of germanium and silicon films under vacuum. V. V. Postnikov. Kristallografiia 9 no. 2:300-303 Mr-Ap '64.

MOLECULAR WEIGHTS

Evaluating the molecular weights of polyethylene terephthalate and of the fibers made from it (lavsan). E. M. Aizenshtein, M. I. Zhivina. Khim. volok. no. 2:74-75 '64.

Use of diffusion salting-out for evaluating the molecular weight distribution of poly-ε-caproamide [with summary in English]. V. M. Poltakova, A. E. Feltserman, R. V. Voitsekhovskii. Vysokom. soed. 6 no. 3:432-433 Mr '64.

MOLECULES—VIBRATION

Simple method for calculating symmetry coefficients in the theory of vibrations of polyatomic molecules. L. A. Gribov. Opt. i spektr. 16 no. 4:714-718 Ap '64.

MOLLUSKS, FOSSIL
(see also subdivision under Baikal Lake region; Dniester Valley)

Boundary between the Pliocene and Quaternary based on the fauna of marine mollusks. I. P. Zhizhchenko. Biul. Kom. chetv. per. no. 28:13-23 '63.

MOLODECHNO DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

The training center of a collective farm. [illegible] Kommunist Bel. 38 no. 4:39-40 Ap '64.

MOLTEN METALS see **Liquid metals**

MOLYBDATES

Study of the cathodic deposit formed in the electrolysis of molybdate aqueous solutions. A. S. Goncharenko. Zhur. prikl. khim. 37 no. 4:915-916 Ap '64.

MOLYBDENUM

Preparation and properties of single crystals of molybdenum. V. S. Emel'ianov and others. Met. i metalloved. chist. met. no. 4:58-63 '63.

Studying the diffusion of carbon and molybdenum in chromium. P. L. Gruzin, S. V. Zemskii, I. M. Rodina. Met. i metalloved. chist. met. no. 4:243-250 '63.

MOLYBDENUM—ANALYSIS

Detection of molybdenum as a pyrocatechol-pyridine complex [with summary in English]. A. I. Busev, G. P. Rudzit. Zhur. anal. khim. 19 no. 1:102-104 '64.

MOLYBDENUM-CHROMIUM ALLOYS see **Chromium-molybdenum alloys**

MOLYBDENUM COMPOUNDS

Interaction between molybdenum (VI) and iron (III) in a weak acid solution. N. A. Zhukova, L. I. Lebedeva. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:164-165 '64.

MOLYBDENUM COMPOUNDS—SPECTRA

Electron paramagnetic resonance and nuclear spin echo in oxychloride solutions of pentavalent molybdenum. N. S. Garif'ianov, V. N. Fedotov, N. S. Kucheriavenko. Izv. AN SSSR. Ser. khim. no. 4:741-745 Ap '64.

MOLYBDENUM-IRON ALLOYS see **Iron-molybdenum alloys**

MOLYBDENUM ORES
(see also subdivision under Transbaikalia)

Complex dressing of molybdenum ore. IU. I. Eropkin. Trudy Mekhanobra no. 131:191-195 '62.

Rhenium and molybdenum in copper-molybdenum deposits. V. N. Gorshkova. Trudy IMGRE no. 10:171-183 '63.

MOLYBDENUM SULFIDE CRYSTALS

Synthesis and characteristics of molybdenum sesquisulfide Mo_2S_3. A. V. Gorokh, L. N. Rusakov, A. A. Savinskaia. Dokl. AN SSSR 156 no. 3:541-542 '64.

MOLYBDENUM-TITANIUM ALLOYS see **Titanium-molybdenum alloys**

MOMENT SPACES

Chebyshev approximations and the problem of moments. V. D. Koroviachenko. Ukr. mat. zhur. 16 no. 1:103-110 '64.

MOMENTS OF INERTIA

Simplified method of determining the reduced moment of inertia of machines and tractor-driven machinery. N. E. Avdeev. Mekh. i elek. sots. sel'khoz. 22 no. 1:30-31 '64.

Two devices for determining moments and radii of inertia of bodies and plane figures relative to parallel axes. N. I. Gorbatov. Nauch. zap. Od. politekh. inst. 40:11-16 '62.

MONASTYRSHCHENKA (VORONEZH PROVINCE)—SWORDS

Sword from the village of Monastyrshchenka, Voronezh Province. A.S.Demidova. Sov.arkheol. 8 no.2:202-203 '64.

MONAZITE

Role of halogens in the formation and subsequent change of monazite of pneumatolytic-hydrothermal genesis. E.IA.Mavrlenko, E.I.Goncharova. Dokl.AN SSSR 155 no.2:349-352 Mr '64.

MONCHEGORSK (MURMANSK PROVINCE)—ROCKS, IGNEOUS

Elastic wave velocities in ultrabasic rocks of the Monchegorsk pluton under high all-round pressure. G.D. Afanas'ev and others. Dokl.AN SSSR 155 no.5:1058-1061 Ap '64.

MONCHEGORSK REGION (MURMANSK PROVINCE)—MINERALS

Nickel telluride, a new mineral. O.E.IUshko-Zakharova. Dokl.AN SSSR 154 no.3:613-614 Ja '64.

MONEY

Fundamental work on the theory of money in Russia. P.Kryven'. Ekon.Rad.Ukr. no.2:116-117 Mr-Ap '64.

Laws governing the circulation of money and their significance for a socialist economy. Z.Atlas. Vop.ekon. no.4:46-58 Ap '64.

Methods for determining the amount of money necessary for the circulation. G.Kaganov. Den.i kred. 22 no.3:11-19 Mr '64.

The monetary reform carried out by the government of Elena Glinskaia. A.A.Zimin. Num.i epig. 4:245-250 '63.

New publication of the works of a prominent Soviet economist. F.Bystrov. Mir.ekon.i mezhdunar.otn. no.4:154-157 '64.

MONGOLIA—COMMERCE—RUSSIA

From the history of Russian-Mongolian economic relations in the 17th century. Sh.B.Chimit-Dorzhiev. Ist.SSSR 8 no.2:151-156 Mr-Ap '64.

MONGOLIA—GEOLOGY

A new landmark in the geological study of Mongolia. P.S.Matrosov, V.M.Sinitsyn. Izv.AN SSSR.Ser.geol. 29 no.1:110-111 Ja '64.

MONGOLIA—LANDFORMS

Landforms of Mongolia; using the example of the Kentei Mountain region and the East Mongolian elevated plain. Sh.TSegmid. Izv.AN SSSR.Ser.geog. no.2:102-106 Mr-Ap '64.

MONGOLIA—MYCOSIS

Epilin in the treatment of fungus diseases in the Mongolian People's Republic. Ch.Dolgor, S.Lkhundev. Vest. derm.i ven. 37 no.4:72 Ap '63.

MONILIASIS

Candidiasis of the lungs. A.N.Serzhanina. Zdrav.Bel. 9 no.6:45-47 Je '63.

MONOCOTYLEDONS

Origin of monocotyledons as illustrated by the example of Helobiae. L.V.Kudriashov. Bot.zhur. 49 no.4:473-485 Ap '64.

MONOMYCIN

Concentration and duration of the presence of monomycin in the fluids and tissues of lambs. G.A.Shakarian, M.A.Oganesian, Z.M.Akopian. Izv.AN Arm.SSR, Biol.nauki 17 no.3:73-82 Mr '64.

Monomycin treatment of bacillary dysentery in children [with summary in English]. I.A.Vereshchagin, N.A. Pustovalova, L.K.Poliakova. Vop.okh.mat.i det. 7 no.6:10-13 Je '62.

Therapeutic effectiveness of monomycin in calf and lamb diseases. A.B.Boiakhchian, B.A.Akunts, M.S.Arevshatian. Veterinariia 40 no.10:47 O '63.

MONOPOLIES see subdivision under Europe, Western

MONOSACCHARIDES

Determination of monosaccharides in bacterial cells by the paper chromatography method. V.D.Egorova. Lab.delo 9 no.4:42-44 Ap '63.

MONTMORILLONITE

Effect of the pH of a medium on the interaction of an artificial soil aggregation agent with montmorillonite clay. E.A.Aripov, M.A.Sarukhanov, K.S.Akhmedov. Uzb.khim.zhur. 8 no.2:62-65 '64.

MOON

History of the lunar atmosphere and possibility of the presence of ice and organic compounds on the moon [with summary in English]. V.S.Safronov, E.L.Ruskol. Vop.kosm. 9:203-214 '63.

MOON—OBSERVATIONS

Brief news. Astron.tsir. no.264:8 O '63.

MOON—SURFACE

Light reflexion by lunar surface. L.A.Akimov. TSir. Astron.obser.Khar.un. no.26:43-46 '63.

Structure of the moon's surface. N.P.Barabashov, L.A.Akimov. TSir.Astron.obser.Khar.un. no.26: 14-19 '63.

MOON—TEMPERATURE AND RADIATION

Radio emission and the nature of lunar matter. V.S. Troitskii. Vest.AN SSSR 34 no.2:33-38 F '64.

MORAINES see subdivision under Anabar Bay

MORAL EDUCATION

Inculcating moral convictions. R.Kh.Shakurov. Rad. shk. 42 no.2:23-30 F '64.

Two books of the publishing house "Knowledge." K.Panich. Nar.obr. no.4:121 Ap '64.

MORAL EDUCATION—CONGRESSES

Information. Nach.shkola 32 no.1:70 Ja '64.

MORAYS

Keep away from morays. K.V.Massaev. Priroda 53 no.5:120-122 '64.

MORIN

Determination of beryllium with morin in ores. D.P. Shcherbov, R.N.Plotnikova. Metod.anal.khim.reak.i prepar. no.4:62-65 '62.

MOROCCO—LABOR AND LABORING CLASSES

The working class is embarked on a decisive action. Jaime Pinto. Vsem.prof.dvizh. no.11:22-25 N '63.

MOROCCO—POLITICS AND GOVERNMENT

The working class is embarked on a decisive action. Jaime Pinto. Vsem.prof.dvizh. no.11:22-25 N '63.

MORPHINE

Experimental intramuscular morphine-hexenal anesthesia. S.A.Gasparian, R.A.Toshchakov. Eksper.khir.i anest. 8 no.4:83-86 Jl-Ag '63.

Interactions of some alkaloids of the morphine series with iodine chloride. M.A.Khaimova, R.Bognar. Dokl.AN SSSR 155 no.5:1148-1151 Ap '64.

MORPHINE—SPECTRA

Quantitative determination of a morphine base by titration on the background of its luminescence in an acid medium. N.V.Egorov, S.A.Elgazin, F.M.Shemiakin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:66-69 '64.

MORPHOGENESIS

Critical periods in the development of morphogenesis and their biological foundations. A.N.Trifonova. Usp. sovr.biol. 56 no.3:381-402 '63.

MORPHOLINE

Esters of phosphoric and phosphorothioic acids containing heterocyclic radicals. Report No.6: Interaction of phosphoryl and thiophosphoryl chlorides with benzimidazole and morpholine. B.A.Arbuzov, V.M.Zoroastrova, R.Kh.Sagitova. Izv.AN SSSR.Ser.khim. no.4:661-669 Ap '64.

MORPHOLOGY (ANIMALS)

Primary immunological reactivity and its morphogenetic role. O.E.Viazov. Usp.sovr.biol. 56 no.2:240-264 S-O '63.

MORTAR

Bonding between gazha-portland cement mortar with brick and concrete. M.A.Momtselidze. Trudy GPI [Gruz.] no.4:111-121 '63.

Efficient means of the overall utilization of ash from electric power plants. N.A.Popov, I.A.Ivanov. Strol. mat. 9 no.8:5-8 Ag '63.

MOSAICS see subdivision under Polotsk

MOSCOW—ACTING—STUDY AND TEACHING

The Armenian drama studio in Moscow, 1918-1925. Babken Arutiunian. Izv.AN Arm.SSR.Obshchestv. nauki no.1:65-74 Ja '64.

MOSCOW—ADENOVIRUS INFECTIONS

Diseases caused by adenoviruses in Moscow. E.A.Paktoris and others. Vop.med.virus. no.5 pt.2:163-168 '58.

MOSCOW—AGRICULTURAL EXHIBITIONS

British farm display. V.Krasnopol'skii. Nov.vrem. 21 no.20:11 My '64.

MOSCOW—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Sixteen-story buildings on Shcherbakov Street. B.Iofan, M.Reitman. Stroi.i arkhit.Mosk. 12 no.12:14-15 D '63.

MOSCOW—ARCHIVES

A letter to the editor of the periodical "Istoriia SSSR." Ist.SSSR 8 no.2:242-243 Mr-Ap '64.

MOSCOW—AUTOMOBILE INDUSTRY

Mechanized data processing in the press shop of the Moscow Automobile Plant. S.IA.IAkubson. Mekh.i avtom.proizv. 18 no.5:48-50 My '64.

MOSCOW—BELLS

Patriarch Nikon's bell. IU.M.Zolotov. Sov.ar
8 no.2:232-243 '64.

MOSCOW—CITY PLANNING

Comprehensive construction of residential are
N.Selivanov. Stroi.i arkhit.Mosk. 12 no.12
'63.

MOSCOW—CLOCKS AND WATCHES

Watches made in Moscow. B.Rodchenko. Sov.t
no.3:50-51 Mr '64.

MOSCOW—CONSERVATORIES OF MUSIC

Komsomols of the 20's. M.Bruk. Sov.muz. 2
8-14 N '63.

MOSCOW—CONSTRUCTION INDUSTRY

In the Executive Committee of the Moscow City S
of Workers' Deputies. Stroi.i arkhit.Mosk. 1
32 D '63.

Leaders of Moscow construction projects. K.Vi
M.Rozov. Stroi.i arkhit.Mosk. 12 no.12:11-13
'63.

On the threshold of 1964. Stroi.i arkhit.Mosk. 1
no.12:1 D '63.

Selivanov, T.A. [Two-year plan for the construct
apartment houses and buildings serving cultural
public needs in Moscow] Dvukhletnii plan zhilishc
i kul'turno-bytovogo stroitel'stva v Moskve. [Mo
Mosk. rabochii, 1964. 46 p. (V pomoshch' agita
propagandistu)

MOSCOW—DECEMBRISTS

"Decembrists in Moscow"; a collection of studies.
viewed by M.IA.Popov. Vop.ist. 39 no.5:129-1
My '64.

MOSCOW—DEPARTMENT STORES

If you love your occupation. E.Fisher. Sov.torg.
no.3:23-25 Mr '64.

MOSCOW—DEPARTMENT STORES—DESIGN AND CO STRUCTION

A 200 meter span; construction of a commercial are
on a new main thoroughfare. I.Gunst. Stroi.i ark
Mosk. 12 no.12:20-21 D '63.

MOSCOW—DISABILITY EVALUATION

Back of the formal prosperity. A.Sivakov. Sots.ob
25 no.4:28-29 Ap '64.

Experts at a chemical plant. A.Trofimov. Sots.ob
25 no.4:25-26 Ap '64.

MOSCOW—EMPLOYEES' MAGAZINES, HANDBOOKS, ETC.

The prose of our plant. A.Novichkov, N.Tsikalkov.
Sov.profsoiuzy 20 no.8:14-16 Ap '64.

MOSCOW—ENGINEERING GEOLOGY

Changes in the physicomechanical properties of the
ground resulting from the excavation of the Moscow
subway. G.N.Sazonov. Trudy VSEGINGEO no.1:5
62 '63.

MOSCOW—EXHIBITIONS

At the stands of the pavilion "Building materials and
structural elements." Stroi.mat. 10 no.1:39-40 Ja
'64.

Exhibition of Bulgarian electric equipment held in
Moscow. I.M.Sanovich, L.F.Tafipol'skii. Elektrotekhnika 35 no.3:61-62 Mr '64.

Exhibition of Means for the Automation of Operations at
Grain Receiving and Grain Processing Enterprises.
A.Blidman. Muk.-elev.prom. 29 no.10:11-13 O
'63.

International exhibition of construction and road equipm
in Moscow. Mekh.stroi. 21 no.4:31 Ap '64.

On the stands of the "Building Materials" pavilion. Str
mat. 9 no.8:35-36 Ag '63.

Topical exhibit at the Exhibition of the Achievements of
the National Economy of the U.S.S.R. Prom.energ.
19 no.4:52 Ap '64.

MOSCOW—FISH, SMOKED

Mechanization of moving cages in smokehouses. G.F.
Akhalkov, E.A.Shmul'ian. Ryb.khoz. 40 no.3:61-62
'64.

MOSCOW—HISTORICAL LIBRARIES

An anniversary of the State Public Historical Library.
R.M.Inglezi. Vop.ist. 39 no.5:154-155 My '64.

MOSCOW—HOSPITALS

The 75th anniversary of the A.A.Ostroumov hospital.
P.V.Abashkina. Sov.zdrav. 22 no.8:61-64 '63.

MOSCOW—INDUSTRIAL MANAGEMENT

Inspection results of the economic work of enterprises.
G.Sotnikov. Plan.khoz. 41 no.5:59-62 My '64.

MOSCOW—INFLUENZA

Characteristics of the epidemiology of influenza in Moscow in 1957. S.A.Samvelova, G.IA.Kuz'minskaia. Vop.med.virus. no.5 pt.2:8-14 '58.

Influenza A_2 in a children's nursery. V.V.Ritova, E.IA. Shilko, N.S.Rutkovskaia. Vop.med.virus. no.5 pt.2:25-28 '58.

MOSCOW—LABOR AND LABORING CLASSES

Hired workers in the Moscow manufactures from the forties to the sixties of the 18th century. M.N. Artemenkov. Ist.SSSR 8 no.2:133-144 Mr-Ap '64.

MOSCOW—LABOR AND LABORING CLASSES—EDUCATION

Gandel'man, V.A., and I.L. Pecheniuk. [Our workers faculty] Nash rabfak. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no.8)

MOSCOW—LABORATORIES

Report of the Moscow Scientific Society of Physicians and Laboratorians. T.V.Khitrovo-Goreva. Lab.delo no.5:316-318 '64.

MOSCOW—LANDSCAPE ARCHITECTURE

New solutions and new projects. B.Belozerskii, A.Savin. Stroi.i arkhit.Mosk. 12 no.12:2-6 D '63.

MOSCOW—MEDICINE

Activity of the Moscow Scientific Society of Physicians-Laboratorians in 1962. T.V.Khitrovo-Goreva. Lab. delo 9 no.4:60 Ap '63.

MOSCOW—MILK—COMPOSITION

Amino acid composition of milk received at the Moscow Dairy Combine. P.V.Kugenev, M.N.Medvedeva. Vop.pit. 21 no.5:66-71 S-O '62.

MOSCOW—MINERAL WOOL

Automated continuous line for the manufacture of mineral wool products. S.M.Batshev, M.G.Cherniakov. Stroi. mat. 10 no.1:23-25 Ja '64.

MOSCOW—MOTION-PICTURE FESTIVALS

The screen and reality (conclusion). I.Kornilenko. Mystetstvo 10 no.6:17-20 N-D '63.

The screen and reality (to be continued). I.Kornilenko. Mystetstvo 10 no.5:17-21 S-O '63.

MOSCOW—PETROLEUM REFINERIES

The second birth. V.Kurbskii. NTO 6 no.4:47-49 Ap '64.

MOSCOW—PHYSICIANS

Report of the Moscow Scientific Society of Physicians and Laboratorians. T.V.Khitrovo-Goreva. Lab.delo no.5:316-318 '64.

MOSCOW—PIONEERS (COMMUNIST YOUTH)

Galinnikov, M.M. [The First Pioneer detachment] Pervyi pionerskii. [Moskva] Molodaia gvardiia, 1963. 111 p. (Dlia tekh, kto rabotaet s pionerami)

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. Ispol.kom.Mosk.gor.sov. nos.6,8-9 Ap-My '64.

MOSCOW—PRECAST CONCRETE CONSTRUCTION

Sixteen-story buildings on Shcherbakov Street. B.Iofan, M.Reitman. Stroi.i arkhit.Mosk. 12 no.12:14-15 D '63.

MOSCOW—PUBLIC PROSECUTORS

How public prosecutors supervise the observance of Soviet laws by administrative committees. E.Naer. Sots.zakon. 40 no.12:46-48 D '63.

MOSCOW—RECREATION AREAS

New solutions and new projects. B.Belozerskii, A.Savin. Stroi.i arkhit.Mosk. 12 no.12:2-6 D '63.

MOSCOW—REINFORCED CONCRETE CONSTRUCTION

Open method of construction used for the Volkovskaya Station. N.F.Karasev. Transp.strol. 13 no.11:21-23 N '63.

MOSCOW—SEWERAGE

Mechanized tunneling in a city underground sewerage system. M.I.Gerchikova. Trudy TSNIIPodzemshakhtstroia no.2:173-186 '63.

MOSCOW—SHOE INDUSTRY

Work practices of the "Vostok Production Combine in Moscow for the manufacture of standard shoes. I.M. Arkhipkin, V.N.Ginsburg. Kozh.obuv.prom. 5 no.12:13-15 D '63.

MOSCOW—SMOKEHOUSES

Mechanization of moving cages in smokehouses. G.E. Akhalkov, E.A.Shmul'ian. Ryb.khoz. 40 no.3:61-62 '64.

MOSCOW—SUBWAYS

Changes in the physicomechanical properties of the ground resulting from the excavation of the Moscow subway. G.N.Sazonov. Trudy VSEGINGEO no.1:51-62 '63.

MOSCOW—SUBWAYS—STATIONS

Open method of construction used for the Volkovskaya Station. N.F.Karasev. Transp.strol. 13 no.11:21-23 N '63.

MOSCOW—SURGICAL SOCIETIES

Minutes of meeting No. 1755 of October 12, 1962 of the Surgical Society of Moscow and Moscow Province. Khirurgiia 39 no.6:153-157 Je '63.

MOSCOW—THEATER

Mieke, Elza. ["Skatuve" Latvian State Theater] Valsts Latviesu teatris "Skatuve" 1919-1938 gada Maskava; atminas. Riga, Latvijas Valsts Izd-ba, 1963. 313 p. [In Latvian]

MOSCOW—TUNNELS

Reconstruction of Arbat Square. IU.Molchanov, V.Zelenevskii. Stroi.i arkhit.Mosk. 12 no.12:7-9 D '63.

MOSCOW—UROLOGICAL SOCIETIES

Gol'din, G.I. [A contribution to the history of Russian urology] K istorii otechestvennoi urologii. Moskva, Meditsina, 1964. 230 p.

MOSCOW—WATER, UNDERGROUND

Gavriukhina, A.A. [Formation of underground waters under the effect of artificial discharge as revealed by a study made in Moscow] Formirovanie podzemnykh vod pod vliianiem iskusstvennoi razgruzki (na primere Moskvy). Moskva, Izd-vo "Nauka," 1964. 130 p.

MOSCOW BASIN—COAL GASIFICATION, UNDERGROUND

Characteristics of rock fracturing in the region of the Shatskaia "Podzemgaz" gas producer plant. B.G. Vinogradov. Nauch.trudy VNIIPodzemgaza no.10:82-85 '63.

Role of Upinskii level underground waters in the flooding of a gas generator. N.V.Efremochkin. Nauch.trudy VNIIPodzemgaza no.10:91-99 '63.

MOSCOW BASIN—COAL MINES AND MINING

Complex recovery of minerals in the Moscow coal basin. V.V.Perkov, A.M.Gusenkov. Ugol' 39 no.3:57-59 '64.

Efficient systems of open-cut working of Moscow Basin coal seams. A.S.Krasnikov, I.L.Mordukhovich. Ugol' 39 no.3:16-19 Mr '64.

MOSCOW ECONOMIC REGION—PEAT INDUSTRY

Application of the integrated brigade system in the organization of the work in the peat enterprises of the Moscow Region. G.I.Zagrebaev. Torf.prom. 41 no.3:21-24 '64.

MOSCOW ECONOMIC REGION—PEAT MACHINERY—PNEUMATIC DRIVING

Performance of the pneumatic peat milling machinery in the enterprises under the Moscow Economic Council. V.P.Rogov, M.P.Kuliako. Torf.prom. 41 no.3:12-16 '64.

MOSCOW PROVINCE—ART

Antonova, L.V. [Persons of talent in serfdom on the estate of the Sheremetevs] Krepostnye talanty v usad'be Sheremetevykh. Leningrad, Izd-vo Gos. Ermitazha, 1964. 40 p.

MOSCOW PROVINCE—BANKS AND BANKING

Several problems of improving the bank's work. I.Chernov. Den.i kred. 22 no.4:43-46 Ap '64.

MOSCOW PROVINCE—ELECTRIC POWER DISTRIBUTION

Regulation of the electric power load graph over a twenty-four hour period. P.I.Golovkin. Prom.energ. 19 no.2:5-6 F '64.

MOSCOW PROVINCE—FEEDS

Use feeds efficiently. A.Tiutiunnikov. Ekon.sel'khoz. 35 no.3:36-39 Mr '64.

MOSCOW PROVINCE—FINANCE—CONGRESSES

Meeting of the activist group of financial workers. Fin. SSSR 38 no.4:94-95 Ap '64.

MOSCOW PROVINCE—FIREMEN—EDUCATION AND TRAINING

The unit will be an excellent one. M.Gusev. Pozh.delo no.3:15-16 Mr '64.

MOSCOW PROVINCE—FRUIT—DISEASES AND PESTS

Scale insects (Homoptera, Coccoidea) on fruit and berry crops in Moscow Province [with summary in English]. E.M.Drozdovskii. Izv.TSKHA no.1:193-208 '60.

MOSCOW PROVINCE—INSULATING MATERIALS

"Elektrosliudinit," a factory of insulating micalike paper. V.A.Moskovkin. Bum.prom. no.4:10 Ap '64.

MOSCOW PROVINCE—PODZOL

Development and absorption capacity of the root system of herbaceous plants as related to the tillage methods of Podzolic soils. N.A.Vedeneeva. Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz. no.5:257-273 '63.

MOSCOW PROVINCE—POPPY

Biology of the flowering of the oil-bearing poppy in Moscow Province. V.L.Tuzhikov. Biul.Glav.bot.sada no.48:100-105 '63.

MOSCOW PROVINCE—POTATO WART

Practices in controlling potato wart. I.A.Kitnev. Zashch.rast.ot vred.i bol. 9 no.4:46 '64.

MOSCOW PROVINCE—SCALE INSECTS—EXTERMI
TION

Scale insects (Homoptera, Coccoidea) on fruit and b
crops in Moscow Province [with summary in Engl
E.M.Drozdovskii. Izv.TSKHA no.1:193-208 '6

MOSCOW PROVINCE—SCOTCH PINE

Development of buds of the Scotch pine in Moscow
ince. O.B.Mikhalevskaia. Biul.Glav.bot.sada
61-68 '63.

MOSCOW PROVINCE—STATISTICS

Moscow (Province) Statisticheskoe upravlenie. [Th
economy of Moscow Province; statistical abstract
Narodnoe khoziaistvo Moskovskoi oblasti; statisti
skii sbornik. Moskva, Izd-vo "Statistika," 1964.
151 p.

MOSCOW PROVINCE—THEATER

Antonova, L.V. [Persons of talent in serfdom on th
estate of the Sheremetevs] Krepostnye talanty v us
Sheremetevykh. Leningrad, Izd-vo Gos. Ermitazh
1964. 40 p.

MOSCOW REGION—GEOLOGY, STRATIGRAPHIC

Phytoplankton of ancient sediments in the northwest
Moscow region and its significance for stratigraph
N.A.Volkova. Izv.AN SSSR.Ser.geol. 29 no.4:7
Ap '64.

MOSCOW REGION—GRAIN

Increase the yield of grain crops in the Moscow regi
E.N.Bleskin. Zemledelie 26 no.4:61-63 Ap '64.

MOSCOW REGION—GROCERY TRADE

Initiative and conscientiousness. L.Ermilina. Sov.
torg. 37 no.4:27-31 Ap '64.

MOSCOW REGION—OWLS—FOOD

Ecology of food storage by the sparrow owl. I.A.Sh
IU.M.Smirin. Nauch.dokl.vys.shkoly; biol.nauki
no.2:43-46 '64.

MOSCOW REGION—PLANKTON

Phytoplankton of ancient sediments in the northwest
Moscow region and its significance for stratigraph
N.A.Volkova. Izv.AN SSSR.Ser.geol. 29 no.4:7
Ap '64.

MOSCOW REGION—RESTAURANTS, LUNCHROOMS,

Concern about domestic services to farmers. N.Za
lov. Sov.profsoiuzy 20 no.8:18-19 Ap '64.

MOSCOW REGION—VEGETABLE GARDENING

Concern about domestic services to farmers. N.Za
lov. Sov.profsoiuzy 20 no.8:18-19 Ap '64.

MOSCOW RIVER see Moskva River

MOSKVA RIVER—PLANKTON

Chlorophyll content of the plankton of the Moskva Riv
N.A.Levshina. Nauch.dokl.vys.shkoly; biol.nauki
no.2:133-136 '64.

MOSQUITOES see subdivision under Ob' Valley

MOSQUITOES—EXTERMINATION

Role of the larvae of Chaoborinae (Diptera, Culicida
in the extermination of bloodsucking mosquitoes [wi
summary in English]. A.S.Monchadskii. Zool.zhu
43 no.3:455-466 '64.

MOSSES see subdivision under Azerbaijan; Cherno Mountains; Ukraine

MOTHERS—MORTALITY

Stillbirth and maternal mortality in placental present
tion. A.M.Fol, M.I.Anisimova. Vop.okh.mat.i d
7 no.6:55-61 Je '62.

MOTHS—BIOLOGICAL CONTROL see subdivision under Nakhichevan A.S.S.R.

MOTHS—PARASITES see Parasites—Moths

MOTION

General equations of inertial navigation. V.D.Andre
Prikl.mat.i mekh. 28 no.2:242-257 Mr-Ap '64.

Geometrical interpretation of the motion of a mechanic
system of variable mass. A.V.Gokhman. Izv.vys.
ucheb.zav.; mat. no.1:29-39 '64.

Stability in the large of stochastic systems. I.IA.Ka
Prikl.mat.i mekh. 28 no.2:366-372 Mr-Ap '64.

Steady-state resonance modes of certain rotary motio
B.I.Morgunov. Dokl.AN SSSR 155 no.2:277-280
'64.

Theorem of additional acceleration. I.E.Livshits. S
nauch.trud.LISI no.22:71-81 '65.

MOTION-PICTURE CAMERAS

Partial improvement of the 16-SP camera design. E.
Zilnis, I.I.Zabulionis, V.S.Dubauskas. Tekh.kino
telev. 7 no.12:61 D '63.

Recording camera "RFK-1M" with a pulse flashlight
system. E.A.Zel'din. Tekh.kino i telev. 7 no.1
58-60 D '63.

MOTION-PICTURE FESTIVALS see subdivision under Moscow

MOTION-PICTURE INDUSTRY—EQUIPMENT AND SUPPLIES

Conveyor for motion picture distribution points. Tekh. kino i telev. 7 no.12:89 D '63.

MOTION-PICTURE PHOTOGRAPHY—ABSTRACTS

Abstracts section. Tekh. kino i telev. 7 no.12:72-86 D '63.

MOTION-PICTURE PHOTOGRAPHY—ELECTRIC EQUIPMENT

New electric driving systems for use in motion-picture photography [with summary in English on p. 95]. E.I. Usyalkin, L.I.Sachin. Tekh. kino i telev. 8 no.5:1-11 My '64.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Accelerated method for drying processed films. F.A. Rozental', N.A.Vinogradova, IU.A.Boltunov. Tekh. kino i telev. 7 no.12:5-12 D '63.

Film cleaning equipment. I.M.Fridman, G.P.Kudriashov. Tekh. kino i telev. 7 no.12:66-71 D '63.

Optical printer 23LTO-1 for making wide-screen copies from 70 mm originals. N.I.Voronov and others. Tekh. kino i telev. 7 no.12:1-5 D '63.

[Photographic and motion-picture equipment] Ref.zhur.: Fotokinotekh. no.5 My '64.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Spectral sensitivity of black-and-white negative films [with summary in English on p. 95]. M.K.Grechko and others. Tekh. kino i telev. 8 no.5:27-30 My '64.

MOTION-PICTURE PHOTOGRAPHY—INDUSTRIAL APPLICATIONS

Motion-picture photography of the motion of bulk grain entering a threshing machine [with summaries in English, German, and French]. V.A.Sakun. Vest.sel'khoz. nauki 8 no.12:129-130 D '63.

MOTION-PICTURE PLAYS
(see also subdivision under Czechoslovakia; Europe, Western; France; Great Britain; Italy; Poland)

The Antarctic answers; "Vostok" on the air. Isk.kino 34 no.1:7 '64.

The audience shall have the first word. Isk.kino 34 no.1:1-2 '64.

Commentarial tale. F.Svetov. Isk.kino 34 no.2:43-45 '64.

A family giving off shoots. An.Surenov. Isk.kino 34 no.2:37-39 '64.

Genuine. N.Ignat'eva. Isk.kino 34 no.1:81-86 '64.

A man with a big plan. Ruben Simonov. Isk.kino 34 no.1:8-9 '64.

Minus plus minus. Z.Papernyi. Isk.kino 34 no.1:8 '64.

Moscow. Vsesoiuznyi gosudarstvennyi institut kinematografii. Kafedra kinodramaturgii. [From plot to motion picture] Ot zamysla k fil'mu. Moskva, Biuro propagandy sovetskogo iskusstva, 1963. 373 p.

Motion-picture schedule. Isk.kino 34 no.1:145-148 '64.

And only that! V.Maksimova. Isk.kino 34 no.1:89-91 '64.

The poetry of good. A.Turkov. Isk.kino 34 no.2:39-41 '64.

Seriousness. V.Demin. Isk.kino 34 no.1:87-89 '64.

Trace in the soul. Zakhar Sorokin. Isk.kino 34 no.1:2-5 '64.

What Helvetius advised. B.E.Paton. Isk.kino 34 no.1:7 '64.

Without reflection. IU.Smelkov. Isk.kino 34 no.1:91-92 '64.

MOTION-PICTURE PROJECTION see subdivision under Kazakhstan

MOTION-PICTURE PROJECTORS

Combined speed stabilizer for universal motion-picture projectors [with summary in English on p. 95]. A.V. Solomonik. Tekh. kino i telev. 8 no.5:19-26 My '64.

MOTION-PICTURE STUDIOS

From the editor's mail. Tekh. kino i telev. 8 no.5:64-65 My '64.

MOTION PICTURES
(see also subdivision under Italy; Ukraine; United States)

About the letter, the profession and other things. An. Vartanov. Isk.kino 34 no.2:93-95 '64.

Artistic direction of Soviet motion pictures; a discussion on A.V.Macheret's book. Isk.kino 34 no.2:86-92 '64.

Create rather than relate. Genrich Neigauz. Isk.kino 34 no.1:14-15 '64.

The differences between motion pictures and the theater. V.Egorov. Isk.kino 34 no.2:73-75 '64.

From everywhere. Isk.kino 34 no.1:136-144 '64.

From everywhere. Isk.kino 34 no.2:150-158 '64.

In the Technical Council of the State Committee of Cinematography. Tekh. kino i telev. 8 no.5:94 My '64.

Internationalism is not without nationality. Boris Buriak. Isk.kino 34 no.2:26-36 '64.

Mirror of the time. Andrei Starostin. Isk.kino 34 no.1:15-16 '64.

Misfortune of wealth. Nikolai Kuz'min. Isk.kino 34 no.1:10-11 '64.

Motion pictures as a form of trial evidence. I.Naidis, S.Vladimirov. Sots.zakon. 40 no.12:42-43 D '63.

Preparedness for battle. Evgenii Ogurenkov. Isk.kino 34 no.1:11-12 '64.

Profound comprehension of life. Vladimir Skuibin. Isk.kino 34 no.2:54-58 '64.

Serve the people. Isk.kino 34 no.2:5-12 '64.

Talented means interesting. N.Akimov. Isk.kino 34 no.1:12-13 '64.

Technology of the production of animated films. Tekh. kino i telev. 7 no.12:89 D '63.

Theoretical notes. E.Dobin. Isk.kino 34 no.2:13-25 '64.

What do I look for in motion pictures. O.K.Antonov. Isk.kino 34 no.1:5-7 '64.

MOTION PICTURES—ABSTRACTS

Abstracts' section. Tekh. kino i telev. 8 no.5:74-88 My '64.

MOTION PICTURES—AWARDS

Prizes awarded by the Exhibition of Achievements of the National Economy. Tekh. kino i telev. 8 no.5:91-92 My '64.

MOTION PICTURES—PRODUCTION AND DIRECTION

Drobashenko, S.V. [Motion picture director Joris Ivens] Kinorezhisser Ioris Ivens. Moskva, Iskusstvo, 1964. 192 p. (Mastera zarubezhnogo kinoiskusstva)

MOTION PICTURES—STAGE SETTING AND SCENERY
(see also subdivision under Ukraine)

Improving the technology of construction for motion-picture stage settings. IU.V.Shakhparonov. Tekh. kino i telev. 8 no.5:56-58 My '64.

MOTION PICTURES, DOCUMENTARY
(see also subdivision under Germany, East; Italy)

A document becomes alive. Konst.Slavin. Isk.kino 34 no.2:50-52 '64.

The path of pictorial journalism. K.Slavin. Isk.kino 34 no.1:112-114 '64.

Plus large-scale chemistry. S.I.Vol'fkovich. Isk.kino 34 no.2:1 '64.

Put chemistry on the big screen. N.N.Semenov. Isk. kino 34 no.2:2-4 '64.

Reflections on motion-picture truth and falsehood. Sergei IUtkevich. Isk.kino 34 no.1:68-80 '64.

Reflections on peace. Tat'iana Tess. Isk.kino 34 no.2:46-49 '64.

Report on motion-picture reportage. Evgenii Vorob'ev. Isk.kino 34 no.2:95-96 '64.

MOTION PICTURES, MUSICAL

The riddle of song. V.Sukharevich. Isk.kino 34 no.2:41-43 '64.

MOTION PICTURES, TALKING

Without due conscientiousness and knowledge of the matter. V.S.Ostrovskii; book review. Tekh. kino i telev. 8 no.5:89-90 My '64.

MOTION PICTURES IN ADVERTISING see subdivision under Ukraine

MOTION PICTURES IN AGRICULTURE

Motion pictures tell how to apply chemistry to agriculture. Khim. v sel'. khoz. 2 no.3:57-58 Mr '64.

MOTION PICTURES IN EDUCATION

Books on educational motion pictures. IU.Znamenskii. Shkola i proizv. 8 no.3:87-88 Mr '64.

Let's make a more efficient use of motion pictures. V.Rzhekhak. Vest.vys.shkoly 22 no.4:60-61 Ap '64.

MOTION PICTURES IN INDUSTRY
(see also subdivision under Armenia)

Motion pictures in the service of industrial safety and hygiene. F.Fachner. Vsem.prof.dvizh. no.11:49-50 N '63.

MOTION PICTURES IN THE SOCIAL SCIENCES

Objectivity! V.Basin. Isk.kino 34 no.2:97-98 '64.

MOTOR FUELS see subdivision under Novogroznyy (Chechen-Ingush A.S.S.R.)

MOTOR FUELS—TESTING

Determining the coefficient of compressibility of motor fuels. A.S.Lyshevskii. Izv.vys.ucheb.zav.; mashinostr. no.2:76-81 '64.

MOTOR GRADERS see Graders (Earthmoving machinery)

MOTOR PSYCHOLOGY see Movement, Psychology of

MOTOR VEHICLES

Abroad. Avt.transp. 42 no.4:59-62 Ap '64.

Abroad. Avt.transp. 42 no.5:50-61 My '64.

Exchange of experience. Avt.transp. 42 no.4:[illegible] Ap '64.

Gurovich, A.M., and E.M.Sorokin. [Tractors and motor vehicles] Traktory i avtomobili. Izd.3., [illegible] i dop. Moskva, Izd-vo "Kolos," 1964. 543 p. illus. (Insert)

MOTOR VEHICLES—AXLES

Esenovskii-Lashkov, IU.K., and V.L.Mark[illegible] [Structures of rear axles of motorbuses, trolleybuses, and motortrucks; survey of foreign engineering] Konstruktsii zadnikh mostov avtobusov, trolleibusov i gruzovykh avtomobilei; obzor zarubezhnoi tekhniki. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroeniia, 1962. 65 p. (Seriia XII: Avtomobilestroenie) [MICROFILM]

MOTOR VEHICLES—BRAKES

Mechanical brake and slow-down device for motor vehicles with four-cycle diesel engines. A.R.[illegible], V.N.Shaliagin, O.K.Shakhbazov. Mashinostroenie no.2:95-96 Mr-Ap '64.

Rozanov, V.G. [Braking of a motor vehicle and an automobile train; elements of the theory of braking, methods for the evaluation of braking characteristics, ways for improving braking systems] Tormozhenie avtomobilia i avtopoezda; elementy teorii tormozheniia, metody otsenki tormoznykh svoistv, puti sovershenstvovaniia tormoznykh sistem. Moskva, Izd-vo "Mashinostroenie," 1964. 242 p.

MOTOR VEHICLES—COLD WEATHER OPERATION

Requirements for the design of motor vehicles for the northern area of the U.S.S.R. D.Vel[illegible], R.Lakhno, V.Bernatskii. Avt.transp. 42 no.5:[illegible] My '64.

MOTOR VEHICLES—DYNAMICS

Effect of road roughness on road resistance. V.T. Torchinskii. Sbor.nauch.trud.Dnepr.inzh.-stroit. inst. no.21:57-68 '62.

MOTOR VEHICLES—ELECTRIC EQUIPMENT—TESTING

Stand for testing electric equipment of motor vehicles. A.Mokin. Avt.transp. 42 no.5:19-20 My '64.

MOTOR VEHICLES—MAINTENANCE AND REPAIR
(see also subdivision under Bobruysk, Mogilev Province; Saratov)

Centralize enterprises repairing motor vehicles. [illegible]perfin. Avt.transp. 42 no.5:25-27 My '64.

Exchange of experience. Avt.transp. 42 no.5:[illegible] My '64.

In calculating the bonus for repair workers [illegible] exactly account for the output of repaired motor vehicles. E.Soshin. Avt.transp. 42 no.5:37 My '64.

Plastics should be used in motor vehicle repair shops. G.Malyshev. Avt.transp. 42 no.4:25-26 Ap '64.

Shestopalov, K.S. [Fitting and assembling work and the maintenance of a motor vehicle] Slesarno-montazhnye raboty i tekhnicheskoe obsluzhivanie avtomobilia. Moskva, DOSAAF, 1964. 207 p.

Surface quality of repaired articles. I.Diomin, M.Podshchekoldin. Avt.transp. 42 no.4:30-32 Ap '64.

Using metal spraying in repairing engines. M.L[illegible]. Avt.transp. 42 no.5:30-31 My '64.

Why is the motor vehicle noisy? I.Molchanov. Izobr.i rats. no.3:24-25 '64.

MOTOR VEHICLES—SPEED

Effect of pavement roughness on the safe driving speed. V.T.Torchinskii. Sbor.nauch.trud.Dnepr.inzh.-stroit. inst. no.21:69-80 '62.

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

Development of a walking motor vehicle. L.Repin. Izobr.i rats. no.3:38-39 '64.

MOTORBUS LINES—STATIONS see subdivision under Orel

MOTORBUSES—MAINTENANCE AND REPAIR

Cart for removing engines from the PAZ-652 motorbuses. E.Novikov. Avt.transp. 42 no.5:22-23 My '64.

MOTORCYCLES

Capron cable shoe of the K-750 motorcycle. IA.I. Chekhovskii. Mashinostroenie no.2:102 Mr-Ap '64.

MOTORIZATION, MILITARY

March and meeting engagement of a motorized rifle battalion. F.Gavrikov, N.Medvedev, V.Levin. Voen. vest. no.3:24-30 Mr '64.

MOTORLESS FLIGHT see Gliding and soaring

MOTORSHIPS

Captain of the "Baltic". Mor.flot 23 no.12:6-7 D '63.

MOTORTRUCKS
(see also subdivision under Minsk)

Effect of the design parameters of couplings on the power interaction of logging motortrucks with trailers. G.P. Mal'tsev. Trudy TSNIIME no.44:42-55 '63.

Effect of the state of the track paving of logging roads on the strain in the couplings of a truck train. G.P.Mal'tsev. Trudy TSNIIME no.44:37-41 '63.

MOTORTRUCKS—BODIES

Universal panel body. Z.Poz. Avt.transp. 42 no.4:45-46 Ap '64.

MOTORTRUCKS—COLD WEATHER OPERATION

Infrared burners in outdoor maintenance of motortrucks. A.Fainberg. Tekh.v sel'khoz. 23 no.12:53-55 D '63.

MOTORTRUCKS—LUBRICATION

Determining the time for changing filtering elements. K.Rybakov, E.Mosikhin. Tekh.v sel'khoz. 23 no.12:50-53 D '63.

MOTORTRUCKS—MAINTENANCE AND REPAIR
(see also subdivision under Ukraine)

Mednikov, I.N. [Adjusting the MAZ-501 logging truck] Regulirovka avtomobilia-lesovoza MAZ-501. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 60 p.

Structural measures for facilitating the maintenance of the ZIL-130 motortruck. G.Festa. Avt.transp. 42 no.5:42-45 My '64.

MOTORTRUCKS—PRODUCTION STANDARDS see subdivision under Ukraine

MOTORTRUCKS—TIRES

Analyzing the radial deformation of type "R" and "RS" truck tires. V.N.Prashchikin. Kauch.i rez. 23 no.3:9-11 Mr '64.

MOUNTAIN ROADS—MAINTENANCE AND REPAIR

Technological and economic efficiency of major repairs on mountain roads. N.I.Kuzovshikov, IU.A.Kremenets. Avt.dor. 27 no.3:19-20 Mr '64.

MOUNTAIN WARFARE

Technical support of the march of a tank battalion. G.Kuznetsov. Voen.vest. no.3:43-44 Mr '64.

MOUNTAINEERING see subdivision under Kodar Range

MOVEMENT (PHYSIOLOGY)

Bernshtein, A.D. [Living motion] Zhivoe dvizhenie. Moskva, Izd-vo "Znanie," 1964. 35 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.7)

MOVEMENT, PSYCHOLOGY OF

Functions of the cerebellum. A.N.Kabanov. Uch.zap. MGPI 169:175-188 '62.

Role of the cerebellum in the establishment of cortical coordination of movements. I.M.Gil'man. Uch.zap. MGPI 169:216-228 '62.

MOVEMENT DISORDERS

Clinical aspects of the hyperkinetic form of present-day epidemic encephalitis. P.M.Al'perovich, V.D.Bilyk, B.I.Rudaia. Zhur.nevr.i psikh. 64 no.3:340-345 '64.

Evaluation of the disorders of rhythmic movements in tumors of the right premotor zone [with summary in English]. E.A.Bunatian, E.G.Sorkina. Vop.néirokhir. 27 no.5:43-48 S-O '63.

MOVING PLATFORMS

Moving sidewalks. IU.M.Galonen. Nov.tekh.zhil.-kom. khoz.:Gor.dor.-most.khoz.i transp. no.2:116-129 '63.

MTSKHETA—ARCHITECTURE—CONSERVATION AND RESTORATION

Dating some repairs to the Mtskheta Dzhvari; end of the 6th and the beginning of the 7th century [in Georgian with summary in Russian]. B.V.Akhvlediani. Trudy GPI [Gruz.] no.4:11-25 '63.

MUCOIDS

Methodology of determining Donaggio-active mucoproteins in the urine. I.V.Neverov. Lab.delo no.3:165-166 '64.

MUCOUS MEMBRANE

Initial networks of lymphatic capillaries of the mucous membrane and of the submucous layer of the stomach in vertebrates [with summary in English]. O.I. Svyrydov. Dop.AN URSR no.2:264-266 '64.

MUGODŽHAR HILLS—KERATOPHYRES

Two different age phenomena of spilite-keratophyre formation in the Mugodzar Hills. T.V.Bilibina, O.K. Ksenofontov. Trudy VSEGEI 98:128-141 '63.

MUGODZHAR HILLS—SPILITES

Two different age phenomena of spilite-keratophyre formation in the Mugodzhar Hills. T.V.Bilibina, O.K. Ksenofontov. Trudy VSEGEI 98:128-141 '63.

MULBERRY—VARIETIES see subdivision under Apsheron Peninsula

MULCHING see subdivision under Georgia

MULLITE

Synthesis and properties of mullite-spinel ceramics. P.P.Budnikov, K.M.Zlochevskaia. Dokl.AN SSSR 156 no.1:158-161 My '64.

MULTIPLE SCLEROSIS

Functional state of the thyroid gland in patients with multiple sclerosis, various demyelinating diseases and thyrotoxicosis. A.L.Vaitnere. Zhur.nevr.i psikh. 64 no.3:365-367 '64.

Interrelation of multiple sclerosis and acute disseminated encephalomyelitis. S.N.Savenko. Zhur.nevr.i psikh. 64 no.3:360-364 '64.

Rheumatic fever and multiple sclerosis. D.T.Kuimov, O.M.Zalesskaia. Zhur.nevr.i psikh. 64 no.3:370-375 '64.

Viral etiology of multiple sclerosis. D.A.Kaplan and others. Zhur.nevr.i psikh. 64 no.3:368-369 '64.

MUNICIPAL SERVICES see subdivision under Khabarovsk

MUNRO, THOMAS, 1897-

Social characteristics of Thomas Munro's aesthetics [with summary in English, p.186]. S.M.Agafonova. Vop.filos. 17 no.12:117-127 '63.

MURAV'EV-APOSTOL, IVAN MATVEEVICH, 1765-1857

Kuz'menko, A.IU. [Ivan Matveevich Murav'ev-Apostol; an outline of his life and work] Ivan Matviiovych Muraviov-Apostol; narys zhyttia i tvorchosti. [Kyiv] Vyd-vo Kyivs'koho univ., 1964. 114 p.

MURDER

Liability for murder for hoodlumish motives. S.Borodin. Sov.iust. 28 no.8:6-8 Ap '64.

MURGAB OASIS—MINERALS IN SOILS

Characteristics of the mineral composition of the silt fractions of takyrs in the Murgab Oasis. S.A.Sanin, A.I.Trubin. Izv.AN Turk.SSR.Ser.biol.nauk no.6:57-63 '63.

MURGAB OASIS—TAKYR

Characteristics of the mineral composition of the silt fractions of takyrs in the Murgab Oasis. S.A.Sanin, A.I.Trubin. Izv.AN Turk.SSR.Ser.biol.nauk no.6:57-63 '63.

MURGAB VALLEY—DESERT FAUNA

Behavior of animals in a flooded desert. O.P.Bogdanov. Priroda 53 no.5:126 '64.

MURGAB VALLEY—PLANT LICE

Root aphids of the lower Murgab Valley. M.F.Lomova. Izv.AN Turk.SSR.Ser.biol.nauk no.6:83-85 '63.

MURGAB VALLEY—ROOTS (BOTANY)—DISEASES AND PESTS

Root aphids of the lower Murgab Valley. M.F.Lomova. Izv.AN Turk.SSR.Ser.biol.nauk no.6:83-85 '63.

MURMANSK—BONES—DISEASES

Deformations of the osseous system in children of Arctic regions [with summary in English]. L.A.Tarasov. Pediatriia 42 no.9:64-69 S '63.

MURMANSK—CHILDREN—DISEASES

Deformations of the osseous system in children of Arctic regions [with summary in English]. L.A.Tarasov. Pediatriia 42 no.9:64-69 S '63.

MURMANSK—DEFICIENCY DISEASES

Deformations of the osseous system in children of Arctic regions [with summary in English]. L.A.Tarasov. Pediatriia 42 no.9:64-69 S '63.

MUSCLE

Activity of some glycogenolytic enzymes in various muscles of adult rabbits and embryos [with summary in English]. P.D.Dvornikova, T.M.Pechenova. Ukr. biokhim.zhur. 34 no.1:118-129 '62.

Carbohydrate-phosphorus metabolism in the skeletal muscle of adrenalectomized animals during treatment with cortisone and vitamins C and P [with summary in English]. O.M.Ivaniuta. Ukr.biokhim.zhur. 35 no.1:30-34 '63.

Cause of thermal death of skeletal muscles in cold-blooded animals. V.B.Ushakov. Dokl.AN SSSR 155 no.5:1178-1181 Ap '64.

Change in the total phosphorus content in isolated sartorius muscle in frogs. L.N.Pisareva. TSitologiia 5 no.3:332-336 My-Je '63.

Comparative study of muscle distensibility and hardness as indices of changes in the muscle tone. I.A. Slavutskaia. Uch.zap.MGPI 169:151-164 '62.

Effect of direct current of subliminal intensity on the excitability and absolute refractory phase of the nerves and the muscle. A.D.Novozhilova. Uch.zap.MGPI 169:19-28 '62.

Effect of lithium chloride on various indices of nitrogen metabolism in skeletal muscle [with summary in English]. H.IA.Kremn'ova. Ukr.biokhim.zhur. 35 no.1:43-47 '63.

Effect of subliminal rhythmical excitation on the functional state of the nerves and the muscle. A.D.Novozhilova. Uch.zap.MGPI 169:29-40 '62.

Glucokinase activity in the skeletal muscles of chick embryos [with summary in English]. M.N.Pertseva. Ukr.biokhim.zhur. 35 no.1:92-98 '63.

Muscle glycogen concentrations in experimental hypothermia. V.A.Bernshtein. Zdrav.Kazakh. 22 no.10:51-54 '62.

Sodium, potassium and water content of the blood serum and muscle tissue following adrenalectomy and subsequent hormone therapy [with summary in English]. V.I.Sokolova. Ukr.biokhim.zhur. 35 no.1:113-119 '63.

Study of enzyme systems phosphorylizing creatine in the muscles [with summary in English]. V.A.Rogozkin. Ukr.biokhim.zhur. 35 no.1:35-42 '63.

Ultraviolet luminescence of muslces in different functional states. I.G.Shtrankfel'd. Dokl.AN SSSR 155 no.2:461-464 Mr '64.

MUSCLES

Regulation of the hexokinase reaction of muscles [with summary in English]. G.S.Sheves. Ukr.biokhim.zhur. 35 no.5:669-676 '63.

Sarcoplasm proteins in muscle during work and rest [with summary in English]. N.R.Chagovets. Vop.med.khim 8 no.6:599-603 N-D '62.

Smooth musculature of the human pulmonary pleura. O.N.Timofeeva. Zdrav.Bel. 9 no.6:47-49 Je '63.

State of the smooth muscles of the stomach following the transection of the vagus nerves. L.I.D'iachkova. Nauch.trudy SamMI 21:74-78 '62.

MUSCLES—AGING

Some biomorphological regularities in the aging of the skeletal muscles. S.I.Fudel'-Osipova. Vest.AMN SSSR 18 no.2:60-70 '63.

MUSCLES—EXAMINATIONS

Measuring the tonus balance of the dorsal muscles by a photoelectric cell device. V.A.Kremnev. Ortop., travm.i protez. 24 no.10:66-68 O '63.

MUSCLES—INNERVATION

Changes in the nervous apparatus of human skeletal muscles in diphtheria. A.T.Tilliaev, D.A.Musaeva. SamMI 21:83-88 '62.

Reactive properties of the nervous elements of striated human muscles in typhoid fever. Z.Kh.Rakhmatullin, A.T.Tilliaev. Nauch.trudy SamMI 21:79-82 '62.

State of the neuromuscular elements of human skeletal muscles in meningitis. A.T.Tilliaev, D.A.Musaeva. Nauch.trudy SamMI 21:89-93 '62.

MUSCLES—MICROBIOLOGY

Distribution of the sarcosporidiosis in sheep (Sarcocystis tenella Railliet) in southeastern Kazakhstan. N.G. Levchenko. Paraz.sel'khoz.zhiv.Kazakh. 2:154-157 '63.

MUSCLES—MOTILITY

Dynamics of coordinated relations in reflex reactions of antagonistic muscles. L.N.Pankova. Uch.zap.MGPI 169:101-116 '62.

Effect of a short-term alteration of the cerebellum on the effect of the excitation of the motor area in the cerebral cortex. I.M.Gil'man. Uch.zap.MGPI 169:220-236 '62.

Effect of the cerebellum on the coordinating function of the spinal cord. A.A.Guminskii. Uch.zap.MGPI 169:189-204 '62.

Neuromuscular transmission in the skeletal muscles of vertebrates. N.F.Skorobovichuk. Usp.sovr.biol. 57 no.1:115-127 Ja-F '64.

Participation of the cerebellum in the motor reactions in connection with the characteristics of the histological structure of its cortex. I.M.Gil'man. Uch.zap.MGPI 169:237-249 '62.

Reduction of the toxic effect of streptomycin on the neuromuscular preparation of a cold-blooded animal. T.A.Speranskaia. Dokl.AN SSSR 155 no.3:719-720 Mr '64.

Unusual remodeling of the striated structure of myofibrils with shortening of the anisotropic disks. N.A.Gabelova, K.S.Aleinikova, G.M.Frank. Dokl.AN SSSR 155 no.5:1192-1193 Ap '64.

MUSCLES—SURGERY

Late results of myoplasty in paralysis of the musculus quadriceps femoris in patients with sequelae of poliomyelitis. K.M.TSkhakaia. Ortop., travm.i protez. 24 no.10:26-30 O '63.

MUSEUMS see subdivision 'Art galleries and museums' under Leningrad; Pskov

MUSHROOMS

Nutrition physiology of the cultivated chamignon Agaricus bisporus Lange. Report No.1: Nitrogen nutrition. L.V.Garibova. Nauch.dokl.vys.shkoly; biol.nauki no.2:137-141 '64.

MUSHROOMS, EDIBLE see subdivision under Kirghizistan; Latvia

MUSIC

[illegible] 27 no.11:151-160 N '63.

[illegible] Sov.muz. 27 no.11:88-104 N '63.

MUSIC—DICTIONARIES

Dolzhanskii, A.N. [Concise musical dictionary] Kratkii muzykal'nyi slovar'. Izd.4. Leningrad, Muzyka, 1964. 517 p.

MUSIC—HISTORY AND CRITICISM

Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut teatra, muzyki i kinematografii. [Shakespeare and music] Shekspir i muzyka. Leningrad, Izd-vo "Muzyka," 1964. 338 p.

MUSIC—INSTRUCTION AND STUDY

Metner, N.K. [Daily work of the pianist and composer; pages from notebooks] Povsednevnaia rabota pianista i kompozitora; stranitsy iz zapisnykh knizhek. Moskva, Gos. muzyk. izd-vo, 1963. 91 p.

MUSIC—PHILOSOPHY AND AESTHETICS

Aesthetic training of future teachers. P. Rudchenko. Mystetstvo 10 no.5:6-7 S-O '63.

MUSIC FESTIVALS see subdivision under Florence

MUSICAL INSTRUMENTS—CONSTRUCTION

Minin, A.E. [Commercial study of musical instruments] Tovarovedenie muzykal'nykh instrumentov. Moskva, Ekonomika, 1964. 139 p.

MUSICAL MOTION PICTURES see Motion pictures, Musical

MUSTAFINOV, AKHMED NIURMUKHAMEDOVICH, 1904-1963

Akhmed Niurmukhamedovich Mustafinov; obituary. Neft. khoz. 41 no.12:74 D '63.

MUSTARD OILS

Studying the volatile mustard oils from the seeds of Cruciferae plants. L.N.Kharchenko. Masl.-zhir.prom. 30 no.3:14-15 Mr '64.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Central Europe and the commercial policy of German imperialism. B.M. Tupolev. Vop.ist. 39 no.3:209-210 Mr '64.

Cuba and the member countries of the Mutual Economic Assistance Council. L.Saifulina. Mezhdunar. zhizn' 11 no.5:145-146 My '64.

Current problems of socialist planning. B.Miroshnichenko. Vop.ekon. no.4:65-78 Ap '64.

For the satisfaction of worker's growing needs. N.Semin. Vnesh.torg. 44 no.4:30-33 '64.

Legal nature of the recommendations of the Mutual Economic Assistance Council. E.T.Usenko. Sov.gos.i pravo no.12:86-94 D '63.

An organization of fraternal cooperation. N.Ptichkin. Vnesh.torg. 44 no.4:15-20 '64.

Spectrometric and electron physics apparatus at the exhibition by member countries of Comecon. Atom. energ. 16 no.4:357-359 Ap '64.

MYCOBACTERIUM TUBERCULOSIS

Content of nucleic acids in drug-sensitive and resistant mycobacteria [with summary in English]. M.A.Chertkova, A.M.Khoma-Lemishko. Zhur.mikrobiol.,epid. i immun. 40 no.4:31-35 Ap '63.

Tuberculosis bacteriophage; a review. B.N.Koz'min-Sokolov. Zhur.mikrobiol.,epid.i immun. 40 no.4; 35-38 Ap '63.

MYCOBACTERIUM TUBERCULOSIS—CULTURES AND CULTURE MEDIA

Use of dried nutrient agar D in the medium for determining antibiotic sensitivity of Mycobacterium tuberculosis. S.A.Erlikh. Lab.delo no.5:273 '64.

MYCOSIS
(see also subdivision under Mongolia)

Experience with 4% epilin plaster in the treatment of scalp mycosis. Z.M.Kozlova and others. Vest.derm. i ven. 37 no.4:73 Ap '63

Use of 4% epilin plaster in the treatment of mycoses of the scalp under rural conditions. A.P.Chikov. Zdrav. Kazakh. 23 no.4:42-44 '63.

MYCOSTATIN

Thermal stability of nystatin. G.Kleinere, N.Jonova. Antibiotiki 8 no.8:712-717 Ag '63.

MYIASIS

Case of ophthalmomyiasis caused by the gadfly larva. L.N.Sheveleva. Zdrav.Kazakh. 23 no.4:75-77 '63.

MYONEURAL JUNCTION

Evolutional and morphological changes in the myoneural synapse in a number of vertebrates [with summary in English]. L.F.Mavrinskaia. Arkh.anat.,gist.i embr. 43 no.12:3-28 D '62.

Neuromuscular transmission in the skeletal muscles of vertebrates. N.F.Skorobovichuk. Usp.sovr.biol. 57 no.1:115-127 Ja-F '64.

Variation in the electrical and mechanical activity of the compressor muscle of the claw in the crab Eriphia spinifrons (Herbst.) under simple (β) and supplementary (α) inhibition. M.IA.Kuntsova. Dokl.AN SSSR 155 no.4:981-984 Ap '64.

MYOSINS

Effect of muscular activity on the interaction of thiol groups of myosin with adenosinetriphosphoric acid [with summary in English]. N.N.IAkovlev, A.F. Krasnova. Ukr.biokhim.zhur. 34 no.1:95-103 '62.

MYSLIVECEK, JOSEF, 1737-1781

Shaginian, M.S. [Resurrection from the dead; the story of a study] Voskreshenie iz mertvykh; povest' ob odnom issledovanii. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 406 p.

MYTHOLOGY, HINDU

Reconstruction of some mythological conceptions; based on materials of the Buddhist fine arts. V.N.Toporov. Nar.Az.i Afr. no.3:101-110 '64.

MYXOSPORIDIA see subdivision under Mingechaur Reservoir

NABUR VOLCANO—GAS, NATURAL

Certain characteristics of the Nabur mud volcano [in Azerbaijani with summary in Russian]. K.S.Kagramanov. Azerb.neft.khoz. 43 no.4:12-13 Ap '64.

NAGORNO-KARABAKH AUTONOMOUS PROVINCE—FUNGI, PHYTOPATHOGENIC

Some data on the species of fungi in the Nagorno-Karabakh Autonomous Province. B.F.Guseinova. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.12:17-23 '61.

NAIADALES

Origin of monocotyledons as illustrated by the example of Helobiae. L.V.Kudriashov. Bot.zhur. 49 no.4:473-486 Ap '64.

NAKHICHEVAN A.S.S.R.—ALFALFA—WATER REQUIREMENTS

Study of promising leguminous cultures in the irrigated lowlands of the Nakhichevan A.S.S.R. [in Azerbaijani with summary in Russian]. A.A.Bekhbudov. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.5:29-33 '63.

NAKHICHEVAN A.S.S.R.—ICHNEUMON FLIES

Wintering of the ichneumon fly (Habrobracon brevicornis Wesm.) destroying the mallow moth in the Nakhichevan A.S.S.R. G.G.Kurbanov, G.A.Kuliev. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.12:55-58 '61.

NAKHICHEVAN A.S.S.R.—MILDEW

Pear powdery mildew in the Nakhichevan A.S.S.R. T.M.Akhundov. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.5:15-18 '63.

NAKHICHEVAN A.S.S.R.—MOTHS—BIOLOGICAL CONTROL

Wintering of the ichneumon fly (Habrobracon brevicornis Wesm.) destroying the mallow moth in the Nakhichevan A.S.S.R. G.G.Kurbanov, G.A.Kuliev. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.12:55-58 '61.

NAKHICHEVAN A.S.S.R.—PEAR—DISEASES AND PESTS

Pear powdery mildew in the Nakhichevan A.S.S.R. T.M.Akhundov. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.5:15-18 '63.

NAKHICHEVAN A.S.S.R.—SAINFOIN—WATER REQUIREMENTS

Study of promising leguminous cultures in the irrigated lowlands of the Nakhichevan A.S.S.R. [in Azerbaijani with summary in Russian]. A.A.Bekhbudov. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.5:29-33 '63.

NAKHICHEVAN A.S.S.R.—SHEEP—ANATOMY

Growth and development of the gastrointestinal tract in young Balbaz sheep. A.S.Ismailov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:55-60 '63.

NAMES, GEOGRAPHICAL
(see also subdivision under Altai Mountains; Chechen-Ingush A.S.S.R.; Siberia, Eastern)

Soveshchanie "Printsipy toponimiki," Moscow, 1962. [Principles of toponymy] Printsipy toponimiki. Moskva, Izd-vo "Nauka," 1964. 150 p.

NAMES, GEOGRAPHICAL—STUDY AND TEACHING

The first school of toponymy. IU.G.Vylezhnev. Izv. Vses.geog.ob-va 96 no.2:156-157 Mr-Ap '64.

NAMES, GEOGRAPHICAL—TURKIC see subdivision under Zaporozh'ye Province

NAPHTHA

Using gases of hydroforming processes. R.N.Masagutov and others. Trudy BashNII NP no.6:5-10 '63.

NAPHTHALENE

Technology of the production of naphthalene from the refining products of eastern oils. V.N.Kol[illegible] and others. Neftepер.i neftekhim. no.4:30-33 '64.

NAPHTHALENE, EFFECT OF RADIATION ON

Excitation by fast electrons of the triplet states of naphthalene molecules in solid solutions. [illegible] and others. Dokl.AN SSSR 156 no.3:630-[illegible] '64.

NAPHTHALENE CRYSTALS—ABSORPTION SPECTRA

Measurement of the absorption spectra of plastically deformed naphthalene crystals. A.F.Prikhot'ko, M.S. Soskin, A.K.Tomashchik. Opt.i spektr. 16 no.4:[illegible]-618 Ap '64.

NAPHTHALENEDISULFONIC ACID

Analytical application of bisazo derivatives of chromotropic acid [with summary in English]. S.B. Savvin, IU.M.Dedkov. Zhur.anal.khim. 19 no.1:[illegible]-27 '64.

Photometric determination of titanium in microgram portions of minerals and rocks by means of 2,7-dichlorochromotropic acid [with summary in English]. N.S.Klassova, L.L.Leonova. Zhur.anal.khim. 19 no.1:131-132 '64.

Spectrophotometric study of beryllon II, an analytical reagent [with summary in English]. L.P.Adamovich, A.P.Mirnaia. Zhur.anal.khim. 18 no.3:[illegible] Mr '63.

NAPHTHENES—SPECTRA

Calculation and interpretation of the vibrational spectra of naphthenes. E.P.Krainov, N.I.Prokof'eva, L.M. Sverdlov. Opt.i spektr. 16 no.4:567-571 Ap '64.

NAPHTHENIC ACIDS

Crude for obtaining synthetic naphthenic acids. G.I. Pal'chikov, P.G.Igonin, M.A.Pashenko. Trudy GrozNII no.15:294-297 '63.

Industrial engineering of the production of distilled naphthenic acids. M.G.Shikhi-Zade. Azerb.neft. khoz. 43 no.4:39-41 Ap '64.

Oxidation of naphthenic hydrocarbons. P.G.Igonin and others. Trudy GrozNII no.15:298-302 '63.

NAPHTHOL

Correlations in the action of inhibitors in oxidation reactions. Part 6: Kinetics of consumption of naphthols in the induction period [with summary in English]. B.A.Gromov, V.B.Miller, IU.A.Shliapnikov. Vysokom. soed. 6 no.3:470-472 Mr '64.

NAPHTHOL—DIPOLE MOMENTS

Intramolecular hydrogen bonding and the dipole moments of organic compounds. Part 1. A.E.Lutskii, L.A. Kochergina, B.A.Zadorozhnyi. Zhur.fiz.khim. 37 no.3:671-674 Mr '63.

NAPHTHOLDISULFONIC ACID

Disodium salt of 2-naphthol-1-[N-dicarboxymethyl)-aminomethyl]-3,6-disulfonic acid. R.P.Lastovskii, V.V.Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:75-76 '62.

NAPOLEON I, 1769-1821—CAMPAIGNS OF 1813-1814

[Campaign of the Russian Army against Napoleon in 1813 and the liberation of Germany; a collection of documents] Pokhod russkoi armii protiv Napoleona v 1813 g. i osvobozhdenie Germanii; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 537 p.

Nations and governments in the 1813 war for the liberation of Germany. A.L.Narochnitskii. Vop.ist. 39 no.3: 170-180 Mr '64.

NASOPHARYNX—MICROBIOLOGY

Data on the pathogenesis of diphtheria. Report No.3: Microflora of the pharynx and nose and the clinical aspects of diphtheria [with summary in English]. IU.M. Kocherovskii. Zhur.mikrobiol.,epid.i immun. 40 no.4:23-26 Ap '63.

NATIONAL BIBLIOGRAPHY see Bibliography, National

NATIONAL PARKS AND RESERVES see subdivision under Gorno-Altai Autonomous Province

NATIONALITIES
(see also subdivision under Kazakhstan; Transcaucasia)

Anticommunist "critics" of the Soviet national state system. V.E.Guliev. Sov.gos.i pravo 34 no.4:124-133 Ap '64.

Communism and nationalities. E.V.Tadevosian. Vop. ist.KPSS 8 no.4:54-62 Ap '64.

A great example in the solving of the nationality question. A.Erzhanov. Part.zhizn' Kazakh. 34 no.4:65-69 Ap '64.

Groshev, I.I., ed. [Fraternal commonwealth of the peoples of the U.S.S.R., 1922-1936; a collection of documents and other materials] Bratskoe sodruzhestvo narodov SSSR 1922-1936 gg.; sbornik dokumentov i materialov. Moskva, "Mysl'," 1964. 438 p.

NATIONALITIES (Continued)

Muradian, V. A. [Concord in combat. Work of army party organizations in educating Soviet soldiers in the spirit of the friendship of nations at the fronts in the Great Patriotic War; based on materials of the South-Western, Voronezh, North Caucasian and Transcaucasian fronts, 1941-1943] Boevoe sodruzhestvo. Deiatel'nost armeiskikh partiinykh organizatsii po vospitaniiu sovetskikh voinov v dukhe druzhby narodov na frontakh Velikoi Otechestvennoi voiny (po materialam IUgo-Zapadnogo, Voronezhskogo, Severo-Kavkazskogo i Zakavkazskogo frontov na 1941-1943 gg.). Baky, Azerbaidzhanskoe gos. izd-vo, 1964. 214 p.

"The nationality question in views of the Decembrists" [In German] by H. Lemberg. Reviewed by P. IA. Bukshpan. Vop. ist. 39 no. 3:190-191 Mr '64.

Rapprochement of nations and the origin of the international community of the peoples of the U.S.S.R. N. V. Mansvetov. Vop. ist. 39 no. 5:38-53 My '64.

V. I. Lenin and the peoples of the East; based on materials in the Lenin Museum in the Kremlin. Z. A. Subbotina. Ist. SSSR 8 no. 2:221-225 Mr-Ap '64.

V. I. Lenin on forms of state capable of a socialist solution of the nationality problem. E. V. Tadevosian. Vop. filos. 18 no. 4:27-37 '64.

NATURAL GAS see Gas, Natural

NATURAL HISTORY

Spangenberg, E. P. [Memoirs of a naturalist] Zapiski naturalista. Moskva, Izd-vo Mosk. univ., 1964. 705 p. illus. (Sredi prirody, no. 56)

NATURAL HISTORY—BIBLIOGRAPHY see Bibliography—Natural history

NATURAL HISTORY MUSEUMS see subdivision under Siberia

NATURAL RESOURCES see subdivision under Amur Province; Azerbaijan; Canada; United States

NATURAL SELECTION

Creative role of selection. G. F. Lakin. Uch. zap. Orlov. gos. ped. inst. 18:153-159 '63.

Experimental data on the creative role of artificial selection. G. F. Lakin. Uch. zap. Orlov. gos. ped. inst. 18:137-152 '63.

NATURE

Founders of Marxism-Leninism on the relationship between man and nature. IU. N. Kurazhskovskii. Okhr. prir. Sib. i Dal'. Vost. no. 1:16-25 '62.

NATURE (AESTHETICS)

The nature of the beautiful and the beautiful in nature [with summary in English]. S. F. Chunaev. Vest. LGU 19 no. 5:58-69 '64.

NATURE STUDY

Observations as a leading method of nature study. A. M. Nizova. Nach. shkola 32 no. 1:63-70 Ja '64.

Page from the great book of nature. D. A. Obraztsov. Nach. shkola 32 no. 1:90 Ja '64.

NATURE STUDY—AUDIO-VISUAL AIDS

Today's weather. S. K. Luzik. Nach. shkola 32 no. 1:60 Ja '64.

NAUTICAL ASTRONOMY

Application of Newton's method to the solution of astronomical problems of two altitudes. V. F. D'iakonov. Sudovozhdenie no. 3:20-34 '63.

Determining the position of a vessel by observations of the sun made at different moments. V. N. Mal'tsev. Sudovozhdenie no. 3:35-44 '63.

NAUTICAL ASTRONOMY—MATHEMATICAL MODELS

Mathematical model of astronomic methods to determine a ship's position. A. M. Brekhov. Sudovozhdenie no. 3:20-28 '63.

NAUTICAL ASTRONOMY—TABLES, CALCULATIONS, ETC.

Astronomical tables. V. T. Kondrashikhin. Sudovozhdenie no. 3:103-108 '63.

NAUTICAL CHARTS

Plotting a net of isolines on a chart. F. T. Gukov. Sudovozhdenie no. 3:80-86 '63.

Taking into account the deformations of the Mercator projection in the compilation of radar charts. S. I. Zapasskii. Sudovozhdenie no. 3:73-79 '63.

NAUTICAL INSTRUMENTS—MAINTENANCE AND REPAIR

Improve the maintenance of marine radar stations. A. Potemkin. Mor. flot 23 no. 12:20-22 D '63.

NAVAL ARCHITECTURE

Nogid, L. M. [Design of seagoing ships] Proektirovanie morskikh sudov. Leningrad, Izd-vo "Sudostroenie."
Pt. 1. [Methods of determining the elements of a proposed ship] Metodika opredeleniia elementov proektiruemogo sudna. 1964. 358 p.

NAVAL ARCHITECTURE—CONGRESSES

International cooperation on standardizing the buoyancy and stability of ships. S. Blagoveshchenskii, V. Dorin. Mor. flot 23 no. 12:41-42 D '63.

NAVAL EDUCATION

Strelov, A. B. [M. V. Frunze Higher Naval School of the Order of the Red Banner and the Orders of Lenin and Ushakov] Vysshee Voenno-Morskoe Krasnoznamennoe ordenov Lenina i Ushakova uchilishche imeni M. V. Frunze. Moskva, DOSAAF, 1957. 54 p.

NAVIES see subdivision 'Navy' under Russia

NAVIGATION
(see also subdivision under Arctic regions)

Antomonov, IU. G. [Calculation of systems optimal in respect to response time; ship navigation along its course] Raschet sistem, optimal'nykh po bystrodeistviiu; upravlenie sudnom po kursu. Leningrad, Sudostroenie, 1964. 68 p.

Comparison of direct and combined intersectings. A. N. Rakhovetskii. Sudovozhdenie no. 3:69-72 '63.

Concerning V. P. Seleznev's book "Navigation systems." V. D. Andreev and others. Izv. AN SSSR. Tekh. kib. no. 2:184-187 Mr-Ap '64.

Determination of Poisson parameters during navigation. R. D. Mel'nikov. Sudovozhdenie no. 3:65-68 '63.

Needed and useful book. N. V. Averbakh. Sudovozhdenie no. 3:109-110 '63.

Sazonov, A. E., and IU. M. Filippov. [Mathematical principles of the automation of ship navigation] Matematicheskie osnovy avtomatizatsii sudovozhdeniia. Moskva, Izd-vo "Transport," 1964. 175 p.

Selection of the most advantageous sailing route to Cuba. B. Osipov. Mor. flot 23 no. 12:19-20 D '63.

Strictly consecutive verification of the accuracy of the calculated position of a ship in the case of position lines determined at various times. A. E. Sazonov, IU. M. Filippov. Sudovozhdenie no. 3:6-19 '63.

NAVIGATION—PERIODICALS

New periodical for navigators. L. Pekolok. Ryb. khoz. 40 no. 3:89-90 '64.

NAVOY (BUKHARA PROVINCE)—CHEMICAL INDUSTRIES—MANAGEMENT

Combine's main robot. A. Ershov. Nar. khoz. Sred. Az. 1 no. 3:89-91 Mr '64.

NEAR EAST—HISTORY

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut vostokovedeniia. Voprosy istorii Blizhnego Vostoka. Studies in the history of the Near East. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 255 p. [In Georgian]

NEBULAE—SPECTRA

$H\alpha$ profiles in four emission nebulae. P. V. Shcheglov. Astron. tsir. no. 266:2-3 O '63.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Gruzdev, A. I. [Theme and character in the poem of N. A. Nekrasov "Princess Trubetskaia"; lecture from the special course "Poetry of N. A. Nekrasov"] Siuzhet i kharakter v poeme N. A. Nekrasova "Kniaginia Trubetskaia; lektsiia iz spetskursa" "Poeziia N. A. Nekrasova." Leningrad, Leningr. gos. pedagog. in-t im. A. I. Gertsena, 1963. 34 p.

NECHUNAEV, NIKOLAI

Test of courage. I. Titov. Sov. voin 44 no. 23:2 D '62.

NECK—INNERVATION

Effect of removal of the superior cervical sympathetic ganglion on healing wounds in acute (experimental) radiation injury. V. S. Dmitrieva. Trudy TSIU 64:143-150 '63.

NECK—TUMORS

A rare case of localization of lipogranuloma of the face and neck. V. M. Messina. Trudy TSIU 64:130-133 '63.

NECROSIS

Early necrectomy in extensive burns; experimental research [with summary in English]. N. I. Kochetygov. Vest. khir. 90 no. 5:88-92 My '63.

NEFTECHALA OIL FIELD—OIL FIELD BRINES

Comparative hydrochemical characteristics of the Kyurovdag and Neftechala oil fields. B. S. Moldavskii. Izv. vys. uch. zav.; neft' i gaz 5 no. 9:23-28 '62.

NEFTYANYYE KAMNI OIL FIELD—PETROLEUM GEOLOGY

Formation of oil and gas pools in the Neftyanyye Kami oil field. F. M. Bagir-zade. Izv. vys. uch. zav.; neft' i gaz 5 no. 9:3-9 '62.

NEGROES see subdivision under United States

NEGROES—CIVIL RIGHTS see subdivision under United States

NEMATOCIDES

Methods of testing nematocides in laboratory experiments. E. S. Turlygina. Sbor. rab. po nemat. sel'khoz. rast. no. 5:133 '63.

Methods of the laboratory testing of preparations for nematocidal properties. V. I. Chekalina. Sbor. rab. po nemat. sel'khoz. rast. no. 5:134-140 '63.

NEMATODA
(see also subdivision under Latvia)

Cultivation of saprobiotic nematodes. E. S. Turlygina. Sbor. rab. po nemat. sel'khoz. rast. no. 5:130-132 '63.

Epizootiology of Elaphostrongylus infestation of antlered deers. E. I. Priadko, S. N. Vysokov, V. S. Frolov. Paraz. sel'khoz. zhiv. Kazakh. 2:74-85 '63.

Method of thermal staining of nematodes by polychrome blue. A. A. Paramonov. Sbor. rab. po nemat. sel'khoz. rast. no. 5:128-129 '63.

Methods of studying mermithids (Mermithidae, Nematodes). P. A. Polozhentsev, A. K. Artiukhovskii. Sbor. rab. po nemat. sel'khoz. rast. no. 5:70-90 '63.

Methods of the sterilization of plant nematodes. S. G. Miuge. Sbor. rab. po nemat. sel'khoz. rast. no. 5:126-127 '63.

Possibilities of using a combined system of punched cards in the bibliographical work on plant nematodology. A. M. Nilson, E. L. Krall. Sbor. rab. po nemat. sel'khoz. rast. no. 5:141-166 '63.

NEMATODE DISEASES OF PLANTS

Collection and identification of the root knot nematodes of the family Heteroderidae (Skarbilovich, 1947) Thorne, 1949. E. S. Kir'ianova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:6-32 '63.

Inspecting potato fields for detecting the focuses of the golden nematode. N. A. Lobanova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:43-45 '63.

Inspecting the areas under potato crops for detecting the golden nematode by means of the selection and analysis of soil samples. A. M. Borovkova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:33-42 '63.

Methods of the inspection and prophylaxis of the Meloidogyne infection of greenhouse ornamental plants. V. F. Shmal'ko. Sbor. rab. po nemat. sel'khoz. rast. no. 5:46-56 '63.

Nematode diseases of flax. N. M. Sveshnikova, L. A. Gus'kova. Zashch. rast. ot vred. i bol. 9 no. 4:42 '64.

Some methods for isolating the plant nematodes from the soil. E. L. Krall. Sbor. rab. po nemat. sel'khoz. rast. no. 5:57-62 '63.

Some methods of ecological and physiological study of plant helminths. N. M. Ladygina. Sbor. rab. po nemat. sel'khoz. rast. no. 5:91-113 '63.

Strawberry nematode and the complex of measures for protecting strawberries. A. M. Borovkova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:63-69 '63.

NEMATODE DISEASES OF PLANTS—BIBLIOGRAPHY see Bibliography—Nematode diseases of plants

NEMATODE DISEASES OF PLANTS—RESEARCH

Methods of some biochemical work on plant nematodes. V. G. Zinov'ev. Sbor. rab. po nemat. sel'khoz. rast. no. 5:114-118 '63.

Methods of the biochemical and histochemical studies of plant nematodes. S. G. Miuge. Sbor. rab. po nemat. sel'khoz. rast. no. 5:119-125 '63.

NEMIROVICH-DANCHENKO, VLADIMIR IVANOVICH, 1858-1943

Bertenson, S. L. [In Hollywood with V. I. Nemirovich-Danchenko, 1926-1927] V. Khollivude s V. I. Nemirovichem-Danchenko (1926-1927). Po materialam arkhiva S. L. Bertensona, sost. K. Arenskii. [Monterey, California, K. Arensburger] 1963. 166 p.

NENADKEVICH, KONSTANTIN AVTONOMOVICH, 1880-1963

Konstantin Avtonomovich Nenadkevich; obituary. Izv. AN SSSR. Ser. geol. 29 no. 4:101 Ap '64.

NEOMYCIN

Study of some physiological peculiarities of Act. fradiae 129. O. Z. Grabovskaia, M. M. Levitov. Antibiotiki 8 no. 8:705-712 Ag '63.

NEON—SPECTRA

Determining the transition probability for the 736 Å neon resonance line. F. A. Korolev, V. I. Odintsov, E. V. Fursova. Opt. i spektr. 16 no. 4:555-558 Ap '64.

NEOPRENE

Effect of co-vulcanization on the properties of compounds made from a combination of nairit with other rubbers. N. D. Zakharov and others. Kauch. i rez. 23 no. 3:12-15 Mr '64.

NEOSTIGMINE

Decurarization in cardiovascular diseases. V. A. Kovanev, IA. M. Khmelevskii. Eksper. khir. i anest. 7 no. 4:83-89 Jl-Ag '62.

Some data on pathogenetic therapy of rickets. K. A. Sviatkina. Pediatriia 42 no. 9:48-51 S '63.

NEPAL—MINERALS

Nepal and her minerals. V. S. IAblokov. Izv. AN SSSR. Ser. geol. 29 no. 1:75-86 Ja '64.

NEPRINTSEV, IURII MIKHAILOVICH, 1903-

IU. [illegible] of the heroes of Leningrad. [illegible] 26 no.12:24-30 '63.

NERVES

Change in the radiosensitivity of nerve tissue under the effect of anesthetic compounds. P.F.Minaev and others. Dokl.AN SSSR 155 no.5:1209-1211 Ap '64.

Change in the vital staining of nerve endings during a pessimum. E.A.Shapiro. TSitologiia 5 no.3:323-326 My-Je '63.

Cytochemical characteristics of ribonucleoproteids and the [illegible] complex in the nucleolus of nerve cells. A.L.Shabadash, T.I.Zelikina, N.D. Agracheva. Dokl.AN SSSR 155 no.2:445-447 Mr '64.

Deposition of pigments in human nerve cells. I.I.Guiner. Sbor.nauch.rab.IAr.med.inst. no.18:42-50 '59.

Effect of changes in temperature on the respiration of isolated nerves of a frog. IU.I.Arshavskii. Uch.zap. MGPI 169:165-174 '62.

Effect of direct current of subliminal intensity on the excitability and absolute refractory phase of the nerves and the muscle. A.D.Novozhilova. Uch.zap.MGPI 169:[illegible] '62.

Effect of subliminal rhythmical excitation on the functional state of the nerves and the muscle. A.D.Novozhilova. Uch.zap.MGPI 169:29-40 '62.

Effect of the alteration of the proximal section of a nerve on the excitability at its other points. F.I.Mumladze. Uch.zap.MGPI 169:49-57 '62.

Fluctuations in the excitability of the nerves. F.I. Mumladze. Uch.zap.MGPI 169:41-45 '62.

Interference of parabiotic foci in somatic nerves. F.I. Mumladze. Uch.zap.MGPI 169:59-70 '62.

Methods of the introduction of electrodes into large trunks of nerves. V.I.Galakhov. Uch.zap.Orlov. gos.ped.inst. 15:160-165 '63.

Some forms of synapses in the cerebral cortex; electron-microscopic studies. N.N.Bogolepov. Zhur.nevr.i psikh. 64 no.3:[illegible]-330 '64.

NERVES—AGING

Neurohumoral regulation of function in the aging of the body. V.V.Frol'kis. Vest.AMN SSSR 18 no.2:70-76 '63.

NERVES—SURGERY

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Izd-vo "Meditsina,"
Vol.10. Petrovskii, B.V., and G.A.Rikhter, eds. [Surgery on the peripheral nerves and vessels] Khirurgiia perifericheskikh nervov i sosudov. 1964. 726 p.
(DNLM)

Surgery to create soundless barking in dogs. V.A.Konstantinov, V.A.Shustin. Eksper.khir.i anest. 8 no.4: 54-55 Jl-Ag '63.

NERVES—TUMORS

Neurogenic tumors of the mediastinum [with summary in English]. IA.Dobrev, P.Deenichin. Vest.khir. 90 no.5:26-29 My '63.

NERVES, PERIPHERAL

Changes in the peripheral nervous system under the influence of multiple injections of therapeutic doses of aminazine. V.N.Telegin. Nauch.trudy Riaz.med.inst. 15:136-137 '62.

Effect of the alteration of distant points in the peripheral nervous system on the course of reflexes. S.P. Khramchenkova. Uch.zap.MGPI 169:81-95 '62.

NERVES, PERIPHERAL—DISEASES

Diseases of the peripheral nervous system in workers of the Orsha Locomotive Depot. O.V.Gul'tsov. Zdrav. Bel. 9 no.6:59-62 Je '63.

Vitamin B_{12} treatment of diseases of the peripheral nervous system. I.A.Zelichenok, K.N.Biskina. Zdrav. Bel. 9 no.6:71-72 Je '63.

NERVES, SPINAL

Various forms of the division of the nerve cells of intervertebral ganglia. O.P.Rzhevutskaia. Trudy Stavr. sel'khoz.inst. no.11:131-137 '62.

NERVES, SPINAL—DISEASES

Epidural novocaine block in the treatment of lumbosacral radiculitis (funiculitis). V.K.Romanov. Zhur.nevr.i psikh. 64 no.3:386-389 '64.

NERVOUS SYSTEM

Comparative study of the properties of cholinesterases of the nervous system in vertebrates and insects [with summary in English]. I.L.Brik, V.A.IAkovlev. Biokhimiia 27 no.6:993-1003 N-D '62.

Disorders in higher nervous activity and control of these disorders in mental fatigue in school children. L.N. Shastruiskaia. Vest.AMN SSSR 18 no.2:28-33 '63.

Effect of table salt on the higher nervous activity in healthy dogs. L.F.Roshchina. Vop.pit. 21 no.5:42-47 S-O '62.

Endogenic hypercholinesterinemia and arterial hypertonia in rats exposed to a prolonged action of stimulants on the central nervous system. A.I.Seranova. Dokl.AN SSSR 155 no.4:985-987 Ap '64.

Experimental study of the phenomena of parabiotic long-range action in the nervous system. A.N.Kabanov. Uch.zap.MGPI 169:5-18 '62.

Paths of the transmission of effects on a reflex from a distant altered section. S.P.Khramchenkova. Uch. zap.MGPI 169:97-100 '62.

Some data on the neurogenic pathogenesis and treatment of eczema and neurodermatitis; clinicophysiological study. A.I.Brind. Vest.derm.i ven. 37 no.4:9-16 Ap '63.

Tolmasskaia, E.S. [Nervous mechanisms in the coordination of somatic and visceral functions of the organism] O nervnykh mekhanizmakh koordinatsii somaticheskikh i vistseral'nykh funktsii organizma. Moskva, Meditsina, 1964. 186 p.

NERVOUS SYSTEM—DISEASES

Karaev, A.I., and A.G.Dadashev. [Metabolism in hysteriosis] Isteriozis ve maddeler mubadilesi. Baky, Azerbaichan SSR Elmler Akad. neshriiiaty, 1963. [In Azerbaijani]
(DNLM)

M.B.TSuker. Infectious diseases of the nervous system in children. V.A.Erenkov. Zhur.nevr.i psikh. 64 no.2:311-313 '64.

Nikitin, K.F., and E.Z.Neimark. [Problems in the hydrogen sulfide therapy of nervous diseases] Voprosy serovodorodnoi terapii nervnykh zabolevanii. Moskva, Meditsina, 1964. 210 p.
(DNLM)

Review of E.I.Shakhnovskaia's book "Physiotherapy for diseases of the nervous system." E.Z.Neimark. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:273-274 My-Je '63.

Review of the multivolume manual "Pathological anatomy of the nervous system," vol.2. D.G.Shefer. Vop. neirokhir. 27 no.5:61-63 S-O '63.

NERVOUS SYSTEM—SURGERY

All-Union Problem Commission on the "Surgery of the nervous system." V.F.Imshenetskaia. Vop.neirokhir. 27 no.5:59-60 S-O '63.

NERVOUS SYSTEM—TUMORS

Degree of malignancy as reflected in modern classifications of tumors of the nervous system [with summary in English]. B.S.Khominskii. Vop.neirokhir. 27 no.5:1-7 S-O '63.

NERVOUS SYSTEM—VERTEBRATES

Evolutional and morphological changes in the myoneural synapse in a number of vertebrates [with summary in English]. L.F.Mavrinskaia. Arkh.anat.,gist.i embr. 43 no.12:3-28 D '62.

NERVOUS SYSTEM—WOUNDS AND INJURIES

Effect of injuries of some segments of the nervous system on the stomach and liver. V.V.Chernin. Eksper. khir.i anest. 8 no.4:27 Jl-Ag '63.

NERVOUS SYSTEM, AUTONOMIC

Effect of some vegetative poisons and mediators of nervous excitation on the thrombocyte level and prothrombin time in sheep. F.A.Ismagulova. Trudy Inst. fiziol.AN Kazakh.SSR 5:151-153 '63.

Some changes in the vegetative nervous system and the cardiovascular system in Botkin's disease in children. I.N.Rudenskaia. Vop.okh.mat.i det. 7 no.6:39-43 Je '62.

NERVOUS SYSTEM, AUTONOMIC—DISEASES

Ivanov, V.A., and M.N.Molodenkov. [Neurodystrophic lesions of the internal organs in chronic irritations of the vegetative nervous system] Neirodistroficheskie porazheniia vnutrennikh organov pri khronicheskom razdrazhenii vegetativnoi nervnoi sistemy. Moskva, Meditsina, 1964. 115 p.
(DNLM)

Morphological changes in the vegetative nervous system in rheumatic fever. G.M.Bekker. Nauch.trudy Riaz. med.inst. 14:125-129 '63.

Morphology of dystrophic and compensatory changes in the vegetative nervous system in rheumatic defects of the heart. S.F.Andreev. Sbor.nauch.rab.IAr.med.inst. no.18:139-159 '59.

Pathomorphology of the vegetative nervous system in bronchiectasis. N.E.IArygin. Sbor.nauch.rab.IAr. med.inst. no.18:55-74 '59.

Pathomorphology of the vegetative nervous system in diphtheria. V.I.Galkin. Sbor.nauch.rab.IAr.med.inst. no.18:84-104 '59.

NERVOUS SYSTEM, EFFECT OF RADIATION ON

Manina, A.A. [Radiation lesions and the regenerative processes in the central nervous system of mammals in ontogenesis] Luchevye porazheniia i vosstanovitel'nye protsessy v tsentral'noi nervnoi sisteme mlekopitaiushchikh v ontogeneze. [Moskva] Meditsina, 1964. 226 p.

NERVOUS SYSTEM, SYMPATHETIC

Asymmetry of the sacral sympathetic trunks in human fetuses. R.A.Usmanova. Nauch.trudy SamMI 21:60-62 '62.

Morphology of rami communicantes and rami interganglionares of the cervical section of the sympathetic trunk in human embryos and fetuses. M.[illegible], R.M.Salakhutdinova. Nauch.trudy SamMI 21:[illegible] '62.

Morphology of rami communicantes of the [illegible] of the sympathetic trunk in human fetuses. [illegible] Khalkuziev, T.U.Aripova. Nauch.trudy SamMI 21: 63-65 '62.

Origins and morphology of the sensory innervation of the cerebral arteries in some mammals. A.[illegible] Zhur.nevr.i psikh. 64 no.2:200-204 '64.

Participation of the sympathetic system in the [illegible] ment of the motor reactions of the spinal [illegible] Kalashnikova. Uch.zap.MGPI 169:137-[illegible] '62.

Position and forms of the sympathetic trunk in the [illegible] section of human fetuses. T.U.Aripova. Nauch.trudy SamMI 21:53-54 '62.

NERVOUS SYSTEM, SYMPATHETIC—SURGERY

Effect of removal of the superior cervical sympathetic ganglion on healing wounds in acute [illegible] radiation injury. V.S.Dmitrieva. Trudy [illegible] 150 '63.

Skin temperature asymmetry. Report No.3: Effect of a limited injury of the cerebral cortex in the region of the musculocutaneous analyzer on the asymmetry of skin temperature following unilateral sympathectomy. [illegible] Kuznetsov. Sbor.nauch.rab.IAr.med.inst. [illegible] 55 '59.

NESTERENKO, PETR GRIGOR'EVICH, 1900-[illegible]

N.G.Nesterenko. Ugol' 38 no.12:67 [illegible]

NEURAMINIC ACID

Determination of neuraminic acid in biological [illegible] tissues. I.V.TSvetkova. Lab.delo no.4:[illegible]

NEURITIS

Atherosclerotic neuritis. S.N.Gal'ianov. [illegible] 23 no.4:72-73 '63.

NEUROCHEMISTRY

Controlled change of biochemical processes [illegible] M.G.Uzbekov. Nauch.trudy Riaz.med.inst. [illegible] '62.

Distribution of pyrophosphatases in subcellular [illegible] of various segments of the nervous system of [illegible] [with summary in English]. O.M.Fedorov, A.V. Palladin. Ukr.biokhim.zhur. 35 no.6:[illegible]

"Neuroendocrine regulation of adaptation activity" by K.Lissak and E.Endroczi. Reviewed by N.N.[illegible] Usp.sovr.biol. 56 no.2:300-303 S-O '63.

NEUROFIBROMATOSIS

Neurofibromatosis of the face (Recklinghausen's disease). V.S.Dmitrieva. Trudy TSIU 64:101-109 '63.

NEUROPATHOLOGICAL SOCIETIES see subdivision under White Russia

NEUROPATHY

A.Bischoff. Diabetic neuropathy. L.A.Kukuev. Zhur. nevr.i psikh. 64 no.3:476 '64.

NEUROPSYCHIATRY

Discussion. A.D.Zurabashvili and others. Zhur.nevr. i psikh. 64 no.1:60-74 '64.

Some problems in the organization of psychoneurological services. E.A.Babaian, Z.N.Serebriakova. Zhur. nevr.i psikh. 64 no.1:137-141 '64.

NEUROPSYCHIATRY—CONGRESSES

Decision of the Fourth All-Union Congress of Neuropathologists and Psychiatrists (July 1963). Zhur.nevr.i psikh. 64 no.1:148-155 '64.

NEUROPSYCHOPHARMACOLOGY

Effect of certain pharmacological preparations on the cerebral bioelectric activity in schizophrenics. A.L. Gamburg, A.M.Denisova. Zhur.nevr.i psikh. 64 no.1:116-124 '64.

NEUROSES

Clinical characteristics of a syndrome of exaggerated ideas of marital infidelity. I.N.Timofeev. Zhur.nevr. i psikh. 64 no.3:390-397 '64.

Dotsenko, S.N., and B.IA.Pervomaiskii. [Neuroses, their clinical aspects and treatment] Nevrozy; klinika i lechenie. [Leningrad] Izd-vo "Meditsina," 1964. 186 p.
(DNLM)

Heart in neuroses. N.V.Levenkov. Sbor.trud.GMI no.15:23-56 '63.

Review of L.N.Kanavets' book "Neuroses and their treatment at sanatoriums and health resorts." S.M.[illegible] Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:279-[illegible] My-Je '63.

NEUTRINOS

Neutrino processes in stars [with summary in English]. V.S.Pinaev. Vop.kosm. 9:176-187 '63.

Neutrinos and their role in astrophysics [with summary in English]. B.Pontecorvo. Vop.kosm. 9:132-[illegible] '63.

Some problems in neutrino physics. G.T.Zatsepin, V.A.Kuz'min. Vest.AN SSSR 34 no.2:50-55 F '64.

NEUTRON BEAMS

Errors incurred in Schimm's method for measuring the degree of polarization of a beam of slow neutrons. B.G. Erozolimskii, IU.A. Mostovoi, B.A. Obiniakov. Prib.i tekh.eksp. 9 no.2:39-42 Mr-Ap '64.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction examination of α-Fe_2O_3-type oxides. G. Shirane. Izv.AN SSSR.Ser.fiz. 28 no.3:446 Mr '64.

Neutron diffraction examination of certain compounds with a perovskite structure. V.P. Plakhtii, E.I. Mal'tsev, D.M. Kaminker. Izv.AN SSSR.Ser.fiz. 28 no.3:436-439 Mr '64.

Neutron diffraction examination of ferrites-garnets. IU.S. Kuz'minov. Kristallografiia 9 no.2:204-208 Mr-Ap '64.

NEUTRON DIFFRACTION EXAMINATION

Effect of pressure on the temperature of the antiferromagnetic transformation of chromium. D.G. Litvin, E.G. Poniatovskii. Dokl.AN SSSR 156 no.1:69-71 My '64.

Neutron diffraction determination of atomic magnetic moments in iron - nickel alloys containing Mo, Si, and Cu. I.M. Puzei, V.I. Goman'kov, A.A. Loshmanov. Izv.AN SSSR.Ser.fiz. 28 no.3:440-443 Mr '64.

NEUTRON DIFFRACTION EXAMINATION—EQUIPMENT AND SUPPLIES

Universal apparatus for neutron diffraction structural analysis. P.D. Abesadze and others. Prib.i tekh.eksp. 9 no.2:43-46 Mr-Ap '64.

NEUTRON SPECTROMETRY

Neutron detector on the basis of a "long" counter. E.S. Frid and others. Atom.energ. 16 no.4:365-366 Ap '64.

NEUTRONS

Analyzing the characteristics of many-rotor mechanical neutron choppers. V.G. Zolotukhin, L.P. Khamiianov, A.A. Blyskavka. Prib.i tekh.eksp. 9 no.2:36-39 Mr-Ap '64.

Neutron polarimeter. N.P. Babenko, I.O. Konstantinov. Prib.i tekh.eksp. 9 no.2:29-35 Mr-Ap '64.

Theory of unsteady diffusion of thermal neutrons in a two-layer infinite medium with cylindrical interface. A.L. Poliachenko. Izv.AN SSSR.Ser.geofiz. no.4:532-547 Ap '64.

NEUTRONS—CAPTURE

Attenuation of neutrons with energies over 1.5 Mev. in iron. V.N. Avaev, IU.A. Egorov, G.G. Moiseev. Atom.energ. 16 no.4:355-356 Ap '64.

Determining the moisture in sand from the attenuation of a fast neutron flux. V.D. Volovik and others. Atom.energ. 16 no.4:366-367 Ap '64.

NEUTRONS—EMISSION

Probability of delayed neutron emission from halogens. P.M. Aron and others. Atom.energ. 16 no.4:368-370 Ap '64.

NEUTRONS—PHYSIOLOGICAL EFFECT

Symposium on the biological effect of neutrons. Atom.energ. 16 no.4:382-384 Ap '64.

NEUTRONS—SCATTERING

Evaluation of the anticipated accuracy of measuring soil moisture by the neutron method. Kh.A. IArvela. Dokl.TSKHA no.87:111-118 '63.

NEUTRONS—SPECTRA

Spectra of slow neutrons in water with absorbents. N.I. Lalotin. Atom.energ. 16 no.5:402-407 My '64.

NEVINNOMYSSK CANAL—LANDSLIDES

Flowing slopes of the Nevinnomyssk Canal. A.G. Shlaen. Vop.geotekh. no.5:43-47 '62.

NEWSPAPER ADVERTISING see Advertising, Newspaper

NEWSPAPERS see subdivision under France; Kazakhstan; Yakutia

NEWSPRINT

Moscow. TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Improving the quality of newsprint; based on the materials of the interplant school organized by the Central and Perm Province Administrations of the Scientific Technological Society at the Solikamsk Woodpulp Combine in 1962] Uluchshenie kachestva gazetnoi bumagi; po materialam mezhzavodskoi shkoly, organizovannoi TSentral'nym i Permskim oblastnym pravleniiami NTO v 1962 g. na Solikamskom tselliulozno-bumazhnom kombinate. Moskva, 1963. 42 p. (Bumaga i tselliuloza)

[MICROFILM]

NICKEL

Stationary potentials of electrolytic nickel in sulfuric acid solutions saturated with hydrogen. R. Slizys, J. Matulis. Trudy AN Lit.SSR.Ser.B no.1:33-46 '63.

NICKEL—METALLURGY

New flow sheet for dressing lean oxidized nickel ores. A.I. Eskin, P.M. Perlov. Trudy Mekhanobr no.131:177-190 '62.

NICKEL CATALYSTS

Homogeneous catalytic hydrogenation. Part 2. V.A. Tulupov. Zhur.fiz.khim. 37 no.3:698-701 Mr '63.

Studying nickel catalysts by the magnetic induction method. D.V. Sokol'skii, I.N. Azerbaev, I.V. Kirilius. Vest.AN Kazakh.SSR 19 no.11:40-47 N '63.

Studying the hydrogenation of fractions of industrial isodecyl benzene on a nickel catalyst. V.A. Kupriianov, A.Z. Dorogochinskii, N.P. Mel'nikova. Trudy GrozNII no.15:278-293 '63.

NICKEL CATALYSTS—MAGNETIC PROPERTIES

Effect of the conditions of reduction, passivation, and sintering on the ferromagnetic properties of a deposited nickel catalyst. IU.G. Shirokov, I.P. Kirillov, V.M. Korochkin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:41-45 '64.

NICKEL-CHROMIUM ALLOYS

Diffusion and thermodynamic characteristics of nickel-chromium alloys. G.B. Fedorov, E.A. Smirnov, F.I. Zhomov. Met.i metalloved.chist.met. no.4:110-121 '63.

Study of the conditions of the electrolytic production of a nickel-chromium alloy from metal sulfate solutions in the presence of glycine. N.T. Kudriavtsev, T.E. TSupak. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:84-89 '64.

NICKEL-CHROMIUM ALLOYS—HARDENING

Hardening of a solid solution of nickel-chromium during quenching. I.N. Kidin, M.A. Shtremel', V.IU. Chizhikov. Izv.vys.ucheb.zav.; chern.met. 7 no.5:124-129 '64.

NICKEL-COPPER ALLOYS see Copper-nickel alloys

NICKEL-COPPER-BERYLLIUM ALLOYS

Anomalous X-ray scattering by microscopic single crystals in alloys. Initial stage of aging of the alloys nickel-beryllium and copper-beryllium. IU.D. Tiapkin, A.V. Gavrilova. Kristallografiia 9 no.2:213-218 Mr-Ap '64.

"Monoclinic" distortions of the cubic lattice of Ni - Be and Cu - Be alloys due to aging. IU.D. Tiapkin. Dokl.AN SSSR 154 no.3:578-581 Ja '64.

NICKEL FERRATES

Mechanism and equilibrium conditions of nickel ferrite reduction by hydrogen [with summary in English]. G.P. Popov, G.I. Chufarov. Zhur.fiz.khim. 37 no.3:586-594 Mr '63.

NICKEL IN THE BODY

Methodology of determining small quantities of nickel in biological materials. S.D. Taktakishvili. Lab.delo no.3:153-156 '64.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL ORES

Glazkovskii, A.A. [Nickel] Nikel'. Moskva, Gosgeoltekhizdat, 1963. 281 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no.20)

NICKEL ORGANIC COMPOUNDS

Nickel diethyldithiophosphate. A.I. Busev, M.I. Ivaniutin. Metod.poluch.khim.reak.i prepar. no.6:33-35 '62.

NICKEL PLATING

Electrodeposition of cobalt-nickel coating on titanium and its alloys. V.V. Bondarev, V.V. Stender. Zhur.prikl.khim. 37 no.4:784-789 Ap '64.

Electroless nickel plating of parts made from aluminum alloys. S.A. Pushkareva, T.N. Maksakova. Elek.i tepl.tiaga 7 no.12:12-13 D '63.

Nickel plating under the effect of an ultrasonic field. IU.A. Fel'dman, S.A. Shatsova, E.E. Gudkova. Zhur.prikl.khim. 37 no.4:800-806 Ap '64.

NIGERIA—ECONOMIC ASSISTANCE, AMERICAN

They make profit even on this.... K. Geivandov. Az.i Afr.seg. 7 no.5:55 My '64.

NIGERIA—FOREIGN RELATIONS—RUSSIA

Nigeria wants peace. Az.i Afr.seg. 7 no.5:37 My '64.

NIGHT SKY

Auroras and the radiation of the night sky. V.I. Krasovskii. Kosm.issl. 2 no.2:219-231 Mr-Ap '64.

NIGHTSHADE

Cytoembryological investigation of the development of the female gametophyte in the nightshade family [with summary in English]. O.E. Rybchenko. Ukr.bot.zhur. 20 no.5:33-43 '63.

NIKOLAYEV PROVINCE—ALGAE

Finding the green alga Pithophora dewensis Wittr (?) in the Ukraine [with summary in English]. D.O. Radzymovs'kyi. Ukr.bot.zhur. 20 no.5:44-47 '63.

NIKOPOL' (DNEPROPETROVSK PROVINCE)—AUDITING AND INSPECTION

Work of volunteer inspectors. E. Kryzhanovskaia. Fin.SSSR 38 no.4:51-52 Ap '64.

NIOBATES—DENSITY

Surface tension, potential, and density of molten niobates [with summary in English]. A.I. Manakov, O.A. Esin, B.M. Lepinskikh. Zhur.fiz.khim. 36 no.11:2317-2321 N '62.

NIOBIUM

Heat conductivity and electric conductivity of tantalum and niobium. N.Z. Pozdniak, K.G. Akhmetzianov. Teplofiz.vys.temp. 1 no.2:316-318 S-O '63.

NIOBIUM—INCLUSIONS

Investigating the distribution of impurities in niobium following zonal recrystallization. A.I. Evstiukhin, V.V. Nikishanov, I.V. Milov. Met.i metalloved.chist.met. no.4:69-83 '63.

NIOBIUM—METALLOGRAPHY

Electronographic and X-ray investigation of oxide films on niobium. I. Korobkov, B.N. Reviakin, Chen' Khe-min [Ch'en Ho-ming]. Met.i metalloved.chist.met. no.4:84-92 '63.

Investigating the kinetics of the oxidation of niobium iodide remelted by the electron-beam method. I.I. Korobkov, B.N. Reviakin, Chen' Khe-min [Ch'en Ho-ming]. Met.i metalloved.chist.met. no.4:93-109 '63.

NIOBIUM ALLOYS

Zhorova, L.P., G.V. Kurganov, and B.V. Fedin. [Modern niobium alloys, the technology of their production and use; review of foreign techniques] Sovremennye niobievye splavy, tekhnologiia ikh proizvodstva i primenenie; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 27 p.

[MICROFILM]

NIOBIUM-MOLYBDENUM-CHROMIUM ALLOYS see Chromium-niobium-molybdenum alloys

NIOBIUM-ZIRCONIUM ALLOYS see Zirconium-niobium alloys

NIOBIUM-ZIRCONIUM-URANIUM ALLOYS see Uranium-niobium-zirconium alloys

NISSKII, GEORGII GRIGOR'EVICH, 1903-

Georgii Nisskii, our contemporary. IUrii Khalaminskii. Sem'ia i shkola 19 no.1:33 Ja '64.

NITRATION

Nitration of manganese-iron alloys. G.Sh. Mamporiia. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:37-44 '63.

NITRIC ACID

Density of solutions of nitrogen tetroxide in concentrated nitric acid. M.M. Karavaev, V.A. Zhantalai. Zhur.prikl.khim. 37 no.4:756-760 Ap '64.

NITRITES

Physicochemical properties of solutions of the system $TlNO_2 - RbNO_2 - H_2O$ at 25°C. P.I. Protsenko, N.A. Brykova. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:3-6 '64.

NITRO COMPOUNDS

Berkman, B.E. [Industrial synthesis of aromatic nitrocompounds and amines] Promyshlennyi sintez aromaticheskikh nitrosoedinenii i aminov. Moskva, Izd-vo "Khimiia," 1964. 343 p.

International Symposium on Nitro Compounds. L.T. Eremenko. Vest.AN SSSR 34 no.2:104-105 F '64.

Kinetics of the thermal decomposition of N,N-dimethylnitroamine. B.L. Korsunskii, F.I. Dubovitskii. Dokl.AN SSSR 155 no.2:402-405 Mr '64.

Stimulating effect of some compounds on the quenching of chlorophyll fluorescence by nitro compounds. I.N. Cherniuk, I.I. Dilung. Dokl.AN SSSR 156 no.1:149-151 My '64.

NITRO GROUP—ABSORPTION SPECTRA

Effect of intermolecular and vibrational interactions on infrared absorption bands in nitrogroups. A.V. Iogansen, G.D. Litovchenko. Opt.i spektr. 16 no.4:700-702 Ap '64.

NITROGEN

Experimental study of the viscosity of helium and nitrogen. R.A. Makavetskas, V.N. Popov, N.V. TSederberg. Teplofiz.vys.temp. 1 no.2:191-197 S-O '63.

On the corpuscular theory of the structure of adsorbents. Part 4. B.G. Aristov, A.P. Karnaukhov, A.V. Kiselev. Zhur.fiz.khim. 36 no.11:2486-2490 N '62.

Physical chemistry of concentrated ozone. Part 9 [with summary in English]. B.V. Strakhov, V.P. Lebedev, N.I. Kobozev. Zhur.fiz.khim. 36 no.11:2388-2392 N '62.

Reactions of nitrogen atoms. Report No.2: Rate constant and the mechanism of the elementary reaction of nitrogen atoms with ethylene. L.I. Avramenko, V.M. Krasnen'kov. Izv.AN SSSR.Ser.khim. no.4:600-604 Ap '64.

NITROGEN—FIXATION

Nitrogen fixation in blue-green algae. E.A. Shtina. Usp.sovr.biol. 56 no.2:264-209 S-O '63.

NITROGEN AS FEED

Theory and practice of the use of nonprotein nitrogen compounds in feeding farm ruminants. I.K. Slesarau, [illegible] H.I. Kvitalkouski. Vestsi AN BSSR. [illegible] 1:63-74 '64.

NITROGEN COMPOUNDS—PHYSIOLOGICAL EFFECT

[illegible] synthetic nitrogen compounds on the [illegible]. V.P. Kel'man, G.I. Vilesov. [illegible] no.3:39-42 Mr '64.

NITROGEN FERTILIZERS

[illegible] fertilizers. P.V. Turchin, V.I. [illegible] P.G. [illegible]. Khim.v sel'.khoz. 2 no.2:6-[illegible]

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN IN THE BODY

[illegible] of the blood serum in lead poisoning. [illegible], A.I. M[illegible]. Nauch.trudy Riaz. [illegible]

[illegible] oxygen and its relation to total nitrogen in urine in [illegible] infection. I.B. Fridliand, A.N. Alad'ina. [illegible] Iar.med.inst. no.20:93-107 '59.

NITROGEN ISOTOPES

Determination of nitrogen in steels by the method of [illegible]. V.V. Fedorov, G.S. Lazeeva, [illegible]. Zav.lab. 30 no.5:545-549 '64.

NITROGEN METABOLISM

Ammonia-glutamic acid-glutamine system in the rat brain during the development of extracerebral malignant neoplasms [with summary in English]. A.V. Rogoznaia. Ukr.biokhim.zhur. 35 no.5:709-712 '63.

Effect of [illegible] chloride on various indices of nitrogen metabolism in skeletal muscle [with summary in English]. H.IA. K[illegible]. Ukr.biokhim.zhur. 35 no.1: 43-47 '63.

NITROGEN OXIDES

Cellulose oxidized by nitrogen peroxide. Part 3: Kinetics of dissolution of polyglucuronic acid in alkalies [with summary in English]. I. Rusznak, D. Levai. Vysokom.soed. 6 no.3:551-558 Mr '64.

Density of solutions of nitrogen tetroxide in concentrated nitric acid. M.M. Karavaev, V.A. Zhantalai. Zhur. prikl.khim. 37 no.4:756-760 Ap '64.

Intratracheal nitrous oxide anesthesia in newborn infants and children [with summary in English]. V.S. Bairova, F.V. Lokotskii. Vest.khir. 90 no.5:100-104 My '63.

Radiation-chemical formation of nitric oxide in the system nitrogen - oxygen at high temperatures. M.T. Dmitriev, IU.A. [illegible]. Zhur.prikl.khim. 37 no.4:727-734 Ap '64.

Study of cellulose oxidized by nitrogen peroxide. Part 2: Effect of the accessibility and mean degree of polymerization of untreated cellulose on the degree of oxidation and solubility of the oxidized product in alkaline solution [with summary in English]. I. Rusznak. Vysokom. soed. 6 no.1:174-179 Ja '64.

NITROGEN OXIDES—TOXICOLOGY

Effect of nitrogen dioxide on porphyrin metabolism in white rats. P.P. IAkimchuk. Nauch.trudy Riaz.med. inst. 15:[illegible] '62.

Morphological changes within the internal organs of white rats in chronic intoxication with small doses of nitrogen dioxide. P.P. IAkimchuk, I.I. Mironov. Nauch.trudy Riaz.med.inst. 15:205-210 '62.

NITROSO COMPOUNDS

Polymers with a conjugation system. Report No.56: Synthesis and study of the properties of a polymer based on bisnitrosoacetylbenzidine. A.A. Berlin, B.I. Liogon'kii, V.P. Parini. Izv.AN SSSR.Ser.khim. no.4: 706-709 Ap '64.

NIZHNE-KOLYMSK REGION (YAKUTIA)—NATIVE RACES

Ivanov, G. I. [People of the virgin snow] Liudi snezhnoi tseliny. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 40 p.

NIZHNE-KOLYMSK REGION (YAKUTIA)—REINDEER

Ivanov, G. I. [People of the virgin snow] Liudi znezhnoi tseliny. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 40 p.

NIZHNE-UVEL'SKAYA REGION—CLAY

The possibility of using Nizhne-Uvel'skaya clay for the production of sanitary-construction wares. T.Kh. Fedorova. Trudy NIIStroikeramiki no. 183-15 '62.

NIZHNIY TAGIL—CONVERTERS—DESIGN AND CONSTRUCTION

An oxygen-blown converter plant can be built faster. D.E. Kuz'menko. Prom. stroi. 41 no.12:12-16 D '63.

NOCARDIA—CULTURES AND CULTURE MEDIA

Effect of iron concentration on the flavin synthesis in Nocardia erythropolis. V.N. Shaposhnikov, T.V. Pinogenova. Dokl.AN SSSR 156 no.3:692-694 '64.

NOMOGRAPHY (MATHEMATICS)

Nomogram for calculating the coefficients of a four-point setup with arbitrarily arranged electrodes. B.A. Gaman. Geofiz.sbor. no.5:66-67 '63.

Nomograms for calculating the kinematic elements of nuclear reactions with the yield of two particles. G.N. Potetiunko. Atom.energ. 16 no.4:349-351 Ap '64.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS METALS

Kliuchanskii, G.G. [Characteristics of the commercial estimation of the resources of trace elements in nonferrous metal deposits] Osobennosti promyshlennoi otsenki zapasov rasseiannykh elementov mestorozhdenii tsvetnykh metallov. Moskva, Izd-vo "Nedra," 1964. 52 p.

Mechanism of the depressing action of carboxymethylcellulose on flotation-active silicates during the flotation of copper-nickel ores. I.I. Vaneev. Trudy Mekhanobr no.131:75-88 '62.

Removal of chlorite and sericite from sulphide concentrates. N.I. Kudriakova. Trudy Mekhanobr no.131: 202-207 '62.

Technology of cyanide-free separation of copper-zinc-pyrite ores. R.I. Sulina, L.A. Nikol'skaia. Trudy Mekhanobr no.131:138-146 '62.

NONFERROUS METALS—FOUNDING

Telis, M.IA. [Melting of nonferrous metals and alloys] Plavka tsvetnykh metallov i splavov. Moskva, "Vysshaia shkola," 1964. 318 p.

NONFERROUS METALS—METALLURGY
(see also subdivision under Kazakhstan)

Automation of technological processes in the nonferrous metallurgy. G.A. Zubkov. Mekh.i avtom.proizv. 18 no.4:1-7 Ap '64.

NONFERROUS METALS—THERMAL PROPERTIES

Guliaev, B.B., O.N. Magnitskii, and A.A. Demidova. [Castings of high-melting metals] Lit'e iz tugoplavkikh metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 291 p.

NONWAGE PAYMENTS

Public consumption funds are an economic category of the communist means of production. A.F. Kozhukhar'. Uch.zap.Kish.un.: Mezhvuz.sbor.po polit.ekon no.2: 94-106 '63.

NONWOVEN FABRICS

Manufacture of nonwoven filter materials by means of the impregnation of fibrous systems with the dispersions of high polymers. E.T. Ustinova, S.S. Voiutskii. Izv. vys.ucheb.zav.; tekh.tekst.prom. no.1:92-96 '64.

Woolen cloth type nonwoven fabrics. H.L. Hutina. Leh. prom. no.4:27-30 O-D '63.

NORADRENALINE IN THE BODY

Dynamics of catecholamines in rabbit tissues in different forms of experimental hypertension [with summary in English]. S.M. Rukavyshnykova. Ukr.biokhim.zhur. 35 no.1:48-57 '63.

NORIL'SK REGION—ORE DEPOSITS

Reaction formation in Norilsk ores and the problem of disseminated sulfide mineralization in gabbro-dolerites. V.V. Zolotukhin. Dokl.AN SSSR 154 no.3:600-603 Ja '64.

NORTH ATLANTIC TREATY ORGANIZATION

Bases sprawling the world. S. Vladimirov. Nov.vrem. 21 no.21:16-18 My '64.

Behind closed doors. IA. Viktorov. Nov.vrem. 21 no.21:8-9 My '64.

Military expenditures of the countries of NATO. E. Rozental'. Mir.ekon.i mezhdunar.otn. no.4:134-136 '64.

NORTH KAZAKHSTAN PROVINCE—INDUSTRIES

Prompted by life. M. IAkov. Part.zhizn' Kazakh. 31 [i.e. 32] no.8:37-40 Ag '62.

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DONETS VALLEY—PETROLOGY

Mineralogical composition of Quaternary sediments in the western part of the Northern Donets Basin. IU.H. Chuhunnyi. Dop.AN URSR no.2:252-256 '64.

NORTHERN HEMISPHERE—ATMOSPHERIC TEMPERATURE

Anomalies of the average monthly temperature of the air in connection with climatic fluctuations in the Northern Hemisphere. A.D. Gedeonov. Izv.AN SSSR.Ser.geog. no.2:81-93 Mr-Ap '64.

NORWAY—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

[Norwegian true stories; recollections of the struggle against fascism] Norvezhskie byli; vospominaniia o bor'be protiv fashizma. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 302 p.

NORWAY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[Norwegian true stories; recollections of the struggle against fascism] Norvezhskie byli; vospominaniia o bor'be protiv fashizma. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 302 p.

NORWAY SPRUCE—VARIETIES see subdivision under White Russia

NORWEGIAN SEA—OCEANOGRAPHY

Polar hydrogeological front in the Greenland and Norwegian Seas. A.O. Shpaikher, B.N. [illegible]. Okeanologiia 4 no.2:267-276 '64.

NOSE—ABNORMITIES AND DEFORMITIES

Mechanism of the development of a distortion of the nasal septum and the technique of operating on it [with summary in English]. A.K. Chargeishvili. Zhur.ush., nos. i gorl. bol. 23 no.6:64-67 N-D '63.

NOSE—DISEASES

Contagious viral rhinitis. R.S. Dreizin. [illegible] no.5 pt.2:187-191 '58.

Spontaneous nasal liquorrhea. E.IA. [illegible], [illegible] Leonovich. Zdrav.Bel. 9 no.6:81-82 Je '63.

Treatment of chronic hypertrophic rhinitis [illegible] special coagulating bioactive electrodes. [illegible], A.A. Kantor, S.M. Shamraevskii. Zhur.ush., nos. i gorl. bol. 23 no.6:79-80 N-D '63.

Wegener's syndrome. V.IA. Arutiunov, A. [illegible], V.A. Odinokova. Vest.derm.i ven. 37 no.[illegible] '63.

NOSE—SURGERY

Mechanism of the development of a distortion of the nasal septum and the technique of operating on it [with summary in English]. A.K. Chargeishvili. Zhur.ush., nos. i gorl. bol. 23 no.6:64-67 N-D '63.

NOTARIES

Notarial practice. Sov.iust. 28 no.8:31-[illegible]

Notarial practice. Sov.iust. 28 no.9:[illegible]

Notaries have the important task of preventing the use of forged documents in their work. A. Levi. [illegible] 28 no.8:22-24 Ap '64.

Remarks on the draft law on state notaries in the R.S.F.S.R. IU. Kalonov. Sov.iust. 28 no.[illegible] '64.

NOTIONS (MERCHANDISE)

Wholesale depot helps stores. Z. Naivel't, V. [illegible]. Sov.torg. 37 no.4:26-27 Ap '64.

NOVGOROD—TILES

A 16th-century tile from Novgorod. S.N. [illegible]. [illegible] arkheol. 8 no.2:236-241 '64.

NOVOCAINE

Anesthesia of the human skin by novocaine and [illegible] electrophoresis. A.P. Parfenov, T.I. T[illegible]. [illegible] kur., fizioter. i lech.fiz.kul't. 28 no.3:247-[illegible] '63.

Bronchopulmonary novocaine block. S.P. Sh[illegible]. Eksper.khir.i anest. 8 no.4:86-89 Jl-Ag '63.

Distribution of radioactive novocaine in the organs and tissues of an animal following its intravenous administration and in case of a lumbar block. E.N. V[illegible]va. Eksper.khir.i anest. 7 no.4:90-95 Jl-Ag '62.

Epidural novocaine block in the treatment of lumbosacral radiculitis (funiculitis). V.K. Romanov. Zhur.nevr.i psikh. 64 no.3:386-389 '64.

Novocaine block of craniocervical sympathetic ganglia in treating eye diseases. A.N. Golikov, S.T. [illegible]. Veterinariia 40 no.10:42-44 O '63.

Treatment of toxicosis during the first half of pregnancy by means of a paracervical blockade. G.V. [illegible]. Nauch.trudy Riaz.med.inst. 15:21-24 '62.

NOVOCAINE—THERAPEUTIC USE

Changes in the rabbit peritoneum under the effect of novocaine. A.A. Savinovskaia. Eksper.khir.i anest. 8 no.4:23-27 Jl-Ag '63.

Experimental basis for novocaine therapy in threatened abortion. O.V. Maslovskaia. Kaz.med.zhur. no.6: 48-50 N-D '62.

NOVOCHERKASSK—ELECTRIC LOCOMOTIVES

A continuous, operational, ... (from a planning practice in the Novocherkassk Electric Locomotive Plant). A. Rodov. Nar.khoz.Sred.Az. 1 no.3:44-47 Mr '64.

A progressive practice in continuous operation planning in the Novocherkassk Electric Locomotive Plant. O. Voitchenko. Ekon.Rad.Ukr. no.2:43-48 Mr-Ap '64.

NOVOCHERKASSK—ELECTRIC LOCOMOTIVES—PAINTING

Mechanization of painting operations in the Electric Locomotive Plant in Novocherkassk. A.M. Lukovskii, G.G. Gorelik. Lakokras.mat.i ikh prim. no.1:75-76 '64.

NOVOCHERKASSK—ELECTRIC MACHINERY INDUSTRY—MANAGEMENT

Plan, continuity and rhythm. Nar.khoz.Kazakh. 39 no.4:41-48 Ap '64.

NOVOGROZNYY (CHECHEN-INGUSH A. S. S. R.)—MOTOR FUELS

Studying the operation of a unit for the sulfuric acid alkylation of isobutane with butylenes with consecutive feeding of the contractors in the Novogroznyy Petroleum Refinery. E. G. Vol'tsova and others. Trudy GrozNII no. 15:127-136 '63.

NOVOKUYBYSHEVSK (KUYBYSHEV PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Design for the construction of a petrochemical plant. E. A. Kadysheva. Biul. stroi. tekh. 21 no. 2:48 F '64.

NOVOMOSKOVSK (TULA PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Eliminate deficiencies in construction financing faster. A. Razinkov. Fin. SSSR 38 no. 3:30-32 Mr '64.

NOVOSIBIRSK—AIR—POLLUTION

Bacterial characteristics of the atmosphere in Novosibirsk. A. I. Sidorenko. Okhr. prir. Sib. i Dal'. Vost. no. 1:146-153 '62.

NOVOSIBIRSK—OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

In the Novosibirsk Oils and Fats Combine. P. A. Melekhov. Masl.-zhir. prom. 30 no. 3:36-37 Mr '64.

NOVOSIBIRSK—TEXTILE INDUSTRY

In the communist way. I. Vladimirov. Sov. torg. 37 no. 3:20-22 Mr '64.

NOVOSIBIRSK PROVINCE—COMMUNISTS

[Communists] Kommunisty; [sbornik. Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 166 p.

NOVOSIBIRSK PROVINCE—EROSION

Soil erosion control, one of the basic measures for conservation. N. I. Petrova. Okhr. prir. Sib. i Dal'. Vost. no. 1:37-43 '62.

NOVOSIBIRSK PROVINCE—FARM MECHANIZATION

Comprehensive mechanization in developing humus deposits. V. Koz'min. Ekon. sel'khoz. 35 no. 3:79-83 Mr '64.

NOVOSIBIRSK PROVINCE—GRAIN TRADE

Ways for reducing expenses for the transportation of grain cargoes in Novosibirsk Province. A. Garmash. Muk.-elev. prom. 29 no. 10:7-9 O '63.

NOVOSIBIRSK PROVINCE—HUMUS

Comprehensive mechanization in developing humus deposits. V. Koz'min. Ekon. sel'khoz. 35 no. 3:79-83 Mr '64.

NOVOSIBIRSK PROVINCE—TUBERCULOSIS IN ANIMALS

Epidemiological importance of tuberculosis in cattle. E. I. Shutskaia. Veterinariia 40 no. 10:19-20 O '63.

NOVOSIBIRSK RESERVOIR REGION—WEEVILS

Fauna of weevils in the coastal zone of Novosibirsk Reservoir. A. I. Cherepanov, F. I. Opanasenko. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:7-23 '63.

NOVOUZENSK DISTRICT—GRAIN—ECONOMIC ASPECTS

Economics of grain production in Novouzensk District, Saratov Province [with summary in English]. A. I. Stepanov. Izv. TSKHA no. 1:169-180 '60.

NOZINAN

Treatment of psychoses with pronounced affective disorders by means of nozinan. L. S. Mstislavskaia, L. P. IAkovleva. Trudy Dush. med. inst. 61:89-106 '63.

NOZZLES

Compactness of hydraulic giant jets and selection of the optimum diameter of nozzles. V. F. Khnykin. Ugol' 39 no. 3:26-29 Mr '64.

NUCLEAR COUNTERS

Cemented spark counters. IU. T. Kiselev, V. I. Ushakov. Prib. i tekh. eksp. 9 no. 2:163-164 Mr-Ap '64.

Estimated operating precision of a background subtraction circuit. V. M. Malykhin. Prib. i tekh. eksp. 9 no. 2:167-168 Mr-Ap '64.

Exact paths of sparks along the tracks of the particle in a spark counter. V. N. Bolotov and others.

High-frequency radiation detector for classroom demonstrations. K. F. Kudu. Usp. fiz. nauk 82 no. 4:770-771 Ap '64.

Methods of separation of high-energy particles. V. A. Vagin, V. I. Kotov, I. N. Semeniushkin. Usp. fiz. nauk 82 no. 4:707-748 Ap '64.

Radiation damages in surface-barrier silicon counters irradiated by 5.5. Mev. alpha-particles. I. A. Baranov. Prib. i tekh. eksp. 9 no. 2:113-116 Mr-Ap '64.

Silicon spectrometric detectors with a wide sensitive range. O. A. Matveev, S. M. Ryvkin. Atom. energ. 16 no. 4:366-359 Ap '64.

Simple circuit of the counting unit for a slow-acting multichannel analyzer. G. D. Alkhazov and others. Prib. i tekh. eksp. 9 no. 2:69-71 Mr-Ap '64.

Study on spark counters having an extensive "memory." G. S. Akopian and others. Prib. i tekh. eksp. 9 no. 2:50-57 Mr-Ap '64.

Vacuum dispersion chamber for studying reactions between charged particles. V. I. Lamunin and others. Prib. i tekh. eksp. 9 no. 2:61-63 Mr-Ap '64.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekh. za rub. 8 no. 5 '64.

Patents. Atom. energ. 16 no. 4:392 Ap '64.

Patents. Atom. energ. 16 no. 5:469 My '64.

NUCLEAR FISSION

Afanas'eva, R. V., and others. [Production of Li^{8} in the fission of C^{12} nuclei by high-energy protons] Obrazovanie Li^{8} v rasshchepleniiakh iader C^{12} protonami vysokoi energii. Dubna, Ob''edinennyi in-t iadernykh issl., 1964. 8 p.

Angular and energy characteristics of the emission of U^{235} fission neutrons. M. V. Blinov, N. M. Kazarinov, A. N. Protopopov. Zhur. eksp. i teor. fiz. 46 no. 3:1139-1141 Mr '64.

Calculating the excitation energy of fission fragments. G. I. Babkin. Atom. energ. 16 no. 4:300-304 Ap '64.

Recoil effect on the angular correlation between fragments and charged particles emitted in the fission of uranium nuclei. IU. F. Gagarin, V. I. Ostroumov. Atom. energ. 16 no. 4:296-300 Ap '64.

Specific ionization along the tracks of U^{235} and Cm^{244} fission fragments. F. Nasyrov. Atom. energ. 16 no. 5:449-451 My '64.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Additive relations for chemical shifts in magnetic resonance spectra on F^{19} nuclei of fluophosphates and fluophosphonates. V. F. Bystrov and others. Dokl. AN SSSR 156 no. 3:637-640 '64.

Application of nuclear magnetic resonance to the study of the aging of rubbers [with summary in English]. L. P. Zalukaev, V. I. Pivnev. Vysokom. soed. 6 no. 3:538-540 Mr '64.

Magnetic relaxation of protons and deuterons in aqueous solutions of Cr^{3+} ions. R. K. Mazitov. Dokl. AN SSSR 156 no. 1:135-138 My '64.

NMR spectra of genins from glycosides of Panax ginseng C. A. Mey. A. K. Dzizenko and others. Dokl. AN SSSR 156 no. 1:92-94 My '64.

Nuclear magnetic resonance spectra of protons of ferrocene compounds and magnetic anisotropy of ferrocene. IU. IU. Samitov, R. M. Aminova. Dokl. AN SSSR 156 no. 1:142-144 My '64.

Nuclear quadrupole resonance in orpiment. I. N. Pen'kov, I. A. Safin. Dokl. AN SSSR 156 no. 1:139-141 My '64.

Relaxation and orientation of nuclei. G. R. Khutsishvili. Trudy Inst. fiz. AN Gruz. SSR 4:3-95 '56.

Study of the state of water in phosphomolybdic acid by means of nuclear magnetic resonance. V. F. Chuvaev, V. IA. Kabanov, Vikt. I. Spitsyn. Dokl. AN SSSR 155 no. 4:908-911 Ap '64.

Using the nuclear magnetic resonance method for studying the thermal aging of tire tread compounds made from natural rubbers. L. P. Zalukaev and others. Kauch. i rez. 23 no. 3:19-21 Mr '64.

NUCLEAR MODELS

Kapuscik, E., and E. Obryk. [Electromagnetic properties of baryons in a unitary symmetry model] Ob elektromagnitnykh svoistvakh barionov v modeli unitarnoi simmetrii. Dubna, Ob''edinennyi in-t iadernykh issl., 1964. 7 p.

NUCLEAR MOMENTS

Hyperfine structure of the atomic spectrum and nuclear moments in the thorium-229 isotope. V. N. Egorov. Opt. i spektr. 16 no. 4:549-554 Ap '64.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR PHYSICS
(see also subdivision under Poland)

Colloquium on Low-energy Nuclear Physics. G. D. Latyshev. Vest. AN SSSR 34 no. 1:80-81 Ja '64.

The modern physics and astronomy [with summary in English]. IA. B. Zel'dovich. Vop. kosm. 9:5-59 '63.

Session of the Nuclear Physics Department of the Academy of Sciences of the U. S. S. R. E. D. Donets. Atom. energ. 16 no. 5:459 My '64.

Spectrometric and electron physics apparatus at the exhibition by member countries of Comecon. Atom. energ. 16 no. 4:387-389 Ap '64.

Symposium on Nuclear Electronics. V. Matveev. Atom. energ. 16 no. 5:463-464 My '64.

Val'ter, A. K., and I. I. Zaliubovskii. [Nuclear physics] IAdernaia fizika. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 387 p.

NUCLEAR REACTIONS

Asymptotic relations between polarizations in crossed reactions [with summary in English]. S. M. Bilen'kii, Nguyen Van Hieu, R. M. Ryndin. Zhur. eksp. i teor. fiz. 46 no. 3:1098-1105 Mr '64.

Determining the nature of low-energy interaction between π-mesons from the reactions $p + d \rightarrow He_3 + 2\pi$ and $\pi + N \rightarrow N + 2\pi$. V. V. Anisovich, L. G. Dakhno. Zhur. eksp. i teor. fiz. 46 no. 3:1152-1155 Mr '64.

Nomograms for calculating the kinematic elements of nuclear reactions with the yield of two particles. G. N. Potetiunko. Atom. energ. 16 no. 4:349-351 Ap '64.

Nuclear reactions in iron meteorites. A. P. Vinogradov, A. K. Lavrukhina, L. D. Revina. Meteoritika no. 24:22-28 '64.

Radiochemical determination of the cross section of the Al^{27} (n, α) Na^{24} reaction at a neutron energy of 14.6 Mev. P. M. Aron and others. Atom. energ. 16 no. 4:370-372 Ap '64.

Regge poles and resonance nuclear reactions Part 1 [with summary in English]. V. S. Popov, E. I. Dolinskii. Zhur. eksp. i teor. fiz. 46 no. 3:970-984 Mr '64.

Restriction on the cross section magnitude of the reaction $e^+ + e^- \rightarrow \pi^+ + \pi^-$ due to the analyticity condition [with summary in English]. B. V. Geshkenbein, B. L. Ioffe. Zhur. eksp. i teor. fiz. 46 no. 3:902-904 Mr '64.

Vacuum dispersion chamber for studying reactions between charged particles. V. I. Lamunin and others. Prib. i tekh. eksp. 9 no. 2:61-63 Mr-Ap '64.

NUCLEAR REACTORS

Abagian, L. P., and others. [Group constants for the design of nuclear reactors] Gruppovye konstanty dlia rascheta iadernykh reaktorov. Moskva, Atomizdat, 1964. 138 p.

Calculation of unsteady heat transfer in the active zone of a heterogeneous water-moderated water-cooled boiling reactor with natural coolant circulation. I. P. Sergeev. Inzh.-fiz. zhur. 7 no. 3:57-63 Mr '64.

Design of thermal reactors with plutonium recycling. P. Ventsel'. Atom. energ. 16 no. 5:413-417 My '64.

Gamma radiation from the IRT-2000 reactor of the Academy of Sciences of the White Russian S. S. R. A. P. Bogdanov, E. I. Firsov. Atom. energ. 16 no. 4:354-355 Ap '64.

Ion-exchange apparatus for producing feed-water for a reactor. V. D. Ganzha and others. Atom. energ. 16 no. 5:456-457 My '64.

Some nonlinear problems in the theory of nuclear reactors. O. B. Moskalev. Atom. energ. 16 no. 4:304-309 Ap '64.

Some problems concerning the dynamics of pulsed reactors. V. F. Kolesov. Atom. energ. 16 no. 4:309-314 Ap '64.

Transient states of a reactor during the recharging of fuel elements. V. Bartoshek. Atom. energ. 16 no. 4:315-324 Ap '64.

Unsteady natural circulation in multistream systems of nuclear reactors. IU. E. Bagdasarov and others. Atom. energ. 16 no. 5:407-413 My '64.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: IAd. reak. no. 5 My '64.

NUCLEAR REACTORS—MATERIALS

Heat transfer in separated rod bundles during longitudinal flow of metallic sodium past the rods. V. M. Borishanskii, E. V. Firsova. Atom. energ. 16 no. 5:457-459 My '64.

NUCLEAR REACTORS—SHIELDING (RADIATION)

Study on radioactive contamination about the IRT-1000 nuclear reactor. I. T. Mishev, M. A. Radichev, T. M. Troshev. Atom. energ. 16 no. 4:344-348 Ap '64.

NUCLEAR RESEARCH

Fifteenth Session of the Scientific Council of the United Institute of Nuclear Research. V. Biriukov, R. Lebedev. Atom. energ. 16 no. 5:459-462 My '64.

NUCLEAR RESEARCH—CONGRESSES

Symposium on nuclear radio electronics held by member countries of the United Institute of Nuclear Research. A. N. Sinaev. Atom. energ. 16 no. 4:379-380 Ap '64.

NUCLEAR SHELL THEORY

Nuclear shell structure [translated from the English]. Maria Goeppert-Mayer. Usp. fiz. nauk 82 no. 4:749-768 Ap '64.

NUCLEAR SPIN

Anisotropy of the resonance curve width in yttrium garnet with rare-earth impurities. A. G. Gurevich and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:462-469 Mr '64.

Energy dependence of phase shifts in nucleon-nucleon scattering in the 23-126 Mev. energy range [with summary in English]. IU. M. Kazarinov, V. S. Kiselev, V. I. Satarov. Zhur. eksp. i teor. fiz. 46 no. 3:920-925 Mr '64.

Intensification of spin waves by parametric excitation under transient conditions. E. Schlömann. Izv. AN SSSR. Ser. fiz. 28 no. 3:454-461 Mr '64.

Interaction of particles with spins and the Regge poles [with summary in English]. M. S. Marinov. Zhur. eksp. i teor. fiz. 46 no. 3:947-962 Mr '64.

NUCLEAR SPIN (Continued)

Minimal interactions between fields with spins 0, 1/2, and 1 [with summary in English]. V.I.Ogievetskii, I.V.Polubarinov. Zhur.eksp.i teor.fiz. 46 no.3:1048-[illegible] Mr '64.

Theory of the magnetic order. T.Kaplan. Izv.AN SSSR. Ser.fiz. 28 no.3:412-417 Mr '64.

NUCLEIC ACID METABOLISM

Effect of cortisone on the metabolism of RNA and nucleotides in the liver during ontogenesis [with summary in English]. TS.M.Shereshevs'ka. Ukr. biokhim.zhur. 35 no.5:656-668 '63.

Nature of the composition and metabolism of some fractions of ribonucleic acid in the liver [with summary in English]. O.P.Chepynoha, S.P.Nad'ozhyna, R.M. Seria. Ukr.biokhim.zhur. 35 no.5:643-655 '63.

New method of determining deoxycytidine in rat urine. O.I.Tereshchenko. Lab.delo no.5:292-296 '64.

Role of a DNA-dependent synthesis of RNA in the activation of the genetic apparatus of differentiated cells in case of their enhanced physiological function. F.Z. Meerson and others. Dokl.AN SSSR 155 no.3:698-701 Mr '64.

NUCLEIC ACIDS

Barium salts of adenylic, guanylic, uridylic, and cytidylic acids. G.N.Kosheleva and others. Metod. poluch.khim.reak.i prepar. no.6:92-100 '62.

Biological synthesis of protein and the problem of heredity [with summary in English]. Zh. A. Medvedev. Izv.TSKHA no.1:103-126 '60.

Change in the nucleic acid content of a regenerating rat testicle under the influence of rabbit testicle extract. R.G.Gachechiladze, G.D.Tumanishvili. Dokl.AN SSSR 155 no.1:171-173 My '64.

Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. A.S.Antonov and others. Dokl.AN SSSR 155 no.5:1201-1204 Ap '64.

Changes in the nucleic acid content of yeasts during the various stages of their growth. S.A.Konovalov, M.IA. IAkusheva. Trudy TSNIISP no.13:10-14 '62.

Characteristics of D-RNA and R-RNA of the nucleochromosomal apparatus of the animal cell. G.P.Georgiev, O.P.Samarina, M.N.Smirnov. Dokl.AN SSSR 155 no.3:688-690 Mr '64.

Content of nucleic acids in drug-sensitive and resistant mycobacteria [with summary in English]. M.A.Chertkova, A.M.Khoma-Lemishko. Zhur.mikrobiol.,epid.i immun. 40 no.4:31-35 Ap '63.

Denaturation and fragmentation of deoxyribonucleic acid in the cells of the animal organism [with summary in English]. B.I.Hol'dshtein, V.V.Herasymova. Ukr. biokhim.zhur. 35 no.1:3-13 '63.

Effect of an agent injuring the chromosomal DNA on the development of compensatory hypertrophy of the heart. A.G.Bazardzhian, E.M.Leikina, K.K.Antipova. Dokl. AN SSSR 155 no.3:685-687 Mr '64.

Effect of antimetabolites of pyrimidine bases on the synthesis of nucleic acids. S.S.Debov. Vop.med. khim. 8 no.6:563-577 N-D '62.

Effect of gonadotropin on the state and synthesis of DNA and on the intensity of cell division in the thymus of sexually immature rats. A.A.Beketova, A.M.Kuzin. Dokl.AN SSSR 155 no.4:978-980 Ap '64

Effect of sodium gallate on the nucleic acid content of the organs of healthy and irradiated rats [with summary in English]. V.A.Baraboi, S.P.Matsui. Ukr.biokhim. zhur. 35 no.1:84-91 '63.

Genetic activity of the chemical components of the bacterial cell. P.I.Vizir. Mikrobiol.zhur. 25 no.1:52-62 '63.

Genetics of tumor cells [with summary in English]. IU.M. Olenov. Izv.AN SSSR.Ser.biol. no.2:180-200 Mr-Ap '63.

Influence of the temperature factor on the DNA and RNA content in Paramecium caudatum. N.E.Kovaleva, G.V.Selivanova. TSitologiia 5 no.3:273-278 My-Je '63.

Isolation of nucleic acids from the brain by the phenol method [with summary in English]. V.I.Kocherha, E.B.Skvyrs'ka. Ukr.biokhim.zhur. 34 no.1:40-46 '62.

Messenger ribonucleic acid in animal tissues. G.P. Georgiev. Usp.sovr.biol. 57 no.1:11-20 Ja-F '64.

Nature of ribonucleic acid in nucleoli and residual chromosomes. M.I.Lerman. Dokl.AN SSSR 155 no.4:950-952 Ap '64.

New data on the structure of nucleotide-peptides, constituents of pancreatic ribonucleic acid [with summary in English]. A.A.Bogdanov and others. Biokhimiia 27 no.6:1054-1060 N-D '62.

Nucleic acids. V.S.Gaitshoki, N.I.Razumovskaia. Vop. med.khim. 8 no.6:651-652 N-D '62.

Nucleic acids in cholera and choleralike vibriones [with summary in English]. L.M.Pustovalova. Vop.med. khim. 8 no.6:578-581 N-D '62.

Preparation and characteristics of high-polymer deoxyribonucleic acids from bacteriophages [with summary in English]. T.I.Tikhonenko. Biokhimiia 27 no.6: 1015-1022 N-D '62.

Protective effect of acridine orange in ultraviolet irradiation of the infectious DNA of 1 φ -7 bacteriophage. G.B. Zavil'gel'skii and others. Dokl.AN SSSR 155 no.4:937-939 Ap '64.

Protein substances and nucleic acids in the process of change in the dry substances of lupine seeds in germination. O.P.Bulko, A.S.Vecher. Dokl.AN BSSR 8 no.3:195-198 Mr '64.

Quantitative cytochemical determination of RNA in the nuclei of acinic cells during the normal physiological cycle of the parotid gland in rats. N.V.Nechaeva. TSitologiia 5 no.3:339-343 My-Je '63.

RNA-polymerase in Escherichia coli B cells infected with T2 phage [with summary in English]. R.B.Khesin and others. Biokhimiia 27 no.6:1092-1105 N-D '62.

RNA synthesis in the silk gland of the mulberry silkworm. V.N.Smirnov and others. Dokl.AN SSSR 155 no.4: 957-960 Ap '64.

Ribonucleic acid in the life cycle of Schizotrypanum cruzi. V.D.Kallinikova, G.I.Roskin. TSitologiia 5 no.3:303-310 My-Je '63.

Role of nucleic acids in the phenomena of plant growth. K.M.Sytnyk. Ukr.bot.zhur. 21 no.2:7-20 '64.

Second scientific conference on nucleic acids in plants. V.G.Konarev. Izv.AN SSSR.Ser.biol. no.2:331-334 Mr-Ap '63.

Sequence of nucleotides in ribonucleic acid triplets determining the incorporation of amino acids into proteins [with summary in English]. N.V.Luchnik. Biokhimiia 27 no.6:1032-1046 N-D '62.

Small-angle X-ray scattering study of the structure of molecules of native RNA. O.B.Ptitsyn, B.A.Fedorov. TSitologiia 5 no.3:352-353 My-Je '63.

Stability of functionally inhomogeneous parts of DNA in relation to ionizing radiation. G.E.Fradkin. Dokl.AN SSSR 155 no.2:457-460 Mr '64.

Synthesis of RNA during early embryonic development. K.A.Kafiani, M.IA.Timofeeva. Dokl.AN SSSR 154 no.3:721-724 Ja '64.

Transformation of the antibiotic formation in actinomycetes with the help of DNA. B.P.Matseliukh. Dokl. AN SSSR 154 no.3:710-713 Ja '64.

NUCLEIC ACIDS—OPTICAL PROPERTIES

Optical anisotropy and conformation of molecules of soluble (transfer) ribonucleic acid (S-RNA) [with summary in English]. V.N.TSvetkov and others. Vysokom. soed. 6 no.3:568-570 Mr '64.

NUCLEIC ACIDS, EFFECT OF RADIATION ON

Mechanism of DNA level reduction in tissues after the exposure of the organism to ionizing radiation. I.I. Ivanov and others. Dokl.AN SSSR 155 no.3:683-684 Mr '64.

NUCLEONS—SCATTERING

Energy dependence of phase shifts in nucleon-nucleon scattering in the 23-126 Mev. energy range [with summary in English]. IU.M.Kazarinov, V.S.Kiselev, V.I. Satarov. Zhur.eksp.i teor.fiz. 46 no.3:920-925 Mr '64.

NUCLEOPROTEINS

Cytochemical characteristics of ribonucleoproteids and the deoxyribonucleoproteid complex in the nucleolus of nerve cells. A.L.Shabadash, T.I.Zelikina, N.D. Agracheva. Dokl.AN SSSR 155 no.2:445-447 Mr '64.

NUCLEOSIDES

Isolation of pyrimidine deoxyribonucleosides and the production of their aminoacyl derivatives [with summary in English]. N.I.Sokolova and others. Biokhimiia 27 no.6:1079-1084 N-D '62.

NUCLEOTIDES

Barium salts of adenylic, guanylic, uridylic, and cytidylic acids. G.N.Kosheleva and others. Metod. poluch.khim.reak.i prepar. no.6:92-100 '62.

Effect of vitamin A on the content of pyridine nucleotides, pyruvic and lactic acids and on anaerobic phosphorylation in animal tissues [with summary in English]. K.M. Leuts'kyi, V.O.Lyvke. Ukr.biokhim.zhur. 35 no.1: 19-24 '63.

New data on the structure of nucleotide-peptides, constituents of pancreatic ribonucleic acid [with summary in English]. A.A.Bogdanov and others. Biokhimiia 27 no.6:1054-1060 N-D '62.

NUMBERS, THEORY OF

Coexistence of cycles of continuous mapping of a straight line into itself [with summary in English]. A.N. Sharkovskii. Ukr.mat.zhur. 16 no.1:61-71 '64.

Number-theoretical basis of the probability theory of numbers. M.B.Barban, A.I.Vinogradov. Dokl.AN SSSR 154 no.3:495-496 Ja '64.

NURSERY SCHOOLS see subdivision under Ukraine

NURSERY STOCK

Fumigation of nursery stock. V.G.Zaets. Zashch.rast. ot vred.i bol. 9 no.4:46-47 '64.

Growing healthy tomato and cucumber seedlings. M.Z. Blinchevskii. Zashch.rast.ot vred.i bol. 9 no.4: 36-37 '64.

NURSES AND NURSING
(see also subdivision under Ashkhabad)

Duties of a nurse in the department of infectious diseases. N.A.Kosarikhina. Zdrav.Turk. 8 no.1:[illegible] Ja '64.

NUTRITION

Effect of manganese on the vitamin B_1 requirement of animals [with summary in English]. Z.Zh.[illegible] Vop. pit. 21 no.6:49-52 N-D '62.

Role of the alimentary factor in the etiology of [illegible] diseases of the liver [with summaries in Tajik and English]. V.A.Serebriakov. Trudy Inst.krayev.[illegible] AN Tadzh.SSR no.1:208-216 '62.

NUTRITION SURVEYS
(see also subdivision under Arctic regions; Russia, Northern)

Role of new technology and food recipes in planning [illegible] vitamin C supply for the population [with summary in English]. F.Ballo, M.Kisel. Vop.pit. 21 [illegible] N-D '62.

NYLON
(see also subdivision under United States)

Autoclave with induction heating for making parts from capron. V.N.Kestel'man, V.P.Ivashkevich. Mashinostroenie no.2:30-32 Mr-Ap '64.

Colored capron fibers. A.N.Bykov and others. Khim.volok. no.2:41-43 '64.

Effect of thermal stabilizers on the structure of capron fibers. V.A.Berestnev and others. Khim.volok. no.2:35-41 '64.

Formation of the curves of yield in elution analysis. T.V.Gorenko, L.N.Naumova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:146-152 '64.

Photochemical graft copolymerization of methyl methacrylate to capron fiber [with summary in English]. K.A.[illegible] and others. Dop.AN URSR no.2:234-236 '64.

Research in the field of the utilization of capron in the manufacture of food machinery. V.N.Kestel'man. Izv.vys.ucheb.zav.; pishch.tekh. no.3:75-78 '64.

Use of nylon filaments in the manufacture of blended cotton-nylon yarn. O.G.Kohan. Leh.prom. no.4:[illegible] O-D '63.

OAK
(see also subdivision under Gagra region, Georgia; Gorki Leninskiye; White Russia)

Accretion of roots in oak. T.L.Ivanovskaia. Agrobiologiia no.5:760-762 S-O '63.

Growth and marketability of seeded oak plantations. [illegible] Moiseenko. Les.khoz. 17 no.4:34-38 Ap '64.

OAK—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the growth of oak. A.[illegible] Molchanov. Les.khoz. 17 no.4:17-21 Ap '64.

OATS—DISEASES AND PESTS see subdivision under Krasnoyarsk Territory

OATS—VARIETIES

New oat variety for green forage. G.F.Nikitenko. Zemledelie 26 no.4:75 Ap '64.

OAZIS STATION, ANTARCTICA—THERMOMETRY

Use of a calorimeter in measuring heat flows at Oazis Station. S.A.Smirnov. Trudy GGO no.112:109-[illegible] '63.

OB' PLATEAU—SNOW

Firns in the Ob' Plateau. IA.IA.Domshin. Izv.Alt.otd. Geog.ob-va SSSR no.1:47-51 '61.

OB' VALLEY—BITING MIDGES

Fauna of biting midges in the Ob' Valley. A.G.Mirzaeva. Trudy Biol.inst.Sib.otd.AN SSSR no.10:82-88 '63.

OB' VALLEY—IRON AGE

Steppe features in Iron Age cultures of the forest zone of the Ob' Valley. M.F.Kosarev. Sov.arkheol. 8 no.2:211-213 '64.

OB' VALLEY—MOSQUITOES

Fauna of bloodsucking mosquitoes (Diptera, Culicidae) in the lower Ob' Valley. P.E.Poliakova. Trudy Biol. inst.Sib.otd.AN SSSR no.10:97-101 '63.

OB' VALLEY—PETROLEUM—ANALYSIS

Composition of the crudes of the northern Ob' Valley. V.F.Nikonov. Geol.nefti i gaza 8 no.1:20-23 Ja '64.

OB' VALLEY—PETROLEUM GEOLOGY

Megion oil field and the prospects for finding oil and gas in the Lower Vartovskiy arch. N.F.Beresnev, L.I. Rovnin. Geol.nefti i gaza 8 no.1:6-12 Ja '64.

Oil fields in the middle Ob' Valley. G.V.Bagirian, A.S. Kuznetsov. Neftegaz.geol.i geofiz. no.3:10-13 '64.

OB' VALLEY—POTTERY, PRIMITIVE

Steppe features in Iron Age cultures of the forest zone of the Ob' Valley. M.F.Kosarev. Sov.arkheol. 8 no.2:211-213 '64.

OB' VALLEY—UGRIANS—DWELLINGS

Materials on dwellings, [illegible] and buildings for worship of the Ugrians in the Ob' Valley. [illegible] Trudy Inst. etn. [illegible] '64.

OBITUARIES

[illegible] V. V. [illegible], I. D. [illegible]. Izv. AN SSSR. Ser. geol. 29 no.1:112-114 Ja '64.

OBORIN, LEV NIKOLAEVICH, 1907

Khentova, S. M. Lev Oborin. Leningrad, Muzyka, 1964. 201 p.

OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956

On the [illegible] anniversary of V. A. Obruchev's birth [illegible] My-Ap '64.

OBSHCHIY SYRT—OIL SHALES

[illegible]

OBSTETRICS see subdivision under [illegible] District; Ukraine

OBSTETRICS—CONGRESSES

[illegible] anniversary of the [illegible] Congress of Obstetricians [illegible]

OBUKHOV, MIKHAIL MIKHAILOVICH

The fate of the family in the fate of the generation. [illegible]

OCCLUSION (CHEMISTRY)

[illegible]

[illegible]

OCCUPATIONAL DISEASES

[illegible]

[illegible]

OCCUPATIONAL THERAPY

[illegible] [Principles and methods of occupational therapy for mental patients] [illegible] Moskva, Meditsina, 1964. [illegible] p. [illegible]

[illegible]

OCEAN

[illegible]

OCEAN BOTTOM see subdivision under Indian Ocean; Pacific Ocean

OCEAN CURRENTS see subdivision under Atlantic Ocean

OCEAN TEMPERATURE

[illegible]

OCEANOGRAPHIC INSTRUMENTS

[illegible] Okeanologiia 4 no.[illegible] '64.

[illegible] Okeanologiia 4 no.[illegible] '64.

[illegible] Okeanologiia 4 no.[illegible] '64.

Measurements of the [illegible] Okeanologiia 4 no.[illegible] '64.

Possibility of using the [illegible] method for [illegible] Okeanologiia 4 no.[illegible] '64.

[illegible]

OCEANOGRAPHIC RESEARCH
(see also subdivision under Red Sea)

Seminar on the standardization of methods for the determination of primary production, held by the Institute of Oceanology of the Academy of Sciences of the U.S.S.R. at the Black Sea Oceanological Research Station from July 13 to August 15, 1963. [illegible] Okeanologiia 4 no.[illegible] '64.

OCEANOGRAPHIC RESEARCH SHIPS
(see also subdivision under United States)

Selecting the type of an oceanographic research ship. [illegible] Okeanologiia 4 no.[illegible] '64.

OCEANOGRAPHIC RESEARCH STATIONS see subdivision under Sevastopol

OCEANOGRAPHY
(see also subdivision under Alasheyev Bight; Atlantic Ocean; Azov, Sea of; Black Sea; Caspian Sea; Greenland Sea; Norwegian Sea)

Akademiia nauk SSSR. Okeanograficheskaia komissiia. [Radioactive contamination of seas and oceans] Radioaktivnaia zagriaznenie morei i okeanov. Moskva, Izd-vo "Nauka," 1964. 223 p.

Classification of [illegible] Izv. AN SSSR. Ser. geogr. no.[illegible] Ap '64.

Measurement of [illegible] radioactivity values using field [illegible] Okeanologiia 4 no.[illegible] '64.

Natural radioactivity of ocean water. [illegible] Popov. Okeanologiia 4 no.[illegible] '64.

ODESSA—AIR—MICROBIOLOGY

[illegible]

ODESSA—BAKERIES

[illegible]

ODESSA—CONSERVATORY OF MUSIC

[illegible]

ODESSA—FISHERIES AND FISHING

[illegible]

ODESSA—MACHINERY INDUSTRY

[illegible]

ODESSA, BATTLE OF, 1941

[illegible] [73 heroic days, a short history of the defense of Odessa] 73 geroicheskikh dnei; [illegible] Moskva, Izd-vo "Nauka," 1964. 101 p. (Nauchno-populiarnaia seriia)

ODESSA, BATTLE OF, 1944

[illegible]

[illegible]

ODESSA PROVINCE—FERTILIZERS AND MANURES

[illegible]

ODESSA PROVINCE—RURAL CONSTRUCTION

[illegible]

ODESSA PROVINCE—STATE FARMS—DESIGN AND CONSTRUCTION

[illegible]

ODESSA REGION—FOUNDRIES

[illegible]

ODESSA UNIVERSITY

[illegible]

OFFENSES AGAINST SOCIALIST PROPERTY
(see also subdivision under [illegible])

[illegible] [The concept of taking government or public property by stealing, or embezzlement, or by the abuse of official authority, under Soviet criminal law] [illegible] Izd-vo "[illegible]," 1963. 11 p.
[MICROFILM]

Let us effectively struggle against the pilfering of grain. [illegible] Sots. zakon. [illegible] no.[illegible] '64.

OFFENSES AGAINST THE PERSON

[illegible], P. A. [Liability for bodily injuries under Soviet criminal law] Otvetstvennost' za telesnye povrezhdeniia po sovetskomu ugolovnomu pravu. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 137 p.

OFFICE EQUIPMENT AND SUPPLIES

Mechanization of design and drawing work. T. A. [illegible]. Mekh. i avtom. proizv. 18 no.5:[illegible] My '64.

OGAREV, NIKOLAI PLATONOVICH, 1813-1877

N. P. Ogarev, on the 150th anniversary of his birth. Vest AN SSSR 34 no.2:[illegible] F '64.

N. P. Ogarev's philosophy and his place in the history of Russian revolutionary thought. M. I. [illegible]. Vop. filos. 18 no.4:114-125 '64.

OIL BURNERS

Gas formation in jet burner combustion chambers. [illegible] Izv. vys. ucheb. zav.; chern. met. 7 no.[illegible] '64.

OIL FIELD BRINES
(see also subdivision under Caucasus; Caucasus, Northern; Kyurovdag Oil Field; Mishovdag Oil Field; Neftechala Oil Field; Peschanyy-More Oil Field)

Bibliography. Geol. nefti i gaza 8 no.1:[illegible] Ja '64.

Investigation of certain corrosion inhibitors used in petroleum production equipment. V. A. [illegible], V. P. [illegible] Izv. vys. ucheb. zav.; neft' i gaz 7 no.[illegible] '64.

Recent developments in controlling salt sedimentation in oil wells. D. M. Agalarov. Neftepromysl. delo no.[illegible] '64.

Using hydraulic prospecting in studying the geology of oil fields. [illegible] Sov. geol. 7 no.[illegible] Ap '64.

OIL FIELD BRINES—CLASSIFICATION see subdivision under Apsheron Peninsula

OIL FIELD FLOODING
(see also subdivision under Bashkiria; Chapayevsk region; Romashkino Oil Field; Shkapovo Oil Field)

Calculating the intrusion of water into a gas pool with constant gas saturation of the flood zone. A. I. [illegible]. Gaz. delo no.[illegible] '64.

Efficient method for investigating injection wells. [illegible] Neftepromysl. delo no.[illegible] '64.

Equipment for injecting steam into reservoirs. Neftepromysl. delo no.[illegible] '64.

Investigating the effect of [illegible] heated vapor on the oil yield. A. A. [illegible] Neft. khoz. 42 no.[illegible] '64.

[illegible]

[illegible]

Permissible degree of flooding before [illegible] of wells [illegible] Neft. khoz. 42 no.[illegible] '64.

Possibilities of injecting hot water into a well. [illegible] Neftepromysl. delo no.[illegible] '64.

Quality of the waters injected into productive horizons. [illegible] Neft. khoz. 42 no.[illegible] '64.

[illegible]

OIL FIELDS—EQUIPMENT AND SUPPLIES

Moscow. Tsentral'noe biuro promyshlennykh normativov po trudu. [Standards for servicing equipment and quantity norms for workers in mechanized fields] Normy obsluzhivaniia oborudovaniia i normativy chislennosti rabochikh dlia mekhanizirovannykh promyslov. Moskva, Izd-vo "Nedra," 1964. 62 p.

OIL FIELDS—MODELS

[illegible]

OIL FIELDS—THERMODYNAMICS see subdivision under Checheno-Ingush A.S.S.R.

OIL HYDRAULIC MACHINERY

Automatic control of [illegible] Mekh. i avtom. proizv. 18 no.4:[illegible] Ap '64.

Design of hydraulic thrust supports. G. P. [illegible] Mashinostroenie no.2:[illegible] Mr-Ap '64.

OIL INDUSTRIES
(see also subdivision under Chernovtsy; Erivan; Kazan; Lvov)

We exceed another milestone. [illegible] no.[illegible] Mr '64.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES see subdivision under [illegible]

OIL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Chimkent

OIL POLLUTION OF RIVERS, HARBORS, ETC. see subdivision under Caspian Sea

OIL RESERVOIR ENGINEERING
(see also subdivision under Orenburg Province; Tatar A.S.S.R.)

Calculating the gas factor and evaluating the permeability ratio of oil to gas in rocks on the basis of field data. I. I. [illegible]. Nauch.-tekh. sbor. po dob. nefti no.[illegible] '64.

OIL RESERVOIR ENGINEERING (Continued)

Calculating the initial oil reserves in water drive reservoirs using their elastic characteristics. V.M.Dobrynin. Geol.nefti i gaza 8 no.1:57-61 Ja '64.

Certain results of thermodynamic investigations of the formation of oil and gas pools. A.A. Ali-zade and others. Neft.khoz. 42 no.5:30-35 My '64.

Coefficients of volumetric elasticity and elastic capacity of pools with fractured reservoir rocks. V.N.Maidebor, IU.Kh.[illegible], L.G.Nakaznaia. Neft.khoz. 42 no.1: [illegible] Ja '64.

Determination of reservoir parameters based on well data obtained by the use of a tester. G.V.Shcherbakov. Nauch.-tekh.sbor.po dob.nefti no.21:67-72 '63.

Determining oil saturation and phase permeabilities from data on nonsteady nonuniform fluid flow. V.A. [illegible]. Nauch.-tekh.sbor.po dob.nefti no.21:72-77 '63.

Determining the petroleum yield of fractured reservoir rocks. D.Sh.Bezirov, A.G.Kovalev, A.A.Kocheshkov. Nauch.-tekh.sbor.po dob.nefti no.21:42-47 '63.

Determining the reservoir parameters for a nonsteady elastic fluid flow to the well bottom. A.A.Bokserman, F.A.Zazovskii, S.G.Kamenetskii. Nauch.-tekh.sbor. po dob.nefti no.21:37-42 '63.

Effect of the relationship between the viscosities of the displaced and displacing fluids on the conformance factor in a pattern system of oil-field development. L.G. Kogan, V.P.Karpov. Nauch.-tekh.sbor.po dob.nefti no.21:43-50 '63.

Equation of nonuniform flow considered as a certain probability process in fluid displacement. V.P.Pilatovskii. Nauch.-tekh.sbor.po dob.nefti no.21:25-30 '63.

Exact numerical solution of a self-modeling problem of bubble-point oil movement in a semi-infinite linear reservoir. N.G.Egorov, M.D.Rozenberg. Nauch.-tekh.sbor.po dob.nefti no.21:10-25 '63.

Experimental investigation of the oil yield and phase permeabilities in water drive in a porous media. I.B. Bartaev. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:47-50 '64.

Formation of water-oil interface in an oil pool. V.A. Koshliak, I.A.IAkupov. Neftegaz.geol.i geofiz. no.5: 52-57 '63.

Investigating heating of the well-bottom zone in the presence of fluid inflow. A.B.Sheinman, G.E.Malofeev, A.I.Sergeev. Neft.khoz. 42 no.1:37-42 Ja '64.

Method for determining the reservoir pressure in wells that produce gas, condensate, and oil. K.V.Pokrovskii, M.S.Razamat. Izv.vys.uch.zav.; neft' i gaz 5 no.9: 45-50 '62.

Partial case of fluid flow in a reservoir with a slightly permeable roof (bottom). E.S.Babich, A.M.Pirverdian. Izv.vys.uch.zav.; neft' i gaz 5 no.9:89-92 '62.

Possibility of determining the porosity of reservoir rocks from the results of hydrodynamic investigations of wells. I.D.IAkunin. Nauch.-tekh.sbor.po dob.nefti no.21: 51-53 '63.

Precise solution of a problem on the output of a well in a nonuniform bed. S.D.Osiatinskii, V.A.IUrisov. Izv. vys.ucheb.zav.; neft' i gaz 7 no.4:75-77 '64.

Predicting the temperature of deep reservoirs. V.I. Motiakov, N.I.Shapirovskii. Azerb.neft.khoz. 43 no.4:10-11 Ap '64.

Problems related to processing the data used in calculating reservoir discontinuity. IU.P.Borisov, Z.K. Riabinina. Nauch.-tekh.sbor.po dob.nefti no.21:77-84 '63.

Simplifying calculations of reservoir pressure in the operation of a circular line in an elastic drive. V.N. Shchelkachev, V.E.Vliushin. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:81-85 '63.

Taking into consideration the reservoir nonuniformity in problems of oil, gas, and water flow. B.B.Lapuk, S.N.Zakirov. Neft.khoz. 42 no.5:49-54 My '64.

Use of FR-12 synthetic resin for exclusion operations in oil wells. V.A.Blazhevich, E.N.Umrikhina, N.P. Makhmutov. Nefteprom.delo no.10:24-27 '63.

Use of tracers to determine the nature of the forward motion of a working agent in a reservoir. R.E.Jenkins, E.H.Koepf. Nefteprom.delo no.10:44-46 '63.

Volumetric elasticity of bubble-point oil. V.F.Sheratniakov, A.A.Bokserman. Nauch.-tekh.sbor.po dob.nefti no.21:30-33 '63.

OIL SANDS see subdivision under Siberian Platform

OIL SANDS—ANALYSIS see subdivision under Bashkiria

OIL SHALES

(see also subdivision under Baltic Sea region; Estonia; Obshchiy Syrt; Volga Valley)

Conference on the further improvement and automatic control of shale gas generators. V.M.Efimov. Khim. i tekh.gor.slan.i prod.ikh perer. no.10:314-317 '62.

Defarring the phenol waste waters from thermal processing of oil shales by pressure flotation. L.E.Volkov, L.I.Shmidt. Trudy VNIIT no.11:284-288 '62.

Determining the organic mass and calorific value of the semicoke from the heat refining of shale fine by the solid heat-transfer agent method. IU.V.Aronovich. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:285-289 '62.

Eesti NSV Teaduste Akadeemia. Keemia Instituut. [Synthetic detergents from shale oil] Sinteticheskie moiushchie veshchestva iz slantsevoi smoly. [By] Kh.IU.Voore i dr. Tallin, Estgosizdat, 1964. 257 p.

Effect of the depth of decomposition of oil shale on the composition and properties of chamber tar and gasoline. R.N.Shapiro. Trudy VNIIT no.11:43-55 '62.

Increasing the yield and heating capacity of shale producer gas. E.S.Bezmozgin and others. Trudy VNIIT no.11: 97-101 '62.

Investigating the composition of inorganic chloride compounds in the products of the semicoking of oil shale in gas generators. I.Husse, R.E.Metsik, L.IU. Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:264-277 '62.

Investigating the mechanical enrichment of oil shales in the first shale-enrichment plant. M.V.Mikhailenko. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:102-110 '62.

Investigating the process of the formation of calcium chloride in the tar and tar water from the semicoking of oil shale in gas generators. I.Hüsse, R.Metsik, L.Metsik. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:257-263 '62.

Investigating the segregation of fuel and the distribution of gas flows on a cold model of a highly productive shale gas generator. M.M.Barshevskii, E.S.Bezmozgin, R.N.Shapiro. Trudy VNIIT no.11:63-72 '62.

Mineral wool from waste products of the oil shale industry. Z.I.Volkova, S.N.Ivanova, I.M.Ozerov. Trudy VNIIT no.11:211-217 '62.

Plant test of the gasification of shale coke with water vapor. E.S.Bezmozgin, R.N.Shapiro. Trudy VNIIT no.11:73-77 '62.

Results of plant tests of a UP-3 loading machine in shale mines. IU.Samlan. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:78-83 '62.

Shale distillation generators with transverse heat-carrier flow. V.M.Efimov, S.K.Doilov. Khim.i tekh.gor. slan.i prod.ikh perer. no.10:120-134 '62.

Temperature and pressure distribution in the separate zones of shale gas generators. E.S.Bezmozgin and others. Trudy VNIIT no.11:35-41 '62.

Temperature conditions of oil shale gas generators with a central heat carrier inlet. P.IU.Piller. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:135-139 '62.

Testing Dinas compartment kilns under conditions of intensive production. N.D.Shevkunov. Trudy VNIIT no.11:88-96 '62.

Testing the methanol method of separating a diesel fraction of shale tar. V.G.Zav'ialov, S.S.Semenov. Trudy VNIIT no.11:155-167 '62.

Using enriched oil shale as a filler in ebonite mixtures. V.IA.Shlyk and others. Trudy VNIIT no.11:28-34 '62.

Water refluxing of a steam-gas mixture of shale gas generators. IA.N.Vainshtein. Trudy VNIIT no.11:56-62 '62.

OIL SHALES—BIBLIOGRAPHY see Bibliography—Oil shales

OIL WELL CEMENTING

(see also subdivision under Volgograd Province)

Comparison of methods for processing the results of well-level tracking, classifications of absorption beds, and recommendations for their exclusion. M.S.Vinarskii. Trudy VNIING no.2:27-37 '63.

Determining the efficiency of setting accelerators for cement slurry. I.IA.Kapustin. Neft.khoz. 42 no.5: 26-29 My '64.

Evaluating the flow properties of cement slurries. I.A.Karmanov, A.I.Bulatov. Neft.khoz. 42 no.1: 19-23 Ja '64.

Excluding reservoir waters in producing wells. Neft. khoz. 42 no.5:35-39 My '64.

Mobility of plugging cements. R.Sh.Rakhimkulov, E.M. Solov'ev. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:35-39 '64.

OIL WELL DRILLING

(see also subdivision under Chechen-Ingush A.S.S.R.; Kuban; Tatar A.S.S.R.; Volgograd Province)

Determining the optimal drilling angle over the whipstock. S.G.Gozlumov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:29-33 '64.

Effect of the bit torque on drilling efficiency. M.IU. Salamov, IU.V.Sadykhov, A.B.Fradkin. Azerb.neft. khoz. 43 no.4:17-19 Ap '64.

Evaluating the work of and publicizing progressive drilling and derrick building crews. S.S.Skrotskii. Neft. khoz. 42 no.1:8-12 Ja '64.

Kuliev, S.M., N.N.Mamedov, and A.G.Mdivani. [Efficiency of drilling deep wells] Effektivnost' bureniia glubokikh skvazhin. Moskva, Izd-vo "Nedra," 1964. 122 p.

Kuvykin, A.S., G.N.Gel'fman, and E.A.Lebedev. [Using high-strength gypsum in drilling] Primenenie vysokoprochnogo gipsa v burenii. Moskva, Nedra, 1964. 122 p.

Muradov, I.M. [Practical handbook for drilling crews on the drilling of super-deep and slim wells] Prakticheskoe rukovodstvo dlia burovykh brigad pri burenii sverkhglubokikh skvazhin i skvazhin malogo diametra. Baku, Azerneshr, 1964. 69 p.

Permissible change in the azimuth and angle of [illegible] in the drilling of slant holes. IU.S.Vasil'ev, [illegible] Bronzov, N.B.Sivokhina. Neft.khoz. 41 no.12:[illegible] D '63.

"Realization" factor of fissures in analyzing the [illegible] aspect of rock disintegration in drilling. [illegible] mian. Izv.vys.ucheb.zav.; neft' i gaz [illegible] 116 '63.

Selecting wells for sand-jet perforation. [illegible] Aslanov, O.A.Sidorov. Azerb.neft.khoz. 43 [illegible] 26-28 Ap '64.

Stepwise footage of deep wells. L.I.Veksler, [illegible] rov. Trudy VNIING no.2:13-19 '63.

Using air and foam for removing sand from wells [illegible] subsequent air drilling. L.E.Kolder, [illegible] Nefteprom.delo no.3:39-40 '64.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Basic principles in the design of the working [illegible] of mechanized spiders for drilling and casing [illegible] R.P.Raigorodskii. Neft.khoz. 42 no.1:[illegible] Ja '64.

Certain problems in the operation of a drilling [illegible] Derebizov. Izv.vys.uch.zav.; neft' i gaz [illegible] '62.

Deformation in oil strings. L.S.Melik-Asl[illegible] Abbasov. Nefteprom.delo no.3:12-15 '64

Designing the liners of a packer and drilling strings operating with a formation tester. N.F.[illegible] K.I.Loshkarev. Neft.khoz. 42 no.1:23-24 Ja '64.

Effect of the parameters of drilling practices [illegible] rotation speed of a bit roller. O.D.[illegible] Simonov, E.M.Solov'ev. Izv.vys.ucheb.[illegible] gaz 7 no.4:23-27 '64.

Effect of the sand concentration on the wear of [illegible] sucker rod joints in beam wells. [illegible] IUnusov. Azerb.neft.khoz. 43 no.4:[illegible] Ap '64.

Efficient design of the rubber components of [illegible] formation testers. G.D.Sukhonosov. Trudy VNIING no.2:9-12 '63.

Efficient methods and speeds for hoisting and [illegible] strings by completely mechanized production [illegible] drilling assemblies; a topic for discussion. [illegible] Molchanov. Neft.khoz. 42 no.5:11-16 My '64.

Experimental investigation of the momentum [illegible] ties of standard and tapering three-winged bits. [illegible] Kuliev and others. Neft.khoz. 42 no.5:7-11 My '64.

Increase in frictional forces in motionless [illegible] drilling string with the well walls. M.I.[illegible] Izv.vys.uch.zav.; neft' i gaz 5 no.9:[illegible] '62.

Investigating the forces bending a drilling string [illegible] bit shifts from soft rock to hard. [illegible] vys.uch.zav.; neft' i gaz 5 no.9: '62.

Moscow. TSentral'noe biuro promyshlennykh [illegible] vov po trudu. [Standards for servicing equipment and quantity norms for workers in the drilling [illegible]] Normy obsluzhivaniia oborudovaniia i normativy [illegible] nosti rabochikh dlia kontor bureniia. Moskva, [illegible] "Nedra," 1964. 70 p.

Necessity of the use of an elastic compensator [illegible] ing shaft. S.G.Kalinin. Izv.vys.ucheb.[illegible] gaz 6 no.12:23-26 '63.

Statistical study of the lifetime of drilling equipment. M.S.Gadzhiev. Izv.vys.ucheb.zav.; neft' i gaz [illegible] no.4:95-100 '64.

Wear of the parts of hydraulic percussive equipment and a unit for testing them for durability. E.I.Tagiev and others. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:[illegible] '64.

OIL WELL DRILLING, SUBMARINE

(see also subdivision under Caspian Sea; [illegible] Island)

Brief news. Neft.khoz. 42 no.1:70-71 Ja '64.

Comrades of arms. M.Sukiiasov. Pozh.delo no.3:[illegible] Mr '64.

Simplified formula for calculating gathering networks. E.V.Kocharov. Neft.khoz. 41 no.12:45-48 D '63.

OIL WELL DRILLING FLUIDS

Determining the constant of a viscoplastic drilling fluid flow. A.M.Avanesova, T.S.IAnkelevich. Azerb.neft. khoz. 43 no.4:24-25 Ap '64.

Effect of circulating water on the well bottom zone. [illegible] Nazarov. Azerb.neft.khoz. 43 no.4:31-33 Ap '64.

Effect of drilling the mud on the reservoir bottom zone. V.A.Sidorovskii. Neft.khoz. 41 no.12:17-[illegible] D '63.

Effect of filter cake on the water yield of cement slurries. A.I.Leonidova, E.M.Solov'ev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:29-32 '63.

Eliminating circulation losses in the drilling of fractured rocks. Z.M.Shakhmaev. Neft.khoz. 42 no.1:[illegible] Ja '64.

Industrial tests of chlorolignin a new viscosity-reducing reagent for drilling muds. M.I.Lipkes and others. Trudy VNIING no.2:20-26 '63.

Investigation of the temperature conditions in drilled wells with circulating fluid. I.A.Karmanov. Neft. khoz. 41 no.12:12-17 D '63.

Some problems in water flushing. G.V.Gabuniia. Azerb. neft.khoz. 43 no.4:20-23 Ap '64.

Thermal-similarity criterion in the motion of viscoplastic fluids. B.I.Esman, S.M.Kuliev. Izv.vys.ucheb. zav.; neft' i gaz 6 no.12:87-89 '63.

OIL WELL DRILLING FLUIDS—FLUID DYNAMICS

Certain problems in the flow of viscoplastic fluids. N. P. Leshchii, D. IU. Mocherniuk. Izv. vys. uch. zav.; neft' i gaz 5 no. 9:83-88 '62.

OIL WELL DRILLING RIGS

Selecting diesels for drilling rigs. V.A.Avakov, V.V. Kalashnikov, A.IA.Raikhel'. Mash. i neft. obor. no.3: 29-31 '64.

OIL WELL DRILLING RIGS—MAINTENANCE AND REPAIR see subdivision under Volgograd Province

OIL WELL LOGGING, ELECTRIC

Investigating a laterologging apparatus with a seven-electrode sonde. A.G.Mel'nikov, Sh.M.Shakhmardanov, V.T.Chukin. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4: 89-93 '64.

OIL WELL LOGGING, RADIATION

Efficient method for investigating injection wells. T.Kh. Abramian. Nefteprom.delo no. 10:23-24 '63.

Taking well conditions into consideration when interpreting gamma-logging data. IU.I.Serikov. Neftegaz.geol. i geofiz. no. 3:42-48 '64.

Theory of nuclear magnetic logging. V.I.Danevich. Izv.vys.ucheb.zav.; neft' i gaz 6 no. 12:97-102 '63.

OIL WELL PUMPS

Certain results of the investigation of deep-well pump operations. A.D.Akhundov. Izv.vys.ucheb.zav.; neft' i gaz 6 no. 12:117-119 '63.

Conditions for the nonpercussive operation of a hydraulic-piston unit with valve distribution. A.S.Virnovskii, V.R.Rozantsev. Nauch.-tekh.sbor.po dob.nefti no.21: 91-97 '63.

Graphs for the determination of the feed factors of deep-well pumps which pump live crude. N.V.Zubkov. Izv.vys.ucheb.zav.; neft' i gaz 6 no. 12:35-38 '63.

Operating sinking centrifugal electric pumps in the Petroleum Production Administration of the October Petroleum Trust. A.Kh.Sharipov, V.G.Belotserkovchenko. Nefteprom.delo no. 3:19-21 '64.

Using electric sinking pumps in petroleum production. E. F. Parker. Nefteprom.delo no. 3:31-33 '64.

Working pressure as a function of the effective head and the number of strokes in a hydraulic-piston pump for petroleum production. V.R.Rozantsev. Nauch.-tekh.sbor.po dob.nefti no. 21:97-103 '63.

OIL WELL SHOOTING

Nonuniform perforation of well filters. D.F.Shul'gin. Izv.vys.uch.zav.; neft' i gaz 5 no. 9:111-116 '62.

SKS-136 explosive shell for drilling second shafts. S.M. Gadiev, G.M.Zharkovskii, M.L.Zolin. Nefteprom.delo no. 10:31-34 '63.

OIL WELL SHOOTING—EQUIPMENT AND SUPPLIES

Efficiency of the PK-103 jet perforator. L.A.Gorbenko. Neftegaz.geol.i geofiz. no. 12:40-40 '63.

OIL WELLS—ACIDIZATION

Acid and thermal-acid treatment of heavily drained wells by the pulse method. IU.A.Balakirov, V.S.Krol'. Neft.khoz. 41 no. 12:31-36 D '63.

Using carbon dioxide in drive. L.W.Holm. Nefteprom.delo no. 3:33-35 '64.

OIL WELLS—AIR-GAS LIFT

Studying wells by injecting gas into them. F.A.Trebin and others. Neft.khoz. 42 no.1:31-37 Ja '64.

Unsteady processes in the flowing of an oil well. V.M. Entov. Izv.AN SSSR.Mekh.i mashinostr. no. 2:31-40 Mr-Ap '64.

OIL WELLS—EQUIPMENT AND SUPPLIES (see also subdivision under Azerbaijan)

Trofimova, V.M., M.L.Langleben, and IU.M.Abdullaev. [Practical guide for underground well repair crews] Prakticheskoe rukovodstvo dlia brigad podzemnogo remonta skvazhin. Baku, Azerbaidzhanskoe gos.izd-vo, 1964. 81 p.

OIL WELLS—FLUID DYNAMICS

Simplified method for selecting additional load for lowering deep well instruments into flowing wells. G.A. Mataev and others. Nefteprom.delo no. 3:17-18 '64.

OIL WELLS—HYDRAULIC FRACTURING

Acid-base hydraulic fracturing in deep wells without using a packer. L.S.Okshtein. Nefteprom.delo no. 10:28-29 '63.

Experience in the use of arkose and desert sands for sand-jet perforation. G.G.Solomatin. Nefteprom.delo no. 10:29-31 '63.

Flow distribution and head losses in casing-string filters. A.M.Pliushch. Nefteprom.delo no. 10:14-16 '63.

OIL WELLS—TESTING

Experience in the introduction of the IPG-140 hydraulic formation tester of the Grozny Petroleum Scientific Research Institute. G.G.Ganiev, A.K.Rakhimov. Nefteprom.delo no. 10:38-40 '63.

Litvinov, A.A., and A.F.Blinov. [Industrial testing of wells] Promyslovye issledovaniia skvazhin. Moskva, Izd-vo "Nedra," 1964. 234 p.

OILFEEDERS

Meters for oil distributors. V.N.Kanaev. Transp.i khran.nefti no. 11:27-32 '63.

OILS AND FATS

Effect of some admixtures contained in oils on the manufacture of glycerin. M.V.Irodov. Masl.-zhir.prom. 30 no. 3:34-36 Mr '64.

Inhibition of oxidation processes occurring in the esters of fatty acids and in fat pork under the action of γ-irradiation. V.I.Piul'skaia. Trudy VNIIMP no. 13:86-94 '62.

Substitute for tung oil in the manufacture of glyptal linoleum. N.P.Konshin. Masl.-zhir.prom. 30 no. 3:37-38 Mr '64.

OILS AND FATS—PATENTS

From the foreign patent literature. F.V.Nevolin, I.I. Grabovskii. Masl.-zhir.prom. 30 no. 3:43-45 Mr '64.

OKA RIVER—WATER—OZONIZATION

Study of the ozonization of water at the Gorkiy water supply line. P.I.Piskunov, N.V.Sokolova. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no. 6:71-76 '63.

OKAS, EVAL'D

Inspiration and talent. I.Verba. Mystetstvo 10 no. 5: 12-13 S-O '63.

OKTEMBERYAN (ARMENIA)—PORT WINE

Continuous thermal treatment of port wine material in hermetically sealed containers. N.Kazumov. Prom. Arm. 7 no. 3:33-36 Mr '64.

OLACH, TIBERIU

Singing the revolution. S.Sarkizov. Sov.muz. 27 no. 11:120-123 N '63.

OLD AGE

Basic stages in the development of Soviet gerontology. N.N.Gorev. Vest.AMN SSSR 18 no.2:54-60 '63.

OLD AGE—DISEASES see Geriatrics

OLD-AGE HOMES

Skin diseases among residents of old age homes. A.IA. Brailovskii. Vest.derm.i ven. 37 no. 4:16-19 Ap '63.

OLD-AGE PENSIONS

Ensuring the return of overpaid pensions. V.Paniugin, P.Trubnikov. Sots.zakon. 40 no. 12:25-29 D '63.

OLD BELIEVERS see subdivision under Buryat A.S.S.R.

OL'DENBURG, SERGEI FEDOROVICH, 1863-1934

A centennial of the birth of Academician S.F.Ol'denburg. S.L.Levina. Nar.Az.i Afr. no. 3:214 '64.

OLEFINS

Activity of chromium strontium silicate catalysts in the reaction of copolymerization of ethylene with α-olefins. Z.G.Zul'fugarov and others. Azerb.khim.zhur. no. 1: 117-123 '64.

Catalytic hydrocondensation of carbon monoxide with olefins and their hydropolymerization under the effect of carbon monoxide and hydrogen. Report No.37: Alkylation of cycloolefins and benzene by means of a mixture of carbon monoxide and hydrogen in the presence of a cobalt-thorium catalyst. IA.T.Eidus, B.K. Nefedov, A.V.Lobzova. Izv.AN SSSR.Ser.khim. no.4: 726-733 Ap '64.

Interaction of phosphorus pentasulfide with unsaturated hydrocarbons. A.M.Kuliev, R.K.Mamedova, K.I. Sadykhov. Azerb.khim.zhur. no. 1:17-21 '64.

OLEFINS—SPECTRA

Free valence migration in stabilized olefin radicals under the effect of light. V.T.Tupikov, S.IA.Pshezhetskii. Dokl.AN SSSR 156 no. 1:114-117 My '64.

OLEIC ACID

Mechanism of the radiomimetic effect of the oxidized oleic acid on the animal organism. E.N.Goncharenko, IU.B.Kudriashov. Nauch.dokl.vys.shkoly; biol.nauki no. 2:88-90 '64.

Possibility of an indirect effect of ionizing radiation in lipid solutions; radiolysis of β-carotene in oleic acid. IU.B.Kudriashov, Z.Baltbarzdys, Le-dak Lieu. Dokl. AN SSSR 156 no. 1:191-193 My '64.

OLEOMARGARINE

Conditions of the cooling of the fat base in margarine manufacture according to the data of the differential-thermal analysis. N.I.Kozin, E.N.Makarenko. Izv. vys.ucheb.zav.; pishch.tekh. no. 2:54-59 '64.

Polymorphic transformations in the oil mixtures for margarine production. N.I.Kozin, E.N.Makarenko. Masl.-zhir.prom. 30 no. 3:17-19 Mr '64.

OLESHNIK (TRANSCARPATHIA)—BRONZES

The Oleshnik treasures of bronze articles. S.I.Peniak, A.D.Shabalin. Sov.arkheol. 8 no. 2:193-201 '64.

OLFACTORY NERVE

Observations in vivo of the movement of hairs in olfactory cells. A.A.Bronshtein. Dokl.AN SSSR 156 no. 3: 715-718 '64.

OLIGOCHAETA

Growth and differentiation in the development of the posterior regenerate in Oligochaeta. Report No. 1: Measurement of the growth rate of the regenerate. V.B.Kasinov. Nauch.dokl.vys.shkoly; biol.nauki no. 2:15-18 '64.

OLIVE—VARIETIES

Change in the carbohydrate metabolism in the leaves of different varieties of olives during various seasons of the year. O.F.Melikova. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no. 6:77-83 '63.

OLYMPIC GAMES (WINTER)

The Winter Olympics. Sov.voin 46 no. 2:39 Ja '64.

OM' RIVER

Traces of falling water level in the Om' and the Irtysh Rivers. S.R.Laptev. Izv.Omsk.otd.Geog.ob-va no. 5:184-185 '63.

OMENTUM—SURGERY

Closure of defects of the stomach wall with polyethylene and nonisolated omentum. R.A.Chaidze. Eksper.khir. i anest. 8 no. 4:20-21 Jl-Ag '63.

OMSK—GEOGRAPHICAL SOCIETIES

Excerpt from conference minutes of the Council of the Omsk Branch of the Geographical Society of the U.S.S.R., as of February 11, 1962. Izv.Omsk.otd. Geog.ob-va no. 5:209 '63.

OMSK—SOILS

Omsk city soils and selecting trees and shrubs for its landscaping. V.V.Bernikov. Izv.Omsk.otd.Geog.ob-va no. 5:55-59 '63.

OMSK—TRANSPORTATION, AUTOMOTIVE

Veterans exchange experiences. Kh.Akchurin. Avt. transp. 42 no.5:7 My '64.

OMSK—TREES IN CITIES

Omsk city soils and selecting trees and shrubs for its landscaping. V.V.Bernikov. Izv.Omsk.otd.Geog.ob-va no. 5:55-59 '63.

OMSK PROVINCE—BEAVERS

Commercially valuable wild animals of Omsk Province. A.V.Borisov. Izv.Omsk.otd.Geog.ob-va no. 5:161-173 '63.

OMSK PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Vital concern of rural vocational schools. A.Okushko. Prof.-tekh.obr. 21 no. 4:7 Ap '64.

OMSK PROVINCE—FISHERIES

Developing fisheries on the Ik-Saltaim-Tenis Lake system. V.A.Bitekhtina, A.S.Zybin, N.I.Kniaginichev. Izv.Omsk.otd.Geog.ob-va no. 5:131-136 '63.

OMSK PROVINCE—FLOODS

Forecasting maximum floods for the small rivers of Omsk Province during the next few years. N.I.Kniaginichev. Izv.Omsk.otd.Geog.ob-va no. 5:23-30 '63.

OMSK PROVINCE—FRUIT CULTURE

Development history of school gardening in Omsk Province. G.Mukhamadeeva. Izv.Omsk.otd.Geog.ob-va no. 5:185-187 '63.

OMSK PROVINCE—GEOGRAPHICAL RESEARCH

For close ties with life. D.N.Fialkov. Izv.Omsk.otd. Geog.ob-va no. 5:3-10 '63.

OMSK PROVINCE—GEOGRAPHY

Trips through Omsk Province in 1957-1962. A.F. Palashenkov, S.R.Laptev. Izv.Omsk.otd.Geog.ob-va no. 5:187-199 '63.

OMSK PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Balneological possibilities of Omsk Province. S.R. Laptev. Izv.Omsk.otd.Geog.ob-va no. 5:31-35 '63.

OMSK PROVINCE—HISTORY

Trips through Omsk Province in 1957-1962. A.F. Palashenkov, S.R.Laptev. Izv.Omsk.otd.Geog.ob-va no. 5:187-199 '63.

OMSK PROVINCE—LAKES

Developing fisheries on the Ik-Saltaim-Tenis Lake system. V.A.Bitekhtina, A.S.Zybin, N.I.Kniaginichev. Izv.Omsk.otd.Geog.ob-va no. 5:131-136 '63.

OMSK PROVINCE—MINERAL WATERS

Some mineralized lakes in the southern part of Omsk Province. S.P.Laptev, E.K.Abrosimova. Izv.Omsk. otd.Geog.ob-va no. 5:49-54 '63.

OMSK PROVINCE—OTTERS

Commercially valuable wild animals of Omsk Province. A.V.[illegible] Izv.Omsk.otd.Geog.ob-va no.5:161-[illegible]

OMSK PROVINCE—PHENOLOGY

Brief report on the work of phenological committee. [illegible] no.5:204-209 '63.

OMSK PROVINCE—PINE

[illegible] forests of northern Omsk Province and [illegible] growing Siberian pine under forest steppe [illegible] G.I.[illegible] Izv.Omsk.otd.Geog.ob-va [illegible]

OMSK PROVINCE—RUNOFF

A[illegible] runoff on the territory of Omsk Province. V.[illegible] Izv.Omsk.otd.Geog.ob-va no.5:11-1[illegible]

OMSK REGION—LANDSCAPE GARDENING

Landscape work history in the vicinity of Omsk. V.V. [illegible] Izv.Omsk.otd.Geog.ob-va no.5:121-125 [illegible]

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref.zhur.: Ob.vop.pat.Onk. nos.10-11 My-Je '64.

ONCOLOGY, EXPERIMENTAL

[illegible] accumulation of Salmonella enteritidis in transplanted and induced tumors [with summary in English]. L.I.[illegible] Mikrobiol.zhur. 25 no.1:32-34 '63.

ONEGA LAKE REGION—HISTORICAL GEOGRAPHY,

"Historical and geographical studies of the trans-Onega Lake region of the 16th-17th centuries; from the history of rural settlements" by M.V.Vitov. Reviewed by I.P. Shaskol'skii. Izv.Vses.geog.ob-va 96 no.1:78-80 Ja-F '64.

ONEGA LAKE REGION—VILLAGES

"Historical and geographical studies of the trans-Onega Lake region of the 16th-17th centuries; from the history of rural settlements" by M.V.Vitov. Reviewed by I.P. Shaskol'skii. Izv.Vses.geog.ob-va 96 no.1:78-80 Ja-F '64.

ONIONS

Cytoplasmic male sterility of the common onion [with summary in English]. A. A. Makarov. Izv. TSKHA no.1:209-216 '60.

ONIUM COMPOUNDS—SPECTRA

Infrared spectra of diphenylhalo onium and triphenyl oxonium salts in the region 400-750 cm^{-1}. A.N.Nesmeianov and others. Izv.AN SSSR.Ser.khim. no.4: 613-618 Ap '64.

ONONIS

Ononis arvensis L., a new medicinal plant. N.P.Perepechko. Bot.zhur. 49 no.4:592-594 Ap '64.

ONTOGENY

Effect of cortisone on the metabolism of RNA and nucleotides in the liver during ontogenesis [with summary in English]. TS.M.Sheresheva'ka. Ukr. biokhim.zhur. 35 no.5:656-668 '63.

Incorporation of glycine -C^{14} in the protein of teeth and bones of rats in postnatal ontogenesis [with summary in English]. R.P.Podorozhna, V.M.Konovets'. Ukr. biokhim.zhur. 34 no.1:70-80 '62.

ONTOGENY (BOTANY)

Ontogenesis of Bongardia chrysogonum (L.) Boiss. F.V.Kagramanova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:19-27 '63.

OPARIN, ALEKSANDR IVANOVICH, 1894-

A prominent scientist in the field of biochemistry; the 70th birthday of Academician A.I.Oparin. Priroda 53 no.3:105-106 '64.

OPEN-CUT MINING see Strip mining

OPEN-HEARTH FURNACES

Gruzin, P.L., and others. [Use of radioisotopes for the control of the open-hearth process] Primenenie radioaktivnykh izotopov dlia kontrolia domennogo protsessa. Moskva, Atomizdat, 1963. 169 p.

Investigating the burner flame in an open-hearth furnace by an improved method of full radiation. A.I. Chernogolov and others. Stal' 23 no.3:276-279 Mr '64.

Investigating the convective component of heat exchange in open-hearth furnace hearths. I.B.Gol'denberg. Izv. vys.ucheb.zav.; chern.met. 7 no.5:157-163 '64.

Methods of opening up the tapping hole in open-hearth furnaces. L.V.Ostapenko. Izv.vys.ucheb.zav.; chern. met. 7 no.5:63-68 '64.

Selection of initial impulse for the continuous automatic control of thermal processes on open-hearth furnaces; concerning A.I.Chernogolov's article. A.S.Nevskii. Izv.vys.ucheb.zav.; chern.met. 7 no.4:160-163 '64.

OPEN-HEARTH FURNACES—COMBUSTION

Possibility of extremal combustion control in open-hearth furnaces. V.S.Kocho, V.I.Grankovskii, V.K.Lisitsa. Izv.vys.ucheb.zav.; chern.met. 7 no.4:151-155 '64.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Intensifying the rate of open-hearth smelting with the help of a new fuel burning device. G.I.Chernysh and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:146-150 '64.

Investigating temperature conditions of the service of charging bars. M.A.Tylkin, N.A.Zaspitskii, G.P. Mel'nichenko. Izv.vys.ucheb.zav.; chern.met. 7 no.5:184-189 '64.

OPEN-HEARTH PROCESS

Regularities of the passage of oxygen from the gaseous phase into the open-hearth bath. V.G.Antipin, A.M. Bigeev. Izv.vys.ucheb.zav.; chern.met. 7 no.5:33-39 '64.

Statistical analysis of decarburization and metal heating processes in basic open-hearth furnaces. P.A.Starkov, E.V.Abrosimov. Izv.vys.ucheb.zav.; chern.met. 7 no.5:46-52 '64.

OPEN-HEARTH PROCESS—QUALITY CONTROL

Content of ferrous oxide in slag before deoxidation and the quality of alloyed, low carbon, open-hearth steel. D.IA.Povolotskii and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:43-47 '64.

OPERA see subdivision under Kiev; Leningrad

OPERA—HISTORY AND CRITICISM

Ozerov, N.N. [Operas and singers; expressions, impressions] Opery i pevtsy; vyskazyvaniia, vpechatleniia. Moskva, Vserossiiskoe teatral'noe ob-vo, 1964. 208 p.

OPERA, WHITE RUSSIAN

White Russian operas of the 1930's on the subject of heroic events. H.H.Kuliashova. Vesti AN BSSR.Ser. hram.nav. no.1:93-102 '64.

OPERATIONAL CALCULUS see Calculus, Operational

OPERATIVE DENTISTRY see Dentistry, Operative

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Approach to the steady-state version of the abstract theory of scattering. M.Sh.Birman, S.B.Entina. Dokl.AN SSSR 155 no.3:506-508 Mr '64.

A certain class of non-self-adjoint boundary value problems. N.G.Askerov, S.G.Krein, G.I.Laptev. Dokl. AN SSSR 155 no.3:499-502 Mr '64.

Certain indications of the completeness of a system of root vectors of a linear operator and the summability of series over this system. A.S.Markus. Dokl. AN SSSR 155 no.4:753-756 Ap '64.

Computational algorithms for the approximate solution of operator equations. P.S.Bondarenko. Dop.AN URSR no.3:295-298 '64.

Criterion of the completeness of a system of root vectors of compression. I.TS.Gokhberg, M.G.Krein. Ukr.mat.zhur. 16 no.1:78-82 '64.

Density conditions for an initial manifold in the abstract Cauchy problem. IU.I.Liubich. Dokl.AN SSSR 155 no.2:262-265 Mr '64.

Eigenvectors of linear perfectly continuous operators defined in semiordered nonnormalized spaces. V.M. Brodskii. Sib.mat.zhur. 5 no.2:468-471 Mr-Ap '64.

Evaluations of integral operators in translational-invariant norms. K.K.Golovkin, V.A.Solonnikov. Trudy Mat.inst. 70:47-58 '64.

Formulation of certain inverse problems. G.I.Marchuk. Dokl.AN SSSR 156 no.3:503-506 '64.

Invariance of certain spaces related to the $A-\lambda I$ operator. M.A.Gol'dman, S.N.Krachkovskii. Dokl.AN SSSR 154 no.3:500-502 Ja '64.

Local saturation of a family of linear positive operators. R.G.Mamedov. Dokl.AN SSSR 156 no.3:499-502 '64.

Multiplicity of the spectrum of a self-adjoint ordinary differential operator. A.V.Shtraus. Dokl.AN SSSR 155 no.4:771-774 Ap '64.

Poisson's operator coefficient [with summary in English]. M.I.Rozovs'kyi. Dop.AN URSR no.2:197-199 '64.

Potential type operators in the case of sets with abstract measures. E.I.Pustyl'nik. Dokl.AN SSSR 156 no.3; 519-521 '64.

Solution of nonlinear equations by the iteration method. M.N.IAkovlev. Dokl.AN SSSR 156 no.3:522-524 '64.

Some theorems on the completeness of root subspaces of perfectly continuous operators. V.I.Matsaev. Dokl. AN SSSR 155 no.2:273-276 Mr '64.

Spectrum analysis of Schrödinger's one-dimensional operator with a periodic complex-valued potential. V.A.Tkachenko. Dokl.AN SSSR 155 no.2:289-291 Mr '64.

Theorem of existence in the large for a nonlinear system and the deficiency index of a linear operator. A.Povzner. Sib.mat.zhur. 5 no.2:377-386 Mr-Ap '64.

OPERETTA see subdivision under Leningrad

OPHTHALMIC ACID

Depsipeptide analogs of biologically active peptides. Report No.1; Synthesis of depsipeptide analogs of ophthalmic acid and glutathione. L.A.Shchukina and others. Izv.AN SSSR.Ser.khim. no.4:685-692 Ap '64.

OPHTHALMOLOGY

Case of ophthalmomyiasis caused by [illegible] L.N.Sheveleva. Zdrav.Kazakh. [illegible]

Characteristics of the bacterial carrier [illegible] mental ocular diphtheria caused by [illegible] diphtheriae in association with pathogen[illegible] No.1: Dynamics of the isolation of diphtheria [illegible] pseudo-diphtheria bacteria and diphtheroids [illegible] mary in English]. E.V.Bakulina. [illegible] opid.i immun. 40 no.4:11-16 Ap '63.

Use of ethamide, a new local anesthetic [illegible] ophthalmological practice. N.N.[illegible] nov. Nauch.trudy Riaz.med.inst. [illegible]

OPIUM ALKALOIDS

New method for the qualitative determination [illegible] alkaloids. F.M.Shemiakin, N.V.[illegible] ucheb.zav.; khim.i khim.tekh. [illegible]

OPTIC NERVE—DISEASES

Importance of the diagnosis of optic [illegible] of the brain [with summary in English]. [illegible] Drobnokhodov. Vop.neirokhir. [illegible] '63.

OPTICAL INSTRUMENTS—MAINTENANCE AND [illegible]

Makarova, T.M. [Causes for the formation of [illegible] posits on optical parts] Prichiny obrazovaniia [illegible] vykh naletov na opticheskikh detaliakh. M[illegible] Mashinostroenie, 1964. 53 p.

OPTICS, PHYSICAL

Zheenbaev, Zh.Zh., and others. [Optical [illegible] its technical application] Opticheskie [illegible] tekhnicheskoe primenenie. Frunze, Izd-vo [illegible] Kirgizskoi SSR, 1964. 69 p.

OR' VALLEY—STEPPES

Vegetation of dry steppes in the Or'-[illegible] (Southern Ural Mountains). I.S.Il'ina. [illegible] no.6:102-116 '64.

ORBELIANI, GRIGORII ZURABOVICH, [illegible]

Bogomolov, I.S. [Grigorii Orbeliani and [illegible] culture] Grigol Orbeliani i russkaia kul'tura [illegible] Izd-vo Akad. nauk Gruzinskoi SSR, 1964. [illegible]

ORBIT (EYE)

Homology of the [illegible] [illegible] Regel'. Dokl.AN SSSR 154 no.[illegible]

ORCHESTRA—COMPETITIONS

Competition... of orchestras. I.Kop[illegible] 44 no.22:33 N '62.

ORDUBAD DISTRICT—BATHOLITHS

Basic characteristics of the structural [illegible] Megri-Ordubad batholith. Sh.A.Azizbekov, [illegible] Gadzhiev. Izv.AN SSSR.Ser.geol. 29 [illegible] '64.

ORE DEPOSITS

(see also subdivision under Altai Mountains; A[illegible] Chorukh-Dayron region; Dnieper Valley; [illegible] region, Karaganda Province; Georgia; Kar[illegible] Leninabad Province; Kitchka region, Trans[illegible] Kola Peninsula; Maritime Territory; Noril'sk region; Siberia; Transbaikalia; Zyryanovsk region, Altai Mountains)

Concerning IU.M.Sheinmann, F.U.Apel'tsin, [illegible] Nechaeva's book "Alkali intrusions, their [illegible] and mineralization connected with them." [illegible] Andreev, E.I.Tverdokhleb. Izv.AN SSSR.Ser.geol. 29 no.2:108-109 F '64.

Conference on the problem "Metasomatic alteration of wall rocks and their role in ore formation." [illegible] Kashkai, V.I.Aliev. Izv.AN SSSR.Ser.geol. [illegible] 125-128 F '64.

Effect of sorption on the formation of eluvial [illegible] rock dispersion halos. I.N.Kritsuk. Zap.[illegible] no.2:26-30 '63.

Geochemical specialization of ore-forming [illegible] igneous origin in relation to mineralization [illegible] rine and boron). P.V.Komarov. Geol.rud.mestorozh. 5 no.6:51-64 N-D '63.

Paragenesis of hydrothermal deposits, their geochemical characteristics and the possible sources of mineralization. V.V.Ivanov. Trudy IMGRE no.10:3-[illegible]

Some problems of the geology of fluorine, [illegible] and iron ore deposits. D.O.Ontoev. Geol.rud. mestorozh. 5 no.6:18-33 N-D '63.

ORE DRESSING

Complex dressing of molybdenum ore. IU.I.[illegible] Trudy Mekhanobr no.131:191-195 '63.

Dressing of lead ores containing pyrrhotite, [illegible] bonates, and an insignificant quantity of zinc. [illegible] Nagaenko. Trudy Mekhanobr no.131:194-201 '63.

Effect of the duration of the mixing of surface active substances (turpentine) with quartz on speed of filtration. M.B.Barbin. Izv.vys.ucheb.zav.; gor.zhur. 6 [illegible] 208-211 '63.

Effect of the lumpiness of materials on the normal pressure ratio and the effective friction ratio along a vibrating surface. I.F.Goncharevich. Nauch.soob. IGD 22:170-184 '63.

ORE DRESSING (Continued)

Extraction of copper from "unyielding" ores using a combined ore dressing flow sheet. P.M.Perlov, A.I.Eskin, T.M.Miagkova. Trudy Mekhanobr no.131:162-176 '62.

Improving the quality of a zinc concentrate by the removal of copper and iron. L.B.Debrivnaia. Trudy Mekhanobr no.131:147-161 '62.

Intensification of the washing of Kerch Peninsula ores by the ultrasonic method. V.I.Pluzhnik. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:202-207 '63.

New flow sheet for dressing lean oxidized nickel ores. A.I.Eskin, P.M.Perlov. Trudy Mekhanobr no.131:177-190 '62.

Removal of chlorite and sericite from sulphide concentrates. N.I.Kudriakova. Trudy Mekhanobr no.131:202-207 '62.

Structural and mechanical properties of suspensions used in ore dressing practices and their effect on the nature of the motion of solids. IU.S.Badeev. Trudy Mekhanobr no.131:111-137 '62.

Studying the material composition of oxidized and mixed lead and zinc ores. A.A.Abramov. Trudy Mekhanobr no.131:237-247 '62.

ORE DRESSING—EQUIPMENT AND SUPPLIES

Putting into practice the desorption and removal of reagents process under industrial conditions. A.S.Konev. Trudy Mekhanobr no.131:248-255 '62.

Unit for continuous coarseness control of ore feeded for milling. A.A.Ivanov, A.N.Mariuta, A.V.IUrtaev. Avtom.i prib. no.1:18-20 Ja-Mr '64.

ORE DRESSING—TESTING

Calculation of the technological results of ore dressing in conducting laboratory experiments on the continuous process. T.M.Miagkova. Trudy Mekhanobr no.131:260-272 '62.

OREL—MOTORBUS LINES—STATIONS

New developments in the operations of the Orel Bus Station. I.Drozdov. Avt.transp. 42 no.5:15-16 My '64.

OREL PROVINCE—AGRICULTURAL MACHINERY

[For the overall mechanization of agricultural production] Za kompleksnuiu mekhanizatsiiu sel'skokhoziaistvennogo proizvodstva. [Orel] Orlovskoe knizhnoe izd-vo, 1960. 97 p. (V pomoshch' mekhanizatoru) [MICROFILM]

OREL PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Corn frit fly in Orel Province. M.A.Iliukhin. Uch.zap.Orlov.gos.ped.inst. 18:87-92 '63.

OREL PROVINCE—FRIT FLIES

Corn frit fly in Orel Province. M.A.Iliukhin. Uch.zap.Orlov.gos.ped.inst. 18:87-92 '63.

OREL PROVINCE—RYE—DISEASES AND PESTS

Materials on pests of the winter rye in Orel Province. G.E.Bodrenkov. Uch.zap.Orlov.gos.ped.inst. 18:39-80 '63.

OREL PROVINCE—SLUGS (ZOOLOGY)

Outbreak of mass reproduction of slugs in Orel Province in 1957. G.E.Bodrenkov. Uch.zap.Orlov.gos.ped.inst. 18:21-38 '63.

ORENBURG—INFLUENZA

Outbreak of influenza A_2 in Orenburg in the spring of 1957. A.A.Alekseeva. Vop.med.virus. no.5 pt.2:14-16 '58.

ORENBURG PROVINCE—AGRICULTURE—STUDY AND TEACHING

Only through work. I.Dulia. Nar.obr. no.4:66-69 Ap '64.

ORENBURG PROVINCE—CAMPS

Only through work. I.Dulia. Nar.obr. no.4:66-69 Ap '64.

ORENBURG PROVINCE—CHILDREN—MANAGEMENT

Province-wide conference on education. Nar.obr. no.5:125-126 My '64.

ORENBURG PROVINCE—COMMUNITY AND SCHOOL

Everybody is responsible for children. IU.Rives, M.Ognianov. Sem'ia i shkola 19 no.1:26-27 Ja '64.

ORENBURG PROVINCE—ECONOMIC POLICY

[On the fifth frontier; workers of the Orenburg region in the struggle for the seven-year plan] Na piatom rubezhe; trudiashchiesia Orenburzh'ia v bor'be za semiletku. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 87 p. (CSt-H)

ORENBURG PROVINCE—OIL RESERVOIR ENGINEERING

Developing oil pools in the carbonate reservoir rocks of the Lower Carboniferous period in the fields of Orenburg province. M.F.Svishchev. Nefteprom.delo no.3:3-6 '64.

ORENBURG PROVINCE—PETROLEUM GEOLOGY

Petroleum and gas potentials of the Ural Mountain portion of Orenburg Province. G.V.Fomina, I.A.Shpil'man, S.D.Cherepakhin. Neftegaz.geol.i geofiz. no.5:3-7 '63.

Prospects for finding oil in the Orenburg portion of the Kama-Kinel' system of troughs. V.A.Klubov, N.L.Sheshukov. Neftegaz.geol.i geofiz. no.5:8-11 '63.

ORENBURG PROVINCE—PUBLIC PROSECUTORS

Early experience and some suggestions. I.Kustov. Sots.zakon. 40 no.12:38-39 D '63.

ORENBURG PROVINCE—ROCKS, CARBONATE

Developing oil pools in the carbonate reservoir rocks of the Lower Carboniferous period in the fields of Orenburg province. M.F.Svishchev. Nefteprom.delo no.3:3-6 '64.

ORENBURG PROVINCE—SEEDS

Attention, agronomists! Prevent the damage of seeds! Zemledelie 26 no.1:57-59 Ja '64.

ORES—SAMPLING AND ESTIMATION

Effect of weakening of broadly radiating gamma rays as used for absolute measurements of volume weights of rocks and ores. V.A.Artsybashev. Zap.LGI 45 no.2:52-60 '63.

ORES—TESTING see subdivision under Armenia

ORGANIC COMPOUNDS

Adsorption and heat of adsorption of various vapors on a trimethylsilylized aerosil surface [with summary in English]. I.IU.Babkin, A.V.Kiselev. Zhur.fiz.khim. 36 no.11:2448-2456 N '62.

Coulometric microdetermination of hydrogen in organic compounds [with summary in English]. G.F.Anisimova, V.A.Klimova. Zhur.anal.khim. 18 no.3:412-413 Mr '63.

Effect of the heat conduction of thermocouple leads on the accuracy of the cryoscopic analysis of small weighed portions [with summary in English]. N.I.Liashkevich. Zhur.fiz.khim. 37 no.3:702-704 Mr '63.

Kinetics of electrochemical redox processes of some organic compounds in acetic acid at high temperatures. S.V.Gorbachov, A.M.Aboimov. Zhur.fiz.khim. 37 no.3:696-698 Mr '63.

Manganese tetraacetoacetate as oxidizer of organic compounds. V.M.Lebedeva, S.A.Zonis. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:83-92 '62.

Separation of mixtures of organic substances by a simplified method of countercurrent extraction [with summary in English]. V.M.Bashilova, N.A.Figurovskii. Zhur.anal.khim. 18 no.3:396-400 Mr '63.

ORGANIC COMPOUNDS—SPECTRA

Radioluminescence of organic substances. Part 3. S.F.Kilin, M.S.Mikhelashvili, I.M.Rozman. Opt.i spektr. 16 no.4:663-673 Ap '64.

Use of triplet-singlet transfer in studying the internal degradation of electron energy in organic molecules. V.L.Ermolaev, E.B.Sveshnikov. Opt.i spektr. 16 no.4:587-593 Ap '64.

Vibrational spectra and the structure of organic compounds. Part 9. T.V.IAkovleva, M.D.Stadnichuk, A.A.Petrov. Opt.i spektr. 16 no.4:573-576 Ap '64.

ORGANIC MATTER—ANALYSIS

Technique of the analysis of vegetable bedding assays in biochemical surveys. N.F.Maiorov. Zap.LGI 45 no.2:107-113 '63.

ORGANOMETALLIC COMPOUNDS

Bimetallic derivatives of the carbonyls of chromium, molybdenum, and tungsten. A.N.Nesmeianov and others. Dokl.AN SSSR 156 no.3:612-615 '64.

Electron interaction of allyl derivatives of elements of the IV group [with summary in English]. V.A.Kuprilevich, IU.P.IEhorov, H.H.Diadiusha. Dop.AN URSR no.4:508-510 '64.

First metallo-organic compounds with Si-Si-Hg and Si-Hg-Ge groups. N.S.Viazankin and others. Dokl.AN SSSR 155 no.5:1106-1110 Ap '64.

Formation of organometallic complexes under the participation of external metabolites of sea algae. K.M.Khailov. Dokl.AN SSSR 155 no.4:933-936 Ap '64.

Mechanism of the cyclic trimerization of acetylenes on complex organometallic catalysts. V.O.Reikhsfel'd, K.L.Makovetskii. Dokl.AN SSSR 155 no.2:414-417 Mr '64.

"Methods in heteroorganic chemistry" by S.T.Ioffe, A.N.Nesmeianov. Reviewed by G.A.Razuvaev. Vest.AN SSSR 34 no.2:142-143 F '64.

ORIENTAL LANGUAGES

Typological aspects of the oriental languages: Conference in Moscow. Z.V.Shevernina. Vest.AN SSSR 34 no.1:118-120 Ja '64.

ORIENTAL LANGUAGES—CLASSIFICATION

A conference on the typology of Oriental languages in Moscow. A.Ganiev. Obshchestv.nauki v Uz. 8 no.1:64-65 '64.

ORIENTAL LITERATURE—HISTORY AND CRITICISM

In the Coordinating Commission for Studies of Oriental Literature. V.B.Kliashtorina, A.A.Gvakhariia, O.L.Fishman. Nar.Az.i Afr. no.3:206-209 '64.

ORIENTAL STUDIES

(see also subdivision under Turkmenistan; Uzbekistan)

Akhundov, M.F. [Text of letters written in the Farsi language] Tekst pisem, napisannykh na farsidskom iazyke. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 45, 459 p. [In Azerbaijani, Russian, and Persian]

International scholarly relations of the Institute of the Peoples of Asia. V.T.Veselov. Nar.Az.i Afr. no.3:203-206 '64.

OROTIC ACID

Orotic acid and its relation to some vitamins. B.A.Lavrov. Vop.pit. 21 no.6:66-77 N-D '62.

ORPIMENT—SPECTRA

Nuclear quadrupole resonance in orpiment. I.N.Pen'kov, I.A.Safin. Dokl.AN SSSR 156 no.1:139-141 My '64.

ORSHA—RAILROAD ENGINEERING—HYGIENIC ASPECTS

Diseases of the peripheral nervous system in workers of the Orsha Locomotive Depot. O.V.Gul'tsov. Zdrav.Bel. 9 no.6:59-62 Je '63.

ORSHA DISTRICT—PASTURES AND MEADOWS

Measures for improving natural pastures and meadows of the "Orsha" Collective Farm in Orsha District. M.E.Baranova. Bot.; issl.Bel.otd.VBO no.5:154-164 '63.

ORTHODOX EASTERN CHURCH

Decisions of the Holy Synod. Zhur.Mosk.Patr. no.4:1-2 '64.

News from dioceses. Zhur.Mosk.Patr. no.4:19-21 '64.

Telegram from Archbishop Makarios to His Holiness Patriarch Aleksii. Zhur.Mosk.Patr. no.4:2 '64.

ORTHODOX EASTERN CHURCH—CLERGY

Edict on the nomination to the rank of archbishop. Zhur.Mosk.Patr. no.4:1 '64.

Obituaries. Zhur.Mosk.Patr. no.4:21 '64.

ORTHODOX EASTERN CHURCH—CONGRESSES

Second all-Orthodox conference on Rhodes Island. Archbishop Vasilii. Zhur.Mosk.Patr. no.4:32-38 '64.

ORTHODOX EASTERN CHURCH—LITURGY AND RITUAL

Ritual of the Passion service. Zhur.Mosk.Patr. no.4:56-57 '64.

ORTHODOX EASTERN CHURCH—PERIODICALS see subdivision under Rumania

ORTHODOX EASTERN CHURCH—RELATIONS

Address of Boris, Metropolitan of Kherson and Odessa, at the reception of members of the session in Odessa. Zhur.Mosk.Patr. no.4:16-17 '64.

Address of His Holiness Patriarch Aleksii at the reception of members of the session of the Executive Committee of the World Council of Churches at the Troitse-Sergieva Monastery. Zhur.Mosk.Patr. no.4:7-11 '64.

Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Moscow. Zhur.Mosk.Patr. no.4:11-14 '64.

Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Leningrad. Zhur.Mosk.Patr. no.4:14-16 '64.

Brief news. Zhur.Mosk.Patr. no.4:6 '64.

Christmas greetings from Christophorus, Patriarch of Alexandria, to His Holiness Patriarch Aleksii. Zhur.Mosk.Patr. no.4:2 '64.

Letter of thanks from His Holiness Patriarch Aleksii for congratulations received on his name day to the Editor of "Zhurnal Moskovskoi Patriarkhii. Zhur.Mosk.Patr. no.4:5 '64.

On the occasion of the death of Paul I, King of the Hellenes. Zhur.Mosk.Patr. no.4:4 '64.

Reception of Cyprus statesmen by His Holiness Patriarch Aleksii. Zhur.Mosk.Patr. no.4:2 '64.

Requiem service in memory of Paul I, King of Hellenes. Zhur.Mosk.Patr. no.4:4-5 '64.

Telegrams of thanks for the condolences on the occasion of the death of Paul I, King of Hellenes. Zhur.Mosk.Patr. no.4:5 '64.

ORTHOPEDIA

Report on the activities of the societies of traumatologists and orthopedists in May - June, 1963. A.A.Korzh. Ortop., travm.i protez. 24 no.10:86-92 O '63.

ORTHOPEDIC APPARATUS

Measuring the tonus balance of the dorsal muscles by a photoelectric cell device. V.A.Kremnev. Ortop., travm.i protez. 24 no.10:65-68 O '63.

ORTHOPEDIC APPARATUS INDUSTRY see subdivision under Daghestan; Leningrad; Voronezh

OSCILLATIONS

Excitation of oscillations in systems with delayed feedback. V.P.Guzhov. Vest.Mosk.un.Ser.3: Fiz.,astron. 19 no.2:25-31 Mr-Ap '64.

Steady-state resonance modes of certain oscillatory systems. V.M.Volosov, B.I.Morgunov. Dokl.AN SSSR 155 no.1:50-53 My '64.

OSCILLATORS, CRYSTAL

Equipment for measuring internal friction in metals. P.L.Gruzin, A.N.Semenikhin, V.I.Andreev. Met.i metalloved.chist.met. no.4:194-197 '63.

Use of piezoelectric converters in measuring meteorological elements. N.P.Fateev, V.S.Aleksandrov. Trudy GGO no.112:3-13 '63.

OSCILLATORS, TRANSISTOR

Temperature regulator based on a self-excited self-oscillator. L.IA.Mesh, D.M.Kominer, I.I.Vinshtein. Avtom.i prib. no.1:59-60 Ja-Mr '64.

OSCILLOGRAPH

Compact color tape pulse recorder. V.D.Pisarev, N.A. Panteleev. Vest.Mosk.un.Ser.3: Fiz.,astron. 19 no.2:64-66 Mr-Ap '64.

OSCILLOGRAPHY

Pulse height analysis with photographic recording on a moving film. V.S.Pantuev, M.N.Khachaturian. Atom. energ. 16 no.5:444-446 My '64.

Vascular pathology and its role in various types of course of presenile depression. L.A.Chelyshev. Zhur.nevr.i psikh. 64 no.2:245-249 '64.

OSH—HISTORY

Kasymov, G.K. [The city of Osh; a short essay on its history] Gorod Osh; kratkii istoricheskii ocherk. Osh, Oshskoe obl.otd-nie ob-va po rasprostraneniiu polit.i nauchn.znanii, 1960. 85 p.

[MICROFILM]

OSMOSIS

Osmometer with a porous glass membrane [with summary in English]. S.E.Bresler, D.P.Dobychin, A.G.Popov. Vysokom.soed. 6 no.1:22-27 Ja '64.

OSSETIA, NORTH—LAND TENURE

Khabaev, M.A. [Settlement of the land question in North Ossetia, 1918-1925] Razreshenie zemel'nogo voprosa v Severnoi Osetii, 1918-1925 gg. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 53 p.
(CSt-H)

OSSETIA, NORTH—LEAD ORES

Prospecting for lead-zinc deposits in the sedimentary rocks of North Ossetia (Northern Caucasus). R.V. Goleva. Geol.rud.mestorozh. 5 no.6:87-92 N-D '63.

OSSETIA, NORTH—SWINE—DISEASES AND PESTS

Mass poisoning of swine by Johnson grass. M.F.Koliev, F.E.Fediushin. Veterinariia 40 no.10:45-46 O '63.

OSSETIA, NORTH—ZINC ORES

Prospecting for lead-zinc deposits in the sedimentary rocks of North Ossetia (Northern Caucasus). R.V. Goleva. Geol.rud.mestorozh. 5 no.6:87-92 N-D '63.

OSSIFICATION

Calcification and osification in goiters. N.I.Pushkarev. Kaz.med.zhur. no.6:19-20 N-D '62.

Development (differentiation) of the osseous system in children living in the Far North [with summary in English]. V.IA.Belogorskii, M.P.Nemzer. Pediatriia 42 no.9:60-64 S '63.

OSTRACODA, FOSSIL see subdivision under Caucasus; Russian Platform

OTORHINOLARYNGOLOGY

(see also subdivision under Dnepropetrovsk Province)

Review of the book "Problems in clinical otorhinolaryngology"; collected works of the otorhinolaryngological Department of the Izhevsk Medical Institute. L.A. Zaritskii. Zhur.ush., nos.i gorl.bol. 23 no.6:86-87 N-D '63.

Treatment of otorhinolaryngological diseases at the Lyuben' Velikiy Health Resort. A.A.Kornienko. Zhur.ush.,nos.i gorl.bol. 23 no.6:78-79 N-D '63.

OTTERS see subdivision under Omsk Province

OUTER SPACE—EXPLORATION

Explorers of the Universe. Kryl.rod. 15 no.4:6-7 Ap '64.

OVARIES

Development of ovaries and the formation of oogenesis in mammals. G.K.Kuliev. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.6:41-51 '63.

Morphological characteristics of the ovaries of newborn lambs of the Azerbaijanian Mountain Merino, Bozakh sheep and their hybrids. G.K.Kuliev. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1:43-48 '63.

OVENS—VENTILATION

Reducing ventilation losses in the working chamber of a conveyor bakery oven. O.A.Rudenko-Gritsiuk, A.A. Mikheiev, A.T.Lisovenko. Trudy KTIPP no.27:12-19 '63.

OWLS see subdivision under Turkmenistan

OWLS—FOOD see subdivision under Moscow region

OXIDATION

Calculating the oxidation of coke on a catalyst. S.V. Adel'son, A.IA.Zaitova. Trudy BashNII NP no.6: 49-63 '63.

Continuous and periodic oxidation of liquid paraffins to produce synthetic fatty acids. P.I.Igonin and others. Trudy GrozNII no.15:303-322 '63.

Correlations in the action of inhibitors in oxidation reactions. Part 5: Kinetics of consumption of α-naphthol in the induction period [with summary in English]. B.A.Gromov, V.B.Miller, IU.A.Shliapnikov. Vysokom. soed. 6 no.3:470-472 Mr '64.

Effect of composition on the properties of copper-chromium oxide catalysts in the oxidation of carbon monoxide. M.IU.Sultanov, M.S.Belen'kii. Izv.vys.uch. zav.; neft' i gaz 5 no.9:63-69 '62.

Effect of metal oxidation on the properties of transformer steel. L.P.Ershova, M.I.Kolov, A.I.Terekhova. Stal' 23 no.3:266-269 Mr '64.

Explosionproof system for liquid-phase oxidation of toluol by atmospheric oxygen. A.I.Rozlovskii, I.IA. Borisova. Khim.prom. no.3:199-201 Mr '64.

Inhibition of oxidation processes occurring in the esters of fatty acids and in fat pork under the action of γ-irradiation. V.I.Piul'skaia. Trudy VNIIMP no.13:86-94 '62.

Initiating the oxidation of cymenes in the liquid phase. V.P.Konoplev, A.Z.Dorogochinskii, M.G.Mitrofanov. Trudy GrozNII no.15:274-277 '63.

Models of degenerate chain-branching reactions with several intermediate products [with summary in English]. E.T.Denisov. Zhur.fiz.khim. 36 no.11:2352-2361 N '62.

Nature of the esters formed during the oxidation of paraffin hydrocarbons. A.I.Il'ina. Masl.-zhir.prom. 30 no.3:22-26 Mr '64.

Oxidation of isoparaffin hydrocarbons. P.G.Igonin and others. Trudy GrozNII no.15:323-332 '63.

Oxidation of naphthenic hydrocarbons. P.G.Igonin and others. Trudy GrozNII no.15:298-302 '63.

Oxidation of potassium iodide in a field of ultrasonic waves [with summary in English]. IU.IU.Lur'e, P.F. Kandzas, A.A.Mokina. Zhur.fiz.khim. 36 no.11: 2329-2333 N '62.

Oxidizing oil shales with atmospheric oxygen. Report No.3: Oxidation of Obshchiy Syrt Shales. V.A.Proskuriakov, V.I.IAkovlev, O.I.Kurdiukov. Trudy VNIIT no.11:20-27 '62.

Photochemical oxidation of mercaptans. G.G.Chirakadze, E.M.Nanobashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:69-73 '63.

Physical methods of studying the mechanism and kinetics of phenol oxidation. A.P.Tkacheva, G.V.Kharitonova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:25-32 '62.

Possible siderite oxidation by water under conditions of regional metamorphism. IU.P.Mel'nyk. Dop.AN URSR no.3:361-365 '64.

Preparation of carboxylic acids by one-stage oxidation of polymethylbenzenes in bubble columns. V.B.Fal'kovskii and others. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:122-126 '64.

Protection of titanium carbide from oxidation in the air at 1200°. M.V.Sazonova, I.B.Ban'kovskaia. Zhur. prikl.khim. 37 no.4:773-777 Ap '64.

Study of the kinetics and mechanism of oxidation of coals. G.V.Kharitonov, V.P.Purikova, N.I.Girbasova. Izv. AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:61-70 '62.

Study of the kinetics and mechanism of oxidation of coals. V.P.Purikova, G.V.Kharitonov. Izv.AN Kir.SSR.Ser. est.i tekh.nauk 4 no.6:43-59 '62.

OXIDATION, ELECTROLYTIC

Conditions for primary film breakdown during aluminum oxidation in neutral solutions. L.Lepin', V.Kadek. Dokl.AN SSSR 155 no.4:839-842 Ap '64.

Intermediate stages of anodic oxygen evolution [with summary in English]. A.I.Krasil'shchikov. Zhur.fiz. khim. 37 no.3:531-537 Mr '63.

OXIDATION, PHYSIOLOGICAL

Change in the oxidation-reduction processes in the combination of extracorporeal blood circulation and moderate hypothermia. G.M.Kerimov, M.IA.Khodas. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:95-106 '63.

Characteristics of glycolytic oxidation-reduction in myocardial extracts [with summary in English]. S.E. Severin, L.A.TSeitlin. Vop.med.khim. 8 no.6:611-616 N-D '62.

Disorder of the oxidizing processes in whooping cough. L.N.Katalina. Vop.okh.mat.i det. 7 no.6:30-32 Je '62.

Effect of glutathione on the oxidation-reduction processes within the animal organism infected with gas gangrene. A.N.Alad'ina. Sbor.nauch.rab.IAr.med.inst. no.20: 91-97 '59.

Function of the external respiration and oxidation-reduction processes in nonspecific diseases of the lungs in the climate of the Zelenyy Mys health resort. L.P. Dzhikiia, R.K.Gogibedashvili. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:93-96 '63.

Interrelation between the disturbance of the tricarboxylic acid oxidation cycle in the animal organism and the development of diabetes like hyperglycemia [with summary in English]. H.Kh.Matsuka. Ukr.biokhim. zhur. 34 no.1:130-136 '62.

Oxidation-reduction potential in a Schizotrypanum cruzi culture [with summary in English]. N.N.Sukhareva-Nemakova. Izv.AN SSSR.Ser.biol. no.2:287-292 Mr-Ap '63.

Study of mutants with oxidation deficiency in Bacillus subtilis. G.F.Gauze, G.V.Kochetkova, M.V.Bibikova. Dokl.AN SSSR 155 no.5:1164-1167 Ap '64.

OXIDATION-REDUCTION REACTION

Changes in the oxidation-reduction potential in media during submerged culture of paratyphoid bacteria [with summary in English]. N.I.Shapiro, M.I.Dudkina, L.V.Trofimova. Zhur.mikrobiol., epid.i immun. 40 no.9:97-101 S '63.

Characteristics of glycolytic oxidation-reduction in myocardial extracts [with summary in English]. S.E. Severin, L.A.TSeitlin. Vop.med.khim. 8 no.6:611-616 N-D '62.

Concerning the possibility of controlling the content of functional groups on the surface of carbonaceous powders [with summary in English]. A.S.Fialkov, G.N. Toporov, V.D.Chekanova. Zhur.fiz.khim. 37 no.3: 566-569 Mr '63.

Contribution to the theory of oxidation-reduction equilibrium in oxides [with summary in English]. A.N. Men'. Zhur.fiz.khim. 36 no.11:2313-2316 N '62.

Effect of the redox potential on the course of reactions in solutions. Part 2. E.D.Pozhidaev, S.V.Gorbachev. Zhur.fiz.khim. 36 no.11:2512-2516 N '62.

Faraday's rectification of the contact electrolyte - semiconductor. IU.IA.Gurevich, V.A.Miamlin. Dokl.AN SSSR 155 no.5:1159-1162 Ap '64.

Kinetics and the mechanism of the reduction of manganese oxides by carbon. Report No.1. A.K.Ashin, S.T. Rostovtsev. Izv.vys.ucheb.zav.; chern.met. 7 no.4: 11-19 '64.

Kinetics of electrochemical redox processes of some organic compounds in acetic acid at high temperatures. S.V.Gorbachev, A.M.Abolmov. Zhur.fiz.khim. 37 no.3:596-600 Mr '63.

A new modification of the method for determining the oxidation-reduction potential of the blood. S.M. Ambartsumov. Lab.delo 8 no.7:26-30 Jl '62.

Oxidation-reduction properties of enteropathogenic Escherichia coli. S.G.Smirnov. Sbor.nauch.trud. Ivan.gos.med.inst. no.25:111-115 '62.

Redox potentials of heteroannual disubstituted ferrocenes. E.G.Perevalova and others. Dokl.AN SSSR 155 no.4: 857-860 Ap '64.

Study of the properties of peroxycarbonates in solution. Report No.1: Problem of the "actual existence" of peroxycarbonates and their oxidation-reduction potentials. A.Prokopcikas, A.Vaskelis. Trudy AN Lit. SSR.Ser.B no.1:61-71 '63.

OXIDES

Contribution to the theory of oxidation-reduction equilibrium in oxides [with summary in English]. A.N. Men'. Zhur.fiz.khim. 36 no.11:2313-2316 N '62.

OXIDIZING AGENTS

Manganese tetraacetoacetate as oxidizer of organic compounds. V.M.Lebedeva, S.A.Zonis. Izv.AN Kir. SSR.Ser.est.i tekh.nauk 4 no.6:83-92 '62.

Part 1: Corrosion of aluminum in alkaline solutions with additions of oxidizers. T.A.Kravchenko, A.IA.Shatalov, E.K.IAnchuk. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:56-60 '64.

OXO PROCESS

Determination of higher alcohols in the control of oxo synthesis by the measurement of dielectric constants. T.F.TSeilinskaia, N.I.Ivanova. Zav.lab. 30 no.5: 536-537 '64.

OXONIUM COMPOUNDS—SPECTRA

Infrared spectra of diphenylhalo onium and triphenyl oxonium salts in the region 400-750 cm^{-1}. A.N.Nesmeianov and others. Izv.AN SSSR.Ser.khim. no.4: 613-618 Ap '64.

OXYGEN

Free radical reactions in the interaction of oxygen with irradiated potassium palmitate. A.A.Revina, N.A. Bakh. Dokl.AN SSSR 155 no.2:410-413 Mr '64.

Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 6 [with summary in English]. IU.A.Tkach, O.K.Davtian. Zhur.fiz.khim. 36 no.11:2374-2381 N '62.

Photosorption of oxygen on cadmium sulfide. V.A. Kotel'nikov. Dokl.AN SSSR 155 no.3:654-657 Mr '64.

OXYGEN—ANALYSIS

Effect of impurities in the determination of oxygen in crude copper. V. V. Toporova, M. I. Kochnev. Zav. lab. 30 no. 5:543 '64.

OXYGEN—INDUSTRIAL APPLICATIONS

Intensifying the rate of open-hearth smelting with the help of a new fuel burning device. G. I. Chernysh and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:146-150 '64.

Regularities of the passage of oxygen from the gaseous phase into the open-hearth bath. V. G. Antipin, A. M. Bigeev. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:33-39 '64.

OXYGEN—PHYSIOLOGICAL EFFECT

Enzymatic synthesis of glucosamine in the brain during hyperoxia [with summary in English]. Z. G. Bronovitskaia, Z. S. Gershenovich. Ukr. biokhim. zhur. 34 no. 1:81-85 '62.

OXYGEN IN THE BODY

Use of the polarographic method for determining the oxygen tension in brain tissues under the effect of high altitude flight. E. A. Kovalenko, V. L. Popkov, I. N. Cherniakov. Izv. AN SSSR. Ser. biol. no. 3:376-387 My-Je '64.

Vacat oxygen and its relation to total nitrogen in urine in an anaerobic infection. I. B. Fridliand, A. N. Alad'ina. Sbor. nauch. rab. IAr. med. inst. no. 20:98-107 '59.

OXYGEN ISOTOPES

Oxygen isotope separation in the electrosynthesis of ozone. Part 2. I. A. Semiokhin, G. M. Panchenkov, V. K. Korovkin. Zhur. fiz. khim. 36 no. 11:2561-2563 N '62.

OXYURIASIS

Special facilities and methods for research on enterobiasis in laboratory practice. B. G. Kuznetsov. Lab. delo no. 4:229-233 '64.

OZEKSUAT OIL FIELD—PETROLEUM REFINING

Plant experiments in the demulsification of Ozek-Suat oil and the preparation of demulsifiers. M. P. Bortsova and others. Trudy GrozNII no. 15:34-41 '63.

OZONE

Gushchin, G. P. [Ozone and aerosynoptic conditions in the atmosphere] Ozon i aerosinopticheskie usloviia v atmosfere. Leningrad, Gidrometeoizdat, 1964. 340 p.

Oxygen isotope separation in the electrosynthesis of ozone. Part 2. I. A. Semiokhin, G. M. Panchenkov, V. K. Korovkin. Zhur. fiz. khim. 36 no. 11:2561-2563 N '62.

Physical chemistry of concentrated ozone. Part 9 [with summary in English]. B. V. Strakhov, V. P. Lebedev, N. I. Kobozev. Zhur. fiz. khim. 36 no. 11: 2388-2392 N '62.

OZONE—SPECTRA

Thermal radiation from the 9.6 μ absorption band of ozone in the atmosphere. K. IA. Kondrat'ev, Kh. IU. Niilisk. Probl. fiz. atm. no. 2:3-27 '63.

OZONIZATION

Ozonization of sodium hydroxide within the temperature range of 100 to 50° C. S. A. Tokareva, M. S. Dobroliubova. Izv. AN SSSR. Ser. khim. no. 4:739-740 Ap '64.

PACIFIC OCEAN—OCEAN BOTTOM

Petrographic characteristics of the original-rock samples occurring on the bottom of the northwestern part of the Pacific Ocean. V. I. Chernysheva. Okeanologiia 4 no. 2:300-304 '64.

PACIFIC OCEAN—PETROLOGY

Petrographic characteristics of the original-rock samples occurring on the bottom of the northwestern part of the Pacific Ocean. V. I. Chernysheva. Okeanologiia 4 no. 2:300-304 '64.

PACIFIC OCEAN—SUBMARINE GEOLOGY—CONGRESSES

Problems of the geomorphology and tectonics of the ocean bottom at the 13th General Assembly of the International Union of Geodesy and Geophysics. G. B. Udintsev. Izv. AN SSSR. Ser. geog. no. 2:152-157 Mr-Ap '64.

PACKING (MECHANICAL ENGINEERING)

Designing end packing for centrifugal pumps. A. V. Neiaglov, E. A. Buchacher. Trudy BashNII NP no. 6: 251-256 '63.

Investigating the performance of packings of rotating shafts. F. P. Snegovskii, A. M. Rudskii. Vest. mashinostr. 44 no. 4:21-27 Ap '64.

Modernization of the cup packing of centrifugal pumps. A. P. Parkhod'ko. Sakh. prom. 37 no. 12 47-49 D '63.

Operation of the end packing of 14N12x2 mainline pumps in petroleum pumping stations. P. I. Chulin. Transp. i khran. nefti i nefteprod. no. 3:6-8 '64.

Packing the plunger of a hydraulic cylinder. A. Pichugin. Tekh. v sel'khoz. 23 no. 12:56 D '63.

Rubber packers for the head of the PK-103 perforator. A. B. Voronkevich. Sbor. luch. rats. predl. pt. 2:58-59 '63.

PAIN

Effect of strong pain stimuli on intestinal secretion in experimental hypoxia. S. S. Serebrenikov. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:29-34 '62.

PAINT

Use of carbonate slimes in the manufacture of oil paints. I. P. Chachanidze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:131-138 '63.

PAINT INDUSTRY
(see also subdivision under Tashkent)

Achievements in the field of the synthesis of high molecular compounds. V. V. Korshak. Lakokras. mat. i ikh prim. no. 1:4-9 '64.

Economic use of vegetable oils is one of the basic tasks of the paint industry. B. I. Pshilalkovskii, K. P. Beliaeva, R. B. Gorfunkel'. Lakokras. mat. i ikh prim. no. 1:1-3 '64.

PAINT MATERIALS

Determining the migratory stability of organic pigments and lacquer in polyvinyl chloride films. E. S. Khoroshaia and others. Kozh.-obuv. prom. 6 no. 4:32-33 Ap '64.

Experience in the use of lecithin in the manufacture of oil and alkyd paints. K. M. Gol'dberg and others. Lakokras. mat. i ikh prim. no. 1:79-81 '64.

Konovalov, P. G., V. V. Zhebrovskii, and V. V. Shneiderova. [Laboratory work on the chemistry of film-forming substances and on the technology of coatings and paints] Laboratornyi praktikum po khimii plenkoobrazuiushchikh i po tekhnologii lakov i krasok. [IAroslavl'] Rosvuzizdat, 1963. 202 p.

Photoelectric instruments for color measurement of paint materials. A. I. Rymov, D. A. Shklover. Lakokras. mat. i ikh prim. no. 1:58-62 '64.

Questions and answers on the application of paint materials. I. P. Lobit. Lakokras. mat. i ikh prim. no. 1: 86-89 '64.

Thermoindicator paints and pencils. N. S. Rassudova, N. N. Khlestova. Lakokras. mat. i ikh prim. no. 1:44-47 '64.

PAINT MATERIALS—BIBLIOGRAPHY see Bibliography—Paint materials

PAINT MATERIALS—CONGRESSES

Conference on the efficient application of paint materials (Brno, Czechoslovakia, October 23-25, 1963). G. N. Darazhio. Lakokras. mat. i ikh prim. no. 1:95 '64.

PAINT MATERIALS—TESTING

Analyzing the rheological characteristics of paint materials by means of the rotary GIPI-4 viscosimeter. T. A. Amfiteatrova, I. V. Surikov, E. S. Stepanova. Lakokras. mat. i ikh prim. no. 1:54-55 '64.

PAINTERS, RUSSIAN—BIBLIOGRAPHY see Bibliography—Painters, Russian

PAINTING

[Drawing and painting; a manual] Joonistamise ja maalimise opik. [By] Oskar Raunam ja teised. Tallinn, Kirjastus Eesti NSV Kunst, 1963. 206 p. illus. [In Estonian]

PAINTING, INDUSTRIAL

Improvement of the technology and equipment for the painting and drying of products. Z. B. Vetukhnovskii, G. N. Darazhio, Z. V. Rakhlina. Lakokras. mat. i ikh prim. no. 1:89-91 '64.

Mechanized painting of ingot molds and cores. I. I. Germash, A. IA. Gombera, I. I. Pavlenko. Mekh. i avtom. proizv. 18 no. 5:26-27 My '64.

New method of industrial painting. A. G. Shapoval'iants, N. A. Masliaev. Mashinostroenie no. 2:59-62 Mr-Ap '64.

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Degreasing of materials in trichloroethylene. V. N. Rastrepin, A. A. Zagorovskaia, O. A. Minchenok. Lakokras. mat. i ikh prim. no. 1:43-44 '64.

PAINTING, UKRAINIAN

Vital beginning. V. Afanas'iev. Mystetstvo 10 no. 6:5-8 N-D '63.

PAINTINGS see subdivision under Leningrad; Perm Province

PAINTINGS, RUSSIAN

Moscow. Gosudarstvennaia Tret'iakovskaia Galereia. [The historical and revolution theme in Soviet painting; a methodological guide for lecture bureaus in art museums] Istoriko-revoliutsionnaia tema v sovetskoi zhivopisi; metodicheskoe posobie dlia lektoriev khudozhestvennykh muzeev. Moskva, 1962. 20 p. [MICROFILM]

PAINTINGS, UKRAINIAN—EXHIBITIONS

For new achievements. IA. Zatenats'kyi. Mystetstvo 10 no. 5:8-10 S-O '63.

PAKISTAN—PHILOSOPHY—CONGRESSES

The tenth session of Pakistan's Philosophical Congress. A. F. Korobkov. Vop. filos. 17 no. 12:158-159 '63.

PAKISTAN—STRIKES AND LOCKOUTS

Stages of the workers' movement in Pakistan. T. Ruziev. Nar. Az. i Afr. no. 3:58-64 '64.

PALATE—ABNORMITIES AND DEFORMITIES

Classification of residual defects of the palate following uranoplasty. E. N. Samar. Trudy TSIU 64:79-81 '63.

Surgical anatomy of residual defects of the palate following uranoplasty. E. N. Samar. Trudy TSIU 64:82-86 '63.

PALATE—SURGERY

Analysis of the results of operative interventions on congenital cleft palate. N. M. Mikhel'son. Trudy TSIU 64: 73-78 '63.

Classification of residual defects of the palate following uranoplasty. E. N. Samar. Trudy TSIU 64:79-81 '63.

Surgical anatomy of residual defects of the palate following uranoplasty. E. N. Samar. Trudy TSIU 64:82-86 '63.

PALATE, CLEFT see Cleft Palate

PALEOBOTANY see subdivision under Azov Sea region

PALEOBOTANY, STRATIGRAPHIC see subdivision under Apsheron region (Krasnodar Territory); Dudarkov (Kiev Province); Irkutsk Basin; Kazakhstan; Siberia, Eastern; Soviet Far East; Tuva A. S. S. R.

PALEOGEOGRAPHY see subdivision under Baltic Sea region; Markha Valley; Tien Shan; Tyung Valley

PALEONTOLOGY—CONGRESSES

International paleontological colloquium on the Pleistocene, and geomorphological excursion through the territory of the German Democratic Republic. N. S. Chebotareva. Izv. AN SSSR. Ser. geog. no. 2:147-152 Mr-Ap '64.

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Bystrinskiye Mountains; Daghestan; Tatar A. S. S. R.; Turkmenistan; Yenisey Valley

PALLADIUM—METALLOGRAPHY

Investigating the role of small admixtures of silver in palladium. E. G. Okonnikov. Met. i metalloved. chist. met. no. 4:188-193 '63.

PALLADIUM COMPOUNDS

New π-allyl complex of palladium. I. I. Moiseev, M. N. Vargaftik, IA. K. Syrkin. Izv. AN SSSR. Ser. khim. no. 4:775 Ap '64.

π-Complex of palladium with triphenylcyclopropenyl. I. I. Moiseev, M. N. Vargaftik, IA. K. Syrkin. Izv. AN SSSR. Ser. khim. no. 4:775-776 Ap '64.

PALMITIC ACID

Free radical reactions in the interaction of oxygen with irradiated potassium palmitate. A. A. Revina, N. A. Bakh. Dokl. AN SSSR 155 no. 2:410-413 Mr '64.

PALYNOLOGY
(see also subdivision under Azov, Sea of; Black Sea region; Turgay Gates; Ural Mountain region)

Comparison of the diagrams of zonal division of the Late and Post-Glacial time using synchronizing levels. N. A. Khotinskii. Dokl. AN SSSR 156 no. 1:74-77 My '64.

Stratigraphy and spore and pollen investigations of the Plav Bog deposits. O. T. Artiushenko, L. F. Kucherlava. Ukr. bot. zhur. 21 no. 2:70-77 '64

PAMIRS—DISCOVERY AND EXPLORATION

Zatulovskii, D. M. [The Pamirs' riddles and contrasts] Zagadki i kontrasty Pamira. Moskva, Izd-vo "Mysl'," 1964. 126 p. (Rasskazy o prirode)

PAMIRS—PETROGLYPHS

Petroglyph traces on the Kurteke cliff. V. A. Ranov. Izv. Vses. geog. ob-va 96 no. 1:67-69 Ja-F '64.

PAMIRS—PHYSICAL GEOGRAPHY

The Pamirs and Central Asia. O. E. Agakhaniants. Izv. Vses. geog. ob-va 96 no. 2:103-108 Mr-Ap '64.

PAMIRS—SOCIAL CONDITIONS

The transformed Pamirs (conclusion). IU. Khokhriakov. Nar. khoz. Sred. Az. 1 no. 3:30-33 Mr '64.

PAN-AFRICANISM

The future of the African continent. L. Pribytkovskii, L. Fridman. Mezhdunar. zhizn' 11 no. 5:136-139 My '64.

Under the banner of Addis-Ababa. V. Kudriavtsev. Az. i Afr. seg. 7 no. 5:2-4 My '64.

PANCREAS

Development of chemical methods for determining the biological activity of the pancreas and analysis of its quality during autolysis. N. G. Belen'kii and others. Trudy VNIIMP no. 13:95-111 '62.

Effect of the removal of the pancreas on the manganese content of dog tissues and organs [with summary in English]. H. O. Babenko, Z. V. Karpliuk. Ukr. biokhim. zhur. 35 no. 5:732-736 '63.

Role of duodenum receptors in the exocrinous function of the pancreas. V. I. Galakhov. Uch. zap. Orlov. gos. ped. inst. 18:111-118 '63.

PANCREAS—BLOOD SUPPLY

Venous blood supply of the duodenum and the head of the pancreas. N.A.Ibadov. Nauch.trudy SamMI 21:55-56 '62.

PANCREAS—CANCER

Duodenal obstruction in cancer of the pancreas [with summary in English]. L.A.Ender. Vest.khir. 90 no.5: 45-52 My '63.

Some problems in the diagnosis of cancer in the area of the head of the pancreas [with summary in English]. N.S.Makokha. Vest.khir. 90 no.5:35-41 My '63.

PANCREAS—DISEASES

Large pancreatic cyst in a child. A.E.Kiselev. Vest. khir. 90 no.5:119 My '63.

Pathogenic relation between acute pancreatitis and acute diseases of the gallbladder and bile ducts. E.K.Nugmanov. Zdrav.Kazakh. 22 no.10:16-18 '62.

Postoperative pancreatitis in surgical practice [with summary in English]. A.N.Shabanov, S.M.Mikirtumov, V.I.Nazhestkaia. Khirurgiia 39 no.6:56-62 Je '63.

PANCREAS—SECRETIONS

Effect of the thyroid gland on the secretion and enzymatic activity of bile and pancreatic juice in sheep. R.M. Trofimova. Trudy Inst.fiziol.AN Kazakh.SSR 5:53-58 '63.

Exclusion of the duodenal receptors by means of tetracaine. V.I.Galakhov. Nauch.trudy Riaz.med.inst. 15:7-11 '62.

External pancreatic secretions in response to humoral stimuli in acute radiation sickness [with summary in English]. E.K.Kuznetsova. Med.rad. 8 no.5:23-29 My '63.

External secretory function of the pancreas in hypertension. M.Mamedova, R.M.Dvornikova, N.A. Egorova. Zdrav.Turk. 8 no.1:14-16 Ja '64.

New data on the structure of nucleotide-peptides, constituents of pancreatic ribonucleic acid [with summary in English]. A.A.Bogdanov and others. Biokhimiia 27 no.6:1054-1060 N-D '62.

Qualitative characteristics of the effect of tetracaine on the duodenal receptor apparatus. V.I.Galakhov. Nauch. trudy Riaz.med.inst. 15:11-15 '62.

Some characteristics of pancreatic secretion and the bile secreting function of the liver in sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst. fiziol.AN Kazakh.SSR 5:33-38 '63.

Use of the air-water system for recording the secretion of pancreatic juice. V.I.Galakhov. Uch.zap.Orlov. gos.ped.inst. 18:119-123 '63.

PANCREAS—SURGERY

Operative pancreatography. V.V.Vinogradov. Vest.khir. 90 no.5:30-35 My '63.

Resection of the pancreas in the transpleural removal of the stomach in cancer [with summary in English]. A.S. Lur'e. Vest.khir. 90 no.5:42-45 My '63.

Technique of pancreatic resection in a transpleural removal of cardial cancer [with summary in English]. A.S.Lur'e. Khirurgiia 39 no.6:63-65 Je '63.

PANCREATIC DUCT—RADIOGRAPHY

Operative pancreatography. V.V.Vinogradov. Vest.khir. 90 no.5:30-35 My '63.

PANELS (BUILDING)

Facing keramzit-concrete panels with ceramic tiles. IU.I.Dolinskii. Stroi.mat. 10 no.4:23-25 Ap '64.

Increasing the productive capacity of a plant manufacturing elements for large-panel apartment houses. V.E. Petlevannyi. Mekh.stroi. 21 no.5:7-8 My '64.

Rolled gypsum panels in prefabricated room-units. B.Gladyshev and others. Stroi.i arkhit. 11 no.10: 12-13 O '63.

Ushamirskii, M.K. [Building apartment houses of large keramzit concrete elements; practices of the Building and Assembling Trust No.25] Stroitel'stvo domov iz krupnorazmernykh keramzitobetonnykh elementov; iz opyta raboty Stroitel'no-montazhnogo tresta no.25. (Bibliotechka stroitelia)

PANEVEZYS (LITHUANIA)—MOLASSES

Separation of amino acids from the wastes of the sugar and alcohol industry. Report No.1: Identification of amino acids in molasses waste. L.Rasteikiene, M.Dagiene, Z.Beinoraviciute. Trudy AN Lit.SSR, Ser.B no.1:73-82 '63.

PANJABI LANGUAGE—GRAMMAR

"A reference grammar of Panjabi" by Harjeet Singh Gill, Henry A.Gleasson. Reviewed by IU.A.Smirnov. Nar.Az.i Afr. no.3:194-196 '64.

PANTOMINE

Rumnev, A.A. [Pantomime; theater, motion pictures] O pantomime; teatr, kino. Moskva, Iskusstvo, 1964. 241 p.

PANTOTHENIC ACID

Decurarization in cardiovascular diseases. V.A.Kovanev, IA.M.Khmelevskii. Eksper.khir.i anest. 7 no.4:83-89 Jl-Ag '62.

PAP DISTRICT—FARM MECHANIZATION

Following the leader's advice. A.Adylov. Part.zhizn' [Uzb.] 7 no.4:36-38 Ap '64.

PAPER

Assembly and testing of the device for measuring the moisture content of paper sheets. R.I.Pol't. Bum. prom. no.1:23-24 Ja '64.

Bleached reed pulp is a valuable intermediate product for the manufacture of the absorptive type of paper. M.M.Grinberg and others. Bum.prom. no.1:19 Ja '64.

Imparting increased elasticity to paper by means of microcrinkling. S.R.Farber. Bum.prom. no.4: 3-7 Ap '64.

Oxide paper, the new type of condenser paper. B.B. Gutman and others. Bum.prom. no.1:12 Ja '64.

Synthetic fibers made from polyvinyl alcohol used in the manufacture of paper. S.N.Ivanov, G.M.Gorskii. Bum.prom. no.1:4-6 Ja '64.

Volunteer research workers discuss the ways to increase filler retention by paper. Bum.prom. no.1: 2 of insert Ja '64.

PAPER—STANDARDS

State standards to be established in 1964-1965. Bum. prom. no.4:27 Ap '64.

PAPER—TESTING

Properties of acetylized electric insulation paper. F.I. Korchemkin, A.I.Bobrov. Bum.prom. no.1:15-16 Ja '64.

PAPER CHROMATOGRAPHY

Amino acid composition of milk received at the Moscow Dairy Combine. P.V.Kugenev, M.N.Medvedeva. Vop.pit. 21 no.5:66-71 S-O '62.

Chemical methods of developing paper chromatograms in work with antibiotics. S.N.Litvinenko. Lab.delo 8 no.9:39-40 S '62.

Detection of antibiotics by paper chromatography. N.O. Blinov, A.S.Khokhlov. Antibiotiki 8 no.8:751-762 Ag '63.

Determination of monosaccharides in bacterial cells by the paper chromatography method. V.D.Egorova. Lab.delo 9 no.4:42-44 Ap '63.

Determination of the amino acid composition of the prepupal body of bees of different species by paper chromatography. V.V.Shaidorova. Nauch.dokl.vys. shkoly; biol.nauki no.2:85-87 '64.

Methodology of determining thymidine in rat urine with paper chromatography and the Diche reaction. I.A. Zharkov. Lab.delo no.5:296-300 '64.

Separation of amino acids from the wastes of the sugar and alcohol industry. Report No.1: Identification of amino acids in molasses waste. L.Rasteikiene, M.Dagiene, Z.Beinoraviciute. Trudy AN Lit.SSR, Ser.B no.1:73-82 '63.

Separation of dimethyl esters of pyrogallol and its homologs by means of paper chromatography. V.Kurko, L.Kel'man. Mias.ind.SSSR 34 no.6:50-52 '63.

PAPER COATINGS

Likhomskii, V.T., and A.V.Ershov. [Manufacture of coated paper] Proizvodstvo melovannoi bumagi. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 69 p.

PAPER ELECTROPHORESIS

Blood serum glycoproteins in rheumatic children. V.P. Alferov. Pediatriia 42 no.9:87-88 S '63.

Determination of B_6 group vitamins by paper electrophoresis. O.V.Aksenova. Lab.delo no.4:219-221 '64.

Electrophoretic examination of the proteins in the blood serum of donors of different age groups. F.M.TSukrova. Lab.delo 8 no.9:40-42 S '62.

Electrophoretic study of the serum proteins in viral influenza A2 [with summary in English]. I.K.Musabaev, D.M.Guseva. Zhur.mikrobiol.,epid.i immun. 40 no.4:38-43 Ap '63.

Mobility of purines and pyrimidine bases and their derivatives during electrophoretic separation. I.N.Kasatkin, N.A.Fedorov. Lab.delo no.3:156-159 '64.

Some factors influencing the accuracy of determining blood protein fractions by the method of paper electrophoresis. N.L.Aslanian. Lab.delo no.4:213-217 '64.

Technique of analyzing blood protein fractions by paper electrophoresis. V.F.Zhalko-Titarenko. Lab.delo no.4:218-219 '64.

PAPER IDUSTRY

(see also subdivision under Balakhna, Gorkiy Province)

From foreign journals. Bum.prom. no.4:32 Ap '64.

Let's step up labor endeavor in the sixth year of the seven-year plan. Bum.prom. no.1:1-2 Ja '64.

Third Congress of the Scientific and Technological Society. Bum.prom. no.1:3 Ja '64.

Woodpulp and paper production on the world market. N.A.Lurie. Bum.prom. no.4:28-30 Ap '64.

PAPER INDUSTRY—BIBLIOGRAPHY see Bibliography—Paper industry

PAPER INDUSTRY—HYDRAULIC EQUIPMENT

Automation of the breaking up of fibrous raw materials in hydraulic breakers. V.M.Kanevskii. Bum.prom. no.1:21-22 Ja '64.

PAPER INDUSTRY—MANAGEMENT

Application of calculating machines in the automation and control of complex industrial complexes. G.E. Finkel'shtein. Bum.prom. no.1:25-26 Ja '64.

PAPER INDUSTRY—TRADEMARKS

Trademarks of the paper industry. O.V.Pavlov. Bum. prom. no.1:27-28 Ja '64.

PAPERBOARD

Combined frames for machines making cardboard. [illegible] Daniliuk. Stroi.mat. 10 no.4:36-37 Ap '64.

PAPERMAKING MACHINERY

At the rated speed. Bum.prom. no.1:11 Ja '64.

Imparting increased elasticity to paper by means of microcrinkling. S.R.Farber. Bum.prom. no.4: 3-7 Ap '64.

Likhomskii, V.T., and A.V.Ershov. [Manufacture of coated paper] Proizvodstvo melovannoi bumagi. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 69 p.

Temperature measurement on the surface of the [illegible] rolls of papermaking machinery. M.I.[illegible] and others. Bum.prom. no.1:20-21 Ja '64.

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr.proizv. no.5 My '64.

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Electric driving systems without regulators of the speed ratio are reliable and economical. F.K.[illegible], R.S.Tegai. Bum.prom. no.1:30 Ja '64.

Modern systems of regulated electric drives for paper-making machinery. Kh.Gol'dner. Bum.prom. no.4: 11-14 Ap '64.

PARACHUTE TROOPS

With his inseparable parachute. E.Simakov. Kryl.rod. 15 no.4:12 Ap '64.

PARACHUTING

(see also subdivision under Czechoslovakia)

Here are the best parachute jumpers. Kryl.rod. 15 no.4:20 Ap '64.

PARACHUTISTS see subdivision under Brno

PARAFFINS

(see also subdivision under Groznyy; Karadag)

Continuous and periodic oxidation of liquid paraffins to produce synthetic fatty acids. P.I.Igonin and others. Trudy GrozNII no.15:303-323 '63.

Effect of a concentration of n-paraffins in a hydrocarbon mixture on complexing with urea in a water solution. F.A.Chegodaev, B.V.Klimonok. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:55-59 '64.

Industrial experience in obtaining paraffin from [illegible]cent distillate of sour crudes. I.I.Cherek and others. Trudy BashNII NP no.6:34-43 '63.

Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. [illegible] S.I.Bass, A.M.Zil'berbrandt, A.A.Berlin. Zhur.fiz. khim. 37 no.3:682-685 Mr '63.

Mechanism of the inhibiting action of phosphites in the oxidation of paraffinic hydrocarbons. S.I.Bass, S.S. Medvedev. Zhur.fiz.khim. 36 no.11:2537-2539 N '62.

Nature of the esters formed during the oxidation of paraffin hydrocarbons. A.I.Il'ina. Masl.-zhir.prom. 30 no.3:22-26 Mr '64.

Obtaining a low-melting paraffin from diesel fuel fractions by filter pressing and sweating. N.F.Bogdanov and others. Trudy GrozNII no.15:201-212 '63.

Obtaining gas-turbine fuels from high-paraffin crude. A.G.Malin, L.A.Baiburskii, P.I.Krechetova. Trudy GrozNII no.15:94-104 '63.

Oxidation of isoparaffin hydrocarbons. P.G.Igonin and others. Trudy GrozNII no.15:323-332 '63.

Paraffin and ceresin potentials in Shkapova oil. I.I. Cherek, V.V.Vorob'eva. Trudy BashNII NP no.6: 122-126 '63.

Possible fields of application for the low-melting components of paraffins and ceresins from sour crudes. I.I. Cherek, V.V.Vorob'eva. Trudy BashNII NP no.6: 127-133 '63.

Removing paraffin residues from tanks. A.IA.[illegible] Transp.i khran.nefti i nefteprod. no.2:24-25 '64.

Resin formation in the reaction of diaryl alkanes with trichloroacetic acid [with summary in English]. V.P. Lavrushin, L.N.Pintova. Vysokom.soed. [illegible] 503 Mr '64.

PARAFFINS (Continued)

Studying the composition of gasolines derived from the catalytic cracking of high-paraffin kerosene gas oil. O.I. Svetozarova and others. Trudy GrozNII no. 15: 344-350 '63.

Technological process of dewaxing diesel fuels with crystal carbide. M.G. Mitrofanov, N.I. Bondarenko, S.V. Makar'ev. Trudy GrozNII no. 15:137-142 '63.

PARAFFINS—THERAPEUTIC USE

Complications in paraffin therapy. V.V. Vlasov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:266 My-Je '63.

PARAGANGLIA see Chromaffin system

PARAGENESIS

Periodic law, isomorphism and paragenesis of elements. K.A. Vlasov. Dokl. AN SSSR 155 no. 5:1091-1094 Ap '64.

PARAGONIMIASIS

Danilenko, M.V. [Paragonimiasis; a clinical and experimental study] Paragonimoz; kliniko-eksperimental'noe issledovanie. Moskva, Medgiz, 1963. 166 p. (DNLM)

PARALLAX

General parallactic scheme of indirect methods of distance measurement and its geometrical interpretation (with summary in English). O.S. Makar. Dop. AN URSR no. 4:488-491 '64.

PARALYSIS

Compound health resort treatment in the restorative and residual periods of poliomyelitis in children. E.S. Dotsenko. Ortop., travm. i protez. 24 no. 10:30-35 O '63.

Indications for arthrodesis of the hip joint in patients with sequelae of poliomyelitis. O.V. Nedrigailova, B.A. Pogrebniak. Ortop., travm. i protez. 24 no. 10: 3-11 O '63.

Late results of myoplasty in paralysis of the musculus quadriceps femoris in patients with sequelae of poliomyelitis. K.M. TSkhakaia. Ortop., travm. i protez. 24 no. 10:28-30 O '63.

Late results of the compound treatment of the sequelae of poliomyelitis. V.D. Anchelevich. Ortop., travm. i protez. 24 no. 10:24-27 O '63.

Pseudohallucination syndrome in progressive paralysis and syphilis of the brain. L.K. Khokhlov. Sbor. nauch. rab. IAr. med. inst. no. 21:107-119 '59.

Some characteristics of Trendelenburg's symptom in patients with sequelae of poliomyelitis. I.A. Dudnik. Ortop., travm. i protez. 24 no. 10:11-17 O '63.

Some problems in restoration of the weight-bearing capacity of a paralyzed extremity. I.P. Shuliak. Ortop., travm. i protez. 24 no. 10:17-23 O '63.

PARALYSIS, FACIAL

Application of a myoaponeurotic flap on a pedicle in facial plastic surgery on persistent paralysis of the facial nerve. M.P. Sheftel'. Trudy TSIU 64:114-119 '63.

Melkersson-Rosenthal syndrome. L.G. Lesun. Vest. derm. i ven. 37 no. 5:69-70 My '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Electron paramagnetic resonance and nuclear spin echo in oxyfluoride solutions of pentavalent molybdenum. N.S. Garif'ianov, V.N. Fedotov, N.S. Kucheriavenko. Izv. AN SSSR. Ser. khim. no. 4:743-745 Ap '64.

Electron paramagnetic resonance in thiocyanate complexes of Mo (V) and W (V). N.S. Garif'ianov, B.M. Kozyrev, V.N. Fedotov. Dokl. AN SSSR 156 no. 3:641-643 '64.

Electron paramagnetic resonance of meta-substituted α-, α-diphenyl-β-picrylhydrazyl. IU.M. Ryzhmanov and others. Dokl. AN SSSR 156 no. 1:106-109 My '64.

Electron paramagnetic resonance spectra of tetramethylthiuram disulfide and its copper complex, [with summary in English]. L.S. Degtiarev, L.N. Ganiuk. Vysokom. soed. 6 no. 1:26-30 Ja '64.

Estimation of the state of chemical bonds from the superfine structure of electron paramagnetic resonance spectra of manganese. L.V. Bershov, A.S. Marfunin. Dokl. AN SSSR 155 no. 3:632-635 Mr '64.

Low-temperature measuring resonator for electron paramagnetic resonance studies at a wavelength of 0.8 cm. A.L. Bil'diukevich. Prib. i tekh. eksp. 9 no. 2:185-187 Mr-Ap '64.

Relation between the paramagnetic and electric properties of some organic semiconductors. A.D. Grishina, A.V. Vannikov. Dokl. AN SSSR 156 no. 3:647-649 '64.

Spin density distribution in metal ketyls containing methyl groups. I.D. Morozova, M.E. Diatkina. Dokl. AN SSSR 154 no. 3:687-689 Ja '64.

Study of some complexes of pentavalent chromium by electron paramagnetic resonance. N.S. Garif'ianov. Dokl. AN SSSR 155 no. 2:385-388 Mr '64.

PARAMECIUM

Effect of some salts and ethyl alcohol on infusoria adapted to various temperatures. I.S. Il'ina. TSitologiia 5 no. 3:287-294 My-Je '63.

Influence of the temperature factor on the DNA and RNA content in Paramecium caudatum. N.E. Kovaleva, G.V. Selivanova. TSitologiia 5 no. 3:273-278 My-Je '63.

PARAMECIUM—CULTURES AND CULTURE MEDIA

Change in the sensitivity of the infusorian Paramecium caudatum to respiration and glycolysis inhibitors as related to the age of the culture. K.A. Samoilova. Dokl. AN SSSR 155 no. 3:670-672 Mr '64.

PARAMETRIC AMPLIFIERS

Parametric amplifier with low-frequency pumping using semiconductor diodes. B.M. D'iachenko, A.N. Gladyshev. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1: 63-70 Ja-F '64.

PARAMUSHIR ISLAND—ROCKS, CRYSTALLINE AND METAMORPHIC

Sulfur-containing variety of propylitized rocks in Paramushir Island (Kurile Islands). I.P. Aver'ianov. Izv. AN SSSR. Ser. geol. 29 no. 2:101-107 F '64.

PARAMUSHIR ISLAND—SULFUR

Sulfur-containing variety of propylitized rocks in Paramushir Island (Kurile Islands). I.P. Aver'ianov. Izv. AN SSSR. Ser. geol. 29 no. 2:101-107 F '64.

PARASITES

Parasites and parasitocenoses in laboratory animals and the parasitological diagnosis of toxoplasmosis [with summary in English]. D.N. Zasukhin. Zool. zhur. 43 no. 3:371-384 '64.

PARASITES—AMPHIBIA

Distribution of acid phosphatase in parasitic protozoans from amphibians. G.I. Sergeeva. TSitologiia 5 no. 3: 348-351 My-Je '63.

Resistance of endoparasitic protozoans from some species of amphibians to ethyl alcohol. V.A. Sopina. TSitologiia 5 no. 3:343-347 My-Je '63.

PARASITES—BIRDS see subdivision under Soviet Central Asia

PARASITES—CATTLE
(see also subdivision under East Kazakhstan Province; Kazakhstan)

Artificial infestation of cattle with the eggs of the warble fly Hypoderma bovis DeGeer [with summary in English]. K.A. Breev, V.N. Diadechko. Zool. zhur. 43 no. 3:474-479 '64.

PARASITES—DEER

Epizootiology of Elaphostrongylus infestation of antlered deers. E.I. Priadko, S.N. Vysokov, V.S. Frolov. Paraz. sel'khoz. zhiv. Kazakh. 2:74-85 '63.

PARASITES—DUCKS see subdivision under Pavlodar region

PARASITES—FISHES
(see also subdivision under Amur River; Amur Valley; Latvia; Ukraine)

Early parasitic stages in the developmental cycle of Polypodium hydriforme Ussov (Coelenterata). E.V. Raikova. Dokl. AN SSSR 154 no. 3:742-743 Ja '64.

Review of the book "A guide to the parasites of freshwater fishes of the U.S.S.R." O.N. Bauer. Vop. ikht. 4 no. 1:194-195 '64.

PARASITES—HERODIONES see subdivision under Azerbaijan

PARASITES—INSECTS

Methods of studying mermithids (Mermithidae; Nematodes). P.A. Polozhentsev, A.K. Artiukhovskii. Sbor. rab. po nemat. sel'khoz. rast. no. 5:70-90 '63.

PARASITES—MICE see subdivision under Azerbaijan

PARASITES—MOTHS see subdivision under Armenia

PARASITES—RODENTS
(see also subdivision under Kobystan)

Morphological variability in the trematodes of rodents (Platinosomum muris Stscherbakova, 1942). D.I. Uzhakhov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:31-33 '63.

PARASITES—RUMINANTIA
(see also subdivision under Azerbaijan)

Characteristics of the scolex Coenurus cerebralis from various ruminants. S.N. Boev, I.B. Sokolova. Paraz. sel'khoz. zhiv. Kazakh. 2:5-10 '63.

PARASITES—SHEEP
(see also subdivision under Aktyubinsk Province; Kazakhstan)

Biology of the cestode Multiceps skrjabini Popov, 1937. V.I. Bondareva, R. Nurlybaeva. Paraz. sel'khoz. zhiv. Kazakh. 2:19-21 '63.

PARASITES—STURGEONS

Unicellular parasitic stages of the life cycle of Polypodium hydriforme Ussov (Coelenterata) [with summary in English]. E.V. Raikova. Zool. zhur. 43 no. 3:400-411 '64.

PARASITES—SWINE
(see also subdivision under Alma-Ata Province)

Supplements to the list of helminths found in swine. V.A. Shol'. Paraz. sel'khoz. zhiv. Kazakh. 2:72-73 '63.

PARASITES—UNGULATA see subdivision under Turkmenistan

PARASITES—WATER BIRDS see subdivision under Kazakhstan

PARASITES—WATER VOLES see subdivision under Siberia, Western

PARASITOLOGICAL RESEARCH

Parasitocenoses as one of the most important problems of parasitology developed by Academician E.N. Pavlovskii and his school [with summary in English]. A.F. Tumka. Zool. zhur. 43 no. 4:346-354 '64.

PARENT AND CHILD

Editor's mail. Sem'ia i shkola 19 no. 1:20-22 Ja '64.

Victims are guilty too. M. Mironov. Sem'ia i shkola 19 no. 1:42-43 Ja '64.

PARIS—COMMUNE, 1871

"The Paris Commune" [in French] by P. Dominique. Reviewed by IA.I. Drazninas. Vop. ist. 39 no. 3:192-193 Mr '64.

PARIS—MICROBIOLOGICAL RESEARCH

Pasteur Institute in Paris. E.N. Mishustin. Izv. AN SSSR. Ser. biol. no. 3:480-481 My-Je '64.

PAROLE see subdivision under Hungary

PAROTID GLANDS

Quantitative cytochemical determination of RNA in the nuclei of acinic cells during the normal physiological cycle of the parotid gland in rats. N.V. Nechaeva. TSitologiia 5 no. 3:339-343 My-Je '63.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No. 1: Effect of limited injuries of the cerebral cortex in the region of the musculocutaneous analysor on unconditioned reflex secretion of the parotid gland. R.G. Singatulin. Sbor. nauch. rab. IAr. med. inst. no. 20:56-66 '59.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No. 2: Conditioned reflex secretion following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. R.G. Singatulin. Sbor. nauch. rab. IAr. med. inst. no. 20: 67-76 '59.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

Band characteristics of a high-frequency channel in a linear electron accelerator. O.S. Milovanov. Uskoriteli no. 4:78-85 '62.

Band characteristics of a wave-guide buncher in a linear electron accelerator. R.K. Gavrilova and others. Uskoriteli no. 4:20-28 '62.

Deep controllability of energy in linear electron accelerators-bunchers. O.A. Val'dner, V.I. Koroza, A.V. Shal'nov. Uskoriteli no. 4:3-6 '62.

Dependence of the output electron energy on the tolerances allowed in the dimensions of the wave guide in a linear accelerator. N.P. Sobenin, A.V. Shal'nov. Uskoriteli no. 4:103-110 '62.

Determining the stability of a magnetron with a frequency-dependent load of the type of a high-frequency channel in a linear electron accelerator. O.S. Milovanov, A.V. Shal'nov. Uskoriteli no. 4:86-94 '62.

Frequency drift of a magnetron loaded with a high-frequency channel in a linear electron accelerator. O.S. Milovanov, A.V. Shal'nov. Uskoriteli no. 4:95-100 '62.

Hygienic standardization in the design, construction and operation of electron accelerators [with summary in English]. P.I. Moiseitsev. Med. rad. 8 no. 5:54-58 My '63.

Injector - buncher for a linear electron accelerator. V.F. Gass. Uskoriteli no. 4:29-38 '62.

Possibility for the production and acceleration of positrons in a microtron. K.A. Belovintsev, F.P. Denisov. Atom. energ. 16 no. 4:353-354 Ap '64.

Radial motion of particles in accelerators during the extraction of the beam by means of a regenerative deflector. IU.IA. Lembra. Zhur. tekh. fiz. 34 no. 3: 567-575 Mr '64.

Radiation protection near particle accelerators. E.L. Stoliarova, G.A. Cherevatenko. Uskoriteli no. 4:111-128 '62.

Use of nontunable magnetrons as a power source for linear electron accelerators. O.A. Val'dner, V.I. Koroza, A.V. Shal'nov. Uskoriteli no. 4:7-11 '62.

PARTICLE BOARD

Fiber-particle boards. Biul. stroi. tekh. 21 no. 2:30-32 F '64.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Manufacture and use of particle board; materials of a seminar] Proizvodstvo i primenenie struzhechnykh plit; materialy seminara. Moskva, 1962. 154 p. (Derevoobrabotka)

[MICROFILM]

PARTICLE BOARD (Continued)

Resins from waste from the chemical industry for making chip slabs and other materials. L. I. Kozel'tsev. Stroi. mat. 10 no.1:7 Ja '64.

Synthetic resins for particle boards made of waste materials from phenol-acetone production. S.Kh. [illegible], L.I.Kozel'tsev. Stroi.mat. 10 no.4:4-5 Ap '64.

PARTICLE SIZE DETERMINATION

Pulse method of granulometric analysis. O. A. Miazdrikov. Zav.lab. 30 no.5:554-556 '64.

PARTICLE TRACK PHOTOGRAPHY see Photography, Particle track

PARTICLES

Applying the theory of random processes to the determination of regularities in the separation of loose mixtures. E. A. Nepomniashchii. Trudy VNIIZ no.42:47-56 '63.

PARTICLES (NUCLEAR PHYSICS)

Exclusion of the motion of the mass center in a system of identical particles. J. Kalade, V. Sukurovas, A. Janavicius. Trudy AN Lit. SSR. Ser. B no.1:13-20 '63.

International Conference on Elementary Particles. V. Nikitin, A. Tiapkin. Atom. energ. 16 no.4:374-376 Ap '64.

Methods of separation of high-energy particles. V.A. Vagin, V.I. Kotov, I.N. Semeniushkin. Usp.fiz.nauk 82 no.4:707-748 Ap '64.

Motion of charged particles in a magnetic field. B.I. Morgunov. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no.2:3-7 Mr-Ap '64.

"Philosophical problems in elementary particle physics." Reviewed by L. I. Storchak. Vest. AN SSSR 34 no.2:136-139 F '64.

PASSIVATION

Nature of the passivating film on chromium in acid solutions [with summary in English]. A. M. Sukhotin, E. I. Antonovskaia, A. A. Pozdeeva. Zhur. fiz. khim. 36 no.11:2368-2373 N '62.

Passivation of tin cans for canned food. V. Ochkin. Mias. ind. SSSR 34 no.6:8-11 '63.

PASTEURELLA—CULTURES AND CULTURE MEDIA

Medium for culturing the tularemia microbe. G. R. Aksenenko. Lab. delo 8 no.7:42-44 Jl '62.

PASTEURELLA PESTIS

Biological characteristics of plague bacteriophages [with summary in English]. F. I. Ershov, Z. A. Bykova. Zhur. mikrobiol., epid. i immun. 40 no.4:131-136 Ap '63.

PASTURES AND MEADOWS
(see also subdivision under Armenia; Kazakhstan; Kura Lowland; Leningrad Province; Orsha District; Turkmenistan; Uda Valley, Buryat A. S. S. R.; White Russia)

Effect of a meadow plant association on the morphology and biology of its components. A. O. Triasuchkina. Trudy Bot. inst. Ser. 3 no.15:106-122 '63.

Experiments in the use of acaricidal preparations in controlling ixodid ticks in pastures. I. I. Pokidov. Trudy Stavr. sel'khoz. inst. no.11:125-130 '62.

PASTURES AND MEADOWS—FERTILIZERS AND MANURES
(see also subdivision under Karelia)

Absorption of soil and fertilizer nutrients by leguminous gramineous plants in pastures. S. V. Shishchenko. Khim. v sel'. khoz. 2 no.2:16-19 F '64.

PATENT LAWS AND LEGISLATION
(see also subdivision under Riga)

Meerzon, S.I. [Soviet patent laws; a practical manual for students and associations of inventors and efficiency experts] Sovetskoe izobretatel'skoe pravo; prakticheskoe posobie dlia studentov i organizatsii obshchestva izobretatelei i ratsionalizatorov. Alma-Ata, Kazakhskii gos. univ. im. S. M. Kirova. IUrid. fakul'tet, 1962. 71 p.

Regulation of rights of inventors and persons with recorded efficiency suggestions. M. L. Asinovskii. Sov. gos. i pravo 34 no.4:118-123 Ap '64.

PATENTS
(see also subdivision under Great Britain)

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 41 nos.9-10 My '64.

Patent clarity of standard articles. A. S. Dukhovnyi. Standartizatsiia 28 no.3:39-40 Mr '64.

Patents. Avtom. i prib. no.1:91-92 Ja-Mr '64.

Patents. Priborostroenie no.4:3 of cover Ap '64.

PATHOGENIC FUNGI see Fungi, Pathogenic

PATHOGENIC PROTOZOA see Protozoa, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL PSYCHOLOGY see Psychology, Pathological

PATHOLOGISTS

Organization and analysis of the work of an occupational disease specialist. M. A. Markin. Sov. zdrav. 22 no.8:65-69 '63.

PATHOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. nos.10-11 My-Je '64.

PATHOLOGY, CELLULAR

Study of the state of mast cells in the tumor bed and pelvic cellular tissue in preoperative radiotherapy of cancer of the cervix uteri [with summary in English]. G. S. Kolesnikova. Med. rad. 8 no.5:3-9 My '63.

PATHOLOGY, SURGICAL

Elanskii, N. N. [Surgical diseases] Khirurgicheskie bolezni. Moskva, Izd-vo "Meditsina," 1964. 649 p. (DNLM)

PATKAN'YAN, RAPAYEL, 1830-1892

R. Patkanyan's and G. Sundukiants' literary cooperation [in Armenian with summary in Russian]. A. Abegian. Izv. AN Arm. SSR. Obshchestv. nauki no.1:35-50 Ja '64.

PAVEMENTS—TESTING

Effect of pavement roughness on the safe driving speed. V. T. Torchinskii. Sbor. nauch. trud. Dnepr. inzh.-stroi. inst. no.21:69-80 '62.

Extending the testing period for top dressing. M. B. Korsunskii. Avt. dor. 27 no.3:28-29 Mr '64.

PAVEMENTS, BITUMINOUS

Laying a rough coat over worn spots in asphalt concrete surfacing. S. M. Bagdasarov, E. S. Fainberg. Avt. dor. 27 no.3:5-7 Mr '64.

Some results of experimental rough surfacing. N. V. Gorelyshev, K. IA. Lobzova. Avt. dor. 27 no.3:7-9 Mr '64.

PAVEMENTS, BITUMINOUS—MAINTENANCE AND REPAIR

Organize regular inspection of roughness in road surfacing. L. S. Stetsiuk, M. A. Parshin. Avt. dor. 27 no.3:4-5 Mr '64.

PAVEMENTS, BITUMINOUS—SAFETY MEASURES

Evlanov, V. N. [Manual for operators of asphalt pavers] Pamiatka mashinistu asfal'toukladchika. Moskva, Transport, 1964. 25 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

PAVEMENTS, CONCRETE

Precast street and sidewalk pavement. L. V. Gurevich, G. M. Soskin. Nov. tekh. zhil.-kom. khoz.: Gor. dor.-most. khoz. i transp. no.2:5-9 '63.

PAVLODAR REGION—PARASITES—DUCKS

Dynamics of the helminths of domestic ducks on the Pavlodar State Farm. Kh. I. Egizbaeva. Paraz. sel'khoz. zhiv. Kazakh. 2:100-107 '63.

PAVLOVSKII, EVGENII NIKANOROVICH, 1884-

E. N. Pavlovskii and Soviet ichthyology. B. G. Ioganzen. Vop. ikht. 4 no.1:5-9 '64.

Greetings to Academician E. N. Pavlovskii. Vop. ikht. 4 no.1:3-4 '64.

Parasitocenoses as one of the most important problems of parasitology developed by Academician E. N. Pavlovskii and his school [with summary in English]. A. F. Tumka. Zool. zhur. 43 no.3:346-354 '64.

To Evgenii Nikanorovich Pavlovskii. Zool. zhur. 43 no.3:321 '64.

PAYMENT

Expand payments by checks. A. Gol'd. Den. i kred. 22 no.3:63-65 Mr '64.

PEA TREE

Effect of various disinfectants on the force of emergence, and large-scale and field germination of the Siberian pea tree seeds. A. A. Prisiazhniuk. Khim. v sel'. khoz. 2 no.2:31-33 F '64.

PEACE

Communique of the session of the International Secretariate of the Christian Peace Conference in Berlin-Weissensee. Zhur. Mosk. Patr. no.4:26-27 '64.

Let there be everlasting sunshine! Sem'ia i shkola 19 no.1:1 Ja '64.

Meeting of the Committee "Peace and Justice." P. Sokolovskii. Zhur. Mosk. Patr. no.4:25 '64.

Meeting of the Committee "Peace and the German Problem." P. Sokolovskii. Zhur. Mosk. Patr. no.4:26 '64.

Science and peace. M. I. Rubinshtein. Priroda 53 no.5:3-7 '64.

PEACE—CONGRESSES

Meeting of the Committee for the Preparation of the Second All-Christian Peace Congress and session of the Working Committee of the Christian Peace Conference in Budapest. P. Sokolovskii. Zhur. Mosk. Patr. no.4:24 '64.

PEACE CORPS

What is hidden behind the screen of the A[illegible] Corps?" V. Popov. Komm. Vooruzh. Sil [illegible] 86-87 O '63.

PEACH—VARIETIES see subdivision under [illegible]

PEAR—DISEASES AND PESTS see subdi[illegible] Nakhichevan A. S. S. R.

PEAS—DISEASES AND PESTS see subdi[illegible] Vladimir-Volynskiy District

PEAS—ECONOMIC ASPECTS see subdi[illegible] Kuban

PEASANTRY
(see also subdivision under Chuvashia; Europe, Eastern; India; Italy; Ukraine)

Lenin's opinions on the supreme principle [illegible] ship of the proletariat. V. A. [illegible] no.40:67-79 '60.

Moscow. Universitet. Kafedra istorii KPSS [illegible] fakul'tetov. [Struggle for the strengthening of the union of working class and peasantry] Bor'ba za ukreplenie soiuza rabochego klassa i krest'[illegible] sbornik statei. [Moskva] Izd-vo Moskva, [illegible] 316 p. (NIC)

PEAT

Academician D. N. Prianishnikov talks about [illegible] izers. Torf. prom. 41 no.3:5-8 '64.

Briquetting of self-heating peat. A. I. R[illegible] prom. 41 no.3:30-32 '64.

Effect of peat application on the biological [illegible] turf-Podzolic soils. I. M. Kurbatov, M. I. [illegible] Bot.; issl. Bel. otd. VBO no.5:105-10[illegible]

Effect of the drying method chosen for peat [illegible] slabs on the drying efficiency. I. L. [illegible] Inzh.-fiz. zhur. 7 no.3:17-20 [illegible]

Methods of determining the structural [illegible] the natural sagging of peat foundations. A. [illegible] Dokl. TSKHA no.87:469-475 '63.

Technology and mechanization of the prepara[illegible] mineral fertilizers. B. Chernikov, M. [illegible] v sel'khoz. 23 no.12:7-14 D '63.

PEAT—NITROGEN CONTENT see subdi[illegible] White Russia

PEAT—TRANSPORTATION

Efficiency of the use of car interchange [illegible] transportation. A. E. Averbukh. Torf. p[illegible] 17-21 '64.

PEAT BOGS
(see also subdivision under White Russia)

Compression and filtration consolidation [illegible] of the stressed state of a peat massif. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.[illegible]

PEAT GASIFICATION

Gasification of shredded peat with illuminating gas. [illegible] Sinel'nikov, A. G. Nemchenko, I. L. Glezin. [illegible] no.11:81-87 '62.

PEAT INDUSTRY
(see also subdivision under Moscow Economic Region)

Exchange of experiences by the enterprises of [illegible] councils. Torf. prom. 41 no.3:33-35 '64.

Increase the production of peat briquets. [illegible] kin. Torf. prom. 41 no.3:25-29 '64.

News review. Torf. prom. 41 no.3:39-40 '64.

Results of the work of the peat industry under the Economic Councils of the R. S. F. S. R. during [illegible] tasks in 1964. A. M. Matveev. Torf. prom. [illegible] 1-4 '64.

PEAT MACHINERY

Chernikov, B. P. [Technology of the surface or layer method of procuring peat fertilizers] Tekhnologiia poverkhnostno-posloinoi zagotovki torfianykh [illegible] [Smolensk] Smolenskoe knizhnoe izd-vo, [illegible] [DNAL MICROFILM]

PEAT MACHINERY—PNEUMATIC DRIVING
(see also subdivision under Moscow Economic Region)

Results of the work of the pneumatic BPY machinery [illegible] the peat enterprises under the Economic Councils of the R. S. F. S. R. A. M. Matveev, N. A. Bragin, [illegible] Korshunova. Torf. prom. 41 no.3:6-11 '64.

PEAT MACHINERY—TESTING

Determination of the power needed for peat milling by means of disk cutters. N. I. Bokhan, F. A. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.1:117-119 '64.

PEBBLES

Clay pebbles and their formation. N. P. IUshkin. [illegible] Vses. geog. ob-va 96 no.1:60-64 Ja-F '64.

PECHENGA DISTRICT—CONGLOMERATE

Weathering surface and conglomerates in the L[illegible] Valley of Pechenga District [with summary in English]. M. A. Giliarova. Vest. LGU 10 no.6:22-30 '64.

PECHENGA DISTRICT—WEATHERING

Weathering surface and conglomerates in the Lammas Valley of Pechenga District [with summary in English]. M. A. Gilarova. Vest. LGU 19 no. 6;22-30 '64.

PECHORA BASIN—BRACHIOPODA, FOSSIL

Study of Early Permian Brachiopoda in the Pechora Basin. M.G. Mironova. Vop. paleont. 4:85-99 '64.

PECHORA BASIN—COAL MINES AND MINING

Mining coal seams presenting a danger of outbursts in the Vorkuta deposit. V. M. IAkovlev. Ugol' 39 no. 3: 59-62 Mr '64.

PECTIN

Behavior of pectin substances during juice purification and saccharose crystallization. I. A. Prikhod'ko. Trudy KTIPP no. 27:61-66 '63.

Characteristics of the use of sugar beet pectin in the production of confectionery goods. L. B. Sosnovskii, G. V. Buzina. Khleb. i kond. prom. 8 no. 3;35-37 Mr '64.

Effect of cultivation conditions on the pectin content in apples [with summary in English]. B. P. Khomits'kyi. Ukr. bot. zhur. 21 no. 2;55-60 '64.

PEDIATRICS

Methodology for determining requirements for therapeutic and prophylactic service for children. M. A. Bogomol'skii. Sov. zdrav. 22 no. 8:19-23 '63.

Role of the branches of pediatric polyclinics of the medical aid for new residential areas. V. O. Gotlib. Sov. zdrav. 22 no. 8:51-53 '63.

PEDIATRICS—CONGRESSES

Second All-Russian Conference of Pediatricians. M. M. Bubnova. Vop. okh. mat. i det. 7 no. 6:87-93 Je '62.

PEGMATITES see subdivision under Kazakhstan

PENDULUM

Stability of motion of an unperturbed physical pendulum. D. M. Klimov. Prikl. mat. i mekh. 28 no. 2;364-366 Mr-Ap '64.

PENICILLIN

Comparative evaluation of the new penicillins according to their action on clinical Staphylococcus strains. A. N. Shneerson. Antibiotiki 8 no. 8:695-700 Ag '63.

2, 6-dimethoxyphenyl penicillin (methycillin) and its microbiological study. I. T. Strukov and others. Antibiotiki 8 no. 8;690-694 Ag '63.

Effect of fats on penicillin production. R. Jofo, G. Kleiners. Antibiotiki 8 no. 8;684-689 Ag '63.

Effect of vaccine therapy (by electrophoresis) on the dynamics of some immunological indices in scarlet fever [with summary in English]. P. A. Alisov, A. P. Kazantsev, M. L. Orechkina. Zhur. mikrobiol., epid. i immun. 40 no. 4;26-30 Ap '63.

Penicillin biosynthesis by highly productive strains of Penicillium chrysogenum on media with different carbohydrates. L. M. Lur'e, M. M. Levitov. Antibiotiki 8 no. 8;677-683 Ag '63.

PENICILLIUM

Effect of the application of herbicides in soil on the change in the qualitative composition of fungi of the genus Penicillium. T. G. Zimenko, I. V. Kabailova. Bot.; issl. Bel. otd. VBO no. 5;177-179 '63.

Industrial method of purification, the crystallization, and the properties of glucose oxidase from the fungus Penicillium vitale Pidopl. et Bilai [with summary in English]. M. F. Hulyi, R. II. Dehtiar. Ukr. biokhim. zhur. 34 no. 1:137-145 '62.

PENICILLIUM—CULTURES AND CULTURE MEDIA

Characteristics of the growth and development of Penicillium nigricans under conditions of submerged griseofulvin biosynthesis. L. E. Semkina, N. N. Mustafova, V. K. Grekova. Antibiotiki 8 no. 8;701-705 Ag '63.

Effect of fats on penicillin production. R. Jofo, G. Kleiners. Antibiotiki 8 no. 8;684-689 Ag '63.

Penicillin biosynthesis by highly productive strains of Penicillium chrysogenum on media with different carbohydrates. L. M. Lur'e, M. M. Levitov. Antibiotiki 8 no. 8;677-683 Ag '63.

PENIS—TUBERCULOSIS

Primary tubercular lesion of the skin of the penis [with summary in English]. I. N. Agapkin. Vest. derm. i ven. 37 no. 5;25-27 My '63.

PENSIONERS—EMPLOYMENT

According to his inclination and his specialization. T. Chetvertkova. Sots. obesp. 25 no. 4:11 Ap '64.

PENSIONS

Computation of pensions. A. Zabazlaev. Sots. obesp. 25 no. 4:53-58 Ap '64.

Editor's mail. Sots. obesp. 25 no. 4:59 Ap '64.

Questions and answers. Sots. obesp. 25 no. 4:58-59 Ap '64.

To avoid mistakes. N. Faskheev. Sots. obesp. 25 no. 4: 19-21 Ap '64.

PENTLANDITE

Experimental study of melting and crystallization processes in pentlandite. G. B. Popova, V. V. Ershov, V. A. Kuznetsov. Dokl. AN SSSR 156 no. 3;575-578 '64.

PENTOBARBITAL

Specificity of the effect of nembutal and aminazine on the formation of an unconditioned reflex response of the respiratory and cardioinhibitive centers in interoceptive signalization from the lungs. V. V. IUrov. Nauch. trudy Riaz. med. inst. 15:195-201 '62.

PENTOSES

Colorimetric method for determining pentoses and hexoses in hydrolyzates. T. L. Parfent'eva. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:156-160 '64.

PENZA—LABOR AND LABORING CLASSES

Margulis, A. L. [Good people, good deeds; sketches] Khoroshie liudi, dobrye dela; ocherki. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 91 p.
(CSt-H)

PEPELIAEV, VIKTOR NIKOLAEVICH

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [Struggle for the establishment and consolidation of the Soviet regime in Yakutia] Bor'ba za ustanovlenie i uprochenie Sovetskoi vlasti v IAkutii; sbornik dokumentov i materialov. IAkutsk, IAkutskoe knizhnoe izd-vo.
Pt. 2. Book 2. [Collapse of the Pepeliaev venture] Razgrom pepeliaevskoi avantiury. 1962. 391 p.

PEPSIN

Effect of pepsin on protein digestion in various forms of gastritis. A. A. Tabakov. Lab. delo no. 3:159-161 '64.

PEPTIC ULCER
(see also subdivision under Tiraspol', Moldavia)

Combined pharmaco therapy of peptic ulcer with consideration to its complications in other areas of the digestive system. A. IA. Gubergrits. Kaz. med. zhur. no. 6;31-35 N-D '62.

Determining the volume of the circulating blood and its constants in patients with peptic ulcers. A. V. Spynu. Zdravookhranenie 7 no. 1:43-45 Ja-F '64.

Diet in repeated examinations of the feces for occult blood in peptic ulcer. A. A. Krylov. Vop. pit. 21 no. 5;82-83 S-O '62.

Dispensary service for patients with hypertension and peptic ulcers. A. M. Gol'dberg, E. M. Svider, S. IA. Levandovskaia. Zdravookhranenie 7 no. 1;58-60 Ja-F '64.

Dynamics of the secretory function of the stomach during the reflex and neurochemical phase in peptic ulcers. L. A. Aleksinskaia. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25;59-63 '62.

Multiple tumors of the stomach [with summary in English]. N. N. Elanskii. Khirurgiia 39 no. 6;20-26 Je '63.

Six peptic ulcers of the small intestine following a conservative resection of the stomach in peptic ulcer. A. A. Cherniavskii, P. S. Svesbnikov. Khirurgiia 39 no. 6: 133-134 Je '63.

Use of vitamin B_6 and B_{12} in compound treatment of stomach and duodenal ulcer. S. M. Bremener and others. Vest. AMN SSSR 18 no. 2;85-87 '63.

PEPTIDES

Chemistry of peptides; symposium held at Athens. V. T. Ivanov. Vest. AN SSSR 34 no. 1;63-65 Ja '64.

Depsipeptide analogs of biologically active peptides. Report No. 1: Synthesis of depsipeptide analogs of ophthalmic acid and glutathione. L. A. Shchukina and others. Izv. AN SSSR. Ser. khim. no. 4;685-692 Ap '64.

Formation of an N-peptide bond in the interaction of o-(benzoylphenylananyl-1C^{14})N-benzoylserine with insulin [with summary in English]. M. M. Botvinik, A. P. Andreeva. Biokhimiia 27 no. 6;969-976 N-D '62.

Infrared spectroscope study of the mechanism underlying the formation of p-nitrophenyl esters of benzoyl amino acids and acyl peptides by the carbodiimide method. M. M. Botvinik and others. Dokl. AN SSSR 156 no. 1;88-91 My '64.

Nucleopeptides as possible general intermediate products in the biosynthesis of proteins and nucleic acids. O. P. Chepynoha. Ukr. biokhim. zhur. 34 no. 1;146-157 '62.

PERCEPTION

Brain and psyche. A. N. Leont'ev. Vop. filos. 18 no. 3: 164-168 '64.

PERCEPTRONS

Experiments conducted on a digital computer on the recognition of visual objects. IU. G. Grigor'ian. Izv. AN SSSR. Tekh. kib. no. 2:40-49 Mr-Ap '64.

Petrenko, A. I. [Transformation of graphical data into electrical signals] Preobrazovanie grafikov v elektricheskie signaly. Kiev, Gostekhizdat USSR, 1964. 218 p.

Problems of the theory of sample cognition at the All-Union Conference on Adoptive Control Systems held in Moscow December 10-14, 1963. Avtomatyka 9 no. 2;89-91 '64.

Some problems of the theory of image recognition. I. IA. Levin. Izv. AN SSSR. Tekh. kib. no. 2:50-55 Mr-Ap '64.

PEREL'MAN, NATAN

Natan Perel'man plays. IU. Vereskov. Sov. muz. 27 no. 11:78-80 N '63.

PERELYUB DISTRICT—BANKS AND BANKING

From working with collective farms. F. Gorbylev. Den. i kred. 22 no. 4:63-64 Ap '64.

PERELYUB DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION

From working with collective farms. F. Gorbylev. Den. i kred. 22 no. 4;63-64 Ap '64.

PERENNIALS see subdivision under White Russia

PERFUMES

Russia (1917- R. S. F. S. R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Exchange of practices among cosmetic and perfume factories, enterprises manufacturing synthetic aromatic substances, and ester oil industries] Obmen opytom raboty parfiumerno-kosmeticheskikh fabrik, predpriiatii sinteticheskikh dushistykh veshchestv i efiromaslichnoi promyshlennosti. Moskva, GOSINTI, 1960. 277 p.
(NcD)

PERICARDIUM

Projection anatomy of the intrapericardial segments of the vessels of the heart root. G. N. Toporov. Khirurgiia no. 1:23-27 '63.

PERICARDIUM—HYDATIDS

Multilocular echinococcosis of the pericardium. N. S. Predelin. Khirurgiia no. 1;118-120 '63.

PERINEUM—DISEASES

Atresia of the anus and rectum with fistula in the perineal area [with summary in English]. N. B. Sitkovskii. Vest. khir. 90 no. 5;111-113 My '63.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

Certain physical and chemical properties of metal - mercury systems and D. I. Mendeleev's periodic table of elements. V. P. Gladyshev. Vest. AN Kazakh. SSR 19 no. 11;53-57 N '63.

Periodic law, isomorphism and paragenesis of elements. K. A. Vlasov. Dokl. AN SSSR 155 no. 5:1091-1094 Ap '64.

PERIODICITY

Causes of the seasonal nature of droplet infections. Kh. A. Manev. Zhur. mikrobiol., epid. i immun. 40 no. 9:73-78 S '63.

PERIODONTIA

Comparative evaluation of some modern single-treatment methods of treating periodontitis. V. S. Ivanov. Trudy TSIU 64;27-32 '63.

Papillon-Lefèvre syndrone and its significance in the diagnosis of parodontopathies. A. M. Pomerantseva. Trudy TSIU 64;39-41 '63.

Treatment of periodontitis of the permanent teeth in children. T. F. Vinogradov. Trudy TSIU 64;21-26 '63.

PERIPHERAL NERVES see Nerves, Peripheral

PERITONITIS
(see also subdivision under Antarctic regions)

Acute peritonitis following internal urethrotomy. G. S. Babitskii. Zdrav. Bel. 9 no. 6;78-79 Je '63.

Changes in the rabbit peritoneum under the effect of novocaine. A. A. Savinovskaia. Eksper. khir. i anest. 8 no. 4:23-27 Jl-Ag '63.

Local cooling as a nonspecific stimulant of defense reactions during peritonitis. B. N. Abrakhanova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1;101-107 '63.

PERKEL', IOSIF DAVIDOVICH, d. 1952

Obituaries. Vest. derm. i ven. 37 no. 4:85-86 Ap '63.

PERLITE (MINERAL)

Activation of the hardening of lime and naturally calcined clay binding materials with admixtures of natural perlites. G. I. Knigina, T. S. Balandina. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:92-100 '63.

PERM PROVINCE—PAINTINGS

Serebrennikov, N. N. [Artists of Perm] Khudozhniki Permi. Leningrad, Khudozhnik RSFSR, 1963. 67 p. plates.
(MH)

PERMAFROST see Frozen ground

PEROVO (MOSCOW PROVINCE)—HIGHWAY TRANSPORT WORKERS—EDUCATION AND TRAINING

Man behind the wheel. A. Slovokhotnov. Sov. profsoiuzy 20 no. 8;30-32 Ap '64.

PEROVSKITE

[illegible] aspects of the crystallochemistry of complex perovskites. E.G. Fesenko, V.S. Filip'ev, M.F. K[illegible]. Izv. AN SSSR. Ser. fiz. 28 no.4:659-674 Ap '64.

PEROXIDASES

[illegible] in Chlorella [with summary in English]. [illegible], N.P. Tupik, P.O. Kolesnykov. Dop. AN URSR no.2:[illegible]-241 '64.

PEROXIDES

[illegible] determination of peroxides. V.N. Pavlov, [illegible], Z.S. Frolova. Zav. lab. 30 no.5:539-[illegible] '64.

Rate of [illegible] decomposition of unsaturated organosili[illegible]. A.K. Litkovets, T.I. IUrzhenko. Dokl. AN SSSR 154 no.3:[illegible]-662 Ja '64.

PEROXY COMPOUNDS

Peroxy derivatives of organoaluminum compounds as initiators of radical polymerization. Report No.1: System organoaluminum compound - oxygen or isopropylbenzene hydroperoxide. E.B. Milovskaia, T.G. Zhuravleva, P.I. Dolgopol'skaia. Izv. AN SSSR. Ser. khim. no.4:720-726 Ap '64.

PEROXYCARBONATES

Study of the properties of peroxycarbonates in solution. Report No.1: Problem of the "actual existence" of peroxycarbonates and their oxidation-reduction potentials. A. Prokopcikas, A. Vaskelis. Trudy AN Lit. SSR. Ser. B no.1:61-71 '63.

PERRIERITE see subdivision under **Baikal Lake region**

PERSIA see **Iran**

PERSONAL INJURIES

Let us improve the laws which protect the health of Soviet citizens. A. Filippov. Sots. zakon. 40 no.12:19-24 D '63.

PERSONALITY

Filippov, F.R. [The role of the popular masses and personalities in history; a textbook for students at the secondary special schools of social sciences] Rol' narodnykh mass i lichnosti v istorii; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [n.p.] Vysshaia shkola, 1964. 33 p.

"Psychology of personality." M.I. Smirnov. Sov. pedag. 28 no.4:141-145 Ap '64.

PERSONNEL MANAGEMENT see subdivision under **Chelyabinsk Province**

PERSPIRATION

Heat exchange during sun baths. G.A. Ushveridze, M.N. Dgebuadze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:69-77 '63.

PERTURBATION

Instability of dynamic systems with many degrees of freedom. V.I. Arnol'd. Dokl. AN SSSR 156 no.1:9-12 My '64.

Relativistic equation for the S-matrix in the p-representation. Part 2. Perturbation theory [with summary in English]. V.G. Kadyshevskii. Zhur. eksp. i teor. fiz. 46 no.3:872-883 Mr '64.

Steady-state resonance modes of certain oscillatory systems. V.M. Volosov, B.I. Morgunov. Dokl. AN SSSR 156 no.1:50-53 My '64.

Use of the perturbation theory in solving the turbulence problem. A.S. Monin. Prikl. mat. i mekh. 28 no.2:319-325 Mr-Ap '64.

PERU—FISHERIES

Fishing industry in Peru. A.B. Kuz'michev. Ryb. khoz. 40 no.3:79-83 '64.

PERU—PETROGLYPHS

Recently discovered monuments of the culture of ancient America. O. Prokof'ev. Iskusstvo 26 no.12:74-76 '63.

PESCHANYY ISLAND—DIESEL FUELS

High-cetane diesel fuel from the petroleum of Peschanyy Island. M.G. Mamedli, Kh.A. Mirzabekova, P.Kh. Ismailov. Izv. vys. ucheb. zav.; neft' i gaz 6 no.12:65-68 '63.

PESCHANYY ISLAND—OIL WELL DRILLING, SUBMARINE

One of the basic difficulties involved in deep slant well sinking on Peschanyy Island. S.A. Nazirov, A.A. Akhmedov, S.T. Manafov. Azerb. neft. khoz. 43 no.4:14-16 Ap '64.

PESCHANYY-MORE OIL FIELD—OIL FIELD BRINES

Hydrogeological and hydrochemical characteristics of the Peschanyy-More oil field. A.M. Polaudin, E.B. Khalafli, B.A. Shapiro. Azerb. neft. khoz. 43 no.4:7-10 Ap '64.

PESCHANYY PENINSULA—FISHES, FOSSIL

Remnants of fish populations of the second and first millennium B.C. on the Peschanyy Peninsula in the Maritime Territory. E.A. TSepkin. Nauch. dokl. vys. shkoly; biol. nauki no.2:35-38 '64.

PESTICIDES

Galakhov, P.N., and A.A. Shumakova. [New poisonous chemicals for protecting farm crops against pests and diseases] Novye iadokhimikaty [dlia zashchity sel'skokhoziaistvennykh kul'tur ot vreditelei i boleznei. n.p.] Vystavka dostizhenii narodnogo khoziaistva SSR [n.d.] 22 p.
(DNAL)

PESTS—EXTERMINATION

Existence of an aerodynamic crisis when a stream of light aerosols or gas is allowed to propagate in a closed room. V.F. Dunskii, A.I. Sidorov. Inzh.-fiz. zhur. 7 no.3:42-45 Mr '64.

PETERNIEKI REGION (LATVIA)—LIMING OF SOILS

Liming peat-bog soils. E. Cinis. Zemledelie 26 no.1:34-36 Ja '64.

PETROCHEMICALS see **Petroleum chemicals**

PETROGLYPHS see subdivision under **Pamirs ; Peru**

PETROLEUM see subdivision under **Caucasus, Northern; Surakhany Oil Field**

PETROLEUM—ANALYSIS
(see also subdivision under **Bashkiria; Chechen-Ingush A.S.S.R.; Khayan-Kort region; Ob' Valley; Shkapovo Oil Field; Volgograd Province; Yusupovo Oil Field**)

Calculating the washover of a sampler. N.A. Gukasov. Nauch.-tekh. sbor. po dob. nefti no.21:103-107 '63.

Estimating errors in the investigation of deep-well oil samples. IU.V. Kapyrin, G.F. Trebin. Nauch.-tekh. sbor. po dob. nefti no.21:62-67 '63.

PETROLEUM—CONGRESSES

Sixth World Petroleum Congress. N.S. Nametkin, V.V. Panov. Vest. AN SSSR 34 no.2:79-81 F '64.

PETROLEUM—OPTICAL PROPERTIES see subdivision under **Ukraine**

PETROLEUM—STORAGE

Device for attaching connections in rubber hoses. A.V. Gromov. Mash. i neft. obor. no.3:20-21 '64.

Effect of petroleum products and water on the physicomechanical properties of polyethylenes. M.V. Lykov, IU.M. Mikheev. Transp. i khran. nefti i nefteprod. no.2:19-24 '64.

Instruments for measuring static electric charges. V.N. Shikhov, S.F. Popov. Neft. khoz. 41 no.12:49-54 D '63.

PETROLEUM—TRANSPORTATION
(see also subdivision under **Volgograd Province**)

Accelerating the discharge of petroleum products from a barge. G.V. Kravtsov. Transp. i khran. nefti no.11:41 '63.

Effect of petroleum products and water on the physicomechanical properties of polyethylenes. M.V. Lykov, IU.M. Mikheev. Transp. i khran. nefti i nefteprod. no.2:19-24 '64.

Operation of the end packing of 14N12x2 mainline pumps in petroleum pumping stations. P.I. Chulin. Transp. i khran. nefti i nefteprod. no.3:6-8 '64.

Our objectives. A.A. Keller. Transp. i khran. nefti i nefteprod. no.1:7-10 '64.

Proportional development of various types of petroleum-products transportation. A.N. Markova, M.F. Smirnov. Transp. i khran. nefti i nefteprod. no.2:37-40 '64.

Using an ejector in pumping stations for pumping out leakage. V.I. Kharlamenko, N.G. Sadaev, V.P. Rudnev. Transp. i khran. nefti no.11:11-13 '63.

PETROLEUM, HEATING OF

Hinge-joint metal pipes for heating mazut. A.V. Gromov. Transp. i khran. nefti no.11:24-25 '63.

Operation of electric heaters. E.A. Skliazhenko. Transp. i khran. nefti i nefteprod. no.1:24-27 '64.

PETROLEUM CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

Selecting the safety factor in calculations of petrochemical apparatus for strength. V.M. Kulakov. Mash. i neft. obor. no.3:10 '64.

PETROLEUM CHEMICALS
(see also subdivision under **Azerbaijan**)

Chemistry and the petroleum industry. H.K. Baibakov. Transp. i khran. nefti i nefteprod. no.1:3-6 '64.

Shakhtakhtinskii, T.N. [Aliphatic oxygen-containing monomers and polymers] Alifaticheskie kislorodsoderzhashchie monomery i polimery. Baku, Azerneshr, 1963. 150 p.

Work of the collective of the Grozny Petroleum Scientific Research Institute in the development of new technological processes in oil refining and petroleum chemistry. A.Z. Dorogochinskii. Trudy GrozNII no.15:3-15 '63.

PETROLEUM CHEMICALS—CLASSIFICATION

Economic significance of the use of chemicals in petroleum refining and the classification of these chemicals. K.V. Kostrin, L.I. Kolbina, Z.N. Toskina. Trudy BashNII NP no.6:283-293 '63.

PETROLEUM COKE

Contact coking of a cracking residue [illegible] powdered coke on a pilot plant. D.E. [illegible] others. Trudy GrozNII no.15:61-74 '63.

Obtaining and testing a test sample of [illegible] derived from the contact coking of a [illegible] residue. B.K. Amerik and others. [illegible] no.15:105-110 '63.

PETROLEUM COKE—COMBUSTION

Investigating the kinetic laws of the [illegible] petroleum coke. IU.P. [illegible] Trudy GrozNII no.15:111-118 '63.

PETROLEUM COKE—DENSITY

Apparent and bulk densities of petroleum [illegible] and others. Neftepere. i neftekhim. [illegible]

PETROLEUM ENGINEERING

Investigation of wells in the case of [illegible] falling below saturation pressure. [illegible] Kaptelinin. Vest. AN Kazakh. SSR 19 [illegible] '63.

PETROLEUM ENGINEERS—EDUCATION AND TRAINING

Raise the level of the training of petroleum [illegible] Izv. vys. ucheb. zav.; neft' i gaz [illegible]

PETROLEUM GEOLOGY
(see also subdivision under **Apsheron Peninsula; Azerbaijan; Bashkiria; Caucasus; Caucasus, [illegible] Daghestan; Fergana; Gabon; [illegible] Oil Field; Kuma Valley, Stavropol Territory; Kuibyshev Province; Mangyshlak Peninsula; [illegible] Oil Field; Neftyanyye Kamni Oil Field; [illegible] Orenburg Province; Pripet Valley; [illegible] Oil Field; Shkapovo Oil Field; Siberia; [illegible] Province; Terek Valley; [illegible] Province; Tunguska Basin; Ust'-Balyk Oil Field; Ustyurt; Verkhoyansk Range; Vilyuy [illegible] Province; West Siberian Plain; Western [illegible] Field; Zeya-Bureya Plain; Zyrya Oil Field**)

Basic characteristics of the relief of the [illegible] surface of the basement of the U.S.S.R. [illegible] to an evaluation of the prospects for [illegible] N.I. Buialov, E.V. Zakharov. Sov. [illegible] Ap '64.

Classification of pools on the basis of [illegible] tion. K.V. Fomkin. Izv. vys. ucheb. [illegible] 7 no.4:3-5 '64.

Dolitskii, V.A., E.F. Frolov, and N.A. [illegible] comps. [Oil and gas prospecting methods] M[illegible] poiskovo-razvedochnykh rabot na neft' i gaz. [illegible] Izd-vo "Nedra," 1964. 657 p.

Establishing a basis for determining [illegible] estimating hypothetical reserves. [illegible] geofiz. no.12:47-51 '63.

Moscow. Institut geologii i razrabotki goriuchikh iskopaemykh. [Experimental investigations in the development of deep oil and gas fields] Eksperimental'nye issledovaniia v oblasti razrabotki glubokikh neftianykh i gazovykh mestorozhdenii. Moskva, [illegible] 1964. 207 p.

New manual on prospecting for oil and gas. [illegible] bov, I.S. Mustafaev, B.S. Molda[illegible]. [illegible] zav.; neft' i gaz 5 no.[illegible]:62, 70 '62.

Using hydraulic prospecting in studying the [illegible] oil fields. I.G. Stepin. Sov. geol. 7 no.4 [illegible] '64.

PETROLEUM INDUSTRY
(see also subdivision under **Africa; Kazakhstan, Kuwait, Arabia (State); Soviet Central Asia**)

Chemistry and the petroleum industry. H.K. [illegible] Transp. i khran. nefti i nefteprod. no.1:3-6 '64.

Inductive flow gauge of a pulse-time remote [illegible] tem. Ch.A. Abdullaev. Izv. vys. ucheb. zav.; neft' i gaz 5 no.9:97-99 '62.

Prospects for the development of the petroleum and chemical industries in the Soviet Union. N.M. [illegible] Neft. khoz. 42 no.1:1-8 Ja '64.

Sixth World Oil Congress Geology and Geochemistry Section. Neft. khoz. 41 no.12:67-70 D '63.

PETROLEUM INDUSTRY—ACCIDENTS

Andreev, N.N. [Method for analyzing industrial traumatism in the petroleum industry] Metodika analiza proizvodstvennogo travmatizma v neftedobyvaiushchei promyshlennosti. Moskva, Nedra, 1964. 90 p.

PETROLEUM INDUSTRY—ACCOUNTING

Mechanizing accounting work. Transp. i khran. nefti [illegible] no.11:40-41 '63.

PETROLEUM INDUSTRY—BY-PRODUCTS
(see also subdivision under **Baku**)

Efficient methods of the application of organic fertilizers derived from petroleum by-products for the increase of cabbage yields [in Azerbaijan] with summary in [illegible] K.M. Askerov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:79-84 '63.

Petroleum growth promoting substance pays for itself at a high rate. A. Shul'gin. Ekon. sel'khoz. [illegible] 104-106 Ap '64.

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Concentration of stresses in numerous grooves. M.D. Smirnov. Izv. vys. uch. zav. ; neft' i gaz 5 no. 9;93-96 '62.

Possibility of using polyamides in the oil industry. IU.M. Mikheev, L. M. Lykov. Transp. i khran. nefti i nefteprod. no. 1:28-32 '64.

PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

(see also subdivision under Saratov)

Comrades of arms. M. Sukilasov. Pozh. delo no. 3:27 Mr '64.

PETROLEUM INDUSTRY—HYGIENIC ASPECTS

Results of the organization of studies in the epidemiology of cardiovascular diseases among workers in the petroleum industry. L. I. Geller and others. Sov. zdrav. 22 no. 8:40-44 '63.

PETROLEUM INDUSTRY—MANAGEMENT

Use all reserves for increasing the productivity and economic efficiency of enterprises. L. I. Kazakov. Transp. i khran. nefti i nefteprod. no. 2:41-42 '64.

PETROLEUM PIPELINES

Automatic evacuation of viscous oils and petroleum products from pipelines. K. G. Donets, V. I. Chernikin. Transp. i khran. nefti no. 11:3-6 '63.

Determining the indices for a criterional equation when there is insufficient amount of experimental data. L. S. Abramzon, S. G. Edigarov. Transp. i khran. nefti i nefteprod. no. 3:3-5 '64.

Determining the safety time for the shutdown of a pipeline without expelling a high-solidification petroleum product. P. I. Tugunov. Neft. khoz. 42 no. 5:66-69 My '64.

Flow discontinuity in the consecutive pumping of various petroleums or petroleum products along one pipeline. K. G. Donets, V. I. Chernikin. Neft. khoz. 42 no. 5:60-65 My '64.

Increasing the economic efficiency of the operation of centrifugal pumps in the transportation of highly viscous oils and mazuts through petroleum pipelines. S. A. Gross. Neft. khoz. 42 no. 1:57-63 Ja '64.

Methods and equipment for the experimental determination of temperature and velocity fields in "hot" pipelines. S. G. Edigarov and others. Transp. i khran. nefti i nefteprod. no. 2:7-16 '64.

Number of cycles in consecutive pumping. K. D. Frolov, B. N. Golubev. Transp. i khran. nefti i nefteprod. no. 1:11-16 '64.

Optimal speeds in consecutive pipelining of petroleum and petroleum products. D. A. Cherniaev. Neft. khoz. 41 no. 12:54-50 D '63.

Overhead "hot" pipe laying shaped like a flexible curved coil. P. P. Borodavkin, L. I. Bykov. Izv. vys. ucheb. zav. ; neft' i gaz 7 no. 4:79-83 '64.

Possibilities of saving electric energy in the operation of pipelines. P. I. Abramson. Transp. i khran. nefti i nefteprod. no. 3:8-11 '64.

Present status of and prospects for the technical development of the pipeline transportation of petroleum and petroleum products. N. N. Borisov. Transp. i khran. nefti i nefteprod. no. 2:3-7 '64.

Reducing the specific energy consumption in the operation of petroleum pipelines. S. A. Gross. Transp. i khran. nefti i nefteprod. no. 2:16-18 '64.

Results of tests of instruments for monitoring the consecutive pumping of petroleum products. A. A. Vargin. Transp. i khran. nefti i nefteprod. no. 2:43-45 '64.

Selection of boundary conditions in lifting an infinite pipeline. V. L. Berezin, K. E. Rashchepkin, E. M. IAsin. Izv. vys. ucheb. zav. ; neft' i gaz 6 no. 12:69-74 '63.

PETROLEUM PIPELINES—COMMUNICATION SYSTEMS

Chief operator's switchboard using transistor elements. I. S. Malkis, N. V. Bespalov. Transp. i khran. nefti i nefteprod. no. 2:28-31 '64.

PETROLEUM PIPELINES—CORROSION

Effect of the salt content, ion composition, the value of pH, and the degree of ground aeration on the corrosion of underground steel pipelines under the influence of a. c. M. A. Tolstaia, E. I. Ioffe, I. V. Poteminskaia. Transp. i khran. nefti i nefteprod. no. 1:16-23 '64.

Investigating the operation of the vertical screw pumps of the UIM-14 machine for applying protective coatings. K. E. Rashchepkin and others. Transp. i khran. nefti no. 11:6-11 '63.

PETROLEUM PIPELINES—MAINTENANCE AND REPAIR

Depreciation standard for overall repairs of petroleum products pipelines. Z. L. Kontorovich, A. P. Banin, V. A. Golubnichii. Transp. i khran. nefti i nefteprod. no. 3:31-37 '64.

Establishing norms for pipeline overhauling operations by the method of moment observations. A. P. Martynov. Transp. i khran. nefti i nefteprod. no. 1:37-41 '64.

Establishing norms for the consumption of materials when overhauling pipelines. A. P. Martynov, Z. I. Batekina. Transp. i khran. nefti no. 11:36-39 '63.

Stressed state of a working pipeline during overhauling. K. E. Rashchepkh, V. L. Berezin. Izv. vys. uch. zav. ; neft' i gaz 5 no. 9:77-81 '62.

PETROLEUM PRODUCTION

(see also subdivision under **Alaska; Arlan Oil Field; Bavly Oil Field; Khayan-Kort Oil Field; Krasnoyar Oil Field; Surakhany Oil Field; Turkmenistan; Volgograd Province; Western Tebuk Oil Field**)

Concerning the article by V. IU. Kim "Method for calculating the cumulative production at a known bottom pressure." G. P. Guseinov, D. G. Almamedov. Neft. khoz. 42 no. 5:58-59 My '64.

Exploiting wells with a filter covered by coarse sand. S. S. Aleskerov and others. Neft. khoz. 41 no. 12:36-40 D '63.

Liquid level regulators. M. A. Remke. Nefteprom. delo no. 3:35-38 '64.

Sixth World Oil Congress Petroleum Production Section. Neft. khoz. 41 no. 12:70-73 D '63.

PETROLEUM PRODUCTION—ACCOUNTING

Daily internal business accounting in the enterprises of the Petroleum Production Administration of the Dolina Petroleum Trust. V. D. Karmazin. Nefteprom. delo no. 3:28-30 '64.

Volumes of information in the existing forms of accounting in petroleum production enterprises. A. G. Mamikonov, N. I. Komkov. Neft. khoz. 42 no. 5:54-58 My '64.

PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES

Advantages of the stamped-welded equipment for flowing wells. R. A. Ramazanov, M. S. Feigel'man. Azerb. neft. khoz. 43 no. 4:44-46 Ap '64.

Developing and testing a film corrosion inhibitor. V. A. Sheremet'ev, V. P. Barannik. Neft. khoz. 42 no. 1:42-47 Ja '64.

Simplified method for selecting additional load for lowering deep well instruments into flowing wells. G. A. Mataev and others. Nefteprom. delo no. 3:17-18 '64.

PETROLEUM PRODUCTION—FINANCE

Determining the consolidated capital investment indices in oil fields. V. A. Shein, I. S. Poliantsev. Nefteprom. delo no. 3:25-27 '64.

PETROLEUM PRODUCTION—IN-SITU COMBUSTION see subdivision under Czechoslovakia

PETROLEUM PRODUCTION—LABOR PRODUCTIVITY

Moscow. TSentral'noe biuro promyshlennykh normativov po trudu. [Standards for servicing equipment and quantity norms for workers in nonautomated fields] Normy obsluzhivaniia oborudovaniia i normativy chislennosti rabochikh dlia neavtomatizirovannykh promyslov. Moskva, Izd-vo "Nedra," 1964. 82 p.

Moscow. TSentral'noe biuro promyshlennykh normativov po trudu. [Standards for servicing equipment and quantity norms for workers in the drilling bureau] Normy obsluzhivaniia oborudovaniia i normativy chislennosti rabochikh dlia kontor bureniia. Moskva, Izd-vo "Nedra," 1964. 70 p.

PETROLEUM PRODUCTION—TABLES, CALCULATIONS, ETC.

Calculating an optimal plan for regional oil production by the simplex method. V. P. Kaufman, M. G. Danelian, R. A. Akopian. Izv. vys. uch. zav. ; neft' i gaz 5 no. 9:105-110 '62.

PETROLEUM PRODUCTS

Brief news. Neft. khoz. 42 no. 1:70-71 Ja '64.

Photochemical oxidation of petroleum products used as insecticides. S. F. Bezuglyi, I. G. Sarishvili, G. A. Larina. Khim. v sel'. khoz. 2 no. 2:26-29 F '64.

Selecting a heat carrier for the contact pyrolysis of gases and gasoline fractions. E. M. Breshchenko and others. Trudy GrozNII no. 15:176-186 '63.

Speransov, N. N. [How to prevent petroleum product losses] Kak predupredit' poteri nefteproduktov [Moskva] Mosk. rabochii, 1963. 66 p.

PETROLEUM PRODUCTS—ANALYSIS

Installing and using UDU level indicators and PSR-4 samplers. A. D. Dzhabrailov. Transp. i khran. nefti i nefteprod. no. 2:31-33 '64.

PETROLEUM PRODUCTS—COSTS

Partial changes in the order of calculating the cost of petroleum products. L. A. Kashnitskii. Izv. vys. ucheb. zav. ; neft' i gaz 6 no. 12:107-111 '63.

PETROLEUM PRODUCTS—THERMAL PROPERTIES

Experimental investigation of the heat conductivity of four petroleum products samples. V. N. Popov, N. V. TSederburg, N. A. Morozova. Izv. vys. ucheb. zav. ; neft' i gaz 7 no. 4:71-74 '64.

PETROLEUM REFINERIES

(see also subdivision under **Denmark; Moscow**)

Operations at the Novoufimka Petroleum Refinery. P. A. Naimushin. Nefteper. i neftekhim. no. 4:3-6 '64.

PETROLEUM REFINERIES—HYGIENIC ASPECTS see subdivision under Krasnovodsk

PETROLEUM REFINING

(see also subdivision under **Azerbaijan; Bashkiria; Chechen-Ingush A. S. S. R. ; Ozeksuat Oil Field**)

Corrosion of metals in processes of the hydrodesulfuration of petroleum products. L. D. Zakharochkin. Nefteper. i neftekhim. no. 4:38-41 '64.

Corrosion of metals in the hydrogenation process of the desulfuration of petroleum products. L. L. Zakharochkin. Nefteper. i neftekhim. no. 3:34-37 '64.

Determining the evaporation losses from the composition of the overhead oil. N. D. Gritsev. Neft. khoz. 42 no. 1:47-50 Ja '64.

Economic significance of the use of chemicals in petroleum refining and the classification of these chemicals. K. V. Kostrin, L. I. Kolbina, Z. N. Toskina. Trudy BashNII NP no. 6:283-293 '63.

Effect of a concentration of n-paraffins in a hydrocarbon mixture on complexing with urea in a water solution. F. A. Chegodaev, B. V. Klimenok. Izv. vys. ucheb. zav. ; neft' i gaz 7 no. 4:55-59 '64.

Examining a double-chamber furnace with an inclined arch. M. L. Kreimer. Trudy BashNII NP no. 6:240-251 '63.

Expansion of the petroleum refining industry in the capitalist countries. Nefteper. i neftekhim. no. 4:45-46 '64.

High-viscosity distillates as an additional resource in the production of motor oils. V. S. Akimov and others. Trudy BashNII NP no. 6:24-34 '63.

Increasing the wear resistance of a granulated refractory clay used as a heat carrier. L. R. Strigina, K. G. Lavrent'ev, E. M. Breshchenko. Nefteper. i neftekhim. no. 11:13-15 '63.

Industrial experience in obtaining paraffin from a lubricant distillate of sour crudes. I. I. Cherek and others. Trudy BashNII NP no. 6:34-43 '63.

Manganese method for the removal of sulfur from sulfur-bearing crudes. V. T. Chaguava, E. R. Dzneladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:23-28 '63.

Mechanical strength of aluminum-chromium-potassium catalysts. E. M. Breshchenko, V. G. Remizov. Trudy GrozNII no. 15:187-194 '63.

New instruments for measuring technological parameters in petroleum refining and petroleum chemistry. B. Z. Votlokhin, G. B. Shots. Trudy GrozNII no. 15:353-365 '63.

Perfecting laboratory instruments. S. G. Khabibullin. Trudy BashNII NP no. 6:178-182 '63.

Place for the intermediate cooling of an absorbent. A. A. Kuznetsov, E. N. Sudakov. Izv. vys. ucheb. zav. ; neft' i gaz 7 no. 4:63-66 '64.

Refining sour mazuts. B. K. Amerik and others. Trudy GrozNII no. 15:42-48 '63.

Refining sweet mazuts. B. K. Amerik and others. Trudy GrozNII no. 15:49-58 '63.

Sedimentation kinetics and the removal of impurities from petroleum. G. A. Pektemirov. Trudy VNIING no. 2:71-77 '63.

Selecting parameters for the monitoring and controlling the quality of petroleum products. M. I. Shpunt. Nefteper. i neftekhim. no. 3:38-40 '64.

Studying the possibility of obtaining rubrax from eastern sour crudes. R. S. Akhmetova, A. P. Gniloukhova. Trudy BashNII NP no. 6:43-49 '63.

Work of the collective of the Grozny Petroleum Scientific Research Institute in the development of new technological processes in oil refining and petroleum chemistry. A. Z. Dorogochinskii. Trudy GrozNII no. 15:3-15 '63.

PETROLEUM REFINING—COSTS

Calculating production costs in petroleum refining. G. A. Terent'ev. Trudy BashNII NP no. 6:279-283 '63.

Economics of the production of benzene from crude. M. M. Umanskii, K. F. Voronkova. Trudy GrozNII no. 15:366-371 '63.

PETROLEUM REFINING—DESALTING

Plant test of a hydroxyethylated fatty acid demulsifier for desalting oil. N. E. Kazantsev, M. G. Isaev, V. P. Cherevaiko. Nefteper. i neftekhim. no. 4:10-12 '64.

PETROLEUM REFINING—DEWAXING

Carbamide dewaxing of hydrocleaned diesel fuel. L. N. Pirkis, M. I. Bondar', B. V. Klimenok. Izv. vys. ucheb. zav. ; neft' i gaz 6 no. 12:57-59 '63.

Dewaxing of residual oils in a propane solution. A. N. Pereverzev. Trudy GrozNII no. 15:229-240 '63.

Effect of certain depressants on the nature of the crystallization of solid hydrocarbons in the dewaxing of residual raffinates. Mokhamed Fauzi, B. N. Kartinin, N. I. Chernozhukov. Izv. vys. ucheb. zav. ; neft' i gaz 6 no. 12:61-63 '63.

Effect of the acetone content in a solvent on dewaxing. V. S. Akimov, D. O. Gol'dberg, M. I. Efremova. Trudy BashNII NP no. 6:112-122 '63.

Gathering and using a solvent enriched by acetone in a dewaxing unit. A. P. Belogradskii, A. M. Shevtsov. Nefteper. i neftekhim. no. 4:13-14 '64.

PETROLEUM REFINING—DEWAXING (Continued)

[illegible] during the reaction of oil with a [illegible]. F.A.S[illegible], B.V.Klimenok, [illegible] no.9:57-61 '62.

[illegible] of the feed of a solvent and recirculation [illegible] of raffinate. V.S.Akimov, B.A. [illegible], L.G.[illegible]. Neftepor.i neftekhim. no.4:11-17 '64.

[illegible] conditions for the dewaxing of distillate [illegible]. G.I.Glazov, M.I.Fal'kovich, N.I.Chernozhukov. Neftepor.i neftekhim. no.3:7-10 '64.

PETROLEUM REFINING—ELECTRONIC EQUIPMENT

[illegible] instrument for measuring the interface level of [illegible] and extract solutions. V.P.Stepanov and others. Mash.i neft.obor. no.3:22-25 '64.

PETROLEUM REFINING—EQUIPMENT AND SUPPLIES
(see also subdivision under Bashkiria)

Automatic control of a separator unit. B.M.Levin. [illegible] no.3:31-34 '64.

Improving an enlarged deasphalting unit. P.A.Derekh, [illegible]. Neftepor.i neftekhim. no.11:7-10 [illegible]

[illegible] and the evaluation of certain methods for designing rectifying columns for industrial petroleum refining. IU.I.Kozorezov and others. Trudy GrozNII no.15:141-164 '63.

Operation of an industrial electric cleaning plant. M.G. Mitrofanov, N.I.Brodarenko, G.S.Kozhevnikov. Trudy GrozNII no.15:143-147 '63.

Reducing the corrosion on the apparatus of atmospheric still units. V.F.Negreev, Kh.K.Dadashev, M.F. Zavoitseva. Neftepor.i neftekhim. no.11:46-49 '63.

Results of an examination of the metal parts of a catalytic reforming apparatus. V.P.Teodorovich, N.N.Kolgatin, V.I.Derlabina. Mash.i neft.obor. no.3:15-20 '64.

Selecting an efficient arrangement for distilling oil in [illegible] pressure and pressure-vacuum distillation units. I.T.Bagirov. Azerb.neft.khoz. 43 no.4:34-38 Ap '64.

Test results of an experimental plant rotary disk contactor. M.G.Mitrofanov and others. Trudy GrozNII no.15:213-219 '63.

PETROLEUM WASTE
(see also subdivision under Volgograd)

Chemical-flotation and electric-flotation methods for the purification of waste waters. P.G.Aizenshtain and others. Neftepor.i neftekhim. no.3:19-21 '64.

Efficient field crops growth stimulant from petroleum refining wastes. I.Kh.Arutiunov, A.I.Stolov, V.A. [illegible]. Neftepor.i neftekhim. no.11:22-24 '63.

PETROLOGY
(see also subdivision under Northern Donets Valley; Pacific Ocean)

Chernov, V.I., and N.G.Lin. [Practical handbook on the petrographic study of igneous rocks with a microscope] Prakticheskoe rukovodstvo po petrograficheskomu izucheniiu magmaticheskikh porod pod mikroskopom. [Petrozavodsk], Rosvuzizdat, 1963. 76 p.

Explosive forms of the intrusive process. A.M.Borsuk, IU.P.Masurenkov. Izv.AN SSSR.Ser.geol. 29 no.4: 38-55 Ap '64.

PETROLOGY—BIBLIOGRAPHY see Bibliography—Petrology

PETROLOGY—CONGRESSES

Important tasks in front of lithology; Sixth All-Union Conference. N.G.Brodskaia. Vest.AN SSSR 34 no.1: 103-104 Ja '64.

PETROV, PETR IVANOVICH, 1884-

Petr Ivanovich Petrov; on the occasion of his eightieth birthday. N.A.Kuznetsova. Nar.Az.i Afr. no.3: 215-218 '64.

PEUCEDANIN

New drugs. G.I.Marzeeva. Vest.derm.i ven. 37 no.4: 74 Ap '63.

PEVTSOV, MIKHAIL VASIL'EVICH, 1843-1902

M.V.Pevtsov's unknown photographs. S.A.Ogurtsov. Izv.Omsk.otd.Geog.ob-va no.5:182-183 '63.

PHAGOCYTOSIS

Cytologic study of the process of recovery in animals immunized by Vi antigen and infected by virulent typhoid fever bacilli. Report No.2 [with summary in English]. M.P.Pokrovskaia and others. Zhur. mikrobiol., epid.i immun. 40 no.9:79-82 S '63.

Effect of desoxycorticosterone acetate on the phagocytic activity of leucocytes in children with intestinal toxicosis [with summary in English]. E.I.Sukmanskaia. Pediatriia 42 no.9:82-85 S '63.

Local cooling as a nonspecific stimulant of defense reactions during peritonitis. B.N.Abrakhanova. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:101-107 '63.

Phagocytic capacity in cellular elements of macrophage cultures in vitro. Report No.2 [with summary in English]. N.N.Ginsburg, T.N.Maslova. Zhur.mikrobiol., epid.i immun. 40 no.4:62-66 Ap '63.

Some immunity indices in corynebacterium diphtheriae carriers [with summary in English]. O.N.Kostiukovskaia. Zhur.mikrobiol.,epid.i immun. 40 no.4:20-22 Ap '63.

PHARMACEUTICAL CHEMISTRY see Chemistry, Medical and pharmaceutical

PHARMACEUTICAL SOCIETIES see subdivision under Ukraine

PHARMACISTS see subdivision under Ukraine

PHARMACOGNOSY—STUDY AND TEACHING
(see also subdivision under Leningrad)

Aids for better understanding of the pharmacognosy course. V.V.Dement'eva. Apt.delo 11 no.5:57-59 S-O '62.

Teaching of pharmacognosy in the pharmaceutical school closer to the future profession. I.Z.Rybachuk. Apt. delo 11 no.5:56-57 S-O '62.

PHARMACOLOGY

Change in the quantity of eosinophils in the peripheral blood in healthy people due to the administration of strychnine, caffeine and ephedrine. V.D.Koz'min, V.N.Leonova. Nauch.trudy Riaz.med.inst. 15:38-41 '62.

Kingisepp, Georg. [Pharmacology] Farmakoloogia. Tallinn, Eesti Riiklik Kirjastus, 1963. 586 p. [In Estonian]
(DNLM)

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref.zhur.: Farm. Toks. nos.1-7, 9-11, Ja, Ap, My-Je '64.

PHARMACOPEIAS

Review of the book "Medicinal plant raw material in the new Pharmacopeia." A.A.Dolgova, E.IA.Liukshenkova. Apt.delo 11 no.5:95-96 S-O '62.

PHARMACY
(see also subdivision under Burma; Tajikistan)

Abstracts. Apt.delo 11 no.5:92-93 S-O '62.

Basic scientific problems in the field of pharmacy. A.K. Mel'nichenko and others. Apt.delo 11 no.5:3-9 S-O '62.

Preparation of formed marmalade jelly using agaroids with medicinal substances [with summary in English]. L.A.Andreeva. Apt.delo 11 no.5:34-38 S-O '62.

Study of the possibility of distributing pharmaceutical products by vending machines [with summary in English]. E.I.Panchenko, V.L.Tarsis. Apt.delo 11 no.5:25-30 S-O '62.

PHARMACY—STUDY AND TEACHING
(see also subdivision under Iran)

Higher qualifications for teachers in pharmaceutical schools. E.M.Koz'minykh. Apt.delo 11 no.5:55-56 S-O '62.

Planned curriculum for pharmaceutical institutes (faculties). G.P.Pivnenko, A.K.Sukhomlinov, L.S.Kazarnovskii. Apt.delo 11 no.5:48-51 S-O '62.

Some problems of the improvement of pharmaceutical education by correspondence. R.K.Aliev, A.M.Aliev. Apt.delo 11 no.5:51-55 S-O '62.

Teaching of pharmacognosy in the pharmaceutical school closer to the future profession. I.Z.Rybachuk. Apt. delo 11 no.5:56-57 S-O '62.

PHARYNX—DISEASES

Paresthesia of the pharynx. I.M.Ispuganov. Zhur.ush., nos.i gorl.bol. 23 no.6:67-71 N-D '63.

PHARYNX—SURGERY

Plastic surgery for defects of the pharynx and esophagus after recovery from laryngectomy [with summary in English]. M.V.Sokoliuk, M.L.Sanotskii. Zhur.ush., nos.i gorl.bol. 23 no.6:27-32 N-D '63.

PHASE RULE AND EQUILIBRIUM

Diffusion in the critical fluid - vapor region. L.A.Rott. Inzh.-fiz.zhur. 7 no.3:78-81 Mr '64.

Diffusive penetration of uranium into molybdenum from a uranium-niobium-zirconium alloy. G.B.Fedorov, F.I.Zhomov. Met.i metalloved.chist.met. no.4:64-68 '63.

Effect of deformation on the carbide transformation. A.A.Baranov, I.E.Lev. Izv.vys.ucheb.zav.; chern. met. 7 no.5:122-123 '64.

New method of representing the equilibrium between two liquid phases of a four-component system. A.F.Frolov. Dokl.AN SSSR 156 no.3:622-625 '64.

Phase transitions in the process of catalytic crystallization of glass in the system SiO_2 - Al_2O_3 - MgO. I.I. Kitaigorodskii, R.IA.Khodakovskaia, M.V.Artamonova. Dokl.AN SSSR 155 no.2:370-373 Mr '64.

Properties of the double layer and the [illegible] of the electrostatic adsorption of ions. [illegible] V.A.Kir'ianov, V.S.Krylov. Dokl.AN [illegible] 662-665 Mr '64.

Study of equilibrium conditions in the [illegible] manganese ferrite by hydrogen [with [illegible] lish]. B.D.Averbukh and others. [illegible] no.11:2436-2441 N '62.

Thermodynamic properties of fused salt [illegible] 3. N.L.IArym-Agaev. Zhur.fiz.khim. [illegible] 662-664 Mr '63.

Zakharov, A.M. [Phase diagrams of quater[illegible] tems] Diagrammy sostoianii chetvern[illegible] skva, Izd-vo "Metallurgiia," 1964. [illegible] p.

PHASEMETER

High-speed phasemeter in the 8 mm. [illegible] Malykh and others. Prib.i tekh.eksp. [illegible] Mr-Ap '64.

PHENANTHROLINE

Bathophenanthroline. A.A.Bylinkina, N.F.[illegible], I.B.Kiseleva. Metod.poluch.khim.reak.i prepar. no.6:46-48 '62.

PHENOL CONDENSATION PRODUCTS

Condensation of alkyl phenols with fo[illegible] secondary amines. A.M.Kuliev, N.F.[illegible] Mamedov. Azerb.khim.zhur. no.4:[illegible]

Use of bakelite lacquer coatings to increase [illegible] stability of "faolite." I.A.Egorov, [illegible] Lakokras.mat.i ikh prim. no.1:51-53 [illegible]

Using the thermal analysis method for [illegible] processes taking place in the heating of [illegible] phenol-aldehyde resins. V.A.Popov, [illegible] B.G.Varshal. Plast.massy no.[illegible]

PHENOLOGY
(see also subdivision under Altai Territory; [illegible] Province)

Methods of building phenological spectra. [illegible] lenko. Nauch.dokl.vys.shkoly; biol.[illegible] 106 '64.

PHENOLS

Adhesive tars from hydrogenated phenols. [illegible] kova and others. Trudy VNIIT no.11:1[illegible]

Continuous distillation of shale tars and [illegible] pilot device. S.S.Semenov and others. [illegible] no.11:134-143 '62.

Determining the phenols in petroleum [illegible] ultraviolet spectroscopy. L.S.Khaist[illegible] Aksenova. Trudy VNIIT no.11:304-[illegible]

Effect of water on the properties of phenol as a [illegible] solvent. A.Z.Biktimirov. Neftepor.i neftekhim. [illegible] 3-7 '64.

Establishing permissible concentration of [illegible] atmosphere. A.A.Itskovich, V.A.Vinogr[illegible] prir.Sib.i Dal'.Vost. no.1:130-145 '62.

Interdependence between the inhibiting pr[illegible] phenols and activation energy. A.P.Tkacheva, [illegible] Kharitonova. Izv.AN Kir.SSR.Ser.est.i tekh.[illegible] 4 no.6:33-41 '62.

Investigating the operation of a unit for [illegible] from tarwaters of the Kiviõli Combine. [illegible] V.V.Shelomov, G.Purre. Khim.i tekh.gor.[illegible] prod.ikh perer. no.10:217-227 '62.

Isolation of nucleic acids from the brain [illegible] method [with summary in English]. V.I.[illegible] E.B.Skvyrs'ka. Ukr.biokhim.zhur. 34 [illegible] '62.

Method for the utilization of phenols and for[illegible] contained in the waste waters from the pro[illegible] phenol-formaldehyde resins. I.A.Egorov, [illegible] lovskaia. Lakokras.mat.i ikh prim. no.1:[illegible]

Physical methods of studying the mechanism [illegible] of phenol oxidation. A.P.Tkacheva, G.V.[illegible] Izv.AN Kir.SSR.Ser.est.i tekh.nauk 4 [illegible]

Plant tests of synthetic adhesives on a base of [illegible] phenols boiling at temperatures up to 300°. A.G. Zabrodkin and others. Khim.i tekh.gor.slan.i prod. ikh perer. no.10:246-252 '62.

Plant tests of synthetic adhesives on a base of [illegible] phenols combined with tricresol and boiled [illegible] temperatures above 300°. A.G.Zabrodkin and [illegible] Khim.i tekh.gor.slan.i prod.ikh perer. no.10:[illegible] '62.

Potential and actual phenol yields from oil shale [illegible] N.I.Zelenin, E.E.Feofilov. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:139-152 '62.

Properties of the field of demixing of ternary systems comprising one preponderant binary system. [illegible] R.V.Mertslin, N.I.Nikurashina, L.A.Kam[illegible] Zhur.fiz.khim. 36 no.11:2401-2405 N '62.

Qualitative and photocolorimetric determination of [illegible] quantities of synestrol. V.G.Belikov. Med.prom. [illegible] no.9:32-35 S '63.

Sec.pentylphenols. L.G.Fedosiuk and others. Metod. poluch.khim.reak.i prepar. no.6:89-91 '62.

Sorption of phenols by anion exchangers of medium and high basicity from dilute solutions. IU.IU.Lur'e, [illegible] Krasnov. Zhur.prikl.khim. 37 no.4:864-[illegible] Ap '64.

PHENOLS (Continued)

Sulfonation reaction. Part 58: Analysis of sulfo mixtures obtained in phenol sulfonation. A. A. Spryskov, B. G. Gnedin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:61-65 '64.

Synthesis of 4-aminoalkyl-2,6-di-tert-butylphenols. I.S. Belostotskaia, V.V. Ershov. Izv. AN SSSR. Ser. khim. no. 4:765-767 Ap '64.

Testing the methanol method of separating a diesel fraction of shale tar. V. G. Zav'ialov, S. S. Semenov. Trudy VNIIT no. 11:155-167 '62.

2,4,6-tris (trimethylsilyl)-1-phenoxyl, a monomer radical relatively resistant to oxygen. M. L. Khidekel' and others. Izv. AN SSSR. Ser. khim. no. 4:776 Ap '64.

Use of phenolic deproteinization for isolating highly polymerized hyaluronic acid from umbilical cords [with summary in English]. A. M. Poverennyi, A. V. Chmyrev. Ukr. biokhim. zhur. 35 no. 5:772-775 '63.

Using shale phenols as wetting agents in the mercerization of cotton fibers. P. S. Balashov, G. N. Garnovskaia, E. E. Feofilov. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:241-245 '62.

PHENOLS—PHYSIOLOGICAL EFFECT

Effect of 2, 4-dinitrophenol on the introduction of thiamine in the rabbit liver and its conversion [with summary in English]. A. O. Rybina. Ukr. biokhim. zhur. 34 no. 1:47-55 '62.

PHENOPHTHALEIN

Use of iodine bromide for the synthesis of iodine derivatives (producing of tetraiodophenolphthalein and iodoform). S. N. Nazrullaev. Med. prom. 17 no. 9:22-24 S '63.

PHENOTHIAZINE

Analgesic activity of a combination of promedol with phenothiazine derivatives. N. K. Barkov. Eksper. khir. i anest. 8 no. 4:75-77 Jl-Ag '63.

Comparative pharmacological data on the use of chlorazicin and tofranil in psychiatric practice. I. P. Lapin. Zhur. nevr. i psikh. 64 no. 2:281-289 '64.

Effect of phenothiazine on the activity of blood enzymes in sheep. K. I. Gavrilova. Trudy Stavr. sel'khoz. inst. no. 11:101-105 '62.

Separation and determination of 10-substituted phenothiazine by thin-layer chromatography of aluminum oxide. T. I. Bulenkov. Med. prom. 17 no. 9:26-29 S '63.

Stimulating effect of some trace elements combined with phenothiazine on the organism of sheep. S. G. Sidorova, V. I. Dobrynina, V. D. Rubin. Trudy Stavr. sel'khoz. inst. no. 11:97-100 '62.

PHENOXIDES

Determining the free and bound alkalies in phenolate solutions by the conductometric method. G. V. Sipovskii, H. Timotheus. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:290-300 '62.

PHENYL ETHER

Liquid - liquid - vapor equilibrium in the system Propyl alcohol - diphenyl oxide - water at 25°. N. P. Markuzin, L. S. Shroiner. Zhur. prikl. khim. 37 no. 4:888-889 Ap '64.

PHENYL GROUP

Analyzing the characteristics of organosilicon polymers containing hydroxyphenyl groups. A. A. Zhdanov and others. Plast. massy no. 5:23-26 '64.

PHENYLENEDIAMINE

Determination of small amounts of m-phenylenediamine in technical aniline. B. I. Kissin, E. N. Kurakin. Zav. lab. 30 no. 5:536-539 '64.

m-Phenylenediamine-N,N,N',N'-tetraacetic acid. R. P. Lastovskii, I. D. Kolpakova, N. I. Ivanova. Metod. poluch. khim. reak. i prepar. no. 6:72-73 '62.

Stabilization of magnesium sulfite hexahydrate crystals by inhibiting additions of p-phenylenediamine. V. A. Pinaev. Zhur. prikl. khim. 37 no. 4:890-899 Ap '64.

PHILOLOGICAL RESEARCH see subdivision under Armenia

PHILOSOPHICAL RESEARCH

Subject matter of philosophical research related to natural sciences. I. D. Pantskhava, B. IA. Pakhomov. Vop. filos. 18 no. 3:50-56 '64.

PHILOSOPHY
(see also subdivision under Georgia)

Against the philosophy of anticommunism. I. Mindlin. Nov. mir 40 no. 3:271-273 Mr '64.

International Philosophical Symposium in Yugoslavia. M. T. Iovchuk, IU. A. Krasin. Vop. filos. 17 no. 12:154-155 '63.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—CONGRESSES

Philosophical Congress in Mexico. M. B. Mitin. Vest. AN SSSR 34 no. 1:74-78 Ja '64.

PHILOSOPHY—HISTORIOGRAPHY

Subject matter and tasks of the historiography of philosophy. A. I. Novikov. Vop. filos. 18 no. 3:129-139 '64.

PHILOSOPHY—RESEARCH

A coordinating conference of the institutions of philosophical studies. A. P. Ermilov, A. T. Shatalov. Vop. filos. 17 no. 12:147-152 '63.

PHILOSOPHY, AMERICAN

Bogomolov, A. S. [Anglo-American bourgeois philosophy of the imperialist period] Anglo-amerikanskaia burzuaznaia filosofiia epokhi imperializma. Moskva, "Mysl'," 1964. 420 p.

PHILOSOPHY, ENGLISH

Bogomolov, A. S. [Anglo-American bourgeois philosophy of the imperialist period] Anglo-amerikanskaia burzhuaznaia filosofiia epokhi imperializma. Moskva, "Mysl'," 1964. 420 p.

PHILOSOPHY, INDIC

Ancient monuments of human thought. I. M. Kutasova, A. M. Piatigorskii. Vop. filos. 17 no. 12:168-170 '63.

PHILOSOPHY, MODERN

Russia (1917- R. S. F. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of contemporary bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [Petrozavodsk] Rosvuzizdat, 1963. 181 p.

PHILOSOPHY AND RELIGION

Crisis of bourgeois individualism and protestant neo-orthodoxy [with summary in English, p. 186]. T. A. Kuz'mina. Vop. filos. 17 no. 12:106-116 '63.

PHILOSOPHY OF NATURE

More on the dialectics of nature. N. V. Medvedev. Vop. filos. 18 no. 4:111-113 '64.

PHLEGMON

Leiomyoma of the stomach combined with acute phlegmon. R. M. Nurmukhamedov. Khirurgiia 39 no. 6:132-133 Je '63.

PHLOMIS

Anatomic structure of the pili of Phlomis pungens Willd. [with summary in English]. T. D. Bech. Ukr. bot. zhur. 20 no. 5:96-98 '63.

PHONETICS—CONGRESSES

"Proceedings of the Fourth International Congress of Phonetic Sciences." M. I. Lekomtseva, I. I. Revzin, S. M. Shur. Vop. iaz. 12 no. 6:144-148 N-D '63.

PHOSGENE

Synthesis and study of polycarbonates by the interfacial polycondensation method. Part 4: Effect of the excess of one of the components on the course of the interfacial polycondensation of 2, 2'-bis-(4-hydroxyphenyl) propane and phosgene [with summary in English]. O. V. Smirnova and others. Vysokom. soed. 6 no. 3:459-462 Mr '64.

PHOSPHAMIDE—TOXICOLOGY

Effect of storage conditions on the change in the toxicity of phosphamide. A. S. Sedykh and others. Khim. v sel'. khoz. 2 no. 2:22-24 F '64.

PHOSPHATASES

Acid phosphatase from the roots of some Eremurus species. A. A. Kuznetsov, B. N. Stepanenko. Dokl. AN SSSR 155 no. 3:694-697 Mr '64.

Distribution of acid phosphataese in parasitic protozoans from amphibians. G. I. Sergeeva. TSitologiia 5 no. 3:348-351 My-Je '63.

Histochemical study of the alkaline phosphatase activity in the liver tissue of patients with hepatitis and cirrhosis [with summaries in Tajik and English]. I. D. Mansurova, E. D. Eitsen. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:57-72 '62.

Modification of the methodology of determining intestinal phophatase. G. A. Gorelov. Lab. delo no. 3:151-153 '64.

PHOSPHATES
(see also subdivision under Atlantic Ocean)

Assimilation by plants of phosphate ions, absorbed by anion exchangers. L. V. Sidorina. Khim. v sel'. khoz. 2 no. 3:6-9 Mr '64.

Determining protein fractions in the blood serum by a rapid method. S. A. Karpiuk. Lab. delo 8 no. 7:33-36 Jl '62.

Some physicochemical properties of liquid complex fertilizers obtained by the nitric acid treatment of phosphates. U. Ibragimova, M. N. Nabiev. Uzb. khim. zhur. 8 no. 2:18-25 '64.

PHOSPHATIDES

Determination of total cholesterol and phospholipids in a microdrop of blood. M. N. Markova, A. A. Pokrovskii. Lab. delo no. 3:145-150 '64.

PHOSPHATIDYLETHANOLAMINES

Semimicrodetermination of the iodine number of synthetic (α-oleyl-β-stearoyl)-phosphatidylethanolamine [with summary in English]. V. M. Poliachenko, G. I. Samokhvalov. Zhur. anal. khim. 19 no. 1:136-137 '64.

PHOSPHINIC ACID

Alkyl phosphinates. O. N. Grishina, R. Z. Sabirova. Metod. poluch. khim. reak. i prepar. no. 6:11-14 '62.

Oxidizing polyhydrocondensation of dipropargyl esters containing silicon, phosphorus, and fluorine. A. G. Makhsumov, A. M. Sladkov, V. V. Korshak. Izv. AN SSSR. Ser. khim. no. 4:733-736 Ap '64.

PHOSPHITES

Mechanism of the inhibiting action of phosphites in the oxidation of paraffinic hydrocarbons. S. I. Bass, S. S. Medvedev. Zhur. fiz. khim. 36 no. 11:2537-2539 N '62.

PHOSPHOMOLYBDIC ACID

Study of the state of water in phosphomolybdic acid by means of nuclear magnetic resonance. V. F. Chuvaev, V. IA. Kabanov, Vikt. I. Spitsyn. Dokl. AN SSSR 155 no. 4:908-911 Ap '64.

PHOSPHONIC ACID—SPECTRA

Additive relations for chemical shifts in magnetic resonance spectra of F^{19} nuclei of fluophosphates and fluophosphonates. V. F. Bystrov and others. Dokl. AN SSSR 156 no. 3:637-640 '64.

PHOSPHORIC ACID

Esters of phosphoric acid containing a cyano group. B. A. Arbuzov, V. M. Zoroastrova, N. D. Ibragimova. Izv. AN SSSR. Ser. khim. no. 4:656-661 Ap '64.

Extraction of phosphoric acid by n-butyl and isoamyl alcohols. I. IA. Sabaev, I. N. Shokin, S. A. Krasheninnikov. Zhur. prikl. khim. 37 no. 4:874-880 Ap '64.

PHOSPHORODITHIOIC ACID

Nickel diethyldithiophosphate. A. I. Busev, M. I. Ivaniutin. Metod. poluch. khim. reak. i prepar. no. 6:33-35 '62.

PHOSPHORS

Determination of antimony in sulfuric and hydrofluoric acids by means of CaO (Sb) crystal phosphor. E. A. Bozhevol'nov. Metod. anal. khim. reak. i prepar. no. 4:110-113 '62.

PHOSPHORUS—ANALYSIS

Determination of aluminum with salicylal o-aminophenol in red phosphorus. V. S. IAnysheva, Z. A. Sazonova, S. B. Kapilevich. Metod. anal. khim. reak. i prepar. no. 4:57-59 '62.

PHOSPHORUS ACIDS

Properties of the amides of phosphorus acids. Part 7: New method of preparation of phosphorus-containing polyesters. [with summary in English]. K. A. Petrov and others. Vysokom. soed. 6 no. 1:10-12 Ja '64.

Synthesis of glycidyl esters of phosphorus acids. N. I. Rizpolozhenskii, L. V. Boiko, M. A. Zvereva. Dokl. AN SSSR 155 no. 5:1137-1139 Ap '64.

PHOSPHORUS COMPOUNDS

Phosphorus compounds in the bovine mammary gland [with summary in English]. S. I. Kusen', M. D. Kotsiuba. Ukr. biokhim. zhur. 35 no. 1:72-83 '63.

PHOSPHORUS IN THE BODY

Calcium and phosphorus in the milk of parturients under the climatic and geographical conditions of dry subtropics. B. L. Gurtovoi, K. I. Imshenetskaia. Zdrav. Turk. 8 no. 1:16-19 Ja '64.

Change in the total phosphorus content in isolated sartorius muscle in frogs. L. N. Pisareva. TSitologiia 5 no. 3:332-335 My-Je '63.

PHOSPHORUS ISOTOPES—THERAPEUTIC USE

Basis for treating certain dermatoses with radioactive phosphorus (P^{32}) [with summary in English]. P. G. Gadzhiev. Vest. derm. i ven. 37 no. 5:35-40 My '63.

PHOSPHORUS METABOLISM

Effect of light on the phosphorus metabolism in protococcal algae. S. S. Baslavskaia, E. I. Bystrova. Dokl. AN SSSR 155 no. 5:1220-1223 Ap '64.

PHOSPHORUS ORGANIC COMPOUNDS

Addition of mercuric chloride to the Wittig reagents and the synthesis of mercury-containing phosphorylide. Nik. A. Nesmeianov, V. M. Novikov, O. A. Reutov. Izv. AN SSSR. Ser. khim. no. 4:772-773 Ap '64.

Effect of organic phosphorus compounds on pathogenic fungi [with summary in English]. I. D. Neklesova, Z. Sh. Miniusheva. Izv. AN SSSR. Ser. biol. no. 2:293-299 Mr-Ap '63.

Effectiveness of new phosphorus organic substances in the treatment of diphtheria. N. P. Kudriavtseva, I. V. Zaikonnikova, L. S. Afonskaia. Kaz. med. zhur. no. 6:41-44 N-D '62.

Interaction of natural rubber with dialkyl phosphites. P. M. Zavlin, M. A. Sokolovskii, R. S. Tenisheva. Zhur. prikl. khim. 37 no. 4:928-929 Ap '64.

Moist disinsectization of granaries with phosphorus organic preparations. G. M. Mardzhanian, A. A. Karian, A. A. Markosian. Khim. v sel'. khoz. 2 no. 2:29-31 F '64.

Synthesis of some titanium phosphorus organic compounds. K. A. Andrianov, I. K. Kuznetsova. Izv. AN SSSR. Ser. khim. no. 4:651-656 Ap '64.

PHOSPHORUS ORGANIC COMPOUNDS—TOXICOLOGY

Separate determination of some organophosphorus insecticides with their joint presence in food products of plant origin [with summary in English]. G.IA. [illegible], E.R. [illegible]evskaia, M.A. Trotsenko. Vop.pit. 21 no.6:64-67 N-D '62.

PHOSPHORUS SULFIDES

Interaction of phosphorus pentasulfide with unsaturated hydrocarbons. A.M.Kuliev, R.K.Mamedova, K.I. Sadykhov. Azerb.khim.zhur. no.1:17-21 '64.

PHOSPHORYL CHLORIDE

Esters of phosphoric and phosphorothioic acids containing heterocyclic radicals. Report No.6: Interaction of phosphoryl and thiophosphoryl chlorides with benzimidazole and morpholine. B.A.Arbuzov, V.M.Zoroastrova, R.Kh.Sagitova. Izv.AN SSSR.Ser.khim. no.4:661-669 Ap '64.

PHOSPHORYLATION

Chemism of photosynthetic phosphorylation. N.M. Sisakian, R.M.Bekina. Izv.AN SSSR.Ser.biol. no.3: 396-409 My-Je '64.

Effect of roentgen irradiation on phosphorylation of thiamine [with summary in English]. I.V.Savitskii, A.IA.Rozanov, L.E.Pozdniakova. Vop.med.khim. 8 no.6:592-595 N-D '62.

Effect of vitamin A deficiency on oxidative phosphorylation in the liver mitochondria of albino rats [with summary in English]. IE.M.Liubovych, H.I.Hrymaliuk. Ukr. biokhim.zhur. 35 no.1:25-29 '63.

Effect of vitamin A on the content of pyridine nucleotides, pyruvic and lactic acids and on anaerobic phosphorylation in animal tissues [with summary in English]. K.M. Leuts'kyi, V.O.Lycke. Ukr.biokhim.zhur. 35 no.1: 1[illegible]-24 '63.

Phosphorylation of cyclopentadienylmanganese tricarbonyl. A.N.Nesmeianov, K.N.Anisimov, Z.P.Valueva. Izv. AN SSSR.Ser.khim. no.4:763-764 Ap '64.

PHOTOCHEMISTRY

Allogenetic formation of porphine and its role in the processes of photochemical electron transfer. A.A. Krasnovskii, A.V.Umrikhina. Dokl.AN SSSR 155 no.3:[illegible] Mr '64.

Mechanism of the regeneration of porphyrins subsequent to photoreduction. G.P.Gurinovich and others. Dokl. AN SSSR 156 no.1:125-127 My '64.

Photocatalytic properties of antimony trioxide in the reduction of methylene blue. Part 1. I.N. Barshchevskii. Zhur.fiz.khim. 36 no.11:2515-2517 N '62.

Photochemical oxidation of mercaptans. G.G.Chirakadze, E.M. Nanobashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:69-73 '63.

Photolysis of ferrocene derivatives. A.N.Nesmeianov and others. Dokl.AN SSSR 155 no.5:1130-1133 Ap '64.

Photosorption of oxygen on cadmium sulfide. V.A. Kotel'nikov. Dokl.AN SSSR 155 no.3:654-657 Mr '64.

Triplet molecules in liquid benzene. Photochemical processes in a thin absorbing layer. V.A.Krongauz. Dokl.AN SSSR 155 no.3:658-661 Mr '64.

PHOTOCONDUCTIVITY

Kinetics of the photoconductivity of n-silicon single crystals irradiated by fast electrons. A.N.Sevchenko, V.D.Tkachev. Dokl.AN BSSR 8 no.3:147-149 Mr '64.

PHOTOELECTRIC CELLS

Gozenput, M.D., and D.P.Shur. [Photorelay in the wood-using industries] Fotorele v derevoobrabatyvaiushchei promyshlennosti. Moskva, TSentr.nauchno-issl.in-t informatsii i tekhniko-ekon.issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 36 p. (Derevoobrabotka)

[MICROFILM]

Principles of the construction of automatic electron-beam stabilizing systems of receiving and transmitting electron-beam tubes. V.A.Baramidze. Radiotekhnika 19 no.4:36-45 Ap '64.

Sominskii, M.S. [Semiconductors in applied solar energy] Poluprovodnikovaia geliotekhnika. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no.12)

PHOTOELECTRIC MEASUREMENTS

Measurement of small photoelectric signals in semiconductors. A.A.Meier. Zav.lab. 30 no.5:562-564 '64.

Photoelectric observations of meteors in Dushanbe [with summary in English]. V.A.Rubtsova. Biul.Inst. astrofiz.AN Tadzh.SSR no.35:14-21 '63.

Semiconductor photorelay. R.I.Mazo. Priborostroenie no.12:12-13 D '63.

PHOTOELECTRIC MULTIPLIERS

A generator of chaotic pulses. B.K.Bondarenko, V.N. Demidovich. Geofiz.prib. no.12:90-92 '62.

Widening the use of the paired light pulse method in studying the time-dependent characteristics of photomultipliers. V.N.Lebedev. Prib.i tekh.eksp. 9 no.2:133-135 Mr-Ap '64.

PHOTOELECTRICITY

Influence of the form of aggregation of dyes on the sign of photocurrent carriers. A.N.Terenin and others. Dokl.AN SSSR 155 no.4:900-903 Ap '64.

PHOTOGRAPHIC SENSITOMETRY see subdivision under Czechoslovakia

PHOTOGRAPHIC SURVEYING

Preparing anaglyphic pictures of phototheodolite prints. V.T.Kondratenko. Transp.stroi. 13 no.11:59-60 N '63.

PHOTOGRAPHS

M.V. Pevtsov's unknown photographs. S.A.Ogurtsov. Izv.Omsk.otd.Geog.ob-va no.5:182-183 '63.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref.zhur.; Fotokinotekh. no.5 My '64.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Precession camera for photographing the reciprocal lattice. L.A.Feigin, A.V.Mirenskii, G.D.Shnyrev. Prib.i tekh.eksp. 9 no.2:156-160 Mr-Ap '64.

PHOTOGRAPHY, MEDICAL

Photodocumentation in the dermatologist's work. A.A. Levkov. Vest.derm.i ven. 37 no.5:59-61 My '63.

PHOTOGRAPHY IN NUCLEAR PHYSICS

Spurious scattering in nuclear emulsions following ultrasonic treatment. A.B.Akopova. Prib.i tekh.eksp. 9 no.2:64-65 Mr-Ap '64.

PHOTOMETERS

Digital pulse photometer. E.V.Kuvaldin. Prib.i tekh. eksp. 9 no.2:141-145 Mr-Ap '64.

PHOTOMETRY

Photometric determination of cerium in a methyl alcohol suspension of aluminum oxide [with summary in English]. N.G.Mendlina. Zhur.anal.khim. 18 no.3:408-409 Mr '63.

PHOTOMICROGRAPHY

Composition and structure of naturally occurring calcium phosphates. R.P.Ozerov and others. Zhur.prikl.khim. 37 no.4:716-721 Ap '64.

Fibrous structures and the formation of an isotactic polystyrene jelly. N.IA.Rapoport-Molodtsova and others. Dokl.AN SSSR 155 no.5:1171-1173 Ap '64.

PHOTOMICROGRAPHY—EQUIPMENT AND SUPPLIES

Utilization of an electron impulse photolamp for photomicrography of capillaries and moving objects. G.K. Ivanov, E.G.Margin. Lab.delo 8 no.7:58-60 Jl '62.

PHOTONUCLEAR REACTIONS

Setup for measuring the cross sections and angular distributions of photonuclear reaction products. N.N. Balamatov and others. Vest.Mosk.un.Ser.3: Fiz., astron. 19 no.2:85-87 Mr-Ap '64.

PHOTOPERIODISM

Effect of spectral composition and the intensity of radiant energy on the chlorophyll content as related to the length of the photoperiod. I.A.Shul'gin, L.A. Khodorenko. Dokl.AN SSSR 156 no.3:712-714 '64.

Shift in the carbohydrate metabolism of wheat leaves during the photoperiod of development. O.A.Korchagina. Dokl.AN SSSR 156 no.1:209-211 My '64.

PHOTOSYNTHESIS

Change in the rate of photosynthesis by Scenedesmus obliquus observed together with a growth in the hydrogen concentration in the medium. V.M.Kutiurin, M.V. Ulubekova, L.P.Kazanskii. Dokl.AN SSSR 154 no.3: 725-727 Ja '64.

Chemism of photosynthetic phosphorylation. N.M. Sisakian, R.M.Bekina. Izv.AN SSSR.Ser.biol. no.3: 396-409 My-Je '64.

Comparison of the oxidation potentials of chlorophyll and bacterial pigments under illumination. V.B. Evstigneev, V.A.Gavrilova. Dokl.AN SSSR 154 no.3: 714-717 Ja '64.

Direct proof of the participation of phosphoglyceric acid in the reducing photosynthetic cycle of carbon. N.G. Doman, R.IA.Shkol'nik, Z.A.Terent'eva. Dokl.AN SSSR 156 no.3:698-701 '64.

Effect of light on the oxidation of succinate by mitochondria of green and etiolated pea plants. I.M.Mosolova, N.M. Sisakian. Dokl.AN SSSR 156 no.3:702-705 '64.

Photosensibilizing capacity of absorbed carotene. G.G. Komissarov and others. Dokl.AN SSSR 155 no.5:1194-1197 Ap '64.

Rôle of carotenoids in the mechanism of oxygen transfer in photosynthesis. V.S.Saakov. Dokl.AN SSSR 155 no.5:1212-1215 Ap '64.

State of Melosira baicalensis (K.Meyer) Wisl. sinking to the deep strata of Lake Baikal. K.K.Votintsev, G.I. Popovskaia. Dokl.AN SSSR 155 no.3:673-676 Mr '64.

Study of the intensity of photosynthesis in ornamental forms of woody plants as related to an evaluation of their photophily. N.V.Smol'skii, V.S.Vakula. Dokl.AN BSSR 8 no.1:69-72 Ja '64.

PHOTOTHERAPY

Phototherapy of plants. M.N.Tal[illegible] Biul.Glav.bot.sada no.48:73-[illegible]

PHRENIC NERVE

Electrophrenic respiration in [illegible] anesthesia. S.A.Geshelin. [illegible] no.4:65-69 Jl-Ag '63.

PHTHALIC ANHYDRIDE

Preparation of tetrachlorophthalic [illegible] Guseinov, Sh.A.Dzhabarzade. [illegible] khim.zhur. no.1:95-96 '64.

PHTHALIMIDE

Block copolymerization of N-vinylphth[illegible] [with summary in English]. A.[illegible] Tereshchenko. Vysokom.soed. [illegible] '64.

Preparation of phthalimide by oxidi[illegible] o-xylene in a fluid catalyst bed. [illegible] others. Azerb.khim.zhur. no.1[illegible]

PHTHALIMIDE CRYSTALS—SPECTRA

Electron spectra of the crystalline state of [illegible] L.F.Gladchenko. Dokl.AN BSSR 8 [illegible] '64.

PHTHALOCYANINES—ABSORPTION SPECTRA

Physicochemical properties of phthalo[illegible] Part 3: Breakdown of pigment mole[illegible] tions. Chromaticity of phthalocyanine[illegible] Izv.vys.ucheb.zav.; khim.i khim.tekh.[illegible] 117 '64.

PHTHIVAZIDE

Effect of chemoprophylaxis on the deg[illegible] infection and its incidence in childr[illegible] adults. V.P.Rotar'. Zdravookhranenie [illegible] 49 Ja-F '64.

Effect of cortisone on the concentration [illegible] in the blood and tissues of the internal organs [illegible] Soskin. Antibiotiki 8 no.8:732-736 Ag [illegible]

Effect of prolonged administration of [illegible] phthivazide on the thiamine content of [illegible] its excretion in the urine [with summary [illegible] V.S.Puhachov. Ukr.biokhim.zhur. [illegible]

Laboratory control for the regulation of [illegible] aminosalicylic acid and phtivazid [illegible] tuberculosis under ambulatory conditi[illegible] burg, I.G.Shklovskaia. Lab.delo [illegible]

PHYLOGENY

Phylogeny of the order of Lagomorpha [illegible] light of the recent data of paleontolog[illegible] morphology. A.A.Gureev. Dokl.AN [illegible] 1227-1229 Ap '64.

PHYLOGENY (BOTANY)

Origin of monocotyledons as illustrated [illegible] Helobiae. L.V.Kudriashov. Bot.zhur. [illegible] 486 Ap '64.

Present status of the problem of the origin [illegible] I.T.Vasil'chenko. Bot.zhur. 49 no.4 [illegible] '64.

PHYSICAL CHEMISTRY see Chemistry, Physical and theoretical

PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Bashkiria; Lithuania; Turkmenistan)

For mass rural physical culture organizations. [illegible] karov. Teor.i prak.fiz.kul't 26 no.[illegible]

Join efforts to improve the physical education of the younger generation. A.A.Askerov. Teor.i prak.fiz. kul't 26 no.9:23-27 S '63.

Old but a terrible weapon; V.V.Malakovskii on physical culture. IU.P.Simakov. Teor.i prak.fiz.kul't 26 no.9:31-37 S '63.

Organizing independent work for students of institutions of higher learning. G.S.Samorukov. Teor.i prak.fiz. kul't 26 no.9:75-78 S '63.

Sport organizations of firemen appear on the big stage. Pozh.delo no.3:13 Mr '64.

Training rural physical education personnel. V.F. Zubynin. Teor.i prak.fiz.kul't 26 no.[illegible]

PHYSICAL EDUCATION AND TRAINING—CONGRESSES

Fourteenth Scientific and Methodological Conference of Institutions of Higher Learning on physical education. V.B.Korenberg. Teor.i prak.fiz.kul't 26 [illegible] '63.

PHYSICAL EDUCATION FOR CHILDREN

In the Ministry of Education of the R.S.F.S.R. [illegible] no.5:123-125 My '64.

Model planning of the physical education classes in grades 1-4; third quarter. A.A.Gugin. [illegible] 32 no.1:84-89 Ja '64.

PHYSICAL EDUCATION FOR THE AGED

[For elderly people] Dlia pozhilykh. [Moskva] Meditsina, 1964. 252 p. (DNLM)

Gritchenko, N.V. [Physical culture for elderly men] Fizkul'tura dlia muzhchin pozhilogo vozrasta. Moskva, Meditsina, 1964. 30 p.

PHYSICAL GEOGRAPHY
(see also subdivision under Altai Mountains; Asia, Central; Pamirs; Tien Shan; Uzbekistan; Volkhov Valley)

Main types of differentiation of the geographical envelope in connection with a uniform method for physicogeographical regionalization. V.I.Prokaev. Izv.Vses.geog.ob-va 96 no.2:124-129 Mr-Ap '64.

Stroev, K.F. [Geography of the U.S.S.R.; a textbook for the 7th and 8th classes] Geografiia SSSR; uchebnik dlia 7-8 klassov. Izd.2. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 293 p. (MnU)

PHYSICAL METALLURGY—EXPERIMENTS

Parnapuu, A., and O.Bussel, comps. [Laboratory work on physical metallurgy] Laboratornye raboty po metallovedeniiu. Tallinn, Tallinnskii politekhn. in-t, 1964. 35 p.

PHYSICAL OPTICS see Optics, Physical

PHYSICAL THERAPY
(see also subdivision under Poland)

Review of E.I.Shakhnovskaia's book "Physiotherapy for diseases of the nervous system." E.Z.Neimark. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:273-274 My-Je '63.

Review of L.N.Kanavets' book "Neuroses and their treatment at sanatoriums and health resorts." S.M.Petelin. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:270-273 My-Je '63.

PHYSICALLY HANDICAPPED—REHABILITATION
(see also subdivision under Gorkiy)

Applying the work of physically handicapped in agriculture. D.Gritskevich. Sots.obesp. 25 no.4:29-30 Ap '64.

Automobiles for the physically handicapped. Sots.obesp. 25 no.4:50-51 Ap '64.

Results of three years of work. Sots.obesp. 25 no.4:34-35 Ap '64.

PHYSICIANS see subdivision under Moscow; Ukraine

PHYSICIANS—BIOGRAPHY see subdivision under Hungary; Transylvania

PHYSICIANS—EDUCATION

Experience with the correspondence and resident specialization of dermatovenereologists. A.I. Kartamyshev. Vest.derm.i ven. 37 no.4:58-61 Ap '63.

Specialization and training of dermatovenereologists. P.V.Kozhevnikov. Vest.derm.i ven. 37 no.4:3-8 Ap '63.

PHYSICS

Kompaneets, A.S. [At the frontier of science; development of the fundamental laws of physics] Na perednem krae nauki; razvitie osnovnykh zakonov fiziki. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no.6)

Leninist principle of the inexhaustibility of matter and the present-day physics. S.T.Meliukhin. Izv.LETI no.40:96-110 '60.

Reflections on our science. IA.Smorodinskii. Nov.mir 40 no.3:269-271 Mr '64.

PHYSICS—ABSTRACTS

[Physics] Ref.zhur.: Fiz. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962]

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Conference of socialist countries on High-energy Physics. IU.A.Smorodin. Vest.AN SSSR 34 no.2:67-69 F '64.

International Conference on Elementary Particles. V.Nikitin, A.Tiapkin. Atom.energ. 16 no.4:374-376 Ap '64.

Third International Conference on the Mössbauer Effect. N.Burgov. Atom.energ. 16 no.4:377-379 Ap '64.

PHYSICS—PHILOSOPHY

Category of "interaction" and Pauli's principle in physics. V.S.Gott, A.F.Pereturin. Vop.filos. 18 no.3:86-95 '64.

Evolution of the physicists' views on nature. P.A.M. Dirac. Vop.filos. 17 no.12:83-94 '63.

From physics to philosophy and from philosophy to physics. G.B.Zhdanov. Vop.filos. 17 no.12:135-146 '63.

The Leninist concept of matter and the problem of the unity of field and matter. V.N.Rudakov. Izv.LETI no.40:111-124 '60.

Philosophical discussions in Dubna. I.A.Alekseev. Vop.filos. 17 no.12:155-158 '63.

"Philosophical problems in elementary particle physics." Reviewed by L.I.Storchak. Vest.AN SSSR 34 no.2:136-139 F '64.

The principle of restrictions in physics and its connection with the principle of correspondence. S.V.Illarionov. Vop.filos. 18 no.3:96-105 '64.

PHYSICS—STUDY AND TEACHING

Let's renew the school physics course. V.Fursov. Nar.obr. no.5:86-88 My '64.

Mezhvuzovskaia konferentsiia po lektsionnym demonstratsiiam po kursu obshchei fiziki. 1st. [Methodology and technique of lecture demonstrations in physics; transactions] Metodika i tekhnika lektsionnykh demonstratsii po fizike; sbornik trudov. [Moskva] Izd-vo Mosk.univ., 1964. 280 p.

System of lecture demonstrations in a physics course in a medical institute. D.S.Kroitor. Vest.vys.shkoly 22 no.4:89-91 Ap '64.

They learned to love physics. I.Igoshev. Nar.obr. no.4:61 Ap '64.

PHYSIOLOGICAL APPARATUS

Bokser, O.IA., and M.I.Klevtsov. [Radioelectronic apparatus for the time analysis of reflexes] Radioelektronnaia apparatura dlia vremennogo analiza refleksov. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no.512)

FFS-02 photophonostimulator. L.F.Sochivko and others. Med.prom. 17 no.9:48-50 S '63.

Review of L.P.Shuvatov's book "Microequipment for radioregistration of some physiological functions." T.E.Timofeeva. Med.prom. 17 no.10:62-64 O '63.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY

Hungarian Physiological Conference. A.I.Roitbak. Vest.AN SSSR 34 no.2:105-106 F '64.

New comprehension of the pathogenesis of eczema based on Soviet physiology. N.V.Kozhevnikov. Nauch.trudy GIDUV no.12:3-17 '57.

PHYSIOLOGY—DICTIONARIES

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Prezidium. Terminologicheskii komitet. [Terminological dictionary of human and animal physiology] Slovar' terminov po fiziologii cheloveka i zhivotnykh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 99 p. [In Russian and Azerbaijani]

PHYTOGEOGRAPHY see subdivision under Amur Valley; Czechoslovakia; Iran; Lena Valley; Siberia, Western; Yakutia

PHYTOL

Biosynthesis of phytol in the dark by green barley plants [with summary in English]. A.A.Slyk, E.M.Stanishevskaia. Biokhimiia 27 no.6:984-992 N-D '62.

PHYTONCIDES

Effect of imanin and novoimanin on the respiration of cells of Staphylococcus aureus 209 and its UF-3 mutant in the presence of amino acids [with summary in English]. N.IU.Preobrazhens'ka. Mikrobiol.zhur. 25 no.1:28-32 '63.

Fourth conference on the problem of phytoncides. P.IA. Pochynok. Mikrobiol.zhur. 25 no.1:72-74 '63.

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPHTHORA

Forms of phytophthora on tomato fruits. N.A.Dorozhkin, O.IA.Strel'skaia. Dokl.AN BSSR 8 no.3:199-200 Mr '64.

PHYTOPLANKTON see subdivision under Tsimlyansk Reservoir

PHYTOSOCIOLOGICAL RESEARCH

Statistical approach to a plant association. V.I.Vasilevich. Trudy Bot.inst.Ser.3 no.15:94-105 '63.

PIA MATER—DISEASES

Changes in the pia mater of the spinal cord in rheumatic fever in connection with the genesis of the spinal block. N.A.IAkimchuk. Nauch.trudy Riaz.med.inst. 14:145-150 '63.

PIANO

Experience of a teacher. B.Zinger. Sov.muz. 27 no.11:144-145 N '63.

PICOLINE

Determination of β-picoline in tissues. A.G.Khalmuradov. Lab.delo no.4:224-225 '64.

PIEZO-ELECTRIC OSCILLATORS see Oscillators, Crystal

PIEZOELECTRICITY

Piezoelectric method of investigating the structure of a fluidized bed. A.E.Gorshtein, V.E.Soroko. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:137-140 '64.

PIEZOMETER

Determining the aeration degree by piezometers. V.A. Romadin. Dokl.TSKHA no.87:305-312 '63.

PIGMENTS

Deposition of pigments in human nerve cells. I.I.Gutner. Sbor.nauch.rab.IAr.med.inst. no.18:42-50 '59.

Fundamental work on natural pigments. P.P.Budnikov. Stroi.mat. 10 no.4:37 Ap '64.

Physicochemical properties of phthalocyanine pigments. Part 3: Breakdown of pigment molecules in acid solutions. Chromaticity of phthalocyanines. B.D.Berezin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:111-117 '64.

Testing the salts of furylacrylic acid as color pigments. B.V.Volkov, A.S.Protsenko. Lakokras.mat.i ikh prim. no.1:87-88 '64.

PIKUL', MILITSA IVANOVNA, 1914-1963

M.I.Pikul'; obituary. Sov.arkheol. 8 no.2:268 '64.

PILING (CIVIL ENGINEERING)

Pile foundations on settling soils. P.K.Prianik, A.P. Piskunov. Sbor.nauch.trud.KGRI 18:16-21 '62.

Using piles for protecting the slopes of loose rock fills. L.S.Lapidus, K.Sh.Shadunts. Vop.geotekh. no.5:48-55 '62.

PINE
(see also subdivision under Andreyevo region, Vladimir Province; Gomel' District; Minsk Province; Omsk Province; White Russia; Yakutia)

Biological role of the accretion of roots in natural pine stands. M.M.Beskaravainyi. Agrobiologiia no.5:744-755 S-O '63.

Characteristics of the development of pine root systems in fluvioglacial sand soils. I.A.IUshkevich. Bot.; issl.Bel.otd.VBO no.5:135-145 '63.

Use of microelements and growth promoting substances in pine nurseries. M.S.Shingarev. Bot.; issl.Bel.otd.VBO no.5:216-218 '63.

PINE—FERTILIZERS AND MANURES

Organic-mineral supplements for pine seedlings in nurseries. V.E.Kosichenko. Les.khoz. 17 no.4:79-80 Ap '64.

PINENE

Electron diffraction study of the α-pinene oxide molecule. B.A.Arbuzov, V.A.Naumov, N.V.Alekseev. Dokl.AN SSSR 155 no.3:592-595 Mr '64.

PINKS see subdivision under Tiflis

PINS AND NEEDLES

Geometrical analysis of the reduction of sewing machine needles. N.L.Solov'ev. Nauch.trudy MTILP no.26:176-196 '62.

PIONEERS (COMMUNIST YOUTH)
(see also subdivision under Moscow)

Chronicle of the younger generation. A.Aleksandrov. Nar.obr. no.5:105-106 My '64.

Forty years with Lenin's name. V.V.Strunin. Nach.shkola 32 no.1:12-14 Ja '64.

Summer of the Pioneers. V.Strunin. Nar.obr. no.5:69-74 My '64.

PIONEERS (COMMUNIST YOUTH)—SONGS AND MUSIC

Musical education in a Pioneer detachment. O.D.Chemerys. Rad.shk. 42 no.2:110 F '64.

PIPE

Mechanisms for treating and welding pipes. V.M.Orlov. Mont.i spets.rab.v stroi. 26 no.4:27-29 Ap '64.

Pipes of tarred fiber. A.L.Reznikov. Stroi.mat. 10 no.4:3 of cover '64.

Using shale ash in the production of pipes. R.A.Volkhonskaia, O.K.Enenko, I.M.Ozerov. Trudy VNIIT no.11:190-210 '62.

PIPE—HYDRODYNAMICS

Calculating subsoil thick-walled annular cylindrical pipes by the theory of elasticity. L.M.Emel'ianov. Dokl.TSKHA no.87:367-378 '63.

Distribution of pressure on the surface of rough cylinders. D.V.Shterenlikht. Dokl.TSKHA no.87:277-285 '63.

Prequadratic area of the hydraulic resistance of pipings. G.A.Supolkin. Sbor.nauch.-tekh.inform. no.3:26-29 '60.

PIPE—STANDARDS

Specifications of pipes. N.A.Matveev. Standartizatsiia 28 no.3:45-46 Mr '64.

PIPE—WELDING

Matveev, IU.M., and others. [Welded pipe; workers' handbook] Svarnye truby; spravochnoe rukovodstvo dlia rabochikh. Moskva, Izd-vo "Metallurgiia," 1964. 188 p.

PIPE, ASBESTOS-CEMENT

[illegible] system constructed of asbestos-cement pipes. E.A.Prager. Sbor.trud.LISI no. 41:7-11 '62.

[illegible] pipes with the help of unions with [illegible]. P.I.Fedorov. Sbor.trud. LISI no. 41:[illegible] '62.

[illegible] study of butt joints of asbestos-cement pipes. E.A.Prager. Sbor.trud.LISI no. 41:26-36 '62.

PIPE, ASBESTOS-CEMENT—HYDRODYNAMICS

Hydraulic resistance of asbestos-cement pipes in pressure [illegible] flows. A.I.Korablev. Sbor.trud.LISI no. 41:[illegible] '62.

PIPE, ASBESTOS-CEMENT—STANDARDS

[illegible] standard for asbestos-cement pipes. E.A. Prager, P.I.Fedorov. Sbor.trud.LISI no. 41:83-88 '62.

PIPE, CONCRETE

[illegible] thermal curing of reinforced concrete pipes. [illegible] Mekh.stroi. 21 no.5: [illegible] My '64.

Concrete and reinforced-concrete pressureless pipes. [illegible] 21 no. 2:26-27 F '64.

[illegible] of reinforced concrete pipes with the use of [illegible] pump. A.IU.Nikol'skii. [illegible] no. 7:477-481 '63.

[illegible] the manufacture of reinforcing cages for [illegible] concrete pipes and suckers. V.K.Alekhin. [illegible] 21 no.5:13-15 My '64.

[illegible] of high pressure pipes from concrete on [illegible] aggregates. V.P.Lebedev, D.V.Berezin. [illegible] no.8:14-15 Ag '63.

PIPE, CONCRETE—TESTING

Study of the three-stage process of manufacturing reinforced concrete pressure pipes. A.M.Meshkov. Izv. vys.ucheb.zav.; stroi.i arkhit. 6 no.8:84-91 '63.

PIPE, GLASS

Assembling pipes made of "sitall"(crystallized glass). [illegible] Mont.i spets.rab.v stroi. 26 no. 4: 15-17 Ap '64.

Paint coatings for draining static electricity charges from the surface of glass tubes. L.N.Smirnova, E.N. Vasil'eva. Lakokras.mat.i ikh prim. no. 1:47-49 '64.

PIPE, PLASTIC

Kagan, D.F. [Pipelines made of solid polyvinyl chloride] Truboprovody iz tverdogo polivinilkhlorida. Moskva, Izd-vo "Khimiia," 1964. 270 p.

Kagan, D.F. [Properties and calculation of polyethylene pipes used in water supply] Issledovanie svoistv i raschet polietilenovykh trub, primeniaemykh v vodosnabzhenii. Moskva, Stroiizdat, 1964. 222 p.

PIPE, STEEL

Effect of technological processes in the manufacture of pipes from EP-184 steel on the resistance to intercrystalline corrosion and grain size. A.A.Moiseev, E.S.Gromova. Teploenergetika 11 no. 5:67-71 My '64.

Pipe production from new heat-resistant, ferritic-martensitic steels. V.IA.Ostrenko and others. Stal' 23 no. 3:258-263 Mr '64.

Testing of a pipeline with protective sheathing. P.A. Akol'zin, V.N.Guliaev. Teploenergetika 11 no. 1:32-36 Ja '64.

PIPE, STEEL—STANDARDS

Welded drive pipes. V.I.Fedorov. Standartizatsiia 28 no. 3:24 Mr '64.

PIPE, STEEL—WELDING

Character of nonmetallic inclusions during the butt welding of pipe heated by high-frequency currents. V.I.Tikhomirov and others. Svar.proizv. no. 11;10-12 N '63.

PIPE BENDING

"Technology of making parts of pipes" by F.V.Mosin. Reviewed by E.N.Moshnin. Vest. mashinostr. 44 no. 4:87-88 Ap '64.

PIPE CUTTING

New machine tool. Stan.i instr. 35 no. 4:39 Ap '64.

PIPE FITTING

Expediency of joining of short drainpipes by means of elastic couplings. V.P.Shchipakin. Dokl.TSKHA no. 87:193-199 '63.

PIPE FITTINGS

Brzheziak, IU.D. [Continuous flow line in the manufacture of flanges and rings] Potochnaia liniia izgotovleniia flantsev i kolets. Leningrad, Sudostroenie, 1964. 60 p.

PIPE MILLS

Device for automatic inverter braking control. V.S. Sychev, B.I.Dubovtsev. Elektrotekhnika 35 no. 3:52-53 Mr '64.

Engineering method of calculating changes in wall thickness during tube drawing without mandrels. IU.F. Shevakin, A.A.Cherniavskii, A.B.Lamin. Izv.vys. ucheb.zav.; chern.met. 7 no.5:104-109 '64.

Stability of the cross sectional shape of a pipe during reduction. V.V.Shveikin, G.IA.Gun, P.N.Ivshin. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:88-92 '64.

PIPE MILLS—HANDBOOKS, MANUALS, ETC.

Matveev, IU.M., and others. [Welded pipe; workers' handbook] Svarnye truby; spravochnoe rukovodstvo dlia rabochikh. Moskva, Izd-vo "Metallurgiia," 1964. 188 p.

PIPELAYING MACHINERY

Selection of boundary conditions in lifting an infinite pipeline. V.L.Berezin, K.E.Rashchepkin, E.M.IAsin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 12:69-74 '63.

PIPELINES

Experimental and theoretical investigation of the natural oscillation of pipes containing a flowing fluid. A.P. Kovrevskii. Izv. vys. ucheb. zav.; energ. 7 no. 4:89-94 Ap '64.

Method for considering flexure stresses caused by internal pressure in the walls of pipes. A.A.Voloshin. Energomashinostroenie 9 no. 3:25, 28 Mr '63.

Some results of the study of the flow around pipelines. D.V.Shterenlikht. Dokl.TSKHA no. 87:271-276 '63.

Studying the flow around the pipelines laid on the bed of water streams with free surfaces. N.N.Kremenetskii, D.V.Shterenlikht. Dokl.TSKHA no. 87:245-250 '63.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref.zhur.: Trub.transp. no. 5 My '64.

PIPELINES—FLUID DYNAMICS

Certain hydrodynamic problems in the simultaneous transportation of gas and liquid. V.A.Mamaev. Neft. khoz. 42 no.1:50-57 Ja '64.

PIPERYLENE

Polymerization of cis- and trans-piperylene under the effect of catalytic coordination systems. L.S.Bresler, B.A.Dolgoplosk, E.N.Kropacheva. Dokl.AN SSSR 155 no. 5:1101-1103 Ap '64.

PISTON RINGS

Durability of piston rings. P.Cherednichenko, A.Pesenko. Avt.transp. 42 no.5:17-18 My '64.

Using spiral steel oil control piston rings. M.D. Lisovets'. Mekh.sil'.hosp. 15 no. 5:23-24 My '64.

PISTRAK, MOISEI MIKHAILOVICH, 1888-1940

Educational activity of M.M. Pistrak (1888-1940). T.D. Korneichik. Sov.pedag. 28 no. 4:104-114 Ap '64.

PITUITARY BODY

Changes in the hypophysis and adrenal cortex under the influence of ACTH. T.N.Suchugova. Nauch.trudy Riaz. med.inst. 15:134-136 '62.

Function of the hypophysial-adrenal system in aged subjects [with summary in English]. V.P.Erez. Ukr. biokhim.zhur. 35 no.1:58-63 '63.

PITUITARY BODY—DISEASES

Morphological changes in the system hypophysis-adrenal cortex in rheumatic fever. I.I.Mironov. Nauch.trudy Riaz.med.inst. 14:74-90 '63.

Spontaneous nasal liquorrhea. E.IA.Krasnikova, A.L. Leonovich. Zdrav.Bel. 9 no.6:81-82 Je '63.

PITUITARY BODY—TUMORS

Possibilities of gamma-therapy of pituitary tumors [with summary in English]. M.A.Merkova, L.M.Omel'ianenko, A.A.Klimenko. Med.rad. 8 no. 5:17-20 My '63.

Quantitative correlations of hypophyseal tumors of different histological structure [with summary in English]. M.A.Salazkin. Vop.neirokhir. 27 no. 5:48-50 S-O '63.

PITUITARY HORMONES

Biological determination of hypophyseal prolactin in human embryogeny. S.E.Levina, E.A.Ivanova. Dokl. AN SSSR 155 no. 4:988-991 Ap '64.

PITUITRIN

Effect of sodium nitrite and pituitrin on arterial pressure and diuresis in hypophysectomized dogs following a water intake. IU.V.Khlynin. Nauch.trudy Riaz.med. inst. 15:159-160 '62.

Reaction of hypophysectomized dogs to some stimulants of the vascular tonus. O.A.Naletova, L.A.Kuznetsova. Nauch.trudy Riaz.med.inst. 15:81-84 '62.

PLACENTA—PERMEABILITY

Copper content in the blood of a parturient woman and in the blood of the umbilical vein. Sh.Shamsiddinov. Nauch.trudy SamMI 21:195-197 '62.

PLACER DEPOSITS

Distribution of heavy minerals in the [illegible] Aksenov, V.P.Petelin. Okeanologiia [illegible] '64.

PLAGUE

Effect of vitamins C and E on the physiological [illegible] istics and sensitivity of the gerbil Mer[illegible] to plague infection [with summary in English]. [illegible] Kalabukhov, G.P.Shirokova, A.I.[illegible] mikrobiol.,epid.i immun. 40 no.4:[illegible]

PLAGUE—MICROBIOLOGY

Detection of plague and tularemia [illegible] [with summary in English]. R.Kh.IA[illegible] mikrobiol., epid.i immun. 40 [illegible]

Distribution of catalase in fractions of [illegible] microbe antigens [with summary in English]. [illegible] Kanchukh and others. Ukr.biokhim.zhur. [illegible] 700-708 '63.

PLAGUE—PREVENTIVE INOCULATION

Search for effective chemical vaccines [illegible] zoonoses. Report No. 3: Development [illegible] plague vaccine and its experimental [illegible] [with summary in English]. N.I.Aleks[illegible] others. Zhur.mikrobiol.,epid.i immun. [illegible] 71 Ap '63.

PLANETARY NEBULAE

Photometric investigation of planetary [illegible] [with summary in English]. G.A.[illegible] Biur.obser. no.34:59-91 '63.

PLANETS—MODELS

Some essentially nonlinear relations in p[illegible] models. V.M.Vakhnin. Kosm.issl. [illegible] Mr-Ap '64.

PLANETS—OBSERVATIONS

Determination of right ascensions of [illegible] the meridian circle of the Kharkov Astr[illegible] servatory in 1961. K.N.Kuz'menko, [illegible] TSir.Astron.obser.Khar.un. no.26:[illegible]

PLANETS, MINOR

All-Union conference on the investigation [illegible] of minor planets and comets. V.[illegible] kosm. 9:205 '63.

State of observations of selected minor [illegible] text in Russian and English]. V.I.Ch[illegible] tsir. no.260:2-4 S '63.

PLANKTON

(see also subdivision under Azov, Sea of; [illegible] Caspian Sea; Moscow region; Moskva River; [illegible] gileyovskaya Reservoir)

Modification of Rechmenskii's bacterial [illegible] Khil'ko. Lab.delo no. 5:311-312 [illegible]

PLANT BREEDING

Plant genetics [with summary in English]. [illegible] bailo. Trudy po prikl.bot.,gen.i sel. [illegible] '63.

Using the world plant resources in breeding [illegible] mary in English]. I.A.Sizov. Trudy [illegible] i sel. 33 no. 2:3-9 '63.

PLANT CELLS AND TISSUES

Effect of penetrating radiations on the gr[illegible] development of plants. S.O.Grebinskii. [illegible] biol. 57 no. 1:90-98 Ja-F '64.

Second scientific conference on nucleic [illegible] V.G.Konarev. Izv.AN SSSR.Ser.biol. [illegible] Mr-Ap '63.

PLANT COMMUNITIES

(see also subdivision under Carpathian Mountains; Cherno Gory)

Effect of a meadow plant association on the [illegible] and biology of its components. A.O.Tria[illegible] Trudy Bot.inst.Ser.3 no. 15:100-122 '63.

Structure and productivity of some swamp plant communities. N.G.Solonevich. Trudy Bot.inst.Ser.3 no. 15:3-93 '63.

PLANT CUTTINGS

Change in some physiological processes during the rooting of apple tree cuttings. IU.L.Kudasov. [illegible] vys.shkoly; biol.nauki no. 2:158-161 '64.

PLANT DISEASES

A contribution to Russian phytopatology; book review. V.I.Popov. Zashch.rast.ot vred.i bol. 9 [illegible] '64.

PLANT INTRODUCTION

(see also subdivision under Gorky Province; Komi A.S.S.R.; White Russia)

Accelerating the introduction of better citrus varieties. F.D.Mamporiia. Agrobiologiia no. 5:705-[illegible] '63.

Development of pathogenic mycoflora during plant introduction. E.P.Protsenko. Biul.Glav.bot.sada [illegible] 80-84 '63.

PLANT INTRODUCTION (Continued)

Plant introduction in the postwar period and its immediate prospects [with summary in English]. T. N. Shevchuk. Trudy po prikl. bot., gen. i sel. 33 no. 2:131-141 '63.

Plennik, R. IA. [Outlook for the introduction of some forage plants into cultivation] Perspektivy vvedeniia v kul'turu nekotorykh kormovykh rastenii. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 96 p.
(DNAL)

Seed productivity and quality of seeds of some introduced woody plants and shrubs. V. I. Nekrasov, N. G. Smirnova. Biul. Glav. bot. sada no. 49:11-17 '63.

PLANT LICE
(see also subdivision under Murgab Valley; Tomsk Province)

Plant lice of the genus Aphis L. found on currants and gooseberries. L. M. Gusynina. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:77-81 '63.

PLANT LICE—EXTERMINATION

Chlorophos, thiophos, and methylmercaptophos in the control of aphids and spider mites on medicinal plants. V. I. Nosyrev, N. I. Ostrovskii. Khim. v sel'. khoz. 2 no. 2:51-52 F '64.

PLANT PHYSIOLOGY

Mechanism of the action of natural plant growth inhibitors. V. I. Kefeli, R. Kh. Turetskaia. Usp. sovr. biol. 57 no. 1:99-114 Ja-F '64.

Physiology of crop plants; problems of the Laboratory of Plant Physiology at the All-Union Institute of Plant Growing [with summary in English]. V. I. Razumov and others. Trudy po prikl. bot., gen. i sel. 33 no. 2:10-31 '63.

Plant physiology and some problems of plant growing [with summaries in English, German, and French]. B. A. Rubin. Vest. sel'khoz. nauki 8 no. 12:57-64 D '63.

PLANT PROPAGATION

Experiments in investigating the vegetative propagation of Trichodesma incana. M. Maltkov. Nauch. trudy SamMI 21:220-223 '62.

PLANT QUARANTINE see subdivision under Transcarpathia

PLANT SUCCESSION
(see also subdivision under Kazakhstan)

Successive changes of some meadow associations. I. V. Syrokomskaia. Bot. zhur. 49 no. 4:599-602 Ap '64.

PLANTERS (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Apparatus for repairing planter wheels. I. Kiselev, N. Klushin. Tekh. v sel'khoz. 23 no. 12:74-75 D '63.

PLANTERS (AGRICULTURAL MACHINERY)—TECHNOLOGICAL INNOVATIONS

Efficiency proposal by the turner. O. A. Bachurin, I. H. Popov. Mekh. sil'. hosp. 15 no. 2:18-19 F '64.

PLANTING TIME
(see also subdivision under Virgin Territory)

Early sowing of double-purpose flax. I. M. Rybakov. Vest. sel'khoz. nauki 8 no. 12:92-94 D '63.

Planting time and the yield of sugar beets in peat bog soils. A. I. Barsukou. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1:60-65 '64.

PLANTS—ASSIMILATION

Effect of light conditions on the motion of assimilates in corn [with summary in English]. K. P. Bilenko, A. M. Hrodzins'kyi, V. M. Parshykov. Ukr. bot. zhur. 21 no. 2:47-54 '64.

PLANTS—CHEMICAL ANALYSIS

Biochemical research on cultivated plants at the All-Union Institute of Plant Growing [with summary in English]. A. I. Ermakov. Trudy po prikl. bot., gen. i sel. 33 no. 2:63-94 '63.

Chemical composition of Alhagi persarum. E. Z. Asoeva, A. D. Dauksa, E. K. Denisova. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:75-77 '63.

Chemical composition of the prickly pear. M. N. Sileva. Biul. Glav. bot. sada no. 48:99-100 '63.

Comparative properties of cytoplasmic proteins and of soluble chloroplast proteins in higher plants [with summary in English]. S. S. Melik-Sarkisian, N. M. Sisakian, E. N. Svetailo. Biokhimiia 27 no. 6:1047-1053 N-D '62.

Examination of some vitamin-containing plants for their manganese content [with summary in English]. N. I. Grinkevich and others. Apt. delo 11 no. 5:41-43 S-O '62.

Interrelations between different conditions of nitrogen, phosphorus and potassium nutrition on the yield and change in the chemical composition of plants. A. A. Drobkov. Izv. AN SSSR. Ser. biol. no. 3:410-423 My-Je '64.

Method of determining 2, 4-dichlorophenoxyacetic acid in plant tissues. M. T. Gagarina. Khim. v sel'. khoz. 2 no. 3:30-32 Mr '64.

Polarographic method of determining calcium in solutions and plant tissues [with summary in English]. A. E. Petrov-Spiridonov. Izv. TSKHA no. 1:236-238 '60.

Simplest field methods for determining the plants' need for fertilizers. T. S. Dagaeva. Shkola i proizv. 8 no. 3:56-60 Mr '64.

Variable reaction of monocotyledon and dicotyledon plants to 2, 4-D. M. I. Gagarina. Khim. v sel'. khoz. 2 no. 3:32-34 Mr '64.

PLANTS—DISEASE AND PEST RESISTANCE

Disease and pest resistance of farm crops [with summary in English]. P. G. Chesnokov. Trudy po prikl. bot., gen. i sel. 33 no. 2:95-118 '63.

PLANTS—DISEASES AND PESTS

Brief information. Z. V. Abramova and others. Zashch. rast. ot vred. i bol. 9 no. 4:49-50 '64.

PLANTS—EVOLUTION

Formation of flowering plants in the light of the evolution of the behavior of wasplike ancestors of bees (Angiospermae, Vespiformia s. Lat.). S. I. Malyshev. Usp. sovr. biol. 57 no. 1:159-174 Ja-F '64.

PLANTS—FROST RESISTANCE

Controlled heritable transformation of the dual-purpose wheat into frost-resistant winter forms. V. K. Karapetian. Izv. AN SSSR. Ser. biol. no. 3:451-459 My-Je '64.

Frost resistance of winter grain crops in relation to age and the intensity of growth processes. T. T. Biglov. Izv. AN SSSR. Ser. biol. no. 3:424-432 My-Je '64.

Preserving during the winter period, plants of spring crops sown in early fall by late fall feeding with a sugar solution. O. T. Lysenko. Agrobiologiia no. 5:684-686 S-O '63.

Preserving poorly wintering winter and spring forms of wheat during fall, winter and spring. T. I. Trunova. Agrobiologiia no. 5:687-690 S-O '63.

PLANTS—METABOLISM

Change in some physiological processes during the rooting of apple tree cuttings. IU. L. Kudasov. Nauch. dokl. vys. shkoly; biol. nauki no. 2:158-161 '64.

Chanishvili, Sh. Sh. [Translocation of assimilates in grapevine] Peredvizhenie assimiliatov v vinogradnoi loze. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 102 p.
(DNAL)

PLANTS—NUTRITION

Conditions of the potassium nutrition of plants (barley, potatoes) in light turf-Podzolic soils. I. S. Lupinovich, A. N. Haurylava. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1:11-21 '64.

Plant nutrition and the use of fertilizers. Z. I. Zhurbitskii. Zemledelie 26 no. 4:52-56 Ap '64.

PLANTS—REPRODUCTION

Vegetative reproduction of the Japanese cherry. O. O. Kedrov-Zikhman. Bot.; issl. Bel. otd. VBO no. 5:184-187 '63.

PLANTS—RESPIRATION

Sap rise rate in woody plants. Van Sha-shen [Wang Sha-shêng]. Dokl. AN SSSR 156 no. 3:706-707 '64.

PLANTS—TRANSPIRATION

Physiological significance of the process of water vapor absorption by plant leaves. L. N. Babushkin. Dokl. AN SSSR 155 no. 5:1216-1219 Ap '64.

PLANTS—WATER REQUIREMENTS—BIBLIOGRAPHY see Bibliography—Plants—Water requirements

PLANTS, CULTIVATED

Biochemical research on cultivated plants at the All-Union Institute of Plant Growing [with summary in English]. A. I. Ermakov. Trudy po prikl. bot., gen. i sel. 33 no. 2:63-94 '63.

[Plant culture] Ref. zhur.: Rast. nos. 9-11 My-Je '64.

PLANTS, EFFECT OF BORON ON

Effect of boron deficiency on the adenosinetriphosphatase activity of the sunflower. A. N. Maevskaia, Kh. A. Alekseeva. Dokl. AN SSSR 156 no. 1:212-213 My '64.

PLANTS, EFFECT OF CALCIUM ON

Penetration of radioactive calcium into the leaves of the sunflower as related to the supply of the nutritive medium with calcium and the age of the plant [with summary in English]. S. E. Shkel'. Izv. TSKHA no. 1:135-148 '60.

PLANTS, EFFECT OF CHLORINE ON

Effect of microelements on the absorption of chlorine by plants. G. V. Udovenko, N. P. Ivanov. Dokl. AN BSSR 8 no. 1:60-62 Ja '64.

PLANTS, EFFECT OF CLIMATE ON

Effect of some climatic factors on the accretion of common pine. I. V. Guniazhenko. Bot.; issl. Bel. otd. VBO no. 5:173-176 '63.

PLANTS, EFFECT OF ELECTRICITY ON

Study of the electric current flow in broad-leaved and coniferous trees. S. G. Khodasevich. Dokl. AN SSSR 155 no. 4:967-969 Ap '64.

Use of additional light for producing seeds of Primula obconica Hance. E. M. Fomin, A. A. Fateeva. Biul. Glav. bot. sada no. 48:91-92 '63.

PLANTS, EFFECT OF GAMMA RAYS ON

Effect of ionizing radiation on the size of nuclei of the assimilating tissue of the leaf. P. A. Vlasiuk, V. V. Sil'chenko. Dokl. AN SSSR 155 no. 3:668-669 Mr '64.

PLANTS, EFFECT OF GASES ON

Effect of specific industrial gases on the growth of some woody plants. V. G. Antipov. Bot.; issl. Bel. otd. VBO no. 5:150-154 '63.

PLANTS, EFFECT OF HERBICIDES ON

Effect of some herbicides on the yield and starchiness of potatoes. S. M. Mashtakov, V. I. Slizhov. Bot.; issl. Bel. otd. VBO no. 5:63-70 '63.

PLANTS, EFFECT OF HYDROGEN-ION CONCENTRATION ON

Effect of the bleeding sap of corn grown in various pH media on the callus growth in carrots. S. S. Andreenko, N. G. Potapov, L. G. Kosulina. Dokl. AN SSSR 155 no. 4:964-966 Ap '64.

PLANTS, EFFECT OF HYDROGEN ON

Change in the rate of photosynthesis by Scenedesmus obliquus observed together with a growth in the hydrogen concentration in the medium. V. M. Kutiurin, M. V. Ulubekova, L. P. Kazanskii. Dokl. AN SSSR 154 no. 3:725-727 Ja '64.

PLANTS, EFFECT OF LIGHT ON

Change in the dormancy potential of an individual cell of the alga Nitella flexilis after stimulation by light. G. A. Volkov. Dokl. AN SSSR 155 no. 5:1224-1226 Ap '64.

Comparison of the oxidation potentials of chlorophyll and bacterial pigments under illumination. V. B. Evstigneev, V. A. Gavrilova. Dokl. AN SSSR 154 no. 3:714-717 Ja '64.

Effect of light conditions on the motion of assimilates in corn [with summary in English]. K. P. Bilenko, A. M. Hrodzins'kyi, V. M. Parshykov. Ukr. bot. zhur. 21 no. 2:47-54 '64.

Effect of light on the phosphorus metabolism in protococcal algae. S. S. Baslavskaia, E. I. Bystrova. Dokl. AN SSSR 155 no. 5:1220-1223 Ap '64.

Effect of the light factor on the formation of pigments in ripening tomato fruit. E. F. Shabel'skaia, T. N. Godnev. Dokl. AN BSSR 8 no. 1:53-56 Ja '64.

Reaction of tomatoes to the interruption of light and dark periods in various hours of the day [with summary in English]. I. I. Gunar, M. Kaspshik, E. E. Krastina. Izv. TSKHA no. 1:89-102 '60.

PLANTS, EFFECT OF MANGANESE ON

"Manganese nutrition and plant fertilizers" by P. A. Vlasiuk. Reviewed by V. A. Kapitanchuk. Dop. AN URSR no. 2:283-285 '64.

PLANTS, EFFECT OF MINERALS ON

Characteristics of mineral nutrition of corn. N. E. Mishustina. Izv. AN SSSR. Ser. biol. no. 3:469-473 My-Je '64.

Interrelations between different conditions of nitrogen, phosphorus and potassium nutrition on the yield and change in the chemical composition of plants. A. A. Drobkov. Izv. AN SSSR. Ser. biol. no. 3:410-423 My-Je '64.

PLANTS, EFFECT OF MINERALS ON—BIBLIOGRAPHY see Bibliography—Plants, Effect of minerals on

PLANTS, EFFECT OF NITROGEN ON

Assimilation of the nitrogen of mineral fertilizers by bean and grain components in mixed sowing (experiments with N^{15}). S. V. Shishchenko. Khim. v sel'. khoz. 2 no. 3:9-11 Mr '64.

Lowland peat as a source of nitrogen, its mineralization in the soil and under the conditions of prolonged aeration. E. I. Dvoinishnikova. Bot.; issl. Bel. otd. VBO no. 5:22-30 '63.

Nutrition physiology of the cultivated chamignon Agaricus bisporus Lange. Report No. 1: Nitrogen nutrition. L. V. Garibova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:137-141 '64.

Relation between the various forms of nitrogen and the quality of green tea leaf. A. T. Mirzoian. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:35-39 '63.

PLANTS, EFFECT OF PHOSPHORUS ON

Differentiated placement of phosphorus fertilizers in cotton fields. A. Mirzoev and others. Khim. v sel'. khoz. 2 no. 3:12-14 Mr '64.

Use of P^{32} for studying the phosphorus uptake by early cabbage using various methods of fertilizer placement. S. N. Ivanov, E. D. Shagalova. Dokl. AN BSSR 8 no. 1:57-59 Ja '64.

PLANTS, EFFECT OF POTASSIUM ON

Effect of various forms of potassium fertilizers on the productivity of plants [with summaries in English, German, and French]. D. A. Altunin. Vest. sel'khoz. nauki 8 no. 12:12-14 D '63.

PLANTS, EFFECT OF RADIATION ON

Effect of ionizing radiation and a growth stimulant of petroleum origin on the growth and productiveness of alfalfa. F.G.Isaeva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:67-74 '63.

Effect of penetrating radiations on the growth and development of plants. S.O.Grebinskii. Usp.sovr. biol. 57 no.1:90-98 Ja-F '64.

Effect of spectral composition and the intensity of radiant energy on the chlorophyll content as related to the length of the photoperiod. I.A.Shul'gin, L.A. Khodorenko. Dokl.AN SSSR 156 no.3:712-714 '64.

PLANTS, EFFECT OF SALTS ON

Effect of salts on some physiological characteristics of seeds and sprouts of the Japanese pagoda tree. S.A. Alekperov, T.E.Khrzhanovskaia. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.12:3-15 '61.

Enzymatic transformations of some carbohydrates in the leaves of field crops in relation to their adaptation to soil salinity. L.A.Boiko, G.R.Matukhin. Nauch.dokl. vys.shkoly; biol.nauki no.2:154-157 '64.

PLANTS, EFFECT OF SOIL MOISTURE ON

Effect of soil moisture balance on the growth and condition of woody plants. I.N.Rakhteenko, S.B.Kochanovskii, L.A.Krot. Bot.; issl.Bel.otd.VBO no.5:205-210 '63.

Resistance of spring wheat to excessive moisture in various growth phases. I.A.Stefanovskii. Agrobiologiia no.5:778-779 S-O '63.

PLANTS, EFFECT OF SUCCINIC ACID ON

Increase in sugar content in radish as a result of the presowing seed treatment. A.M.Kharach. Biul.Glav bot.sada no.48:93-94 '63.

PLANTS, EFFECT OF SUGAR ON

Preserving during the winter period, plants of spring crops sown in early fall by late fall feeding with a sugar solution. O.T.Lysenko. Agrobiologiia no.5: 684-686 S-O '63.

PLANTS, EFFECT OF TEMPERATURE ON

Principles of the "loosening" of the conservatism in plant heredity. D.A.Dolgushin. Agrobiologiia no.5: 652-661 S-O '63.

Variability of the wheat Tr.dicoccum, Tr.persicum, and Tr.timopheevi under the effect of low temperatures on sprouts. M.M.Kisliuk. Agrobiologiia no.5:779-781 S-O '63.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of microelements on the absorption of chlorine by plants. G.V.Udovenko, N.P.Ivanov. Dokl.AN BSSR 8 no.1:60-62 Ja '64.

Effect of microelements on the activity of cytochrome oxidase of plants. D.A.Aliev. Dokl.AN SSSR 156 no.1:207-208 My '64.

Effect of micronutrients on the yield of peas and fodder beans. G.T.Kuleshov. Nauch.dokl.vys.shkoly; biol. nauki no.2:151-153 '64.

Effect of trace elements on the development of corn. K.I.Kirillova. Trudy Kras.NIISKH 1:31-39 '62.

Role of trace elements in increasing the drought-resistance of plants. M.IA.Shkol'nik. Vest.AN SSSR 34 no.2:63-66 F '64.

Use of microelements and growth promoting substances in pine nurseries. M.S.Shingarev. Bot.; issl.Bel. otd.VBO no.5:216-218 '63.

PLANTS, EFFECT OF ULTRAVIOLET RAYS ON

Phototherapy of plants. M.N.Talieva, S.G.Miuge. Biul.Glav.bot.sada no.48:73-80 '63.

PLANTS, EFFECT OF UREA ON

Effect of urea on crop yields [with summaries in English, German, and French]. N.V.Popov. Vest.sel'khoz. nauki 8 no.12:9-11 D '63.

PLANTS, FLOWERING OF

Biology of the flowering of the oil-bearing poppy in Moscow Province. V.L.Tuzhikov. Biul.Glav.bot.sada no.48:100-105 '63.

Characteristics of growth and flowering of apple trees produced from crown and root tissues. E.S.Chernenko. Dokl.AN SSSR 156 no.1:218-221 My '64.

Step-by-step flowering of rye. V.A.Bannikova. Nauch. dokl.vys.shkoly; biol.nauki no.2:107-110 '64.

PLANTS, ORNAMENTAL see subdivision under Kopetdag

PLANTS, ORNAMENTAL—DISEASES AND PESTS see subdivision under Apsheron Peninsula

PLANTS, PROTECTION OF

(see also subdivision under Moldavia; Poland)

From the pages of foreign biological and agricultural publications. N.F.Neiman, L.I.Sorkina-Finkel'. Agrobiologiia no.5:797-798 S-O '63.

In Vologda Province. IU.N. Zashch.rast.ot vred.i bol. 9 no.4:11 '64.

Initiative of the Gorkiy students. IA.N.Kharitonov. Zashch.rast.ot vred.i bol. 9 no.4:9-10 '64.

Questions and answers. Zashch.rast.ot vred.i bol. 9 no.4:34,39 '64.

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, SPACE ARRANGEMENT OF

Nomograms for calculating the density of a plantation. A.P.Terekhov, D.M.Semakhin. Mekh.sil'.hosp. 15 no.5:9-10 My '64.

Shaping sugar beet stands. O.M.Hnatiuk. Mekh.sil'. hosp. 15 no.5:11-12 My '64.

PLASMA (IONIZED GASES)

Amplitude and shape of strata [with summary in English]. A.V.Nedospasov, IU.B.Ponomarenko. Zhur.eksp.i teor.fiz. 46 no.3:926-928 Mr '64.

Anomalous diffusion of a plasma in a magnetic field. G.M.Zaslavskii, S.S.Moiseev. Zhur.tekh.fiz. 34 no.3:410-418 Mr '64.

Astrophysical problems of plasma physics [with summary in English]. D.A.Frank-Kamenetskii. Vop. kosm. 9:70-90 '63.

Bolometric method of determining the time dependence of energy losses by a plasma. L.L.Gorelik. Zhur. tekh.fiz. 34 no.3:496-504 Mr '64.

Effect of collisions on the drift instability of a plasma at a finite Larmor ion radius. A.B.Mikhailovskii, O.P. Pogutse. Dokl.AN SSSR 156 no.1:64-66 My '64.

Electric field strength at the surface of a body in plasma. A.V.Gurevich. Kosm.issl. 2 no.2:232-245 Mr-Ap '64.

General condition for the stability of higher correlation functions in a plasma. S.V.Iordanskii, A.G.Kulikovskii. Dokl.AN SSSR 156 no.1:35-37 My '64.

Hydrothermomagnetic waves in a weakly inhomogeneous plasma [with summary in English]. L.E.Gurevich, B.L.Gel'mont. Zhur.eksp.i teor.fiz. 46 no.3:884-901 Mr '64.

Interaction between a plasma and high-frequency fields in the presence of a constant uniform magnetic field. IU.A.Berezin and others. Zhur.tekh.fiz. 34 no.3: 448-453 Mr '64.

Konferentsiia po fizike plazmy i problemam upravliaemogo termoiadernogo sinteza. 3d, Kharkov, 1962. [Plasma physics and problems of controlled thermonuclear synthesis; reports] Fizika plazmy i problemy upravliaemogo termoiadernogo sinteza; doklady. Kiev, Izd-vo Akad.nauk USSR, 1963. 366 p.

Measurement of high-frequency fields in a plasma wave guide. O.G.Zagorodnov, L.I.Bolotin, V.D.Bakhtin. Zhur.tekh.fiz. 34 no.3:469-473 Mr '64.

New three-layer bolometers for measuring energy losses by a plasma. L.L.Gorelik, V.V.Sinitsyn. Zhur.tekh. fiz. 34 no.3:505-508 Mr '64.

Passage of a plasma from a source with electron oscillation into a vacuum space with a magnetic field. M.D. Gabovich, L.I.Romaniuk, E.A.Lozovaia. Zhur.tekh. fiz. 34 no.3:488-495 Mr '64.

Peculiarities of noncollisional shock waves in the relativistic plasma [with summary in English]. S.S. Moiseev. Vop.kosm. 9:171-175 '63.

Phenomena of a critical magnetic field and anomalous diffusion in a lightly ionized plasma. A.M.Fridman. Dokl.AN SSSR 154 no.3:567-570 Ja '64.

Sinel'nikov, K.D., and others. [Study of a magnetic trap with a volume charge] Issledovanie magnitnoi lovushki s ob"emnym zariadom. Khar'kov, Fiziko-tekhn. in-t Akad.nauk USSR, 1960. 243-254 p.

Space potential of a steady-state plasma perturbed by a nonuniform high-frequency field. K.S.Golovanivskii, V.D.Dugar-Zhabon, A.A.Kuzovnikov. Zhur.tekh.fiz. 34 no.3:454-457 Mr '64.

Steady axially symmetric plasma streams across an azimuthal magnetic field. A.I.Morozov, L.S.Solov'ev. Zhur.tekh.fiz. 34 no.3:429-443 Mr '64.

Theory of transfer phenomena in a nonisothermal completely ionized plasma. L.M.Gorbunov, V.P.Silin. Zhur.tekh.fiz. 34 no.3:385-394 Mr '64.

Transfer equations for a three-component plasma in a magnetic field. I.P.Stakhanov, A.S.Stepanov. Zhur. tekh.fiz. 34 no.3:399-409 Mr '64.

"Universal" instability in a potassium plasma. N.S.Buchel'nikova. Zhur.eksp.i teor.fiz. 46 no.3:1147-1148 Mr '64.

PLASMA (IONIZED GASES)—SPECTRA

Determining the concentration of charged particles and neutral atoms from the self-reversed contours of spectral lines in a plasma. L.I.Grechikhin. Teplofiz. vys.temp. 1 no.2:198-202 S-O '63.

PLASMA OSCILLATIONS

High-frequency oscillations of a plasma in a magnetic field. V.D.Fedorchenko, V.I.Muratov, B.N.Rutkevich. Zhur.tekh.fiz. 34 no.3:458-462 Mr '64.

Instability of electron Langmuir oscillations of a plasma in the presence of a magnetic field. V.N.Oraevskii. Atom.energ. 16 no.5:441-442 My '64.

Use of a probing beam in studying high-frequency plasma oscillations in a magnetic field. V.D.Fedorchenko, V.I.Muratov, B.N.Rutkevich. Zhur.tekh.fiz. 34 no.3:463-468 Mr '64.

PLASMALOGEN

Effect of total ionizing irradiation on the [illegible] content of the brain [with summary in English]. [illegible] Baryshnikova. Ukr.biokhim.zhur. 35 no.[illegible] '63.

PLASTER CASTS, SURGICAL

Methodology of applying a thoracobrachial cast [illegible] patient in a recumbent position. A.F.A[illegible] Talyshinskii. Ortop., travm.i protez. [illegible] O '63.

PLASTERBOARD

SM-1004 installation for automatic unloading [illegible] of gypsum plaster board sheets. S.A.Ki[illegible] mat. 10 no.1:27-29 Ja '64.

PLASTERING

Building tool. Bucket for plaster. Biul.[illegible] no.11:16-17 N '63.

Instructions for restricting the use of plaster [illegible] struction of production and auxiliary buildings [illegible] structures of industrial and agricultural [illegible] Biul.stroi.tekh. 21 no.2:17-20 F '64.

Mukhortov, I.D. [Air-hardening lime for finishing [illegible] ings] Vozdushnaia izvest' v otdelke zdanii. M[illegible] Izd-vo MKKh RSFSR, 1964. 60 p.

PLASTIC FILMS

Determining the migratory stability of [illegible] and lacquer in polyvinyl chloride films. [illegible] and others. Kozh.-obuv.prom. 6 no.4[illegible]

Effect of the structure of polyvinyl alcohol [illegible] mechanism of their pyrolysis. G.I.D[illegible] Sotnikov, E.I.Kortukova. Dokl.AN SSSR 15[illegible] 652-653 '64.

Machine for inlaying and fastening of ther[illegible] and edging. B.A.Kusnor, N.I.Petrov. [illegible] trudy TSNIIShveiproma no.10:115-123 '6[illegible]

Utilization of plastic coated metals in the [illegible] food machinery. N.IA.Kostel'man, V.N.K[illegible] Izv.vys.ucheb.zav.; pishch.tekh. no.2:[illegible]

PLASTIC FOAMS

Characteristics of gluing from plastics. V.M.[illegible] Stroi.mat. 10 no.1:8-9 Ja '64.

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Effect of Drucker's postulate for plastic an[illegible] bodies. G.I.Bykovtsev. Prikl.mat.i mekh. [illegible] 356-360 Mr-Ap '64.

Methods of elastic solutions in the theory of a [illegible] flow. I.A.Birger. Izv.AN SSSR.Mekh.i [illegible] no.2:116-118 Mr-Ap '64.

Physical state of a surface layer undergoing plastic [illegible] formation. V.P.Severdenko, L.I.Gurevi[illegible] BSSR 8 no.3:154-156 Mr '64.

Plastic flow of solids. I.G.Nekrashevich, I.A.[illegible] Dokl.AN BSSR 8 no.1:20-23 Ja '64.

Present state and future development of [illegible] search on the scientific principles of [illegible] plasticity. Dop.AN URSR no.3:413-415 '6[illegible]

Structure of a field of microstrains in a deve[illegible] plastic flow. G.I.Barenblatt, V.A.[illegible] mat.i mekh. 28 no.2:326-334 Mr-Ap '64.

Tarnovskii, I.IA., and others. [Variational principles of mechanics in the theory of metalworking by pressure] Variatsionnye printsipy mekhaniki v teorii [illegible] metallov davleniem. Moskva, Metallurgizdat, [illegible] 52 p.

Theory of smoothly changing plastic flows. [illegible] P.I.Polukhin. Izv.vys.ucheb.zav.; chern.[illegible] no.5:69-74 '64.

PLASTICITY—TESTING

Determining plasticity during the forging of [illegible] blanks. V.I.Zaleskii, M.S.TSibanova, [illegible] Izv.vys.ucheb.zav.; chern.met. 7 no.5:[illegible]

PLASTICIZATION

Some means of increasing the stability of plast[illegible] systems. V.A.Voskresenskii and others. Izv.vys. ucheb.zav.; khim.i khim.tekh. 7 no.1:133-1[illegible]

PLASTICIZERS

Effect of a nonsolvent on the physicomechanical prop[illegible] erties of concentrated polymer solutions. V.P.[illegible] kov, IU.V.Ovchinnikov, V.A.Kargin. Dokl.AN SSSR 155 no.2:422-425 Mr '64.

Problem of the plasticization of polyvinyl chloride [illegible] plasticizers of various chemical natures and [illegible] tures. N.K.Moshchinskaia, N.N.Vasil'ev, [illegible] skaia. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:127-131 '64.

Radical nature of degradation of a number of organo-sulfur compounds, accelerators of rubber plast[illegible] [with summary in English]. A.S.Prashchikina, [illegible] Gur'ianova, A.E.Grinberg. Vysokom.soed. 6 no.[illegible] 112-117 Ja '64.

PLASTICIZERS (Continued)

Study of the structural characteristics of polyvinyl chloride by the plasticization method [with summary in English]. I.N. Razinskaia, B.P. Shtarkman, P.V. Kozlov. Vysokom.soed. 6 no.3:427-431 Mr '64.

Synthesis of esters (plasticizers) based on cyclohexanol and synthetic acids. B.K. Zeinalov, R.M. Aliev. Azerb. khim.zhur. no.1:89-94 '64.

PLASTICS

Asbestos reinforced plastics. V.D. Popov. Stroi.mat. 10 no.4:36-39 Ap '64.

Equal strength of a metal-polymer gear transmission. V.A. Belyi, A.I. Sviridenok. Dokl.AN BSSR 8 no.1: 21-23 Ja '64.

Let's teach them to apply polymer materials: Yes, this type of specialist is needed. A.IA. Sokolov, V.N. Kestel'man. Vest.vys.shkoly 22 no.4:21-22 Ap '64.

Polishing of polymethylmethacrylate by oxypropane flame. IU.A. Kalachev, N.I. Ivanov. Plast.massy no.5:61 '64.

Use of plastics for the protection of threaded joints against spontaneous loosening. A.A. Shturman. Plast. massy no.5:65-66 '64.

Use plastics in fire department equipment. N. Khmelev. Pozh.delo no.3:21 Mr '64.

Using polymers for protecting fruit trees in wintertime. I.N. Kotovich. Khim.v sel'.khoz. 2 no.3:50-52 Mr '64.

PLASTICS—BIBLIOGRAPHY see Bibliography—Plastics

PLASTICS—MOLDING

Studying the processes of injection molding of thermosetting plastics. Determining the technological conditions of the processing. A.D. Sokolov, I.F. Kanavets. Plast.massy no.5:27-33 '64.

PLASTICS—STANDARDS

New standards for plastics. Plast.massy no.5:74-75 '64.

PLASTICS IN BUILDING see subdivision under Maritime Territory

PLASTICS IN INDUSTRY

Braginskii, V.A. [Shrinkage and precision of plastic parts] Usadka i tochnost' detalei iz plastmass. Leningrad. (Leningradskii dom nauchno-tekhnicheskii propagandy. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii)

Pt.1. [Shrinkage of plastic parts; verbatim record of a lecture] Usadka detalei iz plastmass; stenogramma lektsii. 1963. 42 p.

Glagoleva, L.A., and I.V. Rakhlin. [Economic efficiency of using plastics in machinery manufacturing] Ekonomicheskaia effektivnost' primeneniia plastmass v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 167 p.

[Handbook for a mechanical engineer in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N.S. Acherkan i dr. Moskva, Izd-vo "Mashinostroenie,"

Vol.5. Book 2. Satel', E.A., ed. Izd.3., ispr. i dop. 1964. 454-920 p.

Plastics should be used in motor vehicle repair shops. G. Malyshev. Avt.transp. 42 no.4:25-26 Ap '64.

Results of the All-Union Competition for the best research and production-engineering work on the manufacture of plastic parts. P.S. Pautynskii. Vest.mashinostr. 44 no.4:85-86 Ap '64.

Use plastics in casings and forms. Sbor.nauch.-tekh. inform. no.3:42 '60.

Using plastics in the agricultural machinery industry. G.V. Shcheglovskii. Mashinostroenie no.2:87-89 Mr-Ap '64.

Using polymer materials for the reparation of defects in castings. L.IA. Chernov, A.Kh. Gendler. Mashinostroenie no.2:44-46 Mr-Ap '64.

PLASTICS IN MEDICINE

Plastic surgery of the cranial roof. G.B. Titiner. Eksper.khir.i anest. 7 no.4:10-12 Jl-Ag '62.

Use of autoplast veins reinforced by perlon casings for plastic surgery of peripheral arteries under experimental conditions. IU.G. Shaposhnikov. Eksper.khir.i anest. 8 no.4:42-46 Jl-Ag '63.

Use of elastic plastics in closing cranial defects in a growing organism. A.A. Ol'shanetskii, A.IU. Svidler. Eksper.khir.i anest. 7 no.4:6-10 Jl-Ag '62.

Use of plastic esophageal prostheses [with summary in English]. L.G. Kharitonov, A.G. Kozhemiakin. Vest. khir. 90 no.5:3-8 My '63.

Use of polymer film for local treatment of burns. M.I. Shraiber and others. Eksper.khir.i anest. 7 no.4: 63-65 Jl-Ag '62.

PLASTICS IN THE PETROLEUM INDUSTRY

Chemistry in the transportation and storage of petroleum and petroleum products. A.A. Keller, L.A. Matskin. Neft.khoz. 42 no.5:1-7 My '64.

PLASTICS INDUSTRY
(see also subdivision under Armenia)

Optimum output volumes of articles manufactured from polymeric materials with the extrusion method. A.N. Nikolaev. Plast.massy no.5:1-3 '64.

Various information. Plast.massy no.5:70 '64.

PLASTICS INDUSTRY—EXHIBITIONS

Exhibition of Achievements of the National Economy of the U.S.S.R. Plast.massy no.5:73-74 '64.

PLATE TOWERS

Certain data on the industrial evaluation of the efficiency of a sieve plate with a baffle arrangement. M.L. Kreimer and others. Trudy BashNII NP no.6:217-225 '63.

Determining the complete resistance of bubble sieve plates. V.P. Pavlov. Khim.prom. no.3:228-232 Mr '64.

Effect of the concentration of the feeding on the conditions of a rectification column. P.S. TSygankov, I.F. Malezhik. Izv.vys.ucheb.zav.; pishch.tekh. no.2: 110-113 '64.

Kinetic design of plate apparatus taking the mixing of the liquid phase into account. A.N. Planovskii, A.A. Zakharova, A.V. Sarukhanov. Khim.prom. no.3:224-227 Mr '64.

Mechanism of an advance-stage purification of vapors by removing entrained drops in plate columns. A.M. Rozen, N.F. Alen'kin, S.I. Golub. Dokl.AN SSSR 154 no.3: 699-702 Ja '64.

PLATE TOWERS—TESTING

Experimental study of the static characteristics of the ethane-ethylene tower. V.N. Krivsunov and others. Khim.prom. no.3:221-224 Mr '64.

PLATES, IRON AND STEEL—VIBRATION

Visualization of vibrations in plates. I.I. Kliukin. Akust. zhur. 10 no.1:123-124 '64.

PLATINUM CATALYSTS

Effect of the size of granule carrier on the macroscopic distribution of platinum in adsorption catalysts [with summary in English]. A.N. Mal'tsev and others. Zhur. fiz.khim. 37 no.3:628-633 Mr '63.

PLATINUM CATALYSTS—MAGNETIC PROPERTIES

Magnetic susceptibility of platinum catalysts. E.A. Bylina, V.B. Evdokimov, N.I. Kobozev. Zhur.fiz.khim. 36 no.11:2552-2556 N '62.

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM METAL COMPOUNDS

Akademiia nauk SSSR. Institut obshchei i neorganicheskoi khimii. [Synthesis of complex compounds of platinum group metals; a handbook] Sintez kompleksnykh soedinenii metallov platinovoi gruppy; spravochnik. Moskva, Izd-vo "Nauka," 1964. 338 p.

PLES (IVANOVO PROVINCE)

Moiseev, P.I. [City of Ples] Gorod Ples. [Izd.2., dop. Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 133 p. (NIC)

PLEURA

Smooth musculature of the human pulmonary pleura. O.N. Timofeeva. Zdrav.Bel. 9 no.6:47-49 Je '63.

PLEURA—BLOOD SUPPLY

Vascularization of pleural adhesions. V.V. Vakhidov. Eksper.khir.i anest. 7 no.4:16-20 Jl-Ag '62.

PLEURA—DISEASES

Vascularization of pleural adhesions. V.V. Vakhidov. Eksper.khir.i anest. 7 no.4:16-20 Jl-Ag '62.

PLEURA—SURGERY

Search for new methods of resection of the thoracic segment of the esophagus combined with intrapleural gastroesophagostomy [with summary in English]. A.A. Shalimov. Khirurgiia 39 no.6:33-39 Je '63.

Technique of pancreatic resection in a transpleural removal of cardial cancer [with summary in English]. A.S. Lur'e. Khirurgiia 39 no.6:63-65 Je '63.

PLOWING see subdivision under Russia, Northwestern

PLOWS

Expenditure of force in moving a wedge on slopes. Kh.A. Khachatrian. Trudy Arm.NIIMESKH no.1:159-170 '63.

Sturdy plowshare. A. Sushchenko. Izobr.i rats. no.3: 16-17 '64.

PLUMBING

Petrakov, N.M. [Industrial training of plumbers at building projects] Proizvodstvennoe obuchenie slesareisantekhnikov na stroitel'nykh ob"ektakh. Moskva, Vysshaia shkola, 1964. 31 p. (Obmen opytom raboty)

PLURALITY OF WORLDS

Conference on the problem of the origin of life in the universe. E.L. Ruskol. Vop.kosm. 9:263-264 '63.

PLUTONIUM

Design of thermal reactors with plutonium recycling. P. Venisol'. Atom.energ. 16 no.5:413-417 My '64.

PLUTONIUM COMPOUNDS

Reaction of tetravalent plutonium with arsenazo III [with summary in English]. A.A. Nemodruk, N.E. Kochetkova. Zhur.anal.khim. 18 no.3:333-338 Mr '63.

PLUTONIUM ISOTOPES

Low energy γ-transitions in Pu^{238} and Pu^{240}. G.G. Akalaev, N.A. Vartanov, P.S. Samoilov. Atom.energ. 16 no.5:452-453 My '64.

PNEUMATIC CONVEYING

Determination of fuel expenditure in a coal dust conduit and the productive capacity limit of a ball mill taking into account the resistance of the dust conduit. A.P. Kovalev, IA.A. Kagan. Teploenergetika 11 no.5:38-42 My '64.

Pneumatic conveying of cement. V.V. Zubov. Mekh. stroi. 21 no.4:16 Ap '64.

Studying the regularities of vibration and vibration-pneumatic conveying of bulk loads. I.F. Goncharevich. Trudy VNIIZ no.42:119-132 '63.

Using pneumatic conveying in sorting mixtures of grain particles ground with the break systems No.1 and No.2. N.G. Fedotov. Trudy VNIIZ no.42:295-309 '63.

PNEUMATIC MACHINERY

Decrease in the consumption of compressed air by consumers. V.I. Shishkin. Prom.energ. 19 no.4:28-29 Ap '64.

Studying parameters for a pneumatic seed classifier. A.S. Matveev. Mekh.i elek.sots.sel'khoz. 22 no.1:55-56 '64.

PNEUMATIC TOOLS
(see also subdivision under Ukraine)

Manual pneumatic tool. N.P. Smirnov. Mekh.i avtom. proizv. 18 no.4:41 Ap '64.

PNEUMOCOCCUS

Study on the detection of Diplococcus septicus in the venous blood of oxen producing antidiplococcal serum [with summary in English]. M.M. Kal'chenko. Mikrobiol.zhur. 25 no.1:25-28 '63.

PNEUMOCOCCUS—CULTURES AND CULTURE MEDIA

Preparation of an antiserum for the determination of C-reactive protein. T.A. Danilova, S.S. Akop'iants. Lab.delo no.5:280-283 '64.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMONIA

The effect of rickets and hypotrophy on the enzymatic function of the digestive system in pneumonia in children [with summary in English]. A.G. Gracheva. Pediatriia 42 no.9:51-54 S '63.

Hormone therapy in complex treatment of pneumonia in young children. N.A. Lazareva. Pediatriia 42 no.9: 86-87 S '63.

Kinetics of acid hemolysis of erythrocytes in microfocal pneumonia in children. L.P. Shul'ga. Pediatriia 42 no.9:19-23 S '63.

Medullary hematopoiesis in children with rickets and pneumonia. F.A. Kurginskaia. Zdrav.Kazakh. 23 no.4:58-61 '63.

Morphological changes in the brain in whooping cough complicated by pneumonia [with summary in English]. N.M. Rovenskaia. Pediatriia 42 no.9:34-38 S '63.

Pathogenesis of pneumonia in burn disease; anatomicobacterial parallels. B.L. Gel'man, R.I. Kaem, I.A. Grishina. Eksper.khir.i anest. 8 no.4:12-13 Jl-Ag '63.

PNEUMONIA—MICROBIOLOGY

Prevention and treatment of pneumonia in young children. A.I. Titova. Pediatriia 42 no.9:7-14 S '63.

PNEUMOTHORAX

Characteristics of the clinical picture and treatment of stab and incision wounds of the chest. R.P. Askerkhanov, M.-R.I. Shakhshaev. Khirurgiia no.1:47-55 '63.

Management of penetrating injuries of the chest in peacetime. V.P. Radushkevich, V.I. Kiselev. Khirurgiia no.1:56-58 '63.

Time period for preliminary antibacterial therapy in artificial pneumothorax. I.P. Zinov'ev. Zdrav.Kazakh. 23 no.4:37-39 '63.

PODKAMENNAYA TUNGUSKA VALLEY—FOREST FIRES

Radial burns on trees in the explosion region of the Tunguska meteorite. G.M. Zenkin, A.G. Il'in. Meteoritika no.24:129-140 '64.

PODKAMENNAYA TUNGUSKA VALLEY—FORESTS AND FORESTRY

Studying forest growth in connection with the problem of the Tunguska meteorite. V.I. Nekrasov, IU.M. Emel'ianov. Meteoritika no.24:152-161 '64.

Studying irregular forest growth in the fall region of the Tunguska meteorite. V.G. Berezhnoi, G.I. Drapkina. Meteoritika no.24:162-169 '64

PODKAMENNAYA TUNGUSKA VALLEY—MAGNETISM, TERRESTRIAL

Geomagnetic effect of the Tunguska fall. K.G.Ivanov. Meteoritika no.24:141-151 '64.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Anomalous light phenomena connected with the fall of the Tunguska meteorite. V.G.Fesenkov. Meteoritika no.24:177-179 '64.

Geomagnetic effect of the Tunguska fall. K.G.Ivanov. Meteoritika no.24:141-151 '64.

Radial burns on trees in the explosion region of the Tunguska meteorite. G.M.Zenkin, A.G.Il'in. Meteoritika no.24:129-140 '64.

Size distribution of pellets of cosmic origin in the region of the fall of the Tungus meteor. N.I.Zaslavskaia, I.T.Zotkin, O.A.Kirova. Dokl.AN SSSR 156 no.1:47-49 My '64.

Some results of the work of a joint self-acting expedition for studying the problem of the Tunguska meteorite. G.F.Plekhanov. Meteoritika no.24:170-176 '64.

Studying forest growth in connection with the problem of the Tunguska meteorite. V.I.Nekrasov, IU.M.Emel'ianov. Meteoritika no.24:152-161 '64.

Studying irregular forest growth in the fall region of the Tunguska meteorite. V.G.Berezhnoi, G.I.Drapkina. Meteoritika no.24:162-169 '64.

Studying the shock wave of the Tunguska meteorite according to the forest damage caused by it. A.P. Boiarkina and others. Meteoritika no.24:112-128 '64.

PODKAMENNAYA TUNGUSKA VALLEY—SHOCK WAVES

Studying the shock wave of the Tunguska meteorite according to the forest damage caused by it. A.P. Boiarkina and others. Meteoritika no.24:112-128 '64.

PODZOL

(see also subdivision under Moscow Province; Russia, Northwestern)

Conditions of the potassium nutrition of plants (barley, potatoes) in light turf-Podzolic soils. I.S.Lupinovich, A.N.Haurylava. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:11-21 '64.

Density of turf-Podzolic soils as related to the tillage problems. I.B.Revut, I.I.Kochurova. Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz. no.5:137-156 '63.

Tillage of Podzolic soils for spring grain crops before sowing. N.E.Poliakova. Nauch.trudy Sev.-Zap. nauch.-issl.inst.sel'khoz. no.5:234-256 '63.

Use of fertilizers for growing woody plants on turf-Podzolic soils. P.B.Martem'ianov. Biul.Glav.bot. sada no.48:86-90 '63.

POGODIN, NIKOLAI FEDOROVICH, 1900-1962

Anastas'ev, A.N. [Pogodin's trilogy on Lenin on the stage] Trilogiia Pogodina o Lenine na stsene. Moskva, Izd-vo "Nauka," 1964. 71 p.

POGOSIAN, KHOREN PETROVICH, 1904-

Khoren Petrovich Pogosian; on his 60th birthday. Meteor. i gidrol. no.4:61-62 Ap '64.

POKHYTONOV, IVAN PAVLOVYCH, 1850-1923

Ivan Pokhytonov. L.Chlenova. Mystetstvo 10 no.5:25 S-O '63.

POKROVSKII, MIKHAIL NIKOLAEVICH, 1868-1932

Revolutionist, scientist and statesman. O.D.Sokolov. Vop.ist.KPSS 8 no.5:81-85 My '64.

POLAND—COMMERCE

Development of domestic trade in the Polish People's Republic. M.Liesh. Ekon.Rad.Ukr. no.2:102-108 Mr-Ap '64.

POLAND—ELECTRIC LIGHT FIXTURES

Street lighting fixtures produced by the Polish industry. K.B.Radzikhovskii. Svetotekhnika 10 no.1:29-30 Ja '64.

POLAND—GYPSUM

Use of gypsum in present-day construction in Poland. M.G.Rublevskaia. Stroi.mat. 10 no.4:39-40 Ap '64.

POLAND—HISTORY

Ninth Conference of Polish Historians. I.S.Miller. Vest. AN SSSR 34 no.1:94-95 Ja '64.

POLAND—MOTION-PICTURE PLAYS

"Female passenger." N.Zorkaia. Isk.kino 34 no.2:141-143 '64.

"Gangsters and philanthropists." Miron Chernenko. Isk.kino 34 no.2:139-140 '64.

POLAND—NUCLEAR PHYSICS

Polish exhibition of nuclear physical apparatus. Atom. energ. 16 no.4:390-392 Ap '64.

POLAND—PHYSICAL THERAPY

Work and achievements of a balneoclimatic institute in Poland. IU.IAnkoviak. Vop.kur.,fizioter.i lech.fiz. kul't. 28 no.3:267-269 My-Je '63.

POLAND—PLANTS, PROTECTION OF

Plant protection in Poland. IU.S.Novinskii. Zashch. rast.ot vred.i bol. 9 no.4:51-52 '64.

POLAND—RELATIONS (GENERAL) WITH WHITE RUSSIA

Postwar cultural contacts between the White Russian S.S.R. and the Polish People's Republic. V.S.Tolstoi. Vesti AN BSSR.Ser.hram.nav. no.1:73-81 '64.

POLAND—SOCIOLOGY

Polish sociological studies. Dyzma Galaj. Nov.vrem. 21 no.21:18-19 My '64.

POLAND—SUGAR INDUSTRY

"Sugar industry as seen in the light of figures" by J.Janotta, E.Lachowicz, B.Tomczinski. Reviewed by G.S.Benin. Sakh.prom. 37 no.12:63-65 D '63.

POLAND—SUGAR MACHINERY

A construction project of friendship. N.Podzorova. Vnesh.torg. 44 no.4:59 '64.

POLAND—TELEVISION IN EDUCATION

Television in Polish schools. A.Savina. Nar.obr. no.4:101-102 Ap '64.

POLAND—THEATER

Zelwerowicz, Aleksander. [Story of an old actor. Translated from the Polish] Rasskaz starogo komedianta. Leningrad, Iskusstvo, 1964. 222 p. (Teatral'nye memuary)

POLAND—VETERINARY MATERIA MEDICA AND PHARMACY

In the people's democracies. Vaclav Kouba, N.V. Solov'ev. Veterinariia 40 no.10:73-76 O '63.

POLAND—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[People, facts and thoughts; talks conducted and written down by V.Nametkevich and B.Rostropovich. Translated from the Polish] Liudi, fakty, razmyshleniia; besedy veli i zapisali V.Nametkevich i B.Rostropovich. Moskva, Voenizdat, 1963. 210 p.
(CSt-H)

POLARISCOPE

Neutron polarimeter. N.P.Babenko, I.O.Konstantinov. Prib.i tekh.eksp. 9 no.2:29-35 Mr-Ap '64.

POLARIZATION (ELECTRICITY)

Cathodic polarization in the electrodeposition of silver from ferrocyanide electrolytes. R.IU.Bek, N.T. Kudriavtsev, E.A.Nechaev. Zhur.fiz.khim. 36 no.11:2506-2508 N '62.

Mechanism of the formation of dispersed cobalt deposits on a mercury cathode with alkaline earth chlorides as the support. G.N.Babkin, Sh.S.Sambetov. Izv.vys. ucheb.zav.; khim.i khim.tekh. 7 no.1:95-100 '64.

Stabilization of spontaneous polarization and the pyro-effect in γ-irradiated triglycine sulphate crystals. V.A.IUrin, I.S.Zheludev. Izv.AN SSSR.Ser.fiz. 28 no.4:726-730 Ap '64.

POLARIZATION (LIGHT)

Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer [with summary in English]. V.N.TSvetkov and others. Vysokom. soed. 6 no.1:69-75 Ja '64.

POLARIZATION (NUCLEAR PHYSICS)

Errors incurred in Schimm's method for measuring the degree of polarization of a beam of slow neutrons. B.G.Erozolimskii, IU.A.Mostovoi, B.A.Obiniakov. Prib.i tekh.eksp. 9 no.2:39-42 Mr-Ap '64.

Polarization of helium atoms by optical pumping and its determination from the varying intensity of light transmission. V.TS.Gurovich, Zh.Zheenbaev, O.P.Zhidkov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:129-134 '63.

Polarized fluxes and polarized targets. L.B.Parfenov. Atom.energ. 16 no.5:462-463 My '64.

Usability of the dynamic polarization of protons in nuclear-precession magnetometers. V.M.Ryzhkov, A.P. Stepanov. Geofiz.prib. no.12:35-51 '62.

POLAROGRAPHY

Anomalous curves of cobalt polarograms with thiocyanides as the support. G.N.Babkin. Izv.vys.ucheb. zav.; khim.i khim.tekh. 7 no.1:90-94 '64

Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene [with summary in English]. V.D.Bezuglyi and others Vysokom.soed. 6 no.1:125-130 Ja '64.

Certain features of the polarography of alkali metal ions in aqueous and aqueous-ethyl alcohol media [with summary in English]. G.S.Supin. Zhur.anal.khim. 18 no.3:318-322 Mr '63.

Contribution to the theory of electrodissolution of films from the surface of an indifferent electrode. Kh.Z. Brainina. Dokl.AN SSSR 154 no.3:665-668 Ja '64.

Determination of copper, lead, cadmium, and zinc impurities in extremely pure indium and its salts by the method of amalgam polarography with a stationary electrode [with summary in English]. S.I.Siniakova and others. Zhur.anal.khim. 18 no.3:377-384 Mr '63.

Effect of convection on the transition time in chronopotentiometry. IU.M.Riabukhin. Zhur.fiz.khim. 37 no.3:694-695 Mr '63.

Effect of the volume of a solution on the depth of anode dent in amalgam polarography. A.G.Stromberg, A.A. Kaplin. Zav.lab. 30 no.5:525-527 '64.

Irreversible processes in electrochemistry. Part 2 [with summary in English]. A.V.Pamfilov, A.I.Lopushanskaia, A.M.Balter. Zhur.fiz.khim. 37 no.3:615-621 Mr '63.

Irreversible processes in polarography. Chromium nitrate. A.V.Pamfilov, A.I.Lopushanskaia, A.M. Balter. Zhur.fiz.khim. 36 no.11:2481-2486 N '62.

Oscillographic determination of acetaldehydes and crotonaldehydes present together [with summary in English]. G.V.Taneeva, V.P.Gladyshev. Zhur.anal. khim. 19 no.1:138-139 '64.

Polarographic activity of serum proteins in acute radiation sickness and the preventive administration of propyl gallate [with summary in English]. V.A. Baraboi, S.A.Bershtein. Ukr.biokhim.zhur. 34 no.1:32-39 '62.

Polarographic and spectrophotometric determination of α,β - unsaturated ketones in cyclohexanone. V.I.Gandza and others. Zav.lab. 30 no.5:541-542 '64.

Polarographic control of some intermediate stages in the synthesis of monomers [with summary in English]. V.D. Bezuglyi and others. Zhur.anal.khim. 18 no.3:385-395 Mr '63.

Polarographic detection in gas-liquid chromatography. Part I [with summary in English]. V.G.Mairanovskii, M.TS.IAnotovskii. Zhur.fiz.khim. 37 no.3:705-707 Mr '63.

Polarographic determination of copper and bismuth when both are present. P.P.Turov. Trudy KTIPP no.27:96-101 '63.

Polarographic determination of peroxides. V.N.Pavlov, N.A.Kurochkina, Z.S.Frolova. Zav.lab. 30 no.5:535-540 '64.

Polarographic determination of sulfate ions in the water extract of soil. E.M.Skobets, G.V.Ruchko. Nauch. dokl.vys.shkoly; biol.nauki no.2:199-200 '64.

Polarographic method of determining ajmaline. Report No.1. N.IA.TSarenko, IU.E.Orlov, M.S.Shraiber. Med.prom. 17 no.9:38-40 S '63.

Polarographic method of determining calcium in solutions and plant tissues. [with summary in English]. A.E.Petrov-Spiridonov. Izv.TSKHA no.1:236-238 '60.

Polarographic study of some derivatives of anabasine. K.S.Martynova, E.Kh.Timbekov, A.S.Sadykov. Zhur. prikl.khim. 37 no.4:926-928 Ap '64.

Quasidiffusion surface waves in polarography. S.G. Mairanovskii. Dokl.AN SSSR 154 no.3:683-686 Ja '64.

Shape of i-t curves in the region of polarographic maxima. A.B.Ershler, D.I.Dzhaparidze, G.A.Tedoradze. Zhur. fiz.khim. 37 no.3:666-668 Mr '63.

Shevchenko, I.T., and V.I.Gorodyskii. [Polarography in medicine and biology] Poliarografiia v meditsine i biologii. Kiev, Gosmedizdat USSR, 1964. 133 p.
(DNLM)

Use of the polarographic method for determining the oxygen tension in brain tissues under the effect of high altitude flight. E.A.Kovalenko, V.L.Popkov, I.N. Cherniakov. Izv.AN SSSR.Ser.biol. no.3:376-387 My-Je '64.

POLESYE—FARM BUILDINGS

Peasant farm houses in the Ukrainian Polesye; from the second half of the 19th century to the first half of the 20th century. M.Z.Kozakevych. Mat.z etn.ta mystetstvoznav. no.5:9-25 '59.

POLESYE—FOREST ECOLOGY

Pine-shrub-sphagnum formation in Polesye. P.M. San'ko. Bot.; issl.Bel.otd.VBO no.5:113-120 '63.

POLESYE—SAND

Form of sand particles of various genesis in Polesye. V.K.Lukashev. Dokl.AN BSSR 8 no.3:175-178 Mr '64.

POLEVITSKII, KONSTANTIN ALEKSANDROVICH, 1886?-1963

Konstantin Aleksandrovich Polevitskii; an obituary. Mekh.i elek.sots.sel'khoz. 22 no.1:61 '64.

POLEVOI, BORIS NIKOLAEVICH, 1908-

Man and his affairs. F.Svetov. Nov.mir. 40 no.3:226-235 Mr '64.

POLIAKOV, G.I., 1903-

G.I.Poliakov; on the 60th anniversary of his birth and the 35th anniversary of his medical and scientific and pedagogic activity. Zhur.nevr.i psikh. 64 no.2:314 '64.

POLICE

[Men of duty and courage; sketches on militia workers] Liudi dolga i otvagi; ocherki o rabotnikakh militsii. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 94 p.

Problems of administrative procedure in the work of the police. A.P.Korenev. Sov.gos.i pravo no.12:128-131 D '63.

POLIOMYELITIS see subdivision under Archangel Province

POLIOMYELITIS—COMPLICATIONS AND SEQUELAE

Compound health resort treatment in the restorative and residual periods of poliomyelitis in children. E.S. Dotsenko. Ortop., travm. i protez. 24 no.10:30-35 O '63.

Indications for arthrodesis of the hip joint in patients with sequelae of poliomyelitis. O.V.Nedrigailova, B.A.Pogrebniak. Ortop., travm. i protez. 24 no.10: 3-11 O '63.

Late results of myoplasty in paralysis of the musculus quadriceps femoris in patients with sequelae of poliomyelitis. K.M.TSkhakaia. Ortop., travm. i protez. 24 no.10:28-30 O '63.

Late results of the compound treatment of the sequelae of poliomyelitis. V.D.Anchelevich. Ortop., travm. i protez. 24 no.10:24-27 O '63.

Some characteristics of Trendelenburg's symptom in patients with sequelae of poliomyelitis. I.A.Dudnik. Ortop., travm. i protez. 24 no.10:11-17 O '63.

Some problems in restoration of the weight-bearing capacity of a paralyzed extremity. I.P.Shuliak. Ortop., travm. i protez. 24 no.10:17-23 O '63.

Surgical treatment of children with severe forms of recurvation and loosening of the knee joint following poliomyelitis. Z.A.Liandres. Ortop., travm. i protez. 24 no.10:65-66 O '63.

POLIOMYELITIS VIRUSES

Correlation between chromatographic behavior and some other properties of poliomyelitis virus variants [with summary in English]. V.I.Agol, S.V.Maslova, M.IA. Chumakova. Biokhimiia 27 no.6:1071-1078 N-D '62.

Differential diagnosis of adenoviruses, and the viruses of herpes, influenza and poliomyelitis. R.S.Dreizin and others. Vop.med.virus. no.5 pt.2:178-183 '58.

POLITICAL BALLADS AND SONGS

They believed in the future. O.Leont'eva. Sov.muz. 27 no.11:112-119 N '63.

POLITICAL BALLADS AND SONGS, MEXICAN

Songs of the Mexican revolution. P.Pichugin. Sov. muz. 27 no.11:131-137 N '63.

POLITICAL SCIENCE

Aleksandrov, N.G., and others. [Theory of state and law; a textbook for secondary law schools] Teoriia gosudarstva i prava; uchebnik prednaznachen dlia srednikh iuridicheskikh shkol. Otv. red. N.G.Aleksandrov. Moskva, Gos. izd-vo iurid. lit-ry, 1958. 306 p. (MH-L)

Round Table Conference of the International Association of Political Sciences. B.S.Krylov, V.A.Tumanov. Vest.AN SSSR 34 no.1:96-98 Ja '64.

POLITICAL SCIENCE—AUDIO-VISUAL AIDS

Zinov'ev, M.N. [Visual aids in teaching the history of the CPSU] Nagliadnost' v prepodavanii istorii KPSS. Moskva, Izd-vo "Vysshaia shkola," 1964. 53 p.

POLITICAL SCIENCE—RESEARCH

The complex problem "Laws of socialist development and transition to communism" in the Scientific Council. Vop.filos. 18 no.4:157-160 '64.

POLITICS AND WAR

Nikol'skii, N.M. [The basic question of the present times; the problem of the elimination of wars] Osnovnoi vopros sovremennosti; problema unichtozheniia voin. Pod red. N.N.IAkovleva. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 428 p.

POLIUSHENKO, ANDREI PETROVICH

Landscapes by Andrei Poliushenko. M.Sokol'nikov. Iskusstvo 26 no.12:33-36 '63.

POLLEN

Anaphylactogenic properties of cotton pollen. M.M. Khakberdyev. Nauch.trudy SamMI 21:131-136 '62.

Cytoplasmic male sterility of the common onion [with summary in English]. A.A.Makarov. Izv.TSKHA no.1:209-216 '60.

Methods used in the germination of cotton pollen in artificial media. IU.V.Kliukvina. Agrobiologiia no.5: 782 S-O '63.

POLOTSK—MOSAICS

Study of mosaic glasses of the 12th century from Polotsk. M.A.Bezborodov. Dokl.AN BSSR 8 no.3:169-171 Mr '64.

POLTAVA PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Poltava's contrasts. I.Kobets. Mekh.sil'.hosp. 15 no.2:20-21 F '64.

POLTAVA PROVINCE—SWINE

Ways to reduce the cost of swine. O.Zakharin. Ekon. Rad.Ukr. no.2:62-65 Mr-Ap '64.

POLTAVA PROVINCE—TRACTORS

To make tractors perform more efficiently. M.S. Barabash. Mekh.sil'.hosp. 15 no.2:26-27 F '64.

POLTEVO REGION (VITEBSK PROVINCE)—CHEVIL

Anatomical changes in the stalk of chevil. A.D.Zinov'eva. Bot.; issl.Bel.otd.VBO no.5:179-181 '63.

POLYAMIDES

Properties of aromatic and aryl aliphatic polyamides prepared by interfacial polycondensation. Part 9 [with summary in English]. O.IA.Fedotova, M.L.Kerber, I.P.Losev. Vysokom.soed. 6 no.3:452-458 Mr '64.

POLYAMIDES—OPTICAL PROPERTIES

Synthesis of optically active polymers based on propylenediamine and cyclopropanedicarboxylic acid [with summary in English]. I.N.Topchieva and others. Vysokom.soed. 6 no.3:512-515 Mr '64.

POLYAMIDES, EFFECT OF RADIATION ON

Radiolysis of polyamides. V.A.Sharpatyi and others. Dokl.AN SSSR 156 no.3:626-629 '64.

POLYETHYLENE

Closure of defects of the stomach wall with polyethylene and nonisolated omentum. R.A.Chaidze. Eksper.khir. i anest. 8 no.4:20-21 Jl-Ag '63.

Effect of petroleum products and water on the physicomechanical properties of polyethylenes. M.V.Lykov, IU.M.Mikheev. Transp.i khran.nefti i nefteprod. no.2:19-24 '64.

Kagan, D.F. [Properties and calculation of polyethylene pipes used in water supply] Issledovanie svoistv i raschet polietilenovykh trub, primeniaemykh v vodosnabzhenii. Moskva, Stroiizdat, 1964. 222 p.

Self-adhesion of polyethylene under high pressure. R.A. Baltenas, L.A.Igonin. Dokl.AN SSSR no.3:634-636 '64.

POLYETHYLENE—MOLECULAR ROTATION

Calculation of the internal rotation energy of polyethylene [with summary in English]. N.P.Borisova. Vysokom. soed. 6 no.1:135-136 Ja '64.

POLYETHYLENE—TESTING

Effect of temperature on the long-time adhesion strength of polyethylene. M.S.Dyl'kov, A.T.Sanzharovskii, P.I.Zubov. Dokl.AN SSSR 155 no.2:389-391 Mr '64.

POLYETHYLENE, EFFECT OF RADIATION ON

Study of structural changes of polyethylene subjected to radiation and heat treatment [with summary in English]. Z.A.Markova, B.G.Ershov, N.A.Bakh. Vysokom.soed. 6 no.1:131-134 Ja '64.

POLYGONS

New method of studying the 3nj-coefficients. A.Bandzaitis, A.Savukynas. Trudy AN Lit.SSR.Ser.B no.1:3-11 '63.

POLYMERIZATION

Activity of chromium strontium silicate catalysts in the reaction of copolymerization of ethylene with α-olefins. Z.G.Zul'fugarov and others. Azerb.khim.zhur. no.1: 117-123 '64.

Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene [with summary in English]. V.D.Bezuglyi and others. Vysokom.soed. 6 no.1:125-130 Ja '64.

Block copolymerization of N-vinylphthalimide and styrene [with summary in English]. A.F.Nikolaev, M.N. Tereshchenko. Vysokom.soed. 6 no.3:379-383 Mr '64.

Conformation of molecules of polymethacrylic acid in dilute aqueous solutions. IU.S.Lipatov. Dokl.AN BSSR 8 no.1:41-43 Ja '64.

Copolymerization of monomers with two and more carbon-carbon double bonds [with summary in English]. G.S. Kolesnikov. Vysokom.soed. 6 no.3:559-560 Mr '64.

Cyclic polymerization and copolymerization. Part 17: Radical polymerization of substituted divinyl ketones. [with summary in English]. M.G.Avetian and others. Vysokom.soed. 6 no.1:3-9 Ja '64.

Effect of electron-donating additions on the chain microstructure in the stereospecific polymerization of butadiene in the presence of "cobalt" catalytic systems. B.S.Turov and others. Dokl.AN SSSR 155 no.4:874-875 Ap '64.

Effect of emulsifiers on the course of the interphase polycondensation in the production of polycarbonates based on dichlorodiphenylol propane. O.V.Smirnova and others. Plast.massy no.5:13-15 '64.

Effect of the chemical structure of unsaturated esters on their ability to polymerize. Part 2: Substituted acrylates and methacrylates [with summary in English]. A.I. Volkova, M.M.Koton. Vysokom.soed. 6 no.3:480-483 Mr '64.

Effect of the porous structure of the aluminosilicate carrier on the polymerizing activity of the chromium oxide catalyst. K.V.Topchieva and others. Plast. massy no.5:11-13 '64.

Formation and telomerization of germanium carbenoids. O.M.Nefedov, S.P.Kolesnikov. Izv.AN SSSR.Ser. khim. no.4:773-774 Ap '64.

Initiation of methyl methacrylate polymerization by reduced forms of chlorophyll and hematoporphyrin. A.V. Umrikhina, A.A.Krasnovskii. Dokl.AN SSSR 155 no.4:904-907 Ap '64.

Kinetics of acetylenic hydrocarbon polymerization initiated by azoisobutyric acid dinitrile. I.M.Barkalov, V.I.Gol'danskii, Go Min'-gao [Kuo Min-kao]. Dokl. AN SSSR 155 no.4:883-885 Ap '64.

Mechanism of the cyclic trimerization of acetylenes on complex organometallic catalysts. V.O.Reikhsfel'd, K.L.Makovetskii. Dokl.AN SSSR 155 no.2:414-417 Mr '64.

Mechanism underlying the polymerization of isoprene with styrene catalyzed by α-$TiCl_3$ - $Al(C_2H_5)_3$ [with summary in English]. E.V.Zabolotskaia and others. Vysokom.soed. 6 no.1:81-85 Ja '64.

Nature of the initiator and the phase state of acetaldehyde as influencing the chemical structure of macromolecules formed during acetaldehyde polymerization. I.M. Papisov and others. Dokl.AN SSSR 156 no.3:669-672 '64.

New polymers of vinyl ethers. Report No.4: Stereospecific copolymerization of vinyl ethers with methyl acrylate and methyl methacrylate at room temperature. S.Shamakhmudova, A.V.Bogdanova, M.F.Shostakovskii. Izv.AN SSSR.Ser.khim. no.4:709-715 Ap '64.

Oxidizing polyhydrocondensation of dipropargyl esters containing silicon, phosphorus, and fluorine. A.G. Makhsumov, A.M.Sladkov, V.V.Korshak. Izv.AN SSSR.Ser.khim. no.4:733-736 Ap '64.

Peroxy derivatives of organoaluminum compounds as initiators of radical polymerization. Report No.1: System organoaluminum compound - oxygen or isopropylbenzene hydroperoxide. E.B.Milovskaia, T.G. Zhuravleva, P.I.Dolgopol'skaia. Izv.AN SSSR.Ser. khim. no.4:720-726 Ap '64.

Photochemical graft copolymerization of acrylonitrile to capron fiber [with summary in English]. K.A. Korniev and others. Dop.AN URSR no.2:224-226 '64.

Polydispersity of polymers of 1,1,2-trichloro-1,3-butadiene. [with summary in English]. T.A.Soboleva, A.P.Suprun, S.A.Pavlova. Vysokom.soed. 6 no.1: 89-91 Ja '64.

Polymerization of cis- and trans-piperylene under the effect of catalytic coordination systems. L.S.Bresler, B.A.Dolgoplosk, E.N.Kropacheva. Dokl.AN SSSR 155 no.5:1101-1103 Ap '64.

Polymerization of dibenzalacetone [with summary in English]. I.A.Arbuzova, I.K.Mosevich. Vysokom. soed. 6 no.1:13-15 Ja '64.

Polymerization of ethylene in electric discharge. V.N. Zaichenko, L.F.Mel'nikov, G.V.Emel'ianova. Trudy KF VNII no.9:102-109 '62.

Polymerization of ethylene on a chromium oxide catalyst. V.R.Gurevich, M.A.Dalin, K.M.Arutiunova. Azerb. khim.zhur. no.1:69-75 '64.

Polymerization of ethylene on the catalytic system titanium tetrachloride - organoaluminum etherates [with summary in English]. V.P.Mardykin, V.K. Badaev. Vysokom.soed. 6 no.3:444-447 Mr '64.

Polymerization of ethylene on the three-component catalytic system titanium tetrachloride - butyllithium - phenetole [with summary in English]. V.P.Mardykin, A.M.Konovalova. Vysokom.soed. 6 no.3:448-451 Mr '64.

Polymerization of ethylene oxide on strontium carbonate and the effect of water adsorption on catalytic activity. K.S.Kazanskii and others. Izv.AN SSSR.Ser.khim. no.4:759-761 Ap '64.

Polymerization of 4,4'-diisopropenyldiphenylethane [with summary in English]. IU.V.Mitin. Vysokom.soed. 6 no.3:484-487 Mr '64.

Polymerization of meta-acrolein with anion catalysts. M.M.Koton, I.V.Andreeva, IU.P.Getmanchuk. Dokl. AN SSSR 155 no.4:836-838 Ap '64.

Polymerization of propylene in the presence of a $TiCl_3$ - $Al(C_2H_5)_3$ - $Zn(C_2H_5)_2$ [with summary in English]. A.P.Firsov, A.D.Ter-Gazarian, N.M.Chirkov. Vysokom.soed. 6 no.3:417-420 Mr '64

Polymerization of substituted N-phenylacrylamides. Part 6 [with summary in English. Kun De-chzhen [K'ung Tieh-chang] and others. Vysokom.soed. 6 no.1:149-152 Ja '64.

Properties of aromatic and aryl aliphatic polyamides prepared by interfacial polycondensation. Part 9 [with summary in English]. O.IA.Fedotova, M.L.Kerber, I.P.Losev. Vysokom.soed. 6 no.3:452-458 Mr '64.

Radiation-induced polymerization in the solid phase. Part 1: Polymerization of acrylonitrile [with summary in English]. I.M.Barkalov and others. Vysokom.soed. 6 no.1:92-97 Ja '64.

Radiation-induced polymerization in the solid phase. Part 2: Polymerization of vinyl acetate. Variations of the temperature dependence of the polymerization rate. [with summary in English]. I.M.Barkalov and others. Vysokom.soed. 6 no.1:98-102 Ja '64.

POLYMERIZATION (Continued)

Radical polymerization of polar monomers induced by the system AlH$_3$ + benzoyl peroxide [with summary in English]. E.B.Milovskaia and others. Vysokom.soed. 6 no.3:412-416 Mr '64.

Reactivity of hydrocarbons and their derivatives in the polyrecombination reaction. S.L.Sosin, V.V.Korshak, D.G.Val'kovskii. Dokl.AN SSSR 155 no.2:376-378 Mr '64.

Separate polymerization and copolymerization of isoprene in the presence of α-TiCl$_3$-Al(C$_2$H$_5$)$_3$ [with summary in English]. E.V.Zabolotskaia and others. Vysokom.soed. 6 no.1:76-80 Ja '64.

Special features of butadiene polymerization in the presence of complex cobalt catalysts. I.Diakonesku, S.S.Medvedev. Dokl.AN SSSR 155 no.4:880-892 Ap '64.

Study of the polymerization kinetics of polyacrylates by the methods of electric conductivity, infrared spectroscopy, and viscosimetry [with summary in English]. V.I.Bukhgalter and others. Vysokom.soed. 6 no.1:118-121 Ja '64.

Studying the conditions governing the regeneration of silicotungstic catalyst for the polymerization of propylene and the economics of the process. E.G.Vol'pova, L.I.Ogloblina. Trudy GrozNII no.15:265-270 '63.

Synthesis and study of polycarbonates by the interfacial polycondensation method. Part 4: Effect of the excess of one of the components on the course of the interfacial polycondensation of 2,2'-bis-(4-hydroxyphenyl) propane and phosgene [with summary in English]. O.V.Smirnova and others. Vysokom.soed. 6 no.3:459-462 Mr '64.

Synthesis of polyesters and polyamides based on nitrophthalic acids by interfacial polycondensation [with summary in English]. E.V.Kuznetsov and others. Vysokom.soed. 6 no.1:31-33 Ja '64.

Telomerization of vinyl acetate by chlorocyanogen. E.I.Vasil'eva, B.I.Keda, R.Kh.Freidlina. Dokl.AN SSSR 156 no.3:601-603 '64.

POLYMERS

Adhesive properties of water-soluble synthetic polymers. N.K.Baramboim, M.A.Nuriev. Nauch.trudy MTILP no.26:77-80 '62.

Anisotropy of the mechanical properties of uniaxially oriented polymer films [with summary in English]. G.L.Slonimskii, T.A.Dikareva. Vysokom.soed. 6 no.1:153-157 Ja '64.

Builders speak of polymer materials. A.M.Kosogov, M.A.Dribinskii, I.S.Rebortovich. Stroi.mat. 10 no.4:5-7 Ap '64.

[The chemistry and technology of polymers; translations and surveys from foreign periodical literature] Khim. i tekh.polim.; sbor.perev.i obz.iz inostr.period lit. 8 nos.5-6 '64.

Degradation of polymer molecules in a solution (polyisobutylene, polymethyl methacrylate) when passing the prestationary stage of deformation. A.A.Trapeznikov. Dokl.AN SSSR 155 no.2:430-433 Mr '64.

Effect of the scale factor on the strength of polymer coatings. M.S.Dyl'kov, P.I.Zubov, A.T.Sanzharovskii. Lakokras.mat.i ikh prim. no.1:35-39 '64.

Electron microscopy of cotton cellulose and its copolymers. Part 1: Particular features of cotton cellulose microstructure and of its radiation-induced graft copolymer with methacrylic acid. K.Kh.Razikov, U.Aziziv, Kh.U.Usmanov. Uzb.khim.zhur. 8 no.2:66-72 '64.

Induced reactivity of certain compounds having a conjugate system when interacting with 1,1-diphenyl-2-picrylhydrazyl. A.A.Berlin, V.A.Vonsiatskii. Dokl. AN SSSR 154 no.3:627-630 Ja '64.

Mechanical models of polymers containing breakdown elements [with summary in English]. V.R.Regel'. Vysokom.soed. 6 no.3:395-399 Mr '64.

New method of synthesizing multilayer graft copolymers (pemosors) [with summary in English]. V.V.Korshak, K.K.Mozgova, IU.V.Egorova. Vysokom.soed. 6 no.3:571 Mr '64.

Obtaining a high-molecular weight polymer by the reaction of p-diisopropylbenzene with tert-butyl peroxide [with summary in English]. V.V.Korshak, S.L.Zosin. Vysokom.soed. 6 no.1:180-181 Ja '64.

Osmometer with a porous glass membrane [with summary in English]. S.E.Bresler, D.P.Dobychin, A.G.Popov. Vysokom.soed. 6 no.1:22-27 Ja '64.

Polymer wrapping materials. P.Montitskii Sov.torg. 37 no.3:13-16 Mr '64.

Polymeric materials should be used on a wider and more effective scale. Elek.i tepl.tiaga 8 no.1:1-4 Ja '64.

Polymers and light industry. S.Pavlov, A.Kas'ianova. Sov.torg. 37 no.4:17-19 Ap '64.

Polymers and their prospective use in thermal power engineering. P.A.Akol'zin, F.G.Prokhorov. Teploenergetika 11 no.5:31-35 My '64.

Polymers with a conjugation system. Part 37: Synthesis of polymers with charged heteroatoms in the macromolecular chain (onium polymerization) [with summary in English]. A.A.Berlin, L.V.Zherebtsova, E.F.Razvodovskii. Vysokom.soed. 6 no.1:58-63 Ja '64.

Polymers with a conjugation system. Report No.56: Synthesis and study of the properties of a polymer based on bisnitrosoacetylbenzidine. A.A.Berlin, B.I.Liogon'kii, V.P.Parini. Izv.AN SSSR.Ser.khim. no.4: 705-709 Ap '64.

Process of formation of polymers based on polyene furan aldehydes and some of their analogs. Report No.2: Formation of polymers based on furfurole with butyraldehyde. M.Tadzhieva, Z.U.Usmanov, I.V.Kamenskii. Uzb.khim.zhur. 8 no.2:58-61 '64.

Rheology of polymers. Theory of thixotropy. A.I.Leonov, G.V.Vinogradov. Dokl.AN SSSR 155 no.2: 406-409 Mr '64.

Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer [with summary in English]. V.N.TSvetkov and others. Vysokom.soed. 6 no.1:69-75 Ja '64.

Selective interaction in polymer chains. Part 3: Fluctuational amorphoric networks in solutions of polymers capable of interchain hydrogen bonding. [with summary in English]. IU.N.Panov, K.E.Nordbek, S.IA.Frenkel'. Vysokom.soed. 6 no.1:47-51 Ja '64.

Some problems of the theory of the adhesion of high polymers. R.M.Vasenin. Nauch.trudy MTILP no.26: 46-68 '62.

Symposium on the Physics and Chemistry of Biopolymers held in the German Democratic Republic. IA.M.Varshavskii. Vest.AN SSSR 34 no.1:66-69 Ja '64.

Synthesis and analysis of copolymers with a macroporous structure. E.I.Liustgarten and others. Plast.massy no.5:7-10 '64.

Synthesis and investigation of hydrophilic copolymers of maleic anhydride. N.K.Baramboim, V.A.Goncharova. Nauch.trudy MTILP no.26:39-45 '62.

Synthesis and study of graft copolymers of gelatin [with summary in English]. L.A.Khismatullina, S.M.Levi, V.A.Kukhtin. Vysokom.soed. 6 no.3:473-479 Mr '64.

Use of boric acid esters as antioxidants for polymeric materials. E.I.Rozantsev, L.A.Krinitskaia, L.S.Troitskaia. Khim.prom. no.3:180-183 Mr '64.

Use of powdered specimens in recording the thermomechanical curves of polymers [with summary in English]. L.N.Fomenko, G.A.Kuznetsov, V.D.Gerasimov. Vysokom.soed. 6 no.3:421-426 Mr '64.

Use of the capillary viscosimeter of permanent pressures in the study of polymer melts. G.V.Vinogradov, N.V.Prozorovskaia. Plast.massy no.5:50-57 '64.

Using the thermal analysis method for studying the processes taking place in the heating of polymers; phenol-aldehyde resins. V.A.Popov, I.S.Drutan, B.G.Varshal. Plast.massy no.5:15-19 '64.

POLYMERS—ELECTRIC PROPERTIES

Electric conductivity of polymers. Part 8: Effect of crystallization. [with summary in English]. B.I.Sazhin, N.G.Podosenova. Vysokom.soed. 6 no.1:137-143 Ja '64.

New iron-containing polymers on the basis of ferrocene and their electrophysical properties [with summary in English]. IA.M.Paushkin and others. Vysokom.soed. 6 no.3:545-550 Mr '64.

Some properties of polyphenyleneimine [with summary in English]. I.P.Zhuravleva, E.A.Zgadzai, A.I.Maklakov. Vysokom.soed. 6 no.3:498-402 Mr '64.

POLYMERS—TESTING

Isometric heating as a method of studying oriented solid amorphous polymers [with summary in English]. L.A.Laius, E.V.Kuvshinskii. Vysokom.soed. 6 no.1:52-57 Ja '64.

Light scattering as a method for studying polymers. V.E.Eskin. Usp.fiz.nauk 82 no.4:649-706 Ap '64.

Nature and rheological properties of polymers. V.A.Lipachev. Nauch.trudy MTILP no.26:69-76 '62.

Nosov, M.P. [Dynamic fatigue of polymer threads] Dinamicheskaia ustalost' polimernykh nitei. Kiev, Gostekhizdat USSR, 1963. 195 p.

Studying the mechanical properties of polymeric materials under various speed conditions of short static tests. E.G.Isakovich. Plast.massy no.5:57-60 '64.

POLYMERS, HIGH see Macromolecular compounds

POLYMORPHISM

Characteristics of the kinetics of polymorphic transformation of zirconium dioxide on cooling. B.IA.Sukharevskii, B.G.Alapin, A.M.Gavrish. Dokl.AN SSSR 156 no.3:677-680 '64.

Conditions of the cooling of the fat base in margarine manufacture according to the data of the differential-thermal analysis. N.I.Kozin, E.N.Makarenko. Izv.vys.ucheb.zav.; pishch.tekh. no.2:54-59 '64.

Effect of dislocations on the temperature characteristics of the polymorphic transformation of cristobalite. B.IA.Sukharevskii, S.V.Lysak. Dokl.AN SSSR 155 no.3:615-618 Mr '64.

Internal friction of certain polymorphous metals. A.I.Dashkovskii. Met.i metalloved.chist.met. no.4: 182-187 '63.

Possibilities of polymorphic transitions [illegible] compression. IU.N.Riabinin, V.N.[illegible] Dronin. Meteoritika no.24:91-99 '64.

Special features of the polymorphic trans[illegible] cristobalite. B.IA.Sukharevskii, A.M.[illegible] AN SSSR 155 no.2:438-441 Mr '64.

POLYNOMIALS

Use of interpolation polynomials in the [illegible] solution of boundary value problems. P.B.[illegible] Dop.AN URSR no.3:299-302 '64.

Use of orthogonal polynomials in studying [illegible] ary properties of functions. IA.L.Ge[illegible] zap.KHGU 115:97-112 '61.

POLYPLOIDY

Behavior of amphidiploid wheat after late [illegible] A.R.Zhebrak, IU.K.Nikol'skii. [illegible] VBO no.5:31-44 '63.

Second meeting on polyploidy. IU.L.G[illegible] Chuksanova. TSitologiia 6 no.3:350-[illegible]

POLYPROPYLENE

Effect of temperature on the crystalline [illegible] isotactic polypropylene [with summary in English]. A.P.Firsov, I.V.Kremina, N.M.Chirk[illegible] soed. 6 no.3:377-379 Mr '64.

Large periods in polypropylene fibers. [illegible] orientation and heat treatment (annealing) [illegible] of the large periods [with summary in English] [illegible] Zubov and others. Vysokom.soed. [illegible] Mr '64.

POLYPROPYLENE—OPTICAL PROPERTIES

Birefringence of form in spherulites and [illegible] propylene films. V.I.Selikhova, [illegible] Kargin. Dokl.AN SSSR 155 no.[illegible]

POLYSACCHARIDES

Blood mucopolysaccharides in cancer of the gastro[illegible] tinal tract. V.K.Kukhta. Zdrav.Bel. [illegible] Je '63.

Carbohydrate composition of specific polysa[illegible] various serological types of Escherichia [illegible] mary in English]. A.A.Efimova. [illegible] epid.i immun. 40 no.9:101-106 [illegible]

Complexes of polysaccharide acids with pro[illegible] Bychkov. Usp.sovr.biol. 56 no.2:30[illegible]

Some enzyme-substrate systems in the process of [illegible] generation of the bony tissue. B.S.Kasavina and others. Eksper.khir.i anest. 7 no.4:58-63 [illegible]

Specific polysaccharides of streptococci. [illegible] Mikrobiol.zhur. 25 no.1:44-51 '63.

POPESCU-GOPO, ION

At the exhibition of Ion Popescu-Gopo. Isk[illegible] no.2:147-149 '64.

POPLAR

(see also subdivision under Armenia; Tugay [illegible])

Vegetative segregation in poplars and [illegible] A.E.Vasil'ev. Biul.Glav.bot.sada no.49:[illegible]

POPPY see subdivision under Moscow Province

POPPY BREEDING

Breeding poppy for double-purpose use. [illegible] Felix Silva. Agrobiologiia no.5:708-714 [illegible]

PORCELAIN see subdivision under Volokitin[illegible]

PORCELAIN, RUSSIAN

Gosudarstvennyi farforovyi zavod, Leningrad. [illegible] stvennyi farfor. Artistic porcelain. Leningrad [illegible] 1 v. (chiefly illus) [Parallel texts in Russian, English, German and French]

PORCELAIN, UKRAINIAN

The old Ukrainian porcelain. L.V.Dalina'[illegible] [illegible] ta mystetstvoznav. no.5:[illegible]

PORK

Proteolytic transformations occurring during the aging and curing of pork meat. P.E.Pavlovskii, G.P.[illegible] kina. Izv.vys.ucheb.zav.; pishch.tekh. no.2:[illegible] '64.

POROSITY

Effect of the electric field on the development of [illegible] during mutual diffusion in single alkali-halogen [illegible] IA.E.Geguzin, V.I.Solunskii. Dokl.AN SSSR [illegible] 644-646 '64.

Formation of a nonporous structure in poly[illegible] corundum. R.IA.Popil'skii, IU.F.Pankratov, N.M.Koifman. Dokl.AN SSSR 155 no.2:326-329 Mr '64.

Possibility of determining the porosity of reservoir [illegible] from the results of hydrodynamic investigations of wells. I.D.IAkunin. Nauch.-tekh.sbor.po dob.nefti no.[illegible] 51-53 '63.

POROUS MATERIALS

Effect of the structure of porous bodies on the specific surface value determined by the gas permeability method. B.N.Goshchitskii, I.S.Izrailevich, S.N.Novikov. Dokl. AN SSSR 155 no.3:640-643 Mr '64.

POROUS MATERIALS (Continued)

Hydrodynamics of the bed of some plant materials. T.A. Zamorueva. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:148-155 '64.

Mechanical strength of porous disperse bodies. P.A. Rebinder, E.D. Shchukin, L.IA. Margolis. Dokl. AN SSSR 154 no. 3:695-698 Ja '64.

PORPHINE

Abiogenetic formation of porphine and its role in the processes of photochemical electron transfer. A.A. Krasnovskii, A.V. Umrikhina. Dokl. AN SSSR 155 no. 3:691-693 Mr '64.

PORPHYRIN AND PORPHYRIN COMPOUNDS

Solar varicella and the role of porphyrins in its pathogenesis. M.G. Mirzoeva. Vest. derm. i ven. 37 no. 4: 39-43 Ap '63.

PORPHYRIN METABOLISM

Effect of nitrogen dioxide on porphyrin metabolism in white rats. P.P. IAkimchuk. Nauch. trudy Riaz. med. inst. 15:201-205 '62.

PORPHYRINS

Mechanism of the regeneration of porphyrins subsequent to photoreduction. G.P. Gurinovich and others. Dokl. AN SSSR 156 no. 1:125-127 My '64.

PORPHYRY see subdivision under Ural Mountain region

PORT WINE see subdivision under Oktemberyan (Armenia)

PORTAL HYPERTENSION

Diagnostic significance of determining portal blood flow in various lesions of the liver [with summaries in Tajik and English]. E.P. Fursova. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:194-207 '62.

Methodology of guided catheterization of the hepatic veins. Kh.D. Kulieva, IU.D. Volynskii. Eksper. khir. i anest. 8 no. 4:26-29 Jl-Ag '63.

Pathogenesis of intrahepatic portal hypertension in cirrhosis of the liver [with summaries in Tajik and English]. Kh. Kh. Mansurov, A.B. Denisov. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:152-163 '62.

Portal pressure in acute experimental lesion of the liver [with summaries in Tajik and English]. IU.V. Sergeev, V.I. Antonovich, R.I. Cherner. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:164-177 '62.

State of portal pressure in some diseases of the liver [with summaries in Tajik and English]. A.B. Denisov, V.S. Kostin. Trudy Inst. kraev. med. AN Tadzh. SSR no. 1:178-193 '62.

PORTAL VEIN—RADIOGRAPHY see Splenoportography

PORTLAND CEMENT

Burning mixes containing coarse-grained quartz. M.M. Sychev. M.A. Astakhova. Trudy Giprotsement no. 26: 19-25 '63.

Dependence of the strength of portland-ash cements on the mineral composition of clinkers. V.A. P'iachev. TSement 30 no. 2:9-10 Mr-Ap '64.

Processes involved in the solidification of portland cements when concretes are undergoing hydrothermal treatment under atmospheric pressure. P.P. Budnikov, E.IA. Ershler. Dokl. AN SSSR 155 no. 4:916-919 Ap '64.

Suitability of the sandstone of the oil shale interlayers of the Gdov field for the production of portland cement. E.L. Bruk and others. Trudy VNIIT no. 11:168-178 '62.

PORTUGAL—POLITICS AND GOVERNMENT

Portugal, its present and future. Joao Alves. Vsem. prof. dvizh. no. 11:12-16 N '63.

PORTUGAL—TRADE UNIONS

Portugal, its present and future. Joao Alves. Vsem. prof. dvizh. no. 11:12-16 N '63.

POSITRONS

Possibility for the production and acceleration of positrons in a microtron. K.A. Belovintsev, F.P. Denisov. Atom. energ. 16 no. 4:353-354 Ap '64.

POSTAGE STAMPS see subdivision under Malaysia, Federation of

POSTERS, UKRAINIAN—EXHIBITIONS

Thoughts about graphic arts and posters. L. Vladych. Mystetstvo 10 no. 5:10-11 S-O '63.

POSTOPERATIVE CARE

Effect of the combination of analeptics on the awakening from morphine-ether anesthesia. IU.A. Gol'din, A.N. Kudrin. Eksper. khir. i anest. 8 no. 4:81-83 Jl-Ag '63.

POTASSIUM

Determination of potassium and sodium in molasses. E.A. Grivtseva, R.I. Sukhomlin. Trudy KTIPP no. 27: 55-60 '63.

Surface ionization of potassium diffusing through a globar. V.K. Nevolin, P.E. Suetin. Zhur. tekh. fiz. 34 no. 3: 576 Mr '64.

Symposium on Potassium. Kh.M. Aleksandrovich. Vest. AN SSSR 34 no. 1:88-89 Ja '64.

POTASSIUM—PHYSIOLOGICAL EFFECT

Effect of potassium and calcium ions on the assimilation of reflex stimulation rhythms in frogs. N.A. Benoeva and others. Nauch. trudy Riaz. med. inst. 15:5-7 '62.

Electrophysiological analysis of the effect of different doses of potassium on the reflex activity of the spinal cord in frogs. A.A. Filatov. Nauch. trudy Riaz. med. inst. 15:144-147 '62.

POTASSIUM-ARGON DATING see subdivision under Sakhalin

POTASSIUM CHLORIDE

Aluminum phosphates Al_2O_3. $3P_2O_5$ and the interaction of $Al_4(P_4O_{12})_3$ with fused potassium chloride. IA.V. Kliucharov, L.I. Skoblo. Dokl. AN SSSR 154 no. 3:634-637 Ja '64.

POTASSIUM HALIDES

Thermodynamic properties of fused salt mixtures. Part 3. N.L. IArym-Agaev. Zhur. fiz. khim. 37 no. 3: 662-664 Mr '63.

POTASSIUM HYDROXIDE

Infrared and ultraviolet spectra of lactams in caustic potash solutions [with summary in English]. IU.U. Moiseev, G.I. Batiukov, M.I. Vinnik. Zhur. fiz. khim. 37 no. 3:570-577 Mr '63.

POTASSIUM IN THE BODY

Cellular polyelectrolytes and selective potassium accumulation. IA.A. Epshtein. Usp. sovr. biol. 56 no. 3:323-340 '63.

Effect of saluzide on the content of sodium and potassium in the urine and myocardium of white rats. V.A. Likhvantsev, L.S. Dubrovina. Nauch. trudy Riaz. med. inst. 15:55-57 '62.

POTASSIUM IODIDE

Oxidation of potassium iodide in a field of ultrasonic waves [with summary in English]. IU. IU. Lur'e, P.F. Kandzas, A.A. Mokina. Zhur. fiz. khim. 36 no. 11: 2329-2333 N '62.

POTASSIUM MANGANATE

Production of potassium manganate from manganous hydroxide. Kh.G. Purtseladze, T.K. Chkonila. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:59-67 '63.

POTASSIUM OXIDES

Effect of K_2O on the activity, selectivity, and electrical properties of alumina-chromia catalysts. A.M. Rubinshtein, A.A. Dulov, N.A. Pribytkova. Izv. AN SSSR. Ser. khim. no. 4:604-613 Ap '64.

POTASSIUM PERMANGANATE

Production of potassium manganate from manganous hydroxide. Kh.G. Purtseladze, T.K. Chkonila. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:59-67 '63.

POTASSIUM PERMANGANATE—THERAPEUTIC USE

Effect of potassium permanganate on experimental hyperkinesia caused by convulsant poisons. M.S. Chikun. Zdrav. Bel. 9 no. 6:52-53 Je '63.

POTASSIUM SALTS

(see also subdivision under Dnieper-Donets Lowland)

Nature of the hump on the differential capacitance curves [with summary in English. E. Shvarts, B.B. Damaskin, A.N. Frumkin. Zhur. fiz. khim. 36 no. 11:2419-2427 N '62.

POTASSIUM SILICATES

Precrystallization stage in glasses of the system K_2O - SiO_2. A.I. Avgustinik, I.T. Sintsova, D.M. IUdin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:101-105 '64.

POTATO HARVESTING MACHINERY see subdivision under Ukraine

POTATO LATE BLIGHT

Accelerated method of detecting Phytophthora in the potato leaves. N.G. Antsiferov. Bot. zhur. 49 no. 4: 573-575 Ap '64.

POTATO MOSAIC VIRUS

Effect of gibberellin on the wrinkled potato mosaic viruses [with summary in English]. L.K. Zherebchuk. Mikrobiol. zhur. 25 no. 1:3-8 '63.

POTATO WART

(see also subdivision under Moscow Province)

All-Union Scientific and Methodological Conference on Potato Wart. D. Lipsits. Mikrobiol. zhur. 25 no. 1: 71-72 '63.

Toxicity for animals of the cancerous potato. S.P. Zakrividoroga and others. Vop. pit. 21 no. 5:58-66 S-O '62.

POTATOES

(see also subdivision under Crimea)

Characteristics of cytoembryological processes in potatoes (Solanum tuberosum L.)[with summary in English]. O.I. Rybchenko. Ukr. bot. zhur. 21 no. 2:37-46 '64.

Daily variation of carbohydrates in leaves and stalks of potato plants. M.N. Goncharik, L.P. Rusetskaia, M.I. Marshakova. Bot.; issl. Bel. otd. VBO no. 5:8-15 '63.

Effect of some herbicides on the yield and starchiness of potatoes. S.M. Mashtakov, V.I. Slizhov. Bot.; issl. Bel. otd. VBO no. 5:63-70 '63.

Effect of the ripeness of potato tubers on their viability. IU.G. Trinkler. Agrobiologiia no. 5:786-788 S-O '63.

How potatoes made their career. T. Kostygova, G. Nikulina. Sem'ia i shkola 19 no. 1:44 Ja '64.

Increasing the starchiness of industrial potatoes. O.K. Grechishnikova. Trudy TSNIISP no. 13:54-60 '62.

Natural occurrence of wild potato species used as initial material for breeding [with summary in English]. S.M. Bukasov. Trudy po prikl. bot., gen. i sel. 33 no. 2:172-182 '63.

Second bread. B. Aleksandrov. Sem'ia i shkola 19 no. 1:45 Ja '64.

Utilization of the cellular juice of potatoes in the combined production of starch and alcohol. V.L. IArovenko and others. Trudy TSNIISP no. 13:3-10 '62.

POTATOES—CLEANING

Elements of the theory of a gamma-electron relay for a radiometric separator of potatoes. R.A. Srapeniants. Mekh. i elek. sots. sel'khoz. 22 no. 1:37-40 '64.

POTATOES—DISEASES AND PESTS

Inspecting potato fields for detecting the focuses of the golden nematode. N.A. Lobanova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:43-45 '63.

Inspecting the areas under potato crops for detecting the golden nematode by means of the selection and analysis of soil samples. A.M. Borovkova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:33-42 '63.

POTATOES—FERTILIZERS AND MANURES

Fertilizers in green manure crop rotation with potatoes [with summaries in English, German, and French]. IA.N. Burakov. Vest. sel'khoz. nauki 8 no. 12:15-17 D '63.

POTATOES—STORAGE

Aeration of potatoes. Priroda 53 no. 5:117 '64.

How to store potatoes and vegetables during spring and summer. M. Antonov, A. Volkova, L. Avdeeva. Sov. torg. 37 no. 3:42-43 Mr '64.

POTENTIAL, THEORY OF

Determining the experimental potential of mass transfer. L.M. Nikitina. Dokl. AN BSSR 8 no. 1:36-38 Ja '64.

Graticule for the calculation of V_{zxxx} and V_{xzzz} for two-dimensional bodies of arbitrary cross section [with summary in English]. V.I. Starostenko. Dop. AN URSR no. 4:484-487 '64.

Interpretation of V_{xz} anomalies over three-dimensional bodies. A.A. IUn'kov. Geofiz. sbor. no. 5:49-59 '63.

Inverse problem of the metaharmonic potential. A.I. Prilepko. Dokl. AN SSSR 154 no. 3:534-537 Ja '64.

Sokolov, S.N. [Nonlocal potentials and the possible upsetting of Bose and Fermi statistics] Nelokal'nye potentsialy i vozmozhnoe narushenie Bose i Fermi statistik. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 3 p.

Test of the finiteness of the number of discrete levels introduced into the lacunae of a continuous spectrum by the perturbations of the periodical potential. F.S. Rofe-Beketov. Dokl. AN SSSR 156 no. 3:515-518 '64.

Uniqueness and stability theorems of the inverse logarithmic potential method. IU.A. Shashkin. Mat. sbor. 63 no. 2:215-226 F '64.

Use of gradients and second derivatives of the potential in the method of natural electric fields [with summary in English]. IA.S. Sapuzhak. Dop. AN URSR no. 2:200-204 '64.

POTENTIOMETER

Amplifying attachment to the EP-1 potentiometer. N.A. Shchitov. Sbor. luch. rats. predl. pt. 2:9-10 '63.

Capillary ball pen attached to the PASK-8 potentiometer of the AEKS-900 logging station. P.IU. Grechin, I.V. Lavrenko. Sbor. luch. rats. predl. pt. 2:32 '63.

Electric prospecting instrument for measuring the ratio $\frac{\Delta v}{I}$. N.A. Shchitov. Sbor. luch. rats. predl. pt. 2:11-13 '63.

Key for the simultaneous closing of contacts in the EP-1 potentiometer. N.A. Shchitov. Sbor. luch. rats. predl. pt. 2:10-11 '63.

Methodology of the calibration of electronic potentiometers used in recording the components of the radiation balance. T.K. IAstrebova. Trudy GGO no. 112:187-190 '63.

POTENTIOMETRIC ANALYSIS

Quantitative determination of N-arylhydroxylamines by potentiometric titration with sodium nitrite [with summary in English]. O.P. Shvaika, E.G. Protsenko. Zhur. anal. khim. 18 no. 3:410-411 Mr '63.

POTENTIOMETRIC ANALYSIS (Continued)

Using potentiometric titration for the simultaneous determination of the "active" and general H_2SO_4 in solutions obtained in the production of TiO_2. IU. D. Dolmatov. Lakokras.mat.i ikh prim. no.1:52-53 '64.

POTTERY see subdivision under Kiev Economic region

POTTERY, PRIMITIVE see subdivision under Dniester Valley; Krasnoyarsk region; Ob' Valley

POULTRY

[illegible] A.F.Opol's'kyi. Dop.AN [illegible] '64.

[illegible] by sublimation. V.Ishukov. [illegible] 34 no.6:7-8 '63.

POULTRY—DISEASES AND PESTS
(see also subdivision under Alma-Ata Province; Azerbaijan)

Intracellular synthesis of leucosis and sarcoma viruses in birds. V.A.Parnes. Usp.sovr.biol. 56 no.3:431-441 '63.

POULTRY—FEEDING AND FEEDS

Effect of various sulfur sources on the growth of hybrid chicks. V.V.Molochnikov. Khim.v sel'.khoz. 2 no.3:42-45 Mr '64.

Effectiveness of using vitamin B_{12} with the complex of biomycin feed preparations in chick rations. E.N. Stal'skova. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1: 24-37 '64.

Using urea in poultry raising. E.E.Khadanovich. Trudy Grod.sel'khoz.inst. no.11:34-36 '62.

POULTRY—PHYSIOLOGY

Regulation of bile formation in birds. V.V.Li. Trudy Inst.fiziol.AN Kazakh.SSR 5:140-143 '63.

Some characteristics of the physiology of bile formation in birds. V.V.Li. Trudy Inst.fiziol.AN Kazakh.SSR 5:133-139 '63.

POULTRY BREEDING

Study of the possibility of changing the inherited characters in hens by the transfusion of heterogenous blood [with summary in English]. A.F.Opol's'kyi. Dop. AN URSR no.2:261-263 '64.

POULTRY FARMS—EQUIPMENT AND SUPPLIES see subdivision under Hungary

POULTRY INDUSTRY
(see also subdivision under Crimea)

Prospects and tasks of the poultry processing industry. Mias.ind.SSSR 34 no.6:1-3 '63.

POULTRY INDUSTRY—BY-PRODUCTS

Feed meal prepared from wing flaps. N.Fokin. Mias.ind.SSSR 34 no.6:37-38 '63.

POULTRY INDUSTRY—STANDARDS

Objective methods for evaluating the quality of poultry meat. B.Nikitin. Mias.ind.SSSR 34 no.6:4-5 '63.

POULTRY PLANTS

Modernization of the conveyor lines for the processing of waterfowl by the slaughterhouse methods. P.Abashin. Mias.ind.SSSR 34 no.6:33-35 '63.

Reorganization of poultry plants at minimum costs. G.Kuz'min. Mias.ind.SSSR 34 no.6:39-41 '63.

POULTRY PLANTS—COST OF OPERATION

Establishing expenditure norms for the processing of poultry. P.Burmistrov. Mias.ind.SSSR 34 no.6:27-28 '63.

POULTRY PLANTS—ELECTRIC EQUIPMENT

Apparatus for the electric stunning of poultry. V.Tarasov, D.Kulizhnyi. Mias.ind.SSSR 34 no.6:32-33 '63.

POULTRY PLANTS—EQUIPMENT AND SUPPLIES

Machine for the defeathering of killed birds. E.Motylenok. Mias.ind.SSSR 34 no.6:35-36 '63.

Mechanization of the conveying and drying of waterfowl feathers. N.Gimel'farb, K.Ivanov. Mias.ind.SSSR 34 no.6:36-37 '63.

POULTRY PLANTS—LABOR PRODUCTIVITY

Improvement of the processing of poultry and labor productivity. V.Tugai, V.Titova. Mias.ind.SSSR 34 no.6:25-27 '63.

POWDERS (PHARMACY)

Additivity of some properties in composite powders and tablets. Report No.3: Three-component mixtures. S.A.Nosovitskaia, E.E.Borzunov, V.P.Ogienko. Med. prom. 17 no.10:35-37 O '63.

POWER (MECHANICS)

IArosbev, D.M. [Problems in overall mechanization and the power method] Problemy kompleksnoi mekhanizatsii i energeticheskii metod. Izd.2., perer.i dop. Moskva, Stroiizdat, 1964. 185 p.

Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. [Electrodynamic modeling of power systems] Elektrodinamicheskoe modelirovanie energosistem. Pod red. M.P.Kostenko. Moskva, 1959. 225 p.
(ICMILC)

POWER ENGINEERING
(see also subdivision under Ukraine)

Scientific and technical problems of Soviet industrial thermal power engineering. T.A.Kolach. Izv.vys. ucheb.zav.; energ. 7 no.1:54-63 Ja '64.

Suggestions having received recognition at the Eighteenth All-Union Competition on the Saving of Thermal and Electric Energy. Prom.energ. 19 no.4:52-53 Ap '64.

Television in power engineering. O.D.Bychkov. Energ. i elektrotekh.prom. no.1:68-75 Ja-Mr '64.

Through the pages of technical magazines. Energetik 11 no.12:24-25 D '63.

POWER OF ATTORNEY

Il'inskaia, I.M., and L.F.Lesnitskaia. [Representation in court proceedings under civil procedure] Sudebnoe predstavitel'stvo v grazhdanskom protsesse. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 161 p.

POWER RESOURCES
(see also subdivision under Karaganda Province; Soviet Central Asia)

"Effective use of secondary power resources" by N.M. Vilenskii. Reviewed by A.N.Zlatopol'skii, I.M.Zavadskii, S.L.Pruzner. Prom.energ. 19 no.4:60-61 Ap '64.

The fuel power balance of the U.S.S.R. for 1962 and the problems of the efficient use of fuel and power. A.Riznik, S.Litvak. Vest.stat. no.5:11-23 '64.

Prospects for providing the United States and the countries of the common market with power resources. T.A.Drozdova. Gaz.delo no.11:57-60 '63.

Shteingauz, E.O. [The fuel-power balances of the main capitalist countries] Toplivno-energeticheskie balansy osnovnykh kapitalisticheskikh stran. Pod obshchei red. A.M.Nekrasova. Moskva, Izd-vo "Energiia," 1964. 125 p.

Utilization of secondary power resources in steaming reinforced concrete. A.A.Voznesenskii. Prom. energ. 19 no.4:21-26 Ap '64.

POWER TOOLS

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie po proizvodstvu elektromontazhnykh rabot. [Catalog on equipment, mechanisms, electric and pneumatic instruments for electrical installation operations] Katalog oborudovaniia, mekhanizmov, elektricheskogo i pnevmaticheskogo instrumenta dlia elektromontazhnykh rabot. Moskva, Gos. energeticheskoe izd-vo, 1960. 263 p.

POWER TOOLS—SAFETY MEASURES

Electrical tools and problems of safety. B.V.Tumanov. Prom.energ. 19 no.4:16-18 Ap '64.

POWER TRANSMISSION

Efficiency of the driving drums of a drive with a differential mechanism. A.Tiro. Khim.i tekh.gor. slan.i prod.ikh perer. no.10:84-89 '62.

Selecting the drive system and the degree of asymmetry in the differential drives of belt conveyors. A.Tiro. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:90-101 '62.

PRAGUE—LIGHTING

Lighting of streets and squares in Prague. V.Dvorzhachek. Svetotekhnika 10 no.4:9-13 Ap '64.

PRAGUE—WORLD WAR, 1939-1945

Prague, 1945. Karel Bartosek. Nov.vrem. 21 no.19: 10-11 My '64.

PRECAST CONCRETE

Apterman, I.Z., and others. [Development of the production of precast reinforced concrete and its cost] Razvitie proizvodstva sbornogo zhelezobetona i ego sebestoimost'. Pod obshchei red. D.I.Bukshteina i P.B.Gorbushina. Moskva, Gosstroiizdat, 1963. 125 p.

Zelenin, M.A. [Precast reinforced concrete] Sbornyi zhelezobeton. Perm', Permskoe knizhnoe izd-vo, 1960. 22 p. (Bibliotechka molodogo stroitelia)
[MICROFILM]

PRECAST CONCRETE CONSTRUCTION
(see also subdivision under Kherson Province; Moscow)

Assembly of cylindrical sunk wells made of precast reinforced concrete. IU.I.Zybin, F.A.Solov'ev. Prom.stroi. 41 no.12:32-33 D '63.

Increasing the productive capacity of a plant manufacturing elements for large-panel apartment houses. V.E. Petlevannyi. Mekh.stroi. 21 no.5:7-8 My '64.

Precast reinforced concrete impenetrable channels. Biul.stroi.tekh. 20 no.11:25-27 N '63.

Precast reinforced concrete skip wells for blast furnaces. E.V.Klimenko, V.A.Dmitrichenko. Sbor.nauch.trud. KGRI 18:22-28 '62.

Surfacing with precast concrete. N.T.Stepuro and others. Avt.dor. 27 no.3:23-25 Mr '64.

Technical instructions for the production and construction of precast reinforced concrete water pipes. P.M. Zelevich, K.V.Nikolai, M.E.Pisitsyn. Transp.stroi. 13 no.11:18-21 N '63.

PRECAST CONCRETE CONSTRUCTION—SAFETY MEASURES

Starostin, S.M. [Safety measures in enterprises of the precast concrete industry] Tekhnika bezopasnosti na predpriiatiiakh sbornogo zhelezobetona. Moskva, "Vysshaia shkola," 1964. 223 p.

PRECIPITATION (CHEMISTRY)

Coprecipitation in the system $Zn^{2+} - Co^{2+} - [Hg(SCN)_4]^{2-}$ studied by means of radiometric titration. A.V.Nikolaev, V.A.Grigor'ev. Dokl.AN SSSR 155 no.4:853-856 Ap '64.

Obtaining pure precipitates by the method of [illegible] reagents [with summary in English]. A.P.Terent'ev, K.I.Litvin, E.G.Rokhadze. Zhur.anal.khim. 18 [illegible] 406-407 Mr '63.

PRECIPITATION (METEOROLOGY)
(see also subdivision under Alay Mountains; Kara-Kalpak A.S.S.R.; Kirghizistan; Soviet Central Asia)

Drought and solar activity. M.Kh.Baidal. Trudy KazNIGMI no.20:87-90 '63.

Relationship between precipitation and the height of the lower boundary of clouds. A.D.Dzhuraev. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:[illegible] '63.

Soloznova, E.S., ed. [Chemical composition of the atmospheric precipitation in the European territory of the U.S.S.R.] Khimicheskii sostav atmosfernykh osadkov na Evropeiskoi territorii SSSR. [By] V.M.Drozdova i dr. Leningrad, Gidrometeoizdat, 1964. 209 p.

PRECIPITATION (METEOROLOGY)—MEASUREMENT

Measuring precipitation that wets vertical surfaces. A.A.TSvid. Sbor.nauch.rab.DVNIIS no.3:59-65 '63.

PRECISION CASTING

Heat-resistant mold compound for investment casting. L.Brontvain, A.Kardash. Prom.Arm. 7 no.3:[illegible] Mr '64.

Zaitsev, A.I. [Economic efficiency of precision casting] Ekonomicheskaia effektivnost' lit'ia po vyplavliaemym modeliam. Moskva, Izd-vo "Mashinostroenie," 1964. 75 p.

PRECISION CASTING—EQUIPMENT AND SUPPLIES

Mechanization of molding, melting and baking processes in a precision casting shop. V.G.Sorokin, N.S.Aleksandrov. Mashinostroenie no.2:7-10 Mr-Ap '64.

Preparing shell molds for skin casting. A.Ter-Gazarian, G.Feofanov. Prom.Arm. 7 no.3:41-46 Mr '64.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENEDIONE

Hormone therapy in complex treatment of pneumonia in young children. N.A.Lazarova. Pediatriia 42 no.9: 86-87 S '63.

Prednisolone treatment of patients with hepatitis and cirrhosis under control of intravital morphological studies of the liver [with summaries in Tajik and English]. M.Kh.Khodi-Zade. Trudy Inst. kraev.med.AN Tadzh.SSR no.1:231-247 '62.

PREGNADIENEDIONE—THERAPEUTIC USE

Compound treatment of rheumatic fever with prednisone and prednisolone. E.N.Artem'ev, V.D.Gubernatorova. Nauch.trudy Riaz.med.inst. 14:209-214 '63.

PREGNADIENETRIONE

Hormone therapy in complex treatment of pneumonia in young children. N.A.Lazarova. Pediatriia 42 no.9: 86-87 S '63.

PREGNADIENETRIONE—THERAPEUTIC USE

Compound treatment of rheumatic fever with prednisone and prednisolone. E.N.Artem'ev, V.D.Gubernatorova. Nauch.trudy Riaz.med.inst. 14:209-214 '63.

PREGNANCY

Diet of pregnant and nursing women. E.I.Kvater, M.S. Marshak. Vop.okh.mat.i det. 7 no.6:65-70 Je '62.

PREGNANCY, COMPLICATIONS OF

Combined ovarian and uterine pregnancy. A.S.Sonkin. Kaz.med.zhur. no.6:62-63 N-D '62.

Course of pregnancy and labor in patients with pulmonary tuberculosis. T.IA.Il'ina. Zdrav.Kazakh. 22 no.10: 30-34 '62.

Electrophoretic examination of the proteins and lipids in the blood serum in parturients and newborn infants and their importance in toxicoses. G.V.Fevraleva. Kaz.med.zhur. no.6:46-47 N-D '62.

Intra-amniotic administration of rivanol in protracted and almost completed pregnancy. N.S.Cherkasova. Nauch.trudy Riaz.med.inst. 15:172-175 '62.

Postpartum thromboembolism of the mesenteric vessels. L.L.Libenzon, T.A.Mikhailova. Vop.okh.mat.i det. 7 no.6:79-83 Je '62.

Rhesus sensitization in women. G.A.Tagunova, L.G. Sheremet'eva, G.V.Levkevich. Zdrav.Bel. 9 no.6: 34-37 Je '63.

PREGNANCY, COMPLICATIONS OF (Continued)

Role of the Treponema pallidum immobilization reaction in the diagnosis of false-positive results with standard serological reactions in pregnant women and patients of psychiatric hospitals. N.M.Ovchinnikov, N.M.Turanov, L.V.Sazonova. Vest.derm.i ven. 37 no.4:52-57 Ap '63.

Spontaneous rupture of the uterus in early pregnancy. E.F.Konovalov. Kaz.med.zhur. no.6:65-66 N-D '62.

Surgery in uterine fibromyoma during pregnancy. N.I. Kharevich. Zdrav.Bel. 9 no.6:79-80 Je '63.

Surgical treatment of spontaneous intracerebral hemorrhages in toxemia during pregnancy. N.M. Mosiichuk. Vop.neirokhir. 27 no.5:58 S-O '63.

Treatment of toxicosis during the first half of pregnancy by means of a paracervical blockade. G.V.Ivanova. Nauch.trudy Riaz.med.inst. 15:21-24 '62.

PREGNANCY, EXTRAUTERINE

Abdominal pregnancy. IU.I.Zenchenko. Kaz.med.zhur. no.6:61-62 N-D '62.

Combined ovarian and uterine pregnancy. A.S.Sonkin. Kaz.med.zhur. no.6:62-63 N-D '62.

Errors in the diagnosis of extrauterine pregnancy. V.M.Kaplun. Kaz.med.zhur. no.6:59-60 N-D '62.

Ovarian pregnancy. M.I.Slepov. Kaz.med.zhur. no.6: 63 N-D '62.

Pregnancy in the closed rudimentary horn of the uterus. IA.V.Pototskii. Vop.okh.mat.i det. 7 no.6:83 Je '62.

PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE) see subdivision under Leningrad

PRENATAL CARE

Development of biological problems in the field of pediatrics. Z.I.Biriukova, M.IA.Studenikin. Pediatriia 42 no.9:3-7 S '63.

PREOPERATIVE CARE

Effectiveness of the use of a 1% solution of calcium chloride in preoperative preparation in suppurative diseases of the lungs. G.M.Kerimov, I.G.Gurbanaliev. Khirurgiia no.1:95-100 '63.

PRESS

International character of the Soviet press. Az.i Afr. seg. 7 no.5:7 My '64.

Party character of the press and the journalist's world outlook. K.N.Smirnov. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.1:37-52 Ja-F '64.

The Soviet press observes the 400th anniversary of Russian book printing. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.1:3-22 Ja-F '64.

PRESSING OF GARMENTS—EQUIPMENT AND SUPPLIES

Regulation of the temperature of the pads of garment ironing presses. Report No.1. A.S.Ruzhentsev. Nauch.trudy MTILP no.26:238-244 '62.

Regulation of the temperature of the pads of garment ironing presses. Report No.2. A.S.Ruzhentsev, D.E. Sinel'nikov. Nauch.trudy MTILP no.26:245-252 '62.

Semiautomatic device indicating the termination of the steaming and pressing process of clothing with variable moisture content. I.V.Orlov, V.P.Dubrovnyi. Leh. prom. no.4:3-8 O-D '63.

Semiautomatic multiple-position lifter presser-conveyor for the steaming of clothing. B.A.Kusner, N.I.Petrov. Nauch.-issl.trudy TSNIIShveiproma no.10:132-142 '62.

Study of the processes of garment steaming and pressing. I.V.Orlov, M.P.Bereznenko. Leh.prom. no.4:31-39 O-D '63.

Trends in the improvement of steam and hot air presser forms. B.P.Bol'shov. Nauch.-issl.trudy TSNIIShveiproma no.10:123-132 '62.

PRESSURE—MEASUREMENT

New methods of measuring contact stresses during rolling. M.I.Poksevatkin, I.IA.Tarnovskii, A.N.Levanov. Izv.vys.ucheb.zav.; chern.met. 7 no.4:93-96 '64.

Simple method for the determination of mean indicated pressure by developed indicator diagrams. A.V.Fokin, V.V.Kononenko. Izv.vys.ucheb.zav.; mashinostr. no.2:71-75 '64.

PRESSURE GROUPS see subdivision under France

PRESTRESSED CONCRETE see subdivision under Great Britain

PRESTRESSED CONCRETE CONSTRUCTION

Prestressed continuous units for large-panel buildings [in Georgian with summary in Russian]. I.D.Shengeliia. Trudy GPI [Gruz.] no.4:137-151 '63.

PREVENTIVE MEDICINE see Medicine, Preventive

PRIANISHNIKOV, DMITRII NIKOLAEVICH, 1865-1948

Session in honor of D.N.Prianishnikov. E.I.Shkonde. Vest.AN SSSR 34 no.2:130-131 F '64.

PRICES

Influence of transportation costs on territorial price determination. V.Torbin. Vop.ekon. no.4:79-85 Ap '64.

The operation of the law of value in a socialist economy and problems of price formation [with summary in English]. M.F.Solodnikov, B.S.Andreev. Vest. LGU 19 no.5:5-13 '64.

Price problems of the world capitalist market. E.Georgiev. Vnesh.torg. 44 no.4:65-67 '64.

Study of the regularities of price determination at the world capitalist market. M.Moshenskii. Vop.ekon. no.4:104-108 Ap '64.

Studying the problem of price determination. A.Berg, V.Kossov, G.Poliak. Vop.ekon. no.4:134-136 Ap '64.

PRICKLY PEAR see subdivision under Caucasus; Terek Valley

PRIMROSES

Use of additional light for producing seeds of Primula obconica Hance. E.M.Fomin, A.A.Fateeva. Biul. Glav.bot.sada no.48:91-92 '63.

PRINTING

Anniversary of the 400th year of book printing in Russia. Ugol' 39 no.3:68-69 Mr '64.

Four hundred years of Russian books. V.Shklovskii. Nov.mir 40 no.3:190-193 Mr '64.

The 400th anniversary of the start of book printing in Russia. B.S.Shur. Stal' 23 no.3:196-197 Mr '64.

A glorious anniversary. D.Lidin. Avtom.telem.i sviaz' 8 no.3:23-26 Mr '64.

Nemirovskii, E.L., and B.S.Gorbachevskii. [With books through the centuries and countries] S knigoi cherez veka i strany. Moskva, "Kniga," 377 p.

The origin of book printing in Russia. M.N.Tikhomirov. Vop.ist. 39 no.5:26-37 My '64.

[Technology of printing in two books] Tekhnologiia poligraficheskogo proizvodstva v dvukh knigakh. Moskva, "Kniga."

Book 2. Aleksandrova, M.I., and I.N. Shapiro. [Printing and the stitching and binding processes] Pechatnye i broshiurovochno-pereplетnye protsessy. Pod red. P.A. Popriadukhina. 1964. 323 p.

PRINTING—HISTORY

Quadricentennial of the Russian printed "Apostle" (to be continued). N.Ivanov. Zhur.Mosk.Patr. no.4:69-75 '64.

The Soviet press observes the 400th anniversary of Russian book printing. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.1:3-22 Ja-F '64.

PRINTING INDUSTRY

From Ivan Fedorov to our days. M.Pashkov. NTO 6 no.4:52-54 Ap '64.

A great sowing. V.Pribytkov. Ekon.sel'khoz. 35 no.3:125 Mr '64.

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr.proizv. no.5 My '64.

PRINTING MACHINERY AND SUPPLIES

Zagarinskaia, L.A., and B.N.Shakhkel'dian. [Printing materials] Poligraficheskie materialy. Moskva, Izd-vo "Kniga," 1964. 401 p.

PRINTING PRESS—DESIGN AND CONSTRUCTION

Mordovin, B.M. [Design of printing presses] Proektirovanie poligraficheskikh mashin. Moskva, Izd-vo "Kniga," 1964. 325 p.

PRIPET VALLEY—GAS, NATURAL—GEOLOGY

Hydrological cycles in the area of the Pripet fault. G.V. Bogomolov, V.A.Filinov. Dokl.AN BSSR 8 no.3:172-174 Mr '64.

PRIPET VALLEY—HYDROLOGY

Hydrological cycles in the area of the Pripet fault. G.V. Bogomolov, V.A.Filinov. Dokl.AN BSSR 8 no.3:172-174 Mr '64.

PRIPET VALLEY—MANGANESE ORES

Manganese concretions in the Lower Triassic sediments of the Pripet fault and their association with reduction-oxidation conditions governing the formation of separate layers. V.A.Kovalev. Dokl.AN BSSR 8 no.3:179-183 Mr '64.

PRIPET VALLEY—PETROLEUM GEOLOGY

Hydrological cycles in the area of the Pripet fault. G.V. Bogomolov, V.A.Filinov. Dokl.AN BSSR 8 no.3:172-174 Mr '64.

PRISHVIN, MIKHAIL MIKHAILOVICH, 1873-1954

Photograph from a forest lodge. V.Kiselev. Sov.voin 46 no.2:32 Ja '64.

PROBABILITIES

Estimated operating precision of a background subtraction circuit. V.M.Malykhin. Prib.i tekh.eksp. 9 no.2:167-168 Mr-Ap '64.

The Fisher - Welch - Wald test. I.L.Romanovskaia. Dokl.AN SSSR 156 no.3:513-514 '64.

Properties of chains with complete bonds. M.Iosifescu, R.Theodorescu. Ukr.mat.zhur. 16 no.1:93-99 '64.

PROBATION

From the Presidium of the Supreme Soviet of the U.S.S.R. Sov.iust. 28 no.9:22 My '64.

G.A.Kriger's "Suspended sentence and the role of the community in its carrying out." I.Noi, A.Podchukaev. Sov.iust. 28 no.9:28-29 My '64.

Rehabilitation of probationers. E.Sarkisova. Sots. zakon. 40 no.12:48-50 D '63.

PRODUCE TRADE
(see also subdivision under Altai Territory)

Belov, K.A., G.S.Sunduk'ian, and E.A.Ur'ev. [Planning and organization of state purchases of raw materials and agricultural products] Planirovanie i organizatsiia zagotovok syr'ia i sel'skokhoziaistvennykh produktov. Moskva, Izd-vo TSentrosoiuza, 1963. 174 p. (MH)

PRODUCE TRADE—ACCOUNTING

More on accounting for the state deliveries of agricultural products in statistical organs. V.Astvatsaturov and others. Vest.stat. no.5:41-45 '64.

PRODUCE TRADE—STATISTICS

Several indices of agricultural development in 1963. Vest.stat. no.5:79-85 '64.

PRODUCTION CONTROL

Production control and the objectives of analytical chemistry. Zhur.anal.khim. 19 no.1:3-7 '64.

TSeitlin, IA.M., I.V.L'vovich, and O.I.IUsov. [Photoelectric transducers for the automation of inspection operations] Fotoelektricheskie datchiki dlia avtomatizatsii kontrolia. Leningrad, 1963. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov, no.4)

PRODUCTION ENGINEERING
(see also subdivision under Soviet Central Asia; Ukraine)

Determination of the optimum operating efficiency of production line equipment according to a given amount of the yearly output. E.IA.Shor. Priborostroenie no.4:26-29 Ap '64.

Sergeev, A.V. [Establishment of technical norms for work in machine shops] Tekhnicheskoe normirovanie truda v mekhanicheskikh tsekhakh. Izd. 3., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 310 p.

Silant'eva, N.A. [Automation and the establishment of norms for work] Avtomatizatsiia i normirovanie truda. Moskva, Izd-vo "Ekonomika," 1964. 132 p.

Some problems in the automation of production processes. E.Oganesian. Prom.Arm. 7 no.3:8-9 Mr '64.

Some problems in the specialization by party in machinery plants. E.G.IAkovenko. Izv.vys.ucheb. zav.; mashinostr. no.2:200-207 '64.

PRODUCTION STANDARDS—RESEARCH see subdivision under Armenia

PROFIT

Karagedov, R.G. [Profit in the system of the economic categories of socialism; a theoretical study] Pribyl' v sisteme ekonomicheskikh kategorii sotsializma; ocherk teorii. Moskva, "Mysl'," 1964. 163 p.

PROGRAMMED INSTRUCTION
(see also subdivision under Ukraine)

Cybernetic devices assist the independent work of students. A.A.Gaziev. Vest.vys.shkoly 22 no.4:50-52 Ap '64.

Let's combine the new and the traditional in an intelligent way. G.N.Aleksandrov. Vest.vys.shkoly 22 no.4: 45-49 Ap '64.

Method of compiling programmed materials. H.D.Riakhovs'kyi. Rad.shk. 42 no.2:36-42 F '64.

Programmed instruction. G.G.Maslova. Shkola i proizv. 9 no.3:66-73 Mr '64.

PROGRAMMING (ELECTRONIC COMPUTERS)

IUshchenko, E.L., and T.A.Grinchenko. [Programming program with input address language for the Ural-1 computer; programmer's manual] Programmiruiushchaia programma s vkhodnym adresnym iazykom dlia mashiny Ural-1; spravochnik programmista. Kiev, Naukova dumka, 1964. 105 p.

System of commands for a three-address machine without address register. G.M.Adel'son-Vel'skii and others. Dokl.AN SSSR 154 no.3:545-548 Ja '64.

PROJECTIVE GEOMETRY see Geometry, Projective

PROLETARSKAYA RESERVOIR—CARP

Ecological forms of wild carp in the Proletarskaya Reservoir (Manych). G.S.IUr'ev. Trudy Stavr.sel'khoz. inst. no.11:64-68 '62.

PROMEDOL

Analgesic activity of a combination of promedol with phenothiazine derivatives. N.K.Barkov. Eksper.khir. i anest. 8 no.4:75-77 Jl-Ag '63.

PROMETHIUM

[illegible] of nuclear sources for direct-charge current. A.N.[illegible], M.G.Mitel'man, N.D.Rozenblium. [illegible] 16 no.4:351-353 Ap '64.

PROPAGANDA, ANTICOMMUNIST

(see also subdivision under Germany; United States)

Against the philosophy of anticommunism. I. Mindlin. [illegible] 40 no.3:271-273 Mr '64.

[illegible] as an ideological weapon of imperialism. [illegible] Part. zhizn' Kazakh. 34 no.1:62-63 Ja '64.

PROPAGANDA, COMMUNIST

Ideological battle on the radio and television. N. Biriukov. Mezhdunar. zhizn' 11 no.5:76-90 My '64.

PROPANE

[illegible] of tert-butyl chloride studied by means [illegible]. Part 3 [with summary in English]. [illegible], [illegible]. Zhur.fiz.khim. 37 [illegible] Mr '63.

[illegible] of residual oils in a propane solution. A.N. [illegible]. Trudy GrozNII no.15:229-240 '63.

Effect of emulsifiers on the course of the interphase [illegible] in the production of polycarbonates based on [illegible] propane. O.V.Smirnova and others. Plast.massy no.5:13-15 '64.

1,3-Dibenzoyl-1,3-di-(2-selenenoyl)-propane. IU.K. IUr'ev, N.N.Magdesieva, V.V.Titov. Metod.poluch. khim.reak.i prepar. no.6:9-11 '62.

Synthesis and study of polycarbonates by the interfacial polycondensation method. Part 4: Effect of the excess of one of the components on the course of the interfacial polycondensation of 2,2'-bis-(4-hydroxyphenyl) propane and phosgene [with summary in English]. O.V. Smirnova and others. Vysokom.soed. 6 no.3:459-462 Mr '64.

PROPANEDIAMINE

Synthesis of optically active polymers based on propylenediamine and cyclopropanedicarboxylic acid [with summary in English]. I.N.Topchieva and others. Vysokom.soed. 6 no.3:512-515 Mr '64.

PROPANOL

Dimercaprol as an antidote against hexenal. Z.P. [illegible], E.P.Shavaeva. Nauch.trudy Riaz.med. inst. 15:41-42 '62.

PROPELLERS

Gorokhovskii, S.M. [Balancing of ship propellers] Balansirovka grebnykh vintov. Leningrad, "Sudostroenie," 1964. 142 p.

PROPENE

Alkylation of benzene with propylene in the presence of $AlCl_3$ at 40°. E.P.Babin, V.P.Marshtupa. Zhur.fiz. khim. 37 no.3:656-659 Mr '63.

Alkylizing toluene with propylene in the presence of aluminum chloride and polyalkyl toluenes. V.P. [illegible], A.Z.Dorogochinskii, M.G.Mitrofanov. Trudy GrozNII no.15:271-273 '63.

Polymerization of propylene in the presence of a $TiCl_3$ - $Al(C_2H_5)_3$ - $Zn(C_2H_5)_2$ [with summary in English]. A.P.Firsov, A.D.Ter-Gazarian, N.M.Chirkov. Vysokom.soed. 6 no.3:417-420 Mr '64.

Studying the conditions governing the regeneration of silica-magnesia catalyst for the polymerization of propylene and the economics of the process. E.G.Vol'pova, L.I.Ogibalina. Trudy GrozNII no.15:265-270 '63.

PROPERDIN

Properdin in the blood of patients with tuberculosis of the lungs. E.P.Averina, A.A.Borkhovetskaia. Lab.delo no.5:274-276 '64.

PROPIONITRILE

Addition of silicon hydrides to β-propargylhydroxypropionitrile. S.I.Sadykhzade, R.Saltanov, E.M. Khalilova. Azerb.khim.zhur. no.1:57-62 '64.

PROPIOPHENONE

Use of ethamine, a new local anesthetic preparation in ophthalmological practice. N.B.Nikulina, V.S.Gorlatov. Nauch.trudy Riaz.med.inst. 15:113-115 '62.

PROPORTIONING EQUIPMENT

Automatic proportioning device for concrete mix. V.P. Brodskii. Mekh.stroi. 21 no.5:22-23 My '64.

Automatic proportioning unit of components for an edge-runner mill. P.G.Veitsman, V.P.Mikhailov. Avtom.i prib. no.1:9-11 Ja-Mr '64.

Automatic scales for the proportioning of charge. V.I. Vrublevskii, K.S.Ravich. Mekh.i avtom.proizv. 18 no.5:36-37 My '64.

Mechanization of the distribution of dough pieces into molds. P.A.Strlukov. Khleb.i kond.prom. 8 no.4: 24-25 Ap '64.

Review of E.B.Karpin's book "Design of weighing and proportioning equipment." G.G.Mirzabekov, E.A. Mikhailovskii. Mekh.i avtom.proizv. 18 no.4:58 Ap '64.

Stepanov, I.A. [Proportioning devices for food liquids] Doziruiushchie apparaty dlia pishchevykh zhidkostei. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 46 p. [MICROFILM]

PROPYL ALCOHOL

Liquid - liquid - vapor equilibrium in the system Propyl alcohol - diphenyl oxide - water at 25°. N.P.Markuzin, L.S.Shreiner. Zhur.prikl.khim. 37 no.4:880-889 Ap '64.

Mechanism of the vapor phase reduction of allyl alcohol to n-propyl alcohol. S.D.Mekhtiev, O.A.Narimanbekov, Azerb.khim.zhur. no.1:31-35 '64.

PROPYLAMINE

Inclusion of C^{14}-β-mercaptopropylamine into the proteins of isolated microsomes, nuclei and mitochondria of the liver of mice. E.F.Romantsev, G.V.Kalistratov. Dokl. AN SSSR 156 no.1:200-202 My '64.

PROPYNOL

Oxidizing polyhydrocondensation of dipropargyl esters containing silicon, phosphorus, and fluorine. A.G. Makhsumov, A.M.Sladkov, V.V.Korshak. Izv.AN SSSR.Ser.khim. no.4:733-736 Ap '64.

PROSPECTING

(see also subdivision under Krivoy Rog Basin)

Glazkovskii, A.A. [Nickel] Nikel'. Moskva, Gosgeoltekhizdat, 1963. 281 p. (Otsenka mestorozhdenii pri poiskakh i razvedkakh, no. 20)

Per unit cost of prospecting for resources. A.P.Kofala. Sov.geol. 7 no.4:126-130 Ap '64.

Quantitative interpretation of secondary dispersion halos of lead. E.M.Kviatkovskii, I.N.Kritsuk. Zap.LGI 45 no.2:3-9 '63.

PROSPECTING—EQUIPMENT AND SUPPLIES

Litvinov, N.N. [Internal combustion engines used in geological prospecting] Dvigateli vnutrennego sgoraniia, primeniaemye na geologorazvedochnykh rabotakh. Moskva, Izd-vo "Nedra," 1964. 402 p.

PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Krivoy Rog Basin; Kuybyshev Province; Tersinka Trough)

Aerogeophysical methods and the possibility of their use in prospecting for mineral deposits. E.IA.Ostrovskii, V.I.Korchagin. Geol.mest.red.elem. no.20:5-19 '63.

Analysis of the potential uses of the double coding method. A.M.Bogomolov, V.P.Petrov. Geofiz.prib. no.12: 75-81 '62.

Geological and geophysical interpretation of aerogeophysical materials. V.P.Nefedov, E.IA.Ostrovskii. Geol.mest.red.elem. no.20:52-84 '63.

PROSTATE GLAND—DISEASES

Complications in paraffin therapy. V.V.Vlasov. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:266 My-Je '63.

PROSTHESIS

Let's evaluate the results in a new way. M.Strukov, M.Pevzner. Sots.obesp. 25 no.4:43-46 Ap '64.

Use of autoplast veins reinforced by perlon casings for plastic surgery of peripheral arteries under experimental conditions. IU.G.Shaposhnikov. Eksper.khir.i anest. 8 no.4:42-46 Jl-Ag '63.

Use of plastic esophageal prostheses [with summary in English]. L.G.Kharitonov, A.G.Kozhemiakin. Vest. khir. 90 no.5:3-8 My '63.

PROSTHODONTICS

Application of a prosthesis during an increased emetic reflex. N.V.Kalinina. Trudy TSIU 64:242-245 '63.

Orthodontic treatment and application of a prosthesis in partial absence of teeth. F.IA.Khoroshilkina. Trudy TSIU 64:272-277 '63.

Present state of the problem of implantation in the application of a prosthesis in an edentulous mandible. I.M. Starobinskii. Trudy TSIU 64:237-241 '63.

Significance of measuring models in preparing leaning removable prostheses. N.IA.Khamkin. Trudy TSIU 64:252-257 '63.

PROTACTINIUM—ANALYSIS

Separation of protactinium from other elements by extraction with N-benzoylphenylhydroxylamine [with summary in English]. B.F.Miasoedov, E.S.Pal'shin, P.N.Palei. Zhur.anal.khim. 19 no.1:105-110 '64.

PROTECTION OF PLANTS see Plants, Protection of

PROTECTIVE ATMOSPHERES

Correction of foundry rejects by welding-up in an atmosphere of water vapor. N.Z.Sementsov. Svar. proizv. no.11:35 N '63.

Semiautomatic welding of 09G2DT(M) steel in carbon dioxide. E.A.Asnis. Svar.proizv. no.11:23-25 N '63.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Electroplating of food machinery parts. [illegible] Khleb.i kond.prom. 8 no.3:11-15 Mr [illegible]

Investigating the operation of the vertical [illegible] of the UIM-14 machine for applying [illegible] K.E.Rashchepkin and others. Transp.[illegible] no.11:6-11 '63.

Metal welded barrels with an inner [illegible] M.V.Lykov. Transp.i khran.nefti i [illegible] 28-33 '64.

Paint coatings for draining static electricity [illegible] from the surface of glass tubes. I.N.[illegible] Vasil'eva. Lakokras.mat.i ikh prim. [illegible] '64.

Polymer-base protective coatings for [illegible] Stal' 23 no.3:193-195 Mr '64.

Protective coatings for nonferrous metals [illegible] used in the food industry equipment. A.V.[illegible] N.N.Danilova, G.Z.Shilova. Izv.vys.[illegible] pishch.tekh. no.2:88-90 '64.

Protective zinc priming. L.V.Nitberg, [illegible] Lakokras.mat.i ikh prim. no.1:[illegible] '64

Rapid method for the production of coatings [illegible] fluoroplast-3M suspension. T.N.Nikolae[illegible] driavtseva, L.V.Zakharova. Plast.massy [illegible] '64.

Synthesis of anticorrosive chromium phosphate [illegible] M.A.Shtern, N.E.Dantushevskaia, G.V.A[illegible] Lakokras.mat.i ikh prim. no.1:33-34 '64.

Use of bakelite lacquer coatings to increase [illegible] stability of "faolite." I.A.Egorov, L.I.Ma[illegible] Lakokras.mat.i ikh prim. no.1:51-53 '64.

Use of polyorganosiloxane lacquers as [illegible] protective coatings. M.V.Kurlin. Izv.[illegible] 65-70 '60.

Using the method of infrared spectroscopy for [illegible] the composition of the volatile products of [illegible] chemical destruction of lacquer coatings. [illegible] vich, A.V.Uvarov, T.N.Gurevich. Lakokras.[illegible] ikh prim. no.1:56-60 '64.

Wear resistance of combined coatings under [illegible] hydro-abrasive friction. IU.V.Gridina, A.[illegible] kov, L.A.Koval'. Izv.vys.ucheb.zav.[illegible] no.4:124-128 '64.

PROTECTIVE COATINGS—DRYING

Drying kilns for paint coatings heated by the [illegible] the combustion of natural gas. B.I.Maiz[illegible] Okun'. Lakokras.mat.i ikh prim. no.1:[illegible]

Maizel', B.I., and D.TS.Okun'. [Thermo[illegible]red drying chamber for the drying of paint [illegible] Elektrotermoradiatsionnaia sushil'naia kamera [illegible] sushki lakokrasochnykh pokrytii. Leningrad, [illegible] 20 p. (Leningradskii dom nauchno-tekhnicheskoi [illegible] gandy. Obmen peredovym opytom. Seriia [illegible] metallov ot korrozii, iznosostoikie antifrikts[illegible] korativnye pokrytiia, no. 6)

PROTECTIVE COATINGS—TESTING

Effect of the scale factor on the strength of [illegible] coatings. M.S.Dyl'kov, P.I.Zubov, A.T.[illegible] Lakokras.mat.i ikh prim. no.1:36-39 '64.

Studying the process of the thermal aging of [illegible] coatings. D.S.IAkubovich, P.I.Zubov, A.[illegible] skii. Lakokras.mat.i ikh prim. no.1:[illegible]

PROTEIN HYDROLYSATES

Method for the preparation of "MP" hydrolysate [illegible] blood proteins and their properties. N.[illegible] others. Trudy VNIIMP no.13:120-144 [illegible]

PROTEIN METABOLISM

Biological synthesis of protein and the problem of heredity [with summary in English]. Zh.A.Me[illegible] Izv.TSKHA no.1:103-120 '60.

Effect of iprazid on the metabolism of the glutamine amide group and protein amide groups in the [illegible] brain [with summary in English]. IA.T.Ter[illegible] A.V.Palladin, O.V.Pysanrevych. Ukr.biokhim.[illegible] 35 no.5:737-746 '63.

Effect of pepsin on protein digestion in various [illegible] gastritis. A.A.Tabakov. Lab.delo no.3:1[illegible]

Effect of thyroid gland hormones on the correlation of separate protein fractions in the blood serum [illegible] [with summary in English]. S.A.Iusupova. Vop.med. khim. 8 no.6:586-592 N-D '62.

Incorporation of labelled amino acids into the [illegible] teins and proteins of myocardial nuclei in compensatory hyperfunction and hypertrophy of the heart [with summary in English]. F.Z.Meerson, A.V.Pogossova. Vop.med.khim. 8 no.6:621-624 N-D '62.

Nucleopeptides as possible general intermediates [illegible] in the biosynthesis of proteins and nucleic acids. [illegible] Chepynoha. Ukr.biokhim.zhur. 34 no.1:[illegible]

PROTEINASES

Proteinases in animal tissues. M.P.Chernikov, Z.P. Evlikhina. Usp.sovr.biol. 57 no.1:50-70 Ja-F '64.

PROTEINS

Accuracy in determining protein in selected milk [illegible] by the luminescence method. S.V.Konev, T.I.[illegible], P.N.Saloshenko. Dokl.AN BSSR 8 no.1:51-52 Ja '64.

PROTEINS (Continued)

Amino acid composition and crude protein content in the herbage of vetch and sainfoin. E. V. Kolobkova, N. A. Kudriashova. Biul. Glav. bot. sada no. 48:48-53 '63.

Biological evaluation of the characteristics of heteroprotein blood substitutes with highly denatured proteins. B. A. Sevost'ianov. Trudy VNIIMP no. 13:145-149 '62.

"Biosynthesis of protein" by M. F. Gulyi. Reviewed by S. M. Merezhinskii. Usp. sovr. biol. 56 no. 3:466-467 '63.

Change in the amino acid composition of total protein in Bacillus subtilis T⁻ grown on a medium with 5-bromouracyl, an analogue of thymine. A. S. Antonov, N. Liutskanov, A. N. Belozerskii. Dokl. AN SSSR 155 no. 4:944-946 Ap '64.

Comparative properties of cytoplasmic proteins and of soluble chloroplast proteins in higher plants [with summary in English]. S. S. Melik-Sarkisian, N. M. Sisakian, E. N. Svetailo. Biokhimiia 27 no. 6:1047-1053 N-D '62.

Complexes of polysaccharide acids with proteins. S. M. Bychkov. Usp. sovr. biol. 56 no. 3:305-322 '63.

Effect of diets with varying quantities of protein on the course of chronic hepatitis. T. I. Loranskaia. Vop. pit. 21 no. 5:13-20 S-O '62.

Effect of high-quality protein nutrition on the growth and development of young cattle. V. V. Sakhnovskii. Trudy Stavr. sel'khoz. inst. no. 11:16-23 '62.

Effect of protein and carbohydrate food test samples on glycemia in diabetes mellitus [with summary in English]. K. M. Prostiakov. Vop. pit. 21 no. 6:3-10 N-D '62.

Effect of the pH on the electrophoretic mobility of the muscle proteins of fish. V. V. Bal', V. I. IUr'eva. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:38-39 '64.

Excretion of riboflavin in children from 3 to 7 years of age. E. M. Maslenikova, S. A. Kosenko. Vop. pit. 21 no. 5:31-36 S-O '62.

Fractionation of soluble brain proteins [with summary in English]. N. M. Poliakova, V. K. Lishko. Ukr. biokhim. zhur. 34 no. 1:10-22 '62.

Growth and development of young pigs during a rhythmical protein feeding. Z. A. Savkina. Trudy Kras. NIISKH 1:199-210 '62.

Macromolecular configuration of single chain globular proteins in spiralizing solvents [with summary in English]. V. P. Kushner, S. IA. Frenkel'. Biokhimiia 27 no. 6:1111-1115 N-D '62.

Method for balancing feeds according to their protein content. V. Gorshev. Ekon. sel'khoz. 35 no. 3:99-100 Mr '64.

On the interaction of glucose oxidase and the dehydrogenase of alpha-glycerophosphoric acid with tissue proteins and their hydrolysis products [with summary in English]. A. II. Sereda. Ukr. biokhim. zhur. 35 no. 5:677-689 '63.

Protein nutrition of Brown Swiss calves. V. V. Sakhnovskii. Trudy Stavr. sel'khoz. inst. no. 11:24-28 '62.

Protein substances and nucleic acids in the process of change in the dry substances of lupine seeds in germination. O. P. Bulko, A. S. Vocher. Dokl. AN BSSR 8 no. 3:195-198 Mr '64.

Sequence of nucleotides in ribonucleic acid triplets determining the incorporation of amino acids into proteins [with summary in English]. N. V. Luchnik. Biokhimiia 27 no. 6:1032-1046 N-D '62.

PROTEINS IN THE BODY

Contractile protein from the liver mitochondria. B. F. Poglazov, T. IA. Volkova, A. I. Zotin. TSitologiia 5 no. 3:338-339 My-Je '63.

Correlation in the intensity of synthesis and the breakdown of protein in the myocardium in heart hyperfunction. F. Z. Meerson and others. Dokl. AN SSSR 154 no. 3:738-741 Ja '64.

Inclusion of C^{14}-β-mercaptopropylamine into the proteins of isolated microsomes, nuclei and mitochondria of the liver of mice. E. F. Romantsev, G. V. Kalistratov. Dokl. AN SSSR 156 no. 1:200-202 My '64.

Sarcoplasm proteins in muscle during work and rest [with summary in English]. N. R. Chagovets. Vop. med. khim. 8 no. 6:599-603 N-D '62.

Structural proteins of the cardiac muscle [with summary in English]. T. P. Serebrenikova. Biokhimiia 27 no. 6:977-983 N-D '62.

PROTHROMBIN

Change in the quantity of cholesterol, prothrombin and ascorbic acid in the blood of workers with hypertension during work. M. A. Poliukhov. Zdravookhranenie 7 no. 1:24-29 Ja-F '64.

Effect of some vegetative poisons and mediators of nervous excitation on the thrombocyte level and prothrombin time in sheep. F. A. Ismagulova. Trudy Inst. fiziol. AN Kazakh. SSR 5:151-153 '63.

PROTON BEAMS

Methodology of an experimental study of the shielding properties of certain materials under the action of a proton beam from the synchro-cyclotron at Dubna. V. P. Afanas'ev and others. Atom. energ. 16 no. 5:437-440 My '64.

PROTONS

Draghicescu, P., and others. [Dynamic polarization of protons in lanthanum-magnesium nitrate crystals containing neodymium] Dinamicheskaia poliarizatsiia protonov v kristalle lantan-magnievogo nitrata s primes'iu neodima. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 16 p.

Photoprotons from Li^6. E. D. Makhnovskii. Zhur. eksp. i teor. fiz. 46 no. 3:1136-1138 Mr '64.

Protonation of carbonyl compounds and the mechanism of the acid hydrolysis of esters. V. A. Pal'm and others. Zhur. fiz. khim. 36 no. 11:2499-2501 N '62.

PROTONS—SCATTERING

Further refinement of phase shift values in pp-scattering at 657 Mev. [with summary in English]. L. S. Azhgirei and others. Zhur. eksp. i teor. fiz. 46 no. 3:1074-1078 Mr '64.

PROTOZOA see subdivision under Ukraine

PROTOZOA, PATHOGENIC

(see also subdivision under Alma-Ata region; Virgin Territory)

Combination of a dysenteric infection with protozoal and helminthic invasions and other accompanying diseases according to materials from Katta-Kurgan. P. M. Lerner and others. Nauch. trudy SamMI 21:36-38 '62.

Distribution of acid phosphatease in parasitic protozoans from amphibians. G. I. Sergeeva. TSitologiia 5 no. 3:348-351 My-Je '63.

Distribution of the sarcosporidiosis in sheep (Sarcocystis tenella Railliet) in southeastern Kazakhstan. N. G. Levchenko. Paraz. sel'khoz. zhiv. Kazakh. 2:154-157 '63.

Harmfulness of Sarcocystis tenella Railliet, 1886. N. G. Levchenko. Paraz. sel'khoz. zhiv. Kazakh. 2:158-162 '63.

Resistance of endoparasitic protozoans from some species of amphibians to ethyl alcohol. V. A. Sopina. TSitologiia 5 no. 3:343-347 My-Je '63.

PROTOZOOLOGY—CONGRESSES

Brief news. M. A. Musaev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 12:117-119 '61.

PROVERBS, BURYAT

I. N. Madason's collection "Buryat proverbs and sayings." M. P. Khomonov. Sov. lit. i fol'k. Bur. no. 2:253-257 '62.

PROVERBS, RUSSIAN

Extracurricular reading of folklore. N. M. Galochkin. Nach. shkola 32 no. 1:47-49 Ja '64.

PROVERBS, WHITE RUSSIAN

A collection of White Russian proverbs and sayings prepared and published by S. Rysinski in Lyubcha in 1618. IA. I. Paretski, IU. I. Prenskaia. Vesti AN BSSR. Ser. hram. nav. no. 1:124-133 '64.

PRUSSIA—HISTORY—CONGRESSES

Significant landmark in the history of the friendship of the German and Russian peoples. Ist. SSSR 8 no. 2:236-238 Mr-Ap '64.

PRUZHANY DISTRICT—EMPLOYEES, DISMISSAL OF

Letters from the editor. Sov. profsoiuzy 20 no. 7:44-45 Ap '64.

PRZHEVAL'SKII, NIKOLAI MIKHAILOVICH, 1839-1888

An outstanding Russian geographer and traveler; the 125th anniversary of the birth of N. M. Przheval'skii. The knight of science. L. S. Khrenov. Priroda 53 no. 5:107-109 '64.

PSEUDARTHROSIS

Improved method of myoplasty in the treatment of pseudarthrosis of the tibia. T. A. Revenko. Ortop., travm. i protez. 24 no. 10:69-71 O '63.

PSEUDOMONAS

Effect of tetracycline on the morphology of Pseudomonas pyocyanea. A. G. Khvoles. Lab. delo no. 5:307-309 '64.

Increase in the antibiotic activity of micro-organisms under the effect of the culture medium. M. S. Shkliar, L. A. Khalimova. Agrobiologiia no. 6:880-883 S-O '63.

PSEUDOMONAS—CULTURES AND CULTURE MEDIA

Isolation of a pure culture of Pseudomonas pyocyanea and yeasts from infected material. V. M. Podkopaev, E. I. TSvetkov. Lab. delo no. 5:306-307 '64.

PSEUDOPHYLLIDEA see subdivision under Amur Valley

PSKOV—ART GALLERIES AND MUSEUMS—CATALOGS

Pskov. Istoriko-khudozhestvennyi muzei. [Catalog of Russian prerevolutionary and Soviet fine art] Katalog russkogo dorevoliutsionnogo i sovetskogo izobrazitel'nogo iskusstva. [Pskov] Izd-vo gazety "Pskovskaia pravda," 1963. 59 p. illus.

PSKOV—COINS, MEDIEVAL

The Pskov coins of the 15th century. A. S. Mel'nikova. Num. i epig. 4:222-244 '63.

PSKOV PROVINCE—HOSPITALS, GYNECOLOGIC AND OBSTETRIC

Experience in caring for premature children in obstetric institutions in Pskov Province [with summary in English]. I. A. Pastukhova, V. G. Vorozhtsova. Vop. okh. mat. i det. 7 no. 6:71-73 Je '62.

PSKOV PROVINCE—INFANTS (PREMATURE)

Experience in caring for premature children in obstetric institutions in Pskov Province [with summary in English]. I. A. Pastukhova, V. G. Vorozhtsova. Vop. okh. mat. i det. 7 no. 6:71-73 Je '62.

PSKOV PROVINCE—INSULATION (HEAT)

Production of heat insulating slabs for combination coverings. V. IEltyshev. Sil'. bud. 13 no. 1:18-19 Ja '63.

PSKOV PROVINCE—KARST

Characteristics of pseudokarst relief forms in the southern regions of Pskov Province. A. N. Shershneva. Izv. Vses. geog. ob-va 96 no. 2:133-136 Mr-Ap '64.

PSKOV PROVINCE—ROCKS, CARBONATE

Producing lime from the carbonate rocks of the oil shale interlayers of the Gdov field. IU. D. Motin, I. M. Ozerov. Trudy VNIIT no. 11:179-188 '62.

PSKOV PROVINCE—SANDSTONE

Suitability of the sandstone of the oil shale interlayers of the Gdov field for the production of portland cement. E. L. Bruk and others. Trudy VNIIT no. 11:168-178 '62.

PSORIASIS

Dynamics of the development and resolution of the plaque in psoriasis. A. S. Chubarova. Nauch. trudy GIDUV no. 12:110-114 '57.

PSYCHIATRIC SOCIETIES see subdivision under White Russia

PSYCHIATRY

(see also subdivision under Czechoslovakia; Tajikistan; United States)

A. P. Noyes and L. Colb. Modern clinical psychiatry. E. IA. Shternberg. Zhur. nevr. i psikh. 64 no. 3:474-476 '64.

Microsociology and psychiatry. V. M. Morozov. Zhur. nevr. i psikh. 64 no. 1:142-147 '64.

Possible methods of the application of cybernetic principles in psychiatry. N. F. Shakhmatov. Zhur. nevr. i psikh. 64 no. 3:459-464 '64.

Problem of localization and clinical psychiatry. A. L. Abashev-Konstantinovskii. Zhur. nevr. i psikh. 64 no. 1:43-49 '64.

PSYCHOLOGY, PATHOLOGICAL

Pathopsychological studies in the active therapy of psychoses. V. M. Kogan, E. A. Korobkova. Zhur. nevr. i psikh. 64 no. 3:464-467 '64.

PSYCHOLOGY, PHYSIOLOGICAL

Brain and psyche. A. N. Leont'ev. Vop. filos. 18 no. 3:164-168 '64.

Experimental-psychological research and the problem of localization of functions. M. S. Lebedinskii. Zhur. nevr. i psikh. 64 no. 1:36-42 '64.

PSYCHOSES

Clinical aspect and psychopathology of influenzal psychoses proceeding with the syndrome of psychic automatism. M. G. Guliamov. Trudy Dush. med. inst. 61:60-78 '63.

Pathopsychological studies in the active therapy of psychoses. V. M. Kogan, E. A. Korobkova. Zhur. nevr. i psikh. 64 no. 3:464-467 '64.

Pseudohallucination syndrome in the picture of posttraumatic psychic disorders. L. K. Khokhlov. Sbor. nauch. rab. IAr. med. inst. no. 21:121-131 '59.

Psychotic pictures observed during the course of Alzheimer's disease and Pick's disease. N. F. Shakhmatov. Zhur. nevr. i psikh. 64 no. 2:265-269 '64.

Treatment of psychoses with pronounced affective disorders by means of nozinan. L. S. Mstislavskaia, L. P. IAkovleva. Trudy Dush. med. inst. 61:89-106 '63.

PSYCHOTROPIC DRUGS

Avrutskii, G. IA. [Modern psychotropic drugs and their use in the treatment of schizophrenia] Sovremennye psikhotropnye sredstva i ikh primenenie v lechnii shizofrenii. Moskva, Izd-vo "Meditsina," 1964. 301 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Experience in objective control of the use of psychotropic drugs. L. IA. Uspenskaia. Zhur. nevr. i psikh. 64 no. 3:441-445 '64.

Forrest's test as a means of control of the use of psychotropic drugs and the results of this control on the basis of our own observations. S. Pużyński, Ja. Rogowska. Zhur. nevr. i psikh. 64 no. 3:437-440 '64.

Use of a graded evaluation scale for the quantitative determination of the therapeutic effectiveness of antidepressants. IU. L. Nuller. Zhur. nevr. i psikh. 64 no. 3:449-452 '64.

PUBLIC HEALTH

(see also subdivision under Moldavia; Togo; Turkmenistan; Uzbekistan)

Current problems in public health planning. G.A.Novgorodtsev, G.A.Popov. Sov.zdrav. 22 no.8:3-9 '63.

Methodology for determining requirements for therapeutic and prophylactic service for children. M.A. Bogomol'skii. Sov.zdrav. 22 no.8:19-23 '63.

Some problems in the organization of psychoneurological services. E.A.Babaian, Z.N.Serebriakova. Zhur. nevr.i psikh. 64 no.1:137-141 '64.

PUBLIC OPINION

Public opinion and an all-people's law. R.A.Safarov. Sov.gos.i pravo 34 no.4:80-90 Ap '64.

PUBLIC PROSECUTORS

(see also subdivision under Kishinev; Leningrad; Moscow; Orenburg Province; Vietnam, North)

How public prosecutors supervise the observance of laws. Sots.zakon. 40 no.12:75-77 D '63.

In the Office of the Public Prosecutor of the U.S.S.R. Sots.zakon. 40 no.12:71-72 D '63.

PUBLIC UTILITIES

Engineering equipment of settlements on state and collective farms. S.V.Smirnitskii. Biul.stroi.tekh. 21 no.2:40-41 F '64.

PUBLISHERS AND PUBLISHING

Philosophical literature in 1964. V.I.Evsevichev and others. Vop.filos. 18 no.4:179-183 '64.

"Sovetskaia Rossiia" to libraries. E.Petrov. Bibliotekar' no.5:34-35 My '64.

PUERPERIUM

Determination of the concentration of citral in the blood and urine of puerperants by the use of paper discs following its intrauterine administration. G.M.Osnos. Lab.delo no.4:226-229 '64.

Psychotic recrudescence in the course of the circular form of schizophrenia during the puerperal period. M.M.Tadzhibaeva, P.I.Shtein. Trudy Dush.med.inst. 61:107-123 '63.

PULLEYS

New design of electric pulley blocks. V.Tashkinov. Tekh.v sel'khoz. 23 no.12:35-40 D '63.

PULMONARY ARTERY

Method of temporary unilateral occlusion of the pulmonary artery and bronchus. V.L.Evgrafov. Khirurgiia no.1: 85-90 '63.

PULMONARY ARTERY—DISEASES

Surgical technique in experimental substantiation of anonymo-pulmonary anastomosis. B.I.Khubutiia. Khirurgiia no.1:34-40 '63.

PULMONARY CIRCULATION

Importance of selective angiopulmonography in determining the operability of lung cancer [with summary in English]. M.IA.Polikarpov. Vest.khir. 90 no.5:8-14 My '63.

PULMONARY STENOSIS

Anesthesia in various methods for removing isolated stenosis of the pulmonary artery. G.A.Riabov, V.I. Pipiia, E.D.Nisnevich. Eksper.khir.i anest. 8 no.4: 59-62 Jl-Ag '63.

PULSE CIRCUITS

Gorokhov, S.F. [Nonlinear and parametric processes] Nelineinye i parametricheskie protsessy. Moskva, Redaktsionno-izdatel'skii otdel VZEIS.
No.2. [A manual for the course "Theoretical principles of radio engineering" for students of the fourth course of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radiotekhniki" dlia studentov 4 kursa radiotekhnicheskikh fakul'tetov. 1963. 87 p. (Lektsii po tekhnike sviazi)

PULSE TECHNIQUES (ELECTRONICS)

Analogue of Lure's method for analyzing the stability of nonlinear sampled-data control systems. G.G.Rakhimov. Izv.AN SSSR.Tekh.kib. no.2:56-64 Mr-Ap '64.

Apparatus for reproducing the shape of current pulses. A.A.Glazov, L.M.Onishchenko. Prib.i tekh.eksp. 9 no.2:100-104 Mr-Ap '64.

Device for shaping voltages with steep fronts from slowly varying voltages. L.I.Gusiatinskii, D.A.Skrynchenko. Avtom.i prib. no.1:58-59 Ja-Mr '64.

Experience in adjusting and checking the performance of an arithmetic operational block. G.D.Vachiberidze. Trudy Inst.elek.,avtom.i telem.AN Gruz.SSR 4:45-50 '63.

Memory device for time-compression of a signal. IU.S. Trikoz. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:27-33 Ja-F '64.

Noncontact pulse recording. A.B.Donskoi, I.Sh.Lutsker. Priborostroenie no.12:5-7 D '63.

Pulse height analysis with photographic recording on a moving film. V.S.Pantuev, M.N.Khachaturian. Atom. energ. 16 no.5:444-446 My '64.

Samoilov, V.F., and V.G.Makoveev. [Pulse techniques] Impul'snaia tekhnika. [Moskva] Izd-vo "Sviaz'," 1964. 279 p.

Shape of the light pulse emitted by a flash lamp. N.A. Tolstoi, M.V.Epifanov. Opt.i spektr. 16 no.4:677-683 Ap '64.

Simple pulse counter. N.A.Levchenko, V.A.Tolimanchuk. Avtom.i prib. no.1:65-66 Ja-Mr '64.

Theory of frequency spectra and demodulation of pulses with two-cycle first-order pulse-duration modulation. V.V.Malanov. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:99-103 Ja-F '64.

Transient processes in distributed systems during transmission and shaping of nanosecond impulses. G.V.Glebovich. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:42-50 Ja-F '64.

TSypkin, IA.Z. [Lectures on the theory of automatic control; elements of the theory of sampled-data control] Lektsii po teorii avtomaticheskogo regulirovaniia; elementy teorii impul'snogo regulirovaniia. Izd.3. Moskva, Vses.zaochnyi energ. in-t, 1963. 92 p.

Use of the pulse feeding method in counter dead time measurements. G.Grigorov, Zh.Papadopulov. Prib. i tekh.eksp. 9 no.2:168-169 Mr-Ap '64.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

Determination of an optimum number of blades for feed pump rotor wheels. V.V.Maliushenko. Izv.vys.ucheb. zav.; energ. 7 no.4:58-65 Ap '64.

Double-acting single-cylinder piston pump. Sbor. nauch.-tekh.inform. no.3:37-38 '60.

High-pressure pump. V.Voevodin. Pozh.delo no.4:24 Ap '64.

Operation of the end packing of 14N12x2 mainline pumps in petroleum pumping stations. P.I.Chulin. Transp.i khran.nefti i nefteprod. no.3:6-8 '64.

Operation of the valves of a piston power pump. N.M. Shamrai. Trudy BashNII NP no.6:259-266 '63.

PUMPING MACHINERY—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref.zhur.: Nasosostr.i kompressorostr. nos.5-6 My-Je '64.

PUMPING MACHINERY—TESTING

Investigating the end distributor of the NPA-64 axial-flow piston pump. R.M.Pasynkov. Vest.mashinostr. 44 no.4:27-33 Ap '64.

PUMPING MACHINERY, ELECTRIC

Redesigning of the reverse valve of the SS 100 x 10 electric feed pump. S.S.Gorbenko. Energetik 11 no.12:15-16 D '63.

Sealed DTsNG-type electric motors for electric pumps without stuffing boxes. Prom.energ. 19 no.2:56-57 F '64.

PUMPING STATIONS see subdivision under Irtysh-Karaganda Canal region; Ukraine

PUMPING STATIONS—EQUIPMENT AND SUPPLIES

Determining the regulating capacity of tanks. N.B. Serebriakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:128-131 '63.

PUNCHED CARD SYSTEMS

Using punch-card machines in classifying parts. F.I. Paramonov. Vest.mashinostr. 44 no.4:75-77 Ap '64.

PUNCHED CARD SYSTEMS—HELMINTHOLOGY

Possibilities of using a combined system of punched cards in the bibliographical work on plant nematodology. A.M.Nilson, E.L.Krall. Sbor.rab.po nemat.sel'khoz. rast. no.6:141-166 '63.

PUNCHES

Action of a circular punch on an elastic layer of finite thickness supported by a rigid foundation. V.I. Dovnorovich. Izv.AN SSSR.Mekh.i mashinostr. no.2: 119-122 Mr-Ap '64.

Dynamic contact problem of a punch with a flat circular base on an elastic semispace. N.M.Borodachev. Izv. AN SSSR.Mekh.i mashinostr. no.2:82-90 Mr-Ap '64.

PUNDZIUS, BRONIUS, 1907-1959

Monument of courage and struggle. S.Chervonnaia. Iskusstvo 26 no.12:31-32 '63.

PUNGA GAS FIELD—GAS, NATURAL—GEOLOGY

Punga natural gas field in Tyumen' Province. L.I. Rovnin. Geol.nefti i gaza 8 no.1:12-15 Ja '64.

PUNISHMENT

Theoretical foundations for the legislation on Soviet correctional labor. L.I.Smirnov, S.G.Novikov. Sov. gos.i pravo 34 no.4:66-79 Ap '64.

PURENAS, ANTANAS, 1881-1962

Antanas Purenas, 1881-1962; an obituary [in Lithuanian and Russian]. Trudy AN Lit.SSR.Ser.B no.1:225-230 '63.

PURINES

Mobility of purines and pyrimidine bases and their derivatives during electrophoretic separation. I.N.Kasatkina, N.A.Fedorov. Lab.delo no.3:156-159 '64.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Bogach, G.F. [Pushkin and Moldavian folklore] Pushkin i moldavskii fol'klor. Kishinev, Kartia Moldoveniaske, 1963. 293 p.

Everything excited the gentle mind.... A.Glensen. V mire knig 3 no.7:36-37 Jl '63.

Historical and literary remarks on Pushkin; the first editions of the poet's works published in Moscow. V.Gur'ianov. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.1:82-94 Ja-F '64.

Trubetskoi, B.A. [Pushkin in Moldavia] Pushkin v Moldavii. Izd.3., ispr. i dop. Kishinev "Kartia Moldoveniaske," 1963. 383 p.

PUSHKIN (LENINGRAD PROVINCE)—PALACES

Petrov, A.N. [Pushkin; its palaces and parks] Pushkin; dvortsy i parki. Leningrad, Iskusstvo, 1964. 230 p. illus.

PUZZLES

In a free moment. Sov.voin 44 no.22:40 N '62.

PYATIGORSK—HEALTH RESORTS, WATERING PLACES, ETC.

Bernshtein, A.I. [The Pyatigorsk Health Resort] Kurort Piatigorsk. Stavropol', Knizhnoe izd-vo, 1963. 144 p. illus.

Review of "Informatsionno-metodicheskie materialy," vol.4, no.3. A.E.Shterengerts. Vop.kur.,fizioter.,i lech.fiz.kul't. 28 no.3:274-275 My-Je '63.

PYLORIC STENOSIS

Classification and the clinical aspects of cicatricial pyloric stenosis. A.V.Zubynina. Sbor.nauch.trud. Ivan.gos.med.inst. no.25:86-91 '62.

PYRAN

Isomerization of tetrahydropyrans. N.I.Shuikin and others. Izv.AN SSSR.Ser.khim. no.4:747-750 Ap '64.

PYRENEES—GEOLOGY, STRATIGRAPHIC

Geological excursion in the French Pyrenees. E.V. Pavlovskii, P.M.Khrenov. Vest.AN SSSR 34 no.2:74-78 F '64.

PYRIDINE

Detection of molybdenum as a pyrocatechol-pyridine complex [with summary in English]. A.I.Busev, G.P. Rudzit. Zhur.anal.khim. 19 no.1:102-104 '64.

Extraction of uranyl nitrate by the derivatives of pyridine-N-oxides. A.V.Nikolaev and others. Dokl. AN SSSR 156 no.3:616-618 '64.

7-(2-pyridylazo)-8-hydroxyquinoline. A.I.Busev, V.M. Ivanov, L.L.Talipova. Metod.poluch.khim.reak.i prepar. no.6:40-42 '62.

Sorption of pyridine by carboxylic resins. A.I.Zhukov, V.M.Markova, R.V.Pavlinov. Zhur.prikl.khim. 37 no.4:860-864 Ap '64.

Vibrational spectra and aromaticity of six-membered azacycles. V.I.Berezin. Dokl.AN SSSR 155 no.3: 629-631 Mr '64.

PYRIDOXINE

Determination of B_6 group vitamins by paper electrophoresis. O.V.Aksenova. Lab.delo no.4:219-221 '64.

Use of vitamin B_6 and B_{12} in compound treatment of stomach and duodenal ulcer. S.M.Bromoner and others. Vest.AMN SSSR 18 no.2:85-87 '63.

PYRIMIDINES

Effect of antimetabolites of pyrimidine bases on the synthesis of nucleic acids. S.S.Debov. Vop.med. khim. 8 no.6:563-577 N-D '62.

Isolation of pyrimidine deoxyribonucleosides and the production of their aminoacyl derivatives [with summary in English]. N.I.Sokolova and others. Biokhimiia 27 no.6:1079-1084 N-D '62.

Mobility of purines and pyrimidine bases and their derivatives during electrophoretic separation. I.N.Kasatkina, N.A.Fedorov. Lab.delo no.3:156-159 '64.

PYRITES

(see also subdivision under Aragats, Mount; Kirghiz Range region)

Internal structure of pyrite grains of various origin and research methods. A.P.Pereliaev. Geol.rud. mestorozh. 5 no.6:73-86 N-D '63.

New data on the genesis of pyritic deposits. A.K.[illegible] Dokl.AN SSSR 156 no.3:592-593 '64.

PYROCATECHOL

Detection of molybdenum as a pyrocatechol-pyridine complex [with summary in English]. A.I.Busev, G.P. Rudzit. Zhur.anal.khim 19 no.1:102-104 '64.

PYROGALLOL

Separation of dimethyl esters of pyrogallol and its homologs by means of paper chromatography. V.Kurko, L.Kel'man. Mias.ind.SSSR 34 no.6:50-52 '63.

PYROLYSIS

Effect of aromatic hydrocarbons on the distribution of the products of gasoline pyrolysis. S. E. Itsek, T. N. Mukhina, N. L. Barabanov. Khim. prom. no. 3:163-165 Mr '64.

Effect of mineral additions on Tkibuli coal pyrolysis. V. G. Gegele, L. A. Litsinova. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:81-89 '63.

Effect of the structure of polyvinyl alcohol films on the mechanism of their pyrolysis. G. I. Distler, P. S. Sotnikov, E. I. Kortukova. Dokl. AN SSSR 156 no. 3: 652-653 '64.

Obtaining acetylene by high-temperature pyrolysis in tubestills. O. I. Lapitskaia, K. A. Zubkova. Trudy BashNII NP no. 6:186-194 '63.

Selecting a heat carrier for the contact pyrolysis of gases and gasoline fractions. E. M. Breshchenko and others. Trudy GrozNII no. 15:176-186 '63.

Using xylene fractions of a pyrolytic product of the casinghead gasoline of compartment kilns. M. V. Kobyl'skaia, N. I. Pyshkina, S. S. Semenov. Trudy VNIIT no. 11:127-133 '62.

PYROLYSIS—EQUIPMENT AND SUPPLIES

Designing apparatus for contact pyrolysis. B. K. Amerik and others. Trudy GrozNII no. 15:75-82 '63.

PYROMETRY

Measuring the temperature of magnesium alloys during the melting in induction furnaces. A. I. Rudnaia, N. I. Gaiduchenko, N. A. Romaniuk. Mashinostroenie no. 2: 48-50 Mr-Ap '64.

Method for raising the precision of optical pyrometers. A. V. Kogan. Teplofiz. vys. temp. 1 no. 2:306-309 S-O '63.

PYROPE see subdivision under Cesko Stredohori

PYROPHOSPHATES

Distribution of pyrophosphatases in subcellular fractions of various segments of the nervous system of rabbits [with summary in English]. O. M. Fedorov, A. V. Palladin. Ukr. biokhim. zhur. 35 no. 5:690-699 '63.

PYROXENITE—MAGNETIC PROPERTIES

Age of pyroxenites of the Oktyabrskiy alkali massif [with summary in English]. N. P. Mykhailova. Dop. AN URSR no. 4:460-483 '64.

PYRROLIDINOL

Catalytic synthesis of α-pyrrolidyl- and α-octahydroindolyl 3-alkanols. A. A. Ponomarev, M. V. Noritsina, A. P. Kriven'ko. Dokl. AN SSSR 156 no. 1:102-105 My '64.

PYRROLIZINE

Certain substitution reactions in the 1, 2-dihydropyrrolizine series. A. A. Ponomarev, I. M. Skvortsov, L. N. Astakhova. Dokl. AN SSSR 155 no. 4:861-864 Ap '64.

PYRUVIC ACID

Effect of glyceric and pyruvic acid on the fermentation produced by Lactobacterium delbrueckii. V. N. Shaposhnikov, E. N. Krasil'nikova. Dokl. AN SSSR 156 no. 1: 183-186 My '64.

QUALITY CONTROL

(see also subdivision under Saratov)

Popilov, L. IA. [Preparation of samples for test operations using electrophysical and electrochemical techniques; verbatim report of a lecture] Izgotovlenie obraztsov dlia ispytanii s pomoshch'iu elektrofizicheskikh i elektrokhimicheskikh metodov; stenogramma lektsii. Leningrad, 1963. 46 p. (Leningradskii dom nauchnotekhnicheskoi propagandy. Seriia: Elektrotekhnologicheskie protsessy i ustanovki)

QUALITY CONTROL—CONGRESSES

Conference on the methodological problems of statistical measurement of production quality and reliability. V. S. Vest. stat. no. 5:75-77 '64.

QUANTUM CHEMISTRY

Conference on Advances in Quantum Chemistry, held at Kishinev. N. D. Sokolov. Vest. AN SSSR 34 no. 1: 108-111 Ja '64.

QUANTUM ELECTRODYNAMICS

Dependence of the contour and width of spectral lines on the intensity and frequency of the exciting radiation. P. A. Apanasevich. Opt. i spektr. 16 no. 4:708-709 Ap '64.

Effect of quantum absorption on the bremsstrahlung of ultrarelativistic electrons [with summary in English]. V. M. Galitskii, V. V. IAkimets. Zhur. eksp. i teor. fiz. 46 no. 3:1066-1073 Mr '64.

Quantum oscillations of a cold emission current from metals in a magnetic field [with summary in English]. G. A. Gogadze, F. I. Itskovich, I. O. Kulik. Zhur. eksp. i teor. fiz. 46 no. 3:913-919 Mr '64.

Restriction on the cross section magnitude of the reaction $e^+ + e^- \rightarrow \pi^+ + \pi^-$ due to the analyticity condition [with summary in English]. B. V. Geshkenbein, B. L. Ioffe. Zhur. eksp. i teor. fiz. 46 no. 3:902-904 Mr '64.

Theory of bremsstrahlung and pair production in a medium [with summary in English]. I. N. Toptygin. Zhur. eksp. i teor. fiz. 46 no. 3:851-862 Mr '64.

QUANTUM ELECTRONICS

Averaged Laser equations and their steady-state solutions [with summary in English]. L. A. Ostrovskii, E. I. IAkubovich. Zhur. eksp. i teor. fiz. 46 no. 3:963-969 Mr '64.

Thermoluminescence of activated CaF_2, SrF_2, and BaF_2 single crystals Part. 1. V. A. Arkhangel'skaia. Opt. i spektr. 16 no. 4:628-637 Ap '64.

QUANTUM FIELD THEORY

Analytic properties of Green's function and the mass operator [with summary in English]. S. L. Ginzburg. Zhur. eksp. i teor. fiz. 46 no. 3:905-912 Mr '64.

Asymptotic relations between cross sections in local field theory [with summary in English]. A. A. Logunov and others. Zhur. eksp. i teor. fiz. 46 no. 3:1079-1089 Mr '64.

Polarization of a vacuum by various mesonic fields. M. M. Mirianashvili. Trudy Inst. fiz. AN Gruz. SSR 4: 97-167 '56.

The renormalization group method and high-energy scattering [with summary in English]. K. Huang, F. E. Low. Zhur. eksp. i teor. fiz. 46 no. 3:845-850 Mr '64.

QUANTUM THEORY

Category of "interaction" and Pauli's principle in physics. V. S. Gott, A. F. Peregurin. Vop. filos. 18 no. 3:86-95 '64.

The condensation factor. N. N. Kochurova. Inzh.-fiz. zhur. 7 no. 3:68-72 Mr '64.

Coordinate entropy of steady states of hydrogenlike ions. A. S. Rubanov, L. A. Koziabo. Dokl. AN BSSR 8 no. 3: 150-153 Mr '64.

Detachment of electrons in slow collisions between negative ions and atoms [with summary in English]. IU. N. Demkov. Zhur. eksp. i teor. fiz. 46 no. 3:1126-1135 Mr '64.

Excitation and ionization of atoms in a strong radiation field [with summary in English]. F. V. Bunkin, A. M. Prokhorov. Zhur. eksp. i teor. fiz. 46 no. 3:1090-1097 Mr '64.

Intensification of spin waves by parametric excitation under transient conditions. E. Schlömann. Izv. AN SSSR. Ser. fiz. 28 no. 3:454-461 Mr '64.

Ionicity of the state of the system silicon-oxygen in quartz. R. S. Shaduri. Trudy Inst. fiz. AN Gruz. SSR 4:219-259 '56.

Low energy γ-transitions in Pu^{238} and Pu^{240}. G. G. Akalaev, N. A. Vartanov, P. S. Samoilov. Atom. energ. 16 no. 5:452-453 My '64.

Nonadiabatic transitions in slow collisions of heavy particles [with summary in English]. G. V. Dubrovskii. Zhur. eksp. i teor. fiz. 46 no. 3:863-871 Mr '64.

The principle of restrictions in physics and its connection with the principle of correspondence. S. V. Ilarionov. Vop. filos. 18 no. 3:96-105 '64.

Regge poles and resonance nuclear reactions Part 1 [with summary in English]. V. S. Popov, E. I. Dolinskii. Zhur. eksp. i teor. fiz. 46 no. 3:970-984 Mr '64.

Regge trajectories in the Bethe-Salpeter equation [with summary in English]. IU. A. Simonov. Zhur. eksp. i teor. fiz. 46 no. 3:985-993 Mr '64.

Relaxation and orientation of nuclei. G. R. Khutsishvili. Trudy Inst. fiz. AN Gruz. SSR 4:3-95 '56.

Resonance charge-exchange in slow collisions [with summary in English]. B. M. Smirnov. Zhur. eksp. i teor. fiz. 46 no. 3:1017-1024 Mr '64.

Rydnik, V. I. [What is quantum mechanics] Chto takoe kvantovaia mekhanika. Moskva, Sovetskaia Rossiia, 1963. 218 p.

Some properties of irreversible quantum mechanical processes. F. A. Zhivopistsev. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:8-15 Mr-Ap '64.

Threshold and relaxation phenomena in uniaxial antiferromagnetics. M. I. Kaganov, I. E. Chupis. Izv. AN SSSR. Ser. fiz. 28 no. 4:741-747 Ap '64.

Width of luminescence spectra and Stokes's losses in transitions from fluorescent and phosphorescent levels of aromatic compounds. V. L. Ermolaev. Opt. i spektr. 16 no. 4:704-705 Ap '64.

QUARRIES AND QUARRYING see subdivision under White Russia

QUARRIES AND QUARRYING—EQUIPMENT AND SUPPLIES

Mechanized quarrying of limestone. N. A. Vasil'kovskii, A. I. Ushakov. Mekh. i avtom. proizv. 18 no. 5:28-29 My '64.

QUARTZ

(see also subdivision under Krivoy Rog Basin)

Burning mixes containing coarse-grained quartz. M. M. Sychev, M. A. Astakhova. Trudy Giprotsement no. 26: 19-28 '63.

Effect of the composition of the initial mixture on the kinetics of interaction of $Ca(OH)_2$ with quartz under conditions of hydrothermal treatment. L. N. Rashkovich, V. P. Varlamov, N. K. Sudina. Dokl. AN SSSR 156 no. 3:685-688 '64.

Ionicity of the state of the system silicon-oxygen in quartz. R. S. Shaduri. Trudy Inst. fiz. AN Gruz. SSR 4:219-259 '56.

Substitution of foraminifers for quartz and feldspar at early stages of metamorphism. N. P. Malakhova. Dokl. AN SSSR 155 no. 2:361-363 Mr '64.

QUARTZ—ELECTRIC PROPERTIES

Changes in the ζ -potential of quartz in the presence of modifying agents and a cation collector. A. N. Dolzhenkova, G. S. Strel'tsyn. Trudy Mekhanobr no. 131:24-42 '62.

QUEEN MAUD LAND—GEOLOGICAL TIME

Comparative data on the absolute age of rocks in the Queen Maud Land (Antarctic). S. Deich and others. Dokl. AN SSSR 156 no. 3:554-557 '64.

QUEEN MAUD LAND—ROCKS

Comparative data on the absolute age of rocks in the Queen Maud Land (Antarctic). S. Deich and others. Dokl. AN SSSR 156 no. 3:554-557 '64.

QUERCETIN

Determination of zirconium in titanium and iron-containing ores with quercetin. I. P. Alimarin, A. P. Golovina, L. A. Teniakova. Metod. anal. khim. reak. i prepar. no. 4:128-130 '62.

Effect of iron concentration on the flavin synthesis in Nocardia erythropolis. V. N. Shaposhnikov, T. V. Finogenova. Dokl. AN SSSR 156 no. 3:692-694 '64.

QUINACRINE

Treatment of warts with acrichine. V. P. Zharkov. Zdrav. Kazakh. 22 no. 10:68-69 '62.

QUINCE see subdivision under Lenkoran Lowland

QUINOLINE

Determination of zinc in acids and potassium-sodium tartrate with 8-(p-toluenesulfonylamino)-quinoline. E. A. Bozhevol'nov, G. V. Serebriakova. Metod. anal. khim. reak. i prepar. no. 4:120-125 '62.

Determination of zinc in iron minerals with 8-(p-toluenesulfonylamino)-quinoline. D. P. Shcherbov, V. V. Kolmogorova. Metod. anal. khim. reak. i prepar. no. 4:125-128 '62.

4-Phenyl-8-aminoquinoline. A. A. Bylinkina, N. P. D'iakova. Metod. poluch. khim. reak. i prepar. no. 6:50-51 '62.

4-Phenyl-8-nitroquinoline. S. A. Kochetkova, A. A. Bylinkina, N. P. D'iakova. Metod. poluch. khim. reak. i prepar. no. 6:48-50 '62.

Use of dry quinosol medium for the microbiological diagnosis of diphtheria. G. G. Ezhova. Lab. delo no. 3:168-169 '64.

QUINOLINESULFONIC ACID

Azoxines. A. I. Busev, L. L. Talipova. Metod. poluch. khim. reak. i prepar. no. 6:35-40 '62.

QUINOLINETHIOL

Study of 8-mercaptoquinoline (thiooxine) and its derivatives. Report No. 29: Use of thiooxine for the extractive purification of reagents by removing heavy metal impurities [with summary in English]. IU. A. Bankovskii, L. M. Chera, A. F. Ievinsh. Zhur. anal. khim. 19 no. 1:48-53 '64.

QUINOLINOL

Determination of aluminum with hydroxyquinoline in metallic rhenium. V. M. Vladimirova, N. K. Davidovich. Metod. anal. khim. reak. i prepar. no. 4:59-62 '62.

Magnesium 8-hydroxyquinolinate. E. IA. IArovenko, T. N. Rychkova. Metod. poluch. khim. reak. i prepar. no. 6:54-55 '62.

7-(2-pyridylazo)-8-hydroxyquinoline. A. I. Busev, V. M. Ivanov, L. L. Talipova. Metod. poluch. khim. reak. i prepar. no. 6:40-42 '62.

QUINOLIZINE

Certain problems involved in the stereochemistry of quinolizidine alkaloids. A. S. Sadykov, A. I. Ishbaev, Kh. A. Aslanov. Dokl. AN SSSR 155 no. 4:865-867 Ap '64.

QUINONES

Kinetics and mechanism of the catalytic reduction of quinones by carbon monoxide in solutions. A. B. Fasman, V. A. Golodov, D. V. Sokol'skii. Dokl. AN SSSR 155 no. 2:434-437 Mr '64.

Redox potentials and electron- and ion-exchange properties of some polyarylene quinones. A. V. Ragimov, B. I. Liogon'kii, A. A. Berlin. Izv. AN SSSR. Ser. khim. no. 4:593-600 Ap '64.

RABBITS

Studying the physicochemical changes occurring in rabbit meat kept at various temperatures. A. I. Zolotousova. Trudy Stavr. sel'khoz. inst. no. 11:161-166 '62.

RABIES see subdivision under Dnepropetrovsk Province

RABIES—PREVENTIVE INOCULATION

Revaccination against rabies [with summary in English]. L. P. Gorshunova. Zhur. mikrobiol., epid. i immun. 40 no. 4:123-127 Ap '63.

RABINOVICH, MARK SOLOMONOVICH, 1892-

Professor M. S. Rabinovich; on his 70th birthday. Khirurgiia 39 no. 6:146 Je '63.

RABOTNOV, IURII NIKOLAEVICH, 1914-

IUrii Nikolaevich Rabotnov; on the occasion of his 50th birthday. Izv. AN SSSR. Mekh. i mashinostr. no. 2:3-8 Mr-Ap '64.

RADAR

Okun', E. L. [Radio transmitting devices] Radioperedaiushchie ustroistva. Izd. 2., perer. i dop. Leningrad, Sudostroenie, 1964. 539 p.

RADAR IN ASTRONOMY

Investigating the properties of upper atmosphere by means of radio observations of meteors. B. L. Kashcheev. Meteory; sbor. st. no. 2/3:43-54 '63.

Measurements of drifts of ionization homogeneities in the atmospheric E-layer with simultaneous determination of the polarization of reflected radiowaves. B. L. Kashcheev, V. I. Taran. Meteory; sbor. st. no. 2/3: 37-42 '63.

Methods and errors in the determination of orbits of meteors by radar. M. F. Lagutin. Meteory; sbor. st. no. 2/3:12-21 '63.

Radar contact with Jupiter. V. A. Kotel'nikov and others. Dokl. AN SSSR 155 no. 5:1037-1038 Ap '64.

Radar contacts with the planets. V. A. Kotel'nikov. Vest. AN SSSR 34 no. 2:39-43 F '64.

RADAR IN NAVIGATION

Determining the turning circle of a vessel by the photography of a radar screen. A. G. Gamov. Sudovozhdenie no. 3:94-96 '63.

Effect of rough seas on radar visibility. N. F. Bulanov. Sudovozhdenie no. 3:90-93 '63.

Improve the maintenance of marine radar stations. A. Potemkin. Mor. flot 23 no. 12:20-22 D '63.

Taking into account the deformations of the Mercator projection in the compilation of radar charts. S. I. Zapasskii. Sudovozhdenie no. 3:73-79 '63.

RADAR IN TRAFFIC CONTROL

Radar on automobile roads. M. E. Gennikh. Avt. dor. 27 no. 3:14-15 Mr '64.

RADIATION

Free valence migration in stabilized olefin radicals under the effect of light. V. T. Tupikov, S. IA. Pshezhetskii. Dokl. AN SSSR 156 no. 1:114-117 My '64.

Maximum efficiency of the conversion of radiant energy into mechanical energy [with summary in English]. L. N. Bell. Zhur. eksp. i teor. fiz. 46 no. 3:1117-1122 Mr '64.

Radiation-induced chlorination of some organochlorosilanes and organopolysiloxanes. R. V. Dzhagatspanian and others. Dokl. AN SSSR 155 no. 5:1163-1166 Ap '64.

Radiation-induced polymerization in the solid phase. Part 1: Polymerization of acrylonitrile [with summary in English]. I. M. Barkalov and others. Vysokom. soed. 6 no. 1:92-97 Ja '64.

Radiation-induced polymerization in the solid phase. Part 2: Polymerization of vinyl acetate. Variations of the temperature dependence of the polymerization rate. [with summary in English]. I. M. Barkalov and others Vysokom. soed. 6 no. 1:98-102 Ja '64.

RADIATION—MEASUREMENT

Calculating streams of escaping long-wave radiation by means of the data obtained from the artificial earth satellite. M. E. Shvets. Kosm. issl. 2 no. 2:272-275 Mr-Ap '64.

Some problems in the interpretation of the measurement of radiation from satellites. M. S. Malkevich. Kosm. issl. 2 no. 2:246-265 Mr-Ap '64.

RADIATION—PHYSIOLOGICAL EFFECT

Change in the radiosensitivity of nerve tissue under the effect of arsenic compounds. P. F. Minaev and others. Dokl. AN SSSR 155 no. 5:1209-1211 Ap '64.

Cherkasova, L. S., ed. [Biochemistry of small doses of ionizing radiation] Biokhimiia malykh doz ioniziruiushchei radiatsii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 164 p.

[Collection of abstracts on radiation medicine for 1957] Sbornik referatov po radiatsionnoi meditsine za 1957 god. [Moskva] Medgiz,
Vol. 1. 1959. 202 p.

Effect of ionizing radiation on the stability of the hemoglobin of preserved blood. L. S. Bova. Med. rad. 8 no. 5:75-77 My '63.

Effect of sodium gallate on the nucleic acid content of the organs of healthy and irradiated rats [with summary in English]. V. A. Barabol, S. P. Matsui. Ukr. biokhim. zhur. 35 no. 1:84-91 '63.

Effect of total ionizing irradiation on the plasmalogen content of the brain [with summary in English]. M. N. Baryshnikova. Ukr. biokhim. zhur. 35 no. 1:99-103 '63.

Effect of vasomotor substances on the vessels of frogs in relation to the dose and the time of influence of external ionizing radiation. A. A. Nikulin. Nauch. trudy Riaz. med. inst. 15:100-113 '62.

Mechanism of the accelerated development of radiation cataracts caused by puncturing the irradiated crystalline lens. V. V. Popov and others. Dokl. AN SSSR 155 no. 4:940-943 Ap '64.

New method of determining desoxycytidine in rat urine. O. I. Tereshchenko. Lab. delo no. 5:292-296 '64.

Stability of functionally inhomogeneous parts of DNA in relation to ionizing radiation. G. E. Fradkin. Dokl. AN SSSR 155 no. 2:457-460 Mr '64.

Study of early radiation effect by changes in the intensity of secondary fluorescence in lymphocytes. R. I. Pinto. TSitologiia 5 no. 3:295-302 My-Je '63.

RADIATION—SAFETY MEASURES

Minimum permissible distances from packages in transit containing radioactive substances. Atom. energ. 16 no. 4:386-387 Ap '64.

Organization of work procedures in radiological departments [with summary in English]. I. P. Mashkov. Med. rad. 8 no. 5:50-54 My '63.

Protection from war gas and radioactive substances at night. M. Pil'chevskii. Voen. vest. no. 3:47 Mr '64.

Radiation load of medical personnel working with Au^{139} granules in a neuro-oncological clinic [with summary in English]. A. A. Volkov and others. Med rad. 8 no. 5:39-43 My '63.

RADIATION—SCATTERING

Radiation diffusion in a plane layer of large optical thickness. V. V. Sobolev. Dokl. AN SSSR 155 no. 2: 316-319 Mr '64.

RADIATION LOGGING (OIL WELLS) see Oil well logging, Radiation

RADIATION–PROTECTIVE AGENTS

Effect of the inhibitors of free-radical processes on irradiated yeast cells. IU. P. Kozlov, A. I. Gorin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:91-93 '64.

Inclusion of C^{14}-β-mercaptopropylamine into the proteins of isolated microsomes, nuclei and mitochondria of the liver of mice. E. F. Romantsev, G. V. Kalistratov. Dokl. AN SSSR 156 no. 1:200-202 My '64.

Interaction of biogenic amines in the mechanism of the protection from the effect of ionizing radiation by histamine. S. IA. Rapoport, E. I. Krichevskaia, S. R. Subkovai. Dokl. AN SSSR 155 no. 5:1198-1200 Ap '64.

Protective and therapeutic effect of the synergistic combination of effective substances on the outcome of radiation sickness in animals. A. M. Stashkov, V. P. Korotkova. Med. rad. 8 no. 5:79-82 My '63.

Rogozkin, V. D., B. P. Belousov, and N. K. Evseeva. [Radiation-protective effect of cyanides; amygdalin] Radiozashchitnoe deistvie tsianistykh soedinenii; amigdalin. Pod red. P. D. Gorizontova. Moskva, Medgiz, 1963. 131 p.

RADIATION SICKNESS

Blood supply of transplanted skin flaps in acute (experimental) radiation injury. V. S. Dmitrieva. Trudy TSIU 64:134-142 '63.

Changes in the capacity of tissues of irradiated animals to destroy microbial toxins [with summary in English]. P. N. Kiselev, V. N. Sivertseva. Med. rad. 8 no. 5:33-39 My '63.

Characteristics of the course of radiation sickness in mice subjected to treatment with bone marrow and immunization. O. P. Lebedeva, N. A. Maksimovich. Dokl. AN SSSR 155 no. 2:454-456 Mr '64.

Clinical aspects of lesions of the larynx in a patient exposed to the action of ionizing radiation and the first treatment of the sequelae of this injury [with summary in English]. A. I. IUnina. Zhur. ush., nos. i gorl. bol. 23 no. 6:36-41 N-D '63.

Compound therapy of an associated purulent infection against a background of previous radiocobalt gamma-ray irradiation [with summary in English]. A. K. Churbanova. Zhur. mikrobiol., epid. i immun. 40 no. 4: 78-82 Ap '63.

Data on the toxicology of radioactive iodine [with summary in English]. P. P. Saksonov, G. F. Fakhrutdinov. Med. rad. 8 no. 5:29-32 My '63.

Dynamics of lysozyme titer changes in guinea pigs under the action of ionizing radiation. A. G. Goriunova. Med rad. 8 no. 5:77-79 My '63.

Effect of removal of the superior cervical sympathetic ganglion on healing wounds in acute (experimental) radiation injury. V. S. Dmitrieva. Trudy TSIU 64:143-150 '63.

External pancreatic secretions in response to humoral stimuli in acute radiation sickness [with summary in English]. E. K. Kuznetsova. Med. rad. 8 no. 5:23-29 My '63.

Functional characteristics of the course [illegible] radiation sickness. V. A. Suvorov and [illegible] khir. i anest. 8 no. 4:10-12 Jl-Ag '63.

Kraevskii, N. A., and A. V. Lebedinskii, eds. [illegible] tive processes in radiation lesions; collection of articles] Vosstanovitel'nye protsessy pri [illegible] porazheniiakh; sbornik statei. Moskva, [illegible] 1964. 243 p.

Morphological changes in the process of [illegible] of the maxillofacial region in acute [illegible] tion injury. V. S. Dmitrieva. Trudy TSIU [illegible] '63.

Pathomorphology of the receptor apparatus [illegible] and the aortal arch in acute experimental [illegible] ness in dogs. G. M. Nikolaev. Sbor. nauch. [illegible] med. inst. no. 18:160-172 '59.

Polarographic activity of serum proteins [illegible] radiation sickness and the preventive [illegible] propyl gallate [with summary in English]. [illegible] Barabol, S. A. Bershtein. Ukr. biokhim. [illegible] 32-39 '62.

Protective and therapeutic effect of the synerg[illegible] bination of effective substances on the [illegible] tion sickness in animals. A. M. Stashkov, [illegible] va. Med. rad. 8 no. 5:79-82 My '63.

State of the secretory function of the intestine [illegible] in experimental radiation sickness after [illegible] of different diets [with summary in English] [illegible] Nesterin. Vop. pit. 21 no. 6:27-33 N-[illegible]

Use of antibiotics of the tetracycline series in [illegible] mental radiation sickness. A. M. [illegible] va. Antibiotiki 8 no. 8:723-720 Ag '63.

RADIATION STERILIZATION

Inhibition of oxidation processes occurring in [illegible] of fatty acids and in fat pork under the action [illegible] radiation. V. I. Piul'skaia. Trudy VNIIMP [illegible] 94 '62.

Zhogova, V. M. [Problems of radiation mi[illegible] the sanitary protection of waters] Voprosy [illegible] noi mikrobiologii v sanitarnoi okhrane vod[illegible] skva, Meditsina, 1964. 156 p.

RADIATORS

Use of radiators in boiling and condensing [illegible] tubes. B. A. Minkus and others. Izv. vys. [illegible] energ. 7 no. 4:104-106 Ap '64.

RADIATORS—DESIGN AND CONSTRUCTION

Russia (1923- U.S.S.R.) Gosudarstvennyi [illegible] delam stroitel'stva. [Provisional technical [illegible] tions for designing, assembling, and operating [illegible] heating systems with steel stamped and weld[illegible] radiators with rear connections. Approved by [illegible] Committee on Construction September 12, 1963] [illegible] mennye tekhnicheskie usloviia na proektirovanie, [illegible] tazh i ekspluatatsiiu sistem tsentral'nogo [illegible] stal'nymi shtampovannymi svarnymi radiator[illegible] nogo tipa s tyl'nym podkliucheniem (SN 258-63). [illegible] deny Gosudarstvennym komitetom po delam [illegible] stva SSSR 12 sentiabria 1963 g. Moskva, [illegible] 1964. 15 p.

RADICALS (CHEMISTRY)

Cyclic polymerization and copolymerization. Part [illegible] Radical polymerization of substituted divinyl [illegible] [with summary in English]. M. G. Avetian and others. Vysokom. soed. 6 no. 1:3-9 Ja '64.

Effect of the inhibitors of free-radical processes [illegible] irradiated yeast cells. IU. P. Kozlov, A. I. Gorin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:91-[illegible]

Excitation by fast electrons of the triplet states of naphthalene molecules in solid solutions. M. V. A[illegible] and others. Dokl. AN SSSR 156 no. 3:630-633 '64.

Free radical reactions in the interaction of oxygen [illegible] irradiated potassium palmitate. A. A. Revina, N. A. Bakh. Dokl. AN SSSR 155 no. 2:410-413 Mr '64.

Free-radical states of some antibiotics. IU. P. K[illegible], A. Kh. Tambiev, G. A. Taranenko. Dokl. AN SSSR [illegible] no. 3:718-720 Ja '64.

Free valence migration in stabilized olefin radicals [illegible] the effect of light. V. T. Tupikov, S. IA. Pshezhetskii. Dokl. AN SSSR 156 no. 1:114-117 My '64.

Reactivity of hydrocarbons and their derivatives in the polyrecombination reaction. S. L. Sosin, V. V. K[illegible], D. G. Val'kovskii. Dokl. AN SSSR 155 no. 2:376-[illegible] Mr '64.

Steric factors and rate constants of recombination reactions of alkyl radicals. V. A. Ulitskii, A. D. St[illegible] Zhur. fiz. khim. 37 no. 3:689-691 Mr '63.

RADICALS (CHEMISTRY)—SPECTRA

Electron maramagnetic resonance of meta-substituted α-, α-diphenyl-β-picrylhydrazyl. IU. M. Ryzhmanov and others. Dokl. AN SSSR 156 no. 1:106-109 My '64.

RADIO

Gonorovskii, I. S. [Radio circuits and signals] Radiotekhnicheskie tsepi i signaly. Moskva, Sovetskoe radio, 1963. 694 p.

RADIO (Continued)

Gorokhov, S. F. [Nonlinear and parametric processes] Nelineinye i parametricheskie protsessy. Moskva, Redaktsionno-izdatel'skii otdel VZEIS.

No. 2. [A manual for the course "Theoretical principles of radio engineering" for students of the fourth course of radio engineering departments] Uchebnoe posobie po kursu "Teoreticheskie osnovy radiotekhnike" dlia studentov 4 kursa radiotekhnicheskikh fakul'tetov. 1963. 87 p. (Lektsii po tekhnike sviazi)

Passage of a random process through an inertialess logarithmic de~~vieh~~. L. E. Kopilovich. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:112-117 Ja-F '64.

Problems affecting the development of radio engineering and electronics. V. I. Siforov. Vest. AN SSSR 34 no. 2:70-73 F '64.

[Radio electronics abroad] Zarub. radioelek. no. 5 My '64.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 5 My '64. Avtorskii ukazatel' za 1963 g.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—EQUIPMENT AND SUPPLIES

Erecting a 235m. radio mast. I. F. Medvedev, I. A. Mal'tsev. Mont. i spets. rab. v stroi. 26 no. 4:11-13 Ap '64.

Rabinovich, A. G. [Adjustment of radio systems] Regulirovka radiotekhnicheskikh ustroistv. Leningrad, Sudostroenie, 1964. 218 p.

Spare parts for transmitter-receiver units. D. I. Selin, I. M. Khodusov, A. M. Rudykh. Avtom. telem. i sviaz' 8 no. 3:41-42 Mr '64.

RADIO—RECEIVERS AND RECEPTION

Accuracy of the measurement of the parameters of a radio signal taking into account the time of the passage of a given level by the output signal of an optimal receiver. E. I. Kulikov. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:117-121 Ja-F '64.

Probability density at the input of a multiplier with correlation reception. P. A. Gerastovskii. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:91-96 Ja-F '64.

RADIO—TRANSMITTERS AND TRANSMISSION

Okun', E. L. [Radio transmitting devices] Radioperedaiushchie ustroistva. Izd. 2., perer. i dop. Leningrad, Sudostroenie, 1964. 539 p.

Transistor voltage converter for radio transmitters. I. A. Sarser. Sbor. luch. rats. predl. pt. 2:69-71 '63.

RADIO, MILITARY

From the history of military radio communications. V. Zvenigorodskii, S. Mamotko. Voen.-ist. zhur. 6 no. 4:103-106 Ap '64.

Levit, N. B., and V. K. Podgainyi. [Automatic control] Avtomatika. Moskva, Voenizdat, 1964. 400 p.

Work at night according to daytime norms. I. Lebedev. Voen. vest. no. 3:100-101 Mr '64.

RADIO ASTRONOMY

Distance to radio galaxy 3C-286. I. S. Shklovskii. Astron. tsir. no. 250:6-7 Jl '63.

Kuz'min, A. D., and A. E. Salomonovich. [Radio astronomy techniques for measuring antenna parameters] Radioastronomicheskie metody izmerenii parametrov antenn. Moskva, Sovetskoe radio, 1964. 183 p.

Modern problems in radio astronomy as discussed at a meeting of the Department of Theoretical and Applied Physics. Vest. AN SSSR 34 no. 2:13-16 F '64.

Radio emission of discrete sources in Orion and Omega in the microwave band. A. D. Kuz'min, A. E. Salomonovich. Astron. tsir. no. 260:1-4 S '63.

Recent data on radio galaxies. I. S. Shklovskii. Vest. AN SSSR 34 no. 2:22-28 F '64.

Some results of radio astronomical research. V. L. Ginsburg. Vest. AN SSSR 34 no. 2:17-21 F '64.

RADIO CIRCUITS

Amplitude limiter using a circuit with controlled attenuation. N. M. Boldyrev. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:121-125 Ja-F '64.

Aizinov, M. M. [Analysis and synthesis of linear radio circuits in transient operation] Analiz i sintez lineinykh radiotekhnicheskikh tsepei v perekhodnom rezhime. Moskva, Izd-vo "Energiia," 1964. 281 p.

Principles of the construction of automatic electron-beam stabilizing systems of receiving and transmitting electron-beam tubes. V. A. Baramidze. Radiotekhnika 19 no. 4:36-45 Ap '64.

RADIO DETECTORS

Amplitude limiter using a circuit with controlled attenuation. N. M. Boldyrev. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:121-125 Ja-F '64.

Sensitivity of a circuit for the direct detection of amplitude fluctuations of microwave generators. M. S. Skabovskii. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1: 97-98 Ja-F '64.

RADIO FILTERS

Passage of a random process through an inertialess logarithmic device. L. E. Kopilovich. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:112-117 Ja-F '64.

RADIO IN NAVIGATION

Automatic switch of sub-bands on a radio receiver. K. Semenov. Mor. flot 23 no. 12:22-23 D '63.

Bykov, V. I. [The Loran pulse-type radio navigation system] Impul'snaia radionavigatsionnaia sistema "Loran." Moskva, Izd-vo "Transport," 1964. 131 p.

RADIO INDUSTRY

Belevtsev, A. T. [Radio equipment manufacture technology] Tekhnologiia proizvodstva radioapparatury. Moskva, Izd-vo "Energiia," 1964. 639 p.

RADIO INDUSTRY—SAFETY REGULATIONS

Saburov, N. IA., and A. I. Shirokov, comps. [Safety engineering rules in effect in the electric equipment and radio industries] Sbornik deistvuiushchikh pravil po tekhnike bezopasnosti v elektrotekhnicheskoi i radiotekhnicheskoi promyshlennosti. Moskva, Izd-vo "Energiia," 1964. 520 p.

RADIO JOURNALISM see subdivision under Shemonaikha District

RADIO LINES

Efimov, I. E. [Radiofrequency transmission lines] Radiochastotnye linii peredachi. Moskva, "Sovetskoe radio," 1964. 599 p.

Grodnev, I. I. [Transmission of electromagnetic energy using directional systems] Peredacha elektromagnitnoi energii po napravliiushchim sistemam. Moskva, Izd-vo "Sviaz'," 1964. 52 p. (Lektsii po tekhnike sviazi)

Transient processes in distributed systems during transmission and shaping of nanosecond impulses. G. V. Glebovich. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:42-50 Ja-F '64.

RADIO MEASUREMENTS

Kuz'min, A. D., and A. E. Salomonovich. [Radio astronomy techniques for measuring antenna parameters] Radioastronomicheskie metody izmerenii parametrov antenn. Moskva, Sovetskoe radio, 1964. 183 p.

Mirskii, G. IA. [Measurement of time intervals] Izmerenie vremennykh intervalov. Moskva, Izd-vo "Energiia," 1964. 71 p. (Massovaia radiobiblioteka, no. 511)

Potential measurement accuracy of single-channel and multichannel signal parameter measuring devices. L. S. Gutkin. Radiotekhnika 19 no. 4:19-27 Ap '64.

RADIOACTIVE FALLOUT

Akademiia nauk SSSR. Okeanograficheskaia komissiia. [Radioactive contamination of seas and oceans] Radioaktivnaia zagriaznennost' morei i okeanov. Moskva, Izd-vo "Nauka," 1964. 223 p.

Rain scavenging of radioactive dust from the atmosphere. K. P. Makhon'ko. Izv. AN SSSR. Ser. geofiz. no. 4:595-603 Ap '64.

RADIOACTIVE PROSPECTING

(see also subdivision under Maritime Territory)

Determination of the correction for radiocontamination of rocks in gamma-ray logging. O. F. Putikov. Zap. LGI 45 no. 2:68-73 '63.

Device for determining the sources in radioactive well logging. IA. O. Broshnivskii. Sbor. luch. rats. predl. pt. 2:40-50 '63.

Reevaluation of coefficients for the quantitative interpretation of gamma-logging and gamma-assaying of uranium ores. V. A. Artsybashev. Zap. LGI 45 no. 2: 61-67 '63.

Remote safety device for placing the neutron source in the logging tool of the STP--NGGK-57 apparatus. IU. A. Parshin, V. I. Koba, A. L. Savenko. Sbor. luch. rats. predl. pt. 2:51-53 '63.

Some remarks concerning the interpretation of gamma-logging diagrams in the study of complex uranium-thorium ores. G. F. Novikov. Zap. LGI 45 no. 2:45-51 '63.

RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS

Absorption of gamma rays in a layer of solid fuel during a gasification process. A. S. Nestrakhov. Izv. AN SSSR. Energ. i transp. no. 2:266-269 Mr-Ap '64.

RADIOACTIVE SUBSTANCES—TOXICOLOGY

[Collection of abstracts on radiation medicine for 1957] Sbornik referatov po radiatsionnoi meditsine za 1957 god. [Moskva] Medgiz.

Vol. 1. 1959. 202 p.

RADIOACTIVE SUBSTANCES—TRANSPORTATION

Second conference on revising the "Instruction concerning safe transportation of radioactive materials." N. I. Leshchinskii. Atom. energ. 16 no. 5:464-465 My '64.

RADIOACTIVE TRACERS

Gas-discharge radiation counters for the diagnosis of tumors in cavities and tissues [with summary in English]. A. I. Filatov. Med. rad. 8 no. 5:65-70 My '63

Incorporation of $4C^{14}$-labeled cholesterol into lipoprotein fractions of the blood serum in atherosclerosis [with summary in English]. A. P. Golikov. Med. rad. 8 no. 5:44-47 My '63.

Study of the motor-evacuatory function of the stomach using radioactive isotopes. B. A. Shlevkov. Med. rad. 8 no. 5:83-88 My '63.

Studying the corrosion of metals and alloys by radioactive tracers. P. L. Gruzin and others. Met. i metalloved. chist. met. no. 4:198-206 '63.

Studying the purification by rectification of methylphenyldichlorosilane with the method of radioactive indicators. A. A. Efremov, IA. D. Zel'venskii. Khim. prom. no. 3: 201-207 Mr '64.

Use of tracers to determine the nature of the forward motion of a working agent in a reservoir. R. E. Jenkins, E. H. Koepf. Neftepron. delo no. 10:44-46 '63.

RADIOACTIVITY

Background of nuclear emulsions used in studying the α-radioactivity of the atmosphere. V. Pocius, J. Tomkus. Trudy AN Lit. SSR. Ser. B no. 1:29-32 '63.

RADIOACTIVITY—MEASUREMENT

Measurement of minute radioactivity values under field conditions. K. A. Kotliarov, L. M. Khitrov. Okeanologiia 4 no. 2:213-222 '64.

Method for calculating the specific activity of water. E. I. Dolgirev. Geofiz. prib. no. 12:93-95 '62.

RADIOBIOLOGICAL RESEARCH

Some conclusions and future development of the radiobiological research in space. N. M. Sisakian and others. Izv. AN SSSR. Ser. biol. no. 3:341-351 My-Je '64.

RADIOBROADCASTING

(see also subdivision under Semipalatinsk)

On the language of radio broadcasts; a stylistic analysis. M. V. Zarva. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 1:53-67 Ja-F '64.

Sokolov, V. N. [Equipment and organization of technical control in radio and television broadcasting and methodology for measuring the quality indices of radiobroadcasting channels] Oborudovanie i organizatsiia raboty tekhnicheskogo kontrolia radioveshchaniia i televideniia i metodika izmereniia kachestvennykh pokazatelei radioveshchatel'nykh traktov. Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 61 p.

[MICROFILM]

RADIOCARBON DATING see subdivision under Siberia

RADIOCHEMISTRY

Radiation-chemical formation of nitric oxide in the system nitrogen - oxygen at high temperatures. M. T. Dmitriev, IU. A. Sorokin. Zhur. prikl. khim. 37 no. 4:727-734 Ap '64.

Study of electrode processes on amalgams by means of radiochemical and electrochemical measurements. Part 1 [with summary in English]. V. V. Losev, G. M. Budov. Zhur. fiz. khim. 37 no. 3:578-585 Mr '63.

RADIOGRAPHY

Use of X-ray structural analysis for the study of urinary calculi. I. A. Florovskii. Lab. delo no. 3:140-141 '64.

RADIOISOTOPES

Radioactive isotopes as means of controlling grain pests. G. Kramarenko, A. Keda. Muk.-elev. prom. 29 no. 10: 14 O '63.

Studying the desalinization effect of horizontal drainage with the use of radioactive isotopes. T. A. Abduragimov. Dokl. TSKHA no. 67:119-126 '63.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

(see also subdivision under Azerbaijan)

Automatic control of loading and unloading of skips with the use of radioactive isotope relays and transducers. K. S. Moiseenko. Ugol' 39 no. 3:45-48 Mr '64.

Diffusion and thermodynamic characteristics of nickel-chromium alloys. G. B. Fedorov, E. A. Smirnov, F. I. Zhomov. Met. i metalloved. chist. met. no. 4:110-121 '63.

Gruzin, P. L., and others. [Use of radioisotopes for the control of the open-hearth process] Primenenie radioaktivnykh izotopov dlia kontrolia domennogo protsessa. Moskva, Atomizdat, 1963. 169 p.

Review of M. I. Gol'dshtein's book "Using radioactive isotopes for the study of a steel ingot." A. A. Zborovskii, E. I. Rabinovich. Stal' 23 no. 3:227-228 Mr '64.

Theory of the radioisotope method of controlling the total content of iron in the pulp. I. N. Plaksin, M. S. Gol'din. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:189-194 '64.

Using radioactive rays in measuring equipment. V. F. Bol'shakov. Inform. sbor. TSNIIMF no. 87. Tekh. ekspl. mor. flota no. 20:107-109 '62.

RADIOLOGISTS—DISEASES AND HYGIENE

Organization of work procedures in radiological departments [with summary in English]. I. P. Mashkov. Med. rad. 8 no. 5:50-54 My '63.

Radiation load of medical personnel working with Au^{139} granules in a neuro-oncological clinic [with summary in English]. A. A. Volkov and others. Med. rad. 8 no. 5:39-43 My '63.

RADIOLOGY, MEDICAL

Leningrad. Leningradskii neirokhirurgicheskii institut. [Betatron and radioactive isotopes in neurooncology; transactions] Betatron i radioaktivnye izotopy v neironkologii; [trudy]. Pod red. V. M. Ugriumova. Leningrad, 1962. 257 p.
(DNLM)

Mezhinstitutskaia konferentsiia molodykh uchenykh, posviashchennaia 46-i godovshchine Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii. [Aktual'nye voprosy klinicheskoi rentgenologii i radiologii; doklady. Current problems of clinical roentgenology and radiology. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1963. 205 p.
(DNLM)

Moscow. TSentral'nyi institut usovershenstvovaniia vrachei. [Problems of medical radiology] Voprosy meditsinskoi radiologii. Moskva, 1962. 260 p.

Radiotelemetric study of the pH in the digestive tract. E. B. Babskii and others. Dokl. AN SSSR 156 no. 1:222-224 My '64.

RADIOMETER

Determining the quality factor of analytic radiometers. B. IA. IUfa. Geofiz. prib. no. 12:82-89 '62.

RADIOMETRY

Application of radiotelemetry in studying the evacuatory function of the stomach. E. B. Babskii and others. Dokl. AN SSSR 156 no. 3:719-720 '64.

Coprecipitation in the system Zn^{2+} - Co^{2+} - $[Hg(SCN)_4]^{2-}$ studied by means of radiometric titration. A. V. Nikolaev, V. A. Grigor'ev. Dokl. AN SSSR 155 no. 4:853-856 Ap '64.

Determination of residual lung volume using radioactive isotopes of xenon [with summary in English]. B. P. Kolesnikov. Med. rad. 8 no. 5:59-62 My '63.

Rectifier for feeding SG-65 and RA-69 automatic gamma radiometers. P. P. Dzhugov, A. P. Sarantsev. Sbor. luch. rats. predl. pt. 2:31 '63.

Roentgenometer determining radiation quality [with summary in English]. V. K. Liapidevskii, R. S. Mil'shtein. Med. rad. 8 no. 5:62-65 My '63.

Use of an electroluminescent matrix screen. V. N. Demidovich, N. S. Levchenia, P. N. Mazin'. Geofiz. prib. no. 12:107-112 '62.

RADIOMETRY—EQUIPMENT AND SUPPLIES

Gas-discharge radiation counters for the diagnosis of tumors in cavities and tissues [with summary in English]. A. I. Filatov. Med. rad. 8 no. 5:65-70 My '63.

Methods of using IFKB cassettes in beta-dosimetry [with summary in English]. M. S. Egorova. Med. rad. 8 no. 5:70-74 My '63.

Scintillation well counter. IU. A. Akatov, V. I. Popov, N. A. Kanevskaia. Med. prom. 17 no. 9:50-53 S '63.

RADIOMETRY—LABORATORY MANUALS

Baranov, V. I., and others. [Laboratory work and problems in radiometry] Laboratornye raboty i zadachi po radiometrii. Moskva, Atomizdat, 1964. 307 p.

RADIOMIMETIC SUBSTANCES

Mechanism of the radiomimetic effect of the oxidized oleic acid on the animal organism. E. N. Goncharenko, IU. B. Kudriashov. Nauch. dokl. vys. shkoly; biol. nauki no. 2:88-90 '64.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOTHERAPY

Histological changes in radiotherapy of neglected forms of rectal cancer [with summary in English]. E. D. Savchenko, M. M. Khrushchov. Med. rad. 8 no. 5:9-16 My '63.

Possibilities of gamma-therapy of pituitary tumors [with summary in English]. M. A. Merkova, L. M. Omel'ianenko, A. A. Klimenko. Med. rad. 8 no. 5:17-20 My '63.

Study of the state of mast cells in the tumor bed and pelvic cellular tissue in preoperative radiotherapy of cancer of the cervix uteri [with summary in English]. G. S. Kolesnikova. Med. rad. 8 no. 5:3-9 My '63.

RADIOTHERAPY—CONGRESSES

All-Union Symposium on Problems in the Radiotherapy of Nonneoplastic Diseases. A. T. Aldanazarov. Zdrav. Kazakh. 22 no. 10:79-80 '62.

RADIOTHERAPY—EQUIPMENT AND SUPPLIES

Hygienic standardization in the design, construction and operation of electron accelerators [with summary in English]. P. I. Moiseitsev. Med. rad. 8 no. 5:54-58 My '63.

RADISHES

Increase in sugar content in radish as a result of the presowing seed treatment. A. M. Kharach. Biul. Glav. bot. sada no. 48:93-94 '63.

RADON

Use of emanation method in studying the structure of zinc oxide and nickelous oxide with added lithium and gallium oxides. M. D. Shibanova, G. M. Zhabrova. Dokl. AN SSSR 155 no. 4:912-915 Ap '64.

RAIKHER, VLADIMIR KONSTANTINOVICH, 1888-

V. K. Raikher; on his 75th birthday. I. G. Vest. LGU 19 no. 5:161 '64.

RAILROAD BRIDGES—DESIGN AND CONSTRUCTION

Novosibirsk. Institut inzhenerov zheleznodorozhnogo transporta. Kafedra "Izyskaniia, proektirovanie i postroika zheleznykh dorog." [Methodological handbook on the calculation of bridge passages] Metodicheskoe posobie k raschetam po mostovomu perekhodu. Pod obshchei red. G. D. Voznesenskogo. Novosibirsk, 1963. 14 p.

RAILROAD ENGINEERING—HYGIENIC ASPECTS see subdivision under Orsha

RAILROADS

(see also subdivision under Caucasus, Northern)

New developments in the engineering operation of railroads in the U. S. S. R. E. V. Afanas'ev. Avtom. telem. i sviaz' 8 no. 3:5-6 Mr '64.

We shall activate all hidden resources for increasing labor productivity. V. D. Buts. Avtom. telem. i sviaz' 8 no. 3:1-4 Mr '64.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur.: Zhel. dor. transp. nos. 5-6 My-Je '64.

RAILROADS—ACCOUNTING

Discussion of the article "Problems of planning and cost accounting in signaling and communication districts." A. V. Frolkin. Avtom. telem. i sviaz' 8 no. 3:44 Mr '64.

Petrokanskii, B. I. [Statistical accounting and the work analysis of a railroad branch] Statisticheskii uchet i analiz raboty otdeleniia dorogi. Moskva, Izd-vo "Transport," 1964. 218 p.

RAILROADS—AUTOMATIC TRAIN CONTROL

Concerning a defect of the electropneumatic valve of the automatic stop. IU. M. Babkin. Elek. i tepl. tiaga 7 no. 12:25-26 D '63.

Kazakov, A. A. [Automatic block system, cab signaling, and automatic stop devices] Avtoblokirovka, avtomaticheskaia lokomotivnaia signalizatsiia i avtostopy. 4. perer. i dop. izd. Moskva, Izd-vo "Transport," 1964. 370 p. diagrs. (insert.)

RAILROADS—BIBLIOGRAPHY see Bibliography—Railroads

RAILROADS—BRAKES

Cause of the faulty operation of the engineer's brake valve. A. T. Namaev. Elek. i tepl. tiaga 8 no. 1:15 Ja '64.

Replies to the inquiries of our readers. Elek. i tepl. tiaga 8 no. 1:37 Ja '64.

Special features in operating the static converters of the electropneumatic brake. N. A. Korchagin, V. F. IAsentsev. Elek. i tepl. tiaga 8 no. 1:33-36 Ja '64.

RAILROADS—CARS

IUsim, V. I., A. D. Rakhman, and D. N. Modylevskii. [Steam-turbine power trains] Paroturbinnye energopoezda. Moskva, Gosenergoizdat.
Pts. 2-3. IUsim, V. I., ed. 1963. 174 p.

RAILROADS—CARS—VIBRATION

Determining the excitation functions in the study of car vibrations. N. N. Kudriavtsev. Vest. TSNII MPS 23 no. 3:9-13 '64.

Effect of the elements of the central suspension on the lateral vibrations of a passenger car. I. S. Doronin. Vest. TSNII MPS 23 no. 3:13-16 '64.

RAILROADS—COMMUNICATION SYSTEMS

How we have increased the operational reliability of loudspeaker announcing systems. E. P. Fedorov. Avtom. telem. i sviaz' 8 no. 3:36-37 Mr '64.

Procedures in servicing train telephones should be revised. A. V. Kutenko. Avtom. telem. i sviaz' 8 no. 3:43 Mr '64.

We have facilitated the servicing of long-distance communication apparatus. F. M. Kisel', IU. A. Vasil'ev. Avtom. telem. i sviaz' 8 no. 3:34-35 Mr '64.

RAILROADS—CROSSINGS

Laying crossing tracks with four double crossing road switch layouts. A. S. Kuts. Transp. stroi. 13 no. 11:6-8 N '63.

RAILROADS—CURRENT SUPPLY

Moscow. Vsesoiuznyi zaochnyi institut inzhenerov zheleznodorozhnogo transporta. [Schematics of substations without cutouts at the higher-voltage end; manual on courses in "Electric stations and substations" and "Electric stations and traction substations" for students of the fifth course on "Thermal power systems of electric power plants" and "Electrification of railroad transport"] Skhemy podstantsii bez vykliuchatelei na storone vysshego napriazheniia; uchebnoe posobie po distsiplinam "Elektricheskie stantsii i podstantsii" i "Elektricheskie stantsii i tiagovye podstantsii" dlia studentov V kursa spetsial'nostei "Teploenergeticheskie ustanovki elektrostantsii" i "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, 1962. 30 p.

[MICROFILM]

RAILROADS—CURVES AND TURNOUTS

Turovskii, I. IA. [Calculating the straightening of railroad curves] Raschet vypravki zheleznodorozhnykh krivykh. Moskva, Izd-vo "Transport," 1964. 107 p. (Bibliotechka puteitsa)

RAILROADS—DESIGN AND CONSTRUCTION

Construction of the first railroad tunnels in Russia. A. A. Bogorodentskii. Transp. stroi. 13 no. 11:70-72 N '63.

Methodology for determining the number of additional station tracks in case of bunched parallel train sheets. R. Z. Nurmukhamedov. Trudy TASHIIT no. 23:121-127 '62.

Necessary and useful textbook. V. L. Makovskii, I. I. Merinov. Transp. stroi. 13 no. 11:73-76 N '63.

Stagewise opening of crossings. K. A. Kulmenov. Trudy TASHIIT no. 23:110-121 '62.

RAILROADS—EARTHWORK see subdivision under Moldavia

RAILROADS—ELECTRIC EQUIPMENT

One transformer for two track circuits. M. S. Podgaichenko. Avtom. telem. i sviaz' 8 no. 3:42-43 Mr '64.

RAILROADS—ELECTRIFICATION see subdivision under Europe

RAILROADS—ELECTRONIC EQUIPMENT

Spare parts for transmitter-receiver units. D. I. Selin, I. M. Khodusov, A. M. Rudykh. Avtom. telem. i sviaz' 8 no. 3:41-42 Mr '64.

Special features in operating the static converters of the electropneumatic brake. N. A. Korchagin, V. F. IAsentsev. Elek. i tepl. tiaga 8 no. 1:33-36 Ja '64.

RAILROADS—EMPLOYEES

(see also subdivision under Samarkand)

Awarding of signaling and communication workers. Avtom. telem. i sviaz' 8 no. 3:7 Mr '64.

Locomotive crews appear at work without special notice. I. IA. Kurbatov. Elek. i tepl. tiaga 8 no. 1:14-15 Ja '64.

And our new objectives shall also be fulfilled. I. M. Pogorelov. Avtom. telem. i sviaz' 8 no. 3:26-28 Mr '64.

RAILROADS—EQUIPMENT AND SUPPLIES

Automatic control of the leveller as a means for the artificial lengthening of its base. E. E. Nemirovskii. Transp. stroi. 13 no. 11:55-57 N '63.

Distribution of ice supply points in the Central Asia direction of transport. Trudy TASHIIT no. 23:73-80 '62.

RAILROADS—FINANCE

Establishment of norms for the working capital in locomotive depots. B. P. TSarev. Vest. TSNII MPS 23 no. 3:51-54 '64.

RAILROADS—FREIGHT

Effect of the new technical equipment of railroads on the conditions of the organization of through freight routing from the points of loading. Kh. A. Agzamov. Trudy TASHIIT no. 23:47-72 '62.

Efficiency of the use of car interchange points in peat transportation. A. E. Averbukh. Torf. prom. 41 no. 3:17-21 '64.

Fields of application of through freight routing. Kh. A. Agzamov. Trudy TASHIIT no. 23:24-46 '62.

Mechanization of the unloading of frozen bulk load. IU. A. Noskov. Vest. TSNII MPS 23 no. 3:42-46 '64.

Some problems of the efficiency of the utilization of empty car flows for freight transportation. M. D. Gordon. Trudy TASHIIT no. 23:3-15 '62.

RAILROADS—FREIGHT CARS

Effect of the equipment of the freight car fleet with roller bearings on some parameters of the classification humps. U. Tuliaganov. Trudy TASHIIT no. 23:128-133 '62.

Hatch opening device for hopper cars. N. M. Geller. Mekh. i avtom. proizv. 18 no. 4:34-36 Ap '64.

RAILROADS—FREIGHT CARS—MAINTENANCE AND REPAIR

[Handbook on the repair of freight cars] Spravochnik po remontu gruzovykh vagonov. Izd. 2., perer. i dop. Moskva, Transport, 1964. 489 p.

RAILROADS—FUEL

Bugaets, T. A., and V. L. Vil'chinskii. [Handbook on fuel and fuel storage facilities on railroads] Spravochnik po toplivu i toplivno-skladskomu khoziaistvu zheleznykh dorog. Izd. 2., dop. Moskva, Izd-vo "Transport," 1964. 518 p.

RAILROADS—HUMP YARDS

Effect of the equipment of the freight car fleet with roller bearings on some parameters of the classification humps. U. Tuliaganov. Trudy TASHIIT no. 23:128-133 '62.

Something can be learned from this. A. G. Khivrenko. Avtom. telem. i sviaz' 8 no. 3:29-30 Mr '64.

RAILROADS—MANAGEMENT

Automation of the calculation of the effective traffic capacity of railroads by the sections. M. S. Grishin. Vest. TSNII MPS 23 no. 3:55-59 '64.

Determining the speed indices of the completed train sheet. K. A. Kulmanov. Trudy TASHIIT no. 23:99-109 '62.

Effect of the new technical equipment of railroads on the conditions of the organization of through freight routing from the points of loading. Kh. A. Agzamov. Trudy TASHIIT no. 23:47-72 '62.

Fields of application of through freight routing. Kh. A. Agzamov. Trudy TASHIIT no. 23:24-46 '62.

Realistic method to achieve savings. N. N. Kamenev, N. A. Drozdov. Elek. i tepl. tiaga 7 no. 12:18-20 D '63.

RAILROADS—RAILS

Economy of 25 rail meters in the construction of rail cuts for switch layouts. Kh. IU. Shazzo. Transp. stroi. 13 no. 11:9-10 N '63.

RAILROADS—REPAIR SHOPS see subdivision under Chu

RAILROADS—ROLLING STOCK

Evaluating the dynamic action of the underframes of the rolling stock on the track. M. A. Frishman, A. G. Polevichenko. Vest. TSNII MPS 23 no. 3:3-8 '64.

Selecting the angle of the ascent grade of the floor of tower and bridge car dumpers. G. K. Senderov, I. M. Martynov, N. G. Ivanova. Vest. TSNII MPS 23 no. 3: 39-41 '64.

Stability of the straight-line motion of rail vehicles. A. B. Survillo. Vest. TSNII MPS 23 no. 3:16-17 '64.

RAILROADS—SANITATION see subdivision under Semipalatinsk Province

RAILROADS—SIGNALING
(see also subdivision under Germany, West)

Detection time of constant color signal lights with daylight level of background light intensity. V. G. Rachkova. Svetotekhnika 10 no. 4:15-17 Ap '64.

New elements of a. c. code automatic block system networks, the linking of them with automatic crossing signals. I. P. Zakharov, IU. S. Zhelts. Avtom. telem. i sviaz' 8 no. 3:8-12 Mr '64.

One transformer for two track circuits. M. S. Podgaichenko. Avtom. telem. i sviaz' 8 no. 3:42-43 Mr '64.

Operation of ShchBP1 power supply units of single-rail track circuits. A. P. Razgonov. Avtom. telem. i sviaz' 8 no. 3:31-33 Mr '64.

RAILROADS—SIGNALING—BLOCK SYSTEM

Kazakov, A. A. [Automatic block system, cab signaling, and automatic stop devices] Avtoblokirovka, avtomaticheskaia lokomotivnaia signalizatsiia i avtostopy. 4. perer. i dop. izd. Moskva, Izd-vo "Transport," 1964. 370 p. diagrs. (insert.)

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Continuous method of constructing high-voltage signal lines with automatic blocking. P. F. Golovan'. Transp. stroi. 13 no. 11:13-15 N '63.

Distribution station with selective ringing of a centralized traffic control system. L. I. Bukhbinder, L. V. Kotel'nikov. Avtom. telem. i sviaz' 8 no. 3:18-21 Mr '64.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Code interlocking systems (SKTs-TsNII) for large stations. S. B. Karvatskii. Avtom. telem. i sviaz' 8 no. 3:13-17 Mr '64.

RAILROADS—SWITCHES

A cover instead of a casing. K. G. Khivrenko. Avtom. telem. i sviaz' 8 no. 3:30 Mr '64.

Economy of 25 rail meters in the construction of rail cuts for switch layouts. Kh. IU. Shazzo. Transp. stroi. 13 no. 11:9-10 N '63.

Laying crossing tracks with four double crossing road switch layouts. A. S. Kuts. Transp. stroi. 13 no. 11: 6-8 N '63.

Universal system of switches with curvolinear points and frogs. IU. TS. Glokman. Vest. TSNII MPS 23 no. 3:30-35 '64.

RAILROADS—TIES see subdivision under Great Britain

RAILROADS—TIES, CONCRETE

Technology of laying a continuous track with reinforced concrete cross-ties at new building sites. V. IA. Shul'ga. Transp. stroi. 13 no. 11:37-40 N '63.

RAILROADS—TRACK

Evaluating the dynamic action of the underframes of the rolling stock on the track. M. A. Frishman, A. G. Polevichenko. Vest. TSNII MPS 23 no. 3:3-8 '64.

Railroads with 1524mm tracks for industrial enterprises. Design specifications. Biul. stroi. tekh. 20 no. 11:7 N '63.

Technology of laying a continuous track with reinforced concrete cross-ties at new building sites. V. IA. Shul'ga. Transp. stroi. 13 no. 11:37-40 N '63.

Uliuev, D. I. [Manual for a track worker] Posobie putevomu rabochemu. Moskva, Transzheldorizdat, 1963. 322 p.

RAILROADS—TRACK—DESIGN AND CONSTRUCTION

Construction of a roadbed under a continuous rail track on the Bataysk-Starominskaya line. V. D. Maliuta. Transp. stroi. 13 no. 11:4-6 N '63.

RAILROADS—TRAFFIC

Methodology for the calculation of the traffic capacity and selection of the train sheet in case of odd numbers of train traffic. A. V. Nevzorov, M. E. Silanitsa. Trudy TASHIIT no. 23:90-98 '62.

RAILROADS—TRAIN DISPATCHING

Selecting the optimum route for complex trackage systems. V. I. Gritsenko. Vest. TSNII MPS 23 no. 3:60-64 '64.

RAILROADS—YARDS

Calculation and design of yards of special profile. A. M. Kornakov. Transp. stroi. 13 no. 11:40-45 N '63.

RAILROADS, INDUSTRIAL—TRACK

Upper structure of tracks made of precast reinforced concrete panels without ties or ballast, for special heavy trains from metallurgical plants. I. K. IAnchuk. Stal' 23 no. 3:284-286 Mr '64.

RAILROADS, NARROW-GAUGE—TRACK

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Efficient kinds of track structures of narrow-gauge railroads (750 mm. gauge)] Ratsional'nye tipy verkhnego stroeniia puti zheleznykh dorog (kolei 750 mm). Moskva, Izd-vo "Transport," 1964. 148 p. (Its Trudy, vol. 271)

RAILROADS, SINGLE-RAIL see subdivision under Turin

RAILROADS, SUSPENDED

Studying the dynamics of an electrified suspended monorail. S. E. Markarian. Trudy Arm. NIIMESKH no. 1: 181-196 '63.

RAIN-WATER (WATER-SUPPLY)

Determining the design discharge of rain water. L. Kh. Maksimov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:157-160 '63.

RAKHMANOV, ALEKSANDR NIKOLAEVICH, 1861-1926

A. N. Rakhmanov; on the 100th anniversary of his birth. S. G. Lipmanovich. Vop. okh. mat. i det. 7 no. 6:84-86 Je '62.

RAMAN EFFECT

Composition and equilibrium in the system H_2SO_4 - H_2O [with summary in English]. N. G. Zarakhani, M. I. Vinnik. Zhur. fiz. khim. 37 no. 3:503-509 Mr '63.

Electron interaction of allyl derivatives of elements of the IV group [with summary in English]. V. A. Kupriievich, IU. P. IEhorov, H. H. Diadiusha. Dop. AN URSR no. 4:508-510 '64.

RAMENSKOYE (MOSCOW PROVINCE)—SCHOOL LIBRARIES

Pride of the school. V. Vorob'eva. Nar. obr. no. 5:65-66 My '64.

RAMS

Amputation of pathologically twisted horns in Soviet Merino rams. V. L. Kupchinskii. Trudy Stavr. sel'khoz. inst. no. 11:152-160 '62.

RANDOM PROCESSES

Applying the theory of random processes to the determination of regularities in the separation of loose mixtures. E. A. Nepomniashchii. Trudy VNIIZ no. 42:47-56 '63.

RARE BOOKS—BIBLIOGRAPHY see Bibliography—Rare Books

RARE-EARTH ALLOYS

Crystalline structures of RIn_3 compounds in rare-earth metal - indium systems. IU. B. Kuz'ma, V. IA. Markiv. Kristallografiia 9 no. 2:279-280 Mr-Ap '64.

RARE-EARTH METALS

Study of the correlation between lanthanides in rocks. D. A. Mineev. Dokl. AN SSSR 154 no. 3:615-618 Ja '64.

RARE-EARTH METALS—MAGNETIC PROPERTIES

Effect of hydrostatic pressure on the degree of magnetization of rare-earth metals. L. I. Vinokurova, E. I. Kondorskii. Izv. AN SSSR. Ser. fiz. 28 no. 3:537-539 Mr '64.

Effect of the magnetic order on the electric and galvanomagnetic properties of rare-earth metals. N. V. Vol'kenshtein, G. V. Fedorov, V. E. Startsev. Izv. AN SSSR. Ser. fiz. 28 no. 3:540-544 Mr '64.

Magnetoelastic properties of rare-earth ferromagnetics. K. P. Belov and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:519-528 Mr '64.

RARE EARTHS

Use of compositions from rare earths and rare-earth metals in the manufacture of glass and ceramic articles. I. I. Moroz, M. H. Sivchykova, T. F. Filipenko. Leh. prom. no. 4:62-68 O-D '63.

RARE EARTHS—ANALYSES

Neutron-adsorption analysis of rare earths and mercury. V. I. Bakulin. Geofiz. prib. no. 12:96-106 '62.

RARE GASES see Gases, Rare

RAYNAUD'S DISEASE

Clinical manifestations of cryoglobulinemia. G. E. Shinskii. Vest. derm. i ven. 37 no. 4:32-36 Ap '63.

RAYON

Effect of modifiers on the formation of the supermolecular structure of viscose fibers. A. I. Meos, M. N. Vishniakova, M. Dumitriu. Khim. volok. no. 2:43-48 '64.

Effect of the derivatives of dithiocarbamic acid on the formation process and properties of viscose cord fibers. V. I. Maiboroda, T. A. Finkel'shtein, L. P. Goriachko. Khim. volok. no. 2:49-51 '64.

Increase the production of spun viscose. E. P. Ivanova. Khim. volok. no. 2:63-65 '64.

Spun acetate fibers from viscous solutions of acetic acid. L. P. Perepechkin, V. A. Troitskaia. Khim. volok. no. 2:55-57 '64.

Usenko, V. A., K. N. Ushakova, and F. F. Bachukina. [Processing of acetate fibers] Pererabotka atsetatnogo volokna. Moskva, Gizlegprom, 1964. 169 p.

RAYON SPINNING

Control of spinning solution level in the deaerator. L. A. Vsevolozhskii, E. N. Marina. Khim. volok. no. 2: 72-73 '64.

READING

Shevelev, N. N. [Elocution in grades 5-8] Vyrazitel'noe chtenie v V-VIII klassakh. Moskva, Izd-vo APN RSFSR, 1961. 100 p. (Pedagogicheskaia biblioteka uchitelia)

REAL PROPERTY—VALUATION

Economic valuation of land used for waterpower construction works [with summary in English]. I. K. Smirnov, Z. S. Marinov, A. G. Santalov. Vest. LGU 19 no. 5:37-46 '64.

REAMERS

Special reamers and cutting conditions for machining short stepped holes. D. D. Remizov. Stan. i instr. 35 no. 4:21-25 Ap '64.

REBATES

The wholesale trade and trade discounts. P. Tikhonov. Sov. torg. 37 no. 4:8-10 Ap '64.

RECEPTORS (NEUROLOGY)

Role of duodenum receptors in the exocrinous function of the pancreas. V. I. Galakhov. Uch. zap. Orlov. gos. ped. inst. 18:111-118 '63.

RECKLINGHAUSEN'S DISEASE see Neurofibromatosis

RECLAMATION OF LAND
(see also subdivision under Kazakhstan; Virgin Territory)

Bourgeois distortion of the role of the CPSU in the conquest of the virgin lands. V. I. Kulikov. Vop. ist. KPSS 8 no. 5:119-126 My '64.

Increase the production of grain. Zemledelie 26 no. 4: 1-2 Ap '64.

The reclamation of virgin lands is a glorious page in our country's history. Part. zhizn' Kazakh. 34 no. 3:3-5 Mr '64.

Vsesoiuznoe obshchestvo pochvovedov. [Fertility and melioration of soils in the U. S. S. R.; reports for the Eighth International Congress of Soil Scientists] Plodorodie i melioratsiia pochv SSSR; doklady k VIII Mezhdunarodnomu kongressu pochvovedov. Moskva, Izd-vo "Nauka," 1964. 233 p.

RECORDING AND REGISTRATION

Mal'tsman, T. B. [Performance, revision, and annulment of recordings of acts concerning civil status] Sovershenie, ispravlenie i annulirovanie zapisei aktov grazhdanskogo sostoianiia. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 102 p.

RECORDING INSTRUMENTS

Improvement of a recording device. A. G. Kutsevolov. Energetik 11 no. 12:17 D '63.

Numerical indicator with an electroluminescent sign dial I. V. Butusov, L. F. Chufriakov. Avtom. i prib. no. 1: 25-27 Ja-Mr '64.

Results of tests of instruments for monitoring the consecutive pumping of petroleum products. A. A. Vargin. Transp. i khran. nefti i nefteprod. no. 2:43-45 '64.

Transfer of data from an AI-100 analyzer onto a recorder S. S. Shushkevich, M. Z. Protasevich. Prib. i tekh. eksp. 9 no. 2:170-171 Mr-Ap '64.

RECTUM

[illegible] collateral efferent lymph flow from the rectum. [illegible] Sbor. nauch. trud. Ivan. gos. med. inst. [illegible]

RECTUM—CANCER

Demin, V.N. [Rational limits of surgery in cancer of [illegible] and the rectum] Ratsional'nye granitsy operatsii pri rake [illegible] i priamoi kishok. [Leningrad] Meditsina, 1964. 266 p. [illegible]

Histological changes in radiotherapy of neglected forms of rectal cancer [with summary in English]. E.D. [illegible], M.M.Khrushchov. Med. rad. 8 no.5:9-16 My '63.

RECTUM—SURGERY

[illegible] of anorectal syndrome in the fourth [illegible]. V.D.[illegible]. Khirurgiia 39 no.6: [illegible]

[illegible] anastomosis following total colectomy [illegible] [with summary in English]. A.N.[illegible]. Khirurgiia 39 no.6:102-105 Je '63.

RECURSIVE FUNCTIONS

[illegible] of nondecreasing general recursive functions. A.M.[illegible]. Dokl. AN SSSR 154 no.3:517-519 Ja '64.

[illegible] estimate of trigonometric sums for recursive functions with nonconstant coefficients. V.I. [illegible]. Dokl. AN SSSR 154 no.3:520-522 Ja '64.

RED CLOVER

Methods of sowing red clover for seed. A.V.Chirkunova. Zemledelie 26 no.4:77 Ap '64.

RED CROSS see subdivision under Vietnam, North; White Russia

RED SEA—OCEANOGRAPHIC RESEARCH

Meeting on the bottom of the Red Sea. A.A.Chernov. Priroda 53 no.2:116-117 '64.

RED SPIDER—EXTERMINATION

Chlorophos, [illegible], and methylmercaptophos in the control of aphids and spider mites on medicinal plants. V.I.Nesterov, N.I.Ostrovskii. Khim. v sel'. khoz. 2 no.2:51-52 F '64.

REDUCTION, CHEMICAL

Kinetics and mechanism of the catalytic reduction of quinones by carbon monoxide in solutions. A.B.Fasman, V.A.Golodov, D.V.Sokol'skii. Dokl. AN SSSR 155 no.2:431-437 Mr '64.

Mechanism of the reduction of carbonyl-containing compounds with diborane solution in tetrahydrofuran. S.L. Ioffe, V.A.Tartakovskii, S.S.Novikov. Izv. AN SSSR. Ser. khim. no.4:622-631 Ap '64.

Stage mechanism underlying the reduction of β-nitrostyrene in an acid medium on Pd black. L.Kh. Freidlin, F.F.Litvin, V.M.Churaina. Dokl. AN SSSR 155 no.5: 1144-1147 Ap '64.

Study of equilibrium conditions in the reduction of manganese ferrite by hydrogen [with summary in English]. B.D.Averbukh and others. Zhur. fiz. khim. 36 no.11:2438-2441 N '62.

REED (BOTANY)
(see also subdivision under White Russia)

The common reed. V.G.Nikolaevskii. Priroda 53 no.3:128 '64.

REED PRODUCTS

Bleached reed pulp is a valuable intermediate product for the manufacture of the absorptive type of paper. M.M.Grinberg and others. Bum. prom. no.1:19 Ja '64.

REFLECTION (OPTICS)

Estimating the intensity of a luminous flux in a confocal elliptic reflector. V.N.TSikunov. Opt. i spektr. 16 no.4:684-687 Ap '64.

Measurement of high reflection coefficients. A.A.Avdeenko and others. Opt. i spektr. 16 no.4:712-713 Ap '64.

REFLEXES

Age characteristics of the oculocardiac reflex. E.N. Kostrubina. Uch. zap. Orlov. gos. ped. inst. 18:101-110 '63.

Change in some reflex reactions during the first attack of rheumatic fever in children. P.P.Khodorova. Nauch. trudy Riaz. med. inst. 14:202-208 '63.

Characteristics of electrical cortical reactions from some interoceptive and exteroceptive fields. I.A. Bulygin, IU.N.Dorozhkin. Dokl. AN BSSR 8 no.1:63-65 Ja '64.

Characteristics of the dynamics of unconditioned interoceptive metabolic reflex in puppies during early ontogenesis. Sh.K.Tagiev, N.D.Ibragimova. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:111-115 '63.

Dynamics of coordinated relations in reflex reactions of antagonistic muscles. L.N.Pankova. Uch. zap. MGPI 169:101-116 '62.

Effect of alteration of the spinal cord on its reflexes. R.A.Kalashnikova. Uch. zap. MGPI 169:127-136 '62.

Effect of potassium and calcium ions on the assimilation of reflex stimulation rhythms in frogs. N.A.Benoeva and others. Nauch. trudy Riaz. med. inst. 15:5-7 '62.

Effect of sodium and magnesium salts on the indices of reflex stimulation and physiological resonance. V.F. Shirokii. Nauch. trudy Riaz. med. inst. 15:178-186 '62.

Effect of the alteration of distant points in the peripheral nervous system on the course of reflexes. S.P. Khramchenkova. Uch. zap. MGPI 169:81-95 '62.

International conference dedicated to the centennial of the publication of I.M.Sechenov's book "Reflexes of the brain." M.S.Zalkind, M.S.Myslobodskii. Izv. AN SSSR. Ser. biol. no.3:474-478 My-Je '64.

Kinesimetric indices of the Achilles tendon reflex in relation to age. E.B.Liubchinskii, L.N.Pines. Zhur. nevr. i psikh. 64 no.3:331-333 '64.

Nature of the course of oculocardiac reflex in adults. E.N.Kostrubina. Uch. zap. Orlov. gos. ped. inst. 18: 93-100 '63.

Participation of the sympathetic system in the establishment of the motor reactions of the spinal cord. R.A. Kalashnikova. Uch. zap. MGPI 169:137-150 '62.

Paths of the transmission of effects on a reflex from a distant altered section. S.P.Khramchenkova. Uch. zap. MGPI 169:97-100 '62.

Remote effect of space flight on the vestibular-tonic and flexor reflexes in guinea pigs [with summary in English]. Z.I. Apanasenko, M.A.Kuznetsova. Izv. AN SSSR. Ser. biol. no.2:214-221 Mr-Ap '63.

Secretion of the parotid gland in an injury of the musculocutaneous analysor. Report No.1: Effect of limited injuries of the cerebral cortex in the region of the musculocutaneous analysor on unconditioned reflex secretion of the parotid gland. R.G.Singatulin. Sbor. nauch. rab. IAr. med. inst. no.20:56-66 '59.

Sergievskii, M.V. [Peripheral, or local, reflexes] Perifericheskie, ili mestnye, refleksy. Moskva, Meditsina, 1964. 198 p.

Skin galvanic reflexes in the dynamics of the development of eczematous reactions. F.N.Nikitin. Nauch. trudy GIDUV no.12:18-40 '57.

Specificity of the effect of nembutal and aminazine on the formation of an unconditioned reflex response of the respiratory and cardioinhibitive centers in interoceptive signalization from the lungs. V.V.IUrov. Nauch. trudy Riaz. med. inst. 15:195-201 '62.

Structure of the reflex arc of the flexor reflex. O.A. Shugurov. Nauch. dokl. vys. shkoly; biol. nauki no.2: 72-75 '64.

REFORESTATION see subdivision under Azerbaijan

REFRACTION, DOUBLE

Orientation of flow birefringence and the kinetic rigidity of chain molecules [with summary in English]. V.N. TSvetkov, V.P.Budtov. Vysokom. soed. 6 no.1:16-21 Ja '64.

REFRACTOMETRY

Refractometric method of determination of the alcohol concentration in pharmaceutical preparations. IA.E. Belilovskii, E.G.Motorkina. Apt. delo 11 no.5:64-66 S-O '62.

Refractometric study of high-temperature phase transitions in $AgNO_3$ and Ag_2SO_4 crystals. IU.I.Vesnin. Kristallografiia 9 no.2:289-292 Mr-Ap '64.

REFRACTORY CONCRETE

Refractory concrete on silicate binding material. N.V. Il'ina, L.I.Skoblo. Trudy Giprotsement no.26:143-161 '63.

REFRACTORY MATERIALS

Causes for the wear and disintegration of protective linings on blast furnace tops. I.M.Galemin. Stal' 23 no.3:210 Mr '64.

Destruction of refractory materials by carbon monoxide [with summary in English]. M.F.Kozins'kyi. Dop. AN URSR no.4:517-519 '64.

Use of electronic heating in determining the heat conductivity coefficient of high-melting alloys and compounds. D.L.Timrot, V.E.Peletskii. Teplofiz. vys. temp. 1 no.2:168-172 S-O '63.

REFRACTORY MATERIALS—STANDARDS

Refractory articles for marine boilers. V.L.Bulakh. Standartizatsiia 28 no.3:47-48 Mr '64.

REFRACTORY MATERIALS—TABLES, CALCULATIONS, ETC.

Belukha, P.G., and F.S.Selenkov. [Tables for the calculation of mold sizes for the manufacture of refractory products] Tablitsy dlia vychisleniia razmerov form ogneupornykh izdelii. Moskva, Izd-vo Metallurgiia, 1964. 288 p.

REFRIGERATION AND REFRIGERATING MACHINERY

Kaplan, L.G., and IU.M.Petrukhin. [Repair of small freon refrigerating machines] Remont malykh freonovykh kholodil'nykh mashin. Moskva, Ekonomika, 1964. 103 p. (V pomoshch' kholodil'shchiku)

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. no.5 My '64.

REFRIGERATOR CARS

Distribution of ice supply points in the Central Asia direction of transport. Trudy TASHIIT no.23:73-89 '62.

Refrigerator car as an object of temperature control. N.V.Morozovskaia. Trudy MIIT no.171:157-166 '63.

REFUGEES, RUSSIAN see subdivision under Berlin

REGENERATION (BIOLOGY)

Change in the nucleic acid content of a regenerating rat testicle under the influence of rabbit testicle extract. R.G.Gachechiladze, G.D.Tumanishvili. Dokl. AN SSSR 156 no.1:171-173 My '64.

Growth and differentiation in the development of the posterior regenerate in Oligochaeta. Report No.1: Measurement of the growth rate of the regenerate. V.B.Kasinov. Nauch. dokl. vys. shkoly; biol. nauki no.2:15-19 '64.

Some enzyme-substrate systems in the process of regeneration of the bony tissue. B.S.Kasavina and others. Eksper. khir. i anest. 7 no.4:60-63 Jl-Ag '62.

REGIONAL PLANNING

Instructions for working out the section "Transportation" in drawings and designs for regional planning. V.S. Bulanovskii, I.A.Litvin, M.S.Makhov. Biul. stroi. tekh. 21 no.2:30 F '64.

REHABILITATION OF CRIMINALS

Rehabilitation of probationers. E.Sarkisova. Sots. zakon. 40 no.12:48-50 D '63.

Theoretical foundations for the legislation on Soviet correctional labor. L.I.Smirnov, S.G.Novikov. Sov. gos. i pravo 34 no.4:66-70 Ap '64.

REINDEER see subdivision under Nizhne-Kolymsk region (Yakutia)

REINFORCED CONCRETE

Lapir, F.A. [Equipment and means for automating the manufacture of concrete and reinforced concrete] Oborudovanie i sredstva avtomatizatsii dlia proizvodstva betona i zhelezobetona. Moskva, Izd-vo "Mashinostroenie," 1964. 232 p.

New model of the BPS-6 continuous vibration rolling mill. N.IA.Kozlov. Mekh. stroi. 21 no.5:1-4 My '64.

Utilization of secondary power resources in steaming reinforced concrete. A.A.Voznesenskii. Prom. energ. 19 no.4:21-26 Ap '64.

REINFORCED CONCRETE—TESTING

Koordinatsionnoe soveshchanie po metodike laboratornykh issledovanii deformatsii i prochnosti betona, armatury i elementov zhelezobetonnykh konstruktsii, 1961. [Methods of laboratory research in the deformation and strength of concrete, reinforcements, and reinforced concrete structures; transactions] Metodika laboratornykh issledovanii deformatsii i prochnosti betona, armatury i zhelezobetonnykh konstruktsii; trudy. Pod red. V.V.Makarichova. Moskva, Gosstroiizdat, 1962. 333 p.

REINFORCED CONCRETE CONSTRUCTION
(see also subdivision under Karachi, Pakistan; Moscow; Ryazan Province)

Automobile passenger and service stations of vibrated and rolled reinforced concrete. A.M.Bychkov, A.A. Ovanesian. Avt. dor. 27 no.3:21-22 Mr '64.

Construction of a tower-type reinforced concrete head frame and simultaneous use of the shaft for conducting mining operations. E.D.Levykin, A.F.Murashov. Izv. vys. ucheb. zav.; gor. zhur. 6 no.12:14-20 '63.

Continuous method of constructing high-voltage signal lines with automatic blocking. P.F.Golovan'. Transp. stroi. 13 no.11:13-15 N '63.

Designing and erecting sunk wells of large diameters. A.IA.Fridkin. Prom. stroi. 41 no.12:34-36 D '63.

Experimental lining of horizontal opening with steel and plastic concrete supports. A.A.Sapunov. Trudy TSNIIPodzemshakhtstroia no.2:150-157 '63.

Krylov, S.M. [Redistribution of stress in statically indeterminate reinforced concrete structural elements] Pereraspredelenie usilii v staticheski neopredelimykh zhelezobetonnykh konstruktsiiakh. Moskva, Stroiizdat, 1964. 167 p.

Method of manufacturing thin-walled arched reinforced concrete elements of the prismatic fold type. Zh.I. Kompanioni. Trudy GPI [Gruz.] no.4:83-95 '63.

Preparation of fine natural sand. N.M.Antipashin and others. Stroi. mat. 10 no.1:26-29 Ja '64.

Reasons for the breakdown of the transporting trestle at the Soligorsk potassium combine. B.I.Beliaev. Prom. stroi. 41 no.12:27-29 D '63.

Resistance of rods taking into account the rheological properties of concrete. A.A.Liubimov. Sbor. nauch. trud. KGRI 18:63-74 '62.

REINFORCED CONCRETE PRODUCTS
(see also subdivision under Kemerovo; Serebryansk, East Kazakhstan Province)

Determining flexure of elastic reinforced concrete elements. E.A.Chistiakov. Transp.stroi. 13 no.11:57-58 N '63.

Manufacturing reinforced concrete and keramzit concrete products for large-panel buildings. F.F.Porozhenko, V.M.Buzinov. Biul.stroi.tekh. 21 no.2:38-40 F '64.

Redistribution of stresses in reinforced concrete rings. V.I.Ishakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:3-10 '63.

SM-847 vibration rolling segmental mill for manufacturing reinforced concrete products. A.M.Levinskii. Mekh.stroi. 21 no.5:24 My '64.

Soroker, V.I. [Problems and examples in the technology of concrete and reinforced concrete products] Zadachi i primery po tekhnologii betonnykh i zhelezobetonnykh izdelii. Moskva, Izd-vo lit-ry po stroit., 1964. 235 p.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELATIVITY (PHYSICS)

Axisymmetrical problem of the steady rotation of cosmic gas masses in the general theory of relativity. IU.P. Chernov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6: 61-87 '63.

Matveev, A.N. [Electrodynamics and the theory of relativity] Elektrodinamika i teoriia otnositel'nosti. Moskva, "Vysshaia shkola," 1964. 424 p.

The modern physics and astronomy [with summary in English]. IA.B.Zel'dovich. Vop.kosm. 9:5-50 '63.

Neutrino luminosity of a star in gravitational collapse under the general theory of relativity. IA.B.Zel'dovich, M.A.Podurets. Dokl.AN SSSR 156 no.1:57-60 My '64.

RELIABILITY (ENGINEERING)

The problem of precision in the theory of reliability. N.G.Bruevich, V.I.Sergeev. Izv.AN SSSR.Mekh.i mashinostr. no.2:78-81 Mr-Ap '64.

RELIEF (SCULPTURE)

Several relief forms of St. George Cathedral in Yur'yev-Pol'skiy. G.K.Vagner. Sov.arkheol. 8 no.2:55-62 '64.

RELIGION

Religious remnants in the U.S.S.R., causes of their existence and means of overcoming them. E.A.Karpovskii. Vop.filos. 18 no.4:145-156 '64.

RELIGION—CONTROVERSIAL LITERATURE

Kryvelev, I.A. [Marx and Engels on religion] Marks i Engel's o religii. Moskva, Izd-vo "Nauka," 1964, 206 p. (Nauchno-populiarnaia seriia)

RELIGION AND PHILOSOPHY see Philosophy and religion

REMOTE CONTROL

Automatic control of gate valves. A.I.Sutin, IU.V.Burdenko. Trudy VNIING no.2:103-105 '63.

Discrete-type telemetering system for complex remote control distance signaling, and telemetering apparatus. N.I.Kalatozishvili, G.I.Nadiradze, R.P.Megrelishvili. Trudy Inst.elek.,avtom.i telem.AN Gruz.SSR 4:89-95 '63.

Electronic instrument for measuring the interface level of raffinate and extract solutions. V.P.Stepanov and others. Mash.i neft.obor. no.3:22-25 '64.

Inductive flow gauge of a pulse-time remote-control system. Ch.A.Abdullaev. Izv.vys.uch.zav.; neft' i gaz 5 no.9:97-99 '62.

New sparkproof systems for the remote control of explosion-proof magnetic starters. I.V.Potylitsyn. Nauch. soob.VostNII no.3:103-113 '63.

Pressure sensor. I.F.Sivov. Trudy VNIING no.2:106-107 '63.

Reliability of remote automatic control of machine operations at grain receiving and grain processing enterprises. A.Zhuravlev. Muk.-elev.prom. 29 no.10:9-10 O '63.

Remote control of the weighing of charge materials. N.P.Bystriakov and others. Mekh.i avtom.proizv. 18 no.4:36 Ap '64.

Remote safety device for placing the neutron source in the logging tool of the STP--NGGK-57 apparatus. IU.A. Parshin, V.I.Koba, A.L.Savenko. Sbor.luch.rats.predl. pt.2:51-53 '63.

Temperature pickup. M.S.Kosarev. Trudy VNIING no.2:108-111 '63.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref.zhur.: Avtom., telem.i vych.tekh. nos.5-6 My-Je '64. Avtorskii ukazatel' za 1963 g. Predmetnyi ukazatel' za 1963 g.

RENDERING APPARATUS

Hydrolysis method for fat extraction from soft raw fatty substances. S.G.Liberman, V.P.Petrovskii. Trudy VNIIMP no.13:3-25 '62.

RENT

Amortization and rentals. B.Shagolovich. Sov.torg. 37 no.4:10-11 Ap '64.

RENT (ECONOMIC THEORY)

Computing differential rent on collective farms near cities. A.Glazun. Ekon.sel'khoz. 35 no.3:91-98 Mr '64.

Formation of differential rent on the collective farms of the Moldavian S.S.R. IA.S.Chaban. Uch.zap.Kish.un.: Mezhvuz.sbor.po polit.ekon no.2:3-17 '63.

Ways for improving the calculation and distribution of differential income in forestry. V.F.Bartov. Les. khoz. 17 no.4:66-70 Ap '64.

REPAIR AND SUPPLY STATIONS see subdivision under Turkmenistan

REPIN, IL'IA EFIMOVICH, 1844-1930

Bielichko, IU.V. [Ukraine in the works of I.E.Repin] Ukraina v tvorchosti I.IU.Riepina. Kyiv, Mystetstvo, 1963. 125 p.
(MH)

Creative history of I.E.Repin's painting "Meeting of the State Council." R.Vlasova, P.Ivanovskii. Iskusstvo 26 no.12:54-60 '63.

REPTILES see subdivision under Atrek Valley; Turkmenistan

REPTILES, FOSSIL

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. In 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. IU.A.Orlov. Moskva, Izd-vo "Nauka,"
[Vol.12] [Amphibians, reptiles, and birds] Zemnovodnye, presmykaiushchiesia i ptitsy. Otv. red. toma A.K.Rozhdestvenskii, L.P.Tatarinov. 1964. 721 p.

RES JUDICATA

Polumordvinov, D.I. [Legal force of court decisions] Zakonnaia sila sudebnogo resheniia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 188 p.

RESCUE WORK

True to the traditions of the merchant marine. A.Kiselev. Mor.flot 23 no.12:23 D '63.

RESEARCH
(see also subdivision under Ukraine)

Concern of the party puts a great obligation on one. Vest. vys.shkoly 22 no.4:3-7 Ap '64.

The logic of scientific research and its basic concepts. P.V.Kopnin. Vop.filos. 18 no.3:59-68 '64.

RESEARCH, INDUSTRIAL

On equal footing with Scientific Research Institute. G.A. Nikolaev. Vest.vys.shkoly 22 no.4:10-11 Ap '64.

We can give even more. S.V.Kaftanov. Vest.vys.shkoly 22 no.4:7-9 Ap '64.

RESERPINE

Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy; a clinicophysiological study. P.G.Petrochenkov. Zhur.nevr.i psikh. 64 no.3:428-433 '64.

RESERVOIRS see subdivision under Soviet Far East; Ukraine

RESINS, SYNTHETIC
(see also subdivision under Armenia)

Konovalov, P.G., V.V.Zhebrovskii, and V.V.Shneiderova. [Laboratory work on the chemistry of film-forming substances and on the technology of coatings and paints] Laboratornyi praktikum po khimii plenkoobrazuiushchikh i po tekhnologii lakov i krasok. [IAroslavl'] Rosvuzizdat, 1963. 202 p.

Resin formation in the reaction of diaryl alkanes with trichloroacetic acid [with summary in English]. V.F. Lavrushin, L.N.Pintova. Vysokom.soed. 6 no.3:499-503 Mr '64.

Resins from waste from the chemical industry for making chip slabs and other materials. L.I.Kozel'tsev. Stroi. mat. 10 no.1:7 Ja '64.

Textolite based on melamine-formaldehyde resins modified by acetone. I.V.Kamenskii, A.S.TSepelev, T.V. IAkushina. Plast.massy no.5:67 '64.

Use of FR-12 synthetic resin for exclusion operations in oil wells. V.A.Blazhevich, E.N.Umrikhina, N.P. Makhmutov. Nefteprom.delo no.10:24-27 '63.

RESINS, SYNTHETIC—OPTICAL PROPERTIES

Requirements for the optical characteristics of polyester resins. V.I.Al'perin. Stroi.mat. 10 no.1:8 Ja '64.

RESISTANCE TO INSECTICIDES

Acquisition of resistance to carbamates by insects. L.P.Bocharova. Khim.v sel'.khoz. 2 no.3:53-54 Mr '64.

RESPIRATION

Change in the sensitivity of the infusorian Paramecium caudatum to respiration and glycolysis inhibitors as related to the age of the culture. K.A.Samoilova. Dokl AN SSSR 155 no.3:670-672 Mr '64.

Effect of "aseptic" (turpentine) inflammation of the palatine tonsils on the bioelectrical activity of the sinus nerve and respiration [with summary in English]. E.A.Bobkova. Zhur.ush.,nos.i gorl.bol. 23 no.6:55-59 N-D '63.

Effect of changes in temperature on the respiration of isolated nerves of a frog. IU.I.Arshavskii. Uch.zap. MGPI 169:165-174 '62.

Function of the external respiration and oxidation-reduction processes in nonspecific diseases of the lungs in the climate of the Zelenyy Mys health resort. L.P. Dzhikiia, R.K.Gogibedashvili. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:83-86 '63.

Materials on a critical evaluation of some methods of a functional investigation of blood circulation and respiration. E.I.Belov. Sbor.nauch.rab.IAr.med.inst. no.20:127-140 '59.

Pulmonary ventilation in patients following a laryngectomy [with summary in English]. A.L.Makukha. Zhur.ush., nos.i gorl.bol. 23 no.6:10-12 N-D '63.

"Relation between oxidation and phosphorylation in the respiratory tract" by V.P.Skulachev. Reviewed by M.N.Kondrashova. Vest.AN SSSR 34 no.1:134-136 Ja '64.

Some physiological reactions of animals during flight in biocabins of ballistic rockets at altitudes up to 450-473 km [with summary in English]. I.I.Kas'ian. Izv. AN SSSR.Ser.biol. no.2:201-213 Mr-Ap '63.

Study of external respiration in mitral stenosis. IA.S. Vainbaum, T.N.Shishkina, A.A.Semenov. Zdrav. Kazakh. 22 no.10:10-16 '62.

RESPIRATORY ORGANS—DISEASES

Analysis of an outbreak of adenovirus diseases in the departments of a children's tuberculosis sanatorium [with summary in English]. A.S.Kaplan, L.L.Gaeva, G.A.Makarenko. Pediatriia 42 no.9:23-27 S '63.

Clinical aspects of whooping cough in children inoculated with anti-pertussis vaccines [with summary in English]. A.V.Silakova, N.V.Zakharova. Pediatriia 42 no.9: 43-48 S '63.

Fel'dman, A.I., and S.I.Vul'fson. [Diseases of the ear and upper respiratory tract in children] Bolezni ukha i verkhnikh dykhatel'nykh putei v detskom vozraste. 6-e izd. perer. i dop. Moskva, Meditsina, 1964. 309 p.
(DNLM)

Some experimental data as to the effect of antimony trioxide on the upper respiratory tracts in laboratory animals. A.V.Luzina. Sbor.nauch.rab.IAr.med.inst. no.21:81-95 '59.

Wegener's syndrome. V.IA.Arutiunov, A.A.Kravchenko, V.A.Odinokova. Vest.derm.i ven. 37 no.5:30-35 My '63.

RESPIRATORY ORGANS—FOREIGN BODIES

Spontaneous passage through the thoracic wall of an aspirated rye ear in a child. I.A.Patevskii. Khirurgiia no.1:128-129 '63.

RESPIRATORY ORGANS—SURGERY

Artificial hypotension during operations for the removal of tumors from the upper respiratory tract and the esophagus [with summary in English]. D.A.Kazanskii Zhur.ush.,nos.i gorl.bol. 23 no.6:18-23 N-D '63.

RESPIRATORY QUOTIENT

Determination of residual lung volume using radioactive isotopes of xenon [with summary in English]. B.P. Kolesnikov. Med.rad. 8 no.5:59-62 My '63.

REST

Antonov, G.S. [How one should rest] Kak nuzhno otdykhat'. [Leningrad] Meditsina, 1964. 29 p. (Nauchno-populiarnaia meditsinskaia literatura)

RESTITUTION

Limits of restitution of payments rendered to satisfy judgments in labor litigation. I.Morein. Sov.iust. 28 no.8:12-13 Ap '64.

RESTORATION FROM DROWNING see Drowning, Restoration from

RETAIL TRADE
(see also subdivision under Berdyansk, Zaporozh'ye Province; Yugoslavia)

How to plan commodity stocks. I.Lakhman. Sov.torg. 37 no.3:44-48 Mr '64.

Mathematical statistics elements in the analysis of the turnover of goods. L.Genkina. Sov.torg. 37 no.3: 26-29 Mr '64.

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg.za rub.; org., nov.metody, tekh.torg.i mass.pit. no.5 My '64.

RETAIL TRADE—ACCOUNTING
(see also subdivision under White Russia)

Convert accounting into an effective means of studying demand. M.Belousov, P.Kamyshanov. Sov.torg. 37 no.3:29-32 Mr '64.

RETAIL TRADE—COSTS *see* subdivision under Klaipeda

RETAIL TRADE—EQUIPMENT AND SUPPLIES

Maslennikov, M.S. [Manual for the mechanization, automation, and equipping of trade enterprises and warehouses] Spravochnik po mekhanizatsii, avtomatizatsii i oborudovaniiu torgovykh predpriiatii i skladov. Moskva, Izd-vo TSentrosoiuza, 1963. 149 p.

RETAIL TRADE—INVENTORIES

[illegible] is one a means of studying assortment. [illegible] Sov.torg. 37 no.3:32-33 Mr '64.

RETAIL TRADE—PRICES

Retail price regulation is a current problem. A.Olin-[illegible], G.[illegible]. Sov.torg. 37 no.4:4-9 Ap '64.

RETICULOENDOTHELIAL SYSTEM

[illegible] system and reticular formation of the brain. IA.M.Lartser. Usp.sovr.biol. 57 no.1:143-158 Ja-F '64.

General histiocytic reaction in rheumatic fever. Z.I. Kislova. Nauch.trudy Riaz.med.inst. 14:109-120 '63.

Histiocytic reaction in the area of palatine tonsils, regional lymph nodes, and in regional cellular tissue in the course of rheumatic fever. K.P.Chepalov, V.I. Meshcheriakov. Nauch.trudy Riaz.med.inst. 14:99-108 '63.

RETICULOENDOTHELIAL SYSTEM—CANCER

Transformation of Pautrier-Woringer lipopigmentary reticulosis into reticulosarcoma [with summary in English]. R.P.Likhachev. Vest.derm.i ven. 37 no.5:13-17 My '63.

RETINA—BLOOD SUPPLY

Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy, a clinicophysiological study. P.G.Petrochenko. Zhur.nevr.i psikh. 64 no.3:428-433 '64.

RETROPERITONEAL SPACE—TUMORS

Severing the abdominal aorta with late complete restoration of the main blood flow. G.L.Ratner. Khirurgiia no.1:121-123 '63.

REVENUE see subdivision under Asia; Kishinev

REVERDATTO, VIKTOR VLADIMIROVICH, 1891-

V.V.Reverdatto, botanist and student of nature of Siberia. G.V.Krylov. Okhr.prir.Sib.i Dal'.Vost. no.1:221-223 '62.

REVOLUTIONISTS

"A.I. Ul'ianov and the revolutionary intellectuals in the Don Valley and Northern Caucasus" by V.P. Krikunov. Reviewed by R.G.Lapshina, G.S.Zhulkov. Vop.ist. 39 no.3:138-140 Mr '64.

REVOLUTIONS

Lenin's theory of socialist revolutions and its further development. N.Kolbenkov. Komm.Bel. 38 no.4: 27-32 Ap '64.

The Marxist-Leninist theory of the development of a bourgeois-democratic revolution into a socialist revolution. A.A.Shiriakov. Izv.LETI no.40:50-66 '60.

Vague expounding of an important problem. Sh.V.Rcheulishvili. Vop.filos. 17 no.12:173 '63.

REWARDS (PRIZES, ETC.)

Awards to scientists. Vest.AN SSSR 34 no.1:125-128 Ja '64.

Winners of the I.I.Polzunov Prize. Vest.AN SSSR 34 no.2:133-134 F '64.

RH FACTOR

Rhesus sensitization in women. G.A.Tagunova, L.G. Sheremet'eva, G.V.Levkevich. Zdrav.Bel. 9 no.6: 34-37 Je '63.

Simultaneous method of determining the blood group and Rhesus factor in a drop of blood taken from the finger. Z.F.Vasil'eva. Lab.delo 8 no.9:5-9 S '62.

RHACODIELLA

Causative agent of spotted necrosis of the grapevine in the Ukraine; Rhacodiella vitis [with summary in English]. P.M.Shterenberg. Ukr.bot.zhur. 20 no.5: 48-56 '63.

RHENIUM

Rhenium and molybdenum in copper-molybdenum deposits. V.N.Gorokhova. Trudy IMGRE no.10:171-183 '63.

RHENIUM—ANALYSIS

Determination of aluminum with hydroxyquinoline in metallic rhenium. V.M.Vladimirova, N.K.Davidovich. Metod.anal.khim.reak.i prepar. no.4:59-62 '62.

Determination of rhenium in mineral raw materials with rhodamine 6G. A.I.Ivankova, D.P.Shcherbov. Metod. anal.khim.reak.i prepar. no.4:107-110 '62.

RHENIUM ALLOYS—METALLOGRAPHY

Investigating alloys in the system rhenium - carbon. A.I.Evstiukhin and others. Met.i metalloved.chist.met. no.4:149-159 '63.

RHENIUM COMPOUNDS

Acylation of cyclopentadienylrhenium tricarbonyl. A.N. Nesmeianov and others. Dokl.AN SSSR 154 no.3:646-647 Ja '64.

RHENIUM-TUNGSTEN ALLOYS see Tungsten-rhenium alloys

RHEOLOGY

Mechanical models of polymers containing breakdown elements [with summary in English]. V.R.Regel'. Vysokom.soed. 6 no.3:395-399 Mr '64.

Nature and rheological properties of polymers. V.A. Lipachev. Nauch.trudy MTILP no.26:69-76 '62.

Rheology of polymers. Theory of thixotropy. A.I. Leonov, G.V.Vinogradov. Dokl.AN SSSR 155 no.2: 406-409 Mr '64.

Use of the capillary viscosimeter of permanent pressures in the study of polymer melts. G.V.Vinogradov, N.V. Prozorovskaia. Plast.massy no.5:50-57 '64.

RHEUMATIC FEVER
(see also subdivision under Fergana)

Anatomicopathological changes in the central nervous system in adults with rheumatic fever. T.G.Gloriozova. Nauch.trudy Riaz.med.inst. 14:137-144 '63.

Book reviews. Pediatriia 42 no.9:90-94 S '63.

Blood serum glycoproteins in rheumatic children. V.P. Alferov. Pediatriia 42 no.9:87-88 S '63.

Change in internal female sexual organs in rheumatic fever. E.G.Pechorina. Nauch.trudy Riaz.med.inst. 14:68-73 '63.

Change in some reflex reactions during the first attack of rheumatic fever in children. P.P.Khodorova. Nauch. trudy Riaz.med.inst. 14:202-208 '63.

Changes in the ependymal membrane in rheumatic fever. IU.L.Sutulov. Nauch.trudy Riaz.med.inst. 14:121-124 '63.

Changes in the pia mater of the spinal cord in rheumatic fever in connection with the genesis of the spinal block. N.A.IAkimchuk. Nauch.trudy Riaz.med.inst. 14: 145-150 '63.

Changes in the skin in rheumatic fever. IU.V.Postnov. Nauch.trudy Riaz.med.inst. 14:243-250 '63.

Clinical materials on rheumatic fever of the spinal cord. N.A.IAkimchuk. Nauch.trudy Riaz.med.inst. 14: 151-169 '63.

Compound treatment of rheumatic fever with prednisone and prednisolone. E.N.Artem'ev, V.D.Gubernatorova. Nauch.trudy Riaz.med.inst. 14:209-214 '63.

Current clinical and preventive problems in rheumatic fever in children. O.D.Sokolova-Ponomareva. Zdrav. Kazakh. 23 no.4:45-49 '63.

Diagnostic errors in rheumatic-fever in children. G.G. Gredina. Zdrav.Kazakh. 23 no.4:49-52 '63.

Diagnostic importance of the antihyaluronidase titer in rheumatic fever. V.D.Gubernatorova and others. Nauch.trudy Riaz.med.inst. 14:222-227 '63.

Diagnostic value of determining sialic acids in slowly developing forms of rheumatic fever. T.I.Vol'fson, A.P.Golikov. Lab.delo no.4:206-208 '64.

Dissecting aneurysm of the abdominal aorta with a rupture following rheumatic aortitis. T.P.Libikainen. Nauch. trudy Riaz.med.inst. 14:96-98 '63.

Effect of hydrogen sulfide inhalations on the conditioned reflex activity and carbohydrase of the blood in children with rheumatic fever. T.P.Borisova, A.I.Gunina. Vop. kur.,fizioter.i lech.fiz.kul't. 28 no.3:255-259 My-Je '63.

Electrophoretic protein formula in rheumatic fever treated with steroid homones. A.A.Nizov. Nauch.trudy Riaz.med.inst. 14:170-172 '63.

General histiocytic reaction in rheumatic fever. Z.I. Kislova. Nauch.trudy Riaz.med.inst. 14:109-120 '63.

Histiocytic reaction in the area of palatine tonsils, regional lymph nodes, and in regional cellular tissue in the course of rheumatic fever. K.P.Chepalov, V.I. Meshcheriakov. Nauch.trudy Riaz.med.inst. 14:99-108 '63.

Materials on the histopathology of the skin in rheumatic fever. IU.V.Postnov. Nauch.trudy Riaz.med.inst. 14:42-67 '63.

Morphological changes in the system hypophysis-adrenal cortex in rheumatic fever. I.I.Mironov. Nauch.trudy Riaz.med.inst. 14:74-90 '63.

Morphological changes in the vegetative nervous system in rheumatic fever. G.M.Bekker. Nauch.trudy Riaz. med.inst. 14:125-129 '63.

Pathological anatomy of spinal rheumatic fever. V.K. Beletskii. Nauch.trudy Riaz.med.inst. 14:24-41 '63.

Problems concerning the use of health resort and physical factors at the Ukrainian republic conference on problems of rheumatic fever in children. F.E.Kurkudym, G.I. Shpil'berg. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:285-287 My-Je '63.

Psychoses induced by rheumatic fever in senility. V.K. Skobnikova. Nauch.trudy Riaz.med.inst. 14:130-136 '63.

Rheumatic fever and multiple sclerosis. D.T.Kulmov, O.M.Zaleaskaia. Zhur.nevr.i psikh. 64 no.3:370-375 '64.

Rheumatic fever of the spinal cord. V.K.Beletskii. Nauch.trudy Riaz.med.inst. 14:233-242 '63.

Some urgent problems of the pathogenesis of rheumatic diseases. V.K.Beletskii. Nauch.trudy Riaz.med.inst. 14:3-13 '63.

Vladimir Timofeevich Talalaev, originator of anatomico-clinical research in the pathogenesis of rheumatic fever. V.K.Beletskii. Nauch.trudy Riaz.med.inst. 14:14-20 '63.

RHEUMATIC HEART DISEASE

Adenosinetriphosphoric acid deficiency in the myocardium of patients with rheumatic heart defects and circulatory insufficiency. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:190-194 '63.

Change in the blood protein fractions during the treatment of rheumatic fever. E.A.Mezenchuk and others. Zdrav.Kazakh. 23 no.4:29-32 '63.

Clinical materials on rheumatic fever of the spinal cord. N.A.IAkimchuk. Nauch.trudy Riaz.med.inst. 14: 151-169 '63.

Effect of diet with low sodium content on the dynamics of body weight and urinary excretion on sodium and chlorine in patients with circulatory insufficiency [with summary in English]. V.S.Karpysheva, G.S.Chudnovskii. Vop. pit. 21 no.6:17-22 N-D '62.

Effect of sodium salicylate used with cortisone and ACTH on the isolated heart of a frog. I.V.Sunshin. Nauch. trudy Riaz.med.inst. 14:228-232 '63.

Mechanism of the action of mercury diuretics in rheumatic heart defects. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:215-221 '63.

Morphological changes in the connective tissues of the heart in rheumatic fever. G.M.Bekker. Nauch.trudy Riaz.med.inst. 14:91-95 '63.

Morphology of dystrophic and compensatory changes in the vegetative nervous system in rheumatic defects of the heart. S.F.Andreev. Sbor.nauch.rab.IAr.med.inst. no.18:139-159 '59.

Some indices of the functional state of the adrenal cortex in patients with rheumatic heart defects and circulatory insufficiency. N.A.Ardamatskii. Nauch.trudy Riaz. med.inst. 14:181-189 '63.

State of the secretory function of the stomach in sluggish recurrent rheumatic carditis. O.K.Gusova. Sbor. nauch.trud.Ivan.gos.med.inst. no.25:54-58 '62.

RHEUMATISM

Some controversial questions in the monograph of V.I. Sachkov, "Immunological methods for the study of rheumatism and other collagen diseases." IU.S. Tatarinov. Vop.med.khim. 8 no.6:646-650 N-D '62.

Technic of the diphenylamine test. M.Kh.Khazanov. Lab.delo 8 no.9:44-46 S '62.

RHEUMATOID ARTHRITIS see Arthritis, Rheumatoid

RHINOSCLEROMA

Active modification of the complement fixation reaction with the fresh blood of the patient for the diagnosis of scleroma. V.L.Chernukha. Zhur.ush.,nos.i gorl.bol. 23 no.6:62-65 N-D '63.

Content of 17-ketosteroids in the urine of scleroma patients [with summary in English]. G.V.Shcherbina. Zhur.ush.,nos.i gorl.bol. 23 no.6:51-55 N-D '63.

RHIZOSPHERE MICROBIOLOGY

Effect of plants on the development of nitrifying bacteria in the zones of their root systems. E.D. Novogrudskaia. Agrobiologiia no.5:720-724 S-O '63.

Interrelations between corn and pod-bearing plants grown together. M.B.Razumovich, V.I.Poltanskov. Bot.; issl.Bel.otd.VBO no.5:204-205 '63.

RHODAMINE

Determination of gallium in metallic zinc by rhodamine C. G.I.Kuchmistaia. Metod.anal.khim.reak.i prepar. no.4:79-81 '62.

Determination of gallium in ores by rhodamine. D.P. Shcherbov and others. Metod.anal.khim.reak.i prepar. no.4:75-79 '62.

Determination of indium in ores by rhodamine 6G. V.M. Vladimirova, L.S.Razumova. Metod.anal.khim.reak.i prepar. no.4:82-85 '62.

Determination of rhenium in mineral raw materials with rhodamine 6G. A.I.Ivankova, D.P.Shcherbov. Metod. anal.khim.reak.i prepar. no.4:107-110 '62.

Determination of thallium in metallic zinc and cadmium with rhodamine 6G. V.M.Vladimirova, N.K.Davidovich. Metod.anal.khim.reak.i prepar. no.4:116-119 '62.

Determination of thallium in sodium iodide with rhodamine C. E.A.Bozhevol'nov. Metod.anal.khim.reak.i prepar. no.4:113-116 '62.

Effect of the nonpolar components of a binary solvent on the development of molecular association in rhodamine 6G. L.V.Levshin, D.M.Akbarova. Vest.Mosk.un. Ser.3: Fiz.,astron. 19 no.2:16-24 Mr-Ap '64.

RHUBARB

Anthracene derivatives of Rheum palmatum var. tanguticum Maxim. Report No.3: Glycosides. A.S.Romanova, A.I.Ban'kovskii. Med.prom. 17 no.10:21-23 O '63.

RIBOFLAVIN

Content of riboflavin in food products of Tajikistan. V.S. Smorodina. Vop.pit. 21 no.5:84-86 S-O '62.

Excretion of riboflavin in children from 3 to 7 years of age. E.M.Maslenikova, S.A.Kosenko. Vop.pit. 21 no.5:31-36 S-O '62.

RICE—FERTILIZERS AND MANURES see subdivision under Burma

RICE BRAN

Studying the two-step extraction of rice bran. V.G. Shcherbakov, V.L. Erokhina. Izv.vys.ucheb.zav.; pishch.tekh. no.2:49-53 '64.

RICKETS

The effect of rickets and hypotrophy on the enzymatic function of the digestive system in pneumonia in children [with summary in English]. A.G.Gracheva. Pediatriia 42 no.9:51-54 S '63.

Medullary hematopoiesis in children with rickets and pneumonia. F.A.Kurginskaia. Zdrav.Kazakh. 23 no.4:56-61 '63.

Prevention and treatment of rickets in young children under polyclinical conditions. L.V. Vodkailo. Pediatriia 42 no.9:74-78 S '63.

Some data on pathogenetic therapy of rickets. K.A.Sviatkina. Pediatriia 42 no.9:48-51 S '63.

RICKETTSIA

Detection of Rickettsia prowazeki by the method of fluorescent antibodies in the organism of experimental animals and insects. N.M.Balaeva, E.N.Levina. Izv. AN SSSR.Ser.biol. no.3:433-436 My-Je '64.

Reaction of precipitation on paper as a method of controlling the purification of rickettsial preparations. R.A. Pshenichnov. Lab.delo 8 no.7:39-42 Jl '62.

RIEMANN SURFACES

Use of the method of finite differences in solving boundary value problems on Riemann surfaces. G.D.Merzliakova. Dokl.AN SSSR 156 no.3:507-509 '64.

RIGA—LIBRARIES

Rancans, F. [Jānis Misins and his library] Janis Misins un vina biblioteka. Riga, Latvijas Valsts izdba, 1963. 328 p. [In Latvian]

RIGA—PATENT LAWS AND LEGISLATION

Experiment in Riga. G.Rotberg. Izobr.i rats. no.3:13 '64.

RIGA—TRANSPORTATION, AUTOMOTIVE

Dispatching and line control in action. S.Sergeev. Avt. transp. 42 no.5:14 My '64.

RING COMPOUNDS see Cyclic compounds

RINGS (ALGEBRA)

Certain types of matrix rings. V.I.Gemintern. Sib.mat. zhur. 5 no.2:310-318 Mr-Ap '64.

Criterion of the completeness of a system of root vectors of compression. I.TS.Gokhberg, M.G.Krein. Ukr.mat.zhur. 16 no.1:78-82 '64.

Cross products of a semigroup and a simple ring. A.A. Bovdi. Sib.mat.zhur. 5 no.2:465-467 Mr-Ap '64.

Determining the principal indices of Laurent series. I.V.Viten'ko, A.N.Kostovskii. Dokl.AN SSSR 155 no.4:732-734 Ap '64.

Representations of finite groups over a ring of classes of subtractions modulo m. P.M.Gudivok, V.S.Drobotenko, A.I.Likhtman. Ukr.mat.zhur. 16 no.1:82-88 '64.

Representations of finite groups over certain local rings [with summary in English]. P.M.Hydyvok. Dop. AN URSR no.2:173-176 '64.

Theory of conformal mapping of a circular ring. G.K. Privalova, L.A.Saran. Dop.AN URSR no.3:303-308 '64.

RINGWORM

Effectiveness of antibiotics against ringworm in cattle. V.P.Korolova, V.P.Akulova. Veterinariia 40 no.10:46-49 O '63.

RITES AND CEREMONIES

Time, customs, traditions.... IA.Belousov. Part. zhizn' Kazakh. 34 no.1:41-45 Ja '64.

RIVERS

(see also subdivision under Armenia; Maritime Territory; Ural Mountains)

Method for the tectonic analysis of longitudinal river profiles. N.G.Volkov. Izv.AN SSSR.Ser.geog. no.2:125-133 Mr-Ap '64.

RIVERS—CLASSIFICATION

"Classification of rivers and the hydrological regionalization of the U.S.S.R." by P.S.Kuzin. Reviewed by V.Z. Mezentsev, V.M.Shmakov. Izv.Omsk.otd.Geog.ob-va no.5:201-203 '63.

RIVERS—REGULATION

Regularities of the distribution of shoals in branched river channels. Van Min-fu [Wang Ming-fu]. Dokl. TSKHA no.87:319-320 '63.

RIVETS AND RIVETING

Some fundamental errors in dependences for calculating rivets for shear and warping. N.N.Zelenkov, B.S. TSfas. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz. Kuib.sel'khoz.inst. no.1:116-125 '62.

ROAD CONSTRUCTION

(see also subdivision under Ukraine; White Russia)

Burlai, P.F., G.E.Genritsy, and A.F.Solomin. [Reference book for workers in the construction of rural roads] Spravochnoe posobie stroiteliu sel'skikh dorog. Moskva, Izd-vo "Transport," 1964. 331 p.

Development of the construction methods of winter logging roads. M.I.Kishinskii. Trudy TSNIIME no.44:12-18 '63.

Flaws that had been brought to light have been eliminated. I.Gavrilov. Avt.dor. 27 no.3:13 Mr '64.

Oreshkin, B.M. [Organization and planning of road construction] Organizatsiia i planirovanie dorozhnogo stroitel'stva. Moskva, Vysshaia shkola, 1963. 310 p.

ROAD CONSTRUCTION—STANDARDS

General networks of automobile roads of the U.S.S.R. Design specifications. Biul.stroi.tekh. 20 no.11:8-10 N '63.

ROAD CONSTRUCTION WORKERS—EDUCATION AND TRAINING see subdivision under Crimea

ROAD GRADERS see Graders (Earthmoving machinery)

ROAD MACHINERY

Bromberg, A.A., ed. [Machines for earthwork; theory and calculation] Mashiny dlia zemlianykh rabot; teoriia i raschet. [By] T.V.Alekseev i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 467 p.

Ivanov, S.S. [Manual for operators of road oiling trucks] Pamiatka mashinistu avtogudronatora. Moskva, Avtotransizdat, 1963. 30 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

Kaganovskii, IA.D. [Manual for operators of machines cutting grooves in concrete pavement] Pamiatka mashinistu po narezke shvov v betonnom pokrytii. Moskva, Transport, 1964. 25 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

New machinery for laying road foundations and surfaces. A.A.Vasil'ev. Avt.dor. 27 no.3:25-27 Mr '64.

ROAD MACHINERY—ABSTRACTS

[Construction equipment and road machinery] Ref.zhur.: Stroi.i dor.mash. no.5 My '64.

ROAD MATERIALS

Hydrated soluble glass in road construction. M.A. Matveev. Avt.dor. 27 no.3:17-18 Mr '64.

Local road surfacing from granulated blast-furnace slag. T.Zakrevskii. Avt.dor. 27 no.3:12 Mr '64.

ROADS

Brief news of roads. Avt.dor. 27 no.3:31 Mr '64.

ROADS—ABSTRACTS

[Highways] Ref.zhur.: Avt.dor. no.5 My '64. Avtorskii ukazatel' za 1963 g.

ROADS—BIBLIOGRAPHY see Bibliography—Roads

ROADS—DESIGN

Kudriavtsev, M.N. [Designing automobile roads for various natural conditions] Proektirovanie avtomobil'nykh dorog v raznykh prirodnykh usloviiakh; uchebnoe posobie. [Omsk] Omskoe knizhnoe izd-vo, 1962. 67 p.

Methods of selecting an efficient grade for automobile roads in the use of truck transportation in strip mines. M.V.Vasil'ev, E.P.Doronenko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:125-131 '64.

Use of the SD-1 stereograph for designing roads. IU.N. Pankrat'ev, V.M.Serdiukov. Avt.dor. 27 no.3:15-16, 18 Mr '64.

ROADS—MAINTENANCE AND REPAIR

Exemplary maintenance of roads assures their long service. Avt.dor. 27 no.3:1-2 Mr '64.

Igolkin, N.I. [Maintenance and repair of automobile roads] Soderzhanie i remont avtomobil'nykh dorog. Izd.2., perer. i dop. Moskva, Avtotransizdat, 1963. 368 p.

Improving maintenance service. N.I.Igolkin. Avt.dor. 27 no.3:11-12 Mr '64.

More on advantages of a territorial system. N.Stukolkin. Avt.dor. 27 no.3:22-29 Mr '64.

ROADS—TESTING

Effect of road roughness on road resistance. V.T. Torchinskii. Sbor.nauch.trud.Dnepr.inzh.-stroi. inst. no.21:57-68 '62.

ROADS, CONCRETE

Preventing and eliminating swellings in roads. N.Golubkov. Avt.dor. 27 no.3:30 Mr '64.

Surfacing with precast concrete. N.T.Stepuro and others. Avt.dor. 27 no.3:23-25 Mr '64.

ROADS, ICE

Calculating the thermal effect on snow cover. L.N. Plaksa. Trudy TSNIIME no.44:19-29 '63.

Development of the construction methods of winter logging roads. M.I.Kishinskii. Trudy TSNIIME no.44:12-18 '63.

Laboratory studies of the vibration packing of snow. V.M. Kovalevskii. Trudy TSNIIME no.44:30-36 '63.

ROBOTS see Automata

ROCK BOLTS see Mine roof bolting

ROCK DRILLS

Certain temperature-condition problems of cone bits. L.A.Alekseev, M.IA.Berkovich. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:103-105 '63.

ROCK DRILLS—TESTING

Efficiency of rock drilling. Sh.I.Ibraev. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:115-118 '63.

ROCK GLACIERS see subdivision under Katun' Range

ROCK PRESSURE

Building major mine workings at great depths. I.L. Davydovich. Ugol' 39 no.3:7-13 Mr '64.

Effect of the coefficient of lateral thrust on the stability of various kinds of openings. R.I.Khaimova-Mal'kova. Nauch.soob.IGD 22:64-75 '63.

ROCK PRESSURE—MEASUREMENT

Automatic pressure measurements by means of models made of equivalent materials. V.I.Baranovskii, I.P. Shmykov, V.A.Utochkin. Nauch.soob.IGD 22:75-78 '63.

Using the tensiometric method for determining the regularities of the distribution of rock pressure in underground structures. V.E.Stepanian. Trudy TSNIIPodzemshakhtstroia no.2:158-168 '63.

ROCK PRODUCTS

Conveying in open-cut mining of rock products abroad. IU.D.Buianov, G.R.Butkevich. Stroi.mat. 9 no.8:36-39 Ag '63.

Granular composition of crushed rock products. V.A. Berkovich, M.M.Nichikov. Stroi.mat. 10 no.1:34-35 Ja '64.

ROCK PRODUCTS INDUSTRY

Keep a good record of the coefficients of the processing of rock materials. I.IA.Kolker. Stroi.mat. 10 no.4:35 Ap '64.

ROCK SALT

Rock salt boulder. IU.M.Ustiugov. Priroda 53 no.5:19 '64.

ROCKETS (AERONAUTICS)

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop.raket.tekh.; sbor.perev.i obz.inostr.period.lit. 14 no.5 '64.

ROCKETS (AERONAUTICS)—BOUNDARY VALUE PROBLEMS

Problem concerning the optimum trajectories of rockets. I.V.Ioslovich. Prikl.mat.i mekh. 28 no.2:373-374 Mr-Ap '64.

ROCKETS (ORDNANCE)

Kiselev, S.P., and IU.V.Chuev. [Dispersion of rockets] Rasseivanie raket. Moskva, Voenizdat, 1964. 85 p. (Seriia: Raketnaia tekhnika)

ROCKS

(see also subdivision under Armenia; Queen Maud Land, Tien Shan; Usturt)

Coarse-grained autoclaved concrete from burnt rock. L.S.Volkvadze, A.G.Dzhaparidze. Stroi.mat. 9 no.8:15-17 Ag '63.

Symposium on the Mechanics of Rocks. Zh.M.Kanlybaeva. Vest.AN SSSR 34 no.1:82-83 Ja '64.

ROCKS—ANALYSIS

Use of quantometers for the analysis of geological materials [with summary in English]. IU.I.Beliaev, L.M.Khitrov. Zhur.anal.khim. 18 no.3:310-317 Mr '63.

ROCKS—DENSITY

Apparatus for measuring the density of loose rock sample consolidated by resin solutions. V.V.Davydov, I.I. IAshchenko. Nauch.soob.IGD 22:195-196 '63.

ROCKS—ELECTRIC PROPERTIES

Bipolar shielded parametric system for studying specific electrical resistivity. G.N.Zuev. Sbor.luch.rats.pred pt.2:65-68 '63.

Effect of surface conductivity on electric logging parameters. R.I.Kutas. Geofiz.sbor. no.5:75-78 '63.

ROCKS—MAGNETIC PROPERTIES

Device for measuring susceptibility in incoherent rocks. V.I.Shapovalov, V.A.IAshchuk. Sbor.luch.rats.predl. pt.2:62-65 '63.

ROCKS—MODELS

Experience in the preparation and investigation of artificial rock specimens. A.IA.Peterson. Izv.vys.ucheb.zav.; neft' i gaz 6 no.12:51-56 '63.

ROCKS—PERMEABILITY

(see also subdivision under Apsheron Peninsula)

Methods of determining the efficient porosity of rocks filling a burnt-out area. IU.I.Timofeev. Nauch.trudy VNIIPodzemgaza no.10:99-103 '63.

ROCKS—RADIOACTIVE PROPERTIES see subdivision under Argun Mountain Range

ROCKS—SAMPLING AND ESTIMATION

Present-day status of the sampling technique of sandy-argillaceous and semi-crystalline rocks from the holes in investigations for purposes of engineering geology. A. V. Vasil'ev. Trudy VSEGINGEO no. 1:63-81 '63.

ROCKS—SPECTRA

Quantitative determination of the principal chemical elements in the complete spectrographic analysis of rocks. V. V. Khokhlov. Zap. LGI 45 no. 2:81-90 '63.

ROCKS—TESTING

(see also subdivision under Donets Basin)

Basis of indices and the comparative scale of resistivity of some rocks to piercing with jet torches. A. N. Moskalev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1: 91-95 '64.

Effect of certain factors on the quality of the shattering of rocks crushed in a "press". V. Senuk, G. I. Kostiuk. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12;93-96 '63.

Some regularities of rock breaking under the impact of the bit. V. M. Levenshtein. Trudy TSNIIPodzemshakhstroia no. 2:141-150 '63.

Study of the physical, mechanical, and thermal properties of rocks for the purposes of underground gasification of coals. V. N. Kazak, V. I. Sheinin. Nauch. trudy VNIIPodzemgaza no. 10:64-76 '63.

Study of the properties of coal and rock in order to develop the means of automation. A. A. Ivanov, G. R. Nosov, L. G. Sakalo. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:177-180 '63.

ROCKS, CARBONATE

(see also subdivision under Orenburg Province; Pskov Province; Volga Valley)

Production of high pressure pipes from concrete on carbonate aggregates. V. P. Lebedev, D. V. Berezin. Stroi. mat. 9 no. 8;14-15 Ag '63.

ROCKS, CRYSTALLINE AND METAMORPHIC

(see also subdivision under Altai Mountains; Aragats, Mount; Paramushir Island)

Deformation of rocks in the zone of meteorite craters. G. I. Pokrovskii. Meteoritika no. 24;99-107 '64.

ROCKS, IGNEOUS

(see also subdivision under Carpathian Mountains; Kamchatka; Kazakhstan; Khabarovsk Territory; Kuznetsk Alatau; Monchegorsk, Murmansk Province; Sakhalin; Siberian Platform; Tuva A. S. S. R.)

Concerning IU. M. Sheinmann, F. R. Apel'tsin, E. A. Nechaeva's book "Alkali intrusions, their distribution and mineralization connected with them." G. V. Andreev, E. I. Tverdokhleb. Izv. AN SSSR. Ser. geol. 29 no. 2:108-109 F '64.

Mechanism of postorogenic intrusions in connection with the shrinkage phenomenon in crystallization. Trudy VSEGEI 98:65-73 '63.

Some characteristics of the distribution of accessory elements in granitoids. N. N. Amshinskii. Izv. AN SSSR. Ser. geol. 29 no. 2:55-65 F '64.

ROCKS, IGNEOUS—ANALYSIS see subdivision under Crimean Mountains

ROCKS, SEDIMENTARY see subdivision under Donets Basin; Gissar Range; Kama Valley

ROCKS, SEDIMENTARY—ELECTRIC PROPERTIES

Estimating the degree of the tortuosity of interstitial channels in sedimentary rocks from their electric conductivity. F. I. Kotiakhov. Nauch.-tekh. sbor. po dob. nefti no. 21:58-61 '63.

ROCKS, SEDIMENTARY—PERMEABILITY

Flow resistance of boulder-pebble soils. I. A. Shneer. Nauch. trudy TashGU no. 213. Geog. nauki no. 24;111-121 '63.

ROCKS, SEDIMENTARY—SPECTRA

Accelerated methods of spectrographic analysis in the study of the distribution of chemical elements in sedimentary rocks. V. V. Khokhlov. Zap. LGI 45 no. 2;91-106 '63.

RODENT CONTROL

Brief news. D. P. Sokol'skii and others. Khim. v sel'. khoz. 2 no. 2:56-62 F '64.

RODENTS—ANATOMY

Comparative morphology of the cochlear apparatus of the ear of some rodents. Zh. M. Kukhtina. Uch. zap. MGPI 169;271-278 '62.

Comparative morphology of the eyes of some rodents. Zh. M. Kukhtina. Uch. zap. MGPI 169;259-270 '62.

RODENTS—DISEASES

Detection of plague and tularemia infection in rodents [with summary in English]. R. Kh. IAfaev. Zhur. mikrobiol., epid. i immun. 40 no. 9;93-96 S '63.

RODENTS—PARASITES see Parasites—Rodents

ROE DEER, FOSSIL

New finds of the Pliocene roe deer fossil of the genus Procapreolus in the southern part of the U.S.S.R. O. L. Korotkevych. Dop. AN URSR no. 3:382-386 '64.

ROERICH, NIKOLAI KONSTANTINOVICH, 1874-1947

Roerich and Shevchenko. IU. O. Ivakin. Rad. lit. 8 no. 2: 120-124 Mr-Ap '64.

ROGOVICH, AFANASII SEMENOVICH, 1812-1878

Panas Semenovych Rohovych; on the 150th anniversary of his birth. A. I. Barbarych. Ukr. bot. zhur. 20 no. 5: 99-104 '63.

ROLLER BEARINGS

Increasing the efficiency of four-row cone roller bearings. G. P. Prokopchuk, I. P. Goncharov. Mashinostroenie no. 2:23-24 Mr-Ap '64.

ROLLING (METALWORK)

Arm of the resultant during rolling in box grooves. M. A. Zaikov, V. G. Al'kov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:109-114 '64.

Determining contact stresses during metalworking by pressure in connection with the mechanical properties of metals. I. IA. Tarnovskii, A. N. Levanov, M. I. Poksevatkin. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:97-102 '64.

Device for recording electric power consumption in rolling billets. S. A. Malyi. Priborostroenie no. 12:10-12 D '63.

Effect of tension on the position of the neutral cross-section during rolling. N. P. Gromov, A. A. Kal'menev. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:81-84 '64.

Elastic longitudinal vibrations of strips being rolled on continuous mills. V. N. Vydrin, M. IA. Brovman, V. Kh. Rimen. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:83-87 '64.

Heating and rolling EI171 and EI432 stainless steel ingots. V. K. Kobyzev and others. Stal' 23 no. 3:245-246 Mr '64.

Investigating forces and moments during the rolling of flanged shapes. M. A. Zaikov, N. A. Fedorov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:103-108 '64.

Mastering the rolling of beam columns on the rail and structural steel 800 mill. S. I. Malishev, N. P. Kudriavtsev, V. G. Karta. Stal' 23 no. 3:253-255 Mr '64.

New methods of measuring contact stresses during rolling. M. I. Poksevatkin, I. IA. Tarnovskii, A. N. Levanov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:93-96 '64.

Polymer-base protective coatings for rolled products. Stal' 23 no. 3:193-195 Mr '64.

Selecting criteria characterizing the shape of the deformation center during rolling in plain grooves. S. G. Nekrasov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:115-119 '64.

Shear drag in rolling strips with irregular reduction. A. P. Chekmarev, M. M. Saf'ian, V. P. Kholodnyi. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:77-82 '64.

Stability of the cross sectional shape of a pipe during reduction. V. V. Shveikin, G. IA. Gun, P. N. Ivshin. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:88-92 '64.

Stressed and deformed state and the equation of the movement of a strip being gripped by the rolls. S. L. Kotsar', I. IA. Tarnovskii. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:75-80 '64.

Tarnovskii, I. IA., and others. [Variational principles of mechanics in the theory of metalworking by pressure] Variatsionnye printsipy mekhaniki v teorii obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 52 p.

Tarnovskii, I. IA., ed. [Engineering methods for designing technological processes for the pressworking of metals] Inzhenernye metody rascheta tekhnologicheskikh protsessov obrabotki metallov davleniem. Moskva, Metallurgizdat, 1963. 430 p.

ROLLING (METALWORK)—HANDBOOKS, MANUALS, ETC.

Shulaev, I. P. [Rolling on roughing and blooming mills; a worker's manual] Prokatka na obzhimnykh i zagotovochnykh stanakh; spravochnoe rukovodstvo dlia rabochikh. Moskva, Izd-vo "Metallurgiia," 1964. 179 p.

ROLLING MILL MACHINERY

Koshka, A. P., and V. N. Brinza. [Equipment of cold rolling mills] Oborudovanie tsekhov kholodnoi prokatki. Moskva, Izd-vo "Metallurgiia," 1964. 208 p.

ROLLING MILLS

Adopting and modernizing feed mechanisms with hydraulic brakes. V. S. Artiukh. Stal' 23 no. 3:247-252 Mr '64.

Automatic control of a given number of metal biting turns on reversing rolling mills. A. S. Lenovich, A. IA. Dubinets. Avtom. i prib. no. 1:20-22 Ja-Mr '64.

Capacity during rolling in square and diamond-shaped grooves. V. N. Vydrin, L. A. Barkov. Izv. vys. ucheb. zav.; chern. met. 7 no. 5;94-96 '64.

Developing technological parameters for the automation of three-high rail and structural steel rolling mills. O. G. Muzalevskii, A. A. Rivkin. Stal' 23 no. 3:238-245 Mr '64.

Investigating loads in the main line of a universal mill. F. K. Ivanchenko, V. M. Dukin. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:177-181 '64.

Investigating rolling mills with the purpose of increasing their output. B. S. Kirillov. Izv. vys. ucheb. zav.; chern. met. 7 no. 5;97-103 '64.

Methods of estimating the output of rolling mills for a planned period. B. A. Briukhanenko. Stal' 23 no. 3:27-275 Mr '64.

New model of the BPS-6 continuous vibration rolling mill. N. IA. Kozlov. Mekh. stroi. 21 no. 5:1-4 My '64.

Operational tests of the cooling of large d.c. rolling mills. IU. K. Vasil'ev, I. N. Bogaenko. Elektrotekhnika 35 no. 3;5-9 Mr '64.

Review of A. I. TSelikov's book "Theory of the calculation of forces in rolling mills." A. I. Grishkov, A. V. Tret'iakov. Stal' 23 no. 3;256-257 Mr '64.

SM-847 vibration rolling segmental mill for manufacturing reinforced concrete products. A. M. Levinskii. Mekh. stroi. 21 no. 5:24 My '64.

ROLLS (ROLLING MILLS)

Iliukovich, B. M. [Durability and wear of iron mill rolls] Stoikost' i raskhod prokatnykh valkov. Moskva, Izd-vo "Metallurgiia," 1964. 108 p.

ROLLS (ROLLING MILLS)—TESTING

Investigating the strength of roughing rolls with axial groove. P. I. Polukhin, G. G. Grigorian, IU. D. Zheleznov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:71-76 '64.

ROMANOV, MIKHAIL FEDOROVICH, 1896-1963

In memory of an outstanding actor. V. Nelli. Mystetstvo 10 no. 5;28-29 S-O '63.

ROMASHKINO OIL FIELD—OIL FIELD FLOODING

Extracting petroleum from the water-oil section of level D_1 of the Pavlovsk aye area of the Romashkino oil field. Sh. B. Kireev, R. Sh. Mamleev. Nefteprom. delo no. 10;3-8 '63.

ROMASHKINO OIL FIELD—PETROLEUM GEOLOGY

Comparison of the properties of reservoir rocks in level D_I of the central section of the Minnibayevo region based on field data and data obtained with the EI-S electric integrator. M. M. Brykina and others. Nauch.-tekh. sbor. po dob. nefti no. 21:3-13 '63.

ROME—SLAVERY

Certain aspects of the revolutionary transition from the slave system to feudalism in Western Europe. A. R. Korsunskii. Vop. ist. 39 no. 5:95-111 My '64.

Special features of the class struggle in the ancient world. G. A. Koshelenko. Vop. ist. 39 no. 5:207-208 My '64.

ROOFING, ASBESTOS CEMENT

New asbestos cement tiles for roofs of farm buildings. Biul. stroi. tekh. 21 no. 2:29-30 F '64.

ROOFING, BITUMINOUS see subdivision under Cherkassy Province

ROOFING, CONCRETE

TSeitlin, A. A. [Precast reinforced concrete three-dimensional roofs] Sbornye zhelezobetonnye prostranstvennye pokrytiia. Kiev, Gosstroiizdat USSR, 1964. 243 p.

ROOFING, SLATE see subdivision under Armenia

ROOFS

Designing built-up roofs for buildings of industrial enterprises. Biul. stroi. tekh. 20 no. 11:12-15 N '63.

Mechanizing the manufacture and erection of roofs of industrial buildings. E. Z. Aksel'rod, N. L. Kotliar, L. S. Uritskii. Mekh. stroi. 21 no. 5;9-13 My '64.

Moisture in materials and qualities of built-up roofs. A. Folomin. Stroi. i arkhit. Mosk. 12 no. 12;30-31 D '63.

ROOFS—THERMAL PROPERTIES

Temperature conditions in large-panel houses with insulated roofs. E. M. Shpilevskii. Zdrav. Bel. 9 no. 6: 63-65 Je '63.

ROOFS, SHELL

(see also subdivision under Leningrad)

Coverings using hyperbolic shells. A. TSeiglin and others. Stroi. i arkhit. 11 no. 10;11-12 O '63.

Study of the joints and elements of precast cylindrical shells made from light or cellular concretes. J. Cinenkovas, P. Dauderys. Trudy AN Lit. SSR. Ser. B no. 1: 205-223 '63.

ROOT CROPS see subdivision under Turkmenistan

ROOTS (BOTANY)

Accretion of roots in oak. T. L. Ivanovskaia. Agrobiologiia no. 5:756-762 S-O '63.

Biological role of the accretion of roots in natural pine stands. M. M. Beskaravainyi. Agrobiologiia no. 5: 744-755 S-O '63.

ROOTS (BOTANY) (Continued)

Characteristics of the development of pine root systems in fluvioglacial sand soils. I. A. IUshkevich. Bot.; issl. Bel. otd. VBO no. 5:135-145 '63.

Controlling offset weeds. B. M. Smirnov, I. I. Enenko. Zashch. rast. ot vred. i bol. 9 no. 4:16-17 '64.

Development and absorption capacity of the root system of herbaceous plants as related to the tillage methods of Podzolic soils. N. A. Vedeneeva. Nauch. trudy Sev.-Zap. nauch.-issl. inst. sel'khoz. no. 5:257-273 '63.

Effect of the selection of sugar beets based on the root system on the quality and quantity of the yield of progeny [with summaries in English, German, and French]. F. G. Kirichenko, V. I. Overchuk. Vest. sel'khoz. nauki 8 no. 12:65-72 D '63.

Producing tomato seeds of increased viability (heterotic) by grafting additional roots. I. N. Sagaidak. Agrobiologiia no. 5:715-719 S-O '63.

Root system of wormwood in the lowland of Azerbaijan. M. R. Abduev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:65-74 '63.

Soil conditions and the development of the root system of saltworts. M. R. Abduev. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:69-78 '63.

Structure and productivity of some swamp plant communities. N. G. Solonevich. Trudy Bot. inst. Ser. 3 no. 15:3-93 '63.

ROOTS (BOTANY)—DISEASES AND PESTS see subdivision under **Murgab Valley**

ROSACEAE

Effect of habitat conditions on the content of tanning substances in the Potentilla erecta (L.) Hampe [with summary in English]. G. I. Kozlova, N. P. Kharitonova. Vest. LGU 19 no. 6:116-123 '64.

ROSELITE

Crystal structure of roselite $Ca_2Co[AsO_4]_2 \cdot 2H_2O$. N. M. Mustafaev, V. V. Iliukhin, N. V. Belov. Dokl. AN SSSR 155 no. 2:353-356 Mr '64.

ROSES

(see also subdivision under **Tiflis**)

Paiberdin, M. V. [Wild rose] Shipovnik. Moskva, Goslesbumizdat, 1963. 155 p.
(DNAL)

ROSKIN, GRIGORII IOSIFOVICH, 1892-

On the 70th birthday of Professor G. I. Roskin. L. B. Levinson. TSitologiia 5 no. 3:356-358 My-Je '63.

ROSTOV-ON-DON—LABOR AND LABORING CLASSES

Batorgin, M. P. [Before the court of the czarist autocracy] Pered sudom tsarskogo samoderzhaviia. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 289 p.

ROSTOV-ON-DON—SOIL MOISTURE

Effect of soil moisture on the settling characteristics of foundation beds of buildings and structures. V. P. Anan'ev, V. A. Zurnadzhi. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:148-152 '63.

ROSTOV PROVINCE—AGRICULTURAL CHEMICALS—STUDY AND TEACHING

Mass study in agricultural chemistry. K. G. Mikhailov. Zashch. rast. ot vred. i bol. 9 no. 4:12 '64.

ROSTOV PROVINCE—AGRICULTURE

Level of agronomical work. A. Koliada. Zemledelie 26 no. 1:83-85 Ja '64.

ROSTOV PROVINCE—COLLECTIVE FARMS—MANAGEMENT

Democratic management of collective farms and the development of production. P. Grechishnikov, V. Kharin. Kommunist 41 no. 8:57-67 My '64.

ROSTOV PROVINCE—ROTATION OF CROPS

Crop rotation in the Don Valley. N. N. Borodin. Zemledelie 26 no. 4:7-16 Ap '64.

ROSTOV REGION (YAROSLAVL PROVINCE)—FEEDS

At the appeal of the Levokumskoye comrades. Veterinariia 40 no. 10:7-8 O '63.

ROSTOW, WALT WHITMAN, 1916-

Theory of the stages of economic growth is a falsification of social progress. V. I. Boush. Vesti AN BSSR. Ser. hram. nav. no. 1:82-92 '64.

ROTARY KILNS see **Kilns, Rotary**

ROTATING AMPLIFIERS

Armature magnetizing forces in a three-stage longitudinal field amplidyne. V. IA. Elksins. Izv. vys. ucheb. zav.; elektromekh. 7 no. 3:375-381 '64.

A new mechanical power amplifier. A. E. Kobrinskii, A. I. Korendiasev. Izv. AN SSSR. Tekh. kib. no. 2:175-181 Mr-Ap '64.

ROTATING MASSES OF FLUID

Axisymmetrical problem of the steady rotation of cosmic gas masses in the general theory of relativity. IU. P. Chernov. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 6:61-87 '63.

Shifting of the λ-point in rotating liquid helium [with summary in English]. R. A. Bablidze, Dzh. S. TSakadze, G. V. Chanishvili. Zhur. eksp. i teor. fiz. 46 no. 3:843-844 Mr '64.

ROTATION OF CROPS

(see also subdivision under **Krasnoyarsk Territory; Lugansk Province; Rostov Province; Stavropol Territory**)

Fertilizers for winter rye and green fallowing. M. E. Pronin, M. I. Shatalova. Khim. v sel'. khoz. 2 no. 2:10-13 F '64.

Mathematical models for the structure of planting acreage on a farm. V. A. Kardash. Prim. mat. v ekon. no. 2:94-99 '64.

ROTORS

Balancing of flexible rotors. M. IA. Kushul', A. V. Shliakhtin. Izv. AN SSSR. Mekh. i mashinostr. no. 2:61-77 Mr-Ap '64.

ROYAL JELLY

Milk for queen bees. P. Peichev and others. Priroda 53 no. 5:115-116 '64.

ROZING, BORIS L'VOVICH, 1869-1933

May 9, 1911. P. Gorokhov. Izobr. i rats. no. 3:28-31 '64.

RUBBER

Comparative evaluation of drains made of rubber and polyvinyl alcohol. V. F. Anisimov, A. K. Palamarchuk. Eksper. khir. i anest. 8 no. 4:19-20 Jl-Ag '63.

Interaction of natural rubber with diakyl phosphites. P. M. Zavlin, M. A. Sokolovskii, R. S. Tenishova. Zhur. prikl. khim. 37 no. 4:928-929 Ap '64.

Thermographic study of the low-temperature crystallization of natural rubber. B. IA. Teitel'baum, N. P. Anoshina. Dokl. AN SSSR 156 no. 1:145-148 My '64.

Time dependence of the binding strength of the adhesion of rubbers. M. M. Reznikovskii, B. Z. Kamenskii. Dokl. AN SSSR 155 no. 4:924-926 Ap '64.

RUBBER—TESTING

Effect of fillers on the thermal shrinkage and glass transition temperature of rubber. M. V. Voevodskaia, G. M. Bartenev. Kauch. i rez. 23 no. 3:21-25 Mr '64.

Using the nuclear magnetic resonance method for studying the thermal aging of tire tread compounds made from natural rubbers. L. P. Zalukaev and others. Kauch. i rez. 23 no. 3:19-21 Mr '64.

RUBBER, SYNTHETIC

Effect of co-vulcanization on the properties of compounds made from a combination of natrit with other rubbers. N. D. Zakharov and others. Kauch. i rez. 23 no. 3:12-15 Mr '64.

Effect of the length of the hydrocarbon chain of fatty acid soaps on the parameters of the interphase layers in butadiene-styrene latexes. V. L. Kuznetsov, A. B. Lebedev. Kauch. i rez. 23 no. 3:30-33 Mr '64.

Improvement of the methods for the preparation of tread rubber compounds based on BR under the conditions of Dnepropetrovsk Tire Factory. A. P. Balashov and others. Kauch. i rez. 23 no. 3:5-9 Mr '64.

Interaction of mixed electrolytes (fixatives) with synthetic latexes during ionic deposition [with summary in English]. V. F. Bocharov, H. A. Blokh. Dop. AN URSR no. 2:235-237 '64.

Obtaining synthetic rubber on a base of dimethyl styrene. B. L. Kozik, V. A. Balchugova. Trudy BashNII NP no. 6:205-207 '63.

Structure formation in carboxylate latexes. A. B. Taubman, G. S. Blyskosh, L. P. IAnova. Lakokras. mat. i ikh prim. no. 1:9-12 '64.

Synthetic polyisoprene rubber. I. Nekhamkin. Sov. voin. 46 no. 2:40-41 Ja '64.

Thermal degradation of ethylene-propylene rubber. Part 1: $C_2 - C_8$ hydrocarbons in the products of thermal degradation of ethylene-propylene synthetic rubber [with summary in English]. IA. M. Slobodin, V. E. Maiorova, A. M. Smirnova. Vysokom. soed. 6 no. 3:541-544 Mr '64.

Using enriched oil shale as a filler in ebonite mixtures. V. IA. Shlyk and others. Trudy VNIIT no. 11:28-34 '62.

RUBBER, SYNTHETIC—TESTING

Application of nuclear magnetic resonance to the study of the aging of rubbers [with summary in English]. L. P. Zalukaev, V. I. Pivnev. Vysokom. soed. 6 no. 3:538-540 Mr '64.

Device for dynamic rubber tests. L. M. Lebedev. Priborostroenie no. 12:16-17 D '63.

Mechanical properties of rubberlike polymers in the solid state at low temperatures [with summary in English]. Vysokom. soed. 6 no. 3:504-511 Mr '64.

RUBBER GOODS

Improve ways to measure the plan for the production of industrial rubber goods. M. Shnaider. Plan. khoz. 41 no. 5:55-58 My '64.

Self-vulcanizing S-12 rubber adhesive for the gluing of rubberized materials made from butadiene-nitrile rubber. IU. F. Andrianov, L. K. Burova, L. S. Gur'eva. Kauch. i rez. 23 no. 3:49-52 Mr '64.

RUBBER INDUSTRY

New developments in foreign science and technology. Kauch. i rez. 23 no. 3:57 Mr '64.

RUBBER INDUSTRY—HYGIENIC ASPECTS

Incidence of disease with a temporary loss of working capacity in chronic intoxication with styrene in industry. Kh. Gel'dyev. Zdrav. Turk. 8 no. 1:36-38 Ja '64.

RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE

Statistical analysis of so-called "cold" diseases with a temporary loss of working capacity in workers at a rubber industry plant. IU. K. Korotkova. Sbor. nauch. rab. IAr. med. inst. no. 21:69-80 '59.

RUBBER MACHINERY—CLEANING

System for the cleaning of press molds in rubber tire factories. E. M. Aristov. Kauch. i rez. 23 no. 3:52-54 Mr '64.

RUBBER MACHINERY—MAINTENANCE AND REPAIR

Device for the exchange of valve seats. O. M. Shevchenko. Leh. prom. no. 4:81 O-D '63.

RUBBER TIRES see **Tires, Rubber**

RUBRAX

Studying the possibility of obtaining rubrax from eastern sour crudes. R. S. Akhmetova, A. P. Gniloukhova. Trudy BashNII NP no. 6:43-49 '63.

RUBY CRYSTALS, EFFECT OF RADIATION ON

Afterglow of ruby crystals following irradiation by strong light pulses. R. I. Baranov, K. I. Krylov, S. F. Sharlai. Opt. i spektr. 16 no. 4:713-714 Ap '64.

RUCH'EV, BORIS ALEKSANDROVICH, 1913-

Sources of courage. Sergei Narovchatov. Nov. mir. 40 no. 3:241-243 Mr '64.

RULED SURFACES see **Surfaces, Ruled**

RUM

Production of the heavy type rum. G. L. Oshmian, A. V. Ignatova, A. V. Susykina. Trudy TSNIISP no. 13:34-40 '62.

RUMANIA—MACHINE-TOOL INDUSTRY

Development of the machine-tool industry in the Rumanian People's Republic. Margaritescu Alexandru. Stan. i instr. 35 no. 3:3-7 Mr '64.

RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS

"Ortodoxia" journal of theological institutes of the Rumanian Patriarchate, Jan.-Mar. 1963. V. Vladimirov. Zhur. Mosk. Patr. no. 4:76-79 '64.

RUMANIAN LANGUAGE—DIALECTS

Prefixes of Slavic origin such as "ras-," "za-," and "na-" in Istro-Rumanian. G. P. Klepikova. Uch. zap. Inst. slav. 27:206-222 '63.

RUMANIAN LANGUAGE—FOREIGN ELEMENTS

Prefixes of Slavic origin such as "ras-," "za-," and "na-" in Instro-Rumanian. G. P. Klepikova. Uch. zap. Inst. slav. 27:206-222 '63.

RUMEN

Biochemical indices of the rumen and the productivity of cows fed corn silage prepared by various methods. Sh. D. Simbinov. Trudy Inst. fiziol. AN Kazakh. SSR 5:87-93 '63.

Changes in the milk yield and basic components of milk as related to the intensity of fermentative processes in the rumen of cows. Kh. Diusembin. Trudy Inst. fiziol. AN Kazakh. SSR 5:94-97 '63.

Development of the rumen function in lambs. N. U. Bazanova, A. V. Prokudin. Trudy Inst. fiziol. AN Kazakh. SSR 5:15-18 '63.

Effect of feeds on the splitting of cellulose in the rumen of sheep. V. A. Moiseev. Trudy Inst. fiziol. AN Kazakh. SSR 5:25-32 '63.

RUMEN—MICROBIOLOGY

Infusorians in the rumen of buffaloes and their digestive role. M. A. Mekhtiev, K. M. Akperov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 5:89-93 '63.

RUMINANTIA

Specificity of chyme of the small intestine in various ruminant species. L. V. Gorokhova, A. V. Prokudin. Trudy Inst. fiziol. AN Kazakh. SSR 5:10-14 '63.

Transfusion of chyme from the duodenum of one animal into another animal. N. V. Bazanova, K. T. Tashenov. Trudy Inst. fiziol. AN Kazakh. SSR 5:5-9 '63.

RUMINANTIA—PARASITES see **Parasites—Ruminantia**

RUNNING

Distribution of the load of exercises in training track athletes for medium distances. E. F. Likhachevskaia, T. P. Koval'chuk. Teor. i prak. fiz. kul't 26 no. 9:45-47 S '63.

RUNOFF
(see also subdivision under Altai Mountains; Amu Darya; Armenia; Asia, Central; Baltic Sea region; Issyk River; Omsk Province; Ussuri Valley)

Losses of runoff resulting from snow water from drainage basins. I.I.Zhigalov. Meteor.i gidrol. no.2:40-41 F '64.

Method for the approximate calculation of surface and [illegible] runoff under the conditions of a developing [illegible]. A.D.Kovarskii. Dokl.TSKHA no.87: [illegible] '63.

Models of hydrologic series and calculation of the regulation of the runoff by cascades of hydroelectric power stations over a period of years. A.Sh.Reznikovskii. Izv.AN SSSR.Energ.i transp. no.2:255-265 Mr-Ap '64.

General regularities connecting the ionic runoff with the runoff of suspended silt. O.A.Alekin, L.V.Brazhnikova. Izv.Vses.geog.ob-va 96 no.2:115-123 Mr-Ap '64.

RURAL CONSTRUCTION
(see also subdivision under Cherkassy Province; Karaganda Province; Odessa Province; Ukraine)

Conditions for the construction of buildings and farm structures on state farms located on loess soils. A.L.Rubinshtein. Dokl.TSKHA no.87:379-385 '63.

RURAL CONSTRUCTION—FINANCE see subdivision under Ukraine

RURAL CONSTRUCTION—MANAGEMENT see subdivision under Ukraine

RURAL CONSTRUCTION—PRODUCTION STANDARDS see subdivision under Ukraine

RURAL ELECTRIFICATION

Construction and analysis of a power scale for the electric transformers of rural power distribution networks. M.S.Levin. Elektrotekhnika 35 no.3:35-38 Mr '64.

Electrical equipment operating on increased frequency should find wide use in rural electrification. IU.I Kramorov, D.D.Darpukhin. Elektrotekhnika 35 no.3: 27-28 Mr '64.

[Electrician of rural electrical systems] Elektromekhanik sel'skikh elektroustanovok. [By] V.N.Lobanov i dr. Izd.4., ispr. i dop. Moskva, Vysshaia shkola, 1964. 418 p.

Some problems concerning improvement in a method of designing rural power distribution networks with a possible use of computers. P.Greblikas. Trudy AN Lit. SSR.Ser.B no.1:145-155 '63.

Using statistical probability methods in analysing the voltage level in rural low-voltage networks. R.G. Akopian. Trudy Arm.NIIMESKH no.1:199-201 '63.

RURAL LIBRARIES

Bring new and advanced methods into the work. L.Vlasova. Bibliotekar' no.5:8-9 My '64.

For those who grow good crops. R.Apatova. Bibliotekar' no.5:6-7 My '64.

An honorary title imposes obligations. T.Shevaldin. Bibliotekar' no.5:10-11 My '64.

In touch with life. M.Marchenko. Bibliotekar' no.5:4-5 My '64.

Shepherds are our readers. V.Supran. Bibliotekar' no.5:11-12 My '64.

RURAL MEDICINE see Medicine, Rural

RURAL PLANNING
(see also subdivision under Lvov-Volyn' Basin; Uzbekistan)

Engineering equipment of settlements on state and collective farms. S.V.Smirnitskii. Biul.stroi.tekh. 21 no.2:40-41 F '64.

Manual for planning state and collective farm settlements. A.N.Kondukhov. Biul.stroi.tekh. 21 no.2:41-42 F '64.

RURAL SCHOOLS

Future of small schools. N.Demidov. Nar.obr. no.4: 14-15, 18-20 Ap '64.

RURAL SOCIOLOGY see Sociology, Rural

RURAL WATER SUPPLY see Water supply, Rural

RUSAKOV, MIKHAIL PETROVICH, 1892-1963

Mikhail Petrovich Rusakov,; obituary. Vest.AN Kazakh. SSR 19 no.11:97-98 N '63.

RUSSIA—ARMED FORCES

Increase vigilance and combat readiness. Sov.voin 44 no.22:1 N '62.

RUSSIA—ARMED FORCES—EDUCATION, NONMILITARY

Milovidov, A.S. [The ethical code and moral education of soldiers] Moral'nyi kodeks i nravstvennoe vospitanie voinov. Moskva, Voenizdat, 1964. 83 p.

RUSSIA—ARMED FORCES—INSPECTION

Improve public control. G.Korol', V.Belan. Voen. vest. no.3:64-66 Mr '64.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Aligning on communists. V.Miagchenko. Komm. Vooruzh.Sil 4 no.20:58-60 O '63.

Be vigilant everyday and every hour. P.Gorchakov. Komm.Vooruzh.Sil 4 no.20:19-24 O '63.

The commander is the political trainer. P.Lukashin. Voen.vest. no.3:49-53 Mr '64.

Constantly follow the Regulations of the CPSU. V.Tiukhtiaev. Komm.Vooruzh.Sil 4 no.20:25-31 O '63.

Exactingness and sensitivity. A.Volkov. Komm.Vooruzh. Sil 4 no.20:32-35 O '63.

Historical purpose and character of the Soviet Armed Forces. G.Fedin. Komm.Vooruzh.Sil 4 no.20:66-70 O '63.

In the new year, to a new stage. Komm.Vooruzh.Sil 4 no.20:61-65 O '63.

Lecture on political studies. A.Ivanchilov. Komm. Vooruzh.Sil 4 no.20:77-80 O '63.

Marxist-Leninist theory of socialist revolution and the present. IU.Krasin. Komm.Vooruzh.Sil 4 no.20: 9-18 O '63.

Muradian, V.A. [Concord in combat. Work of army party organizations in educating Soviet soldiers in the spirit of the friendship of nations at the fronts in the Great Patriotic War; based on materials of the South-Western, Voronezh, North Caucasian and Transcaucasian fronts, 1941-1943] Boevoe sodruzhestvo. Deiatel'nost armeiskikh partiinykh organizatsii po vospitaniiu sovetskikh voinov v dukhe druzhby narodov na frontakh Velikoi Otechestevennoi voiny (po materialam IUgo-Zapadnogo, Voronezhskogo, Severo-Kavkazskogo i Zakavkazskogo frontov na 1941-1943 gg.). Baky, Azerbaidzhanskoe gos. izd-vo, 1964. 214 p.

News of party and political work. Komm.Vooruzh.Sil 4 no.20:93-95 O '63.

Party and political work, an important condition of victory in the Great Patriotic War. I.Lipodaev and others. Voen.-ist.zhur. 6 no.4:97-103 Ap '64.

Program of the party and the June Plenum of the Central Committee of the CPSU on the education of Soviet soldiers. A.Bezrukov. Komm.Vooruzh.Sil 4 no.20: 71-77 O '63.

Research on the history of the party and political work in the Soviet Army. A.A.Burlian, V.P.Seregin. Vop. ist.KPSS 8 no.5:110-114 My '64.

Victorious banner of the October Revolution. Komm. Vooruzh.Sil 4 no.20:3-8 O '63.

RUSSIA—ARMED FORCES—RECRUITING, ENLISTMENT, ETC.

Follow-up of our articles. Komm.Vooruzh.Sil 4 no.20: 96 O '63.

RUSSIA—ARMY

Census of the Russian Army on October 25, 1917. L.M. Gavrilov, V.V.Kutuzov. Ist.SSSR 8 no.2:87-91 Mr-Ap '64.

[Serving the fatherland] Na sluzhbie Otechestva. San Francisco, 1963. 527 p.

RUSSIA—ARMY—HISTORY

[Campaign of the Russian Army against Napoleon in 1813 and the liberation of Germany; a collection of documents] Pokhod russkoi armii protiv Napoleona v 1813 g. i osvobozhdenie Germanii; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 637 p.

Shamshiev, Tolen, comp. [Panfilov's men in battles; reminiscences] Panfilovtsy v boiakh; sbornik vospominanii. Frunze, Kirgizskoe gos. izd-vo, 1962. 131 p. (MH)

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Highest title of distinction. N.Nemirov. Voen.-ist. zhur. 6 no.4:122-126 Ap '64.

RUSSIA—ARMY—MILITARY LIFE

Nagornyi, V.A. [The soldier's family] Soldatskaia sem'ia. Moskva, Voenizdat, 1964. 60 p.

RUSSIA—ARMY—POLITICAL ACTIVITY

Activities and people in the political section of the Ninth Army. A.S.Shutskever. Vop.ist.KPSS 8 no.4:90-98 Ap '64.

Affairs of communists in a tank battalion. A.Kushnir. Komm.Vooruzh.Sil 4 no.20:48-50 O '63.

...And nobody was indifferent. V.Merentsov. Sov.voin 44 no.23:15 D '62.

Friendship born in battles. M.Amelichkin. Komm. Vooruzh.Sil 4 no.20:55-57 O '63.

Life is close by. M.Molchan. Sov.voin 44 no.23:15 D '62.

The new and interesting.... How is it to be found? V.Abrosin. Sov.voin 44 no.23:14 D '62.

We are deceiving our own selves. I.Kamenev. Sov.voin 44 no.23:14 D '62.

RUSSIA—ARMY—RECRUITING, ENLISTMENT, ETC.

A young man is seen off to the service.... V.Bochkarev. Sov.voin 44 no.22:44 N '62.

RUSSIA—ARMY—SERVICE CLUBS

Come to the "Cosmos." V.Vasil'ev. Sov.voin 46 no.2: 46-47 Ja '64.

RUSSIA—ARMY—SPORTS

On the approaches to mastery. Leonid Grigor'evich Timoshek. Sov.voin 44 no.22:41 N '62.

RUSSIA—COMMERCE

Along the Lenin path. Sov.torg. 37 no.4:1-3 Ap '64.

Contribution of the Russian Federation. I.[illegible] Vnesh.torg. 44 no.4:27-29 '64.

"Economic relations between trade and industry" by V.V. Budaragin. Reviewed by A.Artem'ev. Sov.torg. 37 no.4:44 Ap '64.

Meetings, negotiations, contracts. Vnesh.torg. 44 no.4: 34 '64.

RUSSIA—COMMERCE—CUBA

Selection of the most advantageous sailing route to Cuba. B.Osipov. Mor.flot 23 no.12:19-20 D '63.

RUSSIA—COMMERCE—ITALY

Trade agreement between the U.S.S.R. and Italy for 1966 - 1969. Vnesh.torg. 44 no.4:70-73 '64.

RUSSIA—COMMERCE—MONGOLIA

From the history of Russian-Mongolian economic relations in the 17th century. Sh.B.Chimit-Dorzhiev. Ist.SSSR 8 no.2:151-156 Mr-Ap '64.

RUSSIA—COMMERCE—SWEDEN

In the interest of both countries. V.Koshent[illegible] Vnesh.torg. 44 no.4:38-39 '64.

Russian tanners in Sweden in the 17th century. I.P. Shaskol'skii. Ist.SSSR 8 no.2:215-217 Mr-Ap '64.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—DESCRIPTION AND TRAVEL

Among books. Sem'ia i shkola 19 no.1:31-32 Ja '64.

RUSSIA—DIPLOMATIC AND CONSULAR SERVICE—CANADA

Kulik, I.IU. [Notes of a consul] Zapiski konsula. Moskva, Sovetskii pisatel', 1964. 238 p.

RUSSIA—ECONOMIC CONDITIONS

Along the Lenin path. Sov.torg. 37 no.4:1-3 Ap '64.

An anticommunist falsification disguised as scientific research. A.N.Sakharov. Vop.ist.KPSS 8 no.4: 131-135 Ap '64.

"History of the national economy of the U.S.S.R." by V.T.Chuntulov. Reviewed by D.F.Virnyk. Dop. AN URSR no.2:285-287 '64.

"History of the national economy of the U.S.S.R. [illegible] era" by V.T.Chuntulov. Reviewed by G.M.[illegible] Il'in, L.D.Logvinov. Vop.ist. 39 no.5:123-127 My '64.

"Scientific and economic foundations of the building of communism in the U.S.S.R." by O.O.Nesterenko. Reviewed by P.Vashchenko, IA.Lititchuk, M.[illegible] Dop.AN URSR no.4:557-559 '64.

Triumph of Lenin's ideas. Pozh.delo no.4:1-3 Ap '64.

Under Lenin's banner and in Lenin's footsteps. Khoz. Bel. 38 no.4:7-12 Ap '64.

With Lenin in heart. Nar.khoz.Sred.Az. 1 no.4:4-7 Ap '64.

The world of capitalism and socialism in figures. S.G. Strumilin. Nov.mir 40 no.3:263-267 Mr '64.

RUSSIA—ECONOMIC CONDITIONS—MATHEMATICAL MODELS

Mikhalevskii, B.N. [Long range calculations on the basis of simple dynamic models] Perspektivnye raschety na osnove prostykh dinamicheskikh modelei. Moskva, Izd-vo "Nauka," 1964. 347 p.

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

Along Lenin's path. NTO 6 no.4:2-4 Ap '64.

Along the Lenin path toward the new goals in the building of communism. Ekon.sel'khoz. 35 no.4:1-4 Ap '64.

Buzuev, V.M. [Foundations of communism] Fundamenty kommunizma. Moskva, Politizdat, 1964. 61 p. (V pomoshch' prepodavateliu obshchestvovedeniia)

Current problems of working out a new five-year plan. F.Kotov. Plan.khoz. 41 no.5:1-12 My '64.

Cybernetics and planning. IU.Davydov. Plan.khoz. 41 no.5:90-94 My '64.

Division of communal labor in definite proportions. A.T.Mikhailov. Izv.LETI no.40:194-204 '60.

Formation of the Southern Regional Council of the National Economy, 1917-1918. V.S.Garskoi, G.M. IUritin. Ist.SSSR 8 no.2:113-117 Mr-Ap '64.

Improve the standards of developing the national economic planning theory. O.Moskvin, F.Khyliuk. Ekon.Rad. Ukr. no.2:109-112 Mr-Ap '64.

In the State Planning Commission of the U.S.S.R. Plan. khoz. 41 no.5:95 My '64.

Khrushchev, N.S. [The building of communism in the U.S.S.R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khoziaistva. Moskva, Politizdat,
Vol.8. [May 1963 - March 1964] Mai 1963 goda - mart 1964 goda. 1964. 558 p.

RUSSIA—ECONOMIC POLICY (Continued)

Kikalov, H. T., and IE. I. Sokol's'kyi. [The art of administration as a key to success; the CPSU in the struggle for the development and perfecting of the organizational forms of the administration of the national economy] U mystetstvi upravlinnia - kliuch do uspikhu; KPRS v borot'bi za rozvytok i vdoskonalennaia organizatsiinykh form upravlinnia narodnym hospodarstvom. Kyiv, 1963. 41 p. (Tovarystvo "Znannia" Ukrains'koi RSR, Seriia I, no. 21)

Kommunisticheskaia partiia Ukrainy. Vysshaia partiinaia shkola. [Present day and some economic questions of the development of communism in the U.S.S.R.] Suchasnist' i deiaki ekonomichni pytannia budivnytstva komunizmu v SRSR. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 238 p.
(CSt-H)

Larionova, T. V., and P. M. Ponomarev. [Gradual transition from socialism to communism] Postepennyi perekhod ot sotsializma k kommunizmu. Moskva, Vysshaia shkola, 1964. 69 p. (Studentu, izuchaiushchemu politekonomiiu)

Lenin, V. I. [Collected works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Izd-vo polit. lit-ry.
Vol. 44. [June 1921-March 1922] Iiun' 1921-mart 1922. 1964. 725 p.

Leninist approach of the CPSU to the solution of the principal problem of the building of communism. P. N. Gapochka. Vop. filos. 18 no. 4:16-26 '64.

The Leninist principles of planning. B. Elisavetskii. Nar. khoz. Sred. Az. 1 no. 4:15-21 Ap '64.

Let us devote all our strength to the solving of the most important problems of the building of communism. M. IAsnov. Den. i kred. 22 no. 4:3-9 Ap '64.

Markov, N. V. [The role of technological progress in the creation of the material and technological foundation of communism; an aid for students of correspondence and evening schools studying the materials of the 22d Congress of the CPSU] Rol' tekhnicheskogo progressa v sozdanii material'no-tekhnicheskoi bazy kommunizma; v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS. [n.p.] "Vysshaia shkola," 1964. 64 p.

NEP (New Economic Policy) in the interpretation of a bourgeois political economist. A. M. Filatov. Vop. ist. 39 no. 5:197-198 My '64.

Practice in the party guidance of the process of transition of the former underdeveloped countries of the U.S.S.R. to socialism, bypassing capitalism. A. A. Anatol'ev. Vop. ist. KPSS 8 no. 4:99-103 Ap '64.

Shock front of the building up of communism. Stan. i instr. 35 no. 4:1-2 Ap '64.

Shtyl'ko, A. A. [School of communism; trade unions in the building of communism] Shkola kommunizma; profsoiuzy v stroitel'stve kommunizma. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 9)

Structural changes and increasing the efficiency of productive work. A. Efimov. Plan. khoz. 41 no. 5:13-23 My '64.

V. I. Lenin on the fundamental postulates of socialist economic planning. G. I. Khaidas. Sov. gos. i pravo 34 no. 4:36-46 Ap '64.

V. I. Lenin's elaboration of the plan for building socialism in the U.S.S.R. V. IA. Zevin. Vop. ist. KPSS 8 no. 5:49-50 My '64.

RUSSIA—FOREIGN ECONOMIC RELATIONS

The Leninist principle of peaceful coexistence is the basis of economic cooperation. V. Kadyshev. Vnesh. torg. 44 no. 4:4-7 '64.

Sonkin, M. E. [Window on a foreign world; the economic relations of the Soviet Government in 1917-1921] Okno vo vneshnii mir; ekonomicheskie sviazi Sovetskogo gosudarstva v 1917-1921 gg. Moskva, Izd-vo "Mysl," 1964. 210 p.

Uzbekistan's participation in the foreign economic relations of the U.S.S.R. Ch. Abutalinov. Komm. Uz. 36 no. 4:80-87 Ap '64.

RUSSIA—FOREIGN RELATIONS

The alliance between the forces of socialism and the national liberation movement. Kommunist 41 no. 8:3-10 My '64.

First session of the Scholarly Council on the Problem "History of the Foreign Policy of the U.S.S.R. and International Relations." A. E. Ioffe. Vop. ist. 39 no. 3:126-128 Mr '64.

The French "Center for Study of International Relations" and its publications on Soviet foreign policy. V. G. Sirotkin. Ist. SSSR 8 no. 2:204-212 Mr-Ap '64.

Kremer, I. S., and A. O. Chubar'ian. [Outline history of the foreign policy of the U.S.S.R., 1917-1963; a textbook for secondary school teachers] Ocherk istorii vneshnei politiki SSSR (1917-1963 gg.); posobie dlia uchitelei srednei shkoly. Moskva, Izd-vo "Prosveshchenie," 1964. 227 p.

Peace as the master of the boundaries. B. Piadyshev. Az. i Afr. seg. 7 no. 5:8-9, 36 My '64.

Right-wing Laborites on Soviet foreign policy [with summary in English, pp. 221-222]. A. N. Krasil'nikov. Vop. ist. 39 no. 3:97-113 Mr '64.

"Russian foreign policy in the first half of the 19th century" by N. S. Kiniapina. Reviewed by S. B. Okun'. Vop. ist. 39 no. 5:126-129 My '64.

The Soviet Union and the Arab world. Nov. vrem. 21 no. 20:1-3 My '64.

The struggle for Lenin's principles in international relations. K. Kiselev. Komm. Bel. 38 no. 4:33-38 Ap '64.

Under the banner of Lenin's foreign policy. A. I. Stepanov. Ist. SSSR 8 no. 2:157-163 Mr-Ap '64.

[We support the just position of the Soviet Union, and a stand against the disruption of the conference of the heads of government of four countries by American imperialists] Podderzhivaem spravedlivuiu pozitsiiu sovetskogo soiuza, vystupaem protiv sryva amerikanskimi imperialistami soveshchanii glav pravitel'stv chetyrekh derzhav] Peking, Izd-vo lit-ry na inostr. iazykakh, 1960. 33 p.
(WaU)

White Russia in the struggle for world peace. B. Alekseev. Mezhdunar. zhizn' 11 no. 5:135-136 My '64.

RUSSIA—FOREIGN RELATIONS—AFGHANISTAN

Holiday of the free Afghanistan. Az. i Afr. seg. 7 no. 5:35-36 My '64.

RUSSIA—FOREIGN RELATIONS—AFRICA

"The U.S.S.R. and the countries of Africa, 1946-1962." Reviewed by A. M. Khazanov. Vop. ist. 39 no. 5:131-133 My '64.

RUSSIA—FOREIGN RELATIONS—CHINA

Fidelity to the principles of Marxism-Leninism. Komm. Uz. 36 no. 4:3-6 Ap '64.

For unity in the struggle for peace, freedom and national independence; statement by the Soviet Government. Nov. vrem. 21 no. 19:31-32 My '64.

Iliushechkin, V. P. [China on the way to socialism] Kitai na puti k sotsializmu. Moskva, Goskul'tprosvetizdat, 1954. 74 p. (Bibliotechka v pomoshch' lektoru, no. 24)

Loyalty to the principles of Marxism-Leninism. Nar. obr. no. 5:1-2 My '64.

Struggle of the CPSU for unity of the world communist movement; resolution of the Plenum of the Central Committee of the CPSU adopted on February 15, 1964. Mezhdunar. zhizn' 11 no. 5:6-7 My '64.

RUSSIA—FOREIGN RELATIONS—EGYPT

Cairo prepares to welcome Khrushchev. IU. Bochkarev. Nov. vrem. 21 no. 19:15-16 My '64.

The harnessing of the Nile. IU. Bochkarev. Nov. vrem. 21 no. 21:4-7 My '64.

Unforgettable days in Cairo. IU. Bochkarev. Nov. vrem. 21 no. 20:4-5 My '64.

RUSSIA—FOREIGN RELATIONS—FRANCE

"History of the origin of the First World War; Franco-Russian relations from 1912 to 1914" by V. I. Bovykin. Reviewed by I. S. Galkin. Vop. ist. 39 no. 3:136-138 Mr '64.

RUSSIA—FOREIGN RELATIONS—GERMANY, EAST

Editorial comment. Nov. vrem. 21 no. 19:3-4 My '64.

RUSSIA—FOREIGN RELATIONS—INDONESIA

Prof. P. Savorno visiting the U.S.S.R. B. V. Polevoi. Vest. AN SSSR 34 no. 2:113 F '64.

RUSSIA—FOREIGN RELATIONS—JAPAN

Editorial comment. Nov. vrem. 21 no. 20:3 My '64.

RUSSIA—FOREIGN RELATIONS—NIGERIA

Nigeria wants peace. Az. i Afr. seg. 7 no. 5:37 My '64.

RUSSIA—GEOGRAPHY see Geography

RUSSIA—HISTORIOGRAPHY

Discussion on the models of the first volumes of the "History of the U.S.S.R." R. E. Krupnova. Vop. ist. 39 no. 3:163-165 Mr '64.

Features of feudalism and phantoms of the past. V. T. Pashuto. Ist. SSSR 8 no. 2:188-204 Mr-Ap '64.

V. O. Kliuchevskii's course of historiography. R. A. Kireeva. Ist. SSSR 8 no. 2:91-100 Mr-Ap '64.

RUSSIA—HISTORIOGRAPHY—BIBLIOGRAPHY

A new bibliographical guide. M. K. Starokadomskaia, E. G. Shapot. Ist. SSSR 8 no. 2:235-236 Mr-Ap '64.

RUSSIA—HISTORY

Akhundov, V. IU. [150 years since Azerbaijan's becoming part of Russia; a report to the activist group meeting on March 13, 1964] 150 let vkhozhdeniia Azerbaidzhana v sostav Rossii; doklad na sobranii aktiva 13 marta 1964 goda. Baku, Azerneshr, 1964. 69 p.

Collections of studies issued in honor of Academician M. N. Tikhomirov's seventieth birthday. IU. A. Limonov. Ist. SSSR 8 no. 2:176-180 Mr-Ap '64.

National liberation movements in Russia in the second half of the 19th century (to be continued). Ist. SSSR 8 no. 2:56-77 Mr-Ap '64.

The Russian princess Olisava-Gertruda and her son IAropolk. V. L. IAnin. Num. i epig. 4:142-164 '63.

Russo-German cultural relations and the war of liberation of 1813. E. I. Druzhinina. Vop. ist. 39 no. 3:170-179 Mr '64.

Rybakov, B. A. [The earliest periods of Russian history] Pervye veka russkoi istorii. Moskva, Izd-vo "Nauka," 1964. 238 p. (Nauchno-populiarnaia seriia)

[Serving the fatherland] Na sluzhbie Otechestva. San Francisco, 1963. 527 p.

Solovey, Dmytro. [Annihilation of the Ukrainians, Russia's chief objective in the war of 1914; materials related to the history of the Ukraine in World War I] Vynyshchennia ukrainstva - osnovna meta Rosii u viini 1914 roku; materiialy do istorii Ukrainy za chasiv Pershoi Svitovoi viiny. Winnipeg, 1963. 70 p. (Biblioteka "Novoho Litopysu," no. 2) [English title: The Ukraine and Russian imperialism]

Stuchenko, A. T. [Our destiny is enviable] Zavidnaia nasha sud'ba. Moskva, Voenizdat, 1964. 253 p. (Voennye memuary)

"Studies on the history of Russian social thought in the late 1850's and the early 1860's" by N. G. Sladkevich. Reviewed by N. I. Sergeeva. Ist. SSSR 8 no. 2:173-175 Mr-Ap '64.

Tales on Russia for adult Americans. A. Sof'in. Ist. SSSR 8 no. 2:212-215 Mr-Ap '64.

Tatishchev, V. N. [Russian history in seven volumes] Istoriia Rossiiskaia v semi tomakh. Moskva, Izd-vo "Nauka."
Vol. 3. 1964. 333 p.

"World proletariat and the Soviet Union; the movement of the working class in foreign countries in protection and aid to the Soviet Union, 1921-1923" by A. A. Makarenko. Reviewed by E. B. Genkina. Vop. ist. 39 no. 3:131-133 Mr '64.

RUSSIA—HISTORY—BIBLIOGRAPHY

New books. Ist. SSSR 8 no. 2:245 Mr-Ap '64.

Russia (1923- U.S.S.R.) Glavnoe arkhivnoe upravlenie. [Documentary publications on the history of the civil war in the U.S.S.R.; a brief survey] Dokumental'nye publikatsii po istorii grazhdanskoi voiny v SSSR; kratkii obzor. Pod red. L. I. IAkovleva. Moskva, 1961. 51 p.
(MH)

RUSSIA—HISTORY—SOURCES

"Congresses of the soviets in documentary materials, 1917-1937." Vol. 4, pts. 1-2. Reviewed by IU. I. Avdeev, V. M. Kleandrova, M. G. Solov'eva. Sov. gos. i pravo no. 12:143-146 D '63.

New materials on the history of the U.S.S.R. in French archives and libraries. I. N. Minaeva. Ist. SSSR 8 no. 2:218-220 Mr-Ap '64.

RUSSIA—INDUSTRIES

Contribution of the Russian Federation. I. Voronov. Vnesh. torg. 44 no. 4:27-29 '64.

Structural changes and increasing the efficiency of productive work. A. Afimov. Plan. khoz. 41 no. 5:13-23 My '64.

RUSSIA—INTELLECTUAL LIFE

Dialectics of forming intellectual life in the communist society. TS. A. Stepanian. Vop. filos. 18 no. 4:60-71 '64.

RUSSIA—INVASION OF 1812

New "conception" of the causes of the defeat of Napoleon's army in 1812. Vop. ist. 39 no. 3:204-205 Mr '64.

Siberians, participants in the war of 1812. A. F. Palashenkov. Izv. Omsk. otd. Geog. ob-va no. 5:177-182 '63.

Supplementary information. B. S. Abalikhin. Vop. ist. 39 no. 3:218-219 Mr '64.

RUSSIA—LITERATURES

Lomidze, G. I. [In search of the new; articles on problems of national literatures] V poiskakh novogo; stat'i o problemakh natsional'nykh literatur. Moskva, Sovetskii pisatel', 1963. 349 p.
(MH)

RUSSIA—MANUFACTURES

Brief news. Sov. torg. 37 no. 4:60-63 Ap '64.

Direct relations between trade and industry. P. Vakhrin. Den. i kred. 22 no. 3:28-31 Mr '64.

Ovchinnikov, S. I., and P. S. Pushkin. [Organization and planning of light industry enterprises] Organizatsiia i planirovanie predpriiatii legkoi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 275 p.

Polymers and light industry. S. Pavlov, A. Kas'ianova. Sov. torg. 37 no. 4:17-19 Ap '64.

[Study of goods serving cultural needs] Tovarovedenie kul'ttovarov. [By] F. G. Varfolomeev i dr. Moskva, Izd-vo Ekonomika, 1964. 471 p.

RUSSIA—MAPS

Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [Our motherland; a geographical atlas for the fourth grade] Nasha Rodina; geograficheskii atlas dlia chetvertogo klassa. [Moskva, 1963] 16 p.

RUSSIA—NAVY

Vladimir Il'ich Lenin and the Navy. V. Bonch-Bruevich. Voen.-ist. zhur. 6 no. 4:3-19 Ap '64.

RUSSIA—NAVY—POLITICAL ACTIVITY

Eighty out of a hundred are experts. L.Evtukhov, V.Beliaev. Komm.Vooruzh.Sil 4 no.20:33-35 O '63.

On the bridge of the ship is a political worker. V.Germanovich. Komm.Vooruzh.Sil 4 no.20:50-52 O '63.

RUSSIA—NAVY—SEA LIFE

A patrol boat went to sea.... L.Tupikovala. Sov.voin 44 no.23:13 D '62.

RUSSIA—NAVY—SPORTS

Here men like sports. N.Overina. Sov.voin 44 no.23: 46-47 D '62.

RUSSIA—OFFICIALS AND EMPLOYEES

The 20th Congress of the Trade Union of Government Employees. Sots.zakon. 40 no.12:74 D '63.

RUSSIA—POLITICS AND GOVERNMENT

Along the glorious Leninist road. Komm.Uz. 36 no.4: 7-15 Ap '64.

"Congresses of the soviets in documentary materials, 1917-1937." Vol.4, pts.1-2. Reviewed by IU.I. Avdeev, V.M.Kleandrova, M.G.Solov'eva. Sov.gos.i pravo no.12:142-146 D '63.

"Formation of the departmental system of administration in the Russian state" by A.K.Leont'ev. Reviewed by A.A.Zimin. Ist.SSSR 8 no.2:184-187 Mr-Ap '64.

[Gazette of the Supreme Soviet of the R.S.F.S.R.] Ved. Verkh.Sov.RSFSR 8 nos.18(292)-22(296) My-Je '64.

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh.Sov.SSSR 27 nos.23-25,27 Je-Jl '64.

Lenin, V.I. [Collected works] Polnoe sobranie sochinenii. Izd.5. Moskva, Izd-vo polit.lit-ry.
Vol.44. [June 1921-March 1922] Iiun' 1921-mart 1922. 1964. 725 p.

Mezhvuzovskaia nauchnaia konferentsiia, Kharkov, 1962. [The Soviet state and law during the large-scale building of communism; summaries of reports and studies, March 6-9, 1962] Sovetskoe gosudarstvo i pravo v period razvernutogo stroitel'stva kommunizma; tezisy dokladov i nauchnykh soobshchenii, 6-9 marta 1962 g. Khar'kov, Khar'kovskii iurid. in-t, 1962. 261 p.
(MH)

National liberation and territorial conflicts. K.Ivanov. Mezhdunar.zhizn' 11 no.5:8-17 My '64.

"Participation of workers in the maintenance of law and order" by IU.A.Sokolov. Reviewed by A.I.Vinberg. Sov.gos.i pravo no.12:152-154 D '63.

Shilan, P.K., and M.A.Frank. [City in the steppe] Gorod v stepi. Stalino, Knizhnoe izd-vo, 1960. 23 p.
(MH-L)

Some problems of governmental administration in the state of all people. B.M.Lazarev. Sov.gos.i pravo. no.12:24-33 D '63.

RUSSIA—PUBLIC BUILDINGS

Characteristic features of the early classicist architecture in Russia; as exemplified on public buildings. I.V. Riazantsev. Vest.Mosk.un.Ser.9: Ist. 19 no.2:62-70 Mr-Ap '64.

RUSSIA—REBELLION OF STENKA RAZIN, 1667-1671

From the history of the Peasant War, 1670-1671. I.V. Stepanov. Ist.SSSR 8 no.2:144-151 Mr-Ap '64.

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Trip to a country of friends. V.Ust'iantsev. Sov.voin 44 no.23:15-17 D '62.

RUSSIA—RELATIONS (GENERAL) WITH EAST GERMANY

A scholarly meeting on Soviet and East German historians. A.L.Narochnitskii. Vop.ist. 39 no.3:168-179 Mr '64.

Significant landmark in the history of the friendship of the German and Russian peoples. Ist.SSSR 8 no.2: 236-238 Mr-Ap '64.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Development of friendship and cooperation between Soviet and foreign jurists. Sov.iust. 28 no.9:1-2 My '64.

RUSSIA—RELATIONS (GENERAL) WITH GERMANY

Russo-German cultural relations and the war of liberation of 1813. E.I.Druzhinina. Vop.ist. 39 no.3:170-179 Mr '64.

RUSSIA—RELATIONS (GENERAL) WITH IRAN

From the history of Soviet-Iranian cultural relations; activities of the Iranian Association for Cultural Relations with the U.S.S.R. D.V.Valieva. Obshchestv. nauki v Uz. 8 no.1:45-49 '64.

RUSSIA—REVOLUTION, 1917-1921

Bobkov, I.S. [Participation of communication workers in the Great October Socialist Revolution; a textbook for students of the correspondence courses at communication institutes studying the course "History of the CPSU"] Uchastie sviazistov v Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; uchebnoe posobie dlia studentov-zaochnikov vuzov sviazi pri izuchenii kursa "Istoriia KPSS." Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 63 p.

Census of the Russian Army on October 25, 1917. L.M. Gavrilov, V.V.Kutuzov. Ist.SSSR 8 no.2:87-91 Mr-Ap '64.

Chugaev, D.A., ed. [The working class of Soviet Russia during the first years of the dictatorship of the proletariat; collection of documents and materials] Rabochii klass Sovetskoi Rossii v pervyi god diktatury proletariata; sbornik dokumentov i materialov. Moskva, Izd-vo "Nauka," 1964. 401 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. IAroslavskii oblastnoi komitet. Partiinyi arkhiv. [Unforgettable years. Collection of recollections of the old members of the Communist Party of the Soviet Union] Nezabyvaemye gody. Sbornik vospominanii starykh chlenov Kommunisticheskoi partii Sovetskogo Soiuza. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 133 p.
(NjP)

Newspapers "Okopnaia pravda" and Otkliki pravdy" in the struggle to win the masses of soldiers after the June days of 1917. M.I.Alekseeva. Vop.ist.KPSS 8 no.5: 59-64 My '64.

The strength of revolutionary ideas. V.Zh.Kelle, M.IA. Koval'zon. Vop.filos. 18 no.3:171-173 '64.

A useful book. I.G.Dykov. Ist.SSSR 8 no.2:167-170 Mr-Ap '64.

Victorious banner of the October Revolution. Komm. Vooruzh.Sil 4 no.20:3-8 O '63.

RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS

Riabukhin, E.I. [In the struggle with the counterrevolution; assistance of the workers of Vyatka Government to the Eastern Front in 1918-1919] V bor'be s kontrrevoliutsiei; pomoshch' trudiashchikhsia Viatskoi gubernii Vostochnomu frontu v 1918-1919 gg. [Kirov] Kirovskoe knizhnoe izd-vo, 1959. 160 p.
(NIC)

RUSSIA—REVOLUTION, 1917-1921—HISTORIOGRAPHY

The main stages in the study of the history of the civil war in the U.S.S.R. V.P.Naumov. Vest.Mosk.un. Ser.9: Ist. 19 no.2:3-18 Mr-Ap '64.

V.I.Lenin and the literature on the October Revolution and Soviet rule. A.G.Chernykh. Ist.SSSR 8 no.2:3-13 Mr-Ap '64.

RUSSIA—REVOLUTION, 1917-1921—REGIMENTAL HISTORIES

Bazhenov, N., and others. [Under the banner of the All-Russian Central Executive Committee; a short combat history of the Regiment of Red Eagles] Pod znamenem VTsIK; kratkaia boevaia istoriia polka Krasnykh orlov. Moskva, Voenizdat, 1963. 151 p.
(MH)

RUSSIA—REVOLUTION OF 1905

Kommunisticheskaia partiia Ukrainy. Khersonskii oblastnoi komitet. Partiinyi arkhiv. [Revolutionary struggle in Kherson region in 1905-1907; documents and materials] Revoliutsionnaia bor'ba na Khersonshchine v 1905-1907 gg; sbornik dokumentov i materialov. Red. kollegiia i sost. N.A.Danilenko i dr. [Dnepropetrovsk] Khersonskoe knizhnoe-gazetnoe izd-vo, 1962. 479 p.
(CSt-H)

The revolution of 1905 according to the reports of French diplomats. V.G.Sirotkin. Vop.ist. 39 no.5:198 My '64.

The Russian working class and Chuvash peasantry during the period from 1905-1907. I.V.Lepko. Ist.SSSR 8 no.2:126-133 Mr-Ap '64.

RUSSIA—SOCIAL CONDITIONS

Our Soviet system. N.Bikkenin, G.Grigor'ev. Kommunist 41 no.8:35-46 My '64.

RUSSIA, NORTHERN—ACCLIMATIZATION

Functional state and morbidity of the population in the process of acclimatization to the Far North. I.S. Kandror, E.I.Soltyskii. Vest.AMN SSSR 18 no.2: 12-27 '63.

RUSSIA, NORTHERN—AGRICULTURE

Introduction. Nauch.trudy Sev.-Zap.nauch.-issl.inst. sel'khoz. no.5:3-5 '63.

RUSSIA, NORTHERN—BIRDS—MIGRATION

Migratory birds in a bleak spring. V.D.Skrobov. Priroda 53 no.5:127 '64.

RUSSIA, NORTHERN—BONES—DISEASES

Development (differentiation) of the osseous system in children living in the Far North [with summary in English]. V.IA.Belogorskii, M.P.Nemzer. Pediatriia 42 no.9:60-64 S '63.

RUSSIA, NORTHERN—CHILDREN—DISEASES

Development (differentiation) of the osseous system in children living in the Far North [with summary in English]. V.IA.Belogorskii, M.P.Nemzer. Pediatriia 42 no.9:60-64 S '63.

RUSSIA, NORTHERN—DEFICIENCY DISEASES

Vitamin D deficiency in pre-school children living in the Far North [with summary in English]. M.P.Nemzer, V.IA.Belogorskii. Pediatriia 42 no.9:55-59 S '63.

RUSSIA, NORTHERN—FISHERMEN

Energy expenditure of indigenous fisher [illegible] North [with summary in English]. [illegible] Vop.pit. 21 no.6:36-40 N-D '62.

RUSSIA, NORTHERN—HYBRID CORN

Characteristics of crossing parent [illegible] of various ripening time in breeding [illegible] [with summaries in English, German, [illegible] B.P.Sokolov, I.D.Gonchar. Vest.sel'[illegible] no.12:73-82 D '63.

RUSSIA, NORTHERN—NUTRITION SURVEYS

Content of cholesterol in the blood [illegible] diurnal food ration of the aboriginal [illegible] Far North [with summary in English]. [illegible] M.N.Vlasova. Vop.pit. 21 [illegible]

RUSSIA, NORTHWESTERN—GRASSES

Medvedev, P.F. [Accelerated multiplication of the seeds of meadow and pasture grasses] [illegible] razmnozhenie semian lugopastbishchnykh [illegible] Leningrad, Izd-vo "Kolos," 1964. 75 p.
(DNAL)

RUSSIA, NORTHWESTERN—PLOWING

Studying the plowing of soils with [illegible] in the northwestern zone. P.P.Zan[illegible] Nauch.trudy Sev.-Zap.nauch.-issl.[illegible] no.5:157-167 '63.

RUSSIA, NORTHWESTERN—PODZOL

Methods of the deep subsoiling of the P[illegible] the northwestern zone. V.A.Cherny[illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'k[illegible] 233 '63.

Physical properties of Podzolic-type soils [illegible] western zone. N.L.Blagovidov. V.M.[illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'k[illegible] 105 '63.

Some theoretical problems of tillage in the P[illegible] of the northwestern zone. N.A.Sapo[illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'k[illegible] '63.

RUSSIA, NORTHWESTERN—REVOLUTION, [illegible]

Malkov, V.M. [On the Northern bridgehead; [illegible] from the history of the struggle for the [illegible] 1918-1920] Na Severnom platsdarme; [illegible] bor'by za Sovetskii Sever v 1918-1920 [illegible] Vologodskoe knizhnoe izd-vo, 1963. [illegible]

RUSSIA, NORTHWESTERN—SEED PRODUCTION

Medvedev, P.F. [Accelerated multiplication of the seeds of meadow and pasture grasses] [illegible] razmnozhenie semian lugopastbishchnykh [illegible] grad, Izd-vo "Kolos," 1964. 75 p.
(DNAL)

RUSSIA, NORTHWESTERN—SNOW SURVEYS

Choosing the time interval between snow [illegible] territory controlled by the Northwestern [illegible] of the Hydrometeorological Service. [illegible] Trudy GGO no.112:100-106 '63.

Distribution of the snow cover on the terr[illegible] by the Northwestern Administration of the [illegible] logical Service. A.V.Dunaeva. Trudy [illegible] 107-115 '63.

RUSSIA, NORTHWESTERN—SOIL MOISTURE

Characteristics of tillage for the mineral [illegible] saturated with water in the northweste[illegible] Podlipenko. Nauch.trudy Sev.-Zap.[illegible] sel'khoz. no.5:274-324 '63.

RUSSIA, NORTHWESTERN—SOIL PHYSICS

Physical properties of Podzolic-type soils [illegible] western zone. N.L.Blagovidov, V.M.[illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'khoz [illegible] 105 '63.

RUSSIA, NORTHWESTERN—TILLAGE

Characteristics of tillage for the mineral soils [illegible] saturated with water in the northwestern [illegible] Podlipenko. Nauch.trudy Sev.-Zap.nauch[illegible] sel'khoz. no.5:274-324 '63.

Methods of the deep subsoiling of the Podzolic [illegible] the northwestern zone. V.A.Chernyshov. [illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'khoz [illegible] 233 '63.

Some theoretical problems of tillage in the P[illegible] of the northwestern zone. N.A.Sapozhnikov. [illegible] trudy Sev.-Zap.nauch.-issl.inst.sel'khoz [illegible] '63.

Tillage system for the freshly reclaimed soils [illegible] northwestern zone. A.G.Trutnev, L.N.Kas[illegible] Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz [illegible] 188-202 '63.

RUSSIAN LANGUAGE

Nauchno-metodicheskaia konferentsiia kafedr russkogo iazyka i iazykoznaniia pedvuzov Ural'skoi [illegible] Sverdlovsk, 1959. [Problems of the contemporary Russian literary language, dialectology and methodology; materials] Voprosy sovremennogo russkogo [illegible] turnogo iazyka, dialektologii i metodiki; materialy. Sverdlovsk, Sverdlovskii gos.pedagog.in-t, [illegible]
[MICROFILM]

RUSSIAN LANGUAGE—ACCENTUATION

II. A. Sheliuto's book "Russian accentuation." V. A. Red'kin. Vop. iaz. 12 no. 6:154-156 N-D '63.

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Gvozdev, A. N. [Modern Russian language; exercises] Sovremennyi russkii iazyk; sbornik uprazhnenii. Izd. 4., perer. i dop. Moskva, Izd-vo "Prosveshchenie," 1964. 324 p.

RUSSIAN LANGUAGE—DIALECTS—MAPS

Classification of Russian dialects according to data of linguistic geography. K. F. Zakharova, V. G. Orlova. Vop. iaz. 12 no. 6:20-36 N-D '63.

RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Prezidium. Terminologicheskii komitet. [Dictionary of botanical terms] Slovar' botanicheskikh terminov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 220 p. [In Russian and Azerbaijani]

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Prezidium. Terminologicheskii komitet. [Terminological dictionary of human and animal physiology] Slovar' terminov po fiziologii cheloveka i zhivotnykh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 99 p. [In Russian and Azerbaijani]

RUSSIAN LANGUAGE—DICTIONARIES—TURKMEN

Esenov, A. [Russian-Turkmen dictionary of building terms] Russko-turkmenskii slovar' stroitel'nykh terminov. Pod red. V. Kudratullaeva. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1956. 245 p.

RUSSIAN LANGUAGE—DICTIONARIES—UKRAINIAN

Akademiia nauk URSR, Kiev. [Russian-Ukrainian dictionary on welding terminology. 8,000 terms] Rosiis'ko-ukrains'kyi slovnyk zvariuval'noi terminologii. 8000 terminiv. Ukladach A. G. Potap'ievs'kyi. Kyiv, 1964. 144 p.

RUSSIAN LANGUAGE—DICTIONARIES, POLYGLOT

Lapanashvili, I. G. [Materials on dermatological terminology] Materialy k dermatologicheskoi terminologii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 280 p.

RUSSIAN LANGUAGE—GRAMMAR

Living grammar. V. Ivanenko. Nar. obr. no. 5:110 My '64.

RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—UKRAINIAN

Constructions with double cases in Russian and Ukrainian documents of the 14th and 15th centuries. I. F. Neliubova. Pratsi Od. un. 152. Ser. filol. nauk no. 15:182-190 '62.

RUSSIAN LANGUAGE—HISTORY

Russian personal correspondence of the 17th and 18th centuries as a linguistic source. S. I. Kotkov. Vop. iaz. 12 no. 6:107-116 N-D '63.

RUSSIAN LANGUAGE—MACHINE TRANSLATING

Algorithm for the machine translation from Russian to Georgian. Trudy Inst. elek., avtom. i telem. AN Gruz. SSR 4:3-9 '63.

RUSSIAN LANGUAGE—OLD RUSSIAN—PHONETICS

Paleographic and phonetic analysis of the Vygoleksinsk collection of the 12th and 13th centuries. T. M. Sudnik. Uch. zap. Inst. slav. 27:173-205 '63.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Advice to young teachers. Z. A. Orlova. Nach. shkola 32 no. 1:49 Ja '64.

"Unaccented vowels" topic. Z. S. Lomakina and others. Nach. shkola 32 no. 1:76-84 Ja '64.

RUSSIAN LANGUAGE—RHYTHM

Use of the "dol'nik" in modern Russian poetry. A. N. Kolmogorov, A. V. Prokhorov. Vop. iaz. 12 no. 6:84-95 N-D '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

On the language of radio broadcasts; a stylistic analysis. M. V. Zarva. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 1:53-67 Ja-F '64.

RUSSIAN LANGUAGE—STUDY AND TEACHING

Alieva, T. N., and A. A. Balukhin. [A collection of dictations in Russian; for grades 5-8 of Azerbaijanian schools] Sbornik diktantov po russkomu iazyku; dlia 5-8 klassov Azerbaidzhanskoi shkoly. Baku, Azeruchpedgiz, 1964. 161 p.

Elucidation as an effective method of reinforcing the material. A. A. Kozlova. Nach. shkola 32 no. 1:35-40 Ja '64.

Mezhrespublikanskaia nauchnaia konferentsiia po voprosam uluchsheniia prepodavaniia russkogo iazuka v natsional'nykh shkolakh respublik Srednei Azii, Azerbaidzhana i Kazakhstana, Tashkent, 1956. [The Russian language in national schools; materials of a conference] Russkii iazyk v natsional'noi shkole; materialy konferentsii. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1958. 337 p.
(InU)

RUSSIAN LANGUAGE—STYLE

Livshits, V. A. [Practical stylistics of Russian] Prakticheskaia stilistika russkogo iazyka. Moskva, "Vysshaia shkola," 1964. 197 p.

Styles of speech. L. Krysin. Sem' ia i shkola 19 no. 1:45-46 Ja '64.

Use of folk aphorisms in party propaganda. I. Z. IArnevskii. Sov. lit. i fol'k. Bur. no. 2:211-229 '62.

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Parakhina, M. F., and others. [Russian for foreign students; elementary course] Russkii iazyk dlia studentov-inostrantsev; elementarnyi kurs. Kiev, Izd-vo Kievskogo univ., 1963. 359 p.
(CStmoR)

RUSSIAN LANGUAGE—VERB

Durative-comitative meaning of verbs in Russian. M. A. Sheliakin. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 2:78-88 Mr-Ap '64.

RUSSIAN LANGUAGE—VERSIFICATION

Statistical study on the types of Russian rhyme. A. M. Kondratov. Vop. iaz. 12 no. 6:96-106 N-D '63.

RUSSIAN LANGUAGE—WORD FORMATION

On the history of one common Slavic pattern of word formation in the Russian language. A. K. Smol'skaia. Pratsi Od. un. 152. Ser. filol. nauk no. 15:212-220 '62.

RUSSIAN LITERATURE

Powerful weapon of ideas and images. A. Polikanov. V mire knig 3 no. 7:41-42 Jl '63.

RUSSIAN LITERATURE—CRITICISM, TEXTUAL

Likhachev, D. S. [Textology; a brief outline] Tekstologiia; kratkii ocherk. Moskva, Izd-vo "Nauka," 1964. 101 p.

RUSSIAN LITERATURE—HISTORY AND CRITICISM

(see also subdivision under Tula Province)

Apukhtina, V. A., V. A. Zaitsev, and A. N. Metchenko. [Prose and poetry of our days] Proza i poeziia nashikh dnei. Moskva, Izd-vo "Znanie," 1964. 93 p. (Narodnyi universitet kul'tury: Fakul'tet literatury i iskusstva, no. 4)

Art of the true story. A. Ninov. Nov. mir. 40 no. 3:213-225 Mr '64.

Grechnev, V. IA. [Genre of the literary portrait in M. Gorkii's works; his reminiscences of authors] Zhanr literaturnogo portreta v tvorchestve M. Gor'kogo; vospominaniia o pisateliakh. Moskva, Izd-vo "Nauka," 1964. 130 p.

In the language plan and the analytical approach. Z. Papernyi. Nov. mir. 40 no. 3:250-254 Mr '64.

An open road to the works of young people. P. Surin. Sov. voin 44 no. 23:4 D '62.

RUSSIAN LITERATURE—PERIODICALS

Poetry of political imprisonment and exile in Siberia. V. G. Nazarova. Sov. lit. i fol'k. Bur. no. 2:188-210 '62.

RUSSIAN NEWSPAPERS

Riabchun, P. I. [The weapons of Lenin's "Pravda"] Oruzhie leninskoi "Pravdy." Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 10)

[With Lenin's "Pravda"; collection of documents and materials] S Leninskoi "Pravdoi"; sbornik dokumentov i materialov. [Zaporozh'e] Zaporozhskoe knizhno-gazetnoe izd-vo, 1962. 98 p.
(CSt-H)

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no. 5 '64.

RUSSIAN PAINTINGS see Paintings, Russian

RUSSIAN PERIODICALS

Struggling for the triumph of creative Marxism-Leninism: the 40th anniversary of the periodical "Kommunist." Vop. ist. KPSS 8 no. 4:70-76 Ap '64.

V. I. Lenin and the Marxist periodical "Rabotnik." P. A. Fenster. Ist. SSSR 8 no. 2:104-112 Mr-Ap '64.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. st. nos. 19-23 '64.

RUSSIAN PLATFORM—COAL GEOLOGY

Bludorov, A. P. [History of the Paleozoic coal accumulation in the southeastern part of the Russian platform] Istoriia paleozoiskogo uglenakopleniia na IUgo-Vostoke Russkoi platformy. Moskva, Izd-vo "Nauka," 1964. 274 p. diagrs. (insert)

RUSSIAN PLATFORM—OSTRACODA, FOSSIL

Stage order in the development of Eifelian and Early Franconian ostracods in the eastern part of the Russian Platform and some stratigraphic problems. V. I. Aver'ianov. Dokl. AN SSSR 155 no. 4:799-802 Ap '64.

RUSSIAN PLATFORM—SEISMIC PROSPECTING

Means for increasing the effectiveness of seismic prospecting using standard equipment in the southwestern margin of the Russian Platform. V. D. Zav'ialov. Sbor. luch. rats. predl. pt. 2:19-28 '63.

RUSSIAN POETRY—HISTORY AND CRITICISM

Ozerov, L. A. [Work of the poet; a book of articles] Rabota poeta; kniga statei. [Moskva, Sovetskii pisatel', 1963] 334 p.
(MH)

Poetry of political imprisonment and exile in Siberia. V. G. Nazarova. Sov. lit. i fol'k. Bur. no. 2:188-210 '62.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

(see also subdivision under Kherson Government; Ukraine)

A book on the Russian social democrats in Berlin. M. I. Pshedetskii. Vop. ist. KPSS 8 no. 5:117-119 My '64.

Kulichenko, M. I. [V. I. Lenin and the Kharkov Bolshevik Organization, 1895-1917] V. I. Lenin i Khar'kovskaia bol'shevistskaia organizatsiia, 1895-1917 gg. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 261 p.
(MH)

Origin of the party: Materials on the social democratic organizations in Russia on the eve of the Second Congress of the Russian Social Democratic Party. Vop. ist. KPSS 8 no. 5:86-93 My '64.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Kommunisticheskaia partiia Sovetskogo Soiuza. [Proceedings of the Central Committee of the Russian Social Democratic Party (Bolshevik), August 1917-February 1918] Protokoly TSentral'nogo komiteta RSDRP(b), avgust 1917-fevral' 1918. Moskva, Gospolitizdat, 1958. 307 p.
(CStmoR)

RUSSIANS see subdivision under Yakutia

RUSSO-GERMAN TREATY, 1939

Reply to British critics. I. M. Maiskii. Nov. vrem. 21 no. 21:25-28 My '64.

RUTHENIA see Transcarpathia

RUTSKII, ALEKSANDR IVANOVICH, 1904-

A. I. Rutskii; on his 60th birthday. Izv. vys. ucheb. zav.; energ. 7 no. 4:115-116 Ap '64.

RYAZAN PROVINCE—AGRICULTURE—STUDY AND TEACHING

When we work, let's think about results. T. Varlamov. Nar. obr. no. 5:41-43 My '64.

RYAZAN PROVINCE—ELECTRIC RAILROADS—POLES AND TOWERS

We are increasing the manufacture of supports for overhead contact systems. N. A. Mokhov. Transp. stroi. 13 no. 11:31 N '63.

RYAZAN PROVINCE—REINFORCED CONCRETE CONSTRUCTION

We are increasing the manufacture of supports for overhead contact systems. N. A. Mokhov. Transp. stroi. 13 no. 11:31 N '63.

RYBINSK RESERVOIR REGION—SOILS

Effect of the rise of the ground water level on the adjacent soils of Rybinsk Reservoir. L. V. IAkovleva. Nauch. dokl. vys. shkoly; biol. nauki no. 2:175-180 '64.

RYBINSK RESERVOIR REGION—WATER, UNDERGROUND

Effect of the rise of the ground water level on the adjacent soils of Rybinsk Reservoir. L. V. IAkovleva. Nauch. dokl. vys. shkoly; biol. nauki no. 2:175-180 '64.

RYE

Morphological characteristics of the Kuprilanov rye. V. I. Korzun. Bot.; issl. Bel. otd. VBO no. 5:187-191 '63.

Step-by-step flowering of rye. V. A. Bannikova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:107-110 '64.

RYE—DISEASES AND PESTS see subdivision under Orel Province

RYE—FERTILIZERS AND MANURES

Fertilizers for winter rye and green fallowing. M. E. Pronin, M. I. Shatalova. Khim. v sel'. khoz. 2 no. 2:10-13 F '64.

RYE BREEDING

Using controlled conditioning in winter rye breeding. F. T. Kondratenko. Agrobiologiia no. 5:675-679 S-O '63.

RYEGRASS see subdivision under Tiflis

RZHEV (KALININ PROVINCE)—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Bogdanov, S. I., and I. A. Makshinskii. [This happened in Rzhev] Eto bylo v Rzheve. [Kalinin] Kalininskoe knizhnoe izd-vo, 1960. 140 p.
[MICROFILM]

SADYKOV, ABID SADYKOVICH, 1913-

On the fiftieth birthday of Abid Sadykovich Sadykov. Uzb. khim. zhur. 8 no. 2:81-82 '64.

SAFAVIDS

[illegible] in the structure of the army of [illegible]. P.I.Petrov. Nar.Az.i Afr. no.3:76-[illegible] '64.

SAFRANINE

[illegible] of extraction for determining the micro-[illegible] dissolved in water. N.D.Stepanova, [illegible]. Izv.vys.ucheb.zav.; khim.i khim. [illegible] '64.

SAIGA—DISEASES AND PESTS see subdivision under Kazakhstan

SAILING

Shumovskii, T.A. [Arabs and the sea; scanning the pages of manuscripts and books] Araby i more; po stranitsam rukopisei i knig. Moskva, Izd-vo "Nauka," 1964. 190 p.

SAINFOIN

Amino acid composition and crude protein content in the forage of vetch and sainfoin. E.V.Kolobkova, N.A.[illegible]. Biul.Glav.bot.sada no.48:49-53 [illegible]

SAINFOIN—WATER REQUIREMENTS see subdivision under Nakhichevan A.S.S.R.

SAKHALIN—BANKS AND BANKING

Our tasks. A.Sokolov. Den.i kred. 22 no.4:47-48 Ap '64.

SAKHALIN—CONSERVATION OF NATURAL RESOURCES

Conservation of Sakhalin. A.P.Klintsov. Okhr.prir.Sib. i Dal'.Vost. no.1:77-84 '62.

SAKHALIN—DISCOVERY AND EXPLORATION

"The first discoverers of Sakhalin" by B.P.Polevoi. Reviewed by P.T.IAkovleva. Ist.SSSR 8 no.2:181-182 Mr-Ap '64.

SAKHALIN—GEOLOGY

Geology of the Poronaysk Lowland on Sakhalin. IU.N. Tarasevich, A.N.Volkov, A.IA.Tabolakov. Dokl.AN SSSR 155 no.3:573-575 Mr '64.

SAKHALIN—HISTORY

A well-timed article. I.A.Senchenko. Ist.SSSR 8 no.2: 240 Mr-Ap '64.

SAKHALIN—POTASSIUM-ARGON DATING

First determinations of the absolute age of granitoids in Sakhalin. L.V.Firsov. Dokl.AN SSSR 156 no.3: 563-566 '64.

SAKHALIN—ROCKS, IGNEOUS

First determinations of the absolute age of granitoids in Sakhalin. L.V.Firsov. Dokl.AN SSSR 156 no.3: 563-566 '64.

SAKHALIN—VALLEYS

Submarine valleys of the northeastern coast of Sakhalin. S.D.Gal'tsev-Beziuk. Izv.Vses.geog.ob-va 96 no.1: 49-54 Ja-F '64.

SAKHALIN PROVINCE see Sakhalin

SALES TAX see subdivision under Donetsk Province; Georgia

SALESMEN AND SALESMANSHIP see subdivision under Leningrad

SALICYLIC ACID

Bisthiosalicylidene-ethylenediamine. R.P.Lastovskii, V.IA.Temkina, I.A.Seliverstova. Metod.poluch.khim. reak.i prepar. no.6:44-46 '62.

Laboratory control for the regulation of the use of para-aminosalicylic acid and phtivazid for patients with tuberculosis under ambulatory conditions. E.A.Ginzburg, I.G.Shklovskaia. Lab.delo no.5:274-275 '64.

SALINE AND ALKALI SOILS
(see also subdivision under Soviet Central Asia; Uzbekistan)

Desalinization effect of horizontal drainage. S.F. Aver'ianov, T.A.Abduragimov. Dokl.TSKHA no.87: 17-28 '63.

Studying the desalinization effect of horizontal drainage with the use of radioactive isotopes. T.A.Abduragimov. Dokl.TSKHA no.87:119-126 '63.

SALINGER, JEROME DAVID, 1919-

Salinger's novel "The catcher in the rye" and its translation into Russian. L.S.Kustova. Vest.Mosk.un.Ser. 7: Filol.,zhur. 19 no.1:68-81 Ja-F '64.

SALINITY see subdivision under Azov, Sea of

SALMON see subdivision under Barents Sea; White Sea

SALMONELLA
(see also subdivision under Archangel)

Case of isolation of the pathogen of typhoid fever from the water of an open reservoir. L.A.Apostoli, V.L. Leitkov. Lab.delo no.4:239-240 '64.

Inequality of accumulation media for various types of Salmonella [with summary in English]. M.A.Kheifets, V.S.Zakordonets. Zhur.mikrobiol.,epid.i immun. 40 no.4:107-113 Ap '63.

Selective accumulation of Salmonella enteritidis in transplanted and induced tumors [with summary in English]. L.I.Lenova. Mikrobiol.zhur. 25 no.1:32-34 '63.

SALMONELLA—CULTURES AND CULTURE MEDIA

Changes in the oxidation-reduction potential in media during submerged culture of paratyphoid bacteria [with summary in English]. N.I.Shapiro, M.I.Dudkina, L.V.Trofimova. Zhur.mikrobiol., epid.i immun. 40 no.9:97-101 S '63.

SALMONELLA INFECTIONS
(see also subdivision under Archangel)

Bacteriological diagnosis of salmonellosis. E.M.Frishman. Lab.delo no.4:237-239 '64.

Morphological changes in the internal organs of guinea pigs in conjunctival infection by dysentery bacteria and Salmonella. S.E.Gleiberman, E.Bairamova. Zdrav. Turk. 7 no.12:17-22 D '63.

SALSOLIDINE

Comparative effect of saltwort alkaloids (salsoline and salsolidine). IU.F.Krylov. Nauch.trudy Riaz.med. inst. 15:45-49 '62.

SALSOLINE

Comparative effect of saltwort alkaloids (salsoline and salsolidine). IU.F.Krylov. Nauch.trudy Riaz.med. inst. 15:45-49 '62.

SALT—PHYSIOLOGICAL EFFECT

Effect of table salt on the higher nervous activity in healthy dogs. L.F.Roshchina. Vop.pit. 21 no.5: 42-47 S-O '62.

SALT DEPOSITS see subdivision under Dnieper-Donets Lowland; Gissar Range

SALT DOMES see subdivision under Caspian Lowland

SALT MINES AND MINING see subdivision under Uzbekistan

SALTS

Crystallization of salts from aqueous solutions at different temperatures. L.N.Matusevich, N.P.Blinova. Zhur. prikl.khim. 37 no.4:710-716 Ap '64.

Effect of the additions of foreign cations on the formation of metallic sponges. N.I.Mikhailov, N.T.Kudriavtsev. Zhur.prikl.khim. 37 no.4:806-812 Ap '64.

Entropy and isobaric potential of the lattice of compounds with multiatomic anions. V.P.Vasil'ev, V.N. Vasil'eva. Zhur.fiz.khim. 36 no.11:2517-2520 N '62.

Obtaining thiosalts from the tar of Kashpir shales. N.I. Evstratova and others. Trudy VNIIT no.11:144-154 '62.

SALTS—PHYSIOLOGICAL EFFECT

Effect of some salts and ethyl alcohol on infusoria adapted to various temperatures. I.S.Itlina. TSitologiia 5 no.3:287-294 My-Je '63.

Salt tolerance of the cells of ciliated epithelium of rats differing in their qualitative composition of lipids. T.A.Shliakhter. TSitologiia 5 no.3:331-332 My-Je '63.

SALTWORT

Soil conditions and the development of the root system of saltworts. M.R.Abduev. Izv.AN Azerb.SSR.Ser.biol. i med.nauk no.2:69-78 '63.

SALUZIDE

Effect of saluzide and streptomycin on some indicators of the functional state of the adrenal cortex in healthy white rats. V.A.Likhvantsev. Nauch.trudy Riaz.med. inst. 15:57-63 '62.

Effect of saluzide on the content of sodium and potassium in the urine and myocardium of white rats. V.A.Likhvantsev, L.S.Dubrovina. Nauch.trudy Riaz.med.inst. 15:55-57 '62.

SAMARIUM—ANALYSIS

Determination of samarium of different valency in fluorite [with summary in English]. V.G.Sil'nichenko, F.I.Dmitrieva. Zhur.anal.khim. 19 no.1:84-86 '64.

SAMARKAND—INDUSTRIES

Samarkand as an industrial center. Kh.Khudaikulov. Nauch.trudy TashGU no.213.Geog.nauki no.24:72-81 '63.

SAMARKAND—INFLUENZA

Materials on the study of the epidemiology of influenza outbreaks in Samarkand in 1959 and 1962. P.M.Lerner, V.Kantserova, A.Bugrova. Nauch.trudy SamMI 21: 39-42 '62.

SAMARKAND—LABOR AND LABORING CLASSES—EDUCATION

People's universities. O.Vasiev. Part.zhizn' [Uzb.] 7 no.4:66-69 Ap '64.

SAMARKAND—RAILROADS—EMPLOYEES

A generous heart. A.IUdanov. Part.zhizn' [Uzb.] 7 no.4:85-88 Ap '64.

SAMARKAND PROVINCE—ENCEPHALITIS

Alimentary toxicosis (with encephalitis) in Uzbekistan according to the data of scientists of the Samarkand Medical Institute. A.I.Magrupov. Nauch.trudy SamMI 21:5-12 '62.

SAMARKAND PROVINCE—FOOD POISONING

Alimentary toxicosis (with encephalitis) in Uzbekistan according to the data of scientists of the Samarkand Medical Institute. A.I.Magrupov. Nauch.trudy SamMI 21:5-12 '62.

SAMARKAND PROVINCE—TUBERCULOSIS

Incidence of bone and joint tuberculosis in Samarkand Province in relation to the incidence of pulmonary tuberculosis among the population. A.A.[illegible]. Nauch.trudy SamMI 21:20-22 '62.

SAMBOR (LVOV PROVINCE)—CITY PLANNING

System of services in a small town. B.[illegible]. Stroi.i arkhit. 11 no.10:32-33 O '63.

SAMOILOV, D.

Maturity. B.Sarnov. Nov.mir. 40 no.3:[illegible] '64.

SAMOILOV, IVAN VASIL'EVICH, 1800-1863

Ivan Vasil'evich Samoilov. G.V.Lopatin. Izv.Vses. geog.ob-va 96 no.2:151-152 Mr-Ap '64.

SAMOYEDS see subdivision under Taymyr National Ar

SAMOYEDS—SOCIAL LIFE AND CUSTOMS see subdivision under Avam Valley

SAMSARI MOUNT REGION—HAIL

Observations on hail in the Samsari Expedition. [illegible] Voronov. Trudy TSAO no.51:42-56 '63.

SANCHI, INDIA—ARCHITECTURE, BUDDHIST

Toran sculpture in Sanchi. V.Sidorova. Iskusstvo 26 no.12:61-66 '63.

SANCHI, INDIA—SCULPTURE, INDIC

Toran sculpture in Sanchi. V.Sidorova. Iskusstvo 26 no.12:61-66 '63.

SAND
(see also subdivision under Kuybyshev Province; Kuzomen', Murmansk Province; Polesye; Ustyurt Plateau)

Experimental investigation of quicksand flow in a [illegible]. O.F.Vasil'ev, A.K.Voinov, E.M.Romanova. Izv.AN SSSR.Mekh.i mashinostr. no.2:170-182 Mr-Ap '64.

SAND, FOUNDRY—ANALYSIS

Effect of the composition of molding sand mixtures on the probability of the formation of shrinkage cavities. [illegible] Isakhanian, A.I.Tokarev, P.A.Goncharov. Izv.vys. ucheb.zav.; chern.met. 7 no.5:147-153 '64.

SAND DUNES see subdivision under Turkmenistan

SAND-LIME PRODUCTS

Bobrov, O.D., and A.P.Adamian. [Technology and properties of insulating gas silicates; practices of the Volgograd Combine of Sand-Lime Building Materials] Tekhnologiia i svoistva teploizoliatsionnykh gazosilikatov; iz opyta raboty Volgogradskogo kombinata silikatnykh stroitel'nykh materialov. Volgograd [Volgogradskoe knizhnoe izd-vo] 1963. 25 p. [MICROFILM]

Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'nykh materialov i izdelii. [Sand-lime and gypsum materials and products] Silikatnye i gipsovye materialy i izdeliia. Kiev, Gosstroiizdat USSR, 1964. 104 p.

SAND TABLES (MILITARY SCIENCE)

Exercise on a sand table. A.Troitskii. Voen.vest. no.3:67-70 Mr '64.

SANDSTONE
(see also subdivision under Kama Valley; Pskov Province; Ukraine)

Modes of occurrence of sandstones in the Pashiya horizon of the Shkapovo oil field. V.A.Dolitskii, Chen' Sen'-TSian [Chên Sên-ch'ien]. Neftegaz.geol.i geofiz. no.5:23-26 '63.

SANDWICH CONSTRUCTION

Stability of a cylindrical sandwich shell with a light orthotropic filler under the action of a uniform external pressure. N.K.Galimov. Izv.vys.ucheb.zav.; av.tekh. 7 no.1:47-53 '64.

Unsteady thermal conductivity and optimum parameters of sandwich plates. M.A.Il'gamov. Izv.vys.ucheb. zav.;av.tekh. 7 no.1:60-66 '64.

SANITARY ENGINEERING see subdivision under Kazakhstan

SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

Earthenware and semiporcelain sanitary wares. Biul. stroi.tekh. 20 no.11:22-23 N '63.

SANITATION see subdivision under Sverdlovsk Province

SAP

Effect of the bleeding sap of corn grown in various pH media on the callus growth in carrots. S.S. Andreenko, N.G. Potapov, L.G. Kosulina. Dokl. AN SSSR 155 no. 4:964-966 Ap '64.

SAPONINS

Structure of a water-insoluble saponin from the roots of Dioscorea polystachya Turcz. Report No. 10. O.S. Madaeva, V.K. Ryzhkova, V.V. Panina. Med. prom. 17 no. 9:9-11 S '63.

Structure of calopanax-saponin A. A.IA. Khorlin, A.G. Ven'iaminova, N.K. Kochetkov. Dokl. AN SSSR 155 no. 3:619-622 Mr '64.

SAPOZHNIKOV, VASILII VASIL'EVICH, 1861-1924

V.V. Sapozhnikov, prominent explorer of the Altai. M.F. Rozen. Izv. Alt. otd. Geog. ob-va SSSR no. 1:81-83 '61.

SAPRALIEV, ABUKAR

Over a precipice. L. Babaian. Sov. voin 44 no. 23:3 D '62.

SAPROPEL

Sapropel as fertilizer [with summaries in English, German, and French]. A.IA. Rubinshtein. Vest. sel'khoz. nauki 8 no. 12:18-21 D '63.

SARATOV—GUIDEBOOKS

[Saratov; a guidebook] Saratov; putevoditel'. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 159 p.

SARATOV—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Iron-plating shop at the Saratov motor-vehicle repair plant. G. Sizov. Avt. transp. 42 no. 4:26-30 Ap '64.

SARATOV—PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

Day and night. V. Liapin. Pozh. delo no. 3:13 Mr '64.

SARATOV—QUALITY CONTROL

Everybody is responsible for the quality. Disseminate the valuable practice of the Saratov workers among all enterprises. N. Belyi. Nar. khoz. Sred. Az. 1 no. 2:41-43 F '64.

SARATOV HYDROELECTRIC POWER STATION

Distribution of the discharge among the water conduits of combined hydroelectric power stations. K.A. Nebol'sina. Dokl. TSKHA no. 87:287-295 '63.

SARATOV PROVINCE—ECONOMIC CONDITIONS

Kommunisticheskaia partii Sovetskogo Soiuza. Saratovskii oblastnoi komitet. Partiinyi arkhiv. [Saratov Party organization of the period of the attack of socialism on every front. Establishment of the collective farm regime; documents and materials, 1930-1932] Saratovskaia partiinaia organizatsiia v period nastupleniia sotsializma po vsemu frontu. Sozdanie kolkhoznogo stroia; dokumenty i materialy, 1930-1932 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1961. 397 p.
(CSt-H)

SARATOV PROVINCE—EURYGASTERS—EXTERMINATION

Controlling the shield bug Eurygaster intergriceps. I. Ariasov, Z. Bespalova. Zashch. rast. ot vred. i bol. 9 no. 4:10 '64.

SARATOV PROVINCE—FOOD—ANALYSIS

Content of copper, manganese, molybdenum, nickel and lead in some food products of plant origin in Saratov Province. L.I. Los', L.K. Piatnitskaia. Vop. pit. 21 no. 6:82-83 N-D '62.

SARATOV PROVINCE—GRAIN

Potentials for increasing grain production and reducing its cost. A. Bochkarev. Ekon. sel'khoz. 35 no. 3:29-35 Mr '64.

SARATOV PROVINCE—GRAIN—CLEANING

Borisov, M.I. [Mechanized grain-cleaning barns] Mekhanizirovannye toka. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 41 p.

SARATOV PROVINCE—GRAIN—DISEASES AND PESTS

Controlling the shield bug Eurygaster intergriceps. I. Ariasov, Z. Bespalova. Zashch. rast. ot vred. i bol. 9 no. 4:10 '64.

SARATOV PROVINCE—MILK—COMPOSITION

Content of copper, manganese, molybdenum and iodine in cow's milk of Saratov Province. L.G. Zamarin, L.I. Los', L.K. Piatnitskaia. Vop. pit. 21 no. 6:81-82 N-D '62.

SARCOLYSINE—PHYSIOLOGICAL EFFECT

Effect of an agent injuring the chromosomal DNA on the development of compensatory hypertrophy of the heart. A.G. Bazardzhian, E.M. Leikina, K.K. Antipova. Dokl. AN SSSR 155 no. 3:685-687 Mr '64.

SARKAND DISTRICT—AGRICULTURAL COURTS AND PROCEDURE

Fellow farmers' court on a collective farm. V. Rudiakov. Part. zhizn' Kazakh. 31[i.e. 32] no. 8:57-59 Ag '62.

SARYCHAEV, GAVRIIL ANDREEVICH, 1763-1831

G.A. Sarychaev, famous navigator and scientist. A.I. Alekseev. Izv. Vses. geog. ob-va 96 no. 2:96-102 Mr-Ap '64.

SARYKURGAN HYDROELECTRIC POWER STATION

Some results of full-scale studies of the Sarykurgan Hydroelectric Power Station on the Sokh River during 1961. R.V. Timirova. Vop. gidr. no. 11:34-39 '63.

SASOVO DISTRICT—ANTIQUITIES

New object of the Gorodtsy Culture in the Tsna Valley. N.V. Trubnikova. Sov. arkheol. 8 no. 2:203-205 '64.

SATELLITES, ARTIFICIAL see Artificial satellites

SATIRE—PERIODICALS

IAmpol'skii, I.G. [Satirical journalism in the years around 1860; the revolutionary satirical journal "Iskra", 1859-1873] Satiricheskaia zhurnalistika 1860-kh godov; — zhurnal revoliutsionnoi satiry "Iskra" Δ1859-1873). Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 621 p.

SATIRE, WHITE RUSSIAN

[Under the root; a collection of satire and humor] Pad koran' zbornik satyry i humaru. Minsk, Dziarzhaunae vyd-va BSSR, 1963. 244 p.
(MH)

SATZ, NATALIIA IL'INICHNA, 1904

Our jubilarians: G.L. Zhukovskii, A.A. Stepanov, N.I. Satz. Sov. muz. 27 no. 11:146 N '63.

SAUREL see subdivision under Black Sea

SAURY

[Preservation of the quality of saury] Sokhranenie kachestva sairy. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 25 p. (Bibliotechka rybaka)
[MICROFILM]

[What we can learn from past expeditions] Chemu uchat proshlye ekspeditsii. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 21 p. (Bibliotechka rybaka]
[MICROFILM]

SAUSAGES

Increase the profitableness of sausage production. T. Broida. Mias. ind. SSSR 34 no. 6:30-31 '63.

Mechanization of the thermal processing of sausage. V. Rozengauz. Mias. ind. SSSR 34 no. 6:12-15 '63.

SAVING AND INVESTMENTS see subdivision under Asia

SAVINGS BANKS see subdivision under Kuban

SAWMILLS

Aksenov, P.P. [Technology of lumber] Tekhnologiia pilomaterialov. Moskva, Goslesbumizdat, 1963. 578 p.

Pesotskii, A.N. [Sawmilling] Lesopil'noe proizvodstvo. Izd. 3., ispr. i dop. Moskva, Goslesbumizdat, 1963. 407 p.

SAWMILLS—SAFETY MEASURES

Dobrunov, G.M. [Safety measures at a sawmill] Tekhnika bezopasnosti na lesopil'nom zavode. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 156 p.

SAYAN MOUNTAINS—GRANITE

Hybridization phenomena of Upper Riphean granitoids in the Eastern Sayan Mountains. A.I. Luchinskaia. Izv. AN SSSR. Ser. geol. 29 no. 5:25-41 My '64.

SAYAN MOUNTAINS—IRON ORES

Principles of the genetic classification of contact-metasomatic iron ore deposits in the Altai-Sayan region. V.A. Vakhrushev. Geol. rud. mestorozh. 5 no. 6:3-8 N-D '63.

SAYAN MOUNTAINS—MARAL

Effect of preservation on the migration and distribution of marals. G.D. Dul'keit. Okhr. prir. Sib. i Dal'. Vost. no. 1:193-196 '62.

SAYAN MOUNTAINS—MINERALS

Complement to the diopside-hedenbergite-aegirine diagram. V.P. Kostiuk. Dokl. AN SSSR 156 no. 3:571-574 '64.

SAYAT'-NOVA, 1712-1795

Bashindzhagian, Z.G. [30 years devoted to Sayat'-Nova] 30 let, otdannye Saiat-Nova. Erevan, Izd-vo Erevanskogo gos. univ., 1963. 80 p.

SAYRAMSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

Captive of the trifles in management. G. Lugovoi. Part. zhizn' Kazakh. 34 no. 4:45-48 Ap '64.

SAZHIN, PETR ALEKSANDROVICH

Along the paths of life; passage from a story. Petr Sazhin. Sov. profsoiuzy 20 no. 8:16-17 Ap '64.

SCALE INSECTS—EXTERMINATION see subdivision under Moscow Province

SCALP—DISEASES

Experience with 4% epilin plaster in the treatment of scalp mycosis. Z.M. Kozlova and others. Vest. derm. i ven. 37 no. 4:73 Ap '63.

Use of 4% epilin plaster in the treatment of mycoses of the scalp under rural conditions. A.P. Chikov. Zdrav. Kazakh. 23 no. 4:42-44 '63.

SCANDINAVIA—AGRICULTURAL MACHINERY

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Farm mechanization in the countries of the northwestern zone of Europe (Finland, Sweden, Denmark, the German Democratic Republic)] Mekhanizatsiia sel'skogo khoziaistva v stranakh Severo-Zapadnoi zony Evropy (Finliandii - Shvetsii - Danii - GDR); obzor. Moskva, 1963. 91 p. (Kompleksnaia mekhanizatsiia i avtomatizatsiia predpriiatii. Seriia I-63)
[MICROFILM]

SCANDIUM see subdivision under Ural Mountain region

SCANDIUM—ANALYSIS

Quantitative determination of scandium after its separation as an iodide complex with diantipyrylmethane [with summary in English]. V.P. Zhivopistsev, I.S. Kalmykova. Zhur. anal. khim. 19 no. 1:69-72 '64.

SCANDIUM-BERYLLIUM ALLOYS

Crystalline structure of the compound $ScBe_5$. V.S. Protasov, E.I. Gladyshevskii. Kristallografiia 9 no. 2:267-268 Mr-Ap '64.

SCANDIUM COMPOUNDS

Crystal structure of scandium compounds with some transition metals [with summary in English]. P.I. Kryp'iakevych, V.S. Protasov, IU.B. Kuz'ma. Dop. AN URSR no. 2:212-215 '64.

Spectrophotometric study of a scandium compound with xylenol orange [with summary in English]. O.V. Kon'kova. Zhur. anal. khim. 19 no. 1:73-78 '64.

SCANDIUM CRYSTALS—MAGNETIC PROPERTIES

Magnetic properties of certain d- and f-metals (single crystals and polycrystals). V.I. Chechernikov, IUliu Pop. Izv. AN SSSR. Ser. fiz. 28 no. 4:748-750 Ap '64.

SCANDIUM OXIDE

Improvement of the magnetic characteristics of magnesium-manganese ferrites by the admixture of scandium oxide. D.E. Bondarev. Izv. AN SSSR. Ser. fiz. 28 no. 3:607-610 Mr '64.

SCARLET FEVER

Effect of vaccine therapy (by electrophoresis) on the dynamics of some immunological indices in scarlet fever [with summary in English]. P.A. Alisov, A.P. Kazantsev, M.L. Orechkina. Zhur. mikrobiol., epid. i immun. 40 no. 4:26-30 Ap '63.

SCARLET FEVER—MICROBIOLOGY

Study of the epidemiological effectiveness of purified sorbed scarlet fever toxin [with summary in English]. S.L. Mitel'man. Zhur. mikrobiol., epid. i immun. 40 no. 9:61-64 S '63.

SCARLET FEVER—PREVENTIVE INOCULATION

Experimental study of combined vaccine for active immunization against scarlet fever, diphtheria, whooping cough and tetanus [with summary in English]. P.V. Pavlov and others. Zhur. mikrobiol., epid. i immun. 40 no. 9:3-10 S '63.

SCATTERING (PHYSICS)

Asymptotic equality of the differential cross sections for particles and antiparticles [with summary in English]. N.N. Meiman. Zhur. eksp. i teor. fiz. 46 no. 3:1039-1047 Mr '64.

Asymptotic relations between polarizations in crossed reactions [with summary in English]. S.M. Bilen'kii, Nguyen Van Hieu, R.M. Ryndin. Zhur. eksp. i teor. fiz. 46 no. 3:1098-1105 Mr '64.

Contribution of orientation to the scattering intensity of molecular crystals. B.K. Vainshtein. Kristallografiia 9 no. 2:162-166 Mr-Ap '64.

Dependence of the contour and width of spectral lines on the intensity and frequency of the exciting radiation. P.A. Apanasevich. Opt. i spektr. 16 no. 4:708-709 Ap '64.

SCENE PAINTING

Bobyshov, M.P. [Theater sketches; album of reproductions] Teatral'nye eskizy; al'bom reproduktsii. Leningrad, Khudozhnik RSFSR, 1961. 15 p. 18 plates (in portfolio)
(IaU)

SCHEELITE

Alloying wear-resistant tungsten hard facing with the help of a scheelite concentrate. K.Z. Zairov. Svar. proizv. no. 11:21-23 N '63.

SCHIZOPHRENIA

Avrutskii, G.IA. [Modern psychotropic drugs and their use in the treatment of schizophrenia] Sovremennye psikhotropnye sredstva i ikh primenenie v lechenii shizofrenii. Moskva, Izd-vo "Meditsina," 1964. 301 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SCHIZOPHRENIA (Continued)

Clinical and pathophysiological characteristics of the initial form of schizophrenia. A.G.Petrova. Zhur. nevr.i psikh. 64 no.1:16-24 '64.

Clinical and pathophysiological data on the onset and development of schizophrenia. N.I.Strel'tsova. Zhur. nevr.i psikh. 64 no.1:75-79 '64.

Clinical aspects of exacerbations of slowly developing schizophrenia in old age. N.G.Romanova. Zhur.nevr. i psikh. 64 no.2:250-255 '64.

Clinical aspects of late schizophrenia. N.G.Romanova. Zhur.nevr.i psikh. 64 no.1:100-107 '64.

Clinical characteristics of periodic schizophrenia according to catamnestic data. L.A.Stankevich. Zhur. nevr.i psikh. 64 no.1:35-42 '64.

Correlation of the clinical characteristics of schizophrenic conditions complicated by alcoholic intoxication with some pathophysiological and immunological indices. G.D.[illegible] Zhur.nevr.i psikh. 64 no.3:401-410 '64.

Effect of certain pharmacological preparations on the cerebral bioelectric activity in schizophrenia. A.L. Ginzburg, A.M.Denisova. Zhur.nevr.i psikh. 64 no.1:117-124 '64.

Effectiveness of aminazine therapy of terminal states in schizophrenia. M.V.Stepashenko. Zhur.nevr.i psikh. 64 no.3:434-439 '64.

Experience in the use of frenolon for the treatment of schizophrenia. I.V.Pavlova, M.IA.TSutsul'kovskaia. Zhur.nevr.i psikh. 64 no.1:125-130 '64.

Prolonged remissions in periodic schizophrenia. L.M. Verbal'skaia. Zhur.nevr.i psikh. 64 no.1:93-99 '64.

Psychotic recrudescence in the course of the circular form of schizophrenia during the puerperal period. M.M.Tadzhibaeva, P.I.Sitein. Trudy Dush.med.inst. 61:107-123 '63.

Regional blood pressure in the central retinal artery in schizophrenic patients during aminazine and reserpine therapy; a clinicophysiological study. P.G.Petrochenkov. Zhur.nevr.i psikh. 64 no.3:429-433 '64.

So-called familial schizophrenia. E.IA.Livshits. Zhur. nevr.i psikh. 64 no.1:108-115 '64.

Some characteristics of the clinical aspects and course of of schizophrenia with the appearance of autoimmunization with brain antigens. S.F.Semenov. Zhur.nevr.i psikh. 64 no.3:398-403 '64.

Spatial synchronization of the alpha-activity in the cerebral cortex in a catatonic-oneiroid form of schizophrenia. T.P.Borisova, V.A.Talavrinov. Zhur.nevr.i psikh. 64 no.3:420-427 '64.

Treatment of paranoid schizophrenia with haloperidol. IU.A.Aleksandrovskii. Zhur.nevr.i psikh. 64 no.1: 131-139 '64.

Tryptophan metabolism in patients with schizophrenia [with summary in English]. D.V.Lozovskii. Vop.med. khim. 8 no.6:616-620 N-D '62.

Variations in the course of periodic schizophrenia. L.M. Verbal'skaia. Zhur.nevr.i psikh. 64 no.3:411-419 '64.

SCHOOL DISCIPLINE

Evaluation of behavior. V.Vishnevskii. Nar.obr. no.4: 78-80 Ap '64.

How to grade behavior. V.Mel'nichaiko. Nar.obr. no.5: 85-86 My '64.

SCHOOL EXCURSIONS

Excursions across our homeland. I.Smirnov and others. Nar.obr. no.5 supplement:1-16 My '64.

Geographical excursions in primary grades. H.I.Krasnikova. Rad.shk. 42 no.2:52-56 F '64.

SCHOOL HYGIENE
(see also subdivision under Alma-Ata)

Artificial illumination in schools in Alma-Ata. N.G. Sindina. Zdrav.Kazakh. 22 no.10:66-67 '62.

Hygienic problems in the construction of new types of schools. K.I.Luchina. Vest.AMN SSSR 18 no.2:49-53 '63.

Hygienic requirements of work organization in the schools with longer hours. E.M.Vainrub. Rad.shk. 42 no.2:56-60 F '64.

Principles of medical control of polytechnical training. S.M.Grombakh. Vest.AMN SSSR 18 no.2:43-49 '63.

SCHOOL LIBRARIES see subdivision under Ramenskoye (Moscow Province)

SCHOOL SUPERVISION

Continuity in school supervision. A.Novikov. Nar.obr. no.5:88 My '64.

From the diary of a principal. I.IA.Hryshai. Rad.shk. 42 no.2:93-98 F '64.

Methods of our pedagogical "attack." V.Khodaev. Nar. obr. no.4:48-50 Ap '64.

SCHOOLCHILDREN

Schoolchildren on a visit to soldiers. S.Krukhmalev. Sov.voin 44 no.22:33 N '62.

SCHOOLCHILDREN—FOOD

Practice deserving wide dissemination. S.Petrov. Nar.obr. no.4:51-52 Ap '64.

SCHOOLHOUSES

Hygienic problems in the construction of new types of schools. K.I.Luchina. Vest.AMN SSSR 18 no.2:49-53 '63.

Naumov, S.F., and IU.I.Tiushin. [Large school buildings] Shkol'nye zdaniia bol'shoi vmestimosti. Moskva, Stroiizdat, 1964. 169 p.

Prerequisites for designing consolidated school buildings. A.A.Borovkov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:126-132 '63.

SCHOOLHOUSES—DESIGN AND CONSTRUCTION

General-education schools and boarding schools. Design specifications. Biul.stroi.tekh. 21 no.2:23-26 F '64.

SCHOOLHOUSES—LIGHTING see subdivision under Alma-Ata

SCHOOLS—LIGHTING

Electric lighting in schools of higher education. D.A. Zil'ber, V.V.Nasonov. Svetotekhnika 10 no.1:22-25 Ja '64.

SCHOOLS—MEDICAL INSPECTION

Principles of medical control of polytechnical training. S.M.Grombakh. Vest.AMN SSSR 18 no.2:43-49 '63.

SCHUBERT, FRANZ PETER, 1797-1828

[Life of Franz Schubert in documents; according to the publications of Otto Erich Deutsch and other sources] Zhizn' Frantsa Shuberta v dokumentakh; po publikatsiiam Otto Erikha Deicha i drugim istochnikam. Moskva, Muzgiz, 1963. 840 p.

SCHUNGITE

Schungite-containing shales as raw materials for the production of porous aggregates. IU.K.Kalinin. Stroi. mat. 9 no.8:12-14 Ag '63.

SCIATIC NERVE

Change in the excitability of the sciatic nerve in frogs under the influence of X rays. Kh.Kh.Irgashev. Nauch. trudy SamMI 21:162-165 '62.

Electron microscope examination of the early stages of myelination of the sciatic nerve in the chick embryo [with summary in English]. IA.IU.Komissarchik. Arkh.anat., gist.i embr. 43 no.12:69-76 D '62.

SCIENCE

Science and peace. M.I.Rubinshtein. Priroda 53 no.5: 3-7 '64.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—HISTORY

An international symposium devoted to general problems of the history of science and technology. N.I.Rodnyi. Vest.AN SSSR 34 no.2:112-113 F '64.

SCIENCE—INFORMATION SERVICES

Using the publications of the All-Union Institute of Scientific and Technological Information in the Science and Technology Library of the Azerbaijani Republic. T.A. Klimentova. NTI no.12:22 '63.

SCIENCE—METHODOLOGY
(see also subdivision under Leningrad)

Methodological problems in natural sciences. B.M.Kedrov. Vop.filos. 18 no.3:38-49 '64.

The role of symbol systems in scientific work. L.O. Reznikov. Vop.filos. 18 no.4:96-107 '64.

SCIENCE—PERIODICALS see subdivision under Uzbekistan

SCIENCE—PHILOSOPHY

Biriukov, B.V., D.I.Koshelevskii, and A.E.Furman, eds. [Dialectical materialism and problems of natural science; lectures] Dialekticheskii materializm i voprosy estestvoznaniia; lektsii. [Moskva] Izd-vo Mosk.univ., 1964. 411 p.

Budreiko, N.A. [Philosophy, physics, chemistry] Filosofiia, fizika, khimiia. [Moskva] Mosk.rabochii, 1964. 222 p. table (insert)

Lekhner, E.A. [Philosophy and contemporary natural science] Filosofiia i sovremennoe estestvoznanie [Petrozavodsk] Vysshaia shkola, 1964. 248 p.

Let's strengthen the alliance between philosophers and naturalists in the institutions of higher learning. L.IA. Stanis. Vest.vys.shkoly 22 no.4:78-84 Ap '64.

The place of philosophical problems of the natural sciences. IA.F.Askin. Vop.filos. 18 no.4:108-110 '64.

Subject matter of philosophical research related to natural sciences. I.D.Pantskhava, B.IA.Pakhomov. Vop. filos. 18 no.3:50-58 '64.

SCIENCE—STUDY AND TEACHING

Scientific and technological achievements and the independent work of students. M.I.Fedorenko. Rad.shk. 42 no.2:91-92 F '64.

SCIENTIFIC APPARATUS AND INSTRUMENTS

Analyzing the characteristics of many-rotor mechanical neutron choppers. V.G.Zolotukhin, L.P.Khamtianov, A.A.Blyskavka. Prib.i tekh.eksp. 9 no.2:36-39 Mr-Ap '64.

SCINTILLATION COUNTERS

High-pressure gas scintillation counter. N.P.Babenko, I.O.Konstantinov, IU.A.Nemilov. Prib.i tekh.eksp. 9 no.2:164-166 Mr-Ap '64.

The IR-1 energy resolution meter. G.A.Kibal'chich, IU.A.Grinchenko, V.A.Sulyga. Prib.i tekh.eksp. 9 no.2:76-78 Mr-Ap '64.

Scintillation well counter. IU.A.Akatov, V.I.Popov, N.A.Kanevskaia. Med.prom. 17 no.9:50-53 S '63.

Scintillators from tin-containing plastics. A.V. Chernobai, L.N.Kolesnikov. Prib.i tekh.eksp. 9 no.2:120-121 Mr-Ap '64.

Use of gas scintillators in studying short X-ray pulses. V.A.Perepelka. Prib.i tekh.eksp. 9 no.2:116-119 Mr-Ap '64.

SCLEROMA see Rhinoscleroma

SCLEROTINIA

Measures for protecting cucumbers from Sclerotinia libertiana and bacteriosis in greenhouses and hotbeds. M.A.Darozhkin, A.A.Sapahova. Vestsi AN BSSR.Ser. sel'hasp.nav. no.1:60-68 '64.

SCOTCH PINE see subdivision under Moscow Province

SCOWS

What should be the design of seagoing diesel-propelled mud scows? V.Sergeev. Mor.flot 23 no.12:34-37 D '63.

SCREENS (MINING)

Effect of the lumpiness of materials on the normal pressure ratio and the effective friction ratio along a vibrating surface. I.F.Goncharevich. Nauch.soob. IGD 22:179-184 '63.

SCREW-CUTTING MACHINES
(see also subdivision under Kharkov)

Use of a flexible transmission in RKS induction relays. N.F.Karnaukh. Prom.energ. 19 no.2:10 F '64.

SCREW THREADS

Effect of some kinds of screw-thread coatings on pressure distribution in threads. B.S.TSfas, G.V.Emel'ianov. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz.Kaz. sel'khoz.inst. no.1:104-105 '62.

SCROLLS, DEAD SEA see Dead sea scrolls

SCULPTURE

A great world of small sculptural forms. G.K.Vagner. Sov.arkheol. 8 no.2:257-259 '64.

SCULPTURE—TECHNIQUE

Baraschi, Constantin. [Treatise on sculpture. Translated from the Rumanian] Traktat po skul'pture. Bucharest, Izd-vo "Meridiane," 1964. 287 p. illus.

SCULPTURE, GREEK see subdivision under Chersonese (City)

SCULPTURE, HUNGARIAN

Encounters with Hungarian sculpture. I.Svetlov. Iskusstvo 26 no.12:46-53 '63.

SCULPTURE, INDIC see subdivision under Sanchi, India

SCULPTURE, TURKIC

Significance of ancient Turkic stone-carved images of men. L.R.Kyzlasov. Sov.arkheol. 8 no.2:27-39 '64.

SCYTHIAN ANTIQUITIES see subdivision under Don Valley

SCYTHIANS

Influence of classical culture on the countries of the northern Black Sea region. V.D.Blavatskii. Sov. arkheol. 8 no.2:13-26 '64.

SEA BATHS see Baths, Sea

SEALING (TECHNOLOGY)

Designing stop devices for the well-head equipment of flowing wells sealed with special lubricants. R.A. Ramazanov, A.M.Bel'tsova. Gaz.delo no.11:13-16 '63.

Hermetic sealing of products by means of epoxy compounds under vacuum. L.D.Kovchina, E.N.Fishman. Plas.massy no.5:66-67 '64.

New method for sealing flanged couplings of pipes. L.V. Korolev. Mashinostroenie no.2:28-29 Mr-Ap '64.

SEARLESITE CRYSTALS

Crystalline structure of searlesite NaBSi$_2$O$_5$(OH)$_2$. V.B.Kravchenko. Kristallografiia 9 no.2:192-199 Mr-Ap '64.

SEASHORE see subdivision under Egypt

SEASIDE RESORTS—HANDBOOKS, MANUALS, ETC. see subdivision under Crimea

SEAWATER see subdivision under Azov, Sea of

EAWATER—ANALYSIS

Chemical and spectral methods for determining trace element series in seawaters. T. K. Zhavoronkina, B. A. Skopintsev, I. T. Klimov. Okeanologiia 4 no. 2:205-212 '64.

SEAWEED

Cultivation of fodder yeast on the hydrolysates of the polysaccharides of marine algae and aquatic flowering plants. M. S. Dudkin and others. Nauch. dokl. vys. shkoly; biol. nauki no. 2:128-132 '64.

SEBACEOUS GLANDS

Embryogenesis of the sebaceous glands of the skin of a human forehead under conditions of a dry, hot climate. A. I. Shumeiko. Nauch. trudy SamMI 21:94-101 '62.

SEBACEOUS GLANDS—DISEASES

Short-wave ultraviolet therapy of seborrhea and acne with the KUF-3 lamp. M. A. Shteinberg, Z. F. Tribul'skaia. Vest. derm. i ven. 37 no. 4:70-71 Ap '63.

SECTS see subdivision under Alma-Ata; Chirchik (Uzbekistan); White Russia

SECURITY, INTERNATIONAL

Agreements (pacts) of nonaggression are an important instrument of strengthening international peace and security. G. V. Sharmazanashvili. Sov. gos. i pravo 34 no. 4:108-112 Ap '64.

SEDGES see subdivision under Carpathian Mountains

SEDIMENTATION ANALYSIS

Sedimentation and diffusion of polymer solutions studied by means of a polarization interferometer [with summary in English]. V. N. TSvetkov and others. Vysokom. soed. 6 no. 1:68-75 Ja '64.

SEDIMENTS (GEOLOGY)
(see also subdivision under Caspian Sea region; Kola Peninsula; Maritime Territory)

Physicomechanical diagenesis of clay sediments. S. P. Abramov. Trudy VSEGINGEO no. 1:183-188 '63.

Southern limits of the Pleistocene transgressive overlap in the northeast of the European part of the U.S.S.R. L. S. Troitskii. Dokl. AN SSSR 155 no. 3:576-579 Mr '64.

SEED PELLETS

Pelleting as a new method of enriching seed with metabolites. N. B. Palesiko. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:52-56 '63.

SEED PRODUCTION
(see also subdivision under Russia, Northwestern; Ukraine)

Characteristics of cytoembryological processes in potatoes (Solanum tuberosum L.) [with summary in English]. O. I. Rybchenko. Ukr. bot. zhur. 21 no. 2:37-40 '64.

Methods for sowing forage lupine for seed. V. V. Buzmakov. Zemledelie 26 no. 1:73-75 Ja '64.

Methods of sowing red clover for seed. A. V. Chirkunova. Zemledelie 26 no. 4:77 Ap '64.

SEEDLINGS

Age and time of transplantation of cucumber seedlings outdoors. N. S. Brysov. Bot.; issl. Bel. otd. VBO no. 5:164-167 '63.

SEEDS
(see also subdivision under Orenburg; White Russia)

Role of β-indolylacetic acid in seed dormancy. T. V. Daletskaia. Dokl. AN SSSR 156 no. 3:708-711 '64.

Seed productivity and quality of seeds of some introduced woody plants and shrubs. V. I. Nekrasov, N. G. Smirnova. Biul. Glav. bot. sada no. 48:11-17 '63.

Sow high-quality seeds only. V. IA. Lobanov. Zemledelie 26 no. 4:60-72 Ap '64.

Use of additional light for producing seeds of Primula obconica Hance. E. M. Fomin, A. A. Fateeva. Biul. Glav. bot. sada no. 48:91-92 '63.

SEEDS—CLEANING

Investigating the performance of a vibrating sifter during the separation of small seeds. P. I. Leont'ev. Trudy VNIIZ no. 42:146-152 '63.

SEEDS—DISINFECTION
(see also subdivision under Lvov Province)

Effect of various disinfectants on the force of emergence, and large-scale and field germination of the Siberian pea tree seeds. A. A. Prisiazhniuk. Khim. v sel'. khoz. 2 no. 2:31-33 F '64.

Foreign mercurial disinfectants. A. F. Zashch. rast. ot vred. i bol. 9 no. 4:54 '64.

SEEDS—GRADING

Studying parameters for a pneumatic seed classifier. A. S. Matveev. Mekh. i elek. sots. sel'khoz. 22 no. 1:55-56 '64.

SEEDS—MORPHOLOGY

Morphology of geranium seeds. N. N. Kaden. Nauch. dokl. vys. shkoly; biol. nauki no. 2:97-102 '64.

Variation of the morphological character of cones and seeds of the common pine. L. S. Vasilevskaia. Bot.; issl. Bel. otd. VBO no. 5:167-169 '63.

SEEDS—STORAGE

Organization of the storage of seeds on collective and state farms. Zemledelie 26 no. 1:59-65 Ja '64.

SEEDS, EFFECT OF AMMONIUM MOLYBDATES ON

Presowing soaking of seeds of vetch-oat-pea mixture in an ammonium molybdate solution. K. A. Vasil'eva. Bot.; issl. Bel. otd. VBO no. 5:170-173 '63.

SEEDS, EFFECT OF RADIATION ON

Some methodological problems of presowing gamma irradiation. A. I. Khudadatov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 12:33-37 '61.

SEEDS, EFFECT OF TRACE ELEMENTS ON

Effect of the presowing treatment of seeds with microelements on the growth and reproductive capacity of perennial lupine. V. P. Grigor'ev. Bot.; issl. Bel. otd. VBO no. 5:15-22 '63.

SEEDS, EFFECT OF VITAMINS ON

Pelleting as a new method of enriching seed with metabolites. N. B. Palesiko. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:52-56 '63.

SEEPAGE

Additional resistance to water influx in pipes. N. T. Efendiev. Dokl. TSKHA no. 87:127-133 '63.

Determining the nature and amount of seepage from artificial reservoirs and canals in the presence of permafrost. A. A. Bogushevskii. Dokl. TSKHA no. 87:65-72 '63.

Filtration under conjugated structures on canals. I. A. Vasil'eva. Dokl. TSKHA no. 87:259-264 '63.

Set of machines for constructing the seepage control aprons from betonite clays for irrigation canals. I. I. Mer. Dokl. TSKHA no. 87:501-510 '63.

Some results of the field observations of seepage in the structures of the Volga Hydraulic Power Station (22d Congress of the CPSU). M. P. Malyshev. Dokl. TSKHA no. 87:297-304 '63.

SEIFULLIN, SAKEN, 1894-1939

Bard of the Soviet epoch. Khasen Adibaev. 31[i. e. 32] no. 8:67-70 Ag '62.

SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC PROSPECTING
(see also subdivision under Korosten' District; Russian Platform)

Dislocations in the outer zone of the Ciscarpathian trough. I. I. Kharaz. Geofiz. sbor. no. 5:115-121 '63.

Seismic methods: controlled beam receptor, plane front, and transverse seismic profiling. V. D. Zav'ialov, V. I. Bonderskii. Sbor. luch. rats. predl. pt. 2:29-30 '63.

SEISMIC WAVES
(see also subdivision under Ural Mountains)

Comparison of the amplitude fields of body waves engendered in Kurile-Kamchatka and Mediterranean earthquakes. S. L. Solov'ev, O. N. Solov'eva. Izv. AN SSSR. Ser. geofiz. no. 4:483-493 Ap '64.

Periods of surface waves. T. M. Sabitova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 6:41-52 '63.

Use of models in studying certain dynamic characteristics of head waves. A. IA. D'iachkova. Geofiz. sbor. no. 5:98-100 '63.

SEISMIC WAVES—SPEED

Experience gained in detailed study of a velocity model for the upper part of the cross section under conditions of slight velocity differentiation. E. I. Gal'perin. Izv. AN SSSR. Ser. geofiz. no. 4:456-474 Ap '64.

SEISMOLOGY
(see also subdivision under Crimea; Ukraine, Eastern)

Relation between the lapse rate of vertical tectonic movements of the earth's surface and seismicity as revealed by a study made in the western half of the European part of the U.S.S.R. L. N. Bylinskaia, IU. A. Meshcheriakov. Dokl. AN SSSR 154 no. 3:586-589 Ja '64.

SEISMOMETRY
(see also subdivision under Kirghizistan)

Method for reading a seismographic record. V. D. Zav'ialov. Sbor. luch. rats. predl. pt. 2:28-29 '63.

SELENIUM
(see also subdivision under Altai Mountains; Karamazar Mountains)

Antimony-mercury formations containing selenium. Chzhun Tszia-zhun (Chung Chia-jung). Trudy IMGRE no. 10:158-170 '63.

Geochemistry of selenium and tellurium in copper-nickel deposits. O. E. IUshko-Zakharova. Trudy IMGRE no. 10:100-124 '63.

SELENIUM—ANALYSIS

Derivatives of thioglycolic acid: N-(mercaptoacetyl)-p-anisidine and N-(mercaptoacetyl)-p-toluidine as reagents for selenium [with summary in English]. A. I. Busev, Khoang Min'-tiau. Zhur. anal. khim. 18 no. 3:360-365 Mr '63.

Determination of gallium in selenium with lumogallion of the Institute of Chemical Reagents. E. A. Bozhevol'nov. Metod. anal. khim. reak. i prepar. no. 4:72-75 '62.

Determination of selenium in semiconducting materials by the fluorescence method. V. M. Vladimirova, G. I. Kuchmistaia. Zav. lab. 30 no. 5:528-529 '64.

SELENIUM CRYSTALS—GROWTH

X-ray diffraction study of the kinetics of selenium crystallization. K. P. Mamedov, Z. D. Nurieva. Kristallografiia 9 no. 2:271-273 Mr-Ap '64.

SELENOPHENE

ω-Acetyl-2-acetoselenophene (selenenoyl-2-acetone) and ω-trifluoroacetyl-2-acetoselenophene (selenenoyl-2-trifluoro acetone). IU. K. IUr'ev, N. N. Magdesieva. Metod. poluch. khim. reak. i prepar. no. 6:5-9 '62.

1,3-Dibenzoyl-1,3-di-(2-selenenoyl)-propane. IU. K. IUr'ev, N. N. Magdesieva, V. V. Titov. Metod. poluch. khim. reak. i prepar. no. 6:9-11 '62.

SELF-CULTURE

Self-education and the development of student personality. A. G. Kovalev. Sov. pedag. 28 no. 4:59-66 Ap '64.

SEMENOVKA (CRIMEA)—COINS, ANCIENT

Coins from the ancient site near the Semenovka village. I. T. Kruglikova. Num. i epig. 4:118-129 '63.

SEMICONDUCTORS

Akademiia nauk Moldavskoi SSR. Institut fiziki i matematiki. [Research on semiconductors; new semiconductor materials] Issledovaniia po poluprovodnikam; novye poluprovodnikovye materialy. Kishinev, Kartia Moldoveniaske, 1964. 173 p.

Apparatus for producing single crystals of semiconducting compounds. R. F. Mekhtiev, E. O. Osmanov, IU. V. Rud'. Prib. i tekh. eksp. 9 no. 2:179-180 Mr-Ap '64.

Apparatus for the simultaneous measurement of galvanomagnetic and thermomagnetic effects. K. T. Basova. Met. i metalloved. chist. met. no. 4:209-213 '63.

Determination of Hall effect in atomic semiconductors. E. M. Omel'ianovskii, V. I. Fistul'. Zav. lab. 30 no. 5:559-562 '64.

Effect of the addition of oxides on the semiconducting and chemical properties of vanadium pentoxide. V. P. Eliutin, IU. A. Pavlov, A. V. Manukhin. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:17-21 '64.

Faraday's rectification of the contact electrolyte - semiconductor. IU. IA. Gurevich, V. A. Miamlin. Dokl. AN SSSR 155 no. 5:1159-1162 Ap '64.

General data on nonlinear semiconductor resistances and their applications. V. V. Pasynkov. Izv. LETI no. 43:71-82 '60.

Interaction in the system gallium selenide - gallium telluride ($A^{III} B^{VI}$-type). P. G. Rustamov, B. K. Babaeva, M. G. Safarov. Azerb. khim. zhur. no. 1:133-138 '64.

Konovalov, O. M. [Semiconductor materials] Poluprovodnikovye materialy. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 212 p.

Measurement of small photoelectric signals in semiconductors. A. A. Meier. Zav. lab. 30 no. 5:562-564 '64.

Nonlinear semiconductor resistances for analog-type computing devices. G. A. Savel'ev, A. P. Sorokin. Izv. LETI no. 43:92-95 '60.

Plane nonvacuum-type electroluminescent screen. I. E. Dmitrenko, G. A. Savel'ev. Izv. LETI no. 43:100-107 '60.

"Problems of semiconductors". Reviewed by A. A. Bundel'. Zhur. fiz. khim. 36 no. 11:2568-2569 N '62.

Problems of the design of e. m. f. Hall transducers. D. D. Voeikov. Izv. LETI no. 43:157-162 '60.

Review of IA. A. Fedotov's book "Principles of the physics of semiconductor devices." S. M. Gerasimov, N. S. Spiridonov. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:126 Ja-F '64

Voltage regulators using nonlinear semiconductor resistances. IU. T. Okunev, G. A. Savel'ev. Izv. LETI no. 43:83-91 '60.

SEMICONDUCTORS—ANALYSIS

Determination of selenium in semiconducting materials by the fluorescence method. V. M. Vladimirova, G. I. Kuchmistaia. Zav. lab. 30 no. 5:528-529 '64.

SEMICONDUCTORS—CONGRESSES

Conference on semiconducting compounds held at Kishinev. D. N. Nasledov. Vest. AN SSSR 34 no. 1:100-102 Ja '64.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Relation between the paramagnetic and electric properties of some organic semiconductors. A. D. Grishina, A. V. Vannikov. Dokl. AN SSSR 156 no. 3:647-649 '64.

SEMIPALATINSK—DISABILITY EVALUATION

Disability of tuberculosis among the population of the city of Semipalatinsk. A. N. Khasenov. Zdrav. Kazakh. 23 no. 4:39-41 '63.

SEMIPALATINSK—HYPERTENSION

Comparative data on the course of hypertension under the conditions of Alma-Ata and Semipalatinsk. V. A. Sobolev. Zdrav. Kazakh. 22 no. 10:34-40 '62.

SEMIPALATINSK—MEAT INDUSTRY

[illegible] 20 no.7:32 [illegible] '64.

SEMIPALATINSK—RADIOBROADCASTING

[illegible] O.M.[illegible] Part.zhizn' [illegible] Mr '64.

SEMIPALATINSK—TUBERCULOSIS

[illegible] among the population of the [illegible] A.N.Khasenov. Zdrav.Kazakh. [illegible] '63.

SEMIPALATINSK PROVINCE—CAMELS—DISEASES AND PESTS

Allergic diagnosis of tuberculosis in camels. L.P. [illegible] Veterinariia 40 no.10:26-29 O '63.

SEMIPALATINSK PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

Establishing wage rates on the collective farms of arid [illegible] Ekon.sel'khoz. 35 no.3: [illegible] Mr '64.

SEMIPALATINSK PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Treatment of skin diseases at the mineral springs of Barlyk-Arasan. S.IA.Sergeev. Zdrav.Kazakh. 22 no.10:47-51 '62.

SEMIPALATINSK PROVINCE—HORSEFLIES

Horseflies in Semipalatinsk Province. L.P.Istomina. Paraz.sel'khoz.zhiv.Kazakh. 2:121-124 '63.

SEMIPALATINSK PROVINCE—JUSTICE, ADMINISTRATION OF

Local soviets and administrative organs of Semipalatinsk Province struggle for a strict observance of Soviet laws. M. Dairov. Sots.zakon. 40 no.12:13-15 D '63.

SEMIPALATINSK PROVINCE—RAILROADS—SANITATION

Mechanization of the disinfection of railroad cars. V.N. [illegible] Veterinariia 40 no.10:61-62 O '63.

SENGILEYEVSKAYA RESERVOIR—FISHES

Biology of commercial fishes in the Sengileyevskaya Reservoir in connection with its utilization for commercial fishing. M.S.Popova. Trudy Stavr.sel'khoz.inst. no.11:47-54 '62.

SENGILEYEVSKAYA RESERVOIR—FISHES—FOOD

Introducing new feeding substances for fishes in the Sengileyevskaya Reservoir. K.V.Savel'eva. Trudy Stavr.sel'khoz.inst. no.11:45-48 '62.

SENGILEYEVSKAYA RESERVOIR—PLANKTON

Introducing new feeding substances for fishes in the Sengileyevskaya Reservoir. K.V.Savel'eva. Trudy Stavr.sel'khoz.inst. no.11:45-48 '62.

SENILE PSYCHOSIS

F.W.Bronisch. Mental disorders in older people. E.IA. Shternberg. Zhur.nevr.i psikh. 64 no.2:303-305 '64.

J.Delay, S.Brion. Senile dementias. E.IA.Shternberg. Zhur.nevr.i psikh. 64 no.2:306-309 '64.

Psychoses induced by rheumatic fever in senility. V.K. Skobnikova. Nauch.trudy Riaz.med.inst. 14:130-136 '63.

Some forms of jealousy delirium in patients with cerebral arteriosclerosis in old age. M.G. Shchirina. Zhur.nevr.i psikh. 64 no.2:256-264 '64.

SENSES AND SENSATION

Motor and sensory disorders in dogs following limited injuries of the cerebral cortex in the region of the musculocutaneous analysor. R.G.Singatulin. Sbor.nauch. rab.IAr.med.inst. no.20:77-88 '59.

SENTENCES (CRIMINAL PROCEDURE)

G.A.Kriger's "Suspended sentence and the role of the community in its carrying out." I.Noi, A.Podchukaev. Sov.iust. 28 no.9:28-29 My '64.

Problems connected with barring a conviction due to lapse of time or annulment. V.Demin. Sov.iust. 28 no.9:6-7 My '64.

SEPARATORS (MACHINES)

Basic regularities of the working process of a cylinder cleaner. N.N.Viktorova, N.M.Ivlieva, V.A.Kubyshev. Trudy VNIIZ no.42:255-264 '63.

Effect of the parameters of a cylinder cleaner on the effectiveness of its performance. N.N.Viktorova, N.M.Ivlieva, V.A.Kubyshev. Trudy VNIIZ no.42: 243-253 '63.

Electric separation of grain mixtures. N.F.Olofinskii. Trudy VNIIZ no.42:167-176 '63.

Elements of the theory of a gamma-electron relay for a radiometric separator of potatoes. R.A.Srapeniants. Mekh.i elek.sots.sel'khoz. 22 no.1:37-40 '64.

High-speed vibration method for processing grain. A.I. Petrusov. Trudy VNIIZ no.42:57-61 '63.

Investigating the operation of a cylinder cleaner with axial oscillations. V.F.Evdokimov. Trudy VNIIZ no.42:265-277 '63.

Motion of a material point and body over rotating frictional and cellular surfaces. A.A.Rassadin. Trudy VNIIZ no.42:91-108 '63.

Principle of the action and results of investigating an experimental specimen of the grain cleaning part of a separator. A.A.Vainberg, L.I.Kotliar. Trudy VNIIZ no.42:213-230 '63.

Theory and calculations of a vibrating screen for sorting seeds and others loos materials. P.M.Zaika. Trudy VNIIZ no.42:63-75 '63.

Theory of grain self-sorting as applied to gravity separators. G.IA.Berger. Izv.vys.ucheb.zav.; pishch. tekh. no.2:91-95 '64.

Using pneumatic conveying in sorting mixtures of grain particles ground with the break systems No. 1 and No. 2. N.G.Fedotov. Trudy VNIIZ no.42:295-309 '63.

SEQUENCES (MATHEMATICS)

Some limit theorems for additive functionals of a sequence of sums of independent random variables [with summary in English]. N.P.Slobodeniuk. Ukr. mat.zhur. 16 no.1:41-60 '64.

SERBO-CROATIAN LANGUAGE—HISTORY

Basic stages in the formation of the Serbo-Croatian national language. P.A.Dmitriev. Pratsi Od.un. 152.Ser.filol.nauk no.15:221-228 '62.

SERBO-CROATIAN LANGUAGE—VERB

Fate of paired verbs of motion in Serbo-Croatian. R.V. Bulatova. Uch.zap.Inst.slav. 27:223-258 '63.

SEREBRYANSK (EAST KAZAKHSTAN PROVINCE)—REINFORCED CONCRETE PRODUCTS

Learning how to economize. V.Korovnikov. Part. zhizn' Kazakh. 34 no.3:53-55 Mr '64.

SERFDOM

Antifeudal tendencies in the Russian countryside of the 17th century [with summary in English, p. 222]. A.N. Sakharov. Vop.ist. 39 no.3:69-96 Mr '64.

SERGEEV-TSENSKII, SERGEI NIKOLAEVICH, 1876-1958

Shevtsov, I.M. [An eagle looks at the sun; about Sergeev-TSenskii] Orel smotrit na solntse; o Sergeeve-TSenskom. [Moskva] Molodaia gvardiia, 1963. 333 p.

SERGEYEVKA (MOLDAVIA)—MINERAL WATERS

Effect of the "Sergeyevka-2" mineral water on the secretion and acidity of gastric juice in an experiment on dogs. F.P.Ambros. Zdravookhranenie 7 no.1:38-41 Ja-F '64.

SERGIEV, PETR GRIGOR'EVICH, 1893-

A whole life in the peoples' service; on the 70th birthday of Petr Grigor'evich Sergiev. V.A.Nabokov. Zhur. mikrobiol., epid.i immun. 40 no.9:147-148 S '63.

SERICULTURE—EQUIPMENT AND SUPPLIES see subdivision under Turkmenistan

SERIES

Absolute summability of Cesàro's, Riesz's, and Zygmund's methods. L.V.Grepachevskaia. Dokl.AN SSSR 155 no.3:517-520 Mr '64.

Asymptotic series in the theory of nonlinear systems of ordinary differential equations [with summary in English]. O.V.Kostin. Dop.AN URSR no.4:461-464 '64.

Certain indications of the completeness of a system of root vectors of a linear operator and the summability of series over this system. A.S.Markus. Dokl.AN SSSR 155 no.4:753-756 Ap '64.

Determining the principal indices of Laurent series. I.V.Viten'ko, A.N.Kostovskii. Dokl.AN SSSR 155 no.4:732-734 Ap '64.

Multiplication of double series, the partial sums of one of which are unlimited. V.P.Tret'iakov. Izv.vys. ucheb.zav.; mat. no.1:122-124 '64.

Tauberian type theorem for $(H^{(\alpha)}, \lambda)$ methods of summation of double series. K.M.Slipenchuk. Dop.URSR no.3:312-314 '64.

SERIES, DIRICHLET'S

Growth of functions defined by Dirichlet series and some other more general series. A.F.Leont'ev. Mat.sbor. 63 no.2:227-237 F '64.

Zeroes of partial sums of Dirichlet series. S.V. Fomenko. Izv.vys.ucheb.zav.; mat. no.1:134-138 '64.

SERINE

Formation of an N-peptide bond in the interaction of o-(benzoylphenylalananyl-$1C^{14}$)N-benzoylserine with insulin [with summary in English]. M.M.Botvinik, A.P.Andreeva. Biokhimiia 27 no.6:969-976 N-D '62.

SEROLOGY

Preparation of anti-globulin serum by immunization of rabbits using the Freund method. R.K.Kaluzhenko. Lab.delo 9 no.4:41-42 Ap '63.

SEROTONIN

Role of histamine and serotonin in radiation changes in the excitability of the vagus nerve center. M.M.Gramakovskaia. Dokl.AN SSSR 156 no.1:107-110 My '64.

SERPENTINITES

Fractional separation of hydroxides of some metals from solutions obtained in the acid leaching of local serpentinites. V.N.Gaprindashvili, M.K.Kurdevanidze, D.S.Gvinepadze. Trudy Inst.prikl.khim.i elektrokhim. AN Gruz.SSR 4:45-52 '63.

Production of magnesium oxide by carbonization of an aqueous suspension of sepentinite. V.M.Kokiladze, Z.G.Nikolaishvili, N.G.Mahvenieradze. Trudy Inst. prikl.khim.i elektrokhim.AN Gruz.SSR 4:53-[illegible] '63.

SERRATIA

Nonsporogenous bacteria in the control of soil pests of agricultural crops. A.I.Sidorenko. Trudy Biol.inst. Sib.otd.AN SSSR no.10:130-140 '63.

SERUM

Effect of thyroid gland hormones on the correlation of separate protein fractions in the blood serum and liver [with summary in English]. S.A.IUsupova. Vop.med.khim. 8 no.6:586-592 N-D '62.

Fractionation of immune serums by electrophoresis in starch plates. I.I.Raikher and others. Lab.delo 8 no.7:36-39 Jl '62.

Origin of the "shining circle" phenomenon observed in using luminescent serums. IU.N.Zubzhitskii. Dokl. AN SSSR 155 no.4:927-930 Ap '64.

Quantitative determination of serum iron and copper by emission spectrum analysis. N.P.Tinakin. Lab.delo no.5:286-288 '64.

Study on the detection of Diplococcus septicus in the venous blood of oxen producing antidiplococcal serum [with summary in English]. M.M.Kal'chenko. Mikrobiol.zhur. 25 no.1:25-28 '63.

Use of zonal electrophoresis in vertical columns with a new anticonvection material (granulated polymethylmethacrylate) for purification of amine oxidase in the blood serum [with summary in English]. V.Z.Gorkin and others. Vop.med.khim. 8 no.6:638-645 N-D '62.

Utilizing dried blood serum in the Treponema pallidum immobilization reaction. N.M.Ovchinnikov, L.V. Sazonova. Lab.delo 8 no.9:12-14 S '62.

SERUM DIAGNOSIS

Determination of the diagnostic importance of hemagglutination reaction with washings from persons vaccinated with a type B, strain KRI vaccine cultivated in tissues of human embryos. A.N.Lozhkina. Vop.med.virus. no.5 pt.2:67-70 '58.

Role of the Treponema pallidum immobilization reaction in the diagnosis of false-positive results with standard serological reactions in pregnant women and patients of psychiatric hospitals. N.M.Ovchinnikov, N.M.Turanova, L.V.Sazonova. Vest.derm.i ven. 37 no.4:53-57 Ap '63.

Serologic diagnosis of influenza in Chelyabinsk in 1957. G.M.TSauzner and others. Vop.med.virus. no.5 pt.2:81-83 '58.

SERUM THERAPY

Immunological effectiveness of live vaccines and evaluation of serum prophylaxis and serum therapy in an influenza A_1 focus. M.L.Berliant. Vop.med.virus. no.5 pt.2:140-144 '59.

Results of the preparation of antigens for the purpose of obtaining an anti-influenza serum. N.N.Orlova and others. Vop.med.virus. no.5 pt.2:151-156 '58.

Treatment of chinga with a specific diplococcal serum. Report No.4. M.IA.Alfer'eva, G.V.Popov. Sbor.nauch. rab.Arkh.IEMG no.4:72-76 '60.

SERVICE INDUSTRIES
(see also subdivision under Dushanbe; Smolensk Province)

Construction of standard buildings for enterprises serving public needs. Biul.stroi.tekh. 21 no.2:20 F '64.

Katanian, N.G. [Independent contracts with service organizations] Dogovor podriada s organizatsiiami bytovogo obsluzhivaniia. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 74 p.

SERVICE INDUSTRIES—LAWS AND LEGISLATION

Akademiia navuk BSSR, Minsk. Addzel pravavykh navuk. [Legal regulations concerning personal services to the population] Pravovoe regulirovanie bytovogo obsluzhivaniia naseleniia. Moskva, Izd-vo Akad. nauk BSSR, 1963. 169 p.

SERVICE STATIONS

Automating service stations. V.I.Khutorenko, E.A. Skliazhenko. Transp.i khran.nefti i nefteprod. no.3: 18-23 '64.

Automating the priming of a motor transport fuel mixture in service stations. B.A.Frenkel', L.S.Ustimov. Transp.i khran.nefti i nefteprod. no.3:14-17 '64.

Automobile passenger and service stations of vibrated and rolled reinforced concrete. A.M.Bychkov, A.A. Ovanesian. Avt.dor. 27 no.3:21-22 Mr '64.

SERVICE STATIONS (Continued)

Lubrication service in service stations. M.A.Vorob'ev. Transp.i khran.nefti no.11:25-27 '63.

New plans for service stations. M.A.Vorob'ev. Transp. i khran.nefti i nefteprod. no.3:38-40 '64.

ERVOMECHANISMS

Electric contact servosystem with an automatic regulation of the direction of resulting feed. G.A.Monakhov, S.S.Chernikov. Stan.i instr. 35 no.4:3-7 Ap '64.

Some quality criteria in the operation of hydraulic servomotors with cutoff valves. V.S.Nemirov. Teploenergetika 11 no.5:62-67 My '64.

Switching conditions in composite servo systems with variable structures. E.B.Dudin. Izv.AN SSSR.Tekh. kib. no.2:129-139 Mr-Ap '64.

Synchronous servosystem with a variable gain constant. E.D.Demidenko. Vest.AN SSSR 34 no.1:36-38 Ja '64.

SEVASTOPOL—OCEANOGRAPHIC RESEARCH STATIONS

Hydrophysical institute in Sevastopol. A.Sheffer. Stroi. i arkhit. 11 no.10:33 O '63.

SEVASTOPOL—THEATER

"Sevastopol song." G.Savichev. Sov.voin 44 no.22: 43-44 N '62.

SEVIN

Acquisition of resistance to carbamates by insects. L.P.Bocharova. Khim.v sel'.khoz. 2 no.3:53-54 Mr '64.

SEWAGE

Hydraulic resistance of asbestos-cement pipes in pressure sewage flow. A.I.Korablev. Sbor.trud.LISI no.41:12-25 '62.

SEWAGE—PURIFICATION

Some results of the purification of fecal waters by using Chlorella. M.V.Gasanov, Kh.A.Abdullaeva, L.M. Kirillova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.5:115-120 '63.

SEWER PIPE

Sulfur sealing of joints of cast-iron sewer pipes. R.L. Ritsigson. Mont.i spets.rab.v stroi. 26 no.4:25-26 Ap '64.

SEWERAGE

Determining the regulating capacity of tanks. N.B. Serebriakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:128-131 '63.

New design of a separating chamber. A.S.Zedginidze, A.V.Bius. Trudy GPI [Gruz.] no.4:59-72 '63.

Technical and economic advantage of building a combined city sewerage system for general use. V.V.Baranov. Trudy TSNIIPodzemshakhstroia no.2:195-207 '63.

SEWERAGE—COSTS

Economic efficiency of developing a combined laying of communications in general type sewers. V.V.Baranov. Trudy TSNIIPodzemshakhstroia no.2:207-219 '63.

SEWING—EQUIPMENT AND SUPPLIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Catalog and handbook on sewing equipment] Katalog - spravochnik po shveinomu oborudovaniiu. Moskva.
Pt.2. 1963. 69 p.
[MICROFILM]

SEWING MACHINES

Breakage of sewing threads of various materials and structure on the 22-A Class PMZ sewing machine. I.V.Safronova. Nauch.-issl.trudy TSNIIShveiproma no.10:84-91 '62.

Formation of the loop overlap in shuttle sewing machines. A.I.Komissarov, V.E., Murygin. Nauch. trudy MTILP no.26:158-169 '62.

SHAFT SINKING

Construction of a tower-type reinforced concrete head frame and simultaneous use of the shaft for conducting mining operations. E.D.Levykin, A.F. Murashov. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:14-20 '63.

Form removal strength of concrete during the sinking of vertical mine shafts. A.F.Pokruchin. Shakht.stroi. 7 no.12:14-15 D '63.

Freezing system of boring deep boreholes. A.G. Bulygin. Trudy TSNIIPodzemshakhstroia no.2:61-71 '63.

Shreiber, B.P. [Bituminization in underground construction] Bitumizatsiia v podzemnom stroitel'stve. 2. izd. Moskva, Izd-vo "Nedra," 1964. 278 p.

Study of the process of the bituminization of water-bearing rock. B.P.Shreiber. Trudy TSNIIPodzemshakhstroia no.2:71-82 '63.

Way of erecting supports in upraise shafts. Ugol' 38 no.12:53-54 D '63.

Working 290, 5m of a vertical shaft in one month. S.Kh. Volobuev, R.A.Tiurkian. Shakht.stroi. 7 no.12:1-6 D '63.

SHAFT SINKING—EQUIPMENT AND SUPPLIES

Comparative testing of shaft sinking clamshells. S.I. Byderovskii, S.S.Kobyzev. Trudy TSNIIPodzemshakhstroia no.2:3-13 '63.

Efficient kinematic diagrams of shaft sinking clamshells. V.V.Kochetov. Trudy TSNIIPodzemshakhstroia no.2: 13-25 '63.

Flat revolving sieve for conditioning borehole flush muds. IU.V.Baranovskii. Trudy TSNIIPodzemshakhstroia no.2:47-56 '63.

Investigating the impact parameters,of a bore bit on rock. V.M.Levenshtein. Trudy TSNIIPodzemshakhstroia no.2:123-130 '63.

Rock breaking forces in the UKB machine boring process. I.V.Braun. Trudy TSNIIPodzemshakhstroia no.2:34-46 '63.

Studying the resistance of clamshell parts. B.G. Gorbachev. Trudy TSNIIPodzemshakhstroia no.2:25-34 '63.

SHAFTING

Centralized production of splined shafts. N.M.Trembovler. Vest.mashinostr. 44 no.4:79-82 Ap '64.

Investigating the performance of packings of rotating shafts. F.P.Snegovskii, A.M.Rudskii. Vest.mashinostr. 44 no.4:21-27 Ap '64.

Method for calculating the torque strength of hollow shafts. IA.A.Barg, A.L.Livshits. Elektrotekhnika 35 no.3:58-60 Mr '64.

Torsion of a cylindrically orthotropic shallow shaft by tangential forces distributed along the side surface. P.F.Nedorezov. Izv.AN SSSR.Mekh.i mashinostr. no.2:140-146 Mr-Ap '64.

SHAKESPEARE, WILLIAM, 1564-1616

Shakespeare. G.Mesiatseva. Nar.obr. no.4:83-84 Ap '64.

[Shakespeare and the Latvian theater] Sekspirs un Latviesu teatris [By] A.Vilsons un citi. Riga, Latvijas Valsts izd-ba, 1964. 163 p. [In Latvian]

Studying the works of W.Shakespeare in the U.S.S.R. R.M.Samarin. Vest.Mosk.un.Ser.7: Filol., zhur. 19 no.2:3-15 Mr-Ap '64.

SHAKESPEARE, WILLIAM, 1564-1616—CHARACTERS

Urnov, M.V., and D.M.Urnov. [Shakespeare; his heroes and his time] Shekspir; ego geroi i ego vremia. Moskva, Izd-vo "Nauka," 1964. 204 p. (Nauchno-populiarnaia seriia)

SHAKESPEARE, WILLIAM, 1564-1616—HISTORY

Shvedov, IU.F. [Shakespeare's historical chronicles] Istoricheskie khroniki Shekspira. [Moskva] Izd-vo Mosk. univ., 1964. 304 p.

SHAKESPEARE, WILLIAM, 1564-1616—MUSIC

Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut teatra, muzyki i kinematografii. [Shakespeare and music] Shekspir i muzyka. Leningrad, Izd-vo "Muzyka," 1964. 318 p.

SHAKESPEARE, WILLIAM, 1564-1616—TRAGEDIES

Vertsman, I.E. [Shakespeare's "Hamlet"] "Gamlet" Shekspira. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 141 p.

SHAKHDAG REGION—GEOLOGY, STRUCTURAL

Nature of recent tectonic movements in the Shakhdag Massif region (southeastern Caucasus) in connection with the discovery of Upper Sarmatian fauna. B.A. Budagov. Dokl.AN SSSR 155 no.2:330-332 Mr '64.

SHAKHRISYABZ DISTRICT—FARM MECHANIZATION

Even in Shakhrisyabz there will be many Kuchievs. R.Plungian. Part.zhizn' [Uzb.] 7 no.4:75-78 Ap '64.

SHAKHTINSK (KARAGANDA PROVINCE)—MINERS—EDUCATION AND TRAINING

Leader, teacher and friend. M.Ermakov. Part.zhizn' Kazakh. 34 no.3:68-69 Mr '64.

SHALE

Schungite-containing shales as raw materials for the production of porous aggregates. IU.K.Kalinin. Stroi. mat. 9 no.8:12-14 Ag '63.

SHAMANISM

The "Great Day" holiday among the Nganasany in the Avam Valley. IU.B.Simchenko. Trudy Inst.etn. 84: 168-179 '63.

SHAMSHURIN, IURII IVANOVICH, 1921-

Ershov, G.A. [On the road of a friend; a sketch of the life and work of IUrii Ivanovich Shamshurin] Dorogoi druga; ocherk zhizni i tvorchestva IUriia Ivanovicha Shamshurina. Irkutsk, IAkutskoe knuzhnoe izd-vo, 1963. 163 p.
(MH)

SHAUMYAN DISTRICT—SOIL MECHANICS

Compiling a soil resistivity cartogram for the "Razdan" State Farm in Shaumyan District, Armenian S.S.R. A.P.Oganesian. Trudy Arm.NIIMESKH no.1:27-44 '63.

SHAVROV, ALEKSANDR ALEKSANDROVICH, 1892-1919

A manly, fearless fighter. P.Pakhmurnyi, N.Mitropol'skaia. Part.zhizn' Kazakh. 34 no.3:70-74 Mr '64.

SHCHELKOVO (MOSCOW PROVINCE)—GAS, NATURAL—HYDRATES

Preventing the formation of hydrates in the exploitation of the Shchelkovo underground storage. IU.F.Makogon. Gaz.delo no.11:24-30 '63.

SHCHEPKIN, MIKHAIL SEMENOVICH, 1788-1863

Pages from the biography of M.S.Shchepkin. A.Hrin. Mystqtstvo 10 no.6:33-34 N-D '63.

SHEAR (MECHANICS)

Resistance to shear of gravelly and clayey ground. V.P. Vikharev. Vop.geotekh. no.5:56-73 '62.

SHEBELINKA GAS FIELD—GAS, NATURAL

Gas and gas condensate fields of Shebelinka. N.K. Smirnova. Gaz.delo no.11:54-57 '63.

SHEEP—ANATOMY

(see also subdivision under Azerbaijan; Nakhichevan A.S.S.R.)

Celiac artery in Soviet Merino sheep. IU.A.Medvedev. Trudy Stavr.sel'khoz.inst. no.11:106-112 '62.

Femoral and tibial arteries of Soviet Merino sheep in X-ray pictures. N.G.Volokushin. Trudy Stavr.sel'khoz. inst. no.11:119-124 '62.

Mesenteric arteries in Soviet Merino sheep. IU.A. Medvedev. Trudy Stavr.sel'khoz.inst. no.11:113-118 '62.

SHEEP—DISEASES AND PESTS see subdivision under Azerbaijan; Kazakhstan; Stavropol Territory

SHEEP—FEEDING AND FEEDS

Relation of feeding with the fineness of wool in sheep. A.A.Veniaminov. Vest.sel'khoz.nauki 8 no.12:135-136 D '63.

SHEEP—PARASITES see Parasites—Sheep

SHEEP—PHYSIOLOGY

Effect of phenothiazine on the activity of blood enzymes in sheep. K.I.Gavrilova. Trudy Stavr.sel'khoz.inst. no.11:101-105 '62.

Effect of some vegetative poisons and mediators of nervous excitation on the thrombocyte level and prothrombin time in sheep. F.A.Ismagulova. Trudy Inst. fiziol.AN Kazakh.SSR 5:151-153 '63.

Effect of the thyroid gland on digestive processes in the duodenum of sheep. R.M.Trofimova. Trudy Inst. fiziol.AN Kazakh.SSR 5:48-52 '63.

Effect of the thyroid gland on the secretion and enzymatic activity of bile and pancreatic juice in sheep. R.M. Trofimova. Trudy Inst.fiziol.AN Kazakh.SSR 5:53-58 '63.

Interrelationship between the lactose of milk and the glucose of blood in lactating sheep. A.V.Prokudin. Trudy Inst.fiziol.AN Kazakh.SSR 5:129-132 '63.

Reflex regulation of milk secretion in sheep. Kh.Diusembin. Trudy Inst.fiziol.AN Kazakh.SSR 5:113-121 '63.

Some data on the digestion of feed carbohydrates in the digestive tract of sheep. V.A.Moiseev. Trudy Inst. fiziol.AN Kazakh.SSR 5:19-24 '63.

Stimulating effect of some trace elements combined with phenothiazine on the organism of sheep. S.G.Sidorova, V.I.Dobrynina, V.D.Rubin. Trudy Stavr.sel'khoz.inst. no.11:97-100 '62.

Total protein and its fractions in the blood serum of sheep during pregnancy. A.IU.Kozhakhmetova. Trudy Inst.fiziol.AN Kazakh.SSR 5:144-150 '63.

SHEEP BREEDING

Characteristics of hybrid sheep of the first generation on the training farm of the Stavropol Agricultural Institute. D.S.Tarasova. Trudy Stavr.sel'khoz.inst. no.11:69-73 '62.

SHEEP BREEDS see subdivision under Kazakhstan

SHEEP HOUSES AND EQUIPMENT see subdivision under Stavropol Territory

SHEET METAL—TESTING

Methods of mechanical testing in biaxial tension of sheets. N.I.Demina, T.K.Zilova, IA.B.Fridman. Zav.lab. 30 no.5:587-592 '64.

SHELL ROOFS see Roofs, Shell

SHEMONAIKHA DISTRICT—RADIO JOURNALISM

Instant newspaper. V.Paris. Part.zhizn' Kazakh. 34 no.3:78 Mr '64.

SHEPHERD'S PURSE

Effect of shepherd's purse on the motor function of the uterus in an experiment. V.A.Konovalova. Nauch. trudy SamMI 21:208-212 '62.

SHERRY

Saenko, N.F. [Sherry] Kheres. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 161 p.

SHEVCHENKO, TARAS, 1814-1861

Book about a national epic. IE.S.Shabliovs'kyi. Rad. lit. 8 no.2:131-134 Mr-Ap '64.

SHEVCHENKO, TARAS, 1814-1861 (Continued)

Celebration of the anniversary of the great bard. I.M. [illegible] and others. Rad. shk. 42 no.2:76-83 F '64.

Connection of the bard with Odessa. I. Kozyrenko. Rad. shk. 42 no.2:77-78 F '64.

Dmukhovskii, S.E. [T.G. Shevchenko's tales, Naimyshka and Varnak; concerning the time of writing of the tales] Povesti T.G. Shevchenka Naimichka i Varnak; k voprosu o vremeni napisaniia povestei. [Dnepropetrovsk] Izd. Dnepropetrovskogo gos. univ., 1958. 141 p. (MH)

[illegible] works of Taras Shevchenko. F.P. Pohre-[illegible]. Rad. lit. 8 no.2:116-120 Mr-Ap '64.

Fedchenko, P.M. [A word about the bard; a biographical sketch] Slovo pro Kobzaria; biografichnyi narys. [Kyiv] Derzh. vyd-vo polit. lit-ry URSR [1961]. 186 p. (NN)

Formation of compound words in the poetry of T.H. Shevchenko. A.V. Maiboroda. Pratsi Od.un. 152.Ser. filol.nauk no.15:61-72 '62.

Great bard of the Ukraine. Al. Surkov. Nov. mir 40 no.3:5-9 Mr '64.

A great poet and revolutionary democrat. Z. Akhmetov. Part. zhizn' Kazakh. 34 no.3:59-64 Mr '64.

Greatness of a poet. IE.P. Kyryliuk. Rad. lit. 8 no.2: 22-30 Mr-Ap '64.

"Hired girl." L.F. Kodats'ka. Rad. lit. 8 no.2:67-74 Mr-Ap '64.

How Russian children got acquainted with the works of T.H. Shevchenko for the first time. M.M. Myronov. Rad. shk. 42 no.2:71-73 F '64.

Immortality of our bard. Rad. lit. 8 no.2:3-11 Mr-Ap '64.

In the family of the free and new. M.I. Pryhodii. Rad. lit. 8 no.2:31-43 Mr-Ap '64.

Influence of T.H. Shevchenko on public education in the prerevolutionary period. M.P. Nizhyns'kyi. Rad. shk. 42 no.2:63-71 F '64.

Ivankin, IU.O. [Commentary on Shevchenko's "Kobzar"; his poetry up to his exile] Komentar do "Kobzaria" Shevchenka; poezii' do zaslannia. Kyiv, Vyd-vo "Naukova dumka," 1964. 369 p.

Kulinych, I.M. [The poet and the tragedian; a literary and historical sketch of the friendship of the great artists, Taras Shevchenko and Ira Aldridge] Poet i tragik; istoryko-literaturnyi narys druzhby velykykh myttsiv - Tarasa Shevchenka i Aira Oldridzha. Kyiv, Naukova dumka, 1964. 70 p. (Naukovo-populiarna literatura)

Language corrections made in various editions of poetry by T.H. Shevchenko. I.S. Oliinyk. Pratsi Od.un. 152 Ser.filol.nauk no.15:20-32 '62.

Lesia Ukrainka, continuer of T.H. Shevchenko's language traditions. M.F. Boiko. Pratsi Od.un. 152.Ser.filol. nauk no.15:73-82 '62.

Literary collaboration of revolutionary democrats. A.I. Mal'dis, E.M. Martynova. Rad. lit. 8 no.2:100-108 Mr-Ap '64.

Literary ties of Shevchenko, Dobroliubov, and Marko Vovchok. T.M. Riznychenko. Rad. lit. 8 no.2:60-66 Mr-Ap '64.

Margolis, IU.D. [T.G. Shevchenko's views on history] Istoricheskie vzgliady T.G. Shevchenka. Otv. red. S.B. Okun'. [Leningrad] Izd-vo Leningr. univ., 1964. 291 p.

Militant atheism. I.M. Bilohub. Rad. lit. 8 no.2:138-141 Mr-Ap '64.

Naukova shevchenkivska konferentsiia, 11th, Lvov, 1962. [Papers of the 11th Shevchenko Conference] Zbirnyk prats'. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 310 p.

New aspect of research. H.S. Sukhobrus. Rad. lit. 8 no.2:134-135 Mr-Ap '64.

Newly found texts of T.H. Shevchenko. V.S. Borodin. Rad. lit. 8 no.2:124-130 Mr-Ap '64.

On the 150th anniversary of the birth of T.H. Shevchenko. Rad. lit. 8 no.2:153-158 Mr-Ap '64.

Poetry of T.H. Shevchenko in revolutionary Russia of the 1870's. M.P. Rud'ko. Rad. lit. 8 no.2:44-59 Mr-Ap '64.

Replies to our questionnaire "Shevchenko is with us." B. Antonenko-Davydovych and others. Rad. lit. 8 no.2:12-21 Mr-Ap '64.

Roerich and Shevchenko. IU.O. Ivakin. Rad. lit. 8 no.2:120-124 Mr-Ap '64.

Role of T.H. Shevchenko's work in the development of prerevolutionary White Russian culture. P.P. Akhrymenka. Vesti AN BSSR. Ser. hram. nav. no.1:5-14 '64.

Shabliovskii, E.S. [The people and Shevchenko's poetry] Narod i poeziia Shevchenko. Moskva, Sovetskii pisatel', 1964. 509 p.

Shevchenko and Bulgarian literature. H.M. Honcharuk. Rad. lit. 8 no.2:144-146 Mr-Ap '64.

Shevchenko and teachers. N.IA. Ovsiienko. Rad. shk. 42 no.2:74-77 F '64.

Shevchenko is our contemporary. V.E. Evdokimenko. Vop. filos. 18 no.4:126-133 '64.

Shevchenko's "Imitation of the Serbian." I.P. IUshchuk. Rad. lit. 8 no.2:112-116 Mr-Ap '64.

Some characteristics of vocalism in the poetic language of T.H. Shevchenko. M.A. Zhovtobriukh. Pratsi Od. un. 152. Ser. filol. nauk no.15:44-60 '62.

[Songs of the great bard] Pisni velykoho Kobzaria. Kyiv, Vyd-vo "Naukova dumka," 1964. 395 p.

Sources for the mastery of language in Shevchenko's "The bard." F.P. Medvediev. Pratsi Od. un. 152. Ser. filol. nauk no.15:5-19 '62.

Syntactic functions of verbal adverbs and participial constructions in the Ukrainian poetry of T.H. Shevchenko. L.I. Kolomiiets'. Pratsi Od. un. 152. Ser. filol. nauk no.15:33-43 '62.

T.H. Shevchenko's social and economic views. V. Teplyts'kyi, A. Bohachenko. Ekon. Rad. Ukr. no.2:24-31 Mr-Ap '64.

Through the pages of the tale "Artist." V.O. Sudak. Rad. lit. 8 no.2:75-81 Mr-Ap '64.

Words of our bard in Georgia. V.IE. Shubravs'kyi. Rad. lit. 8 no.2:141-143 Mr-Ap '64.

Works of Shevchenko as translated by early Surikov poets. M.M. Pavliuk. Rad. lit. 8 no.2:82-99 Mr-Ap '64.

Works of T.H. Shevchenko in foreign socialist countries. P.M. Kalenychenko. Rad. lit. 8 no.2:109-112 Mr-Ap '64.

SHEVCHENKO, TARAS, 1814-1861—BIBLIOGRAPHY see Bibliography—Shevchenko, Taras, 1814-1861

SHEVCHENKO IN LITERATURE AND ART

Shevchenko in the people's memory. N.S. Shumada. Rad. lit. 8 no.2:135-138 Mr-Ap '64.

The symphonic poem "Taras Shevchenko" by K. Dan'kevych. V. Dovzhenko. Mystetstvo 10 no.6:27-29 N-D '63.

SHIELDING (RADIATION)

Methodology of an experimental study of the shielding properties of certain materials under the action of a proton beam from the synchro-cyclotron at Dubna. V.P. Afanas'ev and others. Atom. energ. 16 no.5:437-440 My '64.

Radiation protection near particle accelerators. E.L. Stoliarova, G.A. Cherevatenko. Uskoriteli no.4:111-126 '62.

Symposium on radiation protection and safety technique in the extraction and treatment of radioactive materials. M. Bashkirtsev, N. Chesnokov. Atom. energ. 16 no.4: 381-382 Ap '64.

SHIFT SYSTEMS

Health schedule. I. Kirichenko. Nar. khoz. Kazakh. 22 no.4:56-57 Ap '64.

SHIGELLA

Biology and classification of Newcastle dysentery bacilli [with summary in English]. L.D. Grinberg. Zhur. mikrobiol., epid. i immun. 40 no.9:109-115 S '63.

Etiological significance of Bacterium alkalescens. D.A. Savenkov. Zhur. mikrobiol., epid. i immun. 40 no.9: 131-132 S '63.

Morphological changes in the internal organs of guinea pigs in conjunctival infection by dysentery bacteria and Salmonella. S.E. Gleiberman, E. Bairamova. Zdrav. Turk. 7 no.12:17-22 D '63.

Study of the soluble antigens of Flexner's bacilli in hemagglutination reactions [with summary in English]. E.A. El'chinova, Z.M. Andreeva. Zhur. mikrobiol., epid. i immun. 40 no.4:87-92 Ap '63.

SHIP PROPULSION

(see also subdivision under Great Britain)

Fitting propulsion bulbs on the propeller. V. Asinovskii, A. Lukovnikov. Mor. flot 23 no.12:37-38 D '63.

Luchanskii, I.A., and A.A. IAnovskii. [From the oar to the water jet propeller] Ot vesla do vodometa. Leningrad, Izd-vo "Sudostroenie," 1964. 208 p.

Ship propulsion of the future. Priroda 53 no.5:122 '64.

SHIP PROPULSION, ELECTRIC

Electric propulsion installations of alternating-direct current. B. Osokin. Mor. flot 23 no.12:25-26 D '63.

Methods of adjusting electric propulsion systems on "Lena"-type ships. V.E. Maltshevskii. Inform. sbor. TSNIIMF no.87. Tekh. ekspl. mor. flota no.20:93-101 '62.

Pisannikov, G.P. [Control of electric propulsion drives and their maintenance] Upravlenie rulevymi elektroprivodami i ukhod za nimi. Pod red. G.M. Nikitina. Moskva, Izd-vo "Rechnoi transport," 1963. 109 p.

SHIPBUILDING

Bykhovskii, D.G. [Oxygen-arc cutting of metals in shipbuilding] Gazoelektricheskaia rezka metallov v sudostroenii. Leningrad, Sudostroenie, 1964. 167 p.

SHIPBUILDING—EQUIPMENT AND SUPPLIES

Livshits, IA.N., and I.I. Pinson. [Means of mechanization in metal cutting by guillotine] Sredstva mekhanizatsii pri rezke metalla na gil'otine. Leningrad, Izd-vo "Sudostroenie," 1964. 48 p. (Bibliotechka po mekhanizatsii v sudostroenii)

Nakhtman, F.V. [Mechanization of minor operations the fitting-out of ship hulls] Malaia mekhanizatsiia k pusodostroechnykh rabot. Leningrad, "Sudostroenie 1964. 114 p.

SHIPBUILDING WORKERS see subdivision under Gor

SHIPFITTING

Fokin, IU.V. [Bending operation in the construction ship hulls] Opyt gibochnykh rabot v korpusostroenii. Leningrad, Sudpromgiz, 1963. 97 p.

Nakhtman, F.V. [Mechanization of minor operations the fitting-out of ship hulls] Malaia mekhanizatsiia ko pusodostroechnykh rabot. Leningrad, "Sudostroenie, 1964. 114 p.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. nos.5- My-Je '64. Avtorskii ukazatel' za 1963 g.

SHIPS—ELECTRIC EQUIPMENT

Itskovich, IU.L. [Electric drives on ships] Sudovye elektricheskie privody. Moskva, [Izd-vo "Morskoi transport,"] 1963. 583 p.

SHIPS—FIRES AND FIRE PREVENTION

For the safe return of the ships.... N. Semina. Pozh. delo no.3:24-26 Mr '64.

SHIPS—MAINTENANCE AND REPAIR

The wear of deadwood bearings is the cause of fatigue damage to propeller shafts. E. Rohlberg. Mor. flot 23 no.12:31-34 D '63.

SHIPS—WELDING

Migai, K.V., O.N. Timofeeva, and E.I. IUshtin. [Safety measures during electric welding operations in shipbuilding] Tekhnika bezopasnosti pri elektrosvarochnykh rabotakh v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 50 p. (Bibliotechka po tekhnike bezopasnosti)

SHIRTS, MEN'S

New technology for the manufacture of men's shirts. L.N. Pankova, O.I. Suslina, R.I. Lechitskaia. Nauch.-issl. trudy TSNIIShveiproma no.10:45-59 '62.

SHIRTS, MEN'S—PATTERN DESIGN

Methodology for the pattern design of men's shirts. I.A. Ter-Ovakimian and others. Nauch.-issl. trudy TSNIIShveiproma no.10:17-45 '62.

SHIRVAN STEPPE see Kura Lowland

SHKAPOVO OIL FIELD—OIL FIELD FLOODING

Quality requirements imposed upon the waters injected in the Shkapovo field. U.M. Baikov. Neftepром. delo no.3:6-9 '64.

SHKAPOVO OIL FIELD—PETROLEUM—ANALYSIS

Paraffin and ceresin potentials in Shkapovo oil. I.I. Cherek, V.V. Vorob'eva. Trudy BashNII NP no.6: 122-126 '63.

SHKAPOVO OIL FIELD—PETROLEUM GEOLOGY

Modes of occurrence of sandstones in the Pashiya horizon of the Shkapovo oil field. V.A. Dolitskii, Chen' Sen'-TSian [Chên Sên-ch'ien]. Neftegaz. geol. i geofiz. no.5:23-26 '63.

SHLIFERTOV, NIKOLAI

Unanimous decision; to accept. V. Bumagin. Komm. Vooruzh. Sil 4 no.20:57-58 O '63.

SHOCK

Diagnosis and treatment of tumors of the carotid body [with summary in English]. IA.D. Vitebskii. Vest. khir. 90 no.5:57-60 My '63.

Functional characteristics of the course of burn shock in radiation sickness. V.A. Suvorov and others. Eksper. khir. i anest. 8 no.4:10-12 Jl-Ag '63.

Pathogenesis of pneumonia in burn disease; anatomicobacterial parallels. B.L. Gel'man, R.I. Kaem, I.A. Grishina. Eksper. khir. i anest. 8 no.4:12-13 Jl-Ag '63.

Shock and its clinical manifestations in diseases and injuries of the maxillofacial region. V.S. Dmitrieva. Trudy TSIU 64:214-219 '63.

Vitamin B_1 (thiamine) content of tissues in burn shock. V.G. Borisov. Eksper. khir. i anest. 8 no.4:14-15 Jl-Ag '63.

SHOCK WAVES

(see also subdivision under Podkamennaya Tunguska Valley)

Effect of electron inertia on the width of a shock wave front in magnetohydrodynamics. Z.M. Ioffe. Zhur. tekh. fiz. 34 no.3:426-428 Mr '64.

Peculiarities of noncollisional shock waves in the relativistic plasma [with summary in English]. S.S. Moiseev. Vop. kosm. 9:171-175 '63.

"Physics of shock waves and high-temperature hydrodynamic phenomena" by IA.B. Zel'dovich and IU.P. Raizer. Reviewed by D.A. Frank-Kamenetskii. Usp. fiz. nauk 82 no.4:773-774 Ap '64.

Possibilities of polymorphic transitions during shock compression. IU.N. Riabinin, V.N. Rodionov, A.N. Dremin. Meteoritika no.24:91-98 '64.

SHOCK WAVES (Continued)

Problem of diffraction of a plane shock wave [illegible] of supersonic speed. [illegible] Mironenko. [illegible] [illegible] Ap '64.

[illegible]

[illegible] a high-speed [illegible] 40, 19. [illegible] '64.

[illegible]

SHOE INDUSTRY
(see also subdivision under Leningrad, Moscow)

[illegible]

[illegible] '64.

Shaikov, I. I., ed. [Handbook for a shoe industry worker] Spravochnik obuvshchika. Moskva, Gizlegprom. Vol. 2. 1962. 509 p.

SHOE INDUSTRY—EXHIBITIONS

[illegible]

SHOE INDUSTRY—FINANCE

[illegible]

SHOE INDUSTRY—LABOR PRODUCTIVITY

Improving the [illegible] [illegible] '64.

SHOE INDUSTRY—MANAGEMENT

[illegible]

[illegible]

SHOE INDUSTRY—PRODUCTION STANDARDS

[illegible]

SHOE INDUSTRY—TECHNOLOGICAL INNOVATIONS

[illegible]

SHOE MACHINERY

[illegible]

New press for embossing. [illegible] Kozh.-obuv. prom. [illegible] '64.

[illegible]

SHOE MACHINERY—TECHNOLOGICAL INNOVATIONS

Moscow. [illegible] [Modernization of technological equipment in shoe factories] Modernizatsiia tekhnologicheskogo oborudovaniia na obuvnykh predpriiatiiakh. Moskva, 1963. 37 p.
[MICROFILM]

SHOE MANUFACTURE

Calculation of [illegible] for the [illegible] of shoe uppers. V. M. [illegible] Kozh.-obuv. prom. [illegible] no. 10. 178-179 '64.

[illegible] Kozh.-obuv. prom. [illegible]

[illegible] Kozh.-obuv. prom. [illegible] '64.

Vorobeva, O. V., and A. I. Vlasenko. [Methods of the [illegible] of shoe upper parts] [illegible] "Legkaia industriia," 1964. 140 p.

[illegible] Kozh.-obuv. prom. [illegible] '64.

New machinery in the manufacture of [illegible] M. [illegible] Kozh.-obuv. prom. [illegible] '64.

Use of [illegible] materials in shoe manufacture. [illegible] Kozh.-obuv. prom. [illegible] '64.

SHOEMAKERS—EDUCATION AND TRAINING

From all parts of the country. [illegible] Kozh.-obuv. prom. [illegible] '64.

SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

[illegible] [illegible] Sholokhov, [illegible] [illegible] "Znanie," 1964. [illegible] p. (Special [illegible])

SHOOTING, MILITARY

According to specialties and taking account of [illegible] firing [illegible] company. P. [illegible] Voen. vest. no. [illegible] '64.

Each member of a landing force is an expert rifleman. [illegible] Voen. vest. no. [illegible] '64.

[illegible] firing at [illegible] Voen. vest. no. [illegible] '64.

[illegible] work, search for new ways and creative [illegible] Voen. vest. no. [illegible] '64.

[illegible] the commander. P. [illegible] Voen. vest. no. [illegible] '64.

[illegible] Voen. vest. no. [illegible] '64.

SHOPPING CENTERS

[illegible] '64.

SHOT PEENING

[illegible] '64.

SHOULDER JOINT—DISLOCATION

[illegible]

SHOULDER JOINT—SURGERY

[illegible]

SHRIMPS see subdivision under Black Sea

SIALIC ACIDS

[illegible]

[illegible]

[illegible]

[illegible]

SIAMESE LANGUAGE—SYLLABICATION

[illegible] '64.

SIAMESE LANGUAGE—SYNTAX

Morev, L. N. [Fundamentals of the syntax of the Tai language] [illegible] Moskva, [illegible] 1964. 120 p.

SIBERIA—AGRICULTURE—ECONOMIC ASPECTS

New works on the agrarian history of Siberia. A. M. [illegible] '64.

SIBERIA—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

[illegible]

SIBERIA—CAVES

[illegible]

SIBERIA—CONCRETE

[illegible]

SIBERIA—CONSERVATION OF NATURAL RESOURCES

[illegible]

SIBERIA—DESCRIPTION AND TRAVEL

[illegible] [illegible] [illegible] 1963. [illegible] p. [illegible]

SIBERIA—EPIC LITERATURE

[illegible] of Siberia and its characteristics. V. M. [illegible] '63.

SIBERIA—ETHNOLOGY

[illegible] '63.

SIBERIA—FOREST FIRES—PREVENTION AND CONTROL

Pay more attention to the fire protection of forests in Siberia. N. P. [illegible] Les. khoz. 17 no. [illegible] Ag '64.

SIBERIA—GEOGRAPHICAL SOCIETIES

Problems in coordinating the work of the Siberian and Far Eastern organizations of the Geographical Society of the U.S.S.R. V. B. [illegible], V. V. [illegible] Izv. Vses. geog. ob-va 96 no. [illegible] Mr-Ap '64.

SIBERIA—GEOGRAPHY—CONGRESSES

Irkutsk. Universitet. Geograficheskii fakul'tet.
[Collection of short scientific reports. Supplement to the report on research work for 1961] Sbornik kratkikh nauchnykh soobshchenii. Prilozhenie k otchetu o nauchno-issledovatel'skoi rabote za 1961 god. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 123 p.
(MH)

Nauchnoe soveshchanie geografov Sibiri i Dal'nego Vostoka. 2d, Vladivostok, 1962. [Materials of the Second Conference of the Geographers of Siberia and the Far East; abstracts of reports. Fifth section: Geography and Regional Study in School] Materialy, tezisy dokladov. V sektsiia geografii i kraevedeniia v shkole. 1962. 37 p.
[MICROFILM]

SIBERIA—GEOLOGY, STRUCTURAL

Session of the Council on the tectonics of Siberia and the Far East. A. M. Leites, I. P. [illegible] Izv. AN SSSR Ser. geol. [illegible] Ap '64.

A session on Siberian tectonics held at Irkutsk. A. M. Leites, I. P. [illegible] Vest. AN SSSR 34 no. [illegible] '64.

SIBERIA—GLACIAL EPOCH

Basic features and characteristics of Pleistocene glaciation in Siberia. V. A. [illegible] Mat. VSEGEI [illegible] '63.

SIBERIA—HORSE BREEDING

[illegible]

SIBERIA—HEROES

Siberians, participants in the war of 1812. A. I. [illegible] '64.

SIBERIA—HISTORY

[illegible] '64.

SIBERIA—INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Akademiia nauk SSSR. Sibirskoe otdelenie. Transportno-energeticheskii institut. [Annotation of works completed in 1958 on the problem "Scientific bases for the creation and development of a consolidated power system in Siberia"] Annotatsii rabot, vypolnennykh v 1958 g. po probleme "Nauchnye osnovy sozdaniia i razvitiia edinoi energeticheskoi sistemy Sibiri." Novosibirsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR, 1959. 21 p.
(DLC)

SIBERIA—LAND SETTLEMENT

New works on the agrarian history of Siberia. A. M. [illegible] '64.

SIBERIA—MAPS, EARLY

[illegible] of Siberia. L. A. [illegible] '64.

SIBERIA—NATURAL HISTORY MUSEUMS

[illegible] '64.

SIBERIA—ORE DEPOSITS

[illegible] of Siberia. [illegible] '64.

SIBERIA—PETROLEUM GEOLOGY

Oil and gas prospecting operations in Siberia during the first five years of the seven year plan and the outlook for these operations. [illegible] '64.

SIBERIA—RADIOCARBON DATING

[illegible] on the position of the [illegible] age in the chronological [illegible] of the Upper Pleistocene. [illegible] '64.

SIBERIA—RECREATION AREAS

Particulars of the organization of short-term vacations in the vicinity of large Siberian cities. [illegible] '64.

SIBERIA—STRAWBERRIES

Strawberry plantations in Siberian regions with scanty snow cover. [illegible] Trudy [illegible] '63.

SIBERIA—WATERFALLS

Waterfalls of the south of Siberia as unique monuments of [illegible] nature. [illegible] '62.

SIBERIA, EASTERN—ECONOMIC CONDITIONS

[illegible], L. A. [Social and economic development of southeastern Siberia during the second half of the 19th century] Sotsial'no-ekonomicheskoe razvitie Iugo-Vostochnoi Sibiri vo vtoroi polovine XIX v. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 491 p.

SIBERIA, EASTERN—JEHOVAH'S WITNESSES

Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR. Irkutskoe oblastnoe otdelenie. [We can't be silent; an open letter to the members of the organization of "Jehovah's Witnesses"] My ne mozhem molchat';otkrytoe pis'mo chlenam organizatsii "Svidetelei Iegovy." [Irkutsk, 1963] 14 p.
[MICROFILM]

SIBERIA, EASTERN—NAMES, GEOGRAPHICAL

Paleo-Eskimo toponyms in northeastern Siberia. G.A. Menovshchikov. Vop.iaz. 12 no.6:121-125 N-D '63.

SIBERIA, EASTERN—PALEOBOTANY, STRATIGRAPHIC

Types of periglacial vegetation of the Pleistocene of Eastern Siberia. L.V.Golubeva. Dokl.AN SSSR 155 no.4:810-813 Ap '64.

SIBERIA, EASTERN—SOIL TEMPERATURE

Thermal conditions of small streams. IU.A.Popov. Transp.stroi. 13 no.11:47-48 N '63.

SIBERIA, WESTERN—AGGREGATES (BUILDING MATERIALS)

Overall use of clay shale from Western Siberia for the production of porous aggregates. V.V.Eremenko, L.E. Vrublevskii, A.A.Bezverkhii. Stroi.mat. 9 no.8:10-12 Ag '63.

SIBERIA, WESTERN—ANIMAL MIGRATION

Migrations of squirrels in the Siberian taiga. I.V.Zykov. Okhr.prir.Sib.i Dal'.Vost. no.1:172-173 '62.

SIBERIA, WESTERN—ANTS

Introduction of red wood ant in order to protect forests from injurious insects. P.I.Marikovskii. Okhr.prir. Sib.i Dal'.Vost. no.1:174-182 '62.

SIBERIA, WESTERN—CLAY

Overall use of clay shale from Western Siberia for the production of porous aggregates. V.V.Eremenko, L.E. Vrublevskii, A.A.Bezverkhii. Stroi.mat. 9 no.8:10-12 Ag '63.

SIBERIA, WESTERN—CONSERVATION OF NATURAL RESOURCES

"Problems of conservation in Western Siberia." Reviewed by A.N.Gavrizer. Okhr.prir.Sib.i Dal'.Vost. no.1: 254-257 '62.

SIBERIA, WESTERN—FOREST INSECTS

Ecologic characteristics of trunk pests in deciduous shelterbelts of Western Siberia. A.I.Cherepanov, G.S.Zolotarenko. Trudy Biol.inst.Sib.otd.AN SSSR no.10:43-50 '63.

SIBERIA, WESTERN—HORNTAILS

Horntails (Hymenoptera, Siricidae) in Western Siberia. V.K.Stroganova. Trudy Biol.inst.Sib.otd.AN SSSR no.10:24-42 '63.

SIBERIA, WESTERN—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Introduction of red wood ant in order to protect forests from injurious insects. P.I.Marikovskii. Okhr.prir. Sib.i Dal'.Vost. no.1:174-182 '62.

SIBERIA, WESTERN—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Injurious insects and problems of conservation of the steppe woods in Western Siberia. A.I.Cherepanov. Okhr.prir.Sib.i Dal'.Vost. no.1:154-161 '62.

SIBERIA, WESTERN—LAND SETTLEMENT

Role of population migration and the mastering of the southeastern part of Western Siberia in the 18th-19th centuries. P.A.Mal'kov. Izv.Alt.otd.Geog.ob-va SSSR no.1:3-10 '61.

SIBERIA, WESTERN—MARMOTS

Preservation of marmot in Western Siberia. L.I.Galkina. Okhr.prir.Sib.i Dal'.Vost. no.1:170-171 '62.

SIBERIA, WESTERN—MITES

Gamasid mites of water rats in the forest steppe zone of Western Siberia. M.S.Davydova. Trudy Biol.inst. Sib.otd.AN SSSR no.10:109-122 '63.

SIBERIA, WESTERN—PARASITES—WATER VOLES

Gamasid mites of water rats in the forest steppe zone of Western Siberia. M.S.Davydova. Trudy Biol.inst. Sib.otd.AN SSSR no.10:109-122 '63.

SIBERIA, WESTERN—PHYTOGEOGRAPHY

From Omsk to Tashkent in search for useful plants. N.A.Plotnikov. Izv.Omsk.otd.Geog.ob-va no.5:93-103 '63.

SIBERIA, WESTERN—SQUIRRELS

Migrations of squirrels in the Siberian taiga. I.V.Zykov. Okhr.prir.Sib.i Dal'.Vost. no.1:172-173 '62.

SIBERIA, WESTERN—TENT CATERPILLARS

Dying of trees injured by the tent caterpillar Dendrolimus sibiricus. P.K.Kutuzov, A.P.Butkute. Trudy Biol.inst.Sib.otd.AN SSSR no.10:57-62 '63.

SIBERIA, WESTERN—TREES—DISEASES AND PESTS

Dying of trees injured by the tent caterpillar Dendrolimus sibiricus. P.K.Kutuzov, A.P.Butkute. Trudy Biol.inst.Sib.otd.AN SSSR no.10:57-62 '63.

Injurious insects and problems of conservation of the steppe woods in Western Siberia. A.I.Cherepanov. Okhr.prir.Sib.i Dal'.Vost. no.1:154-161 '62.

SIBERIA, WESTERN—WATER VOLES

Akademiia nauk SSSR. Sibirskoe otdelenie. Biologicheskii institut. [The water rat and its control in Western Siberia] Vodianaia krysa i bor'ba s nei v Zapadnoi Sibiri. Otv. red. A.P.Kuziakin. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 476 p.
(ICMILC)

SIBERIA, WESTERN—WILD BOAR

New data on the distribution of wild boar in Western Siberia. A.V.Fediushin. Izv.Omsk.otd.Geog.ob-va no.5:127-129 '63.

SIBERIAN ELM—DISEASES AND PESTS see subdivision under Baikal Lake region

SIBERIAN PLATFORM—OIL SANDS

Reservoir properties of the rocks of the southern part of the East Siberian Platform. E.N.Meshcherskaia. Neftegaz.geol.i geofiz. no.3:24-28 '64.

SIBERIAN PLATFORM—ROCKS, IGNEOUS

Magmatic differentiation of trap rocks in the Siberian Platform [with summary in English]. A.A.Kuznetsov. Vest.LGU 19 no.6:145-148 '64.

SIDERITE

Possible siderite oxidation by water under conditions of regional metamorphism. IU.P.Mel'nyk. Dop.AN URSR no.3:361-365 '64.

SIEVES

Calculating inclined flat vibrating screens. L.P. Stepanov. Trudy VNIIZ no.42:311-317 '63.

Effect of the direction of the oscillations of flat screens on the efficiency of screening. A.I.Taran. Trudy VNIIZ no.42:189-202 '63.

Effect of the movement of air through an oscillating sifter on the state of the "bed" of grain or its ground products. K.V.Drogalin. Trudy VNIIZ no.42:279-293 '63.

Elements of the theory of sizing seed corn by means of shaped sifters. V.M.TSetsinovskii. Trudy VNIIZ no.42:177-188 '63.

Flat revolving sieve for conditioning borehole flush muds. IU.V.Baranovskii. Trudy TSNIIPodzemshakhtstroia no.2:47-56 '63.

Fundamentals of the classification of screening machines. IA.I.Leikin. Trudy VNIIZ no.42:7-17 '63.

Investigating the performance of a vibrating sifter during the separation of small seeds. P.I.Leont'ev. Trudy VNIIZ no.42:145-152 '63.

Laminar flow of ground grain products during separation on flat sifters. V.V.Gortinskii. Trudy VNIIZ no.42: 19-28 '63.

Results of investigating the process of vibration screening in grain dressing. V.A.Perov. Trudy VNIIZ no.42: 319-325 '63.

Some methods for increasing the efficiency of grain screens. A.I.Liubimov. Trudy VNIIZ no.42:231-238 '63.

Theoretical principles underlying the laminar flow of loose material over sifters and vibrating surfaces. A.N.Zhuravlev. Trudy VNIIZ no.42:29-46 '63.

SIGNALS AND SIGNALING

Light intensity of the signal lights of indoor signaling systems. A.N.Korolev. Svetotekhnika 10 no.4:18-20 Ap '64.

Signalization system using telephone communication lines. D.P.Gorbunova, F.R.Fradkin. Mekh.i avtom.proizv. 18 no.4:47-48 Ap '64.

SIGNORET, SIMONE, 1921-

Sokol'skaia, A.L. [Simone Signoret] Simona Sin'ore. Leningrad, "Iskusstvo," 1964. 133 p. illus. (Mastera zarubezhnogo kinoiskusstva)

SIGNS AND SYMBOLS

The role of symbol systems in scientific work. L.O. Reznikov. Vop.filos. 18 no.4:96-107 '64.

*SIKHOTE-ALIN' RANGE—GALLIUM

Gallium in the ores and minerals of the Khrustal'noye deposit. O.V.Vershkovskaia. Trudy IMGRE no.10: 201-208 '63.

SIKHOTE-ALIN' RANGE—GRANITE

Structural position of Upper Mesozoic and Cenozoic granitoids in the Sikhote-Alin' Mesozoic folding. M.S.Nagibina. Izv.AN SSSR.Ser.geol. 29 no.5:3-8 My '64.

SILANE

Absorption method of separating methylchlorosilanes and the recovery of unreacted methyl chloride in the process of direct synthesis. A.Ermakova, N.G.Morozov. Zhur.prikl.khim. 37 no.4:922-925 Ap '64.

Bromo- and acetoxy derivatives of dihydridoparaphenyldisilanes. N.S.Nametkin and others. Dokl.AN SSSR 155 no.5:1126-1129 Ap '64.

Design of reactors for the synthesis of methylchlorosilanes taking the kinetic factors into account. R.S.Fraiman. Zhur.prikl.khim. 37 no.4:911-914 Ap '64.

Initiation of the reaction of chlorination of methylchlorosilanes with acetylcyclohexylsulfonyl peroxide. G.V. Motsarev, V.R.Rozenberg. Zhur.prikl.khim. 37 no.4:920-922 Ap '64.

Studying the purification by rectification of methylphenyldichlorosilane with the method of radioactive indicators. A.A.Efremov, IA.D.Zel'venskii. Khim.prom. no.3: 201-207 Mr '64.

Thermal decomposition of trichloromethyltrichlorosilane. G.V.Motsarev, V.R.Rozenberg. Zhur.prikl.khim. 37 no.4:747-749 Ap '64.

SILICA

Adsorption and heat of adsorption of various vapors on a trimethylsilylized aerosil surface [with summary in English]. I.IU.Babkin, A.V.Kiselev. Zhur.fiz.khim. 36 no.11:2448-2456 N '62.

Temperature coefficient of the dielectric constant of sorbed water [with summary in English]. I.V. Zhilnenkov. Zhur.fiz.khim. 36 no.11:2400-2412 N '62.

SILICA—TOXICOLOGY

Toxic properties of powdered silica gel. IU.K.Koretskaia. Sbor.nauch.rab.IAr.med.inst. no.21:59-67 '59.

SILICATE BACTERIA see Bacteria, Silicate

SILICATES

(see also subdivision under Ukraine)

Effect of gypsum on the strength of silicate products. N.Dzhabarov, V.Zlatanov. Stroi.mat. 9 no.8:39-40 Ag '63.

Refractory concrete on silicate binding material. N.V. Il'ina, L.I.Skoblo. Trudy Giprotsement no.26:141-151 '63.

SILICIC ACID

Rapid determination of silicic acid in mineral raw materials. V.A.Khalizova, A.IA.Alekseeva, E.P.Smirnova. Zav.lab. 30 no.5:530-531 '64.

SILICON

Ohmic contacts to n-silicon. B.L.Bolchenko. Prib.i tekh.eksp. 9 no.2:177-178 Mr-Ap '64.

SILICON—ANALYSIS

Interaction between molybdenum (VI) and iron (III) in a weak acid solution. N.A.Zhukova, L.I.Lebedeva. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.2:164-165 '64.

Spectral determination of silicon in monomeric and polymeric organosilicon compounds. A.P.Kreshkov, IU.IA. Mikhailenko, E.A.Kuchkarov. Zav.lab. 30 no.5:555-556 '64.

SILICON ALLOYS

Role of the molecular composition of a stream of alloying elements in the production of germanium and silicon films under vacuum. V.V.Postnikov. Kristallografiia 9 no.2:300-302 Mr-Ap '64.

Some structural characteristics of high alloy silicon single crystals. V.G.Fomin and others. Kristallografiia 9 no.2:219-220 Mr-Ap '64.

SILICON CHLORIDES

Determination of boron with benzoin in silicon tetrachloride. G.I.Kuchmistaia. Metod.anal.khim.reak.i prepar. no.4:69-72 '62.

SILICON COMPOUNDS

Cleavage of silicon-containing organoaluminum compounds by aluminum bromide. V.F.Mironov, A.L.Kravchenko. Izv.AN SSSR.Ser.khim. no.4:768-770 Ap '64.

SILICON CRYSTALS, EFFECT OF RADIATION ON

Kinetics of the photoconductivity of n-silicon single crystals irradiated by fast electrons. A.N.Sevchenko, V.D.Tkachev. Dokl.AN BSSR 8 no.3:147-149 Mr '64.

SILICON DIODES

Manufacture of rectifying elements from silicon carbide. T.E.Kharlamova. Izv.LETI no.43:136-140 '60.

Photoelectric properties of oven p-n junctions in silicon carbide. G.F.Kholuianov. Izv.LETI no.43:150-156 '60.

Properties of p-n junctions in silicon carbide. G.F. Kholuianov, T.E.Kharlamova. Izv.LETI no.43:141-149 '60.

SILICON HYDRIDES

Addition of silicon hydrides to β-propargylhydroxypropionitrile. S.I.Sadykhzade, R.Sultanov, E.M. Khalilova. Azerb.khim.zhur. no.1:57-62 '64.

SILICON ISOTOPES

Isotopic analysis of silicon with the aid of a mass spectrometer. R.G.Arshakuni, A.M.Kolchin, G.M.Panchenkov. Zhur.fiz.khim. 37 no.3:677-679 Mr '63.

SILICON ORGANIC COMPOUNDS

Analyzing the characteristics of organosilicon polymers containing hydroxyphenol groups. A. A. Zhdanov and others. Plast. massy no. 5:23-26 '64.

Durability of hydraulic concrete with organosilicon additions. V. M. Moskvin, V. G. Batrakov. Transp. stroi. 13 no. 11:51-53 N '63.

Homolytic reactions of organogermanium and organosilicon compounds of mercury. N. S. Viazankin, G. A. Razuvaev, E. N. Gladyshev. Dokl. AN SSSR 155 no. 4:830-832 Ap '64.

Organosilicon compounds with thienylene-carbon links. N. S. Nametkin, T. I. Chernysheva, L. I. Kartasheva. Dokl. AN SSSR 156 no. 3:608-611 '64.

Radiation-induced chlorination of some organochlorosilanes and organopolysiloxanes. R. V. Dzhagatspanian and others. Dokl. AN SSSR 155 no. 5:1163-1166 Ap '64.

Rate of thermal decomposition of unsaturated organosilicon peroxides. A. K. Litkovets, T. I. IUrzhenko. Dokl. AN SSSR 154 no. 3:679-682 Ja '64.

Silicocyclobutanes. Strength of the Si - C bond in the silicocyclobutane ring and the synthesis of new silicocyclobutane derivatives. N. S. Nametkin, V. M. Vdovin, P. L. Grinberg. Dokl. AN SSSR 156 no. 4:849-852 Ap '64.

Synthesis of silicon-containing unsaturated acetates. E. M. Khalilova, R. Sultanov, S. I. Sadykhzade. Azerb. khim. zhur. no. 1:97-103 '64.

2,4,6-tris (trimethylsilyl)-1-phenoxyl, a monomer radical relatively resistant to oxygen. M. L. Khidekel' and others. Izv. AN SSSR. Ser. khim. no. 4:776 Ap '64.

Use of silicon organic compounds for the modification of the hair covering of fur sheep skins. G. M. Aksenova, IU. N. Aronina. Nauch. trudy MTILP no. 26:85-88 '62.

SILICON ORGANIC COMPOUNDS—SPECTRA

Spectral determination of silicon in monomeric and polymeric organosilicon compounds. A. P. Kreshkov, IU. IA. Mikhailenko, E. A. Kuchkarev. Zav. lab. 30 no. 5:555-556 '64.

SILK

Specificity in the biosynthesis of silk fibroin. IU. B. Filippovich, N. N. Beliaeva. Dokl. AN SSSR 155 no. 2:468-469 Mr '64.

SILKWORMS

RNA synthesis in the silk gland of the mulberry silkworm. V. N. Smirnov and others. Dokl. AN SSSR 155 no. 4:957-960 Ap '64.

SILOXANES

Hydrophobic hydrogen-silica adsorbent with a Si-H bond (xerogel of polysiloxane hydride). I. B. Slinıakova, G. B. Budkevich, I. E. Neimark. Dokl. AN SSSR 154 no. 3:602-604 Ja '64.

Effect of the chain structure of the molecules of liquid polymethylphenyl siloxanes on some of their properties. M. V. Sobolevskii, D. V. Nazarova. Plast. massy no. 5:19-22 '64.

SILT

Average annual distribution of the runoff of suspended silt carried by the rivers of Central Asia. O. P. Shcheglov. Nauch. trudy TashGU no. 213. Geog. nauki no. 24:13-18 '63.

Using thixotropic phenomena for strengthening the artificial colmatage of soils. B. I. Kosov. Dokl. TSKHA no. 87:201-210 '63.

SILVER CHLORIDE

Silver chloride half-cell and the method for determining its standard potential in the circuits without transfer. D. K. Kollerov, N. V. Kuznetsova, I. L. Skorik. Trudy inst. Kom. stand., mer i izm. prib. no. 68:42-58 '63.

SILVER COMPOUNDS

Composition of thiourea complexes of silver formed during amperometric titration [with summary in English]. N. N. Kuz'mima, O. A. Songina. Zhur. anal. khim. 18 no. 3:323-328 Mr '63.

Refractometric study of high-temperature phase transitions in $AgNO_3$ and Ag_2SO_4 crystals. IU. I. Vesnin. Kristallografiia 9 no. 2:289-292 Mr-Ap '64.

SILVER ELECTRODES see Electrodes, Silver

SILVER FOX—DISEASES AND PESTS see subdivision under Kazakhstan

SILVER HALIDES

Luminescence studies of the role played by admixed silver centers in the photolysis of silver halides. V. M. Belous, K. V. Chibisov. Dokl. AN SSSR 156 no. 1:121-124 My '64.

SILVER ISOTOPES—ANALYSIS

Determination of the isotopic composition of silver with an MI-1305-type mass spectrometer. N. P. Grudinkina. Trudy inst. Kom. stand., mer i izm. prib. no. 68:117-119 '63.

SILVER PLATING

Cathodic polarization in the electrodeposition of silver from ferrocyanide electrolytes. R. IU. Bek, N. T. Kudriavtsev, E. A. Nechaev. Zhur. fiz. khim. 36 no. 11:2506-2508 N '62.

SILVERSMITHING see subdivision under Armenia

SIMILITUDE, THEORY OF

Present simulation techniques in the solution of scientific and technical problems. V. A. Venikov. Izv. AN SSSR. Energ. i transp. no. 2:141-159 Mr-Ap '64.

SIMULATION METHODS

Process of collisions between deformable bodies and its simulation. Part 3. L. V. Beliakov, F. F. Vitman, N. A. Zlatin. Zhur. tekh. fiz. 34 no. 3:519-522 Mr '64.

Scattering of ultrasonic Rayleigh waves on models of surface defects. I. A. Viktorov, T. M. Kaekina. Akust. zhur. 10 no. 1:30-33 '64.

SINGING—INSTRUCTION AND STUDY

Jakobsone, I., I. Paberza, and E. Kruze. [Methodological instructions for using textbooks in the study of singing for grades 1-4] Metodiski noradijumi, ka stradat ar dziedasanas gramatam pirmajas cetras klases. Riga, Latvijas Valsts izd-ba, 1963. 46 p. [In Latvian]

Nazarenko, I. K. [Art of singing; sketches and materials on the history, theory and practice of artistic singing. An anthology] Iskusstvo peniia; ocherki i materialy po istorii, teorii i praktike khudozhestvennogo peniia. Khrestomatiia. Izd. 2., perer. i dop. Moskva, Muzgiz, 1963. 511 p. illus.

SINHALESE LANGUAGE

Vykhukholev, V. V. [The Sinhalese language] Singal'skii iazyk. Moskva, Izd.-vo "Nauka," 1964. 74 p. (IAzyki narodov Azii i Afriki)

SINKHOLES see subdivision under Izyumka Valley; Kulunda Steppe

SINTERING

Method of calculating a sintering charge. E. F. Vegman. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:28-32 '64.

Methods of testing iron ore products on their ability to undergo sintering. I. A. Shkliarevich. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:37-38 '64.

Standardizing conditions of sintering in laboratory equipment. M. S. Bykov. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:39-42 '64.

SINUSITIS

Viral influenza in ducklings. M. T. Prokof'eva, E. I. Gurova, P. E. TSimokh. Veterinariia 40 no. 10:33-35 O '63.

SIPHONS

Experimental studying of vacuum drainage. B. M. Degtiarev. Dokl. TSKHA no. 87:143-148 '63.

SIRYUYUMUNSI, THADEE, 1927-

Thadée Siryuyumunsi. Nov. vrem. 21 no. 21:31 My '64.

SKATING

Podar', G. K., and E. P. Stepanenko. [Ice skating; manual for Children's Sports Schools and school collectives of physical culture] Kon'kobezhnyi sport; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 150 p.

SKIN

Skin surface pH changes under the influence of acetone, benzine and white spirit [with summary in English]. V. I. Rogailin. Vest. derm. i ven. 37 no. 5:20-26 My '63.

SKIN—BLOOD SUPPLY

Blood supply of transplanted skin flaps in acute (experimental) radiation injury. V. S. Dmitrieva. Trudy TSIU 64:134-142 '63.

SKIN—CALCIFICATION

Case of calcinosis of the skin. P. S. Basargin. Zdrav. Kazakh. 22 no. 10:72-74 '62.

SKIN—DISEASES

Abstracts. Vest. derm. i ven. 37 no. 4:77-82 Ap '63.

Basis for treating certain dermatoses with radioactive phosphorus (P^{32}) [with summary in English]. P. G. Gadzhiev. Vest. derm. i ven. 37 no. 5:35-40 My '63.

Book reviews. M. P. Batunin. Vest. derm. i ven. 37 no. 4:75-76 Ap '63.

Changes in the skin in rheumatic fever. IU. V. Postnov. Nauch. trudy Riaz. med. inst. 14:243-250 '63.

Clinical manifestations of cryoglobulinemia. G. E. Shinskii. Vest. derm. i ven. 37 no. 4:32-36 Ap '63.

Copper content in the blood and urine of patients with psoriasis and lupus erythematosus. Z. Zh. Gude, N. I. Tumesheva. Vest. derm. i ven. 37 no. 4:37-39 Ap '63.

Dispensary service for skin disease patients. P. V. Kozhevnikov. Nauch. trudy GIDUV no. 12:115-128 '57.

Dissertations on skin and venereal diseases before the Great October Revolution. A. S. Chubarova, L. I. Kocharova. Nauch. trudy GIDUV no. 12:120-136 '57.

Duhring's dermatitis herpetiformis with involvement of the internal organs. A. G. Lepiavko, T. T. Glukhen'kii. Vest. derm. i ven. 37 no. 5:71-72 My '63.

Functional disorders of the nervous system in patients with secondary eruptions (allergids, microbids). V. A. Khilkov. Vest. derm. i ven. 37 no. 4:26-32 Ap '63.

Intrafocal administration of amphotericin B in the treatment of chromomycosis. IU. A. Timokhovskii. Vest. derm. i ven. 37 no. 4:48-52 Ap '63.

Lass, D. I. [Virus diseases of the skin] Virusnye bolezni kozhi. Moskva, Meditsina, 1964. 31 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Mashkilleison, L. N. [Treatment and prevention of skin diseases] Lechenie i profilaktika kozhnykh boleznei. 2., dop. i ispr. izd. Moskva, Izd-vo "Meditsina," 1964. 543 p.
(DNLM)

Materials on the histopathology of the skin in rheumatic fever. IU. V. Postnov. Nauch. trudy Riaz. med. inst. 14:42-67 '63.

Rate of desquamation of the horny layer of affected and obviously normal skin in some skin diseases. L. I. Vasil'eva. Nauch. trudy GIDUV no. 12:41-59 '57.

Skin diseases among residents of old age homes. A. IA. Brailovskii. Vest. derm. i ven. 37 no. 4:16-19 Ap '63.

Skin lesions in chronic lympholeucosis. I. I. Pototskii. Vest. derm. i ven. 37 no. 5:3-7 My '63.

Some data on the neurogenic pathogenesis and treatment of eczema and neurodermatitis; clinicophysiological study. A. I. Brind. Vest. derm. i ven. 37 no. 4:9-16 Ap '63.

Sukharev, V. I. [Physiotherapy and health resort treatment of skin diseases; including X-ray and radiotherapy] Fizioterapiia i kurortoterapiia kozhnykh boleznei; vkliuchaia rentgeno- i radioterapiiu. 3. isp. i dop. izd. Moskva, Medgiz, 1964. 262 p.
(DNLM)

Transformation of Pautrier-Woringer lipopigmentary reticulosis into reticulosarcoma [with summary in English]. IU. P. Likhachev. Vest. derm. i ven. 37 no. 5:13-16 My '63.

Treatment of skin diseases at the mineral springs of Barlyk-Arasan. S. IA. Sergeev. Zdrav. Kazakh. 22 no. 10:47-51 '62.

SKIN—PERMEABILITY

Penetration of methane into the human skin in balneological procedures. E. V. Iosifova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:259-263 My-Je '63.

SKIN—SURGERY

Characteristics of the treatment of keloid scars. K. F. Sibileva. Trudy TSIU 64:120-125 '63.

SKIN—TUMORS

Characteristics of the treatment of keloid scars. K. F. Sibileva. Trudy TSIU 64:120-125 '63.

SKIN—WOUNDS AND INJURIES

Comparative characteristics of the effect on the body of a thermal lesion and removal of a large area of skin under experimental conditions. N. I. Kochetygov. Eksper. khir. i anest. 8 no. 4:6-9 Jl-Ag '63.

SKIN GRAFTING

Abstracts. Vest. derm. i ven. 37 no. 4:77-82 Ap '63.

Blood supply of transplanted skin flaps in acute (experimental) radiation injury. V. S. Dmitrieva. Trudy TSIU 64:134-142 '63.

Characteristics of plastic surgery for skin defects on the surface of the foot. A. K. Tychinkina. Kaz. med. zhur. no. 6:27-28 N-D '62.

Content of ascorbic acid in a skin autograft implanted under the skin. M. D. Kiverin, Z. I. Kiverina. Eksper. khir. i anest. 8 no. 4:15-19 Jl-Ag '63.

Early necrectomy in extensive burns; experimental research [with summary in English]. N. I. Kochetygov. Vest. khir. 90 no. 5:88-92 My '63.

Flattened Filatov's graft in restorative surgery on the face. M. P. Sheftel'. Trudy TSIU 64:60-67 '63.

Method of synthesis of the flattened T-shaped Filatov's graft with plastic formation of its pedicles. M. P. Sheftel'. Trudy TSIU 64:68-72 '63.

Morphological changes in the skin of a free flap transplanted to the face. K. E. Sherputovskaia. Kaz. med. zhur. no. 6:29-31 N-D '62.

Odessa. Meditsinskii institut. [Use of Filatov's circular flap in the clinic; collection of scientific papers] Primenenie kruglogo filatovskogo steblia v klinike; sbornik nauchnykh rabot. Kiev, Gosmedizdat USSR, 1963. 262 p.
(DNLM)

SKOBLO, MAKS SOLOMONOVICH, 1899-1963

M. S. Skoblo. Zhur. nevr. i psikh. 64 no. 2:318 '64.

SKUIBIN, VLADIMIR

The last article of Vladimir Skuibin. S. Freilikh. Isk. kino 34 no. 2:53-54 '64.

SKULL—RADIOGRAPHY

Experimental intraosseous diploë- and sinusography. A. A. Telegina. Eksper. khir. i anest. 7 no. 4:12-16 Jl-Ag '62.

SKULL—SURGERY

Osteomas of the cranium according to data of the otorhinolaryngological department of the N. A. Semashko Clinical Hospital for a period of ten years [with summary in English]. V. A. Simolin, S. I. Alekseev. Zhur. ush., nos. i gorl. bol. 23 no. 6:33-35 N-D '63.

SKULL—SURGERY (Continued)

Plastic surgery of the cranial roof. G. B. Titiner. Eksper. khir. i anest. 7 no. 4:10-12 Jl-Ag '62.

Use of elastic plastics in closing cranial defects in a growing organism. A. A. Ol'shanetskii, A. IU. Svidler. Eksper. khir. i anest. 7 no. 4:6-10 Jl-Ag '62.

SKULL—TUMORS

Osteomas of the cranium according to data of the otorhinolaryngological department of the N. A. Semashko Clinical Hospital for a period of ten years [with summary in English]. V. A. Simolin, S. I. Alekseev. Zhur. ush., nos. i gorl. bol. 23 no. 6:33-35 N-D '63.

SKYHOOKS see Mine roof bolting

SLAG

Activation of granulated blast furnace slags by some alkaline activators [with summary in English]. I.O. Pashkov, O.O. Starchevs'ka. Dop. AN URSR no. 4:514-517 '64.

Conference on metal refining in the ladle by liquid synthetic slag. A.G. Shalimov. Stal' 23 no. 3:232-233 Mr '64.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Metallurgical slag in the construction industry] Metallurgicheskie shlaki v stroitel'stve. Kiev, Gosstroiizdat USSR, 1964. 235 p.

SLAG—ANALYSIS

Changes in the homogeneity of basic slag during the scrap process and its effect on the desulfuration of the metal. P.F. Zakora and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 5:58-62 '64.

Content of ferrous oxide in slag before deoxidation and the quality of alloyed, low-carbon, open-hearth steel. D. IA. Povolotskii and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:43-47 '64.

SLATE

Experience in the production of slate from sand cement. K. P. Iotautas. Stroi. mat. 10 no. 1:21-22 Ja '64.

SLAUGHTERING AND SLAUGHTERHOUSES

Booth for cattle sorting. N. Sheiko. Mias. ind. SSSR 34 no. 6:41-42 '63.

Role of the slaughtering stations and slaughtering platforms in the improvement of the quality of raw leather. P. IA. Khavkunov, P. S. Sunduk'ian. Kozh.-obuv. prom. 6 no. 4:10-13 Ap '64.

SLAUGHTERING AND SLAUGHTERHOUSES—BY-PRODUCTS

Hydrolysis method for fat extraction from soft raw fatty substances. S. G. Liberman, V. P. Petrovskii. Trudy VNIIMP no. 13:3-25 '62.

SLAUGHTERING AND SLAUGHTERHOUSES—EQUIPMENT AND SUPPLIES

Economic efficiency of the use of conveyors in cattle slaughtering and carcass dressing. N. M. Mitusova. Trudy VNIIMP no. 13:162-170 '62.

SLAVERY see subdivision under Rome; Greece

SLAVIC LANGUAGES

Martynov, V. V. [Linguistic methods for the basis of the hypothesis of the Vistula-Oder homeland of the Proto-Slavs] Lingvisticheskie metody obosnovaniia gipotezy o vislo-odrskoi prarodine slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 42 p. (V Mezhdunarodnyi s"ezd slavistov. Doklady)
(MH)

SLAVIC LANGUAGES—DIALECTS

Akademiia nauk SSSR. Institut russkogo iazyka. [Problems of dialectology of eastern Slavic languages] Voprosy dialektologii vostochnoslavianskikh iazykov. Moskva, Izd-vo "Nauka," 1964. 205 p.

SLAVIC LANGUAGES—GRAMMAR, COMPARATIVE

Stems ending in "-i-" in proto-Slavic. R. Ekkert. Uch. zap. Inst. slav. 27:3-133 '63.

SLAVIC LANGUAGES—INFINITIVE

Forms of the infinitive in modern Slavic languages. S. A. Savitskaia. Pratsi Od. un. 152. Ser. filol. nauk no. 15: 191-196 '62.

SLAVIC LANGUAGES—PHONETICS

Interpretation of phonetic frequency. V. A. Nikonov. Uch. zap. Inst. slav. 27:259-270 '63.

SLAVIC LANGUAGES—PRONOUN

Some formations from pronominal stems in modern Slavic languages. N. I. Bukatevich. Pratsi Od. un. 152. Ser. filol. nauk no. 15:197-211 '62.

SLAVIC LANGUAGES—SYNTAX

Some problems of typological and comparative-historical syntax. S. I. Siatkovskii. Vop. iaz. 12 no. 6:69-83 N-D '63.

SLAVIC LANGUAGES—WORD FORMATION

Some formations from pronominal stems in modern Slavic languages. N. I. Bukatevich. Pratsi Od. un. 152. Ser. filol. nauk no. 15:197-211 '62.

SLAVIC LANGUAGES—WORDS

Slavic-Germanic lexical isoglosses. V. V. Martynov. Uch. zap. Inst. slav. 27:134-153 '63.

Stems ending in "-i-" in proto-Slavic. R. Ekkert. Uch. zap. Inst. slav. 27:3-133 '63.

SLAVIC LITERATURE—BIBLIOGRAPHY see Bibliography—Slavic literature

SLAVIC LITERATURE—HISTORY AND CRITICISM

Historicocomparative study of Slavic literatures. N. I. Kravtsov. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 2:16-29 Mr-Ap '64.

Problems of literary criticism discussed at the Fifth International Congress of Slavists. E. Z. TSybenko. Vest. Mosk. un. Ser. 7: Filol., zhur. 19 no. 2:30-39 Mr-Ap '64.

Vetrov, David. [Literary portraits] Literaturnye portrety. Kishinev, Kartia moldoveniaske, 1962. 133 p. [In Moldavian]
(MH)

SLAVIC PHILOLOGY

Leningrad. Universitet. [Slavic philology; papers] Slavianskaia filologiia; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1964. 161 p.

SLAVIC PHILOLOGY—BIBLIOGRAPHY see Bibliography—Slavic philology

SLAVIC STUDIES

Collections of studies issued in honor of Academician M. N. Tikhomirov's seventieth birthday. IU. A. Limonov. Ist. SSSR 8 no. 2:176-180 Mr-Ap '64.

Some scientific results of the Slavic Conference at Sofia. V. V. Vinogradov. Vest. AN SSSR 34 no. 2:84-93 F '64.

SLAVIC STUDIES—BIBLIOGRAPHY see Bibliography—Slavic studies

SLAVS

Martynov, V. V. [Linguistic methods for the basis of the hypothesis of the Vistula-Oder homeland of the Proto-Slavs] Lingvisticheskie metody obosnovaniia gipotezy o vislo-odrskoi prarodine slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 42 p. (V Mezhdunarodnyi s"ezd slavistov. Doklady)
(MH)

SLEEP THERAPY

State of cerebral electric activity under therapeutic anesthesia. S. N. Efuni. Eksper. khir. i anest. 7 no. 4:81-83 Jl-Ag '62.

SLOPES (PHYSICAL GEOGRAPHY)
(see also subdivision under Terekta Range)

Slavianov, V. N. [Forecasting the stability of slopes from the viewpoint of engineering geology] Inzhenerno-geologicheskie prognozy ustoichivosti otkosov. Moskva, Stroiizdat, 1964. 153 p.

SLOVAKIA—BIOLOGY—PERIODICALS

Review of the periodical "Biologia" for 1960-1962. I. P. Bilokin', H. S. Bilokin'. Ukr. bot. zhur. 20 no. 5: 105-109 '63.

SLUGS (ZOOLOGY) see subdivision under Orel Province

SLUICES

Leakage under the tainter gates of deep-seated orifices of a combined spillway-sluiceway. G. M. Musaev. Dokl. TSKHA no. 87:333-344 '63.

SMALLPOX—VACCINATION

Compound immunization by pertussis-diphtheria-tetanus and smallpox vaccines [with summary in English]. S. A. Usmanova. Zhur. mikrobiol., epid. i immun. 40 no. 9: 30-36 S '63.

SMELTING FURNACES—EQUIPMENT AND SUPPLIES

Causes of the formation of metal incrustations on magnesite steel pouring nozzles and ways to prevent it. I. P. Bas'ias, M. M. Belozerov. Stal' 23 no. 3:222-224 Mr '64.

SMOKED FISH see Fish, Smoked

SMOKEHOUSES see subdivision under Moscow

SMOLENSK—BANKS AND BANKING

We are helping service industry enterprises. E. Tevianskii. Den. i kred. 22 no. 3:50-51 Mr '64.

SMOLENSK—CHURCH ARCHITECTURE

New data on the Church of Michael Archangel in Smolensk. M. Kh. Aleshkovskii, S. S. Pod'iapol'skii. Sov. arkheol. 8 no. 2:231-236 '64.

SMOLENSK—GRAFFITI

The eighth century Smolensk inscription on Father Superiors as enemies. B. A. Rybakov. Sov. arkheol. 8 no. 2:179-187 '64.

The Smolensk graffiti. N. N. Voronin. Sov. arkheol. 8 no. 2:171-178 '64.

SMOLENSK IN LITERATURE AND ART

Rybchenkov, B. [Smolensk in aquarelles and drawings; Smolensk on its 1100th anniversary] Smolensk v akvareliakh i risunkakh; Smolensk k 1100-letiiu. Red. [illegible] Rybkov. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. [3] p. plates. [Text in Russian, German and English]

SMOLENSK PROVINCE—INSURANCE, SOCIAL

Guardsmen of the labor front. Sots. obesp. 25 no. 4:3-10 Ap '64.

SMOLENSK PROVINCE—SERVICE INDUSTRIES

We are helping service industry enterprises. E. Tevianskii. Den. i kred. 22 no. 3:50-51 Mr '64.

SMUTS
(see also subdivision under Ukraine)

Infection of the broomrape on corn by common smut of corn. V. N. Greshnova, O. N. Natal'ina. Bot. zhur. 40 no. 4:599 Ap '64.

SNOW
(see also subdivision under Antarctic regions; Ob' Plateau)

Role of meteorological factors in the development of a snow mass. M. P. Shcherbakov. Izv. AN SSSR. Ser. geog. no. 2:115-119 Mr-Ap '64.

SNOW SURVEYS
(see also subdivision under Russia, Northwestern)

Optimum snow surveying methods. R. L. Kagan, D. L. Laikhtman. Trudy GGO no. 112:78-96 '63.

SOAKING PITS see Furnaces, Heating

SOAP INDUSTRY

From the experience in the operation of a vacuum continuous production line for the mechanical processing of toilet soap. L. M. Baranov, T. A. Kazennova. Masl.-zhir. prom. 30 no. 3:29-34 Mr '64.

SOCHI—BATHS, MEDICATED

Results of treating at the Sochi-Matsesta Health Resort, patients with chronic coronary insufficiency combined with other diseases requiring health resort treatment. I. T. Karasev, S. E. Kabanov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:211-216 My-Je '63.

SOCIAL CHANGE

The socioeconomic formation. V. I. Gazenko. Vop. filos. 18 no. 3:150-158 '64.

SOCIAL GROUP WORK

Local soviets and the communist education of Soviet citizens. A. K. Konev. Sov. gos. i pravo no. 12:117-123 D '63.

SOCIAL INSURANCE see Insurance, Social

SOCIAL INTERACTION

Moscow. Universitet. Kafedra dialekticheskogo i istoricheskogo materializma gumanitarnykh fakul'tetov. [Interaction between forms of social consciousness] Vzaimodeistvie form obshchestvennogo soznaniia. [Moskva] 1964. 310 p.

SOCIAL LEGISLATION see subdivision under Great Britain

SOCIAL PERCEPTION

Moscow. Universitet. Kafedra dialekticheskogo i istoricheskogo materializma gumanitarnykh fakul'tetov. [Interaction between forms of social consciousness] Vzaimodeistvie form obshchestvennogo soznaniia. [Moskva] 1964. 310 p.

SOCIAL PSYCHOLOGY

Kelle, V. Zh. [Structure of social consciousness] Struktura obshchestvennogo soznaniia. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 6)

Sociological concepts in contemporary French and American psychopathology. M. Rogovin. Zhur. nevr. i psikh. 64 no. 2:295-302 '64.

Some pressing problems of social psychology [with summary in English, p. 195]. V. N. Kolbanovskii. Vop. filos. 17 no. 12:16-25 '63.

SOCIAL SCIENCE RESEARCH
(see also subdivision under Leningrad)

The complex problem "Laws of socialist development and transition to communism" in the Scientific Council. Vop. filos. 18 no. 4:157-160 '64.

SOCIAL SCIENCES see subdivision under Uzbekistan

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—PERIODICALS see subdivision under Uzbekistan

SOCIAL SCIENCES—STUDY AND TEACHING
(see also subdivision under Gomel' Province)

Lectures on social sciences in the system of evening and correspondence courses. IU. B. Pankov. Vop. ist. KPSS 8 no. 5:152-153 My '64.

SOCIAL SCIENCES—STUDY AND TEACHING (Continued)

On a wide front. [illegible] no.21: [illegible] '64.

Students begin to like the social sciences. V.Ol'khovskii. Nar.obr. no.7:74 My '64.

SOCIALIST COMPETITION
(see also subdivision under Andizhan; Kirov Province; Uzbekistan)

Akademiia nauk SSSR. Institut istorii. [A great movement of the masses; the origin and development of the movement of the collectives and shock workers of communist labor in the U.S.S.R.] Velikoe dvizhenie mass; vozniknovenie i razvitie dvizheniia kollektivov i udarnikov kommunisticheskogo truda v SSSR. Moskva, Izd-vo "Nauka," 1964. 4?? p.

[Communist labor collectives; materials of the Republic Theoretical Conference Devoted to the Movement for Communist Labor, June 2?, 1962] Kommunisticheskii trud [illegible] Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1962. 84 p.
(MIRA [illegible])

[illegible]

[illegible]

Il'chenko, V. P., and L. F. [illegible]. [A deserved fame; achievements of the [illegible] communist labor [illegible] in the [illegible]] [illegible] (MIRA [illegible])

[illegible]

[illegible]

[illegible]

[illegible] Moskva, [illegible] 1964. [illegible] p.
(MIRA [illegible])

[illegible]

[illegible]

SOCIALIST PROPERTY

[illegible]

[illegible] (MIRA [illegible])

SOCIALIST REALISM

[illegible]

[illegible] Moskva, [illegible] 1964. [illegible] p.

SOCIOLOGY
(see also subdivision under Poland)

[illegible]

SOCIOLOGY—STUDY AND TEACHING see subdivision under Leningrad

SOCIOLOGY, RURAL

[illegible]

SODIUM

Concentration of potassium and sodium in [illegible]. [illegible] no.[illegible] '63.

SODIUM BROMATE CRYSTALS—GROWTH

Shock waves from centers of growth on the faces of tetrahedral and cubic [illegible] crystals. A. P. [illegible]. Kristallografiia 9 no.5:[illegible] S-O '64.

SODIUM CARBONATES

Composition of [illegible] separated from [illegible] with a soda solution. [illegible] no.13:[illegible] '62.

SODIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Change of the assimilation of the stimulation rhythm at different levels of the central nervous system in a frog. [illegible]. Nauch.trudy Ukr.med.inst. 15:[illegible] '62.

SODIUM DITHIONITE—PHYSIOLOGICAL EFFECT

Role of sodium hydrosulfite in the disintoxication of the organism poisoned with cadmium chloride. I.V.[illegible]. Nauch.trudy Ukr.med.inst. 15:106-108 '62.

SODIUM GALLATES

Effect of sodium gallate on the nucleic acid content of the organs of healthy and irradiated rats (with summary in English). V.A.Baraboi, S.P.[illegible]. Ukr.biokhim. zhur. 35 no.1:[illegible] '63.

SODIUM HYDROXIDE

Crystallization of sodium hydroxide within the temperature range of 300 to 320°. [illegible]. Izv.AN SSSR.Ser.khim. no.4:[illegible] Ap '64.

SODIUM IN THE BODY

Effect of diet with low sodium content on the dynamics of [illegible] (with summary in English). [illegible]. Vop. pit. 21 no.2:[illegible] '62.

Effect of [illegible] on the content of sodium and potassium in [illegible]. V.A.[illegible]. Nauch.trudy Ukr.med.inst. [illegible] '62.

SODIUM IODIDE

[illegible]

SODIUM NIOBATES

[illegible] Izv.AN SSSR.Ser.fiz. 28 no.4:[illegible] Ap '64.

SODIUM NITRITE

[illegible] '62.

SODIUM OXIDE

[illegible] Izv.AN SSSR.[illegible] '64.

SODIUM PHOSPHATES

[illegible]

SODIUM SALICYLATE—THERAPEUTIC USE

[illegible] '62.

SODIUM SALTS—PHYSIOLOGICAL EFFECT

[illegible] '62.

SODIUM SILICATES

[illegible] '64.

SODIUM TANTALATES

Study of the phase [illegible] in the system [illegible]. Izv.AN SSSR.Ser.fiz. 28 no.4:[illegible] Ap '64.

SODIUM VANADATE CRYSTALS—OPTICAL PROPERTIES

Optical properties of sodium vanadate crystals. M.P. [illegible], A.A.[illegible]. Kristallografiia 9 no.2:[illegible] Mr-Ap '64.

SOIL, PODZOLIC see Podzol

SOIL CHEMISTRY
(see also subdivision under Azerbaijan)

Soil biogeochemistry. [illegible]. Dokl. AN SSSR [illegible] My '64.

SOIL CONDITIONERS see subdivision under Tajikistan; Uzbekistan

SOIL CONSERVATION

Conservation of soils. [illegible] '63.

SOIL FERTILITY

Vsesoiuznoe obshchestvo pochvovedov. [Fertility and amelioration of soils in the U.S.S.R.; reports for the Eighth International Congress of Soil Scientists] Plodorodie i melioratsiia pochv SSSR; doklady k VIII Mezhdunarodnomu kongressu pochvovedov. Moskva, Izd-vo "Nauka," 1964. 3?? p.

SOIL FORMATION
(see also subdivision under Lena Valley)

Soil formation process (with summary in English). M. N. Perchina. Izv. TSKHA no.1:127-134 '60.

SOIL FUNGI see subdivision under Kazakh Steppe

SOIL INOCULATION

Antimicrobial properties of carbamide resin and its use by some microorganisms. T.N.Kondrat'eva, N.A.Novikova, V.M.Kuznetsova. Nauch.dokl.vys.shkoly; biol.nauki no.3:166-170 '64.

Liquid silicate bacteria preparation for winter barley (with summary in English). V.G.Aleksandrov, M.I.Ternovskaia. Mikrobiol.zhur. 25 no.4:6-10 '63.

Scientific and methodological conference on bacterial fertilizers. Kh.G.Zinov'eva. Mikrobiol.zhur. 25 no.1:73 '63.

SOIL MECHANICS
(see also subdivision under Shaumyan District)

Conference on Soil Mechanics and Construction of Foundations. A.M.Kochetkov. Vest. AN SSSR 34 no.2:101-102 F '64.

Control of ground swelling by means of underground explosion charges. S.D.[illegible], I.L.[illegible], M.G. [illegible]. [illegible] no.[illegible] '64.

Method of testing soils for creep and limiting stability. M.N.Gol'dshtein, S.S.Babitskaia, V.A.Misiumskii. Vop.geotekh. no.5:[illegible] '62.

Pile foundations in settling soils. P.K.[illegible], A.P. [illegible]. [illegible] '62.

Resistance to shear of gravelly and clayey ground. V. F. [illegible]. Vop.geotekh. no.5:[illegible] '62.

[Soil improvement; handbook] Maaparanduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol.4. [Planning, construction, and exploitation] Projekteerimine, ehitamine ja ekspluateerimine. 1963. 3?? p.

Study of the deformation in sand cushions. V.S. [illegible]. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:[illegible] '63.

SOIL MECHANICS—RESEARCH

Problem of the concept "bearing soil." [illegible]. Vest.AN SSSR 34 no.2:[illegible] '64.

SOIL MICRO-ORGANISMS
(see also subdivision under White Russia)

[illegible], I. M., ed. [Role of microorganisms in soil fertility and the increase of the effectiveness of fertilizers] Rol' mikroorganizmov v plodorodii pochvy i povyshenii effektivnosti udobrenii. Leningrad, Izd-vo "Kolos," 1964. 1?? p.
(MIRA [illegible])

Effect of peat application on the biological activity of light [illegible] soils. I.M.[illegible]. [illegible] no.5:[illegible] '63.

Effect of straw on the biological activity of soils and plants. N.N.[illegible]. Izv.AN SSSR.Ser.biol. [illegible] Mr-Ap '64.

[illegible] (with summary in English). [illegible]. Izv.AN SSSR.Ser.biol. [illegible] Mr-Ap '63.

Fatty acids of soil yeasts. [illegible]. Izv.AN SSSR.Ser.khim. no.4:[illegible] Ap '64.

SOIL MOISTURE
(see also subdivision under Azerbaijan; [illegible]; Russia, Northwestern; Turkmenistan)

Change in the activity of some enzymes of soil as related to its moisture. [illegible] '63.

Effect of the moisture content of soils on their [illegible] capacity. [illegible]. Izv.TSKHA no.[illegible] '63.

Evaluation of the anticipated accuracy of measuring soil moisture by the weighing method. Kh. A. [illegible]. Izv. TSKHA no.[illegible] '63.

Polarographic determination of sulfate ions in the water extract of soil. S.M.[illegible], O.V.[illegible]. Nauch. dokl.vys.shkoly; biol.nauki no.1:199-200 '64.

Studying the conditions of moistening loess soils. O.N. [illegible]. Izv.TSKHA no.3:[illegible] '63.

SOIL PERCOLATION

Calculation of the percolation through an earth dam situated on a permeable homogeneous foundation with an overlay section on the downstream slope (with summary in English). O.IA.[illegible]. Dop. AN URSR no.4:[illegible] '64.

Flow resistance of boulder-pebble soils. I.A.[illegible]. Nauch.trudy TashGU no.213.Geog.nauki no.2?:111-121 '63.

SOIL PERCOLATION—BOUNDARY VALUE PROBLEMS

Solution of the nonlinear equation of percolation with the aid of an electrohydrodynamic analogy integrator. V.T. Chernovol. Dop. AN URSR no.2:[illegible] '64.

SOIL PHYSICS see subdivision under Russia, Northwestern

SOIL RESEARCH see subdivision under Vietnam, North

SOIL STABILIZATION
(see also subdivision under Volgograd Province)

[illegible] E.Sh.Shadunts. Vop.geotekh. [illegible]

[illegible] the interaction of an [illegible] agent with montmorillonite [illegible] K.S.Akhmedov. [illegible] no.2:52-55 '64.

Moscow. Vsesoiuznyi gosudarstvennyi proektno-izyskatel'skii i nauchno-issledovatel'skii institut. [Compaction of soils of irrigation canals for the purpose of preventing filtration, and soil compacting machinery; review] Uplotnenie gruntov orositel'nykh kanalov v protivofil'tratsionnykh tseliakh i gruntouplotniaiushchie mashiny; obzor. Moskva, 1963. 69 p.
[MICROFILM]

Preservation of development workings at deep levels. V.I.Paranovskii. Ugol' 39 no.3:3-7 Mr '64.

Using piles for protecting the slopes of loose rock fills. I.S.Iegiian, E.Sh.Shadunts. Vop.geotekh. no.5:48-[illegible]

SOIL TEMPERATURE
(see also subdivision under Siberia, Eastern)

Determining variations in the heat content of the top surface layer. D.P.Bespalov. Trudy GGO no.112:74-77 '63.

Graphic method of the control of observations on soil temperature. F.I.Plakatina. Meteor.i gidrol. no.2:55 F '64.

SOIL TEMPERATURE—MEASUREMENT
Comments on the article "Device for measuring soil temperature." V.I.Murchich. Avtom.telem.i sviaz' 8 no.3:40-41 Mr '64.

Performance of the M-54 apparatus. T.V.D'iachkova. Trudy GGO no.112:159-175 '63.

SOILS
(see also subdivision under Kaluga Province; Krasnoyarsk region; Kusary District; Omsk; Rybinsk Reservoir region; Streletskoye Steppe Preserve; Tula Province; Turkestan; Vietnam, North)

Field testing of a vibration scarifier for stony soils ("kirs"). K.V.Aleksandrian. Trudy Arm.NIIMESKH no.1:[illegible]-165 '63.

Review of the book "Soils, fertilizers, and crop yields." G.Golovin. Zemledelie 26 no.1:92-96 Ja '64.

Soil conditions and the development of the root system of saltworts. M.R.Abduev. Izv.AN Azerb.SSR.Ser.biol. i med.nauk no.2:69-78 '63.

SOILS—ABSTRACTS
[Soil science] Ref.zhur.: Pochv. nos.10-11 My-Je '64.

SOILS—ANALYSIS
N.I.Allamovskii's apparatus and the determination of soil acidity. I.Zmeev, F.Zmeeva. Shkola i proizv. 8 no.3:74-77 Mr '64.

Some methods for isolating the plant nematodes from the soil. E.L.Krall. Sbor.rab.po nemat.sel'khoz.rast. no.5:57-62 '63.

SOILS—CARBON CONTENT see subdivision under Azerbaijan

SOILS—CLASSIFICATION
(see also subdivision under Biya Valley)

Economic bases of land cadastre. E.Burminova. Ekon. sel'khoz. 35 no.4:93-98 Ap '64.

Use of a soil map for instructional purposes. D.Z. Bobovnikov. Shkola i proizv. 8 no.3:60-61 Mr '64.

SOILS—COMPOSITION see subdivision under Dzhebrail District

SOILS—DENSITY
Density of turf-Podzolic soils as related to the tillage problems. I.B.Revut, I.I.Kochurova. Nauch.trudy Sev.-Zap.nauch.-issl.inst.sel'khoz. no.5:137-156 '63.

SOILS—NITROGEN CONTENT
(see also subdivision under Azerbaijan)

Methods of determining ammonia nitrogen in soil by means of phenolate-hypobromite reaction. E.I. Shkonde, I.E.Koroleva. Khim.v sel'.khoz. 2 no.3:3-5 Mr '64.

SOILS—PHOSPHORUS CONTENT see subdivision under Aras Valley

SOILS—POTASSIUM CONTENT
Conditions of the potassium nutrition of plants (barley, potatoes) in light turf-Podzolic soils. I.S.Lupinovich, A.N.Haurylava. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:11-21 '64.

SOILS—TRACE ELEMENT CONTENT see subdivision under Kamchatka; Kola Peninsula

SOILS AND CLIMATE see subdivision under Aktash Plain (Daghestan)

SOLAR ENERGY
Role of solar energy in crustal development [with summary in English]. V.M.Sinitsyn. Vest.LGU 19 no.6:47-56 '64.

Sominskii, M.S. [Semiconductors in applied solar energy] Poluprovodnikovaia geliotekhnika. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no.12)

SOLAR RADIATION
(see also subdivision under Lithuania; Vorkuta region, Komi A.S.S.R.)

Atlas of the heat balance of the globe. K.IA.Kondrat'ev. Meteor.i gidrol. no.4:54-57 Ap '64.

Some problems in neutrino physics. G.T.Zatsepin, V.A.Kuz'min. Vest.AN SSSR 34 no.2:50-55 F '64.

Spectral distribution of drifting radiation. K.IA.Kondrat'ev, K.E.IAkushevskaia. Probl.fiz.atm. no.2:48-66 '63.

Spectral distribution of shortwave radiation. K.IA. Kondrat'ev and others. Probl.fiz.atm. no.2:67-86 '63.

Variation in the radiational factors of the heat budget of the earth's surface. M.I.Budyko, N.A.Efimova. Meteor.i gidrol. no.4:9-15 Ap '64.

SOLAR RADIATION—MEASUREMENT
Methodology of the calibration of electronic potentiometers used in recording the components of the radiation balance. T.K.IAstrebova. Trudy GGO no.112:187-190 '63.

SOLAR SYSTEM
Mikhailov, A.A., ed. [Course of astrophysics and stellar astronomy] Kurs astrofiziki i zvezdnoi astronomii. Moskva, Izd-vo "Nauka."
Vol.3. [By] V.P.Viazanitsyn i dr. Red. kollegiia: A.N.Deich i dr. 1964. 375 p.

SOLDER AND SOLDERING
Seminar on the soldering and welding of cutting tools. A.F.Berzin. Stan.i instr. 35 no.4:39 Ap '64.

Stability of the soldering of hard-alloy tools and residual stresses in soldered hard-alloy bits. V.A.Dumanskaia, V.V.Shliakhtin. Mashinostroenie no.2:71-72 Mr-Ap '64.

SOLDIERS
Cordial reception. D.Pisliakov. Sov.voin 44 no.23:20 D '62.

Schoolchildren on a visit to soldiers. S.Krukhmalev. Sov.voin 44 no.22:33 N '62.

A sergeant's vigilance. L.IAkovishin. Sov.voin 46 no.2:24 Ja '64.

SOLDIERS—RECREATION
A council in operation. V.Goshko. Sov.voin 46 no.2:31 Ja '64.

Let's talk about soldiers' leisure. A.Ryzhkov and others. Sov.voin 46 no.2:44 Ja '64.

SOLDIERS' MONUMENTS see subdivision under Lithuania

SOLID FILM
Conditions for growing thin single-crystal semiconducting films on a non-single-crystal basis. L.K.Bolziter, I.K.Vitol. Kristallografiia 9 no.2:308-310 Mr-Ap '64.

One type of emission of charged particles from the surface of sulfate films on a metal basis. D.M.Mambetov. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:89-97 '63.

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION
Processes involved in the solidification of portland cements when concretes are undergoing hydrothermal treatment under atmospheric pressure. P.P.Budnikov, E.IA.Ershler. Dokl.AN SSSR 155 no.4:916-919 Ap '64.

SOLIDS
Determination of an absolutely solid body in theoretical mechanics. B.S.TSfas, L.S.Vasil'eva. Sbor.dokl. Stud.nauch.ob-va Fak.mekh.sel'khoz.Kuib.sel'khoz. inst. no.1:27-32 '62.

SOLIGORSK—TRESTLES
Reasons for the breakdown of the transporting trestle at the Soligorsk potassium combine. B.I.Beliaev. Prom.stroi. 41 no.12:27-29 D '63.

SOLONETZ SOILS see subdivision under Kazakhstan; Volgograd Province

SOLUBILITY
Effect of carbonic acid on the solubility of acetylene on acetone and methanol at low temperatures. I.P.Uslukin and others. Neftepер.i neftekhim. no.11:35-40 '63.

Solubility product of lead molybdate [with summary in English]. M.L.Chepelevetskii, F.K.Kharitonovich. Zhur.anal.khim. 18 no.3:357-359 Mr '63.

SOLUBLE GLASS
Hydrated soluble glass in road construction. M.A. Matveev. Avt.dor. 27 no.3:17-18 Mr '64.

SOLUTION (CHEMISTRY)
Density, viscosity, and specific conductivity of [illegible] solutions in acetone, water, and their mixtures. A.M. Deich. Zhur.fiz.khim. 36 no.11:2470-2480 N '62.

Kinetics of the dissolution of lead in lead nitrate [illegible] A.A.Ravdel', G.N.Gorelik. Zhur.prikl.khim. 37 no.4:778-784 Ap '64.

SOLUTIONS, SOLID
Concentration dependence of the magnetic moment [illegible] certain solid solutions with a spinel and perovskite structure. V.P.Poliakov. Izv.AN SSSR.Ser.fiz. [illegible] no.3:447-450 Mr '64.

Properties of saturated solid solutions of [illegible] E.N.Khabarov, P.V.Sharavskii. Dokl.AN SSSR [illegible] no.3:542-544 Mr '64.

SOLVATION
Nature of solvation. Part 2. N.E.Khomutov. Zhur.fiz. khim. 36 no.11:2477-2479 N '62.

SOLVENTS
Certain problems involved in the recovery of solvents. N.B.Nazaretova and others. Neftepер.i neftekhim. no.11:18-21 '63.

Composition and equilibrium in the system [illegible] [with summary in English]. N.G.Zarakhani, M.I. Vinnik. Zhur.fiz.khim. 37 no.3:503-509 Mr '63.

Distribution of lithium isotopes in immiscible solvents. V.M.Kolotyrkin, N.I.Nikolaev. Zhur.fiz.khim. 36 no.11:2540-2541 N '62.

Effect of the acetone content in a solvent on dewaxing. V.S.Akimov, D.O.Gol'dberg, M.I.Efremova. [illegible] BashNII NP no.6:112-122 '63.

Effect of the nonpolar components of a binary solvent on the development of molecular association in [illegible] 6G. L.V.Levshin, D.M.Akbarova. Vest.Mosk.un. Ser.3: Fiz., astron. 19 no.2:16-24 Mr-Ap '64.

Effect of water on the properties of phenol as a selective solvent. A.Z.Biklulov. Neftepер.i neftekhim. [illegible] 3-7 '64.

Electrolytic purification of organic solvents by removing impurities and water [with summary in English]. V.A. Barabanov. Zhur.fiz.khim. 37 no.3:719-721 Mr '63.

Filtration of a paraoxydiphenylamine solution [illegible] solvents. I.V.Rozhkov, K.V.Rybakov. Neftepер.i neftekhim. no.4:21-24 '64.

Gathering and using a solvent enriched by acetone in a dewaxing unit. A.P.Belogradskii, A.M.Shestakov. Neftepер.i neftekhim. no.4:13-14 '64.

Titration in nonaqueous solvents in pharmaceutical analysis; a review. Ladek Šafařík, Josef Blažek. [illegible] 11 no.5:89-91 S-O '62.

SOLVENTS—TOXICOLOGY
Skin surface pH changes under the influence of acetone, benzine and white spirit [with summary in English]. V.I.Rogailin. Vest.derm.i ven. 37 no.5:21-25 My '63.

SOMALIA—SOCIAL CONDITIONS
Some socioeconomic problems of the independent Somalia in the interpretation of a bourgeois historian. L.S. Sergeeva. Vop.ist. 39 no.5:196-197 My '64.

SON KUL' LAKE REGION—EARTHQUAKES
The Son Kul' earthquake of October 13, 1958. K.Ibraimuzakov, I.V.Gorbunova. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:13-26 '63.

SONGS see subdivision under Leningrad

SONGS, UDMURT
[Let's sing, comrades; Udmurt songs. Davaite spoem, tovarishchi; udmurtskie pesni. Sost. L.Osotova i A. Ivanova. Red. K. Anan'eva. Izhevsk, Udmurtskoe knizhnoe izd-vo] 1962. 133 p. [In Udmurt]
(MH)

SORBENTS
Formation of the curves of yield in elution analysis. T.V.Gorenko, L.N.Naumova. Izv.vys.ucheb.zav.; pishch.tekh. no.2:148-152 '64.

SORBIC ACID
Antioxidant properties of some esters of sorbic acid. O.S.Stepanova, A.I. Chekurda, E.P.Zavolokina. Masl.-zhir.prom. 30 no.3:20-21 Mr '64.

SORMOV (GORKIY PROVINCE)—BOARDING SCHOOLS
Boarding school in Sormov. E.Solov'eva. Nar.obr. no.5:67-68 My '64.

SORMS, EDWARD, 1878-1940
E.Sorms to M.Gor'kii. Sov.muz. 27 no.11:49 N '63.

In memory of a musician and revolutionary. Sim. Dreiden. Sov.muz. 27 no.11:46-47 N '63.

Proletarian violinist. A.Lunacharskii. Sov.muz. 27 no.11:47-48 N '63.

SORPTION
Dynamics of anion exchange on the anion exchanger EDE-10P as dependent on the flow rate under conditions of concave sorption isotherm [with summary in English]. IU.A.Tolmacheva, A.T.Davydov. Zhur.fiz.khim. 36 no.11:2347-2351 N '62.

SORPTION (Continued)

Kinetics of the chemisorption of bromine by liquid alkali absorbers. V.I.Ksenzenko, K.A.Erofeeva. Khim.prom. no.3:207-210 Mr '64.

Sorption capacity of glass. D.K.Kollerov. Trudy inst. Kom.stand., mer i izm.prib. no.68:107-116 '63.

Sorption of phenols by anion exchangers of medium and high basicity from dilute solutions. IU.IU.Lur'e, B.P. Krasnov. Zhur.prikl.khim. 37 no.4:864-868 Ap '64.

Sorption of pyridine by carboxylic resins. A.I.Zhukov, V.M.Markova, R.V.Pavlinov. Zhur.prikl.khim. 37 no.4:860-864 Ap '64.

Sorption properties of various petrographic components of fossil coals. I.L.Ettinger and others. Dokl. AN SSSR 155 no.2:364-367 Mr '64.

Study of the structure of cellulose hydrate fibers by the method of sorption of quaternary ammonium bases from aqueous solutions [with summary in English]. N.V. Mikhailov, E.Z.Fainberg, L.A.Semenovskaia. Vysokom.soed. 6 no.3:522-526 Mr '64.

SORTING DEVICES

Device for sorting materials being milled. R.B.Sen'kovskii, D.A.Vorob'ev, A.V.Kizimov. TSement 30 no.2:20 Mr-Ap '64.

Mechanization of board sorting. R.E.Kaliteevskii. Mekh. i avtom.proizv. 18 no.4:28-30 Ap '64.

Sorting machine for gobies constructed by the Azov-Black Sea Fishery Research Institute. A.E.Chokhonelidze. Ryb.khoz. 40 no.3:66-68 '64.

SOUND—RECORDING AND REPRODUCING

Characteristics of the sound track of color motion pictures made on multiple-layer films [with summary in English on p.95]. N.I.Kirillov, A.P.Strel'nikova. Tekh.kino i telev. 8 no.5:31-32 My '64.

Type TsD-7 (TsD-4) densitometer for measuring sound track density over a range from 0 to 4,0. Z.A.Belorusets, L.K.Krupenin, IU.M.Leliukhin. Tekh.kino i telev. 7 no.12:26-28 D '63.

SOUND—SCATTERING

Scattering of sound by fish bladders in deep scattering layers in the ocean. I.B.Andreeva. Akust.zhur. 10 no.1:20-24 '64.

Scattering of sound on rough surfaces of solids. A.D. Lapin. Akust.zhur. 10 no.1:71-80 '64.

SOUND—SPEED

An asymptotic law governing wave propagation in natural wave guides. L.M.Brekhovskikh. Akust.zhur. 10 no.1:114-116 '64.

SOUND WAVES

Diffraction of an arbitrary acoustic wave by a wedge. A.F.Filippov. Prikl.mat.i mekh. 28 no.2:305-318 Mr-Ap '64.

Excitation of normal waves in plates by the oblique sound beam technique. D.B.Dianov, K.V.Zharkov. Akust.zhur. 10 no.1:48-53 '64.

Generation of sound in the collision of gas jets. V.I. Kondrat'ev. Akust.zhur. 10 no.1:66-70 '64.

Wave motion in an elastic inhomogeneous layered medium with a power law density variation and Lamé parameters. V.IU.Zavadskii. Akust.zhur. 10 no.1:119-122 '64.

SOUND WAVES—SCATTERING

Scattering of flexural waves by vibration mounts on a plate. I.I.Klitukin, IU.D.Sergeev. Akust.zhur. 10 no.1:60-65 '64.

SOUND WAVES—SPEED

Propagation of sound in an inhomogeneous medium and internal conditions. D.I.Mirovitskii. Akust.zhur. 10 no.1:88-97 '64.

SOUNDPROOFING

Measurement of the dynamic characteristics of sound-insulating and vibrationproof materials in the case of longitudinal vibrations; review. G.S.Rosin. Akust. zhur. 10 no.1:1-10 '64.

Zaborov, V.I., L.N.Kliachko, and G.S.Rosin. [Noise control by sound insulation] Bor'ba s shumom metodami vzukoizoliatsii. Moskva, Izd-vo lit-ry po stroit., 1964. 121 p.

SOUTH AFRICA, REPUBLIC OF—LABOR AND LABORING CLASSES

The W.F.T.U. and the struggle in South Africa. M.Babs. Vsem.prof.dvizh. no.11:19-21 N '63.

SOUTH AFRICA, REPUBLIC OF—POLITICS AND GOVERNMENT

Under the heel of the Republic of South Africa. V.Baryshnikov. Mezhdunar.zhizn' 11 no.5:152-154 My '64.

The W.F.T.U. and the struggle in South Africa. M.Babs. Vsem.prof.dvizh. no.11:19-21 N '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

Chocolates for my wife; excerpts from a book. Todd Machikiza. Az.i Afr.seg. 7 no.5:38-43 My '64.

SOUTH AFRICA, REPUBLIC OF—SOCIAL CONDITIONS

Ivanchenko, A.S. [The insulted stars; stories of an eyewitness] Oskorblennye zvezdy; rasskazy ochevidtsa. [Moskva] Molodaia gvardiia, 1964. 139 p.

SOUTH KAZAKHSTAN PROVINCE see Chimkent Province

SOUTH KAZAKHSTAN TERRITORY—AGRICULTURE

Today and tomorrow of southern Kazakhstan. I.IUsupov. Part.zhizn' Kazakh. 31 [i.e. 32] no.8:9-15 Ag '62.

SOUTH KAZAKHSTAN TERRITORY—INDUSTRIES

Today and tomorrow of southern Kazakhstan. I.IUsupov. Part.zhizn' Kazakh. 31 [i.e. 32] no.8:9-15 Ag '62.

SOUTH KOREA see Korea, South

SOVEREIGNTY

Jan Tomko's "National sovereignty of states and the United Nations Organization." L.Komarova. Sov.gos. i pravo 34 no.4:153-154 Ap '64.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—AGRICULTURE

Struggle for intensification is a current task. Nar.khoz. Sred.Az. 1 no.2:3-6 F '64.

SOVIET CENTRAL ASIA—ARCHAEOLOGY

Homage to Soviet archaeology. A.N.Sakharov. Vop.ist. 39 no.5:199-200 My '64.

Use archaeological data correctly; letter to the editors. V.A.Ranov. Biul. Kom.chetv.per. no.28:171-175 '63.

SOVIET CENTRAL ASIA—ATMOSPHERIC PRESSURE

Existence of the climatic pressure crest over the east of Central Asia. S.N.Ivanova. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:94-99 '63.

SOVIET CENTRAL ASIA—BANKS AND BANKING—CONGRESSES

For putting into practice the decisions of the December 1963 and February 1964 Plenums of the Central Committee of the CPSU. Den.i kred. 22 no.4:54-55 Ap '64.

SOVIET CENTRAL ASIA—BIRDS AS CARRIERS OF DISEASE

Meklenburtsev, R.N. [Birds as carriers of ectoparasites] K voprosu o perenose ptitsami ektoparazitov. Otv. red. T.Z.Zakhidov. Tashkent, SamGU, 1962. 75 p. (Novaia seriia, no.196. Biologicheskie nauki, book no.40)

SOVIET CENTRAL ASIA—BOTANY

Generic endemism of Central Asian flora [with summary in English]. M.I.Rubtsov. Ukr.bot.zhur. 21 no.2: 76-82 '64.

SOVIET CENTRAL ASIA—CHEMICAL INDUSTRIES

A powerful instrument of technological progress. P.Kalinkin. Komm.Uz. 36 no.4:52-58 Ap '64.

SOVIET CENTRAL ASIA—COMMUNICABLE DISEASES IN ANIMALS

Effect of economic activity on the natural foci of some communicable diseases [with summary in English]. P.A.Petrishcheva. Zool.zhur. 43 no.3:334-345 '64.

SOVIET CENTRAL ASIA—CONSTRUCTION INDUSTRY

Build faster, better and cheaper. S.Ibragimov. Nar. khoz.Sred.Az. 1 no.3:21-24 Mr '64.

SOVIET CENTRAL ASIA—COTTON—FERTILIZERS AND MANURES

Differentiated placement of phosphorus fertilizers in cotton fields. A.Mirzoev and others. Khim.v sel'. khoz. 2 no.3:12-14 Mr '64.

SOVIET CENTRAL ASIA—CROPS AND CLIMATE

Thermal resources ensuring the cultivation of cotton on the territory of the Kara-Kalpak A.S.S.R. and Khorezm Province, Uzbekistan. D.Matmuratov. Nauch.trudy TashGU no.213.Geog.nauki no.24:32-37 '63.

SOVIET CENTRAL ASIA—CYCLONES

Synoptic conditions governing the development and discontinuance of wave activity over Central Asia. L.L. Kirik. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:83-93 '63.

SOVIET CENTRAL ASIA—DAMS

Supports of upstream slopes of earth dams of water reservoirs in Central Asia. E.IA.Frolikova, M.S. Kozhevnikova. Vop.gidr. no.12:68-79 '63.

SOVIET CENTRAL ASIA—ECONOMIC POLICY

The new frontiers of industry. Nar.khoz.Sred.Az. 1 no.2:27-31 F '64.

Tolybekov, S.E. [Eliminating the economic lag of Central Asian Republics and Kazakhstan during the process of socialist transformation and their economic development during the transition to communism] Likvidatsiia ekonomicheskoi otstalosti respublik Srednei Azii i Kazakhstana v protsesse sotsialisticheskikh preobrazovanii i ikh ekonomicheskoe razvitie v period perekhoda k kommunizmu. Moskva, Izd-vo vostochnoi lit-ry, 1962. 59 p. (Materialy k Vsesoiuznoi nauchnoi sessii zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma)

[MICROFILM]

Unity and fraternity. Sh.Rashidov. Nar.khoz.Sred.Az. 1 no.2:7-9 '64.

SOVIET CENTRAL ASIA—FOLDS (GEOLOGY)

Features of the formation of the anticlinal folds of the Surkhan synclinal zone. O.A.Ryzhkov, E.V.Emanuel', T.Atakulov. Neftegaz.geol.i geofiz. no.12:23-26 '63.

SOVIET CENTRAL ASIA—FORTIFICATIONS, OLD

From the history of Central Asian fortification. V.L. Voronina. Sov.arkheol. 8 no.2:40-54 '64.

SOVIET CENTRAL ASIA—FREIGHT AND FREIGHTAGE

Improving transportation efficiency is a comprehensive problem. K.Khodzhaev. Nar.khoz.Sred.Az. 1 no.3: 54-56 Mr '64.

SOVIET CENTRAL ASIA—GAS, NATURAL—GEOLOGY

Gas zones of the northeastern part of Central Asia. M.I. Subbota, S.G.Zhukov. Neftegaz.geol.i geofiz. no.12: 26-32 '63.

New data on the gas potential of the Paleozoic sediments of the Samarkand megasyncline. O.A.Ryzhkov, R.N. Khaimov, IU.N.Zuev. Neftegaz.geol.i geofiz. no.12: 3-5 '63.

SOVIET CENTRAL ASIA—HISTORY

Lenin, V.I. [Central Asia and Uzbekistan] O Srednei Azii i Uzbekistane. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1957. 178 p.
(CSt-H)

SOVIET CENTRAL ASIA—HISTORY—SOURCES

Kliashtornyi, S.G. [Old Turkic runic monuments as a source of the history of Central Asia] Drevnetiurkskie runicheskie pamiatniki kak istochnik po istorii Srednei Azii. Moskva, Izd-vo "Nauka," 1964. 213 p.

SOVIET CENTRAL ASIA—INDUSTRIES

The new frontiers of industry. Nar.khoz.Sred.Az. 1 no.2:27-31 F '64.

Tolybekov, S.E. [Eliminating the economic lag of Central Asian Republics and Kazakhstan during the process of socialist transformation and their economic development during the transition to communism] Likvidatsiia ekonomicheskoi otstalosti respublik Srednei Azii i Kazakhstana v protsesse sotsialisticheskikh preobrazovanii i ikh ekonomicheskoe razvitie v period perekhoda k kommunizmu. Moskva, Izd-vo vostochnoi lit-ry, 1962. 59 p. (Materialy k Vsesoiuznoi nauchnoi sessii zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma)

[MICROFILM]

SOVIET CENTRAL ASIA—INSCRIPTIONS, TURKIC

Kliashtornyi, S.G. [Old Turkic runic monuments as a source of the history of Central Asia] Drevnetiurkskie runicheskie pamiatniki kak istochnik po istorii Srednei Azii. Moskva, Izd-vo "Nauka," 1964. 213 p.

SOVIET CENTRAL ASIA—IRRIGATION

Dependence of precipitation in the mountains of Central Asia from the irrigation of piedmont plains. A.P.Gal'tsov. Izv.AN SSSR.Ser.geog. no.2:37-44 Mr-Ap '64.

Put the wealth of irrigated lands in the service of the people. Nar.khoz.Sred.Az. 1 no.2:16-20 F '64.

SOVIET CENTRAL ASIA—LOESS

A possible source of loess material in Central Asia. A.G.Cherniakhovskii. Biul.Kom.chevt.per. no.28: 65-75 '63.

SOVIET CENTRAL ASIA—MOISTURE

Method for evaluating the moisturing of a territory with atmospheric precipitation. L.N.Babushkin, L.P. Pivovar. Nauch.trudy TashGU no.213.Geog.nauki no.24:19-31 '63.

Moisture circulation over Central Asia in the spring months. A.G.Mukminova. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.8:44-49 '63.

SOVIET CENTRAL ASIA—PARASITES—BIRDS

Meklenburtsev, R.N. [Birds as carriers of ectoparasites] K voprosu o perenose ptitsami ektoparazitov. Otv. red. T.Z.Zakhidov. Tashkent, SamGU, 1962. 75 p. (Novaia seriia, no.196. Biologicheskie nauki, book no.40)

SOVIET CENTRAL ASIA—PETROLEUM INDUSTRY

There will be more fuel. A.Annaliev. Nar.khoz.Sred. Az. 1 no.2:32-33 F '64.

SOVIET CENTRAL ASIA—POWER RESOURCES

What the fuel power of the republic should be like? IA.Mazover, A.Probst. Nar.khoz.Sred.Az. 1 no.4: 49-53 Ap '64.

SOVIET CENTRAL ASIA—PRECIPITATION (METEOROLOGY)

Dependence of precipitation in the mountains of Central Asia from the irrigation of piedmont plains. A.P.Gal'tsov. Izv.AN SSSR.Ser.geog. no.2:37-44 Mr-Ap '64.

SOVIET CENTRAL ASIA—PRECIPITATION (METEOROLOGY) (Continued)

Method for evaluating the moisturing of a territory with atmospheric precipitation. L.N.Babushkin, L.P. [illegible] Nauch.trudy TashGU no.213.Geog.nauki no.24:19-31 '64.

SOVIET CENTRAL ASIA—PRODUCTION ENGINEERING

[illegible], count and improve. P.Kaliakin. Nar.khoz.Sred. Az. 1 no.4:41-44 Ap '64.

SOVIET CENTRAL ASIA—SALINE AND ALKALI SOILS

Put the wealth of irrigated lands in the service of the people. Nar.khoz.Sred.Az. 1 no.2:16-20 F '64.

SOVIET CENTRAL ASIA—STANDARDIZATION

Conference on standardization in machinery plants of Central Asia. G.T.Lotov. Standartizatsiia 28 no.3:47 Mr '64.

SOVIET CENTRAL ASIA—WOMEN—EMPLOYMENT

We salute you, noble toilers! Zul'fiia Israilova, Kurman Kalyrbaev. Nar.khoz.Sred.Az. 1 no.3:10-13 Mr '64.

SOVIET FAR EAST—AMUR CORK TREE

Protect a valuable relict, the Amur cork tree. N.V. Krechetova. Okhr.prir.Sib.i Dal'.Vost. no.1:169 '62.

Stem periderm formation in the Amur cork tree during the first years of its life [with summary in English]. G.P.Beloshapkov. Izv.AN SSSR,Ser.biol. no.2:300-307 Mr-Ap '63.

SOVIET FAR EAST—ART—EXHIBITIONS, TRAVELING

On our insert. F.Barsukov. Sov.voin 46 no.2:32-36 Ja '64.

SOVIET FAR EAST—ASH (TREE)

Manchurian ash in the north of the Far East. G.F. Starikov. Okhr.prir.Sib.i Dal'.Vost. no.1:167-168 '62.

SOVIET FAR EAST—BINDING MATERIALS

Binding materials from gypsum-bearing rocks. P.P. Stepachenko. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.5:81-85 '63.

SOVIET FAR EAST—BRUCELLOSIS

Characteristics of the clinical course of brucellosis in the Far East. S.E.Shapiro, R.IA.Kireeva. Zhur. mikrobiol., epid.i immun. 40 no.9:129 S '63.

SOVIET FAR EAST—CONSTRUCTION INDUSTRY

Some problems in improving the organizational forms of the construction industry. V.G.Proskurenko. Sbor. nauch.rab. DVNIIS no.3:191-195 '62.

SOVIET FAR EAST—FORESTS AND FORESTRY

Preserve Siberian pine-hardwood forests of the Far East. N.I.Krechetov. Okhr.prir.Sib.i Dal'.Vost. no.1:164-165 '62.

SOVIET FAR EAST—GEOLOGY, STRUCTURAL

Session of the Council on the tectonics of Siberia and the Far East. A.M.Leites, I.P.Palei. Izv.AN SSSR.Ser. geol. 29 no.4:124-125 Ap '64.

SOVIET FAR EAST—LANDFORMS

Morphology, genesis, age and the conditions governing the formation of the ancient surfaces of denudation planation in the southern part of the Far East of the U.S.S.R. IU.F.Chemekov. Trudy VSEGEI 90:24-54 '63.

SOVIET FAR EAST—PALEOBOTANY, STRATIGRAPHIC

Quaternary sediments and basic phases of the development of vegetation in the Far East of the U.S.S.R. IU.F.Chemekov. Mat.VSEGEI.Chet.geol.i geomorf. no.4:183-196 '61.

SOVIET FAR EAST—RESERVOIRS

Problems in calculating evaporation cooling of water in reservoirs in the Far East. V.G.Chernenko, L.M. Mavrina. Sbor.nauch.rab. DVNIIS no.3:151-181 '62.

SOVIET FAR EAST—REVOLUTION, 1917-1921

Discussion on some problems of the history of the partisan movement in the Far East from 1918 to 1922. K.I. Sedov. Vop.ist. 39 no.5:159-169 My '64.

SOVIET FAR EAST—STOCK AND STOCKBREEDING—RESEARCH

Khabarovsk. Dal'nevostochnyi nauchno-issledovatel'skii institut sel'skogo khoziaistva. [Contribution of science to agriculture; collection of agricultural information of scientific institutions in the Far East] Nauka - sel'skomu khoziaistvu; sbornik sel'skokhoziaistvennoi informatsii nauchnykh uchrezhdenii Dal'nego Vostoka. Khabarovsk, 1962. 35 p.

[DNAL MICROFILM]

SOVIET UNION see Russia

SOVIETS
(see also subdivision under Vyazemskiy District, Khabarovsk Territory; White Russia)

Andreevskii, I.N., comp. [Legal manual for workers in housing and municipal administration] Spravochnik po zakonodatel'stvu dlia rabotnikov zhilishchno-kommunal'nogo khoziaistva. Moskva, Izd-vo lit-ry po stroit. "Stroiizdat," 1964. 586 p.

Increased role and extended rights of the rural soviets of workers' deputies. V.A.Nemtsev. Sov.gos.i pravo no.12:113-116 D '63.

Local soviets and the communist education of Soviet citizens. A.K.Konev. Sov.gos.i pravo no.12:117-120 D '63.

[Regulations governing the Commissions on juvenile affairs] Polozhenie o komissiiakh po delam nesovershennoletnikh. Moskva, Gos. izd-vo iurid. lit-ry, 1963. 163 p.
(CLL)

Selivanov, A.B. [When the deputies are active] Kogda deputaty aktivny. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 86 p.

Soviets are the representative organs of the whole Soviet nation and its self-government. H.P.Zhytnikau. Vestsi AN BSSR.Ser.hram.nav. no.1:15-24 '64.

SOWING
(see also subdivision under Virgin Territory)

Experiments in the wide row precision sowing of corn. A.O.Dokuchaiev, IE.O.Pysnako, F.A.Kudlai. Mekh. sil'.hosp. 15 no.5:7-8 My '64.

SOWS—FEEDING AND FEEDS

Digestibility of ration nutrients by pregnant sows at various feeding rates of sugar beets. A.P.Pyl'nikava. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:95-98 '64.

SOYBEAN—DISEASES AND PESTS see subdivision under Caucasus, Northern

SPACE BIOLOGY

Causes for the lethality of germ cells of drosophila after the flight in the spaceships "Vostok-3" and "Vostok-4." G.P.Parfenov. Kosm.issl. 2 no.2:335-340 Mr-Ap '64.

Evolution of organisms under weightlessness conditions. G.P.Parfenov. Kosm.issl. 2 no.2:330-334 Mr-Ap '64.

Fesenkov, V.G. [Life in the universe] Zhizn' vo Vselennoi. Moskva, Izd-vo "Znanie," 1964. 63 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no.8)

Food value of unicellular algae; a survey. N.N.Boiko and others. Vop.pit. 21 no.5:76-81 S-O '62.

Some conclusions and future development of the radiobiological research in space. N.M.Sisakian and others. Izv.AN SSSR.Ser.biol. no.3:341-351 My-Je '64.

SPACE FLIGHT

A tale come true. IU.Gagarin. Kryl.rod. 15 no.4:6-7 Ap '64.

Tissue dose of cosmic radiation taken in by V.F.Bykovskii and V.V.Nikolaeva-Tereshkova during their joint orbital flight. I.A.Bochvar and others. Kosm.issl. 2 no.2:304-306 Mr-Ap '64.

SPACE FLIGHT—BIBLIOGRAPHY see Bibliography—Space flight

SPACE FLIGHT—PHYSIOLOGICAL EFFECT

Reaction of the cardiovascular system of man and animals under weightlessness conditions. R.M.Baevskii, O.G.Gazenko. Kosm.issl. 2 no.2:307-319 Mr-Ap '64.

Remote effect of space flight on the vestibular-tonic and flexor reflexes in guinea pigs [with summary in English]. Z.I.Apanasenko, M.A.Kuznetsova. Izv.AN SSSR.Ser. biol. no.2:214-221 Mr-Ap '63.

Some physiological reactions of animals during flight in biocabins of ballistic rockets at altitudes up to 450-473 km [with summary in English]. I.I.Kas'ian. Izv. AN SSSR.Ser.biol. no.2:201-213 Mr-Ap '63.

SPACE FLIGHT TRAINING see subdivision under Leningrad

SPACE MEDICINE

Progress in aviation and space medicine. M.A.Mil'khiker. Priroda 53 no.5:33 '64.

SPACE MICROBIOLOGY

Effect of the factors of the space flight in the spaceships "Vostok-5" and "Vostok-6" on microspores Tradescantia Paludosa. N.L.Delone and others. Kosm.issl. 2 no.2:320-329 Mr-Ap '64.

SPACE SCIENCES

Taking possession of space and progress in production. A.D.Ursul. Vop.filos. 18 no.3:17-26 '64.

SPACE VEHICLES

Studies of the nuclear component of cosmic rays conducted on Soviet satellites and rockets. V.L.Ginzburg and others. Usp.fiz.nauk 82 no.4:585-647 Ap '64.

SPACE VEHICLES—GUIDANCE SYSTEMS

Bodner, V.A. [Theory of automatic flight control] Teoriia avtomaticheskogo upravleniia poletom. Moskva, Izd-vo "Nauka," 1964. 698 p.

SPACE VEHICLES—PROPULSION SYSTEMS

Optimum combination of propulsion systems. IU.N. Ivanov. Izv.AN SSSR.Mekh.i mashinostr. no.2:9-15 Mr-Ap '64.

SPACES, GENERALIZED

A class of mappings and the dimensionality of normal spaces. B.A.Pasynkov. Sib.mat.zhur. 5 no.2:356-376 Mr-Ap '64.

Factor mappings of metric spaces. A.Arkhangel'skii. Dokl.AN SSSR 155 no.2:247-250 Mr '64.

Geometrical interpretation of the motion of a mechanical system of variable mass. A.V.Gokhman. Izv.vys. ucheb.zav.; mat. no.1:28-30 '64.

Imbedding theorems for fractional spaces. K.K.Golovkin. Trudy Mat.inst. 70:38-46 '64.

Metrization of Lipshitz spaces. V.IU.Sandberg. Dokl. AN SSSR 155 no.5:1018-1021 Ap '64.

Open mappings of proximity spaces. V.Z.Poliakov. Dokl.AN SSSR 155 no.5:1014-1017 Ap '64.

Symmetric semi-Reimannian spaces. B.A.Rozenfel'd, L.M.Karpova. Izv.vys.ucheb.zav.; mat. no.1:109-116 '64.

SPAIN—COAL MINERS—STRIKES AND LOCKOUTS

Declaration of the Secretariat of the W.F.T.U. on international solidarity with the striking Spanish miners. Vsem.prof.dvizh. no.11:51 N '63.

SPAIN—HISTORY

The history of Spain and the theory of "superstructures." N.N.Sadomskaia. Vop.ist. 39 no.5:201-203 My '64.

SPAIN—STRIKES AND LOCKOUTS

A message from the Spanish workers' opposition to the international trade-union movement. Vsem.prof.dvizh. no.11:6-9 N '63.

SPANISH AMERICA see Latin America

SPANISH LANGUAGE—DICTIONARIES—RUSSIAN

Prado Mendizabal, Pedro, comp. [Spanish-Russian polytechnical dictionary] Ispansko-russkii politekhnicheskii slovar' Pod red. K.P.Modkova, A.S.Minina, I.A. IAkovleva. Moskva, Sovetskaia Entsiklopediia, 1964. 837 p.

SPAYING

Ovariectomy in cows. P.A.Alekseev. Veterinariia 40 no.10:41-42 O '63.

SPECIFIC HEAT see Heat capacity

SPECTROCHEMISTRY

Basic properties and analytical application of a hollow cathode. N.P.Ivanov, V.Z.Krasil'shchik. Metod. anal.khim.reak.i prepar. no.7:5-68 '63.

Determination of impurities in titanium and its compounds. N.P.Ivanov, E.N.Andrikanis. Metod.anal. khim.reak.i prepar. no.7:73-76 '63.

Spectral determination of impurities in chemical concentrates prepared on the basis of carbon powder as an impurity collector. G.A.Pevtsov, V.Z.Krasil'shchik. Metod.anal.khim.reak.i prepar. no.7:60-72 '63.

Spectral method for determining microimpurities in gallium arsenide with their preconcentration [with summary in English]. G.A.Kataev, Z.I.Otmakhova. Zhur.anal.khim. 18 no.3:330-341 Mr '63.

SPECTROMETRY

Optimum thickness of an alpha-emitter in the spectrometric analysis of specimens of low-level radioactivity. L.S.Gorn, B.I.Khazanov. Atom.energ. 16 no.5:447-449 My '64.

Some errors of spectrum analyzers with preliminary magnetic recording. N.F.Vollerner, V.G.Krikaunov, R.M.Tereshchuk. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:81-84 Ja-F '64.

Spectrometry of heavy charged particles of medium energies by means of silicon n-i-p detectors. O.A. Matveev, V.P.Rudakov, I.N.Sorikov. Atom.energ. 16 no.4:360-362 Ap '64.

SPECTROPHOTOMETER

Cryostat to the SF-4 spectrophotometer for investigating liquids at low temperatures. I.S.Pominov, N.N.Vlasov, G.I.Frolov. Zav.lab. 30 no.5:634 '64.

Portable spectroprojector on the basis of the "mikrofot" apparatus. A.N.Shteinberg. Zav.lab. 30 no.5:634 '64.

Spectrophotometer for recording slight absorption differences. A.IU.Borisov, E.N.Mokhova. Prib.i tekh.eksp. 9 no.2:145-147 Mr-Ap '64.

Television spectrophotometer [with summary in English on p.95]. B.G.Podlaskin, A.I.Ryskin. Tekh.kino i telev. 8 no.5:50-54 My '64.

Use of quantometers for the analysis of geological materials [with summary in English]. IU.I.Beliaev, L.M.Khitrov. Zhur.anal.khim. 18 no.3:310-317 Mr '63.

SPECTROPHOTOMETRY

[illegible] (with summary in English). V. [illegible] '63.

[illegible] '64.

[illegible] (with summary in English). [illegible]

[illegible] '63.

[illegible]

[illegible] '63.

[illegible] '64.

[illegible]

[illegible]

[illegible] '63.

SPECTRUM, INFRARED

[illegible]

[illegible]

[illegible] '63.

SPECTRUM, ULTRAVIOLET

[illegible] '63.

SPECTRUM ANALYSIS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Spectral analysis of gases [illegible] by means of [illegible] discharge in a hollow cathode. [illegible] '63.

Spectral distribution of [illegible] radiation. [illegible] Prib. i tekh. eksp. no. [illegible] '63.

Spectral distribution of [illegible] radiation. [illegible] and others. Prib. i tekh. eksp. no. [illegible] '63.

Spectral measurements [illegible] of [illegible] phosphorescence [illegible] Dokl. AN SSSR 153 no. [illegible] '63.

Spectroscopic method for the integral determination of the water vapor in a column of the atmosphere. [illegible] '63.

Spectroscopic study of hydrogen bonding in polymers of [illegible] and [illegible] (with summary in English). [illegible] Vysokomol. soed. 6 no. 1: [illegible] Ja '64.

Stand for localized spectral analysis. V.F.[illegible], I.V.[illegible]. Zav. lab. 30 no.5:620-622 '64.

SPECTRUM ANALYSIS—CONGRESSES

Second Siberian Conference on the Exchange of experience in the use of spectrum analysis. N.A.Makulov. Vest. AN SSSR 34 no.1:102-104 Ja '64.

SPEECH

Operator [illegible] system for synthesizing speech fragments. L.D.[illegible]. Avtomat. i telemekh. [illegible] '63.

SPERMATOZOA

Antigenic [illegible] in the spermatozoa of the ram, boar, and stallion (with summary in English). V.I.[illegible]. [illegible] 34 no.1:[illegible] '63.

Study of the spermatozoa using fluorescence microscopy. A.A. [illegible] '63.

SPHENOID BONE

[illegible] and the sphenoid sinus. I.P.[illegible]. Nauch. trudy [illegible] '62.

SPHERICAL ASTRONOMY see Astronomy, Spherical and practical

SPHERULITES—OPTICAL PROPERTIES

Optical [illegible] of spherulites [illegible]. V.A. [illegible] '64.

SPICES

Preserving food with essential oils of spicy plants. [illegible] '62

SPIES see subdivision under United States

[illegible] see subdivision under [illegible] Hills

SPILLWAYS

[illegible]

[illegible] '63.

[illegible] '63.

[illegible] '63.

SPILLWAYS—HYDRODYNAMICS

[illegible] '63

[illegible] '63

SPINAL ANESTHESIA

[illegible] '63

SPINAL CORD

[illegible] '63.

[illegible] '63

Conduction paths of the [illegible]. A. A. [illegible] '63

Effect of [illegible] on the spinal cord [illegible] '63

[illegible] of the spinal cord. [illegible] '63.

Effect of [illegible] on the coordinating function of the spinal cord. A. A. [illegible] Fiziol. zhur. SSSR [illegible] '63.

Electrophysiological analysis of the effect of different doses of [illegible] on the reflex activity of the spinal cord in frogs. A.A.[illegible]. Nauch.trudy Ryaz.med. inst. [illegible] '62.

Glycogen content in various divisions of the central nervous system (with summary in English). [illegible] 34 no. [illegible] '63.

Participation of the sympathetic system in the [illegible] of the motor [illegible] of the spinal cord. [illegible] '63.

Range of the [illegible] of the [illegible] rhythm at different levels of the central nervous system in a frog. [illegible] Nauch.trudy Ryaz.med.inst. [illegible] '62.

SPINAL CORD—DISEASES

Anatomicopathological changes in the central nervous system in adults with rheumatic fever. T.G.[illegible]. Nauch.trudy Ryaz.med.inst. 16:[illegible] '63.

Clinical materials on rheumatic fever of the spinal cord. [illegible] Nauch.trudy Ryaz.med.inst. 16: [illegible] '63.

Functional state of the thyroid gland in patients with multiple sclerosis, various demyelinating diseases and thyrotoxicosis. A.L.Valtsev, Zhur.nevr.i psikh. 64 no.5:665-667 '64.

Pathological anatomy of spinal rheumatic fever. V.K. Beletskii. Nauch.trudy Ryaz.med.inst. 16:231-41 '63.

Rheumatic fever of the spinal cord. V.K.Beletskii. Nauch.trudy Ryaz.med.inst. 16:239-242 '63.

SPINAL CORD—INNERVATION

Relationship between the diameter of the synapses of neurons of the anterior horns of the spinal cord in the cat and the functional state of the central nervous system. I.S.Barashova and others. Dokl.AN SSSR 155 no.2:474-477 Mr '64.

SPINAL CORD—RADIOGRAPHY

Review of James Bull and Wylie McKissock's book "An atlas of positive contrast myelography." V.S. [illegible]. Vop.neirokhir. 27 no.5:61-64 S-O '63.

SPINAL CORD—WOUNDS AND INJURIES

Ugrimov, V. M., M. M. Kruglyi, and E. N. Vinarskaia. [Therapeutic gymnastics in injuries to the spine and spinal cord] Lechebnaia gimnastika pri povrezhdeniiakh pozvonochnika i spinnogo mozga. [Moskva] Meditsina, 1964. 182 p.
(USLM)

SPINAL NERVES see Nerves, Spinal

SPINE—PUNCTURE

Lumbar puncture in children. O.I.[illegible]. Vop. okhr.mat.i det. 7 no.6:[illegible] Je '62.

SPINE—WOUNDS AND INJURIES

Ugrimov, V. M., M. M. Kruglyi, and E. N. Vinarskaia. [Therapeutic gymnastics in injuries to the spine and spinal cord] Lechebnaia gimnastika pri povrezhdeniiakh pozvonochnika i spinnogo mozga. [Moskva] Meditsina, 1964. 182 p.
(USLM)

SPINEL

Energy spectrum of paramagnetic impurity ions in [illegible] spinel. A.N.Men', V.I.[illegible]. Izv.AN SSSR,Ser. fiz. 28 no.3:[illegible] Mr '64.

SPINEL GROUP

Synthesis and [illegible] of [illegible] spinel [illegible]. Dokl. AN SSSR 155 no. [illegible] Mr '64

SPINNING

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Spinning without spindles] Bezveretennoe priadenie. Moskva, 1963 31 p.

[MICROFILM]

SPINNING MACHINERY

[illegible] '63

[illegible] '63

System for lubricating [illegible] the spindle bearings of spinning and twisting machines. [illegible] Tekst. prom. [illegible] '63

SPINNING MACHINERY—HYDRAULIC DRIVE

Design of the [illegible] of the [illegible] for winding machines with hydraulic drive. [illegible] '63

SPINNING MACHINERY—LUBRICATION

Plunger lubricator for pumping oil into the spindle bearings of spinning and twisting machines. N. T. [illegible] Tekst. prom. [illegible] '63

SPINOR ANALYSIS

Minimal interactions between fields with spins 0, 1/2, and 1 (with summary in English). V.I.Ogievetskii, I.V.Polubarinov. Zhur.eksp.i teor.fiz. 45 no.4:1016-1023 O '63.

Spinor formula for the gravitational field. G.A.Sokolik. Dokl.AN SSSR 154 no.3:[illegible] Ja '64.

SPIRO COMPOUNDS

Heat of formation of spiropentane hydrocarbons. M.P. Kozina and others. Dokl.AN SSSR 155 no.5:1123-1125 Ap '64.

SPIROCHETOSIS

Cultivation of spirochete pathogens of Caucasian tick spirochetosis on developing chick embryos. N.A. Balyasnova. Lab.delo no.5:308-311 '64.

Experiment in the infection of chicken embryos with tick-borne spirochetosis by feeding infected Ornithodoros ticks on them (with summary in English). N.A. Balyasnova. Zhur.mikrobiol., epid.i immun. 40 no.3:[illegible] '63.

SPIROSCOPY

[illegible] for [illegible] spirometry. A. Na- [illegible] Eksper. khir. i anest. 8 no. 4:31-33 [illegible]

SPIROSCOPY—EQUIPMENT AND SUPPLIES

[illegible] for separate study of [illegible] S. [illegible] Lab. delo 9 [illegible]

SPLEEN

[illegible] in the medium on the bio- [illegible] by spleen cells. A. E. [illegible] Dokl. AN SSSR 155 no. 2:492- [illegible] Mr '64.

SPLEEN—BLOOD SUPPLY

New data on the [illegible] arterial network in the [illegible] spleen. M. IA. [illegible] Dop. AN URSR no. 3: [illegible]-357 '64.

SPLEEN—NECROSIS

[illegible] foci in the spleen of irradiated animals [with summary in English]. V. A. Sondak, M. N. Meisel', V. M. Mantelfel'. Izv. AN SSSR. Ser. biol. no. 2:231-23[illegible] Mr-Ap '64.

SPLEEN—SURGERY

Case of a large suppurating pseudocyst of the spleen. P. [illegible]. Khirurgiia 39 no. 6:124-126 Je '63.

Splenectomy in cattle and sheep. P. A. Rasskazovskii. Trudy Stavr. sel'khoz. inst. no. 11:146-151 '62.

SPLENIC VEIN—RADIOGRAPHY see Splenoportography

SPLENOPORTOGRAPHY

Splenoportography and hepatography as a method of determining the operability of tumors in the epigastric region. Vest. khir. 90 no. 5:130-136 My '63.

Technique of transcutaneous splenoportography. G. I. Veronskii. Vest. khir. 90 no. 5:127-130 My '63.

SPONTANEOUS GENERATION

Abiogenetic formation of porphine and its role in the processes of photochemical electron transfer. A. A. Krasnovskii, A. V. Umrikhina. Dokl. AN SSSR 155 no. 3:691-694 Mr '64.

SPORTING GOODS

Elginson, E. N. [Sporting goods] Sportivnye tovary. Moskva, Ekonomika, 1964. 182 p.

SPORTS

Results of the Third Spartakiada of the Peoples of the U.S.S.R. V. G. Maksimov. Teor. i prak. fiz. kul't 26 no. 9:3-11 S '63.

Spartakiadas of the Union Republics, the cities of Moscow and Leningrad. Teor. i prak. fiz. kul't 26 no. 9:12-18 S '63.

Sports for the masses and high craftsmanship. Teor. i prak. fiz. kul't 26 no. 9:1-3 S '63.

SPORTS—ORGANIZATION AND ADMINISTRATION

Results of the discussion on the Uniform All-Union Sports Classification. Teor. i prak. fiz. kul't 26 no. 9:61-64 S '63.

Work of the industrial physical education collectives of the Avangard Volunteer Sports Society. M. F. Bunchuk. Teor. i prak. fiz. kul't 26 no. 9:54-56 S '63.

SPORTS MEDICINE

Doctor's care of young cyclists. F. A. Iordanskaia, I. E. Pul'kina, L. I. Stogova. Teor. i prak. fiz. kul't 26 no. 9:48-51 S '63.

SPORTS STORIES

[Stories of athletes] Rasskazy sportsmenov. Moskva, Fizkul'tura i sport, 1964. 205 p.

SPRAY PAINTING, ELECTROSTATIC

Paint atomization with preheating in the electric field. V. L. Gots, I. A. Chislovskaia. Lakokras. mat. i ikh prim. no. 1:49-51 '64.

SPRAYING AND DUSTING EQUIPMENT
(see also subdivision under Virgin Territory)

Advice to a machine operator. V. P. Skripchenko. Zashch. rast. ot vred. i bol. 9 no. 4:31 '64.

The ROB knapsack tank sprayer. I. I. Shevetsov. Les. khoz. 17 no. 4:74-75 Ap '64.

Sprayer with a hand pump. I. F. Goncharov, I. I. Mialo, N. M. Gorodovich. Veterinariia 40 no. 10:62 O '63.

SPRAYING AND DUSTING IN AGRICULTURE

Additional spraying in vineyards. V. N. Kornilova. Zashch. rast. ot vred. i bol. 9 no. 4:19-21 '64.

Early spring work in orchards and strawberry plantations. E. M. Drozdovskii. Zashch. rast. ot vred. i bol. 9 no. 4:35-36 '64.

Highly refined petroleum oil for summer spraying (sulfonated solar distillate from Balakhany petroleum). S. F. Bezuglyi, V. S. Lukanina. Khim. v sel'. khoz. 2 no. 3:27-28 Mr '64.

SPRINGS (MECHANISM)

Dynamic snapping of disk springs. L. I. Shkutin. Izv. AN SSSR. Mekh. i mashinostr. no. 2:157-159 Mr-Ap '64.

Theory of manometer springs. A. G. Lopukhin. Nauch. trudy MTILP no. 26:214-224 '62.

SPRINKLER IRRIGATION
(see also subdivision under Tajikistan; Ukraine; Uzbekistan)

Sprinkler irrigation of farm crops. I. Kolesnikov. Tekh. v sel'khoz. 23 no. 12:25-30 D '63.

SPRUCE see subdivision under Ichnya District; Kirghizistan Vologda Province; White Russia

SPUTNIKS see Artificial satellites

SPUTTERING (PHYSICS)

Cathode sputtering of tungsten by potassium ions. U. A. Arifov and others. Dokl. AN SSSR 155 no. 2:306-308 Mr '64.

SQUIRRELS see subdivision under Siberia, Western

STABILITY

Present state and future development of scientific research on the scientific principles of stability and plasticity. Dop. AN URSR no. 3:413-415 '64.

STABILITY OF AUTOMOBILES

Analysis of the effect of driving axle differential on the side stability of automobiles. O. K. Shakhbazov. Izv. vys. ucheb. zav.; mashinostr. no. 2:111-118 '64.

STABILITY OF SHIPS

International cooperation on standardizing the buoyancy and stability of ships. S. Blagoveshchenskii, V. Dorin. Mor. flot 23 no. 12:41-42 D '63.

Voevodin, N. F. [Effect of cargo loading on the stability of ships] Vliianie priema gruza na ostoichivost' sudna. Leningrad, "Sudostroenie," 1964. 165 p.

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING

Change in the vital staining of nerve endings during a pessimum. E. A. Shapiro. TSitologiia 5 no. 3:323-326 My-Je '63.

STAINS AND STAINING (MICROSCOPY)

Method of thermal staining of nematodes by polychrome blue. A. A. Paramonov. Sbor. rab. po nemat. sel'khoz. rast. no. 5:128-129 '63.

Methodology of detecting erythrocytes in fluorescent cytological studies. B. IA. Kovnator. Lab. delo no. 5:263-265 '64.

Methodology of studying the plasmocyte reaction in immune animals. V. M. Zemskov. Lab. delo no. 5:270-272 '64.

Priority of Ch. I. Khentsinskii in the creation of the double blood staining method. A. F. Fiks. Lab. delo 9 no. 4:58-59 Ap '63.

Rapid method for staining thrombocytes and reticulocytes. A. D. Kulikova. Lab. delo 8 no. 7:17-18 Jl '62.

Simultaneous staining of blood reticulocytes and thrombocytes. R. Alimov. Lab. delo 9 no. 4:44-46 Ap '63.

Use of fluorescing microbial vaccines in laboratory practice. I. N. Zubzhitskii. Lab. delo no. 4:242-244 '64.

STALINABAD see Dushanbe

STALINGRAD see Volgograd

STALINGRAD HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (22d Congress of the CPSU)

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STANDARDIZATION
(see also subdivision under Soviet Central Asia)

Comments of a standardization specialist. A. S. Korostelin. Standartizatsiia 28 no. 3:54 Mr '64.

Patent clarity of standard articles. A. S. Dukhovnyi. Standartizatsiia 28 no. 3:39-40 Mr '64.

Standards form the base for high production standards and specialization in industry. N. A. Razumov. Standartizatsiia 28 no. 3:3-8 Mr '64.

STANDARDIZATION—STUDY AND TEACHING

Courses in standardization. V. A. Popov. Standartizatsiia 28 no. 3:53-54 Mr '64.

Study of standardization. L. V. Bergel'son. Standartizatsiia 28 no. 3:53 Mr '64.

STANDARDIZATION—TERMINOLOGY

Language of state standards. G. S. Pokrass. Standartizatsiia 28 no. 3:42-44 Mr '64.

STANDARDS, ENGINEERING

Comply with the requirements of standards. A. N. Goloshchapov. Standartizatsiia 28 no. 3:52-53 Mr '64.

Foreign standards. Standartizatsiia 28 no. 3:61-64 Mr '64.

New state standards. Avtom. i prib. no. 1:94 Ja-Mr '64.

STANISLAV see Ivano-Frankovsk

STANISLAV PROVINCE—PETROLEUM GEOLOGY

Hydrogeological conditions and prospects for finding oil in the structures of the Dolina region. K. S. Havrilenko. Dop. AN URSR no. 3:358-361 '64.

STANISLAV PROVINCE—WATER, UNDERGROUND

Hydrogeological conditions and prospects for finding oil in the structures of the Dolina region. K. S. Havrilenko. Dop. AN URSR no. 3:358-361 '64.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

K. S. Stanislavskii's, "Tragedy of nations." IU. Kalashnikov. Isk. kino 34 no. 1:105-111 '64.

STAPHYLOCOCCAL DISEASE
(see also subdivision under Karaganda)

Characteristics of the bacterial carrier state in experimental ocular diphtheria caused by corynebacterium diphtheriae in association with pathogenic cocci. Report No. 1: Dynamics of the isolation of diphtheria bacteria, pseudo-diphtheria bacteria and diphtheroids [with summary in English]. E. V. Bakulina. Zhur. mikrobiol., epid. i immun. 40 no. 4:11-16 Ap '63.

Experimental study of concomitant whooping cough and staphylococcal infections of the lungs [with summary in English]. G. N. Chistovich. Zhur. mikrobiol., epid. i immun. 40 no. 4:6-10 Ap '63.

Food poisoning caused by pâté. I. A. Mareskin. Vop. pit. 21 no. 5:83-84 S-O '62.

STAPHYLOCOCCUS

Comparative evaluation of the new penicillins according to their action on clinical Staphylococcus strains. A. N. Shneerson. Antibiotiki 8 no. 8:696-700 Ag '63.

Control of the immunogenic properties of purified sorbed staphylococcal anatoxins in experiments on white mice [with summary in English]. E. A. Cherikova, L. D. Zoran. Zhur. mikrobiol., epid. i immun. 40 no. 9:70-73 S '63.

Determination of the toxigenicity of staphylococci by precipitation in agar [with summary in English]. V. A. Khrushchova, F. M. Teitel'baum, Sh. G. Malanta. Zhur. mikrobiol., epid. i immun. 40 no. 4:43-46 Ap '63.

Effect of imanin and novoimanin on the respiration of cells of Staphylococcus aureus 209 and its UF-3 mutant in the presence of amino acids [with summary in English]. N. IU. Preobrazhens'ka. Mikrobiol. zhur. 25 no. 1:28-32 '63.

Use of fluorescing microbial vaccines in laboratory practice. I. N. Zubzhitskii. Lab. delo no. 4:242-244 '64.

STAPHYLOCOCCUS—CULTURES AND CULTURE MEDIA

Use of blood agar with salt for the isolation of toxigenic staphylococci from the air. L. S. Sarochinskaia. Lab. delo no. 3:167 '64.

STARCH

Increasing the starchiness of industrial potatoes. O. K. Grebleshnikova. Trudy TSNIISP no. 13:54-60 '62.

Specific heat of evaporation of moisture from starch and gelatin [with summary in English]. V. M. Kazans'kyi. Dop. AN URSR no. 2:226-228 '64.

Use of the adsorption method for determining starch moisture. O. A. Dumanskii, E. A. IAkovkina. Trudy KTIPP no. 27:101-104 '63.

STARCH—STORAGE

Susceptibility of starch to attack by ferments during its aging. F. G. Krivolapov, L. E. Sinel'nikova, L. I. Shilova. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:24-25 '64.

STARCH INDUSTRY
(see also subdivision under United States)

Make better use of potato and corn raw materials in the starch and molasses industry. Sakh. prom. 37 no. 12:1-4 D '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Processing of wheat meal in potato processing plants] Opyt pererabotki pshenichnoi muki na kartofelopererabatyvaiushchikh zavodakh. Moskva, 1962. 45 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

STARCH INDUSTRY—ACCOUNTING see subdivision under Verkhne-Dneprovsk (Dnepropetrovsk Province)

STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

Work of the screening station. F. F. Denisov. Sakh. prom. 37 no. 12:52-54 D '63.

STARS—ABSORPTION SPECTRA

Optimum wave lengths for the determination of interstellar absorption. V. Straizys. Astron. tsir. no. 254:3-4 Jl '63.

STARS—CLUSTERS

A. N. Deich's object. D. K. Karimova, P. N. Kholopov. Astron. tsir. no. 250:2 S '63.

Age of the open cluster Orion I [with summary in English]. E. V. Kotok. Vop. kosm. 9:106-109 '63.

New intergalactic globular cluster? A. N. Deich. Astron. tsir. no. 250:1-2 S '63.

Origin of stellar clusters [with summary in English]. G. M. Tovmasian. Soob. Biur. obser. no. 33:87-93 '63.

STARS—DENSITY

Present state of the theory of superdense celestial bodies [with summary in English]. V. A. Ambartsumian, G.S. Saakian. Vop.kosm. 9:91-131 '63.

Theory of white dwarfs and baryon star envelopes [with summary in English]. G. S. Saakian, E. V. Chubarian. Soob.Biur.obser. no. 34:99-133 '63.

STARS—DISTRIBUTION

Law of the distribution of O-B1 stars around the nuclei of the O-associations [with summary in English]. L. V. Mirzoian. Soob.Biur.obser. no. 33:41-53 '63.

STARS—MASSES

Loss of mass of supergiant stars by neutrino emission. IA.B.Zel'dovich. Astron.tsir. no.250:1-5 Jl '63.

STARS—OBSERVATIONS

Is the brightness of the object 3C-273 varying? N.E. Kurochkin. Astron.tsir. no.251:1-2 Jl '63.

STARS—SPECTRA

Balmer's decrement of AG Pegasi [with summary in English]. N. L. Ivanova. Soob.Biur.obser. no. 34: 93-98 '63.

Band-width effect and the parameters of the U,B,V system. V.Straizys, K.Zdanavicius. Astron.tsir. no.254:5-7 Jl '63.

Inclination of reddening lines in two-index diagrams. V.Straizys. Astron.tsir. no.254:4-5 Jl '63.

Spectrometry of the object 3C-273. V.P.Arkhipova, E.B.Kostiakova, A.S.Sharov. Astron.tsir. no.251: 2-4 Jl '63.

STARS, NEW

Nova in Sagittarius. Astron.tsir. no.252:1 Jl '63.

Nova Ursae Minoris [with summary in English]. V. Satyvaldiev. Biul. Inst. astrofiz. AN Tadzh. SSR no. 36:37-42 '63.

Observations of the nova Herculis (1963). N.S.Komarov, A.A.Aliev. Astron.tsir. no.251:1 Jl '63.

Photographic observations of Nova Herculis (1963). IU.A.Shokin. Astron.tsir. no.252:1 Jl '63.

Supernova in NGC 1084. Astron.tsir. no.266:1 O '63.

Supernova in NGC 3656. Astron.tsir. no.250:1 Jl '63.

Supernova in NGC 5005. Astron.tsir. no.263:1 O '63.

STARS, VARIABLE

Brief news. The 14th Plenum of the Variable Star Committee. Astron.tsir. no.252:4 Jl '63.

Four eclipsing variables [with summary in English]. G. S. Filatov. Biul. Inst. astrofiz. AN Tadzh. SSR no. 35:32-44 '63.

New variable star in Taurus. G.S.Badalian. Astron. tsir. no.261:3-4 O '63.

Six variable stars in the BV list [with summary in English]. T. G. Nikulina. Biul. Inst. astrofiz. AN Tadzh. SSR no. 35: 45-56 '63.

STATE FARMS see subdivision under Farish region; Tselinograd Province

STATE FARMS—ACCOUNTING

A new system of original accounting. K. Mel'nichuk, I. TSukanov. Ekon. sel'khoz. 35 no. 3:87-90 Mr '64.

Special features of the monthly and quarterly report analysis of a state farm. V. Semenov. Fin. SSSR 38 no. 4:75-84 Ap '64.

STATE FARMS—AUDITING AND INSPECTION see subdivision under Karaganda Province; Kokchetav Province

STATE FARMS—DESIGN AND CONSTRUCTION see subdivision under Golodnaya Steppe; Odessa Province

STATE FARMS—FINANCE

(see also subdivision under Karelia)

Sources of formation and the use of fixed assets and working capital on state farms. V. Semenov. Ekon. sel'khoz. 35 no. 4:30-43 Ap '64.

STATE FARMS—LAWS AND LEGISLATION

Our answers. Sov. iust. 28 no. 8:29-30 Ap '64.

STATE FARMS—MANAGEMENT

(see also subdivision under Fergana; Kegeyli District; Tselinograd Province; Ukraine)

The neighbor's land is not a foreign land. IU. Popov. Sov. profsoiuzy 20 no. 8:11-12 Ap '64.

Ruskol, A.A., and A.A. Denisov. [Production managements of collective and state farms and their legal status] Proizvodstvennye kolkhozno-sovkhoznye upravleniia i ikh pravovoe polozhenie. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 126 p.

There are all conditions for the improvement of farms. V. Shaminko. Ekon. sel'khoz. 35 no. 3:69-72 Mr '64.

STATISTICAL PHYSICS

Analytic properties of Green's function and the mass operator [with summary in English]. S. L. Ginzburg. Zhur. eksp. i teor. fiz. 46 no. 3:905-912 Mr '64.

STATISTICAL WEATHER FORECASTING

Evaluation of forecasts, forecasting methods and the quality of the work of a forecaster. S. M. Kozik. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8:131-135 '63.

IU.M.Alekhin's book "Statistical forecasts in geophysics." B.N.Beliaev, V.S.Boldyrev, M.I.Fortus. Meteor.i gidrol. no.2:56-57 F '64.

Statistical methods of weather forecasting. N.A.Bagrov. Meteor.i gidrol. no.2:10-19 F '64.

STATISTICS

Expert Council of the Central Statistical Administration of the R.S.F.S.R. I. Dashin. Vest. stat. no. 5:78 '64.

From the history of views on the interrelationship between economics and statistics. B. Ploshko. Vest. stat. no. 5: 28-33 '64.

Krylova, N. I. [Distribution series; textbook] Riady raspredeleniia; uchebnoe posobie. Moskva, Mosk. in-t nar. khoz. im. G. V. Plekhanova, 1963. 54 p.

Maslov, P. P. [Statistics; a textbook] Statistika; uchebnoe posobie. Moskva, Izd-vo "Mysl'," 1964. 171 p.

Statistical problems discussed in newspapers and journals. Vest. stat. no. 5:67 '64.

Textbook on statistics for economic geographers. L. Sipovskaia. Vest. stat. no. 5:59-64 '64.

STATISTICS—BIBLIOGRAPHY see Bibliography—Statistics

STATISTICS—CONGRESSES

Conference of the heads of the statistical organs of the R.S.F.S.R. V.V. Vest. stat. no. 5:68-74 '64.

STATUTES

Distinguishing between legal acts which have and those which do not have normative character [with summary in English]. A. A. Fedoseev. Vest. LGU 19 no. 5:124-130 '64.

STAVROPOL TERRITORY—CORN (MAIZE)

Growing corn with wider interrows and their effect on the yield of winter wheat in the zone of insufficent moisture in Stavropol Territory [with summary in English]. O. N. Bogoiavlenskii. Izv. TSKHA no. 1:29-41 '60.

STAVROPOL TERRITORY—EURYGASTERS—EXTERMINATION

Methods for exterminating the shield bug Eurygaster integriceps during harvesting. V. Miroshnichenko. Zemledelie 26 no. 1:78-80 Ja '64.

STAVROPOL TERRITORY—GRAIN—DISEASES AND PESTS

Methods for exterminating the shield bug Eurygaster integriceps during harvesting. V. Miroshnichenko. Zemledelie 26 no. 1:78-80 Ja '64.

STAVROPOL TERRITORY—MILK—COMPOSITION

Quality of milk as raw material in Stavropol Territory. V.K.Anisimova, T.A.Krivchikova, N.D.Ivanova. Trudy Stavr.sel'khoz.inst. no.11:85-91 '62.

STAVROPOL TERRITORY—ROTATION OF CROPS

Introduce crop rotations efficiently. V. P. Chachin. Zemledelie 26 no. 4:17-21 Ap '64.

STAVROPOL TERRITORY—SHEEP—DISEASES AND PESTS

Nondismountable mobile sheds in the prophylaxis of pulmonary diseases in lambs. M.T.Terekhina, M.M. Loginov. Trudy Stavr.sel'khoz.inst. no.11:144-147 '62.

STAVROPOL TERRITORY—SHEEP HOUSES AND EQUIPMENT

Nondismountable mobile sheds in the prophylaxis of pulmonary diseasds in lambs. M.T.Terekhina, M.M. Loginov. Trudy Stavr.sel'khoz.inst. no.11:144-147 '62.

Veterinary hygienic estimation of houses for winter lambing of sheep in Stavropol Territory. G.F.Marchenko, P.V.Orlov. Trudy Stavr.sel'khoz.inst. no.11: 55-63 '62.

STAVROPOL TERRITORY—TUBERCULOSIS IN POULTRY

Degree of the activity of various types of tuberculin in the diagnosis of tuberculosis in poultry. A.A.Bannikov, R.S.Khurshudiants, N.D.Tishina. Trudy Stavr.sel'khoz inst. no.11:172-176 '62.

STAVROPOL TERRITORY—WHEAT

Growing corn with wider interrows and their effect on the yield of winter wheat in the zone of insufficent moisture in Stavropol Territory [with summary in English]. O. N. Bogoiavlenskii. Izv. TSKHA no. 1:29-41 '60.

STEAM

Experimental study of free turbulent superheated steam jets. F. T. Belin, S. IA. Shapiro. Teploenergetika 11 no. 5:35-38 My '64.

Radial steam distribution in an ascending turbulent water and steam flow. I. V. Kazin. Teploenergetika 11 no. 1:40-43 Ja '64.

STEAM—ELASTIC PROPERTIES

Equilibrium elasticity of steam over a solution of surface-active agents. A. I. Alteybaeva, V. P. Golubov, V. G. Morachevskii. Probl. fiz. atm. no. 2:187-191 '63.

STEAM, HIGH PRESSURE—TRANSPORTATION

Hydraulic calculation of saturated high-pressure steam pipelines. L. P. Rokhletsov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 6:77-80 '63.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM TURBINES

Automatic control of the recirculation of the condensate of steam turbines. D. K. Fedotov, A. P. Proshutinskii. Prom. energ. 19 no. 4:26-27 Ap '64.

Choice of optimum steam parameters of large condensing blocks. A. E. Gel'tman and others. Teploenergetika 11 no. 1:15-22 Ja '64.

Concerning the magnetization of steam turbines. E. G. Kasharskii, V. P. Kartsev. Izv. vys. ucheb. zav.; energ. 7 no. 4:35-42 Ap '64.

Conversion of an AK-12 (TN-65) turbine to seasonal operation with 1, 2--1, 6 atm. back-pressure back pressure. K. N. Abramov, M. I. Lokhov. Energetik 11 no. 12:21-23 D '63.

Deich, M. E., and Troianovskii, B. M. [Investigations and calculations of the stages of axial-flow turbines] Issledovaniia i raschety stupenei osevykh turbin. Moskva, Izd-vo "Mashinostroenie," 1964.

Efficient design of steam turbine nozzle boxes. A. G. Sheinkman, N. K. Tokmantsev. Energomashinostroenie 9 no. 3:40-41 Mr '63.

Experimental study of radial overflows in turbine stages. G. V. Zhukovskii. Teploenergetika 11 no. 1:53-56 Ja '64.

In the V. I. Lenin Machinery Plant on the Neva. P. D. Buchkin. Energomashinostroenie 9 no. 3:45 Mr '63.

Prevention of air leakage in the VK-25-1 turbine. V. I. Riabtsev. Energetik 11 no. 12:11 D '63.

Programming of the start operations of a 300 Mw. block with a control computer. V. K. Glukhov, M. N. Sidorov, IU. I. Korol'kov. Energomashinostroenie 9 no. 3:3-6 Mr '63.

Start of PVK-200-1 turbines in hot state. B. L. Levchenko, A. A. Mikhailov. Teploenergetika 11 no. 5:2-5 My '64.

Study of the control system of a once-through type boiler-turbine unit with subcritical steam parameters. V. A. Dement'ev, A. IA. Frenkel', IU. B. Ovsiannikov. Teploenergetika 11 no. 5:6-11 My '64.

Use of an efficiency technique for calculating economically optimum parameters of initial steam. A. I. Andriushchenko, IU. M. Khlebalin. Teploenergetika 11 no. 5:71-74 My '64.

STEAMPIPES

Determination of actual stresses in the stream lines of a 200 Mw. block. V. M. Vigak, S. V. Fal'kovskii. Teploenergetika 11 no. 1:22-27 Ja '64.

Effect of the inequality of heat flow on deposits in steam generating pipes. T. Kh. Margulova. Teploenergetika 11 no. 1:43-45 Ja '64.

Imbritskii, M. I. [Design and installation of the fittings of blocks with increased steam parameters] Konstruktsiia i montazh armatury blokov na povyshennye parametry para; iz opyta energeticheskogo stroitel'stva. Moskva, Orgenergostroi.
No. 6. 1963. 70 p.
[MICROFILM]

Prevention of leakage from the welded joints of high pressure heaters. I. I. Korol'kov. Energetik 11 no. 12:11-13 D '63.

Testing of a pipeline with protective sheathing. P. A. Akol'zin, V. N. Guliaev. Teploenergetika 11 no. 1:32-36 Ja '64.

STEARIN

Double melting of tristearin. B.N.Egorov, B.G.Krylov. Zhur.fiz.khim. 37 no. 3:675-676 Mr '63.

STEEL

Improvement of technological features of electrical steel. S. D. Shalfeev, A. S. Galiakbarov, N. S. IAkubov. Elektrotekhnika 35 no. 3:56-57 Mr '64.

STEEL—ANALYSIS

Effect of manganese in steelmaking on the quality of continuously cast slabs. N. A. Nikolaev, E. I. Akimova. Stal' 23 no. 3:226-227 Mr '64.

Using a thermoelectric silicometer in the making of transformer steel. IU. P. Galitskii and others. Stal' 23 no. 3:231-232 Mr '64.

STEEL—CORROSION

Intercrystalline corrosion of 18-8-type steel. V. A. Suprunov, V. N. Kisel'nikov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:156-163 '64.

STEEL—DEFECTS

Susceptibility to flake formation in ledeburite-class steels. L. B. Krepysheva, V. V. Druzhinin. Izv. vys. ucheb. zav.; chern. met. 7 no. 4:129-132 '64.

STEEL—ELECTRIC PROPERTIES

Dependence of unit losses in electrical steel on the force of compression of packs and incremental weight of lacquer coatings. N. F. Krivonos and others. Energ. i elektrotekh. prom. no. 1:59-60 Ja-Mr '64.

STEEL—ELECTROMAGNETIC PROPERTIES

Effect of metal oxidation on the properties of transformer steel. L.P.Ershova, M.I.Kolov, A.I.Terekhova. Stal' 23 no.3:266-269 Mr '64.

STEEL—ELECTROMETALLURGY

Character of the movement of steel drops in slag. V.V. Khlynov and others. Izv.vys.ucheb.zav.; chern.met. 7 no.5:22-25 '64.

Experience in blowing compressed air into the bath of electric arc furnaces. N.G.Davydov. Izv.vys.ucheb. zav.; chern.met. 7 no.4:68-70 '64.

Speranskii, V.G., and I.P.Zabaluev. [Quality control of electric furnace steel] Kontrol' kachestva elektrostali. Moskva, Izd-vo Metallurgiia, 1964. 199 p.

STEEL—FATIGUE

Effect of the operating length of a specimen and of its heating on the fatigue life of steel under pure bending. V.R.Shishaniia, L.A.Molchanov. Zav.lab. 30 no.5: 599-600 '64.

Fatigue strength of thin-walled profiles during bending in various planes. G.V.Kabat. Dokl.TSKHA no.87:441-450 '63.

STEEL—HEAT TREATMENT

Automatic line for heat treatment of hacksaw blades. B.N.Lokotosh. Mashinostroenie no.2:6-7 Mr-Ap '64.

Mechanism of austenite formation on a rapid heating of carbon steels. V.N.Gridnev, V.N.Minakov, V.I. Trefilov. Dokl.AN SSSR 154 no.3:675-678 Ja '64.

Optimum conditions for annealing 30KhGVT steel. M.P. Braun, B.B.Vinokur. Mashinostroenie no.2:57-59 Mr-Ap '64.

Thermomechanical properties of spring strips made of 55KhGR steel. V.D.Kal'ner, L.D.Kossovskii, M.L. Bernshtein. Stal' 23 no.3:269-270 Mr '64.

STEEL—HYDROGEN CONTENT

Effect of plastic deformation and subsequent annealing on the rate of hydrogen penetration into austenite. P.V. Gel'd and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:119-123 '64.

STEEL—INCLUSIONS

Character of nonmetallic inclusions during the butt welding of pipe heated by high-frequency currents. V.I.Tikhomirov and others. Svar.proizv. no.11:10-12 N '63.

STEEL—MAGNETIC PROPERTIES

Effect of tensile forces on the magnetic properties of electrical steel. K.K.Namitokov, V.G.Brezinskii, M.A.Artemova. Energ.i elektrotekh.prom. no.1:61-62 Ja-Mr '64.

STEEL—METALLURGY

Adhesion of ShKh15 steel to slags containing sodium oxide. A.A.Deriabin, S.I.Popel'. Izv.vys.ucheb.zav.; chern. met. 7 no.5:26-27 '64.

Conference on metal refining in the ladle by liquid synthetic slag. A.G.Shalimov. Stal' 23 no.3:232-233 Mr '64.

Effect of preliminary cold hardening on the durability of steel. A.Alybakov, V.A.Gubanova. Izv.AN Kir.SSR. Ser.est.i tekh.nauk 5 no.6:105-110 '63.

Experiments in improving the technology of smelting and casting steel for pipe blanks. IU.E.Bembinek. Izv. vys.ucheb.zav.; chern.met. 7 no.4:48-55 '64.

Making and pouring 25GS and 35GS steels into small ingots. A.I.Anokhina, A.M.Anokhin, G.A.Epov. Stal' 23 no.3:225-226 Mr '64.

Methods for determining the amount of scale formed on low carbon steel. A.S.Afanas'ev and others. Zav.lab. 30 no.5:586 '64.

New developments in research. V.P.Frantsov, E.I. Moshkevich, A.I.Khitrik. Stal' 23 no.3:228 Mr '64.

Studying the concentration of nickel at the point of fatigue fracture in IX18H9T steel. T.Ryskanov. Izv.AN Kir. SSR.Ser.est.i tekh.nauk 5 no.6:125-128 '63.

X-ray diffraction study of the mechanism of fatigue in alloyed steel surface-hardened by grinding. M.M. Koniuk. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6: 119-123 '63.

STEEL—NITROGEN CONTENT

Determination of nitrogen in steels by the method of isotopic equilibration. V.V.Fedorov, G.S.Lazeeva, A.A.Petrov. Zav.lab. 30 no.5:545-548 '64.

STEEL—TESTING

Method of testing fastening steel for stress-rupture strength. G.A.Stepanov. Zav.lab. 30 no.5:596-598 '64.

Results of static tension tests of steel cylindrical specimens having circular single and group notches, and of smooth-roll burnished specimens. B.S.TSfas and others. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'. khoz.Kuib.sel'khoz.inst. no.1:72-78 '62.

Strength of steel in case of an increasing amplitude of variable stresses. V.V.Shvarev. Izv.AN SSSR.Mekh. i mashinostr. no.2:130-133 Mr-Ap '64.

Use of the method of harmonic analysis in determining the size of mosaic blocks and microdislocations in 40X steel in fatigue tests. M.M.Koniuk. Izv.AN Kir.SSR. Ser.est.i tekh.nauk 5 no.6:111-117 '63.

STEEL—WELDING

Dynamic strength of joints between steel and aluminum alloys. G.A.Bel'chuk. Svar.proizv. no.11:3-5 N '63.

Welding dissimilar steels. N.M.Korolev. Svar.proizv. no.11:8-10 N '63.

STEEL, HEAT-RESISTANT

Pipe production from new heat-resistant, ferritic-martensitic steels. V.IA.Ostrenko and others. Stal' 23 no.3:258-263 Mr '64.

STEEL, HEAT-RESISTANT—WELDING

Argon arc welding of heterogenous heat-resistant steels and alloys. I.F.Kobylianskii, V.D.Peshekhonov. Svar.proizv. no.11:18-21 N '63.

STEEL, STAINLESS

Heating and rolling EI171 and EI432 stainless steel ingots. V.K.Kobyzev and others. Stal' 23 no.3:245-246 Mr '64.

STEEL, STAINLESS—METALLOGRAPHY

Effect of lubricating ingot molds on the surface quality of 1Kh18N9T steel. K.N.Konovalov and others. Stal' 23 no.3:229-231 Mr '64.

Nature of the square mark of high etchability on 1Kh18N9T steel pipe blanks. L.B.Kissina, N.P.Talov. Stal' 23 no.3:263-266 Mr '64.

STEEL, STAINLESS—METALLURGY

Improved methods for the final deoxidation of 10Kh16N25M6 and 40KhNMA steels. V.S.Vvedenskii and others. Izv. vys.ucheb.zav.; chern.met. 7 no.5:40-45 '64.

STEEL, STRUCTURAL

Increasing the effectiveness of the use of steels of improved strength in bearing structures. A.I.Otreshko. Dokl.TSKHA no.87:387-396 '63.

STEEL, STRUCTURAL—HARDENING

Effect of unsteady stressed state conditions on the hardening of structural steels. N.V.Oleinik. Nauch.zap.Od. politekh.inst. 48:49-58 '62.

STEEL, STRUCTURAL—METALLURGY

Improved methods for the final deoxidation of 10Kh16N25M6 and 40KhNMA steels. V.S.Vvedenskii and others. Izv. vys.ucheb.zav.; chern.met. 7 no.5:40-45 '64.

STEEL, STRUCTURAL—TESTING

Strength calculation of cyclically conditioned parts. N.V. Oleinik. Nauch.zap.Od.politekh.inst. 48:91-94 '62.

STEEL ALLOYS—TESTING

Changes in the fine crystalline structure of annealed alloyed steel under alternating strain. M.M.Koniuk. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:149-157 '63.

STEEL CASTINGS

Effect of casting temperature on the structure of track shoes made of high-manganese steel. B.S.Speranskii, IU.A.Shul'te, M.I.Kurbatov. Mashinostroenie no.2: 46-47 Mr-Ap '64.

STEEL FORGINGS—TESTING

Production and testing of cast turbine forgings. A.V. Lifanova. Mashinostroenie no.2:41-42 Mr-Ap '64.

STEEL INDUSTRY see subdivision under Begovat (Tashkent Province)

STEEL INDUSTRY—COSTS

Optimal planning of the national economy and the production cost indices of an industrial enterprise. A.A.Anikeich. Prim.mat.v ekon. no.2:13-33 '64.

STEEL INDUSTRY—FINANCE

Consolidated planning of the working capital in metallurgical plants. A.P.Gritsai. Izv.vys.ucheb.zav.; chern. met. 7 no.4:186-190 '64.

Kovalenko, V.I. [The working capital of metallurgical plants] Oborotnye sredstva metallurgicheskogo zavoda. [Stalino] Knizhnoe izd-vo Stalino-Donbass, 1959. 59 p. (Voprosy konkretnoi ekonomiki metallurgicheskoi promyshlennosti)

[MICROFILM]

STEEL INDUSTRY—QUALITY CONTROL

Speranskii, V.G., and I.P.Zabaluev. [Quality control of electric furnace steel] Kontrol' kachestva elektrostali. Moskva, Izd-vo Metallurgiia, 1964. 199 p.

STEEL INGOTS

Causes of the formation of metal incrustations on magnesite steel pouring nossles and ways to prevent it. I.P.Bas'ias, M.M.Belozerov. Stal' 23 no.3:222-224 Mr '64.

Experiments in improving the technology of smelting and casting steel for pipe blanks. IU.E.Bembinek. Izv. vys.ucheb.zav.; chern.met. 7 no.4:48-55 '64.

Making and pouring 25GS and 35GS steels into small ingots. A.I.Anokhina, A.M.Anokhin, G.A.Epov. Stal' 23 no.3:225-226 Mr '64.

Review of M.I.Gol'dshtein's book "Using radioactive isotopes for the study of a steel ingot.", A.A.Zl[illegible]skii, E.I.Rabinovich. Stal' 23 no.3:227-230 Mr '64.

Various methods of heating ingot heads and their effect on the quality of killed steel. V.M.Kirsanov and others. Izv.vys.ucheb.zav.; chern.met. 7 no.4:[illegible] '64.

STEEL INGOTS—DEFECTS

Shrinkage porosity during the centrifugal casting of steel ingots. G.S.Mirzoian. Izv.vys.ucheb.zav.; chern.met. 7 no.5:140-146 '64.

STEEL PIPE see Pipe, Steel

STEERING GEAR

Antomonov, IU.G. [Calculation of systems optimal in respect to response time; ship navigation along its course] Raschet sistem, optimal'nykh po bystrodeistviiu; upravlenie sudnom po kursu. Leningrad, Sudostroenie, 1964. 68 p.

STEPANOV, ALEKSEI ARKHIPOVICH

Our jubilarians: G.L.Zhukovskii, A.A.Stepanov, [illegible] Satz. Sov.muz. 27 no.11:146 N '63.

STEPHENSON, GEORGE, 1781-1848

Virginskii, V.S. [George Stephenson, 1781-1848] Dzhordzh Stefenson, 1781-1848. Moskva, Izd-vo "Nauka," 1964. 213 p.

STEPPE FLORA see subdivision under Kazakhstan

STEPPES
(see also subdivision under Kumak Valley; Or' Valley)

What we learn from afforestation in the steppe. V.IA. Koldanov. Okhr.prir.Sib.i Dal'.Vost. no.[illegible] '62.

STEREOCHEMISTRY

Certain problems involved in the stereochemistry of quinolizidine alkaloids. A.S.Sadykov, A.I.[illegible], Kh.A.Aslanov. Dokl.AN SSSR 155 no.4:865-867 Ap '64.

STEREOPHONIC SOUND SYSTEMS

Gendin, G.S. [Stereophonic low-frequency amplifiers] Liubitel'skie stereofonicheskie usiliteli nizkoi chastoty. Moskva, Izd-vo "Energiia," 1964. 30 p. (Massovaia radiobiblioteka, no.504)

STERILITY

Diagnostic significance of histological examination of endometrial scrapings in sterility [with summary in English]. S.N.Kheifets. Vop.okh.mat.i det. 7 no.6: 61-65 Je '62.

Gogoberidze, R.S. [Treatment of female sterility] Lechenie zhenskogo besplodiia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 179 p.
(DNLM)

STERILITY IN PLANTS

Cytoplasmic male sterility in sugar beets [with summary in English]. N.E.Zaikovs'ka. Ukr.bot.zhur. 20 no.5: 20-32 '63.

Cytoplasmic male sterility of the common onion [with summary in English]. A.A.Makarov. Izv.TSKHA no.1:209-216 '60.

STEROID HORMONES

Electrophoretic protein formula in rheumatic fever treated with steroid homones. A.A.Nizov. Nauch.trudy Riaz.med.inst. 14:170-172 '63.

Electrophoretic protein formula of the blood and its dynamics in the treatment of so-called major collagen diseases with steroid hormones. A.A.Nizov. Nauch. trudy Riaz.med.inst. 14:173-175 '63.

Use of steroid hormones in the acute period of a closed cerebrocranial trauma. E.M.Boeva and others. Zhur.nevr.i psikh. 64 no.3:380-385 '64.

STEROIDS

Content of 17-ketosteroids in the urine of scleroma patients [with summary in English]. G.V.Shcherbina. Zhur.ush.,nos.i gorl.bol. 23 no.6:51-55 N-D '63.

Dynamics of some peripheral blood indices and daily excretion of 17-ketosteroids with the urine of healthy children under the effect of a single administration of ACTH. P.D.Kats, S.A.Dzhafarova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1:109-115 '63.

Function of the hypophysial-adrenal system in aged subjects [with summary in English]. V.P.Eroz. Ukr. biokhim.zhur. 35 no.1:58-63 '63.

Use of Allen's correction in the determination of urinary 17-ketosteroids [with summary in English]. G.L. Dernovskaia-Zelentsova. Ukr.biokhim.zhur. 35 no.5: 754-763 '63.

STILLBIRTH

Stillbirth and maternal mortality in placental presentation. A.M.Foi, M.I.Anisimova. Vop.okh.mat.i det. 7 no.6:55-61 Je '62.

STOCK AND STOCKBREEDING see subdivision under Canada; Great Britain; Kazakhstan; White Russia

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref.zhur.: Zhiv.Vet. nos.9-11 My-Je '64.

STOCK AND STOCKBREEDING—ACCOUNTING see subdivision under Buryat A.S.S.R.

STOCK AND STOCKBREEDING—COSTS

Problems of reducing the cost of livestock products on collective farms. R.Gumerov. Fin.SSSR 38 no.4: 10-19 Ap '64.

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

STOCK AND STOCKBREEDING—RESEARCH see subdivision under Soviet Far East

STOMACH

Application of radiotelemetry in studying the evacuatory function of the stomach. E.B.Babskii and others. Dokl.AN SSSR 156 no.3:719-720 '64.

Relations between the lymphatic system of the stomach and the different sections of the large intestine in children. G.A.Samoilov. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:12-16 '62.

STOMACH—BIOPSY

Apparatus for stomach biopsy. IU.S.Silaev. Vest.khir. 90 no.5:125-126 My '63.

STOMACH—CANCER

Fibrosarcoma of the stomach. V.M.Aliev. Zdrav.Kazakh. 22 no.10:69-71 '62.

Hemangioendothelioma of the stomach. E.S.Futorian, S.V.Kagramanov. Khirurgiia 39 no.6:128-129 Je '63.

Pathomorphological changes in the gastric nervous system due to polypous and cancerous lesions. V.M. Fomicheva. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:92-95 '62.

Resection of the pancreas in the transpleural removal of the stomach in cancer [with summary in English]. A.S. Lur'e. Vest.khir. 90 no.5:42-45 My '63.

Some morphologic changes in the liver following inoculation of the Brown-Pearce tumor in the stomach. K.G. Shchitkov. Dokl.AN SSSR 156 no.1:179-182 My '64.

Surgical treatment of severe dumping syndrome following gastrectomy for cancer developed from polyps. R.K. Kharitonov. Khirurgiia 39 no.6:117-119 Je '63.

Technique of pancreatic resection in a transpleural removal of cardial cancer [with summary in English]. A.S.Lur'e. Khirurgiia 39 no.6:63-65 Je '63.

STOMACH—DISEASES

Dispensary service in stomach diseases. A.F.Krivoshchekii, D.M.Grebennikova. Zdrav.Bel. 9 no.6: 54-55 Je '63.

Effect of injuries of some segments of the nervous system on the stomach and liver. V.V.Chernin. Eksper. khir.i anest. 8 no.4:27 Jl-Ag '63.

Study of the permeability of glandular cells of the stomach with a modified Pentzoldt-Faber iodine-potassium test. I.S.TSimmerman, A.M.Chemodanova. Lab. delo no.3:161-164 '64.

Therapeutic diet in chronic colites accompanied by secondary stomach disorders. E.B.Vygodner, L.A. Terent'eva. Vop.pit. 21 no.5:3-8 S-O '62.

STOMACH—INFLAMMATION

Effect of pepsin on protein digestion in various forms of gastritis. A.A.Tabakov. Lab.delo no.3:159-161 '64.

Ultraviolet erythema in compound treatment of chronic anacidic gastritis. A.M.Tereshchenko, M.V.Alekseeva. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:242-246 My-Je '63.

STOMACH—INNERVATION

Pathomorphological changes in the gastric nervous system due to polypous and cancerous lesions. V.M. Fomicheva. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:92-95 '62.

State of the smooth muscles of the stomach following the transection of the vagus nerves. L.I.D'iachkova. Nauch.trudy SamMI 21:74-78 '62.

STOMACH—SECRETIONS

Dynamics of the secretory function of the stomach during the reflex and neurochemical phase in peptic ulcers. L.A.Aleksinskaia. Sbor.nauch.trud.Ivan.gos.med.inst. no.25:59-63 '62.

Role of the vagus nerves in neurohumoral regulation of gastric secretion in man [with summary in English]. E.V.Loskutova. Khirurgiia 39 no.6:39-48 Je '63.

State of the secretory function of the stomach in sluggish recurrent rheumatic carditis. G.K.Guseva. Sbor. nauch.trud.Ivan.gos.med.inst. no.25:54-58 '62.

STOMACH—SURGERY

Betaneli, A.M. [Duodenal reversion as one of the possible methods for the reconstruction of the alimentary canal following gastric resection] Reversiia dvenadtsatiperstnoi kishki kak odin iz vozmozhnykh sposobov rekonstruktsii pishchevaritel'nogo trakta posle rezektsii zheludka. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 210 p.
(DNLM)

Case of leiomyoma of the cardial segment of the stomach. M.V.Rogozkina. Khirurgiia 39 no.6:126-127 Je '63.

Closure of defects of the stomach wall with polyethylene and nonisolated omentum. R.A.Chaidze. Eksper.khir. i anest. 8 no.4:20-21 Jl-Ag '63.

Data of kymographic recording of arterial pressure, pulse and respiration during surgery on the stomach with the use of various types of anesthesia. V.P.Mateshuk, V.M.Nikitin, B.B.Shugaev. Eksper.khir.i anest. 8 no.4:69-72 Jl-Ag '63.

Errors and hazards in the surgical treatment of cardiospasm [with summary in English]. B.V.Petrovskii, O.D.Fedorova. Khirurgiia 39 no.6:3-10 Je '63.

Functional and morphological changes in the organs of the gastrointestinal tract after stomach resection; clinicoexperimental research [with summary in English]. G.K.Kurchavov. Khirurgiia 39 no.6:65-75 Je '63.

Gastrojejunoplasty using part of the stomach. G.N. Nadareishvili. Eksper.khir.i anest. 8 no.4:22 Jl-Ag '63.

Glomus angioma of the stomach. V.S.Turusov, A.K. Apatenko. Khirurgiia 39 no.6:115-117 Je '63.

Hemangioendothelioma of the stomach. E.S.Futorian, S.V.Kagramanov. Khirurgiia 39 no.6:128-129 Je '63.

Motor and evacuatory function of the resected stomach with small intestine enteroplasty in the early postoperative period [with summary in English]. P.E.Kulakov, G.M.Grigor'ev. Khirurgiia 39 no.6:107-111 Je '63.

Multiple tumors of the stomach [with summary in English]. N.N.Elanskii. Khirurgiia 39 no.6:20-26 Je '63.

Reflex action of food on the cardiovascular system after a total gastrectomy. G.F.Markova. Vop.pit. 21 no.6:10-16 N-D '62.

Resection of the pancreas in the transpleural removal of the stomach in cancer [with summary in English]. A.S. Lur'e. Vest.khir. 90 no.5:42-45 My '63.

Reversion of the duodenum following experimental gastric resection. A.S.Gadzhiev. Eksper.khir.i anest. 7 no.4:31-36 Jl-Ag '62.

Search for new methods of resection of the thoracic segment of the esophagus combined with intrapleural gastroesophagostomy [with summary in English]. A.A.Shalimov. Khirurgiia 39 no.6:33-39 Je '63.

Six peptic ulcers of the small intestine following a conservative resection of the stomach in peptic ulcer. A.A. Cherniavskii, P.S.Sveshnikov. Khirurgiia 39 no.6: 133-134 Je '63.

State of blood serum proteins following surgery for diseases of the stomach and esophagus [with summary in English]. B.M.Orinovskii. Khirurgiia 39 no.6: 85-89 Je '63.

Surgical treatment of cardiospasm (extramucosal thoracoabdominal partial esophagocardiectomy) [with summary in English]. F.Mandache and others. Khirurgiia 39 no.6:10-17 Je '63.

STOMACH—TUMORS

Case of leiomyoma of the cardial segment of the stomach. M.V.Rogozkina. Khirurgiia 39 no.6:126-127 Je '63.

Intraorganic lymphatic system of the human stomach in polyposis. N.A.Krotkova. Sbor.nauch.trud.Ivan.gos. med.inst. no.25:7-11 '62.

Leiomyoma of the stomach combined with acute phlegmon. R.M.Nurmukhamedov. Khirurgiia 39 no.6:132-133 Je '63.

Multiple tumors of the stomach [with summary in English]. N.N.Elanskii. Khirurgiia 39 no.6:20-26 Je '63.

STOMACH—ULCERS

Comparative data on the enzymic activity of the intestinal juice and excrement in experimental stomach ulcers in dogs. A.N.Vazin, M.N.Barteneva. Sbor.nauch. trud.Ivan.gos.med.inst. no.25:49-53 '62.

Functional disorders of the small intestine in experimental stomach ulcers. IA.M.Romanov. Sbor.nauch. trud.Ivan.gos.med.inst. no.25:35-38 '62.

STOMATOLOGY

Organizing and conducting planned sanitation of the oral cavity in schoolchildren. T.F.Vinogradova, L.A.Kop'eva. Trudy TSIU 64:4-10 '63.

Significance of statistical data in the organization of stomatological service for the population. A.A.Akhmedov. Sov.zdrav. 22 no.8:63-65 '63.

STONE

Experimental study of the effect of vibration on the traction resistance of scarifiers. K.V.Aleksandrian. Trudy Arm.NIIMESKH no.1:83-98 '63.

Field testing of a vibration scarifier for stony soils ("kirs"). K.V.Aleksandrian. Trudy Arm.NIIMESKH no.1:99-105 '63.

Theoretical study of the working process of the removal of half-hidden and surface stones by mechanical working parts. R.V.Strekanian, V.G.Dallakian, V.S.Babaian. Trudy Arm.NIIMESKH no.1:203-257 '63.

STONE, CAST

Effect of modifiers on physicomechanical properties of cast stone articles. V.L.Ul'ianov. Mashinostroenie no.2:39-40 Mr-Ap '64.

Improving the quality of melt for stone casting. B.Kh. Khan, S.V.Ladokhin. Mashinostroenie no.2:37-39 Mr-Ap '64.

Relation of structure and quality of cement stone to its formation and hardening. A.V.Volzhenskii. Stroi.mat. 10 no.4:10-13 Ap '64.

STONE AGE see subdivision under Sushchevo region (Moscow Province)

STONECUTTING

Quarrying building stone by stone-cutting machinery. V.D.Abezgauz, F.P.Spivakov. Mekh.stroi. 21 no.4: 21-22 Ap '64.

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STOPING (MINING)

Condition of the ventilation in stopes with a large pitch of caving. A.L.Surkov. Nauch.soob.VostNII no.3:32-38 '63.

Donetskugol', kombinat. [Organization of operations in stopes on flat seams] Organizatsiia truda v ochistnykh zaboiakh na pologikh plastakh. Moskva, Izd-vo "Nedra," 1964. 99 p.

Selecting the length of a stope during blast mining of coal "without workers" in mines of the Prokop'evsk-Kiselevsk Region. P.M.Pleskov. Izv.vys.ucheb.zav.; gor.zhur. 6 no.12:8-13 '63.

STORAGE BATTERIES

Charge maintenance in a storage battery. A.I.Kuznetsov. Energetik 11 no.12:24 D '63.

Lead transfer in a positive electrode of a lead accumulator. N.A.Balashova, B.N.Kabanov, L.D.Kovba. Zhur.prikl. khim. 37 no.4:906-908 Ap '64.

Storage of charged lead batteries. L.Babaeva, S.Selitskaia. Avt.transp. 42 no.4:19-21 Ap '64.

STORE FIXTURES

New display stands for grocery stores. Sov.torg. 37 no.4:58-59 Ap '64.

Organization of the sale of textiles; recommendations of the Administration of Trade Organization and Practice Exchange. Sov.torg. 37 no.3:52-58 Mr '64.

STORES, RETAIL see subdivision under Caucasus, Northern; Uzbekistan; White Russia

STRAIN GAUGES

Magnetoelastic frequency stress gauge. F.I.Mamedov, T.M.Aliev, A.A.Ter-Khachaturov. Azerb.neft.khoz. 43 no.4:46-48 Ap '64.

Measuring device for testing buckets of rotary excavators and study of the process of cutting hard rock. V.N. Pravitskii, M.IA.Korsun'. Izv.vys.ucheb.zav.; gor. zhur. 6 no.12:104-106 '63.

Pasting resistance strain gauges on investigated objects. O.N.Kasatkin. Priborostroenie no.12:18-19 D '63.

STRAINS AND STRESSES

Approximation of actual strain-stress curves. I.P. Obozov. Zav.lab. 30 no.5:602-605 '64.

Calculating circular friction butt joints. Kh.G.Usmanov. Vest.mashinostr. 44 no.4:36-37 Ap '64.

Cohesion of cast-in-situ and old concrete in precast slabs undergoing dynamic loads. V.G.Mikul'skii. Transp.stroi. 13 no.11:53-55 N '63.

Concentration of stresses in numerous grooves. M.D. Smirnov. Izv.vys.uch.zav.; neft' i gaz 5 no.9:93-96 '62.

Conditions for minimum size frames with specified strains. I.A.Fedorov. Sbor.nauch.trud.KGRI 18:75-88 '62.

Determining stresses in rods of a flat statically determinate truss. I.A.Fedorov. Sbor.nauch.trud.KGRI 18:50-52 '62.

Effect of angular and free linear contours on the distribution of stresses in a half plane under the action of a concentrated load. D.V.Riabchenko. Nauch.soob. IGD 22:43-56 '63.

Effect of residual stresses in wire on the efficiency of wire rope. K.I.Tulenkov, B.I.Gaiduchenko. Stal' 23 no.3:280-281 Mr '64.

Experimental study of the bending of double-T steel beams strengthened by pre-tensioning. I.G.Klinov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:26-33 '63.

Lateral distribution of a temporary load in automobile bridges with a joint reinforced concrete slab. A.M. Ivanov, V.M.Lisov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:27-33 '63.

Measuring the stresses acting upon roller bits. V.L. Dolgov. Nauch.soob.IGD 22:148-154 '63.

Redistribution of stresses in reinforced concrete rings. V.I.Ishakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:3-10 '63.

Solution of problems on stress concentration in flat parts by the method of lattices. V.S.Zhukovskii. Izv.vys. ucheb.zav.; mashinostr. no.2:46-54 '64.

Stressed and deformed state and the equation of the movement of a strip being gripped by the rolls. S.L.Kotsar', I.IA.Tarnovskii. Izv.vys.ucheb.zav.; chern.met. 7 no.5:75-80 '64.

STRAINS AND STRESSES (Continued)

Stressed state of a working pipeline during overhauling. K.E.Rashchepkin, V.L.Berezin,n. Izv. vys. uch. zav.; neft' i gaz 5 no. 9:77-81 '62.

Stressed state of the massif and character of its fracturing under the effect of two elongated charges. F. I. Kucheriavyi. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 12:99-103 '63.

Stressed strained state of a circular disk loaded along separate radii. IU. B. Shul'kin. Izv. AN SSSR. Mekh. i mashinostr. no. 2:91-95 Mr-Ap '64.

Structure of a field of microstrains in a developed plastic flow. G. I. Barenblatt, V. A. Gorodtsov. Prikl. mat. i mekh. 28 no. 2:326-334 Mr-Ap '64.

Study of the stressed state of pillars and measures for increasing their supporting power. E. A. Mel'nikov. Nauch. soob. IGD 22:56-64 '63.

Tulatov, V. A. [Investigating strains in steel wire ropes of a multiple-span aerial skidder] Issledovanie usilii v stal'nykh kanatakh mnogoproletnoi VTU-3. Nal'chik, Severo-Kavkazskii Sovet nar. khoz., 1963. 31 p. [MICROFILM]

STRATEGY see subdivision under United States

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRAW

Effect of straw on the biological activity of soils and plants. N.S. Erofeev. Izv. AN SSSR. Ser. biol. no. 3: 465-468 My-Je '64.

STRAWBERRIES

(see also subdivision under Siberia)

Early spring work in orchards and strawberry plantations. E. M. Drozdovskii. Zashch. rast. ot vred. i bol. 9 no. 4: 35-36 '64.

STRAWBERRIES—DISEASES AND PESTS

Strawberry nematode and the complex of measures for protecting strawberries. A. M. Borovkova. Sbor. rab. po nemat. sel'khoz. rast. no. 5:63-69 '63.

STREAM CROSSING, MILITARY

Improved icebreaker. E. Shamin. Voen. vest. no. 3:96-97 Mr '64.

On crossings over the Sivash. B. Badanin. Voen.-ist. zhur. 6 no. 4:32-38 Ap '64.

STREAM MEASUREMENTS

Compositional method for the construction of the functions of the distribution of stream flow probabilities in the zone of deficient moisture. V. N. Parshin. Meteor. i gidrol. no. 4:25-32 Ap '64.

STREET LIGHTING

Evaluation of the performance of outdoor lighting systems. A. N. Makonovitskii, L. P. Shapiro. Svetotekhnika 10 no. 4:14-15 Ap '64.

STREET RAILWAYS

Comprehensive mechanization of the operations in laying streetcar tracks and making major repairs on them. K. I. Belilovskaia, V. S. Naumenko. Nov. tekh. zhil.-kom. khoz.; Gor. dor.-most. khoz. i transp. no. 2:64-78 '63.

Emergency loading at supports of the contact networks of streetcars and trolleybuses. K. V. Ivin. Nov. tekh. zhil.-kom. khoz.; Gor. dor.-most. khoz. i transp. no. 2: 92-100 '63.

Streetcar routes with 1524mm tracks. Regulations for the construction work organization, execution of work, and the acceptance of completed work. Biul. stroi. tekh. 20 no. 11:10 N '63.

STREET RAILWAYS—BIBLIOGRAPHY see Bibliography—Street railways

STREET SIGNS

Some changes in road signs. A. Kodua. Avt. dor. 27 no. 3:20 Mr '64.

STREETCARS

Dynamic indices of new types of streetcars. A. I. IAkovlev, V. P. Tiurin. Nov. tekh. zhil.-kom. khoz.; Gor. dor.-most. khoz. i transp. no. 2:31-46 '63.

STRELETSKOYE STEPPE PRESERVE—BOTANY

Afanas'eva, E. A., and V. N. Golubev. [Soil and botanical studies of the Streletskoye Steppe; Central Chernozem Preserve] Pochvenno-botanicheskii ocherk Streletskoi stepi; TSentral'no-Chernozemnyi gosudarstvennyi zapovednik im. V. V. Alekhina. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 66 p.

[MICROFILM]

STRELETSKOYE STEPPE PRESERVE—SOILS

Afanas'eva, E. A., and V. N. Golubev. [Soil and botanical studies of the Streletskoye Steppe; Central Chernozem Preserve] Pochvenno-botanicheskii ocherk Streletskoi stepi; TSentral'no-Chernozemnyi gosudarstvennyi zapovednik im. V. V. Alekhina. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 66 p.

[MICROFILM]

STRENGTH OF MATERIALS

Causes of the effect of nickel on the cold shortness of iron. IA. I. Spektor, V. I. Sarrak, R. I. Entin. Dokl. AN SSSR 155 no. 5:1054-1057 Ap '64.

An elementary error in N. M. Beliaev's textbook "Strength of materials." N. P. Sidorov, B. S. TSfas. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:71 '62.

Equal strength of a metal-polymer gear transmission. V. A. Belyi, A. I. Sviridenok. Dokl. AN BSSR 8 no. 1:21-23 Ja '64.

Ideally brittle bodies. M. IA. Leonov. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 6:135-137 '63.

Sobolev, IU. S. [Calculating statically indeterminate frames by the method of forces; manual for carrying out the practical studies in the course on the resistance of materials] Raschet staticheski neopredelimykh ram metodom sil; rukovodstvo k vypolneniiu prakticheskikh zadanii po kursu soprotivleniia materialov. Moskva, Mosk. lesotekhn. in-t, 1963. 68 p.

Stabilization of high-strength vacuum condensates. L. S. Palatnik, A. I. Il'inskii. Dokl. AN SSSR 154 no. 3:575-577 Ja '64.

STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC.

Churina, A. N. [Collection of problems on the course "Strength of materials"] Sbornik zadach po kursu "Soprotivlenie materialov." Moskva, Vses. zaochnyi energ. in-t.

Pt. 1. Izd. 2., isp. 1963. 100 p.

STREPTOCOCCAL INFECTIONS

Characteristics of the bacterial carrier state in experimental ocular diphtheria caused by corynebacterium diphtheriae in association with pathogenic cocci. Report No. 1; Dynamics of the isolation of diphtheria bacteria, pseudo-diphtheria bacteria and diphtheroids [with summary in English]. E. V. Bakulina. Zhur. mikrobiol., epid. i immun. 40 no. 4:11-16 Ap '63.

STREPTOCOCCUS

Materials on the pathogenesis of dysentery. Report No. 4: Significance of the titers of anti-O-streptolysine as an index to the participation of streptococci in the etiopathogenesis of clinical forms of dysentery. IU. E. Kocherovskii, F. Z. Abubakirova. Zhur. mikrobiol., epid. i immun. 40 no. 9:132-133 S '63.

Serological differentiation of streptococci isolated from the blood of patients with various forms of endocarditis [with summary in English]. I. L. Tydel'skaia, I. S. Myslavskaia. Zhur. mikrobiol., epid. i immun. 40 no. 9:65-70 S '63.

Specific polysaccharides of streptococci. O. IA. Rashba. Mikrobiol. zhur. 25 no. 1:44-51 '63.

Study of serum antibodies against adenoviral and streptococcal antigens. R. S. Dreizin, L. D. Kniazeva, I. I. Shcherbatov. Vop. med. virus. no. 5 pt. 2:175-178 '58.

STREPTOMYCIN

Development and duration of the preservation of drug-resistant forms of Escherichia coli in prolonged use of streptomycin. O. V. Zalomova. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:105-110 '62.

Effect of prolonged administration of streptomycin and phthivazide on the thiamine content of rabbit tissue and its excretion in the urine [with summary in English]. V. S. Puhachov. Ukr. biokhim. zhur. 35 no. 1:63-71 '63.

Effect of saluzide and streptomycin on some indicators of the functional state of the adrenal cortex in healthy white rats. V. A. Likhvantsev. Nauch. trudy Riaz. med. inst. 15:57-63 '62.

Venous and arterial pressure in tuberculosis patients following antibacterial and surgical treatment. A. A. Sharapov. Zdrav. Turk. 8 no. 1:3-8 Ja '64.

STREPTOMYCIN—TOXICOLOGY

Reduction of the toxic effect of streptomycin on the neuromuscular preparation of a cold-blooded animal. T. A. Speranskaia. Dokl. AN SSSR 155 no. 3:719-720 Mr '64.

STRESS (PHYSIOLOGY)

Change in the rhythmicity of the neurons of the reticular formation in transverse overloads. O. G. Gazenko and others. Dokl. AN SSSR 155 no. 5:1233-1236 Ap '64.

Highly ionized air as a factor in increasing physical work capacity. A. A. Minkh. Vest. AMN SSSR 18 no. 2:33-38 '63.

STRIKES AND LOCKOUTS see subdivision under Asia; France; Greece; Malaysia, Federation of; Pakistan; Spain

STRIP MINING

Efficient systems of open-cut working of Moscow Basin coal seams. A. S. Krasnikov, I. L. Mordukhovich. Ugol' 39 no. 3:16-19 Mr '64.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po toplivnoi promyshlennosti. [Rules for the technical development of enterprises mining deposits by the open pit method] Pravila tekhnicheskoi ekspluatatsii dlia predpriiatii, razrabatyvaiushchikh mestorozhdeniia otkrytym sposobom. Moskva, Izd-vo "Nedra," 1964. 191 p.

Using a computer for the analytical study of strip mining operations. V. S. Khokhriakov, A. F. Tkachev. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:36-44 '64.

STRIP MINING—COSTS

Economic basis for selective ore breaking during the working of complex ore deposits of complicated structure by strip mining. IU. N. Ermolin. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:84-90 '64.

STRIP MINING—EQUIPMENT AND SUPPLIES

Conference on the mechanization of auxiliary operations in strip mines. E. A. Guzhevnikov. Ugol' 38 no. 12: 55-56 D '63.

Methods of selecting an efficient grade for automobile roads in the use of truck transportation in strip mines. M. V. Vasil'ev, E. P. Doronenko. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1:125-131 '64.

STRIP MINING—TERMINOLOGY

Terminology used in strip mining. M. V. Tulovskii. Ugol' 39 no. 3:22-24 Mr '64.

STRONTIUM see subdivision under Atlantic Ocean

STRONTIUM COMPOUNDS

Strontium beryllide. N. N. Matiushenko, L. F. Verkhorobin, V. N. Karev. Kristallografiia 9 no. 2:273-275 Mr-Ap '64.

STRONTIUM ISOTOPES

Sr^{90} deposition and distribution in the teeth of dogs [with summary in English]. E. I. IArtsev. Med. rad 8 no. 5:47-50 My '63.

STRONTIUM TITANATE—SPECTRA

Temperature studies of the dielectric dispersion of polycrystalline BaTiO3 and $SrTiO_3$ within a wide spectral range. V. N. Murzin, A. I. Demeshina. Izv. AN SSSR. Ser. fiz. 28 no. 4:695-702 Ap '64

STRONTIUM–TITANIUM–BISMUTH ALLOYS—ELECTRIC PROPERTIES

Dielectric properties of $SrTiO_3 \cdot Bi_2O_3 \cdot 3TiO_2$ (CBT) solid solutions. S. V. Bogdanov, K. V. Kiseleva. Izv. AN SSSR. Ser. fiz. 28 no. 4:636-642 Ap '64.

STRUCTURAL ENGINEERING

Designing minimum-weight cross-connection systems by limiting loads. L. M. Belen'kii. Izv. vys. ucheb. zav.; mashinostr. no. 2:31-35 '64.

Statistical and economic basis for calculating the reserves of the bearing capacity of structural elements. Report No. 2: A case of noneconomic responsibility. B. Snarskis. Trudy AN Lit. SSR. Ser. B no. 1:157-172 '63.

Statistical and economic basis for calculating the reserves of the bearing capacity of structural elements. Report No. 3: Selection of formulae for calculation. B. Snarskis. Trudy AN Lit. SSR. Ser. B no. 1:173-187 '63.

Statistical and economic basis for calculating the reserves of the bearing capacity of structural elements. Report No. 4: Some general conclusions. B. Snarskis. Trudy AN Lit. SSR. Ser. B no. 1:189-203 '63.

STRUCTURAL FRAMES

Conditions for minimum size frames with specified strains. I. A. Fedorov. Sbor. nauch. trud. KGRI 18:75-88 '62.

Sobolev, IU. S. [Calculating statically indeterminate frames by the method of forces; manual for carrying out the practical studies in the course on the resistance of materials] Raschet staticheski neopredelimykh ram metodom sil; rukovodstvo k vypolneniiu prakticheskikh zadanii po kursu soprotivleniia materialov. Moskva, Mosk. lesotekhn. in-t, 1963. 68 p.

STRUCTURAL FRAMES—VIBRATION

Calculating three-dimensional frame systems for vibration. I. A. Egorov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:34-39 '63.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

Using electronic digital computers in the theory of structures. A. P. Filin. Izv. AN SSSR. Mekh. i mashinostr. no. 2:188-192 Mr-Ap '64.

STRUVE, VASILII VASIL'EVICH, 1889-

The seventy-fifth birthday of Academician V. V. Struve. D. G. Reder. Nar. Az. i Afr. no. 3:213 '64.

Some features of the picture of a scientist and man; on the occasion of V. V. Struve's 75th birthday. S. L. Utchenko. Vop. ist. 39 no. 5:117-120 My '64.

STUDENT ACTIVITIES

(see also subdivision under Altai Territory)

Brief news. Sem'ia i shkola 19 no. 1:24-25 Ja '64.

Creative initiative and social activities. B. Leukhin. Nar. obr. no. 5:48-51 My '64.

Hygienic requirements of work organization in the schools with longer hours. E. M. Vainrub. Rad. shk. 42 no. 2:56-60 F '64.

Let children have summer. Nar. obr. no. 5:3-6 My '64.

Pioneers are enthusiastic people. A. Rozenberg. Nar. obr. no. 5:82-84 My '64.

They built a stadium with their own hands. M. S. Gorbunov, P. M. Bugrov. Vest. vys. shkoly 22 no. 4:64-66 Ap '64.

STUDENT TEACHING

Pedagogical practice of correspondence students. N.Marachev. Nar.obr. no.5:13-14 My '64.

STUDY, METHOD OF

How to teach children to study. P.Konstantinovskii, R.Sviridov. Nar.obr. no.5:115-117 My '64.

STURGEONS

(see also subdivision under Balkhash, Lake; Volgograd Reservoir)

Mil'shtein, V.V. [Improvement in the biotechnics of sturgeon farming] Sovershenstvovanie biotekhniki razvedeniia osetrovykh. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 22 p. (Vosproizvodstvo rybnykh zapasov)

STURGEONS—PARASITES see Parasites—Sturgeons

STYLOLITES

Rare case of the intersection of stylolite sutures. F.P. Krendelev. Dokl. AN SSSR 154 no.3:593-595 Ja '64.

STYRENE

Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene [with summary in English]. V.D.Bezuglyi and others. Vysokom.soed. 6 no.1:125-130 Ja '64.

Block copolymerization of N-vinylphthalimide and styrene [with summary in English]. A.F.Nikolaev, M.N. Tereshchenko. Vysokom.soed. 6 no.3:379-383 Mr '64.

Liquid-hydrogen target made from polyfoam. V.I. Petrukhin, IU.D.Prokoshkin, V.M.Soroko. Prib. i tekh.eksp. 9 no.2:22-23 Mr-Ap '64.

Mechanism underlying the polymerization of isoprene with styrene catalyzed by α - $TiCl_3$ - $Al(C_2H_5)_3$ [with summary in English]. E.V.Zabolotskaia and others. Vysokom.soed. 6 no.1:81-85 Ja '64.

Obtaining dimethyl styrene by the dehydrogenation of cymene. B.L.Kozik, S.V.Pestrikov, L.I.Germash. Trudy BashNII NP no.6:199-204 '63.

Obtaining synthetic rubber on a base of dimethyl styrene. B.L.Kozik, V.A.Balchugova. Trudy BashNII NP no.6:205-207 '63.

Stage mechanism underlying the reduction of β-nitrostyrene in an acid medium on Pd black. L.Kh.Freidlin, E.F.Litvin, V.M.Chursina. Dokl.AN SSSR 155 no.5: 1144-1147 Ap '64.

Study of azeotropes formed by xylene isomers and styrene with methylcellosolve. IU.N.Garber, R.A.Bovkun. Zhur.prikl.khim. 37 no.4:831-837 Ap '64.

STYRENE—TOXICOLOGY

Incidence of disease with a temporary loss of working capacity in chronic intoxication with styrene in industry. Kh.Gel'dyev. Zdrav.Turk. 8 no.1:36-38 Ja '64.

STYRENE POLYMERS

Crystallization of isotactic polystyrene [with summary in English]. V.A.Kargin, T.A.Koretskaia, T.A. Bogaevskaia. Vysokom.soed. 6 no.3:441-443 Mr '64.

Dependence of some properties of polystyrol, polymethyl metacrylate and their copolymer on molecular weight. J.Kriauciunas, R.Zelmys. Trudy AN Lit.SSR.Ser.B no.1:83-93 '63.

Fibrous structures and the formation of an isotactic polystyrene jelly. N.IA.Rapoport-Molodtsova and others. Dokl.AN SSSR 155 no.5:1171-1173 Ap '64.

Structural and mechanical study of isotactic and atactic polystyrene graft copolymers [with summary in English]. V.P.Shibaev and others. Vysokom.soed. 6 no.1:107-111 Ja '64.

Study of the regularities in the process of copolymerization of divinylbenzenes with styrene using azolyat as an emulsifying agent. Z.G.Petrova and others. Azerb. khim.zhur. no.1:37-42 '64.

STYRENE POLYMERS—OPTICAL PROPERTIES

Optical anisotropy of polymethyl methacrylate - polystyrene graft copolymers [with summary in English]. V.N.TSvetkov, S.I.Klenin, S.IA.Magarik. Vysokom. soed. 6 no.3:400-405 Mr '64.

SUBMARINE BOATS

The sea is for the strong. I.Borisov. Sov.voin 46 no.2:37-39 Ja '64.

SUBMARINE GEOLOGY see subdivision under Atlantic Ocean; Black Sea

SUBSIDENCES (EARTH MOVEMENTS)

Study of roof displacement during the mining of contiguous flat seams. E.A.Bober, V.A.Shalaurov. Izv.vys. ucheb.zav.; gor.zhur. 7 no.1:31-35 '64.

SUBSTITUTES FOR METALS see Metals, Substitutes for

SUBSTITUTION (CHEMISTRY)

Certain substitution reactions in the 1,2-dihydropyrrolizine series. A.A.Ponomarev, I.M.Skvortsov, L.N. Astakhova. Dokl.AN SSSR 155 no.4:861-864 Ap '64.

Influence of the substituents in the electrophilic bimolecular substitution reaction. I.P.Beletskaia, T.P.Fetisova, O.A.Reutov. Dokl.AN SSSR 155 no.5:1095-1097 Ap '64.

Interaction of paired atoms and the properties of X-substituted ethylenes. IU.G.Papulov. Zhur.fiz.khim. 37 no.3:648-651 Mr '63.

SUBWAYS

(see also subdivision under Moscow)

Linked subway cars. A.G.Fain. Nov.tekh.zhil.-kom. khoz.:Gor.dor.-most.khoz.i transp. no.2:130-131 '63.

SUBWAYS—STATIONS see subdivision under Moscow

SUCCINIC ACID

Effect of light on the oxidation of succinate by mitochondria of green and etiolated pea plants. I.M.Mosolova, N.M. Sisakian. Dokl.AN SSSR 156 no.3:702-705 '64.

SUCKER RODS

Effect of the sand concentration on the wear of pipes and sucker rod joints in beam wells. B.B.Kruman, IA.K. IUnusov. Azerb.neft.khoz. 43 no.4:28-30 Ap '64.

SUGAR—ANALYSIS AND TESTING

Coefficient of the saturation of saccharose in sugar-molasses-invertase solutions. A.B.Zubchenko. Khleb. i kond.prom. 8 no.4:7-10 Ap '64.

Natural alkalinity. P.M.Silin. Sakh.prom. 37 no.12: 29-30 D '63.

Rapid method for determining reducing sugars and total sugar in confectionery products. I.S.Lur'e. Khleb.i kond.prom. 8 no.4:10-11 Ap '64.

Rapid method for determining the chromaticity of granulated sugar. P.V.Golovin, E.A.Grivtseva. Trudy KTIPP no.27:42-46 '63.

SUGAR—STORAGE

Preparation of the platform floor in the open storage of unrefined cane sugar. S.V.Slabospitskii. Sakh.prom. 37 no.12:50-52 D '63.

SUGAR BEET BREEDING

Effect of the selection of sugar beets based on the root system on the quality and quantity of the yield of progeny [with summaries in English, German, and French]. F.G.Kirichenko, V.I.Overchuk. Vest.sel'khoz.nauki 8 no.12:65-72 D '63.

Interspecific hybridization as a method for obtaining new high-yielding forms of sugar beets. A.F.Marinchik. Agrobiologiia no.5:691-699 S-O '63.

Using forms with sterile pollen in breeding sugar beets. N.A.Negovskii, A.M.Makogon. Agrobiologiia no.5: 700-704 S-O '63.

SUGAR BEET MACHINERY—MAINTENANCE AND REPAIR

For cleaning digger arms. A.I.Getmans'kyi. Mekh. sil'.hosp. 15 no.5:8 My '64.

SUGAR BEETS

(see also subdivision under Dzhambul Province; Krasnoyarsk Territory; Kuban; White Russia)

Characteristics of the use of sugar beet pectin in the production of confectionery goods. L.B.Sosnovskii, G.V.Buzina. Khleb.i kond.prom. 8 no.3:35-37 Mr '64.

Cytoplasmic male sterility in sugar beets [with summary in English]. N.E.Zaikovs'ka. Ukr.bot.zhur. 20 no.5: 20-32 '63.

Nomograms for calculating the density of a plantation. A.P.Terekhov, D.M.Semakhin. Mekh.sil'.hosp. 15 no.5:9-10 My '64.

Shaping sugar beet stands. O.M.Hnatiuk. Mekh.sil'. hosp. 15 no.5:11-12 My '64.

Weed control in sugar beet fields. M.I.Terent'eva. Zashch.rast.ot vred.i bol. 9 no.4:28-29 '64.

SUGAR BEETS—ANALYSIS

Selecting sugar beet samples. A.Savina. Sakh.prom. 37 no.12:63 D '63.

SUGAR BEETS—DISEASES AND PESTS

Effectiveness of ammonium polysulfide in controlling sugar beet powdery mildew. L.M.Zhukova. Khim.v sel'.khoz. 2 no.2:33-34 F '64.

Forecast for sugar beet pests and diseases. I.V.Popova, V.F.Tuchin. Zashch.rast.ot vred.i bol. 9 no.4:40-41 '64.

SUGAR BEETS—FERTILIZERS AND MANURES

Effectiveness of the joint placement of fertilizers, insecticides, and fungicides for sugar beets. E.I. Andreeva, IU.A.Potatueva. Khim.v sel'.khoz. 2 no.3:18-20 Mr '64.

Importance of the form of mineral fertilizers in row placement and as supplementary fertilizers for sugar beets. I.G.Rozhdestvenskii. Khim.v sel'.khoz. 2 no.2:13-16 F '64.

SUGAR BEETS—HARVESTING see subdivision under Ukraine

SUGAR BEETS—STORAGE

Effect of digestion on the amount of sugar losses in sugar beets during storage. T.I.Sorokina. Sakh.prom. 37 no.12:45-46 D '63.

SUGAR BEETS—VARIETIES

Russia (1923- U.S.S.R.) Ministerstva sel'skogo khoziaistva. Upravlenie semenovodstva. [Sugar beet varieties and hybrids] Sorta i gibridy sakharnoi svekly. Moskva, Sel'khozizdat, 1963. 16 p.
(DNAL)

SUGAR BEETS AS FEED

Digestibility of ration nutrients by pregnant sows at various feeding rates of sugar beets. A.P.Pyl'nikava. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:95-98 '64.

SUGAR FACTORIES

Time has come for a revision of the standard decisions on the automation of sugar factories. G.A.Kaminskii. Sakh.prom. 37 no.12:26-29 D '63.

SUGAR FACTORIES—DESIGN AND CONSTRUCTION see subdivision under Zhabinka (Brest Province)

SUGAR INDUSTRY

(see also subdivision under Kirghizistan; Poland)

Settling system for flume waste waters with mechanical removal of sediments. A.V.Pokanevich. Sakh.prom. 37 no.12:17-20 D '63.

SUGAR INDUSTRY—AUDITING AND INSPECTION

Special features of the analysis of the administrative operations of sugar plants. IA.Moreinis. Den.i kred. 22 no.4:70-79 Ap '64.

SUGAR INDUSTRY—COSTS

Improve the standards of economic analysis in sugar factories. IA.I.Moreinis. Sakh.prom. 37 no.12:31-36 D '63.

Using standard methods of accounting in the calculation of the production cost of sugar. G.T.Vilko. Sakh. prom. 37 no.12:41-44 D '63.

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

Concerning the consumption of filter cloth. P.S.Maksimuk. Sakh.prom. 37 no.12:4-6 D '63.

SUGAR INDUSTRY—MANAGEMENT

(see also subdivision under Voronezh Province)

Comparison analysis method of the operational activities of sugar factories and of the improvement of their planning system. V.I.Kuts. Sakh.prom. 37 no.12: 37-40 D '63.

SUGAR INDUSTRY—STUDY AND TEACHING

(see also subdivision under Voronezh)

Pay more attention to technology. M.N.Abdulakh. Sakh. prom. 37 no.12:7 D '63.

SUGAR MACHINERY

(see also subdivision under Poland)

Criterion equation for the thermal design of massecuite crystallizers with cooling. I.S.Gulyi, V.D.Popov. Trudy KTIPP no.27:86-90 '63.

Design of massecuite crystallizers. I.A.Belokon', I.S. Gulyi. Izv.vys.ucheb.zav.; pishch.tekh. no.2:133-137 '64.

Effect of the rate of the sugar juice motion on the thermal resistance of the deposits and on the heat transfer during heating. N.IU.Tobilevich and others. Izv.vys.ucheb. zav.; pishch.tekh. no.2:106-109 '64.

Improving the performance of the automatic control systems in defecation-saturation stations. A.A.Zhirnov, V.V.Safronov. Sakh.prom. 37 no.12:23-25 D '63.

Improving the performance of the equipment in liming stations. I.V.Kachailo. Sakh.prom. 37 no.12:49-50 D '63.

SUGAR MACHINERY—TESTING

Testing the wear resistance of metals in molasses. N.A. Sologub. Trudy KTIPP no.27:113-119 '63.

SUGAR MANUFACTURE

Behavior of pectin substances during juice purification and saccharose crystallization. I.A.Prikhod'ko. Trudy KTIPP no.27:61-66 '63.

Calculating the technological indices of sugar crystallization in vacuum apparatus. I.S.Skripko. Izv.vys.ucheb. zav.; pishch.tekh. no.2:130-133 '64.

Changes in some physicochemical properties of syrup occurring during filtration through kieselguhr. T.F. Gorb and others. Izv.vys.ucheb.zav.; pishch.tekh. no.2:60-61 '64.

Criterion equation of crystallization. I.A.Belokon'. Izv. vys.ucheb.zav.; pishch.tekh. no.2:137-143 '64.

Crystallization diagram. I.N.Kaganov, R.I.Levina. Sakh.prom. 37 no.12:11-14 D '63.

Heat exchange and circulation in the boiling of high-concentration sugar solutions. I.I.Sagan'. Izv.vys.ucheb. zav.; pishch.tekh. no.2:127-129 '64.

Improvement of the criterion equation of the heat transfer in the boiling of massecuite. E.A.Neduzhko. Izv. vys.ucheb.zav.; pishch.tekh. no.2:125-126 '64.

Lepeshkin, I.P., ed. [Manual for a sugar worker] Spravochnik sakharnika. Moskva, Pishchepromizdat.
Pt.1. 1963. 699 p.

SUGAR MANUFACTURE (Continued)

Relative speed of the removal of nonsugar ions during electrodialysis by means of ion exchange resin membranes. L. D. Bobrovnik, I. M. Litvak. Trudy KTIPP no. 27: 31-35 '63.

Separation of the coagulate of colloidal nonsugars after preliminary defecation. K. D. Zhara, S. T. Vil'chinskii. Trudy KTIPP no. 27:51-55 '63.

Some considerations on the ion-exchange location in the beet sugar manufacture. G. B. Aimukhamedova, M. I. Daineko, K. P. Zakharov. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no. 6:11-16 '62.

New data on the circulation of sugar solutions during evaporation. I. I. Sagan'. Trudy KTIPP no. 27:103-113 '63.

Study of the working processes in the continuous crystallization of sugar. V. D. Popov. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:122-125 '64.

Studying the cause of pH changes in sugar-containing solutions during electrodialysis by means of ion exchange resin membranes. L. D. Bobrovnik, I. M. Litvak. Trudy KTIPP no. 27:35-42 '63.

Temperature of height of the boiling point of massecuite. V. P. Troino, M. L. Vaisman. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:128-130 '64.

Testing the method of the sedimentation of the first carbonation juice by the addition of diffusion juice. M. Kh. Liakhitskii, L. D. Bobrovnik, M. I. Barabanov. Trudy KTIPP no. 27:45-51 '63.

Use of battery hydrocyclones for juice filtration. F. N. Dobronravov. Sakh. prom. 37 no. 12:14-17 D '63.

SUGARS

Monosaccharides. Report No. 7: New synthetic path to higher sugars. N. K. Kochetkov, B. A. Dmitriev. Izv. AN SSSR. Ser. khim. no. 4:669-677 Ap '64.

SUGARS—PHYSIOLOGICAL EFFECT

Changes in yeast cells after deep cooling in water, brewer's wort and glycerol. V. M. Rumiantseva. TSitologiia 5 no. 3:328-331 My-Je '63.

SUGGESTION SYSTEMS

Kovalev, A. N. [Innovators' councils] Sovety novatorov. Moskva, Izd-vo "Znanie," 1964. 75 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 3)

People of know-how on an important front. V. Ivanov. Sov. profsoiuzy 20 no. 8:4-6 Ap '64.

SUICIDE

We should severely punish the violators of Soviet laws. K. Velichkin. Sots. zakon. 40 no. 12:15 D '63.

SUKHUM—HEALTH RESORTS, WATERING PLACES, ETC.

Dynamics of the basal metabolism in hypertension patients during their treatment at the Sukhum health resort. O. A. Dzhagashvili. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:93-98 '63.

SULFANOL—TOXICOLOGY

Incidence of disease among the workers of the sulfanol workshop of the Krasnovodsk Petroleum Refinery. M. B. Bairamov. Zdrav. Turk. 8 no. 1:33-35 Ja '64.

SULFATES
(see also subdivision under Karakum)

Determination of sulfates in distilled water with salicylfluorone. V. S. IAnysheva, Z. A. Sazonova. Metod. anal. khim. reak. i prepar. no. 4:133-135 '62.

Determination of sulfates in water, acids, and salts with fluorescein-complexon. E. A. Bozhevol'nov, S. U. Kreingol'd. Metod. anal. khim. reak. i prepar. no. 4:131-133 '62.

Polarographic determination of sulfate ions in the water extract of soil. E. M. Skobets, G. V. Ruchko. Nauch. dokl. vys. shkoly; biol. nauki no. 2:199-200 '64.

SULFATHIAZOLE

New method of producing norsulfazole. V. A. Zasosov and others. Med. prom. 17 no. 9:15-22 S '63.

SULFENAMIDES

N-hexamethylene-2-benzothiazolsulfenamide as an accelerator of rubber vulcanization. M. S. Fel'dshtein, M. V. Gorelik. Kauch. i rez. 23 no. 3:25-29 Mr '64.

SULFIDES
(see also subdivision under Dzhezkazgan region, Karaganda Province)

Rare elements in the oxidation zone of sulfide deposits. N. D. Sindeeva, M. F. Kulikova. Trudy IMGRE no. 10: 288-290 '63.

SULFITE LIQUOR

Changes in the composition of black liquors during evaporation. M. N. Letonmiaki and others. Bum. prom. no. 1:9-11 Ja '64.

SULFONATION

Sulfonation of a hydrofined oil fraction in order to remove aromatic compounds. D. B. Orechkin and others. Nefteper. i neftekhim. no. 4:34-35 '64.

Sulfonation reaction. Part 58: Analysis of sulfo mixtures obtained in phenol sulfonation. A. A. Spryskov, B. G. Gnedin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:61-65 '64.

SULFONIC ACIDS

Sulfarsazene. A. M. Lukin, G. S. Petrova. Metod. poluch. khim. reak. i prepar. no. 5:16-18 '62.

SULFUR
(see also subdivision under Paramushir Island)

First All-Union Conference on the Geology of Native Sulfur. P. M. Murzaev. Izv. AN SSSR. Ser. geol. 29 no. 4:126-128 Ap '64.

Manganese method for the removal of sulfur from sulfur-bearing crudes. V. T. Chagunava, E. R. Dzneladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4: 23-28 '63.

Methods for obtaining oils with improved low-temperature properties from sour crude. D. O. Gol'dberg and others. Trudy BashNII NP no. 6:105-111 '63.

Possibility of lowering the sulfur content of metallurgical coke in the process of dry quenching. G. I. Deshalit. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:169-170 '64.

Possible fields of application for the low-melting components of paraffins and ceresins from sour crudes. I. I. Cherek, V. V. Vorob'eva. Trudy BashNII NP no. 6: 127-133 '63.

Thermal stability of sulfur-bearing crude from Bashkiria. E. G. Ivchenko, G. V. Sevast'ianova. Trudy BashNII NP no. 6:75-79 '63.

SULFUR—ANALYSIS

Tetramercury fluorescein acetate. G. S. Godlina, E. A. Bozhevol'nov, S. U. Kreingol'd. Metod. poluch. khim. reak. i prepar. no. 6:52-54 '62.

SULFUR—PHYSIOLOGICAL EFFECT

Effect of various sulfur sources on the growth of hybrid chicks. V. V. Molochnikov. Khim. v sel'. khoz. 2 no. 3:46-49 Mr '64.

SULFUR COMPOUNDS

Using sulfur preparations for preserving mixed silage made of beet tops and straw [with summaries in English, German, and French]. M. A. Ter-Karapetian, V. A. Petrosian. Vest. sel'khoz. nauki 8 no. 12:28-32 D '63.

SULFUR DIOXIDE

Preparation of sulfur dioxide by the thermal decomposition of natural calcium sulfate. V. M. Kakabadze, M. G. Chkhubianishvili, A. D. Volkov. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 4:121-129 '63.

SULFUR ISOTOPES see subdivision under Volga-Ural region

SULFUR MINES AND MINING

Review of the book "Strip mining of native sulfur deposits." S. B. Ostrovskii. Ugol' 39 no. 3:76-77 Mr '64.

SULFUR ORGANIC COMPOUNDS

Radical nature of degradation of a number of organo-sulfur compounds, accelerators of rubber plasticization [with summary in English]. A. S. Prashchikina, E. N. Gur'ianova, A. E. Grinberg. Vysokom. soed. 6 no. 1: 112-117 Ja '64.

SULFUR SPRINGS see subdivision under Kyurendag Range

SULFURIC ACID

Composition and equilibrium in the system $H_2SO_4 - H_2O$ [with summary in English]. N. G. Zarakhani, M. I. Vinnik. Zhur. fiz. khim. 37 no. 3:503-509 Mr '63.

Using potentiometric titration for the simultaneous determination of the "active" and general H_2SO_4 in solutions obtained in the production of TiO_2. IU. D. Dolmatov. Lakokras. mat. i ikh prim. no. 1:62-63 '64.

SULFURIC ACID INDUSTRY

Use of an iron catalyst in the contact-tower process. I. M. Eselev, I. P. Mukhlenov, D. G. Traber. Zhur. prikl. khim. 37 no. 4:722-727 Ap '64.

SULIN (POLTAVA PROVINCE)—FISHPONDS

Commercial fish farm in Sulin. M. V. Matsegora. Ryb. khoz. 40 no. 3:20 '64.

SUMY PROVINCE—CAPITAL INVESTMENTS

We are trying to increase the efficiency of capital investments. S. Sadkhin. Den. i kred. 22 no. 3:45-47 Mr '64.

SUMY PROVINCE—DIESEL ENGINES—FUEL SYSTEMS

Centralizing the reconditioning of plunger pairs. H. T. Soroka. Mekh. sil'. hosp. 15 no. 2:12-13 F '64.

SUN, YAT-SEN, 1866-1925

Tikhvinskii, S. L. [Sun Yat-sen; his foreign policy views and practice. From the history of the national liberation struggle of the Chinese people, 1885-1925] Sun' IAt-Sen; vneshnepoliticheskie vozzreniia i praktika. (Iz istorii natsional'no-osvoboditel'noi bor'by kitaiskogo naroda, 1885-1925 gg.) Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 353 p.

SUN

Mikhailov, A. A., ed. [Course of astrophysics and stellar astronomy] Kurs astrofiziki i zvezdnoi astronomii. Moskva, Izd-vo "Nauka."
Vol. 3. [By] V. P. Viazanitsyn i dr. Red. kollegiia: A. N. Deich i dr. 1964. 376 p.

Plenum of the Committee on Solar Research. I. A. Prokof'eva. Vest. AN SSSR 34 no. 2:110-110 F '64.

SUN—FACULAE

Accuracy of determining the source function of a facula. V. D. Kuz'minykh, N. I. Koshevnikov. Vest. Mosk. un. Ser. 3: Fiz., astron. 19 no. 2:52-55 Mr-Ap '64.

SUN—FLOCCULI

Changes in the intensity of chromospheric flocculi during the development of active areas on the sun. V. A. Ezerskaia, L. I. Krisenko, R. M. Chirkova. TSir. Astron. obser. Khar. un. no. 26:20-34 '63.

SUN BATHS

Dosage of sun baths in ultraviolet units. G. A. Ushveridze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26: 63-67 '63.

Heat exchange during sun baths. G. A. Ushveridze, M. N. Dgebuadze. Sbor. trud. Gos. nauch.-issl. inst. kur. i fizioter. 26:60-77 '63.

Method of determining thermal comfort during sun baths. G. A. Ushveridze, M. I. Dgebuadze. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:237-242 My-Je '63.

Reaction of the cardiovascular system to solar irradiation and sea bathing and their importance in climatotherapy. B. V. Nikol'skii. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:234-237 My-Je '63.

SUNDUKIANTS, GAVRIIL NIKITICH, 1825-1911

R. Patkanyan's and G. Sundukiants' literary cooperation [in Armenian with summary in Russian]. A. Abagian. Izv. AN Arm. SSR. Obshchestv. nauki no. 1:35-50 Ja '64.

SUNFLOWER SEED

Hygroscopic properties of sunflower seeds. E. A. Shevchenko. Masl.-zhir. prom. 30 no. 3:6-9 Mr '64.

SUNFLOWERS—IRRIGATION see subdivision under Chechen-Ingush A. S. S. R.; Daghestan

SUNSPOTS

Sazonov, B. I. [Upper barometric formations and solar activity] Vysotnye baricheskie obrazovaniia i solnechnaia aktivnost'. Leningrad, Gidrometeoizdat, 1964. 129 p.

SUPERCONDUCTIVITY

Critical magnetic fields in superconducting niobium films [with summary in English]. I. G. D'iakov and others. Zhur. eksp. i teor. fiz. 46 no. 3:831-832 Mr '64.

Problem of the coexistence of ferromagnetism and superconductivity. S. V. Vonsovskii, M. S. Svirskii. Izv. AN SSSR. Ser. fiz. 28 no. 3:416-422 Mr '64.

Specific effect of impurities on the temperature of a superconducting junction in thallium [with summary in English]. B. G. Lazarev and others. Zhur. eksp. i teor. fiz. 46 no. 3:829-830 Mr '64.

SUPERCONDUCTORS

Magnetic suspension of superconductors. L. V. Lazareva. Prib. i tekh. eksp. 9 no. 2:181-184 Mr-Ap '64.

SUPERHEATERS

Experimental study of a component of a steam-to-steam intermediate superheater. L. B. Krol', G. N. Kemel'man, N. N. Mon'kov. Teploenergetika 11 no. 5: 11-18 My '64.

Steam superheater for DKV and DKVR boilers. M. G. Gershtein, P. I. Sokolov. Prom. energ. 19 no. 4:26-29 Ap '64.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC TESTING see Ultrasonic testing

SUPERSONIC WAVES see Ultrasonic waves

SUPPLY AND DEMAND

Contradiction or harmony? V. S. Zabaluev. Trudy Turk. sel'khoz. inst. 11 no. 2:123-127 '62.

Convert accounting into an effective means of studying demand. M. Belousov, P. Kamyshanov. Sov. torg. 37 no. 3:29-32 Mr '64.

SUPPURATION

Case of a large suppurating pseudocyst of the spleen. P. Desnichin. Khirurgiia 39 no. 6:124-126 Je '63.

Compound therapy of an associated purulent infection against a background of previous radiocobalt gamma-ray irradiation [with summary in English]. A. K. Churbanova. Zhur. mikrobiol., epid. i immun. 40 no. 4: 78-82 Ap '63.

Immediate complications following pneumonectomy in chronic lung suppurations. N. F. Tatanov. Khirurgiia no. 1:80-86 '63.

Treatment of diffuse suppurative peritonitis in the Antarctic. N. I. Kalinichenko. Khirurgiia 39 no. 6:93-96 Je '63.

SURAKHANY OIL FIELD—PETROLEUM

[illegible]

SURAKHANY OIL FIELD—PETROLEUM PRODUCTION

[illegible]

SURFACE ACTIVE AGENTS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURFACE CHEMISTRY

[illegible]

[illegible]

SURFACE MEASUREMENT

[illegible]

SURFACE TENSION

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURFACES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURFACES (TECHNOLOGY)

[illegible]

Ryzhov, E. V. [Surface quality and operating characteristics of parts of machines and instruments; verbatim report of a lecture] [illegible] Leningrad, 1963. [illegible]

Supporting area of surfaces subjected to machining. E. V. Ryzhov. Vest. mashinostr. 44 no.4:55-58 Ap '64.

SURFACES, RULED

[illegible] ruled surfaces. [illegible] Izv. vys. ucheb. zav.; mat. no.3:144-152 '64.

[illegible] Izv. vys. ucheb. zav.; mat. [illegible] '64.

SURGERY

[illegible]

[illegible]

[illegible] Soviet surgery. Khirurgiia [illegible]

[illegible]

SURGERY—COMPLICATIONS AND SEQUELAE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURGERY—CONGRESSES

[illegible]

SURGERY, OPERATIVE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURGERY, PLASTIC

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

SURGICAL DRAINAGE see Drainage, Surgical

SURGICAL INSTRUMENTS AND APPARATUS

Apparatus for [illegible] surgery. [illegible] Vest. khir. [illegible] My '64.

Device for [illegible] Khirurgiia [illegible] '64.

Set of sutures for working on the [illegible] Med. prom. 17 no.10:[illegible] O '63.

SURGICAL PATHOLOGY see Pathology, Surgical

SURGICAL PLASTER CASTS see Plaster casts, Surgical

SURGICAL SOCIETIES see subdivision under Moscow; Turkmenistan

SURVEYING

Use of a nuclear aerial magnetometer for setting up an absolute reference net. [illegible] Geofiz. prib. no.12:[illegible] '62.

SURVEYING—INSTRUMENTS

Studying the [illegible] sealed optical theodolite. V. M. Golubkin, N. I. Sokolova, V. A. Vinogradova. Trudy TSNIIGAIK no.93:100-115 '63.

SURVEYING—TABLES, ETC.

Studying the tables used in computing the increase of plane rectangular coordinates in surveying. V. A. Vinogradova, V. M. Golubkin, L. P. Sidel'nikova. Trudy TSNIIGAIK no.93:122-130 '63.

SUSHCHEVO REGION (MOSCOW PROVINCE)—STONE AGE

The ancient site of the Fat'yanovo Culture. V. M. [illegible] Sov. arkheol. 8 no.2:180-191 '64.

SUSLIKS see subdivision under Volga Valley

SUSPENDED RAILROADS see Railroads, Suspended

SUSPENSIONS (CHEMISTRY)

Structural and mechanical properties of suspensions used in ore dressing practice and their effect on the nature of the motion of solids. [illegible] '62.

SUTURES

[illegible] alloplasty (with summary in English). [illegible] Khirurgiia 39 no.6:[illegible] Je '63.

SVANETIA—ARCHITECTURE, DOMESTIC

Domestic architecture of Svanetia. [illegible] '63.

SVERDLOVSK—TUBERCULOSIS—CONGRESSES

[illegible] in the Urals and Volga Valley. [illegible] '62.

SVERDLOVSK PROVINCE—BRICKS

New high-quality bricks. [illegible] Stroi. mat. 10 no.4:[illegible] Ap '64.

SVERDLOVSK PROVINCE—COLLECTIVE FARMS—MANAGEMENT

A [illegible] of mineral fertilizers. [illegible]

SVERDLOVSK PROVINCE—COMMUNICABLE DISEASES

Nauchno-prakticheskaia konferentsiia Sverdlovskoi gorodskoi i oblastnoi sanitarno-epidemiologicheskikh stantsii, 2d, Sverdlovsk, 1961. [Materials of the Second Scientific and Practical Conference of Sverdlovsk City and Province Sanitary and Epidemiological Stations] Materialy. Sverdlovsk, 1962. 221 p.
[DNLM MICROFILM]

SVERDLOVSK PROVINCE—LABORATORIES—CONGRESSES

First Sverdlovsk Province Conference of Laboratory [illegible] Lab. delo no.3:[illegible] '64.

SVERDLOVSK PROVINCE—METALWORKERS—EDUCATION AND TRAINING

Practical work on the technology of metals. [illegible] Prof.-tekh. obr. 21 no.4:[illegible] Ap '64.

SVERDLOVSK PROVINCE—SANITATION

Nauchno-prakticheskaia konferentsiia Sverdlovskoi gorodskoi i oblastnoi sanitarno-epidemiologicheskikh stantsii, 2d, Sverdlovsk, 1961. [Materials of the Second Scientific and Practical Conference of Sverdlovsk City and Province Sanitary and Epidemiological Stations] Materialy. Sverdlovsk, 1962. 221 p.
[DNLM MICROFILM]

SVERDLOVSK PROVINCE—TRANSPORTATION, AUTOMOTIVE

One of many. I. Tropp. Avt. transp. 42 no.5:[illegible] My '64.

SVERDLOVSK REGION—WHEAT

Winter wheat in the Central Urals. V. N. [illegible] Zemledelie 26 no.1:31 Ja '64.

SWAHILI LANGUAGE—PHONETICS

Vowel phonemes in the Swahili language. V. L. [illegible] Nar. Az. i Afr. no.3:119-122 '64.

SWAMPS
(see also subdivision under West Siberian Plain)

Structure and productivity of some swamp plant communities. N. G. [illegible] Trudy Bot. inst. Ser. 3 no.15:5-93 '63.

SWEAT see Perspiration

SWEDEN—AGRICULTURAL CHEMISTRY

Chemistry in the agriculture of Sweden. [illegible] Khim. v sel'khoz. [illegible] Ap '64.

SWEDEN—AGRICULTURE—ECONOMIC ASPECTS

Chemistry in the agriculture of Sweden. N. Soroko. Ekon. sel'khoz. 35 no. 4:108-114 Ap '64.

SWEDEN—COMMERCE—RUSSIA

In the interest of both countries. V. Koshentaevskii. Vnesh. torg. 44 no. 4:38-39 '64.

Russian tanners in Sweden in the 17th century. I. P. Shaskol'skii. Ist. SSSR 8 no. 2:215-217 Mr-Ap '64.

SWEDEN—FEUDALISM

"Studies on the development of the socioeconomic structure of early medieval Sweden by S. Piekarczyk. Reviewed by S. D. Kovalevskii. Vop. ist. 39 no. 5:185-187 My '64.

SWEDEN—FOREIGN RELATIONS

The experience of Sweden; book review. A. Baltin. Nov. vrem. 21 no. 19:27-28 My '64.

SWEDEN—TANNING

Russian tanners in Sweden in the 17th century. I. P. Shaskol'skii. Ist. SSSR 8 no. 2:215-217 Mr-Ap '64.

SWEDEN—TILLAGE—EQUIPMENT AND SUPPLIES

Tillage problems in Sweden. N. I. Volodarskii. Zemledelie 26 no. 4:90-96 Ap '64.

SWEDISH LANGUAGE—DICTIONARIES—RUSSIAN

Skulbeda, P. I., ed. [Swedish-Russian military dictionary] Shvedsko-russkii voennyi slovar'. Sost. M. V. Litvinenko i dr. Moskva, Voenizdat, 1964. 432 p. 432 p.

SWEET GUM see subdivision under Lvov

SWIFT, JOHNATHAN, 1667-1745

Levidov, M. IU. [Johnathan Swift's travels into some remote corners of thought and feeling, first as an explorer, and later on as a fighter in a number of encounters] Puteshestvie v nekotorye otdalennye strany, mysli i chuvstva Dzhonatana Svifta, snachala issledovatelia, a potom voina v neskol'kikh srazheniiakh. Moskva, Sovetskii pisatel', 1964. 422 p.

SWIMMING

Problem of long-range training of young swimmers. B. L. Skvortsov. Teor. i prak. fiz. kul't 26 no. 9:38-42 S '63.

SWINE see subdivision under Gorkiy Province; Poltava Province; Ukraine

SWINE—DISEASES AND PESTS

(see also subdivision under Alma-Ata Province; Ossetia, North; Virgin Territory)

Forage biomycin in treating infectious gastroenterocolitis in swine. G. M. Golovatyi. Veterinariia 40 no. 10:49-50 O '63.

Treating edema in young pigs. I. F. Bychevoi. Veterinariia 40 no. 10:44-45 O '63.

SWINE—FEEDING AND FEEDS

(see also subdivision under Khakass Autonomous Province; Krasnoyarsk Territory; Vitebsk Province; White Russia)

Relation of the intensity of growth and the thickness of the layer of subcutaneous fat with the consumption of feeds [with summaries in English, German, and French]. V. D. Kabanov. Vest. sel'khoz. nauki 8 no. 12:99-103 D '63.

Tissue extracts stimulating growth in swine. S. Pliashchenka, E. Bialova. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1:75-77 '64.

Trace elements in swine feeding [with summaries in English, German, and French]. N. V. Ezdakov. Vest. sel'khoz. nauki 8 no. 12:22-27 D '63.

Use of the tissue preparation VNIIMP-3 in the fattening of swines. D. I. Grudev and others. Trudy VNIIMP no. 15:13-19 '63.

SWINE—PARASITES see Parasites—Swine

SWINE—PHYSIOLOGY

Growth and productivity of Large White and Kemerovo swine under various types of feeding. V. A. Kazak. Trudy Kras. NIISKH 1:223-250 '62.

SWINE—WATERING see subdivision under Ukraine

SWINE AS CARRIERS OF DISEASE

Role of swine in the epizootiology and epidemiology of echinococcosis in Kazakhstan. V. A. Shol'. Paraz. sel'khoz. zhiv. Kazakh. 2:50-56 '63.

SWINE BREEDING

(see also subdivision under Kemerovo Province; Krasnoyarsk Territory; Ukraine)

Improving local swine breeds [with summary in English]. I. A. Savich. Izv. TSKHA no. 1:42-64 '60.

SWINE ERYSIPELAS

Tetracycline in treating swine erysipelas. P. F. Strashko. Veterinariia 40 no. 10:50 O '63.

SWINE HOUSES AND EQUIPMENT see subdivision under White Russia

SWITCHING THEORY

Lander, V. L., V. N. Roginskii, and Sh. G. Solov'ev. [Engineering methods for constructing relay systems] Inzhenernye metody postroeniia releinykh skhem. Moskva, Izd-vo "Sviaz'," 1964. 39 p. (Lektsii po tekhnike sviazi)

SWITZERLAND—MACHINERY INDUSTRY—MANAGEMENT

Organization of storerooms and intraplant conveying in machinery plants in Switzerland. A. M. Belikov. Stan. i instr. 35 no. 4:35-38 Ap '64.

SWORDS

(see also subdivision under Monastyrshchenka, Voronezh Province)

A Scythian acinaces from the upper Don Valley. V. P. Levenok. Sov. arkheol. 8 no. 2:201 '64.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMMETRY (BIOLOGY)

Asymmetry of the sacral sympathetic trunks in human fetuses. R. A. Usmanova. Nauch. trudy SamMI 21:60-62 '62.

Philosophical significance of the manifestation of symmetry in nature. IU. A. Urmantsev. Vop. filos. 18 no. 4:170-174 '64.

Skin temperature asymmetry. Report No. 1: Skin temperature asymmetry in healthy animals. E. I. Kuznetsov. Sbor. nauch. rab. IAr. med. inst. no. 20:29-36 '59.

Skin temperature asymmetry. Report No. 2: Changes in the skin temperature in limited injuries of the cerebral cortex. E. I. Kuznetsov. Sbor. nauch. rab. IAr. med. inst. no. 20:36-45 '59.

Skin temperature asymmetry. Report No. 3: Effect of a limited injury of the cerebral cortex in the region of the musculocutaneous analysor on the asymmetry of skin temperature following unilateral sympathectomy. E. I. Kuznetsov. Sbor. nauch. rab. IAr. med. inst. no. 20:46-55 '59.

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPATHOMIMETIC AGENTS

Content of catechol amines, acetylcholine and cholinesterase in the cerebrospinal fluid and the reactivity of the central nervous system in a catatonic form of schizophrenia. V. M. Mikhlin. Zdravookhranenie 7 no. 1:49-53 Ja-F '64.

SYMPHONY ORCHESTRAS see subdivision under Leningrad

SYNAPSES

Some data on the synaptic organization of a cortical plate of the forebrain in the tortoise. T. V. Davydova. Dokl. AN SSSR 155 no. 4:970-973 Ap '64.

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNTHETIC FABRICS

Use of elastic polyurethane materials in shoe manufacture. B. IA. Krasnov, I. L. Mel'nikova. Kozh.-obuv. prom. 6 no. 4:24-26 Ap '64.

SYNTHETIC FABRICS—TESTING

Comparative analysis of heat insulation materials for clothing. P. A. Kolesnikov, K. G. Gushchina. Nauch.-issl. trudy TSNIIShveiproma no. 10:3-17 '62.

SYNTHETIC PRODUCTS

Chemistry and shoes. G. Grigor'ian. Sov. torg. 37 no. 3:11-13 Mr '64.

Use chemistry in the manufacture of consumer goods. M. Aslanly. Kozh.-obuv. prom. 6 no. 4:43 Ap '64.

Use of synthetic materials in thermal electric power plants. Teploenergetika 11 no. 5:91-93 My '64.

SYPHILIS

(see also subdivision under Vyatka Government)

Abstracts. Vest. derm. i ven. 37 no. 4:77-82 Ap '63.

SYPHILIS—DIAGNOSIS

Fluorescent serological method in the diagnosis of syphilis. N. M. Ovchinnikov and others. Lab. delo no. 5:302-306 '64.

Role of the Treponema pallidum immobilization reaction in the diagnosis of false-positive results with standard serological reactions in pregnant women and patients of psychiatric hospitals. N. M. Ovchinnikov, N. M. Turanov, L. V. Sazonova. Vest. derm. i ven. 37 no. 4:52-57 Ap '63.

A simple method for determining the Treponema pallidum immobilization reaction. N. M. Ovchinnikov. Lab. delo 8 no. 9:9-12 S '62.

Utilizing dried blood serum in the Treponema pallidum immobilization reaction. N. M. Ovchinnikov, L. V. Sazonova. Lab. delo 8 no. 9:12-14 S '62.

SYRPHUS FLIES see subdivision under Caucasus

SYSTEMS (CHEMISTRY)

Certain physical and chemical properties of metal-mercury systems and D. I. Mendeleev's periodic table of elements. V. P. Gladyshev. Vest. AN Kazakh. SSR 19 no. 11:53-57 N '63.

Certain problems of the thermodyna[illegible] ent heterogeneous systems. Part [illegible] English]. A. V. Storonkin, N. A. Smirn[illegible] khim. 37 no. 3:601-607 Mr '63.

Diagrams of binary systems with [illegible] [with summary in English]. I. A. M[illegible] khim. 37 no. 3:634-640 Mr '63.

Exchange decomposition and variation of [illegible] potential in melts. E. K. Akopov. Dokl. A[illegible] no. 3:598-600 '64.

Melting diagram of the system M[illegible] summary in English]. A. S. Berezhno[illegible] Dop. AN URSR no. 4:506-508 '64.

New method of representing the equilib[illegible] liquid phases of a four-component syste[illegible] Dokl. AN SSSR 156 no. 3:622-625 '64.

Physicochemical properties of solutions [illegible] $TlNO_2$ - $RbNO_2$ - H_2O at 25°C. P. I. [illegible] Brykova. Izv. vys. ucheb. zav.; khim. i [illegible] no. 1:3-6 '64.

Properties of the field of demixing of [illegible] comprising one preponderant binary system[illegible] R. V. Mertslin, N. I. Nikurashina, I. A. K[illegible] Zhur. fiz. khim. 36 no. 11:2491-2495 N '62.

Study of the thermodynamic stability of binary [illegible] systems by the dielectric method. K. V. A[illegible] V. K. Semenchenko. Zhur. fiz. khim. 36 [illegible] 2506 N '62.

Zakharov, A. M. [Phase diagrams of quaternary systems] Diagrammy sostoianii chetvernykh [illegible] Moskva, Izd-vo "Metallurgiia," 1964. 239 p.

SYSTEMS ENGINEERING

Errors in determining the probability of [illegible] of stability of some dynamic systems. [illegible] Kartvelishvili. Izv. AN SSSR. Mekh. i [illegible] no. 2:186-187 Mr-Ap '64.

Nonstationary bending and torsional vibra[illegible] engine-rotor system. E. G. Golos[illegible] Izv. AN SSSR. Mekh. i mashinostr. no. [illegible] Ap '64.

Some periodic movements and the structure [illegible] space of an impact-vibration system with [illegible] recovered force. I. I. Bykhovskii and others. [illegible] SSSR. Mekh. i mashinostr. no. 2:161-16[illegible]

TABLE TENNIS

Aduevskii, V. V. [A court on a table] Kort na [illegible] Moskva, "Fizkul'tura i sport," 1964. 45 p. ([illegible] detiam)

TABLETS (MEDICINE)

Additivity of some properties in composite [illegible] tablets. Report No. 3: Three-component [illegible] S. A. Nosovitskaia, E. E. Borzunov, V. P. [illegible] prom. 17 no. 10:35-37 O '63.

Coating of tablets with pellicle-forming substa[illegible] A. G. Daragan. Apt. delo 11 no. 5:75-[illegible]

Glycine as a filler in tablet making. E. A. [illegible] V. A. Cherniaeva, A. M. Pozharskaia. Med. [illegible] no. 9:24-25 S '63.

TABULATING MACHINES

Automatic start of the printing unit in setting [illegible] tabulating machine for "total." V. Podol'skii, [illegible] nov. Vest. stat. no. 5:53-55 '64.

TACTICS

Company tactical exercise. I. Moklovskii. V[illegible] no. 3:54-59 Mr '64.

March and meeting engagement of a motorized [illegible] battalion. F. Gavrikov, N. Medvedev, V. Le[illegible] vest. no. 3:24-39 Mr '64.

TACTICS—PROBLEMS, EXERCISES, ETC.

Solve this problem: Tank battalion in the advance [illegible] Voen. vest. no. 3:48 Mr '64.

TAIGAS

Experimental study of the mechanism of the [illegible] of forest biogeocenoses in the taiga zone. V. G. [illegible] Dokl. AN SSSR 156 no. 1:203-203 My '64.

TAIGAS—CONGRESSES

The All-Union conference on the problems of studying and mastering of the taiga. B. N. Likhanov. Izv. AN SSSR. Ser. geog. no. 2:140-146 Mr-Ap '64.

Conference on current problems in the study of the taiga in connection with the prospects for its reclamation. IU. P. Mikhailov. Izv. Vses. geog. ob-va 96 no. [illegible] Mr-Ap '64.

TAILORING—PATTERN DESIGN

Basic designs of industrial clothing. D. I. Koly[illegible] G. I. Dotsenko. Nauch.-issl. trudy TSNIIShveiproma no. 10:59-84 '62.

TAILORING—TABLES, CALCULATIONS, ETC.

Allowances in the tailoring of coat fronts. L. I. T[illegible]kova. Leh. prom. no. 4:38-43 O-D '63.

TAJIKISTAN—ADMINISTRATIVE ECONOMIC COUNCILS

In the Economic Council. Sbor. nauch.-tekh. inform. no. 3:43-44 '60.

TAJIKISTAN—CONSTRUCTION INDUSTRY

In the Construction Ministry of the Tajik S. S. R. Sbor. nauch.-tekh. inform. no. 3:45 '60.

TAJIKISTAN—DAIRY CATTLE—FEEDING AND FEEDS

Determine the expenditure of feeds for milk production correctly. A. Maniakin. Ekon. sel'khoz. 35 no. 3:100-101 Mr '64.

TAJIKISTAN—EARTHQUAKES

Attenuation of body waves with distance as applied to earthquakes in Tajikistan. A. V. Kozlov. Izv. AN SSSR. Ser. geofiz. no. 4:575-578 Ap '64.

TAJIKISTAN—FOOD

Content of riboflavin in food products of Tajikistan. V. S. Smorodina. Vop. pit. 21 no. 5:84-85 S-O '62.

TAJIKISTAN—FOUNDING

Development of founding in the Tajik S. S. R. A. N. Krainov. Sbor. nauch.-tekh. inform. no. 3:11-14 '60.

TAJIKISTAN—FRUIT

Zapriagaeva, V. I. [Wild fruit plants of Tajikistan] Dikorastushchie plodovye Tadzhikistana. Glav. red. P. N. Ovchinnikov. Moskva, Izd-vo "Nauka," 1964. 694 p.

TAJIKISTAN—INDUSTRIAL MANAGEMENT

In the Scientific and Technical Committee of the Council of Ministers of the Tajik S. S. R. Sbor. nauch.-tekh. inform. no. 3:43 '60.

TAJIKISTAN—MILK, HUMAN—COMPOSITION

Calcium and phosphorus in the milk of parturients under the climatic and geographical conditions of dry subtropics. B. L. Gurtovoi, K. I. Imshenetskaia. Zdrav. Turk. 8 no. 1:16-19 Ja '64.

TAJIKISTAN—PHARMACY

Development of pharmaceutical activity in Tajikistan. M. IA. IAkubov. Apt. delo 11 no. 5:23-25 S-O '62.

TAJIKISTAN—PSYCHIATRY

State of psychiatric aid to the population of Tajikistan. M. G. Guliamov. Trudy Dush. med. inst. 61:7-14 '63.

TAJIKISTAN—SOIL CONDITIONERS

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut khimii. [Polymeric and humic preparations in the national economy] Polimernye i guminovye preparaty v narodnom khoziaistve. Tashkent, Izd-vo "Nauka" UzSSR, 1964. 175 p.

TAJIKISTAN—SPRINKLER IRRIGATION

Distribution of water in soils under sprinkling with the DDA-100M unit on steep and medium slopes. M. P. Kharlamov. Dokl. TSKHA no. 87:83-91 '63.

TAJIKISTAN—STATISTICS—YEARBOOKS

[National economy of the Tajik S. S. R. in 1962; a statistical yearbook] Narodnoe khoziaistvo Tadzhikskoi SSR v 1962 godu; statisticheskii ezhegodnik. Dushanbe, Gos. stat. izd-vo, 1963. 303 p.

TAJIKISTAN—WATER, UNDERGROUND

Diagram of the hydrogeological zoning of southwestern Tajikistan. Sh. D. Finkel'shtein, V. N. Pashkovskii. Neftegaz. geol. i geofiz. no. 12:37-39 '63.

TAKYR see subdivision under Murgab Oasis; Tedzhen Delta

TALALAEV, VLADIMIR TIMOFEEVICH, 1886-1947

Vladimir Timofeevich Talalaev, originator of anatomico-clinical research in the pathogenesis of rheumatic fever. V. K. Beletskii. Nauch. trudy Riaz. med. inst. 14:14-20 '63.

TALDY-KURGAN DISTRICT—AGRICULTURAL ADMINISTRATION

Inspiring prospects. Zh. Syzdykov. Part. zhizn' Kazakh. 34 no. 1:10-14 Ja '64.

TAMA PENINSULA—COINS, ANCIENT

Coins from accidental finds in Patrei in 1961. K. V. Golenko. Num. i epig. 4:103-109 '63.

TAMAN' (KRASNODAR TERRITORY)—COINS, ANCIENT

Finds of coins on Mayakaya Gora. D. B. Shelov. Num. i epig. 4:89-95 '63.

TAMAN' PENINSULA—MASTODON

Anancus arvenensis (Croizet et Jobert) from the Taman' Peninsula. I. A. Dubrovo. Biul. Kom. chetv. per. no. 28:158-161 '63.

TAMILS—SOCIAL LIFE AND CUSTOMS

In the country of the Tamils. V. Makarenko. Az. i Afr. seg. 7 no. 5:33-34 My '64.

TANFIL'EV, GAVRIIL IVANOVICH, 1857-1928

Tanfil'ev lectures in Odessa. M. I. Neishtadt. Izv. AN SSSR. Ser. geog. no. 2:166-167 Mr-Ap '64.

TANK CARS

Calculation of the duration of the discharge of mazut from railroad tank cars. Z. I. Geller. Teploenergetika 11 no. 5:44-48 My '64.

Device for discharging fuel oil from tank cars. Sbor. nauch.-tekh. inform. no. 3:37 '60.

Device for discharging petroleum products from the lower part of tank cars. IU. G. Isupov, V. P. Sviridov. Transp. i khran. nefti i nefteprod. no. 1:33-34 '64.

Hinge-joint metal pipes for heating mazut. A. V. Gromov. Transp. i khran. nefti no. 11:24-25 '63.

TANK WARFARE

(see also subdivision under United States)

Tank armies in battles in the right-bank Ukraine. N. Andronikov. Voen.-ist. zhur. 6 no. 4:20-31 Ap '64.

Technical support of the march of a tank battalion. G. Kuznetsov. Voen. vest. no. 3:43-44 Mr '64.

TANKS

Assembling and using tanks with floating metal roofs. S. A. Tomchinskii. Transp. i khran. nefti no. 11:23 '63.

Calculating cylindrical tanks for stability. E. M. IAsin, V. I. Chernikin. Transp. i khran. nefti no. 11:14-17 '63.

Liandres, Z. O. [Calibrating vertical cylindrical tanks with pontoon roofs] Kalibrovka vertikal'nykh tsilindricheskikh rezervuarov s pontonami. Moskva, Nedra, 1964. 50 p.

Removing paraffin residues from tanks. A. IA. Zlobin. Transp. i khran. nefti i nefteprod. no. 2:24-28 '64.

Unit for ensuring tank stability. L. N. Glukhov. Transp. i khran. nefti no. 11:17-22 '63.

TANKS—MEASUREMENT

Precision of the determination of the volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of a partial filling of the tank with fluid. A. A. Artiushin, A. IA. Luptakov, B. S. TSfas. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:23-26 '62.

Using the model of the tank in determining the volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of a partial filling of the tank with fluid. A. IA. Luptakov, B. S. TSfas. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:17-22 '62.

Volume of a fluid in a cylindrical horizontally laying tank with spherical bottoms in case of a partial filling of the tank with fluid. A. A. Artiushin, B. S. TSfas, I. A. Krestovskii. Sbor. dokl. Stud. nauch. ob-va Fak. mekh. sel'. khoz. Kuib. sel'khoz. inst. no. 1:8-16 '62.

TANKS (MILITARY SCIENCE)

Katunskii, A. M., and V. P. Tarasenkov. [Operation of tanks; a manual for a tank crew] Ekspluatatsiia tankov; posobie tankovomu ekipazhu. Moskva, Voenizdat, 1964. 142 p.

TANNING see subdivision under Sweden

TANNING—EQUIPMENT AND SUPPLIES

Self-discharging drum. I. D. Verbitskaia. Kozh.-obuv. prom. 6 no. 2:44 F '64.

TANNING MATERIALS

Studying the composition of the tanning substances of Accra and Baia cocoa beans. O. A. Kharlamova. Khleb. i kond. prom. 8 no. 3:15-21 Mr '64.

Use of ferments in the production of tanning extracts. M. I. Karpman. Kozh.-obuv. prom. 6 no. 4:33 Ap '64.

TANNING MATERIALS—STANDARDS

Standards for oak wood extracts. A. I. IAkadin. Kozh.-obuv. prom. 6 no. 2:18-19 F '64.

TANNU-TUVA see Tuva A. S. S. R.

TANTALUM

Heat conductivity and electric conductivity of tantalum and niobium. N. Z. Pozdniak, K. G. Akhmetzianov. Teplofiz. vys. temp. 1 no. 2:316-318 S-O '63.

TANTALUM COMPOUNDS

Extraction of fluotantalates with basic dyes. Report No. 1: Extraction of microgram amounts of tantalum as crystal violet fluotantalate [with summary in English]. I. P. Alimarin, S. V. Makarova. Zhur. anal. khim. 19 no. 1:90-93 '64.

TAPEWORMS

(see also subdivision under Kazakhstan)

Characteristics of the scolex Coenurus cerebralis from various ruminants. S. N. Boev, I. B. Sokolova. Paraz. sel'khoz. zhiv. Kazakh. 2:5-10 '63.

Fluorescence microscopic analysis of the provisional tissues of Coenurus. E. D. Logachev, V. I. Bondareva. Paraz. sel'khoz. zhiv. Kazakh. 2:11-14 '63.

TAPEWORMS—EXTERMINATION see subdivision under White Russia

TAR

(see also subdivision under Kiviöli; United States)

Adhesive tars from hydrogenated phenols. E. V. Glushonkova and others. Trudy VNIIT no. 11:120-126 '62.

Composition of compounds separated from intermediate shale tar fractions with a soda solution. I. Kleesment. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:228-241 '62.

Conference on problems concerning the production and use of wood-impregnating oil on a base of shale tars. I. Hüsse. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:310-313 '62.

Continuous distillation of oil shale tars under atmospheric pressure. E. E. Feofilov and others. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:200-216 '62.

Continuous distillation of shale tars and phenols on a pilot device. S. S. Semenov and others. Trudy VNIIT no. 11:134-143 '62.

Dependence of the calcium chloride content in the generator tar and tar water on the technological conditions of gas generators. V. M. Efimov, R. E. Metsik. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:278-284 '62.

Determining the tars present according to All-Union State Standards 8489-58. V. I. Sharapov, A. M. Fomina. Nefteper. i neftekhim. no. 3:16-18 '64.

Distillation of chamber tar in an experimental atmospheric and vacuum distillation unit. G. V. Sipovskii and others. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:190-199 '62.

Distributed blasting in a shale gas generator. E. S. Bezmozgin, A. G. Nemchenko. Trudy VNIIT no. 11:76-80 '62.

Effect of the depth of decomposition of oil shale on the composition and properties of chamber tar and gasoline. R. N. Shapiro. Trudy VNIIT no. 11:43-55 '62.

Investigating the process of the formation of calcium chloride in the tar and tar water from the semicoking of oil shale in gas generators. I. Hüsse, R. Metsik, L. Metsik. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:257-263 '62.

Obtaining thiosalts from the tar of Kashpir shales. N. I. Evstratova and others. Trudy VNIIT no. 11:144-154 '62.

Optimal variation in the technological system of refining oil shale tar. N. I. Zelenin, E. E. Feofilov, V. A. Red'kin. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:152-163 '62.

Potential and actual phenol yields from oil shale tars. N. I. Zelenin, E. E. Feofilov. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:139-152 '62.

Preparing oil shale tar for distillation. V. V. Sheloumov and others. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:174-190 '62.

Separating the mechanical impurities and water from oil shale tar by settling. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:164-173 '62.

Studying the depressing effect of tar residues on the pour point of gas-turbine fuels. O. I. Svetozarova, V. V. Zhdanova. Trudy GrozNII no. 15:119-126 '63.

Testing the methanol method of separating a diesel fraction of shale tar. V. G. Zav'ialov, S. S. Semenov. Trudy VNIIT no. 11:155-167 '62.

TAR—OXYGEN CONTENT

Fast method for determining the neutral oxygen compounds in shale tar fractions; modification of the Stadnikov method. G. V. Sipovskii, H. Timotheus. Khim. i tekh. gor. slan. i prod. ikh perer. no. 10:301-309 '62.

TAR—THERAPEUTIC USE

Results of the treatment and some general reactions of the body following local use of tar preparations in eczematous diseases. Z. P. P'iankova. Nauch. trudy GIDUV no. 12:60-65 '57.

TARTAKOVSKII, GRIGORII IAKOVLEVICH, 1880-1963

Obituary. Zhur. nevr. i psikh. 64 no. 1:157 '64.

TARTARIC ACID

Determination of free hydrochloric acid in the presence of organic acids and chlorides. F. M. Aksel'rod. Vop. pit. 21 no. 6:84-85 N-D '62.

Effect of the redox potential on the course of reactions in solutions. Part 2. E. D. Pozhidaev, S. V. Gorbachev. Zhur. fiz. khim. 36 no. 11:2512-2515 N '62.

TARTU—BOTANICAL GARDENS

[Botanical Garden of Tartu State University (est. 1803); brief history and description of the collections] Tartu Riikliku Ülikooli botaanikaaed (asutatud 1803); lühike ajaloo ja kogude kirjeldus. Tallinn, Eesti Riiklik Kirjastus, 1963. 84 p. [In Estonian]

TASHKENT—COTTON MACHINERY—STUDY AND TEACHING

They will operate the "blue ships." F. Aripov. Part. zhizn' [Uzb.] 7 no. 4:73-75 Ap '64.

TASHKENT—INDUSTRIES

Tashkent as an industrial and transportation center. T. Raimov. Nauch. trudy TashGU no. 213. Geog. nauki no. 24:97-110 '63.

TASHKENT—INFLUENZA

Etiological characteristics of influenza outbreaks in Tashkent in 1957. S. S. Maksumov and others. Vop. med. virus. no. 5 pt. 2:54-59 '58.

TASHKENT—MACHINERY INDUSTRY WORKERS

A workshop undergoes changes; a sketch. V. Polynin. Sov. profsoiuzy 20 no. 8:23-29 Ap '64.

TASHKENT—PAINT INDUSTRY

Right flank fighters. A. Ismailov. Part. zhizn' [Uzb.] 7 no. 4:28-31 Ap '64.

TASHKENT—TRANSPORTATION

Tashkent as an industrial and transportation center. T. Raimov. Nauch. trudy TashGU no. 213. Geog. nauki no. 24:57-110 '63.

TASHKENT REGION—CLOUDS

Analysis of a case of wave clouds over Tashkent. E. I. Sel'tser. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8:52-62 '63.

TASHKENT REGION—WEATHER FORECASTING

Greater precision in the forecasting of continuous rainfall in the Tashkent region in cold seasons. N. P. Sapronova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8: 1-11 '63.

TASTE

Distribution of acetylcholinesterase in the taste bulbs of some vertebrates. R. A. Pevzner. Dokl. AN SSSR 155 no. 4:930-932 Ap '64.

TATAR A. S. S. R.—CLAY

Properties of the clay of the Devonian sediments in the Tatar A.S.S.R. and Bashkiria. B. V. Filippov. Neftegaz. geol. i geofiz. no. 5:48-49 '63.

TATAR A. S. S. R.—EDUCATION—PERIODICALS

Forty-fifth anniversary of a periodical. Kh. Khakimov, S. Shamsutdinova. Nar. obr. no. 4:116-118 Ap '64.

TATAR A. S. S. R.—GEOLOGY, STRUCTURAL

Subsurface structure of the crystalline basement of Udmurtia and northwestern Tatarstan based on the interpretation data of geomagnetic field anomalies. I. M. Urazaev. Izv. AN SSSR. Ser. geol. 29 no. 5:42-55 My '64.

TATAR A.S.S.R.—OIL RESERVOIR ENGINEERING

Investigating the absorptive power of edge-water injection wells in the oil fields of the Tatar A.S.S.R. A. A. Litvinov. Neft. khoz. 42 no. 1:66-69 Ja '64.

TATAR A. S. S. R.—OIL WELL DRILLING RIGS

Organizing operations for the rapid construction and installation of drilling rigs in the Tatar Oil Well Drilling Trust. V. P. Ivanov, M. Kh. Valeev. Neft. khoz. 42 no. 5:17-24 My '64.

TATAR A. S. S. R.—PALEONTOLOGY, STRATIGRAPHIC

Structural-prospecting significance of a horizon with fauna of the massive corals of the Assel' stage. I. N. Tikhvinskii, F. S. Mal'kovskii. Neftegaz. geol. i geofiz. no. 5:31-33 '63.

TATAR A. S. S. R.—THYROID GLAND

Morphology of the thyroid gland in the population of the southeastern part of the Tatar A.S.S.R. IU. K. Razumovskii. Kaz. med. zhur. no. 6:20-21 N-D '62.

TATAR STRAIT—DAMS

Building dams across the Bering, Tatar, and others straits. A. V. Stotsenko. Sbor. nauch. rab. DVNIIS no. 3:94-98 '62.

TAUTOMERISM

Quasitautomeric transformations of aminotriphenylcarbinols. N. G. Belotserkovskaia, O. F. Ginzburg. Dokl. AN SSSR 155 no. 5:1098-1100 Ap '64.

TAVDA VALLEY—JUGLANDACEAE, FOSSIL

Find of fossil nut near Antropovo on the River Tavda. M. G. Gorbunov. Dokl. AN SSSR 155 no. 4:814-817 Ap '64.

TAX COLLECTION
(see also subdivision under Kaliningrad Province)

Strengthen payment discipline. V. Dementsev. Fin. SSSR 38 no. 4:25-30 Ap '64.

TAXATION
(see also subdivision under Kazakhstan; Leningrad)

In the Collegium of the Ministry of Finance of the U.S.S.R. Fin. SSSR 38 no. 4:90-91 Ap '64.

TAXICABS

How we succeeded to reduce the cost of taxicab transportations. R. Shumakov. Avt. transp. 42 no. 4:39-40 Ap '64.

TAXICABS—EQUIPMENT AND SUPPLIES

Repairing and improving the reliability of the T-9 taximeter. B. Maiboroda. Avt. transp. 42 no. 5:27-29 My '64.

TAYMYR NATIONAL AREA—SAMOYEDS

The forest Entsy. V. I. Vasil'ev. Trudy Inst. etn. 84: 33-70 '63.

TBILISI see Tiflis

TEA

Ali-Zade, M. A. [Physiology of the tea plant] Fiziologiia chainogo kusta. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 221 p.
(DNAL)

TEA—FERTILIZERS AND MANURES see subdivision under Lenkoran Lowland

TEACHERS

Teacher in my life. Nar. obr. no. 4:31-47 Ap '64.

TEACHERS—LEGAL STATUS, LAWS, ETC.

Replies to our readers. Sov. profsoiuzy 20 no. 7:46-47 Ap '64.

TEACHERS, TRAINING OF
(see also subdivision under Germany, East)

In the Ministry of Education of the R.S.F.S.R. Nar. obr. no. 5:123-125 My '64.

Let's improve the qualifications of teachers. F. Maksimenko. Nar. obr. no. 5:7-12 My '64.

Teachers generalize their experience. M. Kachurin. Nar. obr. no. 4:26-30 Ap '64.

TEACHING

Control gives good training. F. Kostylev. Nar. obr. no. 4:76-77 Ap '64.

Don't be afraid to argue. V. Bondarevskii. Nar. obr. no. 5:25-27 My '64.

First experimental schools. N. Karapin. Nar. obr. no. 4: 93-97 Ap '64.

It is within our possibilities not to have repeating students. M. Eniseev. Nar. obr. no. 5:32-33 My '64.

Progressive pedagogical practice. M. Kondakov. Nar. obr. no. 4:9-13 Ap '64.

Psychology enters the classroom. B. Korotiaev. Nar. obr. no. 5:28-31 My '64.

Schools without repeating students. E. S. Sokolova, Z. I. Kashina. Nach. shkola 32 no. 1:55-62 Ja '64.

Successes and difficulties of experimental schools. P. Simakov. Nar. obr. no. 4:21-25 Ap '64.

Take care of precious minutes. P. P. Iniutin. Rad. shk. 42 no. 2:60-61 F '64.

TEACHING MACHINES
(see also subdivision under Ukraine)

"OM-9-5" teaching machine. O. H. Mikhnushov, I. IA. Sokolins'kyi. Rad. shk. 42 no. 2:42-47 F '64.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION
(see also subdivision under East Kazakhstan Province; Moldavia)

[Admission rules and programs for students entering secondary specialized schools of the U.S.S.R. in 1964] Pravila priema i programmy dlia postupaiushchikh v srednie spetsial'nye uchebnye zavedeniia SSSR v 1964 godu. Moskva, Izd-vo "Vysshaia shkola," 1964. 51 p.

"Technical education." V. S. Il'in, S. V. Petrichenko, E. K. Korchinskii. Sov. pedag. 28 no. 4:139-141 Ap '64.

TECHNICAL EDUCATION—DIRECTORIES

[Directory for students entering specialized secondary schools of the U. S. S. R.; technical and vocational schools in 1964] Spravochnik dlia postupaiushchikh v srednie spetsial'nye uchebnye zavedeniia SSSR; tekhnikumy, uchilishcha, shkoly v 1964 godu. Moskva, Vysshaia shkola, 1964. 380 p.

TECHNICAL SOCIETIES
(see also subdivision under Armenia)

Fourth Report and Election Meeting of the Scientific and Technological Society of the Light Industry in the Ukraine. Leh. prom. no. 4:92-93 O-D '63.

Mobilize all efforts of the members of the Scientific and Technological Society of the Light Industry for the fulfillment of the seven-year plan ahead of time. V. S. Novikov. Kozh.-obuv. prom. 6 no. 2:1-8 F '64.

Resolution of the Presidium of the Central Administration of the Scientific and Technological Society of the Light Industry. Kozh.-obuv. prom. 6 no. 2:8-9 F '64.

Third Congress of the Scientific and Technological Society. Bum. prom. no. 1:3 Ja '64.

TECHNICIANS IN INDUSTRY

A philosophical study of the psychology of engineering. L. B. Itel'son. Vop. filos. 17 no. 12:166-167 '63.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Armenia; Cheremkhov, Irkutsk Province; Chimkent Province; Kazakhstan; Kirov Province; Leningrad; Uzbekistan)

Abroad. Prom. Arm. 7 no. 3:63-64 Mr '64.

Advertising board. Izobr. i rats. no. 3:37 '64.

All-Union Public Review of the Fulfillment of the Plans for Research Work and of the Application of the Achievements of Science and Technology in the National Economy. Nauch. i rez. 23 no. 3:55 Mr '64.

Chain reaction of innovations. Izobr. i rats. no. 3:4-7 '64.

Determining the economic efficiency of capital investments and new machinery. Vop. ekon. no. 4:100-133 Ap '64.

Effect of technological progress on the increase of labor productivity. S. Pavlov, E. Stantenko. Vop. ekon. no. 4: 101-103 Ap '64.

Foreign news. NTO 6 no. 4:56-57 Ap '64.

From the technologist's notebook of "Izobretatel' i Ratsionalizator." Izobr. i rats. no. 3:37 '64.

Go straight forward. N. Kriukova. Izobr. i rats. no. 3: 11-12 '64.

In the U.S.S.R. Prom. Arm. 7 no. 3:61-63 Mr '64.

Innovators' certificates and patents. Mashinostroitel' no. 2:103-109 Mr-Ap '64.

Inventions. Avtom. i prib. no. 1:66-72 Ja-Mr '64.

Kovalev, A. N. [Innovators' councils] Sovety novatorov. Moskva, Izd-vo "Znanie," 1964. 76 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 3)

News of Soviet science and technology. NTO 6 no. 4: 50-51 Ap '64.

Resolution of the Presidium of the Central Administration of the Scientific and Technological Society of the Light Industry. Kozh.-obuv. prom. 6 no. 2:8-9 F '64.

Set higher standards for the creative activities of volunteer engineers and technicians. S. E. Konovalov. Elek. i tepl. tiaga 7 no. 12:1-3 D '63.

Third All-Union Public Inspection of the Fulfillment of the Plans of Research Work and of the Application of the Achievements of Science and Technology in the National Economy. Masl.-zhir. prom. 30 no. 3:46-47 Mr '64.

This is the way we live. Izobr. i rats. no. 3:22-24 '64.

True road of technological progress. O. L. Vol'pe, A. S. Aksel'rod. Stroi. mat. 10 no. 4:10-16 Ap '64.

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGY

Markov, N. V. [The role of technological progress in the creation of the material and technological foundation of communism; an aid for students of correspondence and evening schools studying the materials of the 22d Congress of the CPSU] Rol' tekhnicheskogo progressa v sozdanii material'no-tekhnicheskoi bazy kommunizma; v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS. [n.p.] "Vysshaia shkola," 1964. 64 p.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—DICTIONARIES

Prado Mendizabal, Pedro, comp. [Spanish-Russian polytechnical dictionary] Ispansko-russkii politekhnicheskii slovar'. Pod red. K. P. Medkova, A. S. Minina, I. A. IAkovleva. Moskva, Sovetskaia Entsiklopediia, 1964. 837 p.

TECHNOLOGY—HISTORY

An international symposium devoted to general problems of the history of science and technology. N. I. Rodnyi. Vest. AN SSSR 34 no. 2:112-113 F '64.

TECHNOLOGY—INFORMATION SERVICES
(see also subdivision under Kuybyshev)

Experience in information work to aid designers. D. M. Bzhalava. NTI no. 12:23 '63.

Experience in organizing the work of technological information and promotion at the "Russkii Dizel'" Plant in Leningrad. V. I. Gol'dinov, V. M. Nadkov. NTI no. 12: 19-20 '63.

Using the publications of the All-Union Institute of Scientific and Technological Information in the Science and Technology Library of the Azerbaijani Republic. T. A. Klimentova. NTI no. 12:22 '63.

TEDZHEN DELTA—TAKYR

Materials on the characteristics of the takyrs of the Tedzhen Delta. P. E. Grazhdan and others. Trudy Turk. sel'khoz. inst. 11 no. 2:51-67 '62.

TEETH

Incorporation of glycine-C^{14} in the protein of teeth and bones of cats in postnatal ontogenesis [with summary in English]. R. P. Podorozhna, V. M. Konovets'. Ukr. biokhim. zhur. 34 no. 1:70-80 '62.

Sr^{90} deposition and distribution in the teeth of dogs [with summary in English]. E. I. IArtseev. Med. rad. 8 no. 5:47-50 My '63.

TEETH—ABNORMITIES AND DEFORMITIES

Expediency of tomography of the temporomandibular joint in orthodontic treatment. I. I. Uzhumetskene. Trudy TSIU 64:258-264 '63.

Indications for tooth extraction in orthodontic treatment; a survey of foreign literature. A. A. El'-Nofeli. Trudy TSIU 64:265-271 '63.

Orthodontic treatment and application of a prosthesis in partial absence of teeth. F. IA. Khoroshilkina. Trudy TSIU 64:272-277 '63.

TEETH—DISEASES

[illegible]

[illegible]

TEETH—EXTRACTION

[illegible]

[illegible]

TEETH—WOUNDS AND INJURIES

[illegible]

TEKTITES

[illegible]

TEKTITES—ANALYSIS

[illegible]

TELECOMMUNICATION

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TELECOMMUNICATION—[illegible]

[illegible]

TELECOMMUNICATION—EMPLOYEES

[illegible]

TELEGRAPH

[illegible]

[illegible] [MICROFILM]

[illegible]

TELEMETERING

[illegible]

[illegible]

[illegible]

TELEOSTEI

[illegible]

TELEPHONE

[illegible]

[illegible] in switching train telephones should be tested. A. V. Babenko. Avtom., telem. i sviaz' 8 no. 5:43 My '64.

[illegible], V. A. [Diagrams of telephone apparatus with transistor amplifiers, manual for students of the fourth course in telegraph and telephone communication] Skhemy telefonnykh apparatov s usiliteliami na tranzistorakh; uchebnoe posobie dlia studentov IV kursa telegrafnoi i telefonnoi sviazi. Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1964. 33 p. [illegible]

[MICROFILM]

Vol'fman, E. B. [Recreational telegraphy and telephony] Zanimatel'naia telegrafiia i telefoniia. Izd. 2., ispr. i dop. Moskva, Izd-vo "Sviaz'," 1964. 271 p.

[illegible]

TELEPHONE, AUTOMATIC

[illegible], M. G., and I. D. [illegible]. [Automatic telephony] Avtomaticheskaia telefoniia. Moskva, Sviaz'izdat, 1963. 373 p.

Bulgaria.

[illegible]

TELEPHONE LINES—TESTING

[illegible], V. N., and V. O. Shvartsman. [Electrical measurements of long distance cable lines] Elektricheskie izmereniia mezhdugorodnykh kabel'nykh linii. Moskva, Izd-vo "Sviaz'," 1964. 263 p.

TELESCOPE

[illegible]

TELESCOPE, RADIO

[illegible]

[illegible]

[illegible]

TELEVISION

[illegible], M. V. [Design principles of applied television systems and apparatus] Osnovy proektirovaniia sistem i apparatury prikladnogo televideniia. Moskva, Izd-vo "Energiia," 1964. 255 p.

[illegible]

TELEVISION—AUSTRALIA

[illegible]

[illegible]

TELEVISION—EQUIPMENT AND SUPPLIES

[illegible]

[illegible]

[illegible]

TELEVISION—PICTURE TUBES

[illegible]

TELEVISION—RECEIVERS AND RECEPTION

[illegible], A. G. [Horizontal sweep stages] [illegible] Moskva, Izd-vo "Energiia," 1964. 63 p. (Biblioteka "Televizionnyi priem," no. 9)

Synchronization of sweeping stages in television receivers. [illegible]

TELEVISION—REPAIRING

[illegible]

Checking the individual stages of a television receiver. [illegible]

Study of sync pulses using an oscilloscope. [illegible]

[illegible], T. D. [Advice to the television viewer] [illegible] [Leningrad] Lenizdat, 1964. 169 p.

TELEVISION BROADCASTING

Our younger brother. [illegible]

Sokolov, V. N. [Equipment and organization of technical control in radio and television broadcasting and methodology for measuring the quality indices of radiobroadcasting channels] Oborudovanie i organizatsiia sluzhby tekhnicheskogo kontrolia radioveshchaniia i televideniia i metodika izmereniia kachestvennykh pokazatelei radioveshchatel'nykh traktov. Moskva, Gos. komitet Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 81 p.

[MICROFILM]

TELEVISION CAMERAS

All-purpose color television camera. V. A. [illegible], A. I. [illegible]. Tekh. kino i telev. 7 no. 12:52-57 D '63.

Depth of field in wide-screen television systems. V. N. Babenko. Tekh. kino i telev. 7 no. 12:29-33 D '63.

Improving image quality in the [illegible] television cameras for motion picture broadcasting [illegible] Tekh. kino i telev. 8 no. 5:41-44 My '64.

TELEVISION IN ADVERTISING

Advertisement on a blue screen. V. Glazunova. Sov. torg. 37 no. 4:72-73 Ap '63.

TELEVISION IN EDUCATION
(see also subdivision under Poland)

Glebov, V. I. [Television in the educational process] Televidenie v uchebnom protsesse. Moskva, "Vysshaia shkola," 1964. 104 p. (Obmen opytom raboty)

TELEVISION STATIONS—EQUIPMENT AND SUPPLIES

Device for measuring the depth of modulation. [illegible] Tekh. kino i telev. [illegible]

TELLURIUM
(see also subdivision under Altai Mountains, Karamazar Mountains)

[illegible]

[illegible]

TEMPERATURE—PHYSIOLOGICAL EFFECT

[illegible]

[illegible]

[illegible]

[illegible]

Effect of noise [illegible] at various temperatures. [illegible]

[illegible]

Influence of the temperature factor on the [illegible]

Study of [illegible]

[illegible]

TEMPERATURE FIELDS

Calculation of the temperature field of the bottom plate of the press [illegible] for tire vulcanization. L. I. [illegible] Nauch. trudy NIIShP no. [illegible]

Calculation of the temperature field of the vulcanization plate with electric heating. Report No. 2. L. I. [illegible] Nauch. trudy NIIShP no. 20:197-204 '62.

Nonsteady-state temperature field in multilayer systems. [illegible] Teplofiz. vys. temp. 1 no. 3:[illegible] N-D '63.

[illegible] in a long rectangular prism. [illegible]

Temperature field of a system of bodies having [illegible] temperature areas. [illegible]

TEMPERATURE REGULATORS

[illegible], I. D. [Centralized temperature regulation and control systems in manufacturing rubber and plastic articles] Tsentralizovannye sistemy regulirovaniia i kontrolia temperatury pri proizvodstve izdelii iz reziny i plastmassovykh mass. Moskva, Izd-vo "Legkaia industriia," 1964. 121 p.

Programmed temperature regulator for a pickling [illegible] depending on the concentration of sulfuric acid. N. A. [illegible] no. 4:[illegible] Ap '64.

TEMPERATURE REGULATIONS (Continued)

Pulse regulation of temperature in soaking pits. A.F. Krasnov and others. Izv.vys.ucheb.zav.; chern.met. 7 no.5:170-176 '64.

Refrigerator car as an object of temperature control. N.V.M[illegible]. Trudy MIIT no.171:157-166 '63.

Regulation of the temperature of the pads of garment ironing presses. Report No.1. A.S.Ruzhentsev. Nauch.trudy MTILP no.26:238-244 '62.

Regulation of the temperature of the pads of garment ironing presses. Report No.2. A.S.Ruzhentsev, D.E. Sinel'nikov. Nauch.trudy MTILP no.26:245-252 '62.

Relay to contact thermometer. V.D.Stashuk. Zav.lab. 30 no.5:633 '64.

Temperature regulator based on a self-excited self-oscillator. L.IA.Mesh, D.M.Kaminer, I.I.Vinshtein. Avtom.i prib. no.1:59-60 Ja-Mr '64.

TEMPOROMANDIBULAR JOINT—DISEASES

Experience in treating diseases of the temporomandibular joint with hydrocortisone. V.S.Ivanov. Trudy TSIU 64:163-171 '63.

Modern position on the problem of arthrosis arthritis of the mandibular joint. L.S.Izmailova. Trudy TSIU 64: 162-167 '63.

TEMPOROMANDIBULAR JOINT—INNERVATION

Anesthesia of the mandibular nerve in children. A.E. Verlotskii, L.V. Gornostaeva. Trudy TSIU 64:176-182 '63.

TEMPOROMANDIBULAR JOINT—RADIOGRAPHY

Expediency of tomography of the temporomandibular joint in orthodontic treatment. I.I. Uzhumetskene. Trudy TSIU 64:258-264 '63.

TENDON OF ACHILLES

Kinesimetric indices of the Achilles tendon reflex in relation to age. E.B.Liubchinskii, L.N.Pines. Zhur. nevr.i psikh. 64 no.3:331-333 '64.

TENDONS—SURGERY

Changes in statics in cerebral spastic paralysis patients following surgery for tendon elongation. V.M.Pigin. Ortop., travm.i protez. 24 no.10:35-41 O '63.

TENSIOMETERS

Using the tensiometric method for determining the regularities of the distribution of rock pressure in underground structures. V.E.Stepanian. Trudy TSNIIPodzemshakhstroia no.2:158-168 '63.

TENT CATERPILLARS **see subdivision under Siberia, Western**

TERBIUM ISOTOPES—DECAY

Half-decay period of Tb^{157}. E.P.Grigor'ev. Zhur.eksp. i teor.fiz. 46 no.3:1138-1139 Mr '64.

TEREK VALLEY—PETROLEUM GEOLOGY

Study of the lithological composition of the Middle Jurassic Terek-Kuma Trough. IU.A.Sterlenko. Izv.vys. ucheb.zav.; neft' i gaz 6 no.12:3-7 '63.

TEREK VALLEY—PRICKLY PEAR

Chemical composition of the prickly pear. M.N.Sileva. Biul.Glav.bot.sada no.48:99-100 '63.

TEREKTA RANGE—SLOPES (PHYSICAL GEOGRAPHY)

Origin of the scraps on the southern slopes of the Terekta Range in the central Altai. G.A.Shmidt. Biul.Kom. chetv.per. no.28:161-164 '63.

TEREPHTHALIC ACID

Evaluating the molecular weights of polyethylene terphthalate and of the fibers made from it (lavsan). E.M.Aizenshtein, M.I. Zhivina. Khim.volok. no.2: 74-75 '64.

Solid state polyesterification. Part 1: Solid phase polyesterification of p-acetoxybenzoic acid and low-molecular weight products of condensation of dimethyl terephthalate and ethylene glycol [with summary in English]. A.I.Koretskaia, G.I.Kudriavtsev, A.A. Konkin. Vysokom.soed. 6 no.3:434-440 Mr '64.

Thermal degradation of polyethylene terephthalate. I.E. Kardash, A.N.Pravednikov, S.S.Medvedev. Dokl.AN SSSR 156 no.3:658-661 '64.

TERNY (DNEPROPETROVSK PROVINCE)—HOTELS, TAVERNS, ETC.

High-rise hotel in Terny. V.Listrovoi. Stroi.i arkhit. 11 no.10:31 O '63.

TERRACES (GEOLOGY)

(see also subdivision under Dniester Valley; Merkys Valley)

Kinematics of the formation of marine abrasive terraces. N.V.Esin. Okeanologiia 4 no.2:284-289 '64.

TERRESTRIAL ELECTRICITY

Diurnal variations in the earth's electric field. P.A. Vinogradov. Izv.AN SSSR.Ser.geofiz. no.4:610-524 Ap '64.

TERRESTRIAL MAGNETISM **see Magnetism, Terrestrial**

TERSINKA TROUGH—PETROLEUM GEOLOGY

Nature of the gravity-magnetic anomalies of the Tersinka Trough in connection with prospects for finding gas and oil in it. V.F.Kononkov, E.V.Kucheruk, T.I.Khenvin. Neftegaz.geol.i geofiz. no.5:38-41 '63.

TERSINKA TROUGH—PROSPECTING—GEOPHYSICAL METHODS

Nature of the gravity-magnetic anomalies of the Tersinka Trough in connection with prospects for finding gas and oil in it. V.F.Kononkov, E.V.Kucheruk, T.I.Khenvin. Neftegaz.geol.i geofiz. no.5:38-41 '63.

TESTICLE

Change in the nucleic acid content of a regenerating rat testicle under the influence of rabbit testicle extract. R.G.Gachechiladze, G.D.Tumanishvili. Dokl.AN SSSR 156 no.1:171-173 My '64.

TESTING MACHINES

Apparatus for cyclic tensile testing. V.I.Kovpak, IU.A. Kuzema. Zav.lab. 30 no.5:611-612 '64.

Apparatus for high-speed testing of tension and stress-rupture strength with the heating of the specimen by a passing current. B.A.Klypin. Zav.lab. 30 no.5:610-611 '64.

Apparatus for testing materials for wear in reciprocating motion. P.I.Talanov, A.S.Chelushkin. Zav.lab. 30 no.5:613-614 '64.

Machine for endurance testing of armature-binding wire. F.M.Gorodnitskii, V.K.Fink. Zav.lab. 30 no.5:607-608 '64.

Machine for testing friction materials for bearings. F.P.Snegovskii, A.V.Polidorov. Zav.lab. 30 no.5: 614-616 '64.

Universal hydraulic stand. V.S.But'ko. Mashinostroenie no.2:29-30 Mr-Ap '64.

TETANUS

Data on the reactogenicity of pertussis-diphtheria-tetanus vaccine. R.V.Gordina and others. Zhur.mikrobiol., epid.i immun. 40 no.9:14-18 S '63.

TETANUS—PREVENTIVE INOCULATION

Compound immunization by pertussis-diphtheria-tetanus and smallpox vaccines [with summary in English]. S.A. Usmanova. Zhur.mikrobiol., epid.i immun. 40 no.9: 30-36 S '63.

Experimental study of combined vaccine for active immunization against scarlet fever, diphtheria, whooping cough and tetanus [with summary in English]. P.V. Pavlov and others. Zhur.mikrobiol., epid.i immun. 40 no.9:3-10 S '63.

Reactogenicity and immunological effectiveness of the pertussis-diphtheria-tetanus vaccine. G.V.Ignat'ova. Zhur.mikrobiol., epid.i immun. 40 no.9:134-135 S '63.

TETANUS ANTITOXIN

Study of the immunogenic properties of sorbed diphtheria-tetanus anatoxin [with summary in English]. I.K. Dzhavrova, N.I. Apanashchenko, N.S.Kashintseva. Zhur.mikrobiol., epid.i immun. 40 no.9:57-61 S '63.

TETRACAINE

Electrophysiological study on the exclusion of the afferent impulsation in intestine nerves by dicaine. V.I.Galakhov, V.V.IUrov. Uch.zap.Orlov.gos.ped. inst. 18:131-136 '63.

TETRACAINE—PHYSIOLOGICAL EFFECT

Exclusion of the duodenal receptors by means of tetracaine. V.I.Galakhov. Nauch.trudy Riaz.med.inst. 15:7-11 '62.

Qualitative characteristics of the effect of tetracaine on the duodenal receptor apparatus. V.I.Galakhov. Nauch. trudy Riaz.med.inst. 16:11-15 '62.

TETRACYCLINE

Tetracycline in treating swine erysipelas. P.F.Strashko. Veterinariia 40 no.10:50 O '63.

Use of antibiotics of the tetracycline series in experimental radiation sickness. A.M.Dumova, O.O.Chirkova. Antibiotiki 8 no.8:723-728 Ag '63.

TETRACYCLINE—PHYSIOLOGICAL EFFECT

Effect of tetracycline on the morphology of Pseudomonas pyocyanea. A.G.Khvoles. Lab.delo no.5:307-309 '64.

TETRACYCLINE—SIDE EFFECTS

Transplacental side effects of tetracyclines on the rabbit fetus. A.I.Barkalaia, A.M.Prokhorova. Antibiotiki 8 no.8:728-732 Ag '63.

TETRACYCLINE—TOXICOLOGY

Pathomorphological changes in white mice treated with tetracycline in different combinations. D.Stoianov, G.Sheikova. Antibiotiki 8 no.8:737-740 Ag '63.

TETRALOGY OF FALLOT

Causes of unsuccessful surgery and results of thoracotomy in tetralogy of Fallot. N.K.Galankin, G.T.Maliavin. Eksper.khir.i anest. 8 no.4:37-41 Jl-Ag '63.

TETRANYCHIDAE **see subdivision under [illegible]**

TETRAZOLIUM COMPOUNDS

Rapid laboratory diagnosis of colienter[illegible] TTC bouillon. D.B.Rozenfel'd and [illegible] no.4:234-236 '64.

TEXAS—BUTYL ALCOHOL

New plant for the production of butyl al[illegible] Houston branch of the Shell Chemical [illegible] Neftepер.i neftekhim. no.3:41-42 '64.

TEXTILE FABRICS—PERMEABILITY

Basis of the formula of the air permea[illegible] G.B.Saidenov. Izv.vys.ucheb.zav.; [illegible] no.1:9-15 '64.

TEXTILE FABRICS—STANDARDS

Determining the thickness of fabrics. [illegible] Danilova, M.A.Shugina. Standartizatsiia [illegible] 40-52 Mr '64.

TEXTILE FABRICS—TESTING

Studying the relation between the comp[illegible] deformation, crease-resistance and [illegible] rics. G.E.Prozorova. Izv.vys.ucheb.zav.; [illegible] tekst.prom. no.1:26-31 '64.

TEXTILE FIBERS—DRYING

Studying the relative rate of drying of large [illegible] bast fiber materials. N.D.Khomutskii. [illegible] zav.; tekh.tekst.prom. no.1:33-38 '64.

TEXTILE FIBERS—TESTING

Effect of chlorine bleaching on the washa[illegible] and lignin of vegetable fibers. V.M.[illegible] Kharkharov. Izv.vys.ucheb.zav.; tekh.tekst.[illegible] no.1:97-102 '64.

TEXTILE FIBERS, SYNTHETIC

Analysis and prospects of the developmen[illegible] tic fiber industry. A.L.Borisov, E.K.[illegible] volok. no.2:1-7 '64.

Determining the optimum technological para[illegible] manufacture of slightly stretching bulk yar[illegible] amide and polyester fibers. V.A.[illegible] kina. Izv.vys.ucheb.zav.; tekh.tekst.pr[illegible] 50 '64.

Physical bases of the formation process of [illegible] fibers. Z.Ziabitskii. Khim.volok. [illegible]

Processing of lavsan polyester fibers in a [illegible] spun viscose. IU.F.Morin. Leh.prom. [illegible] O-D '63.

Review of a handbook on man-made and synthetic fibers in foreign countries. K.N.Maslennikov. [illegible] no.2:80 '64.

Studying the kinetics of the formation of the [illegible] polyvinyl alcohol fibers. A.V.Bustylov and others. Khim.volok. no.2:24-27 '64.

Synthesis of modified polyvinyl alcohol fibers [illegible] ion exchange properties. L.M.Sergeeva, [illegible] Rogovin. Khim.volok. no.2:27-30 '64.

Use of reinforced viscose and nylon staple fibers [illegible] mixture with cotton for the manufacture of [illegible] yarns for knit goods. P.M.Kontakov, [illegible] Izv.vys.ucheb.zav.; tekh.tekst.prom. [illegible]

Wet method for the formation of polyvinyl alcohol fibers. K.E.Perepelkin, O.I.Nachinkin. Khim.volok. [illegible] 19-24 '64.

TEXTILE FIBERS, SYNTHETIC—ABSTRACTS

Abstracts. Khim.volok. no.2:77-79 '64.

TEXTILE FIBERS, SYNTHETIC—TESTING

Nosov, M.P. [Dynamic fatigue of polymer threads] Dinamicheskaia ustalost' polimernykh nitei. Kiev, Gostekhizdat USSR, 1963. 105 p.

Study of the fine molecular structure of cellulose [illegible] fibers by the determination of shear modulus [with summary in English]. N.V.Mikhailov and others. Vysokom.soed. 6 no.3:527-533 Mr '64.

Studying the stresses occurring during the heating of fibers made from polyvinyl alcohol. M.I.[illegible] A.P.Rudakov. Khim.volok. no.2:30-34 '64.

TEXTILE INDUSTRY

(see also subdivision under Bryansk; Chimkent; Novosibirsk)

Kashin, V.A. [Safety measures in shop conveying in textile factories] Tekhnika bezopasnosti tsekhovogo transporta tekstil'nykh predpriiatii. Moskva, Izd-vo "Legkaia industriia," 1964. 210 p.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Manufacture of dress and suit fabrics of mixtures of lavsan with cotton and viscose fibers] Proizvodstvo plat'evykh i kostiumnykh tkanei iz smesei lavsana s khlopkom i viskoznym voloknom. Moskva, 1963. 31 p.

[MICROFILM]

Organization of the sale of textiles; recommendations of the Administration of Trade Organization and Prices [illegible] Exchange. Sov.torg. 37 no.3:52-58 Mr '64.

TEXTILE INDUSTRY—SAFETY MEASURES

Ivanovo. Vsesoiuznyi nauchno-issledovatel'skii institut okhrany truda VTsSPS. [Improvement of safety equipment, dust removing ventilation, and waste removal from Ch-460-L combing machines] Usovershenstvovanie sredstv tekhniki bezopasnosti, obespylivaiushchaia ventiliatsiia i udalenie ugarov na chesal'nykh mashinakh Ch-460-L. Ivanovo, 1963. 39 p. (V pomoshch' inzhenerno-tekhnicheskomu personalu i profsoiuznomu aktivu po okhrane truda na tekstil'nykh predpriiatiiakh)
[MICROFILM]

TEXTILE MACHINERY

Economic efficiency of the modernization of the textile industry equipment. P.M. Zahlubots'kyi. Leh.prom. no.4:74-75 O-D '63.

Rozenson, I.S. [Roving frames] Rovnichnye mashiny. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 54 p. (Bibliotechka molodogo priadil'shchika)
[MICROFILM]

TEXTILE WORKERS—EDUCATION AND TRAINING
(see also subdivision under Kazan)

Workshop as a basis for training. D. Khaikin. Prof.-tekh. obr. 21 no.4:13-14 Ap '64.

TEXTOLITE

Textolite based on melamine-formaldehyde resins modified by acetone. I.V. Kamenskii, A.S. TSepelov, T.V. IAkushina. Plast. massy no.5:67 '64.

THAILAND—COMMERCE—EUROPE, WESTERN

"Struggle of the European powers for the Siamese market from 1630 through 1680" by E.O. Berzin. Reviewed by N.V. Rebrikova. Nar. Az. i Afr. no.3: 182-184 '64.

THALLIUM
(see also subdivision under Transbaikalia)

Specific effect of impurities on the temperature of a superconducting junction in thallium [with summary in English]. B.G. Lazarev and others. Zhur. eksp. i teor. fiz. 46 no.3:829-830 Mr '64.

THALLIUM—ANALYSIS

Determination of thallium in metallic zinc and cadmium with rhodamine 6G. V.M. Vladimirova, N.K. Davidovich. Metod. anal. khim. reak. i prepar. no.4:116-119 '62.

Determination of thallium in sodium iodide with rhodamine C. E.A. Bozhevol'nov. Metod. anal. khim. reak. i prepar. no.4:113-116 '62.

THEATER
(see also subdivision under Armenia; Buryat A.S.S.R.; Estonia; Geneva; Kazakhstan; Komsomolsk-on-Amur; Latvia; Moscow; Moscow Province; Poland; Sevastopol; Ukraine; White Russia; Yaroslavl)

Common forces. B. Romanyts'kyi. Mystetstvo 10 no.5:4-5 S-O '63.

The differences between motion pictures and the theater. V. Egorov. Isk. kino 34 no.2:73-76 '64.

THEATERS—STAGE SETTING AND SCENERY

Bobyshov, M.P. [Theater skeches; album of reproductions] Teatral'nye eskizy; al'bom reproduktsii. Leningrad, Khudozhnik RSFSR, 1961. 15 p. 18 plates (in portfolio)
(IzU)

THEODOLITES

Fishman, Sh.I. [Optical theodolites; textbook] Opticheskie teodolity; uchebnoe posobie. Pod red. IU.A. Gordeeva. Leningrad, Leningr. in-t inzhenerov zhel-dor. transp. im. V.N. Obraztsova, 1963. 11 p.
[MICROFILM]

Preparing anaglyphic pictures of phototheodolite prints. V.T. Kondratenko. Transp. stroi. 13 no.11:59-60 N '63.

Studying the OTSh scaled optical theodolite. V.M. Golubkin, N.I. Sokolova, V.A. Vinogradova. Dokl. TSKHA no.87:169-175 '63.

THEORETICAL CHEMISTRY see Chemistry, Physical and theoretical

THEORY OF GROUPS see Groups, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS

Shubat and its products. I.U. Urazakov. Zdrav. Kazakh. 23 no.4:70-71 '63.

Treatment of cerebral spastic paralysis; review of foreign literature. E.P. Mezhenina. Ortop., travm. i protez. 24 no.10:76-80 O '63.

Treatment of paronychia. V.G. Kuznetsov. Zdrav. Kazakh. 23 no.4:14-15 '63.

THERAPEUTICS, PHYSIOLOGICAL

Sukharev, V.I. [Physiotherapy and health resort treatment of skin diseases; including X-ray and radiotherapy] Fizioterapiia i kurortoterapiia kozhnykh boleznei; vkliuchaia rentgeno- i radioterapiiu. 3. isp. i dop. izd. Moskva, Medgiz, 1964. 262 p.

THERMAL ANALYSIS

Thermochemical study of the system $UO_2(NO_3)_2$ - H_2O - tributyl phosphate. A.V. Nikolaev, IU.A. Afanas'ev. Dokl. AN SSSR 155 no.2:374-375 Mr '64.

Thermographic study of the low-temperature crystallization of natural rubber. B.IA. Teitel'baum, N.P. Anoshina. Dokl. AN SSSR 156 no.1:145-148 My '64.

THERMAL STRESSES

Effect of the composition of molding sand mixtures on the probability of the formation of shrinkage cavities. N.T. Isakhanian, A.I. Tokarev, P.A. Goncharov. Izv. vys. ucheb. zav.; chern. met. 7 no.5:147-153 '64.

Stresses in a long rectangular prism. IU.A. Samoilovich. Inzh.-fiz. zhur. 7 no.3:86-91 Mr '64.

THERMAL WATERS see subdivision under Ural Mountain region

THERMIONIC EMISSION

Thermionic ion sources for mass spectrometry. M.G. Pevzner. Trudy inst. Kom. stand., mer i izm. prib. no.69:120-127 '63.

THERMISTORS

Semiconductor thermistors based on silicon carbide and boron carbide. D.A. IAs'kov. Izv. LETI no.43:112-124 '60.

THERMOCHEMISTRY

Kinetics of the thermal decomposition of N,N-dimethylnitroamine. B.L. Korsunskii, F.I. Dubovitskii. Dokl. AN SSSR 155 no.2:402-405 Mr '64.

Rate of thermal decomposition of unsaturated organosilicon peroxides. A.K. Litkovets, T.I. IUrzhenko. Dokl. AN SSSR 154 no.3:679-682 Ja '64.

Relation between thermal effects of inorganic reactions taking place at the same temperatures. V.A. Kireev, V.B. Gorbushina. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.1:29-33 '64.

Thermal decomposition of aluminum alkyls. E.I. Larikov and others. Khim. prom. no.3:171-174 Mr '64.

THERMOCOUPLES

Effect of the heat conduction of thermocouple leads on the accuracy of the cryoscopic analysis of small weighed portions [with summary in English]. N.I. Liashkevich. Zhur. fiz. khim. 37 no.3:702-704 Mr '63.

New type of immersion thermocouples. G.K. Arutiunov, M.S. Bakaliar. Stal' 23 no.3:225 Mr '64.

Possibility for an extension of the pressure range measurement by the LT-2 thermocouple lamp. I.V. Milov, V.V. Okinshevich, D.M. Skorov. Zav. lab. 30 no.5: 633 '64.

Thermocouple for measuring high temperatures in vacuum and helium. G.E. Pletenetskii. Zav. lab. 30 no.5:625-626 '64.

Thermoelectric stability of thermocouples from certain tungsten-rhenium alloys at high temperatures. V.I. Lakh, B.I. Stadnyk, IU.B. Kuz'ma. Teplofiz. vys. temp. 1 no.2:299-305 S-O '63.

Using thermocouple sheaths of zirconium diboride for the continuous measurement of the temperature of liquid metal in oxygen-blown converters. G.V. Samsonov, IU.S. Reshetniak, K.R. Vlasov. Stal' 23 no.3:216-218 Mr '64.

Using water-cooled thermocouples for a continuous control of Bessemer smelting by the temperature of metal. V.S. Kocho, I.G. Fedorets, A.S. Kovalev. Mashinostroenie no.2:50-52 Mr-Ap '64.

THERMODYNAMICS

Analysis of chemical reactions taking place during steel siliconizing based on the thermodynamic data. V.K. Titov. Zhur. prikl. khim. 37 no.4:768-773 Ap '64.

Application of classical representations to a new system of validation of the second law of thermodynamics. IA.Z. Kazavchinskii. Inzh.-fiz. zhur. 7 no.3:128-133 Mr '64.

Calculating the fluid and wall temperatures during flow in tubes with allowance for axial heat conduction. L.G. Genin. Teplofiz. vys. temp. 1 no.2:247-253 S-O '63.

Entropy and isobaric potential of the lattice of compounds with multiatomic anions. V.P. Vasil'ev, V.N. Vasil'eva. Zhur. fiz. khim. 36 no.11:2517-2520 N '62.

Equilibrium and structure of thermodynamic surfaces. M.P. Mokhnatkin. Zhur. fiz. khim. 37 no.3:646-647 Mr '63.

Graphs for determining the time-dependent temperature field in finite rods or plates with internal heat sources. A. Kessler. Inzh.-fiz. zhur. 7 no.3:134-136 Mr '64.

Irreversible processes in polarography. Chromium nitrate. A.V. Pamfilov, A.I. Lopushanskaia, A.M. Balter. Zhur. fiz. khim. 36 no.11:2481-2486 N '62.

Nature of solvation. Part 2. N.E. Khomutov. Zhur. fiz. khim. 36 no.11:2477-2478 N '62.

Nernst heat theorem and the second law of thermodynamics [with summary in English]. V.N. Masiukov. Zhur. fiz. khim. 36 no.11:2428-2431 N '62.

Nonlinear problem of the heat transfer between a plane-parallel wall and a temperature-dependent source. L.M. Galonen. Inzh.-fiz. zhur. 7 no.3:124-127 Mr '64.

Review of A.I. Veinik's book "Thermodynamics." A.I. Andriushchenko, G.M. Poliakov. Izv. vys. ucheb. zav.; energ. 7 no.4:111-114 Ap '64.

Second-order phase transition in a Bose fluid [with summary in English]. A.Z. Patashinskii, V.L. Pokrovskii. Zhur. eksp. i teor. fiz. 46 no.3:994-1016 Mr '64.

Stationary theory of a thermal explosion. S.I. Anisimov, E.F. Nogotov. Teplofiz. vys. temp. 1 no.2:276-280 S-O '63.

Statistical calculation of the total energy and entropy of benzene adsorbed on graphite [with summary in English]. A.V. Kiselev, D.P. Poshkus. Zhur. fiz. khim. 37 no.3: 608-614 Mr '63.

Study of the thermodynamic stability of binary liquid systems by the dielectric method. K.V. Arkhangel'skii, V.K. Semenchenko. Zhur. fiz. khim. 36 no.11:2501-2506 N '63.

Temperature of a gas flow in a thin-walled perforated tube of constant cross section. D.A. Kurtener. Inzh.-fiz. zhur. 7 no.3:54-56 Mr '64.

Theoretical calculation of the heat transfer and frictional resistance in the laminar flow in tubes of an incompressible fluid with variable physical properties. B.S. Petukhov, V.N. Popov. Teplofiz. vys. temp. 1 no.2: 228-237 S-O '63.

Thermal screen in a turbulent boundary layer of gas. S.S. Kutateladze, A.I. Leont'ev. Teplofiz. vys. temp. 1 no.2:281-290 S-O '63.

"Thermodynamic properties of individual substances." Reviewed by IA.I. Gerasimov. Vest. AN SSSR 34 no.1: 128-129 Ja '64.

Thermodynamics of chemical reactions of the same type chemical reactions. V.A. Kireev. Zhur. fiz. khim. 36 no.11:2547-2550 N '62.

Thermodynamics of the separation of binary and multicomponent systems. E.IA. Susanov. Trudy KF VNII no.8:5-43 '62.

Use of the method of the regular regime in studying heat transfer in a fluidized bed. IU.N. Shimanskii, N.I. Syromiatnikov. Inzh.-fiz. zhur. 7 no.3:121-123 Mr '64.

Verete, A.G. [Marine power plants; collection of lectures] Sudovye silovye ustanovki; sbornik lektsii. Moskva, Izd-vo "Morskoi transport."
No.1. [Principles of heat engineering] Osnovy teplotekhniki. 1963. 64 p. (Lektsii dlia zaochnikov)

THERMOELECTRIC APPARATUS AND APPLIANCES

Using a thermoelectric silicometer in the making of transformer steel. IU.P. Galitskii and others. Stal' 23 no.3:231-232 Mr '64.

THERMOMAGNETISM

Apparatus for the simultaneous measurement of galvanomagnetic and thermomagnetic effects. K.T. Basova. Met. i metalloved. chist. met. no.4:209-213 '63.

Characteristic thermomagnetic phenomena in ferromagnetic metals [with summary in English]. L.E. Gurevich, G.M. Nedlin. Zhur. eksp. i teor. fiz. 46 no.3:1056-1065 Mr '64.

Hydrothermomagnetic waves in a weakly inhomogeneous plasma [with summary in English]. L.E. Gurevich, B.L. Gel'mont. Zhur. eksp. i teor. fiz. 46 no.3:884-901 Mr '64.

Thermomagnetic effects in GaSb. K.T. Basova. Met. i metalloved. chist. met. no.4:214-227 '63.

THERMOMETERS

Developing an automatic device for the determination of the pour point temperature of oils. Nefteper. i neftekhim. no.4:41-44 '64.

Using radioactive rays in measuring equipment. V.F. Bol'shakov. Inform. sbor. TSNIIMF no.87. Tekh. ekspl. mor. flota no.20:107-109 '62.

THERMOMETRY
(see also subdivision under Oazis Station, Antarctica)

Marine multiple spot equipment for measuring and signaling temperatures (AIST) with the use of semiconductor thermistors. E.A. Kaliazin, G.P. Turapin. Inform. sbor. TSNIIMF no.87. Tekh. ekspl. mor. flota no.20:102-106 '62.

Skuratov, S.M., V.P. Kolesov, and A.F. Vorob'ev. [Thermochemistry] Termokhimiia. [Moskva] Izd-vo Mosk. univ.
Pt.1. [General data on thermometry and calorimetry] Obshchie svedeniia o termometrii i kalorimetrii. 1964. 301 p.

Temperature measurement on the surface of the dryer rolls of papermaking machinery. M.L. Goldovskii and others. Bum. prom. no.1. 20-21 Ja '64.

Thermoindicator paints and pencils. N.S. Rassudova, N.N. Khlestova. Lakokras. mat. i ikh prim. no.1:44-47 '64.

Thermometric analysis in the determination of the composition of binary gaseous mixtures. B.A. Mirtov, A.G. Starkova. Zav. lab. 30 no.5:575-577 '64.

Using triode temperature-sensitive pickups for measuring temperatures. L.S. Gorelik, I.B. Fogel'son. Priborostroenie no.4:29-30 Ap '64.

THERMONUCLEAR REACTIONS

Taming thermonuclear reaction. N.Vasil'ev. Sov.voin 44 no.22:22 N '62.

THERMOPLASTICS

Photoinitiated graft copolymers of cellulose [with summary in English]. R.M.Livshits and others. Vysokom. soed. 6 no.2:172 Mr '64.

THERMOPLASTICS—MOLDING

Automatic control of the die casting of thermoplastics. N.P.Vitgof. Mekh.i avtom.proizv. 18 no.5:21-25 My '64.

THERMOSTAT

Thermostatic devices for X-ray cameras. V.T.TSygan and others. Zav.lab. 30 no.5:630 '64.

THIAMINE

Effect of saccharose on the vitamin B_1 requirement in animals [with summary in English]. Z.Zh.Gude. Vop. pit. 21 no.6:49-52 N-D '62.

Effect of prolonged administration of streptomycin and phthivazide on the thiamine content of rabbit tissue and its excretion in the urine [with summary in English]. V.S.Palachov. Ukr.biokhim.zhur. 35 no.1:63-71 '63.

Effect of 2, 4-dinitrophenol on the introduction of thiamine in the rabbit liver and its conversion [with summary in English]. A.O.Rybina. Ukr.biokhim.zhur. 34 no.1:47-55 '62.

Thiamine content in the organism of patients with cancer of the larynx in relation to the spreading of the process and method of treatment [with summary in English]. A.M.Starosatenko. Zhur.ush.,nos.i gorl.bol. 23 no.6: 13-17 N-D '63.

Vitamin B_1 (thiamine) content of tissues in burn shock. V.G.Borisov. Eksper.khir.i anest. 8 no.4:14-15 Jl-Ag '63.

THIAMINE—TOXICOLOGY

Activity of tissue transaminases in convulsions produced by thiamine [with summary in English]. IU.M. Ostrovskii, N.S.Nepochelovich. Ukr.biokhim.zhur. 35 no.5:729-731 '63.

THIAMINE, EFFECT OF RADIATION ON

Effect of roentgen irradiation on phosphorylation of thiamine [with summary in English]. I.V.Savitskii, A.IA.Rozanov, L.E.Pozdniakova. Vop.med.khim. 8 no.6:592-598 N-D '62.

THICKNESS MEASUREMENT

Engineering method of calculating changes in wall thickness during tube drawing without mandrels. IU.F. Shevakin, A.A.Cherniavskii, A.B.Lamin. Izv.vys. ucheb.zav.; chern.met. 7 no.5:104-109 '64.

THIOCYANATES

Anomalous curves of cobalt polarograms with thiocyanides as the support. G.N.Babkin. Izv.vys.ucheb. zav.; khim.i khim.tekh. 7 no.1:90-94 '64.

Electron paramagnetic resonance in thiocyanate complexes of Mo (V) and W (V). N.S.Garif'ianov, B.M.Kozyrev, V.N.Fedotov. Dokl.AN SSSR 156 no.3:641-643 '64.

Infrared absorption spectra of thorium (IV) complexes with thiocyanate groups. IU.IA.Kharitonov, A.K. Molodkin, A.V.Babaeva. Izv.AN SSSR.Ser.khim. no.4:618-622 Ap '64.

THIOINDIGO

Methods of investigating the acid-base characteristics of vat acids of indigo and thioindigo. V.G.Abozin, V.V. Karpov. Zhur.prikl.khim. 37 no.4:880-885 Ap '64.

THIOLS

Ion exchanging compositions containing thiol groups. N.M.Evstratova, and others. Nauch.trudy MTILP no.28:35-37 '62.

Photochemical oxidation of mercaptans. G.G.Chirakadze, E.M.Nanobashvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:69-73 '63.

THIOPHENE

Obtaining sulfolene. I.S.Vol'fson, E.S.Aramian, A.V. Dubov. Nefteper.i neftekhim. no.4:35-37 '64.

THISTLE

Control of wild oats and sowthistle. G.A.Aniskin. Zemledelie 26 no.4:25-30 Ap '64.

THIURAM DISULFIDE—SPECTRA

Electron paramagnetic resonance spectra of tetramethylthiuram disulfide and its copper complex. [with summary in English]. L.S.Degtiarev, L.N.Ganiuk. Vysokom. soed. 6 no.1:28-30 Ja '64.

THIXOTROPY

Rheology of polymers. Theory of thixotropy. A.I. Leonov, G.V.Vinogradov. Dokl.AN SSSR 155 no.2: 406-409 Mr '64.

THORACIC DUCT—WOUNDS AND INJURIES

Intravital staining of the lymphatic system for detection of the thoracic duct in its injury. V.L.Manevich, T.V. Stepanova. Khirurgiia no.1:72-77 '63.

THORIUM

Some remarks concerning the interpretation of gamma-logging diagrams in the study of complex uranium-thorium ores. G.F.Novikov. Zap.LGI 45 no.2:45-51 '63.

Sorption of uranium and thorium from ammonium thiocyanate solutions by anion exchanger EDE-10P. I.A. Kuzin, V.P.Taushkanov. Zhur.prikl.khim. 37 no.4: 764-768 Ap '64.

THORIUM—ANALYSIS

Photometric determination of thorium in natural materials with the use of arsenazo III [with summary in English]. E.V.Furtova and others. Zhur.anal. khim. 19 no.1:94-96 '64.

THORIUM COMPOUNDS

High-frequency titration. Report No.7: Carbonate compounds of thorium [with summary in English]. D.I. Riabchikov and others. Zhur.anal.khim. 18 no.3: 346-356 Mr '63.

THORIUM COMPOUNDS—ABSORPTION SPECTRA

Infrared absorption spectra of thorium (IV) complexes with thiocyanate groups. IU.IA.Kharitonov, A.K. Molodkin, A.V.Babaeva. Izv.AN SSSR.Ser.khim. no.4:618-622 Ap '64.

THORIUM ISOTOPES—SPECTRA

Hyperfine structure of the atomic spectrum and nuclear moments in the thorium-229 isotope. V.N.Egorov. Opt.i spektr. 16 no.4:549-554 Ap '64.

THOUGHT AND THINKING

The Leninist theory of reflection and cybernetics. M.N. Andriushchenko. Izv.LETI no.40:140-153 '60.

Thinking. A.O.Leont'ev. Vop.filos. 18 no.4:85-95 '64.

THREAD—TESTING

Breakage of sewing threads of various materials and structure on the 22-A Class PMZ sewing machine. I.V.Safronova. Nauch.-issl.trudy TSNIIShveiproma no.10:84-91 '62.

THRESHING MACHINES

Automatic control of the load of the threshing mechanism of a combine. I.M.Hurarii. Mekh.sil'.hosp. 13 no.10:30-31 O '62.

Basis for determining the parameters of the working parts of a vibration thresher. A.N.Gudkov, R.P.Zadneprovskii. Mekh.i elek.sots.sel'khoz. 22 no.1:21-24 '64.

Motion-picture photography of the motion of bulk grain entering a threshing machine [with summaries in English, German, and French]. V.A.Sakun. Vest.sel'khoz. nauki 8 no.12:120-130 D '63.

THRIPS see subdivision under **Vladimir-Volynskiy District**

THROMBOEMBOLISM

Thromboembolism. A.A.Izvorian. Zdravookhranenie 7 no.1:41-43 Ja-F '64.

THROMBOSIS

Bioelectric activity of the brain in thrombosis of the internal carotid artery in the cervical region [with summary in English]. S.E.Ginzburg. Vop.neirokhir. 27 no.5:22-29 S-O '63.

Blood coagulogram and its significance for the diagnosis of thromboembolic states. N.I.Bgantsev, V.V.Novosel'skaia. Khirurgiia no.1:101-105 '63.

Examination of blood coagulation in mitral stenosis patients before, during and after surgery. E.P.Kyo. Khirurgiia no.1:27-34 '63.

Laboratory diagnosis of thromboembolic complications. V.P.Baluda. Lab.delo 8 no.7:19-21 Jl '62.

Obstruction of the superior vena cava as a complication of Paget-Schroetter syndrome. E.P.Dumpe. Khirurgiia no.1:123-125 '63.

Postpartum thromboembolism of the mesenteric vessels. L.L.Libenzon, T.A.Mikhailova. Vop.okh.mat.i det. 7 no.6:79-83 Je '62.

Vessels of the sinocarotid reflexogenic zone and their changes in atherosclerosis and hypertension; pathogenesis of "internal carotid artery thrombosis in the neck." A.V.Ryvkind. Zhur.nevr.i psikh. 64 no.2: 172-179 '64.

THURINGITE see subdivision under **Ukraine**

THYMIDINE

Methodology of determining thymidine in rat urine with paper chromatography and the Diche reaction. I.A. Zharkov. Lab.delo no.5:296-300 '64.

THYMINE

Change in the amino acid composition of total protein in Bacillus subtilis T⁻ grown on a medium with 5-bromouracyl, an analogue of thymine. A.S.Antonov, N.Liutskanov, A.N.Belozerskii. Dokl.AN SSSR 155 no.4: 944-946 Ap '64.

THYMUS GLAND

Effect of gonadotropin on the state and synthesis of DNA and on the intensity of cell division in the thymus of sexually immature rats. A.A.Beketova, A.M.Kuzin. Dokl.AN SSSR 155 no.4:978-980 Ap '64.

THYROID GLAND
(see also subdivision under **Tatar A.S.S.R.**)

Effect of cholesterine on the structure and function of the thyroid gland. M.E.Aspiz. Dokl.AN SSSR 155 no.5: 1230-1232 Ap '64.

Effect of the thyroid gland on digestive processes in the duodenum of sheep. R.M.Trofimova. Trudy Inst. fiziol.AN Kazakh.SSR 5:46-52 '63.

Effect of the thyroid gland on the secretion and enzymatic activity of bile and pancreatic juice in sheep. R.M. Trofimova. Trudy Inst.fiziol.AN Kazakh.SSR 5:[illegible] '63.

New method of determining iodine in the thyroid gland of human fetuses in different periods of their embryonic development. A.M.Rasulov. Nauch.trudy SamMI 21:86-104 '62.

THYROID GLAND—BLOOD SUPPLY

Arterial blood supply of the thyroid gland during the intrauterine period of human development. S.H.Khatmukhamedova. Nauch.trudy SamMI 21:66-73 '62.

THYROID GLAND—SURGERY

Asphyxia and its prevention in strumectomy. I.F. Cheremukhin, M.E.Rusonik, E.M.Palagin. Kaz.med. zhur. no.6:13-14 N-D '62.

Experience in surgery of the thyroid gland. Z.S.Al'fimova. Kaz.med.zhur. no.6:7-9 N-D '62.

Immediate complications following an operation in connection with toxic goiter. A.S.Ilemon. Kaz.med.zhur. no.6:9-12 N-D '62.

Remote clinicoballistocardiographic observations on patients with thyrotoxicosis after surgical and conservative treatment. E.N.Dormidontov. Kaz.med.zhur. no.6:16-17 N-D '62.

Surgical treatment of goiter. I.I.Neimark. Kaz.med. zhur. no.6:3-7 N-D '62.

Surgical treatment of recurrent goiter. L.N.Kamardin. Kaz.med.zhur. no.6:14-16 N-D '62.

THYROID GLAND—TRANSPLANTATION

Model for transplanting the thyroid gland on an arterial and venous stem. V.G.Terinev. Eksper.khir.i anest. 8 no.4:46-49 Jl-Ag '63.

THYROID HORMONES

Effect of thyroid gland hormones on the correlation of separate protein fractions in the blood serum and liver [with summary in English]. S.A.IUsupova. Vop.med.khim. 8 no.6:586-592 N-D '62.

TIBIA—DISEASES

Improved method of myoplasty in the treatment of pseudarthrosis of the tibia. T.A.Revenko. Ortop.,travm. protez. 24 no.10:69-71 O '63.

TICKS
(see also subdivision under **Karaganda Province**)

Amount of blood ingested by ixodid ticks (Acarina, Ixodidae) during feeding [with summary in English]. IU.S.Balashov. Zool.zhur. 43 no.3:418-423 '64.

Biology of the tick Dermacentor marginatus Sulz. [illegible] Diusembaev. Paraz.sel'khoz.zhiv.Kazakh. 2:110-111 '63.

Observations on Ornithodorus ticks belonging to the "erraticus group" [with summary in English]. A.N. Skrynnik. Zool.zhur. 43 no.3:424-428 '64.

TICKS—EXTERMINATION

Experiments in the use of acaricidal preparations in controlling ixodid ticks in pastures. I.I.Pokhilov. Trudy Stavr.sel'khoz.inst. no.11:125-130 '62.

TICKS AS CARRIERS OF DISEASE

Experiment in the infection of chicken embryos with tick-borne spirochetosis by feeding infected Ornithodorus ticks on them [with summary in English]. H.A. Bairamova. Zhur.mikrobiol., epid.i immun. 40 no.9:83-84 S '63.

Nabokov, V.A. [Taiga sickness; tick-borne encephalitis] Taezhnaia bolezn'; kleshchevoi entsefalit. Moskva, Izd-vo "Meditsina," 1964. 18 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Variation of the relationships between ticks and the causative agents of natural focus infections. M.S. Davydova, I.N.Gritsenko. Trudy Biol.inst.Sib.otd. AN SSSR no.10:123-129 '63.

TIDAL WAVES

Studying the role of tides in the dynamics of the coastal zone. V.S.Medvedev. Okeanologiia 4 no.2:277-281 '64.

TIEN SHAN—ATMOSPHERIC TEMPERATURE

Horizontal temperature gradients over the western Tien Shan. I.F.Medvedeva. Trudy Sred.-Az.nauch.-issl. gidrometeor.inst. no.8:77-82 '63.

TIEN SHAN—CLOUDS

Some characteristics of air moisture and cloudiness in the central Tien Shan. A.E.Khanadeev. Trudy Sred.-Az. nauch.-issl.gidrometeor.inst. no.8:50-58 '63.

TIEN SHAN—[illegible]

[illegible] 1964. 153 p.

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TIEN SHAN—[illegible]

[illegible]

TILES—[illegible]

[illegible]

TILES—[illegible]

[illegible]

TILES—[illegible]

[illegible]

TILES—[illegible]

[illegible]

TILES—[illegible]

[illegible]

TILES [illegible]—TYPES OF [illegible]

[illegible]

[illegible]—AGRICULTURE—[illegible] AND INSPECTION

[illegible]

TILLS

(see also subdivision under [illegible])

[illegible]

TILLAGE

(see also subdivision under [illegible], [illegible], Ural Mountain region)

[illegible]

[illegible]

TILLAGE—EQUIPMENT AND SUPPLIES

(see also subdivision under Harrow)

[illegible]

[illegible] effect of vibration on the [illegible] [illegible]

[illegible]

[illegible] for tilling the [illegible] around the [illegible] (with summary in English). [illegible]

TILLAGE—RESEARCH

Moscow. Vsesoiuznyi [illegible] [illegible] [Physical and mechanical properties of soils and plants, collection of works of the All-Union Scientific Research Institute of Agricultural Machinery] [illegible] Moskva, 1963. 140 p. [illegible]

TIMBER

[illegible]

TIME STUDY

[illegible]

TIME SERIES

(see also subdivision under [illegible])

[illegible]

TIMING, [illegible]

[illegible]

[illegible], 1874-1952

[illegible]

TIN

[illegible]

TIN—METALLURGY

[illegible], and others. [Metallurgy of tin] [illegible] Moskva, Metallurgizdat, 1964. [illegible]

TIN ALLOYS

[illegible]

TIN ORGANIC COMPOUNDS—DIPOLE MOMENTS

[illegible]

[illegible]—PEPTIC ULCER

[illegible]

TIRE [illegible]

[illegible]

TIRES, RUBBER

(see also subdivision under Dnepropetrovsk, Yaroslavl)

[illegible]

TIRES, RUBBER—MAINTENANCE AND REPAIR

[illegible]

TIRES, RUBBER—QUALITY CONTROL

[illegible] of the [illegible] of the quality of tire [illegible] [illegible]

TIRES, RUBBER—TESTING

[illegible] for measuring the deformations of a [illegible] tire. [illegible] and others. [illegible]

TISSUE CULTURE

Determination of the toxigenicity of diphtheria bacteria in tissue culture. [illegible] Lab.delo [illegible]

Electron microscopy of the fibroblast surface in human embryonal tissue culture. A.N.Mosolov. Tsitologiia 5 no.3:330-332 My-Je '63.

Interaction between the [illegible] pathogen and tissue culture (with summary in English). [illegible] Zhur.mikrobiol., epid.i immun. 40 no.[illegible]

Methodology of cultivating in vitro [illegible] [illegible] Lab.delo [illegible]

Microscope with low position of the objective for work with tissue cultures. [illegible] Lab.delo [illegible]

Nature of the growth of [illegible] tissues under the [illegible] of explantation. [illegible] Dokl.AN SSSR [illegible]

Phagocytic capacity in cellular elements of macrophage cultures in vitro. Report No.2 (with summary in English). [illegible], T.N.Mastova. Zhur.mikrobiol., epid.i immun. 40 no.4:62-66 Ap '63.

Results of the cultivation of the [illegible] strain. [illegible] Vop.med.virus. [illegible]

Simplification of the methodology for cultivation of [illegible] [illegible] Lab.delo [illegible]

Some problems of cultivation in vitro in connection with the development of the genetics of the somatic cells of animals and man. A.F.[illegible] Usp.sovr.biol. 56 no.2:[illegible] '63.

Synthesis of amino acids in pigeon liver homogenates (with summary in English). [illegible] Vop.med.khim. [illegible]

TISSUE EXTRACTS

Use of the tissue preparation [illegible] in the following [illegible] Trudy [illegible]

TISSUE EXTRACTS—PHYSIOLOGICAL EFFECT

[illegible]

Tissue extracts in stimulating growth in swine. [illegible] Vestsi AN BSSR.Ser.sel'khoz. navuk. no.[illegible] '64.

TISSUES

[illegible] of biological fluids and tissues. [illegible] Lab.delo [illegible]

[illegible] of animal tissues. [illegible] Usp.sovr.biol. [illegible]

[illegible] [illegible] Usp.sovr.biol. [illegible]

TISSUES—PRESERVATION

Effect of tissue preservation on their immunological properties. [illegible] Eksper.khir.i anest. [illegible]

TITANIUM—ANALYSIS

[illegible] of titanium [illegible] (with summary in English). [illegible] Zhur.anal.khim. [illegible]

[illegible]

[illegible] as analytical reagents. Report No.1. [illegible] study of the reactions of titanium with [illegible] acid (with summary in English). [illegible] Zhur. anal.khim. [illegible]

Photometric determination of titanium in [illegible] [illegible] (with summary in English). [illegible] Zhur.anal.khim. [illegible]

TITANIUM—CORROSION

Corrosion resistance of titanium in [illegible]. [illegible], M.T.[illegible] Met.i [illegible] [illegible] '63.

TITANIUM—WELDING

Welding [illegible] with titanium. [illegible] Svar.proizv. [illegible]

TITANIUM ALLOYS

Electrodeposition of [illegible] coating on titanium and its alloys. [illegible] Zhur. prikl.khim. [illegible] Ap '64.

Reversible martensite transformations of a special kind in titanium and alloys (with summary in English). [illegible] Dop. AN URSR [illegible]

TITANIUM ALLOYS—HEAT TREATMENT

Effect of heat treatment on the corrosion resistance of the VT[illegible] titanium alloy. [illegible] Izv.vys.ucheb.zav.; [illegible] '64.

TITANIUM ALLOYS—TESTING

Surface tension of a titanium alloy with tin, aluminum, and iron. V.P.Eliutin, M.A.Maurakh, V.S.Pugin. Izv.vys.ucheb.zav.; chern.met. 7 no.5:117-121 '64.

TITANIUM ALLOYS—WELDING

Cracks in the welded joints of titanium alloy structures. E.G.Antonov. Svar.proizv. no.11:25-27 N '63.

TITANIUM-BISMUTH-STRONTIUM ALLOYS see Strontium-titanium-bismuth alloys

TITANIUM CARBIDE

Protection of titanium carbide from oxidation in the air at 1200°. M.V.Sazonova, I.B.Ban'kovskaia. Zhur.prikl.khim. 37 no.4:773-777 Ap '64.

TITANIUM-MOLYBDENUM ALLOYS

Sorption of hydrogen by titanium-zirconium and titanium-molybdenum alloys [with summary in English]. V.V.Grushina, A.M.Rodin. Zhur.fiz.khim. 37 no.3:559-565 Mr '63.

TITANIUM ORES—ANALYSIS

Phase analysis of titanium ores. M.N.Fedorova, K.S.Krivodubskaia. Zav.lab. 30 no.5:515-518 '64.

TITANIUM ORGANIC COMPOUNDS

Synthesis of some titanium phosphorus organic compounds. K.A.Andrianov, I.K.Kuznetsova. Izv.AN SSSR.Ser.khim. no.4:651-656 Ap '64.

TITANIUM OXIDES

Determining calcium and magnesium oxide content of titanium dioxide. V.A.Malevannyi. Khim.volok. no.2:70-71 '64.

Effect of the content and crystallization of TiO_2 on the chemical stability of titanium enamels. V.V.Vargin, B.Z.Pevzner. Zhur.prikl.khim. 37 no.4:749-755 Ap '64.

Some strength characteristics of chemical bonds of Ti_6O, Ti_3O formed from α-solid solutions of the titanium - oxygen system. I.I.Kornilov, V.V.Glazova. Dokl.AN SSSR 154 no.3:638-641 Ja '64.

Use of aluminum compounds in the modification of titanium dioxide obtained by the chloride method. I.M.Fedotova and others. Lakokras.mat.i ikh prim. no.1:28-31 '64.

Using potentiometric titration for the simultaneous determination of the "active" and general H_2SO_4 in solutions obtained in the production of TiO_2. IU.D.Dolmatov. Lakokras.mat.i ikh prim. no.1:62-63 '64.

TITANIUM OXIDES—SPECTRA

X-ray K-spectra of titanium emission in lower oxides ($Ti - TiO_{0.48}$). E.E.Vainshtein, V.I.Chirkov. Dokl.AN SSSR 155 no.2:381-384 Mr '64.

TITANIUM-ZIRCONIUM ALLOYS

Sorption of hydrogen by titanium-zirconium and titanium-molybdenum alloys [with summary in English]. V.V.Grushina, A.M.Rodin. Zhur.fiz.khim. 37 no.3:559-565 Mr '63.

TITANOMAGNETITE see subdivision under Ural Mountains

TITRATION

Complexometric methods in the technological control of leather manufacture. Z.I.Kuznetsova. Nauch.trudy MTILP no.26:109-113 '62.

Control of the washing waters in the manufacture of discoloring activated carbons. V.N.Polovko. Trudy KTIPP no.27:104-108 '63.

Determining the isoelectrical point of egg albumin by high-frequency titration. E.A.Chistiakova, O.D.Kurilenko. Izv.vys.ucheb.zav.; pishch.tekh. no.2:153-155 '64.

Functions important for rapid calculation of titration curves [with summary in English]. A.A.Bugaevskii, N.P.Komar'. Zhur.anal.khim. 19 no.1:8-20 '64.

Indirect titrimetric determination of bromides with complexon III [with summary in English]. S.I.Gusev, I.A.Kozhevnikova. Zhur.anal.khim. 18 no.3:366-370 Mr '63.

Quantitative determination of a morphine base by titration on the background of its luminescence in an acid medium. N.V.Egorov, S.A.Elgazin, F.M.Shemiakin. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:66-69 '64.

Rapid methods for the titrimetric determination of anion exchanger capacity [with summary in English]. N.G.Polianskii, M.A.Shaburov. Zhur.anal.khim. 18 no.3:304-309 Mr '63.

Titration in nonaqueous solvents in pharmaceutical analysis; a review. Ludek Safařík, Josef Blažek. Apt.delo 11 no.5:89-91 S-O '62.

Titrometric methods for determining diketene and crotonaldehyde present together [with summary in English]. N.G.Polianskii. Zhur.anal.khim. 19 no.1:121-124 '64.

Volumetric microdetermination of chlorides in substances of biological origin. S.I.Gusev, E.V.Sokolova. Lab.delo 8 no.7:30-33 Jl '62.

TITRIMETERS

High-frequency titrimeter for the determination of strong and weak acids, bases, phenols, and salts in aqueous and nonaqueous media. G.N.Skrynnikova, N.I.Matveeva, L.L.Smetanin. Trudy VNIIT no.11:289-303 '62.

TKIBULI—COAL

Effect of mineral additions on Tkibuli coal pyrolysis. V.G.Gegele, L.A.Litsinova. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:81-89 '63.

TKIBULI—COAL—CARBONIZATION

Heat balance of the process of continuous coking of Tkibuli coals. P.N.Dzhaparidze, N.Sh.Dzhidzheishvili. Trudy Inst.prikl.khim.i elektrokhim.AN Gruz.SSR 4:91-112 '63.

TKVIBULI see Tkibuli

TOCOPHEROL

Effect of vitamin E on lipoids and blood coagulability in patients with atherosclerosis [with summary in English]. IU.P.Nikitin. Vop.pit. 21 no.6:22-27 N-D '62.

Effect of vitamins C and E on the physiological characteristics and sensitivity of the gerbil Meriones meridianus to plague infection [with summary in English]. N.I.Kalabukhov, G.P.Shirokova, A.I.Shtel'man. Zhur.mikrobiol.,epid.i immun. 40 no.4:102-107 Ap '63.

TOES—ABNORMITIES AND DEFORMITIES

Hallux valgus and K.N.Kochev's operation. A.A.Kokh. Zdrav.Kazakh. 22 no.10:18-22 '62.

TOGO—DESCRIPTION AND TRAVEL

Karanov, S.K. [Nineteen days in Togo] 19 dnei v Togo. Ashkhabad, Turkmenskoe izd-vo, 1963. 77 p.

TOGO—INVESTMENTS, WEST GERMAN

Why the governor of Togo came from Bonn? I.Ol'ginskii. Az.i Afr.seg. 7 no.5:53-54 My '64.

TOGO—PUBLIC HEALTH

Karanov, S.K. [Nineteen days in Togo] 19 dnei v Togo. Ashkhabad, Turkmenskoe izd-vo, 1963. 77 p.

TOLERANCE (ENGINEERING)

Establishing allowances for open dimensions. P.N.Goberman. Standartizatsiia 28 no.3:20-21 Mr '64.

TOLSTOI, DMITRII ALEKSEEVICH, 1923-

D.Tolstoi and his opera "the 41st." M.Bialik. Sov.muz. 27 no.11:35-39 N '63.

TOLUENE

Alkylizing toluene with propylene in the presence of aluminum chloride and polyalkyl toluenes. V.P.Konoplev, A.Z.Dorogochinskii, M.G.Mitrofanov. Trudy GrozNII no.15:271-273 '63.

Explosionproof system for liquid-phase oxidation of toluol by atmospheric oxygen. A.I.Rozlovskii, I.IA.Borisova. Khim.prom. no.3:199-201 Mr '64.

TOLUIDINE

Derivatives of thioglycolic acid: N-(mercaptoacetyl)-p-anisidine and N-(mercaptoaceyl)-p-toluidine as reagents for selenium [with summary in English]. A.I.Busev, Khoang Min'-Hau. Zhur.anal.khim. 18 no.3:360-365 Mr '63.

TOMATO BREEDING

Metaxenia in tomatoes. A.M.Agadzhanian. Izv.AN Arm.SSR.Biol.nauki 17 no.3:35-43 Mr '64.

Possibility of crossing common tomato with wild species using diploid and tetraploid plants [with summaries in English, German, and French]. T.I.Soboleva. Vest.sel'khoz.nauki 8 no.12:95-98 D '63.

TOMATOES

(see also subdivision under Krasnoyarsk Territory)

Changes of tomatoes under the effect of gibberellin [with summaries in English, German, and French]. V.A.Raspevin. Vest.sel'khoz.nauki 8 no.12:131-134 D '63.

Effect of the light factor on the formation of pigments in ripening tomato fruit. E.F.Shabel'skaia, T.N.Godnev. Dokl.AN BSSR 8 no.1:53-56 Ja '64.

Growing healthy tomato and cucumber seedlings. M.Z.Blinchevskii. Zashch.rast.ot vred.i bol. 9 no.4:36-37 '64.

Producing tomato seeds of increased viability (heterotic) by grafting additional roots. I.N.Sagaidak. Agrobiologiia no.5:715-719 S-O '63.

Reaction of tomatoes to the interruption of light and dark periods in various hours of the day [with summary in English]. I.I.Gunar, M.Kaspshik, E.E.Krastina. Izv.TSKHA no.1:89-102 '60.

TOMATOES—DISEASES AND PESTS see subdivision under White Russia

TOMATOES—FERTILIZERS AND MANURES see subdivision under Apsheron Peninsula

TOMATOES—VARIETIES see subdivision under Karabakh Steppe

TOMSK—CITY PLANNING

Planning microdistricts between thoroughfares. V.M.Pivkin, N.L.Pivkina. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.8:133-138 '63.

TOMSK—CONSERVATION OF NATURAL RESOURCES

Tomsk section of the All-Russian Society of Conservatio I.P.Laptev. Okhr.prir.Sib.i Dal'.Vost. no.1:239-24 '62.

TOMSK—CONSERVATION OF NATURAL RESOURCES—STUDY AND TEACHING

Teaching conservation problems at Tomsk University. I.P.Laptev. Okhr.prir.Sib.i Dal'.Vost. no.1:233-235 '62.

TOMSK—ZOOLOGICAL MUSEUMS

Role of the Zoological Museum of the Tomsk University in making propaganda for conservation problems. A.M.Gyngazov. Okhr.prir.Sib.i Dal'.Vost. no.1:183-184 '62.

TOMSK PROVINCE—BLACKFLIES

Effect of meteorological conditions on the invasive activity of blackflies. V.D.Patrusheva. Trudy Biol.inst.Sib.otd.AN SSSR no.10:152-170 '63.

Invasion of blackflies in various biotopes. V.D.Patrusheva. Trudy Biol.inst.Sib.otd.AN SSSR no.10:89-96 '63.

TOMSK PROVINCE—CONSERVATION OF NATURAL RESOURCES

"Nature of Tomsk Province and its protection." Reviewed by G.M.Krivoshchekov. Okhr.prir.Sib.i Dal'.Vost. no.1:252-253 '62.

TOMSK PROVINCE—FOOD

Content of copper in some plant products of Tomsk Province. A.I.Vorob'eva. Vop.pit. 21 no.5:86-87 S-O '62.

TOMSK PROVINCE—PETROLEUM GEOLOGY

Oil and gas fields in Tomsk Province. N.P.Zapivalov, N.G.Rozhok, K.A.Shpil'man. Neftegaz.geol.i geofiz. no.3:8-10 '64.

TOMSK PROVINCE—PLANT LICE

Materials on plant lice in Tomsk Province. O.I.Ivanovskaia-Shubina. Trudy Biol.inst.Sib.otd.AN SSSR no.10:63-71 '63.

TONGUE

Formation of the tongue in Hynobiidae. A.S.Severtsov. Dokl.AN SSSR 154 no.3:731-734 Ja '64.

TONGUE—DISEASES

Clinical aspects and treatment of glossalgia with plasmol. V.A.Petrov. Trudy TSIU 64:56-59 '63.

Melkersson-Rosenthal syndrome. L.G.Lesun. Vest.derm.i ven. 37 no.5:69-70 My '63.

TONSILS

Tellurite test in carriers of diphtheria bacillus following tonsillectomy. N.V.Chernina. Lab.delo no.3:178-181 '64.

TONSILS—DISEASES

(see also subdivision under Kazan)

Effect of "aseptic" (turpentine) inflammation of the palatine tonsils on the bioelectrical activity of the sinus nerve and respiration [with summary in English]. E.A.Bobkova. Zhur.ush.,nos.i gorl.bol. 23 no.6:56-59 N-D '63.

TOOL STEEL—METALLOGRAPHY

Determination of the decarbonized layer in 9KhS tool steel. K.G.Revzina. Stan.i instr. 35 no.3:48 Mr '64.

TOPOLOGY

Analysis of certain fundamental types of complex equilibrium states in three-dimensional space. R.M.Mints. Mat.sbor. 63 no.2:169-214 F '64.

Approximate properties of finite-defect subspaces in a space of continuous functions. A.L.Garkavi. Dokl.AN SSSR 155 no.3:513-516 Mr '64.

Bases of exponential functions in L_2. B.IA.Levin. Uch.zap.KHGU 115:39-48 '61.

Characterization of regular structures by means of exponential topology. K.Kuratowski. Dokl.AN SSSR 155 no.4:751-752 Ap '64.

Foliations of codimension 1 on manifolds. S.P.Novikov. Dokl.AN SSSR 155 no.5:1010-1013 Ap '64.

Functors in the category of locally convex spaces. G.Kh.Berman. Dokl.AN SSSR 154 no.3:497-499 Ja '64.

One-to-one correspondence over a quasi-exact category. M.S.TSalenko. Dokl.AN SSSR 155 no.2:292-294 Mr '64.

Projective mappings of semilattices. L.N.Shevrin. Dokl.AN SSSR 154 no.3:538-541 Ja '64.

Topological groups with bicompact classes of conjugate subgroups. V.I.Ushakov. Mat.sbor. 63 no.2:277-283 F '64.

TOPOLOGY (Continued)

Transformations of Dirichlet integrals and space mappings. I.S. Ovchinnikov, G.D. Suvorov. Dokl. AN SSSR 154 no.3:523-526 Ja '64.

Unified theory covering topological spaces, spaces of proximity, and uniform spaces. D. Dolchinov. Dokl. AN SSSR 156 no.1:21-24 My '64.

TORSION

Calculation of bridges taking into account the torsion of the main beam. IA.S. Fain. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no.8:18-25 '63.

Torsion of a cylindrical shell weakened by a square hole with rounded corners [with summary in English]. A.N. Huz'. Dop. AN URSR no.4:472-476 '64.

TOURISM

Kudinov, D.F. [Organization of tourist work in an enterprise] Organizatsiia turistskoi raboty na predpriiatii. [Moskva] Profizdat, 1964. 79 p. (Bibliotechka profsoiuznogo aktivista, no.6(80))

Naravtsevich, Z.A., and N.M. Khodakov. [For the participant of a tourist trip] Uchastniku turistskogo pokhoda. Moskva, Meditsina, 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

TOXEMIA

Electrophoretic examination of the proteins and lipids in the blood serum in parturients and newborn infants and their importance in toxicoses. G.V. Fevraleva. Kaz. med. zhur. no.6:45-47 N-D '62.

Treatment of toxicosis during the first half of pregnancy by means of a paracervical blockade. G.V. Ivanova. Nauch. trudy Riaz. med. inst. 15:21-24 '62.

TOXICOLOGY

Effect of the seasonal factor on the resistance of fishes to toxic materials. V.I. Luk'ianenko, B.A. Flerov. Vop. ikht. 4 no.1:170-183 '64.

TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. nos. 1-7, 9-11 Ja, Ap, My-Je '64.

TOXINS AND ANTITOXINS

Control of the immunogenic properties of purified sorbed staphylococcal anatoxins in experiments on white mice [with summary in English]. F.A. Chertkova, I.D. Loran. Zhur. mikrobiol., epid. i immun. 40 no.9:70-73 S '63.

Determination of the toxigenicity of staphylococci by precipitation in agar [with summary in English]. V.A. Khrushcheva, F.M. Teitel'baum, Sh.G. Malants. Zhur. mikrobiol., epid. i immun. 40 no.4:43-46 Ap '63.

Obtaining native clostridium sordelli anatoxins and their immunological characteristics [with summary in English]. E.V. Vlasova, E.F. TSurikov. Zhur. mikrobiol., epid. i immun. 40 no.4:83-87 Ap '63.

Study of botulin anatoxins. Report No.6: Type D botulin anatoxin [with summary in English]. A.A. Vorob'ev and others. Zhur. mikrobiol., epid. i immun. 40 no.9: 87-92 S '63.

Study of the epidemiological effectiveness of purified sorbed scarlet fever toxin [with summary in English]. S.L. Mitel'man. Zhur. mikrobiol., epid. i immun. 40 no.9:61-64 S '63.

TOXOPLASMA see subdivision under Kazakhstan

TOXOPLASMOSIS

(see also subdivision under Alma-Ata; Alma-Ata Province; East Kazakhstan Province; Kazakhstan)

Animal toxoplasmosis as a source of human infection. I.G. Galuzo. Zdrav. Kazakh. 23 no.4:65-67 '63.

Parasites and parasitocenoses in laboratory animals and the parasitological diagnosis of toxoplasmosis [with summary in English]. D.N. Zasukhin. Zool. zhur. 43 no.3:371-384 '64.

TRACE ELEMENTS

(see also subdivision under Kazakhstan; Tien Shan)

Brief news. D.P. Sokol'skii and others. Khim. v sel'. khoz. 2 no.2:55-62 F '64.

Chemical and spectral methods for determining trace element series in seawaters. T.K. Zhavoronkina, B.A. Skopintsev, I.T. Klimov. Okeanologiia 4 no.2:205-212 '64.

Content of copper, manganese, molybdenum and iodine in cow's milk of Saratov Province. L.G. Zamarin, L.I. Los', L.K. Piatnitskaia. Vop. pit. 21 no.6:81-82 N-D '62.

Content of copper, manganese, molybdenum, nickel and lead in some food products of plant origin in Saratov Province. L.I. Los', L.K. Piatnitskaia. Vop. pit. 21 no.6:82-83 N-D '62.

Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. [Geochemistry, mineralogy, and genetic types of rare element deposits] Geokhimiia, mineralogiia i geneticheskie tipy mestorozhdenii redkikh elementov. Moskva, Izd-vo "Nauka,"
    Vol. 1. [Geochemistry of rare elements] Geokhimiia redkikh elementov. 1964. 685 p.

Kliuchanskii, G.G. [Characteristics of the commercial estimation of the resources of trace elements in nonferrous metal deposits] Osobennosti promyshlennoi otsenki zapasov rasseiannykh elementov mestorozhdenii tsvetnykh metallov. Moskva, Izd-vo "Nedra," 1964. 52 p.

Some characteristics of the distribution of accessory elements in granitoids. N.N. Amshinskii. Izv. AN SSSR. Ser. geol. 29 no.2:55-65 F '64.

TRACE ELEMENTS—BIBLIOGRAPHY see Bibliography—Trace elements

TRACE ELEMENTS—CONGRESSES

Conference on "trace elements in agriculture." Uzb. khim. zhur. 8 no.2:79 '64.

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of the microelements cobalt and iodine on the butterfat content of milk on the training farm of the Stavropol Agricultural Institute. V.K. Anisimova, V.D. Rudin. Trudy Stavr. sel'khoz. inst. no.11:79-84 '62.

Stimulating effect of some trace elements combined with phenothiazine on the organism of sheep. S.G. Sidorova, V.I. Dobrynina, V.D. Rubin. Trudy Stavr. sel'khoz. inst. no.11:97-100 '62.

Trace elements in swine feeding [with summaries in English, German, and French]. N.V. Ezdakov. Vest. sel'khoz. nauki 8 no.12:22-27 D '63.

TRACHEA—INTUBATION

Clinical aspects of lesions of the larynx in a patient exposed to the action of ionizing radiation and the first treatment of the sequelae of this injury [with summary in English]. A.I. IUnina. Zhur. ush., nos. i gorl. bol. 23 no.6:36-41 N-D '63.

Formation of tracheostoma in extended laryngectomy. A cannula as a dilatator for the tracheostoma [with summary in English]. G.M. Tytar'. Zhur. ush., nos. i gorl. bol. 23 no.6:23-27 N-D '63.

TRACHEA—SURGERY

Arapov, D.A., and IU.V. Isakov. [Tracheostomy as a therapeutic method in emergency states] Trakheostomiia kak lechebnyi metod pri neotlozhnykh sostoianiiakh. Moskva, Izd-vo "Meditsina," 1964. 162 p. (Biblioteka prakticheskogo vracha)
(DNLM)

TRACHEA—TUMORS

Capillary hemangioma of the trachea. D.E. Rozengauz, F.A. Syroezhkin. Zhur. ush., nos. i gorl. bol. 23 no.6: 73-74 N-D '63.

TRACTOR INDUSTRY see subdivision under Leningrad

TRACTORS

(see also subdivision under Armenia; Poltava Province; Vinnitsa Province)

About the use of tractors in transportation work. M.N. IEmel'ianov, V.H. Hnevkovs'kyi. Mekh. sil'. hosp. 13 no.10:16-17 O '62.

Examining the T-75 tractor as an object of the regulation of the automatic driving system [with summaries in English, German, and French]. IA.L. Bronshtein. Vest. sel'khoz. nauki 8 no.12:109-115 D '63.

Front driving axle of the MTZ-52 tractor. P. Stepaniuk. Tekh. v sel'khoz. 23 no.12:44-48 D '63.

Gorozhankin, V.I. [Brief handbook on the DT-75 tractor] Kratkii spravochnik po traktoru DT-75. Moskva, Izd-vo "Kolos," 1964. 318 p.

Gurevich, A.M., and E.M. Sorokin. [Tractors and motor vehicles] Traktory i avtomobili. Izd. 3., ispr. i dop. Moskva, Izd-vo "Kolos," 1964. 543 p. diagr. (insert)

Polkanov, I.P. [Theory and design of machine and tractor units] Teoriia i raschet mashino-traktornykh agregatov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 254 p.

Scientific bases of cultivation requirements for high-speed tractors. V.N. Boltinskii. Mekh. i elek. sots. sel'khoz. 22 no.1:13-20 '64.

Technical possibilities of automatic driving of tractor-driven machinery in trellised vineyards [with summaries in English, German, and French]. V.A. Gur'ianov. Vest. sel'khoz. nauki 8 no.12:116-119 D '63.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no.5 My '64.

TRACTORS—CLUTCHES

Changing the clutch of the KDP-35 tractor. O. Hornyi. Mekh. sil'. hosp. 13 no.10:32 O '62.

TRACTORS—DYNAMICS

Effect of the running speed on the skidding of driving wheels of a tractor. I.A. Goncharov. Mekh. i elek. sots. sel'khoz. 22 no.1:51-52 '64.

Lateral deviation of tractor tires of the R type on slopes. A.S. Gal'perin. Mekh. i elek. sots. sel'khoz. 22 no.1: 58 '64.

TRACTORS—ENGINES

Balancing serial multicylinder automobile and tractor engines in assembling after the overhaul. V.P. Rodimov. Izv. vys. ucheb. zav.; mashinostr. no.2:98-105 '64.

Symmetric wet cylinder sleeve of engines. A. TSyrin. Tekh. v sel'khoz. 23 no.12:69-71 D '63.

TRACTORS—FUEL CONSUMPTION

Minin, IU.V. [For an economic use of fuel and lubrication materials] Za ekonomiiu goriuchego i smazochnykh materialov. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 24 p. (Govoriat novatory lesozagotovok)
[MICROFILM]

Production and fuel consumption norms for the T-28 tractor. I.N. Zal'tsman. Mekh. sil'. hosp. 13 no.10: 22-23 O '62.

TRACTORS—FUEL SYSTEMS

Production and fuel consumption norms for the T-40 tractor. R.S. Kalynovs'kyi. Mekh. sil'. hosp. 15 no.2: 24-25 F '64.

TRACTORS—HYDRAULIC EQUIPMENT

Modernization of the stand for testing hydraulic equipment. H.L. Kal'bus, S.S. Isaiev. Mekh. sil'. hosp. 13 no.10:6-8 O '62.

Repairing the pumps of the NSh-type. P.T. Solon'ko. Mekh. sil'. hosp. 15 no.5:24-26 My '64.

Use of devices for repairing hydraulic equipment. V.M. Tkachenko, V.F. Kalenychenko. Mekh. sil'. hosp. 13 no.10:8-9 O '62.

TRACTORS—LUBRICATION

Injection of oil in the lubrication system of diesel tractors before starting. A.V. Srebrianskii, V.N. Degtiarev, P.P. Efremov. Mekh. i elek. sots. sel'khoz. 22 no.1: 25-27 '64.

Minin, IU.V. [For an economic use of fuel and lubrication materials] Za ekonomiiu goriuchego i smazochnykh materialov. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 24 p. (Govoriat novatory lesozagotovok)
[MICROFILM]

TRACTORS—MAINTENANCE AND REPAIR

(see also subdivision under Ukraine)

Apparatus for pressing out bushings. N. Zhukov. Tekh. v sel'khoz. 23 no.12:77-78 D '63.

Hydraulic puller. A. Trigubovich. Tekh. v sel'khoz. 23 no.12:79 D '63.

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobratyvaiushchei promyshlennosti i lesnomu khoziaistvu. [New methods for the reconditioning of parts and the purification of fuel] Novye metody vosstanovleniia detalei i ochistki topliva. Moskva, 1963. 36 p. (Lesoekspluatatsiia)
[MICROFILM]

New equipment for the continuous repair of tractors. V. Frolov. Tekh. v sel'khoz. 23 no.12:57-61 D '63.

Pressing out and press fitting of the bushings of rockers. IA.M. Ochabruk. Mekh. sil'. hosp. 15 no.2:16-17 F '64.

Reconditioning a coupling joint. IU. Vishnevskii. Tekh. v sel'khoz. 23 no.12:40 D '63.

Reconditioning bushings by a thermodiffusion method. I. Korol'kov. Tekh. v sel'khoz. 23 no.12:67 D '63.

Repairing pinion brackets of a turning gear. N. Ignat'ev. Tekh. v sel'khoz. 23 no.12:75-76 D '63.

TRACTORS—PRODUCTION STANDARDS

Production and fuel consumption norm for the T-28 tractor. I.N. Zal'tsman. Mekh. sil'. hosp. 13 no.10: 22-23 O '62.

TRACTORS—STUDY AND TEACHING

Training machine operators. M.M. Nastenko. Mekh. sil'. hosp. 15 no.5:31-32 My '64.

TRACTORS—TESTING

Jet-type pickup and the field of its application. P.P. Leman, V.P. Zaitsev. Mekh. i elek. sots. sel'khoz. 22 no.1:60-61 '64.

TRACTORS—TIRES

Studying arch tires. M.V. Kuz'min. Mekh. i elek. sots. sel'khoz. 22 no.1:53-54 '64.

TRACTORS—TRANSMISSION DEVICES

Modeling of the electrical transmission system of the DET-250 tractor. S.P. Lebedev and others. Izv. vys. ucheb. zav.; elektromekh. 7 no.3:332-338 '64.

Standardizing gearboxes for the "Belarus'" tractors. A. Babenko. Tekh. v sel'khoz. 23 no.12:77 D '63.

TRACTORS—TRANSMISSION DEVICES, AUTOMATIC

Automatic control of a tractor with a hydraulic transmission. A.T. Lebedev. Mashinostroenie no.2:81-83 Mr-Ap '64.

TRACTORS—WHEELS

Reconditioning guiding wheel rims of the DT-54 tractor. V.P. Nechiporenko, N.A. Kanarskii. Mashinostroenie no.2:89-90 Mr-Ap '64.

TRADE UNIONS

(see also subdivision under Africa; Algeria; Asia, Southeastern; Azov District; Chelyabinsk Province; Ecuador; Gorkiy; Kazakhstan; Portugal; Udmurt A.S.S.R.; United States; Venezuela)

The Day of Peace and Labor. Sov.profsoiuzy 20 no.8: 2-3 Ap '64.

[Decisions of the All-Union Central Council of Trade Unions] Sbor.post VTSSPS Ja-Mr '63.

The fields and the farms are our laboratories. B.Dzhafarov. Sov.profsoiuzy 20 no.8:8-10 Ap '64.

The fight for peace is our main task. Louis Saillant. Vsem.prof.dvizh. no.11:3-5 N '63.

Grishin, V. V. [Tasks of trade unions in the further development of agriculture; a paper read at the Third Plenum of the All-Union Central Council of Trade Unions, February 27, 1964] Zadachi profsoiuzov po dal'neishemu razvitiiu sel'skogo khoziaistva; doklad na III Plenume VTsSPS, 27 fevralia 1964 goda. [Moskva] Profizdat, 1964. 61 p.

In the name of happiness and joy. Irena Janiszewska. Sov.profsoiuzy 20 no.8:40 Ap '64.

Kostin, L. [Trade unions and labor productivity during the period of the building of communism] Profsoiuzy i proizvoditel'nost' truda v period postroeniia kommunizma. [Moskva] Profizdat, 1964. 175 p.

Kudinov, B. F. [Organization of tourist work in an enterprise] Organizatsiia turistskoi raboty na predpriiatii. [Moskva] Profizdat, 1964. 79 p. (Bibliotechka profsoiuznogo aktivista, no.8(80))

A message from the Spanish workers' opposition to the international trade-union movement. Vsem.prof.dvizh, no.11:6-8 N '63.

The Moscow Treaty and the international trade-union movement. Louis Saillant. Vsem.prof.dvizh. no.11: 1-2 N '63.

Outstripping time. S.Bard. Sov.profsoiuzy 20 no.7:32 Ap '64.

Romance of nautical routine. S.Petrenko. Sov.profsoiuzy 20 no.7:24-26 Ap '64.

Shtyl'ko, A. A. [School of communism; trade unions in the building of communism] Shkola kommunizma; profsoiuzy v stroitel'stve kommunizma. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no.9)

[Trade unions of the U.S.S.R.; documents and materials in four volumes] Profsoiuzy SSSR; dokumenty i materialy v chetyrekh tomakh. [Moskva] Profizdat.
  Vol.4. [Trade unions during the completion of the building of socialism and the beginning of the large-scale building of communism, 1953-1963] Profsoiuzy v period zaversheniia stroitel'stva sotsializma i nachala razvernutogo stroitel'stva kommunizma (1953-1963 gg.) 1963. 845 p.

The 20th Congress of the Trade Union of Government Employees. Sots.zakon. 40 no.12:74 D '63.

TRADE UNIONS—CONGRESSES

Eighth congress of the Coal Industry Workers Trade Union. I.G.Mikhailenko. Ugol' 38 no.12:54-55 D '63.

Forward, toward unity! Louis Saillant. Vsem.prof.dvizh. no.11:40-43 N '63.

To build means to live in peace. Oleg Valentinov. Vsem.prof.dvizh. no.11:43-47 N '63.

Vsesoiuznyi s"ezd professional'nykh soiuzov. 13th, Moscow, 1963. [Materials of the 13th Congress of Trade Unions of the U.S.S.R.] Materialy. [Moskva] Profizdat, 1964. 158 p.

TRADE UNIONS—OFFICERS

(see also subdivision under Konstantinovka, Donetsk Province)

The collective's spirit. A.Bondar'. Sov.profsoiuzy 20 no.7:30 Ap '64.

Salute, Anna Alekseevna! S.Nikitin. Sov.profsoiuzy 20 no.7:31-32 Ap '64.

TRADEMARKS

[Bulletin on inventions and trademarks] Biul.izobr.i tov.znak. 41 nos.9-10 My '64.

TRADITION (THEOLOGY)

Problem of the tradition in church (conclusion). L.Voronov. Zhur.Mosk.Patr. no.4:64-69 '64.

TRAFFIC ENGINEERING

Electronic control of automobile traffic. A.G.Fain. Nov.tekh.zhil.-kom.khoz.;Gor.dor.-most.khoz.i transp. no.2:29-30 '63.

Traffic engineering and safety. Avt.transp. 42 no.4: 47 Ap '64.

TRAFFIC REGULATIONS

Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseinykh dorog. [Regulations for street and highway traffic of the U.S.S.R.; in effect January 1, 1961] Pravila dvizheniia po ulitsam i dorogam Soiuza SSR; vvedeny v deistvie s 1 ianvaria 1961 g. Moskva, 1961. 125 p.
(CSt-H)

Traffic regulations for tractors. D.Razumkov, V.Semenov. Tekh.v sel'khoz. 23 no.12:80-85 D '63.

Ukraine. Gosudarstvennaia avtomobil'naia inspektsiia. [Traffic regulations for streets and highways of the U.S.S.R.] Pravila dvizheniia po ulitsam i dorogam Soiuza SSR. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963. 125 p. (Insert)

TRAFFIC SAFETY

Traffic organization and safety. Avt.transp. 42 no.5: 46-47 My '64.

TRAFFIC VIOLATIONS

Let us intensify our struggle against traffic violations. I.Kalinin. Sots.zakon. 40 no.12:43-45 D '63.

TRAKHTEMIROV REGION (UKRAINE)—GEOLOGY, STRATIGRAPHIC

Stratigraphic division of the Jurassic sediments in the northern part of the Kanev dislocation region [with summary in English]. I.I.Nikitin. Dop.AN URSR no.4:520-523 '64.

TRANSAMINASES

Activity of tissue transaminases in convulsions produced by thiamine [with summary in English]. IU.M. Ostrovskii, N.S.Nepochelovich. Ukr.biokhim.zhur. 35 no.5:728-731 '63.

Diagnostic and prognostic significance of determining glutamino-oxaloacetic transaminase in Botkin's disease in children [with summary in English]. A.P. Kupershtein. Vop.okh.mat.i det. 7 no.6:44-48 Je '62.

TRANSBAIKALIA—BITUMEN—GEOLOGY

Bitumens in hydrothermal veins of the Kurultyk deposit (eastern Transbaikalia). G.I.Bocharova. Dokl.AN SSSR 156 no.3:590-591 '64.

TRANSBAIKALIA—DESCRIPTION AND TRAVEL

[A miracle continues; a story of great changes] Chudo prodolzhaetsia; rasskaz o velikikh peremenakh. [Chita] Zabaikal'skii rabochii, 1963. 54 p. (Na zemle Zabaikal'skoi)
(CSt-H)

TRANSBAIKALIA—ECONOMIC CONDITIONS

[A miracle continues; a story of great changes] Chudo prodolzhaetsia; rasskaz o velikikh peremenakh. [Chita] Zabaikal'skii rabochii, 1963. 54 p. (Na zemle Zabaikal'skoi)
(CSt-H)

TRANSBAIKALIA—GEOCHEMICAL PROSPECTING

Selection and treatment of assays in fluorometric surveys in eastern Transbaikalia. IA.D.Fedorenko. Zap.LGI 45 no.2:114-118 '63.

TRANSBAIKALIA—GEOLOGICAL TIME

Age of molybdenum mineralization in the Kudikan ore manifestation of eastern Transbaikalia. F.V.Kaminskii, G.S.Nesmikh, N.N.Trofimov. Izv.AN SSSR.Ser.geol. 29 no.4:85-89 Ap '64.

TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC

New data on a section of Quaternary sediments of Mount Tologoy (western Transbaikalia). L.P.Aleksandrova and others. Biul.Kom.chetv.per. no.28:84-101 '63.

TRANSBAIKALIA—GRANITE

Mesozoic granites in western Transbaikalia and rare metal mineralization related to them. V.V.Chuprov. Trudy VSEGEI 98:74-89 '63.

TRANSBAIKALIA—GRAVITY PROSPECTING

Simplifying the method for calculating the effect of relief in milligal gravity surveying under the conditions of a Mesozoic trough in Transbaikalia. V.D.Liubalin, IU.N. Bugrov. Sbor.luch.rats.predl. pt.2:5-6 '63.

TRANSBAIKALIA—HYGIENE

Zolotov, P. A., ed. [Problems in hygiene in eastern Transbaikalia; scientific and practical works] Voprosy gigieny v Vostochnom Zabaikal'e; sbornik nauchno-prakticheskikh rabot. Chita, Chitinskii, gos. med. in-t, 1962. 297 p.

TRANSBAIKALIA—MOLYBDENUM ORES

Age of molybdenum mineralization in the Kudikan ore manifestation of eastern Transbaikalia. F.V.Kaminskii, G.S.Nesmikh, N.N.Trofimov. Izv.AN SSSR.Ser.geol. 29 no.4:85-89 Ap '64.

TRANSBAIKALIA—ORE DEPOSITS

Mesozoic granites in western Transbaikalia and rare metal mineralization related to them. V.V.Chuprov. Trudy VSEGEI 98:74-89 '63.

Primary dispersion halos of auric quartz veins in the Lyubavinskoye ore-bearing area (Eastern Transbaikalia). E.M.Kriatkovskii. Zap.LGI 45 no.2:10-15 '63.

TRANSBAIKALIA—THALLIUM

Thallium in the zone of oxidation of some lead-zinc deposits in eastern Transbaikalia. M.F.Kulikova. Trudy IMGRE no.10:291-297 '63.

TRANSCARPATHIA—INFLUENZA

Epidemiological characteristics of the incidence of influenza in Transcarpathia in 1957. L.S.Segal', E.F. Klinskaia, V.M.Meshchenko. Vop.med.virus. no.5 pt.2:45-50 '58.

TRANSCARPATHIA—LAVA

Peculiar case of trinominal structure of the flow of spilitic lava on Mount Bol'shiye Kamentsy (Transcarpathian Province). V.I.Lebedinskii. Dokl.AN SSSR 155 no.2:357-360 Mr '64.

TRANSCARPATHIA—PLANT QUARANTINE

In the Transcarpathian Laboratory. V.IU.Dulo, A.I. Smetnik. Zashch.rast.ot vred.i bol. 9 no.4:44-45 '64.

TRANSCAUCASIA—ALLIED INTERVENTION, 1918-1920

Predatory policy of the Anglo-American interveners in Transcaucasia, 1919-1921 [in Armenian with summary in Russian]. V.L.Avakian. Izv.AN Arm.SSR.Obshchestv. nauki no.1:3-14 Ja '64.

TRANSCAUCASIA—BITING MIDGES

Dzhafarov, Sh. M. [Biting midges (Diptera, Heleidae) of Transcaucasia; morphology, biology, ecology, geographical distribution, injuriousness, control and fauna of the genera Culicoides, Leptoconops and Lasiohelea] Krovososushchie mokretsy (Diptera, Heleidae) Zakavkaz'ia; morfologiia, biologiia, ekologiia, geograficheskoe rasprostranenie, vredonosnost', mery bor'by i fauna rodov Culicoides, Leptoconops i Lasiohelea. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1964. 413 p.

TRANSCAUCASIA—HISTORY

The special characteristics of the building of socialism in Transcaucasia, 1921-1936. P.N.Lomashvili. Vop.ist.KPSS 8 no.5:94-101 My '64.

TRANSCAUCASIA—JOURNALISM

Vateishvili, D. L. [From the history of the legal workers' Press of Transcaucasia] Iz istorii legal'noi rabochei pechati Zakavkaz'ia. Tbilisi, Izd-vo SSP Gruzii "Literatura i iskusstvo," 1963. 302 p.

TRANSCAUCASIA—NATIONALITIES

A meeting devoted to the friendship of the peoples of Transcaucasia. G.V.Bregadze. Ist.SSSR 8 no.2:221-228 Mr-Ap '64.

TRANSCAUCASIA—REVOLUTION OF 1905

Vateishvili, D. L. [From the history of the legal workers' press of Transcaucasia] Iz istorii legal'noi rabochei pechati Zakavkaz'ia. Tbilisi, Izd-vo SSP Gruzii "Literatura i iskusstvo," 1963. 302 p.

TRANSCAUCASIA—REVOLUTION, 1917-1921

Predatory policy of the Anglo-American interveners in Transcaucasia, 1919-1921 [in Armenian with summary in Russian]. V.L.Avakian. Izv.AN Arm.SSR.Obshchestv. nauki no.1:3-14 Ja '64.

TRANSDUCERS

Calculating the static sensitivity of a three-layered cylindrical transducer. A.A.Anan'eva, V.A.Berezin. Akust.zhur. 10 no.1:15-19 '64.

Designing string transducers. E.D.Gusev. Priborostroenie no.4:4-7 Ap '64.

Problems of the design of e.m.f. Hall transducers. D.D.Voeikov. Izv.LETI no.43:157-162 '60.

Transducer for monitoring the operation of superheated solution atomizers in drying apparatus. B.I.Leonchik, M.V.Lykov. Izv.vys.ucheb.zav.; energ. 7 no.4:102-104 Ap '64.

TSeitlin, IA. M., I. V. L'vovich, and O. I. IUsov. [Photoelectric transducers for the automation of inspection operations] Fotoelektricheskie datchiki dlia avtomatizatsii kontrolia. Leningrad, 1963. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metody i sredstva kontrolia, ispytaniia materialov, detalei i mekhanizmov, no.4)

Using induction transducers. V.A.IAkovenko. Stan.i instr. 35 no.4:19-21 Ap '64.

TRANSFORMATIONS (MATHEMATICS)

Coexistence of cycles of continuous mapping of a straight line into itself [with summary in English]. A.N. Sharkovskii. Ukr.mat.zhur. 16 no.1:61-71 '64.

Determining the dependence between the parameters of natural phenomena or a technical process according to their geometrical interpretation. P.A.Vlasenko. Trudy Turk.sel'khoz.inst. 11 no.2:15-35 '62.

Properties of chains with complete bonds. M.Iosifescu, R.Theodorescu. Ukr.mat.zhur. 16 no.1:93-99 '64.

TRANSIENTS (DYNAMICS)—MATHEMATICAL MODELS

Using mathematical models for the analysis of knocking in mechanisms of excavators and cranes taking into account elasticity and free play. S.A.Kazak, V.M. Kirpichnikov, O.A.Levishko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.1:162-173 '64.

TRANSIENTS (ELECTRICITY)

Alekin, V. S. [Electromagnetic transients in electrical networks and systems] Elektromagnitnye perekhodnye protsessy v elektricheskikh setiakh i sistemakh; uchebnoe posobie. Leningrad, [illegible] politekhn. in-t, 1962. 238 p.

TRANSISTOR AMPLIFIERS

Amplifying [illegible]

[illegible]

[illegible]

[illegible]

TRANSISTOR CIRCUITS

[illegible]

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Pollak, V. V. [Transistor pocket radio] Karmannyi radiopriemnik na tranzistorakh. Moskva, Izd-vo "Energiia," 1964. 32 p. (Massovaia radiobiblioteka, no. [illegible])

TRANSISTORS

[illegible]

[illegible]

[illegible]

TRANSITION METALS—COMPOUNDS

[illegible]

TRANSITION METALS

[illegible]

[illegible]

TRANSLATIONS—BIBLIOGRAPHY see Bibliography—Translations

[illegible] see [illegible]

TRANSPORTATION
(see also subdivision under Tashkent)

[illegible] [Economic relations and transport] [illegible] 338 p.

[illegible]

[illegible]

TRANSPORTATION—ABSTRACTS

[Communication and the interaction of various types of transportation] Ref. zhur.: Transportnaia [illegible] no.3 [illegible] '64

[Industrial transportation] Ref. zhur.: [illegible] no.3 [illegible] '64

TRANSPORTATION—ELECTRIC EQUIPMENT

[illegible] electric transportation. [illegible]

TRANSPORTATION—FREIGHT

[illegible] Ap '64.

TRANSPORTATION—RATES

Influence of transportation costs on [illegible] '64.

TRANSPORTATION, AUTOMOTIVE
(see also subdivision under [illegible] Province)

Centralized agricultural freight transportation. [illegible] Avt. transp. 42 no.4:13-15 Ap '64.

Development of the operational and technical base for automotive transportation. Avt. transp. 42 no.4:[illegible] Ap '64.

[illegible] to the products of the chemical industry. [illegible] Avt. transp. 42 no.4:11-14 Ap '64.

Improve the standards of organization work. [illegible] Avt. transp. 42 no.4:1-4 Ap '64.

Improving the delivery of food and industrial goods. [illegible] Avt. transp. 42 no.4:[illegible] Ap '64.

[illegible] Avt. transp. 42 no.4:[illegible] Ap '64.

[illegible] Avt. transp. 42 no.5:[illegible] My '64.

[illegible], Iu. I., and I. I. Ilkind. [Automotive transportation of food and industrial goods] Avtomobil'nye perevozki prodovol'stvennykh i promyshlennykh gruzov. Moskva, Transport, 1964. 190 p.

[illegible] Avt. transp. 42 no.5:[illegible] My '64.

[illegible] Avt. transp. 42 no.4:[illegible] Ap '64.

[illegible] Avt. transp. 42 no.5:[illegible] My '64.

[illegible] Avt. transp. 42 no.5:[illegible] My '64.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no.5 My '64

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—FREIGHT

[illegible]

[illegible], M. M. [Mechanized accounting for the operation of automotive freight transportation] Mekhanizatsiia ucheta raboty gruzovogo avtomobil'nogo transporta. Izd. 2., perer. i dop. Moskva, Transport, 1964. 92 p.

[illegible]

TRANSPORTATION, AUTOMOTIVE—LAWS AND REGULATIONS

[illegible]

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

[illegible]

[illegible]

[illegible]

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS see subdivision under Arkhangel

TRANSPORTATION BUILDINGS—HEATING

[illegible]

[illegible]—HISTORY

[illegible], A. A. [A million years of prisons] [illegible] Moskva, Gospolitizdat, 1963. 77 p. [illegible]

TRANSYLVANIA—PHYSICIANS—BIOGRAPHY

[illegible]

[illegible]

[illegible]

TRAVELING-WAVE TUBES

Saturation of a traveling-wave tube near the boundaries of the passband. [illegible] Izv. vys. ucheb. zav.; radiotekh. 7 no.1:[illegible] Ja-F '64.

Parameters of a traveling-wave tube in the [illegible] of a [illegible] waveguide. [illegible] Izv. vys. ucheb. zav.; radiotekh. 7 no.1:[illegible] Ja-F '64.

TREATIES

[illegible] of strengthening international peace and security. [illegible] 24 no.4:[illegible] Ap '64.

TREE OF HEAVEN see subdivision under Tbilisi region

TREE PLANTING

Tolerated deviations from the embedding depth of seed. [illegible] Les. khoz. 17 no.4:46-47 Ap '64.

TREES—DISEASES AND PESTS see subdivision under Siberia, Western

TREES—FERTILIZERS AND MANURES

Use of fertilizers for growing woody plants on turf-podzolic soils. [illegible] no.4:[illegible] '64.

TREES—WATER REQUIREMENTS
(see also subdivision under Minsk)

Sap flow rate in woody plants. [illegible] Dokl. AN SSSR 156 no.3:[illegible] '64.

TREES IN CITIES
(see also subdivision under Omsk)

Landscaping and problems in designing city streets. L. V. Gurevich, [illegible] Nov. tekh. zhil.-komm. khoz.; Gor. dor., most. khoz. i transp. no.2:9-12 '63.

TREMATODA

Morphological variability in the trematodes of rodents [illegible] Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6:[illegible] '63.

TRENCHING MACHINERY

Measuring forces acting on bucket teeth of a rotary trench digger. [illegible]

The [illegible] universal trench digger. [illegible] '64

TREPONEMA PALLIDUM—CULTURES AND CULTURE MEDIA

Cultivation of Treponema pallidum. [illegible] Lab. delo 8 no.9:17-19 S '62.

TRESTLES see subdivision under Belgorod

TRET'YAKOVO, LAKE

What changes take place in the Tret'yakovo Lake? [illegible] '64.

TRIAL PRACTICE

Collegiate principle in the consideration of civil cases. [illegible] '63.

Studying the data on the personality of the accused and evaluating them in the court session. [illegible] '63.

TRIALETI REGION—BRONZE AGE

[illegible]

TRIALS (POLITICAL CRIMES AND OFFENSES)

[illegible], M. P. [Before the court of the [illegible]] [illegible] Moskva, Izd-vo "Iuridicheskaia literatura," 1964. [illegible] p.

TRIAZENE

[illegible] prepared by the Institute of Chemical Reagents. A. M. Lukin, [illegible] Metod. poluch. khim. reak. i prepar. no.8:[illegible] '63.

TRIAZENE—TOXICOLOGY

[illegible]

TRIAZINE

[illegible]

TRICHODERMA

Experiments in investigating the vegetative propagation of [illegible] '63.

TRICHODERMA—TOXICOLOGY

Alimentary toxic aleukia [illegible] in Uzbekistan, according to the data of [illegible] Medical Institute. [illegible] '63.

TRICHODERMINE

Effect of the alkaloids [illegible] and trichodermine on the development of [illegible] carcinoma. [illegible] '63.

TRICHOMONIASIS
(see also subdivision under Alma-Ata Province)

Comparative evaluation of some antitrichomonas preparations on animals. L. K. Lichkova. Antibiotiki 8 no.8:741-744 Ag '63.

Study of the effectiveness of the preparation flagil in the therapy of trichomoniasis in women. [illegible] and others. Vest. derm. i ven. 37 no.3:[illegible] '63.

TRICHOMONIASIS—PREVENTIVE INOCULATION

Antitrichomonal action of immune bovine serum under experimental conditions (with summary in English) [illegible] '63.

TRICRESOL

[illegible] adhesives on a base of shale tar [illegible] boiled away at [illegible] A.G. Zabrodkin and others. [illegible] no. 10:253-256 [illegible]

TRIGEMINAL NERVE

[illegible] of the sensory innervation of the [illegible] in some mammals. A.M. Mitrofanov. [illegible] 64 no. 2:200-204 '64.

TRILOBITES see subdivision under Baltic Sea region

TRIM (OF SHIPS)

Voevodin, N. F. [Effect of cargo loading on the stability of ships] Vliianie priema gruza na ostoichivost' sudna. Leningrad, "Sudostroenie," 1964. 165 p.

TRITIUM

Formation of tritium in the atmosphere. V. Lujanas. Trudy AN Lit.SSR. Ser. B no. 1:21-28 '63.

Tritium content in glaciers. IU. A. Izrael' and others. Dokl. AN SSSR 155 no. 1:72-73 My '64.

TRIUMFOV, ALEKSANDR VIKTOROVICH, 1897-1963

A. V. Triumfov. Zhur. nevr. i psikh. 64 no. 2:316-317 '64.

TROLLEYBUSES
(see also subdivision under Crimea)

Linked trolleybus manufactured by the SVARZ Plant. G.V.Kapeller. Nov.tekh.zhil.-kom.khoz.:Gor.dor.-most.khoz.i transp. no.2:47-64 '63.

TROMBAY—NUCLEAR RESEARCH

Indian scientific atomic center at Trombay. Vikt. I. Spitsyn. Atom.energ. 16 no.4:364-365 Ap '64.

TRUCK TRAILERS

The 1-PTS-2 tractor trailer. I. Pivovarov. Tekh. v sel'khoz. 23 no.12:43 D '63.

TRUSSES

Determining stresses in rods of a flat statically determinate truss. I. A. Fedorov. Sbor.nauch.trud.KGRI 18:50-52 '62.

Study of compressed elements of reinforced concrete trusses. G. E. Kurmei. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no.8:11-17 '63.

TRUSTS, INDUSTRIAL see subdivision under Africa, South; European Economic Community Countries

TRYPANOSOMA

Ribonucleic acid in the life cycle of Schizotrypanum cruzi. V. D. Kallinikova, G. I. Roskin. TSitologiia 5 no. 3:303-310 My-Je '63.

TRYPANOSOMA—CULTURES AND CULTURE MEDIA

Oxidation-reduction potential in a Schizotrypanum cruzi culture [with summary in English]. N. N. Sukhareva-Nemakova. Izv. AN SSSR. Ser. biol. no. 2:287-292 Mr-Ap '63.

TRYPSIN

Effect of aliphatic acids on the structure of the trypsin molecule. V. V. Mosolov. Dokl. AN SSSR 155 no. 4: 953-956 Ap '64.

Nature of the thermal aftereffect in trypsin solutions irradiated by X rays. V. N. Luzikov, E. B. Burlakova. Dokl. AN SSSR 155 no. 5:1205-1208 Ap '64.

TRYPTOPHAN

Tryptophan metabolism in patients with schizophrenia [with summary in English]. D. V. Lozovskii. Vop. med. khim. 8 no. 6:616-620 N-D '62.

TSALKIN, VENIAMIN IOSIFOVICH, 1903-

On Veniamin Iosifovich TSalkin's 60th birthday. V. I. Bibikova. Sov. arkheol. 8 no. 2:87-89 '64.

TSEKHMISTRO, BORIS

Sergeant's kiosk. Sov. voin 44 no. 22:32 N '62.

TSELINNYY KRAY see Virgin Territory

TSELINOGRAD PROVINCE—AGRICULTURAL ADMINISTRATION

Nearer to production! A. IUshin. Part. zhizn' Kazakh. 34 no. 3:23, 25-27 Mr '64.

TSELINOGRAD PROVINCE—STATE FARMS

We need more practical help. A. Aleshin. Part. zhizn' Kazakh. 34 no. 3:25 Mr '64.

TSELINOGRAD PROVINCE—STATE FARMS—MANAGEMENT

They prevent us from working. I. Petukhov. Part. zhizn' Kazakh. 34 no. 3:24 Mr '64.

TSELINOGRAD PROVINCE—TULAREMIA—PREVENTIVE INOCULATION

Epidemiological effectiveness of antitularemia vaccinations in TSelinograd Province. A. I. Kolendovich. Zdrav. Kazakh. 22 no.10:63-65 '62.

TSEMI (ABKHAZIA)—HEALTH RESORTS, WATERING PLACES, ETC.

Comparative data on the basal metabolism and vacat oxygen in lung diseases at the sea health resort Gagra and moderate altitude health resort TSemi. G.A.Ushveridze, M.N.Dgebuadze, L.P.Dzhikiia. Sbor.trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:79-82 '63.

TSIMLYANSK RESERVOIR—PHYTOPLANKTON

Primary production of plankton in TSimlyansk Reservoir. I.V.Pototskaia, N.P.TSyba. Dokl.AN SSSR 155 no.3: 680-682 Mr '64.

TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935

Prophet of the Universe. A.Grigor'ian. Kryl.rod. 15 no. 4:17 Ap '64.

TSKHALTUBO (GEORGIA)—AIR, IONIZED

Significance of the atmospheric ionization in the complex climatic factors in the treatment of hypertension patients at the TSkhaltubo health resort. L.A.Sergeev. Sbor. trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:135-144 '63.

TSKHALTUBO (GEORGIA)—CLIMATOLOGY, MEDICAL

Significance of the atmospheric ionization in the complex climatic factors in the treatment of hypertension patients at the TSkhaltubo health resort. L.A.Sergeev. Sbor. trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:135-144 '63.

TSKHALTUBO (GEORGIA)—HEALTH RESORTS, WATERING PLACES, ETC.

Significance of the atmospheric ionization in the complex climatic factors in the treatment of hypertension patients at the TSkhaltubo health resort. L.A.Sergeev. Sbor. trud.Gos.nauch.-issl.inst.kur.i fizioter. 26:135-144 '63.

TUBERCULIN

Prolonged clinical and roentgenological follow-up of children with first signs of tuberculin allergy. I. P. Parfenova, N. I. Trigub. Pediatriia 42 no. 9:27-33 S '63.

TUBERCULIN—TESTING

Allergic diagnosis of tuberculosis in camels. L. P. Abramov. Veterinariia 40 no. 10:26-29 O '63.

Degree of the activity of various types of tuberculin in the diagnosis of tuberculosis in poultry. A.A.Bannikov, R.S.Khurshudiants, N.D.Tishina. Trudy Stavr.sel'khoz. inst. no.11:172-176 '62.

Differentiation of specific and nonspecific reactions to tuberculin. V. V. Sudachenkov. Veterinariia 40 no. 10: 21-24 O '63.

Sensibilization in ocular and intracutaneous tuberculinization. I. A. Tverdokhlebov. Veterinariia 40 no. 10: 24-25 O '63.

Tuberculin reaction in hens. I. A. Karkadinovskaia. Veterinariia 40 no. 10:32 O '63.

TUBERCULOSIS
(see also subdivision under Alma-Ata; Georgia; Samarkand Province; Semipalatinsk)

Analysis of an outbreak of adenovirus diseases in the departments of a children's tuberculosis sanatorium [with summary in English]. A. S. Kaplan, L. L. Gaeva, G. A. Makarenko. Pediatriia 42 no. 9:23-27 S '63.

Comparative characteristics of morphological changes in the lungs and the intestines during their simultaneous infection by tuberculosis. N. V. Onopchenko. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25:22-28 '62.

Course of pregnancy and labor in patients with pulmonary tuberculosis. T. IA. Il'ina. Zdrav. Kazakh. 22 no.10: 30-34 '62.

Determining the frequency of bacillary discharges in "closed" forms of pulmonary tuberculosis by the method of microcultures. B. S. Geller, M. A. Il'iashenko. Lab. delo 8 no. 9:20-22 S '62.

Effect of glutamic acid on the amino acid structure of the blood serum in experimental tuberculosis [with summary in English]. M. A. Chertkova, Zh. Z. Kharakter. Vop. med. khim. 8 no. 6:603-607 N-D '62.

Effectiveness of surgical treatment in pulmonary tuberculosis. F. M. Ismailov. Zdrav. Turk. 8 no. 1:8-11 Ja '64.

Evaluation of cavernotomy as a therapeutic method in giant cavities. A. E. Podgainyi. Zdrav. Kazakh. 22 no. 10:27-30 '62.

Laboratory control for the regulation of the use of paraminosalicylic acid and phtivazid for patients with tuberculosis under ambulatory conditions. E. A. Ginzburg, I. G. Shklovskaia. Lab. delo no. 5:274-275 '64.

Oxyhemography in patients with pulmonary tuberculosis during and after the resection of different portions of the lung tissue. A. Khusinov. Nauch. trudy SamMI 21: 137-139 '62.

Perel'man, M. I., and M. Z. Upiter. [Angiography of the lungs in tuberculosis] Angiografiia legkikh pri tuberkuleze. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 145 p.
(DNLM)

Prolonged clinical and roentgenological follow-up of children with first signs of tuberculin allergy. I. P. Parfenova, N. I. Trigub. Pediatriia 42 no. 9:27-33 S '63.

Properdin in the blood of patients with tuberculosis of the lungs. E. P. Averina, A. A. Borkhovetskaia. Lab. delo no. 5:276-278 '64.

Time period for preliminary antibacterial therapy in artificial pneumothorax. I. P. Zinov'ev. Zdrav. Kazakh. 23 no. 4:37-39 '63.

Venous and arterial pressure in tuberculosis patients following antibacterial and surgical treatment. A. A. Sharapov. Zdrav. Turk. 8 no. 1:3-8 Ja '64.

TUBERCULOSIS—BIBLIOGRAPHY see Bibliography—Tuberculosis

TUBERCULOSIS—DIAGNOSIS

Diagnostic significance of Weltmann's serum test in silicotuberculosis; an annotation. A. V. [illegible]. Lab. delo no. 5:278-280 '64.

Fluorescent bacteriological diagnosis of minor forms of tuberculosis of the lungs. V. S. Perepelkin, T. A. [illegible]vinova. Lab. delo no. 5:276 '64.

TUBERCULOSIS—PREVENTION

Effect of chemoprophylaxis on the degree of tuberculosis infection and its incidence in children, adolescents and adults. V. P. Rotar'. Zdravookhranenie 7 no. 1:45-49 Ja-F '64.

TUBERCULOSIS IN ANIMALS
(see also subdivision under Czechoslovakia; Novosibirsk Province; Voronezh Province; White Russia)

Present-day tasks in the elimination of tuberculosis in animals and poultry. I. V. Poddubskii. Veterinariia 40 no. 10:12-14 O '63.

TUBERCULOSIS IN POULTRY
(see also subdivision under Stavropol Territory)

Intravital methods of diagnosing tuberculosis in poultry. R.S.Khurshudiants. Trudy Stavr.sel'khoz.inst. no.11: 177-180 '62.

Pathogenesis of tuberculosis in poultry. A. A. [illegible] Trudy Stavr.sel'khoz.inst. no.11:167-171 '62.

Present-day tasks in the elimination of tuberculosis in animals and poultry. I. V. Poddubskii. Veterinariia 40 no. 10:12-14 O '63.

Ridding a poultry farm of tuberculosis. P. [illegible] Veterinariia 40 no. 10:5-6 O '63.

Tuberculin reaction in hens. I. A. Karkadinovskaia. Veterinariia 40 no. 10:32 O '63.

TUGCHAY VALLEY—POPLAR

New find of a relict poplar-turanga in Azerbaijan. L. I. Prilipko, A. I. Mailov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 6:3-14 '63.

TULA PROVINCE—RUSSIAN LITERATURE—HISTORY AND CRITICISM

Milonov, N. A. [Writers of Tula region; sketches on its literary history] Pisateli Tul'skogo kraia; ocherki po literaturnomu kraevedeniiu. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 309 p.

TULA PROVINCE—SOILS

Ratnikov, A. I. [Soils in the upper reaches of the Oka and the Don Rivers] Pochvy verkhov'ev Oki i Dona. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 168 p.

TULAREMIA
(see also subdivision under Krasnodar Territory)

Biological activity of skin tularin at various periods after preparation [with summary in English]. G. P. Uglovoi. Zhur. mikrobiol., epid. i immun. 40 no. 4: 128-131 Ap '63.

Paleogenesis of the natural foci of tularemia [with summary in English]. N. G. Olsuf'ev. Zool. zhur. 43 no. 3:355-370 '64.

TULAREMIA—MICROBIOLOGY

Detection of plague and tularemia infection in rodents [with summary in English]. R. Kh. IAfaev. Zhur. mikrobiol., epid. i immun. 40 no. 9:93-96 S '63.

TULAREMIA—PREVENTIVE INOCULATION see subdivision under Tselinograd Province

TULIP TREE

Decorative forms of the tulip tree and their biological characteristics. O. T. Istratova. Biul. Glav. bot. sada no. 48:42-47 '63.

TUMORS

Gas-discharge radiation counters for the diagnosis of tumors in cavities and tissues [with summary in English]. A. I. Filatov. Med. rad. 8 no. 5:65-70 My '63.

Genetics of tumor cells [with summary in English]. IU. M. Olenov. Izv. AN SSSR. Ser. biol. no. 2:180-200 Mr-Ap '63.

TUMORS—TRANSPLANTATION

Growth energy of Guerin's carcinoma transplanted in a rat. R. M. Ikramova. Nauch. trudy SamMI 21:126-127 '62.

TUNGSTEN

Phase analysis of tungsten and tungsten carbide materials. L. A. Mashkovich, A. F. Kutelnikov, T. P. Maslova. Zav. lab. 30 no. 5:522-524 '64.

TUNGSTEN (Continued)

Using a [illegible] for [illegible] [illegible] Tr. [illegible] [illegible]

TUNGSTEN—ANALYSIS

[illegible]

TUNGSTEN—PHYSIOLOGICAL EFFECT

Effect of [illegible] on the lungs of white rats. [illegible]

TUNGSTEN—[illegible]

[illegible]

TUNGSTEN CARBIDES

[illegible]

TUNGSTEN RHENIUM ALLOYS—THERMAL PROPERTIES

[illegible] stability of [illegible] tungsten-rhenium alloys at high temperatures. [illegible]

TUNISIA

(see also subdivision under [illegible] Valley; [illegible] Valley)

[illegible]

TUNGUSKA, PODKAMENNAYA VALLEY see **The** [illegible] **Valley**

TUNGUSKA BASIN—GAS, NATURAL—[illegible]

[illegible]

TUNGUSKA BASIN—PETROLEUM GEOLOGY

[illegible]

TUNISIA—AGRICULTURE—ECONOMIC ASPECTS

[illegible]

TUNISIA—LAND TENURE

[illegible]

TUNNEL LINING

[illegible]

TUNNELING

(see also subdivision under [illegible])

[illegible]

[illegible]

[illegible]

[illegible]

TUNNELING—EQUIPMENT AND SUPPLIES

Investigation of a [illegible] for use as a tunneling shield with a few [illegible] [illegible] Trudy [illegible]

TUNNELS see subdivision under **Austria**, **Moscow**

TUNNELS—DESIGN AND CONSTRUCTION

Construction of the first railroad tunnels in Russia. A.A. [illegible] Transp. stroi. 11 no.11:76-78 N '61.

Necessary and useful tunnels. [illegible] Transp. stroi. 11 no.11:79-78 N '61.

TURAN LOWLAND—GEOGRAPHY

Geography of dry land and [illegible] of the [illegible] [with summary in English]. [illegible] '61.

TURBINES

Control system of a [illegible] turbine and some special features of its adjustment. [illegible] Teploenergetika 11 no.[illegible] Je '64.

Determination of the cavitation of the prong of the blade root connection of the intermediate dovetail turbine blades in the modified [illegible] region. [illegible] Energomashinostroenie [illegible] Mr '63.

Development of defects in the metal of thermal power equipment during its operation. [illegible] Energeticheskoe stroitel'stvo [illegible] '63.

Effect of [illegible] to the flow on the characteristics of nozzle lattices. [illegible] Teploenergetika 11 no.5:[illegible] My '64.

Fifth year of the seven-year plan and problems confronting the workers of the power machinery industry. Energomashinostroenie [illegible] '63.

Investigating a [illegible] turbine with few blades and large [illegible] '64.

[illegible] of a rotating disk. [illegible] '63.

Special features in the construction of a thrust bearing [illegible] experience in its operation. [illegible] Teploenergetika 11 no.[illegible] My '64.

TURBINES—AIRCRAFT

[Turbine manufacture] Ref. zhur., Turbostr. no.5 My '64

TURBINES—TESTING

[illegible] Teploenergetika 11 no.[illegible] '64.

TURBOBORERS

[illegible]

[illegible]

TURBODRILLS—TESTING

[illegible] '63.

TURBOGENERATORS

[illegible]

Effect of [illegible] on the dynamic stability of the system. [illegible]

Testing of a [illegible] hydrogenerator thrust bearing. [illegible] Elektricheskie stantsii [illegible]

[illegible]

TURBOMACHINES

[illegible]

TURBOMACHINES—PATENTS

[illegible]

TURBULENCE

(see also subdivision under **Atlantic Ocean**)

[illegible]

Measuring the turbulent [illegible] [illegible]

[illegible] method for measuring [illegible] '63

[illegible] of the [illegible] theory in solving the turbulence problem. [illegible]

TURCHIN, STEPAN PETROVICH

He saved the collective farmers. [illegible] Sov. voin [illegible] '61.

TURGAY GATES—ENGINEERING GEOLOGY

Conclusions from the viewpoint of engineering geology in the Turgay trough. [illegible] Trudy VSEGINGEO no.[illegible] '63.

TURGAY GATES—PALYNOLOGY

Spore-pollen complexes of Lower Paleozoic marine sediments in the northern Ural Mountain region and in the central part of the Turgay Depression. [illegible] Dokl. AN SSSR 139 no.[illegible] Jl '61.

TURIN—RAILROADS, SINGLE-RAIL

Monorail in Turin. A.G. [illegible] Ref. [illegible] '63.

TURKESTAN—ECONOMIC CONDITIONS

The Party Organization of Turkestan in the struggle for the restoration of the national economy. A. Bilov. Part. zhizn' [illegible] no.4:[illegible] Ap '63.

TURKESTAN—SOILS

Results of S.S. Neustruev's soil expedition in 1908–1914. Z.N. [illegible] Nauch. trudy TashGU no.[illegible] Geograficheskie nauki no.[illegible] '64.

TURKEY—ARMENIAN LANGUAGE—DIALECTS

On the [illegible] dialect [in Armenian with summary in Russian]. A.A. [illegible] Ist.-filol. zhur. no.[illegible] 174 '64.

TURKEY—CAPITALISM

Once more about the specific nature of the development of capitalism in Turkey. [illegible] Nar. Az. i Afr. no.[illegible] '64.

TURKEY—FOREIGN RELATIONS—GERMANY, WEST

West German militarists against the Cypriots. [illegible] Az. i Afr. segodnia [illegible] My '64

TURKEY—HISTORIOGRAPHY

Some remarks on the new general course in Turkish history. [illegible] Nar. Az. i Afr. no.[illegible] '64.

TURKEY—INVESTMENTS, WEST GERMAN

"Expansion of West German monopolies in Turkey by [illegible] Nar. Az. i Afr. no.[illegible] '64.

TURKEY—STATISTICS, MEDICAL

[illegible] figures. [illegible] Az. i Afr. segodnia [illegible] My '64

TURKIC LANGUAGES—DIALECTS

Dialectological atlas of the Turkic languages of the Soviet Union. [illegible] '63.

TURKIC PHILOLOGY see subdivision under **Hungary**

TURKMEN LANGUAGE—DICTIONARIES

[illegible] of dictionaries. [illegible] '63.

TURKMEN POETRY—HISTORY AND CRITICISM

"[illegible]" [illegible] Nar. Az. i Afr. no.[illegible] '64.

TURKMENISTAN—AGRICULTURAL RESEARCH

[illegible] Turkmenistan. [illegible] '62.

TURKMENISTAN—AGRICULTURE

Great possibilities of the collective and state farms of Turkmenistan. [illegible] Nar. khoz. Sred. Az. [illegible] My '61.

TURKMENISTAN—ALHAGI

[illegible] composition of Alhagi [illegible] Izv. AN Turk. SSR. Ser. [illegible] '61.

TURKMENISTAN—AMPHIBIA

Study of the [illegible] of Turkmenia. [illegible] '63

TURKMENISTAN—CATTLE—FEEDING AND FEEDS

Effect of mixed feeds containing [illegible] cottonseed meal on the growth and fattening values of young cattle. [illegible] Izv. AN Turk. SSR. Ser. [illegible] no.[illegible] '63.

TURKMENISTAN—CERAMIC INDUSTRIES

History of ceramics production in Southern Turkmenistan. [illegible] Sov. [illegible] no.[illegible] '64.

TURKMENISTAN—COLLECTIVE FARMS

Significance of the reorganization of machine-tractor stations for further development of the collective farm system in Turkmenistan. D.G. [illegible] Trudy Turk. sel'khoz. inst. 11 no.[illegible] '62.

TURKMENISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Work of the historians engaged in writing the history of the Communist Party of Turkmenistan. [illegible] Vop. ist. KPSS [illegible] no.4:[illegible] Ap '61.

TURKMENISTAN—COTTON GROWING

Planning of cotton growing in Turkmenistan is at variance with economics. [illegible] Nar. khoz. Sred. Az. [illegible] no.[illegible] Ap '61.

TURKMENISTAN—COTTONSEED MEAL AS FEED

Effect of mixed feeds containing [illegible] cottonseed meal on the growth and fattening values of young cattle. [illegible] Izv. AN Turk. SSR. Ser. [illegible] no.[illegible] '63.

TURKMENISTAN—DYSENTERY

Results of the decrease of dysentery incidence on sections of the Ashkhabad Railroad. O. N. Kulieva. Zdrav. Turk. 8 no. 1:23-27 Ja '64.

TURKMENISTAN—ECONOMIC CONDITIONS

Results of the second five-year plan and their significance for the further strengthening of the union between workers and farmers. M. B. Niiazberdyev. Trudy Turk. sel'khoz. inst. 11 no. 2:145-154 '62.

TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Subdivision principles of Quaternary deposits in southern Uzbekistan and the adjacent territories of Turkmenistan. O. IU. Poslavskaia. Nauch. trudy TashGU no. 213. Geog. nauki no. 24:38-45 '63.

TURKMENISTAN—GEOLOGY, STRUCTURAL

Structure of the eastern part of the northern Balkhan Trough. A. U. Zakhidov, E. I. Ptushkin, K. V. Tiunov. Neftegaz. geol. i geofiz. no. 12:19-23 '63.

TURKMENISTAN—GYPSOPHILA

Biological characteristics of seed germination in Gypsophila aretioides. V. N. Nikitina. Trudy Turk. sel'khoz. inst. 11 no. 2:77-80 '62.

TURKMENISTAN—IRRIGATION

Changes in the precipitation following the total utilization of the Amu Darya waters for irrigation purposes. K. V. Kovshinova. Izv. AN SSSR. Ser. geog. no. 2:45-49 Mr-Ap '64.

TURKMENISTAN—LABOR AND LABORING CLASSES

Results of the second five-year plan and their significance for the further strengthening of the union between workers and farmers. M. B. Niiazberdyev. Trudy Turk. sel'khoz. inst. 11 no. 2:145-154 '62.

TURKMENISTAN—LANDSCAPE GARDENING

Trees and shrubs of the family Leguminosae in the landscaping of settlements of the Turkmen S.S.R. I.S. Gaevskaia. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:29-33 '63.

TURKMENISTAN—LEGUMINOSAE

Trees and shrubs of the family Leguminosae in the landscaping of settlements of the Turkmen S.S.R. I.S. Gaevskaia. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:29-33 '63.

TURKMENISTAN—MITES

Gamasid mites (Parasitiformes, Gamasoidea) in southeastern Turkmenia. M.A. Meledzhaeva. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:81-83 '63.

TURKMENISTAN—ORIENTAL STUDIES

Activities of the Oriental Studies Section of the Institute of History, Archaeology and Ethnography of the Academy of Sciences of the Turkmen S.S.R. Kh. A. Ataev. Nar. Az. i Afr. no. 3:211-212 '64.

TURKMENISTAN—OWLS

Materials on the food habits of the long-eared owl. M. Karaev. Trudy Turk. sel'khoz. inst. 11 no. 2:109-111 '62.

TURKMENISTAN—PALEONTOLOGY, STRATIGRAPHIC

Comparison of Upper Jurassic sediments in Daghestan and western Turkmenia [with summary in English]. B. G. Piriatinskii. Vest. LGU 19 no. 6:36-46 '64.

TURKMENISTAN—PARASITES—UNGULATA

Helminths of solidungulates of Turkmenia. V. V. Kibakin. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:85-86 '63.

TURKMENISTAN—PASTURES AND MEADOWS

Forecast of the yield of ephemeral forage plants in the desert pastures of Turkmenistan based on the depth of moisture penetration in soil. N.T. Nechaeva, N.A. Mordvinov. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:15-18 '63.

Nutritive value of basic grazing crops of the Turkmen S.S.R. I.A. Ermakova, G.D. Mikheev. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:3-14 '63.

TURKMENISTAN—PETROLEUM PRODUCTION

Ostrovskii, IA. M. [Controlling the sanding up of oil wells in the oil fields of Turkmenistan] Bor'ba s probkoobrazovaniem v neftianykh skvazhinakh na mestorozhdeniiakh Turkmenii. Ashkhabad, Turkmengosizdat, 1963. 48 p.

TURKMENISTAN—PHYSICAL EDUCATION AND TRAINING

Planning the year-round training of the junior-class light athletes in the institutions of higher learning of Turkmenistan. V. A. Belenitskii. Trudy Turk. sel'khoz. inst. 11 no. 2:161-165 '62.

TURKMENISTAN—POLITICS AND GOVERNMENT

Krevakikh, E. G. [Toward communist self-government; from the practice of the Communist Party of Turkmenistan] K kommunisticheskomu samoupravleniiu; iz opyta raboty Kommunisticheskoi partii Turkmenistana. Ashkhabad, Turkmengosizdat, 1963. 137 p.

Turkmen S. S. R. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Turkmen S. S. R., first session, March 26, 1963. Verbatim report] Turkmenistan SSR altynzhy chagyrylysh Ekary Sovetinin mezhlisleri, birinzhi sessiia (1963-nzhi iylyn 26-nzhi marty). Stenografik khasabat. Ashgabat, Türkmendovletneshir, 1963. 193 p. In Turkmen and Russian

TURKMENISTAN—PUBLIC HEALTH

Conference of the active members of the medical personnel of the Turkmen S. S. R. Zdrav. Turk. 7 no. 12:10-16 D '63.

Medical care of the population must be continuously improved. N. Annamuradov. Zdrav. Turk. 7 no. 12:3-9 D '63.

TURKMENISTAN—REPAIR AND SUPPLY STÁTIONS

Significance of the reorganization of machine-tractor stations for further development of the collective farm system in Turkmenistan. D. G. Abdullaev. Trudy Turk. sel'khoz. inst. 11 no. 2:137-143 '62.

TURKMENISTAN—REPTILES

"Reptiles of Turkmenia" by O. P. Bogdanov. Reviewed by I.S. Darevskii. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:87-89 '63.

TURKMENISTAN—ROOT CROPS

Forage root crops in the Turkmen S.S.R. S.O. Ovezmuradov. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:42-51 '63.

TURKMENISTAN—SAND DUNES

Calculation of the movement of barchans based on data of meteorological stations. L.G. Dobrin. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:64-66 '63.

TURKMENISTAN—SERICULTURE—EQUIPMENT AND SUPPLIES

Use of herbaceous cocoon stands in the sericulture of Turkmenistan. N. N. Kariagdyev. Trudy Turk. sel'khoz. inst. 11 no. 2:81-83 '62.

TURKMENISTAN—SOIL MOISTURE

Forecast of the yield of ephemeral forage plants in the desert pastures of Turkmenistan based on the depth of moisture penetration in soil. N. T. Nechaeva, N.A. Mordvinov. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:15-18 '63.

TURKMENISTAN—SURGICAL SOCIETIES

In the Scientific Society of Surgeons of the Republic. Zdrav. Turk. 8 no. 1:46-47 Ja '64.

TURKMENISTAN—VETERINARY MEDICINE—CONGRESSES

All-Union scientific conference dedicated to the 90th anniversary of the Kazan Veterinary Institute. V.V. Kibakin. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:94 '63.

TURKMENISTAN—WINDS

"Garmsil's" in Turkmenia. V. N. IUrnasova, A. M. Koshenko, V. A. Bezuglova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 8:109-124 '63.

TURKMENISTAN—WORMS, INTESTINAL AND PARASITIC

Helminths of solidungulates of Turkmenia. V. V. Kibakin. Izv. AN Turk. SSR. Ser. biol. nauk no. 6:85-86 '63.

TURNING

Machining of large curvilinear surfaces on a lathe. M. Z. Farberov. Energomashinostroenie 9 no. 3:29 Mr '63.

TURNING—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Alma-Ata)

Lathe operator and innovator. A. Dmitrienko. Avt. transp. 42 no. 4:10-11 Ap '64.

TURPENTINING

Nauchno-tekhnicheskoe obshchestvo lesnoi promyshlennosti i lesnogo khoziaistva. Irkutskoe oblastnoe pravlenie. [Manual for a master tapper] Rukovodstvo masteru podsochki. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 140 p.

[DNAL MICROFILM]

TUVA A. S. S. R.—HORSEFLIES

Horseflies (Diptera, Tabanidae) of Tuva. N. A. Violovich. Trudy Biol. inst. Sib. otd. AN SSSR no. 10:185-190 '63.

TUVA A.S.S.R.—PALEOBOTANY, STRATIGRAPHIC

Paleobotanic materials on the stratigraphy of Jurassic coal-bearing sediments in Tuva. IU. V. Teslenko, N. K. Mogucheva. Dokl. AN SSSR 155 no. 4:822-825 Ap '64.

TUVA A. S. S. R.—ROCKS, IGNEOUS

Dugdu alkali intrusion (eastern Tuva). E. L. Butakova. Trudy VSEGEI 98:15-31 '63.

TVER' GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY—BIBLIOGRAPHY

Kalinin. Oblastnaia biblioteka. Bibliograficheskii otdel. [From the history of the Kalinin Province Party organization; an index of recommended literature] Iz istorii Kalininskoi oblastnoi partiinoi organizatsii; rekomendatel'nyi ukazatel' literatury. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 31 p.
(CSt-H)

2, 4-D

Abnormalities in plants caused by the herbicide 2, 4-D. V. A. Alabushev. Nauch. dokl. vys. shkoly; biol. nauki no. 2:142-145 '64.

Method of determining 2, 4-dichlorophenoxyacetic acid in plant tissues. M. T. Gagarina. Khim. v sel'. khoz. 2 no. 3:30-32 Mr '64.

Time and rates of the use of 2, 4-D arboricide against shrub vegetation. E. V. Savina. Trudy Kras. NII [illegible] 1:153-155 '62.

Variable reaction of monocotyledon and dicotyledon plants to 2, 4-D. M. I. Gagarina. Khim. v sel'. khoz. 2 no. 3:32-34 Mr '64.

TYMPANAL ORGAN—WOUNDS AND INJURIES

Healing of experimental fractures of the stapes [with summary in English]. E. A. Evdoshchenko. Zhur. ush., nos. i gorl. bol. 23 no. 6:41-51 N-D '63.

TYPHOID FEVER

Clinicopathogenic characteristics of typhoid fever in children [with summary in English]. M. N. [illegible] Vop. okh. mat. i det. 7 no. 6:48-52 Je '62.

Reactive properties of the nervous elements of striated human muscles in typhoid fever. Z. Kh. Rakhmatullis, A. T. Tilliaev. Nauch. trudy SamMI 21:76-83 '62.

Treatment of experimental typhoid fever in white mice with syntomycin. L. P. Guseva. Sbor. nauch. rab. Arkh. IEMG no. 4:33-36 '60.

TYPHOID FEVER—PREVENTIVE INOCULATION

Cytologic study of the process of recovery in animals immunized by Vi antigen and infected by virulent typhoid fever bacilli. Report No. 2 [with summary in English]. M. P. Pokrovskaia and others. Zhur. mikrobiol., epid. i immun. 40 no. 9:79-83 S '63.

TYUMEN'—INTELLECTUAL LIFE

Tyumen. Pedagogicheskii institut. Kafedra literatury. [Literary Tyumen'; an aid to literature teachers] Tiumen' literaturnaia; v pomoshch' uchiteliu-slovesniku. Tiumen', 1963. 71 p.

[MICROFILM]

TYUNG VALLEY—PALEOGEOGRAPHY

Paleogeography of the Markha and Tyung interfluve in the Cenozoic as related to the history of the formation of diamond placers (Eastern Siberia). M. I. [illegible] and others. Trudy VSEGEI 90:91-96 '63.

TYUYABUGUZ RESERVOIR—DAMS

Work production in the strengthening of the upstream slope of the dam of the Tyuyabuguz Reservoir. A. [illegible] Kosyrev. Vop. gidr. no. 11:76-81 '63.

UCH-KIZIL RESERVOIR—EVAPORATION (METEOROLOGY)

Evaporation from the surface of the Uch-Kizil Reservoir. B. E. Mil'kis, L. P. Mogil'nikov, M. S. [illegible] Vop. gidr. no. 11:83-86 '63.

UDA VALLEY (BURYAT A.S.S.R.)—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Rampilova, M. A., and N. S. Khrebtov. [Effectiveness of mineral fertilizers in the irrigated meadows of the Buryat A. S. S. R.] Ob effektivnosti mineral'nykh udobrenii na oroshaemykh lugakh Buriatskoi ASSR. Ulan-Ude, Akad. nauk SSSR, 1960. 136 p.
(DNAL)

UDDER—INNERVATION

Reflex interrelationships between the activity of the digestive system and mammary glands in lactating animals. K. T. Tashenov. Trudy Inst. fiziol. AN Kazakh. SSR 6:59-73 '63.

Reflex regulation of milk secretion in sheep. Kh. [illegible]bin. Trudy Inst. fiziol. AN Kazakh. SSR 6:113-121 '63.

UDMURT A. S. S. R.—GEOLOGY, STRUCTURAL

Subsurface structure of the crystalline basement of Udmurtia and northwestern Tatarstan based on the interpretation data of geomagnetic field anomalies. I. M. Urazaev. Izv. AN SSSR. Ser. geol. 29 no. 5:42-55 My '64.

UDMURT A. S. S. R.—HISTORIOGRAPHY

Visiting the historians of the Udmurt A. S. S. R. A. A. Aleksandrov, N. P. Pavlov, B. G. Plushchevskii. Ist. SSSR 8 no. 2:227-228 Mr-Ap '64.

UDMURT A. S. S. R.—TRADE UNIONS

More on attention and sensitiveness. Sov. profsoiuzy 20 no. 8:13 Ap '64.

UGRIANS—DWELLINGS see subdivision under Ob' Valley

UKRAINA, LESIA, 1871-1913

Dramaturgy of a great poetess. O. Diachenko. Mystetstvo 10 no. 6:30 N-D '63.

UKRAINE—AGRICULTURAL IMPLEMENTS

Develop implements for scarifying soils of any density. N. Kinsh. Zemledelie 26 no. 1:86-87 Ja '64.

UKRAINE—AGRICULTURAL MACHINERY

Machines perform highly efficiently. V. M. Kravchenko. Mekh. sil'. hosp. 15 no. 2:29-30 F '64.

UKRAINE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Each machine should be provided with a technical certificate. I. IA. Panchenko. Mekh. sil'. hosp. 15 no. 2: 31 F '64.

Final accounting of the work in overall machinery maintenance. V. S. Dubrovin. Mekh. sil'. hosp. 15 no. 2: 22-23 F '64.

Make extensive use of pneumatic instruments. I. M. Storchak. Mekh. sil'. hosp. 15 no. 2:16-17 F '64.

UKRAINE—AGRICULTURAL MACHINERY—STUDY AND TEACHING

Training machinery operators is an important national economic task. M. M. Kozyriev. Mekh. sil'. hosp. 15 no. 2:4-5 F '64.

UKRAINE—AGRICULTURE

In the busy May days. Mekh. sil'. hosp. 15 no. 5:1-2 My '64.

Toward the Plenum of the Central Committee of the CPSU. Mekh. sil'. hosp. 15 no. 2:2-3 F '64.

UKRAINE—ALGAE

Occurrence of blue-green algae in the lakes of the Ukrainian S. S. R. [with summary in English]. N. V. Kondrat'ieva. Ukr. bot. zhur. 21 no. 2;95-103 '64.

UKRAINE—AMATEUR THEATRICALS

Assisting amateur theaters. Mystetstvo 10 no. 5:34 S-O '63.

Assisting amateur theaters. Mystetstvo 10 no. 6:35 N-D '63.

UKRAINE—ARTIFICIAL INSEMINATION—EQUIPMENT AND SUPPLIES

Stations for artificial insemination of pigs. O. Kvasnyts'kyi. Sil'. bud. 13 no. 1;10-12 Ja '63.

UKRAINE—BARLEY

Liquid silicate bacteria preparation for winter barley [with summary in English]. V. H. Aleksandrov, M. I. Ternovs'ka. Mikrobiol. zhur. 25 no. 1;8-10 '63.

Winter barley in the southern Ukraine. V. N. Senlivyi. Zemledelie 26 no. 1;70 Ja '64.

UKRAINE—BIONICS

Present state and future development of scientific research on bionics in the Ukrainian S. S. R. Dop. AN URSR no. 4;554-555 '64.

UKRAINE—BIRDS

Strautman, F. I. [Birds of the western provinces of the Ukrainian S. S. R.] Ptitsy zapadnykh oblastei USSR. L'vov, Izd-vo L'vovskogo univ.
Vol. 2. 1963. 181 p.

UKRAINE—BOTANICAL GARDENS

Council on Botanical Gardens of the Ukrainian S. S. R. and Moldavian S. S. R. E. N. Kondratiuk, S. N. Prikhod'ko. Biul. Glav. bot. sada no. 48:122-124 '63.

UKRAINE—BOTANICAL RESEARCH

Research activities of the Botanical Institute of the Academy of Sciences of the Ukrainian S. S. R. in 1963. IE. H. Kopachevs'ka. Ukr. bot. zhur. 21 no. 2;100-110 '64.

Some tasks of botany at the present stage. Ukr. bot. zhur. 21 no. 2;3-6 '64.

UKRAINE—BRICKS

Prepare in advance for the reconstruction of seasonal enterprises. IA. Loievs'kyi. Sil'. bud. 13 no. 1: 21 Ja '63.

UKRAINE—BUILDING—TECHNOLOGICAL INNOVATIONS

New developments in the production of building materials and equipment. Sil'. bud. 13 no. 1;22 Ja '63.

UKRAINE—BUILDING MATERIALS

Soil silicates are universal building materials. V. Hlukhovs'kyi. Sil'. bud. 13 no. 4;18-19 Ap '63.

UKRAINE—BUILDING MATERIALS PLANTS

Wasted efforts. H. Semenko. Sil'. bud. 13 no. 4;23 Ap '63.

UKRAINE—CANNERIES—DESIGN AND CONSTRUCTION

Designing canning factories for collective farms. F. Chubariov. Sil'. bud. 13 no. 1;15-17 Ja '63.

UKRAINE—CHEMICAL INDUSTRIES

Initiative has been supported. S. Zaslavskii. NTO 6 no. 4;9-10 Ap '64.

Supply the chemical industry with modern reliable instruments and the means of automation in good time. Avtom. i prib. no. 1;3-4 Ja-Mr '64.

UKRAINE—CHEMICAL MACHINERY

Tasks of chemical machinery manufacturing in 1964-1965. D. Poliakov. Ekon. Rad. Ukr. no. 2;32-36 Mr-Ap '64.

UKRAINE—CHILDREN AS ARTISTS

[Works of young people; artistic works of students of the Ukrainian S. S. R.] Tvorchist' iunykh; zbirka khudozhnikh tvoriv uchniv shkil Ukrains'koi RSR. Kyiv, Derzh. vyd-vo dytiach. lit-ry, 1961. 91 p.
(NSyU)

UKRAINE—CHILDREN AS AUTHORS

[Works of young people; artistic works of students of the Ukrainian S. S. R.] Tvorchist' iunykh; zbirka khudozhnikh tvoriv uchniv shkil Ukrains'koi RSR. Kyiv, Derzh. vyd-vo dytiach. lit-ry, 1961. 91 p.
(NSyU)

UKRAINE—CHILDREN AS MUSICIANS

[Works of young people; artistic works of students of the Ukrainian S. S. R.] Tvorchist' iunykh; zbirka khudozhnikh tvoriv uchniv shkil Ukrains'koi RSR. Kyiv, Derzh. vyd-vo dytiach. lit-ry, 1961. 91 p.
(NSyU)

UKRAINE—COAL MINES AND MINING

Practices of the "Khatsepetovskaia-Zapadnaia" Mine with filling of drawn stopes. N. G. Petukhov, V. F. Kuzichev. Ugol' 38 no. 12;9-11 D '63.

UKRAINE—COLLECTIVE FARMS

Collective farms need agrochemical laboratories. H. Nazarov. Ekon. Rad. Ukr. no. 2;94-95 Mr-Ap '64.

Polyns'kyi, P. [Collective-farm democracy under new conditions] Kolhospna demokratiia v novykh umovakh. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1962. 200 p.
(NN)

Winners in socialist competition. Sil'. bud. 13 no. 4;21 Ap '63.

UKRAINE—COMMUNIST EDUCATION

Measures for carrying out the resolutions of the June Plenum of the Central Committee of the Communist Party of the Soviet Union and the July Plenum of the Central Committee of the Communist Party of the Ukraine on the problems of ideological work. Dop. AN URSR no. 3;416 '64.

UKRAINE—COMMUNITY AND SCHOOL

Council on production and education. F. Oks'on. Shkola i proizv. 6 no. 3;93 Mr '64.

UKRAINE—CONSTRUCTION INDUSTRY—CONGRESSES

Ukrainian conference on rural construction. Sil'. bud. 13 no. 4;22 Ap '63.

UKRAINE—COPEPODA

New copepods in the Ukraine: Parastenocaris brevipes and Epactophanes richardi [with summary in English]. V. I. Monchenko. Dop. AN URSR no. 4:545-549 '64.

UKRAINE—CORDIERITE

Origin of cordierite granites, the Berdichev "granite" in Ukraine. IU. Ir. Polovinkina. Trudy VSEGEI 98: 174-193 '63.

UKRAINE—CORN (MAIZE)

Experiments in the wide row precision sowing of corn. A. O. Dokuchaiev, IE. O. Pysnako, F. A. Kudlai. Mekh. sil'. hosp. 15 no. 5:7-8 My '64.

UKRAINE—COSTS, INDUSTRIAL

Procedure for calculating the cost of production in an industrial enterprise. M. Darahan, L. Savenko. Ekon. Rad. Ukr. no. 2;76-79 Mr-Ap '64.

UKRAINE—CULTURE

Brief news. Mystetstvo 10 no. 5:36-40 S-O '63.

Brief news. Mystetstvo 10 no. 6:36-40 N-D '63.

UKRAINE—DAIRY CATTLE BREEDING

Problems of improving the quality of milk in brown cow hybrids. N. A. Horski and others. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1;99-102 '64.

UKRAINE—DIET IN DISEASE—CONGRESSES

First Ukrainian conference on therapeutic and prophylactic nutrition. V. G. Saratovskii, L. K. Baikalov. Vop. pit. 21 no. 5;92-94 S-O '62.

UKRAINE—DRAINAGE—EQUIPMENT AND SUPPLIES

A manual on the mechanization of irrigation and drainage. V. IArovyi, V. Kachan. Mekh. sil'. hosp. 15 no. 5;17 My '64.

UKRAINE—EARTHS, MEDICAL AND SURGICAL USES OF

Fourth Ukrainian conference on problems of fangotherapy and the resources of medical earths. R. G. Karaev. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3:276-281 My-Je '63.

UKRAINE—ECONOMIC CONDITIONS

Akademiia nauk URSR, Kiev. Instytut istorii. [From the history of the socialist and communist building in the Ukraine, 1934-1961] Z istorii sotsialistychnoho i komunistychnoho budivnytstva na Ukraini, 1934-1961. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 186 p.
(InU)

The working class of the Ukraine in the struggle for the establishment of the foundations of the socialist economy, 1926-1932" by A. B. Slutskii. Reviewed by Z. K. Zvezdin. Ist. SSSR 8 no. 2:165-167 Mr-Ap '64.

UKRAINE—ECONOMIC POLICY

The most important tasks in developing the national economy of the Ukrainian S.S.R. A. Kochubei. Ekon. Rad. Ukr. no. 2;9-14 Mr-Ap '64.

UKRAINE—ECONOMIC ZONING

Formation of the Southern Regional Council of the National Economy, 1917-1918. V. S. Garekol, G. M. IUrilin. Ist. SSSR 8 no. 2:113-117 Mr-Ap '64.

UKRAINE—EDUCATION

Influence of T. H. Shevchenko on public education in the prerevolutionary period. M. P. Nizhyns'kyi. Rad. shk. 42 no. 2:63-71 F '64.

UKRAINE—ELECTRIFICATION

In the Technical Administration of the Ministry of Power Engineering and Electrification of the Ukrainian S. S. R. Energ. i elektrotekh. prom. no. 1:78 Ja-Mr '64.

UKRAINE—EUGLENIDAE

Euglenidae of some rivers of the forest-steppe part of the Ukraine [with summary in English]. Z. I. Asaul. Ukr. bot. zhur. 21 no. 2;104-108 '64.

UKRAINE—EVENING AND CONTINUATION SCHOOLS

Third Plenum of the Republic-Wide Trade-Union Committee. V. Moroz. Rad. shk. 42 no. 2:111-112 F '64.

UKRAINE—FAMILY

Ethnographic research on the family life of Ukrainian workers. M. T. Lomova. Mat. z etn. ta mystetstvoznav. no. 5;3-8 '59.

UKRAINE—FAMINES

Hryshko, V. I. [Moscow doesn't believe in tears; tragedy of the Ukraine in 1933 from the perspective of the 30-year period, 1933-1963] Moskva sl'ozam ne viryt'; tragediia Ukraini 1933 roku z perspektyvy 30-richchia, 1933-1963. New York, Vyd-vo Dobrus-u v SShA, 1963. 67 p.
(InU)

UKRAINE—FARM BUILDINGS

New standard designs of farm buildings. Sil'. bud. 13 no. 1;23 Ja '63.

UKRAINE—FARM BUILDINGS—DESIGN AND CONSTRUCTION

Construction and equipment for summer housing of cattle. IU. Koshyts'. Sil'. bud. 13 no. 4:7-9 Ap '63.

New standard designs of farm buildings. Sil'. bud. 13 no. 4;24 Ap '63.

UKRAINE—FARM MANAGEMENT

Labor organization on irrigated lands. V. Borovskii. Ekon. sel'khoz. 35 no. 4:74-77 Ap '64.

UKRAINE—FARM MECHANIZATION

Important factor in intensification. V. M. Hel'man. Mekh. sil'. hosp. 15 no. 5:18-19 My '64.

UKRAINE—FEEDING—EQUIPMENT AND SUPPLIES

Cowsheds with stationary feed dispensers. Z. Velyka, I. Huryn. Sil'. bud. 13 no. 1;5-6 Ja '63.

Using the TVK-80A feed distributor. IU. Serbin. Mekh. sil'. hosp. 15 no. 2;29 F '64.

UKRAINE—FERTILIZERS AND MANURES

Effectiveness of fertilizers in the irrigated lands in the southern Ukraine. I. M. Popova, A. G. Prishchepa, L. F. Kuz'ko. Zemledelie 26 no. 4;62-66 Ap '64.

UKRAINE—FIELD CROPS—FERTILIZERS AND MANURES

Effectiveness of fertilizers in the steppe of the Ukraine. I. K. Artiukhov. Zemledelie 26 no. 1:26-33 Ja '64.

UKRAINE—FINANCE

In the Collegium of the Ministry of Finance of the Ukrainian S. S. R. Fin. SSSR 38 no. 4:91-94 Ap '64.

UKRAINE—FIRES AND FIRE PREVENTION

For better work. I. Sencha. Pozh. delo no. 4;26 Ap '64.

UKRAINE—FISHPONDS

Mechanizing the building of ponds for fish culture. IU. A. Khymeryk. Mekh. sil'. hosp. 13 no. 10;17-18 O '62.

UKRAINE—GAS, NATURAL—PIPELINES

Operation of the Shebelinka-Ostrogozhsk gas pipeline in 1962-1963. A. M. Korolev. Gaz. delo no. 3;14-16 '64.

UKRAINE—GRAIN

Chemistry is a decisive means for increasing the production of grain in the Ukraine. L. Andrienko. Ekon. sel'khoz. 35 no. 3:9-17 Mr '64.

UKRAINE—GRANITE

Origin of [illegible] granites, the Berdichev "granite" in [illegible]. [illegible] Trudy VSEGEI 98: 174-[illegible]

UKRAINE—GYNECOLOGY

S"ezd akusherov-ginekologov Ukrainskoi SSR. 3d, Khar'kov, 1961. [Transactions of the Third Congress of Obstetricians and Gynecologists of the Ukrainian S. S. R.] Trudy. Kiev, Gosmedizdat, USSR 1962. 370 p.
(DNLM)

UKRAINE—HEALTH RESORTS, WATERING PLACES, ETC.

Problems concerning the use of health resort and physical factors at the Ukrainian republic conference on problems of rheumatic fever in children. F.E.Kurkudym, G.I. Shpil'berg. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:2[illegible]-2[illegible]7 My-Je '63.

UKRAINE—HISTORY

"Cultural development of the Ukraine in 1921-1925" by H.M.[illegible]. Reviewed by I.D.Remezovs'kyi, N.IU. Kostryts'ia. Dop.AN URSR no.3:420-421 '64.

Sliusarskii, A.G. [Social and economic development of the Sloboda Ukraine in the 17th to 18th centuries] Sotsial'no-ekonomicheskoe razvitie Slobozhanshchiny XVII—XVIIIvv. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1964. 459 p.

Solovey, Dmytro. [Annihilation of the Ukrainians, Russia's chief objective in the war of 1914; materials related to the history of the Ukraine in World War I] Vynyshchennia ukrainstva - osnovna meta Rosii u viini 1914 roku; materiialy do istorii Ukrainy za chasiv Pershoi Svitovoi viiny. Winnipeg, 1963. 70 p. (Biblioteka "Novoho Litopysu," no. 2) [English title: The Ukraine and Russian imperialism]

UKRAINE—HOPS—ECONOMIC ASPECTS

Economics of hop growing on the state farms of the Ukraine. R.Kulikovs'kyi. Ekon.Rad.Ukr. no.2:71-74 Mr-Ap '64.

UKRAINE—HYDRAULICS

Present state and future development of scientific research on problems of water chemistry and technology. Dop.AN URSR no.3:412-413 '64.

UKRAINE—INCOME

Necessary and useful book. D.Virnyk. Ekon.Rad.Ukr. no.2:112-116 Mr-Ap '64.

UKRAINE—INDUSTRIES

The most important tasks in developing the national economy of the Ukrainian S.S.R. A.Kochubei. Ekon.Rad.Ukr. no.2:3-14 Mr-Ap '64.

UKRAINE—IRRIGATION—EQUIPMENT AND SUPPLIES

A manual on the mechanization of irrigation and drainage. V.IArovyi, V.Kachan. Mekh.sil'.hosp. 15 no.5:17 My '64.

Mechanization of irrigation preparation work. V.V. Iziumov. Mekh.sil'.hosp. 15 no.2:10-11 F '64.

UKRAINE—IRRIGATION CANALS AND FLUMES

Machines for the construction of irrigation systems. IU.A.Khymeryk. Mekh.sil'.hosp. 15 no.5:15-16 My '64.

UKRAINE—IRRIGATION FARMING

Effectiveness of fertilizers in the irrigated lands in the southern Ukraine. I.M.Popova, A.G.Prishchepa, L.F.Kuz'ko. Zemledelie 26 no.4:62-66 Ap '64.

Herbicides on irrigated lands. A.K.Lysenko. Zashch. rast.ot vred.i bol. 9 no.4:18 '64.

Labor organization on irrigated lands. V.Borovskii. Ekon.sel'khoz. 35 no.4:74-77 Ap '64.

UKRAINE—KINDERGARTEN—METHODS AND MANUALS

Sheiko, M.K. [Outdoor games for kindergartners] Rukhlyvi ihry doshkil'nykiv. 2, dop. vyd. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1962. 251 p.
(NSyU)

UKRAINE—KINDERGARTENS

Standard designs for institutions of preschool education in rural areas. I.Korol', V.Svitko. Sil'.bud. 13 no.4: 12-15 Ap '63.

UKRAINE—LABOR AND LABORING CLASSES—BIBLIOGRAPHY

Literary sources of the history of the mode of life of Ukrainian workers in the pre-Soviet period. K.I. Mateiko. Mat.z etn.ta mystetstvoznav. no.5:42-63 '59.

UKRAINE—LABOR PRODUCTIVITY

The law of the economics of working time and putting it into practice in the building of communism. O.Nesterenko. Ekon.Rad.Ukr. no.2:15-23 Mr-Ap '64.

UKRAINE—LAND TENURE

"Social and economic conditions of the formation of the Ukrainian nationality; the attitude of the peasants and the revolutionary movements in the Ukraine in the 15th and the first half of the 16th century" by D.I. Myshko. Reviewed by L.V.Oliinyk. Dop.AN URSR no.2:281-283 '64.

UKRAINE—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Economic efficiency of automation in machinery manufacturing. P.Miroshnykov. Ekon.Rad.Ukr. no.2:37-42 Mr-Ap '64.

UKRAINE—MANGANESE ORES

Geochemistry of the Olegocene of the Southern Ukrainian manganese basin; distribution of Mn, Fe, P, CO_2 and Corg in Kharkovian sediments. I.M.Varentsov. Trudy GIN no.97:72-164 '63.

UKRAINE—MANUFACTURES

Fourth Report and Election Meeting of the Scientific and Technological Society of the Light Industry in the Ukraine. Leh.prom. no.4:92-93 O-D '63.

UKRAINE—MANURE SPREADER—LABOR PRODUCTIVITY

Establishing work norms for the placement of organic fertilizers. Kh.D.Pechonyi. Mekh.sil'.hosp. 13 no.10:20-22 O '62.

UKRAINE—MANUSCRIPTS, ARMENIAN

Armenian book printing in the Ukraine in the 17th century. IA.R.Dashkevich. Ist.-filol.zhur. no.4:115-129 '63.

UKRAINE—MILKING PARLORS

Using the "herringbone" milking system. B.M.Pankevych. Mekh.sil'.hosp. 15 no.5:27-28 My '64.

UKRAINE—MOSSES

Chromosome numbers of some leafy mosses from the Ukraine [with summary in English]. A.S.Lazarenko, O.I.Vysots'ka. Dop.AN URSR no.4:541-543 '64.

UKRAINE—MOTION PICTURES

In the studios of the Ukraine. N.A.Karpov. Sov.voin 44 no.23:36 D '62.

UKRAINE—MOTION PICTURES—SETTING AND SCENERY

The artistic film and the artist. V.Ahranov, Z.Fohel'. Mystetstvo 10 no.5:14-16 S-O '63.

UKRAINE—MOTION PICTURES IN ADVERTISING

More on motion-picture advertising. A.Markushevich. Sov.torg. 37 no.4:56-57 Ap '64.

UKRAINE—MOTORTRUCKS—MAINTENANCE AND REPAIR

Reconditioning cylinder heads using epoxy compounds. B.A.Lanhert, H.A.Kulyns'kyi. Mekh.sil'.hosp. 15 no.2:18-20 F '64.

UKRAINE—MOTORTRUCKS—PRODUCTION STANDARDS

Increasing the capacity of available motortrucks. M.I. Liushyn. Mekh.sil'.hosp. 13 no.10:19-20 O '62.

UKRAINE—NATURAL RESOURCES—CONGRESSES

Conference on utilizing the natural resources of the "left bank" Ukraine. A.A.Velichko. Izv.AN SSSR. Ser.geog. no.2:164-165 Mr-Ap '64.

UKRAINE—NURSERY SCHOOLS

Standard designs for institutions of preschool education in rural areas. I.Korol', V.Svitko. Sil'.bud. 13 no.4: 12-15 Ap '63.

UKRAINE—OBSTETRICS

S"ezd akusherov-ginekologov Ukrainskoi SSR. 3d, Khar'kov, 1961. [Transactions of the Third Congress of Obstetricians and Gynecologists of the Ukrainian S. S. R.] Trudy. Kiev, Gosmedizdat, USSR 1962. 370 p.
(DNLM)

UKRAINE—OPHTHALMOLOGY—CONGRESSES

Mezhoblastnaia nauchno-prakticheskaia konferentsiia oftal'mologov Kirovogradskoi, Krymskoi, Nikolaevskoi, Odesskoi i Khersonskoi oblastei, 1963. [Abstracts of reports delivered at the Interprovince Scientific and Practical Conference of Ophthalmologists of Kirovograd Province, the Crimea, Nikolayev, Odessa, and Kherson Provinces, 1963] Tezisy dokladov. [Odessa] Gos. med. izd-vo USSR [1963] 58 p.
[DNLM MICROFILM]

UKRAINE—PARASITES—FISHES

Materials on the parasitic Protozoa of fishes in the northern Donets basin. V.V.Slukhai. Dop.AN URSR no.3:408-411 '64.

UKRAINE—PEASANTRY

"Social and economic conditions of the formation of the Ukrainian nationality; the attitude of the peasants and the revolutionary movements in the Ukraine in the 15th and the first half of the 16th century" by D.I. Myshko. Reviewed by L.V.Oliinyk. Dop.AN URSR no.2:281-283 '64.

UKRAINE—PETROLEUM—OPTICAL PROPERTIES

Optical activity of Novo-Bitkov oils [with summary in English]. V.O.Kraiushkin. Dop.AN URSR no.4:5[illegible]-532 '64.

UKRAINE—PHARMACEUTICAL SOCIETIES

In the Ukrainian Scientific-Pharmaceutical Society. I.M.Gubskii, M.N.Bushkova, I.A.Minovich. Apt. delo 11 no.5:81-83 S-O '62.

UKRAINE—PHARMACISTS

Rott, A.V. [Legal principles of the work of medical and pharmaceutical workers in the Ukraine] Pravovi osnovy pratsi medychnykh i farmatsevtychnykh pratsivnykiv Ukrainy. Kyiv, Derzh. med. vyd-vo URSR, 1958. 141 p.
(MH-L)

UKRAINE—PHYSICIANS

Rott, A.V. [Legal principles of the work of medical and pharmaceutical workers in the Ukraine] Pravovi osnovy pratsi medychnykh i farmatsevtychnykh pratsivnykiv Ukrainy. Kyiv, Derzh. med. vyd-vo URSR, 1958. 141 p.
(MH-L)

UKRAINE—PNEUMATIC TOOLS

Make extensive use of pneumatic instruments. I.M. Storchak. Mekh.sil'.hosp. 15 no.2:16-17 F '64.

UKRAINE—POLITICS AND GOVERNMENT

Hryshko, V.I. [Moscow doesn't believe in tears; tragedy of the Ukraine in 1933 from the perspective of the 30-year period, 1933-1963] Moskva sl'ozam ne vir[illegible]; tragediia Ukrainy 1933 roku z perspektyvy 30-richchia, 1933-1963. New York, Vyd-vo Dobrus-u v SShA, 1963. 67 p.
(InU)

Objectives of the Department of State and Law of the Academy of Sciences of the Ukrainian S.S.R. in dealing with the state and legal problems of the government of the Ukrainian S.S.R. Dop.AN URSR no.4:5[illegible] '64.

UKRAINE—POTATO HARVESTING MACHINERY

Progressive technology of potato production. [illegible] Nastenko. Mekh.sil'.hosp. 15 no.5:4-6 My '64.

UKRAINE—POWER ENGINEERING

In the Technical Administration of the Ministry of Power Engineering and Electrification of the Ukrainian S.S.R. Energ.i elektrotekh.prom. no.1:78 Ja-Mr '64.

Strive for further development and technological progress in power engineering in the Ukrainian S.S.R. Energ.i elektrotekh.prom. no.1:3-4 Ja-Mr '64.

UKRAINE—PRODUCTION ENGINEERING

Mechanization and automation of production processes in the national economy of the Ukrainian S.S.R. D.I. Poliakov. Mashinostroenie no.2:3-5 Mr-Ap '64.

UKRAINE—PROGRAMMED INSTRUCTION

Programmed instruction and the training of personnel for the national economy. IU.M.Dadenkov. Rad.shk. 42 no.2:31-36 F '64.

UKRAINE—PROTOZOA

Materials on the parasitic Protozoa of fishes in the northern Donets basin. V.V.Slukhai. Dop.AN URSR no.3:408-411 '64.

UKRAINE—PUMPING STATIONS

Pumping station. M.D.Los'. Mekh.sil'.hosp. 15 no.5:16-17 My '64.

UKRAINE—RESEARCH

All forces of Ukrainian science for the future of communism! B.IE.Paton. Dop.AN URSR no.4:428-435 '64.

UKRAINE—RESERVOIRS

Arsenic as an indicator of sanitary and hydrobiological conditions of the bodies of water in the steppe zone of the Ukraine. S.P.Fedii. Ryb.khoz. 40 no.3:18-19 '64.

UKRAINE—REVOLUTION, 1917-1921

Stunhur, H.K. [Tymofii Cherniak, hero of the civil war] Heroi hromadians'koi viiny Tymofii Cherniak. Kyiv, Derzh. vyd-vo polit. lit-ry, 1961. 134 p.
(NNC)

UKRAINE—ROAD CONSTRUCTION

Construction of local roads in rural regions. V.Sokolov. Sil'.bud. 13 no.1:13-16 Ja '63.

UKRAINE—RURAL CONSTRUCTION

In the State Committee on Construction of the Ukrainian Soviet Socialist Republic. Sil'.bud. 13 no.1:24 Ja '63.

UKRAINE—RURAL CONSTRUCTION—FINANCE

For a higher technical standard of rural construction and effectiveness of capital investments. Sil'.bud. 13 no.4:1-2 Ap '63.

UKRAINE—RURAL CONSTRUCTION—MANAGEMENT

For the correct organization of material and technical supply to interfarm construction organizations. Sil'. bud. 13 no. 1:1-2 Ja '63.

UKRAINE—RURAL CONSTRUCTION—PRODUCTION STANDARDS

For a higher technical standard of rural construction and effectiveness of capital investments. Sil'.bud. 13 no. 4:1-2 Ap '63.

UKRAINE—RUSSIAN SOCIAL DEMOCRATIC PARTY

From the history of V. I. Lenin's correspondence with the social democratic organizations in the Ukraine; 1901-1905. N. K. [illegible], M. I. Gorbunova. Vop. ist. KPSS 8 no. 5:35-46 My '64.

UKRAINE—SANDSTONE

Sandstones with thuringite from the Araucarites series (C_3) of the intermediate region of the Greater Donets trough. H. V. Karpova, E. P. Shev'iakova. Dop. AN URSR no. 3:369-372 '64.

UKRAINE—SEED PRODUCTION

Each farm should have its own seed. G. P. Kovalenko. Zemledelie 26 no. 1:72 Ja '64.

UKRAINE—SILICATES

Soil silicates are universal building materials. V. Hlukhovs'kyi. Sil'. bud. 13 no. 4:18-19 Ap '63.

UKRAINE—SMUTS

Hidden harmfulness of common bunt and its elimination in winter wheat fields. M. M. TSymbal. Agrobiologiia no. 5:733-737 S-O '63.

UKRAINE—SOCIAL LIFE AND CUSTOMS

Literary sources of the history of the mode of life of Ukrainian workers in the pre-Soviet period. K. I. Mateiko. Mat. z etn. ta mystetstvoznav. no. 5:42-63 '59.

UKRAINE—SPRINKLER IRRIGATION

Make efficient use of sprinkling units. I. F. Shtangel. Mekh. sil'. hosp. 15 no. 5:13-15 My '64.

UKRAINE—STATE FARMS—MANAGEMENT

Intensive specialization of state farm production is an important factor in increasing labor productivity and reducing the cost of production. I. Huba. Ekon. Rad. Ukr. no. 2:80-85 Mr-Ap '64.

UKRAINE—STATISTICS

Survey of the national economic development of the Ukrainian S.S.R. for 1963. Ekon. Rad. Ukr. no. 2: 120-128 Mr-Ap '64.

UKRAINE—STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

Order machinery for livestock farms properly. V. I. Moroz. Mekh. sil'. hosp. 15 no. 5:29-30 My '64.

UKRAINE—SUGAR BEETS—HARVESTING

About an efficient method of digging sugar beets. H. M. Hrianyk. Mekh. sil'. hosp. 13 no. 10:29-30 O '62.

UKRAINE—SWINE

Important method of improving the reproduction of swine. F. I. Ikocu. Vestsi AN BSSR. Ser. sel'hasp. nav. no. 1: 106-108 '64.

UKRAINE—SWINE—WATERING

Group waterers with floatless regulator. V. M. Hukalov, I. P. Zhernovyi. Mekh. sil'. hosp. 15 no. 2:27-28 F '64.

UKRAINE—SWINE BREEDING

Stations for artificial insemination of pigs. O. Kvasnyts'kyi. Sil'. bud. 13 no. 1:10-12 Ja '63.

UKRAINE—TEACHING MACHINES

Republic exhibition of teaching machines. V. IA. Ozhogin. Izv. vys. ucheb. zav.; radiotekh. 7 no. 1:127-128 Ja-F '64.

UKRAINE—TETRANYCHIDAE

Analysis of the fauna of harmful Tetranychidae (Acariformes, Tetranychoidea) in the steppe zone of the Ukraine [with summary in English]. I. A. Akimov. Dop. AN URSR no. 2:271-274 '64.

UKRAINE—THEATER

Justify the confidence of the party. Mystetstvo 10 no. 5: 1-2 S-O '63.

Stel'makh, V. M. [The path of the White Russian theater; from the history of Ukrainian-White Russian theatrical relations] Shliakhi bilorus'koho teatru; z istorii ukrains'ko-bilorus'kykh teatral'nykh zv'iazkiv. Kyiv, "Mystetstvo," 1964. 168 p.

UKRAINE—THURINGITE

Sandstones with thuringite from the Araucarites series (C_3) of the intermediate region of the Greater Donets trough. H. V. Karpova, E. P. Shev'iakova. Dop. AN URSR no. 3:369-372 '64.

UKRAINE—TILES

Prepare in advance for the reconstruction of seasonal enterprises. IA. Loievs'kyi. Sil'. bud. 13 no. 1: 21 Ja '63.

UKRAINE—TIME STUDY

The law of the economics of working time and putting it into practice in the building of communism. O. Nesterenko. Ekon. Rad. Ukr. no. 2:15-23 Mr-Ap '64.

UKRAINE—TRACTORS—MAINTENANCE AND REPAIR

New means for performing technical maintenance. IE. IE. Chudnovs'kyi, D. V. Il'nyts'kyi. Mekh. sil'. hosp. 15 no. 5:20-21 My '64.

UKRAINE—WATER—ANALYSIS

Present state and future development of scientific research on problems of water chemistry and technology. Dop. AN URSR no. 3:412-413 '64.

UKRAINE—WHEAT—ANALYSIS

Baking properties of the southern Ukraine strong wheats from the 1962 crop. N. V. TSysar'. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:18-20 '64.

UKRAINE—WHEAT—DISEASES AND PESTS

Hidden harmfulness of common bunt and its elimination in winter wheat fields. M. M. TSymbal. Agrobiologiia no. 5:733-737 S-O '63.

UKRAINE—WORLD WAR, 1939-1945

Tank armies in battles in the right-bank Ukraine. N. Andronikov. Voen.-ist. zhur. 6 no. 4:20-31 Ap '64.

UKRAINE, EASTERN—SEISMOLOGY

Results of seismic studies of the internal structure of the earth's crust within the eastern Ukraine. IU. B. Demidenko and others. Geofiz. sbor. no. 5:107-114 '63.

UKRAINE, WESTERN—COLLECTIVE FARMS

"Studies on the development of the collective farm system in the western provinces of the Ukrainian S. S. R." by M. K. Ivasiuta. Reviewed by I. V. Paluian. Vesti AN BSSR. Ser. hram. nav. no. 1:134-136 '64.

UKRAINE, WESTERN—HAND WEAVING

Ornament of the hand-woven fabrics in the western areas of the Ukraine of the 19th and early twentieth century. S. I. Sidorovych. Mat. z etn. ta mystetstvoznav. no. 5: 64-88 '59.

UKRAINE, WESTERN—METALWORK

Artistic metalwork in the western areas of the Ukraine from the 18th to the 19th century. P. M. Zholtovs'kyi. Mat. z etn. ta mystetstvoznav. no. 5:136-159 '59.

UKRAINIAN ART see Art, Ukrainian

UKRAINIAN DECORATION AND ORNAMENT see Decoration and ornament, Ukrainian

UKRAINIAN LANGUAGE—AFFIXES

Special prefixal system in Slavic languages as applied to Ukrainian Mosko Moskov. Pratsi Od. un. 152. Ser. filol. nauk no. 15:149-155 '62.

UKRAINIAN LANGUAGE—CASE

Forms of the singular dative-locative case ending in "-ovi" of Ukrainian nouns as compared with modern Slavic languages. S. P. Bevzenko. Prasti Od. un. 152. Ser. filol. nauk no. 15:142-148 '62.

UKRAINIAN LANGUAGE—CLAUSES

Determinative subordinate clauses in the "Third Register of the City of Piryatin" from the end of the 17th and beginning of the 18th century. IU. F. Kasim. Pratsi Od. un. 152. Ser. filol. nauk no. 15:156-158 '62.

UKRAINIAN LANGUAGE—COMPOUND WORDS

Formation of compound words in the poetry of T. H. Shevchenko. A. V. Maiboroda. Pratsi Od. un. 152. Ser. filol. nauk no. 15:61-72 '62.

UKRAINIAN LANGUAGE—HISTORY

Formation of the language of the Ukrainian people and nation. A. A. Moskalenko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:129-141 '62.

Origin of the Ukrainian written and written-literary language. A. A. Moskalenko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:97-111 '62.

UKRAINIAN LANGUAGE—NOUN

Forms of the singular dative-locative case ending in "-ovi" of Ukrainian nouns as compared with modern Slavic languages. S. P. Bevzenko. Prasti Od. un. 152. Ser. filol. nauk no. 15:142-148 '62.

UKRAINIAN LANGUAGE—PARTICIPLE

Syntactic functions of verbal adverbs and participial constructions in the Ukrainian poetry of T. H. Shevchenko. L. I. Kolomiiets'. Pratsi Od. un. 152. Ser. filol. nauk no. 15:33-43 '62.

UKRAINIAN LANGUAGE—STYLE

Language corrections made in various editions of poetry by T. H. Shevchenko. I. S. Oliinyk. Pratsi Od. un. 152 Ser. filol. nauk no. 15:20-32 '62.

Lesia Ukrainka, continuer of T. H. Shevchenko's language traditions. M. F. Boiko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:73-82 '62.

Sources for the mastery of language in Shevchenko's "The bard." F. P. Medvediev. Pratsi Od. un. 152. Ser. filol. nauk no. 15:5-19 '62.

UKRAINIAN LANGUAGE—SYNTAX

From the history of studies on Ukrainian syntax; "Grammar of the Slavonic-Russian language" by I. Mohyl'nyts'kyi. N. A. Moskalenko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:169-181 '62.

UKRAINIAN LANGUAGE—VOWELS

Some characteristics of vocalism in the poetic language of T. H. Shevchenko. M. A. Zhovtobriukh. Pratsi Od. un. 152. Ser. filol. nauk no. 15:44-60 '62.

UKRAINIAN LANGUAGE—WORD FORMATION

Formation of compound words in the poetry of T. H. Shevchenko. A. V. Maiboroda. Pratsi Od. un. 152. Ser. filol. nauk no. 15:61-72 '62.

UKRAINIAN LANGUAGE—WORDS

Characteristics of the vocabulary of Ukrainian official documents of the 17th century; decrees and command letters from the Hetman headquarters of Bohdan Chmielnicki. F. IE. Tkach. Pratsi Od. un. 152. Ser. filol. nauk no. 15:112-128 '62.

Enrichment of the lexicon of literary Ukrainian in the first half of the 19th century; up to the end of the 1850's. P. D. Tymoshenko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:83-96 '62.

UKRAINIAN LITERATURE—ADDRESSES, ESSAYS, LECTURES

Kovalenko, Borys. [Articles of literary criticism] Literaturno-krytychni statti. Kyiv, Radians'kyi pys'mennyk, 1962. 384 p.
(CaPTU)

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

Dovgaliuk, P. N. [Atheism in Ukrainian literature; sketches] Ateizm v ukrainskoi literature; ocherki. Moskva, Izd-vo "Nauka," 1964. (Nauchno-populiarnaia seriia)

UKRAINIAN PAINTING see Painting, Ukrainian

UKRAINIAN POETRY—TRANSLATIONS INTO FOREIGN LANGUAGES

Works of T. H. Shevchenko in foreign socialist countries. P. M. Kalenychenko. Rad. lit. 8 no. 2:109-112 Mr-Ap '64.

UKRAINIAN POETRY—TRANSLATIONS INTO GEORGIAN

Words of our bard in Georgia. V. IE. Shubravs'kyi. Rad. lit. 8 no. 2:141-143 Mr-Ap '64.

UKRAINIAN POETRY—TRANSLATIONS INTO RUSSIAN

Works of Shevchenko as translated by early Surikov poets. M. M. Pavliuk. Rad. lit. 8 no. 2:82-89 Mr-Ap '64.

UKRAINKA, LESIA, 1871-1913

Kolobkova, Emiliia. [Lesia Ukrainka lived here] Tut zhyla Lesia Ukrainka. [Kyiv] Kyivs'ke oblasne knyzhkovo-gazetne vyd-vo, 1963. 50 p.
(CaOTU)

Lesia Ukrainka, continuer of T. H. Shevchenko's language traditions. M. F. Boiko. Pratsi Od. un. 152. Ser. filol. nauk no. 15:73-82 '62.

UL'DZHAY, LAKE

Lake Ul'dzhay. V. V. Epshtein, S. R. Laptev. Izv. Omsk. otd. Geog. ob-va no. 5:37-43 '63.

UL'IANOV, ALEKSANDR IL'ICH, 1866-1887

"A. I. Ul'ianov and the revolutionary intellectuals in the Don Valley and Northern Caucasus" by V. P. Krikunov. Reviewed by R. G. Lapshina, G. S. Zhuikov. Vop. ist. 39 no. 3:138-140 Mr '64.

UL'IANOV, IL'IA NIKOLAEVICH, 1831-1886

Members of the Ul'ianov family about I. N. Ul'ianov. A. L. Karamyshev. Sov. pedag. 28 no. 4:115-122 Ap '64.

UL'IANOV, SERGEI ALEKSANDROVICH, 1903-

S. A. Ul'ianov; on his 60th birthday. Izv. vys. ucheb. zav.; energ. 7 no. 1:115 Ja '64.

UL'IANOVA, MARIIA ALEKSANDROVNA, 1835-1916

Two mothers. V. Kliushnikov. Nar. obr. no. 4:85-89 Ap '64.

An unpublished article by M. I. Ul'ianova. Vop. ist. KPSS 8 no. 4:39-53 Ap '64.

UL'IANOVA, MARIIA IL'INICHNA, 1878-1937

Mother of revolutionists. L. Razgon. Nar. obr. no. 5: 107-109 My '64.

ULTRABASITE
(see also subdivision under Ural Mountains; Vietnam, North)

[illegible] types of ultrabasites and their mineragenesis. [illegible] Dokl. AN SSSR 155 no.3:596-599 Mr '64.

ULTRASONIC METAL CUTTING

Ultrasonic piercing of shaped holes with a single adjustment of the tool. E.K.Nanitokov. Mashinostroenie no.2:74-75 Mr-Ap '64.

ULTRASONIC TESTING

[illegible] of the [illegible] defectoscope. A.S.Suvorov, [illegible] Zav.lab. 30 no.5:632-633 '64.

Use of ultrasound in fatigue tests. A.L.Skripnichenko. Zav.lab. 30 no.5:592-595 '64.

ULTRASONIC WAVES

Attenuation of ultrasonic surface and body waves. I.A. Viktorov. Akust.zhur. 10 no.1:110-113 '64.

Interaction of ultrasonic waves in cavitation. V.A. Akulichev, V.I.Il'ichev. Akust.zhur. 10 no.1:11-14 '64.

Nickel plating under the effect of an ultrasonic field. IU.A.Fel'dman, S.A.Shatsova, E.E.Gudkova. Zhur. prikl.khim. 37 no.4:900-906 Ap '64.

Oxidation of potassium iodide in a field of ultrasonic waves [with summary in English]. IU.IU. Lur'e, P.F. Kandzas, A.A. Mokina. Zhur.fiz.khim. 36 no.11: 2329-2331 N '62.

Role of ultrasonic cavitation in reducing the viscosity of hydraulic fluids. M.E.Arkhangel'skii, K.IA.Sergeeva. Akust.zhur. 10 no.1:111-112 '64.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Fourth All-Union Conference on the use of ultrasound in mechanical engineering. A.M.Mitskevich. Akust.zhur. 10 no.1:128-130 '64.

Improving the control over the mixing of fuel and oxidizer in the flame. A.E.Kodyshevich. Izv.vys.ucheb.zav.; chern.met. 7 no.5:154-156 '64.

Intensification of the washing of Kerch Peninsula ores by the ultrasonic method. V.I.Pluzhnik. Izv.vys. ucheb.zav.; gor.zhur. 6 no.12:202-207 '63.

Spurious scattering in nuclear emulsions following ultrasonic treatment. A.B.Akopova. Prib.i tekh.eksp. 9 no.2:64-65 Mr-Ap '64.

Use of ultrasound for the extraction of substances from plants. G.B.Aimukhamedova, G.M.Korneva. Izv. AN Kir.SSR.Ser.est.i tekh.nauk 4 no.6:17-24 '62.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of acoustic oscillations on some representatives of the zooplankton of the Black Sea. N.V.Lebedev and others. Nauch.dokl.vys.shkoly; biol.nauki no.2:94-98 '64.

Effect of ultrasonic waves on whooping cough vaccine and diphtheria anatoxin; annotation. G.F.Maiorova, N.A. Borodiuk. Zhur.mikrobiol.,epid.i immun. 40 no.4: 56 Ap '63.

ULTRASONIC WAVES—SCATTERING

Scattering of ultrasonic Rayleigh waves on models of surface defects. I.A.Viktorov, T.M.Kaekina. Akust. zhur. 10 no.1:30-33 '64.

ULTRASONIC WAVES—SPEED

Absorption coefficient and rate of propagation of ultrasonic waves in binary mixtures of formic acid - ethyl formate. B.A.Belinskii, V.F.Nozdrev, P.K.Khabibullaev. Akust.zhur. 10 no.1:112-114 '64.

Digital interferometer for ultrasonic velocity measurement. R.P.Žilinskas, V.I.Ilgūnas, E.P.Jaronis. Akust.zhur. 10 no.1:118-119 '64.

Measurement of ultrasonic dispersion in liquids using the interferometric method. K.Baršauskas, V.Ilgūnas, O.Kubilīuniene. Akust.zhur. 10 no.1:25-29 '64.

Precision interferometer for measuring ultrasonic velocities in liquids in the frequency range 1-12 Mc. V.Ilgūnas, O.Kubiliuniene, A.Japertas. Akust.zhur. 10 no.1:54-59 '64.

Ultrasonic measurement of molten cast iron. L.A.Pronin, N.B.Kazakov, S.I.Filippov. Izv.vys.ucheb.zav.; chern. met. 7 no.5:12-16 '64.

ULTRASONIC WAVES—THERAPEUTIC USE

Apparatus for removing dental calculus by means of ultrasonics. A.A.Kolosov, G.E.Demidov, A.P.Kuznetsov. Med.prom. 17 no.9:53-58 S '63.

ULTRASONIC WELDING

Controlling welded joints by the ultrasonic method. V.V. Babich. Mont.i spets.rab.v stroi. 26 no.4:22 Ap '64.

"Ultrasonic control of welded joints" by A.K.Gurvich, I.N.Ermolov. Zav.lab. 30 no.5:640 '64.

ULTRAVIOLET RAYS

Effect of ultraviolet emissivity on the ice-forming activity of a lead iodite aerosol. M.IA.Aksenov, N.O.Plaude. Trudy TSAO no.51:29-32 '63.

Vitamin D deficiency in pre-school children living in the Far North [with summary in English]. M.P.Nemzer, V.IA.Belogorskii. Pediatriia 42 no.9:55-59 S '63.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Effect of ultraviolet irradiation on the growing organism. V.G.Kornienko. Sbor.nauch.rab.IAr.med.inst. no.20: 5-26 '59.

Protective effect of acridine orange in ultraviolet irradiation of the infectious DNA of 1 φ -7 bacteriophage. G.B. Zavil'gel'skii and others. Dokl.AN SSSR 155 no.4:937-939 Ap '64.

Sensitivity of the skin to ultraviolet rays. M.F.Babak. Nauch.trudy SamMI 21:198-204 '62.

ULTRAVIOLET RAYS—THERAPEUTIC USE

Lamp of short wave ultraviolet rays fed from a battery. S.I.Vasilov, G.K.Lobovikov, V.F.Pudov. Vop.kur., fizioter.i lech.fiz.kul't. 28 no.3:264 My-Je '63.

Short-wave ultraviolet therapy of seborrhea and acne with the KUF-3 lamp. M.A.Shteinberg, Z.F.Tribul'skaia. Vest.derm.i ven. 37 no.4:70-71 Ap '63.

Ultraviolet erythema in compound treatment of chronic anacidic gastritis. A.M.Tereshchenko, M.V.Alekseeva. Vop.kur.,fizioter.i lech.fiz.kul't. 28 no.3:242-246 My-Je '63.

ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

UL'YANOVSK PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

Volunteer workers on their jobs. IU.Leonov. Sots.obesp. 25 no.5:41-42 Ap '64.

UMAN' DISTRICT—GROWTH PROMOTING SUBSTANCES

Petroleum growth promoting substance pays for itself at a high rate. A.Shul'gin. Ekon.sel'khoz. 35 no.4: 104-106 Ap '64.

UMBILICUS

The M.L.Vydrin open method of management of the umbilical stump. B.G.Sadykov. Kaz.med.zhur. no.6: 50-51 N-D '62.

Use of phenolic deproteinization for isolating highly polymerized hyaluronic acid from umbilical cords [with summary in English]. A.M.Poverennyi, A.V.Chmyrev. Ukr.biokhim.zhur. 35 no.5:772-775 '63.

UMBILICUS—BLOOD SUPPLY

Copper content in the blood of a parturient woman and in the blood of the umbilical vein. Sh.Shamsiddinov. Nauch.trudy SamMI 21:195-197 '62.

UMBILICUS—LIGATURE

Influence of the arrest of fetal circulation on the mother's carbohydrate metabolism depending on its initial state. Kh.G.Kenbai. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:109-115 '61.

UNDERDEVELOPED AREAS

Socialism, capitalism and the underdeveloped countries. Mir.ekon.i mezhdunar.otn. no.4:116-131 '64.

UNDERDEVELOPED AREAS—COMMERCE

Economic relations between liberated countries. V.M. Kollontai. Nar.Az.i Afr. no.3:3-15 '64.

The remnants of colonialism in international state trade must be abolished. L.Klochkovskii. Az.i Afr.seg. 7 no.5:19-21 My '64.

UNDERDEVELOPED AREAS—CONGRESSES

Conference on the study of underdeveloped countries in Czechoslovakia. J.Burvsa. Izv.Vses.geog.ob-va 96 no.2:159 Mr-Ap '64.

UNDERDEVELOPED AREAS—ECONOMIC CONDITIONS

Nations "rich" and "poor." L.Sedin. Nov.vrem. 21 no.20:6-8 My '64.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS

"Imperialist colonial policy in the postwar period" by V.Vakhrushev. Reviewed by V.A.Brykin. Vop.ist. 39 no.5:137-140 My '64.

UNDERDEVELOPED AREAS—INVESTMENTS, FOREIGN

"Prospects of neocolonialism" Reviewed by O.N.Melikian. Vop.ist. 39 no.3:202 Mr '64.

UNDERDEVELOPED AREAS—INVESTMENTS, KUWAITI

Kuwait, the Arabian banker. V.Bodianskii. Az.i Afr. seg. 7 no.5:26-29 My '64.

UNDERDEVELOPED AREAS—POLITICS

The alliance between the forces of socialism and the national liberation movement. Kommunist 41 no.8: 3-10 My '64.

Leninist ideas are conquering the world. G.Agabekov. Az.i Afr.seg. 7 no.5:5-7 My '64.

National liberation and territorial conflicts. K.Ivanov. Mezhdunar.zhizn' 11 no.5:8-17 My '64.

UNDERGROUND CONSTRUCTION

Conference on Soil Mechanics and Construction of Foundations. A.M.Kochetkov. Vest.AN SSSR 34 no.2:101-102 F '64.

Shreiber, B.P. [Bituminization in underground construction] Bitumizatsiia v podzemnom stroitel'stve. 2. izd. Moskva, Izd-vo "Nedra," 1964. 278 p.

UNDERGROUND GASIFICATION OF COAL see Coal gasification, Underground

UNDERGROUND STRUCTURES—CATHODIC PROTECTION
(see also subdivision under Leningrad)

Electrochemical corrosion of underground steel equipment by commercial frequency currents. M.A. Tolstaia, E.I.Ioffe, I.V.Poteminskaia. Gaz.delo no.3:19-26 '64.

UNDERWATER ACOUSTICS

Correlation characteristics of sea reverberation. V.V. Ol'shevskii. Akust.zhur. 10 no.1:101-110 '64.

Scattering of sound by fish bladders in deep scattering layers in the ocean. I.B.Andreeva. Akust.zhur. 10 no.1:20-24 '64.

UNDERWATER ACOUSTICS—BIBLIOGRAPHY see Bibliography—Underwater acoustics

UNDERWATER CONCRETE CONSTRUCTION

Durability of hydraulic concrete with organosilicon additions. V.M.Moskvin, V.G.Batrakov. Transp.stroi. 13 no.11:51-53 N '63.

UNDERWATER PIPELINES

Capacity of bottom pipes during joint work with surface spillways. I.IA.Tatarov. Izv.vys.ucheb.zav.; stroi. i arkhit. 6 no.8:65-69 '63.

UNGERNIA
(see also subdivision under Tien Shan)

Alkaloids of Ungernia trisphaera BGE. Kh.A[illegible], Kh.A.Abduazimov, S.IU.IUnusov. Uzb.khim.zhur. 8 no.2:46-51 '64.

UNGULATA—DISEASES AND PESTS see subdivision under Kazakhstan

UNGULATA, FOSSIL see subdivision under Kazakhstan

UNION CATALOGS see Catalogs, Union

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED NATIONS

"Collective security is a guarantee of peaceful coexistence" by V.K. Sobakin. Reviewed by S.A.Mal[illegible] Sov.gos.i pravo. no.12:149-152 D '63.

Jan Tomko's "National sovereignty of states and the United Nations Organization." L.Komarova. Sov.gos. i pravo 34 no.4:153-154 Ap '64.

Legal status of the United Nations Security Council. V.N.Fedorov. Uch.zap.IMO no.14:205-242 '63.

White Russia in the struggle for world peace. B.Alekseev. Mezhdunar.zhizn' 11 no.5:135-1[illegible] My '64.

UNITED NATIONS—ARMED FORCES see subdivision under Congo (Leopoldville)

UNITED NATIONS CONFERENCE OF TRADE AND DEVELOPMENT

International trade should serve progress, consolidate peace and mutual understanding; a speech by N.S. Patolichev, Head of the Soviet Delegation, Minister of Foreign Trade of the U.S.S.R. at the United Nations Conference on Trade and Development, March 26, 1964. Vnesh.torg. 44 no.4:9-15 '64.

The responsible and noble tasks; a message of N.S. Khrushchev, Chairman of the Council of Ministers to the United Nations Conference on Trade and Development. Vnesh.torg. 44 no.4:8 '64.

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT, GENEVA, 1964

The economic forum in Geneva. S.Mikoian. Mezhdunar. zhizn' 11 no.5:62-67 My '64.

Nations "rich" and "poor." L.Sedin. Nov.vrem. 21 no.20:6-8 My '64.

The remnants of colonialism in international state trade must be abolished. L.Klochkovskii. Az.i Afr.seg. 7 no.5:19-21 My '64.

The Soviet Union and Africa. N.Fedorenko. Nov.vrem. 21 no.19:6-7 My '64.

UNITED NATIONS ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST

The U.N.Economic Commission for Asia and the Far East and certain problems of trade [with summary in English]. IU.I.Dvoretskii. Vest.LGU 19 no.5:148-152 '64.

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Tasks and activity of the Conference of European Statisticians; brief note. D.Voinovskii. Vest.stat. no.5:34-37 '64.

UNITED REPUBLIC OF TANGANYIKA AND ZANZIBAR

The United Republic of Tanganyika and Zanzibar. V.N[illegible]. Nov.vrem. 21 no.20:30-31 My '64.

UNITED REPUBLIC OF TANGANYIKA AND ZANZIBAR—POLITICS AND GOVERNMENT

Morning of "spice island." B.Piliatskin. Az.i Afr.seg. 7 no.5:22-23 My '64.

UNITED STATES—ARMED FORCES

[illegible]

UNITED STATES—ADVERTISEMENT

[illegible]

UNITED STATES—BALANCE OF PAYMENTS

[illegible] dollar [illegible] Mezhdunar. zhizn' 11 no.5:[illegible] My '64.

UNITED STATES—BUILDING CONTRACTS AND SPECIFICATIONS

Legal regulation of building in the United States. [illegible]

UNITED STATES—BUILDING LAWS

Legal regulation of building in the United States. [illegible]

UNITED STATES—CABINET SYSTEM

[illegible]

UNITED STATES—COMMERCE—COMMUNIST COUNTRIES

[illegible]

UNITED STATES—COMMERCE—EUROPE, EASTERN

[illegible]

UNITED STATES—COMMUNIST PARTY—PERIODICALS

[illegible]

UNITED STATES—CRIME, [illegible]

[illegible]

UNITED STATES—CRIMINAL JUSTICE, ADMINISTRATION OF

[illegible], A. A. [The dry guillotine; American justice in the Roosevelt period] Sukhaia gil'otina, amerikanskaia iustitsiia vo vremena Ruzvel'ta. S predisl. V. D. [illegible] Sao Paulo, 1963. 121 p.

UNITED STATES—[illegible]

[illegible] Mezhdunar. zhizn' 11 no.5:[illegible] My '64.

UNITED STATES—[illegible]

[illegible]

UNITED STATES—[illegible]

[illegible]

UNITED STATES—[illegible]

[illegible]

UNITED STATES—ELECTRIC POWER

[illegible]

UNITED STATES—ELECTRIC POWER PLANTS

[illegible]

UNITED STATES—ESPIONAGE

[illegible]

UNITED STATES—FOREIGN RELATIONS

[illegible] Washington [illegible] My '64.

Apology of the U.S. imperialist foreign policy. [illegible] Vop. ist. [illegible] My '64.

Dwight Eisenhower's memoirs. Mir. ekon. i mezhdunar. otn. no.[illegible] '64.

From the memoirs of an American diplomat. [illegible] Mezhdunar. zhizn' 11 no.[illegible] My '64.

[illegible] Mir. ekon. i mezhdunar. otn. no.[illegible] '64.

UNITED STATES—FOREIGN RELATIONS—AFRICA

[illegible], V. V. [Policy of the U.S.A. in Africa] Politika SShA v Afrike. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 239 p.

UNITED STATES—FOREIGN RELATIONS—EGYPT

Dulles' "Aswan gambit." [illegible] no.[illegible] My '64.

UNITED STATES—FOREIGN RELATIONS—KOREA

Korean history as presented by the U.S. State Department. V. M. Mazurov, N. M. [illegible] no.5:[illegible]-119 '64.

UNITED STATES—GUIDED MISSILE INDUSTRIES

The missile business of the U.S. monopolies. G. [illegible] Mezhdunar. zhizn' 11 no.5:140-150 My '64.

UNITED STATES—HOMICIDES

[illegible] in the U.S.A. [illegible] no.4:[illegible] '64.

UNITED STATES—HISTORIOGRAPHY

[illegible] for adult Americans. A. Sof'in. Ist. SSSR [illegible] Mr-Ap '64.

UNITED STATES—HISTORY

"[illegible] to North America in the 11th century" [illegible] Vop. ist. [illegible] My '64.

UNITED STATES—HISTORY, MILITARY—PERIODICALS

[illegible] U.S. Army. [illegible] Ap '64.

UNITED STATES—[illegible]

[illegible]

UNITED STATES—LEATHER, ARTIFICIAL

[illegible]

UNITED STATES—MOTION PICTURES

Bertenson, S. L. [In Hollywood with V. I. Nemirovich-Danchenko, 1926-1927] V Gollivude s V. I. Nemirovichem-Danchenko (1926-1927). [illegible] 1964. 109 p.

UNITED STATES—NATURAL RESOURCES

[illegible]

UNITED STATES—NEGROES

[illegible] [History of the left hand] [illegible] [Moskva] "Molodaia gvardiia," 1964. [illegible] p.

UNITED STATES—NEGROES—CIVIL RIGHTS

[illegible]

UNITED STATES—[illegible]

[illegible]

UNITED STATES—OCEANOGRAPHIC RESEARCH SHIPS

[illegible]

UNITED STATES—[illegible] AID

[illegible]

UNITED STATES—POLITICS AND GOVERNMENT

[illegible], V. A. [The American "ultras"] Amerikanskie "ul'tra." Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. VII seriia: Mezhdunarodnaia, no.8)

UNITED STATES—PROPAGANDA, ANTICOMMUNIST

Psychological tactics on the radio and television. [illegible] Mezhdunar. zhizn' 11 no.5:[illegible] My '64.

Anticommunist article by George Kennan, a [illegible]. [illegible] Nov. vrem. 21 no.[illegible] My '64.

UNITED STATES—PSYCHIATRY

[illegible] in the U.S.A. [illegible] '64.

UNITED STATES—RACE QUESTION

The present and the future; comments of the "free world." Nov. vrem. 21 no.[illegible] My '64.

UNITED STATES—SPIES

[illegible], A. A. [The dry guillotine; American justice in the Roosevelt period] Sukhaia gil'otina, amerikanskaia iustitsiia vo vremena Ruzvel'ta. S predisl. V. D. [illegible] Sao Paulo, 1963. 121 p.

UNITED STATES—STARCH INDUSTRY

Production of potato starch in the U.S.A. I. F. [illegible] Sakh. prom. [illegible] no.12:61-62 D '63.

UNITED STATES—STRATEGY

Strategists' dreams. G. Gerasimov. Mezhdunar. zhizn' 11 no.5:[illegible] My '64.

The role of military bases in the Pentagon's strategy. N. Shvedkov. Mezhdunar. zhizn' 11 no.5:66-70 My '64.

UNITED STATES—STREETS

Transportation arterial highways in American cities. M. A. Korobov. Nov. tekh. zhil.-kom. khoz.: Blag., dor.-most. khoz. i transp. no.3:13-21 '63.

UNITED STATES—TANK WARFARE

Military training in a tank company, according to materials of the American press. N. Shishkin. Voen. vest. no.4:[illegible] Ap '64.

UNITED STATES—TAR

Prospects for the development of the production of shale tar. Nefteper. i neftekhim. no.1:42 '64.

UNITED STATES—TRADE UNIONS

Why trade unions are not growing in the U.S.A. [illegible] Mir. ekon. i mezhdunar. otn. no.[illegible] '64.

UNITED STATES—WORLD WAR, 1939-1945—CHEMISTRY

Development of chemical weapons in the U.S.A. during the Second World War. [illegible] Voen.-ist. zhur. 6 no.4:109-117 Ap '64.

UNITIZED CARGO SYSTEMS

Economic efficiency of the transportation of cotton fibers in containers. [illegible] Trudy TASHIIT no.[illegible] '62.

UNIVERSITIES AND COLLEGES

[illegible] and the organizational foundations of the school system of higher learning in the U.S.S.R. [With summary in English] [illegible] Vest. LGU 19 no.[illegible] '64.

UNIVERSITIES AND COLLEGES—ACCOUNTING

[illegible]

UNIVERSITIES AND COLLEGES—DIRECTORIES

[Directory for students entering institutions of higher learning of the U.S.S.R. in 1964] Spravochnik dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1964 g. Moskva, Vysshaia shkola, 1964. 263 p.

UNIVERSITIES AND COLLEGES—EXAMINATIONS

Russia (1917- R.S.F.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Examinations for students entering higher educational institutions of the R.S.F.S.R. in 1963] Programmy vstupitel'nykh ekzamenov dlia postupaiushchikh v vysshie uchebnye zavedeniia RSFSR v 1963 godu. Moskva, Izd-vo "Vysshaia shkola," 1963. 46 p.

[MICROFILM]

UNSATURATED COMPOUNDS

Cyclic polymerization and copolymerization. Part 11: Radical polymerization of a [illegible] ether. [With summary in English] M. A. Askarov and others. Vysokom. soed. 6 no.1:[illegible] Ja '64.

[illegible] '64.

URAL MOUNTAIN REGION—CHEMICAL INDUSTRIES

[illegible] Ap '64.

URAL MOUNTAIN REGION—DIABASE

Origin of the diabase-porphyry Magnitogorsk igneous complex. [illegible] Trudy VSEGEI [illegible] '63.

URAL MOUNTAIN REGION—GEOGRAPHY

Vseural'skoe soveshchanie po voprosam geografii i okhrany prirody. 6th. [Regional study; materials of the Sixth All Urals Conference on the Geography and Conservation of Nature] Kraevedenie; materialy. Ufa, Bashkirskii gos. univ. im. 40-letiia Oktiabria, 1961. 91 p.

[MICROFILM]

URAL MOUNTAIN REGION—LUMBERING—FINANCE

Ways for improving the calculation and distribution of differential income in forestry. V. P. [illegible] Les. khoz. 17 no.4:[illegible] Ap '64.

URAL MOUNTAIN REGION—PALYNOLOGY

Spore-pollen complexes of Lower Paleocene marine sediments in the northern Ural Mountain region and in the central part of the Turgay Depression. Z. K. Ponomarenko. Dokl. AN SSSR 154 no.3:[illegible] Ja '64.

URAL MOUNTAIN REGION—PHYSICAL GEOGRAPHY—CONGRESSES

Conference on the physical geography of the Urals. [illegible] Izv. Vses. geog. ob-va 96 no.1:[illegible] Ja-F '64.

URAL MOUNTAIN REGION—PORPHYRY

Origin of the diabase-porphyry Magnitogorsk igneous complex. [illegible] Trudy VSEGEI [illegible] '63.

URAL MOUNTAIN REGION—REVOLUTION, 1917-1921

Kurgan (Province) Upravlenie vnutrennikh del. Arkhivnyi otdel. [The Southern Transurals in the period of the Civil War, 1918-1920, a collection of documents and materials] IUzhnoe Zaural'e v period grazhdanskoi voiny (1918-1920 gg.); sbornik dokumentov i materialov. Kurgan, Izd-vo gazety "Sovetskoe Zaural'e, 1963. 287 p.

URAL MOUNTAIN REGION—SCANDIUM

Scandium in minerals from mountain crystal deposits in the subarctic Ural Mountains. K.I.Chepizhnyi. Dokl. AN SSSR 155 no.3:532-535 '64.

URAL MOUNTAIN REGION—THERMAL WATERS

Thermal waters of the Urals. V.F.Kovalev. Izv.vys. ucheb.zav.; geol.i razv. 7 no.1:3-6 '64.

URAL MOUNTAIN REGION—TILLAGE

Talchinov, S.N. [Granular subsoil; methods of developing a deep arable layer in the Chernozem soils of the southern cis-Ural region] Podpakhotnaia krupka; puti sozdaniia moshchnogo pakhotnogo sloia na chernozemakh IUzhnogo Predural'ia. Ufa, Bashkirskii filial AN SSSR, 1963. 273 p.
(DNAL)

URAL MOUNTAINS—ANHYDRITE

Hypogene anhydrite in the Alekseevskoye copper ore deposit in the Central Ural Mountains. IU.M.Stoliarov. Dokl.AN SSSR 155 no.5:1085-1087 Ap '64.

URAL MOUNTAINS—BAUXITE

Bauxite potential of the Lower Mesozoic sediments of the eastern slope of the Northern Ural Mountains. A.K. Gladkovskii, A.K.Sharova. Izv.AN SSSR.Ser.geol. 29 no.5:67-75 My '64.

URAL MOUNTAINS—BROWN ROT

Transmission of brown rot by the seeds of flowering plants. E.P.Shamilenko. Biul.Glav.bot.sada no.48: 84-85 '63.

URAL MOUNTAINS—COPPER ORES

Hypogene anhydrite in the Alekseevskoye copper ore deposit in the Central Ural Mountains. IU.M.Stoliarov. Dokl.AN SSSR 155 no.5:1065-1087 Ap '64.

URAL MOUNTAINS—FLOWERS—DISEASES AND PESTS

Transmission of brown rot by the seeds of flowering plants. E.P.Shumilenko. Biul.Glav.bot.sada no.48: 84-85 '63.

URAL MOUNTAINS—GEOLOGY

History of the development of the slope of the Southern Ural Mountains in the Pre-Cambrian and Lower Paleozoic. N.F.Mamaev. Izv.AN SSSR.Ser.geol. 29 no.2:92-100 F '64.

URAL MOUNTAINS—GLACIAL EPOCH

Extension and nature of Quaternary glaciation in the Ural Mountains. L.S.Troitskii. Dokl.AN SSSR 155 no.2: 343-345 Mr '64.

URAL MOUNTAINS—GRAVITY PROSPECTING

Use of vertical recognition marks in gravity surveying on a 1:200,000 scale in the Ural Mountain regions. P.P. Pakhorukov. Sbor.luch.rats.predl. pt.2:6-8 '63.

URAL MOUNTAINS—MAGNETITE

Composition of the accessory magnetites and titanomagnetite in alkali rocks of the Central Ural Mountains. V.G.Fominykh, N.V.Sviazhin. Dokl.AN SSSR 155 no.5:1088-1099 Ap '64.

URAL MOUNTAINS—MANGANESE ORES

Outline of the geochemistry of manganese deposits in the Northern Urals. L.E.Shterenberg. Trudy GIN no.97: 9-71 '63.

URAL MOUNTAINS—RIVERS

Origin of the orthogonal drainage network based on the example of the rivers of the western slope of the Central Ural Mountains. I.S.Stepanov. Izv.Vses. geog.ob-va 96 no.2:130-133 Mr-Ap '64.

URAL MOUNTAINS—SEISMIC WAVES

Anomalous travel time of longitudinal waves on the eastern slope of the Central Urals. P.P.Pasechnik. Izv.AN SSSR.Ser.geofiz. no.4:570-574 Ap '64.

URAL MOUNTAINS—TITANOMAGNETITE

Composition of the accessory magnetites and titanomagnetite in alkali rocks of the Central Ural Mountains. V.G.Fominykh, N.V.Sviazhin. Dokl.AN SSSR 155 no.5:1088-1099 Ap '64.

URAL MOUNTAINS—ULTRABASITE

Age of ultrabasites in the Northern Ural Mountains. V.F. Morkovkina. Izv.AN SSSR.Ser.geol. 29 no.5:17-24 My '64.

URAL MOUNTAINS—VALLEYS

Characteristics of the structure and the history of the development of river valleys in the western slope of the Southern Ural Mountains. N.P.Verbitskaia. Mat.VSEGEI.Chet.geol.i geomorf. no.4:239-269 '61.

URAL'SK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party assignments. A.IUmashev. Part.zhizn' Kazakh. 31[i.e.32] no.8:33-36 Ag '62.

URAL'SK—HISTORY

Chesnokov, N.G. [Ural'sk is 350 years old] Ural'sku 350 let. Alma-Ata, Kazgosizdat, 1963. 164 p.

URAL'SK PROVINCE—AGRICULTURE

The main trend is intensification. Sh.Kospanov. Part. zhizn' Kazakh. 34 no.3:17-22 Mr '64.

URAL'SK PROVINCE—DERMATOMYCOSIS

Some aspects of favus control in Ural'sk Province. A.A. Sviridov. Zdrav.Kazakh. 22 no.10:3-4 '62.

URANIUM

(see also subdivision under Atlantic Ocean)

Easily soluble uranium in metamorphic rocks of the Sinian system. IU.N.Kapkov. Zap.LGI 45 no.2:21-24 '63.

"Fundamentals of uranium geochemistry." Reviewed by V.I.Smirnov. Vest.AN SSSR 34 no.2:139-142 F '64.

Recoil effect on the angular correlation between fragments and charged particles emitted in the fission of uranium nuclei. IU.F.Gagarin, V.I.Ostroumov. Atom. energ. 16 no.4:296-300 Ap '64.

Reevaluation of coefficients for the quantitative interpretation of gamma-logging and gamma-assaying of uranium ores. V.A.Artsybashev. Zap.LGI 45 no.2: 61-67 '63.

Some remarks concerning the interpretation of gamma-logging diagrams in the study of complex uranium-thorium ores. G.F.Novikov. Zap.LGI 45 no.2:45-51 '63.

Sorption of uranium and thorium from ammonium thiocyanate solutions by anion exchanger EDE-1OP. I.A. Kuzin, V.P.Taushkanov. Zhur.prikl.khim. 37 no.4: 764-768 Ap '64.

URANIUM—ANALYSIS

Determination of sodium, potassium, and calcium in uranium and its compounds by flame photometry [with summary in English]. G.I.Zhuravlev, I.A.Gavrilova. Zhur.anal.khim. 19 no.1:54-58 '64.

URANIUM—HEAT TREATMENT

Texture of case-hardened uranium rods. I.V.Batenin, B.V.Sharov. Atom.energ. 16 no.4:372-373 Ap '64.

URANIUM—THERMAL PROPERTIES

Dependence of the texture of hardened uranium on the character of heating and other parameters of heat treatment. V.E.Ivanov and others. Atom.energ. 16 no.4:325-332 Ap '64.

URANIUM ISOTOPES

Angular and energy characteristics of the emission of U^{235} fission neutrons. M.V.Blinov, N.M.Kazarinov, A.N.Protopopov. Zhur.eksp.i teor.fiz. 46 no.3:1139-1141 Mr '64.

Specific ionization along the tracks of U^{235} and Cm^{244} fission fragments. F.Nasyrov. Atom.energ. 16 no.5: 449-451 My '64.

URANIUM-NIOBIUM-ZIRCONIUM ALLOYS—METALLOGRAPHY

Diffusive penetration of uranium into molybdenum from a uranium-niobium-zirconium alloy. G.B.Fedorov, F.I.Zhomov. Met.i metalloved.chist.met. no.4:64-68 '63.

URANIUM ORES

Characteristics of uraninite and uranium blacks in some infiltrated deposits. M.F.Kashirtseva. Geol.rud. mestorozh. 5 no.6:65-72 N-D '63.

Hard bitumens in uranium-bearing veins. B.V.Brodin, IU.M.Dymkov. Atom.energ. 16 no.5:432-437 My '64.

Metamorphism of uranium deposits and individual uranium minerals. A.I.Tugarinov, E.V.Bibikova, S.I.Zykov. Atom.energ. 16 no.4:332-343 Ap '64.

URANYL NITRATE

Extraction of uranyl nitrate by the derivatives of pyridine-N-oxides. A.V.Nikolaev and others. Dokl. AN SSSR 156 no.3:616-618 '64.

Thermochemical study of the system $UO_2(NO_3)_2$ - H_2O - tributyl phosphate. A.V.Nikolaev, IU.A.Afanas'ev. Dokl.AN SSSR 155 no.2:374-375 Mr '64.

UREA

Antimicrobial properties of carbamide resin and its use by some micro-organisms. E.N.Kondrat'eva, G.A. Novikova, V.M.Kuznetsova. Nauch.dokl.vys.shkoly; biol.nauki no.2:166-170 '64.

Composition of thiourea complexes of silver formed during amperometric titration [with summary in English]. N.N.Kuz'mima, O.A.Songina. Zhur.anal.khim. 18 no.3:323-328 Mr '63.

Duration of the action of phenyldimenthylurea derivatives as related to the type of soils. L.I.Korolev, V.A. Voitekhova, IA.IU.Starosel'skii. Khim.v sel'.khoz. 2 no.2:37-41 F '64.

Effect of a concentration of n-paraffins in a [illegible] mixture on complexing with urea in a water [illegible]. F.A.Chegodaev, B.V.Klimenok. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:55-59 '64.

Effect of intravenous injection of a hyper[illegible] solution on the blood. M.Sh.Promyslov, [illegible]. Vop.neirokhir. 27 no.5:51-53 [illegible]

Technological process of dewaxing diesel fuels [illegible] tal carbide. M.G.Mitrofanov, N.I.[illegible] Makar'ev. Trudy GrozNII no.15:137-142 [illegible]

UREA—PHYSIOLOGICAL EFFECT

Resistance of actomyosin in the myocardium and skeletal muscles to the denaturing effect of heat, [illegible] alcohol and urea. A.D.Braun, N.M.[illegible], N.V. Fizhenko. TSitologiia 5 no.3:335-340 [illegible]

UREA AS FEED

Using urea in poultry raising. E.E.Khad[illegible] Stavr.sel'khoz.inst. no.11:34-36 '62.

UREA AS FERTILIZER

Use of urea by the corn root system. [illegible] I.V.Mosolov. Dokl.AN SSSR 156 [illegible] '64.

URETERS—SURGERY

Interureteral surgical anastomosis. A.V.[illegible] Eksper.khir.i anest. 8 no.4:49-50 Jl-Ag [illegible]

Kucera, Jan. [Surgery in hydronephrosis and [illegible] hydronephrosis. Translated from the Czech] [illegible] giia gidronefroza i ureterogidronefroza. Praga, [illegible] izd-vo med. lit-ry, 1963. 221 p.
(DNLM)

New method of incision of the ureteral ostium in the incipient forms of ureterocele. N.N.[illegible] Eksper.khir.i anest. 7 no.4:45 Jl-Ag '62.

Plastic substitution of ureters with a fallopian tube. Tibor Maros and others. Eksper.khir.i anest. 7 no.4:41-44 Jl-Ag '62.

URETHANES

Studying the process of the thermal aging of polyurethane coatings. D.S.IAkubovich, P.I.Zubov, A.P.[illegible]skii. Lakokras.mat.i ikh prim. no.1:39-42 '64.

Use of elastic polyurethane materials in [illegible] ture. B.IA.Krasnov, I.L.Mel'nikova. [illegible] prom. 6 no.4:24-26 Ap '64.

URETHANPHOSPHORIC ACID—TOXICOLOGY

Toxicity of diesters of urethanphosphoric acid to [illegible] and warm-blooded animals [with summary in English]. H.O.IEfimov, IU.S.Kahan. Dop.AN URSR [illegible] 278 '64.

URETHRA—SURGERY

Method and technique of exposing the external opening of the urethra in dogs. E.Kh.Chernliavskii. Eksper.khir. i anest. 7 no.4:50-51 Jl-Ag '62.

URETHROTOMY

Acute peritonitis following internal urethrotomy. [illegible] Babitskii. Zdrav.Bel. 9 no.6:78-79 Je '63.

URINARY ORGANS—CALCULI see Calculi, Urinary

URINARY ORGANS—TUMORS

Diagnosis, therapy and late observations of patients with tumors of the upper urinary tract. I.I.Akimbekov. Zdrav. Kazakh. 22 no.10:23-27 '62.

URINE—ANALYSIS AND PATHOLOGY

Content of 17-ketosteroids in the urine of scleroma patients [with summary in English]. O.V.Shcherbina. Zhur.ush.,nos.i gorl.bol. 23 no.6:51-53 N-D '63.

Current concept of the structure of estrogens and methods of their determination in the urine. O.N.Savchenko. Usp.sovr.biol. 56 no.2:145-160 S-O '63.

Determination of the concentration of citral in the blood and urine of puerperants by the use of paper discs following its intrauterine administration. O.M.[illegible] Lab.delo no.4:226-229 '64.

Copper content in the blood and urine of patients with psoriasis and lupus erythematosus. Z.Zh.[illegible], N.L. Tumasheva. Vest.derm.i ven. 37 no.4:37-39 Ap [illegible]

Experience in objective control of the use of psychotropic drugs. L.IA.Uspenskaia. Zhur.nevr.i psikh. 64 no.3:441-446 '64.

Forrest's test as a means of control of the use of psychotropic drugs and the results of this control on the basis of our own observations. S.Puzyński, Ja.Rogowska. Zhur.nevr.i psikh. 64 no.3:437-440 '64.

Methodology of determining Donaggio-active macroproteins in the urine. I.V.Neverov. Lab.delo no.3:165-166 '64.

Methodology of determining thymidine in rat urine with paper chromatography and the Diche reaction. I.A. Zharkov. Lab.delo no.5:296-300 '64.

Methodology of examining the lipolytic activity of the blood serum, urine and duodenal contents. V.A.Pry[illegible]tsenko, N.G.Plotnikova. Lab.delo no.5:288-291 '64.

URINE—ANALYSIS AND PATHOLOGY (Continued)

New method of determining desoxycytidine in rat urine. O.I.Tereshchenko. Lab.delo no.5:292-296 '64.

Tryptophan metabolism in patients with schizophrenia [with summary in English]. D.V.Lozovskii. Vop.med. khim. 8 no.6:616-620 N-D '62.

Use of Allen's correction in the determination of urinary 17-ketosteroids [with summary in English]. G.L. Dernovskaia-Zelentsova. Ukr.biokhim.zhur. 35 no.5: 754-763 '63.

Use of steroid hormones in the acute period of a closed cerebrocranial trauma. E.M.Boeva and others. Zhur.nevr.i psikh. 64 no.3:380-385 '64.

Vacat oxygen and its relation to total nitrogen in urine in an anaerobic infection. I.B.Fridliand, A.N.Alad'ina. Sbor.nauch.rab.IAr.med.inst. no.20:98-107 '59.

UROLOGICAL SOCIETIES see subdivision under Moscow

UROLOGY

Gol'din, G.I. [A contribution to the history of Russian urology] K istorii otechestvennoi urologii. Moskva, Meditsina, 1964. 230 p.

USHAKOV, GEORGII ALEKSEEVICH, 1901-1962

In memory of G.A.Ushakov. G.A.Avsiuk and others. Izv.AN SSSR.Ser.geog. no.2:173-174 Mr-Ap '64.

USSURI VALLEY—RUNOFF

Natural conditions determining the irregularity of the discharge of rivers in the Ussuri Basin and floods caused by them. A.V.Stotsenko, V.G.Chernenko. Sbor.nauch.rab.DVNIIS no.3:99-109 '62.

UST'-BALYK OIL FIELD—PETROLEUM GEOLOGY

Programming the commercial prospecting in the Ust'-Balyk oil field. A.M.Karapetov, L.M.Bogdanova, I.E.Nosenkov. Neftegaz.geol.i geofiz. no.3:17-20 '64.

Ust'-Balyk oil field. F.K.Salmanov. Neftegaz.geol.i geofiz. no.3:12-17 '64.

UST'-KAMCHATSK—FISHERIES

Chernigovskii, I.P., and K.I.Antipin. [Masters of deep-sea seining with snurrevards from Ust'-Kamchatsk] Ust'-kamchatskie mastera glubokovodnogo sniurrevodnogo lova. Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 20 p.
[MICROFILM]

UST'-KAMENOGORSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Captives of confusion. E.Velichko. Nar.khoz.Kazakh. 22 no.4:6-7 Ap '64.

The construction of the combine should be speeded up. V.Trubnikov. Nar.khoz.Kazakh. 22 no.4:4-6 Ap '64.

UST'-KAMENOGORSK—CONSTRUCTION INDUSTRY

It takes 12 days to build a house. A.Nikolaev. Part.zhizn' Kazakh. 31[i.e.32] no.8:44-46 Ag '62.

UST'-KAMENOGORSK—CONSTRUCTION WORKERS

Meet the Dmitriev brigade members. I.Nazarenko. Nar.khoz.Kazakh. 22 no.4:11 Ap '64.

UST'-KAMENOGORSK—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

The construction of the combine should be speeded up. V.Trubnikov. Nar.khoz.Kazakh. 22 no.4:4-6 Ap '64.

UST'-LABINSK—AGRICULTURAL ADMINISTRATION

Inspector-organizer is a disseminator of everything new and progressive. G.Lysykh. Ekon.sel'khoz. 35 no.4:55-60 Ap '64.

USTINOVICH, NIKOLAI STANISLAVOVICH

Singer of Siberia. I.Sen'kov. V mire knig 3 no.7:26-27 Jl '63.

USTURT—FOLDS (GEOLOGY)

Rocks of the folded basement in the central Usturt. R.G.Garetskii and others. Izv.AN SSSR.Ser.geol. 29 no.1:50-62 Ja '64.

USTURT—PETROLEUM GEOLOGY

Hydrochemical and geochemical criteria for determining the oil and gas potentials of Fergana and Usturt. Kh.A. Ravikovich, A.K.Karimov. Neftegaz.geol.i geofiz. no.12:33-37 '63.

USTURT—ROCKS

Rocks of the folded basement in the central Usturt. R.G.Garetskii and others. Izv.AN SSSR.Ser.geol. 29 no.1:50-62 Ja '64.

USTVOL'SKAIA, GALINA IVANOVNA, 1919-

Scores. Sov.muz. 27 no.11:145 N '63.

USTYURT PLATEAU—SAND

Origin of the sandy massifs of northern Ustyurt. IU.M. Kleiner, I.S.Pleshcheev. Izv.AN SSSR.Ser.geog. no.2:96-101 Mr-Ap '64.

UTERUS—CANCER

Study of the state of mast cells in the tumor bed and pelvic cellular tissue in preoperative radiotherapy of cancer of the cervix uteri [with summary in English]. G.S. Kolesnikova. Med.rad. 8 no.5:3-9 My '63.

UTERUS—MOTILITY

Effect of shepherd's purse on the motor function of the uterus in an experiment. V.A.Konovalova. Nauch.trudy SamMI 21:208-212 '62.

UTERUS—RUPTURE

Rupture of the uterus along the cicatrix of a former cesarean section with a transverse section of the lower segment. E.A.Korneichuk. Zdrav.Turk. 8 no.1:22 Ja '64.

Spontaneous rupture of the uterus in early pregnancy. E.F.Konovalov. Kaz.med.zhur. no.6:65-66 N-D '62.

UTERUS—SURGERY

Surgery in uterine fibromyoma during pregnancy. N.I. Kharevich. Zdrav.Bel. 9 no.6:79-80 Je '63.

UTERUS—TUMORS

Immediate results of the surgical treatment of uterine fibromyoma. L.A.Malina. Zdrav.Bel. 9 no.6:31-34 Je '63.

Surgery in uterine fibromyoma during pregnancy. N.I. Kharevich. Zdrav.Bel. 9 no.6:79-80 Je '63.

UZBEKISTAN—AGRICULTURAL ADMINISTRATION

Improved utilization of the labor resources on collective and state farms. V.Gliniany1. Komm.Uz. 36 no.4: 68-72 Ap '64.

Live for the interests and affairs of production. Komm. Uz. 36 no.4:36-43 Ap '64.

The main direction is intensification. E.Nishanov. Part.zhizn' [Uzb.] 7 no.4:15-20 Ap '64.

UZBEKISTAN—AGRICULTURAL CHEMISTRY

What will chemistry contribute to stockbreeding. N.Alekseeva. Komm.Uz. 36 no.4:59-65 Ap '64.

UZBEKISTAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Promoting effective propaganda in the countryside. Kh.Pulatov. Part.zhizn' [Uzb.] 7 no.4:57-61 Ap '64.

UZBEKISTAN—ATHEISM—STUDY AND TEACHING

Consolidate the atheistic education of workers. R.Nishanov. Komm.Uz. 36 no.4:25-35 Ap '64.

UZBEKISTAN—BIOCHEMICAL RESEARCH

Man, the master of plants. E.Anatol'evskii. Nar.khoz. Sred.Az. 1 no.2:81-83 F '64.

UZBEKISTAN—BOOKSELLERS AND BOOKSELLING

Important party work. A.Berliand. Part.zhizn' [Uzb.] 7 no.4:61-66 Ap '64.

UZBEKISTAN—CAPITAL INVESTMENTS

The trend is toward the high efficiency of capital investments. S.Ziiadullaev. Nar.khoz.Sred.Az. 1 no.4:27-30 Ap '64.

UZBEKISTAN—CHEMISTRY—STUDY AND TEACHING

For the needs of large-scale chemistry. S.Sigov. Part.zhizn' [Uzb.] 7 no.4:20-24 Ap '64.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Develop a keen attitude to the fate of communism. D.Khodzhaev. Part.zhizn' [Uzb.] 7 no.4:44-50 Ap '64.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

"From heart to heart." G.Kamilov. Part.zhizn' [Uzb.] 7 no.4:90 Ap '64.

UZBEKISTAN—COMPOSITION (MUSIC)

Establishment of the National School of Musical Composition in Uzbekistan. T.S.Byzgo. Obshchestv.nauki v Uz. 8 no.1:38-44 '64.

UZBEKISTAN—COTTON—DISEASES AND PESTS

Controlling the cutworm Agrotis segetum in cotton fields. A.Muminov. Zashch.rast.ot vred.i bol. 9 no.4:21-22 '64.

UZBEKISTAN—COTTON—IRRIGATION

Salt conditions and soil moisture consumption by cotton when sprinkled under the conditions of a high groundwater table. L.F.Kharlamova. Dokl.TSKHA no.87: 93-100 '63.

UZBEKISTAN—COURTS

Further perfecting of the activities of the Supreme Court of the Uzbek S.S.R. K.Irkakhodzhaev. Obshchestv. nauki v Uz. 8 no.1:50-52 '64.

UZBEKISTAN—CUTWORMS—EXTERMINATION

Controlling the cutworm Agrotis segetum in cotton fields. A.Muminov. Zashch.rast.ot vred.i bol. 9 no.4:21-22 '64.

UZBEKISTAN—ECONOMIC CONDITIONS

Along the glorious Leninist road. Komm.Uz. 36 no.4: 7-15 Ap '64.

The first comprehensive work on the history of the national economy of Uzbekistan. R.Kh.Aminova, A.F. IAtsyshina. Obshchestv.nauki v Uz. 8 no.1:61-63 '64.

Uzbekistan's participation in the foreign economic relations of the U.S.S.R. Ch.Abutalinov. Komm.Uz. 36 no.4:80-87 Ap '64.

UZBEKISTAN—EDUCATION—STUDY AND TEACHING

The training of teachers' groups in Uzbekistan in the years of the Great Patriotic War. T.V.Gol'ianova. Obshchestv.nauki v Uz. 8 no.1:54-57 '64.

UZBEKISTAN—FEEDS

What will chemistry contribute to stockbreeding. N.Alekseeva. Komm.Uz. 36 no.4:59-65 Ap '64.

UZBEKISTAN—GEOLOGY

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut geologii i geofiziki. [Geology and minerals of Uzbekistan] Geologiia i poleznye iskopaemye Uzbekistana. Tashkent, Nauka, 1964. 199 p.

UZBEKISTAN—GEOLOGY, STRATIGRAPHIC

Subdivision principles of Quaternary deposits in southern Uzbekistan and the adjacent territories of Turkmenistan. O.IU.Poslavskaia. Nauch.trudy TashGU no.213.Geog. nauki no.24:38-45 '63.

UZBEKISTAN—GROWTH PROMOTING SUBSTANCES

The "life" water (the miracles of chemistry). M.Skripnik. Nar.khoz.Sred.Az. 1 no.3:85-87 Mr '64.

UZBEKISTAN—HISTORY

Lenin, V.I. [Central Asia and Uzbekistan] O Srednei Azii i Uzbekistane. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1957. 178 p.
(CSt-H)

UZBEKISTAN—HYDROPONICS

Green light for hydroponics! Part.zhizn' [Uzb.] 7 no.4: 24-28 Ap '64.

Hydroponics, a fertility without soil. A.Shuvaev. Nar. khoz.Sred.Az. 1 no.3:63-65 Mr '64.

UZBEKISTAN—INDUSTRIAL MANAGEMENT

Development of the rationalization movement in the industry of Uzbekistan during the postwar period, 1945-1953. V.I.Shapovalenko. Obshchestv.nauki v Uz. 8 no.1: 52-54 '64.

UZBEKISTAN—IRRIGATION FARMING

The role of ammelioration in the intensification of irrigation farming. G.Skoptsov. Komm.Uz. 36 no.4: 90-93 Ap '64.

UZBEKISTAN—LABOR AND LABORING CLASSES—EDUCATION

Increase the effectiveness of party propaganda. G.Liubimov. Komm.Uz. 36 no.4:44-48 Ap '64.

UZBEKISTAN—LABOR DAY

The Hammer and Sickle Holiday. N.Isakova. Part.zhizn' [Uzb.] 7 no.4:79 Ap '64.

UZBEKISTAN—MAN, INFLUENCE OF CLIMATE

Embryogenesis of the sebaceous glands of the skin of a human forehead under conditions of a dry, hot climate. A.I.Shumeiko. Nauch.trudy SamMI 21:94-101 '62.

UZBEKISTAN—MARRIAGE

Atakhodzhaev, F.M. [Origin and development of the Soviet laws on conclusion and dissolution of marriage in Uzbekistan] Vozniknovenie i razvitie sovetskogo zakonodatel'stva o zakliuchenii i rastorzhenii braka v Uzbekistane. Tashkent, Izd-vo SamGU, 1963. 130 p. (Tashkent.Universitet. Nauchnye trudy, no.218. IUridicheskie nauki, no.9)

UZBEKISTAN—METEOROLOGICAL STATIONS

Thus the communists act. Part.zhizn' [Uzb.] 7 no.4: 89-91 Ap '64.

UZBEKISTAN—MINERALS

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut geologii i geofiziki. [Geology and minerals of Uzbekistan] Geologiia i poleznye iskopaemye Uzbekistana. Tashkent, Nauka, 1964. 199 p.

UZBEKISTAN—OFFICIALS AND EMPLOYEES

They let themselves go.... R.Plungian. Sov.profsoiuzy 20 no.7:40-41 Ap '64.

UZBEKISTAN—ORIENTAL STUDIES

In the Institute of Oriental Studies of the Academy of Sciences of the Uzbek S.S.R. B.A.Akhmedov. Nar. Az.i Afr. no.3:210-211 '64.

UZBEKISTAN—PHYSICAL GEOGRAPHY

Practice in physicogeographical regionalization of the Uzbek S.S.R. L.N.Babushkin, N.A.Kogai. Nauch. trudy TashGU no.213.Geog.nauki no.24:3-12 '63.

UZBEKISTAN—PUBLIC HEALTH

Work of the Samarkand I.P.Pavlov Medical Institute in aiding the public health agencies of the republic. A.A. [illegible], B.R.Rustamov. Nauch.trudy SamMI 21: 11-[illegible] '62.

UZBEKISTAN—RURAL PLANNING

[illegible] practice to a scientific generalization. G.Kuznetsov. [illegible] no.4:110-112 Ap '64.

UZBEKISTAN—SALINE AND ALKALI SOILS

Salt conditions and soil moisture consumption by cotton when sprinkled under the conditions of a high ground-water table. L.F.Kharlamova. Dokl.TSKHA no.87: [illegible]

UZBEKISTAN—SALT MINES AND MINING

Accessory elements in the halide stratum of Tiubegatan. R.G.Osichkina. Uzb.khim.zhur. 8 no.2:12-17 '64.

UZBEKISTAN—SCIENCE—PERIODICALS

Some problems concerning the publishing and circulation of scientific literature. Kh.Alimtaev. Komm.Uz. [illegible] no.4:[illegible]-90 Ap '64.

UZBEKISTAN—SOCIAL SCIENCES

Achievements and aims of the further development of research at the Department of Social Sciences of the Academy of Sciences of the Uzbek S.S.R. Obshchestv. nauki v Uz. 8 no.1:5-11 '64.

UZBEKISTAN—SOCIAL SCIENCES—PERIODICALS

From the pages of the periodical "Obshchestvennye nauki v Uzbekistane." V.T.TSukanova. Vest.vys.shkoly 22 no.4:32-[illegible] Ap '64.

UZBEKISTAN—SOCIALIST COMPETITION

Standard bearers of the struggle for communist labor. F.A.Aripov. Obshchestv.nauki v Uz. 8 no.1:25-30 '64.

UZBEKISTAN—SOIL CONDITIONERS

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut khimii. [Polymeric and humic preparations in the national economy] Polimernye i gumiaovye preparaty v narodnom khoziaistve. Tashkent, Izd-vo "Nauka" UzSSR, 1964. 175 p.

UZBEKISTAN—SPRINKLING IRRIGATION

Salt conditions and soil moisture consumption by cotton when sprinkled under the conditions of a high ground-water table. L.F.Kharlamova. Dokl.TSKHA no.87: 91-100 '63.

UZBEKISTAN—STORES, RETAIL

Amortization and rentals. B.Shagolovich. Sov.torg. 37 no.4:10-11 Ap '64.

UZBEKISTAN—TECHNOLOGICAL INNOVATIONS

How to uncover potentials at the work area. A.Fokin. Nar.khoz.Sred.Az. 1 no.2:69-72 F '64.

UZBEKISTAN—WEED CONTROL—ECONOMIC ASPECTS

Economic effectiveness of using herbicides in the forest plantations and nurseries in Uzbekistan. M.S.Gershun, T.N.Guzeeva. Khim.v sel'.khoz. 2 no.2:50-51 F '64.

VACCINATION

Anatomicophysiological characteristics of the human and animal respiratory systems in the genesis of immunity following vaccination by the aerosol method. Report No.1: Role of the structure of the airways in the mechanical retention of inhaled material [with summary in English]. IU.S.Pisarevskii. Zhur.mikrobiol.,epid. i immun. 40 no.4:57-61 Ap '63.

VACCINES

Comparative study of the residual virulence of vaccinal strains of various types of Brucella. Report No.2 [with summary in English]. D.S.Kurdina. Zhur. mikrobiol.,epid.i immun. 40 no.4:97-102 Ap '63.

Data on the reactogenicity of pertussis-diphtheria-tetanus vaccine. R.V.Gordina and others. Zhur.mikrobiol.,epid.i immun. 40 no.9:14-18 S '63.

Effect of ultrasonic waves on whooping cough vaccine and diphtheria anatoxin; annotation. G.F.Maiorova, N.A. Borodiiuk. Zhur.mikrobiol.,epid.i immun. 40 no.4: 56 Ap '63.

Effect of vaccine therapy (by electrophoresis) on the dynamics of some immunological indices in scarlet fever [with summary in English]. P.A.Alisov, A.P.Kazantsev, M.L.Orechkina. Zhur.mikrobiol.,epid.i immun. 40 no.4:26-30 Ap '63.

Studying Abyssinian vaccine strains of African horse sickness. M.S.Shaburov. Veterinariia 40 no.10: 68-69 O '63.

Use of fluorescing microbial vaccines in laboratory practice. I.N.Zubzhitskii. Lab.delo no.4:242-244 '64.

VACUUM APPARATUS

Calculating the technological indices of sugar crystallization in vacuum apparatus. I.S.Skripko. Izv.vys.ucheb. zav.; pishch.tekh. no.2:130-133 '64.

Simple method for improving the high vacuum in MI-1305 mass spectrometers. IU.E.Seifaninov, K.V.Khomich. Prib.i tekh.eksp. 9 no.2:174-175 Mr-Ap '64.

VACUUM METALLURGY

Nekhendzi, IU.A. [Effect of vacuuming on the properties of cast alloys; stenographic record of lectures] Vliianie vakuumirovaniia na svoistva splavov v litom sostoianii; stenogramma lektsii. Leningrad, 1963. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Liteinoe proizvodstvo)

VACUUM METALLURGY—TESTING

Testing on a test stand the method of circulating vacuuming of liquid steel. O.Kh.Fatkullin, G.N.Oiks, I.I. Ansheles. Izv.vys.ucheb.zav.; chern.met. 7 no.5: 53-57 '64.

VACUUM PUMPS

Cold-cathode magnetic discharge pumps; review. IU.A. Karpov, E.I.Kontor, O.N.Talenskii. Prib.i tekh. eksp. 9 no.2:5-16 Mr-Ap '64.

VACUUM-TUBES see Electron tubes

VAGINA—INNERVATION

Changes in the interoceptive metabolic reflexes from the vagina at different stages of the sexual cycle [in Azerbaijani with summary in Russian]. V.A.Efendiova. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.12:89-94 '61.

VAGINA—TUMORS

Botyroid sarcoma of the vagina in a two-year-old girl. Z.A.Sloushch. Kaz.med.zhur. no.6:63-65 N-D '62.

VAGUS NERVE

Change in the inhibitive effect of the vagus nerve on the heart under the influence of caffeine. A.P.Dvoinina. Nauch.trudy Riaz.med.inst. 15:17-19 '62.

Effect of aphyllic acid on the transmission of impulses from the vagus nerve to the heart. V.A.Konovalova. Nauch.trudy SamMI 21:205-207 '62.

Morphology of the human vagus nerve; the cephalic and cervical sections. N.A.Levin, G.V.Stovichek. Sbor. nauch.rab.IAr.med.inst. no.18:5-25 '59.

Realization of the negative chronotropic vagal effect in compensatory cardiac hyperfunction. V.I.Kapel'ko. Dokl.AN SSSR 155 no.3:715-718 Mr '64.

Role of histamine and serotonin in radiation changes in the excitability of the vagus nerve center. M.M.Gromakovskaia. Dokl.AN SSSR 156 no.1:187-190 My '64.

VAGUS NERVE—SURGERY

Role of the vagus nerves in neurohumoral regulation of gastric secretion in man [with summary in English]. E.V.Loskutova. Khirurgiia 39 no.6:39-48 Je '63.

State of the smooth muscles of the stomach following the transection of the vagus nerves. L.I.D'iachkova. Nauch.trudy SamMI 21:74-78 '62.

VAISESIKA

Gosteeva, E.I. [Philosophy of Vaisesika] Filosofiia Vaisheshika. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 206 p.
(MH)

VAKHSH VALLEY—IRRIGATION

Studying the elements of the irrigation technique using extended furrows. A.A.Akzhanov. Dokl.TSKHA no.87:101-108 '63.

VALENCE (THEORETICAL CHEMISTRY)

Relationship between the valence vibration frequencies of water molecules and the hydrogen bonding energy. G.V.IUkhnevich, A.V.Kariakin. Dokl.AN SSSR 156 no.3:681-684 '64.

VALENY REGION—BITUMEN

Production of bitumen from Valeny oil. A.N.Bodan, A.K.Maskaev, V.I.Khrapko. Nefteper.i neftekhim. no.3:21-23 '64.

VALERIAN—PHYSIOLOGICAL EFFECT

Effective principles of valerian root. S.Kh.Babich, M.Bakenova. Apt.delo 11 no.5:69-71 S-O '62.

VALEROPHENONE

p-Methoxyvalerophenone. G.N.Dorofeenko, V.I.Karban. Metod.poluch.khim.reak.i prepar. no.6:85-87 '62.

VALLEYS see subdivision under Sakhalin; Ural Mountains

VALUE

Kaliuzhnyi, V.M., and I.F.Chubuk. [Capital and surplus value; a lecture for a course in economics] Kapital i pribavochnaia stoimost'; lektsiia po kursu politicheskoi ekonomii. Moskva, Vses.zaochnyi finansovo-ekonomicheskii in-t, 1960. 43 p.
[MICROFILM]

VALUE ANALYSIS (COST CONTROL)

The operation of the law of value in a socialist economy and problems of price formation [with summary in English]. M.F.Solodnikov, B.S.Andreev. Vest. LGU 19 no.5:5-13 '64.

VALVES

Automatic control of gate valves. A.I.Sutin, IU.V.Burdenko. Trudy VNIING no.2:103-105 '63.

Designing ball gland cocks. P.A.Zhukov, IU.M.K[illegible]skii, L.I.Eksler. Mash.i neft.obor. no.3:15-[illegible] '64.

Designing stop devices for the well-head equipment of flowing wells sealed with special lubricants. R.A. Ramazanov, A.M.Bel'tsova. Gaz.delo no.[illegible] '63.

Operation of the valves of a piston power pump. N.[illegible] Shamrai. Trudy BashNII NP no.6:[illegible] '63.

VAN ALLEN RADIATION BELTS

Determination of statistical characteristics of radiation belts above the clouds. M.S.Malkevich [illegible]. Kosm.issl. 2 no.2:257-265 Mr-Ap '64.

Geographical position of maxima of particle intensity in the external radiation belt at low altitudes. S.N. Vernov and others. Kosm.issl. 2 no.2:[illegible] Mr-Ap '64.

VANADIUM see subdivision under Tien Shan

VANADIUM—ANALYSIS

Chemical-spectral method for determining impurities in vanadium [with summary in English]. V.N.[illegible], V.L.Zolotavin, F.F.Gavrilov. Zhur.anal.khim. 19 no.1:111-116 '64.

VANADIUM COMPOUNDS—MAGNETIC PROPERTIES

Magnetic susceptibility of vanadyl compounds with carboxylic acids. V.V.Zelentsov, V.T.Kalinnikov. Dokl. AN SSSR 155 no.2:305-307 Mr '64.

VANADIUM OXIDES

Effect of the addition of oxides on the [illegible] chemical properties of vanadium pentoxide. V.P. Eliutin, IU.A.Pavlov, A.V.Manukhin. Izv.vys.ucheb. zav.; chern.met. 7 no.5:17-21 '64.

VANNIC LANGUAGE

Gvakhariia, V.A. [The vocabulary and sound system of the Urartic language] Slovar'-simfoniia urartskogo iazyka. Moskva, Izd-vo Vostochnoi lit-ry, [illegible]

VAPOR-LIQUID EQUILIBRIUM

Concentration of higher alcohols during the rectification of ethyl alcohol. B.D.Metiushev. Trudy KTIPP [illegible] 75-86 '63.

Equation for determining the coefficients of evaporation and rectification of isobutyl alcohol. B.D.Metiushev, A.I.Mandziuk, R.S.Petrova. Trudy KTIPP [illegible] 68-75 '63.

Equilibrium of a water-alcohol-sugar solution with its vapor at boiling temperature. S.E.Kharin, V.M. Perelygin. Izv.vys.ucheb.zav.; pishch.tekh. [illegible] 101-105 '64.

VAPOR PRESSURE

Addenda 1: Vapor pressure of some elements. Metod. anal.khim.reak.i prepar. no.7:83-84 '63.

Addenda 2: Vapor pressure of some compounds. Metod. anal.khim.reak.i prepar. no.7:85-86 '63.

Economic effectiveness of the use of a DII-4 vapor tension controller in a system for stabilizing gasoline. [illegible] Leitman and others. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:101-104 '64.

Effusion method for vapor tension measurements. S.I. Lozgachev. Zhur.fiz.khim. 37 no.3:644-[illegible] Mr '63.

VAPORS

Mechanism of an advance-stage purification of vapors by removing entrained drops in plate columns. A.M.[illegible], N.F.Alen'kin, S.I.Golub. Dokl.AN SSSR [illegible] 699-702 Ja '64.

VARDANIANTS, LEVON ARSENOVICH, 1893-

Levon Arsenovich Vardaniants; on his 70th birthday. Izv. AN Arm.SSR.Geol.i geog.nauki 16 no.6:3-[illegible] '63.

VARIABLE STARS see Stars, Variable

VARICORHINUS see subdivision under Mingechaur Reservoir

VARIX

Intravascular electrocoagulation of dilated subcutaneous varicose veins of the lower extremities. S.M.[illegible]. Eksper.khir.i anest. 8 no.4:36-37 Jl-Ag '63

Varicose veins of the esophagus with a diverticulum. I.I.Gordeev. Zhur.ush.,nos.i gorl.bol. 23 no.6:[illegible] N-D '63.

VARVARA RESERVOIR—WATER—COMPOSITION

Hydrochemical regime of Varvara Reservoir according to the observations of 1961 [in Azerbaijani with summary in Russian]. M.M.Guseinov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.1:49-52 '63.

VASHUTKINY LAKES—FRESHWATER FLORA

Higher plants of the Vashutkiny Lakes in Bol'shezemel'skaya Tundra, (Usa Basin). M.V.Getsen. Bot.zhur. 49 no.4:587-589 Ap '64.

VASIL'EV, VASILII PAVLOVICH, 1818-1900

Ilarionov, V.T. [The Russian sinologist, V.P.Vasil'ev, 1818-1900] Russkii sinolog V.P.Vasil'ev, 1818-1900 gg. Gor'kii, Izd. Gor'kovskogo gos.univ., 1959. 27 p.
[MICROFILM]

VASIUNKIN, ALEKSANDR IVANOVICH, d. 1918?

Shcheglov, A.I. [He was nineteen; a sketch] Emu bylo deviatnadtsat'; ocherk. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 57 p. (Bortsy za vlast' Sovetov)
(MH)

VASOMOTOR DRUGS

Effect of acetylcholine, pituitrin and barium chloride on the blood vessels of frogs with an increased and decreased tonus of the vascular wall. V.I. Zimovshchikov. Nauch.trudy Riaz.med.inst. 15;19-21 '62.

Effect of vasoconstrictors and vasodilators on the vessels of the extremities and the liver of frogs under conditions of a reduced tone of their wall. IU.F.Krylov. Nauch. trudy Riaz.med.inst. 15:42-45 '62.

Effect of vasomotor substances on the vessels of frogs in relation to the dose and the time of influence of external ionizing radiation. A.A.Nikulin. Nauch. trudy Riaz.med.inst. 15;100-113 '62.

VASYUGAN VALLEY—ANTIQUITIES

The Vasyugan treasure. V.A. Mogil'nikov. Sov. arkheol. 8 no.2;227-231 '64.

VATICAN COUNCIL, 1962-

After the session of the Ecumenical Council. N.Koval'skii. Mir.ekon.i mezhdunar.otn. no.4;50-59 '64.

Political and ideological adaptation process in the Catholic Church. L.N. Velikovich. Vop.filos. 18 no.4;134-144 '64.

VECTOR ANALYSIS

Generalization of a Fourier transformation in a space of vector functions. V.M.Kabanov. Uch.zap.KHGU 115; 67-90 '61.

VECTORCARDIOGRAPHY

Effect of diet and food tests (proteins, fats and carbohydrates) on cardiac activity in patients with coronary sclerosis in combination with hypertensive disease; based on vectocardiographic data. V.A. Trangelzer. Vop.pit. 21 no.5;9-13 S-O '62.

Tartakovskii, M.B. [Fundamentals of clinical vectorcardiography] Osnovy klinicheskoi vektorkardiografii. [Leningrad] Meditsina, 1964. 434 p.
(DNLM)

VEDI DISTRICT—FIELD CROPS

Improving the complex of machines for the overall mechanization of growing perennial plants on the Kirov State Farm in Vedi District, Armenian S.S.R. G.G.Muradian, Zh.A.Agadzhanian. Trudy Arm.NIIMESKH no.1;17-26 '63.

VEDI DISTRICT—GRAPES

Improving the complex of machines for the overall mechanization of growing perennial plants on the Kirov State Farm in Vedi District, Armenian S.S.R. G.G.Muradian, Zh.A.Agadzhanian. Trudy Arm.NIIMESKH no.1;17-26 '63.

VEGETABLE GARDENING see subdivision under Moscow region

VEGETABLE TRADE see subdivision under Kuybyshev Province

VEGETABLE TRADE—ACCOUNTING see subdivision under Kislovodsk

VEGETABLES—STORAGE

Mechanized storage of vegetables. F.Ryzhkov. NTO 6 no.4;32-33 Ap '64.

VEGETABLES—THERMAL PROPERTIES

Heat capacity of fruit and vegetables. V.Z.Zhadan, A.A. Movchan. Izv.vys.ucheb.zav.; pishch.tekh. no.2:121 '64.

VEGETABLES—TRANSPORTATION

Reduce fresh vegetable losses in automotive transportation. M.Usatiuk, V.Kazymov. Sov.torg. 37 no.4;33-34 Ap '64.

VEINS

Projection anatomy of the intrapericardial segments of the vessels of the heart root. G.N.Toporov. Khirurgiia no.1;23-27 '63.

Use of autoplast veins reinforced by perlon casings for plastic surgery of peripheral arteries under experimental conditions. IU.G.Shaposhnikov. Eksper.khir.i anest. 8 no.4:42-46 Jl-Ag '63.

VEINS—DISEASES

Mamamtavrishvili, D.G. [Diseases of the veins] Bolezni ven. Moskva, Izd-vo "Meditsina," 1964. 385 p. (Biblioteka prakticheskogo vracha)
(DNLM)

VEINS—INNERVATION

Afferent innervation of cerebral veins [with summary in English]. S.S.Mikhailov, I.I.Kagan, V.I.Eremenko. Vop.neirokhir. 27 no.5;7-12 S-O '63.

VELICHKO, VASILII

A life for a life. M.Verbinskii. Sov.voin 44 no.23;2-3 D '62.

VENA CAVA—DISEASES

New technique of plastic surgery in inferior vena cava defect. F.Sh.Sharafislamov. Khirurgiia no.1;40-42 '63.

Obstruction of the superior vena cava as a complication of Paget-Schroetter syndrome. E.P.Dumpe. Khirurgiia no.1;123-125 '63.

VENDING MACHINES

Study of the possibility of distributing pharmaceutical products by vending machines [with summary in English]. E.I.Panchenko, V.L.Tarsis. Apt.delo 11 no.5;25-30 S-O '62.

VENEREAL DISEASES

Dissertations on skin and venereal diseases before the Great October Revolution. A.S.Chubarova, L.I.Kocharova. Nauch.trudy GIDUV no.12;129-136 '57.

VENEREAL DISEASES—HOSPITALS see subdivision under Leningrad

VENEREOLOGY

Experience with the correspondence and resident specialization of dermatovenereologists. A.I. Kartamyshev. Vest.derm.i ven. 37 no.4;58-61 Ap '63.

Specialization and training of dermatovenereologists. P.V.Kozhevnikov. Vest.derm.i ven. 37 no.4;3-8 Ap '63.

VENEREOLOGY—BIBLIOGRAPHY see Bibliography—Venereology

VENEZUELA—TRADE UNIONS

Stop repressions against trade unions in Venezuela. Vsem.prof.dvizh. no.11;52 N '63.

VENGEROV, SEMEN AFANAS'EVICH, 1855-1920

Kalent'eva, A.G. [In love with literature; a sketch of the life and work of S.A.Vengerov, 1855-1920] Vliublennyi v literaturu; ocherk zhizni i deiatel'nosti S.A.Venergov. 1855-1920. Moskva, Izd-vo "Kniga," 1963. 78 p.
(CSt-H)

VENOM—PHYSIOLOGICAL EFFECT

Sultanov, M.N. [Venomous bites; treatment and prevention] IAdovitye ukusy; lechenie i profilaktika. Moskva, Izd-vo "Meditsina," 1964. 53 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

VENOM—THERAPEUTIC USE

Effect of animal toxins on the excitation and inhibition processes during the epileptiform reaction in rats. B.N.Orlov. Nauch.dokl.vys.shkoly; biol.nauki no.2:80-84 '64.

VENTILATION

Air flow conditions in grain cleaning. G.V.Maiorov. Mekh.i elek.sots.sel'khoz. 22 no.1:54-55 '64.

VENTTSEL', KONSTANTIN NIKOLAEVICH, 1857-1947

K.N.Venttsel', outstanding representative of the theory of liberal education (1857-1947). F.F.Korolev. Sov. pedag. 28 no.4:73-81 Ap '64.

VENUS (PLANET)—SPECTRA

New observations of the infrared Venus spectrum (λ 1.2-3.8 μ). V.I.Moroz. Astron.tsir. no.262: 6-7 O '63.

Spectrophotometry of Venus and Mars in the 7,000-10,000 Å range. V.F.Esipov, V.I.Moroz. Astron. tsir. no.262;1-3 O '63.

VERDOPEROXIDASE

Modified method for detecting myeloperoxidase. R.P. Nartsissov. Lab.delo no.3:150-151 '64.

VERKHNE-DNEPROVSK (DNEPROPETROVSK PROVINCE)-MOLASSES

Daily production analysis. B.Vladimirskii. Fin.SSSR 38 no.3;50-52 Mr '64.

VERKHNE-DNEPROVSK (DNEPROPETROVSK PROVINCE)-STARCH INDUSTRY—ACCOUNTING

Daily production analysis. B.Vladimirskii. Fin.SSSR 38 no.3;50-52 Mr '64.

VERKHOYANSK RANGE—PETROLEUM GEOLOGY

Types of local uplifts in the Vilyuy syneclise and the central part of the Verkhoyansk Range. IU.P.Mironchev, IU.P.Tikhomirov. Neftegaz.geol.i geofiz. no.3;29-33 '64.

VERKHOYANSK RANGE REGION—GEOLOGY, STRUCTURAL

Unconformities within the Verkhoyansk complex. L.P. Zonenshain. Izv.AN SSSR.Ser.geol. 29 no.4:90-94 Ap '64.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

Founder of the new science of marine chemistry. V.I. Vernadskii. V.I.Vul'fson. Okeanologiia 4 no.2;193-204 '64.

VERTEBRATES
(see also subdivision under Altai Territory; Balkhan Range)

Brain and the mechanisms of its evolution in vertebrates. M.F.Nikitenko. Usp.sovr.biol. 56 no.3:442-465 '63.

VESTIBULAR APPARATUS

Sensitivity of the vestibular analysor and sensory reactions of man during short periods of weightlessness. E.M.IUganov, I.A.Sidel'nikov, A.I.Gorshkov, I.I. Kas'ian. Izv.AN SSSR.Ser.biol. no.3;369-375 My-Je '64.

VETCH

Amino acid composition and crude protein content in the herbage of vetch and sainfoin. E.V.Kolobkova, N.A.Kudriashova. Biul.Glav.bot.sada no.48:48-53 '63.

VETERINARY HELMINTHOLOGY

Using chemical preparations in the control of monieziasis in farm ruminants. IU.H.IAgorau, A.F.Babkova. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:123-125 '64.

VETERINARY HYGIENE
(see also subdivision under Krasnodar Territory)

Fall tasks of veterinary specialists. Veterinariia 40 no.10;1-3 O '63.

Infection focuses. A.A.Boiko. Veterinariia 40 no.10: 9-11 O '63.

VETERINARY HYGIENE—STUDY AND TEACHING

Tereza, S.I. [Elementary lectures for students of the Faculty of Veterinary Hygiene] Prosteishie lektsii dlia studentov veterinarno-sanitarnogo fakul'teta. Moskva, Mosk. tekhnologicheskii in-t miasnoi i molochnoi promyshl., 1963. 36 p.
[DNAL MICROFILM]

VETERINARY MATERIA MEDICA AND PHARMACY
(see also subdivision under Poland)

Concentration and duration of the presence of monomycin in the fluids and tissues of lambs. G.A.Shakarian, M.A.Oganesian, Z.M.Akopian. Izv.AN Arm.SSR. Biol.nauki 17 no.3;73-82 Mr '64.

VETERINARY MEDICINE
(see also subdivision under East Kazakhstan Province)

Book reviews and bibliography. Veterinariia 40 no.10: 83-86 O '63.

Ginzburg, A.G. [Veterinary medicine in the service of man] Veterinariia sluzhit cheloveku. Moskva, Izd-vo "Znanie," 1964. 53 p. (Novoe v zhizni, nauke, tekhnike. V Seriia; Sel'skoe khoziaistvo, no.7)

Information and brief news. Veterinariia 40 no.10: 87-93 O '63.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref.zhur.: Zhiv.Vet. nos.9-11 My-Je '64.

VETERINARY MEDICINE—CONGRESSES

Veterinary medicine abroad. N.Gritseniuk, V.A.Alikaev. Veterinariia 40 no.10:77-82 O '63.

VETERINARY MICROBIOLOGY

Harmfulness of Sarcocystis tenella Railliet, 1886. N.G. Levchenko. Paraz.sel'khoz.zhiv.Kazakh. 2:158-162 '63.

VETERINARY OBSTETRICS

Mechanism of secretion in the abomasum of sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst. fiziol.AN Kazakh.SSR 5;39-47 '63.

Some characteristics of pancreatic secretion and the bile secreting function of the liver in sheep during pregnancy and lactation. K.T.Tashenov. Trudy Inst. fiziol.AN Kazakh.SSR 5;33-38 '63.

Total protein and its fractions in the blood serum of sheep during pregnancy. A.IU.Kozhakhmetova. Trudy Inst.fiziol.AN Kazakh.SSR 5:144-150 '63.

Using the cesarean section. V.M.Voskoboinikov. Veterinariia 40 no.10;39-40 O '63.

VETERINARY PHYSIOLOGY

Effect of various synthetic nitrogen compounds on the organism of animals. V.P.Kolonii, G.I.Vilesov. Khim.v sel'.khoz. 2 no.3;40-46 Mr '64.

VETERINARY PHYSIOLOGY—RESEARCH

Developing Pavlov's method of studying the physiology of digestion in farm animals [with summary in English]. P.I.Zherebtsov, V.F.Vrakin. Izv.TSKHA no.1;77-88 '60.

VETERINARY SURGERY

Splenectomy in cattle and sheep. P.A.Rasskazovskii. Trudy Stavr.sel'khoz.inst. no.11;148-151 '62.

VETERINARY TOXICOLOGY

Fusariotoxicosis of farm animals. I.A.Kurmanov. Veterinariia 40 no.10;55-58 O '63.

VIADUCTS

At the building site of the Kozinsk viaduct. V.N.Kutsenko. Transp.stroi. 13 no.11:15-16 N '63.

VIBRATED CONCRETE

Lowering the viscosity of dispersed systems by vibration. N.B. Ura, Mikhailov, N.V. Mikhailov. Dokl. AN SSSR 155 no. 4:920-923 Ap '64.

New [illegible] for compacting concrete. L.P. [illegible], G.G. [illegible]. Mekh. stroi. 21 no. 4: [illegible] Ap '64.

VIBRATION

Dynamic [illegible] of the mechanisms on a vibrating [illegible] with the [illegible] of [illegible] friction. Report [illegible] equations of dynamics and the periodic [illegible] E. [illegible]. Trudy AN Lit. SSR. Ser. B [illegible] '63.

Effect of external periodic forces on monofrequent vibration in systems with many degrees of freedom [with summary in English]. N.IE. Stoliars'ka. Dop. AN URSR no. 2:155-159 '64.

[illegible] of the dynamic characteristics of sound-insulating and vibrationproof materials in the case of [illegible]; review. G.S. Rosin. Akust. zhur. 10 no. 1:1-10 '64.

[illegible] bending and torsional vibrations of the [illegible] system. E.G. Goloskokov, A.P. Filippov. Izv. AN SSSR. Otd. tekh. nauk. Mekh. i mashinostr. no. 2:153-157 Mr-Ap '64.

Wave processes during longitudinal shock and measuring [illegible] for their registration. S.B. Benilov. Trudy MIIT no. 171:123-145 '63.

VIBRATION—PHYSIOLOGICAL EFFECT

Prevention of vibration disease. N.M. Kuchinskaia, TS.I. Rubinshtein, E.I. Fridliand. Zdrav. Bel. 9 no. 6: 56-57 Je '63.

VIBRATORS

Calculating inclined flat vibrating screens. L.P. Sergeev. Trudy VNIIZ no. 42:311-317 '63.

Calculation of power-operated cutting vibrators. A.V. [illegible]. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 1: 112-116 '64.

Energy required for and efficiency in the disintegration of frozen ground by a ramming device with a vibratory hammer. M.A. Garin. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 8:111-116 '63.

Equations of the motion of a magnetostrictive vibrator at different frequencies of a variable magnetic field. V.I. Sorokogatov. Trudy MIIT no. 171:79-92 '63.

High-speed vibration method for processing grain. A.I. Petrasov. Trudy VNIIZ no. 42:57-61 '63.

Investigating the performance of a vibrating sifter during the separation of small seeds. P.I. Leont'ev. Trudy VNIIZ no. 42:145-152 '63.

Multiple automatic synchronization of mechanical vibrators. K. Ragulskis. Trudy AN Lit. SSR. Ser. B no. 1: 13-143 '63.

The problem of the synchronization of dynamic systems. I.I. Blekhman. Prikl. mat. i mekh. 28 no. 2:193-215 Mr-Ap '64.

Results of investigating the process of vibration screening in grain dressing. V.A. Perov. Trudy VNIIZ no. 42: 319-325 '63.

Some theoretical problems of the effect of vertical vibrations on a layer of grain and experimental investigations. R.N. Volik. Trudy VNIIZ no. 42:77-90 '63.

Studying the regularities of vibration and vibration-pneumatic conveying of bulk loads. I.F. Goncharevich. Trudy VNIIZ no. 42:119-132 '63.

Theoretical principles underlying the laminar flow of loose material over sifters and vibrating surfaces. A.N. Zhuravlev. Trudy VNIIZ no. 42:29-46 '63.

Theoretical principles underlying the vibration separation of grain mixtures. G.E. Listopad. Trudy VNIIZ no. 42: 133-144 '63.

Theory and calculations of a vibrating screen for sorting seeds and other loose materials. P.M. Zaika. Trudy VNIIZ no. 42:63-75 '63.

Theory of a conic vibrating centrifugal sorting machine. A.N. Zhuravlev. Trudy VNIIZ no. 42:109-118 '63.

Vibration centrifuging of grain. A.F. Ul'ianov, A.I. Bochkarev, G.F. Kulakov. Trudy VNIIZ no. 42:153-166 '63.

VIBRIO see subdivision under Kola Gulf

VIBRIO COMMA

Nucleic acids in cholera and choleralike vibriones [with summary in English]. L.M. Pustovalova. Vop. med. khim. 8 no. 6:578-581 N-D '62.

VIETNAM, NORTH—ECONOMIC POLICY

Several problems of finance in the first five-year plan of the Democratic Republic of Vietnam. Ngok Kkhue. Fin. SSSR 38 no. 3:73-81 Mr '64.

VIETNAM, NORTH—FINANCE

Several problems of finance in the first five-year plan of the Democratic Republic of Vietnam. Ngok Kkhue. Fin. SSSR 38 no. 3:73-81 Mr '64.

VIETNAM, NORTH—PUBLIC PROSECUTORS

Public prosecutors of the Democratic Republic of Vietnam struggle for a strict observance of socialist laws. I. Pankratov. Sots. zakon. 40 no. 12:63-67 D '63.

VIETNAM, NORTH—RED CROSS

Humanitarian aid to patriots. F.G. Zakharov. Mezhdunar. zhizn' 11 no. 5:119-121 My '64.

VIETNAM, NORTH—SOIL RESEARCH

Nature of the structure of humid tropical soils (North Vietnam). V.M. Fridland, K.IA. Dorokhova, A.I. Zhitkova. Dokl. AN SSSR 154 no. 3:707-709 Ja '64.

VIETNAM, NORTH—SOILS

Fridland, V.M. [Soils and weathering surfaces of humid tropics as revealed by a study in North Vietnam] Pochvy i kory vyvetrivaniia vlazhnykh tropikov; na primere Severnogo V'etnama. Moskva, Izd-vo "Nauka," 1964. 311 p. (insert)

VIETNAM, NORTH—ULTRABASITE

Late geosynclinal ultrabasites in North Vietnam. E.P. Izokh, Nguyen Van T'en. Dokl. AN SSSR 155 no. 3: 569-572 Mr '64.

VIETNAM, NORTH—WEATHERING

Fridland, V.M. [Soils and weathering surfaces of humid tropics as revealed by a study in North Vietnam] Pochvy i kory vyvetrivaniia vlazhnykh tropikov; na primere Severnogo V'etnama. Moskva, Izd-vo "Nauka," 1964. 311 p. (insert)

VIETNAM, SOUTH—MEDICAL ASSISTANCE, RUSSIAN

Humanitarian aid to patriots. F.G. Zakharov. Mezhdunar. zhizn' 11 no. 5:119-121 My '64.

VIKHLIAEV, IVAN IVANOVICH, 1870-

Professor Ivan Ivanovich Vikhliaev. Torf. prom. 41 no. 3:32 '64.

VILNIUS—MILITARY EDUCATION

[Serving the fatherland] Na sluzhbie Otechestva. San Francisco, 1963. 527 p.

VILYUY LOWLAND—PETROLEUM GEOLOGY

Types of local uplifts in the Vilyuy syneclise and the central part of the Verkhoyansk Range. IU. P. Mironchev, IU. P. Tikhomirov. Neftegaz. geol. i geofiz. no. 3:29-33 '64.

VINNITSA—ENCEPHALITIS

Clinical aspects of the lethargic form of present-day epidemic encephalitis. B.I. Rudaia. Zhur. nevr. i psikh. 64 no. 3:334-339 '64.

VINNITSA PROVINCE—FEED MILLS—DESIGN AND CONSTRUCTION

Workshop for producing feeds from corncob cuttings. B. Plakhotniuk. Sil'. bud. 13 no. 4:10-12 Ap '63.

VINNITSA PROVINCE—TRACTORS

Modern way of the organization of the work of machinery operators. I.P. Dmytryshyn. Mekh. sil'. hosp. 15 no. 5:19-20 My '64.

VINYL ACETATE

Radiation-induced polymerization in the solid phase. Part 2: Polymerization of vinyl acetate. Variations of the temperature dependence of the polymerization rate. [with summary in English]. I.M. Barkalov and others. Vysokom. soed. 6 no. 1:98-102 Ja '64.

Telomerization of vinyl acetate by chlorocyanogen. E.I. Vasil'eva, B.I. Keda, R.Kh. Freidlina. Dokl. AN SSSR 156 no. 3:601-603 '64.

VINYL ACETATE POLYMERS—OPTICAL PROPERTIES

Photoelastic effect in swollen polymers. Part 3: Polyvinyl acetate [with summary in English]. V.N. TSvetkov and others. Vysokom. soed. 6 no. 3:384-388 Mr '64.

VINYL ALCOHOL POLYMERS

Comparative evaluation of drains made of rubber and polyvinyl alcohol. V.F. Anisimov, A.K. Palamarchuk. Eksper. khir. i anest. 8 no. 4:19-20 Jl-Ag '63.

Effect of the structure of polyvinyl alcohol films on the mechanism of their pyrolysis. G.I. Distler, P.S. Sotnikov, E.I. Kortukova. Dokl. AN SSSR 156 no. 3: 652-653 '64.

Studying the kinetics of the formation of the structure of polyvinyl alcohol fibers. A.V. Budylov and others. Khim. volok. no. 2:24-27 '64.

Studying the stresses occurring during the heating of fibers made from polyvinyl alcohol. M.I. Bessonov, A.P. Rudakov. Khim. volok. no. 2:30-35 '64.

Synthesis of modified polyvinyl alcohol fibers having ion exchange properties. L.M. Sergeeva, Z.A. Rogovin. Khim. volok. no. 2:27-30 '64.

Synthetic fibers made from polyvinyl alcohol used in the manufacture of paper. S.N. Ivanov, G.M. Gorskii. Bum. prom. no. 1:4-6 Ja '64.

Wet method for the formation of polyvinyl alcohol fibers. K.E. Perepelkin, O.I. Nachinkin. Khim. volok. no. 2: 19-24 '64.

VINYL COMPOUND POLYMERS

Problem of the plasticization of polyvinyl chloride with plasticizers of various chemical natures and their mixtures. N.K. Moshchinskaia, N.N. Vasil'ev, N.N. Budinskaia. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:127-131 '64.

Spectrophotometric study of aqueous solutions of [illegible] vinyl borate. V.O. Mokhnach, I.P. Zueva. Dokl. AN SSSR 155 no. 4:846-849 Ap '64.

Study of the structural characteristics of polyvinyl chloride by the plasticization method [with summary in English]. I.N. Razinskaia, B.P. Shtarkman, [illegible]. Vysokom. soed. 6 no. 3:427-431 Mr '64.

VINYL COMPOUND POLYMERS—ELECTRIC PROPERTIES

Dielectric properties of plasticized polyvinyl chloride [with summary in English]. I.N. Razinskaia, [illegible] Kozlov, B.P. Shtarkman. Vysokom. soed. [illegible] 521 Mr '64.

VINYL COMPOUNDS

Preparation of graft copolymers. Report No. 17: [illegible] polymers of polytrifluorochloroethylene and vinyl [illegible] mers. V.V. Korshak, K.K. Mozgova, T.M. [illegible]. Izv. AN SSSR. Ser. khim. no. 4:716-720 Ap '64.

VINYL ETHERS

New polymers of vinyl ethers. Report No. 4: Stereospecific copolymerization of vinyl ethers with methyl acrylate and methyl methacrylate at room temperature. S. Shamakhmudova, A.V. Bogdanova, M.F. [illegible]. Izv. AN SSSR. Ser. khim. no. 4:709-715 Ap '64.

Reactivity of the hydrate forms of aldehydes. Interaction of chloral hydrate with some vinyl ethers. M.F. Shostakovskii and others. Dokl. AN SSSR [illegible] 660 Ja '64.

VINYL POLYMERS

Determining the migratory stability of organic [illegible] and lacquer in polyvinyl chloride films. [illegible] and others. Kozh.-obuv. prom. 6 no. [illegible] Ap '64.

Economics of the production of vinyl chloride [illegible] IU.T. Livshits, R.F. Shidlovskaia. Plast. massy [illegible] 46-49 '64.

Kagan, D.F. [Pipelines made of solid polyvinyl chloride] Truboprovody iz tverdogo polivinilkhlorida. Moskva, Izd-vo "Khimiia," 1964. 270 p.

Molding polyvinyl chloride building fittings. [illegible] kova. Stroi. mat. 9 no. 8:27-28 Ag '63.

Studies in the field of the mechanochemistry of polymers. Change in the fractional composition of polyvinyl chloride during plasticizing. A.A. Berlin, V.F. [illegible]. Plast. massy no. 5:4-7 '64.

VIOLURIC ACID

Interaction of some cations with violuric acid. [illegible] A.S. Bogonostsev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 1:15-18 '64.

VIRGIN TERRITORY—AGRICULTURE

For the efficient organization of agriculture in the virgin land. F. Kolomiets. Ekon. sel'khoz. 35 no. [illegible] Mr '64.

Grain of our virgin lands. Part. zhizn' Kazakh. 31 [i.e. 32] no. 8:3-8 Ag '62.

A powerful source of field harvest increase. [illegible] kal'skii. Priroda 53 no. 5:69-77 '64.

Important problems of the agriculture in virgin lands. A.I. Baraev. Zemledelie 26 no. 1:48-55 Ja '64.

VIRGIN TERRITORY—ECONOMIC CONDITIONS

Serious shortcomings. I. Portnoi, O. Omarov. Part. zhizn' Kazakh. 31[i.e. 32] no. 8:77-78 Ag '62.

VIRGIN TERRITORY—FARM MECHANIZATION

"Tractor plus tractor." A. Sokira. Part. zhizn' Kazakh. 31[i.e. 32] no. 8:40-48 Ag '62.

VIRGIN TERRITORY—GRAIN

Sowing dates for spring grain in the Virgin Territory. M.V. Karpenko. Zemledelie 26 no. 4:76 Ap '64.

VIRGIN TERRITORY—INDUSTRIAL ORGANIZATION

A regional economic council and its work method. E. Volkov, P. Skliarov. Nar. khoz. Kazakh. 37 no. 4: 55-59 Ap '64.

VIRGIN TERRITORY—PLANTING TIME

Sowing dates for spring grain in the virgin Territory. M.V. Karpenko. Zemledelie 26 no. 4:76 Ap '64.

VIRGIN TERRITORY—PROTOZOA, PATHOGENIC

Intestinal Protozoa of swine in the Virgin Territory. R.N. Appasov. Paraz. sel'khoz. zhiv. Kazakh. 2 [illegible] 153 '63.

VIRGIN TERRITORY—RECLAMATION OF LAND

Mikhailov, F.K., and I.Sh. Shamshatov. [Popular movement for the reclamation of the virgin lands in Kazakhstan, 1953-1960] Narodnoe dvizhenie za osvoenie tselinnykh zemel' v Kazakhstane, (1953-1960 gody). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961. 359 p.

VIRGIN TERRITORY—SOWING

Virgin territory on the eve of sowing. Part. zhizn' Kazakh. 34 no. 4:9-10 Ap '64.

VIRGIN TERRITORY—SPRAYING AND DUSTING EQUIPMENT

Using blower-type sprayer in weed control in virgin lands. S.F.Prokopenko, V.S.Podshivalov. Zemledelie 26 no.4:41-43 Ap '64.

VIRGIN TERRITORY—SWINE—DISEASES AND PESTS

Intestinal Protozoa of swine in the Virgin Territory. R.N. Appasov. Paraz. sel'khoz. zhiv. Kazakh. 2:147-153 '63.

VIRGIN TERRITORY—WEED CONTROL

Using blower-type sprayer in weed control in virgin lands. S.F.Prokopenko, V.S.Podshivalov. Zemledelie 26 no.4:41-43 Ap '64.

Using herbicides in the Virgin Territory. P.V.Shin. Khim.v sel'.khoz. 2 no.2:45-47 F '64.

VIRGIN TERRITORY IN LITERATURE

From simple description to literary generalizations. S. Mart'ianov. Part.zhizn' Kazakh. 31[i.e.32] no.8: 71-76 Ag '62.

VIROLOGY

Reviews, criticism and bibliography. Zhur.mikrobiol., epid.i immun. 40 no.4:146-153 Ap '63.

Thermostatic box for transporting chicken embryos. N.D.Alekseenko. Lab.delo no.3:187 '64.

VIRUS DISEASES

Contagious viral rhinitis. R.S.Dreizin. Vop.med.virus. no.5 pt.2:187-191 '58.

Insects as vectors of human and animal viruses [with summary in English]. A.V.Gutsevich. Zool.zhur. 43 no.3:420-442 '64.

Lass, D.I. [Virus diseases of the skin] Virusnye bolezni kozhi. Moskva, Meditsina, 1964. 31 p. (Nauchnopopuliarnaia meditsinskaia literatura)
(DNLM)

Rheumatic fever and multiple sclerosis. D.T.Kuimov, O.M.Zalesskaia. Zhur.nevr.i psikh. 64 no.3:370-375 '64.

VIRUS DISEASES IN ANIMALS

Intracellular synthesis of leucosis and sarcoma viruses in birds. V.A.Parnes. Usp.sovr.biol. 56 no.3:431-441 '63.

VIRUS RESEARCH

Methodology of cultivating in vitro guinea pig embryo kidneys. S.D.Irzhanov. Lab.delo no.5:267-269 '64.

Methodology of typing enteroviruses. I.A.Sutin, G.F. Zharkova. Lab.delo no.4:240-242 '64.

VIRUSES

Role of viruses in the etiology of cancer [with summary in English]. L.A.Zil'ber. Izv.AN SSSR.Ser.biol. no.2:167-179 Mr-Ap '63.

Viral etiology of multiple sclerosis. D.A.Kaplan and others. Zhur.nevr.i psikh. 64 no.3:366-369 '64.

VIRUSES—CULTURES AND CULTURE MEDIA

Characteristics of the virus of hog cholera grown in tissue cultures. V.G.Airapetian, A.B.Khachatrian, G.K.Boiadzhian. Veterinariia 40 no.10:29-30 O '63.

Results of the cultivation of the HeLa strain. R.S.Dreizin, A.A.Davydova, O.D.IAnkevich. Vop.med.virus. no.5 pt.2:183-186 '58.

VISCOSIMETER

Calibration liquids and the control test of viscosimeters having the diameters of capillaries above 2mm. T.I. Sorokoumova, N.A.Chesnokov. Trudy inst.Kom.stand., mer i izm.prib. no.68:80-85 '63.

Calibration liquids for the control test of viscosimeters. G.A.Maliarov and others. Trudy inst.Kom.stand., mer i izm.prib. no.68:86-90 '63.

High-pressure rotary viscosimeter for small amounts of liquid. M.M.Kusakov, L.A.Konovalova, A.A.Konstantinov. Inzh.-fiz.zhur. 7 no.3:27-33 Mr '64.

VISCOSIMETRY

Analyzing the rheological characteristics of paint materials by means of the rotary GIPI-4 viscosimeter. T.A.Amfiteatrova, I.V.Surikov, E.S.Stepanova. Lakokras.mat.i ikh prim. no.5:64-65 '64.

Determining the constant of a viscoplastic drilling-fluid flow. A.M.Avanesova, T.S.IAnkelevich. Azerb.neft. khoz. 43 no.4:24-25 Ap '64.

VISCOSITY

Automatic evacuation of viscous oils and petroleum products from pipelines. K.G.Donets, V.I.Chernikin. Transp.i khran.nefti no.11:3-6 '63.

Determining the viscosity of cement raw material mixtures in a pyro-plastic state. L.IA.Gol'dshtein and others. Trudy Giprotsement no.26:130-142 '63.

Effect of the intrinsic viscosity of macromolecules on their deformability in the flow [with summary in English]. E.V.Frisman, Siul Mao [Hsü Mao]. Vysokom. soed. 6 no.1:41-46 Ja '64.

Experimental study of the viscosity of helium and nitrogen. R.A.Makavetskas, V.N.Popov, N.V. TSederberg. Teplofiz.vys.temp. 1 no.2:191-197 S-O '63.

Investigation of the viscosiaty of petroleum emulsions. G.A.Pektemirov. Trudy VNIING no.2:78-80 '63.

Lowering the viscosity of dispersed systems by vibration. Nik.Vas.Mikhailov, N.V.Mikhailov. Dokl.AN SSSR 155 no.4:920-923 Ap '64.

Relationship between molecular weight and intrinsic viscosity of cellulose in solutions of the cadmium ethylenediamine complex [with summary in English]. L.S.Bolotnikova, T.I.Samsonova. Vysokom.soed. 6 no.3:533-537 Mr '64.

Viscosity and molecular weight of polytrichlorobutadiene [with summary in English]. S.A.Pavlova, T.A. Soboleva, A.P.Suprun. Vysokom.soed. 6 no.1:122-124 Ja '64.

Viscosity of isooctane, cyclopentane, cyclohexane, and their saturated vapors. Kh.M.Khalilov. Zhur.fiz. khim. 36 no.11:2474-2477 N '62.

Viscosity of water within a temperature range of O to 60°C. I.A.Stul'ginskaia, N.A.Chesnokov. Trudy inst.Kom.stand., mer i izm.prib. no.68:100-106 '63.

VISION

Nomogram for determining the speed and probability of recognition. A.S.Shaikevich. Svetotekhnika 10 no.1: 19-22 Ja '64.

Synchronous and consecutive information processing in the visual system. V.D.Glezer, A.A.Nevskaia. Dokl. AN SSSR 155 no.3:711-714 Mr '64.

VITAMIN THERAPY

Carbohydrate-phosphorus metabolism in the skeletal muscle of adrenalectomized animals during treatment with cortisone and vitamins C and P [with summary in English]. O.M.Ivaniuta. Ukr.biokhim.zhur. 35 no.1: 30-34 '63.

VITAMINS

Kazakova, E.M. [Vitamins and their role in the human organism] Vitaminy i ikh rol' v organizme cheloveka. Cheboksary, Chuvashskoe gos. izd-vo, 1959. 39 p.
[DNLM MICROFILM]

Orotic acid and its relation to some vitamins. B.A. Lavrov. Vop.pit. 21 no.6:68-77 N-D '62.

Siberian conference on vitamins. N.G.Salatova. Okhr. prir.Sib.i Dal'.Vost. no.1:244-246 '62.

Vitaminization of flour at the Kirov Flour Mill No. 1. A.Kartoshkin. Muk.-elev.prom. 29 no.10:15 O '63.

VITAMINS—A

(see also subdivision under Arctic regions)

Effect of vitamin A deficiency on oxidative phosphorylation in the liver mitochondria of albino rats [with summary in English]. IE.M.Liubovych, H.I.Hrymaliuk. Ukr. biokhim.zhur. 35 no.1:25-29 '63.

Effect of vitamin A on the content of pyridine nucleotides, pyruvic and lactic acids and on anaerobic phosphorylation in animal tissues [with summary in English]. K.M. Leuts'kyi, V.O.Lyvke. Ukr.biokhim.zhur. 35 no.1: 19-24 '63.

Incorporation of methionine -S^{35} in tissue and serum proteins of A-avitaminotic rats on a low-protein diet [with summary in English]. A.A.Dusheiko. Ukr. biokhim.zhur. 34 no.1:65-69 '62.

Making of bread enriched with vitamins A and D_2. A.G. Beschastnov and others. Khleb.i kond.prom. 8 no.3: 26-28 Mr '64.

VITAMINS—B_1 see Thiamine

VITAMINS—B_{12} see Cyanocobalamine

VITAMINS—C see Ascorbic acid

VITAMINS—D

Making of bread enriched with vitamins A and D_2. A.G. Beschastnov and others. Khleb.i kond.prom. 8 no.3: 26-28 Mr '64.

Prevention and treatment of rickets in young children under polyclinical conditions. L.V.Vodkailo. Pediatriia 42 no.9:74-78 S '63.

Some data on pathogenetic therapy of rickets. K.A.Sviatkina. Pediatriia 42 no.9:48-51 S '63.

Vitamin D deficiency in pre-school children living in the Far North [with summary in English]. M.P.Nemzer, V.IA.Belogorskii. Pediatriia 42 no.9:55-59 S '63.

VITAMINS—D_2 see Ergocalciferol

VITAMINS—E see Tocopherol

VITAMINS—P

Interrelations between vitamins C and P. N.N.Berezovskaia, A.IA.TSeitina, S.A.Lapina. Vop.pit. 21 no.5: 26-31 S-O '62.

VITEBSK—COMMUNITY AND SCHOOL

House where children live. I.Chernyshenko. Nar.obr. no.5:79-82 My '64.

VITEBSK—OFFENSES AGAINST SOCIALIST PROPERTY

Protection of socialist property is a concern of the entire community. S.Kunitskii. Sots.zakon. 40 no.12:34-36 D '63.

VITEBSK PROVINCE—BANKS AND BANKING

Credit-payment service to collective farms. S.Rukhovets. Den.i kred. 22 no.4:60-63 Ap '64.

VITEBSK PROVINCE—COLLECTIVE FARMS—FINANCE

Credit-payment service to collective farms. S.Rukhovets. Den.i kred. 22 no.4:60-63 Ap '64.

VITEBSK PROVINCE—SWINE—FEEDING AND FEEDS

Economic effectiveness of the various periods for swine fattening. IU.D.Karnilau. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:115-122 '64.

VITEBSK PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

To live, just to live! B.Fedorov, O.Mukhin. Part. zhizn' Kazakh. 34 no.1:67-72 Ja '64.

VITICULTURE—EQUIPMENT AND SUPPLIES

(see also subdivision under Armenia)

Our methods of using machines in vineyards. V.O. Naumov. Mekh.sil'.hosp. 13 no.10:15-16 O '62.

Technical possibilities of automatic driving of tractor-driven machinery in trellised vineyards [with summaries in English, German, and French]. V.A.Gur'ianov. Vest.sel'khoz.nauki 8 no.12:116-119 D '63.

Theoretically based parameters of grapevine covering machines for vineyards formed according to the system of horizontal plane cordon. G.R.Piloian. Trudy Arm. NIIMESKH no.1:147-158 '63.

Two-plane trellis in vineyards. E.S.Arvanitaki. Sbor. nauch.-tekh.inform. no.3:5-8 '60.

VIVIPARIDAE, FOSSIL

Tabolakova, V.IA. [Experience in the biometric study of Pliocene Vivipara in the south of the U.S.S.R.] Opyt biometricheskogo izucheniia pliotsenovykh viviparusov IUga SSSR. Moskva, Izd-vo "Nauka," 1964. 87 p. illus. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol. 99)

VLADIMIR GOVERNMENT—COMMUNIST PARTY OF THE SOVIET UNION

Kommunisticheskaia partiia Sovetskogo Soiuza. Vladimirskii oblastnoi komitet. Partiinyi arkhiv. [Vladimir party organization in the years of the restoration of national economy, 1921-1925; collection of documents] Vladimirskaia partiinaia organizatsiia v gody vostanovleniia narodnogo khoziaistva, 1921-1925 gody; sbornik dokumentov. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 344 p.
(MH)

VLADIMIR GOVERNMENT—HISTORY

Kommunisticheskaia partiia Sovetskogo Soiuza. Vladimirskii oblastnoi komitet. Partiinyi arkhiv. [Vladimir party organization in the years of the restoration of national economy, 1921-1925; collection of documents] Vladimirskaia partiinaia organizatsiia v gody vostanovleniia narodnogo khoziaistva, 1921-1925 gody; sbornik dokumentov. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 344 p.
(MH)

VLADIMIR PROVINCE—DEFENSE (CRIMINAL PROCEDURE)

Some inferences drawn from judicial opinions concerning the practice of defense attorneys of juveniles. N.Atavekov. Sov.iust. 28 no.8:18-19 Ap '64.

VLADIMIR PROVINCE—JUVENILE DELINQUENCY

Some inferences drawn from judicial opinions concerning the practice of defense attorneys of juveniles. N.Atavekov. Sov.iust. 28 no.8:18-19 Ap '64.

VLADIMIR-VOLYNSKIY DISTRICT—PEAS—DISEASES AND PESTS

Injury of pea inflorescence by thrips. N.P.Diadechko, G.N.Zhigaev. Nauch.dokl.vys.shkoly; biol.nauki no.2:33-34 '64.

VLADIMIR-VOLYNSKIY DISTRICT—THRIPS

Injury of pea inflorescence by thrips. N.P.Diadechko, G.N.Zhigaev. Nauch.dokl.vys.shkoly; biol.nauki no.2:33-34 '64.

VLADIVOSTOK—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Maintenance features of apartment houses built in Vladivostok according to a standard economic plan. N.S.Riabov, G.N.Smirnova. Sbor.nauch.rab.DVNIIS no.3:32-39 '62.

Standard designs for apartment houses in the city of Vladivostok. I.A.Markus, V.N.Andreev. Biul.stroi. tekh. 21 no.2:47 F '64.

VLADIVOSTOK—CITY PLANNING

The development of Vladivostok and present-day problems in city planning. E.A.Vasil'ev. Sbor.nauch.rab. DVNIIS no.3:3-14 '62.

VOCAL CORDS—SURGERY

Surgery to create soundless barking in dogs. V.A.Konstantinov, V.A.Shestin. Eksper.khir.i anest. 8 no.4: [illegible] '63.

VOCATIONAL EDUCATION
(see also subdivision under Altai Territory; Armenia; Azerbaijan; Germany, East)

In the Government Committee on Vocational Education attached to the State Planning Commission of the U.S.S.R. Prof.-tekh.obr. 21 no.4:3 Ap '64.

Industrial training at a machine-tool plant. A.I.Vorob'ev, D.P.Marin. Shkola i proizv. 8 no.3;5-9 Mr '64.

Legal provisions governing vocational education in the period of the large-scale building of communsim [with summary in English. A.S.Pashkov. Vest.LGU 19 no.5:82-93 '64.

Let's learn in order to work better. S.Batyshev. Nar. obr. no.4:77-78 Ap '64.

Man's greatness lies in work. Prof.-tekh.obr. 21 no.4: 1-2 Ap '64.

More on the connection between subjects. N.Riabov. Prof.-tekh.obr. 21 no.4:19 Ap '64.

Talking to students about the December Plenum. I.Tomashpol'skii. Prof.-tekh.obr. 21 no.4:25 Ap '64.

Vocational training of students should have a solid technical basis. H.S.Hudzyk and others. Rad.shk. 42 no.2:101-106 F '64.

VOCATIONAL EDUCATION—EQUIPMENT AND SUPPLIES

Our consultation. Prof.-tekh.obr. 21 no.4:31-32 Ap '64.

VOCATIONAL GUIDANCE

Ganiushkin, V.A. [Ask for directions...] Proshu napravit'... [Moskva] Molodaia gvardiia, 1964. 139 p.

VOITSEKHOVSKII, IVAN IAROSLAVOVICH

Golden hands. B.Monastyrskii. Sov.voin 44 no.23:20 D '62.

VOLCANOES see subdivision under Atlantic Ocean; Kazakhstan

VOLGA-AKHTUBA FLOODPLAIN—IRRIGATION

Highly efficient methods of irrigation in the Volga-Akhtuba Floodplain and the Volga Delta [with summaries in English, German, and French]. G.G.Shiler. Vest.sel'khoz. nauki 8 no.12:33-41 D '63.

VOLGA-BALTIC SEA WATERWAY

Volga-Baltic Sea Waterway. IU.P.Bondarevskii, V.G. Pakhomov. Transp.stroi. 13 no.11:26-28 N '63.

VOLGA DELTA—FISH CULTURE

Economic importance of piscivorous birds, reptiles and amphibians for fish spawning and rearing farms of the Volga Delta. V.K.Markuze. Nauch.dokl.vys.shkoly; biol.nauki no.2:39-42 '64.

VOLGA DELTA—IRRIGATION

Highly efficient methods of irrigation in the Volga-Akhtuba Floodplain and the Volga Delta [with summaries in English, German, and French]. G.G.Shiler. Vest.sel'khoz. nauki 8 no.12:33-41 D '63.

VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)

Some results of the field observations of seepage in the structures of the Volga Hydraulic Power Station (22d Congress of the CPSU). M.P.Malyshev. Dokl.TSKHA no.87:297-304 '63.

VOLGA-URAL REGION—SULFUR ISOTOPES

Isotopic composition of the petroleum sulfurs of the Pashiya horizon. N.A.Eremenko, R.G.Pankina. Neftegaz.geol.i geofiz. no.5:50-52 '63.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Some new data for differentiating the Lower and Middle Carboniferous carbonate formations in the middle Volga Valley. E.A.Parsadanova, IU.M.Berlin. Izv.AN SSSR.Ser.geol. 29 no.1:87-94 Ja '64.

VOLGA VALLEY—OIL SHALES

Flotational enrichment of oil shale. V.A.Proskuriakov, A.G.Rembashevskii, Z.V.Solovelchik. Report No.2: Shale of the Kashpir field. Trudy VNIIT no.11:5-19 '62.

VOLGA VALLEY—ROCKS, CARBONATE

Some new data for differentiating the Lower and Middle Carboniferous carbonate formations in the middle Volga Valley. E.A.Parsadanova, IU.M.Berlin. Izv.AN SSSR.Ser.geol. 29 no.1:87-94 Ja '64.

VOLGA VALLEY—SUSLIKS

Distribution of susliks Citellus pygmaeus Pall. and Citellus major Pall. in the trans-Volga region. V.P. Denisov. Nauch.dokl.vys.shkoly; biol.nauki no.2: 49-54 '64.

VOLGA-VYATKA ECONOMIC REGION—ECONOMIC GEOGRAPHY—CONGRESSES

Conference on the geography of the Volga-Vyatka Economic Region. I.K.Orfanov, B.V.Kostal'skii. Izv.Vses. geog.ob-va 96 no.2:157-158 Mr-Ap '64.

VOLGA-VYATKA ECONOMIC REGION—FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS

Baskakov, A.N. [Technical developments in the food industry of the Volga-Vyatka Economic Region] Tekhnicheskii progress v pishchevoi promyshlennosti Volgo-Viatskogo ekonomicheskogo raiona. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 47 p. (Tekhnicheskaia informatsiia) [MICROFILM]

VOLGOGRAD—INFLUENZA

Epidemiology and etiology of influenza in Stalingrad in 1957. I.A.Sutin and others. Vop.med.virus. no.5 pt.2:42-45 '58.

VOLGOGRAD—PETROLEUM WASTE

Purification equipment in the Volgograd Petroleum Refinery. P.K.Zmievskii. Izv.vys.ucheb.zav.; neft' i gaz 7 no.4:60 '64.

VOLGOGRAD PROVINCE—AUDITING AND INSPECTION

On the bases of volunteer participation. I.Petin. Fin. SSSR 38 no.4:47-48 Ap '64.

VOLGOGRAD PROVINCE—GAS, NATURAL—ANALYSIS

Determination of hydrogen sulfide in the gases of the Korobkovo field. P.V.Mikhal'kov, V.P.Vostrikova. Trudy VNIING no.2:91-100 '63.

VOLGOGRAD PROVINCE—MAPLE

Reproduction of the Tatarian maple (Acer tataricum L.) in the southeastern U.S.S.R. A.N.Kovaleva. Nauch. dokl.vys.shkoly; biol.nauki no.2:116-122 '64.

VOLGOGRAD PROVINCE—OIL WELL CEMENTING

Geological characteristics and methods for excluding lost-circulation zones in petroleum regions of Volgograd Province. V.F.TSelishchev. Trudy VNIING no.2:38-47 '63.

VOLGOGRAD PROVINCE—OIL WELL DRILLING RIGS—MAINTENANCE AND REPAIR

Bubnov, A.A. [Repair of drilling equipment in the drilling bureau] Remont burovogo oborudovaniia v kontore bureniia. Moskva, Nedra, 1964. 199 p.

VOLGOGRAD PROVINCE—OIL WELL DRILLING

Simplification of deep-well structures in areas of Volgograd Province. V.F.Pozdniakov. Trudy VNIING no.2: 3-8 '63.

VOLGOGRAD PROVINCE—PETROLEUM—ANALYSIS

Physicochemical properties of the petroleums of fields in Volgograd Province. P.V.Mikhal'kov, B.A.Nanikov. Trudy VNIING no.2:87-90 '63.

VOLGOGRAD PROVINCE—PETROLEUM—TRANSPORTATION

Composition of material balance in the gathering and transportation of Korobkovo petroleum. P.V.Mikhal'kov, V.I.Artamonov. Trudy VNIING no.2:81-86 '63.

VOLGOGRAD PROVINCE—PETROLEUM GEOLOGY

Nature of the change of the structural forms in the Paleozoic cross section of the Volga Valley portion of Volgograd Province. N.M.Muzychenko, K.V. Fomkin, E.V.Gordinskii. Neftegaz.geol.i geofiz. no.5:12-15 '63.

VOLGOGRAD PROVINCE—PETROLEUM PRODUCTION

Further development of the oil- and gas-bearing pool in stratum B_1 of the Bakhmet'yevskoye field. A.A.Zagorulko and others. Trudy VNIING no.2:65-70 '63.

Improvement of the system of the development of the petroleum and gas pools of the coal-bearing stratum of theKorobkovo field. I.N.Siniagovskii, V.I.Sobolev, I.A.IAkunin. Trudy VNIING no.2:52-64 '63.

VOLGOGRAD PROVINCE—SOIL STABILIZATION

Loess deposits in Volgograd Province and results of their stabilization. S.K.Arbuzova, A.N.Tokin. Izv.vys. ucheb.zav.; stroi.i arkhit. 6 no.8:144-147 '63.

VOLGOGRAD PROVINCE—SOLONETZ SOILS

Improving the Solonetz and Solonetz-type soils in the lower Volga Valley. A.I.TSukanova. Zemledelie 26 no.1:55-56 Ja '64.

VOLGOGRAD RESERVOIR—EROSION

Erosional processes on the right bank of the Volgograd Reservoir and aerial methods for studying them. A.I. Baranova. Izv.Vses.geog.ob-va 96 no.1:23-29 Ja-F '64.

VOLGOGRAD RESERVOIR—STURGEONS

Optimal dosage and rational use of sperm during insemination of sturgeon eggs. V.Z.Trusov, L.M.Pashkin. Ryb.khoz. 40 no.3:16-17 '64.

VOLKHOV HYDROELECTRIC POWER STATION

Forecast of changes in natural conditions in connection with reservoir construction; using the example of the Volkhov Hydroelectric Power Station. B.A.Kornilov, L.P.Il'ina, E.I.Pavlova. Izv.AN SSSR.Ser.geog. no.2:50-59 Mr-Ap '64.

VOLKHOV VALLEY—PHYSICAL GEOGRAPHY

Forecast of changes in natural conditions in connection with reservoir construction; using the example of the Volkhov Hydroelectric Power Station. B.A.Kornilov, L.P.Il'ina, E.I.Pavlova. Izv.AN SSSR.Ser.geog. no.2:50-59 Mr-Ap '64.

VOLOGDA—CONTAINERS

Let us talk about the container. B.Polelaev. Sov.torg. 37 no.3:41 Mr '64.

VOLOGDA PROVINCE—FOREST REPRODUCTION

Spruce plantations in clearcut areas. G.I.[illegible]. Les.khoz. 17 no.4:43-44 Ap '64.

VOLOGDA PROVINCE—LIMING OF SOILS

Natural resources in the service of people. A.[illegible] Zemledelie 26 no.1:85-86 Ja '64.

VOLOGDA PROVINCE—SPRUCE

Spruce plantations in clearcut areas. G.I.[illegible]. Les.khoz. 17 no.4:43-44 Ap '64.

VOLOKITINO (UKRAINE)—PORCELAIN

Materials for the history of A.M.Miloshevs'kyi's porcelain factory, 1839-1861. IU.E.Spas'ka. Mat.z etnoh.ta mystetstvoznav. no.6:120-135 '59.

VOLOSHINOV, VIKTOR VLADIMIROVICH

About my teacher. B.Tishchenko. Sov.muz. 27 no.11: 54-58 N '63.

VOLTAGE REGULATORS

Electric current stabilizers using transistors. V.I. Lebedev. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:17-20 Ja-F '64.

In the factories. Prom.energ. 19 no.4:47 Ap '64.

Use of magnetic amplifiers for increasing the accuracy of voltage regulation in autodynes. N.V.[illegible]. Trudy MIIT no.171:100-111 '63.

Voltage regulators using nonlinear semiconductor resistances. IU.T.Okunev, G.A.Savel'ev. Izv.LETI no.43:93-01 '60.

VOLTAMETER

Microvoltameter for low-frequency inductive electric prospecting techniques. K.Sh.Frenkel'. Sbor.izobr.i rats.predl. pt.2:13-17 '63.

VOLTAMMETRY

Coulometric microdetermination of hydrogen in organic compounds [with summary in English]. G.F.[illegible], V.A.Klimova. Zhur.anal.khim. 19 no.3:412-415 [illegible] '63.

VOLTMETER

Microvoltmeter for use in electricprospecting. V.V. Rogachev, A.A.Flaksman. Geofiz.prib. no.12:11-13 '62.

Standard conpensation type pulse voltmeter OKV-5a. Prib.i tekh.eksp. 9 no.2:102 Mr-Ap '64.

VOLUME (MATHEMATICS)

Regulate volume measurements in the loading and unloading of cargo in harbors. I.Chepukhalin. Mor.flot 23 no.12:12-14 D '63.

VOLUMETRIC ANALYSIS see Titration

VOLYN' PROVINCE—BAKERIES

Work experience of the bakeries of the Volyn' Trust of Food Product Industries. N.Fedchuk. Khleb.i kond. prom. 8 no.3:23-26 Mr '64.

VOLYN' PROVINCE—FOOD INDUSTRY

Not in quantity but by quality. N.Fedchuk. NTO 6 no.4:30-31 Ap '64.

VORBERIAN, RUBEN

Ruben Vorberian and the general repatriation of Armenians [in Armenian with summary in Russian]. V.A. Gabrielian. Izv.AN Arm.SSR.Obshchestv.nauki no.1: 51-60 Ja '64.

VORKUTA REGION (KOMI A.S.S.R.)—SOLAR RADIATION

Radial heat exchange in the lowest air stratum in the Vorkuta region. E.IA.Shevchenko. Izv.AN SSSR.Ser. geog. no.2:107-110 Mr-Ap '64.

VORONEZH—ORTHOPEDIC APPARATUS INDUSTRY

Shortcomings of a new design. N.TSyrlova. Sots.obesp. 25 no.4:48-49 Ap '64.

VORONEZH—SUGAR INDUSTRY—STUDY AND TEACHING

Fortieth anniversary of a department of the Voronezh Technological Institute. S.Z.Ivanov. Sakh.prom. 37 no.12:8-10 D '63.

VORONEZH PROVINCE—SUGAR INDUSTRY—MANAGEMENT

Several problems of improving planning in the sugar industry enterprises. IA.Moreinis. Fin.SSSR 38 no.3:33-39 Mr '64.

VORONEZH PROVINCE—TUBERCULOSIS IN ANIMALS

Methods of the elimination of tuberculosis in cattle on the farms of Voronezh Province. V.T.Kotov, D.D. Novak. Veterinariia 40 no.10:17-18 O '63.

VORONEZH REGION—COLLECTIVE FARMS—FINANCE

Computing differential rent on collective farms near cities. A.Glazun. Ekon.sel'khoz. 35 no.3:91-98 Mr '64.

VORONEZH REGION—WEEVILS

Distribution of weevils in the agricultural areas near the Voronezh Agricultural Institute. G.E.Bodrenkov. Uch. zap.Orlov.gos.ped.inst. 18:81-83 '63.

Populations of some species of weevils in the agricultural areas near the Voronezh Agricultural Institute. G.E. Bodrenkov. Uch.zap.Orlov.gos.ped.inst. 18:84-86 '63.

VORON'KO, PLATON MYKYTOVYCH, 1913-

Serdiuk, Pavlo. [Platon Voron'ko; literary criticism] Platon Voron'ko; literaturno-krytychnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 181 p.
(CaOTU)

VOROSHILOVGRAD see Lugansk

VOROSHILOVGRAD PROVINCE see Lugansk Province

VOTIAK AUTHORS see Authors, Votiak

VOTIAK LITERATURE—BIOBIBLIOGRAPHY

[Writers of Udmurtia; a biobibliographical manual] Pisateli Udmurtii; biobibliograficheskii spravochnik. [Izhevsk] Udmurtskoe knizhnoe izd-vo, 1963. 164 p.
(NjP)

VOTKINSK—CALLISTHENICS

Callisthenics at the Votkinsk Machine Works. S.A. Pigalev. Teor.i prak.fiz.kul't 26 no.9:57-59 S '63.

VOTKINSK HYDROELECTRIC POWER STATION

At the Votkinsk Hydroelectric Power Station; notes of a fitter. A.Terent'ev. Nov.mir 40 no.3:157-178 Mr '64.

Tumbasov, A.N. [The Kama River is leaving its bed; the Votkinsk Hydroelectric Power Station through the eyes of an artist] Kama vykhodit iz beregov; Votkinskaia GES glazami khudozhnika. [Perm'] Permskoe knizhnoe izd-vo, 1963. 66 p. illus.

VOVCHOK, MARKO, pseud., see Markovich, Mariia Oleksandrivna (Vilinskaia) 1834-1907

VOYEYKOVO (LENINGRAD PROVINCE)—ACTINOMETRY

Use of data on direct radiation at Voyeykovo in determining the characteristics of atmospheric transparency. M.P. Chizhevskaia. Trudy GGO no.112:128-141 '63.

VOYNICH, ETHEL LILLIAN (BOOLE), 1864-1960

Fate of the writer, fate of the book. N.Podorol'skii. Nar.obr. no.5:89-90 My '64.

Taratuta, E.A. [Ethel Lilian Voynich; the fate of a writer and the fate of a book] Etel' Lilian Voinich; sud'ba pisatelia i sud'ba knigi. [Izd.2., dop.] Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 217 p.

VULCANIZATION

N-hexamethylene-2-benzothiazolsulfonamide as an accelerator of rubber vulcanization. M.S.Fel'dshtein, M.V.Gorelik. Kauch.i rez. 23 no.3:26-29 Mr '64.

Radiation vulcanization of rubber compounds for soles. G.A.Blokh and others. Kozh.obuv.prom. 5 no.12:18-22 D '63.

VULCANIZATION—EQUIPMENT AND SUPPLIES

Calculation of the temperature field of the bottom plate of the press-mold for hot vulcanization. L.I.Platov, V.N.Naumov. Nauch.trudy MTILP no.26:206-213 '62.

Calculation of the temperature field of the vulcanization plate with electric heating. Report No.2. L.I.Platov. Nauch.trudy MTILP no.26:197-204 '62.

VYATKA GOVERNMENT—HOSPITALS—OUTPATIENT SERVICES

Concept of dispensary services for syphilitic patients by "zemstvo" physicians in the Vyatka Government. V.I. Zolotukhin. Vest.derm.i ven. 37 no.4:65-69 Ap '63.

VYATKA GOVERNMENT—SYPHILIS

Concept of dispensary services for syphilitic patients by "zemstvo" physicians in the Vyatka Government. V.I. Zolotukhin. Vest.derm.i ven. 37 no.4:65-69 Ap '63.

VYAZEMSKIY DISTRICT (KHABAROVSK TERRITORY)—SOVIETS

Kiselev, A.M. [Great changes; from the work practices of the Kotikov village soviet in Vyazemyskiy District in promoting economic and cultural development] Bol'shie peremeny; iz opyta raboty Kotikovskogo sel'skogo soveta Viazemskogo raiona po khoziaistvenno-kul'turnomu stroitel'stvu. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 19 p.

VYCHEGDA VALLEY—LANDFORMS

Relief of the Kama-Vychegda watershed and its development. IU.F.Mashkov. Trudy VSEGEI 90:146-156 '63.

WAGES

Gorevatyi, L.N. [Guaranteed and compensatory payments to workers and employees] Garantiinye i kompensatsionnye vyplaty rabochim i sluzhashchim. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 90 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Konnov, B.F., and V.N.Skobelkin. [Legal protection of wages of workers and employees] Pravovaia okhrana zarabotnoi platy rabochikh i sluzhashchikh. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 78 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Leninist principles regarding the organization of wages in the U.S.S.R. P.G.Grigor'ev. Izv.LETI no.40: 167-184 '60.

Letters from the editor. Sov.profsoiuzy 20 no.7:44-45 Ap '64.

New standard regulations. Sov.profsoiuzy 20 no.8:45 Ap '64.

Semenkov, V.N. [Transition to a communist principle of distribution according to needs; for correspondence and evening school students] O perekhode k kommunisticheskomu printsipu raspredeleniia po potrebnostiam; dlia studentov zaochnogo i vechernego obucheniia. [Petrozavodsk] Vysshaia shkola, 1964. 43 p.

WAGES—AUTOMOBILE MECHANICS

In calculating the bonus for repair workers you should exactly account for the output of repaired motor vehicles. E.Soshin. Avt.transp. 42 no.5:37 My '64.

WAGES—CONSTRUCTION WORKERS

Compensation for additional expenditures connected with the mobility of work in construction. Ekon.stroi. no.3:62-63 Mr '64.

Procedure for calculating average earnings in paying wages to workers and employees in construction. Ekon.stroi. no.3:63-66 Mr '64.

Procedures for computing average earnings in paying wages to construction workers and employees. Ekon. stroi. no.4:57-60 Ap '64.

Replies to our readers. Sov.profsoiuzy 20 no.7:46-47 Ap '64.

Wages for the workers of construction and assembly organizations. Ekon.stroi. no.3:61-62 Mr '64.

WAGES—DISMISSAL WAGE

Limits of restitution of payments rendered to satisfy judgments in labor litigation. I.Morein. Sov.iust. 28 no.8:12-13 Ap '64.

WAGES—DISTILLING INDUSTRIES

Results of the transition to a seven-hour workday and improvement of the wage system in the distilling industries. M.P.Ul'ianova. Trudy TSNIISP no.13:60-67 '62.

WAGES—HERRING FISHERIES

New standard regulations. Sov.profsoiuzy 20 no.7:45 Ap '64.

WAGES—HIGHWAY TRANSPORT WORKERS

Dubnikova, M.P., V.N.Mizinov, and N.A.Cherke. [Wages for motor-vehicle drivers] Oplata truda shoferov avtomobilei. Moskva, Avtotransizdat, 1963. 107 p. (Biblioteka shofera)

WAGES—MINERS see subdivision under Karaganda Province

WAGES—RUBBER INDUSTRY WORKERS see subdivision under Dnepropetrovsk

WAGES AND LABOR PRODUCTIVITY
(see also subdivision under Kazakhstan)

On the problem of labor incentives. S.Strumilin. Vop. ekon. no.4:59-64 Ap '64.

Problems of wage planning related to the increase of labor productivity [with summary in English]. O.N. Glazunova. Vest.LGU 19 no.5:14-24 '64.

WALLS

New clay-lime wall blocks [in Georgian with summary in Russian]. I.D.Shengeliia and others. Trudy GPI [Gruz.] no.4:153-161 '63.

Theory of calculating a continuous plate of a beam-wall with an opening. A.K.Ermakov. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:34-39 '63.

WALLS—COLD WEATHER CONDITIONS

Scientific principles of producing frost resistant wall materials. M.I.Rogovoi. Stroi.mat. 9 no.8:29-30 Ag '63.

WALLS—SOUNDPROOFING

Calculation for the soundproofing of single-layer walls against air noises. V.I.Zaborov, V.I.Nikol'skii. Biul.stroi.tekh. 21 no.2:34-35 F '64.

WALLS—THERMAL PROPERTIES
(see also subdivision under Maritime Territory)

Required resistance to heat transfer in walls of livestock buildings. M.E.Gur'ev. Izv.vys.ucheb.zav.; stroi.i arkhit. 6 no.6:103-110 '63.

WALNUT see subdivision under Georgia

WAR—ECONOMIC ASPECTS
(see also subdivision under Korea, South)

Military expenditures of the countries of NATO. E.Rozental'. Mir.ekon.i mezhdunar.otn. no.4:134-135 '64.

WAR AND COMMUNISM

Lenin's theory of socialist revolutions and its further development. N.Kolbenkov. Komm.Bel. 38 no.4: 27-32 Ap '64.

WAR AND POLITICS see Politics and war

WAR AND SOCIALISM

Nikol'skii, N.M. [The basic question of the present times; the problem of the elimination of wars] Osnovnoi vopros sovremennosti; problema unichtozheniia voin. Pod red. N.N.IAkovleva. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 428 p.

WAR CRIME TRIALS see subdivision under Germany, West

WAR DAMAGE TO BUILDINGS

TSivilev, M.P., ed. [Engineering and rescue work in the region of a nuclear explosion] Inzhenerno-spasatel'nye raboty v ochage iadernogo porazheniia. [By] I.D.Volkov i dr. Moskva, Stroiizdat, 1964. 149 p.

WARBLE FLIES

Artificial infestation of cattle with the eggs of the warble fly Hypoderma bovis DeGeer [with summary in English]. K.A.Breev, V.N.Diadechko. Zool.zhur. 43 no.3:474-479 '64.

Case of ophthalmomyiasis caused by the gadfly larva. L.N.Sheveleva. Zdrav.Kazakh. 23 no.4:75-77 '63.

WARBLERS see subdivision under Karakum

WAREHOUSE RECEIPTS see subdivision under Kharkov

WARTS

Treatment of warts with acrichine. V.P.Zharkov. Zdrav.Kazakh. 22 no.10:68-69 '62.

WASHERS (MECHANICAL ENGINEERING)

Washer catcher. V.Ohnivenko. Mekh.sil'.hosp. 13 no.10:11 O '62.

WATER

Determination of the water content of tributyl phosphate, kerosine, and kerosine solutions of tributyl phosphates. R.I.Alekseev, L.T.Pozdniakova. Zav.lab. 30 no.5: 533-536 '64.

Determining the critical size of water droplets and solutions of surface-active agents when sputtered. B.V. Kiriukhin, A.B.Kurzner. Probl.fiz.atm. no.2:163-171 '63.

Relationship between the valence vibration frequencies of water molecules and the hydrogen bonding energy. G.V.IUkhnevich, A.V.Kariakin. Dokl.AN SSSR 156 no.3:681-684 '64.

Viscosity of water within a temperature range of 0 to 60°C. I.A.Stul'ginskaia, N.A.Chesnokov. Trudy inst.Kom.stand., mer i izm.prib. no.68:100-106 '63.

WATER—ABSORPTION SPECTRA

Infrared absorption spectrum of liquid water. K.IA.Kondrat'ev and others. Probl.fiz.atm. no.2:87-112 '63.

WATER—ANALYSIS
(see also subdivision under Ukraine)

Determination of microamounts of iodine in natural waters by a catalytic method [with summary in English]. A.D.Miller, L.A.Shneider. Zhur.anal.khim. 18 no.3: 371-376 Mr '63.

WATER—COMPOSITION see subdivision under Varvara Reservoir

WATER—DISTRIBUTION

Moscow. Vsesoiuznyi gosudarstvennyi proektno-izyskatel'skii i nauchno-issledovatel'skii institut. [Methodology for calculating a "Pumping station - closed network" complex] Metodika rascheta kompleksa "Nasosnaia stantsiia - zakrytaia set'." Moskva, 1963. 74 p.
[MICROFILM]

WATER—MICROBIOLOGY

Case of isolation of the pathogen of typhoid fever from the water of an open reservoir. L.A.Apostoli, V.L. Lelikov. Lab.delo no.4:239-240 '64.

Water and food-borne outbreaks of bacterial dysentery; review of foreign literature. IU.P.Solodovnikov. Zhur.mikrobiol., epid.i immun. 40 no.9:125-128 S '63.

WATER—MICROBIOLOGY (Continued)

Zhogova, V. M. [Problems of radiation microbiology in the sanitary protection of waters] Voprosy radiatsionnoi mikrobiologii v sanitarnoi okhrane vodoemov. Moskva, Meditsina, 1964. 156 p.

WATER—OXYGEN CONTENT

Possible use of extraction for determining the microquantities of oxygen dissolved in water. N.D.Stepanova, V.B. Aleskovskii. Izv.vys.ucheb.zav.; khim.i khim. tekh. 7 no.1:24-28 '64.

WATER—OZONIZATION see subdivision under Oka River

WATER—POLLUTION

Disposal of industrial waste waters as a method of preventing the pollution of bodies of water. B.I.Ivanov, V.V.Zhakhov. Trudy VNIIT no.11:277-283 '62.

WATER—TABLES, ETC.

Vukalovich, M. P. [Tables of the thermodynamic properties of water and water vapor] Tablitsy termodinamicheskikh svoistv vody i vodianogo para. Izd.7., perer. i dop. Moskva, Gosenergoizdat, 1963. 401 p. diagrs. (insert)

WATER—THERMAL PROPERTIES

Experimental study of the enthalpy of water and water vapor at temperatures up to 460° C and pressures up to 490 bar. Teploenergetika 11 no.5:86-88 My '64.

Thermal expansion and Joule-Thomson coefficients for water and their dependence on temperature and pressure. A.M.Mamedov. Teploenergetika 11 no.1:80-81 Ja '64.

WATER, EFFECT OF RADIATION ON

Mechanism underlying the formation of molecular products in water radiolysis. V.M.Biakov, B.V. Ershler. Dokl.AN SSSR 154 no.3:669-672 Ja '64.

WATER, UNDERGROUND

(see also subdivision under Kazakhstan; Kola Peninsula; Moscow; Rybinsk Reservoir region; Stanislav Province; Tajikistan)

Composition of lysimetric waters under a pinewood. N.P.Sukhanova. Nauch.dokl.vys.shkoly; biol.nauki no.2:181-186 '64.

Experimental studying of the measures for controlling the subsurface flooding of irrigated lands. Abdel' Vakhab Amer. Dokl.TSKHA no.87:151-157 '63.

Ground water flow in a rectangular dike with an impermeable vertical wall. V.G.Priazhinskaia. Izv.AN SSSR.Mekh.i mashinostr. no.2:41-49 Mr-Ap '64.

Role of Upinskii level underground waters in the flooding of a gas generator. N.V.Efremochkin. Nauch.trudy VNIIPodzemgaza no.10:91-99 '63.

WATER CONSERVATION see subdivision under Altai Mountains

WATER HAMMER

Calculating the force of water hammer under complicated conditions taking into account the force of friction [in Georgian with summary in Russian]. D.A.Dogonadze. Trudy GPI [Gruz.] no.4:45-49 '63.

Integrating equations in the theory of a water hammer. F.S.Churikov. Izv.AN SSSR.Mekh.i mashinostr. no.2:176-179 Mr-Ap '64.

WATER HEATERS

Firing for gas contact-surface water heaters. IU.P. Sosnin. Gaz.delo no.3:36-42 '64.

Water heating PTVM-20 boiler operating on gas and fuel oil. S.E.Kraizel', L.S.Kigel', E.E.Laikovskii. Prom.energ. 19 no.2:28-30 F '64.

WATER LILIES

Karyotype of Barclaya longifolia Wall. A.P.Sokolovskaia, A.P.Melikian. Bot.zhur. 49 no.4:585-586 Ap '64.

WATER PIPES

Inspection of systems constructed of asbestos-cement pipes. E.A.Preger. Sbor.trud.LISI no.41:7-11 '62.

Technical instructions for the production and construction of precast reinforced concrete water pipes. P.M. Zelevich, K.V.Nikolai, M.E.Pleitsyn. Transp.stroi. 13 no.11:18-21 N '63.

Use of hydraulic drives in the slide gates of circulation water conduits. L.A.Fuks. Energetik 11 no.12:13-14 D '63.

WATER PLANTAIN, FOSSIL

Caldesia parnassifolia (Bassi) Parl. in the Quaternary sediments of Vologda Province. T.D.Kolesnikova. Dokl.AN SSSR 156 no.1:85-87 My '64.

WATER RESOURCES DEVELOPMENT see subdivision under Amur Valley

WATER RIGHTS see subdivision under Azerbaijan

WATER STORAGE—EQUIPMENT AND SUPPLIES

Diagrams for determining the diameter of the discharge pipe of vertical cylindrical and rectangular receptacles. V.A.Alekseev. Khleb.i kond.prom. 8 no.3:21-22 Mr '64.

WATER SUPPLY

(see also subdivision under Maritime Territory)

The problem of transforming the water supply. M.I. L'vovich. Vest.AN SSSR 34 no.1:26-35 Ja '64.

WATER SUPPLY, INDUSTRIAL

Gol'dgof, B.G., IA.I.Leibzon, and E.A.Soskin. [Automatic and remote control of the power supply networks of industrial enterprises] Avtomatizatsiia i telemekhanizatsiia energoisnabzheniia promyshlennykh predpriiatii. Moskva, Izd-vo "Energiia," 1964. 279 p.

WATER SUPPLY, RURAL

TSiklauri, D.S. [Water supply for fields and pastures] Polevoe i pastbishchnoe vodosnabzhenie. Moskva, Stroiizdat, 1964. 162 p.

WATER-SUPPLY ENGINEERING

Kagan, D. F. [Properties and calculation of polyethylene pipes used in water supply] Issledovanie svoistv i raschet polietilenovykh trub, primeniaemykh v vodosnabzhenii. Moskva, Stroiizdat, 1964. 222 p.

WATER VAPOR

Contact heating of liquid food products by water vapor. M.IA.Dikis, A.N.Chernigov. Izv.vys.ucheb.zav.; pishch.tekh. no.2:84-87 '64.

Effect of the excess of water vapor in the autothermal method of catalytic conversion of methane under pressure. A.G.Leibush, B.D.Agranat. Khim.prom. no.3:187-193 Mr '64.

Experimental study of the enthalpy of water and water vapor at temperatures up to 460° C and pressures up to 490 bar. Teploenergetika 11 no.5:86-88 My '64.

Kinetics of the conversion of carbon monoxide with water vapors on a zinc-chromium catalyst. V.I.Atroshchenko, L.N.Ivanova, D.V.Gernet. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:70-76 '64.

Spectroscopic method for the integral determination of the water vapor in a column of the atmosphere. I.IA. Badinov, A.P.Gal'tsev, G.A.Nikol'skii. Probl.fiz. atm. no.2:113-126 '63.

Thermal conductivity equation for water vapor. V.A. Rabinovich. Teploenergetika 11 no.5:74-78 My '64.

WATER VAPOR—TABLES, ETC.

Vukalovich, M.P. [Tables of the thermodynamic properties of water and water vapor] Tablitsy termodinamicheskikh svoistv vody i vodianogo para. Izd.7., perer. i dop. Moskva, Gosenergoizdat, 1963. 401 p. diagrs. (insert)

WATER VOLES see subdivision under Siberia, Western

WATER WORKS INTAKES see Intakes (Hydraulic engineering)

WATERFALLS see subdivision under Siberia

WATERPROOFING

Russia (1917- R.S.F.S.R.) Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov. Upravlenie kapital'nogo stroitel'stva. [Preparing and carrying out the waterproofing of foundations and roofs using cold bituminous mastics] Prigotovlenie i ustroistvo gidroizoliatsii fundamentov i krovli iz kholodnykh bitumnykh mastik. Moskva, 1962. 14 p. [MICROFILM]

Water repellant coatings used in construction. B.G.Batrakov. Stroi.mat. 10 no.1:36 Ja '64.

Waterproofing of cellular concrete with polymer still residues. G.I.Knigina. Stroi.mat. 10 no.4:1-2 Ap '64.

Waterproofing of concrete reservoirs. I.Beliakov, I.Rassadkin. Pozh.delo no.4:22 Ap '64.

WAVE EQUATIONS

Non-singular solutions to the wave equation for an inhomogeneous layer. T.I.Kuznetsova. Zhur.tekh.fiz. 34 no.3:419-425 Mr '64.

WAVE FUNCTIONS

Exclusion of the motion of the mass center in a system of identical particles. J.Kalade, V.Sukurovas, A.Janavicius. Trudy AN Lit.SSR.Ser.B no.1:13-20 '63.

Field of a light wave affecting an electron in the self-consistent field method. A.S.Kompaneets. Opt.i spektr. 16 no.4:706-708 Ap '64.

General calculation of the matrix elements for polarized vector particles. A.A.Bogush, A.I.Bolsun. Dokl.AN SSSR 155 no.5:1046-1049 Ap '64.

Ground state of two-electron atoms and ions. A.M.Ermolaev, G.B.Sochilin. Dokl.AN SSSR 155 no.5:1050-1053 Ap '64.

Sokolov, S.N. [Nonlocal potentials and the possible upsetting of Bose and Fermi statistics] Nelokal'nye potentsialy i vozmozhnoe narushenie Bose i Fermi statistik. Dubna, Ob"edinennyi in-t iadernykh issl., 1964. 3 p.

WAVE GUIDES

Approximate calculation of a large waveguide absorption load with evenly distributed heating. IA.I.Panova. Izv.LETI no.43:125-134 '60.

An asymptotic law governing wave propagation in natural wave guides. L.M.Brekhovskikh. Akust.zhur. 10 no.1:114-116 '64.

Band characteristics of a wave-guide buncher in a linear electron accelerator. R.K.Gavrilova and others. Uskoriteli no.4:20-28 '62.

Calculating the dispersion characteristics of iris wave guides. A.G.Tragov. Uskoriteli no.4:127-146 '62.

Calculating the intensity of the accelerating field in an iris wave guide. A.G.Tragov. Uskoriteli no.4:147-157 '62.

Dependence of the output electron energy on the tolerances allowed in the dimensions of the wave guide in a linear accelerator. N.P.Sobenin, A.V.Shal'nov. Uskoriteli no.4:103-110 '62.

Efimov, I.E. [Radiofrequency transmission lines] Radiochastotnye linii peredachi. Moskva, "Sovetskoe radio," 1964. 599 p.

Experimental data on the band characteristics of a round iris wave guide of constant phase velocity. R.K.Gavrilova, O.S.Milovanov, N.P.Sobenin. Uskoriteli no.4:12-19 '62.

Generalized normal waves in chain structures. P.E. Krasnushkin. Dokl.AN SSSR 155 no.5:1042-1045 Ap '64.

Green's tensor functions of rectangular waveguides and cavity resonators. G.T.Markov, B.A.Panchenko. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:34-41 Ja-F '64.

Grodnev, I.I. [Transmission of electromagnetic energy using directional systems] Peredacha elektromagnitnoi energii po napravliaiushchim sistemam. Moskva, Izd-vo "Sviaz'," 1964. 52 p. (Lektsii po tekhnike sviazi)

Measurement of high-frequency fields in a plasma wave guide. O.G.Zagorodnov, L.I.Bolotin, V.D.Bakhtin. Zhur.tekh.fiz. 34 no.3:469-473 Mr '64.

Parametric curves for determining the frequency deviations when changing the dimensions of a round iris wave guide. A.V.Gryzlov, B.V.Zverev, N.P.Sobenin. Uskoriteli no.4:40-51 '62.

Parametrization of the dispersion curve of a round iris wave guide. Part 1. B.V.Zverev, N.P.Sobenin, I.S. Shchedrin. Uskoriteli no.4:52-69 '62.

Parametrization of the dispersion curve of a round iris wave guide. Part 2. A.V.Gryzlov, N.P.Sobenin. Uskoriteli no.4:70-77 '62.

Performance of a traveling-wave tube in the second passband of a septate waveguide. IA.K.Trokhimenko, V.L. Isakov. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:51-57 Ja-F '64.

Transients in waveguide resonators with moving walls. O.A.Stetsenko. Izv.vys.ucheb.zav.; radiotekh. 7 no.1:71-80 Ja-F '64.

Variable waveguide attenuator for a high power level. B.Z.Kanter. Izv.vys.ucheb.zav.; radiotekh. 7 no.1: 98-99 Ja-F '64.

WAVES

(see also subdivision under Yalta region)

Study and calculation of wind waves in the shallow waters of a coastal area. E.IA.Frolikova. Vop.gidr. no.12: 61-67 '63.

Wave processes during longitudinal shock and measuring network for their registration. S.B.Benilov. Trudy MIIT no.171:128-146 '63.

WAVES—MEASUREMENT

Wavemeter-wavegraph with a rheostatic pickup. L.A. Gekhter. Vop.gidr. no.12:80-83 '63.

WAVES, CALMING OF

Waves in a swift current and their calming by directing fins. N.F.Daneliia, K.Z.Grigolashvili, G.N.Datunaishvili. Trudy GPI [Gruz.] no.4:51-58 '63.

WAXES

Reclamation of waxes. A.Suranov. Mias.ind.SSSR 34 no.6:39 '63.

WEATHER

(see also subdivision under Kazakhstan)

Characteristics of the atmospheric circulation and weather of 1963 in the Northern Hemisphere. V.R.Dubentsov, T.F.Batiaeva, L.S.Minina. Meteor.i gidrol. no.4:46-53 Ap '64.

WEATHER—PHYSIOLOGICAL EFFECT

Meteoropathological reactions in the clinic of internal diseases. G.A.Ushveridze and others. Sbor.trud.Gos. nauch.-issl.inst.kur.i fizioter. 26:29-36 '63.

Reactions to the weather in cardiovascular disease patients under the climatic conditions of the Kobuleti health resort. R.K.Gogibedashvili. Sbor.trud.Gos. nauch.-issl.inst.kur.i fizioter. 26:37-43 '63.

WEATHER CONTROL

Comparative effectiveness of dispersed solutions in the chamber of fogs. L.I. Bodunova, L.P. Zatsepina, A.D. Solov'ev. Trudy TSAO no.51:3-13 '63.

Effect of ultraviolet emissivity on the ice-forming activity of a lead iodite aerosol. M.IA. Aksenov, N.O. Plaude. Trudy TSAO no.51:29-32 '63.

Some characteristics of the conditions governing the crystallization of the supercooled drops of water solutions. T.N. Gromova, N.V. Gliki. Trudy TSAO no.51:20-28 '63.

Temperature limits of the applicability of the method of artificial reaction using solid carbonic acid. I.I. Gaivoronskii and others. Trudy TSAO no.51:14-19 '63.

WEATHER FORECASTING

(see also subdivision under Kazakhstan; Tashkent region)

Adiabatic invariants of atmospheric processes. A.M. Obukhov. Meteor.i gidrol. no.2:3-9 F '64.

Analysis and long-range forecasting of seasonal hydrometeorological phenomena based on the records of large-scale circulation epochs. M.Kh. Baidal. Trudy KazNIGMI no.20:76-86 '63.

Bobrov, V.IA. [Weather forecasting based on local observations] Kak predskazyvat' pogodu po mestnym priznakam. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 46 p. [MICROFILM]

Characteristics of similarity in natural synoptic periods. A.V. Babkin, D.A. Ped'. Trudy TSIP no.127:76-83 '63.

Forecasting the anomalies of air temperature in July and August for the European territory of the U.S.S.R. D.A. Ped', A.V. Babkin. Trudy TSIP no.127:38-66 '63.

Forecasting the anomalies of surface air temperature for a season and a month. L.I. Bliumina. Trudy TSIP no.127:67-75 '63.

Forecasting the anomalies of the monthly amount of precipitation during the cold semiannual period in the European territory of the U.S.S.R. N.A. Aristov. Trudy TSIP no.127:84-95 '63.

Improving some aspects of the method of composing seasonal weather forecasts. S.T. Pagava, N.M. Zakharova, N.A. Sevalkina. Trudy TSIP no.127:3-30 '63.

Intensive cold and heat waves over the European territory of the U.S.S.R. M.A. Dultseva, D.A. Ped'. Trudy TSIP no.127:137-143 '63.

Method of calculating the mean value of H_{500} for the trend of the natural synoptic period. S.T. Pagava. Meteor.i gidrol. no.2:20-26 F '64.

Objective forecasting of the mean value of H_{500} of the synoptic period. A.L. Kats, V.I. Kniazeva, A.I. Tokunova. Meteor.i gidrol. no.2:32-36 F '64.

Possibility of the application of quantitative criteria for the evaluation of similarity in atmospheric processes when forecasting the sequence of their development during the month. Z.I. Turketti. Trudy TSIP no.127:120-136 '63.

Some problems of the synoptic method of long-range weather forecasting. Z.L. Turketti. Meteor.i gidrol. no.2:42-48 F '64.

Statistical method for improving the forecasting of the anomalies of the mean monthly air temperature. D.A. Ped'. Trudy TSIP no.127:96-100 '63.

Studying the short-period oscillations of the anomalies of cyclonic and anticyclonic activity. N.A. Belinskii, M.G. Glagoleva. Meteor.i gidrol. no.2:27-31 F '64.

Theoretical model of weather forecasting. G.I. Marchuk. Dokl.AN SSSR 155 no.5:1062-1065 Ap '64.

WEATHER FORECASTING—MAPS

Results of testing the calculation method of the AT_{500} map for the tendency of the following natural synoptic period. N.M. Zakharova, S.T. Pagava. Trudy TSIP no.127:31-37 '63.

WEATHERING

(see also subdivision under Pechenga District; Vietnam, North)

Processes of laterite weathering and conditions governing construction on laterites. G.K. Bondarik. Trudy VSEGINGEO no.1:27-39 '63.

WEAVING

(see also subdivision under Gavrilov-Yam, Yaroslavl Province)

Determining the coefficient of the friction of silk yarn over the warp winding surface of the loom beam. G.V. Lobzhanidze. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:77-79 '64.

WEAVING—EQUIPMENT AND SUPPLIES

Zevakin, L.V. [Automation and mechanization in weaving] Avtomatizatsiia i mekhanizatsiia v tkachestve. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 227 p. [MICROFILM]

WEAVING—STANDARDS

Concerning the 9599-61 State Standard "Weaves (simple) Technicalities and specifications." A.V. Sukharde. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.1:164 '64.

WEED CONTROL

(see also subdivision under Armenia; Crimea; Georgia; Kazakhstan; Latvia; Virgin Territory)

Chemical control of hoary cress in winter wheat and barley fields. A.A. Mordovets. Khim.v sel'.khoz. 2 no.3:36-38 Mr '64.

Control of wild oats and sowthistle. G.A. Aniskin. Zemledelie 26 no.4:25-30 Ap '64.

Effect of simazine and atrazine on the decrease of the weediness of fields and the germination of weed seeds. A.I. Shishkin. Khim.v sel'.khoz. 2 no.3:34-36 Mr '64.

Weed control in sugar beet fields. M.I. Terent'eva. Zashch.rast.ot vred.i bol. 9 no.4:28-29 '64.

Without expenditure of manual labor. E.M. Sechenov. Zashch.rast.ot vred.i bol. 9 no.4:27 '64.

WEED CONTROL—ECONOMIC ASPECTS see subdivision under Uzbekistan

WEED CONTROL—EQUIPMENT AND SUPPLIES

(see also subdivision under Kuban)

Mechanization of the placement of herbicides in the soil. I.N. Veletskii. Mekh. i elek. sots. sel'khoz. 22 no.1:8-12 '64.

WEEVILS see subdivision under Baikal Lake region; Novosibirsk Reservoir region; Voronezh region

WEEVILS—BIOLOGICAL CONTROL see subdivision under Kulunda Steppe

WEIGHING MACHINES

Automatic weighing of piece goods. G.E. Gorlin, S.P. Orlov. Mekh.i avtom.proizv. 18 no.4:11-18 Ap '64.

Improvement in the design of the DI-1200 scales. A.A. Rudzit. Stroi.mat. 10 no.1:30 Ja '64.

Multicomponent program-controlled weighing device. A.I. Angeli. Avtom.i prib. no.1:51-53 Ja-Mr '64.

Review of E.B. Karpin's book "Design of weighing and proportioning equipment." G.G. Mirzabekov, E.A. Mikhailovskii. Mekh.i avtom.proizv. 18 no.4:58 Ap '64.

WEIGHT FUNCTIONS

Theorem on the density of finite functions in $L_{p,a}^{(m)}(E_n)$ space. V.R. Portnov. Dokl.AN SSSR 154 no.3:530-533 Ja '64.

WEIGHT LIFTING

Vorob'ev, A.N. [Present-day training in weight lifting] Sovremennaia trenirovka tiazheloatleta. Moskva, Fizkul'tura i sport, 1964. 205 p.

WEIGHTLESSNESS

Blood circulation under conditions of weightlessness. I.I. Kas'ian, V.I. Kopanev, V.I. IAzdovskii. Izv.AN SSSR.Ser.biol. no.3:352-368 My-Je '64.

Sensitivity of the vestibular analysor and sensory reactions of man during short periods of weightlessness. E.M. IUganov, I.A. Sidel'nikov, A.I. Gorshkov, I.I. Kas'ian. Izv.AN SSSR.Ser.biol. no.3:369-375 My-Je '64.

WEIRS—HYDRODYNAMICS

Hydraulic calculations of submerged broad-crested weirs. I.I. Agroskin. Dokl.TSKHA no.87:217-221 '63.

WELDING

Determining the angle of equistable oblique butt weld. B.S. TSfas, N.S. Shatalov, V.I. Filippov. Sbor.dokl. Stud.nauch.ob-va Fak.mekh.sel'.khoz.Kuib.sel'khoz.inst. no.1:126-130 '62.

Toward new achievements in the expansion of welding. Svar.proizv. no.11:1-2 N '63.

WELDING—BIBLIOGRAPHY see Bibliography—Welding

WELDING—DICTIONARIES

Akademiia nauk URSR, Kiev. [Russian-Ukrainian dictionary on welding terminology. 8,000 terms] Rosiis'ko-ukrains'kyi slovnyk zvariuval'noi terminologii. 8000 terminiv. Ukladach A.G. Potap'ievs'kyi. Kyiv, 1964. 144 p.

WELDING—EQUIPMENT AND SUPPLIES

Welding equipment from the German Democratic Republic at the 1963 Leipzig Fair. V. Anders. Svar. proizv. no.11:40-44 N '63.

WELDING—STUDY AND TEACHING

Let's improve the training of welders. V. Il'in. Prof.-tekh.obr. 21 no.4:29-30 Ap '64.

WELDING—TESTING

Dynamic strength of joints between steel and aluminum alloys. G.A. Bel'chuk. Svar.proizv. no.11:3-5 N '63.

WELDING, ELECTRIC see Electric welding

WELLS

Anatol'evskii, P.A., A.V. Maloian, and O.M. Shneerov. [Operation and repair of water wells] Ekspluatatsiia i remont vodianykh skvazhin. Moskva, Izd-vo "Nedra," 1964. 211 p.

Theory of a rural lever-type well. V.I. D'iakonov, B.S. TSfas. Sbor.dokl.Stud.nauch.ob-va Fak.mekh.sel'.khoz. Kuib.sel'khoz.inst. no.1:42-44 '62.

WELLS—HYDRODYNAMICS

Studying water flow toward a well with periodical take off. N.A. Karambirov, Zh. Chogdon. Dokl.TSKHA no.87:29-36 '63.

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN—CLIMATE

Periglacial formation in the West Siberian Plain. E.P. Zarrina and others. Mat.VSEGEI.Chet.geol.i geomorf. no.4:54-104 '61.

WEST SIBERIAN PLAIN—GEOMORPHOLOGY

Basic characteristics of the geomorphological structure of the southwestern part of the West Siberian Plain. V.D. Tarnogradskii. Trudy VSEGEI 90:134-145 '63.

WEST SIBERIAN PLAIN—GLACIAL EPOCH

Periglacial formation in the West Siberian Plain. E.P. Zarrina and others. Mat.VSEGEI.Chet.geol.i geomorf. no.4:54-104 '61.

WEST SIBERIAN PLAIN—PETROLEUM GEOLOGY

Let us create new oil and gas producing centers in Western Siberia and the southern Mangyshlak Peninsula. Geol.nefti i gaza 8 no.1:1-6 Ja '64.

WEST SIBERIAN PLAIN—SWAMPS

Genetic scheme of bog formations according to landform zones in the West Siberian Plain. A.M. Zharkova. Izv.Omsk.otd.Geog.ob-va no.5:61-86 '63.

Yersey chain complex in the zone of hypnum bogs in the West Siberian Plain. A.M. Zharkova. Izv.Omsk.otd. Geog.ob-va no.5:87-92 '63.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WESTERN TEBUK OIL FIELD—PETROLEUM GEOLOGY

Certain geological features of the Middle-Devonian producing layers in the Western Tebuk oil field. S.S. Blokh, V.V. Voinov, K.G. Trushina. Nauch.-tekh. sbor.po dob.nefti no.21:13-19 '63.

WESTERN TEBUK OIL FIELD—PETROLEUM PRODUCTION

Certain features of the technological process in the development of the Western-Tebuk oil field in the Komi A.S.S.R. S.S. Blokh and others. Nauch.-tekh. sbor.po dob.nefti no.21:54-58 '63.

WHALE PRODUCTS

Chemical composition and comparative evaluation of whale meat. V.A. Makarov. Ryb.khoz. 40 no.3:63-65 '64.

WHALES

Color of whales. Priroda 53 no.5:119-120 '64.

WHARVES see subdivision under Karachi, Pakistan

WHEAT

(see also subdivision under Azerbaijan; Stavropol Territory; Sverdlovsk region)

Development of new forms in wheat grown from unripe seeds. V.O. Babaian. Agrobiologiia no.5:672-674 S-O '63.

Effect of D_2O on the physical properties of wheat gluten. V.L. Kretovich, A.B. Vakar. Dokl.AN SSSR 155 no.2:465-467 Mr '64.

Effect of the growth conditions on the wheat gluten. A.K. El'-Miligi, A.B. Vakar, V.L. Kretovich. Dokl.AN SSSR 155 no.3:702-704 Mr '64.

Irreplaceable amino acid content in the herbage of corn and the perennial wheat M-2. S.M. Sokolova, N.A. Tiunova. Biul.Glav.bot.sada no.48:53-56 '63.

Preserving poorly wintering winter and spring forms of wheat during fall, winter and spring. T.I. Trunova. Agrobiologiia no.5:687-690 S-O '63.

Resistance of spring wheat to excessive moisture in various growth phases. I.A. Stefanovskii. Agrobiologiia no.5:778-779 S-O '63.

Stimulating the variability of the spring wheat Tr. vulgare Host. by sowing unripe seeds. T.D. D'iachenko. Agrobiologiia no.5:662-671 S-O '63.

Variability of the wheat Tr. dicoccum, Tr. persicum, and Tr. timopheevi under the effect of low temperatures on sprouts. M.M. Kisliuk. Agrobiologiia no.5:779-781 S-O '63.

WHEAT—ANALYSIS see subdivision under Ukraine

WHEAT—DISEASES AND PESTS

(see also subdivision under Krasnoyarsk Territory; Ukraine)

Using herbicides along with insecticides for spring wheat. I.M. Zambin. Zashch.rast.ot vred.i bol. 9 no.4:13-14 '64.

WHEAT—FERTILIZERS AND MANURES

Fertilize the entire area under winter wheat. P. Luk'ianenko and others. Zemledelie 26 no.1:23-26 Ja '64.

WHEAT—VARIETIES
(see also subdivision under White Russia)

Investigation of the geographical distribution of some morphological characteristics of cultivated wheat. IU.P.Laptev. Bot.zhur. 49 no.4:576-580 Ap '64.

Strong wheat on the "Rossiia" Collective Farm. M.G. Solov'ev. Zemledelie 26 no.1:66-67 Ja '64.

World wheat varieties and their use for breeding [with summary in English]. M.M.IAkubtsiner. Trudy po prikl.bot., gen.i sel. 33 no.2:142-160 '63.

WHEAT BREEDING
(see also subdivision under Krasnoyarsk)

Behavior of amphidiploid wheat after late fall sowing. A.R. Zhebrak, IU.K. Nikol'skii. Bot.; issl. Bel. otd. VBO no.5:31-44 '63.

Controlled heritable transformation of the dual-purpose wheat into frost-resistant winter forms. V.K.Karapetian. Izv.AN SSSR.Ser.biol. no.3:451-459 My-Je '64.

Cytological study of hybrids of the wheat Tr. Timopheevi. E.G.Simonian. Izv.AN Arm.SSR.Biol.nauki 17 no.3:45-43 Mr '64.

Increasing the pollination capacity of castrated wheat flowers in free crossing. IY.P.Laptev. Agrobiologiia no.5:777 S-O '63.

New horizons in wheat breeding. P.M.Zhukovskii. Bot.zhur. 49 no.4:546-548 Ap '64.

Some methods of overcoming the inviability of remote wheat hybrids [with summary in English]. V.P.Bannikova. Ukr.bot.zhur. 20 no.5:12-19 '63.

World wheat varieties and their use for breeding [with summary in English]. M.M.IAkubtsiner. Trudy po prikl.bot., gen.i sel. 33 no.2:142-160 '63.

WHITE RUSSIA—ACORNS

Effect of ecologic conditions on the properties of acorns. N.V.Shkutko. Bot.; issl.Bel.otd.VBO no.5:127-134 '63.

WHITE RUSSIA—AGRICULTURAL CREDIT

Credit relations with intercollective farm building organizations. V.Verbitskii. Den.i kred. 22 no.4: 64-66 Ap '64.

WHITE RUSSIA—ASPEN

Types and associations of aspen forests in the northeastern part of the White Russian S.S.R. P.IA.Petrovskii. Bot.; issl.Bel.otd.VBO no.5:94-102 '63.

WHITE RUSSIA—BEANS—DISEASES AND PESTS

Diseases of fodder beans. N.I.Chekalinskaia. Bot.; issl.Bel.otd.VBO no.5:210-216 '63.

WHITE RUSSIA—BOTANICAL SOCIETIES

Activity of the White Russian Branch of the All-Union Botanical Society in 1961-1962. Bot.; issl.Bel.otd. VBO no.5:224-231 '63.

Members of the Council, Presidium and the Control Commission of the White Russian Branch of the All-Union Botanical Society. Bot.; issl.Bel.otd.VBO no.5:231-232 '63.

WHITE RUSSIA—BULLS

Judging herd bulls by the milk yield of their daughters. A.B.Rainou, N.T.Mikhedau. Vestsi AN BSSR.Ser. sel'hasp.nav. no.1:126-130 '64.

WHITE RUSSIA—CANCER

Status of prevention diagnosis and treatment of malignant tumors in the White Russian S.S.R.; data for 1962. N.N.Aleksandrov, Z.M.Gutman. Zdrav.Bel. 9 no.6: 3-6 Je '63.

WHITE RUSSIA—CHEMICAL INDUSTRIES

For the propagandist's notebook. Komm.Bel. 38 no.4: 45-48 Ap '64.

WHITE RUSSIA—COINS, SCOTTISH

Scottish coins of the first half of the 17th century in the hoards found in White Russia and adjacent regions. N.V.Riabtsevich. Num.i epig. 4:251-260 '63.

WHITE RUSSIA—COLLECTIVE FARMS

Strengthening the communal economy of collective farms is the best way to raise the standard of living of White Russian collective farmers. H.F.Lohinau. Vesti AN BSSR.Ser.hram.nav. no.1:41-49 '64.

WHITE RUSSIA—COLLECTIVE FARMS—INTERFARM COOPERATION

Credit relations with intercollective farm building organizations. V.Verbitskii. Den.i kred. 22 no.4: 64-66 Ap '64.

WHITE RUSSIA—COMMUNIST PARTY

Correct interpretation of the history of the Communist Party of Western White Russia. Kommunist 41 no.8: 68 My '64.

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Mass political work in postwar White Russia. A.I. Machulenka. Vesti AN BSSR.Ser.hram.nav. no.1: 61-72 '64.

News on ideological work. Komm.Bel. 38 no.4:50-60 Ap '64.

Think, search, show initiative. G.Mashkov, N.Mishchenko. Komm.Bel 38 no.4:20-26 Ap '64.

WHITE RUSSIA—COOPERATIVE SOCIETIES

Give more attention to collective farm and city cooperative trade. N.Kuznetsov. Sov.torg. 37 no.3:6-10 Mr '64.

WHITE RUSSIA—COWS

Characteristics of the internal organs and physiological features in the infrabreed types of Latvian brown cows. A.I.IAzerskaia. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:103-105 '64.

WHITE RUSSIA—CRANE FLIES—EXTERMINATION

Tipula paludosa and measures for its control. T.I. Zapol'skaia. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1: 131-133 '64.

WHITE RUSSIA—CUCUMBERS—DISEASES AND PESTS

Measures for protecting cucumbers from Sclerotina libertiana and bacteriosis in greenhouse and hotbeds. M.A.Darozhkin, A.A.Sapahova. Vestsi AN BSSR. Ser.sel'hasp.nav. no.1:66-68 '64.

WHITE RUSSIA—ECONOMIC POLICY

Walking forward with confidence on an extensive front. IA.Kachan. Komm.Bel. 38 no.4:13-19 Ap '64.

WHITE RUSSIA—EDUCATION OF CHILDREN

Consolidate the family, take care of the education of children. Z.Gordysheva. Komm.Bel. 38 no.4:49-53 Ap '64.

WHITE RUSSIA—EFFICIENCY, INDUSTRIAL

The movement of White Russian efficiency promoters and inventors for technological progress in the period of the seven-year plan. V.M.Famin. Vesti AN BSSR. Ser.hram.nav. no.1:25-34 '64.

WHITE RUSSIA—FAMILY

Consolidate the family, take care of the education of children. Z.Gordysheva. Komm.Bel. 38 no.4:49-53 Ap '64.

WHITE RUSSIA—FEEDS

Chemicalization and intensification of agriculture in White Russia. S.H.Skarapanau. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:5-10 '64.

WHITE RUSSIA—FERTILIZERS AND MANURES

Chemicalization and intensification of agriculture in White Russia. S.H.Skarapanau. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:5-10 '64.

Effectiveness of mineral fertilizers in crop rotations in peat bog soils. N.N.Niastsiuk. Vestsi AN BSSR.Ser. sel'hasp.nav. no.1:39-44 '64.

Problems of the efficient use of fertilizers in White Russia. R.T.Vil'dflush. Vestsi AN BSSR.Ser.sel'hasp. nav. no.1:22-31 '64.

Quality of local organic fertilizers on the collective and state farms in White Russia and ways for its improvement. V.S.Rubanau, N.I.Krupen', N.M.Latushkina. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:52-59 '64.

WHITE RUSSIA—FERTILIZERS AND MANURES—ECONOMIC ASPECTS

Economic effectiveness of the use of mineral fertilizers in peat bog soils. B.B.Bel'ski, N.A.Kavalenka. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:32-38 '64.

WHITE RUSSIA—FOREST ECOLOGY

Penetration of meadow and field grasses under the canopy of an oak forest. N.M.Berezenko. Bot.; issl.Bel. otd.VBO no.5:5-8 '63.

Types and associations of aspen forests in the northeastern part of the White Russian S.S.R. P.IA.Petrovskii. Bot.; issl.Bel.otd.VBO no.5:94-102 '63.

WHITE RUSSIA—FUNGI, PHYTOPATHOGENIC

Fungous diseases of larch stands in White Russia. A.D. IAkushko. Bot.; issl.Bel.otd.VBO no.5:218-223 '63.

WHITE RUSSIA—GREEN MANURING

Effect of the intermediate culture of lupine and plowing under on the microflora of pine forest and cranberry soils. A.IA.Mironenko, E.S.Gurinovich. Bot.; issl. Bel.otd.VBO no.5:77-85 '63.

WHITE RUSSIA—HERBARIA

Herbarium of the Institute of Biology of the Academy of Sciences of the White Russian S.S.R. N.V.Kozlovskaia. Bot.; issl.Bel.otd.VBO no.5:236-237 '63.

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Activity of the party organization of White Russia in introducing advance practice to industry; 1959-1963. V.S.Bogdanov. Vop.ist.KPSS 8 no.5:16-24 My '64.

WHITE RUSSIA—INDUSTRIAL PROCUREMENT—FINANC

Profit of supply and sale organizations. I.Rainer. Fin. SSSR 38 no.3:40-43 Mr '64.

WHITE RUSSIA—INFLUENZA

Characteristics of influenza distribution in the White Russian S.S.R. in 1957. IA.M.Selivanov. Vop.med. virus. no.5 pt.2:51-53 '58.

WHITE RUSSIA—JOURNALISM

Always in the front line. V.Matveev. Komm.Bel. 38 no.4:61-66 Ap '64.

WHITE RUSSIA—KARST

Karst phenomena in White Russia. V.V.Drozd. Izv.Vses. geog.ob-va 96 no.1:54-56 Ja-F '64.

WHITE RUSSIA—LARCH—DISEASES AND PESTS

Fungous diseases of larch stands in White Russia. A.D. IAkushko. Bot.; issl.Bel.otd.VBO no.5:218-223 '63.

WHITE RUSSIA—MEDICINE—PERIODICALS

Activity of the periodical "Zdravookhranenie Belorussii" in 1962. Zdrav.Bel. 9 no.6:90-93 Je '63.

WHITE RUSSIA—MILK—ANALYSIS AND EXAMINATION

Accuracy in determining protein in selected milk samples by the luminescence method. S.V.Konov, T.I. Lyskova, P.N.Saloshenko. Dokl.AN BSSR 8 no.1:51-52 Ja '64.

WHITE RUSSIA—NEUROPATHOLOGICAL SOCIETIES

Activity of the White Russian Scientific Society of Neuropathologists and Psychiatrists for 1961-1962. D.A. Markov, M.M.Korin. Zdrav.Bel. 9 no.6:88-89 Je '63.

WHITE RUSSIA—NORWAY SPRUCE—VARIETIES

New biological forms of the Norway spruce in White Russia. V.I.Parfenov. Dokl.AN BSSR 8 no.3:188-191 Mr '64.

WHITE RUSSIA—OAK

Penetration of meadow and field grasses under the canopy of an oak forest. N.M.Berezenko. Bot.; issl.Bel. otd.VBO no.5:5-8 '63.

WHITE RUSSIA—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Fertilizing cultivated pastures in dry valleys. D.A. Zabela. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1: 45-51 '64.

WHITE RUSSIA—PEAT—NITROGEN CONTENT

Lowland peat as a source of nitrogen, its mineralization in the soil and under the conditions of prolonged aeration. E.I.Dvoinishnikova. Bot.; issl.Bel.otd.VBO no.5:22-30 '63.

WHITE RUSSIA—PEAT BOGS

Economic effectiveness of the use of mineral fertilizers in peat bog soils. B.B.Bel'ski, N.A.Kavalenka. Vestsi AN BSSR.Ser.sel'hasp.nav. no.1:32-38 '64.

Effectiveness of mineral fertilizers in crop rotations in peat bog soils. N.N.Niastsiuk. Vestsi AN BSSR.Ser. sel'hasp.nav. no.1:39-44 '64.

WHITE RUSSIA—PERENNIALS

Introduction of ornamental perennials flowering in the spring. A.S.Merlo. Bot.; issl.Bel.otd.VBO no.5: 70-77 '63.

WHITE RUSSIA—PINE

Quality of common pine seeds in uneven-aged stands. IU.N.Azniev. Bot.; issl.Bel.otd.VBO no.5:140-150 '63.

Variation of the morphological character of cones and seeds of the common pine. L.S.Vasilevskaia. Bot.; issl.Bel.otd.VBO no.5:107-109 '63.

WHITE RUSSIA—PLANT INTRODUCTION

Introduction of ornamental perennials flowering in the spring. A.S.Merlo. Bot.; issl.Bel.otd.VBO no.5: 70-77 '63.

WHITE RUSSIA—PLANTS, PROTECTION OF—CONGRESSES

In White Russia. V.V.Volchenko. Zashch.rast.ot vred. i bol. 9 no.4:57-58 '64.

WHITE RUSSIA—POLITICS AND GOVERNMENT

The struggle for Lenin's principles in international relations. K.Kiselev. Komm.Bel. 38 no.4:33-38 Ap '64.

White Russia in the struggle for world peace. B.Alekseev. Mezhdunar.zhizn' 11 no.5:135-136 My '64.

WHITE RUSSIA—PSYCHIATRIC SOCIETIES

Activity of the White Russian Scientific Society of Neuropathologists and Psychiatrists for 1961-1962. D.A. Markov, M.M.Korin. Zdrav.Bel. 9 no.6:88-89 Je '63.

WHITE RUSSIA—QUARRIES AND QUARRYING

Stone mines in western White Russia. N.N.Gurina, G.M.Kovnurko. Sov.arkheol. 8 no.2:3-12 '64.

WHITE RUSSIA—[illegible]

Fourth Plenum of the [illegible] Society of the White Russian S.S.R. [illegible] Zhivot. [illegible] '63.

WHITE RUSSIA—[illegible] (BOTANY)

[illegible]

WHITE RUSSIA—RELATIONS (GENERAL) WITH POLAND

[illegible]

WHITE RUSSIA—RETAIL TRADE—ACCOUNTING

[illegible]

WHITE RUSSIA—ROAD CONSTRUCTION

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—SOIL MICROORGANISMS

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—[illegible]

[illegible]

WHITE RUSSIA—SUGAR BEETS

[illegible]

WHITE RUSSIA—SWINE—FEEDING AND FEEDS

Comparative fattening of young pigs of the White Russian Black and White group and Large White breeds. [illegible] Vestsi AN BSSR Ser. sel'khoz. nav. no. [illegible] '64.

WHITE RUSSIA—SWINE HOUSES AND EQUIPMENT

Against the [illegible] of group [illegible] of swine. [illegible] Vestsi AN BSSR Ser. sel'khoz. nav. no. [illegible] '64.

WHITE RUSSIA—TAPEWORMS—EXTERMINATION

Using chemical preparations in the control of monieziasis in farm ruminants. [illegible] Vestsi AN BSSR Ser. sel'khoz. nav. no. [illegible] '64.

WHITE RUSSIA—THEATERS

[illegible], V. M. [The path of the White Russian theater; from the history of Ukrainian-White Russian theatrical relations] [illegible] Kyiv, "Mystetstvo," 1964. 150 p.

WHITE RUSSIA—TOMATOES—DISEASES AND PESTS

Forms of phytophthora on tomato fruits. [illegible] Dokl. AN BSSR 8 no. [illegible] '64.

WHITE RUSSIA—TUBERCULOSIS IN ANIMALS

Ways for the elimination of tuberculosis in animals in White Russia. [illegible] Veterinariia 40 no. [illegible] '63.

WHITE RUSSIA—WHEAT—VARIETIES

Variation of the winter wheat forms caused by sowing physiologically immature seeds. A. A. [illegible] Dokl. AN BSSR [illegible] '63.

WHITE RUSSIA—WOMEN

Zakhvatova, A. N. [Women of White Russia, builders of communism] Zhanchyny Belarusi, budaunikі kamunizma. Minsk, Dziarzh. vyd-va BSSR, 1962. 204 p.
(MH)

WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[illegible] like a bayonet] N. D. [illegible] 39 no. [illegible] Ap '64.

WHITE RUSSIAN LANGUAGE—VERB

[illegible] of the White Russian infinitive ending in "ts." [illegible] Vestsi AN BSSR. Ser. hramadsk. nav. no. [illegible] '64.

WHITE RUSSIAN LITERATURE—HISTORY AND CRITICISM

[illegible] in the development of [illegible] White Russian culture. [illegible] Vestsi AN BSSR. Ser. hramadsk. nav. no. [illegible] '64.

WHITE RUSSIAN OPERA see Opera, White Russian

WHITE RUSSIAN WIT AND HUMOR

[Under the roof; a collection of satire and humor] Pad [illegible]; zbornik satyry i humaru. Minsk, Dziarzhaunae vyd-va BSSR, 1961. 244 p.
(MH)

WHITE SEA—SALMON

[illegible] the White and [illegible]

WHOLESALE TRADE
(see also subdivision under Cherkassy Province, [illegible])

[illegible]

[illegible]

WHOLESALE TRADE—EQUIPMENT AND SUPPLIES

[illegible], M. S. [Manual for the mechanization, automation, and equipping of trade enterprises and warehouses] Spravochnik po mekhanizatsii, avtomatizatsii i oborudovaniiu torgovykh predpriiatii i skladov. Moskva, Izd-vo [illegible], 1963. 448 p.

WHOOPING COUGH

[illegible]

[illegible] in whooping cough [illegible]

Experimental study of combined whooping cough and [illegible] (with summary in English). [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] '63.

Incidence of complications in children having previously had measles or whooping cough, based on the [illegible] (with summary in English). [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] '63.

[illegible] changes in the brain in whooping cough [illegible] Pediatriia 42 no. [illegible] '63.

WHOOPING COUGH—MICROBIOLOGY
(see also subdivision under Leningrad)

[illegible] of pertussis and parapertussis bacteria [illegible]

Study of the specificity of antipertussis fluorescent serum (with summary in English). [illegible] F. Makarova, M. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] S '63.

WHOOPING COUGH—PREVENTIVE INOCULATION

Bacteriological diagnosis of pertussis under conditions of mass specific vaccination (with summary in English). A. A. [illegible] and others. Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Clinical aspects of whooping cough in children inoculated with anti-pertussis vaccines (with summary in English). A. V. [illegible], N. V. Zakharova. Pediatriia 42 no. 9: [illegible] S '63.

Comparative study of immunological changes in [illegible] with pertussis and pertussis-diphtheria vaccines (with summary in English). N. A. [illegible] and others. Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Compound immunization by pertussis-diphtheria-tetanus and smallpox vaccines (with summary in English). N. A. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Effectiveness of pertussis vaccinations (with summary in English). S. I. [illegible] and others. Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Effectiveness of specific pertussis prevention in an urban district (with summary in English). M. A. [illegible], T. N. Panteleeva. Zhur. mikrobiol., epid. i immun. 40 no. 9:22-26 S '63.

Experimental study of combined vaccine for active immunization against scarlet fever, diphtheria, whooping cough and tetanus (with summary in English). P. V. Pavlov and others. Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Reactogenicity and immunological effectiveness of the pertussis-diphtheria-tetanus vaccine. L. V. Ignat'eva. Zhur. mikrobiol., epid. i immun. 40 no. 9: [illegible] S '63.

Some characteristics in the course of whooping cough under present conditions. A. A. [illegible], N. N. [illegible], L. I. [illegible] Pediatriia 42 no. [illegible] S '63.

Some problems of microbiology and immunology of whooping cough during mass immunization (with summary in English). [illegible], [illegible] A. Kozlova. Vop. okh. mat. i det. 7 no. 6:25-29 Je '62.

Study of the reactogenicity of the combined whooping cough and diphtherial vaccine. Z. I. [illegible] and others. [illegible] '60.

WILD BOAR see subdivision under Siberia, Western

WILD OATS

Control of wild oats and [illegible] A. [illegible] Zemledelie 26 no. 4: [illegible] Ap '64.

Effectiveness of [illegible] in the control of wild oats. [illegible] and others. Khim. v sel'. khoz. 2 no. [illegible] '64.

Studying the [illegible] activity and selectivity of [illegible] A. [illegible] and others. Khim. v sel'. khoz. [illegible] '64.

WILL

Discussing the problems of the psychology of will, its training and self training. [illegible] Sov. pedag. 28 no. 4: [illegible] Ap '64.

WILNO see Vilnius

WINCHES

Lifting winches on ships of the type "[illegible]." G. [illegible] Mor. flot 23 no. 12: [illegible] D '63.

WINCHES—BRAKES

Study of the braking effect of load-lowering when winching with a safety brake. [illegible] A. [illegible] Izv. vys. ucheb. zav.; gor. zhur. [illegible] no. 12: [illegible] '63.

WINDING MACHINES

[illegible] of the apparatus for parallel winding on [illegible]

WINDS
(see also subdivision under Antarctic regions; Dzungarian Gates; Mirny region; Turkmenistan)

Description of the [illegible] structure of wind velocity over the sea within a given time [illegible] (with summary in English). [illegible] Vest. LGU 19 no. [illegible] '64.

WINDS—MEASUREMENT

Methodology of wind measurements over inland waters. [illegible] A. [illegible] Trudy GGO no. 117: [illegible] '61.

WINGS

Methods of quantitative analysis of the wing pattern of [illegible] (Lepidoptera). [illegible] Dokl. AN SSSR [illegible] '64.

WINTER OLYMPICS see Olympic games (Winter)

WIRE—TESTING

Machine for endurance testing of armature-binding wire. [illegible] M. [illegible], V. S. [illegible] Zav. lab. 30 no. [illegible] '64.

WIRE ROPE

Experimental investigation of the parameters of mechanical hysteresis in steel-wire ropes. A. P. [illegible], N. V. Zelinskaia. Nauch. zap. Od. politekh. inst. 48:17-2[illegible] '62.

Internal engineering force factors and problems of technological improvement of steel-wire ropes with unidirectional twist. V. N. Chuvagin. Nauch. zap. Od. politekh. inst. 48:73-86 '62.

Tulayev, V. A. [Investigating strains in steel wire ropes of a multiple-span aerial skidder] Issledovanie usilii v stal'nykh kanatakh mnogoproletnoi VTU-3. Petrozavodsk, Severo-Karel'skii [illegible], 1961. 32 p.
[MICROFILM]

WIRE ROPE—MAGNETIC PROPERTIES

Effect of the fatigue process in steel rope wires on its magnetic properties. V. E. [illegible] Nauch. zap. Od. politekh. inst. 48: [illegible] '62.

WIRE ROPE—TESTING

Effect of residual stresses in wire on the efficiency of wire rope. E.I.Tulenkov, B.I.Gaidachenko. Stal' [illegible] Mr '64.

WIRE ROPE—VIBRATION

[illegible] vibrations of steel-wire rope taking into [illegible] mechanical hysteresis. R.V.Zeliukova. Nauch.zap.Od.politekh.inst. 46:59-65 '62.

WIRE ROPE INDUSTRY—EQUIPMENT AND SUPPLIES

Gorlovskii, M.B. [Equipment of wire drawing and wire rope manufacturing shops] Oborudovanie provolochnykh i kanatnykh tsekhov. Moskva, Izd-vo "Metallurgiia," 1964. 255 p.

WIREDRAWING

Effect of wire straightening during the drawing process on its mechanical properties. F.K.Tulenkov. Izv.vys.ucheb.zav.; chern.met. 7 no.5:110-116 '64.

WIREDRAWING MACHINES

Gorlovskii, M.B. [Equipment of wire drawing and wire rope manufacturing shops] Oborudovanie provolochnykh i kanatnykh tsekhov. Moskva, Izd-vo "Metallurgiia," 1964. 255 p.

WIREWORMS—EXTERMINATION

Hexachloran suspensions for controlling wireworms. M.A.Skliarevskii, A.P.Bagrianets. Zashch.rast.ot vred.i bol. 9 no.4:3 '64.

WOMEN see subdivision under White Russia

WOMEN—CONGRESSES

Reflections on peace. Tat'iana Tess. Isk.kino 34 no.2:46-49 '64.

Unforgettable days. Enegul' Khaliyeva. Zdrav.Turk. 7 no.12:39-42 D '63.

WOMEN—EMPLOYMENT

(see also subdivision under Soviet Central Asia)

In the front line of the struggle for technological progress. T.I.TSareva and others. Masl.-zhir.prom. 30 no.3:2-6 Mr '64.

In the name of happiness and joy. Irena Janiszewska. Sov.profsoiuzy 20 no.8:40 Ap '64.

WOMEN, FRENCH

Serebriakova, G.I. [Women of the period of the French Revolution] Zhenshchiny epokhi frantsuzskoi revoliutsii. Moskva, Sovetskii pisatel', 1964. 278 p.

WOMEN AS ACCOUNTANTS see subdivision under East Kazakhstan Province

WOMEN AS JUDGES

Daily work of an arbitration judge. A.Balashev. Sov. iust. 28 no.8:26-27 Ap '64.

A heart devoted to people. S.Postnikova. Sov.iust. 28 no.9:24-25 My '64.

WOMEN IN AGRICULTURE see subdivision under Yangiyer District

WOOD—DRYING

Experience in wood drying using commercial frequency current. F.M.Lashchiver, L.M.Vorob'ev. Prom. energ. 19 no.2:21-24 F '64.

WOOD—PRESERVATION

Baraks, A.M., and IU.N.Nikiforov. [Deep impregnation of wood by the use of incisions] Glubokaia propitka drevesiny putem primeneniia nakolov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 155 p.

Conference on problems concerning the production and use of wood-impregnating oil on a base of shale tars. I.Hüsse. Khim.i tekh.gor.slan.i prod.ikh perer. no.10:310-313 '62.

WOOD—TRANSPORTATION

Hydraulic conveying of chips in pipelines. V.V.Korobov. Bum.prom. no.1:13-15 Ja '64.

WOOD, COMPRESSED

Vinnik, N.I., and L.N.Korystin. [Industrial production of compressed wood] Promyshlennoe proizvodstvo pressovannoi drevesiny. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 137 p.

WOOD CARVING—STUDY AND TEACHING

How we organize the work of our club. U.E.Ivanov. Shkola i proizv. 8 no.3:53-55 Mr '64.

WOOD FINISHING

Guliaev, V.I. [Automatic apparatus for heating parts before varnishing] Avtomaticheskaia ustanovka dlia podogreva detalei pered lakirovaniem. Moskva, TSentr.nauchno-issl.in-t informatsii i tekhniko-ekon.issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 16 p. (Derevoobratka)
[MICROFILM]

Ukraine. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. Institut tekhnicheskoi informatsii. [Mechanization of finishing operations; from materials of interfactory training schools] Mekhanizatsiia otdelochnykh rabot; po materialam mezhzavodskoi shkoly. Kiev, 1963. 61 p.
[MICROFILM]

WOOD-USING INDUSTRIES

Gozenput, M.D., and D.P.Shur. [Photorelay in the wood-using industries] Fotorele v derevoobrabatyvaiushchei promyshlennosti. Moskva, TSentr.nauchno-issl.in-t informatsii i tekhniko-ekon.issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 36 p. (Derevoobrabotka)
[MICROFILM]

In the State Committee of the Forestry, Woodpulp, Woodworking Industries and Forestry, Attached to the State Planning Commission of the U.S.S.R. Bum.prom. no.4:2-3 of insert Ap '64.

Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. TSentral'noe pravlenie. [Advanced practices in the improvement of technique and technology in the woodpulp, hydrolysis, and wood chemicals industry] Peredovyi opyt sovershenstvovaniia tekhniki i tekhnologii v tselliulozno-bumazhnom, gidroliznom i lesokhimicheskom proizvodstve. Moskva, Goslesbumizdat, 1963. 81 p.

WOODCOCK

Periodic flights of woodcock on a white northern night. V.A.Piterskii. Priroda 53 no.5:126-127 '64.

WOODPULP

Use of hardwood in the manufacture of sulfate pulp for paper used in the electrical industry. O.V.Viatkina, D.G.Viatkin. Bum.prom. no.1:7-9 Ja '64.

WOODPULP—MICROBIOLOGY

Antiseptic treatment of commercial wood pulp. E.P. Oshchepkova. Bum.prom. no.1:17-18 Ja '64.

WOODPULP—STANDARDS

After the approval of the standard.... D.G.Shnyrikov. Bum.prom. no.1:30 Ja '64.

State standards to be established in 1964-1965. Bum. prom. no.4:27 Ap '64.

WOODPULP INDUSTRY

Dzhaliilov, Kh.I. [Problems of the raw materials basis of the woodpulp industry] Problemy syr'evoi bazy tselliulozno-bumazhnoi promyshlennosti. Izd.2., perer. i dop. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 258 p.

Kozmal, František. [Paper manufacture in theory and practice. Translated from the Slovak] Proizvodstvo bumagi v teorii i na praktike. Moskva, Izd-vo "Lesnaia promyshlennost'."

Vol.1. [Manufacture of semifinished products] Proizvodstvo voloknistykh polufabrikatov. Red. D.S.Dobrovol'skogo. 1964. 678 p.

Need for polyacrylamide specifications. A.V.Berkuta. Bum.prom. no.1:29 Ja '64.

Producing according to the new technology. B.A. Ovchinnikov, A.P.Levashov, A.F.Kutelnikov. Bum. prom. no.4:15-20 Ap '64.

Purification of waste waters in filter-settler structures. T.B.Poliakova. Bum.prom. no.4:21-23 Ap '64.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Horizontal hydraulic breakers. V.S.Shcherbakov, O.F. Rastorguev. Bum.prom. no.4:26-27 Ap '64.

Pneumatic mechanical fuel feeder for steam boilers. S.A.Margulis, A.A.Smirnov. Bum.prom. no.4:23-25 Ap '64.

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr.proizv. no.5 My '64.

WOODPULP INDUSTRY—HANDBOOKS, MANUALS, ETC.

"Manual for the sulfite pulping operator." Reviewed by P.B.Osanov. Bum.prom. no.4:31 Ap '64.

WOODPULP INDUSTRY—RESEARCH

Expand research work in width and depth; editorial. Bum. prom. no.4:1-2 Ap '64.

WOODRUFF see subdivision under Azerbaijan

WOODWORKING INDUSTRIES

(see also subdivision under Komi A.S.S.R.)

Nekhamkin, N.O. [Planning wood-processing enterprises; introductory lecture for students of the Faculty of Mechanical Wood Processing specializing in the technology of wood-processing enterprises] Proektirovanie derevoobrabatyvaiushchikh predpriiatii; vstupitel'naia lektsiia dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny po spetsializatsii - tekhnologiia derevoobrabatyvaiushchikh predpriiatii. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. 23 p.
[MICROFILM]

WOODWORKING MACHINERY

Device for manufacturing wedges for [illegible] V.N.Shipunov. Mest.prom. 17 no.[illegible]

Gol'denberg, Sh.A. [Equipment for the manufacture of wooden containers] Oborudovanie dlia proizvodstva derevianno tary. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 411 p.

Grube, A.E., and V.I.Sanov. [Automatic loading and unloading devices of woodworking machines for processing scantling and panel parts] Avtomaticheskie zagruzochnye i razgruzochnye ustroistva k derevoobrabatyvaiushchim stankam dlia obrabotki bruskovykh i shchitovykh detalei; stenogramma lektsii. Leningrad, No.1, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

Koval'chuk, L.M., E.N.Baskakin, and A.S.[illegible] [Mechanized dovetail gluing of wood] Mekhanizirovannoe skleivanie drevesiny na zubchatyi ship. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 43 p. (Derevoobrabotka)
[MICROFILM]

Laptev, A.G. [Machines and instruments for wood processing; manual on the preparation of a course project for students of the Faculty of Mechanical Wood Processing] Stanki i instrumenty po obrabotke drevesiny; posobie k kursovomu proektirovaniiu dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. [illegible] p.

Over-all mechanization of lay-out lines in [illegible] N.A.Morozov, V.E.Voskresenskii. [illegible] proizv. 10 no.4:24-27 Ap '64.

Trusova, L.P. [Using tools laminated with hard alloy in the woodworking industry] Primenenie instrumenta s plastinami iz tverdogo splava v derevoobrabatyvaiushchei promyshlennosti. Moskva, TSentr. [illegible] informatsii i ekon. issledovanii po lesnoi, [illegible] derevoobrabatyvaiushchei promyshlennosti, [illegible] 45 p. (Derevoobrabotka)
[MICROFILM]

WOODY PLANTS

(see also subdivision under Chernigov Province)

Effect of gibberellic acid on the dynamics of [illegible] germination of woody plants. I.A.[illegible], V.S. Vakula. Bot.; issl. Bel. otd. VBO no.5:[illegible] '63.

Effect of specific industrial gases on the [illegible] woody plants. V.G.Antipov. [illegible] no.5:150-154 '63.

Fundamental work of Soviet dendrologists. I.I.[illegible] and others. Izv.AN Azerb.SSR.Ser.biol.[illegible] no.2:127-129 '63.

Study of the intensity of photosynthesis in [illegible] forms of woody plants as related to an evaluation of their photophily. N.V.Smol'skii, V.S.Vakula. [illegible] AN BSSR 8 no.1:69-72 Ja '64.

WOOL

Relation of feeding with the fineness of wool [illegible] A.A.Veniaminov. Vest.sel'khoz.nauki 8 [illegible] D '63.

WOOL—TESTING

Rapid determination of the dustiness of [illegible] S.M.Kiriukhin, L.A.Lavishin. Standartizatsiia [illegible] no.3:37-38 Mr '64.

WOOLEN AND WORSTED MANUFACTURE

Avirom, S.M., ed. [Recovery and use of secondary wool in consumers' goods] Poluchenie i primenenie vtorichnoi shersti v izdeliiakh narodnogo potrebleniia. [By] S.M.Avirom i dr. Moskva, Izd-vo "Legkaia industriia," 1964. 260 p.

Labor expenditure in the manufacture of goods in the woolen industry. A.A.Turchaninov. Izv.vys.ucheb. zav.; tekh.tekst.prom. no.1:3-8 '64.

WOOLEN AND WORSTED SPINNING

Dudnik, A.I. [Worsted wool spinning] Grebennoe priadenie shersti. Pod red. I.V.Dudnikova. Moskva, Izd-vo "Legkaia industriia," 1964. 204 p.

WORK

Aesthetic nature of communist labor. S.S.Gol'[illegible] Vop.filos. 17 no.12:50-67 '63.

Experiment with a case study on the attitude to work. A.G.Zdravomyslov, V.A.IAdov. Vop.filos. [illegible] 72-84 '64.

Physical perfection is an inalienable trait of the harmoniously developed individual. E.I.Strigacheva. Vop. filos. 17 no.12:64-68 '63.

"Present-day intellectual work (in Japanese)" by [illegible] Singo. Reviewed by IU.B.Kozlovskii. Vop.filos. 17 no.12:170-171 '63.

Strukov, N.A. [Voluntary work under socialism; for technical schools] Obshchestvennyi trud pri sotsializme; dlia tekhnikumov. Moskva, Vysshaia shkola, 1963. 67 p. (Materialy k lektsiiam po politekonomii)

WORK—PHYSIOLOGICAL EFFECT

Kudelin, E.G. [Transforming work into joy, into the necessity of life] O prevrashchenii truda v radost', v zhiznennuiu potrebnost'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 133 p.

WORK MEASUREMENT

Methodology for determining and applying official standards for medical personnel of rural polyclinics and district hospitals. A.K.Khristuikhin. Sov.zdrav. 22 no.8:15-18 '63.

Methods of studying the input of work by medical personnel. M.A.Rogovoi. Sov.zdrav. 22 no.8:9-14 '63.

Official standards for municipal ambulatory-polyclinical institutions. V.A.Speranskii, G.K.Kornilova. Sov. zdrav. 22 no.8:32-34 '63.

WORLD COUNCIL OF CHURCHES

Address of Boris, Metropolitan of Kherson and Odessa, at the reception of members of the session in Odessa. Zhur.Mosk.Patr. no.4:16-17 '64.

Address of His Holiness Patriarch Aleksii at the reception of members of the session of the Executive Committee of the World Council of Churches at the Troitse-Sergieva Monastery. Zhur.Mosk.Patr. no.4:7-11 '64.

Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Leningrad. Zhur.Mosk.Patr. no.4:14-16 '64.

Address of Nikodim, Metropolitan of Leningrad and Ladoga, at the reception of members of the session in Moscow. Zhur.Mosk.Patr. no.4:11-14 '64.

Results of the session of the Executive Committee of the World Council of Churches. N.Zabolotskii. Zhur. Mosk.Patr. no.4:30-46 '64.

WORLD FEDERATION OF TRADE UNIONS

The W.F.T.U. and the struggle in South Africa. M.Babe. Vsem.prof.dvizh. no.11:19-21 N '63.

WORLD HISTORY

"Al-Tabari's history. History of the prophets and kings" by Abu Djafar Mohammed ibn Djajir al-Tabari (224-310). Reviewed by P.Griaznevich. Nar.Az.i Afr. no.3:186-189 '64.

Decline of the Eurocentrist historical conception [with summary in English, p.222]. K.B. Vinogradov, G.V. Efimov. Vop.ist. 39 no.3:114-125 Mr '64.

WORLD MAPS

A new world map by Martelius. V.L.Afanas'ev, M.A. Kogan. Priroda 53 no.5:102-104 '64.

WORLD POLITICS

Current problems of world politics; international survey. Mir.ekon.i mezhdunar.otn. no.4:3-22 '64.

Growing contradictions in the West. A.Gorokhov. Mezhdunar.zhizn' 11 no.5:18-28 My '64.

International notes. Nov.vrem. 21 no.19:20-23 My '64.

International notes. Nov.vrem. 21 no.20:16-18 My '64.

International notes. Nov.vrem. 21 no.21:20-21 My '64.

International significance of the experience of the CPSU. A.Pozmogov. Komm.Vooruzh.Sil 4 no.20:88-92 O '63.

Statistical corner. Mezhdunar.zhizn' 11 no.5:158 My '64.

Victory Day. Nov.vrem. 21 no.19:1-3 My '64.

[We support the just position of the Soviet Union, and take a stand against the disruption of the conference of the heads of government of four countries by American imperialists] Podderzhivaem spravedlivuiu pozitsiiu Sovetskogo Soiuza, vystupaem protiv sryva amerikanskimi imperialistami soveshchaniia glav pravitel'stv chetyrekh derzhav! Peking, Izd-vo lit-ry na inostr. iazykakh, 1960. 33 p.
(WaU)

World events. Nov.vrem. 21 no.19:30 My '64.

World events. Nov.vrem. 21 no.20:32 My '64.

World events. Nov.vrem. 21 no.21:32 My '64.

WORLD POLITICS—DICTIONARIES

[Dictionary of diplomacy in three volumes] Diplomaticheskii slovar'; v trekh tomakh. Glav. red. A.A.Gromyko, S.A.Golunskii i V.M.Khvostov. Red. kollegiia: A.A. Arzumanian i dr. Moskva, Politizdat.
Vol.3. R - IA. 1964. 559 p.

WORLD WAR, 1939-1945

(see also subdivision under Bryansk; Crimea; Czechoslovakia; Germany; Italy; Ivanovo; Kiev; Norway; Poland; Prague; Rzhev, Kalinin Province; Ukraine; United States; Vitebsk Province; White Russia)

Muradian, V.A. [Concord in combat. Work of army party organizations in educating Soviet soldiers in the spirit of the friendship of nations at the fronts in the Great Patriotic War; based on materials of the South-Western, Voronezh, North Caucasian and Transcaucasian fronts, 1941-1943] Boevoe sodruzhestvo. Deiatel'nost armeiskikh partiinykh organizatsii po vospitaniiu sovetskikh voinov v dukhe druzhby narodov na frontakh Velikoi Otechestvennoi voiny (po materialam IUgo-Zapadnogo, Voronezhskogo, Severo-Kavkazskogo i Zakavkazskogo frontov na 1941-1943 gg.). Baky, Azerbaidzhanskoe gos. izd-vo, 1964. . 214 p.

Party and political work, an important condition of victory in the Great Patriotic War. I. Lipodaev and others. Voen.-ist.zhur. 6 no.4:97-103 Ap '64.

Victory Day. Nov.vrem. 21 no.19:1-3 My '64.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Chechel'nitskii, G.A. [Fighter pilots fought] Srazhalis; letchiki-istrebiteli. Moskva, Voenizdat, 1964. 189 p.

WORLD WAR, 1939-1945—BIOGRAPHY

Chechel'nitskii, G.A. [Fighter pilots fought] Srazhalis; letchiki-istrebiteli. Moskva, Voenizdat, 1964. 189 p.

[Heroes and exploits] Geroi i podvigi. Moskva, Voenizdat.
Book 2. 1964. 365 p.

[On the road of courage] Dorogoi muzhestva. [Leningrad] Lenizdat, 1964. 340 p.

WORLD WAR, 1939-1945—JUVENILE PARTICIPANTS

War records of the Communist Youth League. I.P.Donkov. Vop.ist.KPSS 8 no.4:120-123 Ap '64.

WORLD WAR, 1939-1945—NAVAL OPERATIONS

Gushchin, A.M. [Course laid with fire] Kurs prolozhennyi ognem. Moskva, Voenizdat, 1964. 162 p. (Voennye memuary)

WORLD WAR, 1939-1945—PERIODICALS

Zhukov, S.I., and A.I.Mishuris., comps. [Party and Soviet press in the years of the Great Patriotic War; articles] Partiino-sovetskaia pechat' v gody Velikoi Otechestvennoi voiny; sbornik statei. [Moskva] Izd-vo Mosk.univ., 1964. 112 p.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Krivitskii, A.IU. [I shall never forget; notes of a war correspondent] Ne zabudu vovek; zapiski voennogo korrespondenta. Moskva, Voenizdat, 1964. 438 p.

Semenov, A.F. [Heroes do not die; from a notebook of partisan years] Geroi ne umiraiut; iz zapisnoi knizhki partizanskikh let. [Briansk] Izd-vo"Brianskii rabochii," 1963. 60 p.
(MH)

Shamshiev, Tolen, comp. [Panfilov's men in battles; reminiscences] Panfilovtsy v boiakh; sbornik vospominanii. Frunze, Kirgizskoe gos. izd-vo, 1962. 131 p.
(MH)

WORLD WAR, 1939-1945—POETRY

Reflection of patriotism and friendship of Soviet peoples in lyric poetry; from materials of Buryat poetry written during the Great Patriotic War. I.A.Kim. Sov.lit.i fol'k.Bur. no.2:79-105 '62.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS

Liubovtsev, V.I. [Fighters do not kneel] Boitsy na koleni ne vstaiut. Moskva, Politizdat, 1964. 324 p.

Six destinies. R.Orlova, L.Kopelev. Nov.vrem. 21 no.19:23-26 My '64.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN

Ikonnikov, M.I. [In a stone sack; notes of a former prisoner in the fascist torture-chambers] V kamennom meshke; zapiski byvshego uznika fashistskikh zastenkov. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 70 p.
(CSt-H)

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Liubovtsev, V.I. [Fighters do not kneel] Boitsy na koleni ne vstaiut. Moskva, Politizdat, 1964. 324 p.

WORM-GEAR see Gearing, Worm

WORMS—EMBRYOLOGY see Embryology—Worms

WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Aktyubinsk Province; Alma-Ata Province; Archangel; Azerbaijan; Kazakhstan; Turkmenistan)

Combination of a dysenteric infection with protozoal and helminthic invasions and other accompanying diseases according to materials from Katta-Kurgan. P.M. Lerner and others. Nauch.trudy SamMI 21:36-38 '62.

Dynamics of the helminths of domestic ducks on the Pavlodar State Farm. Kh.I.Egizbaeva. Paraz.sel'khoz. zhiv.Kazakh. 2:100-107 '63.

Effect of some helminths on the properties of Escherichia coli in the human intestine. G.N.Ishchenko, N.I.El'tekova, R.N.Skorobacheva. Nauch.trudy SamMI 21:30-32 '62.

Helminths of domestic waterfowl in southeastern and eastern Kazakhstan. V.T.Belokobylenko. Paraz.sel'khoz.zhiv.Kazakh. 2:86-99 '63.

Supplements to the list of helminths found in swine. V.A.Shol'. Paraz.sel'khoz.zhiv.Kazakh. 2:72-73 '63.

WORMWOOD see subdivision under Caspian Lowland

WORMWOOD—WATER REQUIREMENTS see subdivision under Kazakhstan

WRAPPING MATERIALS

Polymer wrapping materials. P.Montitskii. Sov.torg. 37 no.3:13-16 Mr '64.

WRENCHES

Calibrated socket wrench. V.Buravlev. Shkola i proizv. 8 no.3:85 Mr '64.

WRIST—DISLOCATION

Diagnosis and classification of perilunar dislocations of the carpal bones. A.I.Ashkenazi. Ortop., travm.i protez. 24 no.10:41-47 O '63.

X-RAY ABSORPTION

X-ray absorption analysis of two- and three-component alloys and mixtures. V.N.Karev. Zav.lab. 30 no.5: 548-551 '64.

X-RAY CRYSTALLOGRAPHY

Crystalline structure of phases rich in magnesium in alloys of the systems magnesium-cerium and magnesium-neodymium. N.F.Lashko, G.I.Morozova. Kristallografiia 9 no.2:269-270 Mr-Ap '64.

Crystalline structure of the compound $ScBe_5$. V.S. Protasov, E.I.Gladyshevskii. Kristallografiia 9 no.2:267-268 Mr-Ap '64.

Some structural characteristics of high alloy silicon single crystals. V.G.Fomin and others. Kristallografiia 9 no.2:210-226 Mr-Ap '64.

Strontium beryllide. N.N.Matiushenko, L.F.Verkhorobin, V.N.Karev. Kristallografiia 9 no.2:273-275 Mr-Ap '64.

X-RAY DIFFRACTION EXAMINATION

Changes in the fine crystalline structure of annealed alloyed steel under alternating strain. M.M.Koniuk. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6:149-157 '63.

Crystalline structures of RIn_3 compounds in rare-earth metal - indium systems. IU.B.Kuz'ma, V.IA.Markiv. Kristallografiia 9 no.2:279-280 Mr-Ap '64.

Equipment for the X-ray analysis of radioactive materials. IU.I.Gribanov, A.G.Karmilov, I.A.Lednev. Met.i metalloved.chist.met. no.4:228-242 '63.

Identity period of films of ZnS - CdS solid solutions. N.N.Sirota, V.P.Shimanskaia. Dokl.AN BSSR 8 no.1:24-25 Ja '64.

Large periods in polypropylene fibers. Part 1: Effect of orientation and heat treatment (annealing) on the size of the large periods [with summary in English]. IU.A. Zubov and others. Vysokom.soed. 6 no.3:406-411 Mr '64.

Metallographic and X-ray study of some pseudobinary sections of the system Cd - Zn - Sb. IU.P.Keloglu, A.S.Fedorko. Zhur.fiz.khim. 36 no.11:2544-2547 N '62.

New compounds with a pyrochlore structure. I.N. Beliaev, L.N.Aver'ianova, I.I.Beliaeva. Kristallografiia 9 no.2:280-281 Mr-Ap '64.

Scanning of crystals in the case of anomalous passage of X rays. L.I.Datsenko, M.IA.Skorokhod. Kristallografiia 9 no.2:284-287 Mr-Ap '64.

Small-angle X-ray scattering study of the structure of molecules of native RNA. O.B.Ptitsyn, B.A.Fedorov. TSitologiia 5 no.3:352-353 My-Je '63.

Some aspects of the crystallochemistry of complex perovskites. E.G.Fesenko, V.S.Filip'ev, M.F. Kuprianov. Izv.AN SSSR.Ser.fiz. 28 no.4:669-674 Ap '64.

Structural changes and anomalies of electric properties in phase transitions in Pb_2CoWO_6. V.S.Filip'ev, E.G. Fesenko. Kristallografiia 9 no.2:293-295 Mr-Ap '64.

X-ray diffraction study of high-temperature phase transitions in the system $NaNbO_3$ - $NaTaO_3$. I.G. Ismailzade. Izv.AN SSSR.Ser.fiz. 28 no.4:675-680 Ap '64.

X-ray diffraction study of the kinetics of selenium crystallization. K.P.Mamedov, Z.D.Nurieva. Kristallografiia 9 no.2:271-273 Mr-Ap '64.

X-ray diffraction study of the mechanism of fatigue in alloyed steel surface-hardened by grinding. M.M. Koniuk. Izv.AN Kir.SSR.Ser.est.i tekh.nauk 5 no.6: 119-129 '63.

X-RAY SPECTROSCOPY

Low-inertia silicon detectors of pulsed X radiation. O.A.Matveev, S.M.Ryvkin, D.V.Tarkhin. Atom. energ. 16 no.4:363-365 Ap '64.

Use of a spectrometer with a gold-coated diffraction grating in studying X-ray spectra in the wavelength region over over 15 Å. A.P.Lukirskii, T.M.Zimkina, I.A.Brytov. Opt.i spektr. 16 no.4:688-694 Ap '64.

X-ray K-spectra of titanium emission in lower oxides (Ti - $TiO_{0.48}$). E.E.Vainshtein, V.I.Chirkov. Dokl. AN SSSR 155 no.2:381-384 Mr '64.

X RAYS

Use of gas scintillators in studying short X-ray pulses. V.A.Perepelka. Prib.i tekh.eksp. 9 no.2:116-119 Mr-Ap '64.

X RAYS—DIFFRACTION

Effect of the texture on the shape of X-ray diffraction lines. A.S.Kagan. Zhur.tekh.fiz. 34 no.3:558-561 Mr '64.

X RAYS—EQUIPMENT AND SUPPLIES

Attachment to the URS-501 apparatus for the X-ray examination of specimens with a concave friction surface. IA.Bon-gir, D.I.Stanchev. Zav.lab. 30 no.5:630-631 '64.

Construction of a tunnel for X-ray manometry of bile ducts on the operation table. V.V.Vinogradov and others. Eksper.khir.i anest. 7 no.4:29-31 Jl-Ag '62.

Determination of the "dead time" of an X-ray counter of the URS-501 apparatus. A.V.Kuznetsov. Zav.lab. 30 no.5:629-630 '64.

Thermostatic devices for X-ray cameras. V.T.TSygan and others. Zav.lab. 30 no.5:630 '64.

X-ray camera for photographic recording of small angle scattering. L.V.Tuzov, R.A.Akopian. Zav.lab. 30 no.5:622-623 '64.

X RAYS—INDUSTRIAL APPLICATIONS

Performance of luminescent screen for X-ray examinations. M.A.Il'ina, A.M.Gurvich. Zav.lab. 30 no.5:580-584 '64.

Study of the formation process of anhydrous calcium aluminate sulfate with the aid of the ionizing high-temperature X-ray installation. S.D.Okorokov, B.V.Volkonskii, M.A.Satalkina. Trudy Giprotsement no.26:3-18 '63.

X RAYS—PHYSIOLOGICAL EFFECT

Change in the excitability of the sciatic nerve in frogs under the influence of X rays. Kh.Kh.Irgashev. Nauch trudy SamMI 21:162-165 '62.

Cytochemistry of the blood glycogen in mammals after a single total-body X-ray irradiation [with summary in English]. A.L.Shabadash, IU.B.Kheifets. Arkh.anat., gist.i embr. 43 no.12:29-35 D '62.

Isolation of the influenza virus from the nasopharyngeal washings of patients by means of passages through irradiated embryos. L.A.Mel'nikova. Vop.med.virus. no.5 pt.2:70-71 '58.

Methods of specific prophylaxis of experimental influenza infection with white mice irradiated with X rays. O.P.Peterson, S.V.Lokhova. Vop.med.virus. no.5 pt.2:148-151 '58.

Micronecrotic foci in the spleen of irradiated animals [with summary in English]. V.A.Sondak, M.N.Meisel', V.M.Mantelfel'. Izv.AN SSSR.Ser.biol. no.2:232-239 Mr-Ap '63.

Mortality in rat embryos (F_1) following the irradiation of parental gametes (P) with small doses of X rays at various periods of their ontogeny. E.A.Pozhidaev. Dokl.AN SSSR 156 no.1:194-197 My '64.

Nature of the thermal aftereffect in trypsin solutions irradiated by X rays. V.N.Luzikov, E.B.Burlakova. Dokl.AN SSSR 155 no.5:1205-1208 Ap '64.

X RAYS—SCATTERING

Accuracy in calculating the intensity of roentgen waves scattered in gases and liquids. P.A.Bezirganian. Zhur.tekh.fiz. 34 no.3:562-566 Mr '64.

Analytic representation of the integral characteristics of the distribution of electron density and potential in atoms. V.F.Dvoriankin. Kristallografiia 9 no.2:167-170 Mr-Ap '64.

Anomalous X-ray scattering by microscopic single crystals in alloys. Initial stage of aging of the alloys nickel-beryllium and copper-beryllium. IU.D.Tiapkin, A.V.Gavrilova. Kristallografiia 9 no.2:213-218 Mr-Ap '64.

Change in X-ray scattering intensity in triglycine sulfate near the Curie point. N.N.Sirota, V.M.Varikash, E.A.Ovseichuk. Izv.AN SSSR.Ser.fiz. 28 no.4:666-668 Ap '64.

XANTHENONE

Determination of sulfates in distilled water with salicylfluorone. V.S.IAnysheva, Z.A.Sazonova. Metod.anal khim.reak.i prepar. no.4:133-135 '62.

2,6,7-Trihydroxy-9-(2'-hydroxyphenyl)-3-fluorone-5,3'-bismethyliminodiacetic acid. R.P.Lastovskii, V.V.Sidorenko. Metod.poluch.khim.reak.i prepar. no.6:78-79 '62.

XENOLITHS see subdivision under Dnieper Valley

XENON FLUORIDE

Reactivity of noble gases. New method of preparation of XeF_2. V.M.Khutoretskii, V.A.Shpanskii. Dokl.AN SSSR 155 no.2:379-380 Mr '64.

XENON ISOTOPES

Determination of residual lung volume using radioactive isotopes of xenon [with summary in English]. B.P.Kolesnikov. Med.rad. 8 no.5:59-62 My '63.

XYLENE

Preparation of phthalimide by oxidizing ammonolysis of o-xylene in a fluid catalyst bed. S.D.Mekhtiev and others. Azerb.khim.zhur. no.1:77-80 '64.

Study of azeotropes formed by xylene isomers and styrene with methylcellosolve. IU.N.Garber, R.A.Bovkun. Zhur.prikl.khim. 37 no.4:831-837 Ap '64.

Using xylene fractions of a pyrolytic product of the casinghead gasoline of compartment kilns. M.V.Kobyl'skaia, N.I.Pyshkina, S.S.Semenov. Trudy VNIIT no.11:127-133 '62.

XYLENE CYANOLE

Xylene cyanole FF. G.N.Kosheleva. Metod.poluch.khim.reak.i prepar. no.6:56-59 '62.

XYLENOL ORANGE

Determination of bismuth in cast iron by a photometric or a complexometric method with xylenol orange [with summary in English]. A.A.Amsheeva, D.V.Bezuglyi. Zhur.anal.khim. 19 no.1:97-101 '64.

Spectrophotometric study of a scandium compound with xylenol orange [with summary in English]. O.V.Kon'kova. Zhur.anal.khim. 19 no.1:73-78 '64.

YAKIR, IONA EMANUELOVICH, d. 1937

Dubinskii, I.V. [In spite of the winds; a story] Naperekor vetram; povest'. Moskva, Voenizdat, 1964. 271 p.

YAKUTIA—AUTHORS

Protod'iakonov, V.A., and N.V.Alekseev. [Writers of Yakutia; a short biobibliographical manual] Pisateli IAkutii; kratkii biobibliograficheskii spravochnik. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 165 p. (MH)

YAKUTIA—CONSERVATION OF NATURAL RESOURCES

Commission on conservation of the Yakut Branch of the Academy of Sciences of the U.S.S.R. A.G.Nemchinov. Okhr.prir.Sib.i Dal'.Vost. no.1:237-238 '62.

YAKUTIA—FORESTS AND FORESTRY

Shcherbakov, I.P. [Forest resources of Yakutia and their utilization] Lesnye resursy IAkutii i ikh ispol'zovanie. IAkutsk, IAkutskoe knizhnoe izd-vo, 1962. 34 p.

[DNAL MICROFILM]

YAKUTIA—FROZEN GROUND

Determining the nature and amount of seepage from artificial reservoirs and canals in the presence of permafrost. A.A.Bogushevskii. Dokl.TSKHA no.87:65-72 '63.

YAKUTIA—IRRIGATION CANALS AND FLUMES

Determining the nature and amount of seepage from artificial reservoirs and canals in the presence of permafrost. A.A.Bogushevskii. Dokl.TSKHA no.87:65-72 '63.

YAKUTIA—NEWSPAPERS

Dmitriev, S.K. [Party and Soviet press of Yakutia in the first years of Soviet rule, 1917-1925] Partiino-sovetskaia pechat' IAkutii v pervye gody Sovetskoi vlasti (1917-1925 gg.). IAkutsk, IAkustkoe knizhnoe izd-vo, 1964. 172 p.

YAKUTIA—PERIODICALS

Dmitriev, S.K. [Party and Soviet press of Yakutia in the first years of Soviet rule, 1917-1925] Partiino-sovetskaia pechat' IAkutii v pervye gody Sovetskoi vlasti (1917-1925 gg.). IAkutsk, IAkutskoe knizhnoe izd-vo, 1964. 172 p.

YAKUTIA—PHYTOGEOGRAPHY

Phytogeographical profile across the left-shore area of the Amur River and southern Yakutia. V.B.Kuvaev. Bot.zhur. 49 no.4:511-522 Ap '64.

YAKUTIA—PINE

Habitats of Scotch pine in the north of the Yakut A.S.S.R. O.V.Shakhova. Bot.zhur. 49 no.4:581-585 Ap '64.

YAKUTIA—REVOLUTION, 1917-1921

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [Struggle for the establishment and consolidation of the Soviet regime in Yakutia] Bor'ba za ustanovlenie i uprochenie Sovetskoi vlasti v IAkutii; sbornik dokumentov i materialov. IAkutsk, IAkutskoe knizhnoe izd-vo.

Pt.2. Book. 2. [Collapse of the Pepeliaev venture] Razgrom pepeliaevskoi avantiury. 1962. 391 p.

YAKUTIA—RUSSIANS

Russians in northeastern Siberia in the 17th century. I.S.Gurvich. Trudy Inst.etn. 84:71-91 '63.

YALTA REGION—WAVES

Characteristics of the regime of waves in the Yalta region. V.I.Zats. Sbor.rab.GMO CHAM no.1:77-103 '62.

YAMS—THERAPEUTIC USE

Structure of a water-insoluble saponin from the roots of Dioscorea polystachya Turcz. Report No.10. O.S.Madaeva, V.K.Ryzhkova, V.V.Panina. Med.prom. 17 no.9:9-11 S '63.

YANGIYER DISTRICT—WOMEN IN AGRICULTURE

The soul of a collective. A.Pulatov. Part.zhizn' [Uzb.] 7 no.4:76-77 Ap '64.

YANGIYUL' DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION

They are interested in everything. P.Zhilkin. Part.zhizn' [Uzb.] 7 no.4:82-84 Ap '64.

YAREGA OIL FIELD—BITUMEN

Yarega oil as a crude for obtaining high-quality bitumens. K.V.Kostrin, R.S.Akhmetova. Trudy BashNII NP no.6:139-150 '63.

YARN

Calculating the strength of bulky yarns on the basis of the breakage curves of the yarn and its component fibers. Zh.S.Hryhorian. Leh.prom. no.4:43-50 O-D '63.

Determining the optimum technological parameters of the manufacture of slightly stretching bulk yarn from polyamide and polyester fibers. V.A.Usenko, K.M.Lalykina. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:53-59 '64.

Use of nylon filaments in the manufacture of blended cotton-nylon yarn. O.G.Kohan. Leh.prom. no.4:24-27 O-D '63.

Use of reinforced viscose and nylon staple fibers in a mixture with cotton for the manufacture of high-number yarns for knit goods. P.M.Koniukov, B.E.Efros. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:66-71 '64.

YAROSLAVL—THEATER

Liubomudrov, M.N. [The oldest in Russia; creative path of the Yaroslavl Dramatic Theater] Stareishii v Rossii; tvorcheskii put' IAroslavskogo Dramaticheskogo Teatra. Moskva, Iskusstvo, 1964. 262 p.

YAROSLAVL—TIRES, RUBBER

At the Yaroslavl tire factory.... N.Tyrin. Sov.voin 44 no.22:31-32 N '62.

YAROSLAVL PROVINCE—COMMUNISTS

[Soldiers of the Revolution; sketches on the participants of the revolutionary movement in the Yaroslavl region] Soldaty revoliutsii; ocherki ob uchastnikakh revoliutsionnogo dvizheniia v IAroslavskom krae. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 167 p. (Posviashchaetsia 60-letiiu II s''ezda RSDRP)

YAROSLAVL PROVINCE—REVOLUTION, 1917-1921

[Soldiers of the Revolution; sketches on the participants of the revolutionary movement in the Yaroslavl region] Soldaty revoliutsii; ocherki ob uchastnikakh revoliutsionnogo dvizheniia v IAroslavskom krae. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 167 p. (Posviashchaetsia 60-letiiu II s''ezda RSDRP)

YEAST

Changes in the nucleic acid content of yeasts during the various stages of their growth. S.A.Konovalov, M.IA.IAkusheva. Trudy TSNIISP no.13:10-14 '62.

Changes in yeast cells after deep cooling in water, brewer's wort and glycerol. V.M.Rumiantseva. TSitologiia 5 no.3:328-331 My-Je '63.

Effect of the inhibitors of free-radical processes on irradiated yeast cells. IU.P.Kozlov, A.I.Gorin. Nauch.dokl.vys.shkoly; biol.nauki no.2:61-63 '64.

Effect of the oxidation-reduction potential on saccharomyces and wild-yeastlike fungi. G.P.Byt'eva. Izv.vys.ucheb.zav.; pishch.tekh. no.2:26-30 '64.

Elinov, N.P. [Pathogenic yeastlike organisms] Patogennye drozhzhepodobnye organizmy. Moskva, Meditsina, 1964. 382 p.

Isolation of a pure culture of Pseudomonas pyocyanea and yeasts from infected material. V.M.Podkopaev, E.I.TSvetkov. Lab.delo no.5:306-307 '64.

Propagation of yeast cells and recommendations on the technological design of fermenter batteries. K.O.Danilov. Trudy TSNIISP no.13:28-34 '62.

Some data on the zymase and maltase activity in baker's yeasts. R.S.Bashirova, N.I.Berzina, I.M.Roiter. Trudy KTIPP no.27:20-23 '63.

Study of the action of a new antifungal substance, the methyl ester of 4-keto-5-decynoic acid, on the metabolism of C. albicans and S. cerevisiae. IU.O.Sazykin, G.N.Borisova. Antibiotiki 8 no.8:717-723 Ag '63.

Utilization of the cellular juice of potatoes in the combined production of starch and alcohol. V.L.IArovenko and others. Trudy TSNIISP no.13:3-10 '62.

YEAST—MICROBIOLOGY

Use of biomycin antibiotics as inhibitors of microflora. Strazdina, Tenisone, Beitina. Khleb.i kond.prom. 8 no.3:9-11 Mr '64.

YEAST AS FEED

Cultivation of fodder yeast on the hydrolysates of the polysaccharides of marine algae and aquatic flowering plants. M.S.Dudkin and others. Nauch.dokl.vys.shkoly; biol.nauki no.2:128-132 '64.

YEMEN—MEDICAL ASSISTANCE, RUSSIAN

Galkin, V.A. [Soviet physicians in Yemen] Sovetskie vrachi v Iemene. Moskva, Meditsina, 1964. 36 p.

YENISEY RIVER—DESCRIPTION AND TRAVEL

At the sources of the Yenisey River. B.N.Likhanov. Priroda 53 no.5:78-83 '64.

YENISEY VALLEY—ANTIQUITIES

The late nomads' graves near Mt. Sukhanikha in the Yenisey Valley. A. A. Gavrilova. Sov. arkheol. 8 no. 2:164-170 '64.

YENISEY VALLEY—DESCRIPTION AND TRAVEL

Krasnoyarsk (Kray). Turistsko-ekskursionnoe upravlenie Kraisovprofa. [Along the Yenisey to Dikson] Po Eniseiu na Dikson. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1962. 14 p.

[MICROFILM]

YENISEY VALLEY—PALEONTOLOGY, STRATIGRAPHIC

Materials on the paleontological characteristics of a key section of Quaternary sediments in the Yenisey Valley of Siberia. V. A. Zubakov, V. V. Zauer. Trudy VSEGEI 90:97-110 '63.

YEREVAN see Erivan

YERMAK (VIRGIN TERRITORY)—CONSTRUCTION INDUSTRY—FINANCE

In a mixed brigade operating on a business accounting basis. E. Pilipetchik. Nar. khoz. Kazakh. 22 no. 4: 35 Ap '64.

YERSHOV (SARATOV PROVINCE)—BAKERIES

Yershov bakers have reduced the losses to zero. Khleb. i kond. prom. 8 no. 3:30 Mr '64.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH

Experiment with a case study on the attitude to work. A. G. Zdravomyslov, V. A. IAdov. Vop. filos. 18 no. 4: 72-84 '64.

YOUTH—EMPLOYMENT

New standard regulations. Sov. profsoiuzy 20 no. 7:45 Ap '64.

YTTRIUM COMPOUNDS

Anisotropy of the resonance curve width in yttrium garnet with rare-earth impurities. A. G. Gurevich and others. Izv. AN SSSR. Ser. fiz. 28 no. 3:462-469 Mr '64.

New crystalline modification of yttrium orthosilicate having a garnet structure. N. A. Toropov, I. A. Bondar', M. M. Piriutko. Dokl. AN SSSR 156 no. 3:619-621 '64.

YTTRIUM CRYSTALS—MAGNETIC PROPERTIES

Magnetic properties of certain d- and f- metals (single crystals and polycrystals). V. I. Chechernikov, IUliu Pop. Izv. AN SSSR. Ser. fiz. 28 no. 4:748-750 Ap '64.

YUGOSLAVIA—AGRICULTURAL POLICY

The agro-industrial combine practice. L. Tiagunenko. Mir. ekon. i mezhdunar. otn. no. 4:108-111 '64.

YUGOSLAVIA—ECONOMIC POLICY

Economic stimulation in the national economy of socialist Yugoslavia. IU. IUr'ev. Plan. khoz. 41 no. 5:82-89 My '64.

YUGOSLAVIA—RETAIL TRADE

Notes on trade in Yugoslavia. A. Kozlov. Sov. torg. 37 no. 4:37-41 Ap '64.

YUR'YEV-POL'SKIY—CATHEDRALS

Several relief forms of St. George Cathedral in Yur'yev-Pol'skiy. G. K. Vagner. Sov. arkheol. 8 no. 2:55-62 '64.

YURYUZAN-SYLVA DEPRESSION—KARST

Clastokarst of the Yuryuzan'-Sylva Depression. L. A. Shimanovskii. Izv. AN SSSR. Ser. geog. no. 2:110-115 Mr-Ap '64.

YUSUPOVO OIL FIELD—PETROLEUM—ANALYSIS

Oil of the Yusupovo field. E. G. Ivchenko, G. V. Sevast'ianova, L. Z. Garipova. Trudy BashNII NP no. 6:69-67 '63.

ZAGLADA, NADEZHDA GRIGOR'EVNA, 1893-

Distinguished team leader on a visit to tankmen. V. Goshko. Sov. voin 44 no. 22:32 N '62.

ZAIKIN, IVAN MIKHAILOVICH, 1880-1949

Gordin, R. R. [Stories about Zaikin] Rasskazy o Zaikine. Kishinev, Kartia Moldoveniaske, 1964. 254 p.

ZAKHAROV, PETR ZAKHAROVICH, 1816-1852

Shaban'iants, N. Sh. [Life and work of painter P. Z. Zakharov] Zhizn' i tvorchestvo khudozhnika P. Z. Zakharova. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1963. 79 p. 30 plates.
(NIC)

ZALKA, MATE, 1896-1937

Rossiianov, O. K. [Mate Zalka; a critical and biographical sketch] Mate Zalka; kritiko-biograficheskii ocherk. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 256 p.

ZANADVOROV, VLADISLAV, 1914-

Gints, S. M. [The poet Vladislav Zanadvorov] Poet Vladislav Zanadvorov. [Perm'] Permskoe knizhnoe izd-vo, 1963. 71 p. (Zamechatel'nye liudi Prikam'ia)

ZAPADNAYA (TULA PROVINCE)—ANTIQUITIES

The eighth-tenth century burial mound near the village of Zapadnaya. S. A. Iziumova. Sov. arkheol. 8 no. 2: 151-163 '64.

ZAPOROZH'YE—FIREMEN

Always together. A. Shvachko. Pozh. delo no. 4:28 Ap '64.

ZAPOROZH'YE PROVINCE—HEMIPTERA

Fauna of Hemiptera in southern Zaporozh'ye Province. K. M. Ageeva. Nauch. dokl. vys. shkoly; biol. nauki no. 2: 24-28 '64.

ZAPOROZH'YE PROVINCE—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

The Zaporozh'ye Construction Trust in the effort for good work indices. N. Udovichenko. Ekon. stroi. no. 3:31-35 Mr '64.

ZAPOROZH'YE PROVINCE—MILKING MACHINES

The "KDU-5" on the "Peremozhets' " State Farm. H. Rubanov, B. Knurenko. Sil'. bud. 13 no. 4:5-7 Ap '63.

ZAPOROZH'YE PROVINCE—NAMES, GEOGRAPHICAL—TURKIC

Turkic elements in the toponymy of Zaporozh'ye Province. V. G. Fomenko. Izv. Vses. geog. ob-va 96 no. 1:70-73 Ja-F '64.

ZELIGOWSKI, EDVARD JULIAN, 1816-1864

Literary collaboration of revolutionary democrats. A. I. Mal'dis, E. M. Martynova. Rad. lit. 8 no. 2:100-108 Mr-Ap '64.

ZELWEROWICZ, ALEKSANDR, 1877-1955

Zelwerowicz, Aleksander. [Story of an old actor. Translated from the Polish] Rasskaz starogo komedianta. Leningrad, Iskusstvo, 1964. 222 p. (Teatral'nye memuary)

ZEOLITES

Developing the technology of the plant process for obtaining molecular sieves. IA. V. Mirskii and others. Trudy GrozNII no. 15:165-174 '63.

Selecting the best arrangement for separating gasoline fractions in molecular sieves. M. G. Mitrofanov and others. Trudy GrozNII no. 15:84-92 '63.

Selectivity of cation exchange on a NaA-type molecular sieve [with summary in English]. N. F. Ermolenko, L. P. Shirinskaia. Zhur. fiz. khim. 36 no. 11:2432-2435 N '62.

Using molecular sieves to increase the octane number of gasolines. M. B. Vol'f, R. B. Alekseeva, L. G. Prokopiuk. Trudy BashNII NP no. 6:79-94 '63.

ZERAVSHAN VALLEY—ANTIQUITIES

Activities of the Makhandarya Archaeological Section in 1963. IA. G. GulIamov. Obshchestv. nauki v Uz. 8 no. 1:65 '64.

ZERAVSHAN VALLEY—IRRIGATION

Activities of the Makhandarya Archaeological Section in 1963. IA. G. Gulamov. Obshchestv. nauki v Uz. 8 no. 1:65 '64.

ZEYA-BUREYA PLAIN—GAS, NATURAL—GEOLOGY

New data on the geological structure of the Zeya-Bureya trough and the further development of prospecting for oil and gas. A. P. Zheleznova. Neftegaz. geol. i geofiz. no. 3:33-38 '64.

ZEYA-BUREYA PLAIN—MINERALOGY

Mineralogical correlation of loose Mesozoic and Cenozoic sediments in the Amur-Zeya Depression [with summary in English]. B. G. Benus. Vest. LGU 19 no. 6:71-82 '64.

ZEYA-BUREYA PLAIN—PETROLEUM GEOLOGY

New data on the geological structure of the Zeya-Bureya trough and the further development of prospecting for oil and gas. A. P. Zheleznova. Neftegaz. geol. i geofiz. no. 3:33-38 '64.

ZHABINKA (BREST PROVINCE)—SUGAR FACTORIES—DESIGN AND CONSTRUCTION

A construction project of friendship. N. Podzorova. Vnesh. torg. 44 no. 4:59 '64.

ZHDANOV—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Construction of metallurgical plants for continuous operation. P. I. Kishchik. Biul. stroi. tekh. 20 no. 11: 46-48 N '63.

ZHITOMIR PROVINCE—FERTILIZERS AND MANURES

Produce more peat-mineral-ammonia fertilizers. P. O. Nechyporenko. Mekh. sil'. hosp. 13 no. 10:11-13 O '62.

ZHUKOVSKII, GERMAN

Our jubilarians: G. L. Zhukovskii, A. A. Stepanov, N. I. Satz. Sov. muz. 27 no. 11:146 N '63.

ZINC

Protective zinc priming. L. V. Nitsberg, L. A. Bobina. Lakokras. mat. i ikh prim. no. 1:18-25 '64.

ZINC—ANALYSIS

Atomic-absorption method for determining zinc in metals and alloys [with summary in English]. G. I. Nikolaev. Zhur. anal. khim. 19 no. 1:63-68 '64.

Determination of gallium in metallic zinc by rhodamine C. G. I. Kuchmistaia. Metod. anal. khim. reak. i prepar. no. 4:79-81 '62.

Determination of zinc in acids and potassium-sodium tartrate with 8-(p-toluenesulfonylamino)-quinoline. E. A. Bozhevol'nov, G. V. Serebriakova. Metod. anal. khim. reak. i prepar. no. 4:120-125 '62.

Determination of zinc in iron minerals with 8-(p-toluenesulfonylamino)-quinoline. D. P. Shcherbov, V. V. Kolmogorova. Metod. anal. khim. reak. i prepar. no. 4:125-128 '62.

ZINC—CORROSION

Electrochemical mechanism of metal corrosion under the effect of alternating current. Part 3 [with summary in English]. IU. N. Mikhailovskii. Zhur. fiz. khim. 37 no. 3:553-558 Mr '63.

ZINC—ELECTROMETALLURGY

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Investigating and introducing the electrothermic method of producing zinc] Issledovanie i vnedrenie elektrotermicheskogo sposoba polucheniia tsinka. Moskva, 1963. 80 p.

[MICROFILM]

ZINC—TOXICOLOGY

Effect of chronic poisoning with zinc compounds on the amino groups of tissue proteins. A. E. Klimentovskaia, A. P. Kozlova, V. V. TSelikina. Nauch. trudy Riaz. med. inst. 15:35-38 '62.

Effect of cysteine and ascorbic acid on the content of sulfhydryl groups in proteins and on the excretion of zinc in chronic poisoning with zinc compounds. A. E. Klimentovskaia. Nauch. trudy Riaz. med. inst. 15:29-35 '62.

Effect of cysteine and ascorbic acid on the course of chronic zinc intoxication. A. E. Klimentovskaia. Nauch. trudy Riaz. med. inst. 15:26-29 '62.

ZINC ALLOYS—ANALYSIS

Atomic-absorption method for determining zinc in metals and alloys [with summary in English]. G. I. Nikolaev. Zhur. anal. khim. 19 no. 1:63-68 '64.

ZINC-ANTIMONY-CADMIUM ALLOYS see Cadmium-zinc-antimony alloys

ZINC ORES

(see also subdivision under Klichka region, Transbaikalia; Ossetia, North)

Improving the quality of a zinc concentrate by the removal of copper and iron. L. B. Debrivnaia. Trudy Mekhanobr no. 131:147-161 '62.

ZINC ORES—ANALYSIS

Studying the material composition of oxidized and mixed lead and zinc ores. A. A. Abramov. Trudy Mekhanobr no. 131:237-247 '62.

ZINC ORGANIC COMPOUNDS

Preparation of R_2Zn-type organozinc compounds in the aromatic, heterocyclic, and aliphatic-aromatic series by means of the Grignard reagent. N. I. Sheverdina and others. Dokl. AN SSSR 155 no. 3:623-625 Mr '64.

ZINC OXIDE

Improving the technology of the production of zinc white from metallic zinc in rotating kilns. M. I. Larin, I. N. Nikiforov. Lakokras. mat. i ikh prim. no. 1:64-71 '64.

Preparation of thin films of zinc oxide. IA. S. Savitskaia, L. A. Riabova. Zhur. prikl. khim. 37 no. 4:796-800 Ap '64.

Studying the dispersion of zinc white. G. M. Baranovskaia. Lakokras. mat. i ikh prim. no. 1:82-85 '64.

ZINC OXIDE—OPTICAL PROPERTIES

Optical sensitization of the photo effect of zinc oxide and the adsorption isotherms of dyes [with summary in English]. N. N. Markevich, E. K. Putseiko. Zhur. fiz. khim. 36 no. 11:2393-2399 N '62.

ZINC PLATING

Mechanized assembly line for zinc plating hardware. V. I. Zharikov. Mont. i spets. rab. v stroi. 26 no. 4:23-25 Ap '64.

Using ammonium chloride electrolyte in zinc plating of configurated parts in stationary baths. L. A. Novikova, E. A. Leibman. Mashinostroenie no. 2:65-66 Mr-Ap '64.

ZINC SELENITE CRYSTALS

Crystalline structure of $ZnSeO_3 \cdot 2H_2O$. V.F.Gladkova, IU.D.Kondrashev. Kristallografiia 9 no.2:190-196 Mr-Ap '64.

ZINC SULFATE—THERAPEUTIC USE

Treatment of yeast paronychias and onychias with zinc sulfate electrophoresis. S.N.Potapova. Nauch.trudy GIDUV no.12:66-109 '57.

ZINC SULFIDE CRYSTALS—SPECTRA

Diffuse reflection spectra of zinc sulfide powders of various crystalline modifications. K.V.Shalimova, N.K.Morozova. Opt.i spektr. 16 no.4:659-662 Ap '64.

ZIRCONIUM

Effect of lanthanum and zirconium on the alkali resistance of silicate glasses. V.S.Molchanov, T.M.Makarova. Zhur.prikl.khim. 37 no.4:886-887 Ap '64.

Mechanism of zirconium dissolution in acid fluoride solutions. V.A.Gil'man, IA.M.Kolotyrkin. Dokl.AN SSSR 155 no.5:1155-1158 Ap '64.

Using *Arsenazo* III indicator in determining zirconium content in nonstandard bronzes and alloys based on copper. I.D.Pisarenko, I.A.Bondarenko. Mashinostroenie no.2:77-80 Mr-Ap '64.

ZIRCONIUM—ANALYSIS

Determination of zirconium in titanium and iron-containing ores with quercetin. I.P.Alimarin, A.P.Golovina, I.A.Teniakova. Metod.anal.khim.reak.i prepar. no.4:128-130 '62.

ZIRCONIUM—COLD WORKING

Internal friction and the elasticity modulus of cold-worked zirconium. A.I.Dashkovskii, A.N.Semenikhin, P.L. Gruzin. Met.i metalloved.chist.met. no.4:41-46 '63.

ZIRCONIUM—CORROSION

Effect of hydrogen and nitrogen on the corrosion resistance of zirconium in water and steam. V.S.Emel'ianov, N.V.Barkov. Met.i metalloved.chist.met. no.4:18-33 '63.

ZIRCONIUM—ELECTROMETALLURGY

Investigating a fluoride-chloride electrolyte as a zirconium bath. A.I.Evstiukhin, K.V.Orlov. Met.i metalloved. chist.met. no.4:11-17 '63.

ZIRCONIUM—METALLOGRAPHY

Value of zirconium self-diffusion parameters. G.B. Fedorov. Met.i metalloved.chist.met. no.4:34-40 '63.

ZIRCONIUM—METALLURGY

Iodide method of refining zirconium. V.S.Emel'ianov, A.I.Evstiukhin, D.D.Abanin. Met.i metalloved.chist. met. no.4:5-10 '63.

ZIRCONIUM-NIOBIUM ALLOYS—CORROSION

Formation of scale with a structure of $6ZrO_2 \cdot Nb_2O_5$ on zirconium-niobium alloys. IU.F.Bychkov, V.A.Ivanov, A.N.Rozanov. Met.i metalloved.chist.met. no.4: 47-57 '63.

ZIRCONIUM OXIDES

Characteristics of the kinetics of polymorphic transformation of zirconium dioxide on cooling. B.IA.Sukharevskii, B.G.Alapin, A.M.Gavrish. Dokl.AN SSSR 156 no.3:677-680 '64.

Some properties of higher purity zirconium dioxide. G.P.Kalliga, L.A.Liutsareva. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.1:106-110 '64.

ZIRCONIUM-TITANIUM ALLOYS see Titanium-zirconium alloys

ZOLOCHEV DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Chemistry and land fertility. I.Horodylovs'kyi. Ekon. Rad.Ukr. no.2:95 Mr-Ap '64.

ZONE MELTING

Investigating the distribution of impurities in niobium following zonal recrystallization. A.I.Evstiukhin, V.V.Nikishanov, I.V.Milov. Met.i metalloved.chist. met. no.4:69-83 '63.

Mechanical properties of beryllium following zonal recrystallization. I.V.Milov, D.M.Skorov, V.V.Nikishanov. Met.i metalloved.chist.met. no.4:175-181 '63.

ZOOGEOGRAPHY see subdivision under Kamchatka; Turan Lowland

ZOOGEOGRAPHY—CONGRESSES

Third All-Union Conference on Land Zoogeography. A.N.Formozov. Izv.AN SSSR.Ser.geog. no.2:171-172 Mr-Ap '64.

Third All-Union Conference on the Zoogeography of I L.S.Marinina, IU.K.Gorelov. Izv.AN Turk.SSR.S biol.nauk no.6:91-92 '63.

ZOOLOGICAL MUSEUMS see subdivision under Tom

ZOONOSES

Animal toxoplasmosis as a source of human infection. I.G.Galuzo. Zdrav.Kazakh. 23 no.4:65-67 '63

ZOOPLANKTON see subdivision under Black Sea; Caspian Sea

ZYMASE

Some data on the zymase and maltase activity [illegible] yeasts. R.S.Bashirova, N.I.Berzina, I.M.[illegible] Trudy KTIPP no.27:20-23 '63.

ZYRYA OIL FIELD—PETROLEUM GEOLOGY

Electric logging characteristics of the Kata series in Zyrya field in connection with their oil and gas [illegible] V.F.Kireev, V.M.Makhmudova. Izv.vys.ucheb.zav.; neft' i gaz 5 no.9:17-22 '62.

ZYRYANOVSK DISTRICT—MINING INDUSTRY—EQUIPMENT AND SUPPLIES

Give good machines. G.Afanas'ev. Nar.khoz.Kazakh. 22 no.4:75 Ap '64.

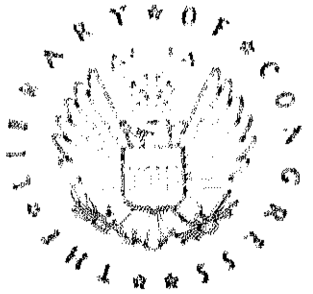
ZYRYANOVSK REGION (ALTAI MOUNTAINS)—METALS RARE AND MINOR

Primary zoning of the mineralization and the distribution of rare elements in the complex metal deposits of the Zyryanovsk ore region (Rudnyy Altai). V.D. Baranov. Trudy IMGRE no.10:230-247 '63.

ZYRYANOVSK REGION (ALTAI MOUNTAINS)—ORE DEPOSITS

Primary zoning of the mineralization and the distribution of rare elements in the complex metal deposits of the Zyryanovsk ore region (Rudnyy Altai). V.D. Baranov. Trudy IMGRE no.10:230-247 '63.

Monthly Index of Russian Accessions



Volume 17, No. 6

September 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, $14.00 a year domestic, $5.00 a year additional for foreign mailing.

L. C. card, 48-46562

---

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzTeS	Arizona State College, Tempe
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt-H	— The Hoover Institution on War, Revolution, and Peace
CSt-L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU-A	— University of California, Davis
CU-B	— Bancroft Library, Berkeley
CU-E	— East Asiatic Library, Berkeley
CU-M	— Medical Center, San Francisco
CU-Riv	— College of Arts, Letters and Science, Riverside
CU-S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaNBFU	University of New Brunswick, Fredericton, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOCC	Carleton College, Ottawa, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY-L	— Law Library
CtY-M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI-GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN-HO	— Naval Oceanographic Office Library
DN-Ob	— Naval Observatory Library
DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI-AO	— Astrophysical Laboratory Library
DSI-E	— Bureau of American Ethnology Library
DSI-M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
HU	University of Hawaii, Honolulu
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicago
ICF	Chicago Natural History Museum, Chicago
ICJ	John Crerar Library, Chicago
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago

ICU-Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN-M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana
IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IaU-L	—College of Law Library
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MShM	Mount Holyoke College, South Hadley, Mass.
MWalB	Brandeis University, Waltham, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBJ-W	—William H. Welch Medical Library
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-A	— Department of Agriculture Library, St. Paul
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NAurW	Wells College, Aurora, New York
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York

NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln
NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NcU-H	—Division of Health Affairs. (North Carolina Memorial Hospital)
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjPT	Princeton Theological Seminary, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
UPB	Brigham Young University, Provo, Utah
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown
WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 17, NO. 6 SEPTEMBER 1964

TABLE OF CONTENTS

Part A—Monographic Works

Page
1. General 2051
2. Bibliography 2051
3. Philosophy & Religion 2051
4. History 2052
5. Social Sciences 2054
6. Political Science 2057
7. Law 2058
8. Education 2059
9. Music, Theater & Motion Pictures 2060
10. Fine Arts 2061
11. Language, Literature & Folklore 2062
12. Geography & Geology 2066
13. Science 2068
14. Medicine 2070
15. Agriculture 2072
16. Technology 2074
17. Military & Naval Sciences 2083

Part B—Periodicals

1. General

a. Scholarly journals 2084
b. Popular magazines 2086

2. Bibliography

a. Bibliography 2087
b. Libraries & library science 2088
c. Printing & the book trade 2088

3. Philosophy & Religion

a. Philosophy 2088
b. Religion 2089

4. History

a. General 2089
b. Archaeology & antiquities 2092

5. Social Sciences

a. Commerce 2092
b. Economics 2093
c. Finance 2094
d. Labor 2094
e. Sociology 2096
6. Political Science 2096
7. Law 2099

8. Education

a. General 2101
b. Physical education & games 2102

Page

9. Music, Theater & Motion Pictures

a. Motion pictures 2103
b. Music 2103
c. Theater 2103

10. Fine Arts

a. General 2103
b. Architecture 2104

11. Language, Literature & Folklore

a. Language 2104
b. Literature & folklore 2105

12. Geography & Geology

a. Ethnology 2107
b. Geography 2108
c. Geology & paleontology 2110

13. Science

a. General 2112
b. Astronomy 2116
c. Biology 2116
d. Chemistry 2123
e. Mathematics 2129
f. Physics 2131

14. Medicine

a. General 2136
b. Gynecology, obstetrics & pediatrics 2141
c. Neurology & psychiatry 2141
d. Ophthalmology & otorhinolaryngology 2142
e. Pathology & therapeutics 2142
f. Pharmacy & materia medica 2144
g. Public health & nursing 2145
h. Surgery & dentistry 2150
i. Venereology & dermatology 2151

15. Agriculture

a. General 2152
b. Animal industry 2156
c. Forestry 2160
d. Plant culture 2161

16. Technology

a. General 2162
b. Aeronautics 2168
c. Chemical technology 2168
d. Civil & construction engineering 2171
e. Electrical engineering 2174
f. Industries & trades 2178
g. Mechanical engineering 2180
h. Mining & metallurgy 2185

17. Military & Naval Sciences

a. Military science 2192
b. Naval science 2193

Part C—List of Periodicals Indexed and Abbreviations Used 2195
Subject Index to Monographs and Periodicals 2202

Periodicals Available in English Translation Cover-to-Cover.

PART A—MONOGRAPHIC WORKS

1. GENERAL

AKADEMIIA NAUK MOLDAVSKOI SSR. [Reports of the First Scientific Session of the Academy of Sciences of the Moldavian S. S. R.] Pervaia nauchnaia sessiia; [doklady]. Kishinev, Shtiintsa, 1962. 366 p.
(MH)

KNIAZEV, G. A., and A. V. KOL'TSOV. [Brief outline of the history of the Academy of Sciences of the U.S.S.R.] Kratkii ocherk istorii Akademii nauk SSSR. Izd. 3., dop. Moskva, Izd-vo "Nauka," 1964. 224 p.

2. BIBLIOGRAPHY

BALANDIN, M. V. [Bookbinding] Broshiurovochno-pereplетnoe proizvodstvo. Moskva, "Iskusstvo," 1963. 382 p.

BASIAS, L. IA. [Medical library and its goals] Meditsinskaia biblioteka i ee zadachi. Moskva, Izd-vo "Meditsina," 1964. 95 p.

BOLOTIN, I. S. [Heat processes in printing] Poligraficheskaia teplotekhnika. Moskva, Mosk. poligraficheskii in-t.
Book 2. [Principles of the drying process in printing] Osnovy protsessa sushki v poligrafii. 1960. 109 p.
[MICROFILM]

FRUMIN, I. M. [Annual report of a library for the masses; lectures for students of a correspondence course on library science] Godovoi otchet massovoi biblioteki; lektsii dlia studentov zaochnogo otdeleniia po kursu "Bibliotekovedenie." Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit-ry, 1956. 33 p.
(NNC)

GORIN, M. A. [Study of the book trade in sociopolitical literature; a textbook] Tovarovedenie obshchestvenno-politicheskoi literatury; uchebnoe posobie. Moskva, Sovetskaia Rossiia, 1964. 230 p.

GOSUDARSTVENNAIA KNIZHNAIA PALATA ARMIANSKOI SSR. [Books and periodicals in the Armenian S. S. R. in the last 40 years; statistical materials. Kniga i periodicheskaia pechat' v Armianskoi SSR za 40 let; statisticheskie materialy. Erevan, 1960] 76 p. [In Armenian]

KOLMAKOV, P. K. [Statistical and bibliographic source materials relating to the history of printing in the Scandinavian countries] Statisticheskie i bibliograficheskie istochniki po istorii pechati skandinavskikh stran. Pod red. IU. K. Madissona. Tartu, Tartuskii gos. univ., 1963. 198 p. (Skandinavskii sbornik, prilozhenie 2)

NEMIROVSKII, E. L. [The origin of printing in Moscow. Ivan Fedorov] Vozniknovenie knigopechataniia v Moskve. Ivan Fedorov. Moskva, Izd-vo "Kniga," 1964. 402 p.

SMIRNOVA, B. A. [Activities of the Lenin State Library of the U. S. S. R. in the field of recommending bibliography] Deiatel'nost' Gosudarstvennoi biblioteki SSSR imeni V. I. Lenina v oblasti rekomendatel'noi bibliografii. Moskva, Izd-vo "Kniga," 1964. 236 p.

TALLINN. FRIEDRICH REINHOLD KREUTZWALDI NIMELINE EESTI NSV RIIKLIK RAAMATUKOGU. [Library science in Soviet Estonia; collection of articles] Noukogude Eesti raamatukogundus; artiklite kogumik. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 2. Rass, L., comp. 1964. 282 p.

[TWENTY LATVIAN BOOKPLATES] 20 (Divdesmit) latviesu gramatzimes. Riga, Latvijas Valsts izd-ba, 1963. 6 p. plates (in folder) [In 5 languages]

[UNION CATALOG OF 18TH-CENTURY RUSSIAN BOOKS OF THE CIVIL PRESS, 1725-1800] Svodnyi katalog russkoi knigi grazhdanskoi pechati XVIII veka, 1725-1800. Moskva, Izd. Gos. biblioteki SSSR im. V. I. Lenina.
Vol. 2. K - P. 1964. 514 p.

VSESOIUZNAIA KNIZHNAIA PALATA. [Soviet printing on the occasion of the 400th anniversary of Russian printing; statistical data] Sovetskaia pechat' k 400-letiiu russkogo knigopechataniia; statisticheskie materialy. Moskva, Izd-vo "Kniga," 1964. 43 p.

ZERNOVA, A. S. [Ornamentation of books in Cyrillic characters from Moscow presses, 1677-1750; an atlas. In commemoration of the 400th anniversary of Russian printing] Ornamentika knig moskovskoi pechati kirillovskogo shrifta, 1677-1750; atlas. K 400-letiiu russkogo knigopechataniia. Moskva, Gos. biblioteka SSSR, im. V. I. Lenina. Otdel redkikh knig, 1963. 165 p. illus.

3. PHILOSOPHY & RELIGION

[THE AESTHETIC; a collection of articles] Esteticheskoe; sbornik statei. Moskva, Iskusstvo, 1964. 347 p.

AFANAS'EV, V. G. [Problem of wholeness in philosophy and biology] Problema tselostnosti v filosofii i biologii. Moskva, Izd-vo "Mysl'," 1964. 415 p.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut filosofii. [Certain categories of dialectical materialism] Nekotorye kategorii dialekticheskogo materializma. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 242 p. [In Georgian]

AKADEMIIA NAUK SSSR. Institut filosofii. [A brief dictionary of scientific atheism] Kratkii nauchno-ateisticheskii slovar'. Moskva, Izd-vo "Nauka," 1964. 641 p.

ALEKSEEV, P. V. [V. I. Lenin on the union of philosophy and natural science] V. I. Lenin o soiuze filosofii i estestvoznaniia. Moskva, Izd-vo "Znanie," 1964. 40 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 9)

[ATHEISTIC EDUCATION IN SCHOOL] Ateistlikust kasvatusest koolis. Tallinn, Eesti Riiklik Kirjastus, 1963. 62 p. [In Estonian]

AVERCHENKO, A. T. [Occult sciences] Okkul'tnye nauki. Moskva, Politizdat, 1964. 46 p. (Khudozhestvennaia ateisticheskaia biblioteka)

BANDZELADZE, G. [Tentative interpretation of the system of Marxist ethics] Opyt izlozheniia sistemy marksistskoi etiki. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 474 p.

BARTNINKAS, MINDAUGAS. [Free thought in Lithuania in 1924-1941] Laisvamanybe Lietuvoje (1924-1941). Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 50 p. (Lietuvos TSR "Zinijos" draugija) [In Lithuanian]

BASENKO, K. IA. [God's biography] Bozh'ia biografiia. Moskva, Politizdat, 1964. 54 p. (Khudozhestvennaia ateisticheskaia biblioteka)

[BEHIND THE WALLS OF A THEOLOGICAL SEMINARY] Za stenami dukhovnoi seminarii. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 58 p.

BETAKI, D. M. [Indissoluble union of Marxist philosophy and natural science; a textbook for the course of Marxist-Leninist philosophy] Nerushimyi soiuz marksistskoi filosofii i estestvoznaniia; uchebnoe posobie po kursu marksistkso-leninskoi filosofii. Leningrad, Leningr. elektrotekhn. in-t sviazi im. M. A. Bonch-Bruevicha, 1963. 76 p.

BEZCHEREVNYKH, E. V. [From thought to action; a philosophical essay] Ot mysli k deistviiu; filosofskii ocherk. Moskva, Politizdat, 1964. 70 p.

BRODSKII, I. N. [Elementary introduction to symbolic logic; textbook for students of the correspondence section of the Philosophy Faculty, the "Symbolic Logic" section from a course in formal logic] Elementarnoe vvedenie v simvolicheskuiu logiku; posobie dlia studentov zaochnogo otdeleniia filosofskogo fakul'teta po razdelu "Simvolicheskaia logika" iz kursa formal'noi logiki. [Leningrad] Izd-vo Leningr. univ., 1964. 61 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov)

DERKEVICS, Z. [Baptists adapt themselves] Baptisti piemerojas. Riga, Latvijas Valsts izd-ba, 1963. 175 p. [In Latvian]

[HOLY TRINITY ORTHODOX RUSSIAN CALENDAR FOR 1964] Troitskii Pravoslavnyi Russkii Kalendar' na 1964 god. Jordanville, N. Y., Holy Trinity Monastery, 1963. 178 p.

IAKOVLEV, M. V. [Marxism and contemporary bourgeois philosophy; criticism of the falsification of the history of philosophy in the West German literature] Marksizm i sovremennaia burzhuaznaia istoriia filosofii; kritika fal'sifikatsii istorii filosofii v zapadnogermanskoi filosofskoi literature. Moskva, "Mysl'," 1964. 349 p.

KIEV. NAUKOVO-DOSLIDNYI INSTYTUT PSYKHOLOGII. [Psychology; textbook for pedagogical schools] Psykhologiia; pidruchnyk dlia pedagogichnykh uchylyshch. Za red. P. R. Chamaty. Vyd. 3., dop. Kyiv, Radians'ka shkola, 1964. 290 p.

KUZ'MIN, V. F. [Philosophical category of consciousness and present-day science] Filosofskaia kategoriia soznaniia i sovremennaia nauka. [n. p.] Vysshaia shkola, 1964. 128 p.

LAVRECKIS, JOSIF. [Do the cardinals go to hell] Ar kardinolai eina i pragara? Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 271 p. [In Lithuanian]

LUKOV, G. D., and K. K. PLATONOV. [Psychology] Psikhologiia. Moskva, Voenizdat, 1964. 343 p.

MAL'TSEV, V. I. [Essay on dialectical logic] Ocherk po dialekticheskoi logike. [Moskva] Izd-vo Mosk. univ., 1964. 157 p.

MARKONIS, STASIS. [The great illusion] Didzioji iliuzija. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 118 p. [In Lithuanian]

[OLD BELIEVERS' CHURCH CALENDAR FOR 1964] Staroobriadcheskii tserkovnyi calendar' na 1964 god. [Moskva] Staroobriadcheskaia Arkhiepiskopiia Moskovskaia i vseia Rusi [n.d.] 59 p.

OSIPOV, A. A. [The "Gospel" from... a Jesuit; reflections of a former theologian on the book "Solution of the problems of life" by the priest F. Lelotte] "Evangelie" ot... iezuita; razmyshleniia byvshego bogoslova o knige ieromonakha F. Lelotta "Reshenie problemy zhizni." [Leningrad] Lenizdat, 1964. 277 p.

PUGACH, G. V. [To think correctly means to think logically] Myslit' pravil'no - znachit myslit' logichno. [Perm'] Permskoe knizhnoe izd-vo, 1963. 49 p. (Besedy o nashem mirovozzrenii)

REZNIKOV, L. O. [Gnoseological problems of semiotics] Gnoseologicheskie voprosy semiotiki. [Leningrad] Izd-vo Leningr. univ., 1964. 302 p.

RUTKEVICH, M. N., and L. M. ARKHANGEL'SKII, eds. [Certain categories of dialectic] Nekotorye kategorii dialektiki. [Petrozavodsk] Rosvuzizdat, 1963. 132 p.

SKATERSHCHIKOV, V. K. [Aesthetic culture of the Soviet man] Esteticheskaia kul'tura sovetskogo cheloveka. Moskva, Sovetskaia Rossiia, 1964. 70 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku, no. 7)

SOKOLOV, V. V. [Spinoza's philosophy and our age] Filosofiia Spinozy i sovremennost'. [Moskva] Izd-vo MGU, 1964. 449 p.

STEINBERGS, V. [J. Jansons-Brauns' philosophical views] J. Jansona-Brauna filozofiskie uzskati. Riga, Latvijas Valsts izd-ba, 1964. 122 p. [In Latvian]

[THOU SHALL NOT CREATE UNTO THYSELF ANY GRAVEN IMAGES...; from foreign antireligious humor] Ne sotvori sebe kumira...; iz zarubezhnogo antireligioznogo iumora. Moskva, Politizdat, 1964. 45 p. (Khudozhestvennaia ateisticheskaia biblioteka)

VOLKOV, IU. E. [The concept of dialectical and historical materialism; a textbook for students of specialized secondary schools in the social sciences] Poniatie o dialekticheskom i istoricheskom materializme; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Petrozavodsk] Vysshaia shkola, 1964. 62 p.

VYSHNIA, OSTAP, pseud. [Doomsday] Strashnyi sud. Moskva, Politizdat, 1964. 78 p. (Khudozhestvennaia ateisticheskaia biblioteka)

4. HISTORY

ABASHIDZE, GRIGOL. [Long night; Georgian chronicle of the 13th century. Dolgaia noch'; gruzinskaia khronika trinadtsatogo veka. Tbilisi, Sabchota Sakartvelo] 1963. 465 p. [In Georgian]
(MH)

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut literatury i iazyka. [Great friendship of the Azerbaijani and Russian peoples from early times to our days; documents, letters, articles, recollections, literary works] Velikaia druzhba azerbaidzhanskogo i russkogo narodov (s drevnikh vremen do nashikh dnei); dokumenty, pis'ma, stat'i, vospominaniia, khudozhestvennye proizvedeniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Book 1. 1964. 416 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut vostokovedeniia. [Oriental studies in Soviet Azerbaijan] Vostokovedenie v Sovetskom Azerbaidzhane. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 46 p.

AKADEMIIA NAUK MOLDAVSKOI SSR. Institut istorii. [History of Moldavia] Istoriia Moldavii; dokumenty i materialy. Kishinev, Kartia Moldoveniaske.
Vol. 4. [Situation of the peasants and the sociopolitical movement in Bessarabia, 1861-1895; documents and materials] Polozhenie krest'ian i obshchestvenno-politicheskoe dvizhenie v Bessarabii (1861-1895 gody); dokumenty i materialy. Sost. I. G. Budak. 1964. 717 p.

AKADEMIIA NAUK SSSR. Institut arkheologii. [Monuments of the Stone and Bronze Ages in Eurasia] Pamiatniki kamennogo i bronzovogo vekov Evrazii. Moskva, Izd-vo "Nauka," 1964. 181 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Acts related to the socioeconomic history of northeastern Russia at the end of the 14th and the beginning of the 15th century] Akty sotsial'no-ekonomicheskoi istorii Severo-Vostochnoi Rusi kontsa XIV-nachala XVI v. Moskva, Izd-vo "Nauka."
Vol. 3. 1964. 686 p.

AKADEMIIA NAUK SSSR. Institut istorii. [The revolutionary situation in Russia from 1859 to 1861] Revoliutsionnaia situatsiia v Rossii v 1859-1861 gg. Moskva, Izd-vo Akad. nauk SSSR.
[Vol. 3.] 1963. 458 p.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [Zdenek Nejedly, prominent public personality and scholar] Zdenek Needly vydaiushchiisia obshchestvennyi deiatel' i uchenyi. Moskva, Izd-vo "Nauka," 1964. 270 p.

AKADEMIIA NAUK SSSR. Otdelenie istorii. [International relations, policy, diplomacy, from the 16th to the 20th century; papers dedicated to I. M. Maiskii on his 80th birthday] Mezhdunarodnye otnosheniia, politika, diplomatiia, XVI-XX veka; sbornik statei k 80-letiiu akademika I. M. Maiskogo. Moskva, Izd-vo "Nauka," 1964. 557 p.

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [Modern history of the West European countries and America, 1918-1939] Novitnia istoriia krain Zakhidnoi Evropy i Ameriky, 1918-1939. Kyiv, Radians'ka shkola.
Vol. 1. 1962. 562 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Muzei istorii Uzbekskoi SSR. [A treasure-house of the history of Uzbekistan; a guide through the halls of the Museum of History of the Uzbek S. S. R.] Sokrovishchnitsa istorii Uzbekistana; putevoditel' po zalam Muzeia istorii UzSSR, Tashkent. 1961. 85 p.

AKIMKINA, N. A., and M. A. LIUKSEMBURG. [Readings in the history of the non-Soviet East; India, Iran, Turkey] Praktikum po istorii stran zarubezhnogo Vostoka; Indiia, Iran, Turtsiia. Moskva, Vysshaia shkola, 1963. 168 p.

AKRAMOV, N. M. [V. V. Bartol'd, outstanding Russian orientalist; a biographical study] Vydaiushchiisia russkii vostokoved V. V. Bartol'd; nauchno-biograficheskii ocherk. Pod red. B. A. Litvinskogo. Dushanbe, Akad. nauk Tadzhikskoi SSR. In-t istorii im. Akhmada Donisha, 1963. 110 p.

AKUSHEVICH, E. G. [Fires in our forests; a documentary tale] Ogni v rodnykh lesakh; dokumental'naia povest'. Minsk, Izd-vo "Belarus'," 1964. 290 p.

BAZHENOVA, N. P. [Outline history of the revolutionary liberation movement of workers in Transcarpathia during 1917-1923] Narys istorii revoliutsiino-vyzvol'noho rukhu trudiashchykh Zakarpattia v 1917-1923 g. g. Uzhhorod, Uzhhorods'kyi derzh. univ., 1962. 166 p.
(NN)

BEGA, F. F., and V. G. ALEKSANDROV. [illegible] Moskva, Molodaia gvardiia, 1963. 317 p. [illegible] zamechatel'nykh liudei. Seriia biografii, [illegible]

BELEVITNEV, R., and A. LOS' [Defenders of [illegible] a documentary sketch] Zashchitniki [illegible] dokumental'nyi ocherk. Riga, Latviiskoe gos. [illegible] 1963. 150 p.

BELIAEV, V. P., and I. PODOLIANIN. [illegible] Black Forest] Ekho chernogo lesa. Moskva, [illegible] 1963. 190 p.
(MH)

BEREZHNOI, I. S., and R. D. CHAICHUK. [Mikhail Tomas, a soldier of three Russian revolutions] Mikhail Tomas - soldat trekh russkikh rev[illegible] Odessa, Izd-vo "Maiak," 1964. 83 p.

BERS, E. M. [Archaeological monuments of [illegible] and its environs] Arkheologicheskie [illegible] Sverdlovska i ego okrestnostei. [Sverdlovsk] [illegible] lovskoe knizhnoe izd-vo, 1963. 110 p.

BORMAN, ARKADII. [A. V. Tyrkova-Williams [illegible] letters and her son's reminiscences] A. V. [illegible] Vil'iams po ee pis'mam i vospominaniiam [illegible] Louvain, Belgium, 1964. 333 p.

CHEREVATENKO, A. T. [We shall return, [illegible] As told to A. Kliuchnik] My vernemsia, [illegible] raturnaia zapis A. Kliuchnika. [Odessa] [illegible] knizhnoe izd-vo, 1963. 150 p.

CHERNIAVSKII, U. G. [War and food; [illegible] population with food during the Great Patriotic War, 1941-1945] Voina i prodovol'stvie; [illegible] skogo naseleniia v Velikuiu Otechestvennuiu [illegible] (1941-1945 gg.) Moskva, Izd-vo "Nauka," [illegible] 207 p.

CHISTOZVONOV, A. N. [The reformation [illegible] the class struggle in the Netherlands during [illegible] half of the 16th century] Reformatsionnoe [illegible] klassovaia bor'ba v Niderlandakh v [illegible] XVI veka. Moskva, Izd-vo "Nauka," 1964. [illegible]

[CHRONICLE OF THE CITY OF VOLOGDA, 1147-[illegible] Letopis goroda Vologdy, 1147-1962. [Vologda] [illegible] godskoe knizhnoe izd-vo, 1963. 255 p.

CHURBANOV, A. N. [In the ranks of the [illegible] strolu zhivykh. [Murmansk] Murmanskoe [illegible] izd-vo, 1964. 66 p.

DANILEVSKII, A. F. [V. I. Lenin and the [illegible] military organization at the Eighth Congress of the Russian Communist Party (Bolshevik)] V. I. Lenin i voprosy voennogo stroitel'stva na VIII s"ezde RKP(b). Moskva, Voenizdat, 1964. 93 p.

D'IAKOV, V. A., and I. S. MILLER. [Revolutionary movement in the Russian Army and the insurrection of 1863] Revoliutsionnoe dvizhenie v russkoi armii i vosstanie 1863 g. Moskva, Izd-vo "Nauka," 1964. 446 p.

EESTIMAA KOMMUNISTLIK PARTEI. [illegible] Partei Ajaloo Instituut. [A professional [illegible] reminiscences of and documents on V. Kingissepp (on the 75th anniversary of his birth)] [illegible] riigikukutaja; mälestusi ja dokumente V. [illegible] (75. sünnipäevaks). Tallinn, Eesti Riiklik [illegible] 1963. 279 p. [In Estonian]

EGOROV, V. F., N. I. ZOTOV, and A. N. [illegible] [Heroes do not die; a true story] Geroi ne [illegible] byl'. Odessa, Maiak, 1964. 220 p.

FROLOV, E. D. [Social and political struggle in [illegible] at the end of the fifth century B.C.; materials and documents] Sotsial'no-politicheskaia bor'ba v Afinakh v kontse V veka do n. e.; materialy i dokumenty. [Leningrad] Izd-vo Leningr. univ., [illegible] 148 p.

GALAIDIN, EVGENII. [Shot down over Tilsit; a documentary tale] Sbit nad Til'zitom; dokumental'naia povest'. Minsk, Gos. izd-vo BSSR, 1963. [illegible] p.

GNUTOV, M. A., and G. N. FEDOROV. [The [illegible] year of 1918...; the 45th anniversary of the [illegible] of Lenin's homeland from the White Guard] [illegible] vosemnadtsatyi god...; k 45-letiiu [illegible] Rodiny V. I. Lenina ot belogvardeitsev. [Ul'[illegible] Ul'ianovskoe knizhnoe izd-vo, 1963. 114 p.

GONCHAROV, A. A. [The detachment came along the coast...] Shel otriad po beregu... [Odessa] Odesskoe knizhnoe izd-vo, 1963. 218 p.

GUGUSHVILI, P. V. [Karl Marx in Georgian journalistic writings and public opinion up to 1898] Karl Marks v gruzinskoi publitsistike i obshchestvennosti do 1898 goda. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 286 p.

GYÖRKEI, JENŐ. [Side by side with Frunze. Translated from the Hungarian] Riadom s Frunze. Moskva, Voen. izd-vo, 1963. 106 p.
(CSt-H)

[A HEART DEVOTED TO PEOPLE; story about the life and work of Grigorii Ivanovich Petrovskii] Serdtse, otdannoe liudiam; rasskaz o zhizni i deiatel'nosti Grigoriia Ivanovicha Petrovskogo. Moskva, Politizdat, 1964. 189 p.

ITKINA, A. M. [Revolutionary, tribune, diplomat; an outline of Aleksandra Mikhailovna Kollontai's life] Revoliutsioner, tribun, diplomat; ocherk zhizni Aleksandry Mikhailovny Kollontai. Moskva, Politizdat, 1964. 126 p.

KAROSAS, JONAS. [The stones of Vilnius speak; from memoirs of 1926-1931] Kalba Vilniaus akmenys; is 1926-1931 m. atsiminimu. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 327 p. [In Lithuanian]

KOMSKII, B. G. [A lucky wind] Schastlivyi veter. Moskva, Voenizdat, 1964. 63 p. (Biblioteka soldata i matrosa)

KOSEV, D., KH. R. KHRISTOV, and D. ANGELOV. [Brief history of Bulgaria] Kratkaia istoriia Bolgarii. Sofia, Izd-vo lit-ry na inostr. iazykakh, 1963. 478 p.

KOVNATOR, R. A. [The first years] Pervye gody. Moskva, Politizdat, 1964. 157 p.

KRAMAROV, G. M. [A soldier of the Revolution; Sergei Ivanovich Gusev] Soldat revoliutsii; o Sergee Ivanoviche Guseve. Moskva, Politizdat, 1964. 91 p. (Geroi i podvigi)

KRZHIZHANOVSKII, G. M. [Shu-shu; from recollections of V. I. Lenin] Shu-shu; iz vospominanii o V. I. Lenine. Moskva, Izd-vo "Detskaia literatura," 1964. 37 p. (Shkol'naia biblioteka)

KULIEV, O., K. RAKHMANOV, and A. ARTYKOV. [History of the Turkmen S. S. R.; for grades 9-11] Istoriia Turkmenskoi SSR; dlia IX-XI klassov. Ashkhabad, Turkmenuchpedgiz, 1963. 134 p.

KULISH-AMIRKHANOVA, A. S. [Role of the Red Army in the economic and cultural construction in Daghestan (1920-1923)] Rol' Krasnoi armii v khoziaistvennom i kul'turnom stroitel'stve v Dagestane (1920-1923 gg.) Makhachkala, Dagestanskii filial Akad. nauk SSSR, 1964. 161 p.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestures institute. [Victory of the socialist revolution in Latvia in 1940 (June 20 - August 5); documents and materials] Socialistiskas revolucijas uzvara Latvija 1940 gada (20. VI-5. VIII); dokumenti un materiali. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 543 p. [In Latvian]

LAZAREV, M. S. [Kurdistan and the Kurd problem; from the nineties to 1917] Kurdistan i kurdskaia problema; 90-e gody XIX veka - 1917 g. Moskva, Izd-vo "Nauka," 1964. 398 p.

LENIN, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Politizdat.
Vol. 46. [Letters, 1893-1904] Pis'ma 1893-1904. 1964. 662 p.

LIUDVINSKAIA, T. F. [Great, close and simple] Velikii, blizkii, prostoi. Moskva, Izd-vo "Znanie," 1964. 76 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, nos. 7-8)

MAKSAROV, N. V. [Georgii Zhdanov, son of the Communist Party] Syn partii Georgii Zhdanov. [Perm'] Permskoe knizhnoe izd-vo, 1963. 62 p. (Zamechatel'nye liudi Prikam'ia)

MANOLOV, N. [With pure heart. Translated from the Bulgarian] S chistym serdtsem. Moskva, Voenizdat, 1964. 70 p.

MARX, KARL, and FRIEDRICH ENGELS. [Collected works] Sochineniia. Izd. 2. Moskva, Politizdat.
Vol. 33. 1964. 788 p.

[MEDICAL WORKERS' REMINISCENCES OF V. I. LENIN] Vospominaniia medikov o V. I. Lenine. [Moskva] Meditsina, 1964. 234 p.

[MEMORIALS OF THE REVOLUTIONARY PAST IN THE ESTONIAN S. S. R.] Revolutsioonimalestisi Eesti NSV-s. Tallinn, Eesti Riiklik Kirjastus, 1963. 48 p. illus. [In Estonian]

MEZHVUZOVSKAIA NAUCHNAIA KONFERENTSIIA, POSVIASHCHENNAIA 40-LETIIU OSVOBOZHDENIIA DAL'NEGO VOSTOKA OT INTERVENTOV I BELOGVARDEITSEV, 1962. [From the history of the Soviet Far East; materials] Iz istorii sovetskogo Dal'nego Vostoka; materialy. Khabarovsk, Khabarovskaia vysshaia partiinaia shkola, 1963. 188 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [From the history of V. I. Lenin's struggle for the consolidation of the Communist Party] Iz istorii bor'by V. I. Lenina za ukreplenie partii. Moskva, Izd-vo "Mysl'," 1964. 317 p.

MULLO, I. M. [Monuments and notable places of Karelia] Pamiatniki i pamiatnye mesta Karelii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 146 p.

NECHKINA, M. V., and A. V. FADEEV. [History of the U. S. S. R.; with information on the modern history of foreign countries] Istoriia SSSR; so svedeniiami po novoi istorii zarubezhnykh stran. Moskva, Gos. uchebno-pedagog. izd-vo, 1961- 1 v. maps.
(HU)

NEKRASOV, G. A. [Russo-Swedish relations and the policy of the Great Powers from 1721 to 1726] Russko-shvedskie otnosheniia i politika velikikh derzhav v 1721-1726 gg. Moskva, Izd-vo "Nauka," 1964. 274 p.

NOVIKAU, IVAN. [The roads intersected in Minsk; a documentary tale] Darohi skryzhavalisia u Minsku; dakumental'naia apovests'. Minsk, Vyd-va "Belarus'," 1964. 430 p.

PAINA, E. S. [Peasant movement in Russia in the 19th and early 20th centuries; a survey of publications issued by the State Archives of the U. S. S. R.] Krest'ianskoe dvizhenie v Rossii v XIX-nachale XX vv.; obzor publikatsii Gosudarstvennykh arkhivov SSSR. Moskva, TSentr. Gos. istoricheskii arkhiv SSSR, 1963. 81 p.

PAVLOVA, L. IA. [Decembrist M. F. Orlov] Dekabrist M. F. Orlov. Moskva, Izd-vo "Nauka," 1964. 142 p. (Nauchno-populiarnaia seriia)

PETROV, P. U. [Revolutionary activities of the Bolsheviks during their exile in Yakutia] Revoliutsionnaia deiatel'nost' bol'shevikov v IAkutskoi ssylke. Moskva, Politizdat, 1964. 78 p.

PIL'NIK, M. P. [Hero of Kaluga; a sketch] Geroi zemli Kaluzhskoi; ocherk. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1964. 80 p.

PRAVDA, Moscow. [True Leninist, selfless fighter for peace and communism; cordial greetings and good wishes on the occasion of N. S. Khrushchev's 70th birthday] Vernyi leninets, bezzavetnyi borets za mir i kommunizm; serdechnye pozdravleniia i dobrye pozhelaniia v sviazi s 70-letiem so dnia rozhdeniia N. S. Khrusheva. Moskva, Politizdat, 1964. 146 p.

PROKOF'EV, V. A. [Among witnesses of the past] Sredi svidetelei proshlogo. [Moskva] Molodaia gvardiia, 1964. 223 p.

PRUSAKOV, V. V. [Diaries of trying years] Dnevniki surovykh let. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 77 p.

ROZANOV, G. L. [Swastika over Germany, 1933-1939] Svastika nad Germaniei (1933-1939 gody). Moskva, Politizdat, 1964. 70 p. (Shkol'naia bibliotechka po noveishei istorii)

RUDNEV, DANIL. [Viktor Kingissepp in Moscow] Viktor Kingissepp Moskvas. Tallinn, Eesti Riiklik Kirjastus, 1963. 88 p. [In Estonian]

RUSSIA. Ministerstvo inostrannykh del. [Foreign policy of Russia in the 19th and early 20th century; documents of the Russian Ministry of Foreign Affairs] Vneshniaia politika Rossii XIX i nachala XX veka; dokumenty Rossiiskogo ministerstva inostrannykh del. Moskva, Politizdat.
[Seriia pervaia, 1801-1815 gg. Vol. 3.] Narochnitskii, A. L., and others, eds. [January 1806-July 1807] IAnvar' 1806 g. -iiul' 1807 g. 1963. 838 p.

RUSSIA (1923- U. S. S. R.) Komissiia po izdaniiu diplomaticheskikh dokumentov. [Documents related to the foreign policy of the U. S. S. R.] Dokumenty vneshnei politiki SSSR. Moskva, Politizdat.
Vol. 9. [January 1 -December 31, 1926] 1 ianvaria-31 dekabria 1926 g. Red. kollegiia deviatogo toma: I. M. Gorokhov i dr. 1964. 782 p.

[...SHE FOUGHT FOR HER COUNTRY; letters and documents of heroines of the Great Patriotic War] ...Srazhalas' za rodinu; pis'ma i dokumenty geroin' Velikoi Otechestvennoi voiny. Moskva, Izd-vo "Mysl'," 1964. 366 p.

SHELEPOV, B. F. [Cossacks go out on a raid; sketches] Kazaki ukhodiat v reid; ocherki. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 112 p.
(MH)

SHORNIKOV, M. M. [The Bolsheviks of Novonikolaevsk in the period of the preparation and carrying out of the October Revolution, March 1917-February 1918] Bol'sheviki Novonikolaevska v period podgotovki i provedeniia Oktiabr'skoi revoliutsii (mart 1917 - fevral' 1918 gg.) Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1963. 77 p. (Iz istorii Novosibirskoi partiinoi organizatsii)

SKAZIN, E. V. [Daghestan in Soviet historical literature] Dagestan v sovetskoi istoricheskoi literature. Makhachkala, Dagestanskii filial AN SSSR, In-t istorii, iazyka i lit-ry, 1963. 194 p.

SMIRNOV, S. S. [The Brest fortress] Brestskaia krepost'. [Moskva, Izd-vo "Detskaia literatura," 1964] 406 p. (Shkol'naia biblioteka)

SOCNEVS, MARGERS. [Kaspars Biezbardis; his life and philosophical views] Kaspars Biezbardis; dzive un pasaules uzskats. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 130 p. [In Latvian]

[SOVIET HISTORICAL ENCYCLOPEDIA] Sovetskaia istoricheskaia entsiklopediia. Glav. red. E. M. Zhukov. Moskva, Izd-vo "Sovetskaia entsiklopediia." (Entsiklopedii, slovari, spravochniki)
Vol. 5. Dvinsk - Indoneziia. 1964. 960 columns.

[SOVIET PILOTS IN BATTLES FOR THE HOMELAND] Sovetskie letchiki v boiakh za Rodinu. Moskva, Izd-vo DOSAAF, 1963. 195 p.

[STREETS NAMED FOR HEROES; sketches] Ulitsy imeni geroev; ocherki. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 117 p.

SUETONIUS TRANQUILLUS, C. [The lives of the twelve Caesars. Translated from the Latin] Zhizn' dvenadtsati tsezarei. Izd. podgotovili M. L. Gasparov i E. M. Shtaerman. Moskva, Izd-vo "Nauka," 1964. 375 p. (Literaturnye pamiatniki)

SUN, YAT-SEN. [Selected works] Izbrannye proizvedeniia. Moskva, Izd-vo "Nauka," 1964. 572 p.

TEL'MAN, I. G. [Kuli-Shen, or the nonfictional legend] Kuli-Shen, ili nevydumannaia legenda. Moskva, Politizdat, 1964. 78 p. (Geroi i podvigi)

TIPNER, JOHANNES. [In the fire of revolution] V ogne revoliutsii. Tallinn, Estonskoe gos. izd-vo, 1964. 309 p. 12 diagr. (insert)

TREMBACH, I. S. [On the road of exploits; sketches] Dorogoi podvigov; ocherki. Elista, Kalmgosizdat, 1963. 183 p.

TROPKIN, N. V. [V. I. Lenin's book " 'Left-wing' communism, an infantile disorder"] O knige V. I. Lenina "Detskaia bolezn' 'levizny' v kommunizme." Moskva, Politizdat, 1964. 77 p. (Konsul'tatsii po istorii KPSS)

TSYBUL'SKII, V. V. [Currently used calendars in the countries of the Near East and Middle East; with synchronistic tables and explanations] Sovremennye kalendari stran blizhnego i srednego vostoka; sinkhronisticheskie tablitsy i poiasneniia. Moskva, Izd-vo "Nauka," 1964. 235 p.

UL'IANOV, D. I. [Recollections about Vladimir Il'ich] Vospominaniia o Vladimire Il'iche. Moskva, Politizdat, 1964. 60 p.

VARALAS, ALFONSAS. [The legend of Tarpumiskiai] Tarpumiskiu legenda. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 74 p. [In Lithuanian]

VEDENIN, A. IA. [Years and people; memoirs] Gody i liudi; vospominaniia. Moskva, Politizdat, 1964. 205 p.

VERKHOZIN, A. M. [Airplanes fly to the partisans; notes of a chief of staff] Samolety letiat k partizanam; zapiski nachal'nika shtaba. Moskva, Politizdat, 1964. 205 p.

VESTERMANIS, MARGERS. [Red flame of the world's hopes] Pasaules ceribu sarkana liesma. Riga, Latvijas Valsts izd-ba, 1964. 84 p. [In Latvian]

VINOGRADOV, K. B. [The Bosnian crisis of 1908-1909, the prolog of the First World War] Bosniiskii krizis 1908-1909 gg. prolog Pervoi Mirovoi voiny. [Leningrad] Izd-vo Leningr. univ., 1964. 157 p.

VORONTSOV, A. V., and L. N. PUNIN. [Heroes do not die] Geroi ne umiraiut. Leningrad, Ob-vo "Znanie," 1964. 53 p.

[WAR OF THE LITHUANIANS WITH THE TEUTONIC KNIGHTS] Lietuviu karas su Kryziuociais. Vilnius, Leidykla "Mintis," 1964. 354 p. [In Lithuanian]

ZAGORUL'SKII, E. M. [Ancient Minsk] Drevnii Minsk. Minsk, Gos. izd-vo BSSR, 1963. 117 p.

ZIEMELIS, S., and A. GUSEVS. Davids Beika. Riga, Latvijas Valsts izd-ba, 1963. 236 p. [In Latvian]

ZLATKIN, I. IA. [History of the Dzungarian Khanate, 1635-1758] Istoriia Dzhungarskogo khanstva (1635-1758). Moskva, Izd-vo "Nauka," 1964. 480 p.

5. SOCIAL SCIENCES

[ACCOUNTING IN INDUSTRY; collection of exercises] Bukhgalterskii uchet v promyshlennosti; sbornik uprazhnenii. Moskva, Izd-vo "Finansy," 1964. 202 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut filosofii i prava. [Development of the socialist consciousness of collective farmers; based on materials of the Kazakh S. S. R.] Razvitie sotsialisticheskogo soznaniia kolkhoznogo krest'ianstva (na materialakh Kazakhskoi SSR). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 214 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Contemporary Japan; collection of articles] Sovremennaia IAponiia; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 294 p.

AKADEMIIA NAUK SSSR. Otdelenie ekonomiki. Nauchnyi sovet po problemam tsenoobrazovaniia. [Accounting for the consumer properties of production in price determination; materials of the Second Enlarged Session of the Academic Council for Problems of Price Determination, March 26-30, 1963] Uchet potrebitel'skikh svoistv produktsii v tsenoobrazovanii; materialy vtoroi rasshirennoi sessii Nauchnogo soveta po problemam tsenoobrazovaniia (26-30 marta 1963 g.). Pod red. V. P. D'iachenko. Moskva, Izd-vo "Nauka," 1964. 326 p.

AKSENOVA, Z. I. [Economic aspects of freight transportation] Voprosy ekonomiki perevozok gruzov. Moskva, Transport, 1964. 164 p.

ALEKSEEV, A. M., and L. P. IVANOVA. [Present stage of the competition between the two world systems] Sovremennyi etap ekonomicheskogo sorevnovaniia dvukh mirovykh sistem. Moskva, Ekonomika, 1964. 255 p.

ALEKSIN, A. G. [Let's discuss humanity; a writer's notes] Pogovorim o chelovechnosti; zametki pisatelia. Moskva, Politizdat, 1964. 87 p. (Vremia i liudi)

ARNOL'DOV, A. I. [Toward the golden age of communist culture] K rastsvetu kommunisticheskoi kul'tury. Moskva, Izd-vo "Znanie," 1964. 40 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 10)

ASTRAKHAN (Province) Statisticheskoe upravlenie. [Economy of Astrakhan Province; a statistical abstract] Narodnoe khoziaistvo Astrakhanskoi oblasti; statisticheskii sbornik. [2. per. i dop. izd.]. Saratov, Gosstatizdat TsSU SSSR, Saratovskoe otd-nie, 1963. 108 p.

AZERBAIJAN. TSentral'noe statisticheskoe upravlenie. [National economy of the Azerbaijan S. S. R. in 1962; statistical abstract] Narodnoe khoziaistvo Azerbaidzhanskoi SSR v 1962 godu; statisticheskii sbornik. Baku, Gosstatizdat, 1963. 254 p.

BAGAMANOV, K. SH., O. I. ARDASHOVA, and V. S. MAKSIUTOV. [Distribution and economic effectiveness of the production of industrial crops in Bashkiria] Razmeshchenie i ekonomicheskaia effektivnost' proizvodstva tekhnicheskikh kul'tur v Bashkirii. Ufa, Bashkirskii filial AN SSSR, 1963. 64 p.

BATKIS, G. A. [Problems in health and vital statistics; selected works] Voprosy sanitarnoi i demograficheskoi statistiki; izbrannye proizvedeniia. Pod red. A. M. Merkova. Moskva, "Statistika," 1964. 289 p.

BELORUSSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI I ORGANIZATSII SEL'SKOKHOZIAISTVENNOGO PROIZVODSTVA. [Basic and supplemental wages on collective farms] Osnovnaia i dopolnitel'naia oplata truda v kolkhozakh. Minsk, Izd-vo "Urozhai," 1964. 57 p.

BEREGOVSKII, V. I. [Nickel and its importance for the national economy] Nikel' i ego znachenie dlia narodnogo khoziaistva. Moskva, Izd-vo Metallurgiia, 1964. 51 p.

BEREZNOI, N. I., and A. I. ZHDANOV, eds. [Handbook for the economist and planner in an industrial enterprise] Spravochnik ekonomista i planovika promyshlennogo predpriiatiia. Moskva, Ekonomika, 1964. 698 p.

BERG, D. S. [Shoulder to shoulder; Marxist-Leninist parties as organizers of the economic cooperation of the countries participating in the Mutual Economic Assistance Council] Plechom k plechu; marksistsko-leninskie partii — organizatory ekonomicheskogo sotrudnichestva stran — uchastnits SEV. Leningrad, Ob-vo "Znanie," 1963. 64 p.

BEZOUSKA, JIRI, JOSEF VYTACIL, and JAROMIR WALTER. [Study of the supply and demand of the population. Translated from the Czech] Izuchenie potrebleniia i sprosa naseleniia. Moskva, [Izd-vo "Statistika,"] 1964. 328 p.

BORISOV, K. I. [Talks about the statutes of the trade unions of the U. S. S. R.] Besedy ob ustave profsoiuzov SSSR. [Moskva] Profizdat, 1964. 95 p. (Biblioteka profsoiuznogo aktivista, no. 13(85))

[BORN OF LIFE; a yearbook of the Communist Youth League] Narodzheni zhyttiam; komsomol's'kyi shchorichnykh. Kyiv, Vyd-vo "Molod'."
No. 2. 1963. 228 p.

BRONSTEIN, MIHAILA, and HERBERT METSA. [Val price, and price policy] Vaartus, hind ja hinnapoli Tallinn, Eesti Riiklik Kirjastus, 1964. 133 p. [In Estonian]

BUZDALOV, I. N. [A hectare of land; studies on problems in the intensification of agriculture] Gektar zemli; ocherki po voprosam intensifikatsii zemledeliia. Moskva, Izd-vo "Znanie," 1964. 76 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 2)

CHECHEN-INGUSH A. S. S. R. Statisticheskoe upravlenie. [National economy of the Chechen-Ingush A. S. S. R.; statistical abstract] Narodnoe khoziaistvo Checheno-Ingushskoi ASSR; statisticheskii sbornik. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1963. 351 p.

CHEVELEV, I. I. [Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. [Petrozavodsk] Vysshaia shkola, 1964. 214

[COLLECTIVE FARM ACCOUNTANT'S MANUAL] Spravochnik bukhgaltera kolkhoza. Izd. 2., perer. i dop. Moskva, Izd-vo "Kolos," 1964. 623 p.

[CONTRIBUTION OF THE CHEMICAL WORKERS OF THE CRIMEA TO THE NATIONAL ECONOMY; a collection] Khimiki Kryma - narodnomu khoziaistvu; sbornik. Simferopol', Krymizdat, 1963. 86 p.

[CONTROL BY THE PEOPLE, A REAL ONE] Tesirli khalk kontrollygy. Ashgabat, Turkmenistan Neshriiaty, 1963. 46 p. [In Turkmen]

[COUNTRIES OF SOUTH EAST ASIA; a concise political and economic reference book] Strany IUgo-Vostochnoi Azii; kratkii politiko-ekonomicheskii spravochnik. Moskva, Politizdat, 1964. 205 p.

DEGTIAREV, V. I. [Labor productivity in Donets Basin mines] Proizvoditel'nost' truda na shakhtakh Donbassa. Kiev, "Tekhnika," 1964. 166 p.

DELIUSIN, L. P. [Struggle of the Communist Party of China for the solution of the agrarian question] Bor'ba Kommunisticheskoi partii Kitaia za razreshenie agrarnogo voprosa. Moskva, Izd-vo "Nauka," 1964. 183 p.

DEMCHENKO, M. N. [Specialization and labor productivity in the machinery industry] Spetsializatsiia i proizvoditel'nost truda v mashinostroenii. Moskva, Izd-vo "Nauka," 1964. 415 p.

D'IACHKOV, M. F. [Statistical problems of production in construction] Voprosy statistiki produktsii stroitel'stva. Moskva, Statistika, 1964. 110 p.

DOMBROVSKAIA, Z. A. [Organization and planning of the wholesale trade in textile goods] Organizatsiia i planirovanie optovoi torgovli tekstil'nymi tovarami. Moskva, Gos. izd-vo torg. lit-ry, 1963. 149 p.
(InU)

DOVLETOV, SAGYN. [New conditions, new tasks] Teze shertler, teze talaplar. Ashgabat, Turkmenistan, Dovlet Neshriiaty, 1963. 31 p. [In Turkmen]

DYMSHITS, M. A. [The organization and economics of equipment modernization] Organizatsiia i ekonomika modernizatsii oborudovaniia. Moskva, Izd-vo "Mashinostroenie," 1964. 130 p.

EGER, E. I., D. L. LEVINA, and L. A. MEILIS. [Problems and exercises on the fundamentals of statistics for the groups training accountants for industrial enterprises] Sbornik zadach i uprazhnenii po osnovam statistiki dlia grupp podgotovki bukhgalterov promyshlennykh predpriiatii. Izd. 2., perer. Moskva, Statistika, 1964. 143 p.

EMEL'IANOV, A. M. [Business accounting and profitableness on collective farms] Khozraschet i rentabel'nost' v kolkhozakh. [Smolensk] Smolenskoe knizhnoe izd-vo, 1961. 76 p. (V pomoshch' ekonomicheskomu obrazovaniiu)

EMSINS, R. [Efficient labor organization in an industrial enterprise] Racionala darba organizacija rupniecibas uznemuma. Riga, Latvijas Valsts izd-ba, 1963. 85 p. (Paligs ekonomiskai izglitibai) [In Latvian] [illegible] NIKOLAI, and M. [illegible] [illegible] Tallinn, Eesti Raamatu Kirjastus, [illegible] [In Estonian]

[illegible]

[illegible] Moskva, [illegible]

[illegible] Minsk, [illegible]

[illegible] Moskva, [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [In Estonian]

[illegible] Riga, [illegible] [In Latvian]

[illegible] Riga, Latvijas Valsts izd-vo, [illegible] [In Latvian]

[illegible] Moskva, [illegible]

[illegible] [Capital [illegible] of the [illegible] industry and [illegible]] [illegible] Moskva, [illegible]

[illegible] [illegible] Tomsk, [illegible] Tomskoe knizhnoe izd-vo, [illegible]

[illegible] [Socialism as the first phase of communism; the economic structure of the socialist society. Text book for students of special secondary schools of social sciences] [illegible] Vysshaia shkola, 1964. [illegible]

[illegible] [The socialist village on the road to communism] [illegible] Tallinn, Eesti Raamat, [illegible] 89 p. [illegible] [In Estonian]

KACHANOV, A. I. [Cotton industry and its prospects] [illegible] 1963. 140 p.

[illegible] [illegible] Tallinn, Eesti NSV Teaduste Akadeemia Ajaloo Instituut, [illegible] [In Estonian]

[illegible] Moskva, Izd-vo [illegible]

[illegible]

[illegible] Moskva, [illegible] 1964. [illegible]

[illegible] Kazakhstan, 1963. [illegible]

[illegible] Moskva, Izd-vo "Mysl'," 1964. [illegible]

[illegible] Kishinev, [illegible] 1962. [illegible]

[illegible] [Agrarian problems of underdeveloped countries] [illegible] Moskva, Izd-vo "Znanie," 1964. 32 p.

[illegible] [Overcoming social and economic distinctions between the city and village] Preodolenie sotsial'no-ekonomicheskikh razlichii mezhdu gorodom i derevnei. Moskva, Ekonomika, 1964. [illegible]

[illegible] T. A., A. A. [illegible], and G. P. [illegible] [illegible] Leningrad, Stroiizdat, 1964. [illegible]

[illegible] N. A., and [illegible] [The process of the formation of capital] Protsess proizvodstva kapitala. [Moskva] Vysshaia shkola, 1964. [illegible]

[illegible] [Control in the Lenin way] Kontrol' po-leninski. [illegible] knizhnoe izd-vo, [illegible] 61 p. (Bibliotechka agitatora)

[illegible] [The light of Aurora] Svet Avrory. [Moskva] Moskovskii rabochii, 1964. [illegible]

KORF, M. L., M. G. FAIBUSOVICH, and D. P. FROLOV. [Tables for the computation of wages for automobile, bus, and truck drivers] Tablitsy dlia nachisleniia zarabotnoi platy shoferam. Izd. 2., dop. Moskva, Transport, 1964. 206 p.

KORNIENKO, V. T. [Prices and consumers' demand; influence of price on consumers' demand, and the methodology of planning prices for consumers' goods] Tseny i potrebitel'skii spros; voprosy vozdeistviia tseny na potrebitel'skii spros i metodologiia planirovaniia tsen na tovary narodnogo potrebleniia. Moskva, Ekonomika, 1964. 120 p.

KORNILOV, D. M., and N. K. MAKAROV. [Economics, organization and planning of bakeries] Ekonomika, organizatsiia i planirovanie khlebopekarnogo proizvodstva. Moskva, Izd-vo Tsentrosoiuza, 1964. 193 p.

KOTOV, G. G. [Labor productivity and production costs in agriculture] Proizvoditel'nost' truda i sebestoimost' produktsii v sel'skom khoziaistve. Moskva, Ekonomika, 1964. 279 p.

KOVRIGA, Z. F. [Investigation by the organs of the police] Doznanie v organakh militsii. Pod red. V. E. Chugunova. Voronezh, Izd-vo VGU, 1964. 57 p.

KRUKOV, A. F. [The inspector-organizer] Inspektor-organizator. Moskva, Izd-vo "Znanie," 1964. 31 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 1)

[illegible], A. S. [Builders of Lenin's Communist Youth League] [illegible] Moskva, Izd-vo "Znanie," 1964. 31 p. [illegible] no. 10)

[illegible] [illegible] Kyïv, Radians'ka shkola, 1963. 143 p. [illegible]

[illegible] IA. M. [Calculating capital and production stocks of construction organizations] [illegible] Moskva, Ekonomika, 1964. 105 p. (V pomoshch' ekonomistu i planoviku)

[illegible] [Calculation of prime cost of [illegible] from purchased raw materials] [illegible] Moskva, Ekonomika, 1964. 133 p. (V pomoshch' ekonomistu i planoviku)

LEBEDEV, V. V. [Russian-American economic relations, 1900-1917] Russko-amerikanskie ekonomicheskie otnosheniia (1900-1917 gg.). Moskva, [illegible] 1964. [illegible]

LENINGRAD. FINANSOVO-EKONOMICHESKII INSTITUT. [Organization and planning of industrial enterprises] Organizatsiia i planirovanie promyshlennykh predpriiatii; [illegible] [Leningrad] Izd-vo Leningr. univ., 1964. 116 p.

[illegible], I. M. [Commodity production and the building of communism] Tovarnoe proizvodstvo i stroitel'stvo kommunizma. Moskva, Ekonomika, 1964. 171 p.

[illegible], N. A. [Competition in socialist society, as shown by cases from White Russian industry] Sorevnovanie v sotsialisticheskom obshchestve; na primerakh promyshlennosti Belorussii. Minsk, Izd-vo "Vysshaia shkola," [illegible] 149 p.

[illegible], I. [illegible] [illegible] knizhnoe izd-vo, 1963. [illegible]

LYCHAGIN, V. A. [Comprehensive development of the industry of an economic region and labor resources] Kompleksnoe razvitie promyshlennosti ekonomicheskogo raiona i trudovye resursy. Moskva, Izd-vo "Mysl'," 1964. [illegible]

MAGOMEDOV, R. M. [Legends and facts; from the notebooks of an historian] Legendy i fakty; iz zapisnykh knizhek istorika. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1963. 142 p.

MAKOVSKII, D. P. [Development of commodity and monetary relations in the agriculture of the Russian state in the 16th century] Razvitie tovarno-denezhnykh otnoshenii v sel'skom khoziaistve Russkogo gosudarstva v XVI veke. Smolensk, Smolenskii gos. pedagog. in-t im. Karla Marksa, 1963. 558 p.

MALAKHOV, I. K. [Economics, organization, and planning of radio engineering enterprises] Ekonomika, organizatsiia i planirovanie radiotekhnicheskikh predpriiatii. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1963. 302 p.

[MANUAL FOR ACCOUNTING IN STATE COMMERCE] Spravochnik po bukhgalterskomu uchetu v gosudarstvennoi torgovle. Izd. 3., perer. Moskva, Ekonomika, 1964. 687 p.

MARGUS, MALEV. [Economic importance of Estonian forests] Eesti metsade rahvamajanduslikust tahtsusest. Tallinn, Eesti Riiklik Kirjastus, 1964. 31 p. [In Estonian]

MASHINSKII, I. A. [Calculation methods for determining the growth potential of labor productivity] Metody raschetov pri vyiavlenii rezervov rosta proizvoditel'nosti truda. Moskva, Ekonomika, 1964. 142 p. (V pomoshch' ekonomistu i planoviku)

MAZUROV, K. T. [Increase the effectiveness of social production] Povyshat' effektivnost' obshchestvennogo proizvodstva. Minsk, Izd-vo "Belarus'," 1964. 22 p.

MEL'NIKOV, V. G., and G. G. EGOROV. [The material and technological base of communism] Kommunizm materiial'nai-tekhnicheskei bazata. IAkutskai, Sakha sirineebi kinige izd-ta, 1962. 81 p. [In Yakut]

MEZGAILIS, BRUNO. [Population of Soviet Latvia] Padomju Latvijas iedzivotaji. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 127 p. [In Latvian]

MILLIONSHCHIKOV, A. D., and others. [Deductions from profit] Otchisleniia ot pribyli. Izd. 3., perer. i dop. Moskva, Izd-vo "Finansy," 1964. 182 p.

MOLCHANOV, A. N., IU. N. RAKHMANOV, and M. KH. LAPIDUS. [Crediting and payment in construction; a practical guide] Kreditovanie i raschety v stroitel'stve; prakticheskoe posobie. Moskva, Izd-vo "Finansy," 1964. 166 p.

MOLDAVIAN S. S. R. TSentral'noe statisticheskoe upravlenie. [National economy of the Moldavian S. S. R. in 1962; statistical abstract] Narodnoe khoziaistvo Moldavskoi SSR v 1962 godu; statisticheskii sbornik. Kishinev, Gosstatizdat, 1963. 383 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [From practice in the Party's guidance of the economy] Iz praktiki partiinogo rukovodstva khoziaistvom. Moskva, Izd-vo "Mysl'," 1964. 278 p.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Foreign trade of the U. S. S. R., 1946-1963] Vneshniaia torgovlia SSSR (1946-1963 gg.). Pod red. D. F. Fokina. Moskva, IMO, 1964. 189 p.

MOSCOW. UNIVERSITET. Kafedra istorii SSSR. [From the history of the laboring class and industry of the U. S. S. R.; papers of the Department's graduates] Iz istorii rabochego klassa i promyshlennosti SSSR; sbornik statei vypusknikov kafedry. [Moskva] Izd-vo Moskovskogo univ., 1964. 223 p.

MOSCOW. UNIVERSITET. Kafedra politicheskoi ekonomii estestvennykh fakultetov. [Communist means of production; a textbook on economics for the students of institutions of higher learning] Kommunisticheskii sposob proizvodstva; uchebno-metodicheskoe posobie po politicheskoi ekonomii dlia studentov vuzov. Pod red. P. A. Skipetrova. [Moskva] Izd-vo Mosk. univ., 1964. 189 p.

MOSCOW. VSESOIUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Criminalistics] Kriminalistika. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 543 p.

MUUR, HEIKI. [Management and planning in the national economy] Rahvamajanduse juhtimine ja planeerimine. Tallinn, Eesti Riiklik Kirjastus, 1964. 129 p. (Sotsialistlikult majanduselt kommunistlikule majandusele) [In Estonian]

[NATIONAL ECONOMY OF THE GEORGIAN S. S. R. IN 1961; statistical yearbook] Narodnoe khoziaistvo Gruzinskoi SSR v 1961 godu; statisticheskii ezhegodnik. Tbilisi, Gosstatizdat, 1963. 588 p.

[NATIONAL ECONOMY OF THE GEORGIAN S. S. R. IN 1962; statistical yearbook] Narodnoe khoziaistvo Gruzinskoi SSR v 1962 godu; statisticheskii ezhegodnik. Tbilisi, Gosstatizdat, 1963. 444 p.

[NORTHWESTERN R. S. F. S. R.; economic geography] Severo-Zapad RSFSR; ekonomiko-geograficheskaia kharakteristika. Moskva, "Mysl'," 1964. 649 p.

NOVRUZOV, T. A. [Labor exploits of the collective farm peasantry of Azerbaijan during the Great Patriotic War, 1941-1945] Trudovye podvigi kolkhoznogo krest'ianstva Azerbaidzhana v period Velikoi Otechestvennoi voiny (1941-1945 gg.) Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 101 p.

ORLOV, V. N. [A club of interesting meetings] Klub interesnykh vstrech. [Moskva] Mosk. rabochii, 1964. 66 p.

ORLOVSKII, I. A. [Wage planning in industry] Planirovanie zarabotnoi platy v promyshlennosti. Moskva, Ekonomika, 1964. 188 p.

OS'MOVA, M. N. [New trends in the economic relations of the member-countries of Comecon] Novye napravleniia ekonomicheskikh sviazei stran - uchastnits SEV. [Moskva] Izd-vo Mosk. univ., 1964. 58 p.

PAUPA, V. [Economic efficiency of new technology] Jaunas tehnikas ekonomiska efektivitate. Riga, Latvijas Valsts izd-ba, 1963. 150 p. [In Latvian]

PAVLENKO, D. M. [Organization of work and wages in prospecting work] Organizatsiia truda i zarabotnoi platy na gornorazvedochnykh rabotakh. Moskva, Gosgeoltekhizdat, 1963. 187 p.

PAVLOV, A. V., and V. V. SHKVARKO. [At the fighting front of chemistry] Na udarnom khimicheskom fronte. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 12)

PERVUSHIN, V. A. [The problem of the differentiation of public labor productivity] Problema differentsiatsii proizvoditel'nosti obshchestvennogo truda. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 247 p.

PETRAKOV, N. IA. [Profitability and price] Rentabel'nost' i tsena. Moskva, Izd-vo "Ekonomika," 1964. 171 p.

PLINER, M. D. [Reproduction of the labor force in U. S. S. R. industry] Vosproizvodstvo rabochei sily v promyshlennosti SSSR. [Leningrad] Izd-vo Leningr. univ., 1964. 114 p.

PLYSHEVSKII, B. P. [National income of the U. S. S. R. in the last 20 years] Natsional'nyi dokhod SSSR za 20 let. Moskva, "Mysl'," 1964. 189 p.

PODGAETS, Z. S., and A. A. SHOMSHTEIN. [Manual of material and technical procurement and production in industrial enterprises. Translated from the Russian] Rokasgramata rupniecibas uznemumu materiali tehniskai apgadei un produkcijas realizacijai. Riga, Latvijas izd-ba, 1964. 386 p. [In Latvian]

[PROBLEMS OF STATE INSURANCE; collection] Voprosy gosudarstvennogo strakhovaniia; sbornik statei. Moskva, Izd-vo "Finansy," 1964. 126 p.

[PROGRAM ON THE PRINCIPLES OF POLITICAL ECONOMY; for clubs of the political education system] Politines ekonomijos pagrindu programa; politinio svietimo sistemos rateliams. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 29 p. [In Lithuanian]

PROKOPAVICIUS, A. [The source of satisfaction] Dziaugsmo saltinis. Vilnius, Valstybine polit. ir mokslines lit-ros leidykla, 1963. 43 p. [In Lithuanian]

PRONIN, S. V. ["Democratic socialism" and the [illegible] of socialization through cooperatives in England] "Demokraticheskii sotsializm" i problema [illegible] noi sotsializatsii v Anglii. Moskva, [illegible] 1964. 204 p.

[THE PUBLIC IN THE FIGHT AGAINST LEGAL OFFENSES] Obshchestvennost' v bor'be s [illegible] niiami. [Irkutsk] Irkutskoe knizhnoe izd-vo, [illegible] 166 p.

PUIS, GRIGORII, and ARNOLD RAUD. [The crisis of world capitalism] Maailma kapitalismi kriis. Tallinn, Eesti Riiklik Kirjastus, 1964. [illegible] [In Estonian]

RADAEVA, Z. M. [Specialization and development of dairy husbandry on the state farms of the Latvian S. S. R. Translated from the Russian] [illegible] bas specializacija un attistiba Latvijas PSR padomju saimniecibas. Riga, Latvijas Valsts izd-ba, [illegible] 143 p. [In Latvian]

RIABUSHKIN, T. V. [Methods of statistical analysis in V. I. Lenin's works] Metody analiza statisticheskikh dannykh v rabotakh V. I. Lenina. Moskva, Statistika, 1964. 97 p.

RODRIGES, KHOSE, and S. I. VUL. [Training workers to be versatile] Formirovanie rabochikh [illegible] profilia. Moskva, Ekonomika, 1964. [illegible] p.

ROMANOVS, D. [From agricultural producer to the consumer] No lauksaimniecibas [illegible] retajam. Riga, Latvijas Valsts izd-ba, [illegible] [In Latvian]

ROZENTAL', E. M. [Man or ... the purse!] [illegible] ili ... koshelek! Moskva, Politizdat, [illegible] (Za dollarovym zanavesom)

RUSSIA (1917- R. S. F. S. R.) Ministerstvo [illegible] stva i zagotovok sel'skokhoziaistvennykh produktov. Upravlenie organizatsii truda i zarabotnoi platy. [Time norms and prices for the repair of agricultural machinery; manual for efficiency experts on state and collective farms] Normativy vremeni i rastsenki na remont sel'skokhoziaistvennoi tekhniki; posobie dlia normirovshchikov sovkhozov i kolkhozov. Moskva, Rossel'khozizdat, 1964. 335 p.

RUSSIA (1923- U. S. S. R.) Glavnoe passazhirskoe upravlenie. [Index to railroad passenger communications] Ukazatel' zheleznodorozhnykh passazhirskikh soobshchenii. Moskva, Izd-vo "Transport," [illegible] 743 p. map (insert)

RUSSIA (1923- U. S. S. R.) Ministerstvo finansov. [On the national budget of the U. S. S. R. for [illegible] and the carrying out of the national budget for 1962. Report and closing statement by V. F. Garbuzov, Deputy Finance Minister of the U. S. S. R., to the third session of the Sixth Supreme Soviet of the U. S. S. R., 16 and 19 December, 1963. Act of the Union of the Soviet Socialist Republics on the national budget of the U. S. S. R. for 1964-1965] O gosudarstvennom biudzhete SSSR na 1964-1965 gody i ob ispolnenii gosudarstvennogo biudzheta SSSR za 1962 god. Doklad i zakliuchitel'noe slovo Ministra finansov SSSR deputata V. F. Garbuzova na tret'ei sessii Verkhovnogo Soveta SSSR shestogo sozyva 16 i 19 dekabria 1963 g. Zakon Soiuza Sovetskikh Sotsialisticheskikh Respublik o gosudarstvennom biudzhete Soiuza Sovetskikh Sotsialisticheskikh Respublik na 1964-1965 gody. Moskva, Gosfinizdat, 1963. 39 p.

RUSSIA (1923- U. S. S. R.) TSentral'noe statisticheskoe upravlenie. [Industry of the U. S. S. R.; statistical abstract] Promyshlennost' SSSR; statisticheskii sbornik. Moskva, Izd-vo "Statistika," 1964. 491 p.

SALNAJA, MERSEDE. [Roof and sky; a description] Jumts un debesis; apraksts. Riga, Latvijas Valsts izd-ba, 1964. 179 p. (Stasti par darba cilvekiem) [In Latvian]

SAMOKHVALOV, S. I. [Intensification of the instability and decay of capitalism in the period of its overall crisis; an aid for correspondence and evening course students] Usilenie neustoichivosti i zagnivaniia kapitalizma v period ego obshchego krizisa; v pomoshch' studentam zaochnogo i vechernego obucheniia. [Podol'sk] Vysshaia shkola, 1964. 43 p.

SEPP, JAAN. [Correspondence between wages and the efficiency of labor in the agriculture of the Estonian S.S.R.] Tootasu vastavusest tootlikkusele Eesti NSV pollumajanduses. Tallinn, Eesti Riiklik Kirjastus, 1963. 100 p. [In Estonian]

SEPRE, OSKAR. [The bourgeois state of Estonia in the service of monopolies] Eesti kodanlik riik monopolide teenistuses. Tallinn, Eesti Riiklik Kirjastus, 1963. 186 p. [In Estonian]

SHIPILOV, M.A. [Housing problem under capitalism and socialism] Zhilishchnyi vopros pri kapitalizme i sotsializme. Moskva, Politizdat, 1964. 190 p.

SKOROKHODOV, S.A. [Developing credit for the domestic trade of the U.S.S.R.] Razvitie kreditovaniia vnutrennei torgovli SSSR. [Leningrad] Izd-vo Leningr. univ., 1964. 159 p.

SKOROKHODOV, V.D. [Railroad transportation in the system of expanded socialist reproduction] Zheleznodorozhnyi transport v sisteme rasshirennogo sotsialisticheskogo vosproizvodstva. Moskva, Izd-vo "Transport," 1964. 95 p.

SOBAKINSKIKH, V.I. [Comparative economic indexes on the development of the agriculture of the U.S.S.R. and the U.S.A.] Sopostavlenie ekonomicheskikh pokazatelei razvitiia sel'skogo khoziaistva SSSR i SShA. Moskva, "Mysl'," 1964. 149 p.

SOLOV'EV, A. [People above all] Pats galvenais - cilveki. [Riga, Latvijas Valsts izd-ba, 1964] 153 p. [In Latvian]

SOVESHCHANIE RABOTNIKOV SEL'SKOGO KHOZIAISTVA UZBEKISTANA, Tashkent, 1963. [Socialist pledges of the agricultural workers of Uzbekistan for 1963, the fifth year of the seven-year plan] Sotsialisticheskie obiazatel'stva truzhenikov sel'skogo khoziaistva Uzbekskoi SSR na 1963 god - piatyi god semiletki. Tashkent, Gos. izd-vo UzSSR, 1963. 43 p.

[STATISTICAL DICTIONARY; 1700 statistical terms in seven languages] Statisticheskii slovar'; 1700 statisticheskikh vyrazhenii na semi iazykakh. Budapest, Kozponti Statisztikai Hivatal, 1962. 171 p. [In 7 languages]

[STORY OF THE RED SCARF] Sarkana kakluata stasts. Riga, Latvijas Valsts izd-ba, 1963. 274 p. [In Latvian]

[THE TALK CONTINUES] Konelus jatkub. Tallinn, Eesti Riiklik Kirjastus, 1963. 105 p. [In Estonian]

TEICANS, J. [Power of the material stimulus; experience of the collective farms "Uzvara," "Adazi" and "Kekava" of the Production Administration of Riga in work organization, collective farm workers' payment and personal material interest] Materiala stimula speks; Rigas razosanas parvaldes kolhozu "Uzvara," "Adazi" un "Kekava" pieredze darba organizacija, kolhoznieku darba samaksa un materialaja ieinteresesana. Riga, Latvijas Valsts izd-ba, 1964. 78 p. [In Latvian]

[THANKS, HELSINKI!] Kiitos, Helsinki! Tallinn, Eesti Riiklik Kirjastus, 1964. 109 p. (chiefly illus.)

TIKHONOV, I.A. [Foundations of the foundations of socialism] Osnova osnov sotsializma. Moskva, Izd-vo "Znanie," 1964. 36 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 9)

[TIMETABLE FOR PASSENGER TRAINS (abbreviated); summer 1964] Raspisanie dvizheniia passazhirskikh poezdov (kratkoe); leto 1964 goda. Moskva, Izd-vo "Transport," 1964. 279 p. map (insert)

[TIMETABLE OF SUBURBAN TRAINS OF THE MOSCOW RAILROAD. MOSCOW - BALASHIKHA - NOGINSK - PETUSHKI. Summer 1964] Moskva - Balashikha - Noginsk - Petushki, Moskovskoi zh.d. Na leto 1964 g. Moskva, Izd-vo "Transport," 1964. 62 p.

[TIMETABLE OF SUBURBAN TRAINS OF THE MOSCOW RAILROAD. MOSCOW - KASHIRA - OZHERELYE. Summer 1964] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Kashira - Ozherel'e, Moskovskoi zh.d. Na leto 1964. Moskva, Izd-vo "Transport," 1964. 64 p.

[TO NEW ACHIEVEMENTS. Translated by E. Krumina and V. Kaniveca] Uz jauniem sasniegumiem. Riga, Latvijas Valsts izd-ba, 1963. 123 p. [In Latvian]

[TRADE UNION WORKER'S GUIDE; labor and wages, mass organizational work, labor safety, social insurance, housing and service industry problems, cultural and educational work, physical culture, sports, tourist activities, trade-union finance, bibliography on trade unions] Spravochnik profsoiuznogo rabotnika; trud i zarabotnaia plata, organizatsionno-massovaia rabota, okhrana truda, sotsial'noe strakhovanie, zhilishchno-bytovye voprosy, kul'turno-vospitatel'naia rabota, fizkul'tura, sport, turizm, financy profsoiuzov, literatura o profsoiuzakh. [Moskva] Profizdat, 1964. 559 p.

TSVETKOV, V.I. [How we conduct educational work] Kak u nas vedetsia vospitatel'naia rabota; zapiski predsedatelia zavkoma. [Moskva] Profizdat, 1964. 92 p. (Bibliotechka profsoiuznogo aktivista, no. 11(83))

TULUKOV, M.A., comp. [Russian-Japanese economic and foreign trade dictionary] Russko-iaponskii obshcheekonomicheskii i vneshnetorgovyi slovar'. Moskva, Vneshtorgizdat, 1964. 455 p.

TURCINS, JANIS. [Imbalance in the development of capitalism and its consequences] Neravnomernost' razvitiia kapitalizma i ee posledstviia. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 102 p.

TURK, VAMBOLA. [Why the productivity of labor should grow faster than wages] Miks tootlikkus peab kasvama kiiremini kui tootasu. Tallinn, Eesti Riiklik Kirjastus, 1963. 69 p. (Sotsialistlikult majanduselt kommunistlikule majandusele) [In Estonian]

TYSHKILOV, P.P. [The party organizations of Buryatia in the period of the rehabilitation of the country's national economy, 1921-1925] Partiinye organizatsii Buriatii v period vosstanovleniia narodnogo khoziaistva strany (1921-1925 gg.). Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 94 p.

UDACHIN, S.A. [Land resources of Russia] Zemel'nye bogatstva Rossii. Moskva, Sovetskaia Rossiia, 1963. 409 p. map (insert)

UDAL'TSOV, I.D., and F.IA. POLIANSKII, eds. [History of economic thought; a course of lectures] Istoriia ekonomicheskoi mysli; kurs lektsii. [Moskva] Izd-vo Mosk. univ.,
Pt. 2. Polianskii, F.IA., ed. 1964. 487 p.

URSUL, A.D. [Socialism and communism form the launching area for Soviet space vehicles. Sotsializm i kommunizm - startovaia ploshchadka sovetskikh kosmicheskikh korablei. Kishinev, "Kartia moldoveniaske," 1964] 109 p.

VALEV, E.B. [Rumania; a study of its economic geography] Rumyniia; ekonomiko-geograficheskii ocherk. Moskva, Geografiz, 1963. 110 p. (U karty mira)

VEITSMAN, N.R. [Balance sheet of an enterprise and the public] Balans predpriiatiia i obshchestvennost'. Moskva, Izd-vo "Finansy," 1964. 32 p.

VINOGRADOV, I.P. [For everybody as well as for yourself; labor productivity for society and the individual] Dlia vsekh i dlia sebia; proizvoditel'nost' truda - obshchestvu i kazhdomu. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 10)

VISHNIAKOV, G.G. [Role of the deputies of local soviets in the distribution of housing space] Uchastie deputatov mestnykh Sovetov v raspredelenii zhiloi ploshchadi. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 66 p.

VOLKOV, S.I., and M.M. RAPOPORT. [Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. Moskva, Izd-vo "Kolos," 1964. 319 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

VORYGIN, V.V., and B.IA. VERTKIN, comps. [Man is famed for his work; sketches of the people of the Kuban] Chelovek delom slavitsia; ocherki o liudiakh Kubani. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 162 p.
(MH)

VSESOIUZNYI LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI. [Statute of the All-Union Leninist Communist Youth League adopted by the 14th Congress of the Communist Youth League] Ustav; priniat XIV s''ezdom VLKSM. [Moskva] Molodaia gvardiia, 1964. 31 p.

WHITE RUSSIA. Statisticheskoe upravlenie. [The White Russian S.S.R. in figures; a brief statistical abstract] Belarusskaia SSR v tsifrakh; kratkii statisticheskii sbornik. Minsk, Gosstatizdat, Belorusskoe otd-nie, 1963. 283 p.

[THE YOUTH OF THE UKRAINE] IUnist' Ukrainy; fotoal'bom. Kyiv, Molod', 1963. 1 v. (chiefly illus.) [Text in 5 languages]

ZHARKOV, F.A. [Organization of work and material incentives for workers on state grain farms] Organizatsiia truda i material'noe pooshchrenie rabochikh zernovykh sovkhozov. Moskva, Izd-vo "Ekonomika," 1964. 68 p.

ZHUKOV, P.A., and V.I. GANSHTAK. [Bureaus of economic analysis staffed with volunteers in machinery manufacturing plants] Obshchestvennye biuro ekonomicheskogo analiza na mashinostroitel'nykh zavodakh. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1964. 137 p.

ZHULEV, V.I. [The public in the fight against highway accidents] Obshchestvennost' v bor'be s dorozhno-transportnymi proisshestviiami. Moskva, "IUridicheskaia literatura," 1964. 78 p.

ZORINA, D.IU. [How John Strachey "renovated" Marx; the antiscientific character of the principles of contemporary reformism] Kak Dzhon Strechi "obnovil" Marksa; antinauchnost' osnov sovremennogo reformizma. Moskva, Ekonomika, 1964. 108 p.

ZOTOV, I.S., and others. [Economic analysis of projects of machine manufacturing plants] Ekonomicheskoe obosnovanie proektov mashinostroitel'nykh zavodov. Moskva, Izd-vo "Mashinostroenie," 1964. 308 p.

6. POLITICAL SCIENCE

[ADMINISTRATIVE-TERRITORIAL DIVISION OF THE R.S.F.S.R. AS OF JANUARY 1, 1964] Administrativno-territorial'noe delenie RSFSR na 1 ianvaria 1964. goda. Moskva, Izvestiia, 1964. 454 p.

AKHUNDOV, V.IU. [Report of the Central Committee of the Communist Party of Azerbaijan to the 26th Congress of the Communist Party of Azerbaijan, January 9, 1964] Azerbaichan Kommunist Partiiasynyn XXVI gurultaiyna Azerbaichan KP MK-nyn hesabat me'ruzesi 9 ianvar 1964-chu il. Baky, Azerneshr, 1964. 76 p. [In Azerbaijani]

BILOUSOV, M.M. [For peace and international security; the foreign policy of the Ukrainian S.S.R. from 1959-1963] Za myr i zahal'nu bezpeku; zovnishn'opolitychna diial'nist' Ukrains'koi RSR v 1959-1963 rr. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1964. 48 p. (Ukraina na mizhnarodnii areni)

BOVIN, A.E. [State and communism; an aid for students of correspondence and evening courses, who are studying the materials of the 22nd Congress of the CPSU] Gosudarstvo i kommunizm; v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s''ezda KPSS. [n.p.] Rosvuzizdat, 1963. 61 p.

[BY VIRTUE OF PUBLIC PARTICIPATION] Silami obshchestvennosti. Riga, Latviiskoe gos. izd-vo, 1964. 11 p.

CHERNIKOV, D.A. [Ghana builds and struggles] Gana stroit i boretsia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 9)

[A DELEGATE'S NOTEBOOK] Rahvasaadiku meelespea. Tallinn, Eesti Riiklik Kirjastus, 1962. 69 p. [In Estonian]

DZHANDILDIN, D. N. [Communism and the development of national relations] Kommunizm i razvitie natsional'nykh otnoshenii. Moskva, Izd-vo "Mysl'," 1964. 301 p.

DZHANGVELADZE, G. A. [Criticism of the bourgeois falsifiers of the CPSU's nationality policy] Kritika burzhuaznykh fal'sifikatorov natsional'noi politiki KPSS. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 91 p.

EESTIMAA KOMMUNISTLIK PARTEI. Keskkomitee. Partei Ajaloo Instituut. [Historical review of the Estonian Communist Party] Ulevaade Eestimaa Kommunistliku Partei ajaloost. Tolmetanud A. Panksejev, M. Pesti. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]

Pt. 2. [The years 1920-1940] Aastad 1920-1940. 1963. 406 p. illus.

[FOR UNITY OF THE INTERNATIONAL COMMUNIST MOVEMENT; documents and materials] Za splochennost' mezhdunarodnogo kommunisticheskogo dvizheniia; dokumenty i materialy. Moskva, Politizdat, 1964. 268 p.

FRUNZE. INSTITUT ISTORII PARTII. [Increase and control of the membership of the Communist Party of Kirghizia, 1918-1962; documents and materials] Rost i regulirovanie sostava Kommunisticheskoi partii Kirgizii 1918-1962 gg.; sbornik dokumentov i materialov. Frunze, Kirgizskoe gos. izd-vo, 1963. 280 p.
(CSt-H)

GAFUROVA, N. [History of the Communist Party of Tajikistan, 1924-1929] K istorii Kompartii Tadzhikistana (1924-1929 gg.) Dushanbe, Tadzhikgosizdat, 1963. 148 p.

[MICROFILM]

GAVRILOV, B. A. [In unity lies the strength of the Communists] V edinstve - sila kommunistov. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 12)

GUREVICH, V. IA. [The Communist Party of the Soviet Union as organizer of the large-scale building of communism] KPSS - organizator razvernutogo stroitel'stva kommunizma. Moskva, Politizdat, 1964. 62 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

[INDISSOLUBLE FRIENDSHIP AND BROTHERHOOD; the visit of Ahmed Ben Bella, President of the Algerian People's Democratic Republic and Secretary General of the Algerian National Liberation Front Party in the U. S. S. R., from April 25 to May 7, 1964] Nerushimaia druzhba i bratstvo; prebyvanie Prezidenta Alzhirskoi Narodnoi Demokraticheskoi Respubliki, General'nogo sekretaria partii Front natsional'nogo osvobozhdeniia Alzhira Akhmeda Ben Belly v SSSR, 25 aprelia-7 maia 1964 goda. Moskva, Politizdat, 1964. 150 p.

IVASHCHENKOV, P. D. [Leninist style in party work and state administration] Leninskii stil' v partiinoi i gosudarstvennoi rabote. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 51 p.

KHRUSHCHEV, N. S. [For the victory of reason over the forces of war!] K pobede razuma nad silami voiny! Moskva, Politizdat, 1964. 431 p.

KIEV. INSTYTUT ISTORII PARTII. [Outline history of the Communist Party of the Ukraine] Narysy istorii Komunistychnoi partii Ukrainy. Vyd. 2., dop. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1964. 695 p.

KIRSPUU, ARVED. [The delegate's right of interpellation] Rahvasaadiku arupärimisõigus. Tallinn, Eesti Riiklik Kirjastus, 1962. 29 p. [In Estonian]

KNIAZHINSKII, V. B. [Western Europe and the problem of peaceful coexistence] Zapadnaia Evropa i problema mirnogo sosushchestvovaniia. Moskva, Sotsekgiz, 1963. 285 p.

KOLOSKOV, I. A. [Foreign policy of contemporary France] Vneshniaia politika sovremennoi Frantsii. Moskva, Izd-vo "Mysl'," 1964. 362 p.

KOTOK, V. F. [Congresses and conferences of workers as a form of direct democracy in the U. S. S. R.] S"ezdy i soveshchaniia trudiashchikhsia—forma neposredstvennoi demokratii v SSSR. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 102 p.

KRAVCHENKO, A. S. [The foundations of our Party; discussions on the primary organizations of the CPSU] Osnova nashei partii; besedy o pervichnykh organizatsiiakh KPSS. [Moskva] Mosk. rabochii, 1964. 367 p.

KUUSINEN, O. V. [Speech at the February 1964 Plenum of the Central Committee of the CPSU] Rech' na Fevral'skom (1964 g.) Plenume TsK KPSS. Moskva, Politizdat, 1964. 13 p.

LOPAJEVAS, S. [Ideological and organizational growth of the Lithuanian Communist Party, 1919-1924] Lietuvos Komunistu partijos idejinis ir organizacinis stiprejimas (1919-1924). Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 108 p. [In Lithuanian]

[MARXISM-LENINISM AS THE INTERNATIONAL DOCTRINE OF THE COMMUNISTS OF ALL COUNTRIES] Marksizm-leninizm - internatsional'noe uchenie kommunistov vsekh stran. Moskva, Izd-vo "Pravda," 1964. 31 p.

MATVEEV, V. A., and V. A. RYZHIKOV. [Where is John Bull going; present-day England as seen by Soviet newsmen] Kuda idet Dzhon Bul'; Angliia nashikh dnei glazami sovetskikh zhurnalistov. Moskva, IMO, 1964. 302 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Against falsification of the history of the CPSU] Protiv fal'sifikatsii istorii KPSS. Moskva, Izd-vo "Mysl'," 1964. 238 p.

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAIA BIBLIOTEKA. [The ideological work of the CPSU is a mighty weapon in the struggle for communism; index of recommended literature to aid in propagandizing the Resolutions of the June, 1963 Plenum of the Central Committee of the Communist Party of the Soviet Union] Ideologicheskaia rabota KPSS - moguchee oruzhie v bor'be za kommunizm; rekomendatel'nyi ukazatel' literatury v pomoshch' propagande reshenii iiun'skogo (1963 g.) Plenuma TsK KPSS. Moskva, Izd-vo "Kniga," 1964. 169 p.

MOSCOW. ZAOCHNAIA VYSSHAIA PARTIINAIA SHKOLA. [The international communist, workers' and national liberation movement from 1939 to 1962; a methodological textbook] Mezhdunarodnoe kommunisticheskoe, rabochee i natsional'no-osvoboditel'noe dvizhenie v 1939-1962 godakh; uchebno-metodicheskoe posobie. Moskva, Izd-vo VPSh i AON pri TsK KPSS.

No. 3. [The communist and workers' movement in the imperialist countries in the postwar years] Kommunisticheskoe i rabochee dvizhenie v imperialisticheskikh stranakh v poslevoennye gody. 1962. 108 p.

NESMELOV, O. V. [What kind of peaceful coexistence do the ideologists of imperialism want?] Kakogo mirnogo sosushchestvovaniia khotiat ideologi imperializma? Moskva, Izd-vo "Mysl'," 1964. 100 p.

[OUR GOAL IS COMMUNISM AND PEACE; sojourn of the Soviet party and government delegation led by Comrade N. S. Khrushchev, First Secretary of the Central Committee of the Communist Party of the Soviet Union and the Chairman of the Council of Ministers of the U. S. S. R., in the Hungarian People's Republic, March 31 to April 10, 1964] Nasha tsel'-kommunizm i mir; prebyvanie sovetskoi partiino-pravitel'stvennoi delegatsii vo glave s Pervym sekretarem TSentral'nogo Komiteta Kommunisticheskoi partii Sovetskogo Soiuza, Predstavitelem Soveta Ministrov SSSR tovarishchem N. S. Khrushchevym v Vengerskoi Narodnoi Respublike, 31 marta-10 aprelia 1964 goda. Moskva, Politizdat, 1964. 213 p.

[THE PARTY'S FIGHTING HELPERS; work of the organs of Party and state control] Partei aktiivsed abilised. Eesti NSV partei- ja riigikontrolli organite tegevusest. Tallinn, Eesti Riiklik Kirjastus, [illegible] 121 p. [In Estonian]

PECHORKIN, V. K. [Peace is the principal thing; problems of war and peace in our day] Mir - glavnoe; problemy voiny i mira v sovremennuiu epokhu. Moskva Izd-vo "Nauka," 1964. 127 p. (Nauchno-populiarnaia seriia)

SANAKOEV, SH. P. [Great commonwealth of free and sovereign peoples] Velikoe sodruzhestvo svobodnykh suverennykh narodov. Moskva, Izd-vo "Nauka," 1964. 180 p. (Nauchno-populiarnaia seriia)

SHCHERBIN, M. A. [Anticommunism as an ideological and political weapon of imperialism] Antykomunizm - ideino-politychna zbroia imperializmu. Kyiv, Derzhpolitvydav URSR, 1963. 61 p. (Osnovy naukovoho komunizmu)

UKRAINE. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Ukrainian S. S. R., second session, July 17-18, 1963; verbatim report] Zasidannia Verkhovnoi Rady Ukrains'koi RSR, shostoho sklykannia; druha sesiia (17-18 lypnia 1963 roku). Stenografichnyi zvit. Kyiv, Derzhpolitvydav, URSR, 1963. 101 p.

VILDZIUNAS, V. [Clenched fists; memoirs] [illegible] kumsciai; atsiminimai. Vilnius, Valstybine [illegible] lit-ros leidykla, 1964. 205 p. [In Lithuanian]

VISKOV, S. I. [For peace without armament, for peace without wars; foreign policy of the U. S. S. R., 1956-1963] Za mir bez oruzhiia, za mir bez voin; vneshniaia politika SSSR, 1956-1963 gg. Moskva, "Mysl'," 1964. 175 p.

ZORIN, V. A., ed. [New stage of U. S. S. R. foreign policy; textbook] Vneshniaia politika SSSR na novom etape; uchebnoe posobie. Moskva, Politizdat, 1964. 286 p.

7. LAW

ABZHANOV, KUBEN. [Labor contract in Soviet law] Trudovoi dogovor po sovetskomu pravu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. [illegible]

ANDREEV, V. S. [Problems of Soviet labor law in the light of the decisions of the 22d Congress of the CPSU; textbook for students of the All-Union Law Correspondence Institute] Voprosy sovetskogo trudovogo prava v svete reshenii XXII s"ezda KPSS; uchebnoe posobie dlia studentov VIuZI. Moskva, Vses. iurid. zaochnyi in-t, 1962. 34 p.

[COLLECTION OF LEADING MATERIALS ON ACCOUNTING] Raamatupidamise juhendmaterjalide kogumik. Tallinn, Eesti NSV Rahvamajanduse Noukogude Tehnilise Informatsiooni Keskbüroo, 1964. 705 p. [In Estonian]

DELEON, A. [The Yugoslav Constitution; what does it guarantee and to what does it commit. Translated from the Serbian] IUgoslavskaia Konstitutsiia: chto obezpechivaet k chemu obiazyvaet. Belgrade, Izd. red. zhurnala "IUgoslavskie profsoiuzy," [illegible]

DOMAKHIN, S. A., and A. I. SANTALOV. [Criminal law in questions; textbook for students] Sbornik zadach po ugolovnomu pravu; uchebnoe posobie dlia studentov. Moskva, Izd-vo "IUridicheskaia literatura," 1964 230 p.

ESTONIAN S. S. R. Ulemnoukogu. Presiidium. [Fundamental law on comrades courts of the Estonian S. S. R. Official text with amendments made by the Presidium of the Supreme Soviet of the Estonian S. S. R. by the law of February 29, 1964 (Eesti NSV UN Teataja 1964, no. 10, art. 54)] Eesti NSV seltsimeheliku kohtute pohimaarus. Ametlik tekst muudatustega, mis on tehtud Eesti NSV Ulemnoukogu Presiidiumi 1964. a. 20. veebruari seadlusega (Eesti NSV UN Teataja 1964, nr. 10, art. 54). Tallinn, Eesti Riiklik Kirjastus, 1964. 37 p. [In Estonian and Russian]

FLEISHITS, E. A., ed. [Patent laws of foreign countries] Patentnoe zakonodatel'stvo zarubezhnykh stran. Moskva, Izd-vo "Progress," 1964. 680 p.

GRADE, DEPSAR, [illegible] Tallinn, [illegible] 1964. 111 p. [In Estonian]

IVANOV, [illegible] 1964. [illegible] p.

IVANOV, [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Laws on housing and housing construction] Zhilishchnoe i zhilishchno-stroitel'noe zakonodatel'stvo. Pod red. [illegible] Kiev, [illegible] 1963. [illegible] p.

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Supplements and changes in traffic regulations on streets and roads of the U.S.S.R. In effect from March 20, 1963, within the limits of the city of Moscow by decision of the Moscow City Committee, No. 10/10 of March 12, 1963. Street signs (according to state standardization, [illegible]) in effect from July 1, 1963] Dopolnenie i izmeneniia k pravilam dvizheniia po ulitsam i dorogam SSSR. Vvedeny v deistvie s 20 marta [illegible] Moskva, [illegible] 1963. 15 p.

RUSSIA (1923- U.S.S.R.) [illegible] [Fundamentals of Soviet civil law; [illegible]] [illegible] Moskva, [illegible] 1963. [illegible] p.

RUSSIA (1923- U.S.S.R.) [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [Civil law problems in the light of the decisions of the XXII Congress of the CPSU] Voprosy grazhdanskogo prava v svete reshenii XXII s"ezda KPSS. [illegible] 1964. [illegible] p.

[illegible] [Preparation of the court reform of November 20, 1864 in Russia] Podgotovka sudebnoi reformy 20 noiabria 1864 goda v Rossii. [illegible] 1963. [illegible] p.

6. EDUCATION

[ADMISSION RULES AND PROGRAMS FOR STUDENTS ENTERING INSTITUTIONS OF HIGHER LEARNING OF THE U.S.S.R. IN 1964] Pravila priema i programmy dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1964 godu. Moskva, Vysshaia shkola, 1964. 41 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Teaching reading and writing in a kindergarten; working in a preparatory group of a kindergarten] Obuchenie gramote v detskom sadu; iz opyta raboty v podgotovitel'noi gruppe detskogo sada. Pod red. A.I. Voskresenskoi. Moskva, 1963. 161 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut defektologii. [Educational work in schools for the blind] Vospitatel'naia rabota v shkole slepykh. Pod red. [illegible] Moskva, Prosveshchenie, 1964. 57 p. (Pedagogicheskie chteniia)

BAZHENOV, D., and N. KISELEV. [The sun is shining for us] Solntse svetit dlia nas. Moskva, Izd-vo "Pravda," 1964. 70 p. (Biblioteka "Komsomol'skoi pravdy," no. 9)

[illegible] [Ways to develop compulsory education in the Ukraine] Puti razvitiia vseobshchego obrazovaniia na Ukraine. Kiev, "Radians'ka shkola," 1963. 134 p.

[illegible] Riga, Latvijas Valsts izd., 1964. 1 v. (chiefly illus.) [In Latvian]

[illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] Moskva, Izd-vo "Pravda," 1964. [illegible] p.

[illegible] Tallinn, [illegible] 1964. [illegible] p. [In Estonian]

[illegible] Tallinn, 1964. [illegible] p. [In Estonian]

[illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] Moskva, Fizkul'tura i sport, 1964. 48 p. (Sport - detiam)

KRASNOSEL'SKII, G. L., comp. [Medical control of physical education in the school, a brief manual for school physicians] Vrachebnyi kontrol' za fizicheskim vospitaniem v shkole; kratkoe posobie dlia shkol'nykh vrachei. Moskva, Meditsina, 1964. 211 p.

[illegible] A. D. [illegible] Moskva, Fizkul'tura i sport, 1964. 39 p. (Sport - detiam)

[illegible] comp. [Sports in Estonia] Sport Eestis. Tallinn, [illegible] 1963. 1 v. (chiefly illus.) [In Estonian]

LATVIAN S.S.R. Izglitibas ministrija. [Instruction on the transfer of students to the next grade and the conduct of graduation exercises in the general schools of the Latvian S.S.R.] Instruktsiia o poriadke perevoda uchashchikhsia v sleduiushchie klassy i provedenii vypusknykh ekzamenov v obshcheobrazovatel'nykh shkolakh Latviiskoi SSR. Riga, Latviiskoe gos. izd-vo, 1963. 49 p.

LENINGRAD. UNIVERSITET. [Training and teaching problems at the universities] Voprosy vospitaniia i prepodavaniia v univeristete; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1964. 138 p.

LEVSHIN, L.A. [Parents ask for advice] Roditeli prosiat soveta. Moskva, Izd-vo "Znanie," 1964. 45 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no. 3)

MANDRE, J., ed. [Swimming; from antiquity to our day] Ujumine; minevikust tanapaevani. [By] K. Arusoo ja teised. Tallinn, Eesti Riiklik Kirjastus, 1963. 472 p. illus. [In Estonian]

MATVEEV, L.P. [The problem of the periodic division of sports training] Problema periodizatsii sportivnoi trenirovki. Moskva, Fizkul'tura i sport, 1964. 246 p.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT TIPOVOGO I EKSPERIMENTAL'NOGO PROEKTIROVANIIA SHKOL, DOSHKOL'NYKH UCHREZHDENII, SREDNIKH I VYSSHIKH UCHEBNYKH ZAVEDENII. [Schools and boarding schools] Shkoly i shkoly-internaty. [By] A.K. Chaldymov i dr. Moskva, Stroiizdat, 1964. 129 p.

MOSCOW. UNIVERSITET. [Handbook for students entering Moscow University] Spravochnik dlia postupaiushchikh v Moskovskii universitet. Pod red. K.I. Ivanova. [Moskva] Izd-vo Mosk. univ., 1964. 181 p.

NAGORNYI, V.E. [From below the clouds on skis] Na lyzhakh iz-pod oblakov. Moskva, Fizkul'tura i sport, 1964. 95 p. (Sport - detiam)

NETTO, I.A. [This is soccer] Eto - futbol! Moskva, Fizkul'tura i sport, 1964. 189 p.

[OLDEST FRIEND; a collection of sketches] Starshii drug; sbornik ocherkov. [Moskva] Molodaia gvardiia, 1964. 109 p.

PEVZNER, V.R. [Motion pictures in sports training] Kino v sportivnoi trenirovke. Riga, Latviiskoe gos. izd-vo, 1963. 149 p.

[PIONEERS IN THE VANGUARD OF ATHLETES IN SCHOOL] Pionieri - fizkulturiesu avangards skola. Riga, Latvijas Valsts izd-ba, 1963. 324 p. [In Latvian]

POLIKANIN, E.I., and G.A. CHERNEV. [Modern winter dual contests; a manual for trainers] Sovremennoe zimnee dvoebor'e; uchebnoe posobie dlia trenerov. Moskva, Fizkul'tura i sport, 1964. 142 p.

[PROGRAMS OF EIGHT-YEAR SCHOOLS; geography] Sekizyllyk mekdebin programmasy; geografiia. V-VIII klaslar uchin. Ashgabat, Turkmenistan Dovlet Okuv-pedagogik Neshiriaty, 1963. 56 p. [In Turkmen]

[PROGRAMS OF EIGHT-YEAR SCHOOLS; work training and socially useful work] Maktab programmalari; sakkiz illik maktablar uchun. Mekhnat tablimi va izhtimoii foidali mekhnat. Toshkent, "Urta va olii maktab," 1963. 85 p. [In Uzbek]

SEMICHEV, A.S. [Physical education medal] Fizkul'turnyi orden. Moskva, "Fizkul'tura i sport," 1964. 46 p. (Sport - detiam)

[TECHNICAL SCHOOLS OF LENINGRAD; handbook for students registering in 1964] Tekhnikumy i uchilishcha Leningrada; spravochnik dlia postupaiushchikh v 1964 g. [Leningrad] Lenizdat, 1964. 177 p.

TITOV, A.D. [Swimming] Suvda iuzmegin usullary. Ashgabat, Turkmenistan Dovlet Neshririaty, 1963. 51 p. [In Turkmen]

TRAHTMAN, J. [The way to health] Teel tervisele. Tartu, Vabariiklik Sanitaarhariduse Maja, 1964. 133 p. [In Estonian]

UZBEK S.S.R. Ministerstvo prosveshcheniia. [Programs for the eight-year schools: Chemistry] Sakkis iillik maktablar uchun: Khimiia. Toshkent, "Urta va olii maktab," 1963. 18 p. [In Uzbek]

VARDANIAN, K.N., and A.A. LALAIAN. [Essays on the psychology of basketball] Ocherki po psikhologii basketbola. Moskva, Fizkul'tura i sport, 1964. 76 p.

VOLKOV, K.N. [What are you going to be, man? Life in the school Communist Youth League] Kakim ty budesh', chelovek?; zhizn' shkol'nogo komsomola. Moskva, Izd-vo "Znanie," 1964. 111 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no. 2)

VYGODSKAIA, G.L., and B.D. KORSUNSKAIA, eds. [Development of speech in deaf preschool children; work according to the new program] Formirovanie rechi u glukhikh doshkol'nikov; iz opyta raboty po novoi programme. Moskva, Prosveshchenie, 1964. 86 p. (Pedagogicheskie chteniia)

[WORK OF PARTY ORGANIZATIONS IN SCHOOLS] Koolide parteiorganisatsioonide tookogemusi; artiklite kogumik. Tallinn, Eesti Riiklik Kirjastus, 1963. 240 p. [In Estonian]

ZHURAKOVSKII, G.E. [Essays on the history of pedagogy in antiquity] Ocherki po istorii antichnoi pedagogiki. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 509 p.

ZHURALEV, E.P. [Everyday gymnastics for men] Ezhednevnaia gimnastika dlia muzhchin. 8., perer. i dop. izd. Moskva, Fizkul'tura i sport," 1964. 97 p. (Gimnastika dlia vsekh)

ZIKEEV, A.G., K.G. KOROVIN, and L.I. TIGRANOVA, eds. [Teaching children with defective hearing] Opyt obucheniia slaboslyshashchikh detei. Moskva, Prosveshchenie, 1964. 54 p. (Pedagogicheskie chteniia)

9. MUSIC, THEATER & MOTION PICTURES

ANGARSKII, V.M., and A.V. VIKTOROV. Oleg Popov. Moskva, Iskusstvo, 1964. 133 p. illus.

[ART EXPERTS RENDER ADVICE] Mastera iskusstva sovetuiut. Moskva, Sovetskaia Rossiia, 1964. 80 p. (V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 9)

BABKINA, M.P., and S.I. POTABENKO. [Folk theater in India] Narodnyi teatr Indii. Moskva, Izd-vo "Nauka," 1964. 165 p.

[DMITRII NIKOLAEVICH ORLOV; a book about his work] Dmitrii Nikolaevich Orlov; kniga o tvorchestve. [Moskva, Vserossiiskoe teatral'noe ob-vo, 1962] 311 p.

EICHE, A., comp. [Five dances] Viis tantsu. Tallinn, Eesti NSV Rahvaloomingu Maja. [In Estonian]
Pt. 3. 1963. 73 p.

ERENGROSS, B.A. [The artist in the theater] Khudozhnik v teatre. Moskva, Vserossiiskoe teatral'noe ob-vo, 1962. 93 p.

GIVENTAL', I.A. [S. Rachmaninoff's opera "Aleko"] Opera "Aleko" S. Rakhmaninova. Moskva, Muzgiz, 1963. 65 p. (V pomoshch' pedagogu-muzykantu)

GOL'DENSHTEIN, M.L. [Sketches from the history of the pioneer song] Ocherki iz istorii pionerskoi pesni. Leningrad, Sovetskii kompozitor, 1963. 95 p.

HAKKEBUSH, V.V. [Encounters with foreign theaters] Zustrichi z zarubizhnymy teatramy. Kyiv, "Mystetstvo," 1964. 153 p.

IURENEV, R.N. [The comic on the screen] Smeshnoe na ekrane. Moskva, Iskusstvo, 1964. 205 p.

IVALO, R. [Let's talk about a symphony orchestra] Vestelgem sumfooniaorkestrist. Tallinn, Eesti Riiklik Kirjastus, 1963. 67 p. (Kultuuriulikool) [In Estonian]

KAINAIZIS, V. Alfreds Videnieks. Riga, Latvijas PSR kinematografijas darbinieku savieniba, 1963. 14 p. (Padomju Latvijas kino aktieri) [Parallel text in Latvian and Russian]

KANN-NOVIKOVA, E.I. [Stories about songs; "In the middle of a level valley..."] Rasskazy o pesniakh; "Sredi doliny rovnyia..." Moskva, Muzgiz, 1963. 92 p.

KARMANOV, P.I. [The 175th anniversary of the A.V. Lunacharskii Theater in Tambov] Tambovskomu dramaticheskomu teatru im. A.V. Lunacharskogo — 175 let. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 53 p.

KARP, P.M., and S.IA. LEVIN. ["Stone flower" by S.S. Prokof'ev] "Kamennyi tsvetok" S.S. Prokof'eva. Pod red. IU. Slonimskogo. Leningrad, Muzgiz, 1963. 52 p. (Sokrovishcha sovetskogo baletnogo teatra)

KHENTOVA, S.M. [Story about the "Moonlight Sonata", L. Beethoven's Sonata, Op. 27, No. 2, and its performers] Rasskaz o "Lunnoi sonate"; sonata L. Betkhovena soch. 27 No. 2, i ee ispolniteli. Leningrad, Muzgiz, 1961. 59 p. (Biblioteka muzykal'nogo samoobrazovaniia)

KLINCHIN, A.P. Mikhail Semenovich Shchepkin. Moskva, Iskusstvo, 1964. 105 p. illus.

KOGAN, P.P. [Together with musicians] Vmeste s muzykantami. Moskva, Muzyka, 1964. 215 p.

KORVITS, HARRI. Eugen Kapp. Tallinn, Eesti Riiklik Kirjastus, 1964. 93 p. (Eesti heliloojaid) [In Estonian]

LEICHTER, KARL. Mart Saar. Tallinn, Eesti Riiklik Kirjastus, 1964. 144 p. (Eesti heliloojaid) [In Estonian]

[LENIN IS WITH US; songs, verse and stories for children of secondary school age] Lenin s nami; pesni, stikhi i rasskazy dlia detei srednego shkol'nogo vozrasta. Izd. 2., dop. Moskva, Muzyka, 1964. 67 p.

LEONT'EVA, O.T. [Carl Orff] Karl Orf. Moskva, Muzyka, 1964. 159 p.

LESMAN, I.A. [Essays on the method of teaching violin playing] Ocherki po metodike obucheniia igre na skripke. Vstup. stat'ia, sost. obshchaia red., dop. i primechaniia M. Bloka. Moskva, Muzgiz, 1964. 270 p.

LOBACHEVA, E.A. [The chorus and choral conducting; what a leader of an amateur chorus should know] Khor i khorovedenie; chto nuzhno znat' rukovoditeliu samodeiatel'nogo khora. Moskva, Muzyka, 1964. 60 p. (V pomoshch' rukovoditeliam khudozhestvennoi samodeiatel'nosti i prepodavateliam muzyki v obshcheobrazovatel'nykh shkolakh)

MAR'IANENKO, I.O. [The stage, actors, and roles] Stsena, aktory, roli. Kyiv, Mystetstvo, 1964. 288 p.

[MODERNITY IN THE DANCE] Sovremennost' v tantse. Moskva, Iskusstvo, 1964. 107 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 7)

MOSCOW. GOSUDARSTVENNYI MUZYKAL'NO-PEDAGOGICHESKII INSTITUT. Kafedra istorii muzyki. [Soviet musical literature] Sovetskaia muzykal'naia literatura. Moskva, Muzgiz.
No. 1. 1963. 446 p.

MOSCOW. GOSUDARSTVENNYI TSENTRAL'NYI MUZEI MUZYKAL'NOI KUL'TURY. [Autographs of A. N. Skriabin [illegible] in the collection of the Glinka State Central Museum of Musical Culture; a reference catalog] Avtografy A. N. Skriabina [illegible] katalog-spravochnik. Moskva, [illegible], 1962. 47 p.

[MUSIC [illegible] AMERICA] [illegible] Moskva, [illegible], 1964. 344 p. illus.

[MUSIC [illegible]] [illegible] Moskva, Muzyka, 1963. 479 p.

[illegible] Moskva, Muzyka, 1964. 174 p.

[illegible], and [illegible] [illegible] Tallinn, Eesti Raamat, 1963. [illegible] [In Estonian]

[illegible], V. A. [illegible] Leningrad, Moskva, 1964. 113 p. [illegible]

[illegible] Moskva, Muzyka, 1963. 47 p. [illegible]

PAL, [illegible] Moskva, [illegible] 1963. 43 p.

PETROVA, [illegible] [Music of Soviet [illegible]] [illegible] 1964. 63 p. [illegible]

[illegible] Leningrad, [illegible] 1963. 155 p.

RAPPOPORT, [illegible] Moskva, Muzyka, 1963. 103 p.

[illegible], and [illegible] [illegible] 1963. 72 p.

[illegible] Riga, Latvijas PSR [illegible] 1962. 58 p. [illegible] [In Latvian and Russian]

RUBTSOV, F. A. [Fundamentals of the scale structure of Russian folk songs] Osnovy ladovogo stroeniia russkikh narodnykh pesen. Leningrad, Muzyka, 1964. 94 p.

RUDMAN, M. S. [Formation of the equal-tempered system] [illegible] Moskva, Muzyka, 1964. 110 p. [illegible]

[illegible], L. M. [Stage studies] [illegible] Moskva, Iskusstvo, 1964. 109 p. [illegible]

[illegible], G. M. [About living and dead] O zhivykh i mertvykh. [illegible] Moskva, Muzyka, 1964. 458 p.

SMOL'SKII, B. S. [White Russian musical theater] Belorusskii muzykal'nyi teatr. Minsk, Izd-vo "Nauka i tekhnika," 1963. 345 p.

[illegible], A. S. [illegible] Moskva, Muzyka, 1964. 269 p.

[Song Book] Pesennik. Moskva, Voenizdat, 1964. 110 p.

[illegible] Moskva, Izvestiia, 1963. 220 p.

[illegible] Moskva, [illegible], 1963. 125 p.

[illegible], J. [illegible] Vilnius, Valstybinė grožinės literatūros leidykla, 1963. 227 p. [In Lithuanian]

[illegible] 1962-1963 [illegible] 1963. 63 p. illus. [In Latvian]

[THEATERS OF SOVIET LATVIA] Padomju Latvijas teatri. [Riga, Latvijas PSR [illegible] izdevniecība, 1962] 1 v. (chiefly illus.) [In Latvian]

[illegible], and [illegible] [illegible] (1959-1962) [illegible] Moskva, [illegible], 1963. [illegible]

[illegible] Tallinn, Eesti Raamat, 1963. [illegible] [In Estonian]

[illegible], M. V. [illegible] Moskva, [illegible], 1963. 103 p.

[illegible], V. M. [illegible] Leningrad, [illegible], 1964. 31 p.

[illegible], M. S. [illegible] [illegible] 1963. [illegible]

[illegible] [Guide to the P. I. Tchaikovsky Museum in Votkinsk] [illegible] Izhevsk, Udmurtskoe knizhnoe izd-vo, 1963. 55 p.

[illegible] [illegible] Moskva, Iskusstvo, 1963. 143 p.

[WHEN THE FILM HAS BEEN COMPLETED. "Mosfil'm" production [illegible]] [illegible] Moskva, Iskusstvo, 1964. 143 p. illus.

10. FINE ARTS

[illegible], S. [Monuments tell a story] [illegible] Ashkhabad, [illegible], 1963. 35 p. [In Turkmen]

AKADEMIIA KHUDOZHESTV, Leningrad. [Exhibition of works by young artists: painting, sculpture, graphic arts. A catalog] Vystavka proizvedenii molodykh khudozhnikov: zhivopis', skul'ptura, grafika. Katalog. Moskva, Izd-vo "Iskusstvo," 1964. 23 p. illus.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. [illegible] [Art of architectural decoration in Tajikistan] Arkhitekturno-dekorativnoe iskusstvo Tadzhikistana. Dushanbe. No. 1. 1963. 11 p. 58 plates.

[illegible], RASUL. [Uzbek ornament] Uzbekskii ornament. Moskva, Gosstroiizdat, 1963. 12 p. illus.

[ART; painting, sculpture, graphic arts, applied art] Dailė; tapyba, skulptūra, grafika, taikomoji dailė. [Kaunas, Valst. grožinės lit-ros leidykla] 1960. 24 p. (chiefly illus.) [In Lithuanian]

[ART; painting, sculpture, graphic arts, applied art] Dailė; tapyba, skulptūra, grafika, taikomoji dailė. [Kaunas, Valst. grožinės lit-ros leidykla] 1961. 55 p. (chiefly illus.) [In Lithuanian]

BENDIK, D. A. [Artists of Maritime Province] Khudozhniki Primor'ia. Leningrad, Khudozhnik RSFSR, 1961. 80 p.
[illegible]

BIDSTRUPS, H. [Bidstrup laughs, Bidstrup ridicules] Bidstrups smejas, Bidstrups izsmej. Riga, Latvijas Valsts izd-ba, 1963. 1 v. (chiefly illus.) [In Latvian and Russian]

BOGDESKO, I. T. [Drawings] Risunki. Kishinev, Izd-vo "Kartia Moldoveniaske," 1963. [8], 80 p. illus.

[illegible], M. M. [The artists of Kaluga] Khudozhniki Kalugi. Leningrad, Khudozhnik RSFSR, 1963. 115 p. illus.

[illegible], V. V. [Fundamentals of [illegible] sculpture] [illegible] Moskva, Izd-vo "Iskusstvo," 1963. 74 p. illus. [illegible]

[illegible] GOSUDARSTVENNYI KHUDOZHESTVENNYI MUZEI. [illegible State Art Museum] [illegible] 1963. [8] p. 72 p. illus. [illegible]

[illegible], M. A. [illegible] Leningrad, [illegible], 1963. 63 p. illus.
[illegible]

[illegible], and ERA HAAVIK. [Painting technique] [illegible] Tallinn, Eesti Riiklik Kirjastus, 1962. [illegible] p. illus. [illegible] [In Estonian]

[illegible], A. V., and G. F. STEPANOV. [illegible] Leningrad, Khudozhnik RSFSR, 1964. 63 p.
[illegible]

[illegible], I. A., M. M. STEPANIAN, and V. V. [illegible] [How to look at and appreciate works of art] Kak smotret' i ponimat' proizvedeniia iskusstva. Moskva, Izd-vo "Znanie," 1963. 79 p. illus.

KARGER, M. K. [Architecture of old Smolensk, the 12th and 13th centuries] Zodchestvo drevnego Smolenska XII-XIII vv. [Leningrad] Izd-vo Leningr. univ., 1964. 130 p. illus.

[illegible], GALINA. [Soviet Latvian woodcarving] [illegible] Riga, Latvijas Valsts izd-ba, 1963. 63 p. (chiefly illus.) [In Latvian]

KEMENOV, V. S. [Against abstractionism. In defense of realism; collection of articles] Protiv abstraktsionizma. V zashchitu realizma; sbornik statei. Leningrad, Khudozhnik RSFSR, 1963. 154 p. illus.

KOCHEDAMOV, V. I. [Tobol'sk, how the city grew and was built] Tobol'sk, kak ros i stroilsia gorod. [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1963. 154 p.

KOROTSKAIA, A. A. [India's architecture of the early Middle Ages] Arkhitektura Indii rannego srednevekov'ia. Moskva, Stroiizdat, 1964. 203 p. illus.

KRAMSKOI, I. N. Ivan Nikolaevich Kramskoi. Moskva, Gos. izd-vo izobraz. iskus., 1963. 11 p. 30 plates.
[illegible]

KRASNICHKOVA, F.L. [Artistic embroidery] Khudozhestvennoe vyshivanie. 2. ispr. izd. Minsk, Gos. izd-vo BSSR, 1963. 191 p. illus. (insert)

LENINGRAD. ERMITAZH. [State Hermitage; a concise museum guide] Gosudarstvennyi Ermitazh; kratkii putevoditel' po muzeiu. Leningrad, 1964. 479 p.

LENINGRAD. GOSUDARSTVENNYI RUSSKII MUZEI. [The State Russian Museum] Gosudarstvennyi Russkii muzei. Moskva, Izogiz, 1963. [4] p. plates. (Nashi muzei)

MOLDAVSKII, D.M. [Art of a doomed world] Iskusstvo obrechennogo mira. Leningrad, Khudozhnik RSFSR, 1964. 76 p.

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALLEREIA. [Catalog of early Russian painting from the 11th to the beginning of the 18th century in two volumes; a classification attempt in art history] Katalog drevnerusskoi zhivopisi XI-nachala XVIII v.v. v dvukh tomakh; opyt istoriko-khudozhestvennoi klassifikatsii. Moskva, Iskusstvo.
Vol. 2. [16th to the end of the 18th century] XVI-nachalo XVIII veka. 1963. 569 p. 179 illus.

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALLEREIA. [Isaak Il'ich Levitan; catalog of the exhibition on the occasion of the 100th anniversary of his birth, 1860-1960] Isaak Il'ich Levitan; katalog vystavki k stoletiiu so dnia rozhdeniia, 1860-1960. Moskva, Izd-vo Akad. khudozh. SSSR, 1960. 112 p. illus.
(OrU)

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALLEREIA. [State Tret'iakov Gallery] Gosudarstvennaia Tret'iakovskaia gallereia. Moskva, Gos. izd-vo izobraz. iskus., 1963. 13 p. 48 plates (Nashi muzei)

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KHUDOZHESTVENNOI PROMYSHLENNOSTI. [Artistic embroidery] Khudozhestvennaia vyshivka. Moskva, Gosbytizdat, 1963. 9 p. illus.

MOSKOVSKII KREML', KREMLIN. Moskva, Izd-vo "Sovetskii khudozhnik," 1964. 65 p. (chiefly illus.)

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKSPERIMENTAL'NOGO PROEKTIROVANIIA. [Experimental design and construction in the Ukraine] Eksperimental'noe proektirovanie i stroitel'stvo v Ukrainskoi SSR. Kiev, Gosstroiizdat USSR, 1963. 157 p.

NIMENKO, A.V. [Monuments to Taras Shevchenko] Pam'iatnyky Tarasovi Shevchenku. Kyiv, Derzh. vyd-vo "Mystetstvo," 1964. 51 p. illus.

POKROVSKAIA, Z.K. [O.I. Bove, the architect] Arkhitektor O.I. Bove. Moskva, Stroiizdat, 1964. 100 p. illus.

POLENOVO. GOSUDARSTVENNYI MUZEI-USAD'BA V.D. POLENOVA. [Guide to the State Residence-Museum of V.D. Polenov] Putevoditel'. Izd. 4., ispr. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 92 p.

RIMANTAS, J. [Petras Rimsa tells his story] Petras Rimsa pasakoja. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 384 p. [In Lithuanian]

[TEACHING CHILDREN TO DRAW; from the practice of Leningrad kindergartens] Obuchenie detei risovaniiu; iz opyta detskikh sadov Leningrada. Moskva, Prosveshchenie, 1964. 173 p. illus.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT TIPOVOGO I EKSPERIMENTAL'NOGO PROEKTIROVANIIA UCHEBNYKH ZAVEDENII. [Moscow Palace of the Pioneers] Moskovskii Dvorets pionerov. Moskva, Stroiizdat, 1964. 100 p. illus.

[YOUNG ARTISTS OF MOSCOW; an album of works] Molodye khudozhniki Moskvy; al'bom proizvedenii. Leningrad, Khudozhnik RSFSR, 1963. [3] p. illus.

ZDANEVICH, K.M. Niko Pirosmani. Tbilisi, Izd-vo SSP Gruzii "Literatura i iskusstvo," 1963. 137 p.

11. LANGUAGE, LITERATURE & FOLKLORE

ABRAMAVICIUS, VL. [Taras Shevchenko and Vilnius] Tarasas Sevcenka ir Vilnius. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 77 p. [In Lithuanian]

ABRAMOVICH, S.L. [Extracurricular reading classes in grades seven and eight] Uroki vneklassnogo chteniia v VII-VIII klassakh; iz opyta raboty. Moskva, Prosveshchenie, 1964. 116 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Artistic method and the creative individuality of an author] Khudozhestvennyi metod i tvorcheskaia individual'nost' pisatelia. Moskva, Izd-vo "Nauka," 1964. 242 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Gor'kii readings, 1961-1963; dramaturgy and the theater] Gor'kovskie chteniia, 1961-1963; dramaturgiia i teatr. Moskva, Izd-vo "Nauka," 1964. 313 p.

AKADEMIIA NAUK SSSR. Institut russkoi literatury. [Pushkin's manuscripts accessioned by the Pushkin House after 1937; with brief descriptive notes] Rukopisi Pushkina, postupivshie v Pushkinskii dom posle 1937 goda; kratkoe opisanie. Sostav. O.S. Solov'eva. Moskva, Izd-vo "Nauka," 1964. 110 p.

AKADEMIIA NAUK SSSR. Institut russkoi literatury. [Tales on the controversy between life and death] Povesti o spore zhizni i smerti. Issledovanie i podgotovka tekstov R.P. Dmitrievoi. Moskva, Izd-vo "Nauka," 1964. 211 p.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [Development of foreign Slavic literatures in the 20th century] Razvitie zarubezhnykh slavianskikh literatur v XX veke. Moskva, Izd-vo "Nauka," 1964. 414 p.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut iazyka i literatury. [Collection of articles on the Pamir languages and history of the Tajik language] Sbornik statei po pamirskim iazykam i istorii tadzhikskogo iazyka. Pod red. A.L. Khromova. Dushanbe, 1963. 84 p.

AKHMANOVA, O.S., ed. [Russian-English dictionary. Approximately 25,000 words] Russko-angliiskii slovar'. Okolo 25,000 slov. Izd. 16. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 503 p.

ALEKSANDROVICH, N.F. [Entertaining grammar] Zanimatel'naia grammatika. Izd. 2., dop. Minsk, Izd-vo "Narodnaia asveta," 1964. 252 p.

AMMAN, MIR. [Four dervishes; a tale] Dert dervush. Ashgabat, Turkmenistan Neshiriaty, 1964. 312 p. [In Turkmen]

ANDALYP. [Selected works] Sailanan eserler. Ashgabat. Turkmenistan Dovlet Neshiriaty, 1963. 222 p. [In Turkmen]

ANDERSONE, EMMA. [The red rifleman in Latvian literature, 1917 - 1940] Sarkanais strelnieks latviesu literatura 1917. - 1940. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 490 p. [In Latvian]

ANDRIICHUK, VASYL'. [Thistle; humoresques] Chortopolokh; humoresky. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1963. 50 p.
(MH)

ARDAMATSKII, V.I. [God, Mister Glen, and IUrii Korobtsov; a tale] Bog, mister Glen i IUrii Korobtsov; povest'. Moskva, Izd-vo "Detskaia literatura," 1964. 159 p.

ASIPENKA, ALES'. [Where one feels himself at home; a tale] Abzhyty kut; apovests'. [Minsk, Vyd-va "Belarus'"] 1964. 264 p.

AVDEENKO, A.O. [Black bells; a novel] Chernye kolokola; roman. Moskva, Sovetskaia Rossiia, 1964. 316 p.

BAGRITSKII, E.G. [Verse and poems] Stikhi i poemy. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 378 p.

BAIRAM, NURY. [Cranes; sketches] Durnalar. Ashgabat, Turkmenistan dovlet neshiriaty, 1963. 113 p. [In Turkmen]

BAIRAM, NURY. [Songs of the seeds] Denezhigin aidymy. Ashgabat, Turkmenistan Dovlet neshiriaty, 1963. 13 p. [In Turkmen]

BANARU, GEORGE. [Peasants. Translated from the Moldavian] Krest'iane. Kishinev, Kartia Moldoveniaske, 1964. 175 p.

BAUKH, EFREM. [Facets; verse] Grani; stikhi. Kishinev, Kartia Moldoveniaske, 1963. 39 p.
(MH)

BAZHAN, M.P. [Italian meetings; verse] Ital'ianskie vstrechi; stikhi. Moskva, Sovetskii pisatel', 1963. 40 p.
(MH)

BELIAEV, I.S. [A bear's sensitivity; fables, feuilletons, epigrams] Medvezh'ia chutkost'; basni, fel'etony, epigrammy. Simferopol', Krymizdat, 1959. 36 p.
(IEN)

BEREZHNOI, A.F. [The Press Bill and "Pravda," 1912 - 1914] Zakonoproekt o pechati i "Pravda" (1912 - 1914 gg.) [Leningrad] Izd-vo Leningr. univ., 1962. 49 p.

BIALEVICH, ANTON. [High noon; verse] Vysoki poudzen'; vershy. Minsk, Vyd-va "Belarus'," 1964. 214 p.

BIRKERTS, ANTONS. [J. Rainis in exile in Pskov] J. Rainis Pleskavas trimda. Riga, Latvijas Valsts izd-ba, 1964. 117 p. [In Latvian]

BISENIEKS, V., and I. NISELOVICS, eds. [Latvian-German dictionary] Latviesu-vacu vardnica. Ap 33,000 vardu. Riga, Latvijas Valsts izd-ba, 1963. 800 p.

BORISKIN, N.M. [Blue heights; verse and poem] Golubye vysoty; stikhi i poema. Tashkent, Goslitizdat, 1963. 102 p.
(MH)

BORISOVA, M.I. [Wide world; verse] Belyi svet; stikhi. Moskva, Sovetskii pisatel', 1963. 77 p.
(MH)

BROVMAN, G.A. [The hero and the times; review of prose written in 1963] Geroi i vremia; obzor prozy za 1963 god. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 9)

BUKHBINDER, I. SH. [Last snowfall; verse. Translated from the Yiddish] Poslednii sneg; stikhi. Moskva, Sovetskii pisatel', 1964. 54 p.

CHEKHOV, A.P. [Time waster; short stories] Kanitel'; rasskazy. Moskva, Politizdat, 1964. 54 p. (Khudozhestvennaia ateisticheskaia biblioteka)

CHEKHOV, M.P. [Around Chekhov; encounters and impressions] Vokrug Chekhova; vstrechi i vpechatleniia. [Moskva] Mosk. rabochii, 1964. 367 p.

CHEREPAKHOV, M.S. [Writing sketches] Rabota nad ocherkom. [Moskva] Izd-vo Mosk. univ., 1964. 68 p.

CHIKOVANI, SIMON. [Selected verse. Translated from the Georgian] Izbrannye stikhotvoreniia. Moskva, Izd-vo khudozh. lit-ry, 1963. 358 p.
(MH)

CHISTIAKOV, A. [Rembrandt smiles; travel notes] Rembrandt smeetsia; putevye zapiski. Riga, Latviiskoe gos. izd-vo, 1963. 49 p.

COOPER, JAMES FENIMORE. [Selected works. Translated from the English] Izbrannye sochineniia. Moskva, Gos. izd-vo detskoi lit-ry.
Vol. 1-3. 1961-1962.
(MH)

DERBOV, A. P. [illegible] Moskva, [illegible] 1963. 176 p. [illegible]
(MH)

DOBRIAKOV, D. V. [illegible] Moskva, [illegible] 1963. [illegible] p.

DONTSAKHE, J. [illegible] 1963. [illegible] p. [illegible]

DRONOVA, ID. A. [illegible] 1963. [illegible] p.

DZHAPAROV, [illegible] [illegible] Ashgabad, Turkmenistan Soviet Republic, 1963. [illegible] p. [illegible]

ENTSIKLOPEDICHESKII SLOVAR' [illegible]
[illegible] Moskva, 1963. [illegible] p. [illegible]

ERMILOV, A. E. [illegible] 1963. [illegible] p.

FEDOSEEV, [illegible] [illegible] Moskva, [illegible]
[illegible] 1964. [illegible] p.

FILIPA, [illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.

FIRSOVA, M. E. [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] [illegible] 1963. [illegible] p.
(MH)

[illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.

[AN ENCYCLOPEDIA FOR YOU [illegible]**]** [illegible] Moskva, [illegible] 1964. [illegible] p.

GAL'PERIN, [illegible] [Character of the people and stage images. Soviet Uzbek dramaturgy on the stage of the Uzbek theater] [illegible] Tashkent, [illegible] 1962. [illegible] p. illus.

GERS, [illegible] [Foreign legion: the fate of Henri Lambert] [illegible] Moskva, Gos. izd-vo detskoi lit-ry, 1962. [illegible] p.
(Juvenile)

[FROM THE HISTORY OF THE SOVIET LITERATURE OF THE TWENTIES. Materials of the inter-university scientific conference] Iz istorii sovetskoi literatury 20-kh godov, materialy mezhvuzovskoi nauchnoi konferentsii. [illegible] 1963. [illegible] p.

GALIEV, M. S. [Tellinai and Medzhnun] Tellinai Medzhnun. Ashgabad, Turkmenistan Soviet Republic, 1963. [illegible] p. [In Turkmen]

GAIDAR, A. P. [My friends] Moi tovarishchi. Moskva, Izd-vo "Detskaia literatura," 1964. 270 p.

GAUBER, N., and V. KOVANEVICH. [Children, get ready for school!] Deti, v shkolu gotov'tes'! [illegible] Leningrad, Izd-vo "Detskaia literatura," 1964. 19 p. illus.

G[illegible], A. L. [illegible] Pushkin's last place [illegible] Moskva, [illegible] 1962. [illegible] p. [illegible]

GLAZOV, V. N. [illegible] Moskva, [illegible] 1964. [illegible] p.

GRIGOR'EV, V. M. [illegible] 1964. [illegible] p.

GONCHAROV, [illegible] [illegible] translated from the English [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.
[illegible]

[illegible] [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible] [illegible] Kiev, [illegible] 1964. [illegible] p.
[illegible]

[illegible] [illegible] 1964. [illegible] p.

[illegible] [illegible] Moskva, [illegible] 1963. [illegible] p.

[illegible] [illegible] literary group [illegible] 1963. [illegible] p.

[illegible] [Language and style of [illegible]] [illegible] 1963. [illegible] p. [illegible]
(MH)

[illegible] [Two [illegible] poems] [illegible] "Sovetskii pisatel'," 1964. [illegible] p.

[illegible] [illegible] a collection of verses] [illegible]
Book 2. 1963. 177 p.

JAKUTIS, J. [White [illegible] poems] [illegible] Vilnius, Leidykla Vaga, 1964. 37 p. [In Lithuanian]

JANCIUTE, [illegible] [Good-bye! [illegible]] [illegible] Vilnius, Leidykla VAGA, 1964. 126 p. [In Lithuanian]

KAKABAEV, [illegible] [illegible] sketches and stories] [illegible] Ashgabad, Turkmenistan Soviet Republic, 1963. 81 p. [In Turkmen]

KALIAEV, SANDZHI. [Hymn to our steppes. Himn rodnoi stepi. Elista, Kalmytskoe gos. izd-vo] 1964. 192 p. [In Kalmyk]
(MH)

KASARSH, VIKTORIIA. [Effendi Kapiev, 1909-1944, a short bibliography of the literature] Effendi Kapiev, 1909-1944, kratkii ukazatel' literatury. 2. izd., dop. i pererab. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1962. 45 p.
(MH)

KARABIKHA. MUZEI-USAD'BA N. A. NEKRASOVA [Guide to the N. A. Nekrasov Residence Museum in Karabikha] Putevoditel' [By] A. F. Tarasov. [Iaroslavl'], Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 96 p.

KARECKAITE, A., [illegible], and [illegible], comps. [A concise German-Lithuanian and Lithuanian-German dictionary for school use] [illegible] Kaunas, Valstybine pedagogines literaturos leidykla, 1964. 708 p. [In Lithuanian]

KARPENKO, M. A. ["Foma Gordeev", a novel by M. Gor'kii, a textual and stylistic study of the text] Roman M. Gor'kogo "Foma Gordeev"; opyt tekstologo-stilisticheskogo issledovaniia teksta. [Kiev] Izd-vo Kievskogo universiteta, 1964. 166 p.
(CaBVaU)

KARSAVIS, J. [illegible] Vilnius, Leidykla VAGA, 1964. [illegible] p. [In Lithuanian]

KASHKIN, S. F. [illegible] 1963. [illegible] p.

KASSYMOV, [illegible] [illegible] 1964. [illegible] p. [illegible]

KATANOV, [illegible] [illegible] 1963. [illegible] p.

KAUKASOV, [illegible] [Man with an earthly [illegible]] [illegible] Elista, Kalmytskoe gos. izd-vo, 1963. 108 p. [In Kalmyk]
(MH)

KAVERIN, [illegible] [illegible] 1963. [illegible] p.

KAZANTSEV, [illegible] [illegible] 1962. [illegible] p. [illegible]
(MH)

KEATS, [illegible] [Selected poems [illegible]] [illegible] 1963. [illegible] p. [illegible]

KHUSAINOV, [illegible] [The long thread [illegible] the Volga [illegible]] Saransk, Mordovskoe knizhnoe izd-vo, 1963. 319 p. [In Mordvinian]
(MH)

KOPYLENKO, [illegible] [Brief review of the history of linguistics] [illegible] Kiev, "Radians'ka shkola," 1964. 129 p.

KOLESNIKOV, [illegible] [Kotsiubyns'kyi, an artist of words] Kotsiubyns'kyi — khudozhnyk slova. Kyiv, "Naukova dumka," 1964. 231 p.

KOLADKOV, EVGENII, comp. [Four and Ural; At the five streams, Contemplation of rocks, trilogy] Chetvero i Ural, U piati ruch'ev, Sozertsanie skal. [Sverdlovsk] Sredne-Ural'skoe knizhnoe izd-vo, 1963. 442 p. (Ural'skaia biblioteka [illegible])
(MH)

KORSAKIENE, HALINA. [Temporary capital; a novel. Translated from the Lithuanian] Vremennaia stolitsa; roman. Vil'nius, Izd-vo Vaga, 1964. 472 p.

KOTOVSHCHIKOVA, A. A. [Five plus three] Piat' plius tri. Leningrad, Izd-vo "Detskaia literatura," 1964. 123 p.

KOVALEV, V. A. [Leonid Leonov; a seminar. Textbook for students] Leonid Leonov; seminarii. Posobie dlia studentov. Moskva, Prosveshchenie, 1964. 230 p.

KRAPCHAN, BORIS. [Along the path of time] Dorogoi vremeni. Kishinev, Kartia moldoveniaske, 1963. 52 p.
(MH)

KREVE, V. [Under a straw roof] Siaudinej pastogej. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 235 p. [In Lithuanian]

KRISCIUKAITIS, ANTANAS. [Carriage; a short story] Bricka. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 33 p. [In Lithuanian. Publ. under his pseud. Aisbe]

KRUUS, HANS. [A century ended, another began] Sajand loppes, teine algas; malestusi lapse ja koolipolvest. Tallinn, Eesti Riiklik Kirjastus, 1964. 242 p. [In Estonian]

KULAKOVSKII, A. N. [Meetings at the crossroads; a novel] Vstrechi na rosstaniakh; roman. [Moskva] Molodaia gvardiia, 1964. 315 p.

KUPRIN, A. I. [Collected works in nine volumes] Sobranie sochinenii v deviati tomakh. Moskva, Izd-vo "Pravda." (Biblioteka "Ogonek")
Vol. 9. 1964. 590 p.

KURBANOV, A. A., and others. [The Turkmen language] Turkmenskii iazyk. Ashkhabad, Turkmenizdat.
Pt. 1. [Textbook for Russian students in the higher educational institutions of the Turkmen S.S.R.] Uchebnik dlia russkikh grupp vuzov TSSR. 1964. 354 p.

KYDYRBAEVA, R. Z., and K. A. ASANALIEV. [Concise Kirghiz dictionary of literary terms] Adabiiat taanuu terminderinin kyrgyzcha kyskacha sozdugu. Kratkii kirgizskii slovar' literaturovedcheskikh terminov. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 157 p. [In Kirghiz]

LAICENS, LINARDS. [Poems] Dzeja. Riga, Latvijas Valsts izd-ba, 1963. 268 p. [In Latvian]

LENINGRAD. UNIVERSITET. [Manuscript lexicon from the first half of the 18th century] Rukopisnyi leksikon pervoi poloviny XVIII veka. [Leningrad] 1964. 401 p.

LENINGRAD. UNIVERSITET. Vostochnyi fakul'tet. Kafedra stran drevnego Vostoka. [Assyriology and Egyptology] Assiriologiia i egiptologiia; sbornik statei. [Leningrad] Leningr. univ., 1964. 126 p.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Lietuviu kalbos ir literaturos institutas. [Chrestomathy of Lithuanian literature; the age of feudalism] Lietuviu literaturos istorijos chrestomatija; feodalizmo epocha. Red. K. Korsakas ir J. Lebedys. Vilnius, Valstybine grozines literaturos leidykla, 1957. 526 p. [In Lithuanian]

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Lietuviu kalbos ir literaturos institutas. [Lithuanian folklore, in five volumes] Lietuviu tautosaka; penki tomai. Vilnius, Leidykla "Mintis." [In Lithuanian]
Vol. 2. [Songs, lamentations] Dainos, raudos. 1964. 739 p.

LIKHANOV, A. A. [Let there be sun; a tale] Da budet solntse; povest'. [Kirov] Kirovskoe knizhnoe izd-vo, 1963. 116 p.
(MH)

LIUBAREVA, E. P. [Eduard Bagritskii; his life and works] Eduard Bagritskii; zhizn' i tvorchestvo. Moskva, Sovetskii pisatel', 1964. 242 p.

[MAIDEN WELL; stories of Turkish writers] Gyzly guiy; turk khekaialary. Ashgabat, Turkmenistan Dovlet Neshirlaty, 1963. 102 p. [In Turkmen]

MAKAEV, E. A. [Problems of Indo-European areal linguistics] Problemy indoevropeiskoi areal'noi lingvistiki. Moskva, Izd-vo "Nauka," 1964. 57 p.

MAKSIMOV, V. I. [Works of N. A. Alekseev; a critical and bibliographic account] Tvorchestvo N. A. Alekseeva; kritiko-bibliograficheskii ocherk. [n. p.] Izd-vo gazety "Pskovskaia pravda," 1963. 41 p.

MAMEDOV, ASHKHABAD. [Nightingales sing differently; tales] Po-raznomu poiut solov'i; [povesti. Ashkhabad] Turkmenskoe izd-vo, [1964] 73 p.

MAR, N. I. [50 interviews] 50 interv'iu. Moskva, Sovetskaia Rossiia, 1964. 603 p.

MARKIN, I. I. [The reversal at Kursk; a novel] Kurskii pereval; [roman.] Moskva, Molodaia gvardiia, 1964. 382 p.

MASHAKOV, KH. A. [Turkmen language for the ninth grade of Russian schools] Turkmen dili rus mekdeplerinin IX klasy uchin. Birinzhi neshir. Ashgabat, Turkmenistan Okuv-Pedagogik Neshiriaty, 1963. 123 p. [In Turkmen]

MAZIN, A. A. [Man in trouble; stories] Chelovek v bede; rasskazy. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 52 p.
(NIC)

MEDNIKOV, A. M. [Seventeen days; a tale] Semnadtsat' dnei; povest'. Moskva, Voenizdat, 1964. 196 p.

MELEZH, IVAN. [Toward Minsk; a novel] Minskoe napravlenie; roman. Minsk, Gos. izd-vo BSSR, 1963. 694 p.

MELIKISHVILI, G. A. [Urartic language] Urartskii iazyk. Pod obshchei red. G. P. Serdiuchenko. Moskva, Izd-vo "Nauka," 1964. 72 p. (IAzyki narodov Azii i Afriki)

MEL'NIK, V. K. [Fighter planes; a tale] Istrebiteli; povest'. Kiev, Derzhlitvydav Ukrainy, 1964. 218 p.

MEL'NYK, IVAN. [Whom do you love, girl; verse and songs] Koho liubysh, divchyno; virshi ta kolomyiky. Uzhhorod, Zakarpats'ke obl. knizhkovo-hazetne vyd-vo, 1963. 69 p.
(MH)

MERAS, J. [The draw lasts a moment; a novel] Lygiosios trunka akimirka; romanas. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 201 p. [In Lithuanian]

[MEMORIES OF BORIS GORBATOV] Vospominaniia o Borise Gorbatove. Moskva, Sovetskii pisatel', 1964. 495 p.

MEZENTSEV, P. A. [History of Russian literature of the 19th century (the first half)] Istoriia russkoi literatury XIX veka (pervaia polovina). Moskva, Vysshaia shkola, 1963. 353 p.

MIEZELAITIS, EDUARDAS. [Man. Translated from the Lithuanian] Chelovek. [Moskva, Goslitizdat, 1963] 120 p.
(CtY)

MIKHAILOV, A. M. [Burning water; sketches and a story. Goriashchaia voda; ocherki i rasskaz. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo] 1963. 72 p. [In Mari]
(MH)

MIKHALKOV, S. V. [The millionaire] Millioner. Moskva, Izd-vo "Detskaia literatura," 1964. 1 v.

MILIAVSKII, A. I. [Daybreaks during travel; verse] Rassvety v puti; stikhi. Simferopol', Krymizdat, 1964. 109 p.

MISHIN, O. I. [Blue street; verse] Golubaia ulitsa; stikhi. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 89 p.
(MH)

[MOLLA NEPES: The legend of "Zokhre - Takhir"; an album] Mollanepes: "Zokhre - Takhyr" dessany. Ashgabat, Turkmendovletokyvpedneshir, 1963. 41 p. [In Turkmen]

MOREV, L. N., comp. [Thai-Russian dictionary. Approximately 20,000 words] Taisko-russkii slovar'. Pod red. S. Semsampana. Okolo 20 000 slov. S prilozheniem kratkogo grammaticheskogo ocherka taiskogo iazyka. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 985 p.

MOROZOV, M. M. [Articles on Shakespeare] Stat'i o Shekspire. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 309 p.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Shakespeare; bibliography of translations into Russian and literary criticism in Russian, 1748-1962] Shekspir, bibliografiia russkikh perevodov i kriticheskoi literatury na russkom iazyke, 1748-1962. Moskva, Izd-vo "Kniga," 1964. 711 p.

MUKHINA-PETRINSKAIA, V. M. [Observatory in the dunes; novel] Observatoriia v diunakh; roman. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 239 p.

MUSAEV, K. M. [Grammar of the Karaite language; phonetics and morphology] Grammatika karaimskogo iazyka; fonetika i morfologiia. Moskva, Izd-vo "Nauka," 1964. 343 p.

NEKRASOV, N. A. [Who has a good life in Russia?] Komu na Rusi zhit' khorosho. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 205 p. (Narodnaia biblioteka)

NEPES, MOLLA. [Lyrics. Translated from the Turkmen] Lirika. Ashkhabad, Turkmenskoe gos. izd-vo 1963. 86 p.

NOVIKOV, V. A. [Rapids] Bystrina. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 59 p.
(MH)

ODESSA. DERZHAVNYI ISTORYCHNO-KRAIEVOZNAVCHYI MUZEI. [The Pushkin Department of the Odessa State Local History Museum] Pushkinskii otdel Odesskogo gosudarstvennogo istoriko-kraevedcheskogo muzeia. Odessa, Izd-vo "Maiak," 1964. 29 p.

OKON', Z. P., and V. I. POLOVNIKOVA. [Exercises in morphology for foreigners studying Russian] Sbornik uprazhnenii po morfologii dlia inostrantsev, izuchaiushchikh russkii iazyk. [Moskva] Izd-vo Mosk. univ.
No. 1. [Numerals, adverbs] Chislitel'noe, narechie. 1964. 140 p.

OSETROV, E. I. [Echo of life; Soviet poetry in 1963] Ekho zhizni; sovetskaia poeziia v 1963 godu. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 10)

OSIPOV, IU. M., comp. [Concise Thai-Russian dictionary. Approximately 3,500 words] Kratkii tkhaisko-russkii slovar'. Okolo 3500 slov. Sost. IU. M. Osipov. [Leningrad] Izd-vo Leningr. univ., 1963. 332 p.

OZERSKAIA, V. P. [Work practices in syntax and punctuation for grades 5-8] Sistema raboty po sintaksisu i punktuatsii v V-VIII klassakh. Moskva, Prosveshchenie, 1964. 167 p.

PECHERSKII, N. P. [Lazy sly ones; tales and stories] Lenivye khitretsy; povesti i rasskazy. Kishinev, Kartia Moldoveniaske, 1963. 517 p.

[PEOPLES WRITER ANDREJS UPITS; his life and work in pictures] Tautas rakstnieka Andreja Upita; dzive un darbs attelos. Riga, Latvijas Valsts izd-ba, 1963. 1 v. (chiefly illus.) [In Latvian]

[PEOPLES WRITER VILIS LACIS; his life and work in pictures] Tautas rakstnieks Vilis Lacis; dzive un darbs attelos. Riga, Latvijas Valsts izd-ba, 1964. 1 v. (chiefly illus.) [In Latvian]

POPKOV, IU. A., and V. V. SMIRNOV. [Have confidence in beacons! A documentary tale] Ver' maiakam! Dokumental'naia povest'. [Murmansk] Murmanskoe knizhnoe izd-vo, 1964. 126 p.

POPOV, V. F. [People I love] Liudi, kotorykh ia liubliu. Moskva, "Sovetskaia Rossiia," 1964. 318 p.

POPOVA, O. I. [Griboedov, the diplomat] Griboedov - diplomat. Moskva, IMO, 1964. 217 p.

POPOVSKII, A. D. [Man should live long; tales about Chlorella, Life and death] Cheloveku zhit' dolgo; povesti O khlorelle, O zhizni i smerti. Moskva, Sovetskaia Rossiia, 1963. 380 p.
(MH)

POTIKHA, Z. A. [Word-formation dictionary for schools] Shkol'nyi slovoobrazovatel'nyi slovar'. Nauchn. red. S. G. Barkhudarov. Izd. 2., ispr. i dop. Moskva, Prosveshchenie, 1964. 300 p.

PUL'KINA, I. M., and E. B. ZAKHAVA-NEKRASOVA. [Textbook of the Russian language for foreign students; a practical grammar with exercises] Uchebnik russkogo iazyka dlia studentov-inostrantsev; prakticheskaia grammatika s uprazhneniiami. Izd. 3., ispr. Pod red. P. S. Kuznetsova. Moskva, Izd-vo "Vysshaia shkola," 1964. 590 p.

RABINOWITZ, SHALOM. [Heavenly kingdom; stories] TSarstvie nebesnoe; rasskazy. Moskva, Politizdat, 1964. 61 p. (Khudozhestvennaia ateisticheskaia biblioteka) [Publ. under his pseud. Sholom Aleichem]

RASTORGUEVA, V. S., and A. A. KERIMOVA. [System of the Tajik verb] Sistema tadzhikskogo glagola. Moskva, Izd-vo "Nauka," 1964. 200 p.

RATNER, E. I. [Heart opened wide; a tale about encounters and adventures in the virgin steppes, mountains, semi-deserts and deserts] Raspakhnutoe serdtse; povest' o vstrechakh i prikliucheniiakh v tselinnykh stepiakh, v gorakh, v polupustyne i pustyne. Riga, Latviiskoe gos. izd-vo, 1963. 395 p.

RAUK, M., comp. [English-Estonian dictionary for schools] Inglise-Eesti sonaraamat koolidele. Tallinn, Eesti Riiklik Kirjastus, 1964. 430 p. [In Estonian]

RUS, VASILII. [Pages from an unfinished book] Lehekulgi lopetamata raamatust. Tallinn, Eesti Riiklik Kirjastus, 1963. 91 p. [In Estonian]

ROZENFEL'D, A. Z. [The Vanch dialects of the Tajik language] Vandzhskie govory tadzhikskogo iazyka. [Leningrad] Izd-vo Leningr. univ., 1964. 147 p.

RUBANOVICH, A. L. [Problems of the poet M. IU. Lermontov's mastery] Problemy masterstva M. IU. Lermontova-poeta. Irkutsk, Irkutskii gos. univ. 1963. 170 p.

RUDAKI, 10th cent. [Verse; translated from the Persian] Stikhi. Red. i kommentarii I. S. Braginskogo. Moskva, Izd-vo "Nauka," 1964. 511 p. [Parallel texts in Persian and Russian]

[RUSSIAN-MOLDAVIAN AND MOLDAVIAN-RUSSIAN SCHOOL DICTIONARY] Shkol'nyi slovar' russko-moldavskii i moldavsko-russkii. Kishinev, Gos. izd-vo "Kartia Molodveniaske," 1964. 338 p.

SAKSE, ANNA. [Kaspars, son of a blacksmith] Kalejdels Kaspars. Riga, Latvijas Valsts izd-ba, 1964. 40 p. [In Latvian]

SAMIILENKO, S. P. [An outline of the historical morphology of the Ukrainian language] Narysy z istorychnoi morfologii ukrains'koi movy. Kyiv, Radians'ka shkola.
Pt. 1. 1964. 233 p.

[SECONDS OF A ROUND; stories] Sekundy raunda; rasskazy. Moskva, Fizkul'tura i sport, 1964. 214 p.

SEITAKOV, BEKI. [Toward dawn; a poem] IAgtylyga. Ashgabat, Turkmenistan Dovlet Neshiriaty, 1963. 122 p. [In Turkmen]

SEITMEDOV, GOSHDZHAN. [Beauty from Urgench; a tale and stories] Urgench gozeli; povest' khem khekaialar. Ashgabat, Turkmenistan Dovlet Neshiriaty, 1963. 161 p. [In Turkmen]

SEMENIKHIN, G. A. [Mrs. Irena; a tale] Pani Irena; povest'. Moskva, Voenizdat, 1964. 178 p.

SERAFIMOVICH, A. S. [Miracle; stories] Chudo; rasskazy. Moskva, Politizdat, 1964. 61 p.

SHABENDE. [Giul' and Bilbil] Gul - Bilbil. Ashgabat, Turkmenistan Neshiriaty, 1963. 189 p. [In Turkmen]

SHAKESPEARE, WILLIAM. [Hamlet. Translated from the English by B. Pasternak] Gamlet. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 254 p.

[SHAKESPEARE IN WORLD LITERATURE] Shekspir v mirovoi literature; sbornik statei. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 382 p.

SHAMIEV, KOVSHUT. [Help for small children] Korpelerin komegi. Ashgabat, Turkmenistan neshiriaty, 1963. 11 p. [In Turkmen]

SHAMKOVICH, A. I. [Satire, humor] Satira, iumor. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 427 p. [Publ. under his pseud. Sergei Zvantsev]

SHAPOSHNIKOVA, S. S. [I give you the sun] IA dariu tebe solntse. Kishinev, Kartia moldoveniaske, 1963. 108 p.
(MH)

SHEVCHENKO, T. H. [Heretic; antireligious verses and poems] Eretik; antireligioznye stikhi i poemy. Moskva, Politizdat, 1964. 37 p. (Khudozhestvennaia ateisticheskaia biblioteka)

SHEVCHENKO, T. H. [Little book; autographs of his poetry, 1847-1850] Mala knyzhka; avtografy poezii 1847-1850 rr. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 431 p.

SHEVCHENKO, T. H. [Shevchenko on art] Shevchenko ob iskusstve. Moskva, Iskusstvo, 1964. 241 p.

SHEVCHENKO, T. H. [Verse and poems] Stikhotvoreniia i poemy. Vstup. stat'ia i sost. Maksima Ryl'skogo. Red. perevodov A. Prokof'eva i N. Brauna. Biogr. spravka i prim. I. IA. Azenshtoka. Moskva, Sovetskii pisatel', 1964. 470 p. (Biblioteka poeta. Malaia seriia. 3 izd.)

SHISHKOV, V. IA. [Father Makarii] Otets Makarii. Moskva, Politizdat, 1964. 45 p. (Khudozhestvennaia ateisticheskaia biblioteka)

SHITIK, V. N. [Last orbit; a science-fiction tale] Posledniaia orbita; fantasticheskaia povest'. Minsk, Izd-vo "Belarus'," 1964. 204 p.

SILS, PETERIS. [Immortality; poem] Nemirstiba; poema. Riga, Latvijas Valsts izd-ba, 1963. 115 p. [In Latvian]

SLAPOBERSKIS, DAVID. [German-Lithuanian dictionary. About 60,000 words and phrases] Vokieciu-lietuviu kalbu zodynas. Apie 60 0000 zodziu ir posakiu. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 1037 p.

SOBOLEV, A. N. [Sports for the strong and nimble] Sport sil'nykh i lovkikh. Moskva, Fizkul'tura i sport, 1964. 49 p. (Sport - detiam)

SOREN, SUN. [The sun rises over ancient lands. Translated from the Khmer] Solntse vstaet nad drevnei zemlei. Moskva, Izd-vo "Progress," 1964. 87 p.

[STORY OF BURNING HOT SAND; sketches] Rasskaz o raskalennom peske; ocherki. [Moskva] "Molodaia gvardiia," 1963. 191 p.

STRALS, KARLIS. [Evening flame; selected poems] Vakara degsme; dzejas izlase. Riga, Latvijas Valsts izd-ba, 1964. 174 p. [In Latvian]

STRELKOVA, IRINA. [Il'in spring] Il'in kliuch. Alma-Ata, Kazgoslitizdat, 1963. 107 p.
(MH)

SUPRUN, A. E. [Numerals and their study in schools] Imia chislitel'noe i ego izuchenie v shkole. Moskva, Uchpedgiz, 1964. 157 p.

SVIRIDOV, G. I. [Southern bastion; verse] IUzhnyi bastion; stikhi. Moskva, Voenizdat, 101 p.
(MH)

[TAJIK FOLK TALES. Translated from the Tajik] Tadzhikskie narodnye skazki. Moskva, Izd-vo "Detskaia literatura," 1964. 155 p. (Shkol'naia biblioteka)

TALCIS, A. [Captain of distant seas; a sketch. Translated from the Latvian] Kapitan dalekikh morei; ocherk. Riga, Latviiskoe gos. izd-vo, 1963. 201 p.

TALLINN. POLUTEHNILINE INSTITUUT. Kafedra russkogo iazyka i inostrannykh iazykov. [German vocabulary for those entering technical colleges] Slovarnyi zapas po nemetskomu iazyku dlia postupaiushchikh vo vtuz. Tallinn, Tallinskii politekhn. in-t, 1963. 86 p.

TARNAWSKY, Z. [The way to the High Castle; short stories and essays] Doroha na Vysokyi Zamok; noveli, opovidannia, narysy. Toronto, Vyd-vo "Homin Ukrainy," 1964. 254 p. (Biblioteka Vydavnitstva "Homin Ukrainy," no. 24)

TAT'IANICHEVA, L. K. [Lyric verse] Liricheskie stikhi. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 214 p.

TEL'PUGOV, V. P. [The inscription on the book; stories] Nadpis' na knige; rasskazy. Moskva, Izd-vo "Detskaia literatura," 1964. 30 p.

TIUTIUNNYK, HRYHORYI. [Whirlpool; a novel] Vodovorot; roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 102 p. (Roman-gazeta, no. 6(306))

TOMIN, V. R., and A. G. SINEL'NIKOV. [Return is undesired; a documented story] Vozvrashchenie nezhelatel'no; dokumental'naia povest'. [Moskva] Molodaia gvardiia, 1964. 205 p.

TOPOROV, A. M. [Peasants on writers] Krest'iane o pisateliakh. 2., dop. i perer. izd. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 257 p.

TRIFONOV, IU. A. [Floors] Etazhi. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 86 p.
(MH)

TROFIMOVS, REMS. [Janis Sudrabkalns; a critical and biographical study] Janis Sudrabkalns; kritiski biografiska apcerejums. Riga, Latvijas PSR Zinatnu akademijas izd-ba, 1963. 127 p. [In Latvian]

TSARUKIAN, ANDRANIK. [People without a childhood; a tale. Translated from the West Armenian] Liudi bez detstva; povest'. Moskva, Izd-vo "Progress," 1964. 132 p.

TUMASHEVA, D. G. [Language of the Western Siberian Tatars; a grammatical sketch and dictionary] IAzyk zapadnosibirskikh tatar; grammaticheskii ocherk i slovar'. [Kazan'] Izd-vo Kazanskogo univ., 1961. 239 p. [In Tatar]
(MH)

TURGENEV, I. S. [Complete collection of works and writings in 28 volumes] Polnoe sobranie sochinenii i pisem v dvadtsati vos'mi tomakh. Moskva, Izd-vo "Nauka."
[Letters] Pis'ma. Vol. 7. 1867-1869. 1964. 614 p.

[TURKMEN TALES] Turkmenskie skazki. Ashkhabad, Turkmenskoe gos. izd-vo, 1963. 301 p.

USTINOVICH, N. S. [Selected works in two volumes] Izbrannoe v dvukh tomakh. Krasnoiarsk, Krasnoiarskoe knizhnoe izd-vo, 1962-1963. 2 v.

VAARASK, P. K. [Problems of phonematics II; phonematic causes of the length of speech sounds] Voprosy fonematiki II; o fonematichnosti dolgoty zvukov rechi. Tallin, Tallinskii politekhn. in-t, 1963. 43 p.

VASHCHENKO, V. S. [Taras Shevchenko's language] Mova Tarasa Shevchenka. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ., 1963. 251 p.

VIALIUHIN, ANATOL'. [Address of love; selected works] Adras liubvi; vybranae. Minsk, Vyd-va "Belarus'," 1964. 270 p.

VIENUOLIS, A. [Before daybreak; a novel] Pries ausra; romanas. Vilnius, Valstybine grozines lit-ros leidykla. 1964. 256 p. [In Lithuanian]

VIIDING, PAUL. [Life and poems] Elu ja luule. Tallinn, Eesti Raamat Kirjastus, 1963. 285 p. [In Estonian]

VLASOVA, E. N. [Ways to improve syntactic analysis in schools] Puti sovershenstvovaniia sintaksicheskogo razbora v shkole. Pod red. T. V. Napol'novoi. Moskva, Prosveshchenie, 1964. 44 p.

VOLKOV, A. A. [Russian literature in the 20th century; the pre-October period] Russkaia literatura XX veka; dooktiabr'skii period. Moskva, Prosveshchenie, 1964. 501 p.

VOLKOV, O. V. [Kudelar's treasure; sketches] Klad Kudelara; ocherki. Moskva, Sovetskii pisatel', 1963. 311 p.
(NIC)

VOROB'EV, NIKOLAI, and VASILII ZHURAVSKII. [String around your finger to remind you; feuilletons] Uzelok na pamiat'; fel'etony. Moskva, Izd-vo "Pravda," 1964. 319 p.

VORON'KO, P. M. [Maples of Kiev] Kievskie kleny. [Moskva, Goslitizdat, 1963] 213 p.
(MH)

VOVCHOK, V. IU. [Highlands, you are my little world; poetry] Verkhovyno, svitku ty mii; poezii. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 102 p.

VSESOIUZNOE SOVESHCHANIE PO ROMANSKOMU IAZYKOZNANIIU. 1st, Kishinev, 1961. [Problems of Romance linguistics; materials] Voprosy romanskogo iazykoznaniia; materialy. Kishinev, Kartia Moldoveniaske, 1963. 245 p.

[WE WRITE ABOUT OURSELVES; a book by schoolchildren of Perm Province] Sami o sebe; kniga shkol'nikov Permskoi oblasti. [Perm'] Permskoe knizhnoe izd-vo, 1962. 142 p.

WOLF, CHRISTA. [Split sky; a novel. Translated from the German] Raskolotoe nebo; roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 94 p. (Roman-gazeta, no. 12(312))

ZAKHIDOV, VAKHID. [From the history of Uzbek literature. Iz istorii uzbekskoi literatury. Tashkent, Goslitizdat UzSSR] 1961. 264 p. [In Uzbek]
(MH)

ZASURSKII, IA. N. [Theodore Dreiser] Teodor Draizer. [Moskva] Izd-vo Mosk. univ., 1964. 317 p.

ZHIRMUNSKII, V. M. [Introduction to a comparative historical study of the Germanic languages] Vvedenie v sravnitel'no-istoricheskoe izuchenie germanskikh iazykov. Moskva, Izd-vo "Nauka," 1964. 313 p.

ZHURAVLEV, I. K. [Outline history of Marxist literary criticism in the U.S.A., 1900-1956] Ocherki po istorii marksistkoi literaturnoi kritiki SShA (1900-1956). [Saratov] Izd-vo Saratovskogo univ., 1963. 153 p.

ZIGMONTE, DAGNIJA. [Sea gate] Juras varti. Riga, Latvijas Valsts izd-ba, 1963. 328 p. [In Latvian]
(MH)

12. GEOGRAPHY & GEOLOGY

ABDULLAEV, KH. M. [Collected works] Sobranie sochinenii. Tashkent, Izd-vo "Nauka" UzSSR.
Vol. I. 1964. 493 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut geografii. [Atlas of the Azerbaijan Soviet Socialist Republic] Atlas Azerbaidzhanskoi Sovetskoi Sotsialisticheskoi Respubliki. Baku, Glav. upr. geodez. i kartografii Gos. geol. kom-ta SSSR, 1963. 213 p. maps.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut geologii. [Materials on the lithology, geochemistry, and mineralization of sedimentary formations in the Tien Shan] Materialy po litologii, geokhimii i orudeneniiu osadochnykh tolshch Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 115 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut geologii. [Problems of the Pre-Cambrian and Lower Paleozoic stratigraphy of Kirghizia] Voprosy stratigrafii dokembriia i nizhnego paleozoia Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 78 p.

AKADEMIIA NAUK SSSR. Institut fiziki Zemli. [Crustal structure in the transitional area from the Asiatic continent to the Pacific Ocean] Stroenie zemnoi kory v oblasti perekhoda ot Aziatskogo kontinenta k Tikhomu okeanu. Moskva, Izd-vo "Nauka," 1964. 307 p. diagrs. (insert)

AKADEMIIA NAUK SSSR. Institut geografii. [Mudflows of the U.S.S.R. and measures for controlling them] Seli v SSSR i mery bor'by s nimi. Moskva, Izd-vo "Nauka," 1964. 280 p.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. [Chemical analysis of minerals and their chemical composition] Khimicheskii analiz mineralov i ikh khimicheskii sostav. Moskva, Izd-vo "Nauka," 1964. 141 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Countries of Arabia; a reference book] Strany Aravii; spravochnik. Moskva, Izd-vo "Nauka," 1964. 365 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. [Silurian and Devonian corals in the Asiatic part of the U. S. S. R.] Siluriiskie i devonskie koraliy Aziatskoi chasti SSSR. Moskva, Izd-vo "Nauka," 1964. 77 p. illus.

AKADEMIIA NAUK URSR, Kiev. [Materials on the geology and geochemistry of minerals in the Ukraine] Materialy z geologii i geokhimii korysnykh kopalyn Ukrainy. Kyiv, 1964. 185 p.

ALIEV, G. A. [Cretaceous gastropods of the Lesser Caucasus and their stratigraphic significance] Briukhonogie mela Malogo Kavkaza i ikh stratigraficheskoe znachenie. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 156 p. illus.

BASKAKOV, M. P. [Facies-geochemical and mineralogical analysis of the sedimentary formations in the plain part of Uzbekistan] Fatsial'no-geokhimicheskii i mineralogicheskii analiz osadochnykh formatsii ravninnogo Uzbekistana. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 140 p.

[BUCHAREST; a tourist guidebook] Bukharest; spravochnik turista. [Bucharest] Izd-vo "Meridiane," 1963. 353 p.

——— [List of streets; map of the city] Perechen' ulits; karta goroda. 64 p. fold maps.

BUDANOV, V. I. [Methods for the study of coastal sea zones by exploratory expeditions] Metodika ekspeditsionnykh issledovanii beregovoi zony moria. Moskva, Izd-vo "Nauka," 1964. 223 p.

BULAKH, A. G. [Handbook and tables for the calculation of mineral formulas] Rukovodstvo i tablitsy dlia rascheta formul mineralov. Moskva, Izd-vo "Nedra," 1964. 130 p.

CHEBOTAREV, A. I. [Hydrological dictionary] Gidrologicheskii slovar'. Leningrad, Gidrometeoizdat, 1964. 221 p.

DOBROLIUBOVA, T. A., N. V. KABAKOVICH, and I. CHUDINOVA. [Instructions for the collection and study of Paleozoic corals] Nastavlenie po sboru i izucheniiu paleozoiskikh korallov. Moskva, Izd-vo "Nauka," 1964. 55 p. illus. (Nastavleniia po sboru i izucheniiu iskopaemykh organicheskikh ostatkov, no. 9)

DUBATOLOV, V. N., and N. IA. SPASSKII. [Stratigraphic and geographic outline of Devonian corals in the U. S. S. R.] Stratigraficheskii i geograficheskii obzor devonskikh korallov SSSR. Moskva, Izd-vo, "Nauka," 1964. 130 p. illus.

DVINSKII, E. IA. [Moscow; tourist guide] Moskva; sputnik turista. [Izd. 3., perer. i dop. Moskva] Mosk. rabochii, 1964. 654 p. map (insert)

DVORNICHENKO, N. E. [The region in which you live; through the cities and villages of Transbaikalia; notes of a student of the local region] Krai, v kotorom ty zhivesh'; Po gorodam i selam Zabaikal'ia; zametki kraeveda. [Chita] Chitinskoe knizhnoe izd-vo, 1963. 108 p.

EINOR, O. L. [Fundamentals of the geology of the U. S. S. R.] Osnovy geologii SSSR. [Kiev] Izd-vo Kievskogo univ.
Pt. 2. 1964. 333 p. map (insert)

GAIDAENKO, I. P. [Havana, Beirut] Gavana, Beirut. [Odessa] Knizhnoe izd-vo, 1963. 135 p.

GERASIMOV, M. M. [Men of the Stone Age] Liudi Kamennogo veka. Moskva, Izd-vo "Nauka," 1964. 167 p. plates.

GLAZOVSKAIA, M. A. [Geochemical fundamentals of the typology and the investigation methods of natural landforms; textbook] Geokhimicheskie osnovy tipologii i metodiki issledovanii prirodnykh landshaftov; uchebnoe posobie. [Moskva] Izd-vo Mosk. univ., 1964. 229 p.

GOFSHTEIN, I. D. [Recent tectonics of the Carpathians] Neotektonika Karpat. Kiev, Izd-vo Akad. nauk USSR, 1964. 181 p.

GORDIENKO, P. A. [Uncovering the secrets of the central Arctic] Raskrytie tain TSentral'noi Arktiki. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 60 p.

GOR'KOVOI, O. P. [Dolerite dikes of the Kurama Range] Diabazovye daiki Kuraminskikh gor. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 129 p.

GVOZDETSKII, N. A., ed. [Materials on the physical-geographical regionalization of the U. S. S. R.; Siberia and the Far East] Materialy po fiziko-geograficheskomu raionirovaniiu SSSR; Sibir' i Dal'nii Vostok. [Moskva] Izd-vo Mosk. univ. 1964. 232 p. (Prirodnoe i ekonomiko-geograficheskoe raionirovanie SSSR dlia nuzhd sel'skogo khoziaistva)

INSTITUT MINERALOGII, GEOKHIMII I KRISTALLOKHIMII REDKIKH ELEMENTOV. [Geochemistry, mineralogy, and genetic types of rare-element deposits] Geokhimiia, mineralogiia i geneticheskie tipy mestorozhdenii redkikh elementov. Moskva, Izd-vo "Nauka,"
Vol. 2. [Mineralogy of rare elements] Mineralogiia redkikh elementov. 1964. 820 p.

INTERNATIONAL GEOLOGICAL CONGRESS, 22d, 1964. [Charnockites] Charnokity. Moskva, Izd-vo "Nauka," 1964. 86 p. (Its Doklady sovetskikh geologov, Problema 13)

INTERNATIONAL GEOLOGICAL CONGRESS, 22d, 1964. [Petrographic formations and the problems of petrogenesis] Petrograficheskie formatsii i problemy petrogenezisa. Moskva, Izd-vo "Nauka," 1964. 207 p. (Its Doklady sovetskikh geologov, Problema 16)

INTERNATIONAL GEOLOGICAL CONGRESS, 22d, 1964. [Tertiary mammals] Tretichnye mlekopitaiushchie. Moskva, Izd-vo "Nauka," 1964. 57 p. (Its Doklady sovetskikh paleontologov. Problema 8)

IUSHKO-ZAKHAROVA, O. E. [Geochemistry and mineralogy of selenium and tellurium in copper-nickel deposits] Geokhimiia i mineralogiia selena i tellura v medno-nikelevykh mestorozhdeniiakh. Moskva, Izd-vo "Nauka," 1964. 110 p.

IVANENKOV, V. N. [Hydrochemistry of the Bering Sea] Gidrokhimiia Beringova moria. Moskva, Izd-vo "Nauka," 1964. 136 p.

JOONUKS, HELMUT. [Lake Endla] Endla jarv. Tallinn, Eesti Riiklik Kirjastus, 1963. 63 p. illus. [In Estonian]

JUOZAPAVICIUS, PRANAS. [Across the Caucasus; on tourist roads] Per Kaukaza; turistinio marsruto keliais. Vilnius, Valstybine politines i mokslines lit-ros leidykla, 1963. 43 p. illus. [In Lithuanian]

KARPOV, P. M. [Subsidence phenomena in the virgin lands of the Golodnaya Steppe] Prosadochnye iavleniia na tselinnykh zemliakh Golodnoi stepi. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 188 p. diagrs. (insert)

KOTEL'NIKOV, V. L. [Southern belt of the European U. S. S. R.; a study of its nature] IUzhnaia polosa Evropeiskoi chasti SSSR; ocherk prirody. Moskva, Geografgiz, 1963. 220 p.

KOZLOVA, O. G. [Diatoms in the Indian and Pacific sectors of the Antarctic] Diatomovye vodorosli Indiiskogo i Tikhookeanskogo sektorov Antarktiki. Moskva, Izd-vo "Nauka," 1964. 167 p.

KYZYL. TUVINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY I ISTORII. [Kyzyl, capital of Soviet Tuva 1914-1964] Kyzyl - stolitsa Sovetskoi Tuvy (1914-1964). Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964. 127 p.

LANGE, O. K. [Underground waters of the U. S. S. R.] Podzemnye vody SSSR. [Moskva] Izd-vo Mosk. univ.

Pt. 2. Gordeev, D. I., ed. [Underground waters of Siberia and Central Asia] Podzemnye vody Sibiri i Srednei Azii. 1963. 283 p.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Istorijos institutas. [Outline of Lithuanian ethnography] Lietuviu etnografijos bruozai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 680 p. [In Lithuanian]

LOGACHEV, N. A., T. K. LOMONOSOVA, and V. M. KLIMANOVA. [Cenozoic sediments of the Irkutsk amphitheater] Kainozoiskie otlozheniia Irkutskogo amfiteatra. Moskva, Izd-vo "Nauka," 1964. 193 p.

MAGI, HEINO. Olepaa. Tallinn, Eesti Riiklik Kirjastus, 1963. 101 p. illus. [In Estonian]

MAMAEV, O. I. [Oceanographic analysis in the α-S-T-p system] Okeanograficheskii analiz v sisteme α-S-T-p. Pod red. A. D. Dobrovol'skogo. Moskva, MGU. 1963. 228 p.

MAMEDOV, DZHALAL. [The Azerbaijan Soviet Socialist Republic] Azerbaidzhanskaia Sovetskaia Sotsialisticheskaia Respublika. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 63 p.

MIASNIKOVA, N. A. [Forecasting the rise of ground water by the method of hydraulic analogies (under complex hydrogeological conditions)] Prognoz podpora gruntovykh vod metodom gidravlicheskikh analogii (v slozhnykh gidrogeologicheskikh usloviiakh). Moskva, Izd-vo "Nauka," 1964. 69 p.

MOSCOW. GORODSKOE EKSKURSIONNOE BIURO. [Excursions to the Moscow environs] Ekskursii po Podmoskov'iu. [Moskva] Moskovskii rabochii, 1963. 54 p. illus.

MOSCOW. UNIVERSITET. [Atlas of Kustanay Province] Atlas Kustanaiskoi oblasti. Moskva, Glav. upr. geodez. i kartografii Gos. geol. kom-ta SSSR, 1963. 79 p.

MOSCOW-GORKIY-MOSCOW; guidebook on the Moscow Canal, and the Volga, Oka, and Moscow Rivers] Moskva-Gor'kii-Moskva; putevoditel' po kanalu imeni Moskvy, Volge, Oke i Moskve-reke. Moskva, Izd-vo "Transport," 1964. 101 p. illus.

OBUT, A. M., and R. F. SOBOLEVSKAIA. [Ordovician graptolites of the Taymyr Peninsula] Graptolity ordovika Taimyra. Moskva, Izd-vo "Nauka," 1964. 91 p. illus.

OKLADNIKOV, A. P. [Deer with Golden Antlers; stories about hunts for rock drawings] Olen' Zolotye Roga' rasskazy ob okhote za naskal'nymi risunkami. [Leningrad, "Iskusstvo," 1964] 236 p. illus.

PAFFENGOL'TS, K. N., and G. T. TER-MESROPIAN. [Aragats; geological outline of the Aragats volcanic massif] Aragats; geologicheskii ocherk Aragatskogo vulkanicheskogo massiva. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 78 p.

PANKRUSHEV, G. A. [The tribes of Karelia during the Neolithic and early metal age] Plemena Karelii v epokhu neolita i rannego metalla. Moskva, Izd-vo "Nauka," 1964. 149 p. illus.

PCHELINTSEV, A. M. [Structure and physicomechanical properties of frozen ground] Stroenie i fiziko-mekhanicheskie svoistva merzlykh gruntov. Moskva, Izd-vo "Nauka," 1964. 259 p.

PERCHUK, L. L. [Physicochemical petrology of the granitoid and alkali intrusions of the central Turkestan and Alay Ranges] Fiziko-khimicheskaia petrologiia granitoidnykh i shchelochnykh intruzii TSentral'nogo Turkestano-Alaia. Moskva, Izd-vo "Nauka," 1964. 240 p.

PETRUSHEVSKII, B. A. [Problems in the geological history and tectonics of Eastern Asia] Voprosy geologicheskoi istorii i tektoniki Vostochnoi Azii. Moskva, Izd-vo "Nauka," 1964. 299 p.

PILAT, I. N. [Do you know Kishinev?] Znaesh' li ty Kishinev? Kishinev, Kartia Moldoveniaske, 1964. 37 p.

POKAZAN'EV, A. A. [The city where I live] Gorod, v kotorom ia zhivu. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 71 p.

PRYLYPKO, IA. P. [Ethnocultural ties of the Bulgarians and eastern Slavs; from materials pertaining to dress] Etnokul'turni zv'iazky bolhar i skhidnykh slov'ian; na materiali odiahu. Kyiv, Naukova dumka, 1964. 133 p.

RAZNITSYN, V. A. [Tectonics of the southern Timan Range] Tektonika IUzhnogo Timana. Moskva, Izd-vo "Nauka," 1964. 149 p.

RIGA. JURMALA. SIGULDA. Riga, Latvijas Valsts izd-ba, 1963. 1 v. (chiefly illus. Insert) [In 5 languages]

SALAZANOV, V. V. [Spring runoff of the rivers in the upper Dnieper Basin; conditions governing their formation and the forecasting methods] Vesenii stok rek basseina Verkhnego Dnepra; usloviia formirovaniia i metody prognozov. Leningrad, Gidrometeoizdat, 1964. 141 p.

[SEISMICITY OF UZBEKISTAN] Seismichnost' Uzbekistana. [By] E. M. Butovskaia i dr. Tashkent, Izd-vo "Nauka" UzSSR.

No. 2. [Tashkent and Yuzhnyy seismic regions, the central part of the Chatkal Range] Pritashkentskii i IUzhnyi seismicheskie raiony, tsentral'naia chast' Chatkal'skogo khrebta. 1964. 121 p.

SELIN, IU. I. [Stratigraphy and Oligocene mollusks in the Bol'shoy Tokmak manganese ore region] Stratigrafiia i molliuski oligotsena Bol'she-Tokmakskogo margantsevorudnogo raiona. Moskva, Izd-vo "Nedra," 1964. 238 p. illus.

SEMENENKO, N. P. [Metamorphism of mobile belts] Metamorfizm podvizhnykh zon. Kiev, Izd-vo Akad. nauk USSR, 1963. 256 p.

SEMENENKO, N. P. [Structural geology map of the Ukrainian Crystalline Shield on a 1:1,000,000 scale] Geologo-tektonicheskaia karta Ukrainskogo kristallicheskogo shchita. Masshtab 1:1000000. Kiev, Izd-vo AN USSR, 1964. 14 p. fold. map.

SHARKOV, V. V. [Geology of the underground slope of the western coast of the Caspian Sea (from the city of Makhachkala to the Kura estuary)] Geologiia podvodnogo sklona zapadnogo berega Kaspiiskogo moria (ot g. Makhachkala do ust'ia r. Kury). Moskva, Izd-vo "Nauka," 1964. 429 p. maps (in pocket insert)

SHIKHALIBEILI, E. SH. [Geology and the history of the tectonic development of the eastern part of the Lesser Caucasus (within the borders of Azerbaijan)] Geologicheskoe stroenie i istoriia tektonicheskogo razvitiia vostochnoi chasti Malogo Kavkaza (v predelakh Azerbaidzhana). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.

Vol. 1. [Stratigraphy of Mesozoic sediments] Stratigrafiia mezokainozoiskikh otlozhenii. 1964. 304 p. diagr. (insert)

SHITAREV, G. I. [Sun of socialism over the Red River] Solntse sotsializma nad Krasnoi rekoi. Moskva, Izd-vo "Nauka," 1964. 71 p.

SHOLPO, V. N. [Types and formation of folds in the shale-bearing part of Daghestan] Tipy i usloviia formirovaniia skladchatosti slantsevogo Dagestana. Moskva, Izd-vo "Nauka," 1964. 167 p.

SIRGE, RUDOLF. [From various points of the compass; a travel report] Mitmest kaarest; reisireportaaz. Tallinn, Eesti Riiklik Kirjastus, 1964. 330 p. [In Estonian]

[SMOLENSK; views of the city] Smolensk; vidy goroda. [n. p.] 1963. 1 v. (chiefly illus.) [Text in Russian, German, and English]

SMUUL, JUHAN. [Sea of Japan, December] Jaapani meri, detsember. Tallinn, Eesti Riiklik Kirjastus, 1963. 141 p. (Reisikirjelduste sari "Maailm ja monda") [In Estonian]

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition. Trudy] Leningrad, Izd-vo "Morskoi transport."

Vol. 8. [Second Continental Expedition, 1956-1958; general description] Vtoraia kontinental'naia ekspeditsiia, 1956-1958 gg., obshchee opisanie. Pod red. A. F. Treshnikova. 1960. 205 p.

STRABO. [Geography in 17 books. Translated from the Greek] Geografiia v 17 knigakh. Perevod, stat'ia i kommentarii G. A. Stratanovskogo. Pod obshchei red. S. L. Utchenko. Red. perevoda O. O. Kriuger. [Leningrad] Izd-vo "Nauka," 1964. 940 p. (Klassiki nauki)

[STRATIGRAPHY OF THE UKRAINIAN S. S. R. IN ELEVEN VOLUMES] Stratigrafiia URSR v odynadtsiaty tomakh. Holovnyi red. V. H. Bondarchuk. Red. rada: D. IE. Aizenverg ta inshi. Kyiv, Vyd-vo Akad. nauk URSR.

Vol. 9. Siabriai, V. T., ed. [Paleogene] Paleogen. 1963. 318 p.

STREL'NIKOV, B. G. [New York evenings] N'iu-Iorkskie vechera. Moskva, Izd-vo "Pravda," 1964. 61 p. (Biblioteka "Ogonek," no. 7)

[STUDY OF THE GEOLOGY OF THE U. S. S. R.] Geologicheskaia izuchennost' SSSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR.

Vol. 46. [Kirghiz S. S. R., Kirgizskaia SSR] period 1951-1955.

No. 1. [Published literature] Opublikovannaia literatura. 1963. 158 p.

SVET, IA. M. [Navigator from foggy Albion (James Cook)] Moreplavatel' tumannogo Al'biona (Dzhems Kuk). Moskva, Geografgiz, 1963. 78 p. (Zamechatel'nye geografy i puteshestvenniki)

[THERMAL PROPERTIES OF ICE ON THE ANGARA RIVER] Ledotermika Angary. [By] IA. L. Gotlib i dr. Leningrad, Gidrometeoizdat, 1964. 196 p.

[TOURIST ROUTES THROUGH WHITE RUSSIA] Turistskie marshruty po Belorussii. [By] V. A. Dement'ev i dr. Minsk, Izd-vo "Narodnaia asveta," 1964. 256 p.

TSURIKOVA, A. P., and E. F. SHUL'GINA. [Hydrochemistry of the Sea of Azov] Gidrokhimiia Azovskogo moria. Leningrad, Gidrometeoizdat, 1964. 257 p.

VAARANDI, DEBORA. [Cities evoking reminiscences] [illegible] malestuste linnad. Tallinn, Eesti Riiklik Kirjastus, 1964. 272 p. [In Estonian]

VILJANDI. Tallinn, Eesti Riiklik Kirjastus, 1964. 63 p. chiefly illus. [In Estonian]

VILNIUS. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. [6] p. plates. [In 6 languages]

[YAROSLAVL'; along the streets and squares of the city] IAroslavl'; po ulitsam i ploshchadiam goroda. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. [23] p. (chiefly illus.)

(MH)

ZAGORODNYI, V. G., D. D. MIRSKAIA, and S. N. SUSLOVA. [Geology of the Pechenga sedimentary and volcanic series] Geologicheskoe stroenie Pechengskoi osadochno-vulkanogennoi serii. Moskva, Izd-vo "Nauka," 1964. 206 p.

ZEIDS, T. [Instructions in the use of schematic maps of the history of the Latvian S.S.R.] Noradijumi Latvijas PSR vestures kartoshemu lietotajiem. Riga, Latvijas Valsts izd-ba, 1964. 40 p. [In Latvian]

ZHURAVLEVA, I. T., K. N. KONIUSHKOV, and A. IU. ROZANOV. [Siberian Archaeocyathi; double-walled Archaeocyathi] Arkheotsiaty Sibiri; dvustennye arkheotsiaty. Moskva, Izd-vo "Nauka," 1964. 132 p. illus.

13. SCIENCE

ABLIAEV, SH. A., and S. V. STARODUBTSEV. [Radiation effects on the surfaces of gels] Radiatsionnye effekty na poverkhnostiakh gelei. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 123 p.

ABRAMOV, A. I. [Measuring the immeasurable] Izmerenie "neizmerimogo." Moskva, Atomizdat, 1964. 205 p. (Nauchno-populiarnaia biblioteka Atomizdata)

AGARKOV, G. B. [Neural apparatus of the adrenal glands] Nervnyi apparat nadpochechnykh zhelez. [Moskva] Meditsina, 1964. 188 p.

AKADEMIIA NAUK MOLDAVSKOI SSR. Institut zoologii. [Papers on neurophysiology] Sbornik po neirofiziologii. Kishinev, Kartia Moldoveniaske, 1963. 99 p.

AKADEMIIA NAUK SSSR. Biblioteka otdeleniia biologicheskikh nauk. [Ultrasound in biology; bibliography of Soviet and foreign literature for 1950-1962] Ul'trazvuk v biologii; bibliografiia otechestvennoi i inostrannoi literatury za 1950-1962 gg. Moskva, Izd-vo "Nauka," 1964. 181 p.

AKADEMIIA NAUK SSSR. IAkutskii filial, YAkutsk. Institut biologii. [Studies on the ecology, dynamics of abundance and diseases of mammals of Yakutia] Issledovaniia po ekologii, dinamike chislennosti i bolezniam mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 285 p.

AKADEMIIA NAUK SSSR. Institut evoliutsionnoi fiziologii. [Evolution of the functions; physiological, biochemical and structural foundations of the evolution of the functions. Festschrift for the 80th anniversary of Academician L. A. Orbeli] Evoliutsiia funktsii; fiziologicheskie, biokhimicheskie i strukturnye osnovy evoliutsii funktsii. Sbornik posviashchennyi 80-letiiu akademika L. A. Orbeli. Moskva, Izd-vo "Nauka," 1964. 290 p.

AKADEMIIA NAUK SSSR. Institut morfologii zhivotnykh. [Morphological characteristics of aquatic mammals] Morfologicheskie osobennosti vodnykh mlekopitaiushchikh. Moskva, Izd-vo "Nauka," 1964. 126 p.

AKADEMIIA NAUK SSSR. Institut vysshei nervnoi deiatel'nosti i neirofiziologii. [Mechanisms of compensatory adaptations; electrophysiological analysis of compensatory functions] Mekhanizmy kompensatornykh prisposoblenii; elektrofiziologicheskii analiz kompensatsii funktsii. Moskva, Izd-vo "Nauka," 1964. 204 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii biologicheskii institut. [Growth regulators and the growth of plants] Reguliatory rosta i rost rastenii. Moskva, Izd-vo "Nauka," 1964. 222 p.

AKADEMIIA NAUK URSR, Kiev. Holovna astronomichna observatoriia. [Problems in astrometry] Voprosy astrometrii. Kiev, "Naukova dumka," 1964. 94 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut iadernoi fiziki. [Radiation effects in biological media and organisms and the methods of their investigation] Radiatsionnye effekty v biologicheskikh sredakh i organizmakh i metody ikh issledovaniia. Tashkent, Izd-vo "Nauka" Uzvekskoi SSR, 1964. 141 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut iadernoi fiziki. [Radiation effects in condensed media] Radiatsionnye effekty v kondensirovannykh sredakh. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 149 p.

AKADEMIIA NAVUK BSSR, Minsk. Institut eksperimental'noi botaniki i mikrobiologii. [Physiological characteristics of cultivated plants] Fiziologicheskie osobennosti kul'tiviruemykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 130 p.

AKIMUSHKIN, I. I. [Discovery of the "sixth sense"] Otkrytie "shestogo chuvstva." Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 1)

ALBRECHT, ZINAIDA. [Estonian Orthoptera (Orthoptera s. Saltatoria)] Eesti sikhtiivalised (Orthoptera s. Saltatoria). Tartu, Eesti NSV Teaduste Akadeemia, 1963. 146 p. [In Estonian]

AMOSOV, N. M. [Regulation of vital functions and cybernetics] Reguliatsiia zhiznennykh funktsii i kibernetika. Kiev, Izd-vo "Naukova dumka," 1964. 113 p. (Nauchno-populiarnaia literatura)

AUMEES, LEO. [The bird population of Vilsandi] Vilsandi linnuriik. Tallinn, Eesti Riiklik Kirjastus, 1963. 54 p. [In Estonian]

BALABANOV, E. M. [The sun on the earth; talks about the atom, its nucleus, and their energy] Solntse na Zemle; rasskazy ob atome, atomnom iadre i ikh energii. Izd. 2., dop. [Moskva] Molodaia gvardiia, 1964. 278 p.

BENDRIKOV, G. A., and K. F. TEODORCHIK. [Trajectories of the roots of linear automatic systems] Traektorii kornei lineinykh avtomaticheskikh sistem. Moskva, Izd-vo "Nauka," 1964. 159 p.

BERLIAND, T. G., ed. [Actinometric reference book: foreign countries; annual data] Aktinometricheskii spravochnik: zarubezhnye strany; ezhegodnye dannye. Leningrad, Gidrometeoizdat, 1964. 261 p.

[BIRTH AND EVOLUTION OF THE GALAXIES AND STARS; the third discussion] Rozhdenie i evoliutsiia galaktik i zvezd; beseda tret'ia. [By] V. A. Ambartsumian i dr. Moskva, Izd-vo "Znanie," 1964. 27. p. (Novoe v zhizni, nauke, tekhnike. Seriia IX: Fizika, matematika, astronomiia, no. 12)

BOGUSHEVSKII, K. S. [Problems of teaching geometry in eight-year schools; manual for teachers] Voprosy prepodovaniia geometrii v vos'miletnei shkole; posobie dlia uchitelei. Moskva, Izd-vo "Prosveshchenie," 1964. 109 p.

BOIKO, E. I. [Reaction time in man; history, theory, present-day status and practical significance of chronometric studies] Vremia reaktsii cheloveka; istoriia, teoriia, sovremennoe sostoianie i prakticheskoe znachenie khronometricheskikh issledovanii. Moskva, Meditsina, 1964. 439 p.

BOROVKOV, A. A., N. P. MARKOVA, and N. M. SYCHEVA. [Tables for N. V. Smirnov's criteria of the uniformity of two samples] Tablitsy dlia kriteriev N. V. Smirnova odnorodnosti dvukh vyborok. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 139 p.

BUDAGOVSKII, A. I. [Evaporation of soil moisture] Isparenie pochvennoi vlagi. Moskva, Izd-vo "Nauka," 1964. 242 p.

CHALTYKIAN, O. A. [Cupro catalysis] [illegible]. Erevan, Armgosizdat, 1963. 133 p.

CHERNYSHEV, V. N. [Lasers in outer space, on earth, and under water] Lazery v kosmose, na zemle i pod vodoi. Moskva, Voenizdat, 1964. 102 p.

CIPENS, GUNARS. [Chemical foundations of heredity and mutation] Iedzimtibas un mainibas kimiskie pamati. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 106 p. [In Latvian]

CUDARS, JAZEPS, and ALEKSANDRS, OKMANIS. [Thermonuclear reactions in the cosmos and experiments] Kodoltermiskas reakcijas kosmosa un eksperimentos. Riga, Latvijas Valsts izd-ba, [illegible] 122 p. [In Latvian]

DEVIATYKH, G. G., and others. [Manual of laboratory work in inorganic chemistry] Rukovodstvo k prakticheskim zaniatiiam po neorganicheskoi khimii. Izd. 2., isp. i dop. Pod red. G. G. Deviatykh. Moskva, Vysshaia shkola, 1964. 282 p.

DORFMAN, TS. IA., and ADRAM URMEI[illegible]. [Wind regime of the Lithuanian S.S.R. and Kaliningrad Province of the R.S.F.S.R.] Vetrovoi rezhim po territorii Litovskoi SSR i Kaliningradskoi oblasti RSFSR. Vil'nius, Gospolitnauchizdat Litovskoi SSR, 1964. 67 p.

DREVING, V. P., and IA. A. KALASHNIKOV. [Phase rule with a presentation of the elements of thermodynamics] Pravilo faz s izlozheniem osnov termodinamiki. Izd. 2., perer. i dop. [Moskva] Izd-vo Mosk. univ., 1964. 454 p.

DUBOSHIN, G. N. [Celestial mechanics; analytical and qualitative methods] Nebesnaia mekhanika; analiticheskie i kachestvennye metody. Moskva, Izd-vo "Nauka," 1964. 500 p.

DYMOVICH, N. D. [The ionosphere and its study] Ionosfera i ee issledovanie. Moskva, Izd-vo "Energiia," 1964. 39 p. (Massovaia radiobiblioteka, no. 513)

ERSHOV, A. P., G. I. KOZHUKHIN, and IU. M. VOLOSHIN. [Address language for automatic programming systems] Vkhodnoi iazyk dlia sistem avtomaticheskogo programmirovaniia. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 73 p.

[FLORA OF KAZAKHSTAN] Flora Kazakhstana. Glav. red. N. V. Pavlov. Sost. A. N. Vasil'eva i dr. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol. 7. 1964. 494 p.

FUKS, B. A., and B. V. SHABAT. [Functions of complex variables and some of their applications] Funktsii kompleksnogo peremennogo i nekotorye ikh prilozheniia. Izd. 3. Moskva, Izd-vo "Nauka," 1964. [illegible] p. (Fiziko-matematicheskaia biblioteka inzhenera)

GIL'DENBLAT, A. A., and I. F. ZAIANCHKOVSKII. [Academician K. I. Skriabin and Soviet helminthology] Akademik K. I. Skriabin i sovetskaia gel'mintologiia. Moskva, Sel'khozizdat, 1963. 173 p.

GOL'DIN, L. L., and others, comps. [Laboratory manual on physics] Rukovodstvo k laboratornym zaniatiiam po fizike. Pod red. L. L. Gol'dina. Moskva, Izd-vo "Nauka," 1964. 670 p.

GRABOVSKII, R. I. [Physics course for agricultural institutes] Kurs fiziki dlia sel'skokhoziaistvennykh institutov. Moskva, Vysshaia shkola, 1963. 535 p.

GRANITOV, I. I. [Plant cover of the southwestern Kyzylkum] Rastitel'nyi pokrov IUgo-Zapadnykh Kyzylkumov. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR.
Vol. 1. 1964. 334 p.

GRAVA, A., and O. TREILIBS. [Algebra and elementary functions of geometry; textbook for teachers of grade 9] Algebra un elementaras funkcijas geometrija; macibu paliglidzeklis skolotajiem 9. klasei. Riga, Latvijas Valsts izd-ba, 1963. 132 p. [In Latvian]

GRECHUSHKINA, M. P. [Tables of the composition of the products of instaneous fission of U^{235}, U^{238}, and Pu^{239}] Tablitsy sostava produktov mgnovennogo deleniia U^{235}, U^{238}, i Pu^{239}. Moskva, Atomizdat, 1964. 67 p.

GUBANOV, N. M. [Helminths of commercial mammals of Yakutia] Gel'mintofauna promyslovykh mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 162 p.

[A GUIDE TO THE BIRDS OF THE U. S. S. R.] Opredelitel' ptits SSSR. [By] N. A. Gladkov i dr. [n. p.] Vysshaia shkola, 1964. 536 p. illus.

GULISASHVILI, V. Z. [Natural zones and the natural history regions of the Caucasus] Prirodnye zony i estestvennoistoricheskie oblasti Kavkaza. Moskva, Izd-vo "Nauka," 1964. 326 p.

[HIGHER MATHEMATICS] Augstaka matematika. [By] N. Brazma un citi. Riga, Latvijas Valsts izd-ba, 1964. 390 p. [In Latvian]

HODREJARV, H., and others. [Laboratory work in general chemistry] Praktilisi toid uldises keemias. Tallinn, Tallinna Polutehniline Instituut, 1963. 153 p. [In Estonian]

IABLONSKII, A. I. [The machine makes a decision] Mashina prinimaet reshenie. Moskva, Izd-vo "Znanie," 1964. 53 p. (Novoe v zhizni, nauke, tekhnike. Seriia IX: Fizika, matematika, astronomiia, no. 14)

KAASIK, U., and A. OJA. [Principal trends in cybernetics] Kuberneetika pohisuundadest. Tallinn, Eesti Riiklik Kirjastus, 1963. 36 p. (Kosmosesajandil) [In Estonian]

KATSKOVA, O. N., and A. N. KRAIKO. [Calculation of plane and axisymmetrical supersonic flows in the presence of irreversible processes] Raschet ploskikh i osesimmetrichenykh sverkhzvukovykh techenii pri nalichii neobratimykh protsessov. Moskva, VTs AN SSSR, 1964. 42 p. (Trudy Vychislitel'nogo tsentra)

KAZARINOV, IU. M., and others. [Measuring the coefficients of spin correlation C_{nn} and C_{kr} in elastic pp-scattering at an energy of 315 Mev, at an angle of 45° in the center-of-mass system] Izmerenie koeffitsientov spinovoi korreliatsii C_{nn} i C_{kr} v uprugom pp-rasseianii pri energii 315 Mev, pod uglom 45 v s.ts.m. Dubna, Ob''edinennyi in-t iadernykh issledovanii, 1964. 11 p.

KHARIN, N. N. [Mathematical logic and the theory of sets; relation between the abstract and the concrete] Matematicheskaia logika i teoriia mnozhestv; o sootnoshenii abstraktnogo i konkretnogo. Pod red. IA. L. Kharapinskogo. [Moskva] Rosvuzizdat, 1963. 181 p.

KOLCHINSKAIA, A. Z. [Anoxia and age] Nedostatok kisloroda i vozrast. Kiev, "Naukova dumka," 1964. 334 p.

KOLESNIKOV, G. S., ed. [Chemical properties and the modification of polymers] Khimicheskie svoistva i modifikatsiia polimerov; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 286 p. (Vysokomolekuliarnye soedineniia)

KOLPAKOV, A. L. [Metals in organic molecules] Metally v organicheskikh molekulakh. Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no. 4)

KONFERENTSIIA MOLODYKH BIOLOGOV KIRGIZII. [Materials of the Conference of Young Biologists of Kirghizistan] Materialy. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR.
Vol. 1. 1963. 128 p.

KONKIN, V. D., and V. I. ZHIKHAREVA. [Complexometric analysis] Kompleksometricheskii analiz. Izd. 2., perer. i dop. Kiev, "Tekhnika," 1964. 255 p.

KORNISHIN, M. S. [Nonlinear problems in the theory of plates and shallow shells and methods for their solution] Nelineinye zadachi teorii plastin i pologikh obolochek i metody ikh resheniia. Moskva, Izd-vo "Nauka," 1964. 191 p.

KORSHAK, V. V., and S. V. VINOGRADOVA. [Polyarylates] Poliarilaty. Moskva, Izd-vo "Nauka," 1964. 67 p.

KORSUNSKII, L. M. [Electromagnetic hydrometric devices] Elektromagnitnye gidrometricheskie pribory. Moskva, Standartgiz, 1964. 179 p.

KREICBERGS, OLGERTS. [Movements of plants] Augu kustibas. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 60 p. [In Latvian]

KREIN, S. G., ed. [Functional analysis] Funktsional'nyi analiz. [By] N. IA Vilenkin i dr. Moskva, Izd-vo "Nauka," 1964. 424 p. (Spravochnaia matematicheskaia biblioteka)

KRYLOV, N. N., P. I. LOBANDIEVSKII, and S. A. MEN. [Descriptive geometry] Nachertatel'naia geometriia. Izd. 2., perer. i dop. Moskva, Vysshaia shkola, 1963. 360 p.

KUKAINE, RITA, and JULIJS JAKOBSONS. [Vitamins and their sources in nature] Vitamini un to avoti daba. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 75 p. [In Latvian]

KUMARI, ERIK. [Bird watching] Kuidas vaadelda linde. Tallinn, Eesti Riiklik Kirjatus, 1963. 280 p. [In Estonian]

LAPIN, B. A., and E. P. LININ. [Monkey farm in Sukhum] Obez'ianii pitomnik v Sukhumi. Moskva, Meditsina, 1964. 53 p. (Nauchno-populiarnaia meditsinskaia literatura)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Astrofizikas laboratorija. [Cosmic noises] Kosmiskie troksni. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 74 p. [In Latvian]

LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. [Actinometric reference book on the U. S. S. R.; period of the IGY and IGC, 1957-1959] Aktinometricheskii spravochnik po territorii SSSR; period MGG i MGS 1957-1959 gg. Pod red. Z. I. Pivovarovoi i T. T. Pleshkovoi. Leningrad, Gidrometeoizdat, 1964. 605 p.

LEONOV, V. P. [Some applications of higher semi-invariants to the theory of stationary random processes] Nekotorye primeneniia starshikh semiinvariantov k teorii statsionarnykh sluchainykh protsessov. Moskva, Izd-vo "Nauka," 1964. 65 p.

LEVANT, G. E., and G. A. RAITSYN. [Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd. 2., isp. i dop. Pod red. I. N. Putilovoi. Moskva, Vysshaia shkola, 1963. 270 p.

LIASHENKO, N. I. [Biology of dormant buds] Biologiia spiashchikh pochek. Moskva, Izd-vo "Nauka," 1964. 85 p.

LIOZNER, L. D., ed. [Compensatory hypertrophy of organs in mammals and man] Kompensatornaia gipertrofiia organov mlekopitaiushchikh zhivotnykh i cheloveka. Moskva, Medgiz, 1963. 317 p.

LUKIN, L. P., and V. V. SEREBRIAKOV. [Solutions to integral equations describing low-energy pion-pion scattering] Resheniia integral'nykh uravnenii nizkoenergeticheskogo pion-pionnogo rasseianiia. Novosibirsk, In-t matem. s vychislitel'nym tsentrom, 1962. 10, xix p.

LUMISTE, ULO. [Differential geometry] Diferentsiaalgeomeetria. Tallinn, Eesti Riiklik Kirjastus, 1963. 235 p. [In Estonian]

MAKEEV, F. I. [Tables of multiplication, division, and percentage calculation] Tablitsy umnozheniia, deleniia i protsentirovaniia. Moskva, Ekonomika, 1964. 305 p.

MARSHAK, M. S., and L. V. BARANOVSKII. [Nutrition of persons of middle and elderly age] Pitanie liudei srednego i pozhilogo vozrasta. Izd. 2. Moskva, Meditsina, 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

MILLERS, ARNOLDS. [Radioactive fallout and its biological significance] Radioaktivie nosedumi un to biologiska loma. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 55 p. [In Latvian]

MIROVOI TSENTR DANNYKH MGG B. [Final catalog of the available data on meteorology for the period of the IGY-IGC] Okonchatel'nyi katalog nalichiia dannykh po meteorologii za period MGG-MGS. Moskva, NIIAK.

____ ____ ____ [Supplement to...] Dopolnenie k... 1964. 32 p.

MOROZHENKO, O. V., and E. H. IANOVYTS'KYI. [Tables for calculating the radiation intensity of planetary atmospheres] Tablytsi dlia rozhrakhunku intensyvnostei vyprominiuvannia atmosfer planet. Kyiv, "Naukova dumka," 1964. 143 p.

MOSCOW. ENERGETICHESKII INSTITUT IMENI G. M. KRZHIZHANOVSKOGO. [Physical gas dynamics. Properties of gases at high temperatures] Fizicheskaia gazodinamika. Svoistva gazov pri vysokikh temperaturakh. Moskva, Izd-vo "Nauka," 1964. 220 p.

MOZZHUKHIN, A. S., and F. IU. RACHINSKII. [Chemical prevention of radiation lesions] Khimicheskaia profilaktika radiatsionnykh porazhenii. Moskva, Gosatomizdat, 1964. 243 p.

MURAV'EV, M. D. [Using the deduction method in investigating basic thermodynamic processes] Issledovanie osnovnykh termodinamicheskikh protsessov deduktivnym metodom. Minsk, Izd-vo "Vysshaia shkola," 1963. 57 p.

NAUCHNAIA KONFERENTSIIA "KATEKHOLAMINY I IKH ROL' V REGULIATSII FUNKTSII ORGANIZMA (BIOKHIMIIA, FIZIOLOGIIA, KLINIKA)," Moscow, 1962. [Adrenaline and noradrenaline; reports] Adrenalin i noradrenalin; [doklady]. Moskva, Izd-vo "Nauka," 1964. 310 p.

NEVSKAIA, N. I. Fedor Aleksandrovich Bredikhin 1831-1904. Moskva, Izd-vo "Nauka," 1964. 252 p. (Nauchno-biograficheskaia seriia)

OIGLANE, HARRI. [Into the depths of the microworld] Mikromaailma sugavusse. Tallinn, Eesti Riiklik Kirjastus, 1963. 336 p. (Teaduse teedelt) [In Estonian]

OSIPOVA, V. A. [Experimental study of heat-exchange processes] Eksperimental'noe issledovanie protsessov teploobmena. Pod red. M. P. Vukalovicha. Moskva, Izd-vo "Energiia," 1964. 327 p.

PARMUZIN, IU. P. [Central Siberia; outline of its nature] Sredniaia Sibir'; ocherk prirody. Moskva, Izd-vo "Mysl'," 1964. 308 p. (Geograficheskaia seriia)

[PHYSICS IN GRAPHS] Fizika v grafikakh. [By] M. S. TSedrik i dr. Minsk, Vysshaia shkola, 1964. 258 p.

[PHYSICS: NEAR AND FAR; problems, on the roads of science, applications, hypotheses] Fizika: blizkoe i dalekoe; problemy, na stykakh nauk, primeneniia gipotezy. Moskva, Izd-vo "Znanie," 1963. 515 p.

RADAKOV, D. V., and V. R. PROTASOV. [The speed of swimming and some characteristics of vision in fish; a reference book] Skorosti dvizheniia i nekotorye osobennosti zreniia ryb; spravochnik. Moskva, Izd-vo "Nauka," 1964. 47 p.

RADUNSKAIA, I. L. [Masers] Mazery; kvantovye generatory. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. Seriia 9: Fizika, matematika, astronomiia, no. 2.

RELVIK, H., and O. SILDE. [Kinetic moment of systems, principal moment of momentum] Susteemi kineetiline moment, liikumishulkade peamoment. Tallinn, Tallinna Polutehniline Instituut, 1963. 100 p. [In Estonian]

[illegible] [Determining macroelements and microelements; how to determine, by fast colorimetric methods, macroelements and microelements in plants, soil, water, and animals] Makroelementu un mikroelementu noteikšana. Ka noteikt ar atram kolorimetriskam metodem makroelementus un mikroelementus augos, augsnē, ūdenī un dzīvniekos. Riga, Latvijas Valsts izdevniecība, 1964. 136 p. [In Latvian]

RIVKIN, S. L. [Thermodynamic properties of gases] Termodinamicheskie svoistva gazov. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 294 p.

RUDENKO, N. P., and A. I. SEVAST'IANOV. [Radioactive beryllium isotopes Be^7 and B^{10}] Radioaktivnye izotopy berilliia Be^7 and B^{10}. Moskva, Atomizdat, 1964. 22 p.

SAZHIN, B. I. [Electric conductivity of polymers] Elektroprovodnost' polimerov. Pod red. G. P. Mikhailova. Moskva, Izd-vo "Khimiia," 1964. 115 p.

[SCHOOL ASTRONOMICAL CALENDAR FOR 1964] Shkol'nyi astronomicheskii kalendar' na 1964 god. Vyp. chetyrnadtsatyi. Moskva, Uchpedgiz, 1963. 70 p.

[SCIENCE PENETRATES INTO THE UNKNOWN] Nauka vtorgaetsia v neizvedannoe. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 2)

SELESHNIKOV, S. I. [The ABC's of the starry sky] Azbuka zvezdnogo neba. Leningrad, Obshchestvo "Znanie" RSFSR, 1963. 62 p.

SEMENOV, S. P., I. G. URAZOV, and T. I. ENTIN. [Manual for practical work in general histology with elements of microscopic anatomy] Posobie k prakticheskim zaniatiiam po obshchei gistologii s elementami mikroskopicheskoi anatomii. [Leningrad] Izd-vo Leningr. univ., 1964. 67 p.

SEMISHIN, V. I. [Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd. 5., ispr. i dop. Moskva, Izd-vo "Khimiia," 1964. 383 p.

SERGEEV, IU. P. [Morphological fundamentals of reflex contractures] Morfologicheskie osnovy reflektornykh kontraktur. Moskva, Meditsina, 1964. 231 p.

SHVARTZ, S. S., ed. [Problems of the intraspecific variability of terrestrial vertebrates and microevolution] Voprosy vnutrividovoi izmenchivosti nazemnykh pozvonochnykh zhivotnykh i mikroevoliutsiia. Sverdlovsk, In-t biologii Ural'skogo filiala Akad. nauk SSSR, 1964. 159 p.

SIBIRSKOE SOVESHCHANIE PO SPEKTROSKOPII. 1st, Kemerovo, 1962. [Spectroscopy; methods and applications] Spektroskopiia; metody i primenenie. Moskva, Izd-vo "Nauka," 1964. 213 p.

SKOROKHOD, A. V. [Random processes with independent increments] Sluchainye protsessy s nezavisimymi prirashcheniiami. Moskva, Izd-vo "Nauka," 1964. 278 p. (Teoriia veroiatnostei i matematicheskaia statistika)

SMIRNOV, N. N. [Manual for persons engaged in the procurement and gathering of medical technical raw materials in the Urals, Siberia, and the Far East] Pamiatka zagotoviteliu i sborshchiku lekarstvenno-tekhnicheskogo syr'ia Urala, Sibiri i Dal'nego Vostoka. 2 izd., dop. [Omsk] Omskoe knizhnoe izd-vo, 1963. 93 p.

SOBOLEV, L. V. [Short textbook on physics for students entering schools of higher learning] Kratkoe posobie po fizike dlia postupaiushchikh v vuzy. [Moskva] Izd-vo Mosk. univ., 1964. 359 p.

SOKOLOVSKII, IU. I. [Theory of relativity in an elementary explanation] Teoriia otnositel'nosti v elementarnom izlozhenii. Izd. 2., perer. Moskva, Izd-vo "Nauka," 1964. 197 p.

SOLOV'EV, IU. I. [Outline history of physical chemistry] Ocherki po istorii fizicheskoi khimii. Moskva, Izd-vo "Nauka," 1964. 341 p.

SPASSKII, B. I. [History of physics] Istoriia fiziki. [Moskva] Izd-vo Mosk. univ.
Pt. 2. 1964. 299 p.

SRAPIONOV, A. S. [Radioactivity and dosimetric control] Radioaktivnost' i dozimetricheskii kontrol'. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 207 p.

STEFANOVSKAIA, Z. F. [Laboratory manual in organic chemistry] Rukovodstvo k laboratornym zaniatiiam po organicheskoi khimii. Moskva, Vysshaia shkola, 1964. 63 p.

STRADINS, JANIS. [People, experiments, ideas; essays on the activity of some famous physicochemists] Cilveki, eksperimenti, idejas; dazu slavenu fizikokimiku darbibas apceres. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 270 p. [In Latvian]

TALTS, ERIKA. [Lectures on the chemistry of colloids] Kolloidkeemia loengud. Tallinn, Tallinna Polutehniline Instituut. [In Estonian]
Ch. 10. [High-molecular compounds and their solutions] Korgmolekulaarsed uhendid ja nende lahused. 1964. 39 p.

TARVYDAS, L. [Mysteries of life] Gyvybes paslaptys. Vilnius, Valstybine polit. ir mokslines lit-ros leidykla, 1964. 44 p. [In Lithuanian]

TEIFEL', V. G. [Giant planets] Planety-giganty. Moskva, Izd-vo "Nauka," 1964. 84 p. (Populiarnye lektsii po astronomii, no. 13)

TIKHOMIROV, F. K. [Botany] Botanika. Moskva, Vysshaia shkola, 1964. 379 p.

TROFIMOV, B. A. [Bones of a dragon] Kosti drakona. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 5)

VAGANE, EINAR. [Wholesome nutrition] Tervislikust toitumisest. Tallinn, Eesti Riiklik Kirjastus, 1964. 50 p. (Teadus ja tervis) [In Estonian]

VESELOVSKII, V. N. [Philosophical significance of the conservation of matter and motion] Filosofskoe znachenie zakonov sokhraneniia materii i dvizheniia. Moskva, "Mysl'," 1964. 142 p.

VILENSKII, M. E. [Your enemy Teller] Vash vrag Teller. Moskva, Politizdat, 1964. 38 p. (Vot oni beshenye)

VOLOKHOV, A. N., and others. [Problems in physics with examples of their solution and reference materials] Zadachnik po fizike s primerami resheniia zadach i spravochnymi materialami. Pod red. A. G. Chertova. [Petrozavodsk] Rosvuzizdat, 1963. 399 p.

VOVCHENKO, P. G. [Riddles of the atmospheric elements] Zagadki vozdushnoi stikhii. Leningrad, Gidrometeoizdat, 1964. 135 p.

VSESOIUZNOE GIDROBIOLOGICHESKOE OBSHCHESTVO. [Ecology of invertebrates in the southern seas of the U. S. S. R.] Ekologiia bespozvonochnykh iuzhnykh morei SSSR. Moskva, Izd-vo "Nauka," 1964. 156 p.

VSESOIUZNOE GIDROBIOLOGICHESKOE OBSHCHESTVO. [Marine flora resources and their use] Zapasy morskikh rastenii i ikh ispol'zovanie. Moskva, Izd-vo "Nauka," 1964. 90 p.

[WHAT DO PHYSICISTS THINK ABOUT] Nad chem dumaiut fiziki. Pod red. B. V. Medvedeva i D. V. Shirkova. Moskva, Fizmatgiz.
No. 1. [Nuclear physics. Translated from the English] Fizika atomnogo iadra. 1962. 99 p.

ZASOV, V. D. [Projections with numerical marks; a book of problems] Proektsii s chislovymi otmetkami; zadachnik. [n. p.] Rosvuzizdat, 1963. 167 p.

ZHERNOVOI, A. I., and G. D. LATYSHEV. [Nuclear magnetic resonance in a flowing liquid] IAdernyi magnitnyi rezonans v protochnoi zhidkosti. Moskva, Atomizdat, 1964. 252 p.

14. MEDICINE

ARKHANGEL'SKAIA-LEVINA, M. S. [Basic stages in the management of surgical patients] Osnovnye etapy vedeniia khirurgicheskikh bol'nykh. Moskva, Izd-vo "Meditsina," 1964. 220 p. (Biblioteka prakticheskogo vracha)
(DNLM)

ARUTIUNOV, A. I., and K. E. RUDIAK. [Tumors of the brain and the spinal cord; bibliography of Russian literature, 1917-1961] Opukholi golovnogo i spinnogo mozga; bibliografiia otechestvennoi literatury 1917-1961 gg. Kiev, Gosmedizdat USSR, 1963. 403 p.

BLIUGER, A. F. [Structure and function of the liver in epidemic hepatitis] Struktura i funktsiia pecheni pri epidemicheskom gepatite. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 390 p.
(DNLM)

BORISOGLEBSKII, L. L. [When medicine becomes a business; essays on contemporary American medicine] Kogda meditsina - biznes; ocherki sovremennoi amerikanskoi meditsiny. Moskva, Meditsina, 1964. 86 p. (Nauchno-populiarnaia meditsinskaia literatura)

BORISOVETS, L. F. [Studying the disease incidence of agricultural machinery operators] Opyt izucheniia zabolevaemosti mekhanizatorov sel'skogo khoziaistva. Moskva, Meditsina, 1964. 60 p. (Peredovoi opyt organizatsii zdravookhraneniia)
(DNLM)

BRUSHLOVSKII, I. A., and V. N. MILOSLAVSKII. [Saki; an historical regional study] Saki; istoriko-kraevedcheskii ocherk. Simferopol', Krymizdat, 1964. 79 p.
[DNLM]

BUIANOV, V. M., L. I. KLIONER, and V. M. SERGEEV. [Textbook of surgery] Uchebnik khirurgii. Moskva, Meditsina, 1964. 423 p.
(DNLM)

CHALISOV, I. A., and A. T. KHAZANOV. [Pathoanatomical diagnosis of some infectious diseases in man] Patologoanatomicheskaia diagnostika nekotorykh infektsionnykh boleznei cheloveka. [Leningrad] Meditsina, 1964. 123 p.
(DNLM)

CHERNOV, V. A. [Cytostatic substances in the chemotherapy of malignant neoplasms] TSitostaticheskie veshchestva v khimioterapii zlokachestvennykh novoobrazovanii. Moskva, Meditsina, 1964. 318 p.
(DNLM)

DERECHINSKAIA, SH. L. [Health of the nursing infant] Zdorov'e grudnogo rebenka. Moskva, Izd-vo "Znanie," 1964. 30 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 10)

DOMBROVSKAIA, IU. F. [Vitamin deficiency in children] Vitaminnaia nedostatochnost' u detei. Moskva, Medgiz, 1963. 311 p.
(DNLM)

DYGIN, V. P. [Autoimmune diseases of the blood system; serology, clinical aspects and treatment] Autoimmunnye zabolevaniia sistemy krovi; serologiia, klinika i lechenie. Leningrad, Meditsina, 1964. 221 p.
(DNLM)

DZHAVAD-ZADE, M. D. [Polycystic diseases of the kidneys; clinical aspects and treatment] Polikistoz pochek; klinika i lechenie. Moskva, Meditsina, 1964. 242 p.
(DNLM)

EPSHTEIN, G. IA., ed. [Traumatology and restorative surgery in children; selected chapters] Travmatologiia i vosstanovitel'naia khirurgiia detskogo vozrasta; izbrannye glavy. [Leningrad] Meditsina, 1964. 334 p.
(DNLM)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Meditsina, 1964. [illegible] p. [illegible]
(DNLM)

[illegible] Meditsina, 1964. [illegible]
(DNLM)

[illegible] (DNLM)

[illegible] [Surgery of [illegible] tuberculosis] [illegible] Meditsina, 1964. [illegible] p.
(DNLM)

[illegible] [Pushcha-Voditsa Health Resort] Kurort Pushcha-Voditsa. Kiev, Gosmedizdat USSR, 1963. 71 p.
(DNLM)

[illegible] Minsk, [illegible] 1964. [illegible]
(DNLM)

[illegible]

[illegible]

[illegible]

[illegible] Moskva, Meditsina, 1964. [illegible]
(DNLM)

[illegible]

[illegible]

[illegible]
(DNLM)

[illegible] [Progress in the diagnosis and treatment of nervous diseases, [illegible]] [illegible] Moskva, 1963. [illegible] p.
(DNLM)

[illegible] [Bronchopulmonary [illegible] clinical and pathomorphological study. Translated from the Rumanian] [illegible] Bucharest, [illegible] 1963. 155 p.
(DNLM)

[illegible] [From death to life] [illegible] Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: [illegible] no. 8)

NEVRKH, V.A. [Bibliography of Russian otorhinolaryngological literature (1700 - 1963) in five volumes] [illegible] literatury (1700 - 1963 gg.) v 5 tomakh. Pod red. [illegible] Moskva, [illegible]
Vol. 1. 1964. 502 p.

[illegible] 1963. 74 p.

[illegible] [Influenza and pulmonary inflammation in young children] [illegible] Moskva, Meditsina, 1964. 16 p. [illegible]
(DNLM)

[illegible] [Mental illnesses, popular science essays] [illegible] Minsk, Izd-vo "Belarus'," 1964. 110 p. (Nauchno-populiarnaia literatura)
(DNLM)

[illegible] [Care of mental patients and mental illnesses] [illegible] Moskva, Meditsina, 1964. 174 p. [illegible]
(DNLM)

[illegible] [History, etiology and problems in the [illegible]] [illegible] Meditsina, 1964. [illegible]
(DNLM)

[illegible] Meditsina, 1964. [illegible]
(DNLM)

[illegible] Meditsina, 1964. [illegible] (Nauchno-populiarnaia literatura)

[illegible] Moskva, [illegible] 1964. [illegible]

[illegible] Moskva, [illegible] 1964. [illegible]

[illegible] Moskva, Meditsina, 1964. 57 p. [illegible]
(DNLM)

[illegible] 1964. [illegible] p.
(DNLM)

[illegible] [Selected problems of epidemiology] [illegible] Moskva, Meditsina, 1964. 135 p.
(DNLM)

[illegible] [Lesions and orthopedic diseases caused by activities in physical culture and sports] [illegible] Moskva, Izd-vo "Meditsina," 1964. 235 p. [illegible]
(DNLM)

[illegible] [Ways of preventing cancer] Puti preduprezhdeniia rakovoi bolezni. Moskva, Meditsina, 1964. 31 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

RYZHOV, P.V. [Preoperative and postoperative periods in elderly patients] Predoperatsionnyi i posleoperatsionnyi periody u bol'nykh pozhilogo vozrasta. Kishinev, Kartia Moldoveniaske, 1964. 187 p.
(DNLM)

[SCIENTIFIC MEDICAL LITERATURE OF THE U.S.S.R.; index of books and articles for the first half of 1961] Nauchnaia meditsinskaia literatura SSSR; ukazatel' knig i statei za pervoe polugodie 1961 g. Sost. Bibliograficheskim otdelom GTsNMB. Pod red. N.S. Korsakovoi. Moskva, Meditsina, 1964. 781 p.

SERPOKRYL, N.V., F.A. AVERBAKH, and M.N. OSTROVSKAIA. [Methodological fundamentals of medical expertise on the capacity for work in diseases of the visual organ; manual for ophthalmologists of therapeutic institutions and Medical Expert Commissions on Working Ability, and teachers of medical institutes] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniiakh organa zreniia; posobie dlia oftal'mologov lechebnykh uchrezhdenii i VTEK, prepodavatelei meditsinskikh institutov. Pod red. A.F. Tret'iakova. Moskva, Medgiz, 1963. 129 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SHAKHNOVICH, R.A., ed. [Methodological fundamentals of medical expertise on the capacity for work in diseases of the peripheral nervous system] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniiakh perifericheskoi nervnoi sistemy. Moskva, Meditsina, 1964. 111 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SHUB, R.L. [Vitamins for the mother and child] Vitaminy materi i rebenku. Moskva, Meditsina, 1964. 15 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

SHUR, I.V. [Diseases of salmonellosis etiology] Zabolevaniia salmonelleznoi etiologii. Moskva, Meditsina, 1964. 225 p.
(DNLM)

SIGAL, M.Z. [Transillumination in surgery on the stomach] Transilliuminatsiia pri operatsiiakh na zheludke. Moskva, Meditsina, 1964. 187 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SIMPOZIUM PO BOR'BE S PERINATAL'NOI SMERTNOST'IU, Moscow, 1962. [Ways of decreasing perinatal mortality; transactions] Puti snizheniia perinatal'noi smertnosti; trudy. Pod red. V.I. Bodiazhinoi i L.K. Skorniakovoi. Moskva, Meditsina, 1964. 31 p. (Nauchno-populiarnaia literatura)
(DNLM)

SOBOLEVA, A.V. [Electrographic methods of examination in the expertise for work capacity in diseases of the cardiovascular system; methodological fundamentals] Elektrograficheskie metody issledovaniia v ekspertize trudosposobnosti pri zabolevaniiakh serdechno-sosudistoi sistemy; metodicheskie osnovy. [Leningrad] Meditsina, 1964. 94 p.
(DNLM)

[SPECIFIC PREVENTION OF PARTICULARLY DANGEROUS INFECTIONS; a collection of scientific papers of antiplague institutions] Spetsificheskaia profilaktika osobo opasnykh infektsii; sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva, Meditsina, 1964. 383 p.
(DNLM)

TANFIL'EV, D.E. [Age-related characteristics of the antrum of Highmore] Vozrastnye osobennosti gaimorovykh pazukh. [Leningrad] Meditsina, 1964. 132 p. (Biblioteka prakticheskogo vracha)
(DNLM)

[TRICHOMONIASIS OF THE UROGENITAL TRACT; a collection of articles] Trikhomonoz urogenital'nogo trakta; sbornik statei. Tallin, Akad. nauk Estonskoi SSR, 1963. 213 p.
(DNLM)

USPENSKII, IU.N., and others. [Conditioned response analysis of the effect of psychotropic substances; essays on psychopharmacology] Uslovnoreflektornyi analiz deistviia psikhotropnykh veshchestv; etiudy po psikhofarmakologii. Moskva, Meditsina, 1964. 143 p.
(DNLM

VAL'DMAN, V.A. [Problems in vascular pathology; formal address on February 24, 1964] Voprosy sosudistoi patologii; aktovaia rech' (24 fevralia 1964 g.). Leningrad, Leningr. pediatricheskii in-t, 1964. 17 p.
(DNLM)

VASIL'EV, K.G. [Introduction to the epidemiology of virus infections] Vvedenie v epidemiologiiu virusnykh infektsii. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 82 p.
(DNLM)

VIAZEMSKII, N.M. [Significance of a local lesion of the brain in the clinical aspects and pathogenesis of mental disorders] Znachenie mestnogo porazheniia golovnogo mozga v klinike i patogeneze psikhicheskikh rasstroistv. Moskva, Meditsina, 1964. 238 p.
(DNLM)

VOL'PE, I.M. [Reactions to vaccinations; mechanisms and prevention] Privivochnye reaktsii; mekhanizmy i profilaktika. [Moskva] Izd-vo Mosk. univ. 1964. 171 p.
(DNLM)

VOROSHILOVA, M.K., V.I. ZHEVANDROVA, and M.S. BALAIAN. [Methodology of laboratory diagnosis of enterovirus infections] Metody laboratornoi diagnostiki enterovirusnykh infektsii. Moskva, Meditsina, 1964. 151 p.
(DNLM)

VOZHZHOVA, A.I., and R.A. OKUNEV. [Seasickness and its control] Ukachivanie i bor'ba s nim. [Leningrad] Meditsina, 1964. 166 p.
(DNLM)

VSESOIUZNOE NAUCHNOE ISTORIKO-MEDITSINSKOE OBSHCHESTVO. [Annals of the history of medicine; collection of papers] Annaly istorii meditsiny; sbornik trudov. Moskva, Medgiz, 1963. 150 p.

VSESOIUZNYI S"EZD TERAPEVTOV, 15th, 1962. [Transactions of the 15th All-Union Congress of Therapeutists] Trudy. Pod obshchei red. A.L. Miasnikova. Moskva, Meditsina, 1964. 529 p.
(DNLM)

ZAKRZHEVSKII, E.B., and L.G. VASIL'EVA. [Fluorescence microscopy in clinical hematological studies] Liuminestsentnaia mikroskopiia v kliniko-gematologicheskikh issledovaniiakh. Leningrad, Medgiz, 1963. 86 p.
(DNLM)

ZEDGINIDZE, G.S. [The TSkhaltubo Health Resort and its neurological profile] Kurort TSkhaltubo i ego nevrologicheskoe profilirovanie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 303 p.
(DNLM)

ZILINSKAS, STASIS. [Ear, nose and throat diseases] Ausu, nosies ir gerkles ligos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 306 p. [In Lithuanian]
(DNLM)

15. AGRICULTURE

AKADEMIIA NAUK SSSR. Pochvennyi institut im. V.V. Dokuchaeva. [Agrochemical characteristics of the soils of the U.S.S.R.; regions of the Northern Caucasus] Agrokhimicheskaia kharakteristika pochv SSSR; raiony Severnogo Kavkaza. Moskva, Izd-vo "Nauka," 1964. 364 p.

ALIEV, E.A., IA.A. DIUKAREV, and B.V. LATENKO. [Soilless growing of vegetables in greenhouses] Vyrashchivanie ovoshchei v teplitsakh bez pochvy. Pod red. I.G. Vyval'ko. [Kiev] Gossel'khozizdat USSR [1964] 141 p.
(DNAL)

AZERBAIJAN. Ministerstvo prosveshcheniia. [Programs of secondary schools with industrial training for tractor and machine operators of cotton growing areas] Istehsalat te'limi veren orta mekteb programlary; traktorchu-mashinist peshesi. Pambygeken raionlar uchun. Baky, Azerbaichan Dovlet Tedris-pedagozhi Edebiiiaty Neshriiiaty, 1963. 70 p. [In Azerbaijani]
(DNAL)

BALIURA, V.I. [Breeding of early ripening types] Selektsiia na skorospelost'. Moskva, Izd-vo "Znanie," 1964. 44 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 9)

BASHKATOV, V.P. [Silage as the basis of feeding] V osnovu kormleniia—silos. [Rostov na Donu] Rostovskoe knizhnoe izd-vo, 1963. 71 p.
(DNAL)

BELORUSSKI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PLODOVODSTVA, OVOSHCHEVODSTVA I KARTOFELIA. [Ways of increasing the yield of fruit and berry crops] Puti povysheniia urozhainosti plodovo-iagodnykh kul'tur. Minsk, Izd-vo "Urozhai," [illegible] 210 p.
(DNAL)

BYCHKIN, P.V., S.S. GITEL'SON, and N.P. AGAPABOVA. [Laboratory manual on microbiology] Praktikum po mikrobiologii. Moskva, Izd-vo "Kolos," 1964. 141 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

[CATALOG OF STANDARD DESIGNS FOR RURAL CONSTRUCTION] Katalog tipovykh proektov dlia sel'skokhoziaistvennogo stroitel'stva. Tallinn, GPI "Estsel'khozproekt."

Sec. 2. [Buildings, designed before the introduction of the catalog of standardized industrial articles and structures of the Baltic Republics and buildings of local importance] Zdaniia, zaproektirovannye do vvoda v deistvie kataloga unifitsirovannykh industrial'nykh izdelii i konstruktsii Pribaltiiskikh respublik i zdaniia mestnogo znacheniia. 1962. 162 p.
(DNAL)

DAVIDOV, R.B. [Milk and dairying] Moloko i molochnoe delo. Izd. 3., perer. i dop. Moskva, Izd-vo "Kolos," 1964. 327 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

DRAPATSKII, M.IA., and G.S. TRET'IAKOV. [illegible] "Chuguev." Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 23 p. (Peredoviki rybnoi promyshlennosti)

[ECONOMICALLY USEFUL PLANTS] Tautsaimnieciba derigie augi. Riga, Latvijas PSR Zinatnu akad. izd-ba.
Vol. 2, 1963. 104 p. [In Latvian]
(DNAL)

FILATOV, P.V., N.A. SUDAKOV, and I.M. BELIAEV. [Practical exercises in clinical diagnosis by X-rays] Prakticheskie zaniatiia po klinicheskoi diagnostike s rentgenologiei. Moskva, Izd-vo "Kolos," 1964. 109 p. (Uchebniki i uchebnye posobiia dlia vysshikh uchebnykh zavedenii)
(DNAL)

[FOREST RESERVES OF THE CRIMEA] V zapovednykh lesakh Kryma. Simferopol', Krymizdat, 1963. 1 v. (chiefly illus.)

FRORIP, GEORG, and ANDO VASARI. [Textbook on the artificial insemination of livestock] Pollumajandusloomade kunstliku seemenduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus, 1964. 302 p. [In Estonian]
(DNAL)

GENIKA, L.V. [Trichomoniasis in cattle] Trikhomonoz krupnogo rogatogo skota. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 26 p.
(DNAL)

[GROWING SEED POTATOES IN THE R.S.F.S.R.] Semenovodstvo kartofelia v RSFSR [By] D.I. Filippov i dr. Moskva, Sel'khozizdat, 1963. 166 p.
(DNAL)

GULKANIAN, V.O. [Cotton surgery] Khirurgiia khlopchatnika. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 438 p.
(DNAL)

[HANDBOOK ON POULTRY FARMING] Rokasgramata putnkopiba. Riga, Latvijas Valsts izd-ba, 1964. 222 p. [In Latvian]
(DNAL)

[HANDBOOK ON VEGETABLE GARDENING] Koogiviljanduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus, 1964. 670 p. [In Estonian]
(DNAL)

IUROVSKII, IA. I., and others. [Agricultural mapping of a demonstration farm] Sel'skokhoziaistvennoe kartografirovanie oporno-pokazatel'nogo khoziaistva. Pod red. IA. I. IUrovskogo. Moskva, Gosgeoltekhizdat, 1963. 37 p.

IVANOV, G. I. [Soils of the Maritime Territory] Pochvy Primorskogo kraia. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1964. 105 p. (Nauchno-populiarnaia seriia)

IVANOV, N. A. [Tale of running water] Povest' o zhivoi vode. Moskva, Izd-vo "Znanie," 1964. 90 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 6)

KEES, HEINO, and ENHARD MUSTO. [Rational ways of sheep farming] Lambakasvatuse ratsionaalne korraldamine. Tallinn, Eesti Riiklik Kirjastus, 1964. 48 p. [In Estonian]
(DNAL)

KUDRIAVTSEV, N. E. [Field manual on agricultural machines] Proizvodstvennyi praktikum po sel'skokhoziaistvennym mashinam. Moskva, Vysshaia shkola, 1964. 281 p.
(DNAL)

["KUUSIKU," A HYBRID TURNIP] Hibridkali 'Kuusiku'. Riga, Latvijas Valsts izdevnieciba, 1964. 32 p. [In Latvian]
(DNAL)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Fundamentala biblioteka. [Academician Karlis Bambergs; a biobibliography] Akademikis Karlis Bambergs; biobibliografija. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 101 p. [In Latvian and Russian]

LINASK, ULLAR. [Experience in grain treatment after harvesting] Teravilja koristusjargse tootlemise kogemusi. Tallinn, Eesti Riiklik Kirjastus, 1963. 40 p. [In Estonian]
(DNAL)

[LOOSE HOUSING OF CATTLE] Besprivriaznoe soderzhanie skota; sbornik statei. Moskva, Sel'khozizdat, 1963. 389 p.
(DNAL)

MANNIK, AUGUST. [Importance of vitamins in livestock and poultry feeding] Vitamiinide tahtsus pollumajandusloomade ja -lindude sootmisel. Tallinn, Eesti Riiklik Kirjastus, 1964. 40 p. [In Estonian]
(DNAL)

[MANUAL ON LABOR PROTECTION IN AGRICULTURE] Spravochnik po okhrane truda v sel'skom khoziaistve. Izd. 2., perer. i dop. Moskva, Sel'khozizdat, 1963. 615 p.

[MANUAL ON THE SEED PRODUCTION OF VEGETABLE AND VINE PLANTS] Spravochnik po semenovodstvu ovoshchnykh i bakhchevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 694 p.
(DNAL)

MIIDLA, HEINO. [Viticulture] Viinamarjakasvatus. Tallinn, Eesti Riiklik Kirjastus, 1964. 132 p. [In Estonian]
(DNAL)

MINSK. NAUCHNO-ISSLEDOVATEL'SKII VETERINARNYI INSTITUT. [Controlling losses in animal husbandry; transactions] Bor'ba s poteriami v zhivotnovodstve; trudy NIVI. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 212 p.
(DNAL)

MOZHUL', V. G. [Safety measures, labor hygiene, and fire prevention measures at lumbering camps] Tekhnika bezopasnosti, gigiena truda i protivopozharnye meropriiatiia na lesozagotovkakh. Moskva, Izd-vo "Lesnaia promyshlennost'," 1963. 173 p.
(DNAL)

NAUCHNO-PROIZVODSTVENNAIA KONFERENTSIIA PO BOR'BE S EROZIEI POCHV V BURIATSKOI ASSR. 1st, 1963. [Abstracts of reports of the First Scientific and Practical Conference on the Control of Soil Erosion in the Buryat A. S. S. R.] Tezisy dokladov. Ulan-Ude, Akad. nauk SSSR Sibirskoe otd-ie.
No. 1. 1963. 94 p.
[DNAL MICROFILM]

NIGUL, LEO. [Rational swine farming] Ratsionaalne porsakasvatus. Tallinn, Eesti Riiklik Kirjastus, 1963. 62 p. [In Estonian]
(DNAL)

OS'KIN, A. I. [Technology of corn harvesting with the remodeled SK-3 and SK-4 combines, its postharvest processing and storage] Tekhnologiia uborki kukuruzy pereoborudovannymi kombainami SK-3 i SK-4, ee posleuborochnaia obrabotka i khranenie zerna. Moskva, Biuro tekhn. informatsii i reklamy, 1963. 57 p.
(DNAL)

PALENTREER, S. N. [Landscape gardening; landscaping parks and forest parks] Landshaftnoe iskusstvo; postroenie peizazhei v parkakh i lesoparkakh. [IAroslavl'] Rosvuzizdat, 1963. 132 p. illus.
(DNAL)

PANNIKOV, V. D. [Soils, fertilizers, and crops] Pochvy, udobreniia i urozhai. Moskva, Izd-vo "Kolos," 1964. 335 p.
(DNAL)

PATERILO, G. A. [Bark diseases of fruit trees] Bolezni kory plodovykh derev'ev. Moskva, Izd-vo "Kolos," 1964. 73 p.
(DNAL)

PEDAJA, VALTER. [Sugar-beet growing in Estonia] Suhkrupeedikasvatusest Eestis. Tallinn, Eesti Riiklik Kirjastus, 1964. 69 p. [In Estonian]
(DNAL)

[PRACTICAL MANUAL ON FRUIT CULTURE] Prakticheskoe sadovodstvo. [Leningrad] Lenizdat, 1963. 411 p.
(DNAL)

[PRACTICES AND KNOWLEDGE FOR FARM WORKERS] Truzhenikam sela - opyt i znaniia. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 57 p. (Sel'skokhoziaistvennyi universitet na domu)
(DNAL)

PROKHOROV, M. I., ed. [Using micro-organisms in the control of farm plant diseases and pests] Ispol'zovanie mikroorganizmov dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii. Leningrad, Izd-vo "Kolos," 1964. 85 p.
(DNAL)

PUSHKINO. NAUCHNO-ISSLEDOVATEL'SKAIA LABORATORIIA PO RAZVEDENIIU SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH. [Heredity and variability in farm animals; collection of scientific papers] Nasledstvennost' i izmenchivost' sel'skokhoziaistvennykh zhivotnykh; sbornik nauchnykh trudov. Pod red. M. M. Lebedeva. Leningrad, Izdatel'stvo "Kolos," 1964. 214 p.
(DNAL)

[RAISING WORKING AND HUNTING DOGS] Sluzhebnoe i okhotnich'e sobakovodstvo. Moskva, Izd-vo "Kolos," 1964. 143 p. illus.

RAJASAAR, GEORG, and ARVED TIIGIMAE. [Mechanization of hay harvesting] Heinakoristustoode mehhaniseerimine. Tallinn, Eesti Riiklik Kirjastus, 1963. 77 p. [In Estonian]
(DNAL)

RUSSIA (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. [Machine milking of cows and the primary handling of milk; textbook for training expert machine milkers] Mashinnoe doenie korov i pervichnaia obrabotka moloka; uchebnoe posobie dlia podgotovki masterov mashinnogo doeniia. Moskva, Izd-vo MSKh RSFSR, 1963. 103 p.
(DNAL)

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for fiber flax growing on the collective and state farms in the U. S. S. R.] Rekomendatsii po vozdelyvaniiu l'na-dolguntsa v kolkhozakh i sovkhozakh SSSR. Moskva, Izd-vo "Kolos," 1964. 45 p.
(DNAL)

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the production of aromatic plant seeds] Rekomendatsii po semenovodstvu efiromaslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 27 p.
(DNAL)

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the production of strong and durum wheat] Rekomendatsii po proizvodstvu zerna sil'nykh i tverdykh pshenits. [Moskva] Izd-vo "Kolos," 1964. 63 p.
(DNAL)

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the protection of peas, kidney beans, and forage beans against main pests and diseases] Rekomendatsii po zashchite gorokha, fasoli i kormovykh bobov ot glavneishikh vreditelei i boleznei. Moskva, [Sel'khozizdat] 1963. 15 p.
(DNAL)

[SAFETY MEASURES IN AGRICULTURE] Darba drosiba lauksaimnieciba. [By] V. Dzelde un citi. Riga, Latvijas Valsts izd-ba, 1964. 258 p. [In Latvian]
(DNAL)

SDOBNIKOV, S. S. [Agricultural problems in the Virgin Territory] Voprosy zemledeliia v TSelinnom krae. Moskva, Izd-vo "Kolos," 1964. 254 p.
(DNAL)

SEMENOV, M. G. [A year of fishing] God rybolova. Moskva, "Sovetskaia Rossiia," 1964. 132 p.

SHKLIAR, A. KH. [Climate of White Russia and agriculture] Klimat Belorussii i sel'skoe khoziaistvo. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 421 p. maps (in pocket)
(NN)

SOIUZSEL'KHOZTEKHNIKA, VSESOIUZNOE OB"EDINENIE. [Get the most use from machinery in sowing grain crops; recommendations for collective and state farms] Vysokoproizvoditel'no ispol'zovat' tekhniku na poseve zernovykh kolosovykh kul'tur; rekomendatsii kolkhozam i sovkhozam. Moskva, Biuro tekhnicheskoi informatsii i reklamy, 1963. 58 p.
(DNAL)

SOIUZSEL'KHOZTEKHNIKA, VSESOIUZNOE OB"EDINENIE. [The KDUE-16 "Omichka" circular conveyor-type milking system; recommendations for its assembly and operation] Konveierno-kol'tsevaia doil'naia ustanovka KDUE-16 "Omichka"; rekomendatsii po montazhu i ekspluatatsii. Moskva, Biuro tekhn. informatsii, 1963. 36 p.
(DNAL)

SOLOPOV, G. P., ed. [Orchards and berry patches] Sady i iagodniki. [By] A. L. Zatuchnaia i dr. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 215 p.
(DNAL)

SOLOV'EV, T. T. [Pond fishing] Vylov ryby iz prudov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 131 p.

STEPANOV, P. P. [Grafting of fruit trees and the sun; practices in using polyethylene film] Privivka plodovykh i solntse; opyty s primeneniem polietilenovoi plenki. [Kaluga] Priokskoe knizhnoe izd-vo, 1964. 159 p.
(DNAL)

[SUGGESTIONS FOR MECHANIZATION IN AGRICULTURE] Ratsionaliseerimisettepanekuid pollumajanduses. Tallinn, Eesti Riiklik Kirjastus, 1964. 105 p. [In Estonian]
(DNAL)

TAIROV, M. A., and T. I. EZHOV. [Transition to the exclusive planting of certified seed potatoes] Perekhod na sploshnye sortovye posevy kartofelia. Leningrad, Izd-vo "Kolos," 1964. 103 p.
(DNAL)

TILGA, VOLDEMAR. [Infectious atrophic rhinitis in swine] Sigade nakkav atroofiline riniit. Tallinn, Eesti Riiklik Kirjastus, 1963. 52 p. [In Estonian]
(DNAL)

TSEKULINA, A. A. [Effectiveness of mechanization in dairy husbandry] Effektivnost' mekhanizatsii v molochnom zhivotnovodstve. Moskva, Izd-vo "Kolos," 1964. 213 p.
(DNAL)

ULAN-UDE. BURIATSKII KOMPLEKSNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Use of trace elements in the agriculture of Eastern Siberia and the Far East] Primenenie mikroelementov v sel'skom khoziaistve Vostochnoi Sibiri i Dal'nego Vostoka. Ulan-Ude, 1962. 133 p.
(DNAL)

VILMANE, MILDA. [Tulips] Tulpes. Riga, Latvijas Valsts izd-ba, 1963. 185 p. [In Latvian]
(DNAL)

VOKKEN, G. G. [Veterinary radiology] Veterinarnaia radiologiia. Moskva, Izd-vo "Kolos," 1964. 268 p.
(DNAL)

ZHDANOV, L. A., ed. [Sunflowers in the Don Valley] Podsolnechnik na Donu. [By] A. P. Alekseev i dr. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1964. 110 p.
(DNAL)

ZVIRGZDINA, V. [Asters] Asteres. Riga, Latvijas PSR Zinatnu Akademijas izd-ba, 1963. 54 p. [In Latvian]
(DNAL)

16. TECHNOLOGY

ADRIANOV, I. V. [Tachymetric tables] Takheometricheskie tablitsy. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 247 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Khimiko-metallurgicheskii institut. [Kinetics of the combustion of mineral fuels] Kinetika goreniia iskopaemykh topliv. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 157 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Completely prefabricated bathrooms; practices of the Danilov Plant of the Main Administration for Industrial Building Materials in the City of Moscow] Proizvodstvo sanitarno-tekhnicheskikh kabin polnoi zavodskoi gotovnosti; opyt Danilovskogo zavoda Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1963. 28 p.

[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Precast monolithic reinforced concrete shells in the form of hyperbolic paraboloids for roofs of industrial buildings; practices of the Krasnoyarsk Economic Council and the State Design and Planning Institute of the "Leninpromstroiproekt"] Sbornomonolitnye zhelezobetonnye obolochki v vide giperbolicheskikh paraboloidov dlia pokrytii promyshlennykh zdanii; opyt Krasnoiarskogo sovnarkhoza i GPI "Leninpromstroiproekt." Moskva, Gosstroiizdat, 1962. 33 p.

[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Practice of using an electrothermal method of tensioning reinforcements] Opyt primeneniia elektrotermicheskogo metoda natiazheniia armatury. Moskva, Gosstroiizdat, 1963. 76 p.

[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Vibrocompaction of brick blocks for industrial installations; practices of the laboratory for winter operations of the Scientific Research Institute of Organization, Mechanization, and Technical Aid for Construction, Section of Large-Block Construction of the Scientific Research Institute for Construction and of the "Teplomontazh" Trust] Vibrouplotnenie kirpichnykh blokov dlia promyshlennykh sooruzhenii; iz opyta laboratorii zimnikh rabot NIIOMTP, sektora krupnoblochnykh konstruktsii NII po stroitel'stvu i tresta "Teplomontazh." Moskva, Gosstroiizdat, 1963. 42 p.

[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Waterproofing and roofs of cold asphalt mastic; according to materials of the All-Union Scientific Research Institute for Hydraulic Engineering] Gidroizoliatsiia i krovlia iz kholodnykh asfal'tovykh mastik; po materialam Vsesoiuznogo nauchno-issledovatel'skogo instituta gidrotekhniki imeni B. E. Vedeneeva. Moskva, Gosstroiizdat, 1962. 31 p.

[MICROFILM]

AKHREMOVICH, M. B. [Protection of the wooden structures of dwellings against wood destroying pests] Zashchita derevlannykh konstruktsii zhilykh zdanii ot razrushitelei drevesiny. Moskva, Stroiizdat, 1964. 89 p.

AKMAMEDOV, A., V. KOLODII, and A. KUZ'MIN. [Turkmenian oil field waters, a valuable chemical raw material] Vody neftianykh mestorozhdenii Turkmenii - tsennoe khimicheskoe syr'e. Ashkhabad, Turkmengosizdat, 1963. 38 p.

AKOPOV, I. A., and others. [Industrial safety in working with beryllium and its alloys] Bezopasnost' truda pri rabote s berilliem i ego splavami. Moskva, Izd-vo "Mashinostroenie," 1964. 106 p.

ALEKSEEV, K. B., and G. G. BEBENIN. [Control of a space vehicle] Upravlenie kosmicheskim letatel'nym apparatom. Pod red. V. A. Bodnera. Moskva, Mashinostroenie, 1964. 401 p.

AL'PEROVICH, A. I. [Safety manual for the assembler of construction tower cranes] Pamiatka po tekhnike bezopasnosti dlia montazhnika stroitel'nykh bashennykh kranov. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 46 p. (Tekhnika bezopasnosti v stroitel'stve)

AL'PERT, IA. L., A. V. GUREVICH, and L. P. PITAEVSKII. [Artificial satellites in rarefied plasma] Iskusstvennye sputniki v razrezhennoi plazme. Moskva, Izd-vo "Nauka," 1964. 382 p.

AMELIN, B. A., V. D. VASIL'EV, and E. E. GLINSKII. [New methods for the nonmetallic reinforcement of boreholes] Novye metody nemetallicheskogo krepleniia burovykh skvazhin. Leningrad, Nedra, 1964. 109 p.

ANDROSOV, V. F. [Dyeing of polyamide fibers] Krashenie poliamidnykh volokon. Moskva, Izd-vo "Legkaia industriia," 1964. 207 p.

ARDAEV, V. B. [Safety manual for tinsmiths and ventilation equipment assemblers engaged in the preparation of ventilation ducts] Pamiatka po tekhnike bezopasnosti dlia zhestianshchika i slesaria-ventiliatsionnika, zaniatykh izgotovleniem ventiliatsionnykh vozdukhovodov. Moskva, Stroiizdat, 1964. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

[ARMENIAN COOKERY] Armianskaia kulinariia. Erevan, Armianskoe gos. izd-vo, 1963. 236 p. [In Armenian]

ATABEKOV, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki v trekh chastiakh. Moskva, Izd-vo "Energiia."
Pt. 1. Atabekov, G. I. [Linear electrical networks] Lineinye elektricheskie tsepi. 2. izd., perer. i dop. 1964. 310 p.

ATABEKOV, V. B. [High-voltage apparatus] Vysokovol'tnye apparaty. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 278 p.

[AUTOMATED POWER SUPPLY GUARANTEE SYSTEMS FOR TELECOMMUNICATION APPARATUS] Avtomatizirovannye ustroistva garantirovannogo pitaniia apparatury sviazi; informatsionnyi sbornik. Moskva, Izd-vo "Sviaz'," 1964. 132 p. (Tekhnika sviazi)

AVDON'KIN, F. N. [Maintenance and repair of the lifting device of ZIL-MMZ dump trucks] Tekhnicheskoe obsluzhivanie i remont pod"emnogo mekhanizma avtomobilei-samosvalov ZIL-MMZ. Izd. 3., perer. i dop. Moskva, Transport, 109 p.

BABKIN, VIKTOR, and ANREI BIRIUKOV. [Jump from the stratosphere] Pryzhok iz stratosfery. Moskva, Izd-vo DOSAAF, 1963. 57 p.

BABUSHKIN, I. N. [Technology of the repair of lumbering and forestry machines] Tekhnologiia remonta lesozagotovitel'nykh i lesokhoziaistvennykh mashin. Moskva, Goslesbumizdat, 1963. 382 p.

BALABIN, I. V., and V. A. PUTIN. [Motor vehicle and tractor wheels] Avtomobil'nye i traktornye kolesa. Pod obshchei red. I. V. Balabina. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 334 p.

BALASHOV, E. P. [Design of the magnetic system of memory devices using ferrite cores with rectangular hysteresis loops] Proektirovanie magnitnoi sistemy zapominaiushchikh ustroistv na ferritovykh serdechnikakh s priamougol'noi petlei gisterezisa; stenogramma lektsii. Leningrad, 1963. 39 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki)

BARANOV, A. M. [Front clouds and flight conditions through them] Frontal'nye oblaka i usloviia poletov v nikh. Leningrad, Gimiz, 1964. 237 p.

BARANOVSKII, A. G. [Trucks at building projects] Avtomobil' na stroike. [Moskva] Mosk. rabochii, 1964. 117 p.

BEL'SKII, V. I., and A. V. CHERNOV. [Brickwork and assembly of industrial furnaces and smokestacks] Kladka i montazh promyshlennykh pechei i zavodskikh trub. Moskva, Stroiizdat, 1964. 234 p.

BERG, A. I. [Selected works] Izbrannye trudy. Moskva, Izd-vo "Energiia."
Vol. 1. 1964. 167 p.

BERGSHTEIN, S. G. [Pulse-type regulation of the angular velocity of electric motors] Impul'snoe upravlenie skorost'iu vrashcheniia elektrodvigatelei. Moskva, Izd-vo "Energiia," 1964. 80 p. (Biblioteka po avtomatike, no. 101)

BERLIN, M. A. [Wear of the basic components of tubestills] Iznos osnovnykh elementov trubchatykh pechei. Moskva, Izd-vo "Nedra," 1964. 99 p.

BERNSHTEIN, E. A., and N. K. RUDIACHENKO. [Pulse-type radio transmitting devices; their calculation and design] Impul'snye radioperedaiushchie ustroistva; proektirovanie i raschet. Izd. 2., stereotipnoe. Kiev, Izd-vo "Tekhnika," 1964. 247 p.

BLAUS, A. [Exercises in mechanical drawing] Vingrinajumu krajuma rasesana. Sbornik uprazhnenii po chercheniiu. Riga, Latvijas Valsts izd-ba, 1964. 177 p. [In Latvian and Russian]

BLOK, G. E. [If you would tame a giant] Esli priruchit velikana. Moskva, Izd-vo "Mysl'," 1964. 157 p. (Priroda i chelovek)

BLUVSHTEIN, M. M., and E. D. BABENKOV. [Starting and repairing the purification equipment of water supply lines] Pusk i naladka ochistnykh sooruzhenii vodoprovoda. Moskva, "Stroiizdat," 1964. 138 p.

BOBRO, IU. G. [Aluminum cast iron] Aliuminievye chuguny. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 194 p.

BOGATYKH, IA. D. [Safety manual for assembling tubular scaffolding] Pamiatka po tekhnike bezopasnosti dlia montazhnikov trubchatykh lesov [illegible]. Izd. 2, dop. Moskva, Stroiizdat, 1964. 24 p. (Tekhnika bezopasnosti v stroitel'stve)

BOGDANOV, G. D., and A. A. BOGDANOVSKAIA. [Electric transformers] [illegible]. Kiev, Gostekhizdat USSR, 1964. [illegible] p.

BOGDANOV, I. A., [illegible] [Analysis of the operation of [illegible]] [illegible]. Moskva, [illegible], 1964. 105 p.

BOGUSLAVSKII, A. M., [illegible] [Motion picture projection [illegible]] [illegible]. Moskva, Iskusstvo, 1964. 311 p. [illegible]

BOGACHEV, I. P. [illegible]. Izd. 2, [illegible]. Moskva, Stroiizdat, 1964. 31 p. [illegible]

BOIKO, IU. N. [Safety manual for the operator of [illegible]] [illegible]. Moskva, Stroiizdat, 1964. 15 p. [illegible]

BOLDYREV, V. M., and [illegible] [illegible]. Moskva, [illegible], 1964. 62 p.

BORISOV, V. A. [illegible]. [illegible], 1963. 200 p.

BORODULIN, V. I. [illegible]. Moskva, [illegible], 1964. 65 p.

BUTKO, A. S. [Automation of [illegible]] [illegible]. Moskva, Izd-vo "Nedra," 1964. 122 p.

BUTKOV, M. A., and [illegible] [illegible]. Kiev, Budivel'nyk, 1964. 92 p.

BUL', B. K. [Principles of the theory and design of magnetic circuits] [illegible]. Moskva, Izd-vo "Energiia," 1964. 463 p.

BYKOV, A. A., [illegible], and [illegible] [illegible]. Moskva, Gosstroiizdat, 1964. 68 p.

CABINETS AND FRAMES FOR RADIO [illegible] [illegible]. Moskva, Izd-vo standartov, 1964. 20 p. [illegible]

[CHECKING THE TECHNICAL CONDITION OF A TRACTOR DIESEL ENGINE [illegible]] [illegible]. Tallinn, Eesti Raamat, 1964. 37 p. [In Estonian]

CHERKASOV, A. P., and [illegible] [illegible]. Moskva, Izd-vo "Metallurgiia," 1964. 323 p.

CHERNILOVSKAIA, P. M. [Hygienic significance of fluorescent lighting in industry] [illegible]. [Leningrad] Meditsina, 1964. 81 p. [illegible]

CHUBOV, I. I. [Grizzly operator] Mashinist grokhotov. Moskva, Izd-vo "Nedra," 1964. 60 p. (Biblioteka rabochego-shakhtera)

[[illegible]; testing methods] [illegible]. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 15 p. (Gosudarstvennye standarty)

[[illegible] films, [illegible]] [illegible]. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 10 p. (SSSR. Gosudarstvennye standarty)

DANILOV, M. I. [Heat [illegible] heating] [illegible]. Moskva, Stroiizdat, 1964. 150 p. [illegible]

DEMCHUK, P. A. [Safety engineering of [illegible]] [illegible]. Moskva, Izd-vo "Nedra," 1964. 56 p.

DEMYSHEV, V. V., and V. A. ABRAMOV [illegible]. Izd. 2, perer. i dop. Moskva, Transport, 1964. 41 p. [illegible]

DENISOV, V. [illegible]. Moskva, Mashinostroenie, 1964. 136 p.

DMITRIEVA, [illegible] [illegible]. Moskva, Transport, 1964. 15 p. [illegible]

DOBROV, [illegible] [illegible]. Moskva, [illegible], 1964. 72 p.

DOBROVOL'SKII, A. B., and M. A. SIDOROV [illegible]. Moskva, Mashinostroenie, 1964. 320 p.

DOLGOV, V. A. [illegible]. Izd. 2, perer. i dop. Moskva, Mashinostroenie, 1964. 155 p.

DOLMATOV, P. G. [illegible]. Moskva, Izd-vo "Nedra," 1964. 81 p. [illegible]

DOMBROVSKII, N. G., and others [Short guidebook for operators of [illegible]] [illegible]. Pod red. N. G. Dombrovskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 250 p.

DORONIN, A. V., and [illegible] [illegible]. Moskva, Izd-vo "Energiia," 1964. 200 p.

DOROFEEV, [illegible], and V. I. [illegible] [illegible] of large sand-lime blocks with [illegible]. Minsk, [illegible], 1964. 60 p.

DOROSHEV, P. K., and G. I. TIKHOV [Tobacco technology and technochemical control] Tekhnologiia tabaka i tekhnokhimicheskii kontrol'. Izd. 2, perer. i dop. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 391 p.

DRAGUNOV, N. M., and A. I. [illegible] [Individual [illegible] equipment for multichannel long-distance communication systems] [illegible]. Moskva, Izd-vo "Sviaz'," 1964. 64 p. [illegible]

DUBOVIK, G. V., D. M. KURAS, and IA. I. [illegible] [Safety measures in geological prospecting] Tekhnika bezopasnosti pri geologorazvedochnykh rabotakh. Izd. 2. Moskva, Izd-vo "Nedra," 1964. 440 p.

DROZD, A. A., and IU. A. LEVITSKII. [[illegible] radio transmitters, manual on operation and repair] Radiostantsii [illegible], posobie po ekspluatatsii i remontu. Moskva, [illegible], 1964. 135 p.

DUBROVIN, I. N., and F. IA. [illegible] [Elements of prestressed reinforced concrete] [illegible]. Moskva, Transport, 1964. 87 p. (Obmen tekhnicheskim opytom [illegible])

DUDOROV, A. IA. [Receiving and processing milk in primary enterprises] Priemka i pererabotka moloka na pervichnykh predpriiatiiakh. Izd. 2, ispr. i dop. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 119 p.

DUDKO, G. K., and G. N. [illegible] [Doppler devices for the measurement of speed and drift angle of an airplane] Dopplerovskie izmeriteli skorosti i ugla snosa samoleta. Moskva, "Sovetskoe radio," 1964. 151 p.

[illegible], I. V. [Principles of interchangeability and technical measurements] Osnovy vzaimozameniaemosti i tekhnicheskie izmereniia. Moskva, Izd-vo "Mashinostroenie," 1964. 304 p.

[ERA, [illegible]] [illegible]. Moskva, Izd-vo "Energiia," [illegible] No. 2, 1964. 101 p.

[illegible] [illegible]. Izd. 3, perer. i dop. [illegible] N. A. [illegible]. Moskva, Izd-vo "Transport," 1964. 104 p.

FEDORCHUK, M. S., and V. I. [illegible] [Planning and development of [illegible]] [illegible]. Kiev, Gostekhizdat USSR, 1964. 74 p.

FEDOROV, V. P. [illegible]. Moskva, Transport, 1964. 32 p. [illegible]

FEDOROV, N. N. [Transformers and electrical machinery] Transformatory i elektricheskie mashiny. Izd. 3, perer. Moskva, Izd-vo "Vysshaia shkola," 1964. 370 p. [illegible]

[illegible] [Maintenance of DT-24 and [illegible] tractors. Translated from the Russian] [illegible]. Tallinn, Eesti Raamat, 1964. 110 p. [In Estonian]

FIKIN, I. A. [Operating [illegible] equipment and [illegible]] [illegible]. Moskva, Stroiizdat, 1964. 208 p.

FILIN, G. S., and N. V. KLOCHKOV. [Prestressed bridges of prefabricated elements] Predvaritel'no napriazhennye mosty iz elementov zavodskogo izgotovleniia. Moskva, Transport, 1964. 144 p.

FOKIN, V. S. [Vortex lamps and their use in electric power plants] Vikhrevye svetil'niki i ikh primenenie na elektrostantsiiakh. Moskva, Izd-vo "Energiia," 1964. 80 p.

FOMIN, A. A. [Photography by N. I. Svishchov-Paola] Fotografii N. I. Svishchova-Paola. Moskva, Iskusstvo, 1964. 132 p. illus.

FRENKEL', P. M., ed. [Use of prestressed reinforced concrete in foreign countries] Primenenie predvaritel'no napriazhennogo zhelezobetona za rubezhom. Moskva, Stroiizdat, 1964. 83 p.

[FUR HIDES AND SKINS; spring types] Pushno-mekhovoe syr'e; vesennie vidy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 50 p. (SSSR. Gosudarstvennye standarty)

FURSOV, S. P. [Semiconductor rectifiers for charging storage batteries] Poluprovodnikovye vypriamiteli dlia zariadki akkumuliatorov. Izd. 2., ispr. i dop. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1962. 55 p.

[MICROFILM]

GALOCHKIN, E. D. [Manual for grader elevator operators] Posobie mashinistu grieder-elevatora. Moskva, Transport, 1964. 90 p.

GAL'PERIN, A. I. [Construction and assembly machines and mechanisms for building gas and petroleum pipelines] Montazhno-stroitel'nye mashiny i mekhanizmy dlia sooruzheniia magistral'nykh gazonefteprovodov. Moskva, Nedra, 1964. 356 p.

GARLINSKAIA, E. I. [Handbook on electric cables and wires] Spravochnik po elektricheskim kabeliam i provodam. Moskva, Vysshaia shkola, 1964. 200 p.

[GEAR-CUTTING TOOLS] Zuboreznyi instrument. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 143 p. (SSSR. Gosudarstvennye standarty)

GENEL', S. V., N. IA. KESTEL'MAN, and V. N. KESTEL'MAN. [Polymeric materials in food machinery manufacture] Polimernye materialy v pishchevom mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 382 p.

GEORGIA. Geologicheskoe upravlenie. [Chiatura manganese deposit] Chiaturskoe mestorozhdenie margantsa. Moskva, Izd-vo "Nedra," 1964. 243 p.

GERASIMCHUK, I. S., and others. [Fibrolite insulating tiles; their properties and use in building] Teploizoliatsionnye fibrolitovye plity; osnovnye svoistva i primenenie v stroitel'stve. Pod red. Kh. Kh. Korrovits. Tallinn, Gos. kom-t Soveta Ministrov ESSR po delam stroit., 1964. 133 p.

GERASIMOV, V. I., and R. P. KOZLOV. [Assembly mechanic for the equipment in coke by-product plants] Slesar'-montazhnik po oborudovaniiu koksokhimicheskikh zavodov. Moskva, Stroiizdat, 1964. 342 p. (Seriia: Prakticheskie posobiia po povysheniiu masterstva v promyshlennom stroitel'stve)

GERBERT, A. A., and G. I. EVORENKO. [Apartment houses made of new materials; make extensive use of perlite and keramzit in building] Doma iz novykh materialov; perlity i keramzity - shirokuiu dorogu na stroiki. Chita, Chitinskoe knizhnoe izd-vo, 1963. 70 p.

GERMAN, A. L., and R. B. KOLBASOVA. [Petroleum sulfo acids; their production and use] Neftianye sul'fokisloty; proizvodstvo i primenenie. Moskva, Izd-vo "Khimiia," 1964. 143 p. (Obmen proizvodstvennym opytom)

GERTS, E. V., and G. V. KREININ. [Dynamics of pneumatic drives in automatic machinery] Dinamika pnevmaticheskikh privodov mashin-avtomatov. Moskva, Izd-vo "Mashinostroenie," 1964. 235 p.

GIBSHMAN, E. E., and A. IA. SLOBODCHIKOV. [Municipal engineering structures] Gorodskie inzhenernye sooruzheniia. [Moskva] Rosvuzizdat, 1963. 72 p.

GIPROSEL'STROI. [Manufacture and use of arbolite] Proizvodstvo i primenenie arbolita. Moskva, 1962. 50 p.

[MICROFILM]

GLADILIN, A. N., A. A. SYROEGIN, and V. M. POPOV. [Course of industrial training in mechanical engineering schools] Kurs proizvodstvennogo obucheniia v mashinostroitel'nykh tekhnikumakh. Moskva, Vysshaia shkola.

Pt. 1. [For workers in the professions: assembler, and fitter, repairman, universal turner] Dlia rabochikh professii: slesar'-sborshchik, slesar'-remontnik, tokar'-universal. 1964. 435 p.

GLEBOVICH, A. A. [Laboratory work in electrical engineering and the principles of industrial electronics] Laboratornye raboty po elektrotekhnika s osnovami promyshlennoi elektroniki. Moskva, Vysshaia shkola, 1964. 185 p.

GLINKA, N. N., and N. D. POSPELOV. [Glued bridge spans] Kleenye proletnye stroeniia mostov. Moskva, Transport, 1964. 85 p.

GLUSHKOV, V. M. [Introduction to cybernetics] Vvedenie v kibernetiku. Kiev, Izd-vo AN USSR, 1964. 323 p.

GOFMAN, G. B. [The upward flight continues] Vzlet prodolzhaetsia. Moskva, Izd-vo "DOSAAF," 1964. 69 p.

GOKHBERG, M. M. [Metal structures of hoisting and conveying machinery] Metallicheskie konstruktsii pod"emno-transportnykh mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 328 p.

GOLANT, B. IA. [Enrichment of food products with proteins of vegetable origin with a high content of amino acids] Obogashchenie pishchevykh produktov proteinami rastitel'nogo proiskhozhdeniia s vysokim soderzhaniem nezamenimykh aminokislot. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 96 p.

GOL'DENBERG, L. I. [Native alloy cast iron is an industrial potential] Prirodnolegirovannyi chugun - rezerv promyshlennosti. Moskva, Izd-vo Metallurgiia, 1964. 110 p.

GOL'DSHTEIN, A. S., and V. I. KIREENKO. [Suspended and arched passage of petroleum products] Visiachie i arochnye perekhody nefteprovodov. Moskva, Nedra, 1964. 115 p.

GOL'TSMAN, B. M. [Growing of single semiconductor crystals] Vyrashchivanie poluprovodnikovykh monokristallov. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no. 5)

GOMZHIN, G. N. [Experience in building precast reinforced concrete reservoirs] Opyt stroitel'stva sbornykh zhelezobetonnykh rezervuarov. Moskva, Nedra, 1964. 73 p.

GORDON, R. K. [Safety manual for a tire repair worker] Pamiatka shinomontazhniku. Moskva, Transport, 1964. 26 p. (Tekhnika bezopasnosti na avtotransporte)

GORODINSKII, S. M., and others. [Decontamination of means of individual shielding and protective coatings] Dezaktivizatsiia sredstv individual'noi zashchity i zashchitnykh pokrytii. Moskva, Atomizdat, 1964. 117 p.

GOROKHOV, P. K. [B. L. Rozing, the founder of electronic television] B. L. Rozing - osnovopolozhnik elektronnogo televideniia. [Moskva] Izd-vo "Nauka," 1964. 117 p. (Nauchno-biograficheskaia seriia)

GORSHKOV, V. S., and V. V. TIMASHEV. [Methods of physicochemical analysis of binding materials] Metody fiziko-khimicheskogo analiza viazhushchikh veshchestv. Moskva, Vysshaia shkola, 1963. 286 p.

GRANOVSKII, S. G. [Jacquard fabrics; cutting of pattern cards] Zhakkardovye tkani; patronirovanie risunkov. Moskva, Izd-vo "Legkaia industriia," 1964. 373 p.

GRAULE, B. E. [Hints to the amateur photographer] Sovety fotoliubiteliu. [Leningrad] Lenizdat, 1963. 78 p.

GRINBERG, V. I., and N. IA. ZAMORSKAIA. [Sew your own hats] Sheite sami golovnye ubory. Moskva, Izd-vo "Legkaia industriia," 1964. 323 p.

——— [Supplement] Prilozhenie. 10 patterns (Nos. 2, 4, 6, 8 and 10 wanting).

GRINEVICH, G. P., G. G. GRINEVICH, and A. S. GEL'MAN. [Comprehensive mechanization of loading and unloading work and transportation operations in construction] Kompleksnaia mekhanizatsiia pogruzochno-razgruzochnykh rabot i transportnykh operatsii v stroitel'stve. Moskva, Stroiizdat, 1964. 363 p.

GRINSHTEIN, M. M., and L. M. KUCHIKIAN. [Photoelectric relays in amateur radio receivers] Fotorele v radioliubitel'skoi praktike. Moskva, Izd-vo "Energiia," 1964. 72 p. (Massovaia radiobiblioteka, no. 533)

[GROATS, GROAT PRODUCTS AND CONCENTRATES] Krupa, krupianye produkty i kontsentraty. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 94 p. (SSSR. Gosudarstvennye standarty)

GUDIMOV, A. I. [Seven days in a taxi; reportage] Sem' dnei v taksi; reportazh. [Moskva] Mosk. rabochii, 1964. 100 p.

GUDKOV, A. S., E. IA. KIEVLENKO, and S. N. KONDRASHEV. [Fundamentals of prospecting for piezo-optical mineral deposits] Osnovy poiskov i razvedki mestorozhdenii p'ezoopticheskikh mineralov; metodicheskoe rukovodstvo. Moskva, Gosgeoltekhizdat, 1963. 217 p.

GURMAN, V. S. [Hydroriveting in the repair of automobile frames] Gidroklepka pri remonte avtomobil'nykh ram. Moskva, Izd-vo "Transport," 1964. 30 p.

GUSEV, IU. N. [Safety manual for workers in integrated brigades erecting industrial buildings] Pamiatka po tekhnike bezopasnosti dlia rabochikh kompleksnykh brigad po montazhu promyshlennykh zdanii. Moskva, Stroiizdat, 1964. 57 p. (Tekhnika bezopasnosti v stroitel'stve)

GUSHCHIN, V. I. [Safety manual for operators of equipment for churn drilling] Pamiatka po tekhnike bezopasnosti dlia mashinista stanka udarno-kanatnogo bureniia. Moskva, Stroiizdat, 1964. 20 p. (Tekhnika bezopasnosti v stroitel'stve)

[HANDBOOK ON CONSTRUCTION WORK FOR THE ELECTRIFICATION OF RAILROADS] Spravochnik po stroitel'nym rabotam pri elektrifikatsii zheleznykh dorog. [By] A. P. Alekseev i dr. Moskva, Izd-vo "Transport," 1964. 322 p.

[HYDRAULIC SUSPENSION SYSTEM CONSISTING OF SEPARATE UNITS FOR FARM TRACTORS] Razdel'noagregatnaia gidravlicheskaia navesnaia sistema sel'skokhoziaistvennykh traktorov. [By] N. M. Ioffe i dr. Izd. 2., dop. i ispr. Moskva, Vysshaia shkola, 1964. 176 p.

IAKOVLEV, A. T., and IA. D. VAISBERG. [Designing city gas mains] Proektirovanie gorodskikh gazoprovodov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 103 p.

IL'IN, E. V. [Installation of storage batteries and charging devices] Montazh akkumuliatornykh batarei i zariadnykh ustroistv. Moskva, Stroiizdat, 1964. 113 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

ITSKOVICH, E. L. [Statistical methods in production automation] Statisticheskie metody pri avtomatizatsii proizvodstva. Moskva, Izd-vo "Energiia," 1964. 189 p.

IUDIN, E. M. [Gear pumps; their basic parameters and design] Shesterennye nasosy; osnovnye parametry i ikh raschet. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1964. 236 p.

IVANOV, IU. V. [Modern saming and scouring machines for leather production; foreign technology] Sovremennye otzhimnye i razvodnye mashiny kozhevennogo proizvodstva; zarubezhnaia tekhnika. Moskva, Tsentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu TsDTI, 1963. 40 p. (Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii)

IVANOV, A. M., B. N. FALEVICH, and V. A. CHUDUTOV. [Laboratory work on reinforced concrete elements] Laboratornye raboty po zhelezobetonnym konstruktsiiam. Pod red. I. G. Ivanova-Diatlova. [Arosław?] Rosvuzizdat, 1963. 114 p.

IVANOVA, O. N. [Use of electronic commutation in automatic telephony] Primenenie elektronnoi kommutatsii v atvomaticheskoi telefonii; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 166 p.

[MICROFILM]

IVANOVA, V. S., and L. K. GORDIENKO. [New ways of increasing the strength of metals] Novye puti povysheniia prochnosti metallov. Moskva, Izd-vo "Nauka," 1964. 116 p.

IVANOVSKII, I. K. [Manual for assemblers of reinforced concrete bridge elements] Pamiatka montazhniku zhelezobetonnykh mostovykh konstruktsii. Moskva, Transport, 1964. 30 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

IZAKSON, A. M. [Soviet helicopter industry] Sovetskoe vertoletostroenie. Moskva, Mashinostroenie, 1964. 310 p.

JUKNA, ARTURS, and others. [New materials from wood waste] Jauni materiali no koksnes atliekam. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 130 p. [In Latvian]

KACHANOVA, N. A. [Electrical design of composite power systems using digital computers] Elektrychnyi rozrakhunok skladnykh energosistem na tsifrovykh obchysliuval'nykh mashynakh. Kyiv, Tekhnika, 1964. 111 p.

KALABIN, V. S. [Analysis of circuits for the reinsertion of the d. c. component in television] Analiz skhem vosstanovleniia postoiannoi sostavliaiushchei v televidenii. Moskva, Izd-vo "Sviaz'," 1964. 64 p. (Lektsii po tekhnike sviazi)

KALININ. TORFIANOI INSTITUT. [Gas heat service for buildings; a textbook for students majoring in "Industrial and civil construction"] Teplogazosnabzhenie zdanii; uchebnoe posobie dlia studentov spetsial'nosti "Promyshlennoe i grazhdanskoe stroitel'stvo." Kalinin, 1963. 138 p.

[MICROFILM]

KALITEEVSKII, R. E., A. A. TARAKANOVA, and S. V. TURETSKII. [Mechanized continuous sawmilling with the R63 log frame saws] Mekhanizirovannye potoki s lesopil'nymi ramami R63. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 35 p.

KALMAN, L. [Explosives] Lohkeained. Tallin, Tallinna Polutehniline Instituut, 1963. 121 p. [In Estonian]

KAMENETSKII, M. O. Robert Eduardovich Klasson. Moskva, Gosenergoizdat, 1963. 210 p.

KANISHCHEV, P. M. [Constructing livestock buildings of soil concrete; practices of the "Rodina Khrushcheva" Collective Farm near the village of Kalinovka, Kursk Province] Stroitel'stvo zhivotnovodcheskikh pomeshchenii iz gruntobetona; iz opyta kolkhoza "Rodina Khrushcheva" s. Kalinovki Kurskoi oblasti. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 20 p.

[MICROFILM]

KAPLAN, L. M., and L. L. SHAPIRO. [Operation and production planning in construction and assembling organizations] Operativno-proizvodstvennoe planirovanie v stroitel'no-montazhnykh organizatsiiakh. Leningrad, Stroiizdat, 1964. 170 p.

KARDASHOV, D. A. [Synthetic adhesives] Sinteticheskie klei. Moskva, Izd-vo "Khimiia," 1964. 494 p.

KARKLINS, P., and I. LEJNIEKS. [Structural elements] Buvkonstrukcijas. Riga, Latvijas Valsts izdba. [In Latvian]
Vol. I. 1963. 436 p.

KARLIUK, I. IA. [Organization of the work of a machine and tractor pool] Organizatsiia raboty mashinno-traktornogo parka. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi universitet: Sel'skokhoziaistvennyi fakul'tet, no. 4)

KASHINA, T. S. [Technology of wood finishing; manual on laboratory experiments for students of the faculty of the mechanical technology of wood] Tekhnologiia otdelki drevesiny; posobie k laboratornym rabotam dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. 42 p.

KAZAKOV, B. S. [Principles of construction work in gardens and parks] Osnovy stroitel'nogo dela v sadovo-parkovom khoziaistve. Izd. 2., dop. i perer. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 207 p.

KAZANSKII, N. V., and L. F. KUZNETSOV. [Masonry and furnace work] Kamennye i pechnye raboty. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 38 p. (Svoimi rukami)

KEL'BERT, D. L. [Safety measures in mechanizing heavy and labor-consuming work in the cotton and bast industries] Tekhnika bezopasnosti pri mekhanizatsii tiazhelykh i trudoemkikh rabot v khlopkovoi i lubianoi promyshlennosti. Pod obshchei red. F. Kh. Khodzhaeva i V. A. Kuvaldina. Tashkent, Gosizdat Uzbekskoi SSR, 1962. 181 p.

[MICROFILM]

KERSTEN, I. O. [Aerodynamic testing of mine fans] Aerodinamicheskie ispytaniia shakhtnykh ventiliatorov. Moskva, Izd-vo "Nedra," 1964. 162 p.

KHAMARMER, V. I. [Technical supervision of the construction of pipelines] Tekhnicheskii nadzor na stroitel'stve magistral'nykh truboprovodov. Leningrad, Izd-vo "Nedra," 1964. 106 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

KHECHUMOV, R. A. [Variational method for calculating constituent rods of variable cross sections] Variatsionnyi metod rascheta sostavnykh sterzhnei peremennogo secheniia. Moskva, Mosk. inzhenerno-stroitel'nyi in-t im. V. V. Kuibysheva, 1962. 26 p.

[MICROFILM]

KHIZHNIAKOV, S. V. [Practical calculations for the heat insulation of industrial equipment and piping] Prakticheskie raschety teplovoi izoliatsii promyshlennogo oborudovaniia i truboprovodov. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 143 p.

KHODOROV, T. IA. [Digital control computers] TSifrovye upravliaiushchie mashiny. Moskva, Mashinostroenie, 1964. 439 p.

KHOKHLOV, V. A. [Electrohydraulic servo drive] Elektrogidravlicheskii slediashchii privod. Moskva, Izd-vo "Nauka," 1964. 230 p.

KHOLIN, A. I., ed. [Problems in nuclear geophysics; collection of articles] Problemy iadernoi geofiziki; sbornik statei. Moskva, Nedra, 1964. 213 p.

KIREEV, V. A. [Macromolecular compounds and materials; a manual for a course in general chemistry for the students of the Moscow Engineering and Construction Institute] Vysokomolekuliarnye soedineniia i materialy; uchebnoe posobie po kursu obshchei khimii dlia studentov Moskovskogo inzhenerno-stroitel'nogo instituta im. V. V. Kuibysheva. Moskva, Mosk. inzhenerno-stroitel'nyi in-t im. V. V. Kuibysheva, [1960] 51 p.

[MICROFILM]

KISELEVA, P. N. [Industrial diamonds] Tekhnicheskie almazy. Moskva, Izd-vo "Nedra," 1964. 152 p.

KITAITSEV, V. A. [Technology of heat-insulating materials] Tekhnologiia teploizoliatsionnykh materialov. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 403 p.

KIVISELG, FELIKS, and EUGEN OJAMAA. [Local building materials] Kohalikud ehitusmaterjalid. Tallinn, Eesti Riiklik Kirjastus, 1964. 278 p. [In Estonian]

KLIUCHEV, V. I. [Choice of electric motors for industrial mechanisms] Vybor elektrodvigatelei dlia proizvodstvennykh mekhanizmov. Izd. 2. Moskva, Izd-vo "Energiia," 1964. (Biblioteka elektromontera, no. 127)

KLIUEV, S. A. [Calculation of the electrical lighting of industrial premises] Kak raschitat' elektricheskoe osveshchenie proizvodstvennogo pomeshcheniia. Izd. 2., dop. Moskva, Izd-vo "Energiia," 1964. 62 p. (Biblioteka elektromontera, no. 128)

KNIAZEV, N. M. [High efficiency tools; for turners and drillers] Instrumenty vysokoi proizvoditel'nosti; dlia tokarei i sverlovshchikov. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 51 p. (Shkola molodogo rabochego)

KOBOZEV, V. M. [General problems of the manufacture and repair of electric rolling stock; manual for students in the course on "Manufacture and repair of electric rolling stock"] Obshchie voprosy proizvodstva i remonta elektricheskogo podvizhnogo sostava; uchebnoe posobie dlia studentov po kursu "Proizvodstvo i remont elektricheskogo podvizhnogo sostava." Moskva, MEI.
No. 1. Bondarevskii, D. N., ed. 1962. 173 p.

KOCHETKOV, V. T., A. M. POLOVKO, and V. M. PONOMAREV. [Theory of remote control and homing guidance of rockets] Teoriia sistem teleupravleniia i samonavedeniia raket. Moskva, Izd-vo "Nauka," 1964. 536 p.

KOGOS, A. M. [Mechanical equipment of wire drawing and strip rolling mills] Mekhanicheskoe oborudovanie volochil'nykh i lentoprokatnykh tsekhov. Izd. 2. Moskva, Izd-vo "Metallurgiia," 1964. 391 p.

KOLOMENSKII, N. V., and I. S. KOMAROV. [Engineering geology] Inzhenernaia geologiia. [IAroslavl'] Vysshaia shkola, 1964. 480 p.

KONEV, B. F. [How to save gasoline in the operation of automobiles] Kak ekonomit' benzin pri ekspluatatsii avtomobilia. Moskva, Transport, 1964. 119 p. (Biblioteka shofera)

KORENEV, G. V. [Introduction to the mechanics of a guided body] Vvedenie v mekhaniku upravliaemogo tela. Moskva, Izd-vo "Nauka," 1964. 568 p.

KORNIENKO, V. S., B. V. POPOVSKII, and G. V. LINEVICH. [Preparing and erecting steel reservoirs and gasholders] Izgotovlenie i montazh stal'nykh reservuarov i gazgol'derov. Moskva, Stroiizdat, 1964. 319 p.

KORNILOVICH, IU. E., and V. I. BELOKHVOSTIKOVA. [Ultrasonics in the technology of concrete] Ul'trazvuk v tekhnologii betona. Kiev, Gosstroiizdat USSR, 1964. 56 p.

KOSHMAN, G. P. [Safety manual for electricians engaged in electric equipment and electric structure rigging operations] Pamiatka po tekhnike bezopasnosti dlia elektromontera pri takelazhe elektooborudovaniia i elektrokonstruktsii. Moskva, Stroiizdat, 1964. 37 p. (Tekhnika bezopasnosti v stroitel'stve)

KOSHMAN, G. P. [Safety manual for the shop workers of electric equipment installation administrations] Pamiatka po tekhnike bezopasnosti dlia rabochikh masterskikh elektromontazhnykh upravlenii. Moskva, Stroizdat, 1964. 45 p. (Tekhnika bezopasnosti v stroitel'stve)

KOSIACHENKO, A. P., and I. A. MOLCHAN. [Machine-shop practice] Slesarnoe delo. Izd. 3., isp. i perer. Moskva, Izd-vo "Mashinostroenie," 1964. 214 p.

KOSTENKO, E. P. [Operation of piston compressors] Ekspluatatsiia porshnevykh kompressorov. Moskva, Izd-vo "Mashinostroenie," 1964. 105 p.

KOVARSKII, L. G. [Protection of boilers from incrustations and soot accumulation] Zashchita parovykh kotlov ot shlakovaniia i zanosa zoloi. Moskva, Izd-vo "Energiia," 1964. 270 p.

KOZLOV, S. S. [Placement of communication cables parallel with gas pipes] Ustroistvo kabel'nykh linii sviazi na gazoprovode. Moskva, Izd-vo "Nedra," 1964. 64 p.

KRASHENINNIKOVA, G. V. [Calculation of beams with resilient foundations of finite depth] Raschet balok na uprugom osnovanii konechnoi glubiny. Moskva, Izd-vo "Energiia," 1964. 97 p.

KREER, A. M. [New mixing machinery and equipment; a manual for improving by correspondence courses the qualifications of engineers studying the subject "Present-day construction machinery and equipment"] Novye smesitel'nye mashiny i ustanovki; uchebnoe posobie dlia zaochnogo povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov po predmetu: "Sovremennye stroitel'nye mashiny i oborudovanie." Moskva, Vses. zaochnyi stroitel'nyi tekhnikum, 1963. 38 p.

[MICROFILM]

KRISHTAL, M. A., IU. V. PIGUZOV, and S. A. GOLOVIN. [Internal friction in metals and alloys] Vnutrennee trenie v metallakh i splavakh. Moskva, Izd-vo Metallurgiia, 1964. 245 p.

KRYLOV, V. A. [Assembling the equipment of steel smelting plants] Montazh oborudovaniia staleplavil'nykh tsekhov. Moskva, Stroiizdat, 1964. 289 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

KULDMA, HARRI. [Fundamentals of fatigue strength calculations in machine construction] Vasimustugevusele arvutamise alused masinaehituses. Tallinn, Tallinna Polütehniline Instituut, 1964. 44 p. [In Estonian]

KUPRIN, A.I. [Pressureless hydraulic conveying] Beznapornyi gidrotransport. Moskva, Izd-vo "Nedra," 1964. 119 p.

KURDIUKOV, G.V., and V.I. KUZNETSOV. [Large-panel apartment houses] Doma iz krupnykh panelei. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. [illegible] p.

KURNOSOV, A.M., B.A. ROZENTRETER, and M.I. USTINOV. [Scientific principles for the design of coal mines for the mining of flat seams] Nauchnye osnovy proektirovaniia ugol'nykh shakht dlia razrabotki pologikh plastov. Moskva, Izd-vo "Nauka," 1964. 447 p.

KUTIKOV, G.S. [Automobile maintenance] Tekhnicheskoe obsluzhivanie avtomobilei. Izd. 2., perer. Moskva, Izd-vo "Transport," 1964. 61 p. (Nauchno-populiarnaia biblioteka avtomobilista)

KUZNETSOV, B.A., ed. [Manual on the purchasing of wool, peltry, fur and leather raw materials] Spravochnik po zakupkam shersti, pushniny, mekhovogo i kozhevennogo syr'ia. Moskva, 1964. 150 p.

KUZNETSOV, M.I. [Principles of electrical engineering] Osnovy elektrotekhniki. 9. izd., ispr. Pod red. S.V. Strakhova. Moskva, Vysshaia shkola, 1964. 558 p.

LABUTIN, V.K. [Transistor diodes] Poluprovodnikovye diody. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 495)

LAGZDINS, EDGARS. [Gypsum and its utilization] Gipsis un ta izmantosana. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 70 p. [In Latvian]

LAKERNIK, M.M. [Electrothermics in the metallurgy of copper, lead, and zinc] Elektrotermiia v metallurgii medi, svintsa i tsinka. Moskva, Izd-vo "Metallurgiia," 1964. 283 p.

LALIEV, A.G. [Maikop series in Georgia; stratigraphy, formation conditions, oil and gas potentials] Maikopskaia seriia Gruzii; stratigrafiia, usloviia obrazovaniia, neftegazonosnost'. Pod red. M.I. Varentsova. Moskva, Nedra, 1964. 307 p.

LAPO, D.P. [Safety manual for workers operating crushing equipment] Pamiatka po tekhnike bezopasnosti dlia rabochikh drobil'nykh ustanovok. Moskva, Stroiizdat, 1964. 30 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

LAZARIAN, V.A. [Dynamics of railroad cars; stability of motion and vibrations] Dinamika vagonov; ustoichivost' dvizheniia i kolebaniia. Moskva, Izd-vo "Transport," 1964. 254 p.

LEBEDEV, A.S. [Methods of reconditioning machine tool parts] Sposoby vosstanovleniia detalei stankov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 255 p.

LEBEDEV, A.V. [New development in the drive for production quality; the Saratov system of organizing the manufacture of products without defects] Novoe v bor'be za kachestvo produktsii; o sisteme organizatsii bezdefektnogo izgotovleniia produktsii na saratovskikh predpriiatiiakh. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no. 9/81)

LEBEDEVA, K.V. [Safety measures in the metallurgy of lead and zinc] Tekhnika bezopasnosti v metallurgii svintsa i tsinka. Moskva, Metallurgizdat, 1963. 298 p.

LENINGRAD. UNIVERSITET. Geologicheskii fakul'tet. [Soil science and engineering geology] Gruntovedenie i inzhenernaia geologiia; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1964. 165 p.

LEPAEV, D.A., and N.IA. SHTEKHMAN. [Repair of household electrical appliances; a handbook and manual] Remont bytovykh elektropriborov; spravochnik-rukovodstvo. Moskva, Gos. izd-vo lit-ry po bytovomu obsluzhivaniiu naseleniia, 1963. 293 p.

LETNEV, B.IA. [Mechanical drawing for agricultural machinery operators] Cherchenie dlia sel'skikh mekhanizatorov. Izd. 2., dop. i perer. Moskva, Vysshaia shkola, 1964. 319 p.

LEVIN, A.N. [Plastic material number one] Plastik nomer odin. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no. 3)

LEVKOV, E.A. [Mineral resources of White Russia] V nedrakh zemli Belorusskoi. Minsk, Izd-vo "Belarus'," 1964. 121 p.

LIADOV, V.V. [Welding of rails; work practices of the rail-welding team on train No. 1 of the October Railroad] Svarka rel'sov; opyt raboty kollektiva rel'sosvarochnogo poezda No. 1 Oktiabr'skoi dorogi. Moskva, Izd-vo "Transport," 1964. 44 p.

LIBKIND, M.S., and I.M. MARKOVICH. [Electricity on the move] Elektrichestvo v puti. Moskva, Izd-vo "Energiia," 1964. 120 p.

LITVINENKO, O.N., and V.I. SOSHNIKOV. [Theory of nonuniform lines and their use in radio engineering] Teoriia neodnorodnykh linii i ikh primenenie v radiotekhnike. Moskva, "Sovetskoe radio," 1964. 535 p.

LIUKSHIN, V.S. [Theory of helical lines and surfaces; for use in designing metal-cutting tools] Teoriia vintovykh linii i poverkhnostei; primenitel'no k proektirovaniiu rezhushchikh instrumentov. Moskva, Mosk. stankoinstrumental'nyi in-t, 1963. 216 p.

——— [Album of drawings] Al'bom chertezhei. 32 p.

LOBACHEV, P.V., and F.A. SHEVELEV. [Water meters for water supply lines and sewer systems] Vodomery dlia vodoprovodov i kanalizatsii 3. izd., ispr. i dop. Moskva, Stroiizdat, 1964. 320 p.

LOGINOV, V.S. [Gas pipelines made of vinyl plastics; installation and operation] Viniplastovye gazoprovody; opyt montazha i ekspluatatsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 50 p.

LVOV. POLITEKHNICHNYI INSTYTUT. [Collection of problems for home work on the strength of materials] Zbirnyk zadach dlia rozrakhunkovykh domashnikh robit z oporu materialiv. L'viv, 1962. 60 p.

LYSKANOV, G.A. [Experience in building a dam of the frozen type in Yakutia] Opyt stroitel'stva plotiny merzlovo tipa v IAkutii. IAkutsk, IAkutskoe knizhnoe izd-vo, 1964. 69 p.

LYSOV, M.I. [Steering gear on automobiles] Rulevye upravleniia avtomobilei. Moskva, Izd-vo "Mashinostroenie," 1964. 245 p.

[MACHINE BUILDERS HANDBOOK; in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N.S. Acherkan i dr. Moskva, Izd-vo "Mashinostroenie,"

Vol. 6. Satel', E.A., ed. Izd. 3., ispr. i dop. 1964. 540 p.

MAKHNOVICH, A.T. [Safety manual for workers using pneumatic tools] Pamiatka po tekhnike bezopasnosti dlia rabochikh, pol'zuiushchikhsia pnevmaticheskim instrumentom. Moskva, Stroiizdat, 1964. 30 p. (Tekhnika bezopasnosti v stroitel'stve)

MAKSIMOVSKII, N.S. [Sewer networks; design practices] Kanalizatsionnaia set'; praktika proektirovaniia. Moskva, "Stroiizdat," 1964. 179 p.

MALIČOVSKÝ, RUDOLF. [Assembling structural elements of industrial buildings. Abridged translation from the Czech] Montazh stroitel'nykh konstruktsii promyshlennykh sooruzhenii. Moskva, Stroiizdat, 1964. 86 p.

MAL'TSEV, M.V. [Modifying the structure of metals and alloys] Modifitsirovanie struktury metallov i splavov. Moskva, Izd-vo "Metallurgiia," 1964. 212 p.

[MANUAL FOR A LOGGING CAMP MACHINERY OPERATOR] Spravochnik mekhanika lespromkhoza. [By] S.I. Ruzin i dr. Moskva, Goslesbumizdat, 1963. 431 p.

MANUILOV, L.A., G.I. KLIUKOVSKII, and O.G. [illegible]VA. [Methods of laboratory testing of building materials and building parts] Metody laboratornykh ispytanii stroitel'nykh materialov i stroitel'nykh detalei. Moskva, Vysshaia shkola, 1964. 321 p.

MARKOVICH, N.M., V.S. MARSHEV, and G.E. [illegible]SKII. [Rotary percussion machinery for drilling holes] Vrashchatel'no-udarnye ustanovki dlia bureniia shpurov. Moskva, Izd-vo "Nedra," 1964. [illegible] p.

MAZEPA, B.A. [Controlling paraffin deposition in petroleum production abroad] Bor'ba s parafinovymi otlozheniiami pri dobyche nefti za rubezhom. Moskva, Gostoptekhizdat, 1961. 89 p.

[MECHANICAL LOOMS FOR RUG AND CARPET WEAVING] Mekhanicheskie kovrotkatskie stanki. [By] P.F. Fedosenko i dr. Moskva, Izd-vo "Legkaia industriia," 1964. 323 p. (Uchebniki i uchebnye posobiia dlia podgotovki rabochikh massovykh professii)

[MECHANIZATION AND AUTOMATION OF MAIL PROCESSING OPERATIONS] Mekhanizatsiia i avtomatizatsiia obrabotki pochty; informatsionnyi sbornik. Moskva, Izd-vo "Sviaz'," 1964. 77 p. (Pochtovaia tekhnika)

MEINERT, V.A. [Maintenance of bulldozers] Tekhnicheskoe obsluzhivanie bul'dozerov. Moskva, Izd-vo "Transport," 1964. 83 p.

MELAMED, G.I., V.D. TSVETKOV, and D.S. AL'[illegible]. [Machine-tool units] Agregatnye stanki. Moskva, Izd-vo "Mashinostroenie," 1964. 423 p.

MEL'TSER, V.G. [Electron tubes with secondary emission and their applications] Lampy s vtorichnoi emissiei i ikh primenenie. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka, no. 514)

MERKULOV, P.I., ed. [Manual on the quality of production from plant growing] Spravochnik po kachestvu produktov rastenievodstva. Moskva, Rossel'khozizdat, 1964. 318 p.

[METHODS OF CALCULATING THE GENERAL INFLUX OF WATER INTO COAL MINES] Metody rascheta obshchego pritoka vody v shakhty ugol'nykh mestorozhdenii. [By] V.D. Babushkin i dr. Moskva, Izd-vo "Nedra," 1964. 122 p.

METTER, I.M. [Introduction to quantum electronics] Vvedenie v kvantovuiu elektroniku; uchebnoe posobie. Leningrad, Leningr. elektrotekhn. in-t sviazi im. prof. M.A. Bonch-Bruevicha.

Pt. 2. 1964. 51 p.

MIKHAILETS, N.S., and others. [Manufacture of rails at the Kuznetsk Metallurgical Combine] Proizvodstvo rel'sov na Kuznetskom metallurgicheskom kombinate. Moskva, Izd-vo "Metallurgiia," 1964. 223 p.

MIKHAILOV, A.V., A.IA. KUZNETSOV, and IU.B. ABRAMOV. [Construction of the Volga Hydroelectric Power Station (22d Congress of the CPSU); experience in planning and carrying out the construction work] Stroitel'stvo Volzhskoi gidroelektrostantsii imeni XXII s"ezda KPSS; opyt proektirovaniia i proizvodstva rabot. Moskva, Izd-vo "Energiia," 1964. 484 p.

MIKHAILOV, K.V. [Wire reinforcement for prestressed reinforced concrete] Provolochnaia armatura dlia predvaritel'no napriazhennogo zhelezobetona. Moskva, Stroiizdat, 1964. 189 p.

MIKHALEVSKII, V.S. [Principles of the theory of superhigh-frequency delay systems] Elementy teorii sverkhvysokochastotnykh zamedliaiushchikh sistem. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 167 p.

MIKHALIN, G.I. [Adjustment and regulation of stationary diesel engines] Naladka i regulirovka statsionarnykh dizelei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 126 p.

MIKULIN, V.P. [25 lessons in photography; practical manual] 25 urokov fotografii; prakticheskoe rukovodstvo. 11. izd. Moskva, Iskusstvo, 1963. 480 p.

MIL'MAN, IA. V., and [illegible] [Fundamentals of the automation of technological processes in the textile industry] [illegible] Moskva, Izd-vo "Legkaia industriia," 1964. 380 p.

MIRONOV, G. A. [Test programs for checking electronic digital computers] Ispytatel'nye programmy dlia kontrolia elektronnykh tsifrovykh mashin. Pod red. N.A. [illegible] Moskva, Izd-vo "Nauka," 1964. 261 p. [illegible]

MISHKEVICH, G. I. [illegible] [illegible] 1964. 174 p.

MISHNAEVSKII, A. P. [Atlas for the design and layout of [illegible]] [illegible] Moskva, Izd-vo "Energiia," 1964. 97 p.

[illegible] [Atlas of [illegible] of aluminum alloys] Atlas [illegible] Moskva, Mashinostroenie, 1964. 54 p.

MOLDAVSKII, [illegible] [illegible] Moskva, Izd-vo "Metallurgiia," 1964. [illegible] p.

MOLODAIA, [illegible] [illegible] Moskva, [illegible] 1963. 175 p. [illegible]

[illegible] [illegible] Leningrad, [illegible] 1964. 165 p.

[illegible] [illegible] Leningrad, Stroiizdat, 1964. [illegible] p.

[illegible] [illegible] Leningrad, [illegible] 1964. [illegible] p.

[illegible] [illegible] 1963. [illegible] p.

MOSCOW. [illegible] [illegible] 1963. [illegible] p.

MOSCOW. [illegible] [illegible] Moskva, [illegible] 1964. [illegible] p.

MOSCOW. INSTITUT [illegible] [The media and [illegible]] [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] p.

MOSCOW. INSTITUT [illegible] [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] p.

MOSCOW. INSTITUT MASHINOVEDENIIA. [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] p.

MOSCOW. INSTITUT [illegible] INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Protecting pipelines from corrosion] [illegible] Moskva, 1962. [illegible] p. [illegible]
[MICROFILM]

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ORGANIZATSII I MEKHANIZATSII STROITEL'NOGO PROIZVODSTVA. [Album on the technical maintenance of the [illegible] crane] Al'bom tekhnicheskogo [illegible] Moskva, Stroiizdat, 1964. [illegible] p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OSNOVANII I PODZEMNYKH SOORUZHENII. [Manual on designing foundations of buildings and structures] [illegible] Moskva, [illegible] 1964. 104 p.

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII CHERNOI METALLURGII. [Ferrous metallurgy in capitalist countries] [illegible] Moskva, Metallurgizdat. [illegible]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII [illegible] PROMYSHLENNOSTI. [Selecting the optimal [illegible] and the rotation speed of a [illegible]] [illegible] Moskva, 1964. 21 p. [illegible]
[MICROFILM]

MOSCOW. [illegible] [illegible] 1964. [illegible]

[MOSCOW. [illegible]] [illegible] 1964. [illegible] p.

MOSCOW. [illegible] [illegible] Moskva, [illegible] 1964. 172 p.

[illegible] [illegible] 1963. [illegible] p.

[illegible] [illegible] Moskva, Transport, 1964. [illegible] p.

[illegible], and [illegible] [illegible] Moskva, Transport, 1964. [illegible] p.

[illegible], D. N. [Semiconductor compounds $A^{III}B^{V}$ and their application] [illegible] $A^{III}B^{V}$ [illegible] Leningrad, 1964. 21 p. [illegible]

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO PROBLEMAM KURSKOI MAGNITNOI ANOMALII IM. AKADEMIKA L. D. SHEVIAKOVA. [Technology of the underground mining and breaking of iron quartzite from the Kursk Magnetic Anomaly] [illegible] KMA. Moskva, Izd-vo "Nauka," 1964. 111 p.

NAUCHNO-KOORDINATSIONNOE SOVESHCHANIE PO VOPROSAM POLZUCHESTI. Moscow, 1962. [Creep of building materials and structural elements] [illegible] Pod red. A. R. [illegible] Moskva, Stroiizdat, 1964. [illegible] p.

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO ENERGETICHESKOI PROMYSHLENNOSTI. Belorusskoe respublikanskoe otdelenie. [Electric power plants and networks; exchange of technical and work experience] Elektrostantsii i seti; obmen proizvodstvenno-tekhnicheskim opytom. Minsk, 1962. 67 p.
[MICROFILM]

NECHIPORENKO, V. I. [Functionally reliable electronic circuits; design methods] Funktsional'no nadezhnye elektronnye skhemy; metody postroeniia. Izd. 2., stereotipnoe. Kiev, Izd-vo "Tekhnika," 1964. [illegible] p.

NEKRASOV, K. D., ed. [Heat-resistant concrete] Zharostoikie betony. Moskva, Stroiizdat, 1964. [illegible] p.

NIKITIN, I. I., V. N. GALEEV, and G. I. PENTEL'KOV. [Labor protection in the woodworking industries; manual for foremen] Okhrana truda v derevoobrabatyvaiushchei promyshlennosti; posobie dlia masterov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 175 p.

NIKITIN, M. N. [Weaving theory based on mathematical principles] Teoriia tkatskikh perepletenii na matematicheskoi osnove. Moskva, Izd-vo "Legkaia industriia," 1964. [illegible] p.

[NIKOPOL' MANGANESE ORE BASIN] Nikopol'skii margantsevorudnyi bassein. Moskva, Izd-vo "Nedra," 1964. [illegible] p.

NOVOSIBIRSK. [illegible] [illegible] 1962. 60 p.
[MICROFILM]

[illegible], A. L., M. V. [illegible], and [illegible] [Assembling elevators] Montazh liftov. Moskva, Stroiizdat, 1964. [illegible] p. [illegible]

[illegible] [Engineering and technological [illegible]] [illegible] Moskva, Izd-vo "Mashinostroenie," 1964. [illegible] p.

[illegible] [Storage of petroleum and petroleum products] Khranenie nefti i nefteproduktov. Izd. 2., perer. i dop. Leningrad, Nedra, 1964. [illegible] p.

[illegible], and [illegible], eds. [Automation of the operation of [illegible]] [illegible] Moskva, Transport, 1964. [illegible] p.

[illegible], G. D., and D. F. [illegible] [Tools and equipment for [illegible]] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible], F. A., ed. [Mechanization and automation of the peat industry] [illegible] Minsk, Izd-vo "Vysshaia shkola," 1964. [illegible] p.

[OPERATIONAL PLANNING IN CONSTRUCTION BY STAGES AND COMPLEXES] Operativnoe planirovanie v stroitel'stve po etapam i kompleksam rabot. [By] [illegible] Moskva, Stroiizdat, 1964. [illegible] p.

[OPTICAL INSTRUMENT FOR TRACK ALIGNMENT AND SURFACING] Opticheskii pribor dlia vypravki i rikhtovki puti. Moskva, Izd-vo "Transport," 1964. [illegible] p.

ORAZOV, K. [Power of mechanization] [illegible] Ashkhabad, [illegible] 1963. [illegible] p. [In Turkmen]

[illegible], V. S. [Fire prevention in enterprises of the mining industry] Pozharnaia okhrana predpriiatii gornoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. [illegible] p.

ORGRES, trust, Moscow. [Methods for adjusting the automatic control systems of once-through type boilers] Metodika naladki sistem avtomaticheskogo regulirovaniia priamotochnykh kotlov. Moskva, Izd-vo "Energiia," 1964. 110 p.

ORGRES, trust, Moscow. [Methods of industrial thermochemical testing of barrel boilers] Metodika ekspluatatsionnykh teplokhimicheskikh ispytanii barabannykh kotlov. Moskva, Izd-vo "Energiia," 1964. 126 p.

ORGRES, trust, Moscow. [Treatment of cooling water in thermal electric power plants] Obrabotka okhlazhdaiushchei vody na teplovykh elektrostantsiiakh. Moskva, Izd-vo "Energiia," 1964. 159 p.

ORLOV, V.I. [A treatise on inspiration which gives birth to great inventions] Traktat o vdokhnoven'e rozhdaiushchem velikie izobreteniia. Moskva, Izd-vo "Znanie," 1964. 349 p.

ORLOVSKII, A.D. [Mechanization of earthwork for construction in the Soviet Northeast] Mekhanizatsiia zemlianykh rabot v stroitel'stve na Severo-Vostoke SSSR. [Magadan] Magadanskoe knizhnoe izd-vo, 1963. 93 p.

OSIPOV, K.D., and V.V. PASYNKOV. [Reference book on radio measuring devices] Spravochnik po radioizmeritel'nym priboram. Pod red. G.A. Remeza. Moskva, Sovetskoe radio.
Pt. 5. [Supplement] Dopolnitel'naia. 1964. 397 p. diagrs. (insert)

OSTROVSKII, M.L. [Manual for the electrician; repair, installation, and operation of electrical equipment] Spravochnoe posobie elektromontera; remont, montazh i ekspluatatsiia elektrooborudovaniia. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 213 p.

PANASENKO, A.D. [Water pumps] Vodianye nasosy. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 146 p.

PANASIUK, A.M. [Tables of partial areas of a water section at a hydrometric gauge point] Tablitsy chastichnykh ploshchadei vodnogo secheniia v gidrometricheskom stvore. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 27 p.

PANKIN, A.V., and D.N. BURDOV. [Manufacture and use of the new cooling and lubricating fluids] Izgotovlenie i primenenie novykh okhlazhdaiushche-smazyvaiushchikh zhidkostei. Moskva, Izd-vo "Mashinostroenie," 1964. 175 p.

PATKOVSKII, A.B. [Ore dressing plants for the iron and steel industry] Fabriki dlia okuskovaniia rudnogo syr'ia chernoi metallurgii. Moskva, Izd-vo Metallurgiia, 1964. 399 p.

PATROSOV, V.I. [Safety measures in the manufacture of alkyd lacquers, natural drying oils and siccatives] Tekhnika bezopasnosti v proizvodstve alkidnykh lakov, natural'nykh olif i sikkativov. Moskva, Izd-vo "Khimiia," 1964. 21 p. (Pamiatka po tekhnike bezopasnosti)

PATSKEVICH, I.R., ed. [Investigation and application of hard facing and build-up welding with a weaving arc] Issledovanie i primenenie vibrodugovoi naplavki. Moskva, Izd-vo "Mashinostroenie," 1964. 231 p.

PEDUSAAR, HEINO. [Electrical and radio engineering for beginners] Elektro - ja raadiotekhnika algajaile. Teine, taiendatud trukk. Tallinn, Eesti Riiklik Kirjastus, 1963. 396 p. [In Estonian]

PEKER, IA.D. [Improving the microclimate of apartment houses and public buildings] Uluchshenie mikroklimata zhilykh i obshchestvennykh zdanii. Kiev, Gosstroiizdat USSR, 1964. 96 p.

PENZA. MASHINOSTROITEL'NYI TEKHNIKUM. [Allowances, fits and technical measurements; manual for students of secondary specialized correspondence schools] Dopuski, posadki i tekhnicheskie izmereniia; uchebno-metodicheskoe posobie dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 17 p.

PEREDERII, I.A. [Using high-strength gypsum in construction] Primenenie vysokoprochnogo gipsa v stroitel'stve. Kuibyshev n/Volge, Kuibyshevskii inzhenerno-stroit. in-t, 1963. 284 p. illus.

PERVUSHIN, S.A. [Nonferrous metals and their occurrence in nature] TSvetnye metally i ikh nakhozhdenie v prirode. Moskva, Metallurgizdat, 1963. 50 p.

PETRIK, M.I., and V.A. SHISHKOV. [Tables for the selection of cog wheels] Tablitsy dlia podbora zubchatykh koles. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 450 p.

PETROV, N.G. [Short-delay blasting in mines] Korotkozamedlennoe vzryvanie v shakhtakh. Moskva, Nedra, 1964. 142 p.

PETROVA, A.N. [Safety manual for setters and selectors of ceramic and porcelain wares] Pamiatka po tekhnike bezopasnosti dlia stavil'shchika i vyborshchika keramicheskikh i farforofaiansovykh izdelii. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

PIKHTOVNIKOV, R.V., and V.I. ZAV'IALOVA. [Sheet-metal work by explosion] Shtampovka listovogo metalla vzryvom. Moskva, Izd-vo "Mashinostroenie," 1964. 173 p.

POKHODZILO, P.V. [Development of basic methods and techniques in radio measurements; an historical and technical account] Razvitie osnovnykh metodov i tekhniki radioizmerenii; istoriko-tekhnicheskii ocherk. Kiev, Izd-vo "Naukova dumka," 1964. 285 p.

POLIAKOV, G.E., and A.I. KOVARSKII. [Installation and operation of industrial electrical equipment] Montazh i ekspluatatsiia promyshlennogo elektrooborudovaniia. Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1964. 339 p.

POLIKARPOV, T.A. [Album of designs for the laying of ceramic floor tiles] Al'bom uzorov dlia vykladki polov iz plitok. Kiev, Gosstroiizdat USSR, 1964. 6 p. illus.

POPOV, B.V. [The young electrician] IUnyi elektrotekhnik. Perm'. Permskoe knizhnoe izd-vo, 1959. 85 p.

POPOV, G.N., and others. [Characteristics of the development of radioactive ore deposits] Osobennosti razrabotki mestorozhdenii radioaktivnykh rud. Moskva, Atomizdat, 1964. 218 p.

POPOV, V.S. [Heated metal resistors in electric measuring instruments and automatic control] Metallicheskie podogrevaemye soprotivleniia v elektroizmeritel'noi tekhnike i avtomatike. Moskva, Izd-vo "Nauka," 1964. 226 p.

[POWER ENGINEERING OF THE FUTURE; the second discussion] Energetika budushchego; beseda vtoraia. [By] L.A. Artsimovich i dr. Moskva, Izd-vo "Znanie," 1964. 54 p. (Novoe v zhizni, nauke, tekhnike. Seriia IX: Fizika, matematika, astronomiia, no. 11)

PRESNIAKOV, A.A., V.A. SAMOILOV, and V.V. CHERVIAKOVA. [Plasticity of commercial-grade alloys; reference materials] Plastichnost' tekhnicheskikh splavov; spravochnye materialy. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 219 p.

PRIPECHENKOV, K.F. [Put full loads on machinery] Tekhnike - polnuiu zagruzku. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 54 p. (Bibliotechka mekhanizatora)

[PROGRESSIVE PRACTICES IN THE HEAT TREATMENT OF MACHINE PARTS] Peredovoi opyt termicheskoi obrabotki detalei. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 55 p.

PROKHOROV, V.B. [Operation of machines in the lumbering industry] Ekspluatatsiia mashin v lesozagotovitel'noi promyshlennosti. Moskva, Goslesbumizdat, 1963. 382 p.

PROKHOROV, V.R., and K.G. RAKHMANOVA. [Design and planning of confectionery enterprises] Proektirovanie konditerskikh predpriiatii. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 335 p.

[PROTECTIVE COATINGS] Zashchitnye pokrytiia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 50 p. (SSSR. Gosudarstvennye standarty)

PROTSENKO, A.N. [Conquering the atom] Pokorenie atoma. Moskva, Atomizdat, 1964. 173 p. (Nauchno-populiarnaia biblioteka Atomizdata)

PUGACHEV, A.S. [Technical drawing] Tekhnicheskoe risovanie. Leningrad, Izd-vo "Sudostroenie," 1964. 143 p.

PURKIN, B.L. [Bearings manufactured in Saratov] Saratovskie podshipniki. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 37 p.

PUZANOVA, V.P. [Indication of length dimensions on part drawings] Prostanovka razmerov dliny v chertezhakh detalei. Moskva, Mashinostroenie, 1964. 103 p.

PYZHEVICH, L.M. [Design of friction brakes] Raschet friktsionnykh tormozov. Moskva, Izd-vo "Mashinostroenie," 1964. 227 p.

RAAMET, RAIMOND. [Structural mechanics] Ehitusmehaanika. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 1. [The statics of frame construction] Varraskonstruktsioonide staatika. 1964. 313 p.

RAKHMANOV, V.A. [Safety manual for operators of tractor bulldozers] Pamiatka po tekhnike bezopasnosti dlia traktorista-bul'dozerista. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 20 p. (Tekhnika bezopasnosti v stroitel'stve)

RAMM, G.S. [Electronic amplifiers] Elektronnye usiliteli. Moskva, Izd-vo "Sviaz'," 1964. 334 p.

[RAW KARAKUL AND ASTRAKHAN SKINS] Karakulevo-smushkovoe syr'e. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 43 p. (SSSR. Gosudarstvennye standarty)

REIZINS, RUDOLFS. [A sheet of paper talks about itself] Papira lapa stasta par sevi. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 95 p. [In Latvian]

ROMANENKO, P.N., and M.IA. ROITMAN. [Fire prevention measures for heating and ventilation systems] Pozharnaia profilaktika otopitel'no-ventiliatsionnykh sistem. Moskva, Izd-vo lit-ry po stroitel'stvu "Stroiizdat," 1964. 251 p.

ROZEN, B.IA. [Rare elements and their uses] Redkie elementy i ikh primenenie. Moskva, Izd-vo "Znanie," 1964. 103 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 5)

RUBINOVICH, L.D. [Preparing a refrigeration unit to be put in operation] Podgotovka kholodil'noi ustanovki k sdache v ekspluatatsiiu. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 62 p. (V pomoshch' kholodil'shchiku)

RUDNAI, GYULA. [Lightweight concrete. Abridged translation from the Hungarian] Legkii beton. Pod red. G.A. Buzhevicha. Moskva, Stroiizdat, 1964. 239 p.

RUDOL'F, V.V. [Production and use of citrus extracts for the soft drinks industry] Proizvodstvo i ispol'zovanie tsitrusovykh nastoev dlia bezalkogol'noi promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 110 p.

RUMIANTSEV, M.M. ["Pioneer" transistorized superheterodyne receiver] Tranzistornyi supergeterodin "Pioner." Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 509).

RUPPENEIT, K.V., M.A. DOLGIKH, and V.V. MATVIENKO. [Probability methods for the evaluation of the strength and deformation of rocks] Veroiatnostnye metody otsenki prochnosti i deformiruemosti gornykh porod. Moskva, Stroiizdat, 1964. 81 p.

RUSAKOV, D.M., and others. [Multipurpose utilization of lumber] Kompleksnoe ispol'zovanie drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-vo, [1963] 121 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie gorodskoi i sel'skoi telefonnoi sviazi i radiofikatsii. [Instructions on the design of rural telephone networks] Ukazaniia po proektirovaniiu sel'skikh telefonnykh setei. Moskva, Izd-vo "Sviaz'," 1964. 187 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie teplotekhnicheskikh i termoizoliatsionnykh rabot. [Instructions on safety measures in the construction and repair of industrial furnaces and smokestacks] Instruktivnye ukazaniia po tekhnike bezopasnosti pri stroitel'stve i remonte promyshlennykh pechei i trub. Moskva, Stroiizdat, 1964. 126 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Collection No. 9 of standard district estimates for construction work; indoor water supply, sewerage, heating, and ventilation] Sbornik No. 9 edinykh raionnykh edinichnykh rastsenok na stroitel'nye raboty; vnutrennie vodoprovod, kanalizatsiia, otoplenie i ventiliatsiia. Moskva, Stroiizdat.
  Pt. 2. [Ventilation] Ventiliatsiia. Izd. 4., ispr. i dop. 1964. 743 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
  Pt. 1. Sec. G., ch. 10. [Refractory materials and products] Ogneupornye materialy i izdeliia (SNiP I-G. 10-62). 1963. 46 p.
  Pt. 2. Sec. G., ch. 14. [Industrial steel pipelines subject to pressure up to 100 kGs/sm^2 inclusively; design specifications] Tekhnologicheskie stal'nye truboprovody s uslovnym davleniem do 100 kGc/cm^2 vkliuchitel'no; normy proektirovaniia (SNiP II-G. 14-62). 1963. 16 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing granaries and grain elevators] Ukazaniia po proektirovaniiu zernoskladov i elevatorov (SN 261-63). Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR (Gosstroem SSSR) 6 noiabria 1963 g. Moskva, Stroiizdat, 1964. 18 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cutting tools for machining thermoplastics; cutters] Instrument rezhushchii dlia obrabotki termoreaktivnykh plastmass; reztsy (MN 4250-63—MN 4261-63, RTM 83-63—RTM 92-63). Moskva, Izd-vo standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Electrically welded steel pipes (State Standard 10704-63—State Standard 10707-63)] Truby stal'nye elektrosvarnye (GOST 10704-63—GOST 10707-63). Izd. ofitsial'noe. Moskva, 1964. 19 p. (SSSR. Gosudarstvennye standarty)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pneumatic clamps; design and basic dimensions] Prizhimy pnevmaticheskie; konstruktsiia i osnovnye razmery (MN 5011-63—MN 5015-63). Moskva, Izd-vo Standartov, 1964. 11 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Ministerstvo chernoi metallurgii. Gosudarstvennyi soiuznyi proektnyi institut. [Injection burners; a catalog-handbook] Inzhektsionnye gorelki; katalog-spravochnik. [Moskva, GOSINTI, 1962] 26 p.

[MICROFILM]

RUSSIA (1923- U.S.S.R.) Tekhnicheskoe upravlenie po ekspluatatsii energosistem. [Safety engineering regulations for operating the electrical systems of municipal power distribution networks] Pravila tekhniki bezopasnosti pri ekspluatatsii elektroustanovok gorodskikh elektrosetei. Izd. 13., izmenennoe i dop. Moskva, Izd-vo "Energiia," 1964. 101 p.

RUSSIA (1923- U.S.S.R.) Upravlenie po organizatsii i mekhanizatsii ucheta. [Catalog of parts for the KEL, KELR, SAL, SASL, and SAR computers and for the AES and AESVe adding machines] Katalog detalei vychislitel'nykh mashin modelei KEL, KELR, SASL i SAR i summiruiushchikh mashin modelei AES i AESVe. Pod red. I. L. Shapiro. Moskva, Gosstatizdat, 1963. 140 p.

SELIVANOV, I. I., and M. I. SEREBRIANYI. [Specialized trucks and automobile trains] Spetsializirovannye avtomobili i avtopoezda. Moskva, Izd-vo "Mashinostroenie," 1964. 213 p.

SEMENOV, L. G. [Manual for storage battery electricians] Elektromonter-akkumuliatorshchik. Moskva, Vysshaia shkola, 1964. 231 p.

SEMINAR PO FORMIROVANIIU TSEMENTNOGO KAMNIA, 1962. [Well cementing and water exclusion; data compiled at the All-Union Scientific and Technical Institute for Drilling Technology in October of 1962 at the Seminar on the Formation of Cement Stone] Kreplenie skvazhin i razobshchenie plastov; materialy sostoiavshegosia vo VNIIBT v oktiabre 1962 g. Seminara po formirovaniiu tsvetnogo kamnia. Moskva, Izd-vo "Nedra," 1964. 157 p.

SEREBRENNIKOV, V. V., V. V. BYKOV, and G. L. RUKMAN. [Drainage during the construction and reorganization of mines] Vodootliv pri stroitel'stve i rekonstruktsii shakht. Moskva, Izd-vo "Nedra," 1964. 144 p.

SEREBRIAKOV, A. A., K. A. IANKOVSKII, and M. M. PLESHKIN. [Mechanical drawing] Cherchenie. 7. isp. izd. Moskva, Vysshaia shkola, 1964. 242 p.

SERGEEV, A. A. [Efficient utilization of ore deposits] Ratsional'noe ispol'zovanie rudnykh mestorozhdenii. Moskva, Izd-vo "Metallurgiia," 1964. 247 p.

SHAMARDIN, N. N. [Gas industry of Moscow] Gazovoe khoziaistvo Moskvy. [Moskva] Moskovskii rabochii, 1964. 74 p.

SHAPIRO, L. V., and V. E. SVETS. [Industrial organization in cogging mills] Organizatsiia proizvodstva v obzhimnykh tsekhakh. Moskva, Izd-vo Metallurgiia, 1964. 118 p.

SHCHERBAKOV, V. P. [Blast furnace production] Domennoe proizvodstvo. Moskva, Izd-vo "Metallurgiia," 1964. 456 p.

SHKOL'NIK, L. M., and V. I. SHAKHOV. [Technology and equipment for hardening and finishing parts by burnishing] Tekhnologiia i prisposobleniia dlia uprochneniia i otdelki detalei nakatyvaniem. Moskva, Mashinostroenie, 1964. 183 p.

SHMAKOV, A. T. [Manual for bulldozer, scraper, and grader operators] Posobie bul'dozeristu, skreperistu i greideristu. Moskva, Goslesbumizdat, 1963. 153 p.

SHTERK, M. D., ed. [Calculation and design of transistorized pulse systems] Raschet i proektirovanie impul'snykh ustroistv na tranzistorakh. [By] A. M. Tishenko i dr. Moskva, Sovetskoe radio, 1964. 566 p.

SHTROMBERG, IA. A. [Ventilation and air conditioning in the tea processing industry] Ventiliatsiia i konditsionirovanie vozdukha v chaeobrabatyvaiushchei promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 217 p.

SIMVULIDI, I. A. [Calculating engineering structures for elastic foundations] Raschet inzhenernykh konstruktsii na uprugom osnovanii. [Moskva] Rosvuzizdat, 1963. 143 p.

SKOROBOGATOV, S. V., and V. V. KUKOL'. [Mining and construction machinery] Gornoprokhodcheskie i stroitel'nye mashiny. Moskva, Izd-vo "Nedra," 1964. 292 p.

SKOSYREV, V. P. [Safety manual for workers engaged in the maintenance and repair of electric filters] Pamiatka po tekhnike bezopasnosti dlia rabochikh po obsluzhivaniiu i remontu elektrofil'trov. Moskva, Stroiizdat, 1964. 38 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

SKVORTSOV, G. D. [Principles of designing dies for sheet-metal work; preparatory operations] Osnovy konstruirovaniia shtampov dlia kholodnoi listovoi shtampovki; podgotovitel'nye raboty. Moskva, Izd-vo Mashinostroenie," 1964. 326 p.

SLAVENCHINSKII, I. S., and G. E. KHROMCHENKO. [Cutting holes and grooves in concrete] Probivka otverstii i borozd v betone. Izd. 2. Moskva, Izd-vo "Energiia," 1964. 40 p. (Biblioteka elektromontera, no. 126)

SLEDE, EGONS, ZIEDONIS VECVAGARS, and GUNARS BINDE. [Bridges] Tilti. [Riga] Latvijas Valsts izdba, 1964. 399 p. [In Latvian]

SOKOLOV, N. M., and E. V. SVETINSKII. [Pile operations] Svainye raboty. Moskva, Stroiizdat, 1964. 227 p. (Seriia posobii po povysheniiu masterstva stroitelei)

SOKOLOVSKII, M. S. [Drawing] Cherchenie. Izd. 2., ispr. i dop. Moskva, Vysshaia shkola, 1963. 106 p.

SOKOLOVSKII, P. I. [Reinforcement steels] Armaturnye stali. Moskva, Izd-vo Metallurgiia, 1964. 207 p.

SOLOVEICHIK, A. I. [Handbook for television owners] Spravochnik telezritelia. [Moskva] Izd-vo "Sviaz'," 1964. 62 p.

SOROKIN, F. F. [Mobile construction yards in rural construction] Peredvizhnye poligony v sel'skom stroitel'stve. Moskva, Stroiizdat, 1964. 123 p. (V pomoshch' sel'skomu stroiteliu)

SOVESHCHANIE PO TOCHNOSTI, VZAIMOZAMENIAEMOSTI I TEKHNICHESKIM IZMERENIIAM V MASHINOSTROENII. 2d, 1962. [Precision, interchangeability and industrial measurements in the manufacture of machinery; transactions] Tochnost', vzaimozameniaemost' i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, Izd-vo "Nauka," 1964. 386 p.

[STEEL WIRE] Provoloka stal'naia. Izd. ofitsial'noe. Moskva, Standartgiz, 1964. 242 p. (SSSR. Gosudarstvennye standarty)

STERNS, HUGO. [What a young carpenter should know] Kas jazina jaunam namdarim. Riga, Latvijas Valsts izd-ba, 1964. 137 p. (Jauna stradnieka biblioteka) [In Latvian]

SYSOEV, V. I. [Modern methods of metal machining] Sovremennye metody obrabotki metallov rezaniem. Pod red. P. P. Berga. [n. p.] Rosvuzizdat, 1963. 60 p.

TANTSIURA, A. A., and K. N. ERPYLOV. [The ZhR-5 radio transmitter-receiver] Radiostantsiia tipa ZhR-5. Moskva, Transport, 1964. 163 p. (Bibliotechka elektromekhanika STsB i sviazi)

TARABAN, S. G. [Labor safety during the servicing of gas installations] Okhrana truda pri obsluzhivanii gazovykh ustanovok. Moskva, Metallurgizdat, 1963. 95 p. (Bibliotechka po okhrane truda v metallurgii)

TAREEV, B. M., and M. M. LERNER. [Oxide insulation] Oksidnaia izoliatsiia. Moskva, Izd-vo "Energiia," 1964. 174 p.

TARELKIN, K. D. [Fur goods] Pushno-mekhovye tovary. Moskva, Izd-vo "Ekonomika," 1964. 195 p.

TATUR, G. K. [Course on the strength of materials] Kurs soprotivleniia materialov. [Minsk], Vysshaia shkola.
  Pt. 2. 1964. 215 p.

[TEA, COFFEE, COCOA] Chai, kofe, kakao. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 64 p. (SSSR. Gosudarstvennye standarty)

[TECHNICAL EQUIPMENT FOR MEAT COMBINES; catalog] Tekhnologicheskoe oborudovanie miasokombinatov; katalog. Moskva, TsINTIAM, 1963. 138 p.

TEPLOTEKHNICHESKAIA KONFERENTSIIA MOLODYKH ISSLEDOVATELEI. 2d, 1963. [Transactions of the Second Heat Engineering Conference of Young Research Workers] Trudy. Kiev, Izd-vo Akad. nauk USSR, 1963. 278 p.

TERESHIN, V. S., and A. I. BAKANOV. [Labor protection in track repair, maintenance and operation] Okhrana truda v putevom khoziaistve. Moskva, Transport, 1964. 263 p.

TERSKIKH, A. M. [Electronic devices] Elektronnye pribory. [Novosibirsk] Novosibirskoe knizhnoe izdvo, 1963. 166 p.

TITOV, V. V. [Trigger-type measuring devices] Izmeritel'nye puskovye ustroistva. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 527)

TKHORZHEVSKII, V. P., and I. G. PEREVEZENTSEV. [Design of instruments for countries with a tropical climate] Konstruirovanie priborov dlia stran s tropicheskim klimatom. Izd. 2., perer. i dop. Moskva, Izd-vo Mashinostroenie, 1964. 199 p.

[TOBACCO, MAKHORKA, AND TOBACCO PRODUCTS] Tabak, makhorka i tabachnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 166 p. (SSSR. Gosudarstvennye standarty)

TRESKINSKII, S. A. [Special features in designing roads] Osobye sluchai proektirovaniia dorog. [Moskva] Rosvuzizdat, 1963. 59 p.

TRET'IAKOV, A. V., A. V. GRACHEV, and P. T. ORESHKIN. [Temperature conditions in the operation of rolling mill rolls] Temperaturnyi rezhim raboty valkov prokatnykh stanov. Moskva, Izd-vo "Metallurgiia," 1964. 110 p.

TRET'IAKOV, F. E., R. F. GOLOVKIN, and V. IA. GOL'BERG. [Making welded pipes of titanium and its alloys] Proizvodstvo svarnykh trub iz titana i ego splavov. Moskva, Izd-vo "Metallurgiia," 1964. 53 p.

TROFIMOV, V. P. [Manless coal mining] Bezliudnaia vyemka uglia. Kiev, Gostekhizdat USSR, 1962. 254 p.

TROP, A. E., V. M. ARSHINSKII. [Electrical equipment and automation of concentrating plants] Elekrooborudovanie i avtomatizatsii obogatitel'nykh fabrik. Izd. 3., perer. i dop. Moskva, Izd-vo "Nedra," 1964. 369 p.

TRUB, I. A. [Mixing cascade condensers] Kaskadnye kondensatory smesheniia. Moskva, Izd-vo Pishchevaia promyshlennost'," 1964. 94 p.

TRUBIN, K. G., and G. N. OIKS. [Metallurgy of steel; the open-hearth process, technological part] Metallurgiia stali; martenovskii protses, chast' tekhnologicheskaia. Izd. 3., perer. i dop. Moskva, Izd-vo Metallurgiia, 1964. 770 p.

TRUTOVSKII, B. B. [Potentials for reducing the time of designing and planning of production] Rezervy sokrashcheniia srokov proektirovaniia i podgotovki proizvodstva. Moskva, Izd-vo "Nauka," 1964. 183 p.

TSAPLIN, V. A., and A. F. BATSIEVSKII. [Equipment for the measurement of metal hardness] Pribory dlia izmereniia tverdosti metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT TIPOVOGO I EKSPERIMENTAL'NOGO PROEKTIROVANIIA UCHEBNYKH ZDANII. [Comprehensive series of public buildings for microdistricts, residential areas, cities, and settlements] Kompleksnaia seriia obshchestvennykh zdanii dlia mikroraionov, zhilykh raionov, gorodov i poselkov. Moskva, 1964. 168 p.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT TIPOVOGO I EKSPERIMENTAL'NOGO PROEKTIROVANIIA ZRELISHCHNYKH, SPORTIVNYKH I ADMINISTRATIVNYKH ZDANII I SOORUZHENII. [Roofs for public buildings] Pokrytiia obshchestvennykh zdanii. Pod red. N. V. Nikitina i K. S. Nekrasova. Moskva, Stroiizdat, 1964. 177 p.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII TSVETNOI METALLURGII. [Gold mining industry in capitalist countries; technical and economic survey] Zolotodobyvaiushchaia promyshlennost' kapitalisticheskikh stran; tekhniko-ekonomicheskii obzor. Moskva, 1963. 337 p.

TSIRLIN, IU. A. [Rectification of furfurole] Rektifikatsiia furfurola. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 142 p.

UKRAINE. Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Instruction for crane followers on the safe servicing of load-lifting cranes] Instruktsiia dlia stropal'shchikov (zatsepshchikov) po bezopasnomu obsluzhivaniiu gruzopod"emnykh kranov. Kiev, Gostekhizdat USSR, 1964. 17 p.

UKRAINE. Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Instruction for crane operators on the safe operation of motor, rubber-tired, rail and crawler cranes] Instruktsiia dlia kranovshchikov po bezopasnoi ekspluatatsii avtomobil'nykh pnevmokolesnykh, zheleznodorozhnykh i gusenichnykh kranov. Kiev, Gostekhizdat USSR, 1964. 21 p.

UKRAINE. Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Instructions for operators of electric bridge cranes] Instruktsiia dlia kranovshchikov elektricheskikh kranov mostovogo tipa. Kiev, Gostekhizdat USSR, 1964. 24 p.

ULITIN, N. S. [Strength of materials] Soprotivlenie materialov. Izd. 2., perer. Moskva, Vysshaia shkola, 1963. 301 p.

USANOV, P. A. [Handbook for a trimming machine operator] Posobie stanochniku obreznogo stanka. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 33 p.

VARANDI, K. [Relay-type radioisotopic means of automation of industrial processes] Radioisotoopseid releetuupi toostusprotsesside automatiseerimisvahendeid. Tallinn, ENSV Ministrite Noukogu Riiklik Teaduslike Uurimistoode Koordineerimise Komitee, 1963. 61 p. [In Estonian]

VARBANSKII, A. M. [Television technology] Televizionnaia tekhnika. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 543 p.

VARTAZAROV, S. IA. [Use of radioactive isotopes in operating electric power plants] Ispol'zovanie radioaktivnykh izotopov pri ekspluatatsii elektrostantsii. Moskva, Izd-vo "Energiia," 1964. 101 p.

VASIL'EV, P. S., and others. [Technology of interval hydraulic fracturing; the experience of oil workers in the Tatar A. S. S. R.] Tekhnologiia pointerval'nogo gidravlicheskogo razryva plastov; opyt neftianikov Tatarii) Moskva, Izd-vo "Nedra," 1964. 131 p.

VASIL'EV, V. G., and N. V. CHERSKII. [Testing of exploratory wells] Ispytanie razvedochnykh skvazhin. Pod red. F. A. Trebina. Moskva, Izd-vo "Nedra," 1964. 164 p.

VAVILOV, A. F., and V. P. VOINOV. [Friction welding] Svarka treniem. Moskva, Izd-vo "Mashinostroenie," 1964. 153 p.

[VEGETABLE OILS] Masla rastitel'nye. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 150 p. (SSSR. Gosudarstvennye standarty)

VEKHOV, P. V. [Calculating the capacity of earthen structures] Vychislenie ob"emov zemlianykh sooruzhenii. Kiev, "Budivel'nyk," 1964. 76 p.

VENDEL'SHTEIN, B. IU., and V. V. LARIONOV. [Using the data of field geophysics in estimating gas and oil reserves] Ispol'zovanie dannykh promyslovoi geofiziki pri podschete zapasov nefti i gaza; metodicheskoe rukovodstvo. Pod red. V. N. Dakhnova. Moskva, Izd-vo "Nedra," 1964. 197 p.

VERBITSKII, I. I., and V. V. MILIAKOV. [Manual for logging camp tractor operators] Spravochnik traktorista lespromkhoza. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 205 p.

VESELOVSKII, V. S., and others. [Spontaneous combustion of industrial materials] Samovozgoranie promyshlennykh materialov. Moskva, Izd-vo "Nauka," 1964. 245 p.

VESKI, ARVO, and AKSEL VAIK. [Stovemaking and chimney-sweeping] Pottsepa- ja korstnapuhkimistood. Tallinn, Eesti Riiklik Kirjastus, 1964. 170 p. [In Estonian]

VLASOV, I. I., B. G. PORSHNEV, and A. V. FRAIFEL'D. [Design of the contact networks of electrified railroads] Proektirovanie kontaktnoi seti elektrifitsirovannykh zheleznykh dorog. 2., perer. i dop. izd. Moskva, Izd-vo "Transport," 1964. 329 p.

VOLIN, P. G., and R. M. LAKERNIK. [Paths for electricity] Dorogi elektrichestva. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 10)

VOLKOV, IU. V., Z. A. VOLKOVA, and L. M. KARGORODTSEV. [Durability of machines operating in an abrasive medium] Dolgovechnost' mashin, rabotaiushchikh v abrazivnoi srede. Moskva, Izd-vo "Mashinostroenie," 1964. 114 p.

VOLKOV, V. G. [Slag cements] Shlakovye tsementy. Pod red. S. V. Shestoperova. [n. p.] Rosvuzizdat, 1963. 14 p.

VOLOSOV, S. S. [Technological and metrological fundamentals for precision in regulating dimensions in the manufacture of machinery] Tekhnologicheskie i metrologicheskie osnovy tochnosti regulirovaniia razmerov v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 278 p.

VOLOTKOVSKII, S. A., and V. A. BUN'KO. [Automation of industrial processes in ore dressing plants] Avtomatizatsiia proizvodstvennykh protsessov na obogatitel'nykh fabrikakh. Moskva, Izd-vo "Nedra," 1964. 281 p.

VOLYNSKII, A. IA. [Design of cast iron parts and their suitability for founding] Konstruirovanie chugunnykh detalei i ikh liteinaia tekhnologichnost'. Moskva, Izd-vo "Mashinostroenie," 1964. 210 p.

VORONOV, A. L., and I. A. GREBENKIN. [Gearboxes of machine tools; kinematic calculation of gearboxes with combined structure and multiconnected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhennoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 133 p.

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT METODIKI I TEKHNIKI RAZVEDKI. [Guide to boring and blasting operations in the making of exploratory boreholes] Rukovodstvo po burovzryvnym rabotam pri prokhodke gornorazvedochnykh vyrabotok. Sost. V. A. Belogorodskii, A. A. Vainer, I. IA. Serebrin. Moskva, Izd-vo "Nedra," 1964. 231 p.

VSESOIUZNYI ZAOCHNYI STROITEL'NYI TEKHNIKUM. [Heat engineering and heat engineering equipment in plants producing building materials] Teplotekhnika i teplotekhnicheskoe oborudovanie zavodov promyshlennosti stroitel'nykh materialov; uchebnoe posobie dlia uchashchikhsia-zaochnikov. Moskva.

[Pt.] 4. [Heat processing (roasting, smelting, boiling, and steaming) of materials and products and the heating apparatus] Teplovaia obrabotka (obzhig, rasplavlenie, varka i proparivanie) materialov i izdelii i teplovye ustanovki. 1963. 68 p.

[MICROFILM]

WARSAW. INSTYTUT TECHNIKI BUDOWLANEJ. [Brief account of the Institute of Construction Technology in Warsaw] Kratkie svedeniia. Warsaw, 1963. 60 p. chart (insert).

ZAMALIN, IU. S. [Drilling holes in parts of machinery housings] Rastachivanie korpusnykh detalei. Moskva, Izd-vo "Mashinostroenie," 1964. 109 p.

ZAPIVALOV, N. P., and K. A. SHPIL'MAN. [There will be a "Siberian Baku"] Budet Sibirskoe Baku. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 52 p.

ZAPRUDNOVA, V. P. [Fundamentals of safety engineering and fire prevention in textile enterprises] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki na tekstil'nykh predpriiatiiakh. Moskva, Gizlegprom, 1963. 202 p.

ZELICHENOK, G. G. [Automation of machinery and production processes in road construction] Avtomatizatsiia mashin i proizvodstvennykh protsessov v dorozhnom stroitel'stve. [n. p.] Rosvuzizdat, 1963. 111 p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

17. MILITARY & NAVAL SCIENCES

FEDERMAN, V. I. [Theory of ships and the principles [illegible]] [illegible]. Leningrad, Izd-vo [illegible], 1964. [illegible] p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

KORHAVTSEV, G. V., A. I. SEDIAKIN, and F. A. PAN[illegible]KOV. [Operation and repair of ships on underwater wings] Ekspluatatsiia i remont sudov na podvodnykh kryl'iakh. Moskva, Transport, 1964. 164 p.

KUZ'MIN, E. M. [Use of synthetic materials in ship repairs] Opyt primeneniia sinteticheskikh materialov v sudoremonte. Moskva, Izd-vo "Transport," 1964. 74 p.

MASHCHENKO, V. P. [illegible] 1964. 144 p.

MIL'MAN, I. D. [Manual for the training of harbor workers of the fourth class] Posobie po podgotovke portovykh rabochikh IV klassa. Moskva, Izd-vo "Transport," 1964. 102 p.

ORLOV, I. L. [Systems for the remote control of main marine mechanisms, diesel engines] Sistemy distantsionnogo upravleniia glavnymi sudovymi mekhanizmami, dizeliami. Moskva, Izd-vo "Transport," 1964. 159 p.

[PARTY AND POLITICAL WORK IN THE SOVIET ARMED FORCES] Partiino-politicheskaia rabota v Sovetskikh Vooruzhennykh Silakh. Moskva, Voenizdat, 1964. [illegible] p.

RUSSIA (1923- U.S.S.R.) Ministerstvo oborony. [Disciplinary regulations of the Armed Forces of the Union of the U.S.S.R.] Distsiplinarnyi ustav Vooruzhennykh Sil Soiuza SSR. Moskva, Voenizdat, 1964. [illegible] p.

[illegible], an outline of the experience of the Communist Youth League's committees and the bureaus of primary organizations of military units, ships, and military education institutions] [illegible] Moskva, Voenizdat, 1964. 109 p. [illegible]

SIDOROV, M. E. [V. I. Lenin's legacy [illegible]] Zavety V. I. Lenina [illegible]. Moskva, Voenizdat, 1964. [illegible] p. [illegible]

[illegible], I. Z. [illegible] Moskva, Izd-vo [illegible], 1964. [illegible] p. [illegible]

[illegible], V. A., [illegible], and [illegible] [illegible] Moskva, Voenizdat, 1964. [illegible] p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Social Sciences]. Erivan, no.4, Apr. 1964.

Table of contents translated:
Karinian, A.B. - Four hundred years of Russian book printing. p.15.
Akopian, M.N. - An unknown page of the underground struggle of the Armenian war prisoners. p.31.
El'chibekian, M.A. - The struggle of the peoples of French West Africa for Independence. p.49.
Ovakimian, B.M. - Khachatur Abovian and the Azerbaijani language. p.61.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Social Sciences]. Baku, no.6, 1963.

Table of contents translated:
Saniev, N.A. - Efforts to master the production of new kinds of equipment in the machine building enterprises of Azerbaijan, 1946-1950. p.3.
Sadykhzade, Sh.G. - Accidental archaeological finds in the environs of Chovdar village. p.13.
Kurbanov, Shikhali.- A new stage of Russo-Azerbaijani literary relations in the 19th century. p.27.
Alizade, A. - Some words expressing quantity in the written documents of the Azerbaijani language. p.39.
Ibragimov, G.Kh. - Phonetic system of the Tsakhur language. p.51.
Faradzhev, F. - Planning the dwelling areas in collective farm villages. p.61.
Veliev, I.A. - Effect of technological progress on the raising of the cultural and technological standard of agricultural workers. p.73.
IUsifov, N.G. - Development of the democratic management of collective farms in the period of the large-scale building of communism. p.83.
Kuliev, B. - The "Farkhang Dzhakhangiri" explanatory dictionary and its author. p.97.

No.1, 1964.

Table of contents translated:
Guseinov, G.T. - Chemistry in the service of the people. p.3.
Samedzade, Z.A. - Economic analysis of the dynamics and present-day level of labor productivity in cotton growing on the state farms of Azerbaijan. p.7.
Treneva, R.M. - Economic effectiveness of the utilization of the hydrocarbon raw materials for the development of petroleum chemistry in Azerbaijan. p.21.
Umarov, E. - Present-day state of the industry in the Khorezm Oasis and some problems concerning its further development. p.31.
Tairzade, N.A. - Number and composition of the students in the Russian educational institutions in Azerbaijan from the 1840's to the 1850's. p.43.
Alyshanov, G.G. - Modern trends in Abdulla Goran's poetry. p.57.
Umaev, A.A. - Exploitation of the cotton growing peasants by the usurious commercial and industrial capital in the prerevolutionary Azerbaijan. p.67.
Ibragimbeili, Khadzhi Murat. - Participation of the Azerbaijans in the Russo-Turkish War of 1828 to 1829 in a special Caucasus corps. p.77.
Seid-zade, A.A. - M.F.Akhundov in the prerevolutionary Russian press. p.91.
Molchanov, I.G. - Art and religion as different forms of social consciousness. p.99.
Rzaev, N.I. - New observations on the epigraphy of Caucasian Albania. p.111.
Ibragimov, F. - Faience statuettes from the Orenkala ancient site. p.119.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Soobshcheniia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports]. Tiflis, vol.30, no.3, Mar. 1963.

Table of contents translated:
Zhizhiashvili, L.V. - Convergence of double Fourier-Lebesgue series and double Hilbert transformations. p.257.
Kokilashvili, V.M. - Best approximation of a function and Fourier-Lebesgue coefficients. p.265.
Bundze, A.I. - Differentials of fractional order and best approximation of functions. p.273.
Landiia, N.A., TSagareishvili, D.Sh. - Effect of the accuracy of the initial entropy values on the error in calculating the high-temperature heat capacities of solids. p.281.
Gverdtsiteli, I.M., Doksopulo, T.P. - Reaction of triethylsilane with diacetylenic glycols. p.289.
Kartozila, TS.I. - Significance of the chromatographic and spectrophotometric determinations of bilirubin fractions in jaundice of the newborn. p.297.
Shengelia, D.M. - Genesis of amphibolite and ultrabasic rocks of the Dar'yal massif. p.305.
Kimeridze, K.R. - Studying one of the types of the alpine swamp sedges in the Greater Caucasus. p.311.
Kuparashvili, O.G. - Results of the use of organic fungicides for controlling the grape powdery mildew Uncinula spiralis (Schw) Burr. p.319.
Lezhava, G.A. - Possibility of detecting the virus of laryngotracheitis in fowl by using the double diffusion precipitation in agar reaction. p.325.
Kadzhaia, G.Sh. - Tyroglyphid mites of the Tiflis area. p.329.
Mikeladze, A.L. - Characteristics of the morphological reactions of the cerebral cortex. p.335.
Odishvili, G.IA., Buachidze, D.N., Tevdoradze, L.Sh. - Functional changes in the external pancreatic secretion in relation to an extensive resection of the ileum. p.343.
Chechelashvili, G.L. - Experimental tumors of the thyroid gland. p.347.
Chachava, T.M. - Gastrectomy and esophagoduodenostomy in stomach cancer. p.353.
Saradzhishvili, P.M., Liubarskaia, K.V. - Role of some brain stem formations in the pathogenesis of cerebellar disturbances. p.361.
Gagulashvili, A.D., TSanava, G.M., Kakhiani, V.V. - Clinical aspects and treatment of a pelvic fracture. p.367.
Vishnebetskaia, L.O., Nizharadze, G.I. - Clinical morphological changes in the lungs in sepsis of the newborn. p.373.
Kacharava, G.N. - Phonetic modifications of some loanwords in the Megrelian language. p.379.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia. Seriia estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin. Series in the Natural and Technological Sciences]. Frunze, vol.4, no.2, 1962. Energetika [Power Engineering].

Table of contents translated:
Dzhamanbaev, A.S., Naidich, I.M. - Effect of time on isothermal decomposition with high-speed heating. p.5.
Dzhamanbaev, A.S., Naidich, I.M. - Effect of temperature on the thermal decomposition of Kara-Kichin lignite with high-speed heating. p.15.
Dzhamanbaev, A.S. - Change in the mineral component of lignite subject to the action of "heat shock" during high-speed heating. p.21.
Kolosov, I.S., Chashkina, E.I. - Development of central heating in Kirghizistan. p.27.
Kolosov, I.S., Riabikhin, V.A. - Special features of the construction and operation of thermal electric power plants at high elevations. p.35.
Kovalenko, B.G., Druzhinin, I.P. - Increasing the effect of a hydroelectric power station with a d.c. power transmission line. p.51.
Druzhinin, I.P., Mamatkanov, D.K. - Deficit characteristics with runoff regulation over a period of years. p.59.
Lugovoi, V.S., Pankov, S.S. - A d.c. power transmission line as a first step in achieving power transfer between northern and southern Kirghizistan. p.83.
Zhukov, N.N., Apostolatov, G.A. - Relationship between frontal and air-mass thunderstorms in Kirghizistan. p.95.
Apostolatov, G.A. - Automatic device for registering lightning discharges. p.109.
Grebennikov, V.S., Naidich, I.M. - Effect of the heating speed on the thermal decomposition of Soguty lignite. p.117.
Koz'min, G.V. - Thermal decomposition of lignite from northern Kirghizistan in a system with the continuous action of a composite heat carrier. p.135.
Engineering and economic comparison of perspective industrial thermal electric power plants operating on Soguty coal in northern Kirghizistan. p.145.
Koz'min, G.V. - Pneumatic drying of pulverized coal in industrial power systems. p.159.
Lugovoi, V.S. - Prospects explored by the Academy of Sciences of the Kirghiz S.S.R. for constructing a high mountain observatory at the Tiuz-Ashu Pass. p.165.

AKADEMIIA NAUK MOLDAVSKOI SSR. Izvestiia [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinev, no.8(86), 1961.

Table of contents translated:
Gil'man, F.M. - Outlook for the development of oil manufacture in the Moldavian S.S.R. p.3.
Gudym, A.A. - Reorganization of industrial management and the development of production as exemplified by the state wine-making industry of the Moldavian S.S.R. p.16.
Kirka, S.I. - Ways of improving the use of equipment and industrial premises in machinery manufacture and metalworking in the Moldavian S.S.R. p.30.
Kodrianu, K.K. - Development of the specialization of construction organizations in the Moldavian S.S.R. p.46.
Kirka, S.I. - Concentration of the founding industry in Moldavia. p.54.
Kozhukhar', P.V. - Efficiency of various types of quarrying machines used in open workings. p.61.

AKADEMIIA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol.34, no.5, May 1964.

Table of contents translated:
In memoriam O.V.Kuusinen. p.II.
Keldysh, M.V. - Scientists, winners of the Lenin Prize in 1964. p.3.
Discussion of the work of the Academy of Sciences of the Kirghiz S.S.R. p.11.
Development of research on the automation of programming. p.19.
Eliutin, V.P. - Schools of higher learning and the progress of science and technology. p.27.
Andrianov, K.A. - Studies on polymers with inorganic main molecular chains. p.38.
Boreskov, G.K. - Simulation of chemical processes. p.47.
Reutov, O.A. - Recent data on the mechanism of substitution reactions in organic chemistry. p.57.
Emanuel', N.M. - New problems in the field of chemical chain reactions. p.65.
Kalnin'sh, A.I. - Plasticized cellulose. p.79.
Regel', A.R., Kolenko, E.A. - Thermoelectric cooling and its practical uses. p.86.
Kruzhilin, A.S. - Effect of artificial light on plant growth as exemplified by winter wheat. p.93.
Gorodetskii, B.P. - "The history of Russian poetry." p.99.
Millionshchikov, M.D. - Twelfth Paguosh Conference. p.104.
Gorskii, I.I. - Congress on the Stratigraphy and Geology of Carbon held in Paris. p.107.
TSytovich, N.A. - Conference on Cryopedology held in the United States. p.110.
Oparin, A.I. - Origin of pre-biological systems; a conference in the United States. p.113.

[illegible], A. A. – Congress of Orientalists in Delhi. p. 116.
[illegible], G. L. – Mutual cooperation of Soviet and Polish scientists. p. 122
[illegible], I. V. – International Symposium on Solid State Electronics. p. 123.
[illegible], S. P. – Conference of representatives of socialist countries on problems involving the observation of artificial earth satellites. p. 126
[illegible], G. I. – Symposium on kinetics, catalysis and [illegible] of [illegible]. p. 127
Sychev, V. V. – Sixth International Conference on the Properties of Water Vapor. p. 129
[illegible], M. V. – Symposium at a Conference on telecommunication. p. 130
[illegible], M. V. – Scientific [illegible] Automation. p. 130
[illegible], V. I. – Conference of the International [illegible] Antarctic [illegible]. p. 131
[illegible], I. P. – [illegible], on the [illegible] anniversary of his death. p. 132
[illegible], N. P., [illegible] – The [illegible] of the Antarctic [illegible] committees. p. 134
[illegible] – Physics of elementary particles, a session of the Department of [illegible] Physics. p. 136.
[illegible], I. I. – Scientific [illegible] physics at Alma Ata. p. 138
[illegible], V. I. – All-Union Conference on the Earth's Constant Magnetic Field and Paleomagnetism, held in Moscow. p. 141
[illegible], N. V., Mikhailov, [illegible] – [illegible] All-Union [illegible] Conference [illegible] in the Arctic. p. 142
[illegible], I. I., [illegible], N. M., [illegible], N. A. – [illegible] All-Union [illegible]. p. 144
[illegible], A. A. – Conference on large-scale mapping of pastures, held in Leningrad. p. 148
[illegible], A. I. – Coordinating conference on the efficiency of capital investments. p. 149
[illegible], P. N. – [illegible] in Russia. p. 152
Honoring the Hero of Socialist Labor Academician [illegible]. p. 154
Honoring Academician [illegible]. p. 156
Honoring Academician A. I. [illegible]. p. 157
Awards to scientists. p. 161
Awarding the [illegible] prize. p. 162
[illegible], N. I., [illegible], V. V. – [illegible] and [illegible] use of fossil fuels by [illegible]. p. 163
[illegible], N. M., [illegible], N. V. – "Geology of South Asia." p. 166
New books. p. 171

AKADEMIIA NAUK SSSR, Moldavskii filial. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Moldavian Branch. Bulletin], Kishinev, no. [illegible], 1961.
Table of contents translated:
Averin, [illegible], [illegible], M. [illegible] – Materials on the distribution and biology of some animal species new or of little known in Moldavia. p. 9
[illegible], N. P. – [illegible] of [illegible] in the central [illegible] of the Moldavian S.S.R. p. 15
[illegible], [illegible] – [illegible] of [illegible] in the [illegible] S.S.R. p. 27
[illegible], A. I. – Mammalian [illegible] in the [illegible] of the "[illegible]" paleolithic site. p. 33.
[illegible], D. V., [illegible], M. [illegible] – Materials on the morphology and biology of [illegible] ([illegible], Aphididae) from the [illegible]. p. 41
[illegible], I. P. – Testing phosphorus organic systemic preparations for the protection of grape vines against spider mites. p. 79

AKADEMIIA NAUK SSSR. Vostochno-Sibirskii filial. Irkutsk. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. East Siberian Branch. Transactions], Moscow, no. [illegible], 1962. Rost, razvitie i prokhozhdenie [illegible] rastenii v Vostochnoi Sibiri [Growth, development and [illegible] of plants in eastern Siberia].
Table of contents translated:
[illegible], V. V. – Effect of [illegible] on the absorption of water by roots in connection with the activation of gas exchange. p. 5.
[illegible], K. Z. – Effect of auxin and [illegible] concentration of the medium on the growth of the fragments of corn coleoptiles. p. 13.
[illegible], B. P., [illegible], T. A. – [illegible] processes in the fruits of [illegible] during the ripening period. p. 21.
[illegible], B. P., [illegible], N. M. – Content of organic acids in the common onion bulbs. p. 28.
[illegible], T. E., [illegible], M. A. – [illegible] effect of [illegible] on the leaves of common onion and the formation of bulbs. p. 38.
[illegible], O. A., [illegible], N. M. – Effect of cooling sprouts of plants of the gourd family on their subsequent growth and development. p. 43.
[illegible], S. L. – Effect of the hardening of tomato seeds on the growing of seedlings without covering them by frames in Eastern Siberia. p. 51.
[illegible], O. A. – Effect of preventing cooling of watermelon seeds on the growth and development of plants. p. 55.
[illegible], A. A., [illegible], V. M. – Intensity of transpiration of the herbaceous plants of central Siberia. p. 66.
[illegible], P. I. – Pollination and seed yield of alfalfa in Eastern Siberia. p. 80.
[illegible], A. S., [illegible], D. P., [illegible], K. N. – Some relationships between caterpillars of the larch [illegible] ([illegible]) and the larch ([illegible]). p. 86.

ALMA ATA. UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies], Vol. [illegible], 1959.
Table of contents translated:
[illegible], M. I. – V. I. Lenin on the dialectic of the general and particular aspects of the socialist revolution. p. 3.
[illegible], E. I. – Development of the Marxist theory of freedom and necessity in V. I. Lenin's works published in 1894-1900. p. 10.
[illegible], V. A. – Against the bourgeois, reformist, and revisionist distortions of the most important sociological concepts. p. 30.
[illegible], I. M. – Critical evaluation of some bourgeois theories of the state. p. 42.
[illegible], P. I. – Struggle of the old against the new as a law of materialist dialectics. p. 51.
[illegible], V. D. – [illegible] materialist theory of [illegible]. p. 60.
[illegible], M. N. – [illegible] the application of hypotheses in mathematics and its history. p. 70.
[illegible], P. A. – [illegible] nature of the laws of formal logic. p. 82
[illegible], I. P. – [illegible] of N. I. Lobachevskii's views on the problems of physics, mathematics, and philosophy. p. 102
[illegible], G. A. – History of the [illegible] of the [illegible] of [illegible]. p. 121.
[illegible], D. – [illegible] of the philosophy of Abai Kunanbaev. p. 141.
[illegible], P. – Interpretation of some theological problems in Soviet [illegible]. p. 154
[illegible], S. A., [illegible], N. I. – A special problem in the [illegible] of Marxist theory against the [illegible] of the [illegible] of Marxist [illegible]. p. 175.

[illegible] INSTITUT ISTORII, IAZYKA I LITERATURY. Trudy [illegible] RESEARCH INSTITUTE OF HISTORY, LANGUAGE, AND LITERATURE [illegible]. Vol. 1, 1961.
[illegible] – [illegible], V. P. [illegible] of [illegible] Valley [illegible] from the [illegible] to the first half of the 19th century [illegible] XVIII [illegible] XIX [illegible] 121 p.

[illegible] GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. [illegible]], Vol. [illegible], no. 2, 1962. [illegible] [Papers on the methodology of teaching linguistic subjects in pedagogical faculties, presented at the Sixth West Siberian Regional Conference of Russian Language Departments in May 1960].
Table of contents translated:
[illegible], A. A. – Improving the work of Russian language departments of the West Siberian region in the light of the decisions of the 22nd Congress of the CPSU. p. 3.
[illegible], A. P. – Organizing laboratory work on phonetics and orthoepy of the present-day Russian literary language (with the use of audio-visual aids) at the department of historical philology. p. 13.
[illegible], O. M. – Review during practical exercises in the present-day Russian language. p. 21.

LYSTY DO PRYIATELIV. LETTERS TO FRIENDS. [illegible], vol. 12, no. [illegible], 1961.

MOSCOW. MOSKOVSKII OBLASTNOI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies], No. [illegible], 1963. Voprosy differentsial'noi i neevklidovoi geometrii [Problems in differential and noneuclidean geometry].
Table of contents translated:
Editor's foreword. p. 3.
[illegible], E. P. – Six-dimensional [illegible] surfaces in a one-dimensional [illegible] space. p. 5.
[illegible], M. A. – Structure of surfaces carrying a net of conjugate lines. p. 31.
Atanasian, L. S. – Introduction of invariant connectivities on the curves of an n-dimensional projective space. p. 48.
Berezman, A. M. – Geometric properties of a conjugate set of four pertaining to a sequence of Laplace transformations of five stratifiable pairs. p. 60.
Vasil'eva, M. V. – Invariant description of Cartan's integral geometry. p. 70.
Voronkova, N. N. – Geodesic and principal lines of normalized hypersurfaces of n-dimensional projective spaces. p. 80.
Voronkova, N. N. – Hypersurfaces with general normalization in projective space. p. 89.
Gel'fberg, V. V. – Conjugate nets with general families of first axes in projective space P_{n+1} (n > 1). p. 109.
Lakhanova, N. V. – Flexure of two-dimensional surfaces of a projective space P_n carrying a conjugate net. p. 110.
Galyova, M. Z. – Geometry of a surface in unitary Euclidean space. p. 135.
Dallam, N. M. – Geometry of a surface in affine simplex space. p. 150.
Nobozdova, O. N. – Special type of pairs of T-congruences. p. 177.
Nobozdova, O. N. – Special type of orthogonal pairs of T-congruences. p. 190.
Akopova, M. M. – Blaschke's projection. p. 199.
Vyalgina, L. D., Pochkova, L. V. – Metric invariants of equations of quadrics in hyperspaces. p. 214.
Makarova, N. M. – Curves of second order in plane parabolic geometry. p. 223.
Migalova, L. N. – Theory of curves and hypersurfaces in a space with a degenerate absolute. p. 252.
Piliugina, L. P., Pochkova, L. V., Rumiantseva, L. V. – Metric invariants of equations of quadrics in a quasi-elliptic space. p. 265.
Rozenfel'd, B. A., Kabova-Lisova, L. M., Nazarova, T. A. – Metric invariants of planes in hyperspaces. p. 278.
Rumiantseva, L. V., Semenova, L. N. – Quadrics in a quasi-affine space. p. 289.
Strela, A. I. – Geometry of three-dimensional space with a degenerate Euclidean metric. p. 298.
Gurevich, G. B. – Normalization of the weight system of the algebra of differentiations of a standard nil-algebra. p. 314.
Gurevich, G. B. – Systems of linear exponential equations. p. 323.
Strela, A. I. – Invariant affine connectivities of uniform spaces. p. 329.
Fainberg, E. M. – Approximation of area by broken lines. p. 331.
Atanasian, L. S. – Presentation of the consistency of Lobachevskii's solid geometry in a course on "The elements of geometry." p. 343.
Vasil'eva, M. V. – Analytic projective geometry. p. 352.
[illegible], I. M. – Centers [illegible] and Chebyshev's approximations of functions. p. 359.

NAL'CHIK. KABARDINO-BALKARSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski [KABARDINO-BALKAR STATE UNIVERSITY. Studies], No. 10, 1961.
Table of contents translated:
[illegible], K. N. – Biology of plant development, prospects for the study of phasic, age-conditioned and organ-formative processes and their control. [illegible] conditions of vertical zonality prevailing in the Kabardino-Balkar A.S.S.R. p. 3.
[illegible], P. G. – Morphological and physiological analysis of the double-cross corn hybrids VIR-42 and VIR-25 in the foothill zone of the Kabardino-Balkar A.S.S.R. p. 5.
[illegible], I. G. – Biological control of the development of leguminous grasses in connection with the improvement of meadows and pastures of the Kabardino-Balkar A.S.S.R. p. 23.
[illegible], F. M., [illegible], V. S., Shul'gin, I. A. – Changes in the shape and size of sunflower leaves in connection with the stages of its organogenesis. p. 31.
[illegible], I. P., Shul'gin, I. A. – Characteristics of the leaf apparatus in corn in the Kabardino-Balkar A.S.S.R. p. 41.
[illegible], V. A., Shul'gin, I. A. – Effect of various climatic conditions under the conditions of vertical zonality on the growth of plants and changes in the pigment system of potato leaves. p. 47.
[illegible], I. P., Shul'gin, I. A. – Characteristics of the surface mass of corn leaves in the Kabardino-Balkar A.S.S.R. p. 55.
[illegible], L. A., [illegible], L. S. – Some physiological characteristics of the seeds of wild plants. p. 61.
[illegible], N. A. – System of the primrose family (Primulaceae). p. 67.
[illegible], M. N. – Comparative study of the viability of seeds and fruits of weeds from soil samples of the Volga-Akhtuba Floodplain fields. p. 73.
[illegible], M. N. – Weed seeds and fruits in the potato and vegetable fields of the Volga-Akhtuba Floodplain. p. 89.

Nefedov, N.I. - Zonal character in the distribution of the Coccinellidae of the Kabardino-Balkar A.S.S.R. p.105.
Nefedov, N.I. - Variability and formation of species among Coccinellidae. p.129.
Parfenik, A.N. - Systematic survey and biological characteristics of fishes of the carp family (Cyprinidae) in the Kabardino-Balkar A.S.S.R. p.147.
Ivanov, V.G., Dmitriev, V.V. - Birds of prey of the Kabardino-Balkar A.S.S.R. p.161.
Ivanov, V.G., Baziev, Zh.Kh. - Biology of the Caucasian snow cock (Tetraogallus caucasicus Pall.) in the Kabardino-Balkar A.S.S.R. p.175.
Ivanov, V.G., Chunikhin, S.P. - Characteristics of the reproduction of birds in the Alpine area of the Central Caucasus. p.193.
Ivanov, V.G., Chunikhin, S.P. - Changes in the distribution and composition of avifauna of the Kabardino-Balkar A.S.S.R. under the influence of man. p.199.
Sazanov, L.I., Deinekina, T., Alkhasova, Zh. - Activities of birds during the nesting period. p.205.
Tembotov, A.K., Neemchenko, M.G. - Taxonomy and biology of wood mice (Apodemus sylvaticus) in the Kabardino-Balkar A.S.S.R. p.209.
Karaeva, V.Sh. - Flea beetles (Halticinae) in hemp fields in the Kabardino-Balkar A.S.S.R. p.221.
Ezhkina, A.N. - Study of the vegetation of the Zol'skiy pastures of the Kabardino-Balkar A.S.S.R. p.229.
Karov, Z.G., Perel'man, F.M., Vasechko, R.F. - Solubility and some other physical and chemical properties of the K_2SO_4—K_2MoO_4—H_2O system at 25°C. p.237.

ODESSA. UNIVERSYTET. Pratsi. Zbirnyk students'kykh robit [UNIVERSITY. Transactions. Student Papers]. Vol.146, no.4, 1956.

Table of contents translated:
Preface. p.5.
Bachyns'kyi, A.D. - Fraternal cooperation of the Zaporogians and the Don Cossacks in the struggle against the aggression of the Turks and Tatars in the first half of the 17th century. p.9.
IAtsko, V.A. - Olbian coins with the inscription "APIX." p.23.
Guliak, A.I. - How D.M. Petrushevskii expounds and explains the disintegration of the Western Roman Empire in his "Studies on the economic history of the European Middle Ages." p.27.
Fashchenko, V.V. - Realism of L. Tolstoi's and P. Myrnyi's literary works. p.33.
Plishkova, Z.P. - Some remarks apropos of P.M. TSeitlin's article "Role of the prefix "pa" of Slavic nouns." p.41.
Drozdovs'kyi, V.P. - How T.H. Shevchenko persistently tried to improve the language of his literary works. p.45.
Gogunskii, E.V. - Synonyms of the word "skazat'" used by A.M. Gor'kii in the direct speech of his personages. p.49.
Fabianskaia, V.A. - Motherhood and childhood in M. Gor'kii's "Fairy tales on Italy." p.57.
Folia, P.F. - Skillful portrayal of personages in S. Tudor's novel "A day in father Solka's life"; methods of showing the internal world of Solka, the principal negative character of the novel. p.67.
Knotek, Z.K. - Gabbro norite from the southern part of the Gayvoron region of the Ukrainian S.S.R. p.79.
Kuznetsova, M.N. - Characteristics of the conditions of the soil nutrition of plants on the Kirov State Farm. p.89.
Areshidze, I.V., Podrazhanskaia, Zh.L. - Ascorbic acid content of needles of prickly pine and Greek fir during the fall and winter period. p.91.
Kul'bii, A.I. - Effect of fall and winter sowing on the change in branched wheat. p.93.
Aref'eva, A.K. - Tree planting on the Khadzhibey-Kuyalnik barrier beach and the problem of landscape gardening on it. p.99.
Savchuk, L.N. - Bactericidal action of the leaves of some plants on Staphylococci and Escherichia coli. p.103.
Milkina, E.I. - Viability of micro-organisms of bacterial fertilizers in the rhizosphere of lemon seedlings. p.105.
Nikitina-Skalatskaia, A.S. - Effect of some radioactive phosphorus doses on hemopoietic processes under normal conditions and in experimental anemia in rabbits. p.109.
TSukman, N.IA. - Nematodiasis in geese of the 51st Perekop Division Collective Farm of the Odessa City District. p.115.
Lagutenko, IU.P. - Parasites of cattle and calves of the Lenin Collective Farm in the Velikaya Mikhaylovka District of Odessa Province. p.117.
Soldatenko, I.S. - Ecology of gulls on the Kitay Island. p.119.
Krivosheeva, R.A. - Materials on the study of feeding habits of gobies in the Tiligulo Estuary. p.125.
Galdarzhi, N.P. - Determination of manganese by the persulfate method in the presence of different catalysts. p.129.
Voloshchenko, I.A. - Study of the electrolysis of a zincate solution through a round orifice. p.133.
Grinevich, A.T. - Vapor-phase refining of straight-run kerosine over Odessa gray-green clay. p.145.
Rykovskii, S.B. - Reclamation of transformer oil by means of Odessa green clay. p.149.
Knab, O.D. - Electron emission by irradiated and mechanically treated dielectrics. p.157.
Soldatov, B.I. - Dielectric constant of some thixotropic systems. p.161.
Limonova, V.B., Matveeva, L.V. - Artificial aging of fine-grained photographic layers of low sensitivity. p.167.
Grigorevskii, V.M. - Polarization of the light from β Lyrae. p.171.
Drekov, V.N. - Diffraction of plane waves on an infinite straight circular cylinder. p.177.
Kochura, A.I. - Principle of the limit amplitude in diffraction problems. p.187.

ORDZHONIKIDZE. SEVERO-OSETINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Izvestiia [NORTH OSSETIAN SCIENTIFIC RESEARCH INSTITUTE. Bulletin]. Vol.18, 1956.

Table of contents translated:
Totoev, V.S. - Agriculture of North Ossetia in the sixth five-year plan. p.3.
Biriukov, I.A. - Introduction of modern machinery and its effect on workers' labor productivity in the Sodon mining enterprises. p.11.
TSutsiev, B.A. - Potentials for increasing agricultural production on the collective farms of Ordzhonikidze District, North Ossetian A.S.S.R. p.25.
Vermishev, G.Kh. - Natural building materials of North Ossetia and their industrial utilization. p.42.
Gazdarov, A.A. - Potentials for increasing the production of the starch and molasses industries in North Ossetia. p.67.
Bogdanov, V.M., Krivitskii, A.I. - Pastures and meadows of Ordzhonikidze District, North Ossetian A.S.S.R. p.79.
Totoev, M.S. - Struggle of North Ossetian workers for the Soviet regime, 1917 to 1920. p.93.
Gal'tsev, V.S. - Reorganization of the system of colonial dominance in the Northern Caucasus, 1860-1870. p.127.
Skitskii, B.V. - Remnants of feudalism in land relations in the mountains of North Ossetia during the postreform period. p.151.
Krikunov, V.P. - On the history of the relationship and friendship between the Kabardian and Ossetian peoples. p.185.
Kulaev, N.Kh. - Main stages in the development and sources of the enrichment of the Ossetian literary language. p.203.
Khadartseva, A.A. - Kosta Khetagurov's dramaturgy and theatrical work. p.213.
TSagaeva, A.Dz. - Number of nouns in the Ossetic language. p.239.

PETROZAVODSK. UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. Vol.11, no.2, 1963. Voprosy mekhanizatsii i avtomatizatsii lesorazrabotok [Problems of the mechanization and automation of forest exploitation].

Table of contents translated:
Introduction. p.3.
Riekhkalainen, N.I., Chertkov, A.K., Shekhter, IA.S. IA.S. - Unit for the semiautomatic bucking of tree-length logs at the landing of a logging camp. p.4.
Drozdov, N.S. - Semiautomatic control of the work of log conveyors. p.12.
Shubin, A.D. - Calculations for loading cranes with a changeable boom. p.16.
Drozdov, N.S. - Analyzing the power diagrams of slashing machines with considerable rotating masses. p.23.
Drozdov, N.S. - Studying the sawing resistance of spruce wood and bark along the fibers. p.28.
Kolchanov, B.D. - Effect of the kinematic angle of impact on the force characteristics of the sawing process in lengthwise sawing with circular saws. p.33.
Kolchanov, B.D. - Effect of the speed of sawing on the force characteristics of the process of lengthwise sawing with circular saws. p.37.
Shubina, I.M. - Analyzing the fulfillment of the production programs by the logging camps of the Sevkarelles Lumber Combine in 1961. p.42.
Solomeshch, M.A. - Uniqueness of solutions in the theory of plastic flow. p.53.
Solomeshch, M.A. - Boundary value problem for the velocity of tensions and deformations in the theory of plastic flow. p.64.
Korel'skii, G.N. - Some aspects of the theory of relief perspective in case of an inclined position on the main visual ray. p.67.

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. Nos.135, 139, 141-143, 1963.

TIFLIS. UNIVERSITET. Trudy [UNIVERSITY. Transactions]. Vol.94, 1963. Seriia iuridicheskikh nauk [Series in the Juridical Sciences].

Table of contents translated:
Alekseidze, L. - Relations between Georgia and Russia from the 16th to the 18th century; a study of their international legal aspects. p.7.
Sumbadze, N. - Formation of the Soviet judiciary in Georgia. p.93.

VELIKIYE LUKI. GOSUDARSTVENNYI PEDAGOGICESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. No.22, 1963. Slavianskii sbornik; materialy nauchnoi konferentsii [Slavic collection; materials of the Conference on the History of Slavic Countries].

Table of contents translated:
Preface. p.3.
Efremov, E.A. - Croatian patronymy from the 11th through the 13th century. p.10.
Freidenberg, M.M. - Structure of feudal land tenure in Dalmatian Croatia in the 11th-13th centuries. p.23.
Shevchenko, P.F. - Situation of Bulgarian peasants under the Turkish yoke from the 14th through the 17th century. p.47.
Grechkin, G.A. - Life and work of Kazimir Charnovskii, an early Russian inventor of submarine boats. p.60.
Ivanov, IU.F. - Czech scholars and scientists in Russian universities. p.72.
Konstantinov, V.T. - How the Communist Party led the masses of Bulgarian toilers in their struggle against reaction and fascism, 1922-1923. p.87.
Chastukhin, I.N. - Against schematic and dogmatic interpretation of the history of the Bulgarian National Agrarian Union in the period of 1918-1923 in present-day historical studies. p.102.
Doronchenko, A.I. - Liliana Dimitrova, a heroine of the Bulgarian people. p.116.
Dmitrov, K.D. - Role of the Bulgarian Communist Party in the establishment and consolidation of the Bulgarian people's democratic state. p.125.
Doronchenkov, A.I. - Labor enthusiasm of Bulgarian workers in the first years of the people's government. p.140.
Kopteva, E.A. - Characteristics, special features, and stages of people's democratic revolutions in the Slavic people's democracies. p.163.
Sokolova, N.I. - Studying the history of southern Slavs in Soviet schools. p.173.
Paper delivered by V.D. Kul'bakin. p.180.

b. POPULAR MAGAZINES

AMERIKA; illiustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D.C., no.94, 1964.

BELARUS' [WHITE RUSSIA]. Minsk, vol.21, no.6(217), June 1964.

DADZIS [THISTLE]. Riga, nos.11(179), 12(180), 1964. [In Latvian]

JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, nos.6(235)-7(236), June-July 1964. [In Lithuanian]

KIPERUSH; zhurnal satiry i iumora [PEPPER; Magazine of Satire and Humor]. Kishinev, no.11, June 1964. [In Moldavian]

KIRPI [HEDGEHOG]. Baku, nos.7(283), 9(289)-11(287), Apr., May-June 1964. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, no.6, 1964. Spetsial'nyi vypusk [Special Issue for 1963]

KOREIA [KOREA]. Pyongyang, nos.4(93)-5(94), 1964.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol.43, nos.16(1738)-17(1739), June 1964.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol.8, no.7, 1964.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium [illegible] (Ministry of Culture of the Estonian S.S.R. [illegible] Estonian S.S.R.). [illegible], vol. [illegible], no. 6, June 1964. [In Estonian]

KYIV [KIEV]. Published by [illegible] Philadelphia, vol. 15, no. [illegible], May-June 1964.

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the [illegible] Youth League of Latvia]. Riga, no. 6, June 1964. [In Latvian]

MEDITSINA [illegible]. Issued by [illegible] [Ministry [illegible]]. Alma-Ata, no. [illegible], May 1964. [In Russian]

[illegible] Issued by [illegible] All-Union [illegible] Organization]. Moscow, no. [illegible], 1964.

[illegible] [illegible] 1964. [In Latvian]

[illegible] Issued by [illegible] 1964.

[illegible] [illegible] 1964.

[illegible] [illegible] 1964. [In Russian]

[illegible] [illegible] 1964.

[illegible] [illegible] 1964.

[illegible] [illegible] June 1964.

[illegible] [illegible] Moscow, no. [illegible], Aug. 1964.

[illegible] [illegible] July 1964.

[illegible] [illegible] June 1964.

[illegible] [illegible] Moscow, no. [illegible], 1964.

[illegible] [illegible] 1964.

[illegible] [THE LIGHTHOUSE]. Vilnius, vol. [illegible], nos. [illegible], June 1964. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, no. 21, nos. [illegible], May-June 1964.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe oblastnoe knizhnoe izdatel'stvo and Sverdlovskii obkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of [illegible]]. Sverdlovsk, no. 4, 1964.

[illegible] [illegible]. [illegible], vol. 21, nos. [illegible], May-June 1964.

VOZHATYI [PIONEER LEADER]. Published by Tsentral'nyi Komitet Vsesoiuznogo Leninskogo Kommunisticheskogo Soiuza Molodezhi and Tsentral'nyi Sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneer Organization]. Moscow, vol. 40, no. 6, June 1964.

[illegible]. Minsk, vol. 24, nos. [illegible], May-June 1964.

VSESVIT [illegible]. Issued by [illegible] Ukrainian Society for [illegible] Cultural Relations with Foreign Countries]. Kiev, vol. 7, no. 6, June 1964.

[illegible] [illegible] All-Union [illegible] Moscow, vol. 40, nos. 7, 8, [illegible] 1964.

[illegible] Riga, vol. 14, nos. [illegible] 1964. [In Latvian]

J. BIBLIOGRAPHY

a. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Biblioteka. Trudy Biblioteki Akademii nauk SSSR i Fundamental'noi biblioteki obshchestvennykh nauk AN SSSR [ACADEMY OF SCIENCES OF THE U.S.S.R. Library. Transactions of the Library of the Academy of Sciences of the U.S.S.R. and the Fundamental Library of the Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, 1964.

Table of contents translated:

- [illegible] p. 7.
- [illegible] p. [illegible]
- [illegible] p. [illegible]
- [illegible] p. [illegible]
- [illegible] Library of the Academy of Sciences of the U.S.S.R. p. [illegible]
- [illegible] Library of the Academy of Sciences of the U.S.S.R. p. [illegible]
- [illegible] Copy of the "[illegible]" catalogue belonging to M. V. Lomonosov. p. [illegible]
- [illegible] History of the catalogues of the Library of the Academy of Sciences [illegible] p. [illegible]
- [illegible] Rare books in the collection of the [illegible] Institute of the Academy of Sciences of the U.S.S.R. p. [illegible]
- [illegible] "[illegible]" in the Fundamental Library of the Social Sciences of the Academy of Sciences of the U.S.S.R. p. [illegible]
- [illegible] research work on [illegible] at the end of the [illegible] century and the beginning of the [illegible]. p. [illegible]
- [illegible] Library work in [illegible]. p. [illegible]
- [illegible] Bibliography of printed works published by the Library of the Academy of Sciences of the U.S.S.R. from [illegible] to [illegible]. p. [illegible]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. [illegible], 1964. Vspomogatel'nye ukazateli k nos. 1-13 za 1964 g. [Indexes to nos. 1-13 for 1964]

[illegible] Dopolnitel'nyi vypusk [Supplementary Issue], no. [illegible], 1964. Vspomogatel'nye ukazateli nos. 1-3 za 1964 g. [Indexes to nos. 1-3 for 1964]

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, no. 9, May, 1964.

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 6, 1964.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 24-25, 1964. Vspomogatel'nye ukazateli k nos. 1-13 za 1964 g. [Indexes to nos. 1-13 for 1964].

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]. Vol. 9, nos. [illegible], May-June 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, Health Services, Medical Sciences]. Vol. 2, nos. [illegible], May-June 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura i iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 4, nos. [illegible], May-June 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Otdel rukopisei. Zapiski [PUBLIC LIBRARY. Manuscript Division. Records]. No. 27, 1965.

Table of contents translated:

- Editor's foreword. p. 3.
- [illegible], I. A., [illegible], I. G., [illegible] A. M. [illegible] archive. p. 24
- [illegible], I. M., [illegible], A. P., [illegible], M. V., [illegible] N. A. [illegible] archive. p. 63
- [illegible], V. E., and others, [illegible] N. A. [illegible] works. p. 151.
- Manuscripts accessioned in 1961 and 1962. p. 202.
- [illegible], IA. N. [illegible] New list of the Novgorod [illegible] of Prince [illegible] (from the [illegible] collection). p. 197.
- [illegible], A. D. [illegible] V. A. [illegible] letter to N. A. [illegible], February 19, 1933. p. 372.
- [illegible], S. A. [illegible] Twelve papers with watermarks. p. 405.
- [illegible], S. A. [illegible] Paper with the watermark "Coat of arms of the City of Amsterdam." p. 410.
- [illegible], S. A. [illegible] New books on the science of watermarks and writings about watermarks. p. 460.
- Index of names and titles. p. 497.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 21(32), Mar.-Apr. 1964. [In Lithuanian]

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1964.

NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by [illegible] nental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1964.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1964.

NOVAIA LITERATURA PO IUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.2, 1964.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.1-3, 1964.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.3, 1964.

NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U.S.S.R.]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.3, 1964.

NOVYE KNIGI; ezhenedel'nyi bibliograficheskii zhurnal [NEW BOOKS; Bibliographical Weekly]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, vol.9, nos.20-23,25, May-June 1964.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.]. Issued by Vsesoiuznoe ob''edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos.19-22,24, May-June 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol.8, no.5, May 1964

RAAMATUKROONIKA. KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Tallinn, vol.2-4, Apr.-Dec. 1963.

SOVETSKAIA BIBLIOGRAFIIA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.1(83), 1964.

Table of contents translated:
The decisions of the Communist Party must be put into practice. p.3.
Kaufman, I.M. - Four hundred years of Russian book printing. p.8.
Belen'kaia, M.V. - Employing the Soviet library and bibliographical classification in the Biological Library of the Academy of Sciences of the U.S.S.R. p.14.
Sokolov, A.V. - Use of mechanized retrieval systems in libraries. p.23.
Mashalas, B.B. - Centralized cataloging in the Lithuanian S.S.R. p.34.
Khortiunova, L.V. - Promoting classified catalogs in children's libraries. p.40.
Sakharov, N.I. - Subject indexes to the second edition of the works of K. Marx and F. Engels. p.54.
Sel'chuk, V.V. - Methods used in bibliographies of recommended literature as aids for propagandists and lecturers. p.58.
Rabin, A.E. - Bibliography of pulse crops. p.67.
Golanova, E.I., Shvartskopf, B.S. - The bibliography "Cultivation of Russian speech." p.72.
Gosina, V.V., Solov'eva, I.A. - Bibliography on the structure of the crust and the upper part of the earth's mantle. p.75.
Completing the preparation of the publication of the Soviet library and bibliographical classification. p.79.
Starokadomskaia, M.K. - Twenty fifth anniversary of the State Public Historical Library. p.80.
A.K. - State Public Science and Technology Library of the U.S.S.R. is 5 years old. p.84.
Filimonov, M.R. - Conference of workers in university libraries. p.85.
Fradkina, Z.L. - Discussion on the magazine "V mire knig" [In the world of books]. p.87.
Topical remarks. p.92.
Lukomskaia, A.M. - Bibliography in Canada. p.99.
Matveeva, G.V. - "Publications of Matica slovenska." p.103.
Brief news. p.106.

SVODNYI BULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Technology]. Moscow, nos.5(75)-6(76), 1964.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, no.6, June 1964.

Table of contents translated:
Striganov, V. - Raise the ideological standard of library work. p.1.
Kuz'mina, Z. - When one works creatively. p.5.
Gel'man, N. - There should be no laggards. p.8.
Maliugin, V., Kuz'michev, P. - Together with the collective farm. p.10.
Kadaeva, A. - Applying knowledge to concrete problems. p.12.
Komarova, L. - Make books on chemistry available. p.13.
Bazilevskaia, N. - City library for efficiency promoters. p.15.
Bychenkov, I. - Where they need help. p.16.
Mar'ina, A. - Our information days. p.17.
Sidorova, V. - Lecture bureau for chemical information. p.18.
Popova, Z., Nikolaev, A. - With fishermen in the Caspian Sea. p.19.
TSepelev, V. - Friendship's ways. p.20.
Tarnovskaia, A. - Room for young readers. p.23.
Kalashnikova, G. - In contact with the Communist Youth League. p.25.
Fedorenko, I. - First successes. p.26.
Bakhmutova, A. - Don't be satisfied with what you have achieved. p.27.
Beliakov, L. - With the language of posters. p.28.
Baldina, I., Zolotykh, V. - Experience in coordination. p.32.
Zotova, R. - Working together. p.34.
Zubov, IU. - Highest award. p.38.
Posmysz, Zofja. - Through the eyes of a Polish woman writer. p.41.
Smelova, Zh. - For artists from among the people. p.42.
Polkovnikova, N. - For communist conviction. p.44.
Alekseeva, T. - Extending the limits of the program. p.46.
Artamonov, A. - Reflections on a conference. p.49.
Egorov, I. - He was a genuine librarian. p.52.
Shatunova, L. - Activist becomes a professional. p.54.
Rozenshtein, G. - With what measure to mete? p.55.
Denis'ev, V. - Should a practical manual be such as this? p.56.
Letters to the editor. p.59.
Brief news. p.63.

c. PRINTING & THE BOOK TRADE

LVOV. UKRAINS'KYI POLIGRAFICHNYI INSTYTUT. Naukovi zapysky [UKRAINIAN PRINTING INSTITUTE. Studies]. Vol.15, 1962. Pytannia ekonomiky poligrafichnoho vyrobnytstva [Problems in the economics of printing].

Table of contents translated:
Levin, A.M. - Planning and measuring labor productivity in plants. p.3.
Barnych, IU.O. - Economic effectiveness of comprehensive mechanization of assembly lines at stitching and bookbinding shops of printing plants. p.30.
Barnych, IU.O. - Technical and economic characteristics of variants in the technological equipment for mechanizing binding operations. p.46.
Dinkevych, V.V. - Economic effectiveness of various methods of printing books. p.61.
Mashtalir, R.M. - Social and economic conditions for the beginning of printing in the Ukraine. p.77.
Mashtalir, R.M. - Development of printing in the Western Ukraine before 1939. p.95.

POLIGRAFIIA [PRINTING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, no.2, Feb., 1964.

Table of contents translated:
On the eve of a glorious quatercentenary. p.1.
Serebrianyi, IA.M. - Role of the foreman in technical progress in production. p.3.
Semenov, E.I., Lev, B.I. - Improving the printing of forms. p.5.
Ostrinskii, S. - Establishing joint storehouses for the printing industry. p.7.
Shamborovskii, IA.K. - Economic effectiveness of printing sheets which do not conform to the sheet holder of a press. p.8.
Work is the best answer to criticism. p.9.
Petrokas, L.V. - Automatic machinery and lines of a rotary type. p.10.
IAkhimovich, IU.P., Sleptsov, A.I. - Direct method of offset reproduction with a contact screen. p.12.
Gol'denberg, E.B. - Feeders should work more precisely and reliably. p.14.
Prokhovnik, A. - Achievements of chemical science should be introduced into printing. p.15.
Shumilova, N. - Chemistry is our best helper. p.15.
Ermakova, V.S. - Results of the contest for Moscow efficiency promoters. p.16.
Kurilo, M.V., Pelyp, N.G. - Continuous production is the way to increase productivity. p.17.
Matkevich, IU. - For a high industrial standard. p.17.
Tikhomirov, E.N., Stol'tser, IU.M. - How to master the emulsion etching machinery. p.18.
Faidysh, V.A. - Worn rollers for latex flue. p.19.
Elisin, I.A. - Efficiency promotion in an Alatyr printing plant. p.20.
Balaurov, A.I. - Stopping device on a cover making machine. p.20.
Zinov'ev, V. - Signal system of a linotype. p.20.
Moninets, IU. - Our suggestion. p.21.
Berezin, B.I., and others. - Polyacrylamide binding glue. p.21.
Shakhkel'dian, B.N. - Method of determining the stickiness of glue. p.23.
Khlusov, E.I. - The typesetter came on his shift. p.25.
How to use correctly price list No.57-01. p.28.
Gurevich, S.M. - Sunday issue of newspapers. p.30.
Mytsenko, N. - We favor six-column forms. p.32.
Nemirovskii, E.L. - Principal stages in the development of Soviet printing. p.33.
In honor of the 40th anniversary. p.38.
For industrious performance. p.39.
Gal'perinas, IU. - Conference on the quality of paper. p.40.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHYLOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.3, 1964.

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.2-3, 1964.

UCHENYE ZAPISKI KAFEDR OBSHCHESTVENNYKH NAUK VUZOV G. LENINGRADA; Filosofiia [STUDIES BY THE DEPARTMENTS OF SOCIAL SCIENCES OF LENINGRAD INSTITUTIONS OF HIGHER EDUCATION; Philosophy]. Leningrad, no.6, 1964. Problemy nauchnogo kommunizma [Problems of scientific communism].

Table of contents translated:
Rozhin, V.P. - Scientific communism, its subject and objectives. p.3.
Novikov, A.I. - Correlation of the history of philosophy and scientific communism. Some methodological problems of studies of the history of philosophy. p.17.
Mashkov, A.P. - Modification of the class structure of the socialist society and the methods for overcoming class distinction during the period of the transition to communism. p.35.
Stepanov, S.V., Sutormin, I.F. - Overcoming the socio-economic distinction between the city and the countryside during the period of the large-scale building of communism. p.50.
Meleshchenko, IU.S. - Technology, technological progress and some problems of the development of personalities. p.77.
Kuz'min, A.F. - Subjective factor in the development of the contemporary Soviet society. p.96.
Ageev, D.P. - K. Marx and F. Engels on the problem of war and peace. p.105.
Shikin, S.T. - Elimination of wars and consolidation of eternal peace as the historic mission of communism. p.127.
Erunov, B.A. - Characteristic features of the public opinion under the conditions of the transition to communism. p.143.
Reznikov, L.O. - The correlation of language, thought and reality in general semantics. p.159.
Andruishchenko, M.N. - Conception of ideas in present-day science. p.173.

Ivanov, V.G. - The varied forms of causation. p.184.
Skorobogatov, V.A. - Reflection and the progress of technical cybernetics. p.194.
Mamzin, A.S. - Some principles of L.Bertalanffy's general theory of systems. p.211.
Chunaeva, A.A. - Contemporary methods of the idealistic criticism of dialectical materialism. p.223.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.18, no.5, 1964.

Table of contents translated:
Editorial: The theory of scientific atheism should be brought to the level of present-day demands. p.3.
Ostroumov, G.S. - Relationship between legal and political consciousness. p.13.
Lektorskii, V.A. - Relation of the objective and the subjective in the theory of knowledge. p.24.
Rudov, A.G. - Interelation of categories and laws in dialectical materialism. p.35.
Griaznov, B.S., and others. - The place of problems of the philosophy of natural sciences in the structure of Marxist philosophy. p.39.
Verbin, A.I., Kochetkov, F.K. - Our retorts. p.49.
Ryvkina, R.V. - The role and significance of experiment in social sciences. p.54.
Maslov, P.P. - Mathematical modeling in sociological research. p.65.
Kostiuk, V.N. - Role of the simplicity principle in natural science theories. p.76.
Davitashvili, L.Sh. - K.F.Roullier's theory of the evolution of the organic world. p.85.
Motroshilova, N.V., Solov'ev, E.IU. - From the defense of "strict science" to the assertion of irrationalism. p.92.
Mitin, M.B., Omel'ianskii, M.E. - Philosophical symposium in the U.S.A. p.104.
Shishkin, A.F. - An incomprehensible criticism. p.108.
Kovalev, I.F. - The second law of thermodynamics in the individual and general evolution of living systems. p.113.
Maikova, K.A. - Leibniz's unpublished letter to Abbé Saint-Pierre. p.120.
Skatershchikov, V.K. - The ethical content of art. p.128.
Gapochka, M.P., Kumanev, V.A. - Philosophy and history. p.138.
The main thing is to solve philosophical problems in a creative way. p.146.
Faddeev, E.T. - A fruitful meeting. p.153.
Golota, A.I. - Valuable work of collective Marxist thought. p.160.
Baller, E.A. - Communism and intellectual culture. p.164.
Vinogradov, V.G., Rakitov, A.I. - Marxist criticism of neo-positivism. p.168.
Vekker, L.M., IAroshevskii, M.G. - Cybernetic approach to the image problem. p.173.
Asmus, V.F. - An analysis of the theory of deduction. p.177.
Kursanov, G.A. - M.P.Baskin's Crisis of bourgeois consciousness; individualism and its bankruptcy. p.180.
New literature. p.182.
English summaries. p.184.

b. RELIGION

DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]. Helsinki, vol.43, no.5, 1964.

RUSSKOE STUDENCHESKOE KHRISTIANSKOE DVIZHENIE. Vestnik [RUSSIAN STUDENTS' CHRISTIAN MOVEMENT. Messenger]. Paris, no.70/71, Mar.-Apr. 1963; no.72/73, Jan.-Feb. 1964.

TSERKOVNYI VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaia tserkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol.11, no.3, Mar. 1964.

VECHNOE [THE ETERNAL]. Paris, no.6(198), June 1964.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo "Znannia" Ukrains'koi RSR ["Knowledge" Association of the Ukrainian S.S.R.]. Kiev, vol.4, no.7(46), July 1964.

4. HISTORY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Historical and Philological Review]. Erivan, no.3(18), 1962.

Table of contents translated:
Nersisian, M.G. - Patriotic War of 1812 and the Armenian people. p.17.
Aslanian, G.G. - Criticism of the concept of historical cycles. p.31.
Kostanian, R.O. - Grigorii Kapantsian. p.47.
Arutiunian, V.M. - Ancient site of Lori-berd. p.57.
Sarkisian, G.Kh. - The "Dastakerts" and "Agaraks" in 5th century Armenian sources. p.77.
Arutiunian, N.V. - New cuneiform inscription from Karmir-blur. p.95.
Aguzumtsian, V.M. - Creation and development of the material and technical basis of communism in the U.S.S.R. p.115.
Garibdzhanian, G.B. - The legendary Kamo. p.125.
Meliksetian, V.G. - The Zeifun epic. p.135.
Abraamian, A.A. - Characteristics of the semantics and application of the person of the verb in modern Armenian. p.151.
Muradian, M.O. - The works of Ashot Satian. p.157.
Avtandilian, A.N. - G.Agaian's philosophical and sociological views. p.165.
Minasian, A.M. - Armenian translations of Saadi's "Golestan." p.173.
Sivkov, A.V. - A 13th century structure in Erivan. p.183.
Voskanian, A.M. - A basic philosophical problem in the history of medieval Armenian philosophy. p.199.
Kazarian, M.M. - New canvases by Akop Ovnatanian. p.213.
Rizaev, S. - Armenian motion pictures. p.247.

No.1(24), 1964.

Table of contents translated:
Kafadarian, K.G. - Toros Toramanian. p.15.
Akopian, T.Kh. - From the history of the economic life of Erivan. p.25.
Khachikian, IA.I. - The aesthetic views of Komitas. p.41.
Stepanian, G.Kh. - Akop Paronian's satirical newspaper "Tatron." p.57.
Kiul'bonkian, G. - An interpretation of the epic "Sanasar and Bagdasar" in the light of the Sumero-Armenian dialect. p.73.
Galstian, A.G. - First stage in Armenian-Mongolian negotiations. p.91.
Krkiasharian, S.M. - Synoecism in Hellenistic Asia Minor and Armenia. p.107.
Mikaelian, G.A. - The central cyclopean fortress of Velikuni. p.119.
Garibdzhanian, G.B. - S.G.Shaumian in the emigration. p.133.
Ananian, Zh.A. - Foundation of the city Grigoriopol. p.149.
Amirian, S.G. - Three letters of Ioannes Ioannisian to Pavlo Tychina. p.173.
Khudaverdian, K. - "Outline history of the cultural collaboration among the Transcaucasian peoples" by A.Kh.Shaginian. p.229.
Mesropian, P. - Intensity of marks of synonyms of qualitative adjectives in English. p.274.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut vostokovedeniia. Uchenye zapiski [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Oriental Studies. Studies]. Vol.4, 1963.

Table of contents translated:
Ibragimov (Shakhin), T.A. - From the history of the workers' press in Iran. p.5.
Melikov, O.S. - Beginnings of modern Persian historiography; Aga Khan Kermani's views on history. p.39.
Jafar, Akrem. - Metrics of Hafiz Shirazi's gazels. p.53.
Ali, Minai. - The traditional fine arts of Iran and its modern trends. p.64.
Elvazov, A.G. - Materials on the research of degrees of comparison of adjectives in the Turkish and Azerbaijani languages. p.89.
Shamide, A.I. - Labor laws in Iran. p.108.

AKADEMIIA NAUK SSSR. Institut istorii. Vestnik drevnei istorii [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. Review of Ancient History]. Moscow, no.1(87), 1964.

Table of contents translated:
Giorgadze, G.G. - Struggle of the Hittites for northern Syria during the period of the Ancient Empire. p.3.
Dovgialo, G.I. - Characteristic features of the succession to the Hittite crown in the epoch of the Ancient Empire. p.23.
Amusin, I.D. - New fragments of the Qumran Commentary on Nahum. p.35.
Lukonin, V.G. - Bahram II and Narse; Iran, from the seventies to the thirties of the third century B.C. p.48.
Golenishchev-Kutuzov, I.N. - The influence of Roman literature of the fourth and fifth centuries on the medieval and Renaissance literatures.
Afanas'eva, V.K. - "Gilgamesh and the land of the living," the Sumerian epic song. p.84.
Novikov, IU.F. - Studies of the history of the development of agricultural techniques in the ancient world. p.92.
Dunaevskaia, I.M. - The Proto-Hittite nominal suffix to the indirect object. p.102.
Grinevich, K.E. - Authenticity of Herodot's information on Olbia. p.105.
El'nitskii, L.A. - Little-known or lost Greek inscriptions of the northern Black Sea region. p.110.
Vil'sker, L.Kh. - Documents found in Nakhal Khever. p.120.
Karyshkovskii, P.O. - Notes on the numismatics of the ancient Black Sea region. p.130.
Kazamanova, L.N., Kropotkin, V.V. - Imitations of Roman gold coins of the second and third centuries A.D. p.140.
Pavlov, V.V. - "Art of ancient Egypt" by M.E. Mat'e. p.149.
Khodzhash, S.I. - "Art of ancient Egypt" by V.V. Pavlov. p.154.
Cheresov, E.V. - "Role of the temple in the royal economy of ancient Egypt" by I.A.Stuchevskii. p.156.
Kats, A.L., Pikus, N.N. - "Readings on the history of ancient Rome." p.158.
Lur'e, S.IA. - "Early Sparta" [in English] by G.L. Huxley. p.162.
Frolov, E.D. - "The oligarchic movement in Athens at the end of the fifth century B.C." [in German] by U.Hackl. p.168.
Koshelenko, G.A. - "Jupiter Dolichenus; interpretation and synthesis" by P.Merlat. p.172.
Gasparov, M.L. - New foreign studies on Tacitus and Suetonius. p.176.
Annotations. p.192.
Semper, N.E. - New foreign books and articles on Egyptology; brief annotations. p.194.
Academician V.V.Struve's seventy-fifth birthday. p.218.
Seventieth birthday of N.V.Pigulevskaia, corresponding member of the Academy of Sciences of the U.S.S.R. p.221.
Professor M.E.Grabar-Passek's seventieth birthday. p.223.
Fifty years of Professor S.IA.Lur'e's scholarly work. p.225.
D'iakonov, I. - A letter to the editor. p.226.
Sextus Aurelius Victor. - Roman history. p.227.

AKADEMIIA NAUK SSSR. Institut narodov Azii. Kratkie soobshcheniia [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Peoples of Asia. Brief reports]. Moscow, no.72, 1963. IAzykoznanie [Linguistics].

Table of contents translated:
Gazov-Ginzberg, A.M. - Structure of onomatopoeic Semitic stems. p.3.
Akhvlediani, V.G. - Consonantal changes in the Tripoli (Lebanon) dialect of Arabic. p.9.
Belova, A.G. - Formation of nouns in the Iraqi dialect of Arabic. p.13.
Kovalev, A.A. - Analytic forms of the Arabic verb. p.26.
TSereteli, K.G. - Origin of the locative case in the Hebrew and Aramaic languages. p.32.
Ushakov, V.D. - Set expressions in modern literary Arabic. p.37.
Shagal', V.E. - On the Arabic "construct state" governing the meaning of a sentence. p.48.
Sharbatov, G.Sh. - Broadening the analytic sphere of modern Arabic dialects; from materials on the Egyptian, Syrian, and Iraqi dialects. p.54.
Nedospasova, M.E. - Borrowed meanings in modern Arabic terminology. p.59.
Purtseladze, N.N. - Dialectal elements and Europeanisms in the language of Mahmūd Taymūr. p.65.
Mukhamedova, N.A. - Prefixal verbs in Persian. p.72.
Smirnova, I.A. - The suffix "-ewe" in Kurdish; the Sorani dialect. p.92.
Smirnova, L.P. - Characteristics of the language of "Farsnameh." p.102.
Aganina, L.A. - Phonetic principles of the Chilik dialect of the Uigur language. p.120.
Starostov, L.N. - Meaning of modal endings in "-dir" in modern Turkish. p.137.
Nikol'skii, L.B. - Use of Korean case endings. p.151.
Nikol'skii, L.B. - Lexical-grammatical nature of Korean adverbial forms ending in "-ke." p.156.
Sokolov, A.N. - Discernment of morphemes as a function of the hieroglyphs in modern Japanese writing. p.160.
Kapul, N.P. - Japanese pseudonyms. p.168.
Muratov, S.N. - Materials on the dialects of the Turkic-speaking Greeks (the Urumy) in the Donetsk Provine of the Ukrainian S.S.R. p.178.
Rubinchik, IU.A. - Some principles for compiling Persian-Russian dictionaries. p.192.
Zarinezade, G.G. - Methods for compiling Arabic dictionaries. p.200.
Syromiatnikov, N.A. - Problems in the study of grammatical tenses. p.206.
Popov, K.A. - List of new works by Soviet linguists on the Japanese language and linguistics, 1958-1963. p.223.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. Uchenye zapiski [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Slavic Studies. Studies]. Moscow, vol.28, 1964.

Table of contents translated:

IAzhborovskaia, I.S. - The experience of the October Revolution in establishing soviets as used by the Polish proletarian parties from 1918 to 1919. p.3.
Manusevich, A.IA. - "Nova Trybuna," the Polish legal paper with the same slant as "Pravda" in 1914. p.26.
Shmeral, IA.B. - The creation and constitution of the Czechoslovak bourgeois republic as interpreted in foreign historiography. p.44.
Vorob'eva, E.D. - Delegation of the Czechoslovak working youth in the U.S.S.R. from November 1925 to January 1926. p.85.
Karpov, V.I. - The strikes in Poland from 1929 to 1931. p.105.
Leshchilovskaia, I.I. - The social bases of Illyrism. p.122.
Kondrat'eva, V.N. - From the history of the attempted organization of an uprising in Herzegovina in 1872. p.143.
Ozolin, A.I. - Economic claims of the burgher opposition in the Hussite revolutionary movement. p.165.
Kravtsov, N.I. - Slavic folk ballads. p.222.
Titova, L.N. - "Fidlovačka." p.254.
D'iakov, V.A. - The officers' organizations in Petersburg from the 1850's to the beginningof the 1860's and their role in the history of the Russo-Polish revolutionary ties. p.268.

EVREI I EVREISKII NAROD; sbornik materialov iz sovetskoi ezhednevnoi i periodicheskoi pechati [JEWS AND THE JEWISH PEOPLE; Materials from the Soviet Daily and Periodical Press]. London, vol.3, no.4(10), 1963.

MOSCOW. GOSUDARSTVENNYI ISTORICHESKII MUZEI. Trudy [STATE HISTORICAL MUSEUM. Transactions]. No.37, 1960.

Table of contents translated:

Briusov, A.IA. - V.A.Gorodtsov. p.7.
Krainov, D.A. - Significance of V.A.Gorodtsov's work on the paleolithic. p.12.
Levasheva, V.P., Trubnikova, N.V. - V.A.Gorodtsov and the State Historical Museum. p.17.
Grekhova, L.V. - Neolithic objects from eastern Ciscaucasia. p.21.
Raushenbakh, V.M. - Fat'yanovo burial on the ancient neolithic site of Nikolo-Perevoz. p.28.
Popova, T.B. - Origin of the Pozdnyakovo Culture. p.38.
TSvetkova, I.K. - New objects of the Volosov Culture near the city of Pereslavl-Zalesskiy. p.48.
A 15th and 13th century B.C. Andronovo burial; on the periodization problem of the Andronovo Culture. p.56.
Pogrebova, M.N. - A hither-Asian type bronze dagger from the Kadabek burial mound in northern Azerbaijan. p.60.
Smirnov, A.P. - Ram's figurine from the Glyadenovo sacrificial pit. p.68.
Trubnikova, N.V. - The ancient site of Sokolovaya Gora near Moscow. p.74.
Sorokina, N.P. - Topping of a Bosporus gravestone with a siren's figurine from a collection of the State Historical Museum. p.85.
IAtsenko, I.V. - Two sacrificial pits-"escharas" in the burial mounds located on the coast of the Dnieper-Bug Liman. p.99.
Gushchina, I.I. - Several forms of Sarmatian pottery from Panticapaeum. p.105.
Piatysheva, N.V. - Report on the 1939 archaeological excavation in Phanagoria conducted by the State Historical Museum. p.111.
Talis, D.L. - Characteristics of the 9th and 10th century Byzantine pottery from Chersonese. p.125.
Nedoshivina, N.G. - On the problem of relations between the Radimichi and the Viatichi. p.141.
Tukhtina, N.V. - Medieval Slavic pottery marks. p.148.
Fekhner, M.V. - Archaeological excavations of an ancient site near the Grekhov Brook. p.156.
Mal'm, V.A. - Burial mound near the Grekhov Brook. p.167.
Levasheva, V.P. - Golden Horde monuments in Voronezh Province. p.175.
List of abbreviations. p.186.

MOSCOW. UNIVERSITET. Vestnik. Seriia 9:Istoriia [UNIVERSITY. Review. Series 9: History]. Vol.19, no.3, May-June, 1964.

Table of contents translated:

Kabanova, I.D. - Moscow party and Communist Youth League organizations in the struggle for the improvement of the general education of the working youth from 1959 to 1963. p.3.
Koshelev, L.V. - Basic problems of colonialism and colonial policy as portrayed by French historiography and publications during the years of the Fourth Republic, 1946-1958. p.19.
Laverychev, V.IA. - Moscow industrialists in the years of the first Russian revolution. p.37.
Kisliagina, L.G. - Concerning the formation of N.M. Karamzin's world outlook from 1785 to 1789. p.54.
Samarkin, V.V. - Evolution of the long lease holding system in northeastern Italy from the 12th to the 14th century. p.67.
Brief news. p.79.

NOVAIA I NOVEISHAIA ISTORIIA [MODERN AND RECENT HISTORY]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, no.1, 1964.

Table of contents translated:

Kallai, G. - Development of the dictatorship of the proletariat in Hungary into the all-people's state. p.3.
Matthews, George. - The policy of the Labor Party today. p.12.
Krasil'nikov, A.N. - Foreign bases in postwar Britain and the mass struggle against them. p.24.
Mochul'skii, N.F. - The struggle of the left-wing groups within the Labor Party for the establishment of the popular front in 1939. p.42.
Ivanov, G.I. - People's revolts in Mexico in the second half of the 17th century. p.57.
Bolkhovitinov, N.N. - Russian diplomacy and the U.S. war for independence, 1775-1783. p.73.
Maiskii, I.M. - The beginning of the Second World War. p.89.
V.I.Lenin's correspondence with the American scientist C.P.Steinmetz; new documents. p.106.
Petrov, F.P. - New works of Czechoslovak scholars on the modern history of Czechoslovakia. p.112.
Drabkin, IA.S. - The myth of the "stab in the back." p.119.
Skazkin, S.D. - "Josefinism; history of the attempts to reform the Catholic Church in Austria, 1740-1848" [in German] by E.Winter. p.129.
Zhebokritskii, V.A., Kizchenko, A.F. - "The history of Yugoslavia in two volumes." p.132.
Deborin, G.A. - "The aggression of fascist Germany in Europe, 1933-1939" by V.T.Fomin. p.137.
Virginskii, V.S. - "History of technology" by A.A. Zvorykin and others. p.140.
Meshcheriakov, M.T. - "Heroic deeds of the Spanish Republic, 1936-1939" by D.P.Pritsker. p.143.
Epshtein, A.D. - "Germany from 1648 to 1789" by G.Schilfert; "Germany from 1789 to 1815" by I.Streisand [both in German]. p.146.
Mikhailov, S.S. - Two studies on Battlism. p.152.
Semin, I.P. - History of a heroic struggle. p.158.
Rubtsova, E.V. - A collective work on Ecuador. p.159.
Diad'kin, V.G. - The radical elements in the Bulgarian Social Democratic Party in the international arena. p.159.
Diad'kin, V.G. - Foreign policy of the people's democratic Bulgaria, 1944-1947. p.161.
Stetskevich, S.M. - Historical guilt of the Polish reformists. p.163.
IAz'kova, A.A. - From the history of Rumania in the prewar years. p.164.
Vorob'eva, L.F. - Notes on a biography of F.Engels. p.165.
Ochak, I.D. - Cooperation in fight. p.167.
Annotations. p.169.
Pashaeva, N.M. - The national liberation struggle of the Slovak people. p.172.
Korolev, V.N. - French neocolonialism in Africa. p.173.
Chernysheva, O.V. - An episode of the class struggle in Sweden. p.174.
Balkova, A.N. - Catholic clergy against home rule. p.175.
Lavrov, L.P. - Why the government of the National Front in France resigned. p.176.
Slezkin, L.IU. - Unfounded attack against Soviet Latin American studies. p.177.
Kumanev, V.A. - Methodology and the further development of science. p.179.
Druzhinina, E.I. - The 150th anniversary of the liberation of Germany from Napoleon's domination. p.182.
Rakhmatullin, M.A. - A meeting of the Council of the Historical Institute of the Academy of Sciences of the U.S.S.R. p.185.
S.I. - The 250th anniversary of D.Diderot's birth. p.186.
Volkov, V.K. - National holiday of the peoples of Yugoslavia. p.187.
M.A. - The Second Conference of Slavic Historians of the Institutions of Higher Education of the U.S.S.R. p.188.
I.M.Maiskii's 80th birthday. p.190.
Sivolap, I. - A French scholar visits Soviet historians. p.191.
Nikitin, S.A. - The Fifth International Congress of Slavists. p.191.
Szczaniecki, M. - Research in the field of modern and most recent history at the Western Institute in Poznan. p.192.
Mel'tser, D.B., D.IA. - Defense of doctoral dissertations. p.194.
Books, documents, and articles on the modern and most recent history published in the U.S.S.R. in 1962 (conclusion). p.197.

No.2, 1964.

Table of contents translated:

Khvostov, V.M. - The present state of the studies of Soviet foreign policy and international relations in the contemporary epoch. p.3.
Sovriugina, N.G. - V.I.Lenin's struggle against dogmatism and sectarianism in the international workers' and communist movement from 1919 to 1922. p.12.
Mikhailov, S.S. - Some problems concerning Latin American studies. p.29.
Myl'nikov, A.S. - The place and significance of the Czech radical democrats in the 19th century Czech historiography. p.37.
Drazninas, IA.I. - Contemporary bourgeois historiography on Napoleon III and the Second Empire. p.48.
Endakova, V.M. - G.Dimitrov and Kolarov's unpublished letters on the anti-fascist uprising of 1923 in Bulgaria. p.59.
Sivachev, I.V. - Defeat of the extreme right in the 1936 presidential elections. p.65.
Danishevskii, T. - Polish Workers' Party as a guiding force of the national liberation struggle, 1939-1944. p.70.
Koval', B.I. - Problems of the national liberation movement in the programs of the communist parties of Latin America; a review. p.95.
Sibilev, N.G. - History of the restoration of the Socialist International. p.108.
Grigulevich, I.R. - Sources and literature on the history of the national culture and cultural revolution in Cuba. p.121.
Kunina, A.E. - Methodological research in the American bourgeois historiography; scanning the pages of American magazines. p.132.
Andrianov, V.V. - "Five years of the Cuban revolution." p.140.
Shteiner, G. - "Outline history of Austria, 1929-1938" by V.M.Turok. p.143.
Kortman, L.E. - "Modern history," Pt.2, 1939-1962 by O.S.Bollis, V.I.Rasputnis, T.G.Soltanovs'ka. p.145.
Kandel', E.P. - "Karl Marx and Friedrich Engels in Köln, 1848-1849" [in German] by G.Becker. p.149.
Pavlenko, G.V. - "The struggle of the German workers' movement for agricultural workers and working peasants from 1864-1900" [in German] by F.Schaaf. p.152.
Vinogradov, K.B. - "Bismarck, France and the claimants to the Spanish throne" [in German] by J.Dittrich. "Bismarck, the Hohenzollern candidacy and the origins of the Franco-German War of 1870" [in English] by L.C.Steefel. p.154.
Letova, N.P. - "Australian diplomacy and Japan, 1945-1951" [in English] by R.N.Rosecrance. p.158.
Mikhailov, M.I. - A new book on the history of international relations. p.161.
Tregor, Klaus. - A fervent German democrat. p.162.
Cherniavskii, G.I. - Recollections of a heroic uprising. p.164.
Manusevich, A.IA. - A glorious page from the history of the Polish workers' movement. p.166.
Semenova, L.E. - From the history of Rumanian-Russian relations. p.167.
Gordon, L.S. - A new study on Diderot. p.169.
Annotations. p.171.
Kumanev, V.A. - Methodological problems of the historical science; report on a session of the Section of Social Sciences attached to the Presidium of the Academy of Sciences of the U.S.S.R. p.175.
Barakov, K.N. - Results of the activities of the Institute of History of the Academy of Sciences of the U.S.S.R. of 1963; report on a session of the Academic Council of the Institute. p.179.
Orekhov, A.M. - Activity of the Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R. in the field of modern and recent history of the Slavic countries; a session of the Academic Council of the Institute. p.182.
Kleimenova, K.I. - A session of the Academic Council on the history of the foreign relations of the U.S.S.R. and international relations. p.183.
Gvozdarev, B.I. - The fifth anniversary of the Republic of Cuba; a scholarly conference. p.187.

Munanhiko, G.P. - Twentieth anniversary of the Soviet-Czechoslovak Treaty of Friendship and Mutual Assistance; report at a session of the Academic Council of the Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R. p.100.

[illegible] S.A. - Problems of the modern and recent history of the countries of the Balkan Peninsula and the Near East; an academic conference at the Leningrad University. p.103.

Mel'nov, D. - Scholarly research of the Department of Modern and Recent History of the V.I. Lenin University of White Russia. p.104.

Zaitsev, IA.V. - Studies of the modern and recent history at the Bashkir State University. p.106.

Nivolan, I. - A session of the group of studying the history of France at the Institute of History of the Academy of Sciences of the U.S.S.R. p.105.

Ismailova, [illegible] - Early editions of [illegible] works in the collections of the Historical Library. p.105.

Abramyan, A., Zhelia, A. - Defenses of doctoral dissertations. p.107.

NOVAIA I NOVEISHAIA ISTORIIA [MODERN AND RECENT HISTORY]. Issued by [illegible] Akademii nauk SSSR [illegible] of the Academy of Sciences of the U.S.S.R. [illegible] Moscow, no. 2, 1964.

NOVAIA I NOVEISHAIA ISTORIIA [MODERN AND RECENT HISTORY]. Issued by [illegible] Akademii nauk SSSR [illegible] of the Academy of Sciences of the U.S.S.R. [illegible] Moscow, no. 3, 1964.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Instytut istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and [illegible] Kiev, vol. 8, no. 2, Mar-Apr, 1964.

Table of contents translated:

[illegible], P.P. - [illegible] p.3

Kravets, P.P. - In the struggle for [illegible] the [illegible] of collective farms. p.18

[illegible], IA.M. - Activity of the Komsomol [illegible] of the Ukraine in the [illegible] of youth during the period between the [illegible] and the [illegible]. p.26

[illegible] - [illegible] p.36

[illegible] - [illegible] p.42

[illegible] - [illegible] p.51

[illegible], M.H. - [illegible] fought in the fight against the fascist invaders during the Great Patriotic War. p.64

[illegible], M.M. - The imperialist policy of [illegible] and United States regarding the Ukraine. p.69

[illegible], V.I. - With Lenin's name. p.77

Vasilenko, P.S. - Dissemination of Lenin's works in the Transcarpathian region in 1917. p.80

Teslia, M.G. - The role of the village soviets in the Ukraine in the consolidation of the collective farm system, 1933-1934. p.84.

[illegible], M.M. - History of the [illegible] financial group. p.88

[illegible], M.M. - Assistance of the working class of the Ukraine in the strengthening of the productive activity of the collective farms from the Autumn of 1932 to the Spring of 1933. p.90.

[illegible], I.M., [illegible], V.I. - Museums and their role in compiling the history of cities and villages. p.94.

[illegible]'kyi, A.D. - Ukrainian colonization of the Lower Danube Valley from the last quarter of the 18th century to the early 19th century. p.97.

[illegible], V.I. - The use of phonograph records of V.I. Lenin's speeches in lessons of history. p.102.

Chepurnyi, G.A. - A work on methods for teaching history in the schools for working youth. p.103.

[illegible], I.P. - Liberation of the southern areas of the Western Ukraine from January to April 1944. p.105.

[illegible], K.M. - Hero of the [illegible] battles, on the occasion of the 20th anniversary of the liberation of the Crimea. p.109.

Kot'iak, T.M. - A tireless organizer of the masses, on the 50th anniversary of G.V. Medvedev's birth. p.113.

Nabokna, L.P. - Feliks Kon in the Ukraine; on the 100th anniversary of his birth. p.116.

Antalnov, M.O. - L.I. Lutugin, a prominent explorer of the Donets Basin; on the 100th anniversary of his birth. p.119.

Mel'nyk, L.H. - The 200th anniversary of the foundation of the "Arsenal" plant. p.120.

Dashkevych, IA.R. - The Armenian historian H. Barsegh as a student of the history of the Ukraine; on the 75th anniversary of his birth. p.121.

Hlynchuk, V.I. - Historiography of the Communist Party of the Ukraine in the postwar period, 1945-1953. p.123.

Hryhorenko, A.P. - A review of sources of the history of the Ukrainian working class during the period of the preparation and execution of the Great October Socialist Revolution. p.131.

Koval', I.M. - "The Ukrainian S.S.R. in the international arena; a collection of documents and materials, 1944-1961." p.136.

Lashchuk, P.M. - "Armed with fiery words" by K.M. [illegible] p.138.

Slavko, I.I. - "Behind enemy lines, battle history of the guerrilla units led by A.N. Saburov, Hero of the Soviet Union" by [illegible] p.139.

Maleik[illegible], M.M., Mishchenko, H.P. - "During the years of severe trials" by K. Dubina. p.141.

[illegible], M.R., Kozlov, I.IA. - "Cultural development in the Ukraine from 1921 to 1925" by H.M. [illegible] p.143.

[illegible], P.P., Kovalko, M.A. - "Struggle of the Communist Party for the solution of the national question during the period of 1917-1920" by M.I. Kulichenko. p.144.

[illegible], M.H. - "Rural Ukraine [illegible]" by Maria Wawrzykowa. p.148.

Mel'ko, V.I. - "Russian [illegible] and [illegible]" by [illegible] p.150.

Vasylenko, I.M., [illegible], A.A. - A conference of teachers of history in [illegible] p.151

[illegible], V.H. - Foreign relations of the Institute of History of the Academy of Sciences of the Ukrainian S.S.R. in 1963. p.152

[illegible], IA.D. - The [illegible] exhibition [illegible] p.157

[illegible] - [illegible] of the public [illegible] p.157

Telegin, D.IA., Bylik, V.A. - From the work of the Kiev Archaeological Expedition, 1962-1963. p.158

[illegible], A., [illegible] - The Fifth International Symposium on the [illegible] problems of the history of Science and Technology. p.155

[illegible] - Defenses of doctoral dissertations. p.159

[illegible], [illegible], [illegible], M.M. - Work on a history of Ukrainian culture. p.159

[illegible] - [illegible] p.159.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 6, no. 5, May, 1964.

Table of contents translated:

Editorial. Military history is a powerful means of [illegible] p.3

[illegible], [illegible] - Activity of the Communist Party in [illegible] party [illegible] in the Armed Forces (1925-1931). p.12

[illegible], I. - Meeting engagements of tank and mechanized corps in the Great Patriotic War. p.24

[illegible], A. - Organization of the water supply of troops on the Transbaikal front in the Khingan-Mukden operation. p.36.

[illegible], A. - Surprise in the [illegible] p.40.

[illegible], S. - Courage and resourcefulness is a guarantee of victory. p.54.

[illegible], S. - Search for a correct decision. p.59

Interrogation of Reichsmarschall Göring. p.73

[illegible], A. - Some questions of military history in the book "Military strategy." p.87.

[illegible], V. - Book about soldiers of victory. p.93

[illegible], V. - Cossack [illegible] in the Great Patriotic War. p.104.

Kim, S. - Korean partisans in the struggle for power of the Soviets in the Far East (1918-1922). p.107

Orlov, A. - Incident on Crete. p.115.

[illegible], F. - Collection and preservation of military relics. p.119.

From the editors. p.121.

Books on the history of wars and military art. p.122.

[illegible], M. - Forty-five years on guard of the Soviet borders. p.125.

Vol. 6, no. 6, May 1964.

Table of contents translated:

[illegible], V. - The Black Sea Fleet in the struggle for the liberation of the Crimea. p.3.

Lachinskii, A. - In the battles of Sevastopol. p.17.

Galitskii, V. - "Thunderclap." p.31.

Bol'shakov, I. - Russian intelligence in the First World War, 1914-1918. p.44.

Romankevich, V. - Friendly help in combat. p.49.

Krylov, I. - History of a certain decoration. p.51.

Kozlov, M. - In the combat files of the 13th Army. p.53.

[illegible], I. - From reminiscences of IA.B. Gamarnik. p.62.

Engel'gardt, B. - Lost world. p.71.

Derevianko, P. - Heroes of the past war. p.84.

Khoroshilov, G. - Instructive memoirs. p.91.

Ashraf, A., [illegible], V. - The story of the Pakistan army. p.93.

[illegible], V. - The "[illegible]" plan. p.97.

[illegible], B. - Failure of operation "Condor." p.104.

[illegible], G. - Through military historical places of the Budapest offensive operation. p.111.

[illegible], S. - Why is the Day of the Soviet Army and Navy celebrated on the 23d of February? p.114.

[illegible], P. - From the history of the military oath. p.118.

[illegible], J. - Forty-fifth anniversary of the internal security troops of the Republic. p.120.

[illegible], I. - Vladimir Grigor'evich Fedorov. p.123.

Lazarev, K. - Corps Commander IA.F. Gailit. p.125.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istorii Akademii nauk SSSR and Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Department of History of the Academy of Sciences of the U.S.S.R. and the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 39, no. 6, June, 1964.

Table of contents translated:

[illegible], N.E. - Problems of historical science in the works of K. Marx and F. Engels. p.3

[illegible], N.M. - Heroic effort of the working class of the U.S.S.R. in the great struggle from 1943 to 1945. p.27

[illegible], V.I. - Socialist nationalization of [illegible] in the U.S.S.R. p.43

[illegible], I.A. - The [illegible] and the Provisional Government. p.63

[illegible], V.I. - Certain aspects of the formation of [illegible] in Russia. p.77

[illegible], K.L. - [illegible] of the leader of the [illegible] p.90

[illegible], I.L. - [illegible] p.110

In the Academic Council on the Comprehensive Problem "Laws of the development of socialism and of the transition to communism." p.121

[illegible], N.I. - "Vestnik Moskovskogo universiteta" (Series 9, History) from 1958 to 1963. p.126

[illegible], G.A. - The studies on Lenin's foreign policy from 1917 to 1924. p.130.

[illegible], V.M. - "Soviet peasantry during the years of the Great Patriotic War" by IU.V. Arutiunian. p.139

[illegible], D.A. - "Latvian riflemen in the fight for Soviet rule from 1917 to 1920; recollections and documents." p.141

[illegible], M.D. - "Personal archival collections in state repositories of the U.S.S.R.", in two vols, 1-2. p.144.

[illegible], N.M. - "Herzen and Chernyshevskii" by I.V. Porokh. p.145.

[illegible] - "The social and political history of Russia in the 19th and beginning of the 20th century" by I.I. Polosin. p.147

[illegible], P.M. - "Documents and materials on the history of Soviet-Polish relations." Vol. 1, February 1917 to November 1918. p.149

[illegible], A.D. - "Modern trends in the sociopolitical thought of India and Pakistan; criticism of Moslem nationalism" by L.R. Gordon-Polonskaia. p.153.

New books. p.156.

Articles in Soviet historical periodicals. p.159

[illegible], G.F., [illegible], N.F. - A symposium on the problem of the genesis of feudalism. p.163

[illegible], B.M. - In a group studying the history of Germany. p.167.

List of doctoral dissertations defended in 1963 (to be continued). p.169.

Historical science in revolutionary Cuba. p.170

Brief notes. p.173

[illegible], I.A. - In the National Committee of the Historians of the Soviet Union. p.176.

Manusevich, A.IA. - Large-scale investigation of the history of Polish political life. p.179.

[illegible], M.I. - A work on the history of the working class of Germany in the first half of the 19th century. p.181.

[illegible], M.A. - "Nationalization of industry in India" [in English] by K.G. Bhandari. p.185.

[illegible], V.F. - "The Fifteenth Century, 1399-1485. Oxford history of England, vol. 6" [in English] by E.F. Jacob. p.188.

Tables of contents of periodicals published in socialist countries. p.191.

[illegible], A.M. - "Vierteljahrshefte für Zeitgeschichte", review of a periodical. p.197

Notes on periodical articles:
Grishina, R. P. - Special characteristics of the development of capitalism in Bulgarian agriculture. p. 197.
Pirogov, G. N. - From the history of the struggle of the Finnish working class against fascism. p. 198.
Kharov, A. N. - A South African communist periodical unveils the maneuvers of the British colonizers in South Africa. p. 199.
Batkova, A. N. - Anniversary of a progressive Irish periodical. p. 200.
Mashbits, IA. G. - A subjective evaluation of the role of the middle classes in the economic and political life of Venezuela. p. 201.
Izritskii, IU. I. - Raymond Aron's search for "controversies" in Marxism. p. 202.
Askol'dova, S. M. - From the history of the struggle of American workers against imperialism. p. 203.
Starokadomskaia, M. K. - J. J. Rousseau and the problems of war and peace. p. 204.
Khoroshkevich, A. L. - The commerce between Russia and the Hansa towns in the evaluation of a West German scholar. p. 204.
Gel'tser, M. L. - Phoenician colonization in the Mediterranean. p. 206.
Foreign reviews of Soviet historical studies. p. 206.
Georgiev, D. - A meeting of the Polish Academy of Sciences dedicated to the problems of the liberation war of the Polish people from 1939 to 1945. p. 208.
Works of the British progressive historians. p. 210.
Brief news. p. 211.
Nemirovskii, E. L. - When did Ivan Fedorov, the printer of early books, die and where is he buried? p. 213.
Kazhdan, A. P. - Answer to an American critic. p. 215.
Information on authors of articles published in the present issue of "Voprosy istorii." p. 219.
English summaries of major articles. p. 220.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIIA NAUK URSR, Kiev. Instytut arkheologii. Kratkie soobshcheniia [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Archaeology. Brief Reports]. Kiev, no. 10, 1960.

Table of contents translated:
Chernysh, A. P. - On the problem of Mousterian dwellings. p. 3.
Kolosov, IU. G. - Stratigraphy of the Romankovo paleolithic location. p. 11.
Abramov, I. IA. - Bone with carved ornamentation from the village of Romankovo. p. 13.
Pidoplichko, I. G. - Geological age of an ornamented metapodial of a wild ass from the village of Romankovo. p. 16.
Kolosov, IU. G. - Archaeological excavations of the Kara-Koba cave in the Crimea. p. 17.
Makarevich, M. L. - Explorations in the Stena village region in the middle Dniester Valley. p. 23.
Novitskaia, M. A. - Figured cloths of the Tripol'ye Culture; based on excavation materials near the village of Stena. p. 33.
Berezanskaia, S. S. - Cultures of the middle Bronze Age on the left bank of the Ukrainian Polesye. p. 36.
Il'inskaia, V. A. - Settlement of the Komarovo Culture near the village of Moshna. p. 48.
Sharafutdinova, I. N. - Casting moulds on the settlements of the late Bronze Age in the lower Dnieper Valley. p. 59.
Zaverniaev, F. M. - Bronze Age settlements in the Desna Valley. p. 65.
Leskov, A. M. - Excavations of stone boxes in the Baydar Valley in the Crimea. p. 70.
Furmanskaia, A. I. - Monuments of sculpture from Tira; based on the archaeological excavations of 1958. p. 78.
Chuistova, L. I. - Gravestones of the beginning of our era from Kerch. p. 84.
Lapin, V. V. - Hellenic wells in the coastal part of Olbia. p. 91.
Bogusevich, V. A. - Burial of the Chernyakhov Culture in the city of Sumy. p. 103.
Braichevskii, M. IU. - New finds of the seventh-eighth centuries A.D. on the ancient site of Pastyrskoye. p. 106.
Veimarn, E. V. - Viticulture and wine making in the ancient and medieval Crimea. p. 109.
Kuchera, M. P. - Pottery marks from the archaeological excavations of the ancient Plesnetsk. p. 118.
Vyezzhev, R. I. - Archaeological excavations of the "Ancient site of Maloye" of the anicent city of Gorodesk. p. 124.
Bibikov, S. N. - "The late Paleolithic of the central Dniester Valley" by A. P. Chernysh. p. 136.
On the 100th anniversary of S. S. Gamcheno's birthday. p. 141.
In memory of Mikhail Fedorovich Boltenko. p. 144.

MATERIALY I ISSLEDOVANIIA PO ARKHEOLOGII SSSR [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF THE U.S.S.R.]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 109, 1963. Trudy Volgo-Donskoi arkheologicheskoi ekspeditsii [Transactions of the Volga-Don Archaeological Expedition], vol. 3.

Table of contents translated:
Foreword. p. 5.
Artamonova, O. A. - The Sarkel-Belaya Vezha burial mound. p. 9.
Pletneva, S. A. - Nomadic mound near Sarkel-Belaya Vezha. p. 216.
Ginzburg, V. V. - Anthropological composition and origin of the Sarkel-Belaya Vezha population. p. 260.
Vuich, L. G. - Anthropological characteristics of skulls from the early burials in Sarkel. p. 282.
Ginzburg, V. V. - Craniological materials from the ancient right-bank TSimlyansk site. p. 295.
Firshtein, B. V. - Skulls from embankments near Belaya Vezha. p. 308.
Vuich, L. G., Ginzburg, V. V., Firshtein, B. V. - Skulls from the burials at Sarkel-Belaya Vezha fortification walls. p. 354.
Firshtein, B. V. - Skulls from the burials in the court of the ancient TSimlyansk site located on the left bank. p. 411.
Vuich, L. G. - Skulls from a nomadic mound near Sarkel-Belaya Vezha. p. 420.
Rokhlin, D. G. - Pathological bone changes in the people of the 10th-11th and the beginning of the 12th century based on the data from the Sarkel-Belaya Vezha burial mound. p. 450.
List of abbreviations. p. 529.

5. SOCIAL SCIENCES

a. COMMERCE

BIULLETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII; prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION; Supplement]. Issued by Nauchno-issledovatel'skii kon''iunkturnyi institut [Scientific Research Institute of Economic Trends]. Moscow, no. 4, April 1964.

Tables of contents translated:
Zav'ialov, P. S. - Contemporary market of agricultural equipment in capitalist countries. p. 3.
Zav'ialov, P. S. - Production and export specialization in the tractor industry of leading capitalist countries. p. 77.

BOLGARSKAIA VNESHNIAIA TORGOVLIA [BULGARIAN FOREIGN TRADE]. Issued by Bolgarskaia torgovaia palata [Bulgarian Chamber of Commerce]. Sofia, nos. 1-2, 1964.

BUKHGALTERSKII UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 21, no. 2, Feb. 1964.

Table of contents translated:
Ratmirov, IU. - Entering workers' output on dual cards. p. 1.
Bryzgalin, N., Teplitskii, A. - Machine accounting for materials. p. 6.
Zhukovtsev, S., Pitsyk, A. - Machine accounting for finished products. p. 9.
Pak, V., Petrova, I. - Over-all accounting mechanization. p. 12.
Rozenberg, M. - The journal-voucher accounting system with the use of keyboard calculating machines. p. 18.
Gradshtein, IA. - Standard calculation and the analysis of production costs. p. 24.
Chernukha, A. - Operational calculation of the cost of steel. p. 28.
Kozhukh, S. - Chief accountant and his duty in relation to the state budget. p. 31.
Vlasov, P., Min'kovskii, E. - Improve the training of accounting machine operators. p. 32.
Maksimenko, G. - Work of economic councils and bureaus. p. 35.
Sarapik, L. - Establishing norms for the expenditures connected with the work of equipment. p. 37.
Rotshtein, B. - Accounting for raw materials supplied by the customer. p. 40.
Rogachev, I., Kuznetsov, K. - Accounting for glass containers. p. 41.
Golubov, V. - Simplify accounting in the wholesale trade. p. 42.
Finkel', S. - Increase the profitability of supply and sale organizations. p. 44.
Belukha, N. - Combining statistical and accounting journals. p. 46.
Lapteev, F. - Centralize accounting in public institutions. p. 49.
Riabchikov, M. - Follow-up of forensic accounti
expertize. p. 50.
Borodkin, A. - Accounting for the obsolescence
special purpose tools. p. 52.
Shpig, A. - Improve accounting in vegetable stor
p. 54.
New books. p. 56.
Accounting for production costs. p. 59.
Review of newspapers. p. 60.
Discussion of I. Gruntfest' and V. Isakov's textboo
"Calculating machines and their utilization in
accounting." p. 66.
Mikhailova, G. - Organization of accounting in th
retail trade of the German Democratic Republ
p. 68.
In the methodological council. p. 72.
Exhibition of the calculating machines of the Germ
Democratic Republic. p. 75.
Seminar of the accountants of the regional econom
councils of the Ukraine. p. 77.
Conference of the administrative personnel of the
schools of the Practical Training Center of the
Central Statistical Administration of the U.S.S.
p. 78.

Vol. 21, no. 4, Apr. 1964.

Table of contents translated:
Vasil'ev, D. - Accountants' tasks in the light of th
decisions of the February Plenum of the Centra
Committee of the CPSU. p. 1.
Marov, M. - Use machine accounting in agricultu
p. 7.
Ivashkevich, V. - Accounting for the volume of
production based on standard manufacturing cos
p. 12.
Trusov, A. - Improve calculating production costs
the tire industry. p. 16.
Lukin, V. - Calculation where electronic compute
are in use. p. 19.
Berg, A. - Accounting for nonproductive expendit
in capital construction. p. 22.
Kichaev, A. - Analysis of the work of enterprises
economists-volunteers. p. 25.
Mil'ner, A. - Expansion of the activist group
comprised of volunteers in the control and
auditing apparatus. p. 34.
Agarov, P. - Auditing documents on the volunteer
bases. p. 39.
Korchagin, A., Nidekker, G. - Standard method of
accounting in a furniture firm. p. 39.
Kuznetsov, N. - How we simplify accounting.
p. 42.
Ruchin, S. - Improve accounting for the auxiliary
production. p. 44.
Stadnik, A. - Accounting for the idle time of equip-
ment. p. 47.
Kuz'minskii, A., Chumachenko, N. - Evaluating
reusable metal. p. 50.
Gumeniuk, L. - Improve accounting for the future
expenditures in a mine. p. 54.
Zakorko, P. - How we account for protective
clothing. p. 56.
Il'iashevich, V. - Improve accounting in a construc
tion trust. p. 56.
Kislenko, L. - The balance sheet method of
accounting for materials in construction. p. 58.
Perel'muter, V., Leivi, I. - The journal-voucher
accounting method in trade. p. 60.
Zuev, M. - Expand the introduction of the balance
sheet method in consumers' cooperatives. p. 62.
Kolesnikov, G. - Improve accounting in the educa-
tional system. p. 63.
Gershtenkorn, S. - Distinguish between the reclaim-
able and nonreclaimable waste material. p. 65.
Kantorman, S. - Accounting for materials supplied
by the customer. p. 66.
Review of newspapers. p. 68.
Evseev, P. - "Analysis of the administrative
operations of meat and dairy industry enterprises"
by K. IAkovlev, G. Lazarovich. p. 73.
Meeting of the editor of "Bukhgalterskii uchet" with
the readers. p. 76.

FINSKII TORGOVYI ZHURNAL [FINNISH COMMERCIAL JOURNAL]. Issued by Soiuz finskoi vneshnei torgovli and Finsko-Sovetskaia torgovaia palata [Association of Finnish Foreign Trade and of the Finnish-Soviet Chamber of Commerce]. Helsinki, no. 45, 1964.

NOVYE TOVARY; informatsionnyi biulleten' [NEW CONSUMER GOODS; Information Bulletin]. Moscow, no. 4, 1964.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce]. Moscow, vol. 36, no. 6, June 1963.

Table of contents translated:
Editorial: For a more efficient expansion of trade in the village. p. 1.

Kononov, N. - Methods for determining the demand for goods. p. 5.
Gorodko, V., Dubonos, N. - Improve mechanical store equipment. p. 11.
Vasil'ev, A., Rakovskii, V. - Confectionery trade. p. 14.
Danchenkov, M. - Put milk in paper cartons. p. 16.
Shumilova, E. - Electrical goods today and tomorrow. p. 18.
IAzev, V. - Legal status of state trade organizations. p. 22
Berger, I., Ivanitskii, V. - The law and a trade organization. p. 24.
Fesenko, N. - There is a need for a standard regulation on brigade material responsibility. p. 28.
Sokolova, N. - Power of control. p. 29.
Dzhulakidze, G. - Improve the training of trade personnel. p. 32
Rubashkin, I. - In the school for salesmen. p. 32.
Osherov, M. - The over-all store mechanization. p. 34.
Marishchuk, V. - In order to avoid repeating errors. p. 34.
Kozlov, A. - In a new city. p. 35.
Gubarev, S. - About those next to you. p. 38.
Alekseev, N. - Training trade specialists in the Polish People's Republic. p. 41.
Luk'ianchenko, V. - Planning requirements for self-service stores. p. 44.
Aleksandrov, K. - Design of the House of Furniture in Moscow. p. 47.
Vladimirov, I., Zhukova, F. - A "Flower" shop in Volgograd. p. 50.
Shifrin, I. - Prefabricated dismountable box. p. 52.
Kharitonskii, M. - Hand truck with a hydraulically raised platform. p. 54.
Budaragin, V. - Organization and technical means for the study of demand. p. 55.

Vol. 37, no. 1, Jan. 1964.
Table of contents translated:
Struev, A. - A year of great tasks. p. 1.
Khrekin, I. - The turnover of goods in 1964 - 1965. p. 5.
Popkov, V., Fedeniuk, V. - Chemistry and clothing. p. 11.
TSelykovskaia, E., Fedorova, L. - Transit and the stocks of goods. p. 15.
Morgunov, A., Tolkachev, A. - On quality, assortment, plan and incentives. p. 17.
Darbinian, M. - An assortment profile and store distribution. p. 23.
Bogdanov, I. - Profit and incentives. p. 26.
Denisov, M. - With the active support of volunteers. p. 28.
Todesen, K. - We are setting up advertising together. p. 31.
Liberman, I. - A "Sintetika" Store in Perm. p. 36.
Nalivaiko, N. - Responsibility of the collective. p. 37.
Tiukov, V., Lokshin, R., Korovkin, G. - Students should not be instructed according to this textbook. p. 30.
Gal'perin, L., Botvinnik, A. - Book on trade regulation. p. 43.
Dmitriev, V. - On several omissions in a good textbook. p. 46.
Liubarskii, A. - Advertising in the store. p. 48.
Recommendations for the mechanication of lifting and transportation work in grocery stores. p. 53.

b. ECONOMICS

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut ekonomiki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Economics. Transactions]. Tiflis, vol. 13, 1962.
Table of contents translated:
Gugushvili, P.V. - Agricultural technique of Transcaucasia in the 19th and the beginning of the 20th century. p. 133.
Bibliography of studies in economics published in the Georgian S.S.R. in 1957. p. 199.
Chantladze, V.G. - Soviet scholars' opinions about a book by Professor P. Gugushvili. p. 239.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 35, no. 5, May, 1964.
Table of contents translated:
Editorial: Specialization is a component part of agricultural intensification. p. 1.
Maniakin, V. - Reality refutes bourgeois fabrications. p. 8.
The building of communism in the U.S.S.R. and the development of agriculture. p. 18.
Klemyshev, P. - Use mathematical methods in planning. p. 19.
Tiutin, V. - Intensification of socialist agriculture. p. 27.
Kravchenko, R. - Methods of optimal planning. p. 41.
Puturidze, I. - Material incentives are the basis of rich results. p. 49.
Artemenko, N. - Use the tractor park efficiently. p. 54.
Sverdlov, M., Moiseev, P. - Using wide-range aggregates in planting corn. p. 61.
Aleshin, A., Moiseev, V. - Grain drills. p. 64.
Zal'tman, L., Makarov, N. - Farming systems and production types of agricultural enterprises. p. 68.
Grigas, R. - Plan feed supply on swine farms correctly. p. 78.
Kurbatov, I. - Advantages of a brigade with over-all mechanization. p. 83.
Shliakhtin, V. - Organization of cattle fattening work on specialized state farms. p. 89.
Gorokhov, G. - Main requirements toward the content of Soviet land cadastre. p. 95.
Libkind, A. - Differntial rent and production profitability. p. 99.
Kuvshinov, I. - Agriculture in Finland. p. 106.
Koval', T. - Agrarian problems of Algeria. p. 110.
Romanenko, I., Larin, G. - Conduct collective and state farm production on a scientific basis. p. 116.
Karavaev, V., Polovenko, I. - Research coordination. p. 121.
Osipov, L., and others. - Conference on land utilization. p. 125.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 6(68), June 1964. [In Lithuanian]

MOSCOW. UNIVERSITET. Vestnik. Seriia 8: Ekonomika, filosofiia [UNIVERSITY. Review. Series 8: Economics, Philosophy]. Vol. 19, no. 2, Mar.-Apr., 1964.
Table of contents translated:
Tokaev, M.Kh. - Economic nature and the source of public consumption funds. p. 3.
Grebnev, A.I. - Correlation and interdependence of production and consumption during the large-scale building of communism. p. 15.
Gubin, B.V. - Soviet firms and improving the administration of production. p. 27.
IAmashev, V.A. - The end product of construction and its cost. p. 38.
Vasiutin, V.A. - "Mechanism" of the development of theoretical cognition. p. 48.
Berezhnoi, N.M. - Criticism of some modern falsifications of K. Marx's social determinism. p. 60.
Mamedov, K.V. - Labor resources of the collective farms of Daghestan and how to use them efficiently. p. 74.
Diusenov, M.S. - Idea of social equality in Sultan-Makhmud Toraigyrov's work. p. 82.

Vol. 19, no. 3, May-June 1964.
Table of contents translated:
Sokolov, M.M. - Economic fertility of the soil and the intensification of agriculture; the results of the December 1963 and February 1964 Plenums of the Central Committee of the CPSU. p. 3.
Shmonin, I.A. - Basic economic principles of planning planting acreage. p. 13.
Krasnopolas, IU.I. - Efficient organization of agricultural production in the supply zone of a sugar factory; using the example of sugar factories in Krasnodar Territory. p. 21.
Polianskii, F.IA. - French reformism and problems of the economic policy. p. 34.
Oruzheinikova, S.V. - Logical significance of categories. p. 48.
Petrov, IU.A. - Several logical and philosophic problems of the abstractions of infinity. p. 59.
Zheinov, M.V. - Criticism of the neo-Thomist philosophy of nature. p. 73.
Alekseev, P.V. - Why the union between philosophy and natural history is necessary. p. 85.
Kurochkin, N. - Studying the process of thinking; based on the conference materials of the academic council. p. 89.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1964.

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1964.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 41, no. 6, June, 1964.
Table of contents translated:
Notkin, A. - Increasing the economic efficiency and basic proportions of developing the national production in the new five-year plan. p. 1.
Kudriavtsev, A. - Potentials for speeding up the development of the chemical industry. p. 11.
Solov'ev, N. - Evaluation of production in an inter-branch balance. p. 22.
Komin, A. - Application of mathematics in planning prices. p. 29.
Kaganov, G. - Using budget study data for planning currency circulation. p. 39.
Gurevich, M., Sheftel', E. - Using work schedules as a method for establishing norms for unfinished construction. p. 44.
Kozlov, O., Kogan, K. - A new system of material incentives. p. 49.
Maksimov, IU. - Improving intraplant planning where electronic computers are used. p. 56.
Volovich, P., Etkin, E. - Eliminate temporary price deficiencies. p. 60.
Popov, N. - Planning and the expenditure of wage funds on state farms. p. 63.
Semenov, V. - Use and repair of machinery on state farms. p. 68.
Peneva, B. - Working out a machinery and equipment cost balance in the People's Republic of Bulgaria. p. 75.
Utkin, E. - Planning problems in the liberated countries of Asia and Africa. p. 81.
TSirlin, L. - Prices of the world capitalist market. p. 90.
In the State Planning Commission of the U.S.S.R. p. 93.
In the National Economic Council of the U.S.S.R. p. 94.
From the editor. p. 95.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Economics]. Moscow, vol. 7, no. 1, 1964.
Table of contents translated:
Sheenkov, R. - Upsurge of mineral fertilizer production and problems of further increasing its profitability. p. 3.
Ligai, N. - Economics of gas supply based on various types of fuel gases. p. 13.
Gavrilov, V. - Developing the chemical industry in the countries participating in the Mutual Economic Assistance Council, and the socialist international division of labor. p. 20.
Emel'ianov, A. - Economic nature of monetary wages on collective farms and conditions for introducing it. p. 29.
Vasil'ev, P., Shirkevich, N. - Budget income of the Union Republics and its distribution. p. 40.
Andrievskaia, V. - State monopoly control of agriculture in the United States. p. 51.
Drozdov, V. - Modern bourgeois economics in the "struggle with gold." p. 58.
Bychkov, P. - Development of the national economy and culture in the socialist countries of Europe. p. 68.
Motylev, V. - Causes of imperialistic "integration" in Western Europe. p. 78.
Improve forms and methods of instruction. p. 88.
Shkarednyi, I. - Developing students' creative activity. p. 91.
Vikulov, A. - Preparing and conducting seminars. p. 95.
Suleimanov, O. - Seminar studies in the evening departments of institutions of higher learning. p. 99.
Zolotarev, M. - Content and structure of a course in "Finance and credit of the U.S.S.R." p. 105
Kuznetsov, V. - Fruitful discussion. p. 108.
Golubnichii, I. - In the Section of Economics. p. 114.
Davydov, V. - Apply mathematics in agricultural economics research. p. 115.
Academic-production conference on improving economic work. p. 118.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 21, no. 6, June 1964.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of TSentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, no. 6, 1964.
Table of contents translated:
The Soviet statistician is an active participant in the building of communism. p. 3.
Volodin, V. - Problems in the economics of irrigation farming. p. 9.

Kossov, V., Mints, L. - Several results of working out the interbranch balances for the Baltic Economic Region. p. 16.
Kobsev, I. - The census of population in Finland. p. 26.
Tolkushkin, V. - Calculating public dining price indices. p. 32.
Shatunovskii, I. - A "down curve." p. 43.
Anisimov, S. - How the work is organized in the Uryupinsk Territorial Auditing Office. p. 46.
Goncharov, N. - Introduce statistics to the masses! p. 49.
Pugach, G., Shevich, V. - Council for the aid of accounting and reporting. p. 50.
From letters and notes received by the editor. p. 51.
Alakhov, B. - Overall machine accounting on a state farm. p. 54.
Karpov, I. - Compilation of original accounting should be adjusted to machine processing. p. 64.
Dubenetskii, N. - "Balance of production and the distribution of agricultural production; method of compilation" by L. I. Egereva. p. 67.
Nasimov, A. - "National economy of the Tajik S.S.R. in 1962." p. 70.
Statistical problems discussed in newspapers and journals. p. 72.
Nagirniak, P., Simchera, V. - Conference on the reproduction of the gross national product and national income in the Union Republics. p. 74.
G. P. - In the Statistical Section of the Moscow House of Scholars. p. 79.
Mit'kina, L. - Conference on agricultural statistics. p. 84.
Novokhatskii, A. - Plenum of the Central Committee of the Trade Union of Government Employees. p. 87.
E. P. - Conference of the readers of the "Vestnik statistiki" journal in Riga. p. 87.
Achievements in the national economy of Poland for 20 years. p. 90.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May, 1964.

Table of contents translated:

Gaponenko, G. - Material self-interest is the most important condition for an upsurge in agriculture. p. 3.
Morozov, V. - Fundamental tasks in the intensification of agriculture. p. 12.
Basistov, A. - Economic incentives for the introduction of new machinery. p. 23.
Kokushkin, V. - The Leningrad industry in an effort for technological progress. p. 35.
Orlov, IA. - Several problems in improving the quality of consumers' goods. p. 44.
Budaragin, V. - Correlation between the supply and demand as a factor in price determination. p. 54.
Nikolashkin, A. - Ways to improve the method of price determination for mineral fertilizers. p. 64.
Karliuk, I. - On agricultural machinery prices. p. 75.
Usievich, M. - Several problems in the economics of the world socialist system. p. 84.
Gertsovich, G. - Planning and material stimulation of industrial production in the European people's democracies. p. 93.
Zakharov, S. - Method and algorithm for calculating prices in electronic computer centers. p. 106.
Mstislavskii, P. - Methodology for establishing the optimal proportions of the national production of the means of production. p. 119.
Sheiman, K. - Comprehensive study of transportation and economic relations in the national economy of the U.S.S.R.. p. 131.
Kogan, E. - Economic literature for the masses. p. 135.
Kanygin, IU. - Accounting for combined capital investments. p. 138.
Ivanova, R. - On the problem of the specialization of agricultural production. p. 143.
Sheviakov, F. - Study on the methodology of planning and the economic basis of national economic plans. p. 149.
Popova, L., Sobolev, IU. - Developing a new accounting form for the management and administration of the U.S.S.R. industry. p. 153.
Fedorovich, M. - Seminar on teaching the methods of using mathematics and computing machines in economic calculations. p. 157.

No. 6, June 1964.

Table of contents translated:

Arzumanian, A. - Problems of developing economics and economic education. p. 3.
Pustovalov, I. - Creative work is the basis of the communist education of the people. p. 19.
Bunich, P. - Planned indices and the economic incentives for the efficient use of capital assets. p. 28.
Zverev, A. - Role of state budget in the distribution of the national product and national income. p. 44.
Kassirov, L. - Problems of the material incentives of labor on collective farms. p. 53.
Martinkevich, F. - Evaluating the results of administrative operation on collective and state farms. p. 64.
Dubinskii, I. - Ways to improve the efficiency of production in the countries participating in the Mutual Economic Assistance Council. p. 74.
Khavina, S. - Criticism of the bourgeois theory of the "Central economic administration." p. 87.
Gusev, V. - Compiling interbranch balance in physical terms. p. 100.
Manevich, E. - Several problems of distribution according to labor at the present-day stage. p. 109.
Solov'ev, A. - Book on the intensity of socialist labor. p. 120.
Tiukov, V., Kotov, V., Koldomasov, IU. - Problems of planning the national economy of the U.S.S.R. p. 123.
Klimenko, K., Fatova, L. - Useful source of scientific information. p. 128.
Vorob'ev, IU. - Fabrications of bourgeois economists about socialist industrialization in the U.S.S.R. p. 131.
Polner, L. - Work practice of economists-volunteers in the Rudnyy Altai. p. 136.
Evstigneev, R. - Business accounting in the European people's democracies. p. 139.
Minin, M., Popov, N. - Ways to improve wages of managerial workers and specialists on state farms. p. 147.
Studying the problems of economic competition between the two systems. p. 153.
Artemov, IU. - In the Research Institute of Finance. p. 155.
Economic conference of the enterprises of the Moscow City Economic Council. p. 159.

c. FINANCE

DEN'GI KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 22, no. 5, May 1964.

Table of contents translated:

Puzenkova, A. - Make all efforts to solve the problems set by the party. p. 3.
Matveev, G., Mezhiborskaia, S. - Issuing credit to trade organizations following the new procedures. p. 12.
Faktorovich, A. - The Bank's aid to collective farms in their planning and economic work. p. 18.
Agadzhanov, N. - Control over the use of advanced payments by collective farms. p. 23.
Sukhova, K. - Financing of capital investments from disbursement, budget and current accounts. p. 28.
Spasskii, A. - Control over the safety of working capital. p. 33.
Achievements of the communist labor movement. p. 36.
We are helping to improve trade:
  Piletskii, I., Rudenko, A. - Bank control in operation. p. 41.
  Zinkevicius, I. - Our work methods. p. 44.
Antonova, A. - Transfer the economically weak collective farms to a monetary wage system. p. 48.
Shmyrin, K. - Mobilizing ones funds to finance capital investments. p. 51.
Ermakov, B., Kaplan, N. - Using the State Bank credit. p. 53.
Valishin, O. - Efficiency of bank control. p. 54.
Petrova, A. - Training personnel for machine accounting. p. 56.
Naipak, M. - On improving training practice. p. 58.
Tarakanov, F. - For a wider use of accounting machines. p. 58.
Zhabrovets, A. - Machine accounting in savings banks. p. 61.
Letters from our readers. p. 62.
For improving economic work standards and increasing control through the ruble. p. 67.
Ivailo Nikolov, Georgi Sotirov. - Issuing a short-term credit to labor cooperative farms by the Bulgarian National Bank. p. 73.
Krasavina, L. - French franc area at the third stage of the general crisis of capitalism. p. 80.
Brief information on foreign exchange and banks abroad. p. 89.
In the Board of Directors of the State Bank of the U.S.S.R. p. 93.
Conference on economic work. p. 94.

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 38, no. 5, May 1964.

Table of contents translated:

Editorial: Develop the communist labor movement in every way possible. p. 3.
Kim, I. - Financial organs of Kazakhstan in an effort to fulfill the budget. p. 7.
Kartashova, K. - Problems of currency circulation in the work of financial organs. p. 14.
Kabko, G. - On the review of the wholesale prices for food and light industry products. p. 20.
Put the potentials of chemistry in the service of the national economy:
  Dukel'skii, D. - Give more concern and attention to the construction of chemical industry enterprises. p. 23.
  Lysenko, I. - We are inspecting and helping. p. 27.
  Aizinov, I. - Achievements and obstacles. p. 29.
Bromberg, G. - List prices for the production of housing construction combines. p. 31.
Mikhailin, P. - Improve the relationship between collective farms and the budget. p. 30.
Korneeva, P. - Branch characteristics in establishing norms for working capital. p. 38.
Kononov, D. - We are transferring to new norms. p. 44.
Strengthen financial service in enterprises:
  Knopov, G. - Control is the main thing. p. 47.
  Diadiukin, M. - More efficiency. p. 49.
  Khannanov, K. - Financial service is an important section of an enterprise. p. 50.
  Makarov, N. - Several remarks. p. 51.
  Sotnikov, N. - The department's structure and personnel. p. 51.
For economy and thrift:
  Vdovina, L. - The budget department prevents waste. p. 52.
  Valeev, G. - We are responsible for the grain safety. p. 56.
  Zenkov, N. - Take good care of the people's kopeck. p. 57.
  Golovachev, G. - Pave the way for public control on state farms. p. 58.
  Kauger, V. - The region's budget and local economy p. 60.
  Vasiliuk, S. - We are consolidating local budget basis. p. 61.
  Kuznetsov, I. - State Insurance Administration needs a good advertisement. p. 62.
  Sergeeva, V., Semenova, I. - Advantages are obvious. p. 65.
Based on the participation of volunteers; a review of articles and correspondence received by the editor. p. 66.
Replies to the editor. p. 70.
Aleksandrova, A. - Work conscientiously. p. 71.
Mitel'man, B. - Methods of establishing norms for the working capital of chemical industry enterprises. p. 74.
Vershinin, A. - Monograph on the analysis of the administrative operations of industrial enterprises p. 80.
Simonov, A. - For auditors' aid. p. 83.
In the Research Institute of Finance. p. 85.
Studying finance in the institutions of higher learning. p. 88.
In the Collegium of the Ministry of Finance and the Presidium of the Central Committee of the Trade Union of Government Employees. p. 90.
The Second Plenum of the Central Committee of the Trade Union of Government Employees. p. 91.
Conference of the activist group of financial workers. p. 92.
Conference of the readers of "Finansy SSSR" journal in Novosibirsk. p. 95.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 7, no. 6, June, 1964.

Table of contents translated:

All enterprises should share the practice of progressive workers. p. 1.
Btemirov, I. - Let's move in step with the time. p. 3.
Selivorstov, P. - Public control and industrial hygiene. p. 5.
Let's raise the organization of health resorts to an exemplary level. p. 6.
Gazlev, I. - What an inspector should be like? p. 9.
Kurochkin, I. - Beacon lights of Kuznetsk Basin. p. 11.
Khmeleva, V. - Sick rate is decreasing. p. 13.
Agaev, O. - Let's line up with the best! p. 17.
Osipov, I. - On a wood lot without accidents. p. 18.
Miliaev, V. - Results of three years. p. 19.

Nikolina, N. - How to handle toxic chemicals during field work. p. 23.
Shchel', V., Krasnopevtsev, Yu., Mattis, B. - An ounce [illegible] p. 26.
Bogdanov, V. - Example of the Red Ural plant workers. p. 27.
Kvaltov, V., Tankovskii, V. - At the oldest plant. p. 29.
Shubnikov, B. - With the help of patrons. p. 30.
Editor's mail. p. 34.
Blahlov, V. - Position that has [illegible] p. 32
Kozlovskaia, A. - Where the help [illegible] p. 35.
Reshin, P. - What an auditing committee should know. p. 37.
Beleva, M. - Industrial safety and industrial hygiene in welding. p. 38.
Compensation for damages sustained by workers and employees. p. 40
Editor's mail. p. 43
Filigenov, E. - Individual shaft [illegible] aggregates. p. 45.

SOTSIALISTICHESKII TRUD (SOCIALIST LABOR), issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy (State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems), Moscow, vol. 9, no. 5, May 1964.
Table of contents translated:
Editorial - In the interest of the building of communism. p. 3.
Kunel'skii, L. - Increasing labor productivity and wages. p. 8.
Chugaev, V. - Experimental application of the new system of [illegible] engineering and technical workers and employees in industry. p. 17.
[illegible], L. - [illegible] and wages on a state farm. p. 30.
Shvetsov, M. - Wages in the [illegible]. p. 29.
Antonov, B. - The department of labor organization and its rights and duties. p. 42.
[illegible], A. - [illegible] p. 55.
Marusalov, A. - [illegible] labor [illegible] p. 57.
[illegible], L. - Improving the organization of labor and administration in a plant. p. 59.
Sachkov, D., Mironov, I. - Method of [illegible] p. 67.
Savitskii, N. - [illegible] wages. p. 70.
Vlasov, D. - A classification of industrial conditions by [illegible]. p. 72.
Pogozhev, A., [illegible] p. 81.
Markov, N. - Methodological approach for the [illegible] p. 87.
[illegible] p. 92.
Exchange of progressive practice [illegible] in the Middle Urals Economic Region. p. 96.
New methods developed in the Research Institute of Labor [illegible] p. 98.
"Work for four hours [illegible] a system of improving [illegible] p. 99.
Karlashov, A. - [illegible] p. 103.
[illegible], F. - [illegible] p. 109.
[illegible] p. 112.
Lomp, [illegible] p. 115.
Shipkov, L. - Is it possible to agree with [illegible] suggestion? p. 120.
Malashkov, V. - What norms are necessary during the mastering period of new production. p. 123.
Polishev, V. - Work organization in a section. p. 125.
Voskoboinikov, A. - Computing the wage fund. p. 128.
Follow up of our materials. p. 131.
Shirokov, G. - Wages and bonuses in construction workers. p. 133.
Experience in [illegible] workers with [illegible] p. 135.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p. 140.
Economic conference of [illegible] workers. p. 141.
Survey of labor legislation and judicial practice. p. 143.
Sukharevskii, L. - Division of labor and transition to communism. p. 149.
Zakharov, F. - Important potential of labor efficiency in agriculture. p. 151.
Zlobinec, A. - Organization of work in the agricultural production cooperatives of the German Democratic Republic. p. 154.
Foreign journals on the mechanization of administrative work. p. 156.

Vol. 9, no. 6, June 1964.
Table of contents translated:
Mironenko, A. - Man is honored according to his work record! p. 3.
Kuznetsov, L. - The labor department and regular production flow. p. 7.
Improving planning systems. p. 15.
Ulanov, M. - Preparation in a regional economic council. p. 16.
Dikanov, V. - Indices, norms and the wages fund. p. 24.
[illegible], V. - Experiment and research work in an enterprise. p. 32.
[illegible], A. - Teaching lessons to workers for production quality. p. 37.
Lenev, B. - Scientific labor organization and engineering psychology. p. 42.
Vasil'ev, L. - Mechanization of administrative work in enterprises. p. 48.
[illegible], L. - Plant and machine time accounting station. p. 53.
[illegible], A. - A collective [illegible] operation and production planning. p. 59.
[illegible], N., Lukashova, F. - Supply the chemical and petrochemical industries with efficient norms. p. 66.
[illegible], N., Kostrov, A. - The [illegible] organization of the petroleum and gas industries in 1959-1962. p. 75.
Closer to the needs of production. p. 84.
[illegible], M. - Establishing norms for auxiliary work on the basis of [illegible] labor involved in the remodeling of machines. p. 89.
Mostovskii, M. - Modern methods for establishing work norms in capitalist enterprises. p. 94.
[illegible], A. - Improve the system of funding for wages. p. 100.
[illegible], B. - What is the most effective wage system for the [illegible] workers? p. 113.
[illegible], V., Zaitsev, S. - Physical indices and production quality. p. 117.
[illegible], N. - Main conditions for the [illegible] of [illegible] labor. p. 122.
[illegible], P. - Systematic labor [illegible] increasing its productivity. p. 126.
Antonova, L., [illegible], Z., Pogosyan, N. - The wage schedule and the establishment of work norms. p. 132.
Wages and bonuses to engineering-technical [illegible] p. 136.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p. 139.
Accounts [illegible] administrative work in the [illegible] p. 142.
Results of the All-Union competition for the best work on labor organization and the establishment of technical standards. p. 145.
Survey of labor legislation and judicial practice. p. 146.
Meeting with the readers of "Sotsialisticheskii trud" journal. p. 154.
[illegible], V. - Collection of time norms for [illegible] p. 159.
[illegible], V. - Labor and wages in [illegible] capitalist countries. p. 152.
[illegible], S. - Using labor intensity [illegible] for planning. p. 155.
Foreign journals on the mechanization of administrative work. p. 158.
New books. p. 159.

SOVETSKIE PROFSOIUZY (SOVIET TRADE UNIONS), issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuzov (All-Union Central Council of Trade Unions), Moscow, vol. 20, no. 9(291), May 1964.
Table of contents translated:
Pereslavl', V. - Cherish [illegible] practice among people. p. 3.
Letters from trade-union committees and production [illegible]. p. 5
Mosarevich, I. - Papers won't produce harvest. p. 6.
In the All-Union Central Council of Trade Unions. p. 8
Kosenkov, I. - Regular as well as active. p. 10.
News from the [illegible] front. p. 12.
Pioneers are greeted with a resounding joy. p. 14.
Mel'nikov, L. - How is your dinner? Good? p. 16.
Kotova, N. - [illegible] p. 18.
Service to the consumer is a common concern. p. 20.
Kryukovskii, I. - The kids shall have their housewarming. p. 21
Fradkina, A. - Controllers inspect [illegible] p. 22.
Vaskovskii, M. - Fishing by light; a photoreport. p. 24.
A school of knowledge and practice. p. 26.
Zhavoronkov, V. - Training in beauty. p. 28.
Poponin, Yu. - This is not only the court case. p. 30.
Facing comrades. p. 32.
Chechin, V. - Stepan Koz'mich; a sketch. p. 34.
From the editor's mail. p. 35.
Poggel, Günter. - Stages of a great path. p. 36.
Ivanov, B. - There are new battles ahead! p. 38.
Shtykanov, Yu. - The Singapore workers are on strike. p. 40.
Korolkov, V. - The adolescent in production. p. 42.
Replies to our readers. p. 45.
Letters from the editor. p. 45.
New standard regulations. p. 46.
Zolina, Z. - Work and rhythm. p. 47.
Lilienthal', A. - Tournament of "stars" in Holland. p. 48.

Vol. 20, no. 11(293), June 1964.
Table of contents translated:
Voronin, P. - Save and multiply the national property. p. 3.
In the All-Union Central Council of Trade Unions. p. 5.
Disseminate progressive practice among all workers. p. 6.
Dinner in the field. p. 7.
Vasil'ev, Yu. - Are individual pledges necessary? p. 8.
Agaev, V., Trekhanov, A. - Education in a creative process. p. 10.
Abdurgeney, K. - Your friends are at your side. p. 13.
Grebenkin, A. - People of unexhaustible inventiveness. p. 14.
Shmygin, V. - Joy is a hostess here; a photo report. p. 16.
Mironova, R. - To punish? No, to help! p. 18.
[illegible], Yu. - Main house in the village. p. 19.
[illegible], A. - The party's reliable support in the struggle for communism. p. 21
[illegible], L. - [illegible] p. 22.
Matveev, L. - Plan conceived by the collective. p. 24.
[illegible], V. - Daily accounting for the results of competition. p. 25.
[illegible], V. - In order to make use of the innovation. p. 27.
[illegible], V. - The science of ruling; from a diary of a president of the mining committee. p. 29.
[illegible], N. - Two plans are fulfilled. p. 30.
How to make higher [illegible] tools. p. 32.
[illegible], Yu. - [illegible] p. 34
[illegible], N. - [illegible] p. 36.
Shilin, V. - [illegible] p. 38.
Malinovskii, D. - "The [illegible] world is beautiful..." p. 40.
[illegible], V. - Friendship [illegible] p. 42.
New standard regulations. p. 44.
[illegible], V. - [illegible] p. 44.
Replies to our readers. p. 47.
Letters from the editor. p. 48.

Vol. 20, no. 12(294), June 1964.
Table of contents translated:
Karpovich, V., Seliverstov, E. - Use a high speed method for grain harvesting. p. 3
The workers [illegible] in the public dining rooms. p. 3.
[illegible], A. - A progressive and innovative attitude is the main thing. p. 4
Nesterenko, M., Kargov, IA. - Progressive practice and local variants. p. 6.
Snegirevich, G. - The machine operator is a production organizer. p. 8
Karpukhin, I., Zonin, V. - On a transformed land; a photo report. p. 10.
Prianykh, IA. - If this is happiness ... p. 12
[illegible], M. - How we prepare for a conference. p. 14
Ul'yanov, I. - The regular working production conference. p. 17
Isaev, A. - Volunteers took over the control. p. 18.
Ural'skii, V. - The trade-union committee together and advises. p. 20
Ashmarova, N. - The teacher's job and duty. p. 22.
Kruglikov, V. - The mittens; a story. p. 24.
Margolis, L. - Technology knocks at the door of [illegible]. p. 26.
[illegible], A. - Characters and fates. p. 29.
From the editor's mail. p. 30.
Pokrovskii, G. - Eliminate deficiencies while checking. p. 32.
Without asking the approval of the plant committee... (based on letters to the editor). p. 34.
Karabet'ianov, I. - Contracts, evasions, and finally action! p. 35.
Sharapov, G. - Workers' struggle for the unity of the international labor movement. p. 38.
Kryuchkova, N. - In order to make life happier and more joyful. p. 42.
Korolkov, V. - Supplementary leaves. p. 43.
New standard regulations. p. 44.
Dmitr'ko, A. - Rest in health resorts. p. 45.

Liliental', A. - Chess. p. 48.
Satire and humor. p. 49.

Vol. 20, no. 13(295), July 1964.
Table of contents translated:
[illegible] great innovations in production. p. 2.
In order to please man. p. 3.
Zenkin, P. - Develop and introduce. p. 4.
Galitskii, V. - Strive to accomplish in production what you succeeded in doing in the laboratory. p. 7.
Every minute counts at harvest time. p. 9.
Tikhonov, I. - Science and work go hand in hand. p. 10.
Andreeva, G. - The more you do the more you will be paid for. p. 12.
Tatarskaia, N. - Experience and search. p. 14.
Karpov, IA. - The industrial plant reaches out into the forest. p. 17.
On the agenda is a talk about good service. p. 20.
Zenin, V., Antonov, V. - Costlier than a diamond; a photo report. p. 24.
Likhachev, V. - Let us have more housewarmings. p. 26.
Laletin, A. - Valuable initiative of the Kazan medics. p. 27.
Volodin, V. - When evening descends upon the village. p. 28.
Kalinnikov, T. - Activists are cultural front guards. p. 30.
To teach means to educate. p. 32.
Proshko, IA. - Legal advice offered by volunteers. . . p. 36.
Shapiro, S. - Museum of the glory of labor. p. 36.
Sennikov, V. - How we benefit from the plant fund. p. 37.
Tadzhibaev, K. - Ibragim Ataev's second occupation. p. 37.
Stanke, L. - The nationwide movement. p. 38.
Makukhin, E. - Unity is forged in the struggle. p. 39.
Replies to our readers. p. 41.
Snigireva, I. - Work and rest of airline workers. p. 42.
Letters from the editor. p. 45.
Follow-up of our materials. p. 46.
Sergovantsev, N. - Under the tune of "Tronka." p. 47.
Satire and humor. p. 48.

VSEMIRNOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirnaia federatsiia profsoiuzov [World Federation of Trade Unions]. Moscow, no. 5, May, 1964.
Table of contents translated:
Hernio, Robert, Zakaria, Ibrahim. - Let us strengthen the Afro-European solidarity. p. 1.
For the national and international unity of trade-union actions. p. 3.
Saillant, L. - Only unity can guarantee the victory of the working class. p. 8.
Saillant, L. - Raise higher the banner of the W. F. T. U. p. 9.
Opinon forum; statements by V. V. Grishin and others. p. 11.
Zakaria, Ibrahim. - A powerful demonstration of the solidarity of the working class with the people of South Africa. p. 20.
V. A. - Repressions continue. p. 22.
Davson, Olaf. - Who profits from the "Block solution?" p. 24.
Decisions of the Executive Committee of the W. F. T. U. p. 27.
Carbajal, Felisa. - Women workers under the Franco regime. p. 28.
Deshpande, Roza. - Women workers get organized. p. 30.
Knothe, Margit. - The Leipzig Fair is a vivid example of trade without discrimination. p. 33.

VSESOIUZNYI TSENTRAL'NYI SOVET PROFESSIONAL'NYKH SOIUZOV. Sbornik postanovlenii [ALL-UNION CENTRAL COUNCIL OF TRADE UNIONS. Decisions]. Moscow, Oct.-Dec. 1963, publ. 1964.

e. SOCIOLOGY

AZERBAICHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 5, May 1964. [In Azerbaijani]

KLUB [THE CLUB]. Organ of Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 13, nos. 9-10, May 1964.

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 10, 12, May-June 1964.

NOUKOGUDE NAINE [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no. 6, June 1964. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 6(142), June 1964. [In Latvian]

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 41, nos. 10(888)-13(891), May-July 1964.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R. S. F. S. R.]. Moscow, vol. 25, no. 3, Mar. 1964.
Table of contents translated:
Aralov, V. - Let's carry out the decision of the party. p. 2.
Tret'iakov, A. - First results. p. 6.
Nazarov, A. - Authority of Raisa Afanas'evna. p. 12.
Il'nitskaia, G. - Happy mothers. p. 15.
Sivakov, A. - Indefatigable old-age. p. 16.
Kulikova, N. - Women's workshop. p. 18.
Popov, A. - Women came to their assistance. p. 20.
Alekseev, A. - Conscientious work. p. 22.
Trusova, A. - Altruistic help. p. 22.
Volunteer workers of Ryazan take the floor. p. 26.
Shchegolev, A. - Pensions to the collective farmers of the Moscow region. p. 28.
Lebedev, V. - Pension payments at a plant. p. 30.
Petrov-Denisov, E. - One more innovation. p. 32.
Karmakov, V. - We are taking the new hurdles. p. 34.
Vdovin, V. - We need oncological disability evaluation committees. p. 37.
Andreeva, N. - Special workshop; its successes and troubles. p. 38.
Karaseva, N. - People come to learn from them. p. 41.
Burenkov, M. - Some critical remarks. p. 44.
Aleksakhin, M. - Tenth anniversary of the Ivanovo technical school. p. 45.
Chemistry is in our service. p. 46.
Sanin, V. - New articles for invalids. p. 49.
Semidetova, P. - Terms should be revised. p. 50.
From the Board of the Ministry. p. 52.
Kochnov, S. - Vacations for workers in the homes for the aged and physically handicapped; their working day. p. 54.
Questions and answers. p. 59.
Tivanov, V. - Fascists get the jackpot and workers a pittance. p. 61.

SOVETSKAIA ZHENSHCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [Committee of Soviet Woman and the All-Union Central Council of Trade Unions]. Moscow, vol. 20, no. 7, 1964.

SOVETSKII KRASNYI KREST [SOVIET RED CROSS]. Organ of Ispolnitel'nyi komitet Soiuza obshchestv Krasnogo kresta i Krasnogo polumesiatsa SSSR [Executive Committee of the Association of Societies of the Red Cross and Red Crescent of the U.S.S.R.]. Moscow, vol. 14, no. 3(75), May-June 1964.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no. 5, 1964.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 9, May 1964.
Table of contents translated:
Building of communism in the U.S.S.R. and the development of agriculture; the eighth volume of N. S. Khrushchev's reports and public addresses on the problems of agriculture. p. 2.
Editorial: the principal link. p. 3.
For the unity of the international communist movement on Marxist-Leninist principles. p. 6.
Vezirov, Kh. - Fraternal peoples. p. 11.
Blinov, A. - Successors to a great initiative; 45th anniversary of the first mass communist voluntary labor. p. 15.
Portnov, K. - Heroes of the Black Sea region; 20th anniversary of the liberation of Sevastopol from the fascist occupants. p. 17.
Franck, Jiri. - Czechoslovakia today. p. 19.
Waach, Guenther. - Beacon in the farmlands of the G.D.R. p. 22.
Mikhailov, S. - Continent in flames. p. 24.
Mostovets, N. - We are with you, comrades. p. 25.
Let's efficiently utilize each hectare; propagandist A. Kuz'menko's talk. p. 27.
Burov, B. - First shoots. p. 31.
Mustafaev, S. - Propagandist from Palandar village. p. 35.
Sdobnov, S. - Public consumption funds. p. 37.
Sidlauskas, A. - "Miracles" of Roman Catholic priests. p. 40.
Liaptsev, V. - Two seven-year plans in five years. p. 43.
Karliuk, I. - Let's skillfully utilize technology. p. 46.
Dolinskii, E. - School of communist labor. p. 50.
Tret'iakova, T. - True heights. p. 53.
Zaitsev, N. - Always on guard; on the occasion of Border Guards Day. p. 56.
Cherniavskii, V. - Center of revanchism. p. 58.
Hit the nail on the head. p. 60.
Letters, information, commentaries. p. 63.
Golovushkin, T. - Vladimir Orlov does his agitator's work by deeds. p. 64.

No. 11, June 1964.
Table of contents translated:
Editorial: Let's improve the organization of ideological work. p. 3.
"For the victory of reason over the forces of war." Collection of N. S. Khrushchev's speeches, talks, and answers. p. 6.
Egorychev, N. - Educate those who are to form our new life. p. 9.
Solodovnikov, A. - Defeats of imperialism in the battle of ideas. p. 14.
Firmly defend the unity and principal line of the world communist movement; from the policy statements of Marxist-Leninist parties. p. 16.
Increased role of museums in the communist education of workers. p. 21
Kamshalov, A. - Resolute advance of the Soviet youth. p. 22.
Popkov, N. - New work methods in residential areas. p. 25.
Mamchenko, M. - Councils of workers' honor. p. [illegible]
Misnik, O. - Concretely and directed to a goal. p. 32.
Lobodova, A. - Searches and findings of agitators in the "Skorokhod" plant. p. 30.
Kirillova, N. - Let's learn to calculate! p. 38.
Konstantinov, I. - Joining the world of the beautiful. p. 42.
Lachimov, M. - The road to success. p. 44.
Bazhenov, M., Kliushin, G. - Pluses and minuses of the periodical "Bloknot agitatora." p. 48.
Bostuzhev, P. - Systematically introduce the new and advanced. p. 50.
Iordanov, I. - Do your job, glory and pay will come after. p. 53.
Petrov, I. - Our neighbors in the North. p. 57.
Fomina, A. - The hostess of a village club. p. 60.
Hit the right nail on the head. p. 62.
Lines from our mail. p. 64.

BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK]. Issued by Ideologicheskii otdel TsK KP Belorussii [Ideological Section of the Central Committee of the Communist Party of White Russia]. Minsk, no. 32, Nov. 1963.

BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK]. Organ of Ideologicheskie otdely Leningradskikh promyshlennogo i sel'skogo obkomov i gorkoma KPSS [Idealogical Sections of the Leningrad Province Industrial and Agricultural Committees and the Leningrad City Committee of the Communist Party of the Soviet Union]. Leningrad, vol. 24, no. 28, Oct. 1963.

BOR'BA [THE STRUGGLE]. Organ of Soiuz bor'by za osvobozhdenie narodov Rossii [Union of the Struggle for the Liberation of the Peoples of Russia]. Munich, no. 69, June 1964.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 20, no. 6, June 1964. [In Estonian]

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 38, nos. 5-6, May-June 1964. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 38, no. 1, Jan. 1964.

Table of contents translated:
Editorial: Overcoming the remnants of the past is the task of the present. p. 3.
Polozov, N. - What do the reports and elections in primary party organizations show? p. 9.
The course towards the chemicalization of the national economy. p. 15.
Liatochevskii, E. - Construction works for the large-scale chemical industry are in the center of attention. p. 20.
Zelenkevich, A. - The most important condition of production growth. p. 25.
Pavliuchenko, A. - Scientific communism is the constituent part of Marxism-Leninism. p. 29.
Taratkevich, M. - Intellectual wealth of the Soviet man. p. 35.
Sikorskii, V. - Strategic and tactical problems of the world communist movement. p. 41.
Sabashov, S. - Exploit all forms of antireligious work. p. 49.
News in ideological work. p. 54.
Shibalis, M. - Develop collectivism and comradely mutual help. p. 56.
Golynchik, I. - In our university. p. 61.
For the notebook of the propagandist. p. 63.
Kotos, A. - This is how trust is built. p. 67.
Kononov, G. - Research on an important subject. p. 73.
People, events, dates. p. 77.
Readers of our journal have the floor. p. 80.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 20, no. 6, June 1964.

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 5, no. 3, Mar. 1960.

Table of contents translated:
Editorial: Fulfill the program of the second year of the seven-year plan ahead of time. p. 3.
Bodiul, I. - Fuller utilization of the increase potential of animal industry output. p. 7.
Klevakin, S., Pascar, L. - Fulfilling Nikita Sergeevich Khrushchev's instructions and counsels. p. 18.
Grekul, I. - Our friendship is indissoluble; Russian Moldavian cultural contacts. p. 22.
Shekhvatov, B. - V. I. Lenin's historical role in training the leadership set of the Soviet state. p. 30.
Bordovitsyn, A. - Against blind faith in the strength of one's own decisions. p. 42.
Sokolova, E. - Approach everyone individually. p. 44.
Galiuk, I. - There should be no discrepancy between words and deeds. p. 49.
Golodneva, V., Zhuravleva, K. - Improvement of propagandist's skills. p. 53.
Chibotaru, S., Korbu, Kh., Sepunaru, Z. - On a big scale. p. 55.
Korolev, K. - Some aspects of theatrical life. p. 66.
Krachun, A - First steps. p. 74.
Kapiunenko, F., Kovchegov, P. - Closer contact with life. p. 76.
Vartichan, I. - Let's prepare qualified specialists. p. 78.
Perlin, IU. - Facilitate educational work in the field of sciences. p. 79.
Klimenko, V. - This is prompted by life. p. 81.
Lecture series on Lenin. p. 83.
New books. p. 83.

Vol. 6, no. 1, Jan. 1961.

Table of contents translated:
Editorial: The third year of the seven-year plan. p. 3.
Sidorenko, S. - A national movement. p. 10.
Buga, V. - Organizing the leisure time of youth. p. 15.
Pon'ko, K. - The problem of comprehensive utilization of natural resources in the Prut River basin. p. 22.
Kozhukhar', P., Katerberg, S. - We shall not rest on our achievements. p. 24.
Marzhin, P. - Against underrating sheep breeding. p. 27.
Lengas, P., TSatsko, I. - Reliable guard of the great achievements of the Soviet people; materials for reports and discussions on the 43d anniversary of the Soviet Army. p. 30.
Oparina, G. - Establishing norms and wages on collective farms; methodological advice. p. 36.
Shevchiuk, I. - Reducing production costs is the source of growth of social wealth; methodological advice. p. 47.
In fraternal countries: Chinese People's Republic; Polish people's Republic; German Democratic Republic; Korean People's Democratic Republic; Democratic Republic of Vietnam. p. 57.
Education of the rising generation is the principal task of the youth newspaper. p. 61.
Shirokii, V. - Life should be presented more vividly; notes on the Moldova Film Studio. p. 69.
Party chronicle. p. 77.
New books. p. 79.

Vol. 6, no. 3, Mar. 1961.

Table of contents translated:
Editorial: Raise the standard of agricultural leadership. p. 3.
Shekhvatov, B. - New developmental stage of the general crisis of capitalism. p. 8.
Engel'gardt, R. - The cause of the Paris Commune remains immortal. p. 20.
Makarov, L. - T. H. Shevchenko, the great Ukrainian revolutionist-democrat; on the centennial of his death. p. 25.
Lisniak, E. - Let's consistently implement the policy of personal interest. p. 32.
Aleksandrov, A. - Where is the past glory? p. 38.
Anikin, P. - A living, truthful word. p. 45.
Zhuravleva, K., Makarova, A. - Town conference on methodology for propagandists. p. 50.
Office management in primary party organizations; a consultation. p. 53.
Lisunov, I. - 50 centners of corn per hectare is the real objective. p. 55.
Steady development of agriculture is an all-national matter. p. 62.
Vogzharu, A. - Deputy, communist. p. 67.
Sedova, A. - All schools work on one shift. p. 73.
Bibileishvili, N. - In close touch with life. p. 76.
Svetov, N. - A pamphlet on propagandist skill. p. 78.
Party chronicle. p. 79.

Vol. 6, no. 6, June 1961.

Table of contents translated:
Editorial: Workers should be educated in the spirit of honesty and irreconcilability to shortcomings. p. 3.
For a fighting and mass oriented party propaganda. p. 7.
Antosiak, G. - Carrying out historical decisions. p. 18.
Aftenluk, G. - Expounding the achievements of science and advanced experiments will give the key to new successes. p. 27.
Pelisov, G. - Founder of socialist realism. p. 38.
Shitov, A. - Management at a distance. p. 44.
Muratov, N. - What hampers building. p. 46.
IUsim, N. - A disappointing unfinished job. p. 49.
Pirogov, I. - "To be advanced among the backward is not much of an honor." p. 51.
Korenov, A. - Bright pages of history. p. 54.
Remarkable successes of the Chinese People's Republic; materials for discussions on the occasion of the 40th anniversary of the Communist Party of China. p. 59.
National holiday of the Mongolian people; materials for discussions on the occasion of the 40th anniversary of the people's revolution in Mongolia. p. 62.
Aronov, R. - Development of contemporary ideas on space and time in physics. p. 65.
Barsukov, N. - The periodical "Kommunist Moldavii" and the party organization. p. 72.
Party chronicle. p. 80.
New books. pp. 2-3 of cover.

Vol. 7, no. 6, June 1962.

Table of contents translated:
Appeal of the Central Committee of the Communist Party of the Soviet Union and the Council of Ministers of the U.S.S.R.: To the collective farmers and their wives, workingmen and women on state farms, managers of collective and state farms, agricultural scientists and specialists, workers of production administrations for collective and state farms, party and Communist Youth League organizations and their members in collective and state farms, and all toilers in farming villages. p. 3.
The real impact area of the building of communism. p. 13.
Baskakov, S. - Great son of the Bulgarian people; on the 80th anniversary of G. M. Dimitrov's birth. p. 19.
Aftenluk, G. - Let's quickly remove the shortcomings in the utilization of irrigated soils and protection of water resources. p. 27.
Tupikov, I. - Keep a good eye on and support the new and advanced. p. 33.
Kuznetsova, A. - The avant-garde and teacher of a collective. p. 40.
Lyshko, G. - Put a full load on agricultural machinery. p. 48.
Demichev, V. - Communism and personal freedom. p. 58.
The economy and culture of Moldavia are growing; facts and figures. p. 67.
Zavtur, A. - Vigorous shoots of communism. p. 71.
Makarov, L. - "Bloody crime." p. 73.
Funika, D. - "We will turn Moldavia into a blossoming orchard of our country." p. 76.
Party chronicle. p. 78.

Vol. 9, no. 1, Jan. 1964.

Table of contents translated:
Editorial: Going the way outlined by the 22d Congress of the CPSU. p. 3.
Koval', N. - Expand the role of the chemical industry within the economy of the Republic. p. 11.
Dvornikov, P. - Under the conditions in Moldavia, irrigation is the guarantee of sustained high yields. p. 18.
Corduneanu, P. - Sober appraisal of the achieved is the condition for new successes. p. 24.
Zatsiorskii, I. - Material and technical supplies to collective and state farms have to be improved. p. 29.
Tarashchanskii, A. - Certain problems of providing pension security for collective farm members. p. 35.
Daril, M. - Quality of production and labor productivity. p. 39.
The forge of national wealth; facts and figures. p. 47.
Zavtur, A. - Moral code defining the ethical foundations of the relations between nations and peoples. p. 50.
Shilintsev, N. - Contemporary religions, their class character and social role (conclusion). p. 56.
Stukalov, G. - Methods for independent work with the book. p. 66.
Aronov, R. - Dialectics of the microworld. p. 71.
Rotaru, M. - Your supplementary income. p. 76.
"To what does unscrupulousness lead?" p. 80.

Vol. 9, no. 2, Feb. 1964.

Table of contents translated:
The 40th anniversary of the foundation of the Moldavian Soviet Socialist Republic and of the organization of the Communist Party of Moldavia; resolution of the Central Committee of the Communist Party of Moldavia. p. 3.
Editorial: The main trend in the development of agriculture. p. 11.
Stoshov, B. - Capital construction should be placed under party control. p. 16.
Mel'nik, A. - A holiday of the working women of the world. p. 22.
Stepanov, G. - A powerful means for increasing the output of animal products. p. 27.
Burmistrov, P. - Qualified workers should be assigned to chemical industries. p. 32.
Prints, IA. - Chemistry and the immunity of grape and fruit crops. p. 34.
Prasol, P. - Concrete approach is an indispensable condition of successful leadership. p. 38.
Danilenko, V. - Lenin's Fridays. p. 44.
Discussing the problems concerning the development of the national economy of Moldavia from 1966-1970; Izman, A. -- Regulate the raw material basis of the wine-making industry. p. 48.
Nemirov, I. - His life was a revolutionary exploit. p. 52.
Popovich, K. - The beloved poet of Moldavian people. p. 57.
Uvarov, V. - The moral qualities of a personality. p. 61.
Babii, A., Poltavchenko, M. - Religion and morals. p. 66.
Zhuravlev, N., Karlov, A. - A collection of documents on the formation and development of the Moldavian socialist state. p. 75.
Shtangin, N. - "People's controllers at work." p. 77.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no. 7, July 1964.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 29, no. 6, June 1964. [In Tajik]

KOMUNIST UKRAINY [COMMUNEST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, nos. 6-7, June-July 1964. [In Ukrainian]

KOMUNISTAS [COMMUNIST]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos.5(479)-6(480), May-June 1964. [In Lithuanian]

LATVIAN S.S.R. Augstaka Padome. Zinotajs [Supreme Soviet. Gazette]. Moscow, vol.22, nos.14(2052)-18(2056), Apr.-May 1964. [In Latvian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol.11, no.6, June 1964.

Table of contents translated:

Khrushchev, N.S. - Peace and peaceful coexistence. p.3.
Editorial: Spring offensive of the Soviet diplomacy. p.10.
Golovin, IU. - The U.S.S.R. and the Scandinavian countries. p.15.
Kriukov, P., Novosel'tsev, E. - On the beaten track of revanshism. p.20.
Morozov, G., Pchelintsev, E. - U.N.: Background of the "financial crisis." p.30.
Brykin, V. - New states: Conditions for independence and security. p.39.
Lockwood, R. - From the Southeast Asia Treaty Organization to a "Pacific alliance." p.48.
Slobodenko, A. - NATO's contemporary strategy. p.54.
Zelentsov, V. - South Vietnamese patriots intensify the fight. p.61.
Igritskii, IU. - The American extremists. p.67.
Valentinov, V. - Machinations of the CIA in Latin America. p.77.
Ivanov, G. - The space business and the policy of the United States. p.85.
Leont'ev, B. - The magic of figures and the real world. p.92.
Etinger, IA. - The Bonn variant of the "Peace Corps." p.100.
Kartsev, A. - A dangerous situation. p.104.
Badovskii, R. - Broad response from the whole world. p.105.
Agarkov, V. - A faithful and disinterested friend. p.106.
Orekhov, F. - The approaching storm. p.107.
Kuznetsov, N. - A striking demonstration of the will of the people. p.108.
Skorov, A. - A sally of the reactionaries. p.108.
Pavlova, M. - In an impasse again. p.110.
Egorova, N. - The grapes of wrath. p.111.
Kalt, L. - Erhard's touring of "Little Europe." p.111.
Kovalenko, K. - Victories over colonizers. p.113.
Sterkina, S. - Time for a decision. p.113.
Badano, A. - Daydreams of the neocolonialists. p.115.
Vasil'ev, IU. - We need to live in peace and friendship. p.120.
Efimov, S. - "Family quarrel" in the West German household. p.128.
Nasenko, IU. - Nonalignment, peace and economic development. p.131.
Vereshchetin, V. - Space as an arena of peace. p.134.
Brief notes on books. p.137.
Volkov, N. - Twenty years of the people's Poland. p.140.
Kuznetsov, V. - Algeria today. p.141.
Eremeev, L. - The Sixth Fleet of the United States. p.143.
Solov'ev, B. - Utilization of the waters of Jordan River. p.144.
Petrov, Vl. - British Government's Department for Commonwealth Relations and for the Colonies. p.146.
Rachkov, B. - Consultations: Organization of Petroleum exporting Countries. p.147.
Mikhailova, T. - Our atlas: Malaysia. p.149.
Propagandist's dictionary. p.151.
In the capitalist countries. p.152.
Methodological advice. p.153.
Furaev, V. - In the seminars for lecturers of international relations. p.155.
History of the establishment of diplomatic relations between the U.S.S.R. and Egypt. p.157.

NOVOE VREMIA [NEW TIMES]. Moscow, vol.21, no.13(983), Mar., 1964.

Table of contents translated:

Editorial comment. p.1.
Szymanskii, Zygmunt. - The Gomulka Plan. p.4.
Bogatov, S., Mashin, I. - Key or picklock? p.6.
Bykhovskii, B. - A battle lost in advance. p.8.
Vol'skii, D. - McNamara's Saigon equation. p.11.
Berezhkov, V. - Scanning the U.S. press: Campaign patterns. p.13.
People in the news:
Niamyn Luvsanchultem. p.15.
Problems facing Brazzaville; an interview with Charles Ganao. p.16.
Greek Independence Day. p.18.
Constantine II. p.18.
Aleksandrov, A. - The West German war crime trials. p.19.
International notes. p.22.
Kotov, M. - Finnish impressions. p.25.
Landa, R. - Travel notes from Algeria. p.27.
TSypina, Ninelle. - The French peasant; a book review. p.30.
World events. p.32.

Vol.21, no.22(992), May 1964.

Table of contents translated:

Sovremennik. - Roots of Soviet-Arab friendship. p.1.
Sergeeva, Nataliia. - Indoor America. p.5.
People in the news: Waldeck Rochet; Abdel Aziz Bouteflika. pp.8, 29.
Malov, A. - Burma's new path. p.9.
Rovinskii, L. - The futile war in South Vietnam. p.12.
Our comments. pp.14, 17.
Tarasova, Galina. - The International Miners' Conference. p.15.
Klenov, V. - Why Canada is changing her flag. p.10.
Tanner's whitewash. p.21.
Sokolnikov, G. - Bonn's expansion in Latin America. p.22.
International notes. p.24.
Orlova, Raisa, Kopelev, Lev. - "Ole Bienkopp" in Weimar. p.26.
Sidenko, V. - A gay holiday. p.30.
Nechaev, G. - Days of glory; a book review. p.31.
World events. p.32.
Resolutions of the Second Soviet Afro-Asian Peoples Solidarity Conference. Supplement. p.35.

Vol.21, no.23(993), June 1964.

Table of contents translated:

Editorial comment. p.1.
A.I. Mikoian on Soviet-Japanese relations. p.4.
Leonidov, A. - "Nonrecognition" yesterday and today. p.9.
V.S. - War in Kivu. p.12.
Sedykh, V. - The French Communist Party Congress. p.13.
Ul'ianovskii, R.A. - Nehru, architect of the new India. p.16.
Wedekind, Kurt. - The German Democratic Republic in figures. p.19.
Kichanova, Inga. - Theology and politics. p.21.
International notes. p.24.
Fish, Gennadii. - The Göteborg symphony. p.20.
Bezymenskii, L. - "Enlightened revanchism." p.29.
People in the news: Alexandre Sgourdeos. p.31.
World events. p.32.
Joint statement on conversations between N.S. Khrushchev, Chairman of the U.S.S.R. Council of Ministers and Gamal Abdel Nasser, President of the United Arab Republic. Supplement. p.33.

Vol.21, no.24(994), June 1964.

Table of contents translated:

Editorial comment. pp.1, 13.
Sedin, L. - Concluding stage at Geneva. p.3.
Golubkov, V. - On the eve of the Khrushchev visit to Scandinavia. p.6.
Sergeeva, N. - Indoor America. p.8.
Vanin, I. - Behind the plans for an international force. p.12.
Cimorra, Eusebio. - Unvanquished Asturias; labor movement. p.14.
Gornov, M. - Who will be President of Chile? p.10.
Ketishev, N. - Industrial management in the German Democratic Republic. p.18.
J.Z. - Angel with a club. p.20.
International notes. p.21.
Lorentsson, Emy. - The story of 1,000 locomotives. p.24.
Goleblowski, B. - Diaries of Polish peasants. p.27.
Kashkarov, A. - Winning the economic race; a book review. p.28.
The "free world": Those jolly tours. Rafael's fingers. p.31.
World events. p.32.

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol.19, nos.6-7, June-July 1964. [In Latvian]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no.10, May, 1964.

Table of contents translated:

Editorial: Apparatus of a party committee. p.3.
Grachev, S. - Party organs and the consolidation of public order. p.8.
Work of the "Mosfil'm" motion picture studio. p.14.
Zasorin, V. - Freedom of discussion and unity of action. p.16.
Shutov, I. - Trained labor force should be assigned for work to the lagging farms. p.24.
Seleznev, A. - A voluntary transport detachment. p.30.
Communists are bringing to light the hidden potentialities in production. p.32.
Nefedov, V. - Monthly and quarterly.... p.37.
Akatov, E., Bazlov, IU. - A city committee reports on its activities. p.38.
Correspondence with readers:
Mal'ginov, S. - There is no reason for taking offense. p.41.
Zakirov, IU. - Isn't it possible to simplify the procedure? p.42.
Malinovskii, V. - One of the party committee's decisions. p.43.
Answering readers' questions:
Right to the former or equal work. p.44.
Ionin, D. - What the artists are doing for the countryside. p.45.
Kostarev, A. - Useful discussion. p.46.
Zaporozhets, V. - Specialists improve their knowledge. p.49.
Kondratenko, I. - A man stumbled, help him! p.50.
Ideological work of the primary party organizations:
Tkachenko, P. - Political education. p.52.
L'vov, L. - Reproof. p.58.
Datt, Palm. - The struggle for unity in the international communist movement. p.64.
Koloskov, A. - Stories about communists. p.70.
Ermolaev, V. - Make better use of the radio and television. p.73.
Fomenko, IA. - One hundred pages of offenses and complaints. p.75.
Party news. p.79.

No.11, June 1964.

Table of contents translated:

Editorial: The hidden potentialities in production should be utilized more efficiently. p.3.
Against dissenters, for unity in the communist movement. p.8.
Miurisep, A. - Soviets and the development of a new man. p.21.
Increasing the role of museums in the communist education of workers. p.28.
Take care of the crop fields in an organized way. p.29.
Iagoman, D. - Outstanding achievements of the workers of the Sebryakovo Cement Works. p.32.
Solntsev, V. - A steppe village in Transbaikalia. p.38.
Baraban, M. - Getting acquainted with advanced practice. p.42.
Guidance should be creative and concrete; reports at the Plenum of the Moscow City Committee of the Communist Party of the Soviet Union. p.45.
Blium, S. - In the party organization of a hospital. p.50.
Voitiitskii, V. - Personal example of a communist. p.53.
The foreman as an active educator. p.56.
Pliushchenko, V. - Assistance to the leaders of production. p.56.
Tarasiuk, P. - At an enterprise of communist labor. p.59.
Borshchov, P. - "Foreman's hour." p.61.
Brazhnik, I., Vinnik, I. - In the workshops of the by-product coke plant. p.62.
Kruchov, T. - Meetings in Menzelinsk. p.64.
Answering readers' questions:
Ivanov, G. - Encouraging the propagandists. p.66.
Zelentsov, V. - Under the banner of the national front of liberation. p.67.
Ioshin, B. - Books for agricultural workers. p.72.
Zhidkov, V. - Help, teach, persuade. p.74.
Kozyrev, F., Mitin, I. - Everything continues in the old way. p.76.
Letters from our readers. p.79.
Party news. p.79.

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol.5, no.6, June, 1962.

Table of contents translated:

Editorial: Let's increase the fighting capacity of primary party organizations. p.3.
Usmanov, S. - Let's improve the leadership of our agriculture. p.9.
Abdurazakov, M. - Not less than 25 centners of cotton per hectare. p.16.
Istomin, M. - In new conditions. p.22.
Radzhabov, M. - The post will be captured. p.26.
Kadyrov, I. - Our second native tongue. p.31.
Salliamova, Sh. - Results and prospects. p.37.
Saradzhova, N. - The relay is in reliable hands. p.43.
Ideological work in an agricultural district. p.49.
Latipov, T., Kurbanov, A. - The way we achieve reduction of the production cost of cotton. p.57.
Bakirnatov, I. - Supported initiative. p.61.
Kudriavtsev, V. - Principal direction. p.63.
Pashkova, A. - Communists lead. p.67.

Aksenkov, K. - Private library for everyone. p. 69.
Kadyrov, S. - The water has arrived. p. 71.
Shabshai, L. - In step with life. p. 73.
Mamatkul Dzhumaev, organizational secretary of the province committee of the Communist Youth League. p. 81.
Vodolazskii, A. - Succession and renewal problem in party leadership. p. 85.
Kas'kov, I. - Communist education is the main thing. p. 89.
Pokutnev, V. - Training of the editors of wall newspapers. p. 90.
Zevelev, A. - "Foreign communists in Turkestan." p. 92.
"This cannot go on further." p. 94.
Party chronicle. p. 95.

Vol. 7, no. 5, May 1964.
Table of contents translated:
Meet with dignity the glorious anniversary! p. 3.
From a working class party to a party of all the Soviet people. p. 11.
Khudaibergenov, M. - The Khiva collective farmers are spreading socialist competition. p. 26.
Mirzaev, A., Mirkhashimov, S. - A highly qualified labor force should be assigned to agriculture. p. 31.
Pak, V. - Production is the main matter of concern. p. 34.
Dosekenov, A. - Controlling the management of collective farms. p. 39.
Musaev, M. - The Communist Party of Uzbekistan in the struggle for the building of socialism. p. 41.
Ismailov, I., Safarov, R. - In the field camps. p. 47.
Mukhitdinov, M. - The center of the mass political work on collective farms. p. 48
Kashcheeva, A. - A man should be a friend, comrade and brother of his fellowmen. p. 52.
Artykov, IA. - Learn, imitate. p. 57.
Avtonomova, F. - In the struggle for large-scale chemistry. p. 59.
Dzhabarov, S., Tonkonogii, G. - Daily, wall newspapers.... p. 61.
Morozov, F. - Newspapers and magazines should be in every family. p. 63.
Khanaev, M. - The postman makes the round of the villages. p. 64.
A conference of readers of this periodical. p. 66.
Makhmudov, A. - Kattakurgan plans and organizes its public services. p. 67.
Kuznetsov, V., Kovalev, G. - An efficient mass control. p. 70.
Lashin, A. - Working and studying. p. 72.
Kamilov, G. - The second native language. p. 75.
Madgazin, I. - Communists as pioneers of useful activities. p. 76.
Sagatov, A. - Silkworm breeders attain new boundaries. p. 77.
Bolotova, N. - A gigantic poultry plant. p. 78.
Rakhmanov, N. - An example for all. p. 80.
Rustamov, P. - Skillful farming. p. 81.
In the Institute of City Planning. p. 84.
Ziiaev, S. - Helpers in struggle. p. 86.
Davliatkadamov, Kh. - Effacing class differences and consolidating the social uniformite of the peoples. p. 87.
The rules on admittance to the CPSU in places with no primary party organizations. p. 93.
Who is entitled to collect the membership fees? p. 94.
Party news. p. 95.
Admittance procedure in the Tashkent School of Higher Party Education. p. 96.

PARTIINAIA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 34, no. 6, June, 1964.
Table of contents translated:
Khrushchev, N.S. - Peace and peaceful coexistence. p. 3.
Editorial: All methods of ideological work should be put into combat order. p. 10.
Sagindykov, Sh. - Masses are mastering the theory. p. 14.
Shalabaev, K. - Intellectual enrichment of the people. p. 20.
Skorobogatov, V. - A striking force. p. 24.
Semenov, L. - A mission to be an atheist. p. 30.
Dzhandosov, S. - New rites should be introduced to our mode of life. p. 34.
Mukhin, O. - The heart does not get old! p. 39.
Sabiev, S. - Akzhar is on the Kremlin orbit. p. 43.
Brod, K. - The way to the reader's heart. p. 44.
Gutrits, A. - Come to our club! p. 46.
Palkin, P. - Fighting for the man. p. 47.
Barlybaev, Kh. - The honorable role of rural intelligentsia. p. 50.
Sarsenbaev, N. - Awaken the interest for ethical problems among the youth. p. 53.
Shapovalov, N. - His lifework. p. 56.
Darmaganbetov, Sh. - Il'ich's machine. p. 57.
Shintasov, S. - The determinant factor in the work of a rural party committee. p. 58.
Zhabko, V. - In the new channel. p. 62.
Lugovoi, G. - For the sake of form. p. 65.
Zheludkov, A. - An outcry instead of businesslike help. p. 69.
Protesiuk, I. - When are you supposed to work with people? p. 70.
Likhachev, IU. - Getting away from the main problems. p. 72.
Commissar of the steppe region. p. 77.
Letters to the editor. p. 80.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 8, no. 6, June 1964.

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 8, nos. 24(298)-27(301), June-July 1964.

RUSSIA (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 27, nos. 28(1219) - 31(1222), July 1964.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the newspaper "Izvestiia." Moscow, no. 7(85), July 1964.

UCHENYE ZAPISKI KAFEDR OBSHCHESTVENNYKH NAUK VUZOV G. LENINGRADA; Istoriia KPSS [STUDIES BY THE DEPARTMENTS OF SOCIAL SCIENCES OF LENINGRAD INSTITUTIONS OF HIGHER EDUCATION; History of the Communist Party of the Soviet Union]. Leningrad, no. 5, 1964. KPSS v bor'be za formirovanie kommunisticheskikh obshchestvennykh otnoshenii [The CPSU in the struggle for the establishment of communist social relations].
Table of contents translated:
Nosov, F.V., Smyshliaev, V.A. - Establishment of communist social relations as the most important task of the party. p. 3.
Grigorovskii, V.E., Medvedev, N.A. - Program of the CPSU on the development and rapprochement of the two forms of socialist property. p. 23.
Tatarov, O.N. - The unity of theory and practice and the development of communist social relations. p. 48.
Tarasov, IU.I. - Perfecting the methods for organizing the ideological education. p. 70.
Sergeev, V.A. - From the practice of the Leningrad Party Organization in consolidating the tie between school and life. p. 88.
Samukhin, V.P., Troianovskii, A.P. - The methods of further development and rapprochement of the socialist nations. p. 104.
Metel'kov, P.F. - Trade unions and their role in the establishment of communist relations. p. 123.
Nosov, I.V. - Development of voluntary participation in the work of the party organizations in Leningrad. p. 140.
Zazerskaia, Z.I., Zazerskii, G.D. - The policy of the Communist Party in combining the material and moral labor incentives. p. 164.
Stepanov, S.V. - The CPSU's struggle for the establishment of the material base of the communist mode of life. p. 177.
Mil'shtein, E.L., Nazarova, T.D. - Communist labor movement at the Leningrad Metalworking Plant of the 22d Congress of the CPSU. p. 201.
Korol'kov, V.K. - The principle of mutual help in the communist labor movement. p. 209.
Finogenov, V.F. - A review of V.M.Ivanov's and F.G.Krotov's book: "Technically minded workers in the service of communism." p. 218.
Mandel', S.Z. - Books on Lenin's nationality policy. p. 222.

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan. Tashkent, vol. 36, no. 6, June 1964. [In Uzbek]

VIL'NA UKRAINA [FREE UKRAINE]. Issued by Ukrains'ka vil'na hromada v Ameryisi [Ukrainian Free Society of America]. New York, vol. 11, no. 42, 1964.

VOLIA [FREEDOM]. Organ of Narodno-trudovoi soiuz rossiiskikh solidaristov [National Workingmen's Association of Russian Solidarists]. Frankfurt/Main, vol. 4, nos. 22-23, Apr., June 1964.

ZNAMIA ROSSII; organ russkoi nezavisimoi monarkhicheskoi mysli [THE BANNER OF RUSSIA; Organ of Russian Independent Monarchistic Thought]. New York, no. 245, July 1964.

7. LAW

MOSCOW. VSESOIUZNYI INSTITUT IURIDICHESKIKH NAUK. Uchenye zapiski [ALL-UNION INSTITUTE OF JURIDICAL SCIENCES. Studies]. No. 17, 1963.
Table of contents translated:
Pigolkin, A.S. - Legal norms as regulators of social relations. p. 3.
Samoshchenko, I.S. - Damage caused by unlawful inaction. p. 29.
Petukhov, G.E. - Place of economic councils in the system of Soviet governmental organs. p. 41.
Kallistratova, R.F. - The question of participants in arbitration proceedings. p. 53.
Sadikov, O.N. - Government arbitration practice in litigation concerning railway carriers of imported goods. p. 94.
Katanian, N.G. - Contract of hiring passenger cars. p. 118.
Prianishnikov, E.A. - Analysis of the performance of an investigator and investigation planning. p. 155.
Gratsianskii, P.S. - S.E.Desnitskii on the origin of the state, law, family, and private property. p. 168.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]. Moscow, no. 6, 1962.
Table of contents translated:
Extending the time established by paragraph No. 2, point No. 2, of Regulation No. 498/P-16, July 10, 1959 of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions in which the wage schedule can be applied a grade higher than provided for in the uniform wage and occupation classification manual for workers of mixed occupations. p. 3.
Supplement to the standard list No. 2 of chemical industry production processes in which workers, as well as engineering and technical workers are paid according to the wage schedule (salaries) established for work under especially harmful and especially difficult working conditions. p. 5.
Supplement to the standard regulation on the piece-work-bonus and hourly-bonus wage systems for workers of food industry enterprises. p. 5.
Supplement to the standard list of occupations and work paid according to the wage schedule established for workers engaged in work under high temperatures, difficult and harmful work in the enterprises of railroad transportation and subways. p. 6.
Amendment to point No. 5 of Regulation No. 115/5, February 4, 1960 of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 7.
Supplement to the regulation on the procedure and amount of compensation to communication, railroad, river, and automotive transportation workers, as well as highway workers whose regular work is performed while travelling, or whose work requires travel, and also while on service trips within the limits of the area served by them. p. 9.
Adoption of the regulation on issuing bonuses to cooks of public dining rooms on virgin and waste land farms for enlarging production assortment by introducing dairy and vegetable side dishes. p. 10.
Amendment to the regulation on issuing bonuses to cooks and other kitchen workers of public dining enterprises belonging to cooperative societies for the preparation of a high quality food, and on the procedure for paying wages to these workers. p. 12.
Supplement to the list of occupations of managerial, engineering and technical workers of peat industry enterprises entitled to bonuses. p. 13.
Procedures for determining the fulfillment of output norms in textile industry enterprises. p. 14.
Adoption of supplements and amendments to the collection of uniform output norms and prices for peat industry enterprises. p. 15.
Adoption of uniform output norms for open mining in mining industry enterprises (boring). p. 16.
Supplements to the wage and occupation classification manuals for workers of the cotton manufacturing and flax industries, as well as the industry engaged in the primary processing of hemp. p. 17.
Supplement to the standard branch norms for issuing free work clothes, shoes and protective devices to workers and employees of machinery manufacturing and metalworking industries. p. 21.

No. 12, 1963.
Table of contents translated:
Wages of deputy administrators (chiefs) who work on economic problems and chief economists of construction and assembly trusts. p. 3.

Partial amendment to the procedure for computing regional wage coefficients for fishing fleet crew members. p. 3.

Extending the time established by paragraph No. 2, point No. 2, of Regulation No. 498/P-16, July 10, 1959 of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions in which the wage schedule can be applied a grade higher than provided for in the uniform wage and occupation classification manual for workers of mixed occupations. p. 4.

Adoption of supplements and amendments to the uniform norms and prices for construction, assembly, and construction repair work, as well as to the uniform wage and occupation classification manual for workers engaged in construction, and construction repair work in 1960 (the fourth issue). p. 5.

Adoption of the uniform output norms for mining work in slate industry mines (stoping and the delivery of supporting materials). p. 6.

Adoption of standard output (time) norms for the quarrying of limeston, chalk, and building quarrystone, as well as for lime and chalk production. p. 6.

Adoption of amendments and supplements to the collection of uniform output norms and prices for logging. p. 7.

Adoption of standard output (time) norms for the production of all types of tiles. p. 7.

Adoption of standard output (time) norms for the production of clay brick. p. 7.

Adoption of the uniform output norms for work in preparing peat deposits for exploitation. p. 8.

Adoption of the uniform time norms for the assembly and dismounting of oil field equipment in petroleum and gas industry enterprises. p. 8.

Declaration of expired regulations of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R.:
Agriculture. p. 9.
Communications. p. 22.

Index to the regulations and explanations of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R., as well as joint regulations and explanations of the committee and the All-Union Central Council of Trade Unions published in the bulletin in 1963. p. 24.

No. 2, 1964.

Table of contents translated:

Wages for administrative, engineering and technical workers and employees of production combines (firms). p. 3.

Salaries of agronomist-inspectors of sugar factories and sugar beet storage bases. p. 5.

Amendments to the annotation in supplement No. 13 to regulation No. 1164/26, October 5, 1960 of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 5.

Issuing bonuses to workers of industrial and business organizations for collecting, storing and unloading ferrous and nonferrous metal scrap and by-products. p. 6.

Issuing bonuses to administrative, engineering and technical workers of the land utilization service belonging to the system of the Ministry of the Agriculture of the U.S.S.R. p. 9.

Procedures for issuing bonuses to workers of construction and assembly organization and construction projects for carrying out on time individual assignments on projects in the final stages of construction during the first quarter of 1964. p. 11.

Procedures for issuing bonuses to engineering and technical workers whose positions are not provided for in the accompanying additions to the standard regulations on issuing bonuses, as well as to workers taking an active part in aiding the fulfillment and overfulfillment of planned assignments. p. 14.

Developing standard administrative structures and norms for the number of engineering and technical workers and employees. p. 15.

Adoption of uniform time norms for the repair of equipment in petroleum refinery plants. p. 18.

Adoption of amendments and supplements to uniform output norms and prices for lumbering. p. 18.

Adoption of uniform time norms for the repair of excavators. p. 19.

Supplements to the wage and classification manual for workers engaged in nonferrous metallurgy enterprises. p. 20.

Supplements and amendments to the wage and classification manual for workers engaged in underground and open mining work, as well as in the ore dressing and sintering plants of ferrous metallurgy enterprises. p. 21.

Supplements to the wage and occupation classification manual for workers in the cotton manufacturing industry (1959). p. 26.

No. 4, 1964.

Table of contents translated:

Wages for managerial, engineering and technical workers and employees of the consolidated steamship companies and territorial and specialized merchant marine administrations. p. 3.

Wages for students and training workers engaged in underground work, and issuing bonuses to engineering and technical workers, mine foremen as well as instructors of industrial training in longwall mining of the Ukrainian Economic Council and the "Rostovugol'" Combine of the North Caucasus Economic Region. p. 5.

Partial amendment to conditions for issuing bonuses to mangerial, engineering and technical workers of workshops (sections and stations) of fishing industry enterprises engaged in the production of sturgeon caviar. p. 9.

Amendments and supplements to the wage and occupation classification manual for workers of coal and slate industry enterprises and construction projects adopted by Regulation No. 844, September 8, 1958 of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. p. 11.

Amendments and supplements to the wage and occupation classification manual for workers of coal and slate industry enterprises and construction projects (1958). p. 23.

Adoption of amendments and supplements to the collections of uniform time and output norms for the processes of printing production. p. 33.

Amendment to the wage and occupation classification manual for fishing industry workers. p. 34.

Amendment to types of payments and deductions established in a pay book of workers of government and public enterprises. p. 35.

No. 5, 1964.

Table of contents translated:

Several problems connected with wage regulation for automotive transportation and highway workers. p. 3.

Wage system for automotive transportation and highway workers. p. 4.

Adoption of the procedure and terms for issuing bonuses to automobile, trolley bus, trolley cars, electrobus and electric automobile drivers, as well as other workers of automotive and municipal transportation enterprises for prolonging the use of new serial and retreaded automobile tires. p. 56.

Amount of bonuses paid to truck drivers engaged in a technological process of enterprises in some branches of industry. p. 60.

Procedure for paying wages to truck drivers of trailers with a high load capacity. p. 61.

Wages for truck drivers engaged in lumber transportation. p. 61.

Supplementary payments to truck drivers collecting receipts and transferring cash to the State Bank of the U.S.S.R. p. 62.

Adoption of supplementary payments to truck drivers for combining occupations in the automotive transportation units of the Ministry of Communications of the U.S.S.R. p. 62.

Adoption of supplementary payments to truck drivers for combining the occupation of disinfectors. p. 63.

Standard regulation on issuing bonuses to managerial, engineering and technical workers and employees of production administrations (trusts) and automotive transportation enterprises. p. 64.

Supplement to Regulation No. 704/19-707/19 of September 11-17, 1959 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions. p. 71.

Adoption of the regulation on issuing bonuses to managerial, engineering and technical workers of automotive and municipal transportation enterprises for fulfilling and overfulfilling the plan for turning in tires suitable for reconditioning. p. 71.

Adoption of the regulation on the procedure and amount of compensation to communication, railroad, river, and automotive transportation workers, as well as highway workers whose regular work is performed while traveling, or whose work requires traveling, and also while on service trips within the limits of the area served by them. p. 73.

Introduction of supplements to existing procedures for issuing bonuses to workers of automotive and municipal transportation enterprises for prolonging the use of new serial and retreaded automobile tires. p. 75.

Partial amendment to the regulation on issuing bonuses to managerial, engineering and technical workers and employees of collective farm fishery organizations. p. 76.

Procedure for adopting the regulation on issuing bonuses to managerial, engineering and technical workers and employees of repair plants belonging to the All-Union Farm Mechanization Association "Soiuzsel'khoztekhnika." p. 76.

Work on improving the organization of labor and administration in the Gorkiy Automobile Plant. p. 7

Adoption of collection No. 38 on the uniform norms and prices for construction, assembly, and construction repair work (1960), "Assembly of equipment in granaries and industrial grain processing enterprises." p. 82.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR and Verkhovnyi sud SSSR [Office of the Public Prosecutor of the U.S.S.R. and the Supreme Court of the U.S.S.R.] Moscow, vol. 41, no. 3, Mar. 1964.

Table of contents translated:

Editorial: Going the Leninist way. p. 3.

Klimenko, I. IA., Pobozhimova, K. - Our role in the International Women's Day. p. 4.

Zhogin, N. - Let's enhance the role of prosecutorial supervision of law observance in criminal investigation. p. 11.

Kopelko, P., Ivanov, L. - Strict adherance to law in cases when criminal suspects are detained. p. 18.

Pantiugin, V. - Judicial practice of taking without indemnity a dwelling acquired as a source for unearned income. p. 22.

D'iachkov, N., Smorodinskaia, E., Ostroumov, S. - Methods of crime prevention work among juveniles. p. 26.

Evdokimenko, A. - Work on strengthening law observance should be done in intimate contact with the community. p. 30.

Abramova, M. - Let's increase the quality of performance of court organs. p. 34.

Legoza, A. - It is time to relinquish faulty practices in the overall inspection of courts. p. 38.

Mikhailovskaia, I. - Expanding the jurisdiction of comrades' courts. p. 41.

Mosesian, G. - Current problems relating to the theory of judicial evidence in criminal procedure. p. 47.

Gukovskaia, N. - Field investigation is the most successful method in finding out the causes and conditions inducing criminal offenses by juveniles. p. 48.

Abdulina, Z. - Special court orders in civil cases are an important means in preventing law violations. p. 49.

Panskaia, E. - Propaganda of law in the R.S.F.S.R. p. 51.

Community control over the release of persons transferred for reeducation and rehabilitation under the guardianship of one of its collective groups. p. 54.

Alekseev, K. - It took forty years. p. 56.

Dlugach, Al. - The case of engineer Il'in (concluded). p. 59.

Baranova, Z., Bratkovskaia, V. - Disclosing the causes and conditions leading to thefts in the course of criminal investigation. p. 61.

Stepichev, S. - Checking evidence at the locality of the crime. p. 64.

Viktor Valer'ianovich Borisoglevskii. p. 66.

Conclusions in expert testimony must conform to the highest scientific standards. p. 67.

Verbovetskii, P., Lokhanov, M. - Participation of the public in court examination of criminal cases. p. 72.

Lawyers from socialist countries in the Soviet Union. p. 73.

Our interviews. p. 78.

Ch'ang Hieu, Wu Tik T'iou. - Law journals of the Democratic Republic of Vietnam. p. 81.

Shpadaruk, I. - Workdays of a former prosecutor. p. 85.

Verdnikov, V., Kabalkin, A. - Application of Art. [illegible] of Fundamental Civil Law. p. 86.

In the Collegium of the U.S.S.R. Prosecutor's Office. p. 89.

In the Prosecutor's Offices of the Union Republics. p. 90.

Cases of prosecutorial supervision. p. 91.

Legislative news. p. 94.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no. 6, June 1964.

Table of contents translated:

Laputin, V. I. - Urgent problems facing the further strengthening of the socialist legal order. p. 3.

Shafir, M. A. - V. I. Lenin on the organizational problems of state administration. p. 12.

Brianskii, A. F. - The role of public organizations in making the rights and freedom of Soviet citizens effective. p. 22.

IAmpolskaia, TS. A. - Developing the structural and organizational forms of state administration. p. 31.

Pushkin, A. A. - Legal status of firms in the system of the administrative economic councils. p. 41.

Strogovich, M.S. - Problems of the theory of legal relations. p.51.
Keilin, A.D. - Certain problems in the judicial practice of the Maritime Arbitration Commission. p.62.
Karpets, I.I. - Law in the service of peace. p.71.
Zawadzki, Sylwester. - Research methods concerned with the operations of soviets in the Polish People's Republic. p.78.
Tanasevich, V.G. - Theoretical bases in developing crime prevention methods. p.88.
Tkachevskii, IU.M. - More on the problem of revising the law on suspended sentence. p.97.
Urazaev, Sh. - Role of the R.S.F.S.R. in the creation of a Soviet governmental system by the peoples of Central Asia, 1917-1922. p.106.
Karlov, A.A. - Formation and development of a Soviet national governmental system of the Moldavian people. p.111.
Dudaev, A.Kh. - Creation and development of the Soviet Chechen-Ingush national governmental system. p.117.
Lur'e, S.M. - Participation of the public in the determination of economic litigation. p.123.
Vu Boi Tan. - Organizational measures concerning law studies in the Democratic Republic of Vietnam. p.127.
Kaminskaia, V.I. - Revanchism and class justice viewed through the prism of criminal legislation. p.131.
Activities of the All-Union Institute for the Study of Causes of Criminality and Methods of Crime Prevention. p.136.
Kurinov, B.A. - I.S.Samoshchenko's "The concept of legal offense under Soviet law." p.137.
Kolbasov, O.S. - Codification problem in the water laws of the U.S.S.R. and the Union Republics. p.139.
Manokhin, V.M., Pal'gunova, T.M. - B.N.Gabrichidze's "The organizational and instructional apparatus of the executive committees of local soviets." p.142.
Litvinova, G.I. - Revolutionary committees in Georgia in the struggle for the establishment of Soviet rule. p.143.
Avakov, M.M., Mel'tser, D.A. - J.Kirsten's "Certain problems in state succession." p.144.
New legal literature of the U.S.S.R., February-March, 1964. p.147.

8. EDUCATION

a. GENERAL

AZERBAICHAN MEKTEBI [AZERBAIJANI SCHOOLS]. Organ of the Ministry of Education of the Azerbaijan S.S.R. Baku, no.5(200), May 1964. [In Azerbaijani]

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.36, no.12, Dec. 1963.

Table of contents translated:
Toward new successes in preschool education. p.1.
Life for the people. p.3.
Kheifits, S. - Let's prepare children for school. p.6.
Maksimov, IU. - Search goes on. p.7.
Shabkhi, Z. - Press on preschool education. p.10.
Vorob'ova, E. - Sports clothes. p.12.
In the Ministry of Education of the R.S.F.S.R. p.14.
Nechaeva, V. - Work training. p.15.
Stupina, M., IAnkovskaia, N. - Let's acquaint children with the work of adults. p.22.
Brok, R. - Music lessons in the group of various ages. p.28.
Avrutova, M., Rozental', I. - Games reflecting the work of adults. p.35.
Shanina, M. - Play in a younger group. p.39.
Kossakovskaia, E. - Development of space concepts in construction. p.44.
Kozlova, L. - Inhibition. p.48.
Lebedeva, G. - Consult a dictionary! p.54.
Kovaleva, M. - Let's discuss and improve work. p.59.
Pendrikova, L. - Collective should train everyone. p.60.
Foigel'man, A. - Benefit is obvious. p.61.
Butlugina, V. - How to entertain a child at home. p.62.
Pedagogical science and practice should make use of family practices. p.65.
Solov'eva, A. - Rural kindergarten as a cultural center. p.76.
Finkel'shtein, R. - This is gratitude. p.78.
Denisov, B. - Creative work of M.Miturich. p.80.
Sosnovskii, I. - Amazing structures. p.84.
Denisenko, G. - Let children have technical toys. p.87.
What should not be. p.89.
Aleksandrova, L. - Botkin's disease. p.91.
Dobreitser, V. - Nurse in a day nursery-kindergarten. p.93.
"Father... mother... kindergarten." p.95.
Razova, V. - Stories of B.Zhitkov and children's play. p.98.
Songs. p.101.
Index of articles published in the periodical "Doshkol'noe vospitanie" in 1963. p.103.

Vol.37, no.5, May 1964.

Table of contents translated:
Communism is the happiness of children. p.1.
Education is a national task. p.4.
Rubashkina, L. - Father. p.4.
Ostrovskaia, L. - With the feeling of responsibility. p.7.
Sitnikova, Z., and others. - A word for Fania Vinogradova. p.8.
L.Voitenko's answer to the editor. p.12.
Lukashin, A. - Social duty. p.13
Ivanova, E. - Family relay race. p.15.
Shcheglova, M., and others. - Educators exchange experience. p.18.
In the Ministry of Education of the U.S.S.R. p.27.
Press on preschool education. p.29.
Children's life in play. p.34.
Zaluzhskaia, M. - Recommendations on play and their assimilation in practice. p.34.
Smirnova, Z. - Children's play at different times of the day. p.36.
Kiseleva, N. - Play in the morning. p.39.
Kobitskaia, T. - Organizing morning play in the mixed group. p.41.
Igdalova, Z. - Play in the evening. p.44.
Rudnik, R. - On the lot. p.45.
Voevodina, A. - Interaction among children in different types of play. p.46.
L'vova, V. - Let's introduce various games into the children's life. p.48.
Mikhailova, L. - Games with songs. p.52.
Ivankova, R. - First steps in the social relations of children. p.53.
Igritskaia, M. - Training in play. p.55.
Avanesova, V. - Pedagogical supervision of play. p.59.
Usova, A. - Children's social life in play. p.62.
Nikol'skaia, L. - Children's speech. p.67.
Averkovich, A. - We teach them to pronounce sounds. p.69.
Erdniev, P. - Simultaneous study of reciprocal operations. p.72.
Karaseva, A., Mikhailova, N. - An educator entered the family. p.77.
Bushina, E. - Parents' "occupation." p.80.
Nekhliudova, A. - Talking about nature to the little ones. p.82.
Krokhaleva, N. - Visible changes. p.85.
Antipova, V. - We inculcate friendship. p.87.
Sosnovskii, I. - Little Moscovites like it. p.88.
Bykov, B. - Let's have more greenery. p.92.
Sizenko, Z. - Unpretentious plants. p.95.
Blinkina, E. - Key to the riddle. p.97.
Kosourova, Z. - Homemade toys from natural materials. p.101.
What should not be. p.105.
Rudneva, S. - Aid to music supervisor. p.107.
Liamina, G. - Musical development of the tiniest. p.112.
Zorina, L. - From the pages of Czechoslovak periodical "Predskolni vychova." p.114.
Dybovskaia, G. - Agreement of the subject with the predicate. p.117.
Lifshits, B. - Conflict. End of a fairy tale. p.119.
Sleighs. p.120.
Eliseeva, L. - Illustrators of fairy tales. p.121.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.25, no.6, June 1964.

MAKTABI SOVETI [SOVIET SCHOOL]. Issued by Ministerstvo prosveshcheniia Tadzhikskoi SSR [Ministry of Education of the Tajik S.S.R.]. Dushanbe, no.5, May 1964. [In Tajik]

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.32, no.5, May, 1964.

Table of contents translated:
Struggle of the CPSU for the solidarity of the international communist movement; resolution of the Plenum of the Central Committee of the CPSU passed February 15, 1964. p.3.
Loyalty to the principles of Marxism-Leninism. p.5.
Pioneer festival. p.9.
Liashenko, A.V. - The Pioneer is on friendly terms with the children of the whole world. p.12.
Kindrat, K.P. - Atheistic training of primary school students. p.15.
Stankin, M., Poliakov, L.IA. - Let's pay more attention to the physical education classes. p.21.
Ulybysheva, M.I. - Everything educates them here. p.26.
Levkov, IU.IA. - Their practice deserves attention. p.27.
Kuznechenkov, M.V. - Enthusiast for her work. p.31.
Aleksakhin, S.P. - Lev Nikolaevich Skatkin. p.33.
Luchinin, G.I., Til'man, L.E. - Planning as an important condition of successful work. p.35.
Abarinov, I.IA. - Development of an elementary knowledge and skills in electric engineering. p.39.
Sviridov, A.N. - Agricultural work in schools. p.46.
Kuznetsova, L.N. - Some methods to increase the literacy of students. p.50.
Vasil'eva, M.S., and others. - Extracurricular work on history. p.54.
Sosnovik, L.I. - Junior Pioneers in an urban camp. p.60.
Studenetskii, N. - Play in a Pioneer camp. p.63.
Gittis, I.V. - Psychology of the assimilation of history by primary school students. p.68.
Butylin, S.D. - Chemistry in the service of agriculture. p.77.
Khabib, R.A. - Unused possibilities in the teaching of arithmetic. p.81.
Adamovich, E. - How to write in our periodical. p.85.
Bookshelf. p.91.
Information. p.95.

Vol.32, no.6, June 1964.

Table of contents translated:
Most important features in the education of a new man; on N.S.Khrushchev's book "On communist education." p.3.
Konenkov, Sergei. - Man's beauty. p.6.
Akimov, Nikolai. - Good manners. p.15.
Efremova, Liudmila. - Stylish and beautiful. p.40.
Fortieth anniversary of "Vozhatyi." p.67.
Strunin, V.V. - Working with Junior Pioneers in camp. p.68.
Demidova, L.S. - Learn it in your camp. p.71.
Magnitskaia, L., Popov, A. - Designing a Pioneer camp. p.76.
Novoselov, A.A. - Cultivation of plants in nutritive solutions without soil; hydroponics. p.82.
Sosnovskii, I.P. - Amphibians and reptiles. p.80.
Summer work on a school plot. p.94.

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Noukogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, nos.6-7, June-July 1964. [In Estonian]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]. Moscow, nos.6-7, June-July 1964.

SEM'IA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol.19, no.3, Mar. 1964.

Table of contents translated:
Kolbanovskii, V. - For the community as well as for the family. p.1.
Anikin, A. - Cares and joys of working mothers. p.3.
Marsakova, N. - Confession of a father. p.4.
Poliakova, N. - Friends. p.8.
Grei, V. - Kindness for kindness. p.8.
Shersheneva, E. - Son. p.9.
Reznikov, Aleksandr. - Children from Sumskaya Street. p.10.
Ezerskii, S. - After a performance. p.12.
Fainberg, S. - Attention, hysteria. p.14.
Zakharevskii, P. - For the sake of the children's health. p.17.
Editor's mail. p.18.
Shchipanov, Igor'. - Fresh smell of grain. p.22.
Brief news. p.24.
Monroe, Hector. - Virtue and a wolf. p.26.
Fiftieth anniversary of the periodical "Rabotnitsa." p.28.
Belov, Anatolii. - Rituals against children. p.29.
Zinenberg, M. - Does your child hear well? p.30.
Aleksandrov, B. - Lemons on a window sill. p.32.
Hermitage. p.33.
Four hundred years of Russian book printing. p.33.
Among books. p.34.
Mil'ko, Viktor. - The bard. p.37.
Rozen, B. - Tale about good magicians and powerful giants. p.40.
Music page. p.43.
For tots. p.44.
Pankova, V. - Will they understand? p.46.
Petrov, G. - Small motion-picture theaters. p.46.
Litvinova, N. - We learn fretwork and pyrography. p.47.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 8, no.6, June 1964.

Table of contents translated:

Sviatkin, A.I. - P.P. Blonskii on work training and vocational education. p. 2.
Vykochko, L.M., Pavlenko, V.S. - School graduates on a collective farm. p. 6.
Tomin, N.A. - Combining instruction with production work. p. 9.
Akhmatov, A.F. - Inculcating in students an interest and love for work. p. 12.
Breev, S.I., Korotkov, A.M. - Development of vocational interests in students. p. 15.
Pegov, P.V. - Organizing the production work of students. p. 17.
Monakhov, V.M. - Training of computer programmers. p. 22.
Stavolichev, S.S. - Instructional technological diagrams for the training of the third class tractor operators. p. 25.
Kustov, IU.A. - Let's intensify the technical trend of the program. p. 30.
Arshanskii, V.S. - Program should be stable. p. 33.
Chernenko, N.A. - Criteria of knowledge and skills. p. 34.
Tel'nov, V.T. - Designing of devices during manual training classes. p. 36.
Shastina, E.P. - Development of the mutual exactingness of students in the process of production work. p. 39.
Zhmur, V.P. - Apparatus for the testing of knowledge. p. 42.
Znamenskii, IU.P. - Filmstrips made by their own hands. p. 47.
Chernyshev, I.IA. - They have forgotten industrial safety. p. 50.
Averichev, IU.P. - Aid to vocational guidance. p. 51.
Sinitsyn, P.I. - Vocational guidance. p. 54.
Riabinin, V.A. - Production training corner. p. 56.
Khrennikova, V.E. - Mechanical drawing olympiad in a city. p. 57.
Zhil'tsova, A.A. - Mechanical drawing and production. p. 61.
Nekhtman, I.G. - Hygienic basis of production training. p. 62.
Galkin, L.I., Gataullin, Sh.L. - Construction of semiconductor apparatus models. p. 63.
Koval', S.S. - Hooks for a clothes rack. p. 67.
Asmalov, A.G. - Bookbinding knife. p. 68.
Antonov, L.P. - Work objects in a carpentry workshop. p. 68.
Batolin, N.M. - Locksmith's hack saw. p. 71.
Kartashov, A.V. - Folding stand. p. 72.
Tiurin, M.P. - Lathe stand. p. 73.
Tkachenko, K.K. - Device for the exercises in hewing. p. 74.
Mochalov, P.P. - Electrified stand for the elements of a drill. p. 75.
Sidorov, V.P. - Tap wrenches. p. 76.
Vlasov, A.IA. - Carburetor model for projection on a screen. p. 78.
Medvedev, R.A. - Books on production training. p. 81.
Advertisement. p. 83.
Shul'man, A. - Use of audio-visual aids in education abroad. p. 84.
Savade, Hans. - Problems of a lesson. p. 87.
Polianichev, T.N., Likhonin, V.M., Kargin, I.A. - In close connection with a collective farm. p. 89.
Shirokov, V.A. - Young technicians of Kizel. p. 90.
Verbliudov, N.I. - Let's alternate mental and physical work. p. 91.
Polishchuk, A.V. - Worker training in the secondary schools of Sakhalin. p. 91.
Propalov, N., Strel'nikov, V. - Work training in the electric locomotive power house at the Rybnoye station. p. 92.
Pavlov, M.A. - Unused potentialities. p. 92.
Stamboltsian, G.M. - Frame for a blackboard. p. 93.
Noteworthy dates in science and technology. p. 94.

Vol. 8, no. 7, July 1964.

Table of contents translated:

Gornets, V.K. - Community and school. p. 2.
Tolmachev, S.S. - Our common tasks. p. 6.
Nesterov, D.M. - Inculcating the communist attitude towards work. p. 9.
Ivashkin, V.S. - This school is training qualified workers. p. 12.
Il'in, V.S. - Connection between training and productive work. p. 15.
Shchekochikhin, O.V. - Role of technical planning. p. 16.
Matiusha, I.K. - Let's develop the creative abilities of upperclassmen. p. 20.
Polukhin, K.N., Akopian, A.N. - In close contact with practice. p. 24.
Osipov, K.I., Dubrovskii, P.V., Gorbunov, I.M. - Bringing out the connection between subjects. p. 28.
Kaliniuk, I.F. - Productive work in the process of industrial training. p. 31.
Ershov, B.A. - Industrial excursions are in integral part of the educational process. p. 33.
Kovalev, O.K. - Evaluation of students' success in industrial training. p. 35.
Glushchenko, A.G. - Encouraging the students to plan their work. p. 38.
Skuratov, A.O. - By joint efforts. p. 39.
Krit, G.I. - Technical work skills. p. 40.
TSagaraev, V.N. - Organizing the productive work in school workshops. p. 44.
Shafir, N.I. - Electrical wiring operations in the eighth grade. p. 46.
Gusev, S.V. - Organizing the work in school workshops. p. 47.
Golev, B.S. - Changing the manual training program. p. 49.
Solov'ev, M.K. - Do we need a new program? p. 49.
Gorbatov, K.S. - What a manual training program should be like. p. 50.
Girfanov, G.G. - Club work in schools. p. 52.
Sokolov, F.N. - Students in the struggle with potato late blight. p. 53.
Tkachenko, F.M. - A crop of great possibilities. p. 55.
Chernyshev, D.E. - Preparing forage plants for feeding. p. 57.
Ivanov, IU.I. - Oxide coating of steel products. p. 59.
Dvizhkov, V.I. - University for the improvement of political and scientific knowledge. p. 60.
Sirotov, S.G. - Let's give more attention to the practical training of students. p. 61.
Shneider, A.D., Tkachuk, N.I. - Organizing the industrial training of students. p. 62.
Achkasov, N.A., Babanskii, V.Z. - Biological microscope in physical metallurgy. p. 63.
Antonenko, E.I. - Device for the punching and manufacturing of disks. p. 66.
Bukhalov, B.I. - Stand for a soldering iron. p. 66.
Kartashev, A.V. - Triangle for schools. p. 68.
Kalinin, A.A. - Useful advice. p. 70.
Frolov, P.N. - Blocking device. p. 70.
Leman-Abrikosov, G.A. - Projector. p. 71.
Zhiganov, B.V. - Mobile circular diagrams. p. 72.
Zhelezniak, V.I. - Rights and responsibilities of the head of the teaching department. p. 75.
Rakhmanin, I.A. - Organization of students' work and their wages. p. 75.
Polny, R. - Technical education in the schools of People's Poland. p. 77.
Vorob'ev, N.E. - Compiling the occupational job descriptions in the German Democratic Republic. p. 78.
Poteshkin, A.T., Kriukov, A.N. - New generation of workers is growing up. p. 81.
Kopytov, S.K. - Cognitive and educational significance of excursions. p. 82.
Kalashnikov, S.V. - Combining instruction with productive work. p. 83.
Burmistrov, V.M. - Encouraging the students in their production training. p. 84.
Khomenko, I.S. - Together with a collective farm. p. 84.
Golubiatnikov, IU.I. - Good example of work training. p. 86.
Vlasov, P.S. - We are training textile workers. p. 87.
Faizov, IU.F. - How we created our material base. p. 87.
Mochalov, P.P. - Let's value the instruction time. p. 88.
Golubkin, P.S. - Schools and collective farm production. p. 89.
Dulia, I.P. - Let's give them moral education in the course of work. p. 89.
Skobeleva, O.A. - At the Kumenko school experimental farm. p. 91.
Pustovoit, S.M. - Experimental work at the Ivanovo school. p. 92.
IAs', V.S. - For close contact with the scientists and leading young workers of industry. p. 93.
Noteworthy dates in science and technology. p. 94.

SKOLA UN GIMENE [SCHOOL AND FAMILY]. Issued by LPSR izglitibas ministrija [Ministry of Education of the Latvian S.S.R.]. Riga, no. 5, May 1964. [In Latvian]

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 11, no. 4, Apr. 1964.

Table of contents translated:

Concern of the party and the government for the development of specialized secondary education. p. 1.
Karagez'ian, K.N. - Head of a technical school department. p. 5.
Kadin, G.B. - Elements of research in the educational process. p. 8.
Maizlish, IA.B. - Tolerances, settings and technical measurements. p. 13.
Lashevskii, V.I. - Teaching of the course "Agricultural machinery and tools." p. 18.
Tropashko, E.I. - How a laboratory has been created. p. 21.
Babikova, I.A., Gilova, M.Z. - Organizing a student collective in a technical evening school. p. 24.
Press, S.S. - Our search for progress. p. 25.
Stel'makh, L.E. - Improving vocational qualifications of engineers and technical personnel by correspondence. p. 26.
Koloditskii, M.S. - Social science classes and museums. p. 31.
Kasatkin, N.I., Il'inykh, V.A. - Social sciences in evening technical schools. p. 34.
Fominykh, A.P. - Let's train the active builders of communism. p. 40.
Popov, B.D. - Conducting a "self-government week." p. 42.
Lesnikov, V.A. - Our auxiliary police. p. 44.
Zakirova, F.Kh. - Rural pedagogical practice. p. 47.
Oleshko, I. - Correspondence students acquire production skills on a school farm. p. 49.
Tararyko, P.M. - Review of the textbook on "Economics, organization and planning of production in coal mines." p. 50.
Kukhtina, T.I. - Notes on the education in Afganistan. p. 52.
Grigor'ev, I.I. - In the Central Committee of the Trade Union of Educational Workers, Higher Schools, and Scientific Institutions. p. 56.
Shul'gina, N.D. - Conference of enthusiasts. p. 57.
Dziuba, F.T. - Slide rule. p. 60.
Gelman, I.I. - "Stop-2" laboratory desk. p. 62.
Editor's mail. p. 63.

Vol. 11, no. 5, May 1964.

Table of contents translated:

Further improvement of evening and correspondence education. p. 1.
Molibog, A.G. - Teaching machines. p. 6.
Ivanov, P.K., and others. - Urgent task of the present time. p. 16.
Sapiro, D.N. - Annual production work at a large-scale plant. p. 19.
Gidulianova, L.I. - Let's improve the quality of methodological literature for correspondence students. p. 23.
Andreev, I.I., Gol'dman, N.I. - Degree projects and their adjustment to the needs of industry. p. 29.
Senina, I.A. - Organization of groups at the enterprises. p. 33.
Viatkin, IU.A., Gatiatullin, S.N. - Night school students as the heads of study rooms. p. 35.
Organova, I.P. - Useful and exciting work. p. 37.
Nozdrin, N.S. - What are the shortcomings of educational work from our point of view. p. 41.
Pashkevich, M.A. - Students should know the fundamentals of scientific atheism. p. 44.
Kraevskii, N.A. - Facing the summer. p. 45.
Dobrova, G.A. - Music in aesthetic education. p. 48.
Turkenich, I.IA. - Operating models of our constructions. p. 54.
Novomlinskii, M.P. - For the efficient use of metals. p. 58.
Stel'makh, L.E., Poliakova, N.V. - Review of the textbook "Building materials and details" by Prof. V.A. Vorob'ev. p. 59.
Vybornyi, A.F., Mironov, N.I. - Review of A.G. Rabashkin's manual "Laboratory work on the strength of materials for technical schools." p. 60.
Editor's mail. p. 62.
From the pages of newspapers. p. 64.

b. PHYSICAL EDUCATION & GAMES

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 10, no. 6(109), June 1964.

RYBOLOV-SPORTSMEN; al'manakh [THE ANGLER, an Almanac]. Moscow, vol. 20, 1964.

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 10, no. 6, June 1964.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, no. 9(105), May 1964.

SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 41, no. 6, June 1964.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol.8, no.6, 1964.

SPORTIVNYE IGRY [ATHLETIC GAMES]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.] Moscow, vol.10, no.5(108), May 1964.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.27, no.2, Feb. 1964.

Table of contents translated:

Forty-sixth anniversary of the Armed Forces of the U.S.S.R. is a holiday of all the people. p.1.
Chudinov, I.G. - Soldier of the revolution. p.4.
Stolbov, V.V. - From the history of the development of the reactionary ideology of militarism in bourgeois sports. p.7.
Sukhotskii, V.I. - Anticommunism as ideological banner of the bourgeois propaganda in physical education. p.11.
Chernikova, O.A. - Effect of emotions on the effectiveness of an athlete. p.17.
Arutiunian, S.M. - Distribution of effort in lifting barbells. p.20.
Dibner, R.D., Eremenko, N.P., Karpenko, L.I. - Correlation of vegetative functions in the training in various fields. p.24.
Volkov, V.N., Bukharin, O.V. - Phagocytosis during the condition of fatigue. p.26.
Kukolovskii, G.M. - Electric activity of the cerebral cortex in athletes at the different stages of training. p.30.
Zatsiorskii, V.M., Godik, M.A., IAmul'nik, D.N. - Using mathematical methods in evaluating the specialized physical training of athletes. p.33.
Sokolova, L.S. - Neural processes of the cerebral cortex and hemodynamics in downhill skiers during the restorative period. p.37.
Sinani, N.D. - Using a complex of elementary exercises with a ball. p.40.
Vasil'ev, E.P. - Electromyotonometric investigation in connection with flexibility exercises. p.42.
Ikova, V.V. - Myographic data on the effect of sports massage. p.45.
Abramova, A.N., Sosin, I.N. - Observations on the therapeutic effect of diadynamic (P.Bernard's) currents in acute and chronical trauma of athletes. p.48.
Shcherbakov, E.P. - Educational significance of communal assignments. p.51.
Shapkova, L.V. - Methods to develop speed in women skiers of junior classes. p.52.
Sandanov, D.D. - Buryat national sports. p.56.
Pasukhina, E.I. - Work of the "Energy" stadium of the volunteer sport organization "Trud" of the Moscow City Council. p.60.
Maznichenko, V.D. - Dependence of the development of motor skills on the development and display of motor properties. p.62.
Tumanian, G.S. - Classification of the holds in wrestling. p.64.
Simakov, IU.P. - Organization of the physical education and national sports of Cuba. p.67.
Il'inich, I.I. - "Ready for work and defense complex" in the Vietnamese Democratic Republic. p.70.
Alikhanov, I., Okroshidze, M. - Methods of studying and improving wrestling techniques. p.71.
Morozov, V.B., Khlomenok, P.N. - Self-setting automatic trainer. p.73.
Falameev, A.I. - Training methods in weight lifting and their use. p.74.
Criticism and bibliography. p.77.
In sports organizations. p.78.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol.34, no.3, 1964.

Table of contents translated:

In step. p.1.
Bereznitskii, IAn. - For the sake of life on earth. p.4.
Donets, Liudmila, Medvedev, Tikhon. - "To the measure of Shevchenko's feeling." p.12.
Levshina, Inna. - What does man need. p.19.
Grigor'ev, V. - The way to a good truth. p.23.
L'vovskii, M. - The logic of a genre. p.26.
Gurevich, L. - Without a clear goal. p.28.
Demin, V. - Dispute between carnations and daisies. p.31.
Pisarzhevskii, Oleg. - Memory clothed in stone. p.34.
Osetinskii, Oleg. - Arouse the taste for creativeness. p.37.
Nechaeva, M. - Film about futility. p.41.
Starshev, Boris. - Cybernetics solved the problem. p.43.
Knuniants, I.L. - Possibilities of motion pictures. p.45.
Report from a motion-picture studio. p.46.
Zak, M. - The artist and the time. p.49.
Klado, N. - Impressions and recollections of joys and griefs. p.57.
Bilinkis, IA. - Lev Tolstoi's prose and present-day motion pictures. p.65.
Fogel', Z. - The representational quality of motion pictures and the artist. p.80.
Gorlunova, G. - Study the practice of groups shooting films. p.92.
Islamov, N. - A serious work is coming. p.95.
Britikov, G. - Scenario and studio. p.96.
Kharlamov, G. - Clarity and professionalism. p.98.
Chaplin, S. - The king in New York(conclusion). p.101.
Aleksandrov, Grigorii. - From "the good king" to "The king in New York"; instead of a postscript. p.123.
Interview with Stanley Kramer. p.127.
On the screens of the world:
  Turovskaia, M. - "Tom Jones." p.129.
  Milev, Nedelcho. - "Celebration of hope." p.131.
  Zelenko, N. - "Midnight mass." p.133.
From everywhere. p.135.
Motion-picture schedule. p.142.

Vol.34, no.4, 1964.

Table of contents translated:

"We say- Lenin..." p.1.
Eisenstein, S. - What I got from Lenin. p.2.
An important matter is discussed. p.9.
Giatsintova, S. - The voice behind the screen. p.12.
Document of the ideological struggle: Message to a party conference on the subject of motion pictures by a group of directors. p.14.
To do Shakespeare. p.16.
Turkov, A. - Headquarters in Razliv. p.17.
Bocharov, A. - Victorious truth. p.21.
IUrenev, R. - One day in the life of young people. p.26.
Kovarskii, N. - At the threshold of Moscow. p.29.
Zorkii, A. - Against indifference. p.34.
Shcherbakov, K. - Secrets of a tradition. p.37.
L'vov, Sergei. - Relate simply. p.39.
Klado, N. - Cockroach land. p.45.
Zhdan, V. - Nature of the cinematographic image. p.48.
Gabrilovich, Evg. - Stories about the past. p.60.
Mar'iamov, G. - The art of shooting and the art of counting. p.70.
Pressman, L. - To search! p.76.
Popularity is what appeals to the people. p.82.
Andronikova, Manana. - The story of a moving camera. p.87.
Call from the editors. p.98.
Matusevich, Vl. - Cruel world of Ingmar Bergman. p.101.
Pogozheva, L. - The language of drawing. p.116.
Ermash, F. - San Francisco, 1963. p.119.
On screens of the world:
  Bereznitskii, IAn. - "Monster." p.124.
Gurov, L. - "That's the way it was." p.126.
Bleiman, M. - "Life without happiness." p.127.
From everywhere. p.128.
Konchalovskii, A., Tarkovskii, A. - Andrei Rublev. p.139.

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, no.6, June 1964.

SOVETSKII EKRAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, no.11(179), June 1964.

b. MUSIC

LETOPIS' MUZYKAL'NOI LITERATURY [CHRONICLE OF MUSICAL LITERATURE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.2, 1964.

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.7, nos.11,13 June-July 1964.

SOVETSKAIA MUZYKA [SOVIET MUSIC]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.27, no.12, Dec. 1963.

Table of contents translated:

To the Central Committee of the CPSU. p.3.
Skatershchikov, V. - The theory of reflection and music. p.5.
Malyshev, IU. - Singer of the Ukraine. p.12.
IAkubov, M. - Composers of Daghestan. p.17.
IUferova, Z. - Outstanding musician and educator. p.22.
Ginzburg, L. - New information in Haydniana. p.28.
Mazel', L. - Indispensable radical changes. p.30.
Leman, A. - Attention and exactingness. p.33.
Chernaia, E. - A meeting with Wagner. p.36.
Dobrynina, E. - Great Siberian.... p.42.
Lutskaia, E. - Two youths. p.50.
Zhivtsov, A. - Guests from the Irtysh. p.54.
Mil'shtein, IA. - In the service of music. p.59.
Stepanian, R. - Poetic and strict. p.64.
Usov, IU. - Three prize-winners. p.66.
E.O. - The first leeds. p.68.
Ginzburg, Gr. - Notes on craftsmanship. p.70.
Orfenov, Anatolii. - Acquaintance with a singer. p.77.
Dobrokhotov, B. - Virtuoso bass fiddler. p.78.
Ermakova, Liudmila. - Named after Obretenov. p.79.
Khaikin, B. - Ardent feeling. p.80.
Mil'shtein, IA. - Ogdon plays. p.82.
Gaidamovich, T. - "Clarion Concerts." p.84.
Kazantseva, Nadezhda. - Creative conviction. p.85.
Blok, V. - Friends from England. p.86.
Dolinskii, M., Chertok, S. - Vocation. p.88.
Pichugin, P. - Songs of Mexico, Brazil and Cuba. p.91.
Gaverdovskii, IU. - Broaden the musical horizon. p.94.
Abramov, G. - Opera in concert presentation. p.97.
Fain, IA. - Attention! The Russian chastushka. p.100.
Konnova, P. - Creatively executed. p.102.
Letter to the editor:
  Etinger, M. - Revive former traditions. p.106.
Melikhar, A. - Music, society, and the "vanguard." p.108.
For Benjamin Britten's 50th birthday:
  Tauragis, A. - Outstanding master of the present. p.113.
  Schafer, M. - The composer relates. p.116.
Poliakova, L. - Five evenings of Italian opera. p.124.
Our jubilarians:
  Aladov, N. - E.K. Tikotskii. p.134.
  Raaben, L. - IU.N. Tiulin. p.135.
  Polianovskii, G. - L.A. Entelis. p.136.
  Dolzhanskii, A., Sokhor, A. - S.IU. Levik. p.137.
Brief news. p.139.
Index. p.155.

c. THEATER

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, nos.11-12, 14, June-July 1964.

10. FINE ARTS

a. GENERAL

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol.27, no.4, Apr. 1964.

Table of contents translated:

The Communist Party and art. p.2.
Vladich, L. - Aleksei Shovkunenko. p.12.
Kravchenko, K. - Orest Vereiskii. p.18.
Ioganson, N. - Representation and expression. p.25.
Noroditskii, L., Rozin, P. - Among remarkable people. p.29.
Lunev, A. - Rural museum. p.34.
TSel'tner, V. - "From four o'clock to midnight." p.36.
Aleksandrova, N. - N. Piskarev's book illustrations. p.40.
Gudskova, A. - Singer of the North. p.46.
Gorlainov, V. - Armando Piccinato's creative development. p.51.
Ivenskii, S. - Gaudaen's engravings. p.55.

IA[illegible], S. - The Boyana frescoes. p.59.

[illegible], G. - Interesting find. p.65.

[illegible], E. - Valuable contribution to Soviet [illegible] p.67.

[illegible], M. - Against contemporary bourgeois aesthetics. p.70.

Foreign reviews. p.72.

Art life in the Soviet Union. p.77.

LETOPIS' IZOBRAZITEL'NOGO ISKUSSTVA [CHRONICLE OF FINE ARTS]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.2, 1964.

MAKSLA [ART]. Issued by Latvijas Padomju makslinieku savieniba [Association of Artists of Soviet Latvia] and others. Riga, no.2(22), 1964 [In Latvian]

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S.S.R.]. Erivan, no.5, 1964. [In Armenian]

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, vol.24, no.6, June 1964.

TVORCHESTVO [CREATIVE WORK]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, no.5, 1964.

b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstroe SSSR and Soiuz arkhitektorov SSSR [State Committee for Public Construction and Architecture, Attached to the State Planning Committee of the U.S.S.R., and the Association of Architects of the U.S.S.R.]. Moscow, no.5, 1964.

Table of contents translated:

Improving the quality of civil building and architecture. p.3.

Gel'berg, L., Fedorov, G. - Ways of reducing the cost and improving the quality of housing. p.5.

Lopovok, L. - Some problems in the aesthetics of large-panel apartment houses. p.9.

Perfilov, I., Zakov, I. - Creative work of the Design and Planning Institute of Moscow Province. p.15.

Glinka, V. - Characteristics of planning and building cities in districts of high seismicity. p.33.

Bogorad, D. - Basic tasks of regional planning. p.37.

Knyshev, A. - Designs for research centers for chemical plants. p.39.

Gogeshvili, A., IArin, L. - Building based on inflated structures. p.41.

Makarov, A. - Unified designs of frames for public buildings. p.46.

Braude, Z., Liapin, A. - Stained glass elements in public buildings. p.49.

Garcia, Mario. - Victory monument at Playa Giron. p.55.

Zemtsov, S. - New book on the history of Russian architecture. p.63.

EHITUS JA ARKHITEKTUUR [CONSTRUCTION AND ARCHITECTURE]. Issued by ENSV Ministrite Noukogu Riiklik Ehituse ja Arhitektuuri Komitee [State Committee of the Council of Ministers of the Estonian S.S.R. for Construction and Architecture]. Tallinn, no.1, 1964. [In Estonian]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Construction and Architecture]. Moscow, vol.6, no.7, 1963.

Table of contents translated:

Sadkopertsev, A.A. - Calculation of a beam lying on a yielding foundation during the presence of a fixed dependence between pressures and settling. p.3.

Stavraki, L.N., Skriabin, V.M. - Study of the stability of three-dimensional girders by the load correction method. p.9.

Izotov, IU.L. - Study of anchoring longitudinal reinforcement on the outer free support of a beam. p.17.

Golyshev, A.B. - Calculation of non-bearing sections of prefabricated monolithic continuous structures taking into account prolonged processes. p.26.

Avdeev, IU.A. - Some problems of improving economical work in construction. p.37.

Fokov, R.I. - Calculating flow parameters in planning the erection of multistory industrial buildings. p.48.

Vylev, V.N. - Influence on the period of construction flow of alternating installations and changing the duration of private flows. p.57.

Nariadchikov, B.S. - Calculation of rock drift during frontal drift. p.67.

Izbash, A.S. - Estimating the length of the overflow section in frontal fill. p.75.

Zviagin, G.M. - Junction of tailwaters of freely falling currents. p.81.

Ginzburg, A.M. - Contactless detection of underground communications during the preparation of earthwork in cities. p.90.

Chebukov, M.F., Egorova, A.M. - Effect of various agloporites on the properties of agloporite-foamed concrete with fly ash. p.96.

Biriukovich, IU.L., Biriukovich, K.L. - Physicomechanical properties of glass reinforced cement. p.104.

Pankrushin, V.K. - General method of precalculating precise layouts of industrial and civil structures. p.112.

Gekht, A.Kh. - Calculating compressed crane booms. p.117.

Osiatinskii, A.P. - Early stage in the building of contemporary Astrakhan and role of the Kremlin in forming its plan. p.128.

Berkhoer, L.D., and others. - International system of units. p.135.

Khesin, G.L., Sakharov, V.N. - Study of the stresses on the surface of concrete samples with the aid of optically active coverings and photoelastic transducers. p.142.

Konikov, A.S. - New manual on the architecture of civil and industrial buildings. p.148.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashchikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others, Leningrad, vol.26, no.3, Mar. 1964.

Table of contents translated:

Zaporozhtsev, A.S., Trukhel', K.V. - The Obukhovskii combine, an enterprise for experimentation and demonstration. p.1.

Eshchenko, D.D. - The manufacture of synthetic materials is being developed. p.7.

Neverovskii, P.G., Chernyi, A.Kh. - Installing P.V.C. floors. p.10.

IAkker, N.I. - It is possible to make significant improvements in the planning of apartments. p.12.

Kirkhoglani, V.D. - Leningrad boarding schools. p.14.

Nikitenko, E.I., Pitliuk, D.A. - Effect of a balcony load on the strength of a self-supporting wall. p.17.

Fedortsov, B.D. - Balconies in apartment houses. p.18.

Bolotnyi, A.V. - Methods of finishing molded surfaces. p.20.

Topolianskii, A.B. - Further improvement of electrical engineering equipment for building projects. p.22.

Bibliography. p.25.

Kazarnovskii, I.I. - Determining flexures due to bending of reinforced concrete elements made without prestressing. p.26.

Technical information. p.28.

Designing and building. p.30.

Svirskii, IA.O. - Architect's anniversary. I.I. Fomin's 60th birthday. p.35.

Readers speak of our magazine; remarks and advice of participants in a correspondence conference. p.36.

In the Executive Committee of the Leningrad Soviet. p.3 of cover.

In the Leningrad section of the Union of Soviet Architects. p.3 of cover.

STROITEL'STVO I ARKHITEKTURA MOSKVY [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo Soveta deputatov trudiashchikhsia [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol.13, no.5, May 1964.

Table of contents translated:

Order of Lenin on the banner of the Main Division for Housing and Public Construction in the City of Moscow. p.1.

Golshtein, V. - Series II-49. p.2.

For the opening of the "New Developments in the Moscow Construction Industry" Exhibit. p.9.

Rudovskii, E. - New specifications for the designs of apartment houses. p.10.

Dukel'skii, G. - Studying the plans. p.11.

Brainina, E. - Problems in improving the operational qualities of large-panel buildings. p.16.

Kapeliush, A. - Ways of improving the quality of precast elements. p.19.

At Moscow building projects. p.23.

Andreev, V. - More on comprehensive, fully developed construction of residential districts. p.24.

Ginzburg, V. - First Moscow bus station. p.26.

Aleksandrov, P. - With 1100 units. p.29.

Sobolev, I., Urbakh, A. - Creative cooperation. p.32.

Kolmovskoi, A. - Glass with reinforced concrete at Moscow construction projects. p.35.

In the Executive Committee of the Moscow Council. p.3 of cover.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

AKADEMIIA NAUK URSR, Kiev. Instytut movoznavstva. Doslidzhennia z movoznavstva [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Linguistics. Studies in Linguistics]. No.1, 1962; no.2, 1963.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol.7, no.7, July 1964. [In Estonian]

MATERIALY I ISSLEDOVANIIA PO RUSSKOI DIALEKTOLOGII [MATERIALS AND RESEARCH ON RUSSIAN DIALECTOLOGY]. Issued by Institut russkogo iazyka Akademii nauk SSSR [Institute of the Russian Language of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.3, 1962.

Table of contents translated:

Kuz'mina, I.B., Nemchenko, E.V. - Postpositive particles in Russian dialects. p.3.

Kazatkin, L.L. - Progressive assimilative softening of "k" in Russian dialects. p.33.

Andreeva, L.K. - New combinations of vowels with "j" in Eastern Slavic languages. p.60.

Morakhovskaia, O.N. - Correlation of "iakan'e" types in dialects of inhabitants of the Ryazan part of the Meshchera Lowland. p.72.

Stroganova, T.G. - Pretonic vocalism of dialects of northwestern Pskov Province. p.101.

Skoblikova, E.S. - Fate of the etymological "ѣ" in the first pretonic syllable before the hard consonant in dialects of the Vladimir-Volga group. p.112.

Zlatoustova, L.V. - The nature of word stress in "okan'e" dialects with and without reduction compared with the literary language. p.121.

Shaitanova, G.V. - Extension of the area of "akan'e" dialects in Kostroma Province. p.133.

Kniazevskaia, O.A. - Pronunciation of open vowels in the first pretonic syllable after soft consonants in several Novgorod Province dialects. p.148.

Kotkov, S.I. - From the history of several dialectal words. p.156.

Pozharitskaia, S.K. - Methodology of J.I.N. Baudouin de Countenay's dialectological studies. p.165.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Studies]. vol.18, 1960.

Table of contents translated:

Preface. p.3.

Torsuev, G.P. - Experimental study of English word stress. p.11.

Pinaeva, V.M. - Intonation of interrogative sentences in French. p.131.

Torsueva, E.I. - Intonation of a complex sentence in modern English. p.158.

Milik, V.F. - Intonation of the connective part of a sentence in Russian. p.239.

Glikina, E.A. - Accentual structure of the compound word in modern English. p.246.

Artemov, V.A. - Experimental phonetics in the 40 year period, 1917-1957. p.288.

Artemov, V.A. - Perception and understanding of idiom. p.321.

Selezneva, I.S. - Perception of word stress. p.359.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNANIIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.2-3, 1964.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNANIIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.2-3, 1964.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity URSR, [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 14, no. 6, June 1964.

b. LITERATURE & FOLKLORE

AKADEMIIA NAUK SSSR. Izvestiia. Seriia literatury i iazyka [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Series in Literature and Language]. Moscow, vol. 22, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Levin, V. D. - Some objectives in studying the language of Pushkin. p. 465.
Starkov, A. N. - Theories of the Soviet satiric feuilleton in criticism of the 1920's. p. 478.
Al'tman, M. S. - Études by Dostoevskii. p. 488.
IArkho, V. N. - Lexicon of satiric dramas by Aeschylus; on the style characteristics of this genre. p. 499.
Paufoshima, R. F. - Loss of the opposition of medium and medium-upper vowel phonemes in one North Great Russian dialect; according to spectral analysis data. p. 512.
Lur'e, A. N. - Anonymous article written by Nekrasov on Russian literature of the year 1843. p. 524.
Prokof'eva, D. S. - Remarks of the Russian press on the works of Józef Ignacy Kraszewski. p. 532.
Gurevich, AM. - New books about Pushkin. p. 536.
Likhachev, D. S. - I. N. Golenishchev-Kutuzov's monograph "The Italian Renaissance and Slavic literatures of the 15th and 16th centuries." p. 540.
Gural'nik, U. A. - Soviet Russian dramaturgy. p. 544.
Muchnik, I. P. - Problems of Marxist linguistics. p. 546.
Kuz'min, A. I. - General meeting of the Department of Languages and Literature, Academy of Sciences of the U. S. S. R. p. 553.
Vainshenker, P. - Session on early Russian literature devoted to the works of Avvakum. p. 555.
Nikitina, N., Nikonova, T. - Thirteenth Nekrasov Conference. p. 555.
Izhakevich, G. P. - Republic academic conference held in the Ukraine on the culture of the Ukrainian language. p. 559.
"On a lecture delivered by V. K. Kiukhel'beker." p. 562.
Academician Ivan Ivanovich Meshchaninov. p. 563.
The V. G. Belinskii Prize. p. 564.
Contents of Vol. 22, 1963. p. 565.

ALA-TOO; literaturno-khudozhestvennyi i obshchestvennopoliticheskii zhurnal [ALA-TAU; Literary and Sociopolitical Magazine]. Organ of Soiuz pisatelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S.S.R.]. Frunze, vol. 33, nos. 4-5, Apr.-May 1964. [In Kirghiz]

ANGARA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii al'manakh [ANGARA; Literary and Sociopolitical Almanac]. Organ of Irkutskoe otdelenie Soiuza pisatelei RSFSR [Irkutsk Branch of the Association of Writers of the R.S.F.S.R.]. Irkutsk, no. 2(59), Apr.-June 1963.

AZERBAICHAN [AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 5, May 1964. [In Azerbaijani]

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, nos. 6-7, June-July 1964. [In Latvian].

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN; bibliograficheskii biulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. and FOREIGN COUNTRIES; Bibliographical Bulletin]. Issued by Vsesoiuznaia biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 3, 1964.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, vol. 6, no. 5, May 1964.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 8, nos. 5-6, May-June 1964.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 22, no. 3, May-June 1964.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no. 6, June 1964. [In Estonian]

MOLODAIA GVARDIIA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 6-7, June-July 1964

MOSKVA [MOSCOW]. Organ of Soiuz pisatelei RSFSR and Moskovskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R.] and the Moscow Branch of the Association of Writers]. Moscow, vol. 8, no. 4, 1964.

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1964.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, 1964.

NOVYI ZHURNAL. THE NEW REVIEW. New York, vol. 23, no. 76, 1964.

OKTIABR' [OCTOBER]. Organ of Soiuz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, vol. 40, no. 1, Jan., 1964.

Table of contents translated:

Our friends, Happy New Year! p. 3.
Vikulov, Sergei - Admiring the sunrise; a poem. p. 5.
Kraminov, Daniil.- Cupid and the turtle; a novel (to be continued). p. 24.
Antokol'skii, Pavel.- From a book of travels; cycle of verse. p. 70.
Kochetov, Vsevolod.- And so it began; notes of the war years. p. 75.
Egorov, Boris.- Surprise in a red portfolio; a satiric tale. p. 121.
Svetlichnyi, B. - Man and the city. p. 163.
Shcherbakov, D. - That which is perturbing. p. 176.
Khaliletskii, G. - Indifference toward public property. p. 179.
Butkovskaia, L. - And a smile in addition. p. 182.
Khrenkov, D. - In memory of heroes. p. 184.
Nikitin, Petr.- To love in the real way. p. 185.
Gubarev, L. - "Earthly rehearsals." p. 187.
Aleksandrov, P. - Our literary sister. p. 188.
Lapunova, N. - Might of the poster. p. 188.
Fate of a performance. p. 189.
Vladimirov, IU. - Spiritualistic séance in poetry. p. 190.
Dremov, An. - Reality, ideals, idealization (to be continued). p. 192.
Revlakin, A. - New word about L. N. Tolstoi. p. 208.
Tikhonov, IA. - The cause which you serve. p. 212.
Perventsev, Arkadii.- Chronicle of an era. p. 215.
Dalada, Nikolai.- Merry and biting talent. p. 217.
In brief about new books. p. 219.

Vol. 40, no. 2, Feb. 1964.

Table of contents translated:

Pankratov, IUrii.- In the line of fire; cycle of verse. p. 3.
Kraminov, Daniil.- Cupid and the turtle; a novel (conclusion). p. 9.
Orlov, Sergei.- From the position of the heart; cycle of verse. p. 118.
Maksimov, Vladimir - Call signs of your parallels; a play. p. 123.
Zhuravlev, Vasilii.- Road to a friend; cycle of verse. p. 143.
Rodichev, Nikolai.- Egor Il'ich; not turning back; stories. p. 147.
Rumiantseva, Maiia.- Porters; verse. p. 153.
Zaurikh, Aleksei.- Crimea; verse. p. 155.
Samoilov, F. - Vasia Alekseev Street. p. 156.
Chemekov, L. - Downfall. p. 166.
Maevskii, Viktor.- Murder of the president. p. 177.
Dremov, An. - Reality, ideals, idealization (conclusion). p. 190.
Perventsev, Arkadii.- Liberation campaign in the Balkans. p. 207.
IAnovskii, N. - Beware of scorpions! p. 210.
Osetrov, Evgenii.- Side by side with Moscow. p. 216.
Fomenko, Lidiia.- In the land of Kol'tsov and Nikitin. p. 219.
In brief about new books. p. 221.

PERGALE [THE VICTORY]. Organ of Lietuvos TSR rasytoju sajunga [Association of Writers of the Lithuanian S.S.R.]. Vilnius, nos. 6-7, 1964. [In Lithuanian].

RUSSKAIA LITERATURA [RUSSIAN LITERATURE]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U.S.S.R.]. Leningrad, vol. 7, no. 2, 1964.

RUSSKII FOL'KLOR; materialy i issledovaniia [RUSSIAN FOLKLORE; Materials and Studies]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, 1963. Narodnaia poeziia slav'ian [Slavic folk poetry].

Table of contents translated:

Azbelev, S. N. - Chronicle composition and folklore. p. 3.
Barag, A. G. - The "giants" of the White Russian folk tales and legends; formation of the epic poetry of the Eastern Slavs. p. 29.
Kirdan, B. P. - Genre transformation of Ukrainian dumy. p. 41.
Bogatyrev, P. G. - The picture of a national hero in Slavic legends and the folk tale tradition. p. 51.
Krzyzanowski, Julian - Disguise of woman as a boy; history of the motif of "change of sex." p. 56.
Kapelus, Elena - Seven Polish folk tales of Russian origin. p. 67.
Kukulski, Leszek - Reflection of Russian folklore in A. Mickiewicz's "Pan Tadeusz." p. 75.
Novikov, N. V. - Collection and comparative study of the East-Slavic folk tales. p. 81.
Horalek, Karel - Mutual ties in the field of Slavic folk ballards. p. 98.
Putilov, B. N. - Slavic ties of the Russian historical ballards. p. 102.
Balashov, D. M. - The "Ballad about the death of the slandered woman"; problems concerning studies of ballads of Russian, Ukrainian, and White Russian peoples. p. 132.
Zemtsovskii, I. I. - Ballad about a daughter transformed into a bird; mutual ties of Slavic folk songs. p. 144.
Mitrofanova, V. V. - Resemblance between Russian and Bulgarian riddles. p. 160.
Saulic, Novica. - Origin of the Serbian heroic songs of the Kosovo cycle. p. 175.
Sheptaev, L. S. - The Serbian song about the Kulikovo Battle. p. 181.
Kolpakova, N. P. - Genre ties between the folk songs depicting the way of life of Eastern Slavs. p. 186.
Pozdneev, A. V. - Polish songs in 18th century Russian holograph song books. p. 206.
Gel'gardt, R. R. - Studies of labor folklore. p. 215.
Okhrimenko, P. P. - Interrelations in folk song creation among the Eastern Slavs during the years of the Great Patriotic War. p. 229.
Solmonov, A. D. - New trends in the folklore of the Eastern Slavs. p. 241.
Stoikova, Stefana. - Contribution of Russian scholars to the development of Bulgarian folklore studies in the 19th century. p. 273.
Nedo, Paul. - I. I. Sreznevskii and the Wendic folklore. p. 288.
Kolesnitskaia, I. M. - I. I. Sreznevskii as folklorist, 1840 to the 1850's. p. 296.
Rovda, K. I. - Russian contacts of a Czech folklorist. p. 320.
Gol'berg, M. IA. - Problems of folk song style in A. A. Potebnia's works. p. 336.
Mel'ts, M. IA. - A. N. Pypin, an investigator of the folklore of the Slavs outside of Russia. p. 357.
P'ianykh, M. F. - From the history of the writing of the "Encyclopedia of Slavic philology." V. Jagič's unknown letters to A. N. Pypin. p. 373.
Astakhova, A. M., and others. - Answers to questions for the scholarly questionnaire sent out on the occasion of the Fifth International Congress of Slavists. p. 381.
Mel'ts, M. IA. - Folklore of the Western and Southern Slavs; materials published in Russian in the Soviet and foreign press, 1957-1961. p. 399.

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz pisatelei Tatarii [Association of Writers of Tataria]. Kazan, vol. 43, no. 5, May 1964. [In Tatar]

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no. 5, May 1964. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Erivan, no. 5, 1964. [In Armenian]

URAL. Issued by Sverdlovskoe otdelenie Soiuza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R.S.F.S.R.]. Sverdlovsk, vol.7, no.6, June 1964.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Lvov, vol.15, no.5, May 1964.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no.5, May 1964.

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Leningrad, no.8, Aug. 1963.

Table of contents translated:
Stories by young Leningrad writers:
  Il'chenko, Liudmila. - Crossroads. p.3.
  Ivanov, B. - Varia Godunova. p.9.
  Bitov, Andrie. - In practice. p.16.
  Leonov, Aleksei. - Apples fall. p.22.
  Siliakov, A. - Pronia. p.29.
  Glinskaia, I. - "We are not heroes." p.34.
Shestinskii, Oleg. - In Razliv; In a Kazakh village square; I'm in the Amur Valley...; verse.
Kezhun, Bronislav. - By the blue sea; verse. p.42.
Zhuravlev, Mikhail. - Autumnal verse. p.44.
Kirnosov, Aleksei. - Desert island; a tale. p.47.
Nekrasov, Georgii. - Aksakal Gavrilov; a story in verse form. p.78.
Solaris; a science-fiction tale (to be continued). Stanislaw Lem. Translated from the Polish by Dm. Bruskin. p.85.
Akimov, A. - In the depths of the Earth; a talk with M.A. Sadovskii, corresponding member of the Academy of Sciences of the U.S.S.R. and Hero of Socialist Labor. p.110.
Golovanov, K. - Atomic caravan on ice. p.129.
Kirichenko, A. - Stars on the banks. p.138.
Shubinskii, A. - Leaving sound behind. p.139.
Linko, S. - Bearings made of wood. p.140.
Vakhrameev, B. - In quest of the beautiful. p.141.
Semenov, O. - Inexhaustible Klondike. p.142.
Khrshanovskii, Andrei. - Road to the North. p.143.
Kholopov, Georgii. - Mystery of Garni. p.147.
Tudorovskii, A. - Role and age are not in accord.
Pinegina, E. - In an icy desert. p.151.
Sergeenko, A.P. - From reminiscences about L.N. Tolstoi (conclusion). p.153.
Moldavskii, Dm. - An art which withdraws from life. p.164.
Mendel'son, M. - A question heard twice; remarks on the works of John Steinbeck. p.169.
Nazarenko, IAkov. - Going forward! p.178.
Kalmanovskii, E. - In quest of wisdom. p.181.
Kondratov, A. - Physicists to lyric poets; on Gleb Anfilov's book "Physics and music." p.185.
Gubko, N. - Pegasus is at liberty; on Viktor Bokov's book of verse "Vesna Viktorovna." p.186.
Dymshits, Elena. - A poetess and her translators; on Maro Markarian's book of verse. p.188.
Vechtomova, Elena. - On V. Kamenskii's book of selected prose "Summer in Kamenka." p.191.
Kovylev, V. - On V. Safonov's stories "Journey into another life" and "Burned by the sun." p.191.
Berezark, I. - On Natan Rybak's novel "Time of hopes and achievements." p.192.
Shevtsov, Al. - On B. Kolokolov's book "Land on the horizon." p.193.
Podsosov, A. - On Sabit Rakhman's book of tales and stories "Nightingale." p.193.
Altanskii, IUr. - On the book by E. Gugushvili and A. IUfit entitled "The Bolshevik press and theater." p.194.
Meilakh, B. - On S. Mashinskii's book "S.T. Aksakov; his life and works." p.194.
Nazarenko, Veronika and Vadim. - Two dogs; a humorous tale. p.196.

No.8, Aug. 1963.

Table of contents translated:
For a communist ideology. p.3.
Obukhova, Lidiia. - Wonderful lands; travel diaries (second trip). p.8.
Tank, Maksim. - Pure dew; verse. p.43.
Grashi, Ashot. - From new verse. Translated from the Armenian by Stanislav Kuniaev, Vl. Savel'ev. p.45.
Borisov, Leonid. - In anguish and in glory; tale. p.49.
Avramenko, Il'ia. - Hands and heart, Lyrical subject, Gornaya Shoriya landscape; verse. p.84.
Gitovich, Aleksandr. - Equality, Event, Poetry reader, Everyday; verse. p.86.
Kutov, Nik. - The road, We came here; verse. p.88.
Kaletskaia, Tat'iana. - Milochka came to a Pioneer camp; story. p.89.
Vasilenok, Evgenii. - Miraculous staircase; story. p.94.
Molchanov, B. - Word of honor; story. p.100.
Green, Graham. - Stories: Brother, the success of Mr. Lever, Anniversary celebration. Translated from the English by A. Teterevnikova, E. Petrova. p.107.
Poets of free Indonesia; translations by S. Severtsev:
  Bandakharo. - No one leaves the road. p.121.
  Rendra, V.S. - The partisan, Anita. p.121.
  Rossidi, Aip. - Dishonor. p.122.
  Situmorang, Sitor. - Evening in a "kampoong." p.122.
  Risakotta, Frederik. - Return. p.123.
  Aidit, Sobron. - At the railroad station. p.123.
  Anantaguna, Sabasantosa. - Mother. p.124.
Shelest, P. - Occupation - machine operator. p.125.
Liubarskii, A. - "Papiraseo" from Sao Paulo. p.134.
Aleksandrov, I. - In competition with the silkworm. p.135.
E.Sh. - Radio station pill. p.136.
Kirpichnikova, I. - In search of "living water." p.137.
Verkhovskaia, N. - Lights on the course. p.139.
Khalileiskii, G. - Island academy. p.144.
Kotovshchikova, A. - Why is he like that? p.145.
Prussakova, I. - At fifteen. p.154.
IAshin, Mikhail. - Chronicle of the preduel days. p.159.
El'iashevich, Ark. - Indissoluble unity. p.165.
Barabash, IUrii. - Beauty of truth. p.203.
Ustinov, Vl. - From party positions ("Art, aesthetics, life" by N.IA. Malakhov). p.211.
Aleksandrov, A. - Two books by Boris Polevoi, a novel "On a wild shore" and a narrative "S. Er'zia." p.214.
Lanskoi, M. - Talent; story. p.217.
Malin, Aleksei. - Miniatures. p.220.
Turkin, V. - Ten thousand on a saucer; fairy tale. p.220.
Bershadskii, Rud. - From a notebook. p.221.
Libin, M., Kireev, R. - Verse. p.222.

No.1, Jan. 1964.

Table of contents translated:
Dudin, Mikhail - Song of Voron'ya Mountain; narrative poem. p.3.
Alekseev, Mikhail - Bread, a substantive noun; a tale in novella form. p.9.
Geidar, Ramiz - I see Lenin; narrative poem. Translated from the Azerbaijani by Tamara Zhirmonskaia, IUrii Khazanov. p.109.
Kulagin, Vl. - My friends; verse. p.112.
Tikhonov, Nik. - From the blockade period. p.113.
Saparov, A. - Metal and flowers; from war notebooks. p.119.
Sukhin, Konst. - It took place in those days. p.126.
Dukhanov, Mikhail - Notes of army commander 67. p.132.
Lagunov, F. - Along Ladoga ice. p.162.
Golikov, V. - 28 and 1500. p.167.
Altanskii, IU. - Muses under cannon fire. p.168.
Smirnov, N. - Grenade battle. p.170.
Moldavskii, Dm. - Not pretending to generalize. p.172.
Kholopov, Georgii. - Fortieth anniversary of "Zvezda." p.185.
Filatova, A. - Kristionas Donelaitis; on the 250th anniversary of his birth. p.189.
Zaitsev, V. - Bard of Slavic destinies; on the 375th anniversary of Ivan Gundulich's birth. p.192.
Shcherbina, V. - In the battle for realism; M. Gor'kii and problems of Soviet literature. p.196.
Orlova, R. - On revolution and love, on life and death; on the publication of E. Hemingway's novel "For whom the bell tolls." p.206.
Urban, A. - Rich memory ("Pages of recollections" by N. Tikhonov). p.214.
Amsterdam, A. - Sharpened talent ("M. Gor'kii and Soviet writers. Unpublished correspondence. Literary legacy.") p.216.
Ardov, V. - Horsemen; story. p.219.
Karlinskii, Vladlen. - From a satirist's notebook. p.222.

No.2, Feb. 1964.

Table of contents translated:
Nazar Nadzhimi. - Birches; ballad. Translated from the Bashkir by Sergei Severtsev. p.3.
Sheremet'eva, E. - Heralds of spring; novel. Book 2. p.6.
Avramenko, Il'ia. - Little house at the 13th verst, Flight into the mountains, Ash tray; verse. p.88.
Kurochkin, V. - Marinka; story. p.91
Glinskaia, I. - I am a carpenter; story. p.94.
Komarov, Leonid. - Potatoes boiled in their jackets; story. p.98.
Petrov, Mikhail. - Halfway; story. p.104.
Poskrebychev, Oleg. - A word about Russia; verse. p.112.
Golant, V. - Trojan donkeys; pamphlet. p.116.
Liubarskii, A. - The hero remains in uniform. p.124.
Martynova, K. - Land-air-land. p.125.
Karyshov, O. - Generous wanderer. p.126.
Kheifets, M. - "By breaking up into small cells." p.127.
Golovanov, L. - What the grass speaks about. p.128.
Zhuravleva, V. Al'tov, G. - Trip to the epicenter of polemics. p.130.
Veresov, A. - "Case concerning the events on Senate Square." p.130.
Lantsov, V. - "I know that a city will be created." p.142.
Shaposhnikova, Maiia. - The regular tests. p.145.
Poltorak, A. - Nuremberg epilogue. p.152.
Dreiden, Sim. - The story of a concert. p.175.
Andriasov, Mikhail. - The word of Sholokhov. p.194.
Plotkin, L. - Feat of the people. p.199.
Urban, A. - Stranger than a foreign name ("Evgeniia Ivanovna"; tale by Leonid Leonov. p.204.
Makarevich, A. - New road in the Poles'ye ("People in the swamp; from a Poles'ye chronicle" by Ivan Melezh. p.209.
Klepikova, E. - "Recollections about Il'ia Il'f and Evgenii Petrov." p.210.
Smirnova, A. - "Keys" by Fedor Gordeev. p.211.
Ivin, M. - "Steps through the dew" by V. Peskov. p.211.
Zavodchikov, Vl. - "Painting" by N. Uraev. p.212.
Mallarova, Irina. - "May snow" by Tamara Nikitina. p.213.
Mikhailov, Igor'. - "Voices of three Hawaiian islands." p.213.
Iezuitova, L. - "History of Russian literature from the end of the 19th to the beginning of the 20th century." p.214.
Chentsov, V. - "Psychological warfare of NATO" by Gerhard Sasworka. p.215.
Tumanov, Vladimir. - Fateful mistake; story. p.216.
Kozhun, Bronislav. - Waters and tears; verse. p.218.
Such strength; fairy tale for grownups. p.219.
Khramutichev, A. - Verse. p.220.
Stories about the sage Birbal. Translated from the Hindu by K. Afanas'ev, N. Volkov. p.221.
Brandis, E. - Mournful notes. p.222.

No.3, Mar. 1964.

Table of contents translated:
Wreath for the bard: Rozhdestvenskii, Vs. - Poem portrait. p.3.
Komissarova, Mariia. - The lines of the bard march from century to century; verse. p.10.
Avramenko, Il'ia. - Campfires of Taras; verse. p.11.
Azarov, Vsevolod. - Flame of truth; verse. p.12.
Zhur, Petr. - Sacred words; verse. p.12.
Obukhova, Lidiia. - Kindness; play. p.13.
Popova, Liudmila. - A meeting; verse. p.43.
Nikol'skaia, Larisa. - Aunt Katia; verse. p.44.
Shchipakhina, Liudmila. - Indifferent; verse. p.45.
IAvorskaia, Nora. - In the father's country; verse. p.46.
Akhmatova, Anna - Two poems from the cycle "Midnight verse." p.47.
Polonskaia, Elizaveta. - Dam in Poedy; On the Cherry hill; verse. p.48.
Sheremet'eva, E. - Heralds of spring; novel. Book 2 (conclusion). p.49.
Vakhrameev, B. - When a man is enthusiastic. p.119.
Fedorov, I. - True friend. p.126.
Kirichenko, A. - We have sunshine. p.127.
Vladimirova, A. - Partisan mother. p.129.
Zhurba, Pavel. - The third storm. p.131.
Liubimov, L. - Through layers of time. p.136.
Brazhnin, I. - The writer and his work. p.140.
Matsapura, N. - In the family of Russian friends. p.153.
Shumakov, IU. - The bard in Estonia. p.157.
Zyrin, A. - Everlasting memory. p.159.
Kovalev, I. - New documents on the rebel poet. p.161.
Poltorak, A. - Nuremberg epilogue (conclusion). p.163.
Druzhinin, Igor'. - By one tenth of a grade; teacher's notes. p.193.
Fomenko, Lidiia. - "A good name lives forever"; notes on 1963 literary prose. p.198.
Sapunov, B. - At the sources. p.205.
Liublinskii, S. - Devotee of books. p.209.
El'iashevich, Ark. - Victory is not won without sacrifices ("Soldiers are not born"; novel by K. Simonov). p.213.
Aleksandrov, A. - Journey to a wonder ("Verse on route" by Aleksandr Prokof'ev). p.216.
Bakov, A. - With open heart ("Open letter"; verse by Suleiman Rustam). p.218.
Travinskii, V. - War for the mind ("Who stole Punnakan"; pamphlet tale by Roman Kim). p.220.
Rejoinder: Why bang the table. p.222.

[illegible]

Table of contents translated

[illegible]

12. GEOGRAPHY & GEOLOGY

• ETHNOLOGY

AKADEMIIA NAUK SSSR. Institut etnografii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Ethnography. Transactions]. Moscow, vol. 97, 1964.

Contents: Aleksandrov, V. A. [Russian population of Siberia from the 17th to the early 19th century (Yenisei region)] Russkoe naselenie Sibiri XVII-nachala XIX v. (Eniseiskii krai). 383 p.

NARODNA TVORCHIST' TA ETNOGRAFIIA [FOLK ART AND ETHNOGRAPHY]. Issued by Instytut mystetstvoznavstva, fol'kloru ta etnohrafii Akademii nauk URSR and Ministerstvo kul'tury Ukrains'koi RSR [Institute of the Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S.S.R., and the Ministry of Culture of the Ukrainian S.S.R.]. Kiev, [illegible], no. 3, July-Sept., 1963.

Table of contents translated

[illegible]

Hrytsai, M. S. — Activities of the Ethnographical Department of the Institute of Art, Folklore and Ethnography of the Academy of Sciences of the Ukrainian S.S.R. from 1961 to 1962. p. 181.
[illegible] — A valuable manual for the folklore anthologists of the regional folklore centers. p. 185.
[illegible] — Collecting of folklore in the Donets Oblast. p. 187.
[illegible] — Celebration of the 150th anniversary of [illegible] birth. p. 188.
[illegible] — A treasure chest of folk art. p. 191.
On the eve of the Seventh International Congress of Anthropological and Ethnographical Sciences. p. 193.
The international ethnographical and folkloristic journal "Ethnos." p. 194.
[illegible] — A monograph concerning the [illegible]. p. 195.
[illegible] — Intensify the collection of folk proverbs and sayings. p. 196.
[illegible] — A history glorifying labor. p. 196.

Vol. 7, no. 4, Oct.-Dec. 1963.
Table of contents translated:
Fifth International Congress of Slavists. p. 3.
[illegible], B. S. — Problems concerning studies of Ukrainian folk art. p. 7.
[illegible], A. M. — Some features of the popular musical creativeness. p. 14.
[illegible] — Study of the ethnic composition of the Ukrainian population. p. 20.
Pinchuk, S. P. — The "Lay of the Host of Igor" and the oral folk poetry. p. 27.
Gordiichuk, M. M. — Motives from folk music in the first Ukrainian symphony. p. 35.
[illegible], I. M. — Lesia Ukrainka and folk songs. p. 40.
[illegible], K. V. — Common trends in the rhythm and melodies of Bulgarian and Ukrainian folk songs. p. 46.
[illegible], O. S. — In the homeland of the astronaut Pavel Popovich. p. 55.
Lashchuk, Iu. P. — Development of the ornament on the Opishnya pottery. p. 60.
Pavliuk, M. M. — Ivan Franko's folkloristic legacy. p. 73.
[illegible] — Contemporary mural painting in Petrikovka. p. 79.
[illegible], V. M. — Common motives in the Ukrainian, Czech and Slovak social and folk songs. p. 81.
[illegible], S. V. — Mode of life of the construction workers building the first railroad in the Ukraine. p. 88.
[illegible], IA. D. — Culture and mode of life of the urban population of Galicia from the 17th to the 18th century. p. 94.
Solomchenko, O. H. — Creations of the brothers Ilia and Semen [illegible]. p. 101.
[illegible] — [illegible], an outstanding folk painter of the 19th century. p. 103.
[illegible] — Some thoughts on "Prince Sviatoslav's dream" in the "Lay of the Host of Igor." p. 109.
[illegible] — "Kolomyika" of the central Carpathian Mountain region. p. 113.
Ukrainian folk songs. p. 116.
[illegible] — Amateur folk theaters of the White Russian S.S.R. p. 118.
[illegible]
[illegible] — An album of Ukrainian folk costumes. p. 133.
[illegible]
Makarenko, H. M. — Attending the Ivan Kupala peasant festival. p. 158.
Table of contents of "Narodna tvorchist' ta etnohrafiia" for 1963. p. 159.

Vol. 8, no. 2, Mar.-Apr. 1964.
Table of contents translated
Editorial. Taras Shevchenko and the present time. p. 3.
[illegible] — Lenin and Shevchenko. p. 8.
[illegible] — Academician of engraving. p. 10.
[illegible], IA. P. — Folk sources of Shevchenko's paintings and engravings. p. 20.
[illegible] — Collector of folk songs. p. 32.
[illegible] — Two types of syllabic verse in Shevchenko's poetry. p. 44.
[illegible] — Shevchenko and Serbian songs. p. 50.
[illegible] — Fraternal peoples and the great bard. p. 64.
[illegible] — The poet surrounded by the heroes of his works. p. 69.
[illegible], V. O. — Folk song variations in Shevchenko's work from Volhynia. p. 70.
[illegible] — Monuments of the great bard. p. 73.
[illegible], L. M. — Folk art in Taras Shevchenko's native country. p. 79.
Taras' word to our armor and pride. p. 81.
[illegible] — T. H. Shevchenko and folk education. p. 86.
Folk dances. p. 89.
[illegible] — Research on T. H. Shevchenko's ethnographic activity. p. 92.
[illegible], O. V. — Shevchenko and folk poetry. p. 94.
[illegible] — The people on their poet. p. 98.
[illegible] — Shevchenko's poetry in Czechoslovakia. p. 103.

[illegible], P.M. - A.Svydnyts'kyi's folkloristic and ethnographic interests. p.100.
Cramata, N.P. - The "Naukova dumka" Publishing House's publications issued on the occasion of Shevchenko's sesquicentennial. p.101.
Plachynda, V.P. - Amateur art groups on the eve of the Shevchenko celebrations. p.104.
[illegible], V.M. - A folk wood-carver's contribution to Shevchenko's celebrations. p.106.
[illegible], N.M. - Shevchenko movies abroad. p.108.
On the eve of the Seventh International Congress of Anthropological and Ethnographical Sciences. p.109.

b. GEOGRAPHY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut geografii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Geography. Transactions]. Tiflis, vol.18, 1963.

Table of contents translated:
Maruashvili, L.I. - Geomorphological study of Mingrelia. p.23.
Nemanishvili, S.N. - Terraces of the Tskhenis-Tskali Valley. p.51.
Changashvili, G.Z. - Geomorphological study of the adjacent territories of Imeretia and Mingrelia (the part of the Tskhenis-Tskali and the Abasha River Basins). p.82.
Kiplani, Sh.IA. - Formation conditions of karstic caves in the western Gumista Basin. p.96.
Tintilozov, S.K. - Geomorphological observations in the karstic caves of the western Gumista Basin. p.113.
Ukleba, D.B. - Physiocogeographical regionalization of South Ossetian Autonomous Province. p.130.
Kavrishvili, K.V. - Types of the karstic landforms of Abkhazia and the characteristics of main types based on the example of the Okhachkuye and the Bzybskiy Ridges. p.156.
Sokhadze, E.V., Sokhadze, M.E. - Botanical and geographical characteristics of the Kvira and the Okhachkuye limestone massifs. p.161.
Kordzakhiia, M.O., Dzhavakhishvili, Sh.I. - Vertical temperature gradients on the southern slope of the Caucasus Range within the limits of Georgia. p.195.
Gogishvili, K.S. - Circulatory factors in the climate of western Georgia. p.214.
Vladimirov, L.A. - Hydrological regionalization of Georgia. p.217.
Vladimirov, L.A., Gvakhariia, V.K. - The average runoff of eastern Caucasus rivers. p.223.
Giginelshvili, G.N. - Regime of rivers and springs in the karst zone of Abkhzia from Gumista to Madzhara. p.243.
Shengeliia, R.G., Chidzhavadze, M.V. - Regime of the Chalaati glacial river in the summer of 1960. p.252.
Kharadze, R.D., Lomtatidze, G.V. - Morphological characteristics and the deglaciation stages of the Tviberi Glacier. p.264.
Lashkhi, T.A., Inashvili, Sh.Sh. - Meteorological and actinic observations on the Tviberi Glacier. p.280.
Kalandadze, G.D. - Hydrological observations over the runoff of the Tviberi River. p.295.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geograficheskaia [ADACEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no.3, 1964.

Table of contents translated:
Academician E.N. Pavlovskii is 80 years old. p.3.
Gerasimov, I.P. - Paleogeographical paradox of the Pamirs. p.4.
Timofeev, D.A. - Practice in correlating the peneplanation of the globe. p.14.
Shiffers, E.V. - Perennial repeated geobotanical studies and permanent profiles (topoecological series). p.24.
Komar, I.V., Pokshishevskii, V.V., Rozin, M.S. - Problems of economic development and the exploitation of natural resources of developing countries in the interpretation of the journal "Scientific American. P.27.
Glukhov, V.N. - Changes in the geography of the chemical industry of Italy in the postwar years. p.35.
Gorodetskaia, M.E. - Morphostructure and relief age of the plains of the southern part of Western Siberia. p.41.
Korzhuev, S.S. - Natural erosion in the zone of perennial congelation. p.48.
Mozhaev, B.N., Mozhaeva, V.G. - Stepped relief in the region of the Valday glaciation. p.52.
Frolov, V.IA. - Slope asymmetry of the gully and ravine network of Kursk Province and the role of firns in their formation. p.59.
Chernyshev, E.P. - Soil erosion and water turbidity in the conditions of the Klin-Dmitrov Ridge. p.64.
Shpolianskaia, N.A. - A numerical method of surveying frozen ground using the example of Transbaikalia. p.70.
Kuznetsov, V.V. - Incunabula maps in the collection of the M.E. Saltykov-Shchedrin Public Library. p.78.
Pokshishevskii, V.V. - Methodological principles of the evaluation of the living conditions of the population in various geographical surroundings. p.89.
Rykhlovsky, Bogumil. - On the conception of "homogeneous" and "junction" regions. p.102.
Baikov, V.S. - A fundamental work on the economic geography of Hungary. p.112.
Vol'f, M.B. - A new monograph on Eastern Siberia. p.116.
Martynova, Z.I., Mints, A.A. - A comprehensive atlas of the Azerbaijan S.S.R. p.119.
Maksakovskii, V.P. - A fundamental work on the economic geography of Czechoslovakia. p.123.
Dumitrashko, N.V. - The All-Union Conference on the Paleogeography and Geomorphology of the Caucasus. p.126.
Khotinskii, N.A. - On the 60th anniversary of M.I. Neishtadt's birthday. p.128.
Nikolai Nikolaevich Baranskii, an obituary. Editorial Board. p.130.
Gokhman, V.M., Nazarevskii, O.P. - N.N. Baranskii and Soviet geography. p.130.
Gerasimov, I.P., and others. - In memory of Anastas Beshkov, a famous Bulgarian geographer. p.134.

AKADEMIIA NAUK SSSR. Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography. Transactions]. Moscow, vol.68, 1964. Issledovaniia morskikh donn'ykh osadkov i vzvesei [Study of marine bottom sediments and suspensions].

Table of contents translated:
Vikhrenko, N.M. - Suspended matters in the northwestern half of the Atlantic Ocean based on the data of the seventh voyage of the electric propulsion ship "M. Lomonosov." p.3.
Beliaeva, N.V. - Distribution of plankton foraminifers in the waters and the bottom of the Indian Ocean. p.12.
Saidova, Kh.M. - Distribution of bottom foraminifers and the stratigraphy of sediments in the northeastern part of the Pacific Ocean. p.84.
Vikhrenko, N.M. - Organic matter in the surface layer of sediments in the northern part of the Atlantic Ocean. p.120.
Lavrov, V.M. - Deep-sea sediments in the North African Basin of the Atlantic Ocean. p.136.
Gipp, S.K. - Some characteristics of the mineralogical composition of bottom sediments in the Atlantic Ocean. p.157.
Savel'eva, K.P. - Bottom sediments in the northern part of the Sea of Azov. p.166.
Goncharov, V.P., Mikhailov, O.V. - Methods for the detailed echo sounding of the bottom relief. p.196.

Vol.73, 1964. Biologiia i rasprostranenie ryb Tikhogo i Indiiskogo okeanov [Biology and the distribution of fishes of the Pacific and Indian Oceans].

Table of contents translated:
Rass, T.S. - Changes in the size of the eyes and coloration of the body in facultative deep-sea fishes. p.3.
Bekker, V.E. - Slender-tailed lantern fishes (genera Loweina, Tarletonbeania, Gonichthys and Centrobranchus) of the Pacific and Indian Oceans. Their taxonomy and distribution. p.11.
Pertseva-Ostroumova, T.A. - Some characteristics of the structure of larvae of the family Myctophidae. p.76.
Mukhacheva, V.A. - Species of the genus Cyclothone (Pisces, Gonostomidae) in the Pacific Ocean. p.93.
Makushok, V.M. - Specific identity of Nematonurus longifilis (Günther, 1877) and N. clarki (Jordan et Gilbert, 1898) and some notes on age variability in Macruridae (Pisces). p.139.
Parin, N.V. - Materials on the biology and distribution of pelagic sharks Euprotomicrus bispinatus and Isistius brasiliensis (Squalidae, Pisces). p.163.
Parin, N.V. - Taxonomic position, geographical variability and distribution of the ocean halfbeak Euleptorhamphus viridis (Van Hasselt) (Hemirhamphidae, Pisces). p.185.
Kovalevskaia, N.V. - Materials on the embryonic and postembryonic development of flying fishes of the genus Exocoetus (Pisces, Exocoetidae). p.204.
Parin, N.V., Gorbunova, N.N. - Reproduction and development of some synentognathous fishes (Beloniformes, Pisces) of the Indian Ocean; based on collections of the E/S. "Vitiaz'." p.224.
Gorbunova, N.N. - Reproduction and development of sculpins of the subfamily Hemilepidotinae (Cottidae, Pisces). p.235.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Komi filial. Izvestiia [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Komi Branch. Bulletin]. Syktyvkar, no.8, 1963.

Table of contents translated:
Decisions of the 22nd Congress of the CPSU and geographers' tasks. p.3.
Semenov, I.M. - The Pechora Economic Region of the Komi A.S.S.R. p.5.
Loseva, E.I. - Stratigraphy of Quaternary sediments in the upper Mezen'. p.15.
Bobov, N.G. - Dependence of the temperature regime of the upper levels of frozen formation from the relief in Khal'mer-yu region. p.23.
Shamanova, I.I. - Influence of the industrial development of Vorkuta City territory on the establishment and dynamics of seasonal freezing and thawing. p.32.
Brattsev, A.P. - Distribution of atmospheric precipitation on the territory of the Komi A.S.S.R. p.38.
Vlatkina, A.M. - Snow cover in the Shchugor Basin. p.40.
Solovkina, L.N. - Additional materials on the hydrobiology of the upper Pechora. p.50.
Raznitsyn, V.A. - Establishing main trends in prospecting for petroleum and gas in the Komi A.S.S.R. p.68.
Molin, V.A. - Permian vegetation and climate of the Kanin Peninsula according to spore and pollen analysis. p.72.
Chermnykh, V.A. - A transportive role of ice on the Shchugor River. p.70.
Goldina, L.P. - Specific drainage basin and constitutional exchange of water in Vashylkiny Lakes. p.70.
Gabova, E.N. - The anopheles in the vicinity of the city of Syktyvkar. p.84.
Tur'eva, V.V. - New data on the distribution of forest lemming in the Komi A.S.S.R. p.87.
Irzhak, L.I. - New data on the physiology of the moose in the Pechora-Ilych Reserve. p.88.
Zverova, O.S. - K.Holdhaus' "Traces of the glacial period in the animal kingdom of Europe." p.92.
Tur'eva, V. - Work of the Komi Branch of the All-Union Geographical Society in 1961. p.93.
Kus'kokova, N.N. - Aleksandr Aleksandrovich [illegible] obituary. p.99.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Otdelenie uchebnoi geografii. Materialy [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Department of Geographical Education. Materials]. Leningrad, no.1, 1963.

Table of contents translated:
Pinksin, A.A. - A regional study museum in a school. p.5.
Chirkunov, I.F. - From practice in conducting regional study excursions. p.14.
Nikitin, N.D. - Field movement following the azimuth. p.23.
Surovtsev, N.S. - Excursion to a textile factory for practical training in economic geography. p.35.
Darinskii, A.V. - Selecting material for grade 6-7 lessons on the geography of parts of the world and principal states. p.58.
Darinskii, A.V. - Model for planning a subject matter for grade 6-7 course on the geography of parts of the world and principal states. p.73.
Borozdinov, N.M. - Students' independent work system in grade 6 geography lessons. p.82.
Dmitrovskii, IU.D. - In the Alps. p.89.
Bolon'kaia, V.D. - Principal characteristics of the toponymy of British cities. p.97.
Surovtsev, N.S. - Self-made three-dimensional visual aids for geography. p.102.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Zabaikal'skii otdel. Zapiski [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Transbaikal Branch. Annals]. Chita, no.18, 1962.

Table of contents translated:
From the editorial and publishing committee. p.3.
Sizikov, A.I. - On the problem of the agricultural development of the Chita north in connection with the forthcoming development of the mining industry. p.5.
Samoilov, E.B. - Ecology and the economic use of the elk (Cervus canadensis lugdorfi) in Chita Province. p.10.
Panarin, I.I. - Geographical regularities of forest distribution in Chita Province. p.33.
Gorshkov, N.V., Orlov, L.M. - Regions of mass propagation of the tent caterpillar Dendrolimus Sibericus in the Transbaikalian forests. p.54.
Osokin, I.M. - Changes in the snow cover density with the altitude in the mountain regions of the U.S.S.R. p.66.
Osokin, I.M. - Dynamics of ice thickness on the lakes of Transbaikalia. p.79.
Ermakov, V.V., Bronnikov, I.S. - Selenium content in the pasture vegetation and foods of Ulety District. p.86.
Sizikov, A.I. - A.I. Klimov's pedagogical, scientific and public work; on the 60th anniversary of his birthday. p.95.
Zaikov, P.I. - Review of the work of the Transbaikalian Branch of the Geographical Society of the U.S.S.R. p.97.

LENINGRAD. ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions], Vol. 249, 1964. Okeanograficheskii sbornik [Oceanographic papers].

Table of contents translated:

Preface. p. 3.

Nikolaev, Iu.V. - Thermal inertia of water masses in shallow parts of the seas. p. 5.

Panov, V.V. - Analysis of temperature formation in the active layer of the sea in the northeastern part of the Kara Sea by the method of approximate calculation. p. 9.

Chaplygin, E.I. - Heat flow to the open water of the Laptev Sea. p. 23.

Fedorova, Z.P. - Calculation of the total radiation and effective radiation in the Laptev Sea. p. 35.

[illegible], I.M. - Results of observations on the thawing of ice in the [illegible] Bay in 1957. p. 37.

Dem'ianov, N.I., [illegible], M.M. - Ice currents in the Arctic Basin. p. 42.

Chaplygin, E.I. - Structure of the currents of the Kara Sea. p. 49.

Legen'kov, A.P. - [illegible], compactness, and pressure of ice. p. 55.

[illegible], V.I. - Calculation of the water level heights of tides. p. 62.

Mustafin, N.V. - Method for forecasting the level in the [illegible] Strait. p. 63.

Mustafin, N.V. - Forecasting calculation of the rise and flow of surf heats in the bay of the Indigirka River. p. 71.

[illegible], A.P. - The use of the integrating [illegible] hydrometer in determining the water salinity in the Arctic seas. p. 79.

Belov, N.A. - [illegible] in the application of the [illegible] ground plane of the drifting station "North Pole 7," 1958-1959. p. 83.

Vol. 253, 1963. Sinopticheskie protsessy i dolgosrochnye prognozy pogody dlia Arktiki [Synoptic processes and long-range weather forecasting for the Arctic Regions].

Table of contents translated:

Preface. p. 5.

Life and work of G.IA. Vangengeim. p. 8.

Giro, A.A. - Intraseasonal fluctuations in the modes of atmospheric circulation and their causes. p. 10.

Giro, A.A. - Characteristics of the annual transformations of macrosynoptic processes in the various circulation epochs. p. 47.

Khairova, T.M. - Characteristics of macrosynoptic processes and weather regimes of the Arctic Regions in the period of [illegible] depending on the preceding development of the [illegible] and [illegible] weather. p. 88.

[illegible], V.N. - Characteristics of synoptic processes in the periods preceding anomalous changes of weather in the eastern part of the Arctic Regions. p. 103.

[illegible], E.V. - Quantitative estimation of the modes of atmospheric circulation. p. 117.

Kondratovich, K.I., [illegible], M.M. - [illegible] of cyclones and anticyclones to the Arctic Basin during the navigation period. p. 122.

[illegible], A.I., [illegible], E.I. - Predominant trajectories of cyclones and anticyclones during types of synoptic processes in the Arctic Regions. p. 145.

Rybkin, L.A. - Conditions governing the formation of heavy wind in the Arctic Regions. p. 156.

Dmitriev, A.A. - Increase of wind in some regions of the Arctic Basin. p. 169.

Vinogradov, M.D., [illegible], E.N., [illegible], G.A. - Relation of synoptic processes in the Arctic Regions to some variation of atmospheric circulation modes. p. 184.

Kuznetsov, A.V., and others. - Frontal sections in the Arctic Basin and their interaction with the types of synoptic processes. p. 195.

Rybkin, L.A., Khairova, T.M. - Basis for the terminology, the formulation, and criteria for evaluating the accuracy of forecasts of meteorological elements for 3-10 days in the Arctic. p. 215.

[illegible], B.P. - Principal possibilities of the physical-statistical methods for forecasting. p. 221.

Vol. 255, 1964.

Contents: [Materials on the observations of research drifting stations "North Pole-6" and North Pole-8," 1959-1960] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-6" i "Severnyi polius-8," 1959-1960 gg. 444 p.

Vol. 254, 1963. Voprosy gidrologii arkticheskikh morei [Problems of the hydrology of the Arctic seas].

Table of contents translated:

Preface. p. 4.

Chaplygin, E.I. - Relations between winter and summer hydrological conditions in the Laptev Sea. p. 5.

Panov, V.V., Shpaikher, A.O. - Role of Atlantic waters in the formation of the hydrometeorological regime in the Arctic seas. p. 10.

Panov, V.V. - Methods for forecasting the salinity of the surface layer water in the Kara Sea. p. 15.

[illegible], D.A. - Complex method for forecasting the rise and flow of surf heats as revealed by a study of the bay of the Kolyma River. p. 18.

Shpaikher, A.O. - Role of the runoff of the Kolyma River in the formation of hydrological conditions in the East Siberian Sea during the summer. p. 31.

Moretskii, V.N. - Stability of the winter hydrological regime in the Kara Sea. p. 39.

Fedorova, Z.P., [illegible], Z.S. - Turbulent heat exchange of the surface of the Chukchi Sea with the atmosphere. p. 44.

Nastavnikova, A.V. - Calculation of anomalies of the heat loss in the autumn in the Kara Sea based on the anomalies of hydrometeorological elements. p. 52.

[illegible], A.S. - Dependence of the temperature of surface water in the southern part of the Chukchi Sea on its heat content. p. 59.

Panov, V.V. - Some characteristics of large-scale horizontal turbulence in the waters of the Arctic Ocean. p. 61.

[illegible], A.M. - Approximation of the vector current field. p. 67.

[illegible], D.N. - Methods for processing tidal currents and surf heats by the "[illegible]" method. p. 71.

Belov, N.A., [illegible], P.N. - Suspended matter of the Laptev Sea. p. 78.

MERZLOTNYE ISSLEDOVANIIA [PERMAFROST STUDIES]. [illegible]. Kafedra merzlotovedeniia [illegible] [Permafrost Department of the Geological Faculty of Moscow University]. Moscow, [illegible], 1963.

Table of contents translated:

Kudriavtsev, V.A., Melamed, V.G. - Formula for calculating the depth of the seasonal freezing of soils when the [illegible] characteristics and [illegible] p. 3.

Kudriavtsev, V.A. - [illegible] seasonal freezing and thawing of soils. p. 5.

Savel'ev, B.A. - [illegible] of the Fourth Soviet Antarctic Expedition in 1959. p. 18.

[illegible], V.A. - The [illegible] of frozen rocks in the [illegible] region. p. 5.

[illegible] - Using geophysical methods for surveying frozen ground [illegible] areas in the northern Yenisey Ridge region. p. 33.

[illegible], Chernyadev, V.P. - Forecasting changes in the freezing conditions of [illegible] areas in the northern Yenisey Ridge region affected by thermal and water-thermal amelioration. p. 46.

Kudriavtsev, V.A., [illegible] - Role of the vegetation cover in the formation of the conditions of [illegible] for purposes of large-scale permafrost mapping as revealed by a study of the region of the Vilyui Hydroelectric Power Station. p. 63.

Kondrat'eva, K.A. - Effect of the relief on the formation of the temperature conditions of rocks in the process of [illegible] in the region of the Vilyui Hydroelectric Power Station. p. 73.

[illegible], E.D., Chernyadev, V.P. - Effect of denudation and sedimentation on the dynamics of [illegible] frozen over a period of many years in the conditions governing the southern boundary of their distribution as revealed by a study of the upper Amur Valley. p. 83.

[illegible] - Composition and cryogenic conditions of the [illegible] deposit. p. 91.

Savel'ev, B.A., [illegible], B.G. - Basic characteristics of the glaciation in the Malaya Almaatinka Basin. p. 103.

Savel'ev, B.A., [illegible], B.G. - The methods of [illegible] in the Malaya Almaatinka Basin. p. 112.

[illegible], A.A. - Studying the depth of the freezing and thawing of rocks under natural conditions using an [illegible] frost-depth meter. p. 118.

[illegible] - New method for establishing permafrost limits in mountain glaciation by using [illegible]. p. 127.

[illegible], L.D. - Soil heaving in the region of the Bratsk Hydroelectric Power Station. p. 131.

[illegible], L.D. - Stages in freezing processes and the variation of moisture in seasonally frozen ground. p. 135.

[illegible] - Some results of the study of frozen ground in the region of the Gai Iron Mining and Ore Dressing Combine. p. 162.

[illegible], Z.V., [illegible], L.G. - Distribution of diamonds in the alluvial sediments of the Vilyui and Lena Valleys. p. 172.

[illegible], Z.V., [illegible], L.G. - Methods for the collection and technical processing of samples in diamond analysis. p. 183.

[illegible], A.V. - Selecting a logging tool to determine the density and moisture of rocks using radioactive logging methods. p. 190.

Dobrovol'skii, V.P. - Characteristic "freezing" shape of curves in vertical electric sounding. p. 199.

Dobrovol'skii, V.P. - Electric prospecting in engineering geology under conditions of the "uniform" distribution of permanently frozen ground in the region of the Ust' [illegible] water gauge points of the Vilyuy Hydroelectric Power Station. p. 204.

Dobrovol'skii, V.P. - Characteristics of the structure of the geoelectric division caused by the presence of permanently frozen ground; geoelectric sections of frozen ground. p. 215.

Dobrovol'skii, V.P. - Principles of the regionalization of the area of the distribution of permanently frozen ground for purposes of electric prospecting in hydraulic engineering. p. 231.

Frolov, A.D. - Estimating the possibilities of the supersonic method for controlling the thickness and the quality of a frozen ground wall in the drilling of shafts using the freezing method. p. 236.

Melamed, V.G. - Calculation of the temperature fields around underground frozen ground storage using EI-12 electrointegrators. p. 245.

Zaretskii, Iu.K. - Calculating the thickness of the enclosing frozen ground when drilling shafts using the freezing method. p. 251.

Kudriavtsev, V.A. - Standards for the deep setting of foundations in connection with the possibility of soil heaving during freezing (according to Standards and Technical Requirements 127-55). p. 267.

Melamed, V.G., Kudriavtsev, V.A., [illegible], A.E. - Studying the temperature conditions of icehouses used for different purposes. p. 276.

Poltev, N.F. - Granulometric and microaggregative composition of the soils of the seasonally thawing layer and their [illegible] quality. p. 293.

Shusherina, E.P. - Anisotropy of the mechanical properties of foliated rocks after freezing. p. 307.

Shusherina, E.P., Vialov, S.S. - Studying the lasting bearing power of frozen soils under uniaxial compression. p. 314.

Savel'ev, B.A., [illegible], S.D. - Formation of an ice [illegible] in the dense snow by a rigid cylindrical die. p. 349.

Vialov, S.S. - Static method for investigating the resilient-elastic deformation of ice. p. 354.

MOSCOW. UNIVERSITET. Vestnik. Seriia 5: Geografiia [UNIVERSITY. Review. Series 5: Geography]. Vol. 19, no. 3, May-June, 1964.

Table of contents translated:

The Fourth Congress of the Geographical Society of the U.S.S.R. p. 3

Riabchikov, A.M. - Interdependence of geographical sciences. p. 7.

Glazovskaia, M.A. - Principles of the landform geochemical regionalization of the U.S.S.R. for agricultural purposes. p. 20.

[illegible], V.IA. - Agricultural regionalization of the Central Economic Geographic Region. p. 25.

Berlyant, A.M., Lilienberg, D.A. - Application of the cartographical method for the study of recent tectonic movements. p. 31.

[illegible], G.I. - Characteristics of salinity and temperature distribution connected with the Atlantic equatorial subsurface countercurrent. p. 39.

[illegible], L.I. - Reclamation of the Repetek Desert. p. 44.

[illegible], M., [illegible] El-Sahhar. - The water resources of [illegible]. p. 51.

Fedina, A.E., [illegible], V.P. - Aridity radiation [illegible] and the landforms of the northeastern Caucasus. p. 58.

[illegible], N.IA., Makunina, A.A., [illegible], R.M. - Diploma project theses in the Geographical Faculty of Moscow University. p. 63.

Timofeev, D.A. - Geomorphology of the lower Lena Valley. p. 70.

[illegible], A.IU. - Radiation balance of the Rybinsk Reservoir. p. 71.

[illegible], L.L. - When do the mountain forests turn green? p. 73.

Sladkopevtsev, S.A. - Ancient karst of the western part of Kazakh Hills and its role in the formation of bauxite deposits. p. 77.

[illegible], O.A. - On the dynamic structure of the breaker current. p. 81.

[illegible], M.A. - Method for calculating the total runoff of mountain rivers, based on the example of the Fergana Valley rivers. p. 83.

[illegible], S.F. - Characteristics of tectonic disturbances and their relation to the perennially frozen rocks. p. 87.

Gorbunov, A.P. - Buried avalanches in the Trans-Ili Alatau. p. 88.

[illegible], L.I. - Manifestation of recent anticlinal structures in the relief of the Crimean Steppes. p. 90.

Baulin, V.V. - Relief forming activity of thawing waters in the mountains of the Queen Maud Land. p. 90.

Valev, E., and others. - Anastas Stoianov Beshkov, 1898-1964. p. 92.

[illegible] research work of the Geographical Faculty of Moscow University in 1963. p.94.
[illegible], N.I. - The Second Conference of the Young Geographers of Siberia and the Far East. p.97.
[illegible], L.I. - In the Academic Council of the Geographical Faculty. p.98.
[illegible], K.E. - "Climatology" by B.P. Alisov, B.V. Poltaraus. p.99.
[illegible], K.A., Shlank, G.V. - Economic Atlas [illegible] State. p.100.
[illegible], IU.G. - "Glaciers, fires and avalanches in the Soviet Union" by G.K. Tushinskii. p.101.

PROBLEMY ARKTIKI I ANTARKTIKI [PROBLEMS OF THE ARCTIC AND THE ANTARCTIC]. Issued by Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut [Arctic and Antarctic Scientific Research Institute]. Leningrad, no.16, 1964.
Table of contents translated:
[illegible], I.V. - History of the development and study of the Severnaya Zemlya archipelago. p.5.
Maksimov, I.V. - Free oscillations of the earth's rotational axis and the Iceland minimum of the atmospheric pressure. p.13.
[illegible], N.P. - Method for the precalculation of tides based on the harmonic constants and the data of "Astronomicheskii ezhegodnik." p.27.
Dralkin, A.G. - Some results of the Seventh Soviet Antarctic Expedition. p.35.
Masterskikh, M.A. - Representatives of the wind on the Tiksi Bay Polar Station. p.41.
Peschanskii, I.S., and others. - Mechanical properties of consolidated ice. p.45.
Ol', A.I. - Eleven-year cyclic changes in magnetic perturbation. p.55.
Mitiaev, N.A. - Annual variations of the magnetic perturbation and elements of the Arctic magnetic field. p.63.
Sleptsov, B.A. - Possible reasons of the inconstancy in the relationship of the sun and the atmosphere. p.69.
Ignat'ev, M.A. - Calculation of the strength of ship propeller blades for navigation in icy conditions. p.75.
Kudriavtsev, N.F. - Practice in the calculation of nonperiodical currents in the sea based on the data of coast level observations. p.83.
Chernyshev, G.G. - Autonomous temperature recorders. p.89.
Pavlikov, Zh.A. - Methods of observation on currents in the surface layer from a ship. p.92.

REFERATIVNYI ZHURNAL: GEOGRAFIIA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

TURKMENSKOE GEOGRAFICHESKOE OBSHCHESTVO. Trudy [TURKMEN GEOGRAPHICAL SOCIETY. Transactions]. Ashkhabad, no.1, 1958.
Table of contents translated:
Petrov, M.P. - Materials on the history of the geographical study of Turkmenistan. p.5.
Velsov, K.V. - Characteristics of the principal landforms of the Tashauz physicogeographical region. p.68.
Kopekov, Ch. - Physicogeographical study of the Tedzhen River Basin, Turkmenistan. p.81.
Lavrov, A.P. - Concise characteristics of the soil and geographical conditions of the foothill plain of western Kopet-Dag. p.94.
Mikhel'son, O.A. - Geographical characteristics of the vegetation cover of the Badkhyz. p.118.
Mikhel'son, E.G., Mikhel'son, O.A. - Possibilities for the phytomelioration of sand in the southern part of the Central Lower Kara Kum in connection with their ecological characteristics. p.148.
Nurgel'dyev, O.N. - Geographical distribution and the economic significance of the greater gerbil in Turkmenistan. p.171.
Shafranovskii, K.I. - Samuel Gottlieb Gmelin's voyage across the Caspian Sea to its eastern shore in 1773. p.181.
Petrov, K.M. - Islands of the Caspian Sea eastern coastline. p.227.
Petrov, M.P. - Ten years of the work of the Turkmenistan Geographical Society. p.254.

VOKRUG SVETA [AROUND THE WORLD]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no.7, July 1964.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Nauki zemle [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Earth Sciences]. Erivan, vol.17, no.1, 1964.
Table of contents translated:
Gul'ian, E.Kh. - Accessory apatite from an iron ore deposit. p.3.
Osipova, I.B. - Practice in grouping instruments and explosions in Artashat District of the Armenian S.S.R. p.11.
Aisbund, M.M. - Characteristics of the thermal regime in the strait between the Lesser and the Greater Sevan Lakes. p.19.
Gabrielian, G.K., Khachatrian, A.G. - Showers in the Ararat Plain as a factor in the formation of mudflows. p.35.
Kokoshvili, D.D. - Mudflow phenomena within the boundaries of the Kirovakan district of the Transcaucasian Railroad. p.41.
Sarkisian, I.S. - Characteristics of the bituminous substance of some sedimentary rocks in the Ararat Plain. p.57.
Gabrielian, A.A., Korobkov, I.A., Mironova, L.V. - Review of A.K.Alekseev's book "Paleogene mollusk fauna in the Northern Ural Mountain region." p.63.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Geological Sciences. Transactions]. Alma-Ata, vol.8, 1964.
Contents: Shcherba, G.N., and others. [Greisens, vein quartz, and potassic feldspar in molybdenum-tungsten deposits of Kazakhstan] Greizeny, zhil'nyi kvarts i kalishpaty molibdeno-vol'framovykh mestorozhdenii Kazakhstana. 306 p.

AKADEMIIA NAUK SSSR. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Botanical Institute. Transactions]. Moscow, Ser.8, 1964. Paleobotanika [Paleobotany], no.5.
Table of contents translated:
Snigirevskaia, N.S. - Anatomic study of plant remnants from the coal balls of Donets Basin; family Lepidodendraceae. p.5.
Samylina, V.A. - Mesozoic flora of the left bank of the Kolyma River (Zyryanka coal basin). Part 1: Equisetales, Filicales, Cycadales, Bennettitales. p.39.
Budantsev, L.IU., Sveshnikova, I.N. - Tertiary flora of the Kaliningrad Peninsula. Pt. 4. p.91.
Il'inskaia, I.A. - Tortonian flora of Swoszowice. p.113.
Kutuzkina, E.F. - Sarmatian flora of Armavir. p.145.
Systematic index. p.231.

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions]. Moscow, no.80, 1963. Razlomy i gorizontal'nye dvizheniia zemnoi kory [Faults and horizontal movements of the earth's crust].
Table of contents translated:
Burtman, V.S., and others. - Horizontal displacements along faults and certain methods of studying them. p.5.
Luk'ianov, A.V. - Horizontal movements along faults during recent catastrophic earthquakes. p.34.
Ruzhentsev, S.V. - Strike-slip faults in the southeastern Pamirs. p.113.
Burtman, V.S. - Talas Fergana strike-slip fault and San Andreas Fault. p.128.
Burtman, V.S., Peive, A.V., Ruzhentsev, S.V. - Main strike-slip faults in the Tien Shan and Pamirs. p.152.
Suvorov, A.I. - Main faults of Kazakhstan and Central Asia. p.173.
Trifonov, V.G. - Grabenlike structures and their origin in the northern part of the Lake Balkhash region. p.238.
Kopteva, V.V., Shcherba, I.G. - Some characteristics of the magmatic penetration zones in the Northern Balkhash Synclinorium. p.275.
Supplements: Folded maps. Insert.

No.93, 1963. Struktura dokembriia i sviaz' magmatizma s tektonikoi [Structure of the Pre-Cambrian and relationships between igneous activity and tectonics].
Table of contents translated:
Preface. p.5.
Pavlovskii, E.V., Markov, M.S. - Some general problems of geotectonics; on the irreversibility of crustal development. p.9.

Novikova, A.S. - Tectonic position of igneous formations in the Russian Platform. p.54.
Zaborovskaia, N.B., Markov, M.S. - Minor dislocations in metamorphic layers and their relation to large structures. p.86.
Makarychev, G.I., Pazilova, V.I. - Relationship between igneous activity and tectonics as revealed by studying a formation of the Karatau structure (southern Kazakhstan). p.123.
Pavlova, T.G. - Relationship between granitoid igneous activity and folding as revealed by a study in the southern Ulutau (central Kazakhstan). p.176.

No.100, 1964.
Contents: TSeitlin, S.M. [Comparison of Quaternary sediments in the glacial and extraglacial zones of Central Siberia (Lower Tunguska Basin)] Sopostavlenie chetvertichnykh otlozhenii lednikovoi i vnelednikovoi zon TSentral'noi Sibiri (bassein Nizhnei Tunguski). 104 p.

No.102, 1964.
Contents: Vakhrameev, V.A. [Jurassic and Early Cretaceous floras of Eurasia and the paleofloristic provinces of this period] IUrskie i rannemelovye flory Evrazii i paleofloristicheskie provintsii etogo vremeni. 260 p.

No.104, 1964.
Contents: Burtman, V.S. [Talas-Fergana fault (Tien Shan)] Talaso-Ferganskii sdvig (Tian'-Shan'). 142 p.

__________ diagrs.

No.109, 1964.
Contents: Koreneva, E.V. [Spores and pollen from the bottom sediments in the western part of the Pacific Ocean] Spory i pyl'tsa iz donnykh otlozhenii zapadnoi chasti Tikhogo okeana. 67 p. illus.

AKADEMIIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology. Transactions]. Moscow, vol.99, 1964.
Contents: Astrova, G.G. [Polyzoa in the Borshchov and Chortkov horizons of Podolia] Mshanki borshchovskogo i chortkovskogo gorizontov Podolii. 61 p. illus.

Vol.100, 1964.
Contents: Rodendorf, B.B. [Historical development of Diptera] Istoricheskoe razvitie dvukrylykh nasekomykh. 310 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]. Novosibirsk, no.13, 1963. Voprosy geologii i metallogenii Gornogo Altaia [Problems of geology and metallogeny in the Gornyy Altai].
Table of contents translated:
Preface. p.3.
Kuznetsov, V.A. - Tectonic regionalization and basic features of endogenetic metallogeny in the Gornyy Altai. p.5.
Lapin, B.N. - Devonian volcanism and its role in the metallogeny of the Gornyy Altai. p.69.
Mikhaleva, L.A. - Small intrusions of the Terekta Range in the Gornyy Altai and their role in metallogeny. p.153.
Tychinskii, A.A. - Geology and characteristics of the distribution of complex metal deposits in the Gornyy Altai. p.243.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Institute of Geology. Transactions]. Dushanbe, vol.7, 1963.
Table of contents translated:
Saltovskaia, V.D. - Stratigraphy of the Middle Carboniferous sediments of the Zeravshan-Gissar mountainous region. p.3.
Cherenkov, I.N. - Upper Paleozoic flysch in the Kshomysh and Karavshin Basin (northern slope of the Turkestan Range). p.30.
Dzhalilov, M.R. - Stratigraphy of the Upper Cretaceous sediments of southwestern Darvaz. p.59.
Bosov, V.D. - Lithological characteristics of the Neogene accumulation zones of the Tajik Depression. p.118.
Leleshus, V.L. - Silurian Tabulata of the Pamirs. p.153.
Kukhtikov, M.M. - Tectonic zones of the Gissar-Alay Paleozoic fold area in the Dushanbe-Shakhristan intersection. p.191.

AKADEMIIA NAUK SSSR. [illegible] Institut geologii. [illegible] [ACADEMY OF SCIENCES OF THE U.S.S.R. [illegible] Institute of Geological Sciences. [illegible]]. [illegible] Geology]. [illegible], no. 11, 1962.
Contents: [illegible] of the Crystalline [illegible] and the [illegible] (Deposits in the [illegible]). [illegible] p.

[illegible] [illegible] [illegible], no. 2.
Table of contents translated:
[illegible]

[illegible]

[illegible] A.A. — Utilization of geophysical data for the discovery of [illegible] granite intrusions in central Kazakhstan, p. 201.

[illegible]
Table of contents translated:
[illegible]

[illegible]
Table of contents translated:
[illegible] — Magnetic mineral formation in [illegible] sediments of the [illegible] drilling data, p.[illegible]
[illegible]
[illegible] — Main features and mineral associations in the rocks of the [illegible] in the southeastern and central parts of the Angara [illegible], p.107.
[illegible] — Minor elements in [illegible] sediments, p.117.
[illegible] — Characteristics of the [illegible] in the [illegible] sediments in the [illegible] Basin, p.133.
[illegible] — [illegible] of the [illegible] depression, p.[illegible]
[illegible] — [illegible] of a new type [illegible] in the middle [illegible] Valley, p.[illegible]
[illegible] — [illegible] in the Lower [illegible] sediments of the [illegible], p.[illegible]
[illegible] — Geology and [illegible] of the distribution of [illegible] in the [illegible] formations in the [illegible] basin, p.[illegible]
[illegible] — [illegible] of copper sandstones and [illegible], p.[illegible]
[illegible] — Study of coal [illegible] method, p.159.
[illegible] an obituary, p. 168.

[illegible] MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF CHITA [illegible]. Issued by [illegible] Geological Administration. Moscow, no. 1, 1962.
Table of contents translated:
[illegible] — Brief sketch of the geology of central Transbaikalia, p. 3.
[illegible] — Three finds of the Devonian and Carboniferous [illegible] flora in the western part of the Aginskoye Paleozoic field (central Transbaikalia), p. 13.
[illegible] and others. — Pre-Cambrian of the Malkhan Range and the southwestern part of the [illegible] Range, p. 23.
[illegible] — Lower Paleozoic stratigraphy of eastern Transbaikalia, p. 27.
[illegible] — Significance of bivalve phyllopod crustaceans (Conchostraca) for the stratigraphy of Upper Mesozoic freshwater-continental sediments in eastern Transbaikalia, p. 32.
[illegible] — Geological age of the Turga series in Transbaikalia, p. 60.

[illegible] — New data on the structure of the [illegible] granite massif (eastern Transbaikalia), p. 77.
[illegible] — Materials on the absolute age of rocks of Chita Province, p. 91.
[illegible] — [illegible] deposits (eastern Transbaikalia), p. 103.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROGEOLOGII I INZHENERNOI GEOLOGII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HYDROGEOLOGY AND ENGINEERING GEOLOGY. Transactions]. No. 6, 1962.
Contents: Krainov, S.R. [Hydrogeochemical method of prospecting for boron deposits; methodological handbook] Gidrogeokhimicheskii metod poiskov mestorozhdenii bora; metodicheskoe rukovodstvo. 208 p.

OCHERKI PO ISTORII GEOLOGICHESKIKH ZNANII [STUDIES ON THE HISTORY OF GEOLOGICAL SCIENCE]. Issued by Geologicheskii institut Akademii nauk SSSR [Geological Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, 1962.
Table of contents translated:
[illegible] — From the history of geological sciences in Russia at the end of the 18th and the beginning of the 19th century [illegible], p. 4.
[illegible] — [illegible] in Charles Darwin's "Origin of species," p. 30.
[illegible] — [illegible], p. 65.
[illegible] — History and philosophy of geology in [illegible], p. 90.
[illegible] Ulrich? [illegible] geology and mining published during [illegible] lifetime, p. 110.
[illegible], p. 117.
In memory of [illegible] geologists [illegible] 1961-1962, p. 174.

MOSCOW. UNIVERSITET. Trudy [University. Transactions]. Vol. 172, 1962. [illegible] [illegible] Geography [illegible], no. 2.
Table of contents translated:
Introduction, p. 3.
[illegible] — Classic of Russian geography, an [illegible] of the [illegible] Tanfil'ev, p. 5.
[illegible] — [illegible] zoning of the U.S.S.R., principles, methods, and the classification [illegible], p. 21.
[illegible] — G.I. Tanfil'ev and some problems of the geography of the Russian Plain, p. 39.
[illegible] — Ancient soils in [illegible], p. 41.
[illegible] — Development of the study of [illegible] in the U.S.S.R. as related to the works of G.I. Tanfil'ev, p. 47.
[illegible] — [illegible] the village of [illegible], Moscow Province, a geological record [illegible] of the [illegible] Age with plants [illegible], p. 57.
[illegible] — Basic problems of the [illegible] of forest and tundra at the present stage, p. 64.
[illegible] — [illegible] in the [illegible] Paleogene and their significance for the national economy, p. 70.
[illegible] — Scientific views of G.I. Tanfil'ev and some problems of the steppe forestry research, p. 79.
[illegible] — Role of the works of G.I. Tanfil'ev in the solution of the problem of the origin of steppe vegetation, p. 87.
[illegible] — Changes in the landforms and vegetation in the estuary section of the [illegible] of the Lower [illegible] and its floodlands, p. 97.
[illegible] — New materials obtained in [illegible] on the southern boundary line of forests in the right-bank area of the Ukraine, interfluve between the Southern Bug and the Dnieper, p. 107.
[illegible] — General features of the formation of natural forest edges in the far southwest, p. 121.
[illegible] — Oak forest-steppe vegetation in the southern part of the Bessarabian Upland and its relation to the Crimea, p. 127.
Tanfil'ev, V.G. — Vegetation in the piedmont of the Caucasus within Stavropol Territory, p. 133.
[illegible] — Characteristics of the typological landform complexes in the Oka-Don Lowland, p. 139.
[illegible] — Miocene fossil pine and the pines of the group halepensis s.l., p. 149.
[illegible] — Geological and geomorphological observations and opinions of G.I. Tanfil'ev, p. 160.
[illegible] — Phenomena of erosion and eroded soils in the [illegible] basin, p. 162.

Grinbart, S.B. - Studying the fauna in the Black Sea region limans, its genesis and the appearance of new elements. p. 167.

Pogrebniak, I.I. - Genesis of the bottom vegetation in the limans of the northwestern Black Sea region. p. 173.

Vinogradov, K.A. - Boundaries of Zernov's Phyllophora fields in the northwestern part of the Black Sea. p. 179.

Aksent'ev, G.N. - Hydrologic problems in the works of G.I. Tanfil'ev. p. 185.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1964.

SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Gosudarstvennyi geologicheskii komitet SSSR [State Geological Committee of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan. 1964.

Table of contents translated:

Increasing mineral resources for agricultural needs. p. III.

Belousov, V.V. - Upper mantle and its effect on the development of the earth's crust (Project of the Upper Mantle). p. 3.

Itsikson, M.I. - Types of mobile belts in the Pacific marginal zone of the U.S.S.R. p. 10.

Ponikarov, V.P., and others. - Tectonics of the northern part of the Arabian Platform. p. 39.

Rub, M.G. - Significance of accessory minerals for solving some problems in petrology and metallogeny. p. 49.

Bindeman, N.N., Bochever, F.M. - Regional estimation of the exploitable resources of fresh underground waters. p. 65.

Khodak, IU.A., Chebotarev, M.V. - Ancient formations in the Amur Valley. p. 79.

Nekrasov, I.IA. - Mercury mineralization in northeastern Yakutia. p. 95.

Volodarskii, R.F., Pustil'nikov, M.R. - Geological effectiveness of gravimetric methods for studying western Ciscaucasia. p. 105.

Babkin, P.V. Drabkin, I.E. - Structural and morphological types of mercury deposits in the northeastern U.S.S.R. p. 113.

Il'in, N.I. - Iceland spar deposit in Armenia. p. 119.

Rodionova, K.F., Korchagina, IU.I., Pentina, T.IU. - Some data on oil producing rocks in the Volga-Ural region. p. 123.

Avdonin, V.V. - New data on the structure of the Kazbek diabase belt. p. 129.

Reznikov, I.P. - Effect of the morphology and size of faulting on the distribution of hypogene mineralization in the northwestern Lake Balkhash region. p. 135.

Tikhomirov, V.V., Voskresenskaia, N.A. - Memorable dates for November-December, 1963. p. 142.

Belousov, V.V. - Problems of the structure of the earth at the 13th General Assembly of the International Union of Geodesy and Geophysics. p. 151.

Beliaevskii, N.A., Gorskii, I.I. - First ordinary session of the Council of the International Union of Geological Sciences. p. 156.

Chernyshev, G.B. - Concerning K.L. Pozharitskii's article 'Calculation and practical importance of possible reserves of ore deposits of the category C^2." p. 159.

Surazhskii, D.IA., Pozharitskii, K.L., Khrushchov, N.A. - B.S. Levonik's book "Problems of economic geology." p. 160.

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Annals]. Moscow, vol. 93, no. 2, 1964.

Table of contents translated:

Stulov, N.N. - Correlation of the heat capacity and the heat of fusion in elements. p. 121.

Lebedev, V.I. - Some general problems of isomorphism. p. 126.

Lebedev, A.P., Bogatikov, O.K. - Monoclinic pyroxenes from the Kizir gabbro-syenite pluton (Eastern Sayan Mountains). p. 139.

Krol', O.F., and others. - "Saryarkit," a new mineral. p. 147.

Grigor'ev, N.A. - "Uraloiit," a new mineral. p. 156.

Grigor'ev, D.P. - Mineralogical school of A.K. Boldyrev. p. 163.

Shafranovskii, I.I. - Role of A.K. Boldyrev in the development of crystallography. p. 168.

Allavdin, V.F., - The last years of the scientific activities of A.K. Boldyrev. p. 173.

Khabib Mukhamedovich Abdullaev. p. 179.

Voitsekhovskii, V.N., Mokievskii, V.A. - Forms of crystal dissolution. p. 185.

Leventov, V.S. - A mineral of the series britholite-abakumalite in the aegerine-microcline metasomatites. p. 189.

Gorshkov, A.I. - Use of powdered coal in studying minerals by the method of microdifraction. p. 195.

Treivus, E.B., Petrov, T.G. - Projection of crystalline structures on a plane by means of transformed coordinates. p. 197.

Samotoin, N.D. - Methods for the dry preparation of powderlike and earthy minerals for electron microscope research. p. 204.

Konkov, A.I., and others. - Artificial priorite. p. 205.

Plavshudin, V.G. - Celestite crystals from the recent sediments in the lakes of the Sivash region (Crimea). p. 207.

Bol'shakov, A.P. - Anisotropy of the hardness of cinnabar crystals. p. 209.

Prikazchikov, L.A., and others. - Giant quartz crystal from a pegmatite body. p. 212.

Moskaleva, S.V. - Origin of conglomeratic serpentines. p. 219.

Domarev, V.S. - Some problems of the theory of ore deposits. p. 223.

Povarennykh, A.S. - About the handbook "Minerals," vol. 1. p. 231.

Vikulova, M.F., Rateev, M.A. - Critical notes on L.I. Kul'chitskii's article "Use of dyes in the mineralogical analysis of clays and methods for the practical utilization of clay color reactions with organic dyes." p. 237.

Miagkov, V.F. - An example of a formal use of mathematical statistics in geology. p. 241.

Grigorii Sergeevich Labazin; an obituary. p. 245.

Nikolai Nikolaevich Kurek; an obituary. p. 246.

Solov'ev, S.P. - Annals of the Armenian Branch of the All-Union Mineralogical Society (no. 2). p. 248.

ZAKONOMERNOSTI RAZMESHCHENIIA POLEZNYKH ISKOPAEMYKH [CHARACTERISTICS OF THE DISTRIBUTION OF MINERAL RESOURCES]. Issued by Sovet po izucheniiu zakonomernostei razmeshcheniia poleznykh iskopaemykh Akademii nauk SSSR [Council on the study of the Characteristics of the Distribution of Mineral Resources of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, 1964. Metallogeniia Kavkaza i drugikh al'piiskikh skladchatykh oblastei [Metallogeny of the Caucasus and other Alpine fold areas].

Table of contents translated:

Preface. p. 3.

Azizbekov, Sh.A., and others. - Metallogeny of the Caucasus. p. 5.

Tvalchrelidze, G.A. - Some characteristics of the metallogeny of the Mediterranean geosynclinal zone. p. 48.

Dzotsenidze, G.S. - Paleogene volcanism of Transcaucasia and mineralization related to it. p. 181.

Sitkovskii, I.N. - Small intrusions of the Caucasus and their metallogenic role. p. 193.

Shikhalibeili, E.Sh. - Role of faults and structures of deep location in the metallogeny of fold zones as revealed by a study in the Caucasus. p. 201.

Smirnov, V.I., and others. - Characteristics of the igneous activity and metallogeny of geosynclinal and platform stages in the development of the western part of the Greater Caucasus. p. 210.

Skripchenko, N.S. - Characteristics of the formation of and criteria for prospecting for copper pyrite deposits in the Northern Caucasus. p. 219.

Demidova, N.G. - Geological characteristics of the distribution of mercury mineralization in the Greater Caucasus. p. 235.

Suleimanov, S.M. - Basic characteristics of metallogeny in the Sevan-Akera zone of the Lesser Caucasus. p. 257.

Mustafabeili, M.A., Liberzon, I.M., Akhmedov, D.M. - Basic characteristics of the distribution of endogenetic deposits in the Dashkesan ore zone. p. 261.

Nazarov, IU.I. - Principles and methods of compiling large- and mean-scale metallogenic forecasting maps as revealed by a study in southeastern Georgia. p. 266.

Grigorian, G.O. - Ore potential of intrusive-effusive complexes in the Armenian S.S.R. p. 271.

Magak'ian, I.G. - Comparative characteristics of the metallogeny of the Lesser Caucasus and Kamchatka-Khoryak zone. p. 288.

Khamrabaev, I.Kh., and others. - Some characteristics of Cimmerian and Alpine metallogeny in Uzbekistan. p. 295.

Kuznetsov, V.A. - Mercury formations of Siberia and the Far East and some characteristics of their distribution. p. 300.

Ivanov, S.N. - Some characteristics of basaltoid metallogeny in the Ural Mountains. p. 317.

Lebedev, A.P. - Allochthonous plutons of basic composition and conditions governing their formation. p. 330.

Kotliar, V.N. - Types of deposits associated with paleovolcanism. p. 339.

Abdullaev, R.N., Kerimov, G.I. - Metallogenetic forecasting map of Azerbaijan. p. 347.

Mkrtchian, S.S. - Metallogenetic forecasting maps of the Alaverdi ore region in the Armenian S.S.R. p. 348.

Bukiia, S.G., Abamelik, E.M. - Metallogenetic forecasting map of Abkhazia. p. 351.

Orobei, V.I. - Metallogenetic forecasting map of the Northern Caucasus. p. 352.

Amiraslanov, A.A. - Characteristics of the distribution of lead-zinc deposits in the Caucasus. p. [illegible]

Kashkai, M.A. - Intrusive igneous activity and the metallogeny of the Dashkesan ore region. p. [illegible]

Nadiradze, V.R. - Igenous activity and metallogeny in southern Georgia. p. 354.

Krasnovidova, A.M. - Characteristics and spatial distribution of lead and complex metal mineralization in the Northern Caucasus. p. 356.

Sopko, P.F. - Genetic characteristic of pyrite deposits in the Lesser Caucasus and some characteristics of their distribution. p. 358.

Sarkisian, S.Sh. - Pyrite mineralization of the Chibukhli—Tanzut ore region as related to the development of the igneous activity in the Amasiya-Akera zone. p. 359.

Buadze, V.I. - Characteristics of the manifestation of pyrite mineralization in the volcanic formations of the Northern Caucasus. p. 360.

Aliev, V.N. - Hydrothermal and metasomatic changes of ore-enclosing rocks in the pyrite deposits of Azerbaijan. p. 362.

Zaitseva, L.V., Rafalibeili, R.Kh. - Structural characteristics of the Mekhmana ore zone and the stages of ore formation. p. 363.

Gukhman, N.E. - Gold potential of Tertiary intrusives in Azerbaijan. p. 364.

Salita, D.G. - Some structural characteristics of gold mineralization in the Amasiya-Akera zone. p. 366.

Abuev, D.V. - Conditions governing the localization of mercury mineralization in the Northern Caucasus. p. 367.

Mustafabeili, F.V. - Geochemistry of disseminated elements in the Nakhichevan fold zone. p. [illegible]

Gogishvili, V.G., Gogishvili, T.Sh. - Metallogeny of the Alaverdi-Bolnisi ore region. p. [illegible]

Kornev, G.P. - Middle Jurassic complex metal mineralization in the northwestern Caucasus. p. 370.

Mamedov, A.I. - Pliocene volcanism in the Sevan-Akera and its role in the formation of minerals. p. 371.

Lazarenko, E.K. - Characteristics of endogenetic metallogeny in the Carpathian mountain country. p. 373.

Borodaevskaia, M.B. - Structural types of copper pyrite deposits in the Ural Mountains. p. 375.

Borodaevskaia, N.I. - Genetic types of hydrothermal gold ore deposits in the U.S.S.R. p. 376.

Cherviakovskii, G.F. - Types of pyrite deposits in the Ural Mountains and the characteristics of their distribution. p. 378.

Litvinenko, K.I., Moskhi, A.M., [illegible], L.N. - Alpine igneous activity and metallogeny in Tajikistan. p. 380.

Fishkin, M.IU. - Hydrothermal metamorphism of rocks in Transcarpathia, their ore potential, and regulations in spatial distribution. p. 382.

Lebedinskii, V.I. - Some comparative characteristics of igneous activity and the metallogeny related to it in the Crimean Mountains and Soviet Carpathians. p. 384.

Turbin, L.I., Malygin, V.V. - Alpine endogenetic mineralization of some regions in the western Tien Shan. p. 386.

Semenov, A.I. - Types of minerogenetic provinces in the fold areas of the U.S.S.R. p. 387.

Aslanian, A.T. - Temperature of the earth and some problems of the metallization of geosynclines and deep faults. p. 390.

Gorzhevskii, D.N., Kozerenko, V.N. - Classification of the types of metallogenetic zones of the earth's crust. p. 390.

Saakian, P.S. - Paragenetic ore complexes as a basis for metallogenetic studies. p. 392.

Endogenetic metallogeny; Soviet monographic and serial literature up to 1960. p. 393.

13. SCIENCE

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports]. Erivan, vol. 38, no. 3, 1964.

Table of contents translated:

Arutiunian, F.G. - Uniqueness of series according to Haar's system. p. 129.

Karapetian, K.S. - Effect of the scale factor on the creep of concrete due to compression or tension. p. 135.

Gazazian, E.D., Morgolian, O.S. - Transient radiation in gyrotropic ferrite. p. 143.

Kocharian, N.M., Bozirganian, P.A., Navasardian, M.A. - Crystallinity of nairit rubber. p. 149.

Isagulian, V.I., Dessuki, Akhmed, M. - Polymerization of isoamylenes in the presence of a KU-2 catalyst. p.153.
Babaian, A.T., Takmazian, K.TS., Enanian, E.S. - Aqueous alkali cleavage of 1,5-diammonium salts containing a multiple bond in the 2,3-position of the common group. p.157.
Gasparian, A.M., Ikarian, N.S. - Shape and hydrodynamic characteristics of solid particles. p.163.
Mandalaian, R.A., Cholakhian, L.S. - Pillow lavas from Upper Jurassic sediments in the Agstev and Tavush interfluve. p.169.
Dzhrbashian, R.T. - Relation of volcanism to transverse upheavals. p.175.
Ter-Grigorian, M.A. - New species of mealybugs (Homoptera, Coccoidea, Pseudociccidae) in the mountain steppe and alpine zones of Armenia. p.181.
Fanardzhian, V.V., Pogosian, R.I. - Interrelationship between cerebellar and peripheral impulses entering the sensorimotor portion of the cerebral cortex. p.189.

Vol.38, no.4, 1964.
Table of contents translated:
IAvran, V.A. - Function of the spectral shift for Sturm-Louiville operators. p.193.
Zakharian, V.S. - Some boundary properties of functions analytic in a circle. p.199.
Dzhrbashian, M.M. - Theory of integral transformations with Mittag-Leffler kernels. p.207.
Zargarian, S.S. - Torsion of a circular cylinder having a noncoaxial polyhedral cavity. p.217.
Kumsiashvili, G.P. - Stability of the regulation of station generator units in power generating systems. p.231.
Isaguliants, V.I., Evstaf'ev, V.P. - Alkenylation of m-cresol with isoprene on the KU-2 cation-exchange resin. p.235.
Aleksanian, R.A. - Mechanism of coronary vasodilative action of quaterone. p.239.
Abramov, I.I., Abramova, A.L. - Lydiaea Lazar., a new genus of mosses of the Caucasus. p.243.
Ter-Grigorian, M.A. - New species of mealybugs (Homoptera, Coccoidea, Pseudococcidae) from Armenia. p.245.
Arnol'di, L.V. - New species of Otiorrhynchus Germ. (Coleoptera, Curculionidae) from Transcaucasia and northern Iran. p.251.

Vol.38, no.5, 1964.
Table of contents translated:
Ovcharenko, I.E. - Continuation of Hermitian-positive functions. p.257.
Dzhrbashian, M.M., Kitbalian, A.A. - Generalization of Chebyshev polynomials. p.263.
Durgar'ian, S.M. - Stability of a loaded heated flexible plate with an initial flexure. p.271.
Manusadzhian, V.G., and others. - Use of the infrared spectroscopy method in studying short peptides and their derivatives. p.277.
Sarukhanian, E.R., Beilerian, N.M., Chaltykian, O.A. - Effect of the structure of amines on the kinetics of reactions of benzoyl peroxide with amino alcohols. p.285.
Shamonin, IU.IA., IAn, S.A. - Solvation of Cu^{2+}, Mn^{2+} and Cr^{3+} ions in alcohol-water solutions studied by the method of nuclear magnetic resonance. p.289.
Kocharian, N.M., Barsamian, S.T., Pikalova, V.N. - Dipole moments of vinylethynylcarbonols. p.295.
Esaian, G.T., and others. - Interaction of sulfochlorides with dimedon. p.301.
Galoian, A.A. - Presence of a specific protein with the coronary dilating property in the hypothalamus. p.305.
Chailakhian, M.Kh. - Photoperiodism and internal factors of the flowering of plants. p.309.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]. Baku, vol.19, no.10, 1963.
Table of contents translated:
Dzhafarov, A.S. - Some theorems on the best approximation of functions by integral functions of finite power. p.3.
Novruzov, A.A. - Behavior of the solution to the first boundary value problem with zero boundary conditions for a parabolic equation. p.9.
Seidov, IU.M. - Orbital diamagnetism of conduction electronics in ferromagnetic metals. p.15.
Mekhtiev, S.D., Sadykhov, Sh.G., Soldatova, V.A. - Synthesis of vinyl-substituted cyclane hydrocarbons. p.19.
Kuliev, Al.M., Tabatabai, A.M., Sarkisova, L.G. - Production of liquefied gas in a fluidized bed of adsorbent. p.25.
Dzhafarov, E.A. - Electrodeposition of lead dioxide from alkaline complexon salt electrolytes. p.31.
Mamedov, Z.M., Efendiev, G.Kh. - New minerals of the Paradachayskoye deposit. p.35.
Gorin, V.A., Dzhabarly, F.G. - Mechanism of the migration and distribution of oil and gas in the Middle Pliocene of the Apsheron Peninsula. p.39.
Aliev, A.D. - Mechanism of the formation of folding of the "Tertiary" monocline. p.45.
Aliev, F.S., Guseinova, A.A. - Characteristics from the viewpoint of engineering geology of the Quaternary sediments in the region of Bulla Island and the [Caspian] Sea in connection with the conditions governing their formation. p.49.
Gasanov, T.Ab. - Presence of Upper Maastrict sediments in the Kedabek region (Lesser Caucasus). p.55.
Efendiev, S.S. - New culture medium for studying the microflora of well water. p.59.
Muradov, A.S. - Salt composition of the drainage waters of the Mugan-Sal'yan massif. p.63.
Gasanov, Kh.N. - Dynamics of respiration and atmospheric carbon dioxide of alpine forest soils at the southeastern extremity of the Greater Caucasus. p.69.
Mutalimova, A.B. - Clinical variants of ischemic insult. p.73.
Abdullaev, I.K. - Natural polyploidy in fruit mulberry and its role in breeding. p.79.
Bekhbudov, G.A. - Results of the experiments in summer pastures in the Nakhichevan A.S.S.R. p.85.
Guseinova, S.K. - Varieties of wheat of the species Triticum turgidum L. in Azerbaijan. p.89.
Geiushev, Z.B. - Archival materials on the society "Imdadiile." p.93.

Vol.20, no.2, 1964.
Table of contents translated:
Labsker, L.G. - Asymptotic equalities for the approximation of functions by a family of linear integral operators in the metrics of C and L_p spaces. p.3.
Mamedaliev, IU.G., Guseinov, M.M., Treivus, E.M. - Condensation of hexachlorocyclopentadiene with α-methylstyrene. p.11.
Mekhtiev, S.D., and others. - Alkylation of α-chloromethyl alkyl ethers by cyclohexane. p.15.
Mamedov, F.A., Ismailzade, I.G. - Spectroscopic study of the conformation of some cyclohexane derivatives. p.21.
Abdinov, D.Sh., Abdullaev, G.B., Aliev, G.M. - Thermal conductivity, density, and microhardness of selenium as influenced by antimony admixtures. p.27.
Ali-Zade, A., Akhverdiev, N.T., Khalilov, E.A. - Stratigraphy of Campanian sediments in the Kobystan oil- and gas-bearing region. p.33.
Rasulov, G.L. - Possible oil- and gas-bearing series and a plan for further prospecting within the boundaries of the Kura Valley in western Azerbaijan. p.39.
Kuznetsov, V.P. - Beats in microseisms of soils caused by the swell of the sea. p.43.
Pen'kov, O.G. - Mineralogical composition of Brown soils of the Karabakh Ridge. p.47.
Melkumova, T.M., Gazaichian, Zh.M. - Effect of microelements on the activity and virulence of alfalfa nodule bacteria. p.53.
Mustafaev, Kh.M., Bairamov, G.M. - Effect of wood cutting for general use on soil erosion and natural reforestation. p.59.
Khalilov, A.R. - Study of the metamorphosis of Psectrocladius ex.gr.Psilopterus Kieffer (Diptera, Tendipedidae) in Varvara Reservoir. p.63.
Aliev, A.A., Musaev, I.M. - Shower bath as an important factor in stimulating sexual activity of herd bulls in summer. p.67.
Tagi-Zade, S.I. - Protein spectrum of the blood serum of Caucasian brown calves. p.71.
Akbaev, Sh.Kh. - Origin of the name "Min'i-tau." p.75.
Izmailova, A.A. - Some plowing equipment of Lenkoran, Lerik and Astara Districts; at the end of the 19th and the beginning of the 20th century. p.81.
Kerimov, E.A. - Materials on the ethnography of Azerbaijan in the writings of A.A. Bestuzhev-Marlinskii. p.85.

*AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports] Moscow, vol.156, no.4, June 1964.
Table of contents translated:
MATHEMATICS:
Al'ber, S.I. - n-Dimensional problems of variational calculus in the large. p.727.
Kuzhel', A.V. - Spectrum of a regular quasi-differential operator. p.731.
Naimark, M.A. - Commutative algebras of operators in Π_1 space. p.734.
Pontriagin, L.S. - Some differential games. p.738.
Slobodetskii, L.N. - Fundamental solution to a parabolic system and its continuous dependence on the parameter. p.742.
Sobolevskii, P.E. - Study of Navier - Stokes equations using methods of the theory of parabolic equations in Banach spaces. p.745.
Khmelevskii, IU.I. - Solution of certain systems of word equations. p.749.
CYBERNETICS AND REGULATION THEORY:
Krivenkov, IU.P. - A production model in dynamic programming. p.752.
HYDROMECHANICS:
Tirskii, G.A. - Contribution to the theory of a laminar multicomponent boundary layer on a chemically active surface. p.756.
ASTRONOMY:
Nikitin, A.A., IAkubovskii, O.A. - Forbidden transition lines related to the first excited sp^2 configurations in isoelectron coronal sequences. Quadrupole transitions in sp^2 configurations. p.760.

PHYSICS:
Abagian, S.A., Subashiev, V.K. - Structure of the conduction band in GaP. p.763.
Arsenin, V.V. - Instability of a beam of a rarefied inhomogeneous plasma. p.766.
Voskresenskii, G.V., Bolotovskii, B.M. - Field of a charged carrying thread uniformly moving near a system of ideally conducting half-planes. p.770.
Komar, A.P., Makhnovskii, E.D. - Low-energy deuterons and tritons produced in the photodisintegration of Li^6. p.774.
Kosman, M.S., Sozina, A.N. - Relaxation oscillations in dielectrics. p.778.
Kocharov, G.E. - Proton-proton cycle and solar neutrinos. p.781.
Takibaev, Zh.S., Tleubergenova, G., Shalagina, E.V. - Emission of helium particles in interactions between high-energy pions and nucleons and complex nuclei. p.785.
TECHNICAL PHYSICS:
Ageev, N.V., and others. - Dislocations in titanium-molybdenum, iron-aluminum alloys. p.789.
Alfintsev, G.A., Ovsienko, D.E. - Mechanism underlying the growth of gallium crystals from the melt. p.792.
Dekhtiar, I.IA., Levina, D.A., Mikhalenkov, V.S. - Positron - electron annihilation in plastically deformed metals. p.795.
Kanaev, A.A., Veiler, S.IA. - Elasticokinetic phenomena due to friction in plastically deformed metals. p.799.
Plaksin, I.N., Malysheva, N.G., Starchik, L.P. - Use of the bremsstrahlung from beta-preparations in the excitation of photonuclear reactions. p.803.
GEOPHYSICS:
Lebedev, S.L. - Nonstationary one-dimensional model of a convective cloud. p.806.
Marchuk, G.I. - Numerical weather forecasting on the spherical earth. p.810.
Mill', B.V. - Hydrothermal synthesis of garnets containing V^{3+}, In^{3+}, and Sc^{3+}. p.814.
GEOLOGY:
Buturlinov, N.V., and others. - New data on Devonian igneous activity in the southwestern margin of the Donets Basin. p.817.
Gladkovskii, A.K., Khramtsov, V.N. - Origin of the bauxites of the Kursk Magnetic Anomaly region. p.821.
Grossgeim, V.A. - Bottom currents in the Chokrak Basin of the southern Stavropol Territory. p.825.
Pavlova, T.G. - New type of granite formation as revealed by a study of the western part of central Kazakhstan. p.827.
Rostovtsev, K.O., Aladatov, G.M. - Triassic sediments of western Ciscaucasia. p.830.
Sergeeva, V.B. - Stratigraphy of the Neogene sediments of Iturup Island (Kurile Islands). p.834.
Sulimov, I.N. - Analogues of the Usolye formation and facies-structural zones of the Lower Cambrian in the Eastern Sayan foothills. p.838.
Firsov, L.V. - Absolute age of the intrusive rocks of the Kunashir and Urup Islands (Kurile Islands). p.841.
Chernov, G.A. - Silurian sediments of the Chernov upheaval (Bol'shezemel'skaya Tundra). p.843.
MINERALOGY:
Grum-Grzhimailo, S.V., Rimskaia-Korsakova, O.M. - Absorption spectra of phlogopites containing trivalent iron in fourfold coordination. p.847.
PETROLOGY:
Zhabin, A.G., Cherepivskaia, G.E. - Rheomorphic veins of liquefied sandstone, fenitized sandstone, and tuffaceous sandstone dikes from the Maymecha-Kotuy magmatic province in Arctic Siberia. p.851.
CHEMISTRY:
Andreev, S.N., Sapozhnikova, O.V. - Near hydrate surroundings of Cu^{2+} ions in diluted aqueous solutions of Cu (II) salts. p.855.
Andrianov, K.A., Kononov, A.M. - Mechanism of rearrangements of dimethylcyclosilazanes. p.858.
Bel'skii, I.F., and others. - Catalytic transformations of β-furylpropionic and β-furylacrylic acids during hydration in the vapor phase. p.861.
Boikova, A.I., Toropov, N.A., Kuznetsov, A.K. - Rare earth silicates as crystal-chemical indicators. Solid solutions of tricalcium silicates with lanthanum oxyorthosilicate. p.865.
Glukhovtsev, V.G., and others. - Synthesis of aldehydo alcohols and ketols of the furan series. p.869.

P 13[illegible]

[illegible], G.G., and others. - Structure determination of some isomeric disubstituted ferrocenes based on their infrared absorption spectra. p.87[illegible].
[illegible], S.M., Vezer, R.A., Koroleva, K.I. - Composition and chemical nature of sapropelic acids. p.877.
Korshak, V.V., Vinogradova, S.V., Pankratov, V.A. - Effect of the structure of initial biphenols on the properties of polyarylates. p.890.
Nefedov, O.M., Ivashenko, A.A. - Reaction of di-, tri-, and tetrachloromethanes with metallic lithium. A new technique of chlorocarbene production. p.884.
Nikolaev, A.V., [illegible], I.M., IAkovlev, I.I. - Phase equilibria in the systems $UO_2SO_4 - H_2O - C_4H_9OPO(C_4H_9)_2$ and $H_2SO_4 - H_2O - C_4H_9OPO(C_4H_9)_2$. p.888.
[illegible], V.M., Sinitsyn, N.M., Zviagintsev, O.E. - Nitrosoruthenium compound $[RuNO(NO_2)_2(NH_3)OH]$. p.891.
Ravich, M.I., Borovaia, F.E. - Solubility of sodium carbonate in water at elevated temperatures and pressures. p.894.
PHYSICAL CHEMISTRY:
Benderskii, V.A., and others. - Attachment levels in organic photoconductors. p.897.
[illegible], G.K., and others. - Use of infrared absorption spectra in studying the structure of surface compounds formed during adsorption of ethanol on γ-oxide of aluminum. p.901.
Gol'binder, A.I., Tyshevich, V.F. - Channeling effect in the detonation of explosives. p.905.
Gol'danskii, V.I., Rochev, V.IA., Khrapov, V.V. - Mössbauer effect in organic compounds of bivalent tin. p.909.
Men', A.N., and others. - Thermodynamic analysis of equilibrium in the dissociation of ferrites. p.912.
Pikaev, A.K. - Approximate method of estimating the absolute values of the rate constants of radiation reactions in aqueous solutions. p.916.
Polak, L.S., Khait, IU.L. - Some problems of the kinetics of chemical reactions in plasma jets. p.920.
Slonimskii, G.L., and others. - Physicochemical means of regulation of supermolecular structures and mechanical properties of amorphous polyarylate F-1. p.924.
Tarasevich, IU.I., and others. - Nuclear magnetic resonance of the protons of water adsorbed on montmorillonite. p.926.
Topchieva, I.N., and others. - Stereospecific effects in interfacial polycondensation. p.929.
TSitsishvili, G.V., and others. - Chromatographic separation of a mixture of hydrocarbon gases $C_1 - C_4$ on X-type zeolites with a different content of calcium cations. p.932.
CHEMICAL TECHNOLOGY:
Baruzdina, R.S., Esipova, L.N., Taits, E.M. - Young's modulus of coke as dependent on the carbonization temperature. p.935.
Degtiareva, E.V., Kainarskii, I.S. - Kinetics of corundum caking. p.937.
HISTOLOGY:
Leites, F.L., Golosovskaia, M.A. - Distribution of lipolytic enzymes in the walls of different human vessels. p.941.
BIOPHYSICS:
Khomutovskii, O.A. - Change in the submicroscopic structure of bone marrow cells in the early stages of radiation sickness induced by radioactive strontium. p.945.
BIOCHEMISTRY:
Bresler, S.E., and others. - Molecular state of DNA of the T-2 bacteriophage in the process of its intracellular development. p.947.
Privalov, P.L., Kafiani, K.A., Monaselidze, D.R.- Study of thermal DNA denaturation with the aid of adiabatic microcalorimetry. p.951.
PLANT PHYSIOLOGY:
Dorokhov, B.L. - Possibility of extrastomatal photosynthesis in the apple tree. p.954.
Karanov, E., Vasil'ev, G. - Physiological activity of some thiourea derivatives and their chemical structure. p.957.
Rubin, B.A., Gavrilenko, V.F., Guzhova, N.V. - Biosynthesis of ferroporphyrins in roots as related to the metabolism of plants. p.961.
PHYSIOLOGY:
Kasill', G.N., and others. - Humoral mechanisms of reactions caused by the introduction of carbocholine into cerebrospinal fluid. p.964.
Mchedlishvili, G.I., Nikolaishvili, L.S. - Nervous mechanism of the nutritive reactions of pial arteries supplying blood to the cortex of cerebral hemispheres. p.968.
Orlov, I.V. - Thresholds of caloric nystagmus during the rotation at a constant velocity. p.972.
Khomulo, P.S. - Atherosclerosis in young dogs induced by a prolonged functional stress of the central nervous system. p.976.
Etingov, R.N., Shukoliukov, S.A., Leont'ev, V.G. - Output of Na and K ions from the external segments of retinal photoreceptors under the influence of illumination and vitamin A. p.979.
ENDOCRINOLOGY:
Borovitskaia, M.P., and others. - Effect of large doses of cortisone on C57BL mice. p.982.

Vol.156, no.5, June 1964.
Table of contents translated:
MATHEMATICS:
Andrunakievich, V.A., Riabukhin, IU.M. - Moduli and radicals. p.991.
Aranson, S.Kh. - Field rotation in a theorem in the theory of crude dynamic systems on a torus. p.995.
Vinogradov, A.M. - Some homotopic properties of a space imbedding a circle inside a sphere or ball. p.999.
Vitushkin, A.G. - Some properties of linear superpositions of smooth functions. p.1003.
Gabasov, R., Kirillova, F.M. - Optimization of convex functionals on the trajectories of linear systems. p.1007.
Gavrilov, G.P. - Quasi-Peano behavior of functions. p.1011.
Gudiev, A.Kh. - Imbedding theorems for certain classes of abstract functions. p.1014.
Dubinskii, IU.A. - First boundary value problem for degenerate quasi-linear elliptic systems of differential equations. p.1018.
Krasnosel'skii, M.A., Strygin, V.V. - Certain indications of the existence of periodic solutions to ordinary differential equations. p.1022.
Maikov, E.V. - $\mathcal{T}$-Polynomials. τ-Analytic functionals. p.1025.
Rofe-Beketov, F.S. - Expansion in eigenfunctions of systems with summable potentials. p.1029.
Trenogin, V.A. - Existence and asymptotic behavior of "solitary wave" type solutions to differential equations in Banach space. p.1033.
Cheremnykh, IU.N. - Behavior of solutions to the first boundary value problem for certain quasi-linear parabolic equations. p.1037.
IAkubov, S.IA. - Solvability of the Cauchy problem for evolutional equations. p.1041.
CYBERNETICS AND REGULATION THEORY:
Nechiporuk, E.I. - Self-correcting gate circuits. p.1045.
MATHEMATICS:
Artobolevskii, I.I. - Mechanisms for drawing parabolic and hyperbolic curves. p.1049.
Sagomonian, A.IA. - Problem of the interaction of bodies moving at great speeds. p.1053.
AERODYNAMICS:
Generalov, N.A., Losev, S.A., Osipov, A.I. - Relaxation of the vibrational energy of air molecules behind the front of a direct shock wave. p.1057.
THEORY OF ELASTICITY:
Martynenko, M.D. - Fundamental boundary value problems in the two-dimensional theory of elasticity for regions with "slits." p.1061.
Pogorelov, A.V. - Loss of stability by a convex shell under the pressure of a tightly stretched thread. p.1064.
ASTRONOMY:
Vitkevich, V.V. - Structure of the solar supercorona. p.1065.
MATHEMATICAL PHYSICS:
Olimpiev, I.V. - Estimates of the field in the shadow zone in the event of the diffraction of a cylindrical wave on a bounded convex cylinder. p.1068.
PHYSICS:
Voskresenskii, G.V., Bolotovskii, B.M. - Radiation from a charged point particle flying along the axis of a semi-infinite circular wave guide. p.1072.
Sirota, N.N., Gololobov, E.M. - Experimental determination of the effective charges of ions of $A^{III}B^{V}$ substances based on X-ray diffraction data. p.1075.
GEOPHYSICS:
Zilitinkevich, S.S., Laikhtman, D.L. - Heat conduction and moisture exchange in a turbulent atmosphere in the case of phase transitions of moisture. p.1079.
GEOLOGY:
Moskaleva, S.V. - Upper mantle and the genesis of ultrabasites. p.1083.
HYDROGEOLOGY:
Kissin, I.G. - Hydrodynamic anomalies in the Pre-Neogene water-bearing complexes of eastern Ciscaucasia. p.1087.
MINERALOGY:
Rashkovich, L.N., Varlamov, V.P. - New calcium fluosilicate. p.1091.
PETROGRAPHY:
Romanova, M.A. - Regionalization of the sands of the central Karakum according to their spectral brightness. p.1095.
GEOCHEMISTRY:
Ettinger, I.L., and others. - Some characteristics of the sorption properties of the anthracite of the eastern Donets Basin. p.1099.

CHEMISTRY:
Vol'pin, M.E., Shur, V.B. - Nitro[illegible] complex catalysis. p.1102.
Deviatykh, G.G., and others. - Ch[illegible] analysis of mixtures formed by [illegible] organic hydrides. p.1105.
Zalukaev, L.P., Mikhant'ev, B.I., [illegible] Problem of intramolecular don[illegible] action. p.1109.
Ivanov, V.I., Korneva, G.M., [illegible] Open cycles in the cellulose mo[illegible]
Liberman, A.L., Bragin, O.V., [illegible] Hydrogenolysis of cyclohexane [illegible] of n-hexane at atmospheric pre[illegible]
Poroshin, K.T., and others. - Synth[illegible] peptide compounds. p.1118.
Razuvaev, G.A., and others. - [illegible] dienyl compounds of titanium. p.11[illegible]
Sosin, S.L., Kotshok, V.V., [illegible] Effect of polar factors in the [illegible] reaction. p.1124.
Toropov, N.A., Mandal, [illegible] of lanthanum and yttrium alum[illegible]
Fedoseev, A.D., Chigareva, O.G. [illegible] bromo-magnesium [illegible] p.11[illegible]
Freidlina, R.Kh., Amirov, [illegible] Rearrangement of radicals in the [illegible] of ethylene by acetic acid. p.113[illegible]
Shuikin, N.I., Shostakovskii, V.M., [illegible] Catalytic isomerization of [illegible] propionic esters. p.1137.
PHYSICAL CHEMISTRY:
Abbasov, A.S., and others. - Thermo[illegible] ties of gallium tellurides studied by [illegible] motive force method. p.1140.
Boldyrev, V.V., Skorik, A.I. - Electr[illegible] tion of silver azides and barium az[illegible] instant of irradiation by X-rays. p.114[illegible]
Brodskii, A.I., and others. - Electron [illegible] resonance spectra of radicals [illegible] of polyamides. p.1147.
Gerasimov, G.N., Khomikovskii, P.M., [illegible] A.D. - Mechanism of radiation [illegible] tion of ethylene. p.1150.
El'iashevich, A.M., Ptitsyn, O.B. [illegible] the theory of the configuration [illegible] electrolyte molecules. p.1153.
Kargin, V.A., Sogolova, T.I., Shap[illegible] T.K. - Regulation of the supermole[illegible] of polymers by the introduction of [illegible] crystallization nuclei. p.1156.
Lazarev, V.B. - Adsorption layer [illegible] molten germanium. p.1159.
Ludvig, E.B., Gantmakher, A.R., M[illegible] Mechanism of cationic polymerization [illegible] presence of metal halides. p.116[illegible]
Rakova, G.V., Enikolopian, N.S. - M[illegible] of polymers obtained in cationic poly[illegible] trioxane. p.1167.
Tedoradze, G.A., Arakelian, R.A. [illegible] quantities of organic substances [illegible] the measurements of mercury electr[illegible] p.1170.
Terent'ev, A.P., and others. - Electron [illegible] netic resonance spectra of optically [illegible] compounds of copper with oxyaldimines [illegible] ketimines. p.1174.
Shchelkin, K.I. - High-frequency pulsati[illegible] solid fuel burning. p.1178.
CYTOLOGY:
Pankova, N.V. - Cytochemical stud[illegible] in the early embryogeny of fishes. p.11[illegible]
Tokin, I.B. - Ultrastructure of [illegible] of intestinal epithelium. p.1186.
ECOLOGY:
Burdak, V.D. - Extent of morphologic dis[illegible] tween intraspecific forms of some fish[illegible] Black Sea and the Sea of Azov. p.11[illegible]
HYDROBIOLOGY:
Votintsev, K.K., Popovskaia, G.I. - [illegible] characteristics of northern Lake Baikal. [illegible]
MICROBIOLOGY:
Cherkasskii, E.S., Sobchenko, N.N., [illegible] A.K. - Fungicidal properties of some [illegible] pyridines. p.1197.
Shaposhnikov, V.N., Loriia, ZH.K. - Effect of the conditions of cultivation on the nature of the utilization of formic acid by Bacterium [illegible] p.1201.
BIOPHYSICS:
Kriukov, L.M., Kasymov, A.A. - Role of [illegible] in the disturbance of structural formations [illegible] irradiated plants. p.1204.
Teplits, N.A. - Dynamics of changes in the [illegible] acid content following X-ray irradiation, suppression and restoration of the regeneration ability in the extremities of axolotls. p.1207.
BIOCHEMISTRY:
Nikonov, G.K. - Deltoin a new natural [illegible] p.1210.
Pevzner, L.Z. - Effect of adrenaline injections on the nucleic acid content of neural and glial cells of the sympathetic ganglion. p.1213.

[illegible]

...: Boundary between the ... and ... in the ... Basin. p. [illegible]

[illegible]

...: Effect of a magnetic field on ... of ... p. 524.

...: Effect of ... of a boundary layer on ... processes. p. 525.

...: Effect of ultraviolet radiation on ... p. 526.

...: Series of ... compounds for ... and ... analysis of polystyrene and poly-α-methylstyrene. p. 527.

...: Thermodynamic ... of ... in ... chromatographic ... p. 528.

...: Structure of the ... grain in ... p. 529.

...: Shaping of ... by a rotary tool. p. 530.

...: Effect of ... and temperature on the ... spectra of ... p. 531.

[illegible]

...: Annual rings and ... p. 118

...: Earthquakes in the ... region. p. 119

...: "..." of volcanoes. p. 118

...: Problems of science on the ... p. 118

...: Hydraulic method of the ... of animals. p. 89.

...: Greedy ... p. 88.

...: ... through the eyes of a geologist. p. 90

Makarenko, A. A.: ... that has come true; ... management of agriculture. p. 107.

...: Discovery of new planetary nebulae. p. 133

The structure of a protein is ... p. 111.

Artificial ... of the formation of ... clouds. p. 118

...: Experiments with ... p. 122.

Czechoslovakian travelers get acquainted with the U.S.S.R. p.113.
True ocean level. p.113.
Florenskii, K.P. - Useful collection: "Interaction of sciences in the study of earth." p.121.
Panfilov, D.V. - "Superorganismic" form of life; "Ants" by I. Khalifman. p.122.
IAkovlev, IU.IA. - In the world of chemical elements; "Frontiers and evolution of the periodical system" by D.N. Trifonov. p.123.
Shul'ts, G.E. - In the land of eternal sunshine; influence of the continuous summer day on the seasonal development of trees and shrubs. p.125.
Barkalov, I.A., Dzhamagarin, V.K. - Second birth of a river. p.126.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.39, nos.5-6, May-June 1964.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos.6(292)-7(293), June-July 1964.

b. ASTRONOMY

ASTRONOMICHESKII TSIRKULIAR [ASTRONOMICAL CIRCULAR]. Published by Biuro astronomicheskikh soobshchenii Akademii nauk SSSR [Bureau of Astronomical Information of the Academy of Sciences of the U.S.S.R.]. Kazan, no.238, Apr. 1963.

Table of contents translated:
Orlov, M.IA., Rodriges, M.G. - Spectral observations of Nova Herculis (1963). p.1.
Lange, G.A. - New elements of two short-period Cepheids. p.1.
Astapovich, I.S. - Incompetence of the hypothesis of the fall of Tunguska meteorite on June 30, 1908. p.2.

No.239, Apr.1963.

Table of contents translated:
New Alcock's comet (1963b). p.1.
Alcock's comet (1963b). p.1.
Ivanova, N.L., Kazarian, M.A., Oganesian, R.Kh. - Observations of Nova Herculis (1963). p.1.
Makover, S.G. - Ephemeride of Encke's comet for 1963-1964. p.3.

No.240, Apr.1963.

Table of contents translated:
Sharov, A.S., Efremov, IU.N. - Brightness variations of the object identified with the radio source 3C 273. p.1.
Shcheglov, P.V. - Observations of an unusual nebula near the direction toward the galactic center. p.2.

*ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.41, no.3, May-June 1964.

Table of contents translated:
Gershberg, R.E., Shcheglov, P.V. - Investigation of radial velocities and internal motions of diffuse nebulae by means of a Fabry-Perot standard. p.425.
Ginzburg, V.L., Syrovatskii, S.I. - Secondary electron component of cosmic rays and the spectrum of general galactic radio emission. p.430.
Troitskii, V.S., TSeitlin, N.M., Porfir'ev, V.A. - Results of measurements of the radio-emission intensity of Tauri-A in the decimeter wavelength range. p.446.
Gailitis, A.K., TSytovich, V.N. - Acceleration by radiation and the generation of fast particles under cosmic conditions. Pt.3: Time measurements of the intensity of radio-emission sources. p.452.
Livshits, M.A., Pikel'ner, S.B. - Diamagnetic ejection of gas concentrations from sunspot areas. p.464.
Livshits, M.A. - Energy balance in the transition area between the chromosphere and corona. p.473.
Nikitin, A.A. - Spectra of coronal ions connected with sp^3 configurations. p.482.
Kolesov, A.K. - Continuous spectra of helium white dwarfs. p.485.
Ozernoi, L.M. - Gravitational instability of a nonhomogeneous plasma medium. p.494.
Kostiakova, E.B. - Spectrophotometry of bright regions of the Milky Way. p.505.
Zdanovicius, K., Straizys, V. - Influence of the bandwidth effect on the parameters of the U,B,V system. p.519.
Agekian, T.A. - Spherical star clusters in a quasi-stationary state. p.523.
Teifel', V.G. - Photometric properties of the red spot on Jupiter. p.531.
Vsekhsviatskii, S.K. - Physical characteristics of 1961-1963 comets. p.539.
Averkov, S.I., and others. - Astronomical station for observations in the far infrared spectral region. p.542.
Pavlov, V.E. - Atmospheric scattering indicatrice in the visual and ultraviolet spectral region. p.546.
Bovsheverov, V.M., Kallistratova, M.A. - Method and preliminary measurements of the fluctuation of the solar limb image. p.550.
V'iushkov, P.V., Skliarov, IU.A. - Bolometric pyrheliometer as a standardization instrument for absolute measurements of direct solar radiation. p.555.
Efimov, A.A. - Photoelectric spiral micrometer for limb readings. p.559.
Grebenikov, E.A. - Stability of the Lagrange triangle solutions of the restricted elliptic three body problems. p.567.
Glagoleva, I.I., Fedorov, E.P. - Studying the spectrum of errors of latitude observations. p.579.
Boiarchuk, A.A., Mustel', E.R. - Line spectrum of the "old" Nova Aquilae 1918 (V 603 Aql). p.587.
Pikel'ner, S.B. - "Annual review of astronomy and astrophysics." p.590.
Vitkevich, V.V. - Radio astronomy at the 14th assembly of the U.R.S.I. p.592.
New books on astronomy. p.595.
Abstracts of articles on astrophysics published in the periodical "Radiophysics" Vol.6, nos.4-6, 1963. p.596.

KAZAN. UNIVERSITET. Astronomicheskaia observatoriia. Izvestiia [UNIVERSITY. Astronomical Observatory. Bulletin]. No.33, 1963.
Contents: Nefed'eva, A.I. [Differential catalog of 2288 stars from the catalog of faint stars] Differentsial'nyi katalog 2288 zvezd kataloga slabykh zvezd. 215 p.

REFERATIVNYI ZHURNAL: ISSLEDOVANIE KOSMICHESKOGO PROSTRANSTVA (Otdel'nyi vypusk 62) [JOURNAL OF ABSTRACTS: SPACE RESEARCH (Separate Issue 62)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.1-5, Jan.-May 1964.

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Erivan, vol.15, no.5, May 1962.

Table of contents translated:
Gulkanian, V.O. - Importance of pruning in the production of wheat seed. p.3.
Mardzhanian, G.M., Markosian, Zh.K. - Chemical control of mulberry pests and the protection of silkworms from poisoning. p.11.
Khachatrian, M.S. - Some problems of the biology and dynamics of gram blight caused by Ascochyta Rabiei in the Armenian S.S.R. p.23.
Minasian, S.M., Khodzhumian, G.A. - Effect of various methods of pruning on the chemical composition of annual shoots and fruits of the Anna Shpet plum. p.31.
Mkhitarian, V.G. - Effect of chloroprene on the sulfhydryl compound content of tissues. p.39.
Khachatrian, G.S. - Glucose and pyruvate absorption and lactate secretion by the brain after insulin and conditioned insulin stimulation and in amytal-induced sleep. p.51.
Kechek, IU.A., Semerdzhian, L.V. - Dynamics of protein fractions in the blood serum after chloroprene intoxication. p.63.
Gevorkian, S.M. - Prothrombin-forming function of the liver in pregnancy toxicoses. p.71.
Arustamova, F.A. - Study of the chemical composition of motherwort in Azerbaijan. p.77.
Vasil'eva, I.N. - Embryogenesis and parthenogenesis of liver flukes under natural conditions and the role of the pond snail Limnaeus truncatula in the epizootiology of fascioliasis. p.83.
Navasardian, A.A. - Effect of penicillin on agglutinin formation in brucellosis. p.89.
Afrikian, E.G. - Fundamental work on antibiotics. p.95.

Vol.16, no.5 May 1963.

Table of contents translated:
Mndzhoian, A.L., Samvelian, V.M. - Relation between the chemical structure and local anesthetic action among some derivatives of p-alkoxy and ethoxy benzoic acids. p.3.
Safrazbekian, R.R., Sukasian, R.S., Parsadanian, R.G. - Effect of some atropine analogues on experimental bronchospasm. p.7.
Ter-Karapetian, M.A., Makarova, E.N. - Vitamin B requirements of some representatives of yeasts of the genus Candida. p.15.
Adunts, G.T. - Fluctuations in the activity of phosphomonoesterases of various brain sections of a chicken embryo under changing pH of the medium. p.25.
Cherkesian, Z.S. - Changes in inorganic and lipoid phosphorus of the blood under the action of pain and conditioned pain stimulation. p.31.
Galach'ian, R.M. - Effect of some amino acids and the age of cultures on the synthesis of growth promoting substances by tumor pathogens. p.37.
Movsesian, S.N. - Behavior of male gametes in Rudbeckia sullivanti. p.43.
Abramian, R.A., Gerich, I.F. - Ornamental trees and shrubs of Dilizhan. p.49.
Melik-Khachatrian, Dzh.G. - New materials on mycoflora and diseases of subtropical cultures of Noyemberyan District. p.59.
Manushakian, S.S. - Effect of mineral fertilizers on the seed quality of cotton in the second seed progeny. p.67.
Avetisian, O.R., Manucharian, G.G. - New chemical methods of controlling the Caucasian house sparrow. p.75.
Ogandzhanian, A.M. - Study of gamasid mites in the Armenian S.S.R. p.81.
Rikhter, V.A. - Materials on robber flies (Diptera, Asilidae) of the Caucasus. p.85.
Tambian, N.N. - Brief study of algae of the Ararat Plain. p.91.
Nor-Averian, N.G., and others. - Effect of the gibberellin solution concentration on the penetration of radioactive phosphorus into pea sprouts. p.95.

Vol.17, no.4, Apr. 1964.

Table of contents translated:
Gambarian, L.S. - Comtemporary concepts of the structure of the motor analyzer. p.3.
Khidrogluian, Sh.A., Ipekchian, N.M. - Regeneration of the spinal cord in rats. p.11.
Simonian, A.A. - Activity of adenosinetriphosphatase in the mitochondrias of different chick organs and its changes under the influence of heat treatment. p.21.
Nor-Arevian, N.G., Semerdzhian, S.P. - Effect of different oxygen pressures on radiation injury. p.25.
Kirakosian, A.V., Melkonian, Zh.S. - New varieties of Azotobacter agile from soils of the Armenian S.S.R. p.33.
Ibragimova, R.M. - Effect of metabolites of some soil micro-organisms, isolated from the soils of Azerbaijan, on the growth and development of plants. p.43.
Birtsian, A.A., Minasian, R.O. - Effect of inbreeding on the biological and economic characteristics of brown Caucasian cattle. p.49.
Akhumian, K.S., Mashadian, P.N. - Biology of Raillietina (Skrjabinia) circumvallata sibirica Fedjushin, 1953 (Cestoda), anintestinal parasite of chickens. p.59.
Akramovskii, N.N., Azarian, Dzh.M. - Is Euomphalia arpatschaiana (Mousson, 1873) an independent species? p.69.
Martirosian, S.N. - Materials on the study of the representatives of bracket fungi of the genus Phellinus Quel in the Armenian S.S.R. p.77.
Nikogosian, V.G. - Lichen flora of Armenia. p.89.
Filina, S.A. - Mechanism of the reaction with Sabin-Feldman stain. p.101.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia biologicheskikh i meditsinskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Biological and Medical Sciences]. Baku, no.2, 1962.

Table of contents translated:
Guseinov, B.Z., Nadzhafov, Sh.G. - Effect of saturation irrigation and mineral nutrition on photosynthesis and the movement of assimilates in white mulberry under the arid conditions of the Apsheron Peninsula. p.3.
Novruzova, Z.A. - Wood of Azerbaijanian forest elms (Ulmus) in connection with their ecology. p.9.
Akhundov, T.M. - Biology of the fungus causing cylindrosporiosis of chestnuts. p.17.
Abdullaev, I.K., Dzhafarov, N.A. - New data on the biology and seed reproduction of the highly polyploidic "Khar-tut" mulberry (Morus nigra L.). p.25.
Aleskerov, K.N. - Effect of the development conditions on raw cotton yields and the technological properties of fibers. p.33.
Feizullaev, N.A. - Fauna and ecology of the trematodes of birds of the order Herodiones in the Lenkoran zone and the Kura-Aras Lowland in Azerbaijan. p.45.

Badykhov, I.A. – Distribution of the wild representatives of the cat family (Felidae) in Azerbaijan. p.53.
Ismailov, A.D. – Age conditioned changes in the meat and fat productivity of Kazakh fat-tailed sheep on the seasonal pastures of Azerbaijan. p.63.
Eldarov, R.E. – Effect of presowing irradiation of seeds with gamma rays of Co^{60} and roentgen on the technological properties of raw cotton and the fiber yield. p.67.
Shatilov, [illegible], [illegible] – [illegible] of the oak and hornbeam forests in the Shusha forest tract. p.71.
Agaev, B.M., Mamedov, [illegible] – Yield of cotton in the fields depending on the degree of weed infestation. p.79.
Mustafaev, Kh.M. – Soil erosion and its control by afforestation in the [illegible] Valley. p.83.
Khalilov, M.Yu. – Study of the [illegible] effect of the root systems of trees and shrubs in the mountain forest zone of [illegible]. p.92.
[illegible], [illegible] – Effect of the stimulation of adrenergic structures of the cellular formations in the course of [illegible]. p.102.
Salikhov, R.M. – Effect of the complex of health-promoting factors of the [illegible] springs on the [illegible] of the blood. p.112.
Gabibli, [illegible] – Pathological anatomical changes in gunshot lesions according to the data of surgical findings. p.118.

No.1, 1964.

Table of contents translated:
[illegible]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut fiziologii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Physiology. Transactions], Tiflis, vol.13, 1963.

Table of contents translated:
Beritashvili, I.S. – Role of different areas of the brain in the conditioned behavioral activity. p.3.
Narikashvili, S.P., and others. – Some characteristics of the reticular facilitation of responses of the visual system. p.19.
Narikashvili, S.P., Moniava, E.S. – Reticular facilitation of responses of the cerebral and cerebellar cortices. p.29.
Dzidzishvili, N.N. – Evoked responses of the cerebral cortex regenerated after [illegible]. p.[illegible].
[illegible], [illegible] – Correlation of changes in the electroencephalogram and general motor activity in normal cats during stimulation of the amygdala complex. p.61.
Dzidzishvili, N.N., [illegible], [illegible] – Interaction of the cerebral cortex and the mesencephalic reticular system in the compensation of locomotor functions. p.69.
Devrishvili, V.D. – Effect of some pharmacological substances on the electric activity of the cerebral cortex in ontogenesis. p.77.
Kokaia, G.I., [illegible] – Projection of the cerebellum in the paleocortex. p.89.
Kokaia, G.I., [illegible] – Paths connecting the cerebellum with the cerebrum. p.99.
Nutsubidze, M.A. – Functional reactions of a cat evoked by stimulation of the gyrus cinguli. p.105.
Ordzhonikidze, Ts.A. – Effect of a lesion of the caudate nucleus on the behavioral reactions of a cat. p.113.
[illegible], [illegible] – Conduction capacity of tracts and [illegible] of the spinal cord. p.123.
Oniani, T.N. – Functional differentiation of motor units in muscle. p.127.
[illegible], D.V. – Effect of the stimulation of internal organs on the respiratory movements in dogs. p.139.
Mchedlishvili, G.I. – Mechanism of the regulation of cerebral circulation. Report No.2: Functional characteristics of various parts of the arterial system of the brain. p.147.
[illegible], [illegible] – Connections between the conducting paths of the spinal cord and the gelatinous substance of the posterior horns. p.161.
[illegible], I.I. – Cytological study of deoxyribonucleic acid in the nuclei of retinal neurons under various conditions of the illumination of the eye. p.169.
Klein, E.E. – Ammonia formation in brain tissues as affected by pharmacological agents. p.173.
[illegible], G.G. – Effect of borate on ammonia formation in brain preparations. p.181.
[illegible], [illegible] – Some physicochemical properties of [illegible]. p.191.
[illegible], M.N. – Study of the asparaginase activity and the reaction of [illegible] acid amination in a rat brain in [illegible]. p.200.
[illegible], A.I. – Changes in the distribution of the components of the adenylic system and creatine phosphate during the [illegible] of muscles. p.[illegible].
Nadareishvili, K.Sh. – Immediate reactions of the cardiovascular system of animals to the external effect of ionizing radiation. p.219.
[illegible], V.V. – Pearson's curves used in biology for statistical data processing. p.237.
Nadareishvili, K.Sh., [illegible], I.I. – Bridge circuits for absolute recording of blood pressure, respiration, and muscular contraction. p.243.
Nadareishvili, K.Sh. – Multichannel [illegible] of physiological research. p.251.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut zoologii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Zoology. Transactions], Tiflis, vol.19, 1963.

Table of contents translated:
[illegible], T.I. – [illegible] of Khrami Reservoir (1947-1956). p.5.
[illegible], [illegible] – [illegible] of Khrami Reservoir. p.19.
[illegible], V.M. – Zooplankton of Khrami Reservoir during the first years of its existence (1947-1950). p.23.
[illegible], V.M. – Zooplankton of Khrami Reservoir, second book. p.31.
[illegible], [illegible] – Zoobenthos of Khrami Reservoir during the first years of its existence. p.37.
[illegible], [illegible] – Zoobenthos of Khrami Reservoir during 11 years after its completion. p.45.
[illegible], [illegible] – Materials on wild carp and [illegible] in Khrami Reservoir. p.59.
[illegible], A.N. – Materials on feeding habits of fishes in Khrami Reservoir. p.111.
[illegible], [illegible] – Materials on ichthyofauna of Tiflis Reservoir. p.119.
[illegible], A.D. – Materials on feeding habits of fishes in Tiflis Reservoir. p.131.
[illegible], [illegible] – Oligochaetes of Tiflis Reservoir. p.139.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Biological Sciences], Alma-Ata, vol.2, no.1, Jan.-Feb. 1964.

Table of contents translated:
[illegible] in Bulgaria, an abstract. p.3
[illegible], [illegible], [illegible] – Some data on the [illegible] of animal organisms. p.5
[illegible], A.S. – Changes in the intestine and in the [illegible] of [illegible] animals with [illegible] in Kazakhstan. p.13.
[illegible], V.V. – Micromorphological structure of [illegible]. p.21.
[illegible], N.Kh. – Humus and nitrogen reserves in the soils of the lower Ili Valley. p.30.
[illegible], [illegible] – Land improvement and hydrogeological conditions of the "Kara-Chilik" irrigation canal. p.33.
[illegible], [illegible], [illegible], L.A. – Anatomical structure of [illegible] Laxmann. p.44.
[illegible], M.Kh., [illegible], V.D. – Breeding active strains of the [illegible] producers by using [illegible] rays. p.51.
[illegible], M.G. – Spawning grounds of the northern Aral Sea and their [illegible]. p.54.
[illegible], A.I. – Evaluation of the work for further improvement of the argali merino sheep breed of Kazakhstan. p.67.
[illegible], N.P. – Introduction of argali merino sheep of Kazakhstan into the farms of central Kazakhstan. p.72.
[illegible], G.I. – Histochemical study of glycogen in the heart muscles of sheep in ontogeny. p.81.
[illegible], V.A. – Microelements as stimulants of the activity of rumen microflora. p.[illegible].
[illegible], T. – Level of the sugar content in the rumen of growing calves. p.93.
Furaev, V.I., Khalilov, F.Kh. – Problems of modern embryology. p.98.
Mukhamedgaliev, F.M. – Trends in breeding activities of the sheep farmers of the Republic. p.[illegible].

AKADEMIIA NAUK SSSR. Gel'mintologicheskaia laboratoriia. Osnovy nematodologii [ACADEMY OF SCIENCES OF THE U.S.S.R. Helminthological Laboratory. Principles of Nematodology]. Moscow, vol.12, 1963.

Contents: Skriabin, K.I., Sobolev, A.A. [Spirurata of animals and man and the diseases caused by them. Part 2: Physalopteroidea] Spiruraty zhivotnykh i cheloveka i vyzyvaemye imi zabolevaniia. Chast' 2: Fizalopteroidei. 334 p.

AKADEMIIA NAUK SSSR. Institut tsitologii. Sbornik statei [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Cytology. Papers]. Moscow, no.7, 1964. Tsitologiia zlokachestvennogo rosta [Cytology of the malignant growth].

Table of contents translated:
Olenov, Iu.M. – Genetic analysis of the problem of tumor etiology. p.5.
Brezler, V.M. – Morphological characteristics of [illegible] induced in vitro by DNA preparations. p.23.
Brezler, V.M. – Morphological changes in a transplanted tumor caused by the action of the RNA of a normal tissue. p.47.
Brezler, V.M., [illegible], N.V. – Comparative cytological analysis of tumors caused by the [illegible]. p.56.
[illegible], V.Ia., [illegible], I.G. – Characteristics of tumors of connective tissue and muscular origin caused by the intramuscular injection of 20-methylcholanthrene. Report No.1: [illegible] study of the antigenic properties of rat tumors of [illegible] origin. p.63.
[illegible], I.N. – Study of the carcinogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No.1. Early histological changes in the rat liver under the action of N-nitrosodimethylamine and N-nitrosodiethylamine. p.76.
[illegible], I.N. – Study of the carcinogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No.2: Primary liver and kidney tumors produced in rats under the action of N-nitrosodiethylamine. p.88.
Vakhtin, Iu.B., and others. – Irradiation of monolayer cultures of rat fibroblasts. Report No.1. Repeated action of ionizing radiation in small doses. p.93.
Vakhtin, Iu.B., and others. – Irradiation of monolayer cultures of rat fibroblasts. Report No.2. Singular action of ionizing radiation in large doses. p.101.
[illegible], I.M. – Preparation of the rat sarcoma 45 strain adapted to the conditions of cultivation in vitro. p.109.
[illegible], I.M., Ignatova, T.N., Brezler, V.M. – Change in the sensitivity of tumorous cells to [illegible] in cultivation outside the organism. p.117.
[illegible], I.M. – Cloning of cells of the three variants of sarcoma 45. p.129.
[illegible], A.I. – Comparative sensitivity of the cell and cytoplasm of Amoeba proteus to the damaging action of acriflavine and urethane, tests in the transplantation of nuclei. p.138.
Brezler, V.M. – Comparative pathology of tumors; tumorous growth in invertebrates. p.145.

AKADEMIIA NAUK SSSR. Sevastopol'skaia biologicheskaia stantsiia. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Sevastopol Biological Station. Transactions], Sevastopol, vol.16, 1963.

Table of contents translated
Vodianitskii, V.A. – Ninetieth anniversary of the Sevastopol Biological Station. p.3.
Lebedeva, M.N., Gorbenko, Iu.A., [illegible], [illegible] – Distribution of heterotrophic microorganisms in the area of the Mediterranean basin in the summer, fall and winter. p.28.
Kondrat'eva, T.M. – Diurnal variations in phytoplankton of the Black Sea. p.53.
Pitsyk, G.K. – Qualitative composition of phytoplankton in the Sea of Azov. p.71.
[illegible], A.A., Denisenko, V.V. – Phytoplankton in the Aegean Sea. p.99.
Denisenko, V.V. – Some data on phytoplankton of the Adriatic Sea in July, 1958. p.107.
Mironov, G.N. – Anatomy of mandibles of Acartia clausi Giesbrecht. p.113.
Petipa, T.S., Sazhina, L.I., Delalo, E.P. – Vertical distribution of zooplankton in the Black Sea. p.119.
Shmeleva, A.A. – Food supply of fishes feeding on plankton in the southern part of the Adriatic Sea in 1958. p.135.
Shmeleva, A.A. – Weight characteristics of the mass forms of zooplankton in the Adriatic Sea. p.153.

Griga, R.E. - Harpacticoida of bottom biocenoses of the southern shore of the Crimea and the Caucasus. p.159.

Zakhvatkina, K.A. - Phenology of bivalve mollusk larvae of the Bay of Sevastopol. p.173.

Kiseleva, M.I., Slavina, O.IA. - Bottom biocenoses at the eastern shore of the Crimea. p.176.

Kiseleva, M.I. - Qualitative and quantitative distribution of benthos in the Aegean Sea. p.192.

Makkaveeva, E.B. - Biocenoses associated with the aquatic plants of the Mediterranean Sea. p.201.

Makkaveeva, E.B. - Population of some shoals of the Aegean Sea. p.211.

Chukhchin, V.D. - Quantitative distribution of benthos in the eastern part of the Mediterranean Sea. p.215.

Greze, I.I. - Feeding habits of the amphipod Dexamine spinosa (Mont.) in the Black Sea. p.224.

Greze, I.I. - Reproduction and growth of the amphipod Dexamine spinosa (Mont.) in the Black Sea. p.241.

Sushchenia, L.M. - Ecological and physiological characteristics of filter feeding in planktonic crustaceans. p.256.

Ivlev, V.S. - Study of the distribution of animals as related to the environmental gradients as a method of ecological and physiological analysis. p.277.

Siniukova, V.I. - Food supply for the larvae of saurel (Trachurus mediterraneus ponticus Aleev) in early phases of their development. p.282.

Siniukova, V.I. - Some data on the feeding habits of Trachurus larvae in the seas of the Mediterranean basin. p.292.

Duka, L.A. - Feeding habits of anchovy (Engraulis encrasicholus L.) larvae in the Adriatic Sea. p.299.

Lipskaia, N.IA. - Comparative characteristics of the feeding habits of Spicara smaris (L.) in the Mediterranean, Adriatic and Black Seas. p.306.

Kalinina, E.M. - Growth and feeding habits of Black Sea wrasses of the genera Crenilabrus and Symphodus. p.323.

Kalinina, E.M. - Comparison of the growth rate of some pelagic fishes of the Black and Adriatic Seas. p.337.

Dekhnik, T.V. - Some patterns in the stock fluctuation and elimination of eggs and larvae of Engraulis encrasicholus ponticus Alex. in the Black Sea. p.340.

Lugovaia, T.V. - Form and size of eggs of the anchovy Engraulis encrasicholus L. in various regions of the habitat. p.359.

Lugovaia, T.V. - Change in the size of eggs of the anchovy (Engraulis encrasicholus ponticus Alex.) during the spawning season. p.364.

Aleev, IU.G. - Location of the highest point of the body in fish. p.369.

Aleev, IU.G. - Buoyancy of fishes. p.375.

Zuev, G.V. - Specific gravity of the squid Ommastrephes sagittatus Lamark. p.383.

Nikolaeva, V.M. - Parasites of local schools of some pelagic fishes in the Black Sea. p.387.

Nikolaeva, V.M. - Materials on the parasites of Spicara smaris (L.) of the Black Sea. p.439.

Kucherova, Z.S., Gorbenko, IU.A. - Effect of bacterial film on the settling of diatoms. p.443.

Gorbenko, IU.A. - Formation of bacterial film on plates covered with antifouling paints and submerged into sea water. p.447.

Shapiro, A.Z. - Role of primary film in the mechanism of action of antifouling paint. p.453.

Lanskaia, L.A., Pshenina, T.I. - Comparison of the chemical composition of some diatom species in cultures and in the sea. p.457.

Suprunov, A.T., Muravskaia, Z.A. - Method of assaying vitamin B_{12} in seawater. p.463.

Rozhanskaia, L.I. - Cobalt content of water in the Black Sea and the Sea of Azov. p.467.

Dobrzhanskaia, M.A. - Content and distribution of organic matter in the Black Sea; based on oxidizability. p.472.

Dobrzhanskaia, M.A. - Content and distribution of nitrites in the Black Sea. p.488.

Khailov, K.M. - Organic secretions of sea macrophytes as a factor influencing the internal medium of offshore communities. p.496.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Botanical Institute. Transactions]. Dushanbe, vol. 21, 1964.

Contents: Zapriagaeva, V.I. [Wild fruit plants of Tajikistan] Dikorastushchie plodovye Tadzhikistana. 694 p.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia. Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Biological Sciences]. Ashkhabad, no. 2, 1964.

Table of contents translated:

Rabochev, I.S. - Land improvement and agrochemistry in the service of irrigated farming of Turkmenia. p.3.

Amanov, Kh.A. - Determining the total amount of water consumed by a field with shallow underground water table in the zone of the Kelifskiy Uzboy. p.8.

Kopekov, Ch. - Dynamics of the vegetation in the lands of northern Turkmenia irrigated in ancient times. p.18.

Efimov, G.S., Parshutin, S.M. - Transpiration of cotton and alfalfa in Murgab and Tedzhen Oases. p.24.

Mamednilazov O.N., and others. - Effect of vitamin B_{12} on the growth and development of caterpillars and the manifestation of jaundice in mulberry silkworm. p.30.

Vasilevskaia, V.K., Nechaeva, N.T. - Materials on the biology of Eminium lehmannii(Bge.)Ktze. p.35.

Petrov, M.P. - Economic significance of Nitraria. p.41.

Gubanov, I.A., Meshcheriakov, A.A. - Looking for biologically active substances in the plants of Turkmenia. p.46.

Daugul', R. - Growing perennial subtropical and fruit cultures on moisture-saturated lands in winter and irrigated lands in early spring in southwestern Turkmenia. p.51.

Rovshanov, B. - Role of alfalfa in raising the fertility of newly reclaimed lands of northern Turkmenia p.53.

Gorbacheva, V.F. - Binding sandy soils with polyacrylamide emulsion. p.57.

Ishadov, N. - Reproduction of the mountain ram in Turkmenia. p.63.

Charykuliev, D.M., Miartseva, S.N. - Biology of flies of the subfamily Miltogrammatinae (Diptera, Sarcophagidae). p.84.

Tashliev, A.O., Sukhinin, A.N., Bel'skaia, G.S. - Winter fauna of birds of lakes of the Kelifskiy Uzboy region. p.88.

Antonova, K.G. - Development of the vegetation of the southern Karakum region as related to meteorological conditions. p.93.

Nikolaev, V.N. - Reclamation of new pasture districts for seasonal animal husbandry in Turkmenia. p.61.

Kazakov, V.F. - Ooze of the Uzboy Valley and volcanic muds of the eastern Caspian coast. p.64.

Karandasova, O.S. - Effect of the thermal factor on various phases in the development of the apple tree. p.70.

Batyrova, M. - New cruciferae in the flora of the Kopetdag. p.71.

Miartseva, S.N. - Ecology of some digger wasps of the genus Sphex L. (Hymenoptera, Sphecidae) in the lower Murgab Valley. p.73.

Lomova, M.F. - Fauna of plant lice living on exerophytes in the lower Murgab Valley. p.77.

Shammakov, S., Markov, G.S. - Seasonal, zonal, age and sex differences in the parasites of the Caucasian agamas of western Turkmenia. p.80.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia biialagichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Biological Sciences]. Minsk, no. 1, 1964.

Table of contents translated:

IUrkevich, I.D., Smaliak, L.P. - Objectives of some branches of biological sciences in the light of the resolutions of the December Plenum of the Central Committee of the CPSU. p.5.

Turbin, N.V., Anokhina, V.S. - Restoration of alkaloid biosynthesis in grafting pairs of incompatible varieties of fodder lupine. p.15.

Holad, D.S. - Types and associations of spruce forests in the northeastern part of the White Russian S.S.R. p.22.

Vakula, U.S., Bibikau, IU.A. - Vegetative reproduction of the ornamental and exotic forms of woody plants. p.33.

Kudzinau, M.A. - Study of seed quality of introduced trees and shrubs. p.42.

Koshaleva, L.L. - Effect of potassium on some physiological processes in flax plants in meteorologically different years. p.50.

Hancharyk, M.N., Mardykina, L.M., Kikul'skaia, S.A. - Carbohydrate metabolism in potato plants as related to the conditions of mineral nutrition. p.58.

Vechar, A.S. - Transformation of substances by micro-organisms. p.65.

Koneu, S.V., Troitski, N.A., Katsibnikau, M.A. - Chemiluminescence of proteins and biological systems in the visible and ultraviolet sections of the spectrum. p.76.

Zhebrak, IE.A. - Intensity of photosynthesis in diploid and tetraploid buckwheat. p.81.

Dubina, T.L. - Age variations in the zinc content of the human blood. p.87.

Prakapchuk, A.IA., and others. - Determination of some microelements in radiation dermatitis. p.92.

IAromenka, S.A., IAromenka, V.B. - Amount of cerebrospinal fluid in rabbits. p.97.

Siliaeva, M.F. - Effect of fractional X-ray irradiation on the activity of hexokinase and aldolase in the cerebral and muscular tissues of rats. p.101.

Dolbik, M.S., Duchyts, V.N., Tarletskaia, R.IU. - Birds of northern White Russia. Report No. 2: Stringiformes, Cuculiformes, Caprimulgiformes, Coraciiformes, Upupiformes, Piciformes, Micropodiformes, Passeriformes. p.107.

Siarzhanina, H.I. - Agaricales of White Russia
longing to the family Boletaceae. p.121.

Kliavzunik, I.Z., and others. - Experimental s
carboxymethylcellulose. p.133.

Dyl'ko, N.I. - Some forms of specificity in Gra
arvalis Tartakowsky, 1913, in White Russia.
p.135.

ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII
CHIVES OF ANATOMY, HISTOLOGY, AND EM
OLOGY]. Issued by Ministerstvo zdravookhrane
SSSR [Ministry of Health of the U.S.S.R.]. Mos
vol.43, no.10, Oct. 1962.

Table of contents translated:

Zhdanov, D.A., Sapin, M.R. - Intraorgan blood
vessels of human hypophysis in the functional
aspect. p.3.

Sreseli, M.A., Bol'shakov, O.P. - Importance
cavernous sinus in the regulation of cerebral
blood circulation. p.13.

Kapustina, E.V. - Arterial blood supply of the lo
of the liver. p.19.

Anichkov, M.N., Lev, I.D. - Analysis of the col
eral circulation developing in coarctation of th
aorta in man. p.36.

Gorbasheva, T.P. - Role of newly formed and ex
ing collaterals in the restoration of blood circ
tion in some organs of the abdominal cavity.
p.55.

Bardina, R.A. - Changes in the microstructure o
walls of collateral arteries after deafferentatio
of the pelvic extremity in dogs. p.61.

Denisov-Nikol'skii, IU.I. - State of the intraorga
blood supply of the posterior extremity in rabb
under conditions of distributed blood supply. p

Ryvkind, A.V. - Histological changes in the arter
during development of collaterals. p.79.

Dolgova, M.A. - Intraorgan lymphatic vessels of
liver in disorders of the blood supply produced
cardiovascular diseases. p.84.

Liubomudrov, A.P. - Plastic properties of the bl
vessels under altered conditions of blood flow.
p.92.

Prives, M.G., Zotova, N.I. - Effect of external
internal factors on the formation of collateral p
ways of the lymph flow. p.102.

Kuprlianov, V.V. - History of the Kazan period
activity of V.N. Tonkov. p.109.

Mel'man, E.P. - B.A. Dolgo-Saburov - one of the
outstanding representatives of Soviet functional
anatomy. p.115.

Nikitiuk, B.A. - Bookshelf. p.120.

Tonkov, V.N., Gal'tsova, Z.V. - Session of the
Leningrad Society of Anatomists, Histologists a
Embryologists, dedicated to the 90th anniversa
of the birth of V.N. Tonkov. p.121.

Drozdova, A.V. - Conference of students and post
graduate students of the morphology departmen
and laboratories of Leningrad universities and
search institutes. p.122.

Lev, I.D. - Morphologists of Baltic Republics and
White Russia at a readers' conference. p.124.

Vladimir Nikolaevich Zhedenov; an obituary.
p.127.

Vol. 44, no. 4, Apr. 1963.

Table of contents translated:

To new advances in morphology. p.3.

Svetlov, P.G. - Importance of the germ layer theor
in present-day science; in memory of A.O. Kova
skii. p.7.

Pozhidaev, E.A. - Morphogenetic processes during
cleavage of the rat ovum in relation to cytoplasm
differentiation of the oocyte during the period of
oogenesis. p.20.

Koniukhov, B.V., and others. - Injury of the retin
as a cause of microphthalmia in mice of a mutar
ocular retardation line. p.36.

Skalinskii, E.I., Kondalenko, V.F. - Electron micro
scopic study of the chorioallantoic membrane in
the chick embryo. p.44.

Shalumovich, V.N. - Localization of nucleoproteins
the structures of the ovum of the frog (Rana tem
poraria). p.48.

Gabaeva, N.S. - Development of the vitelline memb
of the frog (Rana temporaria). p.55.

Zhemkova, Z.P. - Hemochorial type of placenta in
dogs. p.64.

Sirotina, O.S. - Myelinization of the cortex of the
Supratemporal surface of the human gyrus tempora
superior during postnatal ontogenesis. p.73.

Sirotina, O.S. - Myelinization of the cortex of the s
temporal surface of the human gyrus temporalis
superior during postnatal ontogenesis. p.73.

Turkevich, N.G. - Embryonic development of the va
cular plexus of the fourth cerebral ventricle and
the "spongy organ" in man. p.81.

Salilchuk, L.I. - Embryonic development of argyrophilic fibers in the human liver. p.94.

Petrova, R.M. - Development of the laryngeal cavit
in human embryogenesis. p.100.

Goncharenko, L.E. - Differentiation of the motor nu
cleus of the human trigeminal nerve. p.105.

Troitskaia, S.A. - Development of the terminal syna
ses in ontogenesis. p.110.

Polezhaev, L. V. - "Regeneration of lost organs" by L. D. Liozner. p. 116.
Kolosov, N. G. - "Neural apparatus of the tonsils normally and in pathology" by I. B. Soldatov. p. 119.
Kirpichnikova, E., Struve, M. - Grigorii Iosifovich Roskin; on his 70th birthday anniversary. p. 122.
Nikitiuk, B. A. - Bookshelf. p. 127.

Vol. 44, no. 5, May 1963.
Table of contents translated:
Shchelkunov, S. I. - Some problems of somatic cytogenesis. p. 3.
Shabadash, A. L., Enenko, S. O., Orlova, L. V. - Cytochemical examination of the glycogen of the central nervous system of frogs after gamma irradiation. p. 26.
Shestopalova, N. M., Reingol'd, V. N. - Reactive changes in the ultrastructure of the cells of intestinal epithelium in cotton rats after infection with poliomyelitis virus. p. 37.
Voitkevich, A. A. - Basic properties of the parafollicular cells of the thyroid gland. p. 52.
Zhenevskaia, R. P. - Significance of the sensory neuron for the structure and regeneration of skeletal muscle. p. 57.
Zidrashko, T. M., Golovin, D. I. - Effect of uranium nitrate on the thyroid of white rats under chronic experimental conditions. p. 63.
Kovalenko, T. M. - Restoration of myoneural connections following skeletal muscle trauma in mammals after administration of vitamin B_{12}, and the combined action of vitamin B_{12} and thyroidin. p. 68.
Milinchuk-Volynskaia, L. E. - Study of the sex chromatin of neutrophil leucocytes by the "skin windows" method. p. 75.
Lavrenko, V. V. - Experimental study of the development of cancerous epithelium in the wall of the rectum. p. 84.
Grafova, G. IA. - Reactive changes in the epidermis after thermal injury. p. 90.
Liu Tai-sin'[Liu T'ai-hsin]. - Early stages of development of the epidermis in the chick embryo. p. 106.
Petrakova, K. V. - Heterotopic ossification in the rat kidney in ischemia. p. 112.
IAkovleva, E. S. - Functional characteristics of the anatomical structure of the forearm muscles in some species of Sciuridae. p. 117.
Zivanovic, S. - Sixth Congress of the Anatomical Society of Yugoslavia. p. 128.
Nikitiuk, B. A. - Bookshelf. p. 4 of cover.

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 49, no. 2, Feb. 1964.
Table of contents translated:
Sukachev, V. N., Fedorov, A. A. - Role of modern botany in the development of communist society and the raising of the level of agriculture and medicine in the U. S. S. R. and the main tasks facing it. p. 161.
Siuskaia, E. N. - Formation of species and new forms in the genus Dactylis L. p. 177.
Bazilevich, N. I., Rodin, L. E. - Biological cycle of nitrogen and ash elements in the plant communities of tropical and subtropical zones. p. 185.
Porfir'ev, V. S. - Tentative classification of the conifer-hardwood forests of the Volga-Kama area. p. 210.
Bespalova, Z. G. - Flowering and fruiting of some wormwoods of central Kazakhstan. p. 223.
Tomilin, B. A. - Environmental factors influencing the distribution of fungi among plant communities. p. 230.
Liubarskii, E. L. - Contribution to the methods of investigating the tropisms of subterranean plagiotropic shoots. p. 240.
Hadac, Emil - From the history of the genus Ephedra L. p. 243.
Pivovarova, R. M. - Structural abnormalities in the cherry flowers in cases of delayed flowering. p. 244.
Florov, B. K. - Fungi causing the decomposition of wood of the Caucasian beach (Fagus orientalis Lipsky). p. 247.
Kaplunovskii, P. S. - Finds of the wintergreen Chimaphila umbellata (L.) Nutt. in the Crimea. p. 251.
Pimenov, M. G. - Interesting floristic finds in the northern extremity of Sakhalin. p. 253.
Kharkevich, S. S. - The Crimean desert candle (Eremurus tauricus Stev.) in the Caucasus. p. 259.
Altukhov, M. D. - New finds of Tulipa lipskyi Grossh. in the Caucasus. p. 262.
Butov, I. G. - Change in the proportion of some economically important groups of grasses in mountain meadows in response to fertilization. p. 263.
Koshman, M. M. - Tertiary flora of the Bikinskoye brown coal fields. p. 265.
Levin, G. G. - Individuality and life cycles of plants. p. 272.
Tkachenko, F. A. - Heterosis and its significance for the development of vegetable gardening. p. 280.
Golovin, P. N. - "Phytophthora infection of potatoes" by N. A. Naumova. p. 287.
Dagys, J. - Jurgis Pabreza, the pioneer of Lithuanian botany. p. 288.
Zamiatnin, B. N. - Date of the founding of "Aptekarskiy vegetable garden" on Aptekarskiy Island in St. Petersburg. p. 291.
Gitman, L. S., Karpova-Benua, E. I. - Activity of A. A. IAchevskii in the field of the development of horticulture in our country; on the occasion of the 100th anniversary of his birth. p. 294.
Kudriashov, L. V., Prozorovskii, N. A., Trankovskii, D. A. - Gugo Edgarovich Grosset; on the occasion of his 60th birthday. p. 298.
Lomagin, A. G. - International symposium on cytoecology held in Leningrad, May 31-June 1963. p. 301.
Gordeeva, T. K. - At the Third Conference of the All-Union Botanical Society. p. 304.
Urgent tasks in the field of botany in the Soviet Union; resolution of the Third Congress of the All-Union Botanical Society, October 28, 1963. p. 306.
Bondartsev, A. S., and others. - Work of the mycological section of the All-Union Botanical Society during the period November 1958-1962. p. 311.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Biological Series]. Tallinn, vol. 13, no. 1, 1964.

*ENTOMOLOGICHESKOE OBOZRENIE [ENTOMOLOGICAL REVIEW]. Issued by Vsesoiuznoe entomologicheskoe obshchestvo [All-Union Entomological Society]. Leningrad, vol. 43, no. 1, 1964.
Table of contents translated:
Development of chemistry and Soviet entomology. p. 3.
Academician Evgenii Nikanorovich Pavlovskii; on his 80th birthday. p. 5.
Chugunin, IA. V. - Economic and ecologic classification of plant pests. p. 9.
Stoliarov, M. V. - Desert locust Schistocerca gregaria Forsk.(Orthoptera, Acrididae) in Turkmenia in the summer of 1962. p. 21.
Mel'nikova, N. I. - Biological significance of air holes in the passages of the bark beetle Scolytus ratzeburgi Jans.(Coleoptera, Ipidae). p. 32.
Rasnitsyn, A. P. - Hibernation of ichneumon flies (Hymenoptera, Ichneumonidae). p. 46.
Rubtsov, I. A. - Mode and duration of migrations of the larvae of black flies (Diptera, Simuliidae). p. 52.
Lobanov, A. M. - Materials on the ecology and morphology of preimaginal phases of the synanthropic fly Ceroxys urticae L. (Diptera, Otitidae). p. 67.
Grunin, K. IA. - Biology and distribution of some species of flies of the subfamily Sarcophaginae (Diptera, Sarcophagidae) in the U. S. S. R. p. 71.
Rodendorf, B. B. - Some data on gray flesh flies (Diptera, Sarcophagidae) in southern China. p. 80.
Goryshin, N. I. - Effect of diurnal rhythms of light and temperature on the formation of diapause in lepidopterons (Lepidoptera). p. 86.
Pantiukhov, G. A. - Effect of subfreezing temperatures on different populations of the brown-tail moth Euproctis chrysorrhoea L. and the gypsy moth Lymantria dispar L. (Lepidoptera, Orgyidae). p. 94.
Issi, I. V., Maslennikova, V. A. - Effect of microsporidiosis on the diapause and survival of the ichneumon fly Spanteles glomeratus L. (Hymenoptera, Braconidae) and the cabbage butterfly Pieris brassicae L.(Lepidoptera, Pieridae). p. 112.
Tyshchenko, V. P. - Bioelectric activity of the nervous system in developing and diapausing pupae of lepidopterons (Lepidoptera). p. 118.
Bei-Bienko, G. IA. - Orthopteroid insects (Orthopteroidea) introduced into the U.S.S.R. with tropical goods. p. 131.
Asanova, R. B. - True bugs of the genus Canthophorus Muls. et Rey (Heteroptera, Cydnidae) in the fauna of the U.S.S.R. p. 138.
Shaposhnikov, G. Kh. - Plant lice (Aphidinea) injurious to cherry plum and cherry. p. 145.
Borkhsenius, N. S. - New genera and species of scale insects (Homoptera, Coccoidea, Diaspididae) from Transcaucasia, central and eastern Asia. p. 152.
Persov, M. P. - A new species of deathwatch beetle of the genus Ptilinus (Coleoptera, Anobiidae) from the Maritime Territory. p. 169.
Reikhardt, A. N., Kryzhanovskii, O. L. - Histerid beetles (Coleoptera) from southeastern China. p. 170.
Bogachev, A. V. - Intraspecific forms of Adesmia fischeri Fald. 1837.(Coleoptera, Tenebrionidae.) p. 175.
Medvedev, L. N. - A new species of leaf beetles from the genus Phytodecta (Coleoptera, Chrysomelidae) from the Far East. p. 180.
Viktorov, G. A. - Palaearctic Ichneumon flies of the genus Thibetoides Davis (Hymenoptera, Ichneumonidae). p. 182.
Belizin, V. I. - Parasitic gallflies of the tribe Kleidotomini (Hymenoptera, Cynipoidea, Eucoilidae) in the fauna of the U.S.S.R. p. 185.
Maslov, A. V. - Taxonomy of bloodsucking mosquitoes of the group Culiseta (Diptera, Culicidae). p. 193.
Mirzaeva, A. G. - Fauna of biting midges (Diptera, Heleidae) from Western Siberia. p. 210.
Shuvalov, V. S. - Methods of the preparation of minute objects; modification of the Harding laboratory microdissector. p. 224.
Bei-Bienko, G. IA. - Fifth Conference of the All-Union Entomological Society in Tashkent. p. 230.
Rodendorf, B. B. - "Acta entomologica Musei Nationalis Pragae". p. 233.
Dantsig, E. M. - "Aleyrodina" by J. Zahradnik. p. 235.
Slepian, E. I. - "Cecidotheca Indica" by M. S. Mani. p. 235.
Tobias, V. - "Revisional study of the masarid wasps (Hymenoptera, Vespoidea)" by O. W. Richards. p. 237.
Kurentsov, A. I. - "A monograph on East Asiatic forms of the genus Melanargia (Lepidoptera, Satyridae)" by Sigbert Wagener. p. 238.

LATVIJAS ENTOMOLOGS [LATVIAN ENTOMOLOGIST]. Issued by Vissavienibas entomologijas biedribas Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 7, 1963. [In Latvian and Russian]

MATERIALY K POZNANIIU FAUNY I FLORY SSSR. Otdel zoologicheskii [CONTRIBUTIONS TO THE KNOWLEDGE OF THE FAUNA AND FLORA OF THE U.S.S.R. Zoological Section]. Issued by Moskovskoe obshchestvo ispytatelei prirody [Moscow Naturalists' Society]. Moscow, no. 39(54), 1964. Ektoparazity; fauna, biologiia prakticheskoe znachenie [Ectoparasites; fauna, biology and practical significance], no. 4.
Table of contents translated:
Formozov, A. N. - V. N. Beklemishev; an obituary. p. 7.
List of Vladimir Nikolaevich Beklemishev's works. p. 15.
Ioff, I. G., Tiflov, V. E., Fedina, O. A. - List of flea species (Suctoria) in Stavropol Territory. p. 24.
Darskaia, N. F. - Comparative ecology of bird fleas of the genus Ceratophyllus curt., 1832. p. 31.
Tiflov, V. E. - Fate of bacterial cultures in the organism of fleas. p. 181.
Tiflov, V. E., Gubina, N. E. - New flea conserving liquid for plague tests; preliminary report. p. 199.
Kulakova, Z. G. - Feeding habits of Xenopsylla gebrilli caspica Ioff and some other fleas. p. 205.
Nel'zina, E. N., Danilova, G. M. - Materials on the biology of mites of the family Haemogamasidae (Gamasoidea, Parasitiformes). Report No. 2: External morphology and biology of the postembryonic phases in the development of Haemogamasus citelli Breg. et Nelz. and Haemogamasus nidi Mich. p. 221.
Reitblat, A. G. - Fauna of gamasid mites (Gamasoidea, Parasitiformes) in Stavropol Territory. p. 244.
Zamskii, S. I. - Feeding habits of gamasid mites Eulaelaps stabularis (C. L. Koch) and Haemolaelaps glasgowi (Ew.) inhabiting the burrows of murine rodents. p. 259.
Vasil'eva, I. S. - Localizing Ixodid ticks on the body of small mammals. p. 284.
Butenko, O. M. - Seasonal change in the age composition of the populations of bird mites Dermanyssus hirundinis Herm. (Dermanyssidae, Gamasoidea). p. 294.

* MIKROBIOLOGIIA [MICROBIOLOGY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 32, no. 4, July-Aug. 1963.
Table of contents translated:
Tikhomirova, A. S., Kulikova, A. K. - Inhibition of induced amylase synthesis in Aspergillus oryzae by glucose. p. 577.
Mohamed Sameh Taha. - Effect of the concentration of different components of the medium on the growth and nitrogen fixation of blue-green algae. p. 582.
Mil'ko, E. S. - Effect of illumination and temperature on pigment formation in Dunaliella salina. p. 590.
Shaposhnikov, V. N., Konova, I. V., Borisova, A. I. - Vitamin B12 synthesis by Actinomyces olivaceus in a synthetic medium in the presence of 5, 6-dimethyl benzimidazole. p. 598.
Nefelova, M. V., Kol'man, A. E. - Comparative study of amino acids formed by the aurantin producer. p. 603.
Veselov, I. IA., Kann, A. G., Gracheva, I. M. - Formation of aldehydes and higher alcohols by the yeasts Saccharomyces vini, Sacch. carlsbergensis and Sacch. cerevisiae in the presence of sulfites in the fermentated medium. p. 610.

Imshenetskii, A.A., Solntseva, L.I., Kuranova, N.F. - Effect of external factors on the mutants of Aspergillus niger. p.616.

Kudrina, E.S., Maksimova, T.S. - Some species of thermophilic actinomycetes from the soils of China and their antibiotic characteristics. p.623.

Negrutskii, S.F. - Use of antibiotic-producing fungi for controlling the fungus Fomitopsis annosa (Fr) Karst. p.632.

Gnatenko, M.P., Sizova, N.A. - Species characteristics and antibiotic properties of streptococci isolated from watermelons. p.636.

Rautenshtein, IA.I., Retinskaia, V.I. - Comparative study of the effect of specific actinophages of different virulence on Actinomyces erythreus. p.642.

Daulbaev, E.A. - Methods for isolating actinophages from the soil. p.650.

Tepper, E.Z. - Bacteria of the autochthonous soil microflora decomposing humus substances. p.655.

Aristovskaia, T.V. - Natural forms of the existence of soil bacteria. p.663.

Romanenko, V.I. - Potential capacity of water microflora for heterotrophic carbon dioxide assimilation and chemosynthesis. p.668.

Rodina, A.G. - Sulfur bacteria of the detritus of the Ladoga region lakes. p.675.

Kuznetsova, V.A., Li, A.D., Tiforova, N.N. - Determination of the sources of contamination with sulfate-reducing bacteria of oil bearing layers D$_I$ of the Romashkino fields. p.683.

Rozenberg, L.A. - Role of bacteria in the process of electrochemical steel corrosion in seawater. p.689.

Smirnov, V.V. - Role of the microbiological factor in the increase of the corrosive aggresiveness of mine waters of the Kizel coal basin. p.695.

Liubimov, V.I., and others. - Decomposition of volatile organic acids by micro-organisms of "active sludge." p.700.

Allan, A., and others. - Submerged cultivation of acetic acid bacteria under different aeration conditions. p.703.

Zhdan-Pushkina, S.M., Kreneva, R.A. - Sorbite oxidation during intensive and delayed reproduction of Acetobacter suboxydans. p.711.

Levitov, M.M., Meshkov, A.N. - Meomycin biosynthesis in media with glucose and starch. p.717.

Tikhonenko, T.I. Koudelka, IA., Borishpolots, Z.I. - Concentration and purification of phages by the method of column chromatography. p.723.

Chernov, V.N., Drevush, V.P., Van'shev, I.F. - Systems of automatic temperature regulation. p.727.

Zviagintsev, D.G. - Use of quenchera for the study of soil micro-organisms with the help of fluorescence microscopy. p.732.

Saturm, L.D. - "Bacteria of the formation waters, petroleum and rocks of oil fields of the U.S.S.R." by T.L.Simakova, Z.A.Kolesnik. p.737.

Eroshin, V.K. - Session of the Scientific Coordination Council. p.739.

Lozinov, A.B. - Second Congress of the All-Union Microbiological Society. p.740.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Biulleten' [MAIN BOTANICAL GARDEN. Bulletin]. No.53, 1964.

Table of contents translated:

Petrova, I.P. - Phenological groups of Central Asian trees and shrubs in Moscow. p.3.

Derii, I.G. - Introduction of Securinega suffruticosa (Pall.) Rehd. in the Ukraine. p.10.

Denchik, V.F. - Collection of maples in the Kiev Arboretum. p.17.

Fedotov, V.S. - Remote hybridization in the vetch tribe of the Leguminosae family. p.23.

Luneva, M.Z. - Hybrids of the flowering tobacco Nicotiana alata with tree tobacco. p.27.

Pedash, F.I. - Use of some wild grasses in landscape gardening. p.33.

Rusanov, F.N. - Cultivation of wild ornamental plants. p.37.

Astvatsatrian, G.IA., Khrimlian, A.I. - Raising mesembryanthemums in the Erivan Botanical Garden. p.39.

Kostevich, Z.K. - Propagation of some exotic conifers by cuttings. p.44.

Belynskaia, E.V. - Delaying the fading of cut tulips. p.47.

Dobrovol'skii, I.A. - Use of new growth stimulants in floriculture. p.52.

Kurchenko, E.I. - Biology of flowering and seed reproduction of the foxtail Alopecurus vaginatus Pall. p.56.

Makarov, V.V. - Some characteristics of the biology of mint flowering. p.61.

Pavil'onov, A.A. - Effect of potassium on the position of the light compensation point in plants. p.66.

Griner, B.M., and others. - Color of leaves as an index of the content of tanning substances in plants. p.72.

Rotov, R.A. - A new species of Calligonum from Repetek. p.76.

Komizerko, E.I. - Chemical composition of Onobrychis sibirica Turcz. and multicolored vetch (Vicia picta Fisch. et Mey.). p.77.

Zamiatnin, B.N. - Case of hidden sexual dimorphism in a young katsura tree. p.81.

Kurgacheva, A.M. - Principles of the strawberry exposition arrangement in the Main Botanical Garden. p.82.

Nekrasov, A.A. - Propagation of giant reed by stem cuttings. p.87.

Trofimov, T.T. - Ginseng raised in a room. p.90.

Sokolov, V.S., Medvedev, P.F. - New silage plants and the prospects of their introduction into agricultural practice. p.95.

Decision of the Presidium of the Academy of Sciences of the U.S.S.R. of November 1, 1963. p.100.

MOSCOW. UNIVERSITET. Vestnik. Seriia 6: Biologiia, pochvovedenie [UNIVERSITY. Review. Series 6: Biology, Soil Science]. Vol.17, no.6, Nov.-Dec., 1962.

Table of contents translated:

Nikol'skii, G.V. - Some goals of biological fishery research in the White Sea. p.3.

Popov, V.V., Pavlova, T.A. - Effect of ultrasonic waves on the ability of the skin to transform into the cornea. p.10.

Shcherbina, M.A., Sorvachev, K.F., Sukhoverkhov, F.M. - Evaluation of feeds for fishes by their amino acid composition. p.20.

Chzhu Khai-tsin [Chu Hai-ch'ing]. - Ontogenesis and biology of Apanteles solitarius Ratz., a parasite of the gypsy moth (Porthetria dispar L.). p.26.

Kokin, K.A. - Effect of submerged aquatic vegetation on the hydrochemical regime and self-purification processes of the Moscow River. p.33.

Isaev, S.I., and others. - Some physiological and biochemical characteristics of the genetically related varieties of apple with various frost resistance. p.40.

Liu Siao-i [Liu Hsiao-i]. - Ground water regime of the Rybinsk Reservoir coastal territory. p.48.

Urusevskaia, I.S. - Gray forest soils of the Sukhinichi-Meshchovsk region of the central Russian province. p.55.

Anniversary of Professor V.A.IAshnov. p.65.

Anniversary of Professor N.P.Naumov. p.69.

Index of articles and materials published in the periodical "Vestnik Moskovskogo universiteta; seriia biologii, pochvovedeniia" for 1962. p.75.

ORNITOLOGIIA [ORNITHOLOGY]. Issued by Glavnoe upravlenie okhotnich'ego khoziaistva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, no.6, 1963.

Table of contents translated:

Larionov, V.F. - Five years of the publication "Ornitologiia." p.3.

Chel'tsov-Bebutov, A.M - Seasons for sports hunting of wild fowl in the U.S.S.R. p.10.

Kartashev, N.N. - Quantitative characteristics of the avifauna on the Solovetskiy Islands. p.23.

Krechmar, A.V. - Seasonal phenomena in the life of birds in the region of Noril'sk lakes. p.37.

Vorob'ev, K.A. - Zoogeographical characteristics of the ornithofauna of Yakutia. p.49.

Uspenskii, S.M., Beme, R.L., Velizhanin, A.G. - Avifauna of Wrangel Island. p.58.

Ivanter, E.V. - Black grouse in Karelia. p.68.

Chervonyi, V.V. - Census of pinewood wild fowl in the Sosnovskoye Forest Hunting Ground (Leningrad Province). p.81.

Sergeeva, N.A., Sumina, E.B. - Acclimatization of bearded partriges and reacclimatization of white partridges in the central zone. p.86.

Romanov, IU.M. - Distribution of woodcock in Moscow Province and some features of its spring ecology. p.96.

Inozemtsev, A.A. - Feeding habits of nestlings of the hedge sparrow and grasshopper warbler (Locustella fluviatilis Wolf.) in the Moscow region. p.101.

Kadochnikov, N.P. - Biology of the reproduction of the scops owl in Voronezh Province. p.104.

Bulakhov, V.L. - Ecology of the black kite in the Dnieper Valley. p.111.

Kuznetsov, V.I., Korenberg, E.I. - Biology of grouse, hazel grouse and capercaillie in the southern part of Kirov Province. p.117.

Shilova, S.A., and others. - Epizootiological importance of birds in foci of tick-borne encephalitis in the Central Urals. p.126.

Vorob'ev, V.N., Ravkin, IU.S., Dobrokhotov, B.P. - New data on the ornithofauna of the northeastern Altai. p.140.

Naumov, R.L., Kislenko, G.S. - Warblers Phylloscopus schwarzi Radde and Ph. fuscatus Blyth. in central Siberia. p.146.

Berman, D.I., Zabelin, V.I. - New materials on the ornithofauna of Tuva. p.153.

Ustinov, S.K. - Periodic migrations of w
the Baikal Lake region. p.161.

Leont'ev, A.N., Pavlov, E.I. - Ornitholo
servations in the Chikoy Valley (Chita
p.165.

Barancheev, L.M. - Biology of the repro
bunting Emberiza aureola ornata Schulp
Province. p.173.

Nechaev, V.A. - New data on birds in the
Valley. p.177.

Kuziakin, A.P., Vtorov, P.P. - [illegible]
geography of the Okhotsk taiga. p.184.

Poslavskii, A.N. - Analysis of the bird po
the Ural-Emba interfluve in relation to
gression of the Caspian Sea. p.195.

Zlotin, R.I. - Winter population of birds i
van Steppe. p.204.

Varshavskii, S.N. - Characteristics of fe
of the black kite in the Aktyubinsk st

Drozdov, N.N. - Distribution and structure
roadside population of birds in semidese

Vinogradov, V.V. - Reproduction of the c
vulture on Bozdag Hill. p.223.

Beme, R.L. - Ornithogeographical zoning
mountains of the Palaearctic. p.227.

Baziev, Zh.Kh., Chunikhin, S.P. - Ecolog
redstart Phoenicurus er. erythrogaster
the Kabardino-Balkar A.S.S.R. p.235.

Adamian, M.S. - Lark Melanocorypha bima
Men. in Armenia. p.238.

Drozdov, N.N. - Winter population of birds
pine forest zone of northern Azerbaijan.

Zlotin, R.I., Puzachenko, IU.G. - Bird pop
of syrts in the central and inner part of t
Shan. p.253.

Abdusaliamov, I.A. - Materials on the ecolo
the redstart Chaimarrornis leucocephalus
the Pamirs. p.264.

Berman, D.I., Kotonin, G.V. - Nesting of t
layan finch Leucosticte nemoricola Hodgs.
p.268.

Blum, P.N. - Coots in Latvia. p.272.

Mikkelson, Kh.A., and others. - Study of the
tion dynamics of some ducks in Latvia by c
tinuous ringing of hatching females and du
p.280.

Ardamatskaia, T.B. - Red-breasted mergans
northwestern Black Sea region. p.293.

Vinogradov, V.V. - Nesting of white-tailed pl
Transcaucasia. p.303.

Vorontsov, E.M., Khokhlova, N.A. - Develo
of the bird population of Gorkiy Reservoir

Skriabin, N.G. - Expansion of the range of bl
Anas poecilorhyncha zonorhyncha in the Ba
lake region. p.311.

Kuziakin, A.P. - Biology of the marbled murr
p.316.

Vtorov, P.P. - Fall migration of birds over t
Okhotsk Coast. p.321.

Shuntov, V.P. - Summer distribution of kittiw
the Bering Sea. p.326.

Klimik, E.B. - Attracting birds for nesting in
forests of Moscow Province. p.331.

Donika, I.S., Ganta, I.M., IAkul'ants, V.R. -
Frightening injurious birds from the orchar
vineyards of Moldavia. p.337.

Drozdov, N.N. - Comparison of summer and
populations of birds in cultivated areas of Z
p.341.

Viksne, J.A. - Wintering of white birds in so
bodies of water of Latvia. p.345.

Dobrokhotov, B.P. - Present conditions of bird
wintering in the Kyzyl-Agach Preserve. p.3

Kovshar', A.F. - Fall migration of birds in the A
Dzhabagly Preserve. p.360.

Vtorov, P.P. - Wintering birds in some areas
Issykkul' Depression. p.364.

Nazarenko, A.A. - Winter ornithofauna in the s
western Maritime Territory. p.368.

Markov, V.I. - Wintering of water birds in Ka
p.376.

Korenberg, E.I., Kuznetsov, V.I. - Evaluation
abundance of grouses by recording their occu
p.387.

Lojins, G.T. - Technique of banding one-day-old
ducklings. p.394.

Dement'ev, G.P., Il'ichev, V.D. - Voice of bird
and some problems of its study. p.401.

Krushin'skii, L.V., Molodkina, L.N., Popova,
N.P. - Interrelation between extrapolation and
conditioned reflexes in birds. p.408.

Panov, E.N. - Territorial relations of sandpipers
in flight. p.418.

Inozemtsev, A.A. - Selectivity of food for birds a
some causes for its changeability. p.421.

Shilov, I.A., Nikolaeva, M.B. - Thermoregulatio
in the postnatal development of small birds. p.

Borodulina, T.L. - Morphologic adaptation of bird
to the aquatic way of life. p.456.

Anikin, V.I. - Nesting of brambling in the souther
Gorkiy Province. p.463.

Bolopol'skii, L.O. - Migration of siskins over the
Kurskaya Spit. p.463.

Dol'skaia, G.S. - Feeding habits of young desert
ravens. p.464.

[illegible], L.M. - Separate observations on birds in southern Sakhalin. p. 465.

Bianki, V.V. - Migrations of long-tailed titmice in the northwestern U.S.S.R. p. 466.

Vinogradov, V.A. - Wintering of game and commercial birds on the [illegible] lakes of Azerbaijan. p. 466.

Gavrilenko, N.I. - [illegible] p. 468.

Gizenko, A.I. - Nesting of eastern glossy ibises in the Dnieper Valley. p. 469.

Gordeev, Iu.I. - Some data on birds of the [illegible] Valley ([illegible] Province). p. 469.

Zverev, M.D. - Observations on the fall migration of birds in southeastern Kazakhstan. p. 470.

[illegible] - [illegible] Lake region. p. 471.

[illegible] - Ornithofauna of the upper Amur Valley. p. 472.

Kostin, Iu.V. - [illegible] of goshawk nesting range in the steppes of the Crimea. p. 473.

[illegible] - Nesting of [illegible] in the lower Volga Valley. p. 473.

[illegible] - Expansion of chaffinch nesting range in the lower Volga Valley. p. 474.

[illegible] - [illegible] p. 474.

[illegible] - First [illegible] in the southern Maritime Territory. p. 474.

[illegible] - [illegible] in Eastern Siberia. p. 474.

[illegible] - [illegible] White Sea. p. 475.

[illegible] - [illegible] Lake Manych [illegible] p. 475.

[illegible] - [illegible] p. 476.

Mustafaev, G.T. - [illegible] p. 476.

[illegible] - [illegible] p. 477.

[illegible] - [illegible] p. 477.

Nazarova, I.V. - Ecologic and morphological characteristics [illegible] p. 478.

[illegible] - White wagtail [illegible] p. 479.

[illegible] - New birds of the Alexandra Land. p. 480.

Ptushenko, E.S. - [illegible] p. 481.

[illegible] - [illegible] p. 481.

[illegible] - Feeding [illegible] in Arkhangel Province. p. 482.

[illegible] - Occurrence of the [illegible] p. 482.

[illegible] - [illegible] p. 482.

[illegible] - [illegible] p. 483.

[illegible] - [illegible] birds. p. 483.

[illegible] - Wintering of the [illegible] p. 483.

[illegible] - [illegible] (Georgia). p. 484.

[illegible] - [illegible] Ridge. p. 484.

[illegible] - [illegible] in the Mongolian People's Republic. p. 485.

[illegible] - [illegible] observations in the vicinity of [illegible] p. 485.

[illegible] - Observations on [illegible] Territory. p. 486.

IAkhontov, V.D. - Occurrence of [illegible] and purple herons in the Far East. p. 486.

Dement'ev, G.P. - Third All-Union Ornithological Conference. p. 491.

Ivanov, A.I., [illegible] - [illegible] on his 70th birthday. p. 493.

Dement'ev, G.P. - Thirteenth and Fourteenth International Ornithological Congresses. p. 495.

Larionov, V.F., Gusev, O.K. - "Papers of the Oka (Central) Ornithological Station." p. 499.

Flint, V.E. - "Birds of Kazakhstan." p. 500.

[illegible] - "Russian-English bird glossary" by J. [illegible] p. 501.

PROBLEMY KOSMICHESKOI BIOLOGII [PROBLEMS OF COSMIC BIOLOGY]. Issued by Otdelenie biologicheskikh nauk Akademii nauk SSSR [Department of Biological Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, 1964.

Table of contents translated:

Introduction. p. 3.

IAzdovskii, V.I. - Basic scientific trends of cosmic biology in conquering space. p. 5.

Volynkin, Iu.M., Saksonov, P.P. - Physical conditions of space flights and their biological characteristics. p. 10.

Gazenko, O.G., Chernigovskii, V.N., IAzdovskii, V.I. - Biological and physiological studies during flights on board of rockets and artificial earth satellites. p. 23.

IAzdovskii, V.I., Kas'ian, I.I., Kopanev, V.I. - Basic problems in studying weightlessness. p. 37.

Genin, A.M. - Some principles of creating the artificial environment of living in the cabins of spaceships. p. 59.

Denisov, V.G., [illegible], A.P., IAzdovskii, V.I. - Basic problems of engineering psychology in space flights. p. 66.

IAzdovskii, V.I., [illegible], M.D. - Problems of the physiological interaction of analyzers in space flights. p. 80.

Gol'dshvend, B.L., and others. - Problem of gas regeneration in prolonged space flights. p. 89.

SinIak, IU.E., Chizhov, S.V. - Water regeneration in a spaceship cabin. p. 104.

Antipov, V.V., Delone, N.N., Saksonov, P.P. - Basic trends in studying the biological action of cosmic radiation and in developing means for radiation protection. p. 113.

[illegible], V.V. - Objects and space surrounding the spaceship cabin. p. 125.

Akulinichev, I.T., and others. - Methods and means of medical and biological studies in a space flight. p. 130.

Fedorova, T.A., and others. - Some indices of metabolism in astronauts. p. 145.

Kitaev-Smyk, L.A. - Human reactions to weightlessness. p. 152.

Iuganov, E.M., Gorshkov, A.I. - Excitability of the vestibular analyzer in man under the conditions of short-term weightlessness. p. 167.

Iuganov, E.M., Afanas'ev, D.V. - Vestibular analyzer in animals and artificial gravity. p. 176.

Zhukov-Verezhnikov, N.N., and others. - Microbiological and cytological studies in conquering space. p. 184.

Gol'dshvend, B.L., and others. - Development of a physicochemical chain of utilization for a prolonged space flight. p. 193.

Lebedeva, E.V. - Characteristics of some artificial substrates for use in a closed ecologic system. p. 198.

Korotaev, M.M., and others. - Toxic gaseous substances produced by Chlorella. p. 204.

[illegible], G.M., Kondrat'eva, I.I., [illegible], I.T. - Gaseous products liberated by man in a hermetic cabin. p. 210.

[illegible], N.N., [illegible], G.G., Ugarov, V.S. - Problem of artificial hibernation in space biology. p. 217.

[illegible], L.I., [illegible], IU.N. - Study of the performance ability of an astronaut in an experiment with reference to space flight problems. p. 226.

[illegible], V.I. - Study of the speed of a response motor reaction of man in isolation by the polyeffector method. p. 232.

[illegible], A.P., [illegible], V.P., [illegible], M.M. - Preservation of the skill to transmit information under the conditions of prolonged isolation. p. 243.

[illegible], G.V., Kopanev, V.I. - Effect of statokinetic stimuli on some functions of the organism. p. 253.

Apanasenko, Z.I., Kuznetsova, M.A. - Complex action of vibration and ionizing radiation on vestibular and motor-defensive reflexes. p. 262.

Lebedinskii, A.V., and others. - Vegetative responses to the stimulation of the vestibular analyzer and their possible role in complicating the conditions of a space flight. p. 274.

Mirolubov, G.P. - Effect of landing overloads on animals submerged in water. p. 286.

[illegible], V.D., [illegible], IU.N., [illegible], E.F. - Effect of single overloads on the structure of internal organs in experimental animals. p. 297.

[illegible], A.N., [illegible], P.M. - Study of the bioelectric activity of some regions of the brain under overload. p. 308.

[illegible], V.E., Vasil'ev, P.V., [illegible], B.P. - Effect of prolonged transverse overloads on the functional state of the central nervous system in animals. p. 318.

[illegible], V.A., Chistovich, L.A. - Importance of physiological studies on the speech process for the purpose of developing systems of automatic speech identification. p. 324.

[illegible], S.V., and others. - Characteristics of the algal suspension as an optical system. p. 335.

[illegible], A.A., [illegible], A.V. - Effect of ionizing radiation on the change in the sensitivity and reactivity of the vestibular analyzer. p. 355.

[illegible], IU.E., and others. - Responses of the vascular system of the cranial cavity in the case of equivalent longitudinal gravitation loads ±g. p. 360.

Baevskii, R.M., and others. - Application of m matical methods to space medicine. p. 370.

Egorov, A.D., Chekhonadskii, N.A. - Some pr lems of the application of the theory of rando functions to space biology and medicine. p. 3

[illegible], B.G., and others. - Methods of manufacturing oxygen by water electrolysis u the conditions of weightlessness. p. 390.

SinIak, IU.E. - Possibility of physicochemical synthesis of carbohydrates in a spaceship cab p. 401.

Meleshko, G.I. - Increase of the photosynthetic productivity of Chlorella cultures in units use the biological regeneration of air. p. 410.

Ivanov, E.A., Aleksandrova, I.V. - Analysis of methods for measuring the intensity of photos thesis of Chlorella. p. 415.

Galkina, T.B. - Repeated use of nutrient media the cultivation of Chlorella pyrenoidosa. p. 4

[illegible], I.V. - Mathematical analysis of the process of mass cultivation of Chlorella in bi logical cultivation units of an asymmetric pr p. 433.

Ivanov, E.A., Aleksandrova, I.V. - Automatic c trol of the regime of algae cultivation. p. 44

[illegible], N.N., [illegible], V.M. - Burning of wast the vital activity of organisms. p. 460.

Gitel'zon, I.I., and others. - Automatic cultivat of unicellular organisms for use in a closed b logical system. p. 472.

Chuchkin, V.G., Rozhdestvenskii, V.I. - Autom device for studying the relationship between t photosynthesis of higher plants and mineral nutrition. p. 477.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KI MIIA (Otdel'nyi vypusk 300) [JOURNAL OF AB STRACTS: BIOCHEMISTRY (Separate issue 300) Issued by Institut nauchnoi informatsii Akademi SSSR [Institute of Scientific Information of the A emy of Sciences of the U.S.S.R.]. Moscow, no. June 1963.

REFERATIVNYI ZHURNAL: BIOLOGIIA (JOURNAL ABSTRACTS: BIOLOGY). Issued by Institut nauchn informatsii Akademii nauk SSSR [Institute of S tific Information of the Academy of Sciences of U.S.S.R.]. Moscow, no. 12, June 1964. Avtorsk ukazatel' za 1963 god [Author index for 1963].

ROSTOV-ON-DON. AZOVSKII NAUCHNO-ISSLEDOVA TEL'SKII INSTITUT RYBNOGO KHOZIAISTVA. Trudy [AZOV SCIENTIFIC RESEARCH INSTITUT OF FISHERIES. Transactions]. Vol. 1, no. 1, Izmeneniia rezhima, kormovoi bazy i zapasov ry Azovskogo basseina v sviazi s zaregulirovaniem rek [Changes in the regimen, food supply and st of fishes of the Azov Basin in connection with th streamflow regulation].

Table of contents translated:

Karpevich, A.F. - Effect of the changing flow and the regime of the Sea of Azov on its comm fishes and their food supply. p. 3.

Spichak, M.K. - Hydrological regime of the Sea Azov in 1951-1957 and its effect on some and biological processes. p. 115.

Novozhilova, A.N. - State of zooplankton in the of Azov in 1957. p. 143.

Stark, I.N. - Annual and seasonal dynamics of tion in the Sea of Azov. p. 167.

[illegible], M.N. - Zooplankton of the lower Don R Bagaevskaia and the eastern part of the Gulf of Taganrog during the years following strea regulation. p. 231.

Boiko, E.G., Naumova, V.I. - Conditions for reproduction of sturgeons in the Don River a the regulation of its flow. p. 259.

Boiko, E.G. - Reproduction of the stock of pik and bream after the regulation of the flow of Don River. p. 287.

Kostiuchenko, V.A. - Feeding habits of the gob the utilization of the food supply of the Sea o by it. p. 341.

Kornilova, V.P. - Feeding habits of anchovies herring under conditions of the new regime Sea of Azov. p. 361.

Maiskii, V.N. - Stock of gobies, anchovies and in the Sea of Azov in 1931-1950. p. 381.

Troitskii, S.K., Kharin, N.N. - Classification Kuban limans from the point of view of biolog commercial fishing. p. 413.

Moskal'kova, A.I. - Some characteristics of th growth and reproduction of the goby Knipowitschia longicaudata in the Gulf of Taganrog. p. 441.

Iozan, V.A. - Selectivity of mechanized dragne gobies. p. 447.

*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS I CONTEMPORARY BIOLOGY]. Issued by Akade nauk SSSR [Academy of Sciences of the U.S.S.R Moscow, vol. 57, no. 3, May-June 1964.

Table of contents translated:

[illegible], N.M. - Current objectives of Soviet b chemistry. p. 337.

[illegible], K. A. - Cholesterol synthesis in an animal organism and its control. p. 350.
[illegible], J., Changeux, J.P., Jacob, F. - Allosteric proteins and cellular control systems. p. 370.
[illegible], V.D. - Effect of ionizing radiation on the protein synthesis. p. 394.
[illegible], G.F. - Localization and interrelationship of centers controlling the cardiovascular system. p. 4[illegible]
[illegible], I.S. - Utilization of anesthetic properties of steroids in medicine. p. 422.
[illegible], S.P. - Role of the mediators of nervous stimulation in controlling the motor activity of parasitic and free-living worms. p. 446.
Kirillova, T.V. - Excretion of water-soluble substances by plant tissues. p. 463.
[illegible], G.S. - Comparative physiological activity of [illegible] cellins and the relation of the activity to the molecular structure. p. 477.
Alpatov, V.V. - "Time, cells, and aging" by Bernard L. Strehler. p. 493.

UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK BIOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 6, 1963.

Table of contents translated:
Development of biological science in Uzbekistan during the last 20 years. p. 5.
Zakirkov, T.Z., Sultanov, M.A. - Academician K.I. Skriabin, founder of the Soviet school of helminthologists. p. 8.
Salykov, V.M. - Alveolar echinococcosis in Uzbekistan. p. 13.
Muminov, P., Allaiarov, A.M. - Helminths of wild cats of Uzbekistan and their relation to the ecology of host animals. p. 17.
Adysheva, M.M. - Materials on the helminths of rodents in the Parkent Preserve. p. 25.
Shakhmatova, E.A., Tukhmaniants, A.A. - Spreading of gongylonemiasis among the cattle of the Uzbek S.S.R. p. 29.
Sultanov, M.A., Sarymsakov, F.S., Adysheva, M.M. - Helminths of domestic waterfowl of the Kara-Kalpak A.S.S.R. and the seasonal dynamics of basic helminthiases. p. 32.
Irgashev, I.Kh. - Helminths of sheep in Uzbekistan. p. 36.
Sarymsakov, F.S. - Testing calcium arsenate and copper carbonate in hymenolepiases of ducks. p. 40.
Muminov, P. - Materials on helminths of wild carnivorous animals of Uzbekistan. p. 44.
Kegai, E.S., Shcherban', Z.P. - Bloodsucking mosquitoes and their distribution in the changing landscape of Tashkent Province. p. 50.
Sultanov, M.B., Nigmatov, N.N., Egorova, T.A. - Effect of viscanine and strychnine on tissue respiration. p. 54.
Dats, I.S. - Some notes on the organization of research work concerning mulberry plantations. p. 58.
IArovenko, G.I., Umarov, A.A. - Effect of the size of fractions of urea-formaldehyde fertilizers on the biochemical capacity of soils for nitrate accumulation and the yield of cotton. p. 62.
IUldashev, S.Kh., Akchurina, N.A. - Role of carbohydrates in the lodging of cotton plants. p. 67.
Rakhimov, A.A., Rybina, V.K. - Effect of some herbicides on the soil microflora. p. 74.
Mirakhmedov, A.K. - Histochemical research data on polysaccharides in the testis of irradiated rats. p. 77.
Abidov, A.A. - Genetic recombinations in intestinal bacteria. Report No. 6. p. 80.
Pulatov, R.P., Kamilov, I.K. - Pharmacology of complex compounds of cobalt salts with some vitamins. p. 84.
Shapolatov, Zh. - Rare case of ascariasis in the swine liver. p. 87.
Sonun Mambetalieva; an obituary. p. 88.

VOPROSY RADIOBIOLOGII; sbornik trudov [PROBLEMS OF RADIOBIOLOGY]. Issued by Sektor radiobiologii Akademii nauk Armianskoi SSR [Sector of Radiobiology of the Academy of Sciences of the Armenian S.S.R.]. Erivan, vol. 3/4, 1963.

Table of contents translated:
Papoian, S.A. - Some problems of damaging action of ionizing radiation. p. 5.
Akopian, S.A., Manukian, M.A. - Course of experimental (alloxan) diabetes in irradiated animals. p. 11.
Alaverdian, M.I., Movsesian, M.A., Marukian, T.Kh. - Combined effect of irradiation and blood loss on the phagocytic activity of leucocytes in rabbits. p. 17.
Movsesian, M.A. - Treatment of radiation sickness complicated by loss of blood. p. 27.
Arutiunian, R.K. - Effect of direct current on the lability of brain structures of rabbits after a radiation injury. p. 37.
Alaverdian, M.I., and others. - Effect of decortication and X rays on the phagocytic activity of leucocytes in rabbits. p. 47.
Kamalian, L.A., Varteranian, Zh.TS. - Effectiveness of the prophylactic activity of the specific gamma globulin in the vaccine keratitis of irradiated and nonirradiated rabbits. p. 53.
Kamalian, L.A., Varteranian, Zh.TS., Shakhnazarian, E.L. - Study of the properties of vaccine virus in X-ray irradiated and nonirradiated tissue culture. p. 59.
Kamalian, L.A., Ter-Pogosian, R.A. - Study of the X-ray irradiated and infected by the vaccine virus tissue culture by the method of fluorescence microscopy. p. 65.
Ter-Pogosian, R.A., Ter-Avetisian, A.T. - Study of the reproduction of the phage T_1 in X-ray irradiated cells of Eschericia coli B. p. 71.
Kamalian, L.A., Ter-Pogosian, R.A., Varteranian, Zh.TS. - Comparative study of the reproduction of vaccine virus in X-ray irradiated and nonirradiated tissue culture. p. 77.
Stepanian, E.D. - Effect of ionizing radiation on the immunological reactivity of the reticuloendothelial system. p. 83.
Stepanian, E.D. - Effect of the radiation dosage on functions of absorption and antibody formation of the reticuloendothelial system. p. 95.
Stepanian, E.D. - Significance of the exposure area in determining the effect of ionizing radiation on the functions of absorption and antibody formation of the reticuloendothelial system. p. 101.
Akopian, S.A., Grigorian, S.S. - Effectiveness of lobeline injected by different methods into irradiated animals. p. 111.
Fedorova, A.V., Mirzoian, A.A. - Effect of the chronic injection of strontium-90 on the sugar content of blood and glycogen in liver. p. 121.
Fedorova, A.V., Mirzoian, A.A. - Effect of X-ray irradiation on the histamine content and histaminase activity of the blood and some tissues. p. 127.
Mirzoian, A.A. - Change in the calcium content and alkaline phosphatase activity of blood serum under the influence of the chronic action of strontium-90. p. 133.
Pogosian, M.O. - Electrophoretic study of the protein composition of blood serum of immunized rabbits. p. 141.
Vlasenko, S.P., Gariblan, D.Kh. - Effect of cortisone and adrenocorticotropic hormone on oxygen consumption by irradiated rats. p. 145.
Gezalian, L.S., Gasparian, L.A. - Effect of cerebellum injury on the peripheral blood of irradiated rats. p. 151.
Pogosian, M.O. - Effect of ionizing radiation on the vitamin B_{12} concentration in white mice. p. 159.
Lalaian, A.A. - Study of the effect of ionizing radiation on rhodopsin. p. 165.
Arutiunian, R.K., Ambartsumian, S.G. - N.E. Vvedenskii's optimum and pessimum phenomena in the cerebral cortex of rabbits following radiation injury. p. 173.
Allakhverdian, M.A. - Study of the electric activity of the optic nerve in various functional states. p. 179.
Ogandzhanian, E.E., Afanas'ev, IU.I. - Some morphological and histochemical changes in the spleen of irradiated animals. p. 187
Ovanesian, V.O., and others. - Beta radioactivity of some samples of animal bones, grass and soil. p. 197.
Arutiunian, M.L., Akopova, V.A., Ovanesian, V.O. - Radioactivity of the skeleton of newborn children. p. 201.
Papoian, S.A., Zil'fian, V.N., Dekhtsunian, K.M. - Immunobiological changes in irradiated guinea pigs with tularemia. p. 205.
Kazarian, G.A. - Diagnosis of thyrotoxicoses. p. 217.
Baiburtsian, A.A., and others. - Radioactive iodine (I^{131}) used in determining the hormonal activity of the thyroid gland in rats following castration. p. 225.
Alaverdian, M.I., and others. - Effect of X rays on the activity of hyaluronidase and hyaluronic acid. p. 229.
Kheifets, IU.B., Shabadash, A.L. - Characteristics and differences of glycogen loss by leucocytes after X-ray irradiation of the blood in vitro and in the body. p. 235.
Arutiunian, R.K. - Effect of direct current on the survival of irradiated rats. p. 241.
Shagoian, A.G. - Changes in the lipid fractions of blood in X-ray irradiated dogs under the conditions of fat load. p. 245.
Vlasenko, S.P., Gariblan, D.Kh. - Participation of the adrenal cortex in some manifestations of radiation sickness. p. 253.
Airapetian, M.Kh. - Some functional changes in the liver in acute and subacute cases of radiation sickness. p. 261.
Akopian, S.A., Manukian, M.A. - Effect of adrenaline on the blood sugar in irradiated and nonirradiated animals as influenced by aminazine. p. 269.
Papoian, S.A., and others. - Study of the initial phase of the interaction between vaccine virus and irradiated tissue culture cells. p. 275.
Kamalian, G.V., and others. - Some data on the effect of colamine on the development of vaccine virus and the formation of antivariola immunity. p. 283.
Arutiunian, R.K., Gabrielian, R.A., Ambartsumian, S.G. - Effect of direct current on the bioelectric activity in irradiated cats. p. 289.
Papoian, S.A., Kiunkiunadzhian, V.A., [illegible], L.S. - Effect of some antiseptic substances on ascitic Ehrlich's tumor. p. 293.
Shukurian, S.G. - Combined effect of ionizing radiation and chloroprene on the adenosine triphosphatase and catheptic activity. p. 301.
Baltikian, L.G. - Osmotic resistivity of blood platelets in irradiated rabbits. p. 309.

*VOPROSY VIRUSOLOGII [PROBLEMS OF VIROLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 6, Nov.-Dec., 1963.

Table of contents translated:
Parnes, V.A. - Simian oncogenic viruses [illegible] tumors in man. p. 643.
Timakov, V.D., and others. - Antiphage and [illegible] bacterial activity of the antitumor preparation dichloroethylamine and its derivatives. p. 6[illegible].
Gol'dfarb, D.M., Zuev, V.A. - Phagolytic [illegible] detectable on solid culture media. p. 6[illegible].
Il'iashenko, B.N. - Infection of [illegible] by DNA isolated from the ϕX174 phage. p. [illegible]
Gendon, IU.Z., Chernos, V.I. - Nature of [illegible] as a genetic character of pox viruses. p. [illegible]
Diakina, B.S., Kliashko, A.A., [illegible], A.V. - Biosynthesis of specific antigen in [illegible] infected with polio virus RNA. p. [illegible]
Zhdanov, V.M., and others. - Study of the [illegible] of adenoviruses and their agglutinins [illegible] fractionation using chromatography on DEAE cellulose. p. 686.
Sokolov, M.I., Lozinskaia, T.M. - [illegible] variation in influenza viruses due to [illegible] temperature. Report No. 1: Variation in the infectious activity of influenza viruses [illegible] adaptation to low temperature. p. 692.
Podcherniaeva, R.IA., Sokolov, M.I. - Hybridization of influenza viruses. Report No. 2: [illegible] in the properties of hybrids of influenza viruses. p. 697.
Demidova, S.A., and others. - Hemagglutinating activity of measles virus. p. 701.
Al'tshtein, A.D. - Study of acute and chronic infection caused by tick-borne encephalitis virus in tissue culture. Report No. 1: Early stages of interaction of the virus of tick-borne encephalitis with the cell. p. 707.
Avakian, A.A., Al'tshtein, A.D., IAn [illegible] [Yang Ju-hui] - Study of acute and chronic infection caused by tick-borne encephalitis virus in tissue culture. Report No. 2: Dynamics of accumulation and mechanism of spread of the virus of tick-borne encephalitis in tissue culture. p. 713.
Peterson, O.P., Li IU [Li Yü] - Antiviral effect of interferon. p. 719.
Shatkin, A.A., Beskina, S.R., Martynova, V.[illegible] - Cultivation of the pathogens of trachoma and paratrachoma in developing chick embryos. Report No. 1: Pathogenicity and dynamics of the accumulation of agents. p. 724.
Gavrilov, V.I., Demidova, S.A., [illegible] - Differentiation of transplanted cell strains by their sensitivity to viruses. p. 728.
Blumkin, V.N., Vasilianina, N.I. - Rapid method of preparing iron hematoxylin for staining monolayer cell cultures. p. 735.
Annotations on articles received by the editor. p. 737.
Editor's note. p. 745.
Book reviews and bibliography. p. 746.
Kantorovich, R.A., Markarian, A.G. - Pathogenicity of the virus of "madness" for man. p. 747.
Brief news. p. 748.
Index of articles published in the journal "Voprosy virusologii" in 1963. p. 751.

VSESOIUZNOE GIDROBIOLOGICHESKOE OBSHCHESTVO. Trudy [ALL-UNION HYDROBIOLOGICAL SOCIETY. Transactions]. Moscow, vol. 14, 1963. Priroda biologicheskikh pomekh v vodosnabzhenii [Nature of biological nuisances in water supply].

Table of contents translated:
Foreword. p. 5.
Gangardt, G.G. - General plan for multipurpose utilization and conservation of water resources and some objectives of hydrobiology. p. 7.
Zhadin, V.I. - Water quality and a theoretical discussion of biological nuisances in water supply. p. 9.
Dolgov, G.I. - Objectives and methods of studying the conditions of canals and reservoirs as exemplified by the Northern Donets-Donets Basin Canal. p. 22.

Frantsev, A.V. - Problems of improving the quality of water in the Moscow sources of water supply. p. 42.

Braginskii, L.P., and others. - Monuron and simazine as algicides used against filamentous algae. p. 52.

Drachev, S.M., Bylinkina, A.A., Sosunova, I.N. - Significance of surface adsorption phenomena in the self-purification of bodies of water. p. 66.

Shimanskii, B.A. - Efficient measures for controlling the overgrowth of cooling reservoirs. p. 74.

Get'man, I.A. - Difficulties caused by the periodic deterioration of the quality of water in the Northern Donets-Donets Basin Canal; data of two years experience in its use. p. 115.

Skadovskii, S.N., and others. - Prospects for improving the quality of water in the Northern Donets-Donets Basin Canal by means of a purposeful regulation of aquatic biocenoses. p. 124.

Sliusareva, A.I. - Biological fouling and plankton of the Northern Donets-Donets Basin Canal according to the data of the first years of its use (1959-1960). p. 130.

Raskina, E.E. - Biological nuisances in the Leningrad water-supply lines. p. 137.

Kokolina, T.G., TSvetkova, L.I. - Pollution of the Neva Bay as related to the use of sewage. p. 151.

Primachenko, A.D. - Preliminary materials on the investigation of the overgrowth and fouling of canals in the southern part of the Ukrainian S.S.R. p. 159.

Topachevskii, A.V., and others. - Hydrobiological characteristics of canals in the southern part of the Ukrainian S.S.R. based on the materials of 1962. p. 163.

Atlas, M.I. - Physicochemical and hydrobiological regime of Dzheyran-Batan Reservoir (Azerbaijan S.S.R.) as related to the specific climatic and pedologic conditions of its site. p. 170.

Kogan, Sh.I. - Overgrowth of the Karakum Canal. p. 176.

Kogan, Sh.I. - Algae in reservoirs of the Turkmen S.S.R. p. 184.

Sokolova, N.IU. - Fauna of two streams - a water-supply canal and a river. p. 201.

Gasilina, M.M. - Biologically active substances in regulated bodies of water, their role in the formation of water quality and their hygienic significance. p. 228.

Kokin, K.A. - Role of submerged macrophytes in water self-purification. p. 234.

Kabanov, N.M. - Some problems of the relationship between invertebrates and hydrophytes in Klyaz'ma Reservoir. p. 248.

Krenke, G.IA. - Species and food relationships of the animal population of filamentous green algae in stagnant bodies of water. p. 252.

Zhuravel', P.A. - Significance of canals and reservoirs of the South of the U.S.S.R. in the distribution of the representatives of the relict fauna from the Caspian liman region. p. 263.

Zhadin, V.I. - IAkov Vladimirovich Roll, his life and work in the field of hydrobiology. p. 269.

Beklemishev, K.V. - Vladimir Nikolaevich Beklemishev as a hydrobiologist. p. 271.

ZHURNAL OBSHCHEI BIOLOGII [JOUNRAL OF GENERAL BIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 25, no. 3, May-June 1964.

Table of contents translated:

Indefatigable researcher; on the 80th birthday of Academician E.N. Pavlovskii. p. 161.

Founder of the materialistic theory of the origin of life; on the 70th birthday of Academician A.I. Oparin. p. 163.

Giliarov, M.S., Mamaev, B.M. - Complexes of soil invertebrates in desert lands with artesian irrigation and the pathways of their controlled change. p. 165.

Bekman, M.IU., Menshutkin, V.V. - Analysis of the process of production in the population of simplest structure. p. 177.

Zotin, A.I. - Effect of cell division inhibitors on the cleavage of sea urchin eggs. p. 188.

Georgieva-Todorova, Iordanka. - Study of the effect of heterogenous pollination on the self-pollination of sunflower. p. 190.

Leont'ev, V.G., Natochin, IU.V. - Characteristics of the system of nitrogen and lithium transport through the bladder wall in frog. p. 210.

Gilev, V.P. - Electron microscopic study of myofibrils of the striated muscle fibers. p. 217.

El'darov, A.L., Kholodov, IU.A. - Effect of constant magnetic field on the motor activity of birds. p. 224.

Krivolutskii, D.A. - System organization and the theory of evolution. p. 230.

Serova, L.V. - Seasonal changes in gas metabolism in laboratory animals. p. 234.

Tret'iakov, N., and others. - Development of embryos in the course of incubation under variable temperatures. p. 237.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 43, no. 2, 1964.

Table of contents translated:

Bei-Bienko, G.IA. - Current problems of Soviet entomology. p. 161.

Cukerzis, J. - Interspecific relations between the crayfishes Astacus astacus L. and Astacus leptodactylus Esch. in the lakes of eastern Lithuania. p. 172.

Piontkovskaia, S.P., Flint, V.E. - Ecology of the juvenile forms of Dermacentor nuttalli Olen. and other ticks of wild rodents in the Ubsu Nur Depression of the Tuva A.S.S.R. p. 178.

Vereshchagin, B.V. - Some features of the injurious dendrophilous entomofauna in Moldavia. p. 185.

Krivosheina, N.P. - Head structure of the larvae and the natural system of the order Diptera. p. 193.

Mamaeva, Kh.P. - New and little-known gall midges (Diptera, Itonididae) in Moscow Province. p. 206.

Stroganov, N.S., Ievleva, E.S. - Determination of the degree of relationship in fishes by the method of precipitation on agar. p. 214.

Anukhina, A.M. - Seasonal and annual changes in the accumulation of reserve nutrients and fat in the White Sea codfish. p. 220.

Inozemtsev, A.A. - Some causes and the characteristics of the body weight fluctuation in birds. p. 232.

Cherniavskii, F.B. - Some adaptive characteristics of the postcranial skeleton structure in Ovis nivicola Esch. p. 242.

Varshavskii, S.N., Garbuzov, V.K. - Landscape characteristics of the habitat and the former southern boundary of the distribution of bobac in the Aktyubinsk-Mugodzhar steppes. p. 253.

Dement'ev, G.P. - Pallas; on the 150th anniversary of his death. p. 262.

Gorshkov, P.V. - Independence of the ontogeny and annual sexual cycle of Polystoma from the hormonal influence of its host, the grass frog (Rana temporaria L.). p. 272.

Butenko, O.M. - Ecology of the mite Rhinonyssus rhinolethrum (Trouessart, 1895) (Rhinonyssidae, Gamasoidea), a parasite of water birds. p. 274.

Goncharova, A.A., Buiakova, T.G. - Method of identifying deutonymphs of the family Lealaptidae Berlese, 1892 (Parasitiformes, Gamasoidea). p. 277.

Korenberg, E.I., Zhmaeva, Z.M. - Interrelations bewteen the yellowhammer and the ticks Ixodes persulcatus. p. 282.

Moskacheva, E.A. - Scutovertex niger, a new representative of oribatid mites from White Russia (Scutoverticidae Grandjean, 1953). p. 284.

Zlotin, A.Z., Treml', A.G. - Development of the gypsy moth (Ocneria dispar L.) under laboratory conditions. p. 287.

Kokhmaniuk, F.S. - Oviposition in Ocneria dispar L. p. 290.

Blagosklonov, K.N., Il'ichev, V.D. - Reaction of some birds to distress calls. p. 292.

Sharleman', N.V. - Mysterious animal of ancient Russia. p. 293.

Makhotin, A.A. - Ivan Ivanovich Shmal'gauzen, 1884-1963; an obituary. p. 297.

Pegel', V.A. - Review of N.S. Stroganov's book "Ecologic physiology of fishes." p. 303.

Strelkov, A.A. - Review of V.A. Dogel', IU.I. Polianskii and I.M. Kheisin's book "General protozoology." p. 306.

Brief news and information. p. 309.

d. CHEMISTRY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Erivan, vol. 17, no. 2, 1964.

Table of contents translated:

Azatian, V.V., Nalbandian, A.B., Silakhtarian, N.T. - Reaction of atomic oxygen and hydrogen with propylene. p. 117.

Petrosian, V.P. - Electric conductivity of rubbers. p. 123.

Aikazian, E.A., Arakelian, N.M., Isabekian, S.E. - Voltammetric measurements of the polarization of electrodes in a medium of liquid hydrogen fluoride. p. 131.

Manusadzhian, V.G., Varshavskii, IA.M. - Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 1: On the possibility of identification of amino acids by characteristic peaks in esters of their acyl derivatives. p. 137.

Manusadzhian, V.G., and others. - Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 2: Mass spectrometric analysis of ethyl esters of N-acylpeptides. p. 143.

Manusadzhian, V.G., Varshavskii, IA.M. - Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 3: Mass spectrometry of amino alcohols. p. 156.

Vartanian, S.A., Musakhanian, G.A., Avetian, L.O. - Chemistry of vinylacetylene. Part 47: Hydrochlorination of methylethylvinylethinylcarbinol, methylethylvinylethinylchloromethane, and 5-methyl-1,5-heptadien-3-yne. p. 164.

Arakelian, S.V., Rashidian, L.G., Dangian, M.T. - Synthesis of α-substituted δ-bromomercury γ-valerolactones. p. 173.

Aroian, A.A., and others. - Anomalous chloromethylation of methyl ester of o-isopropoxybenzoic acid. p. 176.

Vartanian, S.A., Tosunian, A.O., Melkonian, S.A. - Chemistry of vinylacetylene. Part 48: Order of the addition of chloromethyl ethers to isopropenylacetylene and some transformations of the alkoxy chlorides obtained. p. 184.

Vartanian, S.A., Badanian, Sh.O., Agababian, R.G. - Addition of dimethylamine to acetylenic alcohols. p. 191.

Vartanian, S.A., Zhamagortsian, V.N., Noravian, A.S. - Chemistry of vinylacetylene. Part 49: Some transformations of 2-propyl- and 2-methyl-2-ethyl-4-vinylethinyltetrahydropyran-ols. p. 196.

Mndzhoian, A.L., and others. - Synthesis of some 4-(1,2,4-triazolyl), 2-(4-methyl-5-carbethoxythiazolyl), and 2-(6-methoxybenzothiazolyl) amides. p. 204.

Aroian, A.A., Khachatrian, N.Kh. - Derivatives of benzofuran. Part 11: Synthesis of some amines and ethylenediamines containing a 2-methyl-5-methoxybenzofuryl radical. p. 212.

Dovlatian, V.V. - Synthesis of herbicides. Part 12: Synthesis and the herbicide properties of dichloralmelamine. p. 220.

Giul'budagian, L.V., Grigorian, V.A., Pogosian, A.A. - New derivatives of 2,4-quinolinediol. Part 1: Synthesis of some 3-(γ-chlorocrotyl)-2,4-quinolinediols. p. 223.

Giul'budagian, L.V., and others. - New derivatives of benzoquinolines. Part 2: γ-Chloroallyl and γ-chlorocrotyl derivatives of benzo [f] and benzo [h] quinolines. p. 227

Terzian, A.G., Kogodovskaia, A.A., Tatevosian, G.T. - Derivatives of indole. Part 13: 10-Carbomethoxy rutecarpine. p. 230.

Tatevosian, G.T., Terzian, A.G., Ekmekdzhian, S.P. - Substituted hydrazides of β-(2-methyl-4-carboxy-3-quinolyl)-propionic acid. p. 235.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia khimicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Chemical Series]. Moscow, no. 5, May 1964.

Table of contents translated:

Bondar', I.A., Vinogradova, N.V. - Phase equilibria in the system lanthanum oxide - aluminum oxide. p. 785.

Dobrynina, T.A., Dziatkevich, B.S. - Peroxyhydrates and hydrates of rubidium and cesium carbonates. Report No. 1: Solubility isotherms of the ternary systems $Rb_2CO_3 - H_2O_2 - H_2O$ and $Cs_2CO_3 - H_2O_2 - H_2O$ at 0°C. p. 790.

Mairanovskii, S.G., Dzhaparidze, D.I., Sorokin, O.I. - Polarographic study of some derivatives of γ-piperidone. p. 795.

Babad-Zakhriapin, A.A., Moiseev, V.P. - Thermographic investigation of the process of dehydration and decomposition of some 12-heteropoly acids. p. 799.

Perel'son, M.E., and others. - Integrated intensities of carbonyl bands of the pyrone and quinone series. p. 804.

Kharitonov, IU.IA., Buslaev, IU.A. - Infrared absorption of oxofluorides of some metals. p. 808.

Grafov, B.M. - Contribution to the theory of electrochemical diode. p. 814.

Avramenko, L.I., Krasnen'kov, V.M. - Reactions of nitrogen atoms. Report No. 3: Rate constant and mechanism of the reaction of nitrogen atoms with acetylene. p. 822.

Norikov, IU.D., Bobolev, A.V., Bliumberg, E.A. - Effect of the surface on the mechanism of chain propagation during oxidation of n-butane in the gas phase. p. 826.

Gostunskaia, I.V., Go Chin-fyn [Kuo Ch'in-fêng], Kazanskii, B.A. - Hydrogenolysis of cyclopentane hydrocarbons in the presence of platinum deposited on aluminum oxide. p. 832.

Arbuzov, B.A., Nuretdinova, O.N. - Addition of some α-halogen ethers to α-alkylene oxides. p. 836.

Nefedov, O.M., Manakov, M.N. - Interaction of dialkyl (aryl) dichlorosilanes with alkaline metals in the presence of conjugated dienes. p. 840.

Borisov, A.E., Abramova, A.N. - Interaction of triphenyltin hydride with oxygen and some halogen-containing organic and inorganic compounds. p. 844.

Razuvaev, G.A., and others. - Homolytic reactions of tetraethyltin with propyl bromide. p. 846.

Talalaeva, T.V., Kocheshkov, K.A. - Method of synthesis of ethyllithium in argon atmosphere. p. 855.

Bergel'son, L.D., Molotkovskii, IU.G. - Unsaturated acids and macrocyclic lactones. Report No. 12: Synthesis of macrocyclic β-hydroxylactones. p. 860.

Mironov, V.A., and others. - Substituted cyclopentadienes and related compounds. Report No. 11: 1,2,3-trimethylcyclopentadiene. p. 864.

Mironov, V.A., Kostina, S.N., Elizarova, A.N. - Substituted cyclopentadienes and related compounds. Report No. 12: Equilibrium mixture of 1,2- and 2,3-dimethylcyclopentadienes. p. 875.

Semechkina, A.F., Shorygina, N.N. - Decomposition of model compounds of lignin by metallic sodium solution in liquid ammonia. p. 884.

Khomutov, R.M., Severin, E.S., Karpeiskii, M.IA. - Hydroxylamine derivatives. Report No. 7: Synthesis of 4-substituted 3-isoxazolidones. p. 890.

Nikishin, G.I., Vorob'ev, V.D. - Free radical addition of low-molecular alcohols to unsaturated compounds. p. 894.

Korshak, V.V., Vinogradova, S.V., U Ban-tan' [Wu Pang-yüan]. - Heterochain polyesters. Report No. 49: Regularities of the formation of polyamidoarylates under conditions of interfacial polycondensation. p. 897.

Taber, A.M., and others. - Hydrogenation of acetophenone on a Rh-B catalyst. p. 904.

Dulov, A.A., and others. - Electric and magnetic properties of polyarylene quinones. p. 909.

Shuikin, N.I., Hofmann, H., Erivanskaia, L.A. Dehydrogenation of 1-methyl-1-cyclopentene in the presence of oxide catalysts. p. 912.

Alekseev, E.F., Gonikberg, M.G. - Polymerization of ethylene on a chromium oxide catalyst at high pressure. p. 914.

Zakharkin, L.I., Stanko, V.I., Klimova, A.I. - Exchange reactions of $B_{10}H_{12}[A]_2$-type decarborane complexes. p. 917.

Denisov, E.T., Shcheredin, V.P. - Synergetic effect of alcohols on the inhibitive power of aromatic amines. p. 919.

Ershov, B.G., Pikaev, A.K. - Electron paramagnetic resonance spectra of free radicals arising in the photolysis of frozen aqueous alkaline solutions of hydrogen peroxide. p. 922.

Knuniants, I.L., Diatkin, B.L. - Perfluoro tert-butyl alcohol and dissociation constants of trifluoromethylcarbinols. p. 923.

Zaretskii, V.I., Vul'fson, N.S. - *Synthesis of* diethyl ester of α,β-dicarbethoxyadipic acid. p. 925.

Zakharkin, L.I., Gavrilenko, V.V., Maslin, D.N. - Obtaining aldehydes in the reduction of carboxylic acid esters with aluminum hydride. p. 926.

Razuvaev, G.A., and others. - Proton magnetic resonance spectra of some vinyl silicon compounds. p. 928.

Zakharkin, L.I., Stanko, V.I., Bratsev, V.A. - Synthesis of some acetylenic alcohols. p. 931.

Alimov, P.I., Levkova, L.N. - Dichloromethylene amides of dialkyl phosphoric acids. p. 932.

Mikhailov, B.M., Povarov, L.S. - Synthesis of ionylidene acetaldehydes based on enol ethers of ionones. p. 934.

Setkina, V.N., Sokolov, S.D. - Isotope hydrogen exchange of 3,5-dimethylisoxazole with acids. p. 936.

Perel'son, M.E., and others. - Integrated intensities of C = O bands in the infrared spectra of substituted α-pyrones. p. 938.

Borisov, A.E., Abramova, A.N., Parnes, Z.N. - Evidence of the heterolytic mechanism of reactions of triphenyltin hydride. p. 941.

Zakharkin, L.I., Stanko, V.I., Chapovskii, IU.A. - Anomalous reaction of phenylpropiolic acid chloride with diacetonitrile decaborane. p. 944.

Gurevich, A.I., and others. - New methods of synthesizing tetracycline ring A. p. 945.

Glukhovtsev, V.G., Zakharova, S.V. - Synthesis of furan acids. p. 945.

Mikhailov, B.M., Dorokhov, V.A. - Synthesis of 2-alkyl-1,2-oxaborolanes. p. 946.

Mairanovskii, S.G., Mairanovskaia, E.F. - Nature of the second catalytic wave of proteins in cobalt salt solutions. p. 947.

Vitt, S.V., Saporovskaia, M.B., Belikov, V.M. - Analysis of amino acids by the capillary chromatography. p. 947.

Koptiug, V.A., and others. - Infrared spectra of protonated aromatic hydrocarbons. p. 948.

AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut elektrokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Electrochemistry. Transactions]. Sverdlovsk, No. 4, 1963. Elektrokhimiia rasplavlenykh solevykh i tverdykh elektrolitov [Electrochemistry of fused salt and solid electrolytes.].

Table of contents translated:

Smirnov, M.V., Skiba, O.V. - Equilibrium potentials of electrodes of uranium dioxide in NaCl - KCl melts containing uranyl chloride. p. 3.

Skiba, O.V., Smirnov, M.V., Khazemova, T.F. - Diffusion coefficients of U^{3+}, U^{4+}, and UO_2^{2+} ions in fused NaCl - KCl. p. 11.

Smirnov, M.V., Skiba, O.V. - Cathodic processes during electrolysis of NaCl - KCl melts containing UCl_3, UCl_4, and UO_2Cl_2. p. 17.

Loginov, N.A., Smirnov, M.V. - Current efficiency in the anodic dissolution of titanium in chloride and mixed fluoride-chloride melts. p. 29.

Saltykova, N.A., Baraboshkin, A.N. - Measurement of polarization in the cathodic isolation and anodic dissolution of copper in molten copper chloride. p. 35.

Arkhipov, G.G., Trunov, A.M., Stepanov, G.K. - Discharge of a carbonate ion on a platinum anode. p. 41.

Anfinogenov, A.I., Smirnov, M.V., Iliushchenko, N.G. - Electrolytic deposition of beryllium on copper in fused salts. p. 47.

Anfinogenov, A.I., and others. - Structure and phase composition of beryllium coating on copper obtained by the electrolysis of fused salts. p. 55.

Volchenkova, Z.S., Pal'guev, S.F. - Conductance of solid oxides. Part 7: Systems ThO_2 - BeO, ThO_2 - MgO, ThO_3 - SrO, ThO_2 - BaO. p. 67.

Neuimin, A.D., and others. - Structural constituents, conductance and its nature in the systems ZrO_2 - CaO - NiO, Zr_2O - CaO - Fe_2O_3. p. 83.

IUshina, L.D., Pal'guev, S.F. - Transfer number in the systems CeO_2 - BeO, CeO_2 - MgO, CeO_2 - CaO, and CeO_2 - SrO. p. 91.

Neuimin, A.D., Pal'guev, S.F., Chebotin, V.N. - Reduction of cerium dioxide in a mixture of oxides of the CeO_2 - La_2O_3 system and the conductance of mixtures. p. 97.

Neuimin, A.D., and others. - Nature of the conductance of solid solutions Bi_2O_3 - SrO. p. 111.

MOSCOW. UNIVERSITET. Vestnik. Seriia 2: Khimiia [UNIVERSITY. Review. Series 2: Chemistry]. Vol. 19, no. 1, Jan.-Feb., 1964.

Table of contents translated:

Peshkova, V.M., Khromov, S.I., Shakhparonov, M.I. - December Plenum of the Central Committee of the CPSU and chemical science at Moscow University. p. 3.

Panchenkov, G.M., Erchenkov, V.V. - Relation between diffusion and short-range order in a liquid. p. 20.

Spiridonov, V.P., Tatevskii, V.M. - Concerning a relationship in molecular refractions of gaseous and liquid inorganic substances. p. 30.

Goremykina, V.V., Vakalov, I.A., Shakhparonov, M.I. - Dielectric constant and molecular structure of pyridine - chloroform solutions. p. 33.

Semiokhin, I.A., and others. - Isotope exchange between carbon dioxide and its ethanolamine solutions. p. 35.

Li Ven'-chzhou [Li Wên-chou], Mal'tsev, A.N., Kobozev, N.I. - Activity of adsorption Pt-catalysts obtained in the ultrasonic field. p. 39.

Strizhkov, B.V., Lapitskii, A.V. - Properties of metatitanates of bivalent metals prepared by the method of thermal decomposition. p. 43.

Afonskii, N.S. - Products of interaction of chromic acid with chromium hydroxide. p. 47.

Trunov, V.K., Dratovski, M. - X-ray diffraction examination of a double salt $KNH_4H_3IO_6$. p. 49.

Shchedrina, A.P., Ozerova, M.I., Khomiakov, K.G. - Solubility in the system $FeCl_2$ - $MnCl_2$ - H_2O. p. 51.

Kucherenko, L.A., Troshkina, V.A., Khomiakov, K.G. - Effect of alloying on the hardness of a NiAl compound and its solid solutions. p. 53.

Bebikh, G.F., Ershova, T.V., Kuskov, V.K. - Breaking of the C - P bond in arylphosphinic acids by hydrolysis. p. 56.

TSiurupa, M.G., Peshkova, V.M. - Origin and development of photometric methods of analysis. p. 60.

Alimarin, I.P., Khan' Si-i [Han Hsi-i]. - Spectrophotometric semimicrodetermination of niobium in a loparite concentrate. p. 65.

Shlenskaia, V.I., Efimova, V.G. - Composition of a palladium compound with 8-hydroxyquinoline. p. 67.

Shakhova, Z.F., Ku Tkhan' Long. - Determination of molybdenum and tellurium in polyhetero compounds. p. 72.

Guseva, A.N., Parnov, E.I. - Isothermal cross sections of the cyclanes - water systems. p. 77.

Shvachkin, IU.P., Berestenko, M.K. - Synthesis of a pyrimidine analog of 3,5-dioxyphenylalanine. p. 79.

Vol. 19, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Shvachkin, IU.P., Prokof'ev, M.A. - Pyrimidines and amino acids: interconversions in biological and chemical systems. p. 3.

Vakalov, I.A., Shakhparonov, M.I. - Dielectric properties and molecular structure of acetone - n-hexane solutions. p. 16.

Tolmachev, A.M., and others. - Elution-partition of alkali metal ions on a synthetic A-type zeolite. p. 20.

Moskvitina, E.N., Kuziakov, IU.IA. - Infrared spectrum and the calculation of the vibratio spectrum of the molecule of chlorodifluorami (NF_2Cl). p. 23.

Berdonosov, S.S., Lapitskii, A.V., Vlasov, L. Aqueous solution of niobium tetrabromide. p.

Reshetnikova, L.P., Novoselova, A.V., Zakhar B.S. - Solubility of $(NH_4)_2BeF_4$ in solutions of propyl and butyl alcohols. p. 30.

Krasnikova, L.IA., Khomchenko, G.P., Vorobe T.D. - Effect of arsenic on the catalytic and electrolytic reduction of crotonic and maleic ac on platinum. p. 33.

Grigor'ev, A.T., Kuprina, V.V., Bernard, V.I. Chromium alloys with iron and cobalt in the regi of chromium-based solid solution. p. 37.

Alimarin, I.P., Khan' Si-i [Han Hsi-i]. - Process extraction of inner-complex compounds of niobi and tantalum with lumogallion and pyridylazores cinol. p. 41.

Mel'chakova, N.V., Trubetskaia, N.I., Peshkova, V.M. - Determination of zirconium in the prese of hafnium by the differential spectrophotometric method with arsenazo III. p. 45.

Dolmanova, I.F., Zolotova, G.A., Peshkova, V.M. Determination of nickel in the presence of cobalt by a catalytic reaction tiron - diphenylcarbazon hydrogen peroxide. p. 50.

Gavrilova, S.A., Shakhova, Z.F., Petrashkova, G.M. - Products of addition of some organic bases of thorium molybdenic heteropolyacid. p.

Kost, A.N., Terent'ev, P.B., Chernova, M.A. - Activity of the double bond of substituted 2-vinyl-pyridines. p. 59.

Agronomov, A.E., Mishchenko, A.P. - Catalytic properties of cobalt obtained by the thermal decomposition of amalgams. p. 64.

Sagitullin, R.S., Kornelli, T.V. - Synthesis of di-abrine and 5-methoxyabrine. p. 68.

Shvachkin, IU.P., Berestenko, M.K. - Synthesis of a pyrimidine analog of phenylalanine. p. 72.

Lapitskii, A.V., Vlasov, L.G., TSaletka, R. - Problem of the modern interpretation of D.I. Mendeleev's periodic system. p. 74.

Kamenov, A.I. - Reproducibility of the methods of amalgam polarography with accumulation using stationary mercury electrodes with gold contact. p. 79.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classed Index of Articles in Foreign Periodicals]. No. 4(124), Apr. 1964.

RADIOKHIMIIA [RADIOCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 6, no. 1, 1964.

Table of contents translated:

On the eightieth birthday of Academician Aleksandr Evgen'evich Fersman. p. 3.

Melikhov, I.V., Kirkova, E.K. - Coprecipitation of Co with K_2SO_4 crystals. Part 3: Interaction of Co^{3+} with the surface of K_2SO_4 crystals. p. 5.

Klokman, V.R., Kolesnikova, N.S. - Study of complex formation in melts by the method of isomorphic crystallization in the systems $PbCl_2$ - Sr^*Cl_2 - RbCl and $PbCl_2$ - Sr^*Cl_2 - CsCl. p. 11.

Starik, I.E., Ginzburg, F.L., Sheidina, L.D. - Adsorption of radioisotopes from aqueous and water-ethyl alcohol solutions. p. 19.

Brandshteir, I., and others. - Extraction chemistry of fermium and mendelevium (TBP - HNO_3, TBP - HCl). p. 26.

Gol'man, A.D., and others. - Isolation of neptunium-239 from irradiated uranium by means of ion exchange. p. 35.

Fedorova, L.A. - Kinetics of the oxidation of U(IV) in perchloric acid solutions by potassium chlorate. p. 42.

Vdovenko, V.M., and others. - Hydrogen bonding in alkyl ammonium salts. Part 1: Infrared spectra and structure of trioctyl ammonium nitrate. p. 48.

Vdovenko, V.M., Lipovskii, A.A., Nikitina, S.A. - Hydrogen bonding in alkyl ammonium salts. Part 2. Infrared spectra and structure of tridecyl ammonium chloride. p. 56

Lavrukhina, A.K., Kolesov, G.M. - Study of the nuclear disintegration products of rare-earth elements. p. 62.

Brezhneva, N.E., and others. - Isolation of radioactive carrier-free cerium from a mixture of fission products. p. 66.

Novgorodov, A.F., and others. - Obtaining radiation sources for β-spectroscopy by the electrolytic deposition of rare-earth elements. p. 73.

Nefedov, V.D., Kirin, I.S., Zaitsev, V.M. - Chemical changes in the composition of phenyl derivatives of pentavalent antimony during β-decay of Sb^{125}. p. 78.

Andreeva, I.V., and others. - Processes and products of the interaction of high-molecular weight compounds with inorganic salts. Part 3: Reaction of aqueous solutions of polyacrolein. p.86.

Geletseanu, I., and others. - Thorium acetates. p.93.

D'iachkova, R.A., Spitsyn, Vikt.I. - Extraction of n-benzoylphenylhydroxylaminates of protactinium, zirconium, and niobium from sulfuric acid solutions. p.102.

Shvedov, V.P., Nichugovskii, G.F. - Separation of alkaline elements by electrophoresis. Part 1: Separation of rubidium and cesium with ammonium p-tungstate. p.104.

Shvedov, V.P., Nichugovskii, G.F. - Separation of alkaline elements by electrophoresis. Part 2: Separation of rubidium and cesium ions in potassium ferrocyanide solutions. p.107.

Moskvin, L.N. - Partition chromatography on fluoroplast-4. Isolation of trace amounts of Se from SrO target irradiated by fast protons. p.110.

Preobrazhenskii, B.K., Kaliamin, A.V., Mikhalcha, I. - Isolation of gold and thallium from a complex mixture of elements by partition chromatography. p.111.

Nefedov, V.D., and others. - Separation of phenyl derivatives of arsenic and germanium by means of partition paper chromatography. p.112.

Kiselev, B.P., and others. - Separation of barium and strontium by the exchange method in the system amalgam - solution. p.114.

Iokhel'son, S.V., Popov, D.K. - Radiochemical determination of antimony-125 in solids. p.117.

Pushkarev, V.V., Bagretsov, V.F., Puzako, V.D. - Separation of strontium-90 and yttrium-90 with the aid of gelatin foam. p.120.

Vdovenko, V.M., Kuzina, M.G., Lipovskii, A.A. - Stoichiometry of the compounds of uranyl nitrate with trioctyl ammonium nitrate. p.121.

Nefedov, V.D., Kirin, I.S., Zaitsev, V.M. - Utilization of the chemical effect of Sb^{125} β-decay for the synthesis of tri-α-naphthyltelluronic derivatives. p.123.

Murav'eva, I.A., and others. - Determination of the solubility of precipitated alkali metal uranyl phosphates by the tracer method. p.124.

Preobrazhenskii, B.K., Lilova, O.M. - Some properties of sulfostyrene cation exchangers and their performance in a neutral and weak acid region. p.128.

Spitsyn, Vikt.I., Zimakov, I.E., Dobrosel'skaia, N.P. - Effect of radioactive radiation of S^{35} and Mo^{99} on the size of the specific surface of molybdenum disulfide. p.130.

Belov, S.V., Anikin, V.S. - Gamma-spectrometric method of analyzing a mixture of iodine-131 and iodine-132 radioisotopes. p.132.

Vol.6, no.2, 1964.

Table of contents translated:

Melikhov, I.V. - Present state of knowledge of the process of cocrystallization of microimpurities with crystalline precipitates. p.137.

Melikhov, I.V., Babaian, S.G. - Coprecipitation of cerium with K_2SO_4 crystals. Part 4: Coprecipitation of Ce during K_2SO_4 crystallization from a neutral solution. p.153.

Melikhov, I.V., Kirkova, E.K., Merkulova, M.S. - Coprecipitation of Ce with K_2SO_4 crystals. Part 5: Behavior of Ce during the recrystallization of a K_2SO_4 precipitate in a saturated aqueous solution of macrocomponents. p.165.

Tikhomirov, V.I., Kuznetsova, A.A., Batorovskaia, E.D. - Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 1: Nitrate solutions. p.173.

Tikhomirov, V.I., Kuznetsova, A.A., Batorovskaia, E.D. - Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 2: Chloride solutions. p.182.

Tikhomirov, V.I., Kuznetsova, A.A., Batorovskaia, E.D. - Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 3: Sulfate solutions. p.187

Krasnov, K.S., Kashirina, F.D. - Influence of structural factors on the thermodynamic characteristics of the extraction of basic dye salts. p.191.

Razbitnaia, L.M. - Complex compounds of cerium, yttrium, and uranyl with some polyaminocarboxylic acids. p.202.

Moskvin, A.I., Peretrukhin, V.F. - Study of the complex formation of pentavalent neptunium in phosphate solutions by means of ion exchange. p.206.

Moskvin, A.I., Zaitseva, V.P., Gel'man, A.D. - Study of the complex formation of trivalent plutonium with anions of acetic, citric, and tartaric acids by means of ion exchange. p.214.

Samartseva, A.G. - Study of the adsorption of uranium on polished platinum. p.230.

Moskvin, L.N., Preobrazhenskii, B.K. - Partition chromatography on ion-exchange resins. Part 2: Separation of Rh, Pd, Ir, and Pt. p.237.

Kuznetsov, IU.V., and others. - Radioactivity of ocean suspensions. Part 1: Thorium isotopes in ocean suspensions. p.242.

Kochina, M.P., Uriaev, I.A., Brigevich, R.F. - Method of preparing large-size β-particle radiators. p.255.

Malkin, L.Z., Aikhazov, I.D., Sokolov, A.M. - Unit for preparing thin homogeneous extended radioactive sources. p.258.

REFERATIVNYI ZHURNAL: KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, Formul'nyi ukazatel' za 1961 g. [Formula Index for 1961], vol.5.

UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL]. Issued by Akademiia nauk URSR [Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.30, no.1, 1964.

Table of contents translated:

Sazhin, V.S., and others. - Isotherms of solubility of aluminum oxide in the system Na_2O - CaO - Al_2O_3 - SiO_2 - H_2O. p.3.

Pilipenko, A.T., Kapustian, A.I. - Complex formation in the system tellurium (IV) - diantipyrylmethane - bromide. p.9.

Shevchenko, IU.V., Aleksandrov, G.P. - Composition and properties of mixed hexanitrocobaltates of rare-earth elements with potassium. p.12.

Vereikina, L.L., Samsonov, G.V. - Preparation of indium phosphide. p.18.

Antonov, A.A., Koval'chuk, D.S., Maslov, P.G. - Thermodynamic functions of deutero- and iodo derivatives of GeH_4. p.20.

Skopenko, V.V., Brusilovets, A.I. - Study of selenocyanate complexes of nickel in dimethylformamide. p.24.

Reznik, L.B., Kovalenko, P.N. - Microcoulometric determination of the number of electrons involved in the reduction of tungstate and vanadate ions on a mercury dropping electrode. p.28.

Belousov, V.M. - Competitive reactions as a method of investigating the mechanism of heterogeneous catalysis. p.32.

Mikhailov, F.K., Volova, L.M., Sheremet'eva, G.I. - Kinetics of zinc chloride ammoniate formation at high temperatures. p.39.

Pamfilov, A.V., Mazurkevich, IA.S. - Photocatalysis and surface properties. p.43.

Tovbin, M.V., Kozlova, T.P., IAtsimirskii, V.K. - Joint action of a silent discharge and catalyst in ammonia synthesis. p.48.

Delimarskii, IU.K., Tumanova, N.Kh. - Polarographic investigation on fused carbonates as the support. Part 2: Polarography of the oxides of zinc, copper, cadmium, and lead. p.52.

Kolotii, A.A., Kucherenko, V.L. - Losses of tin and lead during dissolution in the systems of fused salts $SnCl_2$ - (KCl) and $PbCl_2$ - (KCl - NaCl). p.57.

Zosimovich, D.P., Nemtsov, V.D. - Cathodic polarization of a silicon electrode in the electrodeposition of tin and nickel. p.59.

Shpoier, L.F., Pavlovskaia, M.E. - Synthesis of nitrogen derivatives of phenoxyacetic acid. Report No.1: Azophenoxyacetic acids. p.63.

Pazenko, Z.N., Lebedeva, T.N. - 1,3,5-Triazines. Part 2: Some ethers of 2-phenyl-4,6-dioxy-1,3,5-triazine. p.66.

Lozinskii, M.O., Pel'kis, P.S., Sanova, S.N. - Preparation of arylazochloroacetic acids and 4-phenyl-substituted Δ^2 - 1,3,4-1,3,4-poladiazolin-5-one. p.68.

Malinovskii, M.S., and others. - Preparation and properties of asymmetrical oxides of methyl-tert-hexylethylene, methyl-tert-heptylethylene, and methyl-tert-octylethylene. p.72.

Stetsenko, A.V., Kravets, L.I. - Cyanine dyes from 2-methylacenaphtheno-4',5': 4,5-thiazole. p.75.

Zubarovskii, V.M., Moskaleva, R.N., Bachurina, M.P. - Benzoxazolylbenzimidazoles and cyanine dyes obtained from them. p.80.

Sarzhevskaia, V.P., and others. - Polyamides with aromatic and heterocyclic links in the chain. Part 5: Polyamides based on bis-(4-aminocyclohexyl) methane and some heterocyclic dicarboxylic acids. p.83.

Tarasenko, IU.G., Uskov, I.A., Solomko, V.P. - Effect of kaolin on the properties of polymethyl methacrylate and polystyrene. p.86.

Lialikov, IU.S., Kopanskaia, L.S. - Rapid method of determining indium, antimony, and tellurium in semiconductor alloys by means of an alternating current polarograph. p.91.

Grigor'eva, V.V., Zholdakov, A.A. - Determination of the composition of complexes by the data of the metal indicator method. p.95.

Volkova, A.I., Get'man, T.E., Emtsova, N.A. - Determination of titanium in metallic aluminum as a ternary complex titanium - salicylate - quinine. p.102.

Smirnova-Zamkova, S.E. - Determination of the heat resistance of polymeric materials. p.107.

Kul'skii, L.A., Slipchenko, V.A., Nakorchevskaia, V.F. - Investigating the conditions for obtaining sols of active silicic acid by chlorination of sodium silicate solutions. p.108.

Glazman, IU. - "Physical chemistry" by O.D. Kurilenko. p.112.

Shatenshtein, A.I. - "Isotopes exploring chemical reactions" by I.P. Gragerov. p.113.

Vol.30, no.4, 1964.

Table of contents translated:

Litvinenko, L.M. - Polyfunctional catalysis in organic chemistry. p.317.

Zalats, A.I. - Polarization of chromium in solutions of ammonium sulfates and bivalent chromium. p.330.

Ognianik, S.S. - Polarographic investigation of slags. Report No.2. p.337.

Markov, B.F., Volkov, S.V. - Thermodynamic properties of molten zinc chloride. System $ZnCl_2$ - LiCl. p.341.

Kudra, O.K., Fialkov, IU.IA., Tarasenko, IU.A. - Physicochemical analysis of the systems trifluoroacetic acid - indifferent solvent. p.347.

Rokos, I.D., Shameko, N.I. - Certain methods of investigation of the dynamics of processes taking place in flow reactors. p.353.

Vinarov, I.V., Grinberg, A.N. - Kinetics of the ion exchange sorption of zirconium and hafnium by the KU-2 cation exchanger. p.359.

Skobets, E.M., Karnaukhov, A.I., Kavetskii, N.S. - Use of inrush currents in inversion polarography. p.365.

Kotorlenko, L.A., Gardenina, A.P., Oleinik, V.G. - Oxidative degradation of polyamides. Part 1: Thermal and radiation-induced oxidation of polycaprolactam studied by infrared spectroscopy. p.370.

Fomenko, A.S., and others. - Oxidative degradation of polyamides. Part 2: Role of free radicals in radiolysis and radiation-induced oxidation of polycaprolactam. p.376.

Mushkalo, L.K., Sheiko, D.I. - Condensation of o-aminoselenophenol with unsaturated carboxylic acids. p.384.

Babko, A.K., Lukovskaia, N.M. - Chemiluminescence determination of cobalt in high purity zinc. p.388.

Tishchenko, M.A., Lauer, R.S., Poluektov, N.S. - Separation of rare-earth elements into subgroups by means of cupferron. p.390.

Kogan, F.I., Kovalenko, P.N., Ivanova, Z.I. - Use of a spectrograph for determining indium and germanium impurities in tin. p.395.

Veselaia, I.V. - Polarographic determination of amino acids. p.398.

Gorbenko, F.P., Sachko, V.V. - Extraction of calcium by means of azo-azoxy BN. p.402.

Afanas'ev, A.S., Khvedchenia, G.M. - Correlation between the potential of scale-covered steel and the loss of weight on etching in sulfuric acid. p.405.

Kushnir, M.M. - Removal of iron impurities from ammonium chloride. p.410.

Shevchuk, I.A. - Chemical nature of compounds of crystal violet with hexachloroantimonic acid. p.415.

Piatnitskii, I.V., Kharchenko, R.S. - Effect of strong electrolytes on the extraction by amyl alcohol of a tributylaminocitrate complex of iron. p.416.

Vdovenko, I.D. - Automation of time determination in the electrochemical measurement of the thickness of films on metals. p.418.

Tretinnik, V.IU., Kruglitskii, N.N. - Effect of a polyacrylonitrile preparation on the structural and mechanical properties of palygorskite suspensions. p.419.

IUrii Konstantinovich Delimarskii; on his sixtieth birthday. p.422.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.33, no.2, Feb. 1964.

Table of contents translated:

December Plenum of the Central Committee of the CPSU and the objectives of chemistry. p.125.

Shostakovskii, M.F., Bogdanova, A.V., Plotnikova, G.I. - Addition of alcohols and mercaptans to the compounds with triple bonds. p.129.

Akhrem, A.A., Titov, IU.A. - Chemistry of 19-norsteroids. p.151.

Mur, V.I. - Cyanuric chloride and the prospects for its use. p.182.

Volutskii, S.S., Vakula, V.L. - Phenomena of self-diffusion and mutual diffusion in polymeric systems. p.205.

Holliday, A., Massey, A. - Boron subhalides and related compounds with boron - boron bonds. p.233.

Vol. 33, no. 5, May 1964.

Table of contents translated:

Vartanian, S.A. - Advances in the chemistry of divinylacetylene. p. 517.

Balandin, A.A. - Multiplet theory of catalysis. Energy factors in catalysis. p. 540.

Nikolaev, L.A. - Principles of modeling of biocatalysts. p. 580.

Bardina, N.G. - Anodic oxide films. p. 602.

Murin, A.N., Bogdanov, R.V., Tomilov, S.M. - Chemical effect of nuclear transformations in solids. p. 619.

VYSOKOMOLEKULIARNYE SOEDINENIIA [MACROMOLECULAR COMPOUNDS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 6, no. 4, Apr., 1964.

Table of contents translated:

Ruzicka, J., Kudlacek, L. - Study of the internal structure of cellulose based on argon sorption isotherms. p. 577.

Kudlacek, L., Ruzicka, J. - Effect of heterogeneous hydrolysis on the structure of cellulose. p. 587.

Smirnova, O.V., Losev, I.P., Khorvat, E. - Synthesis and studies of polycarbonates by the interfacial polycondensation method. Part 6: Effect of emulsifiers on the course of the interfacial polycondensation of 2,2'-bis-(4-hydroxyphenyl) propane and phosgene and on the rate of hydrolysis of phosgene. p. 594.

TSvetkov, V.N., Bychkova, V.E. - Effect of side radicals on the optical anisotropy and shape of macromolecules in solution. p. 600.

Bezuglyi, V.D., Salitchuk, E.K. - Use of the polarographic method in the determination of the molecular weight of some polymers. p. 605.

Slovokhotova, N.A., and others. - Effect of ionized radiation on the structure of polypropylene. p. 608.

Kolesnikov, G.S., Safarlieva, I.G., Rodionova, E.F. - Carbochain polymers and copolymers. Part 53: Polymerization kinetics of dimethyl ester of vinylphosphinic acid. p. 615.

Slonimskii, G.L., Rogovina, L.Z. - Determination of the mechanical characteristics of polymer materials by stress relaxation at a constant strain. p. 620.

Vasenin, R.M. - Kinetics of the swelling of polymers. p. 624.

Belogorodskaia, K.V., Ushakov, S.N. - Synthesis of dimethylpropyl and dimethylphenylsilyl ethers of polyvinyl alcohol. p. 630.

Dogadkin, B.A., Fel'dshtein, M.S., Beliaeva, E.N. - Interaction of vulcanization accelerators with rubbers of various structures. p. 635.

Pokrovskii, E.I. - Determination of the composition of methacrylate copolymers by means of infrared spectroscopy. p. 642.

Pokrovskii, E.I., Fedorova, E.F. - Quantitative determination of the stereoregularity of polystyrene by means of infrared spectroscopy. p. 647.

Rafikov, S.R., and others. - Chemical transformations of polymers. Part 15: Specific features of the thermal degradation of polyenanthamide. p. 652.

Livshits, R.M., and others. - Mechanism of the tetravalent cerium salt initiation of the graft copolymerization of cellulose with vinyl monomers. p. 655.

D'iachkovskii, F.S., IArovitskii, P.A., Bystrov, V.F. - NMR study of the catalytic system $(C_5H_5)_2TiCl_2 + Al(CH_3)_2Cl$. p. 659.

Arbuzova, I.A., Plotkina, S.A. - Cyclic polymerization of diallyl maleate. p. 662.

Milinchuk, V.K., Pshezhetskii, S.IA. - Study of the kinetics of free radical conversions in γ-irradiated polypropylene by means of ESR spectra. p. 666.

Kriazhev, IU.G., Rogovin, Z.A. - Synthesis of block copolymers of 2-methyl-5-vinylpyridine. p. 672.

Sorokin, M.F., Mikhailova, L.S. - Polymerization of phenyl glycidyl ether in the presence of aluminum isopropylate and zinc chloride. p. 677.

Belavtseva, E.M., Petrov, IU.M., TSvankin, D.IA. - Structure of cellulose treated with phosphotungstic acid. p. 684.

Andrianov, K.A., Kotrelev, G.V. - Catalytic polymerization of trimethyltriphenylcyclotrisilazane. p. 691.

Stepukhovich, A.D., Malanin, V.A., Rafikov, E.A. - Effect of colloidal cadmium and zinc on the kinetics and mechanism of the initial stage of block polymerization of methyl methacrylate. p. 695.

Levin, P.I., Bulgakova, T.A. - Mutual strengthening (synergism) of antioxidants. Part 4: Increased effectiveness in mixtures containing esters of pyrocatecholphosphorous acid. p. 700.

Novak, I.I., Vettergen', V.I. - Molecular orientation in capron fibers studied by infrared spectroscopy. p. 706.

Chelnokova, G.N., Rafikov, S.R. - Chemical transformations of polymers. Part 16: High temperature degradation of polyenanthamide and polycapramide in a closed system. p. 710.

Erofeev, B.V., Naumova, S.F., Maksimova, T.P. - Kinetics of $TiCl_4$-induced polymerization of 1,3-cyclohexadiene in benzene solution. p. 716.

Solodova, N.L., Kozlov, L.M., Burmistrov, V.I. - Catalytic synthesis of nitropolyurethanes by copolymerization of diisocyanates with nitrodiols and nitrotriols. p. 722.

Suprun, A.P., Soboleva, T.A., Lopatina, G.P. - Polymerization of 3,3,3-trichloropropene under pressure. p. 726.

Korshak, V.V., Vinogradova, S.V., Vinogradov, M.G. - Coordination polymers. Part 19: Exchange reactions in the polycondensation process. p. 729.

Paushkin, IA.M., Lunin, A.F., Omarov, O.IU. - Polymers with conjugated bonds from ammonium carbonate and bicarbonate. p. 734.

Pudovik, A.N., Kuzovleva, R.G. - Polymerization and copolymerization of α-acetoxyvinylphosphinic acid esters. p. 737.

Pudovik, A.N., Cherkasov, R.A. - Synthesis of polyalkylene glycol dithiophosphates and some of their addition reactions. p. 741.

Sosin, S.L., Korshak, V.V., Alekseeva, V.P. - Possibility of synthesizing macromolecular compounds from diphenylsilane under conditions of the polyrecombination reaction. p. 745.

Bartenev, G.M., Vishnitskaia, L.A. - Rheological properties of polyisobutylene. p. 751.

Hardy, D., and others. - Synthesis, polymerization, and copolymerization of vinyl thioacetate. p. 758.

Vol. 6, no. 5, May 1964.

Table of contents translated:

Gabrielian, G.A., Rogovin, Z.A. - Synthesis of thioamide-containing polymer analogs of polyacrylonitrile. p. 769.

Gotlib, IU.IA., Svetlov, IU.E. - Theory of anomalous angles in flow birefringence of polymer solutions. p. 771.

Eizner, IU.E., Ptitsyn, O.B. - Hydrodynamics of polymer solutions. Part 7: Effect of long range interaction on the intrinsic viscosity of macromolecules near the θ-point. p. 777.

Ivanov, V.S., and others. - Studies in radiation polymerization. Part 3: Radiation polymerization of piperylene in the channel complexes of urea. p. 782.

Malinskii, IU.M., Trifel', B.IU., Kargin, V.A. - Breakdown of reinforced plastics. Part 1: Investigation of models of uni-oriented glass reinforced plastics. p. 787.

Kochnov, I.M., Sorokin, M.F. - Polymerization kinetics of glycidyl methacrylate. p. 791.

Sorokin, M.F., Kochnov, I.M. - Relative activities of monomers in the copolymerization of glycidyl methacrylate with styrene. p. 798.

Zubov, P.I., and others. - Effect of adhesion on the internal stresses of glue joints. p. 803.

TSvetkov, V.N., Liubina, S.IA., Barskaia, T.V. - Flow birefringence and viscosity of polyacrylic acid solutions. p. 806.

Zubov, P.I., Osipov, E.A., Sukhareva, L.A. - Study of cross-linking in solutions of polyvinyl alcohol. p. 811.

Slonimskii, G.L., and others. - Mechanical properties of polymer mixtures. Part 2: Mixing of amorphous polymers with amorphous polymers and of crystalline polymers with crystalline polymers. p. 818.

Slonimskii, G.L., Musaelian, I.N., Kazantseva, V.V. - Mechanical properties of polymer mixtures. Part 3: Mixing of polyisobutylene with polyethylene. Density of polymer mixtures. p. 823.

Sosin, S.L., Korshak, V.V., Alekseeva, V.P. - Possibility of preparing high-molecular weight compounds from diphenylgermane under conditions of polyrecombination reaction. p. 827.

Berlin, A.A., and others. - Polymers with a conjugation system. Part 1: Synthesis and study of the electrophysical properties of polymeric phthalocyanines. p. 832.

IAkubovich, A.IA., and others. - Fluorinated polybenzimidazoles. p. 838.

Vasnev, V.A., Sosin, S.L., Korshak, V.V. - Preparation of polymers by polyrecombination of the nitriles of aromatic and aliphatic acids. p. 843.

Tokarev, A.V., Kudriavtsev, G.I. - Synthesis and study of unsaturated fiber-forming polymers. Part 1: Synthesis of unsaturated polyamides. p. 850.

TSvetkov, V.N., Grishchenko, A.E., Slavetskaia, P.A. - Photoelastic effect in swollen polymers. Part 4: Cyanoethylacetylcellulose. p. 856.

Kron, A.K., Ptitsyn, O.B. - Calculation of volume effects in linear polymer chains by the Monte-Carlo method. p. 862.

Mikhailov, G.P., and others. - Temperature dependence of ε' and tg δ of polyfluoroethylene at $4,7.10^8$ c/s. p. 868.

Bel'govskii, I.M., Markevich, M.A., Enikolopian, N.S. - Kinetics of radical polymerization by the light scattering method. Part 2: Unsteady reaction. p. 871.

Tvorogov, N.N., Korolev, G.V. - Polymerizati highly viscous media and three-dimensional p merization. Part 5: Apparatus for studying steady state kinetics (pre- and post-effect) in case of the polymerization of polyester acryla p. 877.

Frisman, E.V., Vorob'ev, V.I., Shchagina, L.V., birefringence in solutions of deoxyribonucle acid. Part 3: Dependence of the optical anisotr of deoxyribonucleic acid molecules on the mol lar weight. p. 884.

Berezhnoi, G.D., and others. - Effect of the add of emulsifying agents on the course of the emul sion polymerization of styrene. p. 891.

Eskin, V.E., and others. - Composition inhomoge neity and fractionation of styrene copolymer wi methyl methacrylate. p. 896.

Korshak, V.V., and others. - Preparation of poly mers by the polycyclization reaction. Part 4: Preparation of mixed polyamidobenzimidazoles based on 3,3'-diaminobenzidine, hexamethylene diamine, and diphenyl ester of sebacic acid. p.

Kalashnikova, V.G., and others. - Electron micro scope study of the structure of rubbers. Part 2. p. 906.

Lipatova, T.E., Siderko, V.M. - Carbonium copolymerization of dimethacrylate-(bis-triethyle glycol) phthalate with styrene. p. 910.

Zelenov, IU.V., Bartenev, G.M. - Effect of plasti cization on the relaxation properties of rubberli polymers over a wide temperature range. p. 91

Maklakov, A.I., and others. - Nuclear magnetic resonance study of filled plasticized polyvinyl chloride. p. 923.

Ostroverkhov, V.G., Brunovskaia, L.A., Kornie A.A. - Polymerizability of some N-diallyl compounds. p. 925.

Petrov, K.A., and others. - Phosphorus-containin polymers. Part 12: Synthesis of polymeric anal of phosphorus-containing insecticides. p. 929.

Ushakov, S.N., Tudoriyu, P. - Synthesis of the es of polyvinyl alcohol and di-n-butylboronic acid. p. 934.

Zhdanov, A.A., and others. - Polymers with inorganic principal molecule chains. Synthesis of polyorganophosphoralumoxanes. p. 940.

Matsoian, S.G., Morlian, N.M. - Cyclic polymeriz tion and copolymerization. Part 23: Radical polymerization of dimethylvinylethinylcarbinol. p. 945.

Sharkova, E.F., Virnik, A.D., Rogovin, Z.A. - Polymer analog conversions of a graft copolymer of cellulose and polyglycidyl methacrylate. p. 95

Maloshitskii, A.S., Kolesnikov, G.S., Mi T.P. - Carbochain polymers and copolymers. Part 54: Polymerization of methyl methacrylate the presence of n-butylboryl difluoride. p. 957.

Zharov, A.A., and others. - Stereospecific radical polymerization of propylene at high pressures. p. 962.

Kholmuradov, N., and others. - Possibility of preparing nitrodeoxycellulose by nucleophilic substi tution. p. 963.

Volkova, E.V., Skobina, A.I. - Radiation polymerization of hexafluoropropylene in the liquid and solid phases. p. 964.

ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 36, no. 9, Sep., 1962.

Table of contents translated:

Kitanina, G.L., Shlygin, A.I. - Mechanism of the electroreduction of sulfur dioxide on platinum. p. 1849.

Ryskin, G.IA., Rylov, V.S. - Separation of potassium isotopes by electrolysis on a mercury cathode and by crystallization of potassium chloride. p. 1854.

Galkina, N.K., Rubinshtein, R.N., Seniavin, M.M. - Statics of exchange of a mixture of ions. p. 1860.

Polukarov, IU.M., Gorbunova, K.M., Bondar', V.V. - Certain aspects of the theory of electrodeposition of alloys. Part 6. p. 1870.

Miuller, R.L., Adzhemian, R.TS. - Kinetics of dissolution in aqueous electrolyte solutions. p. 1877.

Egorov, M.M., and others. - Surface properties of catalytically active aluminum oxide. p. 1883.

Vartanian, A.T. - Reversible discoloration of solid layers of xanthene dyes in hydrazine vapors. p. 1890.

Cherkasov, A.I. - Mechanism of reactions associated with the hypsochromic shift of some acid-base indicators in alkaline medium. p. 1897.

Tomilov, B.I., Loshkarev, M.A. - Kinetics of electrochemical oxido-reduction reactions. p. 19

Ovchinnikova, T.M., Taran, L.A., Rotinian, A.L. - Change of acidity in the catholyte layer during electrolysis of nickel chloride solutions. p. 1909.

Zemskov, V.S., Suchkova, A.D., Zhurkin, B.G. - Heterogeneous equilibrium in the system Ge - In - Sb. p. 1914.

Reibel', I.M. - Catalytic properties of some polynuclear compounds of cobalt. Part 1. p.1919.
Levina, S.D., Kalish, T.V. - Effect of atomic hydrogen on the potential of nickel and mercury electrodes in electrolyte solutions. p.1926.
Bogdanov, G.A., Prokhorova, I.K. - Kinetics of decomposition of peroxo salts in solution. p.1932.
Shcheglova, N.A., Shigorin, D.N., Dokunikhin, N.S. - Luminescence of monohalo derivatives of anthraquinone in frozen solutions. p.1938.
Siver, P.IA. - Experimental verification of the Onsager equations. p.1947.
Balandin, A.A., and others. - Determination of chemical equilibrium by the differential thermocouple method. p.1952.
Manzhelei, M.E. - Temperature effect on the kinetics of electroreduction of unsaturated organic compounds. p.1958.
Storonkin, A.V., Smirnova, N.A. - Certain problems in the thermodynamics of multicomponent heterogeneous systems. Part 4. p.1963.
Sazhinov, IU.G., Kuprilanov, S.E. - Excitation of ions formed in the ionization of molecules by electrons. p.1969.
Markuzin, N.P., Plekhotkin, V.F. - Concerning the existance of solutropy in the system ethylenediamine - benzene - n-hexane. p.1973.
Skobelkin, V.I. - Relaxation interaction of shock waves with a flame front. p.1979.
Filippov, IU.V., Vendillo, V.P. - Electrosynthesis of ozone. Part 7. p.1987.
Davydov, A.T., Lisovina, G.M. - Mechanism of the ion exchange sorption of anions of salts and acids on weakly basic anion exchangers. p.1993.
Rylov, V.S. - Flotation method for analyzing the isotope composition of magnesium. p.1999.
Vasil'ev, V.P. - Entropy characteristics of a nonideal state of electrolyte solutions. p.2005.
Hanus, V., Mairanovskii, S.G., Koutecky, J. - Polarographic catalytic hydrogen waves produced by organic catalysts. Part 2. p.2010.
Rachinskii, V.V. - Theory of ion exchange dynamics. Part 5. p.2018.
Spiridonov, V.P., Tatevskii, V.M. - Some correlations in internuclear distances of diatomic molecules. p.2024.
Shakhparonov, M.I. - Certain aspects of the theory of molecular light scattering in liquids. p.2030.
Bagratishvili, G.D., TSitsishvili, G.V., Bezhashvili, K.A. - New data on hydrogen bonding in o-nitraniline. p.2036.
Khomutov, N.E. - Nature of solvation. Part 1. p.2043.
Pak, T.A., Kogan, V.B. - Verification of liquid - vapor equilibrium in three-component systems with two liquid phases. p.2046.
Kuznetsova, E.M., Nikitin, O.T. - Isotopic effect in the distribution of titanium compounds between water and benzene. p.2050.
Roikh, I.L., Bolotich, I.P., Koltunova, L.N. - Determination of the activation energy of formation of hydrogen oxide and hydrogen peroxide in the atmospheric corrosion of Mg and Al. p.2052.
Belashchenko, D.K. - Quasi-stationary method of determining the concentration dependence of diffusion coefficients in metallic melts. p.2055.
Vendillo, V.P., Filippov, IU.V. - Electrical theory of ozonizers. Part 10. p.2058.
Begunov, G.A., Gorbachev, S.V. - Electrochemical processes on an alternating-polarizing electrode. Part 2. p.2062.
Lazorenko-Manevich, R.M. - Light-induced redistribution of potential at the semiconductor - electrolyte boundary. p.2066.
Chernyshev, A.M. - Thermodynamic derivation of the diagrams of state of two-component systems. p.2072.
Anikin, A.G., and others. - Zone melting of methyl methacrylate. p.2074.
Gorelov, I.P., Serebrennikov, V.V. - Absorption spectrum of iodine in aqueous solutions of iodides. p.2075.
Kolesov, V.P., and others. - Standard enthalpy of formation of 1,1-difluoroethylene and trifluoroethylene. p.2078.
Kolesov, V.P., Zenkov, I.D., Skuratov, S.M. - Standard enthalpy of formation of chlorotrifluoromenthane and dichlorodifluoromethane. p.2082.
Mikhailov, V.A., Kirgintsev, A.N. - Finding of break points on a curve. p.2085.
Swietoslawski, W.W. - Exact measurements of the freezing point of chemically pure benzene. p.2087.
Brzestowskii, W., Swietoslawski, W. - Method of eliminating the effect of harmful space in ebulliometric measurements. p.2090.
Berezin, G.I., Kiselev, A.V., Serdobov, M.V. - Continuously heated adiabatic differential calorimeter with continuous adsorbate feed for measuring the heat of adsorption on small solid surfaces. p.2091.
Baranovskii, B., TSukrovskii, A.S. - Some comments on the paper by D.K.Belashchenko and A.A. Zhukhovitskii "On the theory of electrolytic transport." p.2096.
Belashchenko, D.K., Zhukhovitskii, A.A. - On the comments by B.Baranovskii and A.TSukrovskii. p.2098.
Zhdanov, S.P. - Adsorption properties and hydration of a quartz surface (remarks on the articles by M.M.Egorov, V.F.Kiselev, E.G.Krasil'nikov). p.2098.
Tur'ian, IA.I. - Polarographic wave equations and the nature of the particles reduced at the electrode in the polarography of maleic acid. p.2103.
Anosov, V.IA. - "Phase equilibria in multicomponent systems" by L.S.Palatin, A.I.Landau. p.2106.
Karapet'iants, M.Kh. - "Handbook of solubility" by V.B.Kogan, V.M.Fridman, V.V.Kafarov. p.2107.

Vol.38, no.4, Apr. 1964.
Table of contents translated:
Davtian, O.K. - Studies in the mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 9. p.825.
Fimkov, V.G. - Mechanism of the isotopic exchange of oxygen in the systems gas - solid at high temperatures. p.833.
Kochergin, S.M., Vinseleva, G.IA. - Structure and properties of electrolytic deposits of nickel obtained in the ultrasonic field. p.839.
Vasil'ev, A.M. - Dependence of the width of electron paramagnetic resonance lines of the Mn^{2+} ion in aqueous solution on its concentration. p.845.
Berezin, B.D. - Mechanism of dissociation of metal phthalocyanines. p.850.
Samsonov, G.V., Pasechnik, V.A. - Thermodynamic potential, enthalpy and entropy of swelling in ion exchange. H^+ - Cs^+ exchange of SBS sulfonated resins. p.858.
Khaldna, IU.L., and others. - State of small additions of nitromethane in aqueous solutions of sulfuric and hydrochloric acids. p.863.
Vasil'ev, M.V. - Classification of diagrams of state of binary metallic systems in accordance with their atomic interaction forces. p.871.
Ivanova, E.F., Aleksandrov, V.V. - Thermodynamic properties of electrolytes in nonaqueous solutions. Part 15. p.878.
Rachinskii, V.V., Rustamov, S.M. - Theory of ion exchange dynamics. Part 7. p.885.
Nashel'skii, A.IA., Ostrovskaia, V.Z., IAkobson, S.V. - Equilibrium vapor pressure of phosphorus at the melting point of indium phosphide. p.891.
Iomtev, M.B., TSekhanskaia, IU.V. - Diffusion of naphthalene in compressed ethylene and carbon dioxide. p.893.
Komarova, T.A., Korovkina, E.K., Figurovskii, N.A. - Crystallization of benzoic, salicyclic, and phthalic acids from solutions. p.901.
Vinnik, M.I., Zarakhani, N.G. - Kinetics and mechanism of reactions in concentrated strong acid media. Part 8. p.907.
Amirova, S.A., and others. - Oxidation of iron-vanadium spinel by oxygen. p.916.
Karazhanov, N.A. - Flow method of dissolving nonfixed crystals. p.921.
Usachev, D.N. - Nature of the film formed on the cathode during electrolytic deposition of chromium from chromic acid solution. p.927.
Matorina, N.N. - Equilibrium partition factor in ion exchange complex-forming chromatography. p.932.
Bibi, R.A., and others. - Adsorption and state of CO_2, SF_6, and NH_3 on the surface of graphitized carbon black. Part 2. p.939.
Bezus, A.G., Dreving, V.P., Kiselev, A.V. - Adsorption energy of ethane and ethylene on surfaces of varying nature. Part 2. p.947.
Tikhomirov, M.V., Komarov, V.N., Tunitskii, N.N. - Formation of N_3^+ and N_4^+ ions in a mass spectrometer. p.955.
Deviatykh, G.G., IUshin, A.S. - Equilibrium constants for thermal decomposition reactions of volatile hydrides of III - VI group elements. p.957.
IAlamov, IU.I., Malaev, A.M. - Effect of the discreteness of surface charge on the electrostatic potential of macroions in electrolyte solutions. p.963.
Treivus, E.B. - Kinetics of dissolution of $MgSO_4 \cdot 7H_2O$ single crystals. p.967.
Bokhovkin, I.M. - Corrosion of cadmium alloys with antimony in organic acids. p.970.
Leshchinskaia, Z.L., Selivanova, N.M. - Heat of formation of zinc selenite ($ZnSeO_3.H_2O$). p.972.
Toropov, N.A., Rumiantsev, P.F., Filipovich, V.N. - Kinetics of dissolution of CaO, 3CaO.SiO, 2CaO.SiO, and SiO in the liquid phase of cement clinker. p.974.
Kudriavtseva, IU.I., Pavlov, B.V., Vedenev, V.I. - Kinetics and mechanism of the thermal decomposition of ethane. p.976.
Deich, A.IA., Viazovskaia, A.B. - Some physicochemical properties of aminoacetic acid aqueous solutions. p.980.
Vichutinskii, A.A., Prokof'ev, A.I., Shabalkin, V.A. - Application of the electron paramagnetic resonance method for studying free radicals formed in the thermal decomposition of α, α'-azodiisobutyrodinitrile. p.983.
Materova, E.A., Skabichevskii, P.A. - Electrochemical properties of zirconyl phosphate. Part 2. p.985.
Fedorova, M.F., Aliev, A.N. - Adsorption isotherms of gases on silica gel at low temperatures in the pressure range $10^{-8} - 10^{-2}$mm. of Hg. p.989.
Starobinets, G.L., Soldatov, V.S. - Thermodynamics of ion exchange on sulfonated copolymers of styrene divinylbenzene. Part 3. p.992.
Mikhailovskii, IU.N. - Metal corrosion under the effect of alternating currents in stirred media. p.995.
Berezin, I.V., Martinek, Karel. - Reactivity of cyclohexyl and heptyl free radicals in the reaction with C sec. - T bond of some hydrocarbons in the liquid phase (effect of conjugation). p.998.
Mikhailovskii, IU.N. - Rectification of alternating current and metal corrosion in multielectrode systems. p.1001.
Kavtaradze, N.N., Sokolova, N.P. - Infrared spectra of carbon monoxide chemisorbed on cobalt. p.1004.
Prokhorova, V.V., Serafimov, L.A., Takhtamysheva, L.S. - Liquid - vapor phase equilibrium in the system acrylonitrile - acetonitrile at atmospheric pressure. p.1005.
Rakitianskaia, O.F. - Mechanism of the optical sensitization of alkali halide crystals. p.1008.
Golubev, B.S., Panchenkov, G.M. - Determination of the diffusion mechanism controlling the rate of sorption (ion exchange). p.1010.
Verkhovskaia, A.K., Perel'man, F.M. - Decomposition of hydrogen peroxide on mixed catalysts from cobalt, copper, and tungsten salts. p.1013.
Karapet'iants, M.Kh., Zhukov, G.V. - Application of the methods of comparative calculation for estimating the properties of substances in corresponding states. Part 1. p.1015.
Karapet'iants, M.Kh., Boev, E.I. - Application of the methods of comparative calculation for making the approximations of the type $f(G_1, G_2 \ldots) \approx$ const. more accurate. Part 1: Corrections of Trouton's rule. p.1019.
Revzin, A.F., Bagdasar'ian, Kh.S. - Determination of the absolute reaction rates of radical reactions. Part 3. p.1020.
Kaimakov, E.A. - Measurement of the ionic mobility of lithium admixture in concentrated HCl solutions. p.1023.
Pepekin, V.I., and others. - Heat of formation of magnesium hydride. p.1024.
Ivanov, V.F., Iofa, Z.A. - Nonpolarographic peaks on a dropping mercury electrode in the electroreduction of iron group metals. p.1026.
Ermakov, V.I., Zagorets, P.A., Grunau, A.P. - Apparatus for the thermostatic control of specimens in nuclear magnetic resonance experiments. p.1030.
Andreev, IU.P., Semekhin, I.A., Panchenkov, G.M. - Redistribution of oxygen and carbon isotopes between carbon dioxide and the products of its dissociation in a silent electric discharge. p.1032.
Efendiev, A.A., and others. - Kinetics of ion extraction by polymeric complex-forming films. p.1035.
Kurliandskaia, I.I., Martynov, IU.M. - Adsorbability of sparingly soluble substances. p.1038.
Kachanova, Zh.P., Purmal', A.P. - Study of catalase-active systems. Part 6. p.1041
Abramov, V.N., Kiselev, A.V., Lygin, V.I. - Study of the adsorption of phenol, aniline, and nitrobenzene by aerosil and zeolite using infrared spectroscopy. p.1044.
Alekseev, V.N., and others. - Apparatus for investigating electrochemical systems by the triangular pulse method. p.1048.
Drakin, S.I., Erbanova, L.N., Karapet'iants, M.Kh. - Determination of instantaneous heat effects by means of the Mishchenko and Sukhotin modification of the Schottky calorimeter. p.1051.
Miroshnichenko, E.A., Leiko, V.P., Lebedev, IU.A. - Semimicrocalorimeter. p.1054.
Zaitsev, O.S., Bulgakova, T.I. - Determination of the partial pressure of hydrogen by the electromotive force method. p.1056.
Arvan, Kh.L. - Reducing properties of the leuco forms of riboflavine and lumichrome. p.1057.
Tulupov, V.A. - Peculiar features of the structure of π-complexes formed by ions of d-family and olefins. p.1059.

***ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.34, no.3, Mar. 1964.**
Table of contents translated:
Mertslin, R.V., Nikurashina, N.I. - Properties of the demixing field in the system water - pyridine - aniline. p.715.
Bokhovkin, I.M. - Physicochemical study of binary systems formed by acetamide and cresols. p.718.

Bokhovkina, IU.I., Bokhovkin, I.M., Vitman, E.O. - Physicochemical study of the ternary system carbamide - monochloroacetic acid - trichloroacetic acid. p.723.

Bokhovkin, I.M., Bokhovkina, IU.I., Vitman, E.O. - Physicochemical analysis of the ternary system phenol - acetamide - trichloroacetic acid. p.727.

Dzhelomanova, Z.K., Rudenko, N.Z., Topal, N.K. - Physicochemical analysis of the ternary system urea - β-naphthol - acetamide. p.731.

Korshunov, I.A., Maltegina, N.I. - Polarographic behavior of bis-cyclopentadienyltitanium dichloride. p.734.

D'iakonov, I.A., Danilkina, L.P. - Reactions of carbenes with diene, enyne, and diyne systems. Part 1: Reactions of dichloro-, dibromo-, and carbethoxycarbenes with 2-methyl-1-penten-3-yne. p.738.

Vilenskaia, M.R., IUrzhenko, T.I. - Synthesis of tertiary alkyl hydroperoxides C_6 - C_{11}. p.748.

Skvarchenko, V.R., Sukhareva, T.S., Levina, R.IA. - Aromatic hydrocarbons. Part 29: Stereoisomeric tetrahydrophthalic acids and their anhydrides in the reaction with phosphorus pentoxide. p.752.

Shostakovskii, M.F., and others. - Synthesis of organomagnesium compounds in a medium of formals. p.760.

Berdinskii, I.S. - Substituted hydrazides of hydroxycarboxylic acids. Part 14: Acyl derivatives of basic nature of phenylhydrazides of diaryl- and dialkyl glycolic acids. p.762.

Nazarova, Z.N., Novikov, V.N. - Basicity of the furan ring. p.767.

Ionova, L.V., Mozzhukhin, D.D., Morozova, E.A. - Synthesis of tetrapeptides. p.769.

Mamedov, Shamkhal., Arabov, A.K. - Glycol ethers and their derivatives. Part 69: Synthesis of alkoxymethyl ethers of N-substituted ethanolamines. p.772.

Mamedov, Shamkhal., Mamedov, E.Sh., Khydyrov, D.N. - Glycol ethers and their derivatives. Part 70: Synthesis of alkoxymethyl ethers of phenylethanediol. p.777.

Kamai, Gil'm., Gatilov, IU.F. - Chromatographic separation of quaternary asymmetrical arsonium salts into optically active antipodes and the study of their racemization rates. p.782.

Kamai, Gil'm., Usacheva, G.M. - Separation of asymmetrical phosphonium compounds into optical antipodes by means of an acid silver salt of levorotatory dibenzoyl tartaric acid. p.785.

Berlin, IU.A., and others. - Tetracyclines. Part 22: New paths for building up a ring A of dedimethylaminotetracyclines. p.790.

Berlin, IU.A., Kolosov, M.N., Shemiakin, M.M. - Tetracyclines. Part 24: Building up a ring A of tetracyclines. p.798.

Valter, R.E., Vanag, G.IA. - 2-Iodomethyl-2-aryl-1,3-indandiones and their reaction with tertiary heterocyclic amines. p.808.

Gren, E.IA., Vanag, G.IA. - Ultraviolet absorption spectra of 1,3-cyclopentanediones. p.812.

Gren, E.IA., Vanag, G.IA. - Ultraviolet absorption spectra of 4-cyclopentene-1,3-diones. Part 1. p.817.

Gren, E.IA., Vanag, G.IA. - Ultraviolet absorption spectra of 4-cycylopentene-1,3-diones. Part 2. p.823.

Vul'fson, N.S., Zaretskii, V.I. - Dieckmann reaction. Part 12: Cyclization of diethyl ethers of β-carbethoxy- and β,β-dicarbethoxyadipic acid. p.828.

TSukerman, S.V., Chan Kuok Shon, Lavrushin, V.F. - Synthesis of α,β-unsaturated ketones based on quinaldehyde. p.832.

Zalukaev, L.P., Vnenkovskaia, D.G. - Synthesis of derivatives of benzyl-o-carboxylic acid. p.838.

Zalykaev, L.P., Anokhina, I.K. - Addition of acylacetic esters to 2-arylidene-1,3-indandiones. p.840.

Sharifkanov, A.Sh., Mukhametkaliev, T.M., Gafarova, N.A. - Heterocyclic compounds. Part 1: Interaction of γ-piperidones with organolithium compounds. p.843.

IUr'ev, IU.K., Sadovaia, N.K., Grekova, E.A. - Chemistry of selenophene. Part 49: Reactions of 3-bromoselenophene. p.847.

Ivin, S.Z., Karavanov, K.V., Lysenko, V.V. - Complex compounds of alkyl- and polyalkylchlorophosphines with aluminum chloride. Part 3: Production of complex compounds of trialkyldichlorophosphines with aluminum chloride and their reduction. p.852.

Petiunin, P.A., Kozhevnikov, IU.V. - Heterocycles. Part 35: Use of polyphosphoric acid for the synthesis of quinazolone compounds. p.854

Kirpichnikov, P.A., Gurvich, IA.A., Ivanova, M.V. - Synthesis of esters of β-naphthylphosphorous acid. p.856.

Ivanova, Zh.M. - Mono- and difluorophosphites. p.858.

Beliaev, V.F. - Synthesis of chalcones on the basis of β-chlorovinyl ketones. p.861.

Larin, N.A., Matveeva, E.N., Petrova, T.G. - Synthesis of some 2-hydroxy-5-alkoxybenzophenones. p.864.

Gololobov, IU.G., Dmitrieva, T.F., Soborovskii, L.Z. - Vinyl esters of phosphorus acids. Part 3: Chlorides of α-alkenyl esters of alkylphosphinic acids. p.866.

Shmonina, V.P., Abdrakhmanova, R.M. - Catalytic reduction of aromatic nitro compounds. Part 13: Kinetics and mechanism of nitrobenzene reduction on palladium. p.869.

Pudovik, A.N., Golitsyna, G.A. - Reactions of addition of alkyleneglycolophosphorous and phosphorothioic acids. p.876.

Pudovik, A.N., Faizullin, E.M. - Mechanism of reactions of phosphorus acid chlorides with oxides of alkenes and dienes. p.882.

Pudovik, A.N., Evstaf'ev, G.I. - Diphosphonic glycols, diphosphonic diamines and some of their reactions. p.890.

Fargali, A.M., and others. - Synthesis of 2,4-dimethyl-3-(β-diethylaminoethyl)-5-carbethoxypyrrole and its derivatives. p.893.

Fargali, A.M., Evstigneeva, R.P., Preobrazhenskii, N.A. - Synthesis of 2,2'-[3,3'-bis(β-diethylaminoethyl)-4,4'-dimethyl]-dipyrrylmethane. p.898.

Stepanov, F.N., IUrchenko, A.G. - Condensation of azulenes with carboxylic acid anhydrides. p.901.

Petrov, K.D., Kriuchkova, G.V. - Some conversions of methyleneethanolamine acetate and anhydroformaldehydeaniline. p.907.

Petrov, K.D., Tikhomirova, R.G. - Preparation and some transformations of α-amino alcohols of the naphthalene series. p.909.

Andrianov, K.A., Khaiduk, Ionel, Khananashvili, L.M. - Formation of polycyclosilazanes in the ammonolysis of dimethyldichlorosilane. p.912.

Andrianov, K.A., Astakhin, V.V., Nikiforov, B.P. - Interaction of hexaalkyldisilazanes with carboxylic acids and diatomic phenols. p.914.

Shevchuk, M.I., Dombrovskii, A.V. - Preparation of 2-vinyl furyl- and 2-vinyl thienyl ketones. p.916.

Safonova, T.S., Sergievskaia, S.I. - Arylamides of aliphatic amino acids. Part 3: p-N-di (chloroethyl) aminophenylamides of some amino acids. p.919.

Karishin, A.P., Kustol, D.M. - Synthesis of 5-chloro-6-iodoacenaphthene and products of its oxidation. p.924.

Kozlov, N.S., Sonich, I.P. - α-Furyl-β-aminoaryl ketones. p.927.

Zinov'ev, IU.M., Soborovskii, L.Z. - Interaction of tetraethyllead with phosphorus trichloride or methyldichlorophosphine and oxygen. p.929.

IAkobson, G.G., Shteingarts, V.D., Berezovskii, G.A. - Aromatic fluorine derivatives. Part 12: Reaction of fluohalobenzenes with aluminum chloride. p.932.

IAkobson, G.G., Rubina, T.D., Vorozhtsov Jr., N.N. - Aromatic fluorine derivatives. Part 13: Hydrolysis of fluohalobenzenes. p.936.

Faizullina, N.K., Gur'ianova, E.N. - Dipole moments of mercury bromide complexes with organic sulfides. p.941.

Lodochnikova, V.I., Panov, E.M., Kocheshkov, K.A. - Reactivity of $ArPbX_3$ compounds. Reaction with (C_6H_5) Sb. p.946.

Rubinchik, G.F., Manulkin, Z.M. - Synthesis of unsymmetrical aliphatic-alicyclic tin compounds. p.949.

Cherntsov, O.M., Chalykh, E.A., Gur'ianova, E.N. - Derivatives of 2-mercaptobenzothiazole and dithiocarbamic acids. Part 2: Transformations of benzothiazolyl esters of dithiocarbamic acids. p.952.

Zakhs, E.R., Efros, L.S. - Derivatives of imidazole. Part 32: Synthesis of 4,5(6,7)-quinones of benzimidazole. p.956.

Zakhs, E.R., Efros, L.S. - Derivatives of imidazole. Part 33: Synthesis of 6,7-quinones of benzimidazole. p.962.

Gol'dfarb, IA.L., Vol'kenshtein, IU.B., Lopatin, B.V. - Bromination and chloromethylation of 2-thiophenealdehyde in the presence of an excess of aluminum chloride. p.969.

Dovgoshela, M.I., Mil'ner, R.S. - Synthesis of 4'-substituted 4-vinylbiphenyl. p.977.

Saldabol, N.O., Medne, A.IA. - Synthesis and conversions of furan derivatives. Part 1: Synthesis and conversions of 2-amino-4-(2'-furyl)-thiazole. p.980.

Svetlaeva, V.M., Kuznetsova, E.A., Zhuravlev, S.V. - Synthesis and properties of 2-mercaptobenzothiazole derivatives. Part 3: Benzothiazolyl-2-mercaptoacetic acid. p.983.

Kuz'mina, K.K., and others. - Thiazoline and thiazolidine series. Part 3: Synthesis of 3-alkyl-2-thiazolidones. p.987.

Galstukhova, N.B., Shchukina, M.N. - Synthesis of thiourea derivatives. Part 3: Piperazinylthiocarbanilides and arylthiocarbamylpiperazines. p.989.

Kuliev, A.M., Kuliev, A.B., Mamedov, F.N. - Synthesis of alkyl thiophenols. p.993.

Dokunikhin, N.S., Salov, B.V., Glazoleva, A.B. Derivatives of anthraquinone. Part 3: Synthesis fluoro-substituted 2-anthraquinonecarboxylic and 2-aminoanthraquinone. p.995.

Kretov, A.E., Bespalyi, A.S. - Derivatives of naphthothiazinidine. p.999.

Karishin, A.P., Kustol, D.M. - Synthesis of 5, diiodoacenaphthene and its oxidation products. p.1001.

Viazankin, N.S., Razuvaev, G.A., Brevnova, T. Reactions of tetrapropyl- and tetraisopropyltin with benzoyl peroxide. p.1005.

Tarasenko, A.G., Fedoseev, V.M., [illegible], S.D., 2,3-Dimercaptopropylamine and its derivatives. Part 1: Synthesis of N-mono- and N,N-dialkyl derivatives of 2,3-dimercaptopropylamine. p.

Berezovskii, V.M., Glebova, G.D. - [illegible] isoalloxazine series. Part 11: Synthesis of [illegible] flavine and lumiflavine. p.1014.

Chernobai, V.T. - Partial synthesis of heart glycosides. Convallatoxin and convallatoxol. p.101

Nikonov, G.K., Kuvaev, V.B. - Lactones of Peucedanum mogoltavicum Korov. p.10[illegible].

Bocharnikova, A.V., Massagetov, P.S. - Alkaloids of Leptorhabdos parviflora Benth. p.1024.

Efremova, G.D., Serebriakova, A.V. - Determination of the heat of melting of hexamethylenediamine. p.1026.

Zakharkin, L.I., Khorlina, I.M. - Reduction of carboxylic acids to aldehydes with diisobutylaluminum hydride. p.1029.

Poddubnaia, N.A., Lavrenova, G.I., A[illegible], T.M. - Structure of the pyrimidine base, a constituent of albomycin. p.1030.

Pudovik, A.N., Kuzovleva, R.G. - Reactions of diene synthesis involving esters of α-[illegible] carbethoxyvinylphosphinic acid. p.1034.

Kharit, IA.A. - Composition and structure of salts from diamines and dicarboxylic acids. p.10[illegible].

Butskus, P.F., Stonite, R.IU. - Transformations of N,N-di(β-cyanoethyl) arylsulfamides. p.[illegible]

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUC TURAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.5, no.2, Mar.-Apr., 1964.

Table of contents translated:

Rambidi, N.G. - Interpreting electron diffraction diagrams of vapors with calculation of the [illegible] ment of molecular motion. Part 3: Effect of "washing out" of the characteristics of a [illegible] diffraction picture. p.179.

Vilkov, L.V., Mastriukov, V.S., Akishin, P.A. - Electron diffraction study of the structure of the vinyltrichlorosilane molecule. p.183.

Gurikov, IU.V. - Mechanism of self-diffusion in water. p.188.

Günther, K., Pfeifer, E. - Study of the diffusion movement of water molecules in solutions of paramagnetic ions by measuring proton resonance. p.193.

Geschke, D., Pfeifer, H. - Study of the solvation of the Mn^{2+} ion in formic acid by measuring spin relaxation of protons. p.201.

Semitov, IU.IU., Aminova, R.M. - Nuclear magnetic resonance spectra and the structure of 1,3-dioxanes, 1,3-dioxolanes, and some cyclic esters of sulfurous and carbonic acids. Part 1: Dioxanes and 1,3-dioxolanes. p.207.

Kokin, A.A. - Effect of the anisotropy of the g factor of molecules on the width of electron paramagnetic resonance lines in solutions. p.217.

IAblokov, IU.V. - Determination of the parameters of the spin Hamiltonian for copper salts with [illegible] from electron paramagnetic resonance spectra of polycrystals. p.222.

Sergeev, N.M., Karpov, V.L. - Calculation of the intermolecular second moment of the absorption line of proton resonance in polybutadienes. p.2[illegible]

Kologlu, IU.P., Fedorko, A.S. - X-ray structural analysis of alloys of the system ZnSb - Cd[illegible] p.236.

Soklakov, A.I., Ilarionov, V.V. - Structure of P_4O and red phosphorus. p.242.

Zaslavskii, A.I., Zhukova, T.B. - Structure of $AgFeTe_2$. p.246.

Butman, L.A., and others. - Making the structure of crystals of potassium nitrosohydroxotetra[illegible] ruthenate more precise. p.250.

Starovskii, O.V., Struchkov, IU.T. - Making the structure of ferrocene disulfochloride more precise. p.257.

Smirnova, N.L. - Possible superstructures in n-layered close packings for the case of atoms having three of four neighboring A atoms. p.261.

TSkhai, V.A., Gel'd, P.V. - Effect of [illegible] value of the overlap of d-orbitals on some properties of equiatomic oxides and carbides of Ti, V, and Nb. p.275.

Belova, V.I., and others. - Magnetic susceptibility of some rhenium compounds. p.281.

Levin, A.A. - Locating the best hybrid orbitals of the central atom in MXk-type molecules. p.2[illegible].

Batsanov, S.S. - Geometric system of electronegativities. p.293.
Maziiov, R.K. - Magnetic relaxation of Li^7 nuclei in aqueous solutions of paramagnetic salts. p.302.

Gabuda, S.P., and others. - Proton resonance in uranium peroxide hydrates. p.303.
Lapshin, N.M., Ovcharenko, N.I., Khidekel', M.L.- Paramagnetic properties of polycyclopentadiene. p.305.
Razuvaev, G.A., Abakumov, G.A., Pestunovich, V.A. - Structure of the protonated ion-radical of tetraphenyl hydrazinium. p.307.
Kutepov, D.F., Dubov, S.S., Strukov, O.G. - Structure of some derivatives of urea and guanidine. Part 1: Infrared spectra and structure of diureines and diguanyls of cyclohexanedione and phenanthrene quinone and their N-chloro derivatives. p.309.
Kokoreva, I.IU. - Dipole moments of stereo isomers of 2-methyl-4-ketoöctahydro-1-pyrindine. p.314.
Bykov, V.N., Solov'ev, V.A. - On the significance of the volume factor during the formation of the sigma phase. p.315.
Kravchenko, V.B. - Crystal structure of the monoclinic modification of $SrB_2O_4 \cdot 4H_2O$. p.317.
Klevtsova, R.F. - Crystal structure of strontium apatite. p.318.
Kosturkevich, Z.S., Struchkov, IU.T. - Space groups and unit cells of organic compounds. Report No.3: X-ray diffraction study of some alkaline salts of dinitroalkanes. p.320.
Kosturkevich, Z.S. - Space groups and unit cells of organic compounds. Report No.5: Derivatives of N-oxides of pyridine and quinoline. p.323.
Kozhin, V.M. - High temperature modification of 1,8-dinitronaphthalene. p.324.
Diatkina, M.E., Mikhailov, IU.N. - Nature of the Re-O bond in K ReO (CN). p.325.
Shustorovich, E.M. - Electronic structure and properties of cumulated systems. Part 3: Effects of interelectron interaction in organic cumulenes. p.325.
Levin, A.A. - Theory of the location of the most stable configuration of MX_k molecules by the method of maximum overlap. p.329.
Alpatova, N.M., Kessler, IU.M. - Complex compounds of silicon. p.332.
Methods of structural analysis at the Sixth International Congress of Crystallography. p.354.

e. MATHEMATICS

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Computation Center. Transactions]. Tiflis, vol.4, 1964.

Table of contents translated:
Alekseidze, M.A. - Bilateral approximations for the solution of boundary value problems. p.3.
Alekseidze, M.A. - Upper limit of the number of letters in an alphabet in a minimal disjunctive form. p.9.
Kartsivadze, I.N. - Functions represented in the form of a potential. p.19.
Khatiashvili, G.M. - Almansi's problem for a sectional anisotropic cylindrical body. p.29.
Khatiashvili, G.M. - Almansi's problem for a homogeneous anisotropic, cylindrical body. p.43.
Khatiashvili, G.M. - St. Venan's problems for sectional anisotropic nearly prismatic bodies. p.71.
Zhgenti, V.S., Khvoles, A.R. - Two mixed problems for a shell whose middle surface has the shape of an arch dam. p.91.
Basheleishvili, M.O. - Analog of Dini's formula in the theory of elasticity. p.121.
Basheleishvili, M.O. - Solution of the fundamental three-dimensional boundary value problems of the statics of an isotropic elastic body for multiply connected regions. p.131.
Basheleishvili, M.O. - Method for studying certain two-dimensional boundary value problems involving an anisotropic elastic body for multiply connected regions. p.141.
Osipov, V.Z. - Unsteady flow of a viscous liquid in a cylindrical tube taking the inlet cross section into account. p.167.
Maruashvili, T., Gamkhitashvili, L., Beradze, M. - Use of electric models in solving nonlinear equations. p.175.
Parulava, B.V. - Method for the statistical determination of errors. p.183.
Fain, S.B. - Some problems of computer arithmetic in a system of residual classes. p.191.
Fain, S.B. - Use of a system of residual classes in nomography. p.203.
Manlia, G.M. - Quadratic error in estimating the normal distribution densities from two samples. p.213.
Kandelaki, N.P. - A limit theorem in Hilbert space. p.217.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia matematicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Sereis]. Moscow, vol.28, no.1, Jan.-Feb. 1964.

Table of contents translated:
Serre, Jean-Pierre. - Groups of congruence of Abelian varieties [in French]. p.3.
Tiurin, A.N. - Classification of two-dimensional vector bundles over an algebraic curve of arbitrary type. p.21.
Muromskii, A.A. - Convergence of certain series in trigonometric functions. p.53.
Levitan, B.M. - Definition of a Sturm - Louiville differential equation by two spectra. p.63.
Martirosian, R.M. - Invariance of the spectrum of slight perturbations of a polyharmonic operator. p.79.
Shmel'kin, A.L. - Free polynilpotent groups. p.91.
Shur, M.G. - Additive functionals of Markov processes and excessive functions. p.123.
Badalian, G.V.- Certain general properties of a quasi-power series. p.147.
Moishezon, B.G. - Criterion of the projectivity of complete abstract algebraic varieties. p.179.
TSalenko, M.S. - Isomorphisms of nilpotent products of nilpotent p-groups. p.225.
Karatsuba, A.A. - Trigonometric sums of a special type and their applications. p.237.

Vol.28, no.3, May-June 1964.

Table of contents translated:
Boltianskii, V.G. - Sufficient conditions of optimality and the foundations of the method of dynamic programming. p.481.
Timan, A.F. - Nonlinear functional equation in a class of functions convex on the semiaxis. p.515.
Gasymov, M.G., Levitan, B.M. - Asymptotic behavior of the spectral function of a Schrödinger operator near a plane piece of the boundary. p.527.
Garkavi, A.L. - Uniqueness of the solution to the L-problem of moments. p.552.
Rukolaine, A.V. - Some arithmetic properties of modular characters of p-solvable groups. p.571.
Berkovich, IA.G. - Existence of subgroups in a finite unsolvable group. p.583.
Alenitsyn, IU.E. - Conformal mappings of a multiply connected region onto multivalent cononical surfaces. p.607.
IAkovlev, A.V. - Problem of the imbedding of fields. p.645.
Bashmakov, M.I. - Divisibility of the main uniform spaces over Abelian varieties. p.661.
Solonnikov, V.A. - General boundary value problems for systems elliptic in the sense of A. Douglis - L. Nirenberg. Part 1. p.665.
Borovich, Z.I. - Multiplicative group of a regular local field with a cyclic group of operators. p.707.
Talalian, A.A. - Complete systems of absolute convergence in a weak sense. p.713.

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi tekhnike [ACADEMY OF SCIENCES OF THE U.S.S.R. Computation Center. Reports on Computer Technology]. Moscow, no.3, 1964.

Contents: Toropov, V.S. [Some problems in magnetic polarity reversal in ferrites in particular cycles of the hysteresis loop] Nekotorye voprosy peremagnichivaniia ferritov po chastnym tsiklam petli gisterezisa. 21 p.

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2 [ACADEMY OF SCIENCES OF THE U.S.S.R. Computation Center. Standart Programs for the BESM-2]. Moscow, no.7, 1964.

Contents: Bochek, I.A. [Program for calculating eigenvalues and eigenvectors of a symmetrical matrix] Programma vychisleniі sobstvennykh znachenii i sobstvennykh vektorov simmetricheskoi matritsy. 23 p.

CHEKHOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii institut Chekhoslovatskoi akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol.14(89), no.2, 1964.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol.63(105), no.4, Apr. 1964.

Table of contents translated:
Zhizhiashvili, L. V. - Certain properties of (C,α) mean values of Fourier series and conjugate trigonometric series. p.489.
Lizorkin, P.I. - Hirschman type functions and the relations between B^rp (E_n) and L^rp (E_n) spaces. p.505.
Simonenko, I.B. - Interpolation and extrapolation of linear operators in Orlicz spaces. p.536.
Livshits, A.Kh., TSalenko, M.S., Shul'geifer, E.G. - Manifolds in categories. p.554.
Raikov, D.A. - Free locally convex spaces of uniform spaces. p.582.
Derguzov, V.I. - Stability of solutions of Hamilton equations with infinite periodic operator coefficients. p.591.
Talalian, A.A. - Transposed trigonometric systems being systems of convergence in a weak sense. p.620.
Khokhriakov, A.IA. - Periodic boundary value problem for a third-order differential equation. p.639.
Kazachkov, B.V. - Letter to the editor. p.646.

Vol.64(106), no.1, May 1964.

Table of contents translated:
Myshkin, V.I. - Homogeneous separable torsionless groups. p.3.
Mikhailov, V.P. - First boundary value problem for certain semibounded hypoelliptic equations. p.10.
Vinogradov, A.I. - The sieve method in algebraic fields. Lower bounds. p.52.
Egorov, IU.V. - Necessary conditions of optimum control in Banach spaces. p.79.
Bakhtin, I.A. - Existence of eigenvectors in linear positive not perfectly continuous operators. p.102.
Gol'dengershel', E.I. - Spectrum of a Volterra operator on a semiaxis and the exponential increase of solutions to systems of Volterra type integral equations. p.115.
Leontovich, E.A. - Letter to the editor concerning N.F. Otrokov's article on "Multiple boundary cycles." p.140.
Billevich, K.K. - Theorem on the identities of algebraic fields of the n-th order. p.145.

MATEMATIKA; periodicheskii sbornik perevodov inostrannykh statei [MATHEMATICS; Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol.8, no.3, May-June 1964.

MOSCOW. UNIVERSITET. Vestnik. Seriia 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. Vol.19, no.3, May-June, 1964.

Table of contents translated:
Harnack's inequality for solutions of second-order elliptic differential equations. p.3.
Livshits, M.I. - Uniqueness of expansion in a trigonometric series for summing methods. p.15.
Kuznetsov, N.N., TSi Chzhun-tao [Ch'i Chung-t'ao]. Uniqueness theorem in the theory of hyperbolic quasi-linear equations. p.25.
Ivanova, O.A. - Direct powers of unary algebras. p.31.
Korotkina, M.R. - Models of fluid media and solid bodies derived from a kinetic equation for an averaged field of force. p.39.
Prikazchikov, G.P. - Stability of the flow of a viscoplastic medium between two planes with a slit. p.51.
Rozov, N.Kh. - Asymptotic theory of relaxation oscillations in systems with a single degree of freedom. Part 2: Calculation of the limit cycle period. p.58.
Eroshin, V.A. - Motion of a slender body in a liquid of variable depth. p.66.
Morozov, V.M. - Case of stability of the unsteady motion of a top on a plane. p.70.
Borisenok, I.T. - Control system with doubling actuating organs in the presence of dry friction. p.75.
Vol'pert, E.G. - Letter to the editor. p.87.
Kalinin, S.V. - Second All-Union Conference on Theoretical and Applied Mechanics. p.90.
Vasil'ev, A.M., Laptev, G.F. - Sergei Pavlovich Finikov; obituary. p.92.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS; MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.5, no.3, May-June 1964.

Table of contents translated:
Anishchenko, R.I. - A boundary value problem. p.481.
Berkovich, IA.G. - Some criteria of π-solvability and π-simplicity of finite groups. p.493.

Egorov, A.I. - A variational problem in the theory of elliptic differential equations. p. 500.
Zabreiko, P.P., Krasnosel'skii, M.A. - Calculating the index of a fixed point in a vector field. p. 509.
Zarelua, A.V. - Continuation of mappings onto extensions having certain special properties. p. 532.
Kaz'min, IU.A. - A criterion of completeness. p. 549.
Kislitsyn, S.S. - Determination of the k-th element of an ordered aggregate by means of coupled comparisons. p. 557.
Kuz'minov, V.I., Shvedov, I.A. - Cohomology groups of uniform spaces. p. 565.
Lavrent'ev, M.A. - Theory of mappings of three-dimensional regions. p. 596.
Lavrent'ev, M.A. - A sewing problem. p. 603.
Litvinchuk, G.S., Khasabov, E.G. - One type of singular integral equations. p. 608.
Perevalov, G.E. - Analytic expression for the linear measure of a plane connected set. p. 626.
Savel'ev, L.IA. - Extension of measures in continuity. p. 639.
Frenkel', V.I. - Effective partial ordering of finitely presented groups. p. 651.
Shevrin, L.N. - Subsemigroup structure characteristics of commutative nonperiodic groups. p. 671.
Shmidov, F.I. - Properties of derivative and approximate derivative numbers of finite functions. p. 679.
Gorst, IU.G., Elin, M.V. - A property of almost converging sequences. p. 712.
Kalandiia, A.I. - Approximate conformal mapping of singly connected domains. p. 717.
Mysovskikh, I.P. - Cubature formulas for calculating integrals from the surface of a sphere. p. 721.
Tikhonov, V.A. - A class of congruences of spheres. p. 724.
Shevrin, L.N. - Remarks on the article "Structural properties of semigroups." p. 727.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 19, no. 1(115), Jan.-Feb. 1964.

Table of contents translated:

Ul'ianov, P.L. - Solved and unsolved problems in the theory of trigonometric and orthogonal series. p. 3.
Gokhberg, I.TS. - Factorization problem in normed rings, functions of isometric and symmetric operators, and singular integral equations. p. 71.
Smale, S. - Review of some recent advances in differential topology. p. 125.
Blank, IA.P., Motornyi, L.T. - Translation surfaces of an elliptic space carrying two translation nets. p. 139.
Brodskii, M.S., Shmul', IU.L. - Invariant subspaces of a linear operator and the divisors of its characteristic function. p. 143.
Dragilev, M.M. - A class of functions analytic in multiply circular domains. p. 151.
Ladokhin, V.I. - Calculation of continual integrals of the functionals

$$\Phi[\int_0^T a_1(\tau)dx(\tau);\ldots;\int_0^T a_m(\tau)dx(\tau)].$$ p. 155.

Levitan, B.M. - Calculation of the regularized trace for a Sturm-Louiville operator. p. 161.
Leindler, L. - Absolute convergence of trigonometric series. p. 167.
Likht, M.K. - Remark on the Paley - Wiener theorem on integral functions of finite power. p. 169.
Timan, A.F. - Order of growth of ε-entropy of spaces of real continuous functionals defined on a connected compact. p. 173.
Ushakov, V.I. - Bicompact generated groups. p. 179.
Fan Dyk-Tin'. - Functionals concentrating on a surface. p. 183.
Shain, B.M. - One-sided nilpotent semigroups. p. 187.
Vladimir Semenovich Fedorov; on his 70th birthday. p. 191.
Meetings of the Moscow Mathematical Society. p. 197.
Summaries of papers accepted for publication by the Moscow Mathematical Society. p. 199.
Meetings of the Leningrad Mathematical Society. p. 209.
Kargapolov, M.I. - Fifth All-Union Colloquium on Universal Algebra. p. 215.
Kirillov, A.A. - Symposium on Algebraic Groups and their Representations. p. 225.
Mitropol'skii, IU.A., Trokhimchuk, IU.IU. - Summer mathematics school at Kanev. p. 229.
Gabovich, E.IA. - Algebraic summer school at Kaariku. p. 232.
Markovina, N.I. - Candidate dissertations. p. 235.
Fomin, S.V. - "Elements of linear algebra and linear programming" by M.I. Romakin. p. 243.
Kalinina, L.P. - New books on mathematics. p. 245.

Vol. 19, no. 2(116), Mar.-Apr. 1964.

Table of contents translated:

Levitan, B.M., Gasymov, M.G. - Definition of a differential equation by two spectra. p. 3.
Mitiagin, B.S., Shvarts, A.S. - Functors in categories of Banach spaces. p. 65.
Dondi, I.L. - The A-integral and generalized functions. p. 131.
Zakharíuta, V.P., IUdovich, V.I. - General form of a linear functional in H'_p. p. 139.
Kogalovskii, S.R. - Frink's theorem. p. 143.
Kogalovskii, S.R. - Linearly complete ordered sets. p. 147.
Petrov, I.M. - Order of approximation of class Z_1 functions by linear positive polynomial operators. p. 151.
Polishchuk, E.M. - The functional Laplacian and parabolic equations. p. 155.
Polishchuk, E.M. - Linear equations in functional Laplacians. p. 163.
Stepanets, G.F. - Basic systems of vector cycles with extremum properties in graphs. p. 171.
Shestakov, V.I. - Mutual relations between certain three-valued logical calculi. p. 177.
Aleksandrov, P.S., Vainshtein, I.A., Rozovskii, M.S. - M.A. Kreines; on his 60th birthday. p. 183.
Meetings of the Moscow Mathematical Society. p. 191.
Abstracts of papers accepted for publication by the Moscow Mathematical Society. p. 197.
Taitslin, M.A. - Meetings of the Siberian Mathematical Society. p. 207.
Kontorovich, P.G. - Meetings of the Ural'sk Mathematical Society. p. 209.
Kulikov, L.IA., Mishina, A.P., Skorniakov, L.A. - Colloquium on Abelian Groups. p. 225.
Khaplanov, M.G. - Seventh All-Union Conference on the Theory of Functions of Complex Variables. p. 233.
Daniliuk, I.I., Ovsiannikov, L.V. - Soviet - American Symposium on Partial Differential Equations. p. 241.
Morkovina, N.I. - Defense of dissertations on mathematics. p. 251.
Kalinina, L.P. - New books on mathematics. p. 253.
Information about the Second Geometric Conference. p. 257.

ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb., 1964.

Table of contents translated:

Mysovskikh, I.P. - Derivation of cubature formulas for simple regions. p. 3.
Koromyslichenko, V.D. - Direct and inverse problems of the algebraic minimax. p. 15.
Maslennikov, M.V., Sushkevich, T.A. - Asymptotic properties of the solution to the characteristic equation in the theory of radiation transfer in strongly absorbing media. p. 23.
Chuianov, V.A. - Inverse problem in the nuclear reactor theory. p. 35.
Pshenichnyi, B.N. - Numerical method for determining the optimum fast-response control setup for linear systems. p. 52.
Belotserkovskii, O.M., Dushin, V.K. - Supersonic flow of a nonequilibrium gas stream past blunt-nosed bodies. p. 61.
Popov, V.N., and others. - Programming program. p. 78.
Shura-Bura, M.R., Liubimskii, E.Z. - The ALGOL-60 translator. p. 96.
Smirnov, IU.I. - Construction of a forbiddance matrix for an operator scheme with applications to the memory. p. 113.
Bakhtin, I.A. - An extremum problem. p. 120.
Grossman, D.P. - Some sufficient conditions for the convergence of Seidel's method. p. 136.
Shafiev, R.A. - Iterative processes. p. 130.
Kunert, F. - Iterative methods for finding the eigenvalues of self-adjoint operators. p. 143.
IAkovlev, M.N. - Solution of a system of nonlinear equations by the method of parametric differentiation. p. 146.
Osipov, S.I. - Factorization of a polynomial of Bessel operators. p. 149.
Melamed, V.G. - Method for the numerical solution of a boundary value problem for the equation $y'' - p(x)y' - q(x)y = 0$ on a ray. p. 156.
Samarskii, A.A. - High-order correct difference scheme for the heat conduction equation with several spatial variables. p. 161.
Moskalev, O.B. - Critical behavior of a reactor with nonlinear coupling between temperature and the neutron flux in the approximation of a single-velocity transfer equation. p. 166.
IAroshevskii, V.A., Voeikov, V.V. - Method for accelerating the computation of fast quasi-periodic motions by digital computers. p. 168.
Minailos, A.N. - Calculating a supersonic gas flow past a blunt-nosed solid of revolution at the angle of attack. p. 171.
Pavlovskii, IU.N. - Numerical calculation of a plane laminar boundary layer in a compress[illegible] gas on a blunt plate. p. 178.
Shmidt, A.G. - Gravitational and capillary wa[illegible] the surface of a spherical layer of a viscous gravitating liquid. p. 183.
Popov, V.N. - Programming system in standard programs. p. 189.
Klokachev, I.V. - Refinement of the normalized writing of numbers with a floating point in dig[illegible] computers. p. 192.
Supplement to "Report on ALGOL-60." p. 195.
Suggestions on ALGOL-60 (Rome) issues. p. 19[illegible]
Kurochkin, V.M. - Meeting of the Group on Programming Automation for Medium-Type Computers. p. 205.
Latyshev, V.N. - "Linear algebra and matrix theory" by E.D. Nering. p. 205.
Semendiaev, K.A. - "Methods of mathematical analysis and computation" by J.G. Herriot. p. 206.
Kerimov, M.K. - "An introduction to the calculus of variations" by L.A. Pars. p. 206.
Gakhov, F.D. - "Mathematical methods in phys[illegible]" by L. Schwartz. p. 207.
Malkov, U.Kh. - "Elementary mathematics of programming" by R.W. Metzger. p. 20[illegible].

Vol. 4, no. 3, May-June 1964.

Table of contents translated.

Bakhvalov, N.S. - Hypothesis of the [illegible] round-off errors in numerical integration. p. [illegible]
Vainikko, G.M. - Asymptotic estimates of the er[illegible] of projection methods in the eigenvalue problem. p. 405.
Gorbunov, A.D., Shakhov, IU.A. - Approximate solution to the Cauchy problem for ordinary differential equations with a predetermined number of correct signs. Part 2. p. 426.
Klötzler, R. - Use of a new reduction method in the problem of eigenvalues for partial differential equations. p. 434.
Lebedev, V.I. - Difference analogs of orthogonal series of fundamental differential operators and certain boundary value problems in mathematical physics. Part 1. p. 449.
Volkov, E.A. - Use of a Lagrange interpolation polynomial in solving Dirichlet's problem for [illegible] equation by the method of differences. p. [illegible]
[illegible], I.A., Gorbunov, G.K. - [illegible] spherical harmonics in the problem of [illegible] parameters. p. 473.
Moiseev, N.N. - Dynamic programming [illegible] the theory of optimal equations. Part 1. p. 48[illegible]
Kovlyakov, P.P. - Numerical calculation of [illegible] turbulent mixing of two homogeneous [illegible] p. 495.
Alekseev, B.V. - Laminar boundary layer [illegible] sublimating surface. p. 512.
Osipova, M.A., Shreider, IU.A. - [illegible] the basis of control layers and the [illegible] digital computers. p. 526.
Martyniuk, V.V. - Economical organization [illegible] ing and recording of information in the case of excess storage. p. 536.
Kublanovskaia, V.N. - Reduction of any matrix [illegible] three-diagonal shape. p. 541.
Kogan, T.I. - Construction of high order iteration processes for systems of algebraic and transcendental equations. p. 545.
Lavrov, S.S. - Approximation of functions of several variables using the method of least squares. p. 547.
Ermakov, S.M. - Random quadrature formulas of high precision. p. 550.
Aksen', M.B. - Estimated approximation by quadrature formulas for certain classes of functions. p. 554.
Fedorenko, R.P. - Rate of convergence of an iterative process. p. 559.
Tikhonov, A.N., Glasko, V.B. - Approximate solution of Fredholm integral equations of the first kind. p. 564.
Kuznetsov, N.N. - Uniqueness of the solution to a hyperbolic system of linear equations with discontinuous coefficients. p. 571.
Tun, Van. - Estimates of solutions to boundary value problems for a general elliptic equation of second order with discontinuous coefficients. p. 577.
Samarskii, A.A. - An economical algorithm for the numerical solution of systems of differential and algebraic equations. p. 580.
Omarov, E.O. - Use of the method of straight lines in the approximate solution of a partial elliptic differential equation. p. 585.
Sragovich, V.G. - Numerical solution of the Cauchy problem for second-order linear parabolic equations. p. 592.
Erukhimovich, IU.A., Pimenov, IU.V. - Calculation of a specific integral containing Bessel's function. p. 596.

Moskalev, O.B. - Critical operating conditions of a reactor with a nonlinear relation between the neutron flux and the temperature in multigroup approximation. p.599.

Fonarev, A.S. - Numerical calculation method and solution of the problem of the dispersion of a two-dimensional layer of gas with continuous unsteady energy release. p.604.

Mikhailov, G.K. - International symposium on the applications of the theory of functions in solid state mechanics. p.611.

Kerimov, M.K. - "University calculus" [in English] by H.E. Taylov, L.T. Wade. p.614.

Bakushinskii, A.B., Gaisarian, S.S., Gorbunov, A.D. - "Numerical solution of ordinary and partial differential equations" [in English] edited by L. Fox. p.615.

Gruska, J. - "Annual review in automatic programming" [in English] edited by R. Goodman. p.617.

Balakovskii, IU.M. - "Basic matrix algebra and transistor circuits" [in English] by G. Zelinger. p.619.

Tenengol'ts, G.M. - Materials of the First and Second Colloquia on the Theory of Relay Networks [in German]. p.621.

f. PHYSICS

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Physicomathematical Sciences]. Alma-Ata, no.2, 1963. IAdernaia fizika [Nuclear Physics].

Table of contents translated:

Leper, D.P. - Quadrupole oscillations of axial nuclei in the representation of second quantization. p.3.

Korsunskii, M.I., Grechko, E.A., Khrol', A.I. - Dependence of the relaxation time of the anomalous photoconductivity of selenium on the wavelength, and the electron bonding energy in long-lived traps. p.14.

Akkerman, A.F., Vil'kovskii, E.IA., Chekanov, V.N. - Use of the method of gamma-quantum resonance scattering in determining the lifetime of the second excited state of nuclei. p.19.

Korsunskii, M.I. - Nature of the anomalous photoconductivity of amorphous selenium. p.31.

Starikov, V.N. - Types of threshold resonances. p.40.

Pantiushin, A.A., Starikov, V.N., Granovskii, IA.I. - "Threshold" origin of inelastic resonances. p.48.

Burmistrov, V.R., Didorenko, V.A. - Characteristics of a pile-up pulse spectrometer. p.52.

Ekaterinin, V.V., Zhernovoi, A.I., IAkovlev, G.I. Nuclear magnetic resonance spectrometer in a weak field. p.58.

Zhernovoi, A.I., Rukhin, A.B. - Setup for measuring the spin-lattice relaxation time in nuclei of a liquid in contact with a powder. p.63.

Korsunskii, M.I., Genkin, IA.E. - Change in the character of the bonding forces in the system niobium - nitrogen. p.70.

Zhumartbaev, M.T. - Problem of the collision of two high-energy bodies, and the effect of interaction between heavy particles and a vector meson field on the energy spectrum of secondary particles. p.76.

San'ko, L.A., Usik, P.A. - Analyzing the asymmetry of the angular distribution of shower particles. p.82.

Sharapov, K.V., and others. - Multiple scattering of 19.8 Bev./c protons in a nuclear emulsion. p.94.

* AKADEMIIA NAUK SSSR. Izvestiia. Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol.28, no.5, May 1964. Materialy VII soveshchaniia po rentgenovskoi spektroskopii [Materials of the 7th Conference on X-ray Spectroscopy].

Table of contents translated:

Shuvaev, A.T. - Determining the size of the charge of ions in compounds of elements of the third period according to X-ray emission spectra. p.758.

Lukirskii, A.P., Zimkina, T.M. - $L_{II,III}$ absorption spectra of potassium and chlorine in KCl. p.765.

Lukirskii, A.P., Zimkina, T.M., Brytov, I.A. - Fine structure of X-ray M-absorption edges of krypton and N-absorption edges of xenon. p.772.

Blokhin, M.A., Nikiforov, I.IA. - Shape of the $K_{\alpha 1,2}$ lines of elements of the iron group. p.780.

Nikiforov, I.IA., Blokhin, M.A. - Shape of K-bands of X-ray emission spectra of transition metals in the iron group. p.786.

Barinskii, R.L., Maliukov, B.A. - X-ray K-absorption spectra of Ca^{2+}, K^{+}, and Cl^{-} ions in water. p.790.

Shveitser, I.G., Nikiforov, I.IA., Sachenko, V.P. - Energy spectrum of metallic niobium. p.797.

Blokhin, M.A., Shuvaev, A.T., Gorskii, V.V. - X-ray spectral examination of the chemical bonding in sulfur compounds. p.801.

Barinskii, R.L., Maliukov, B.A. - Stark-effect in X-ray K-absorption spectra of chlorine compounds. p.805.

Troneva, N.V. - Nature of the fine structure of L_{III} absorption spectra of certain rare-earth elements in oxides and hexaborides. p.809.

Maizel', A. - Effect of chemical bonding on the $K_{\alpha 1,2}$-doublet in Co and Ni. p.811.

Nefedov, V.I. - Multiplet structure of $K_{\alpha 1,2}$ lines in transition elements. p.816.

Shuvaev, A.T., Zyrianov, V.G., Gorskii, V.V. - K-fluorescence spectrum of calcium in some compounds. p.823.

Demekhin, V.F., Blokhin, M.A. - Fluorescent spectra of silicon in certain compounds. p.825.

Blokhin, M.A., Demekhin, V.F. - Emission spectra of scandium in Sc_2O_3. p.830.

Korsunskii, M.I., Genkin, IA.E. - X-ray emission bands and the magnetic properties of niobium. p.832.

Blokhin, M.A., Demekhin, V.F., Shveitser, I.G. - L-spectra of certain molybdenum compounds. p.834.

Zimkina, T.M., Ershov, O.A., Lukirskii, A.P. - M-emission bands in Zr, Nb, and Mo and certain chemical compounds of these elements. p.836.

Lukirskii, A.P., Brytov, I.A. - L-emission spectra of titanium, titanium dioxide, chromium, and chromium oxide. p.841.

Domashevskaia, E.P., Ugai, IA.A. - $L_{\beta 2,15}$-emission spectra of cadmium and antimony in certain semiconducting compounds. p.853.

Narbutt, K.I. - Excitation of the spectrum by a monochromatic X-ray beam in local fluorescent analysis. p.857.

Borovskii, I.B., Kupriianova, T.A. - Applying corrections in plotting concentration curves from diffusion layers. p.863.

Lukirskii, A.P., and others. - Efficiency of secondary-electron multipliers with Au, LiF, MgF_2, SrF_2, BeO, KCl, and CsI photocathodes within the wavelength range 23.6 ÷ 113 Å. p.866.

Ditsman, S.A. - Optimum position of the radiation source in an X-ray spectrograph. p.872.

Nikol'skii, A.P. - Some practical formulas for calculating the fluorescence intensity induced by a polychromatic X-ray beam. p.877.

Pivovarov, A.V. - Approximate calculation of the integral determining the intensity of X-ray fluorescence by a continuous spectrum. p.880.

Bezirganian, P.A. - Dependence of the integral intensity of reflected X-ray waves on the duration of coherent radiation of the source. p.882.

Kozlenkov, A.I. - Calculating the fine structure of the X-ray K-absorption spectrum for copper. p.885.

Batyrev, V.A. - Asymptotic dispersion phases for metals of the iron transition group and for alloys of the copper - nickel system. p.897.

Sharkin, O.P. - Temperature effect on the fine structure of X-ray K-absorption spectra of potassium halides. Part 1. p.906.

Ronami, G.N., Borovskii, I.B., Puchkova, A.K. - Effect of temperature and minor impurities on the shortwave fine structure of the absorption spectrum of pure zinc and its alloys with silver. p.914.

Ronami, G.N., Sharkin, O.P. - Temperature-dependent thawing of the shortwave fine structure of X-ray K-absorption spectra of pure metals. Part 2. p.919.

Gusatinskii, A.N., Nemnonov, S.A. - L_{m}-absorption spectra of antimony and K-absorption spectra of phosphorus in $A^{III}B^{V}$ type binary semiconducting compounds. p.922.

Shuvaev, A.T., Chechin, G.M. - Interpretation of line displacements in the K-series of transition elements. Wave functions for three atomic configurations of titanium. p.934.

* AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, no.5, May 1964.

Table of contents translated:

Berson, I.S. - Development of the physical foundations of seismic prospecting methods. p.625.

Ivanova, T.G., Vasil'ev, IU.I. - Selecting the optimum characteristics of apparatus in recording the head waves emanating from the crystalline basement. p.636.

Gumaniuk, M.N. - Remote identification of rocks and coals from the attenuation of undirected ultrasonic oscillations. p.654.

Grudeva, N.P. - Properties of the boundary of the earth's core. p.665.

Gostev, M.A., Fedotov, S.A. - Spectral characteristics of the foreshocks and aftershocks of the catastrophic earthquake of November 6, 1958. p.675.

Vinnik, L.P., Pruchkina, N.M. - Structure of short-period microseisms. p.688.

Kalashnikov, A.G. - Measurement with respect to time of the spatial gradients of short-period variations of the geomagnetic field. p.701.

Chekin, B.S. - Reflection of an elastic spherical wave from a nonuniform half-space. p.711.

Radzhabov, M.M. - Kinematic criteria for the identification of refracted waves in a region of overlapping transverse hodographs. p.718.

Malamud, A.S. - Classification of earthquakes according to the duration of the tremors. p.728.

Tarakanov, IU.A. - Linear methods for smoothing out random processes in gravity measurements while in motion. p.733.

Bondarenko, A.T. - Dielectric constants of rocks at pressures up to 50,000 kg./cm.² and temperatures up to 400°.

Kutasov, I.M. - Restoration of the temperature field of rocks after boring a well. p.742.

Milanovskii, E.E., Sorskii, A.A. - Out-of-town session of the Scientific Council in Tbilisi on the subject "Structure and Evolution of the Earth." p.747.

Marchuk, G.I. - Theoretical model of short-term weather forecasting. p.754.

Musaelian, Sh. A. - Some exact solutions to the transfer equation and their application to problems of the physics of undulatus. p.765.

Golubeva, V.N. - Formation of the temperature field in an interstratified sea. p.773.

Golitsyn, G.S. - Mechanism underlying radiative heat conductivity. p.782.

Morozov, V.M. - Primary scattering of light at twilight. p.787.

Liubovtseva, IU.S. - Apparatus for aureole measurement in the field. p.794.

AKADEMIIA NAUK SSSR. Institut fiziki Zemli. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics of the Earth. Transactions]. Moscow, no.29(196), 1963. Eksperimental'nye issledovaniia po gravimetrii [Experimental studies on gravimetry].

Table of contents translated:

Popov, E.I. - Use of gravimeters in measuring the acceleration of gravity in the air. p.3.

Romaniuk, V.A. - Relative determinations of the acceleration of gravity by an elastically suspended pendulum. p.53.

Romaniuk, V.A. - Effect of the way of attachment of the upper part of the elastic plane suspension of a pendulum on its period. p.67.

Romaniuk, V.A. - Precision of the adjustment and leveling of gravimeters with horizontal elastic suspensions. p.74.

Tulin, V.A. - The GAE-4 gravimeter. p.85.

Tulin, V.A. - Effect of the external temperature on the elastic system of a GAE-3 gravimeter. p.94.

Tulin, V.A. - Analysis of two circuits for measuring slight temperature changes. p.102.

Tulin, V.A. - Comparative evaluation of thermostats with different principles of action. p.112.

Tulin, V.A. - Instrumental and field precision of a quartz gravimeter with horizontal torsion suspension. p.122.

Savchenko, A.A. - Study on contact thermometers. p.134.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. Tashkent, vol.7, no.6, 1963.

Table of contents translated:

Twentieth anniversary of the Academy of Sciences of the Uzbek S.S.R. p.5.

Karimberdiev, S. - Estimation of the error incurred in solving the Poisson equation by various methods. p.7.

Loginov, B.V. - Determining the exactness of the perturbation method. p.14.

Salikhov, G.N. - Harmonic polynomials and spherical functions in four-dimensional space. p.21.

Salikhov, G.N. - Cubature formulae on a four-dimensional sphere, which are invariant relative to the transformations of finite rotation groups. p.25.

Turaev, A.T. - Qualitative analysis of the equation

$$\frac{dy}{dx} = \frac{-x^5 + Px^2y + Qxy^2 + My^3}{y + Ax^3 + Bx^2y + Cxy + Dy^3}$$

in the large. p.30.

Azimov, S.A., Karimova, R., Lozhkin, O.V. - Angular correlations of fragments and light particles in nuclear fission. p.35.

Azimov, S.A., Gorichev, P.A., Karimova, R. - Multiplicity of fragment formation at an incident proton energy of 660 Mev. p.40.

Starodubtsev, S.V., Vakhidov, Sh.A. - Electron paramagnetic resonance spectra of γ-irradiated germanium-activated quartz crystals. p.46.

Alimov, A.D., Khodzhaev, L.Sh. - Integral equation describing pion-pion photoproduction. p.51.

Sharipov, Sh. - Theory of excited states of odd nuclei with slight nonaxiality. p.58.

Kromer, P.F. - Allowing for Peierls's forces in dislocation theory of elasticity. p.63.

Azizov, M. - Theory of tunnel diodes. p. 75.
Musaev, P. Kh. - Theory of electroconductivity and the Hall effect in valence semiconductors in the presence of electric and magnetic fields. p. 80.
Atakhodzhaev, A. K., Faizullaev, Sh. F., Osmanov, S. A. - Orientational relaxation times of molecules of certain disubstituted benzenes and their determination by the light diffusion method. p. 86.
Morozova, M. I., Chernysheva, O. N. - Aerosynoptical analysis of long-lived isotach maxima in arctic-front jet streams in January 1960. p. 91.
Leeshkina, G. V., and others. - Fluorescence of silicon carbide. p. 93.
Nozdrev, V. G., Belinskii, B. A., Khabibullaev, P. K. - Ultrasonic wave adsorption in a water – formic acid mixture. p. 99.
Kashirskaia, I. V. - Determining the concentration of optically active defects in ZnS. p. 101.

Vol. 8, no. 1, 1964.
Table of contents translated:
Implementation of the decisions of the December Plenum of the Central Committee of the CPSU. p. 5.
Kukles, I. S., Khasanova, M. - Behavior of the characteristics of a differential equation on a plane in the large. p. 6.
Mamatov, M., Khalikov, M. K. - Total limit theorems for densities in the n-dimensional case. p. 13.
Subkhankulov, M. A. - Littlewood's theorem. p. 22.
Shustrov, V. A., Khasanov, R. M., Aiukhanov, A. Kh. Nonequilibrium vaporization of tantalum. p. 31.
Aliiaev, Sh. A., Vinokurova, T. Z. - Probing methods for studying the parameters of a high-frequency plasma. p. 35.
Aronov, D. A. - Volt-ampere characteristics of semiconductor diodes at high injection levels. p. 42.
Saidov, M. S., Abramian, IU. A., Atakhodzhaev, I. K. - Silicon tunnel diodes. p. 49.
Gruich, D. D., and others. - Studying the secondary ion emission during the bombardment of metals by low-energy ions. p. 53.
Arushanov, G. G. - Analysis of Compton scattering on protons using an isobaric model. p. 61.
Aliev, M. K., Grigor'iants, A. G., Khodzhaev, L. Sh. Equations for π N-scattering amplitudes in the low energy region. p. 67.
Starodubtsev, S. V., Liutovich, A. S., Prutkin, V. P. - Phosphorus diffusion in high-purity polycrystalline silicon. p. 77.
Inogamova, S. I. - Characteristics of the vertical temperature distribution and its diurnal variation over North America. p. 82.
Beter, E. V., Guliamov, U. G. - Role of $\pi\pi$-interaction in the formation of Feretti "triplets" p. 90.
Starodubtsev, S. V., IUnusov, M. S. - Effect of gamma radiation on certain optical properties of synthetic ruby. p. 92.
Leiderman, A. IU., Karageorgii-Alkalaev, P. M. - Effect of a blocking contact on the volt-ampere characteristic of a semiconductor diode. p. 94.

*AKUSTICHESKII ZHURNAL [JOURNAL OF ACOUSTICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 10, no. 2, 1964.
Table of contents translated:
Chaban, A.A. - Amplification of ultrasonic and hypersonic waves in crystals. p.137.
Bazhenov, D.V. - Shortcomings of spectrum analysis by means of harmonic analyzers and ways for their elimination. p.147.
Bogorodskii, V.V. - Elastic moduli of ice crystals. p.152.
Gershenzon, E.L., Eknadiosiants, O.K. - Atomization of liquids in an ultrasonic fountain. p.156.
Zharkov, K.V., Merkulov, L.G., Pigulevskii, E.D. - Attenuation of normal waves in a plate with free boundaries. p.163.
Zavadskii, V.IU. - Critical frequencies in sound propagation across a liquid layered nonuniform half-space bounded by a thin elastic plate. p.167.
Komissarov, V.M. - Amplitude and phase fluctuations and their correlation in the propagation of waves across a medium of random statistically anisotropic inhomogeneity. p.174.
Konenkov, IU.K. - Diffraction of a deflective wave on a circular obstacle in a plate. p.186.
Kurkin, V.P. - Mechanism of sound generation in gas-jet acoustic radiators. p.191.
Kur'ianov, B.F. - Coherent and incoherent scattering of waves by an array of point scatterers randomly distributed in space. p.195.
Lysanov, IU.P. - Edge effect of a large radiator. p.202.
Merkulov, L.G. - Attenuation of normal waves in submerged plates. p.206.
Mikhailov, I.G., Rozina, M.V., Shutilov, V.A. - Sound velocity and the compressibility of solutions of salts of inorganic acids in formamide. p.213.
Nikiforov, A.S. - Radiation from a finite plate with random boundary conditions. p.218.
Ol'shevskii, V.V. - Statistical spectra of sea reverberation. p.224.
Shenderov, E.L. - Sound transmission through a thin plate on supports. p.229.
IAblonik, L.M. - Effect of an electric load on the performance of a multilayer transducer. p.234.
Baidedaev, A. - A particular case of relaxation through the exchange of oscillation quanta. p.239.
Bashlachev, IU.A., IAkovlev, V.F. - Oscillatory relaxation in thiophene vapors. p.241.
Vakhitov, IA.Sh. - Highly sensitive infrasonic microphone with a moving coil. p.242.
Domarkas, V.I., IAronis, E.P. - Variable-length ultrasonic interferometer with a discrete frequency spectrum. p.244.
Kur'ianov, B.F. - Effect of a free surface on sound scattering in the sea. p.245.
Liamshev, L.M. - Reflection of sound at the interface of two moving media. p.247.
Makhan'ko, I.G., Nozdrev, V.F. - Ultrasound absorption in the binary mixture benzene - methyl alcohol along the saturation line including the critical region. p.249.
Taborov, V.F. - Variation in ultrasound attenuation in nickel single crystals as dependent on the temperature and magnetic field strength. p.251.
Tonakanov, O.S. - Sound fluctuations in the double reflection from an agitated water surface. p.253.
Druchenko, V.A. - Seminary on ultrasonics in electrolytic metallurgy. p.255.
Borisov, IU. - Use of ultrasound in the food industry. p.256.
Kudriavtsev, B. - Eleventh Scientific Conference on the Application of Ultrasonics to the Study of Matter. p.257.
Borisov, IU. - Scientific Council on the problem of the "Physics of Ultrasound." p.257.
Kalushin, L.P. - "Ultrasound, its physicochemical and biological effects" by I.E.El'piner. p.258.
New books on acoustics. p.260.

CHEKHOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Chekhoslovatskaia akademiia nauk [Czechoslovak Academy of Sciences]. Prague, vol.14, no.7, 1964.

* FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.6, no.4, Apr. 1964.
Table of contents translated:
Samokhvalov, A.A., Rustamov, A.G. - Electric properties of high-resistance nickel-zinc ferrates. p.969.
Fistul', V.I., Omel'ianovskii, E.M., Tatarov, Z.I. - Relation between lattice and impurity scattering in alloyed germanium and silicon. p.974.
Volkov, D.I., Tarasov, B.V., Zelentsova, S.A. - Magnetic properties of glasses with admixtures of manganese, cobalt, and nickel. p.981.
Badenko, L.A. - Use of the electrodiffusion method in studying the behavior of indium and antimony impurities in germanium. p.986.
Indenbom, V.L., Vidro, L.I. - Thermoplastic and structural stresses in solids. p.992.
Regel', A.R., Tagiev, B.G. - Effect of a bismuth impurity on the electroconductivity of polycrystalline selenium in strong electric fields. p.1001.
Aleksandrov, I.V., Kessenikh, A.V. - Theory of spin-lattice relaxation of polymer radicals in a solid. p.1006.
Eremenko, V.V., Zviagin, A.I. - Light absorption by cobalt fluoride crystals near the Neel point. p.1013.
Abdullaev, G.B., and others. - Electric properties of crystalline and liquid selenium after deoxidation. p.1018.
Gubanov, A.I. - Hydrogen diffusion in metals. p.1023.
Gashimzade, F.M., Gubanov, A.I. - Density of electronic states in amorphous semiconductors near the band edge. p.1030.
Arkad'eva, E.N. - Relation between the optical and thermal activation energies of impurities in CdS, CdSe, and CdTe. p.1034.
Govorkov, V.G., and others. - Dislocation theory of the initial stage of deformation in Ge single crystals. p.1039.
Baranskii, P.I., Vinetskii, R.M., Kurilo, P.M. - Anisotropy of the Hall coefficient in p-germanium. p.1048.
Litovchenko, V.A. - Calculating the penetration depth and thermoelectric effect for anisotropic superconductors. p.1051.
Konopleva, R.F., Novikov, S.R. - Electric properties of germanium irradiated by fast neutrons at 77°K. p.1062.
Lipnik, A.A. - Some characteristics of pair coupling producing an exciton and its decay on phonons. Effect of these processes on the behavior of nonequilibrium carriers. p.1068.
Lipnik, A.A. - Entrainment of Mott excitons by current carriers and the effect of zero and negative mobility. p.1075.
Subashiev, V.K., Dubrovskii, G.B., Kukharskii, A.A. - Use of the reflection coefficient in the determination of optical constants and free curre carrier concentration in heavily alloyed semiconducting materials. p.1076.
Shvidkovskii, E.G., Predvoditelev, A.A., Zakharo M.V. - Conditions of growing cadmium whiskers from the vapor phase. p.1082.
Vitman, F.F., Krautman, V.R., Pukh, V.P. - Strength of sheet glass and the size factor. p.10
Paritskii, L.G. - Dependence of steady-state impurity photoconductivity and current carrier lifetime from the Fermi level in a semiconductor. p.109
Semenovskaia, S.V., and others. - Studying the phonon spectrum of nickel by the X-ray diffusion scattering method. p.1100.
Kaner, E.A., Skobov, V.G. - Electromagnetic excitation in metals near cyclotron resonance. p.1104.
Nakhmanson, R.S. - Theory of surface capacity. p.1115.
Vinokurov, V.M., Zaripov, M.M., Stepanov, V.G. - Electron paramagnetic resonance of Mn^{2+} in apatite. p.1126.
Vinokurov, V.M., Zaripov, M.M., Stepanov, V.G. - Paramagnetic resonance of Mn^{2+} ions in diopside crystals. p.1130.
Eremenko, V.V., Popkov, IU.A. - Effect of deformation and a high magnetic field on the exciton absorption of light in CdS crystals. p.1139.
Zhurkin, B.G., Penin, N.A. - Effect of the concentration of impurity atoms on the electron paramagnetic resonance spectrum of donors in silicon. p.1141.
Kogan, L.M., Meskin, S.S., Goikhman, A.IA. - Diffusion of cadmium and zinc in gallium arsenide from the gaseous phase. p.1145.
Shtrakhman, K.M., Piguzov, IU.V. - Temperature and concentration dependences of the relaxation effect in homogeneous substitutional solid solutions of Ag - Cd. p.1152.
Liapin, V.G., Tolpygo, K.B. - Law of E(k) dispersion in hole bands of diamond type crystals for symmetrical directions. p.1158.
Kirgintsev, A.N., Avvakumov, E.G. - Some regularities of the trapping of nonisomorphic impurities during potassium nitrate crystallization from the melt. p.1167.
Zingerman, IA.P., Ishchuk, V.A. - Role of subsurface layer in the interaction of molecular oxygen with a tungsten surface. p.1172.
Bulgakov, IU.V. - Crystal imperfections caused by ion bombardment, and the Wehner effect, p.1182.
Kaliuzhnaia, G.A., and others. - Studying GaP photoconductivity by the noncontact method. p.1189.
Bartenev, G.M., Izmailova, L.K. - High strength and structure of glass fibers. p.1192.
Dobrego, V.P., Ryvkin, S.M. - Jump photoconductivity and impurity recombination. p.1203.
Gusev, I.A., Murin, A.N. - Zinc diffusion in indium antimonide. p.1208.
Nran'ian, A.A. - Theory of finite strains in cubic crystals. p.1213.
Lange, V.N., Lange, T.I. - Anisotropy of the photomechanical effect in antimony and indium antimonide. p.1220.
Drokin, A.I., Laptei, D.A., Ivanov, R.D. - Dynamics of the domain structure of thin ferrite plates as dependent on the magnetic field and temperature. p.1223.
Grinberg, A.A. - Possibility of experimental testing of the relation between the ultrasound absorption coefficient and the electroacoustic current in solids. p.1226.
Volkova, N.V. - Effect of impurities on the temperature dependence of the strength of ionic crystals. p.1229.
Pavlov, P.V., Panteleev, V.A. - Theory of the method of determining the coefficient of diffusion along the surface of crystalline bodies. p.1231.
Telesnin, R.V., Nikitina, T.N. - Effect of anisotropy dispersion on the dynamic properties of thin permalloy films. p.1234.
Bagaev, V.S., and others. - Mechanism underlying the recombination radiation from gallium arsenide. p.1235.
Grechishkin, V.S., Zlatogorskii, M.L. - Effect of impurities on the chemical shift of nuclear magnetic resonance signals from Na^{23} in alkali metal halide crystals. p.1238.
Tutov, A.G., and others. - New compounds in the system Bi$_2$O$_3$—Me$_2$O$_3$(Fe^{3+}, Al^{3+}, Ga^{3+}, Mn^{3+}). p.1240.
Korst, N.N., Savel'ev, V.A., Sokolov, N.D. - Second moment of the nuclear magnetic resonance signal and the structure of ice. p.1242.
Melik-Gaikazian, I.IA., Zavadovskaia, E.K., Ignat'eva, M.I. - Change in the electroconductivity of KCl crystals with divalent impurities following X-ray irradiation. p.1243.
Kristofel', N.N., Tiurkson, E.E. - Determining the properties of vacancy pairs in alkali metal halide crystals. p.1246.

Trubitsyn, A.M., and others. - Nature of electroconductivity in permanganates of alkali metals. p.1249.

Kopvillem, U.Kh., Golenishchev-Kutuzov, V.A., Nagibarov, V.R. - Observability of nuclear quadrupole resonance in the domain walls of ferroelectric substances. p.1251.

Kolesnik, L.I. - Effect of plastic deformation on current carrier mobility in n-germanium. p.1253.

Ornatskaia, Z.I. - Electric properties of oxygen vanadium bronzes. p.1254.

Gusev, I.A., Molkanov, L.I., Murin, A.N. - Diffusion of certain rare-earth elements in germanium. p.1256.

ISSLEDOVANIIA PO UPRUGOSTI I PLASTICHNOSTI [STUDIES ON ELASTICITY AND PLASTICITY]. Issued by Matematiko-mekhanicheskii fakul'tet Leningradskogo gosudarstvennogo universiteta [Faculty of Mathematics and Mechanics of Leningrad State University]. Leningrad, no.3, 1964.

Table of contents translated:

Chernykh, K.F. - Zero-moment theory of shells. p.3.

Rozin, L.A. - Analogs of Maxwell-Mohr's method in the theory of elasticity (two-dimensional problem). p.24.

Rozin, L.A. - Maxwell-Mohr's formulas in the theory of shells. p.40.

Kachanov, L.M. - Flexure of an elastoplastic interlayer. p.52.

Kuznetsov, A.I. - Limiting state of a figured interlayer under tensile and bending stresses. p.62.

Kozhakhmetov, K.K., Finkel'shtein, R.M. - A thermoelasticity problem for a thin cylindrical shell and a plate. p.75.

Rozenblium, V.I. - Approximate analysis of unsteady creep of plates and shells. p.88.

Tovstik, P.E. - Forced vibrations of cylindrical springs. p.96.

Aldoshina, I.A. - Vibrations of a conical shell. p.107.

Smirnov, M.M. - Vibration of a system of masses linked with a cylindrical shell. p.114.

Shamina, V.A. - Equations in the inversely symmetrical case for a shell of revolution with meridional ribs. p.124.

Rodionova, V.A. - Unsteady heat conductivity of a thin wheel. p.139.

Mal'kov, V.M.- Calculation of an obliquely cut cylindrical shell. p.146.

Gizatulina, G.M. - Problem of the flexure of a circular reinforced plate of viscoplastic material. p.153.

Fomin, V.L. - Plane deformation of hardening hollow cylinders under the action of internal pressure and a stationary thermal field. p.161.

Bugakov, I.I. - Piezo-optical effect in polymers under simple load. p.172.

Bugakov, I.I., Smirnova, V.P., Shikhobalov, S.P. - Simulation of the creep of T-tails of turbine blades. p.192.

Maksutova, T.D. - Photoelasticity of thick-walled vessels with plane bottoms. p.208.

Kachanov, L.M. - Time of fracture under the action of a liquid-metal medium. p.225.

Sarkisian, M.S. - Extremum principles for an anisotropic plastic body. p.232.

Talypov, G.B. - Effect of microstresses producing Bauschinger's effect on the yield point and stability in pure shear. p.237.

Talypov, G.B. - Effect of natural aging on the yield point. p.246.

Talypov, G.B., Chistiakov, A.I. - Effect of heavy prior plastic deformations on the yield point of low carbon steels. p.249.

Smotrin, N.T., Chebanov, V.M. - Stress-rupture strength of organic glass. p.252.

Smotrin, N.T., Chebanov, V.M. - Some results of stress-rupture tests for textolite. p.258.

Kamentseva, Z.P. - Bauschinger's effect in low carbon steel in preliminary alternating plastic deformations. p.261.

Kirin, E.IA. - Vibrations of a cylindrical shell. p.265.

*KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.9, no.3, May-June 1964.

Table of contents translated:

Brusentsev, F.A. - Program for determining the atomic scattering factors of a centrally symmetrical crystalline structure from the zero-point experimental structural amplitudes using the method of least squares. p.323.

Brusentsev, F.A., Borisov, S.V. - Determining the crystalline structure from a set of Patterson's peaks by means of a computer. p.330.

Kamenskaia, T.S. - Principle of setting up a program for computing the structural amplitudes for all 230 symmetry groups. p.335.

Gladyshevskii, E.I., Oleksiv, G.I., Kripiakevich, P.I. - New representatives of the structural type $Li_{22}Pb_5$.

Telegina, I.V., Kolontsova, E.V. - Kinetics of oriented dislocations in irradiated LiF crystals. p.342.

Pinsker, Z.G., Imamov, R.M. - Electron diffraction examination of the compound $AgBiTe_2$. p.346.

Krainik, N.N., and others. - Crystal chemistry of ferroelectrics having a structure of the type of tetragonal oxygenic tungsten bronze. p.352.

Fedulov, S.A., Venevtsev, IU.N. - Study of the systems $PbTiO_3 - CaSnO_3$ and $PbTiO_3 - CaZrO_3$. p.358.

Shuvalov, L.A., Ivanov, N.R. - Change in the optical activity of ferroelectric crystals due to repolarization. p.363.

Aleksandrov, K.S., Ryzhova, T.V. - Internal conical refraction of elastic waves in ammonium dihydrophosphate. p.373.

Loshmanov, A.A. - Antiferromagnetism of chromium - manganese alloys. p.377.

Meleshina, V.A. - Methodology of simultaneous selective etching of domains and dislocations and their identification in triglycine sulfate crystals. p.381.

Chernov, A.A., Budurov, S.I. - Shapes of the growth of macroscopic steps. Development of faces at the step ends. p.388.

Belov, N.V. - Nomenclature of Bravais lattices. p.396.

Vyrodov, I.P. - An analytic method for indexing the X-ray photographs of polycrystalline substances. p.397.

Umanskii, M.M., Zevin, L.S. - Technique of allowing for vertical divergence in diffractometric measurements of the parameter of an elementary cell. p.399.

Kondrashev, IU.D. - Crystalline structure of para-dimethyldiasoaminobenzene. p.403.

Belov, N.V., Klosse, G.A., Golovastikov, N.I. - X-ray diffraction examination of active (d-) and racemic (d, 1-) Sb-tartrates. p.402.

Rechkin, V.N., Lamikhov, L.K., Samsonova, T.I. - Crystalline structures of certain scandium aluminates. p.405.

Margolis, N.V., Toropov, N.A., Udalof, IU.P. - X-ray diffraction examination of praseodymium and samarium aluminates. p.408.

Ismailzade, I.G., Verbitskaia, T.N., Nesterenko, V.I. - Preliminary data on the X-ray diffraction study of VK-3 ferroelectric ceramics in constant electric fields. p.412.

Imamov, R.M., Pinsker, Z.G. - Production and study of thin Cu_2O films. p.413.

Nemtsov, V.D. - Electron diffraction study of the perfection of the structure of a silicon surface layer. p.416.

Dima, I. - Crystalline structure of zinc selenide films. p.417.

Shalimova, K.V., and others. - Crystalline structure of CdS films precipitated on a glass or metallized base and subjected to heat treatment. p.418.

Budberg, P.B., Shakhova, K.I. - Polymorphism of the $ZrCr_2$ compound. p.419.

Shnyrev, G.D., Petrov, I.P., Grechushnikov, B.N. - Achromatic half-wave plate. p.421.

Mikheeva, L.F., Shustin, O.A. - Rotation of the polarization plane in quartz near the temperature of phase transition. p.423.

Strukov, B.A., Toshev, S.D. - Phase boundaries and domain structure in ammonium sulfate crystals. p.426.

Drokin, A.I., Beznosikov, B.V. - Domain structure of single crystals of ferrite-garnets of thullium, dysprosium, and therbium. p.427.

Antipin, I.P., Kirenskii, L.V., Savchenko, M.K. - Domain structure of mechanically deformed nickel crystals. p.429.

Guseva, I.N., Urusovskaia, A.A. - Study of some properties of synthetic fluorite with an admixture of samarium. p.432.

Parvov, V.F., Shubnikov, A.V. - Zero growth velocity faces in $K_2Cr_2O_7$. p.435.

Lishina, A.V., and others. - Morphology of gallium phosphide crystals grown from the gaseous phase. p.436.

Kiseleva, N.K. - Preparation and certain properties of the heterotransitions indium antimonide - gallium antimonide. p.439.

Papkov, V.S., Berezhkova, G.V. - Production of Al_2O_3 whiskers. p.442.

Papirov, I.I., Tikhinskii, G.F. - Thermal etching of beryllium crystals. p.444.

TSinober, L.I., Kamentsev, I.E. - Effect of the rate of growth on the concentration of smoke-colored centers and on the parameters of the elementary cell in synthetic quartz crystals. p.448.

Tatarskii, V.B. - Nonexistence of examples of optically active crystals with symmetry planes. p.451.

Correction to V.L.Indenbom's article "Theory of the formation of stresses and dislocations during the growth of crystals. p.456.

*LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORII. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. No.124, 1962. Voprosy dinamicheskoi meteorologii i chislennykh metodov kratkosrochnogo prognoza pogody [Problems of dynamic meteorology and numerical methods for shortrange weather forecasting].

Table of contents translated:

Gandin, L.S. - Optimum conformation of meteorological fields. p.3.

Gandin, L.S. - Operative methods for computer analysis of meteorological fields. p.18.

Rubtsov, I.V. - Automatic preparation of initial data for numerical analysis and weather forecasting. p.30.

Dubov, A.S. - Effect of static stability on changes in pressure and the forecasting equation for the lower stratosphere. p.39.

Shneerov, B.E. - Scheme for the solution of equations for the short-range forecasting of the geopotential and vertical speed. p.48.

Dubov, A.S., Orlova, L.S. - Calculation of the movement of cyclones in mountainous regions. p.56.

Rukhovets, L.V. - Effect of the tropopause inclination on the change of the pressure field. p.63.

Rukhovets, L.V. - Reasons for change in the height of the tropopause. p.81.

Arrago, L.R. - Evolution of cloudiness. p.89.

Meleshko, V.P. - Numerical forecast of the dew-point deficit. p.97.

Afanas'eva, V.B. - Relation of the meridional index to synoptic processes. p.107.

[PHOTOCOPY]

No.144, 1963. Fizika pogranichnogo sloia atmosfery; Dneprovskaia ekspeditsiia GGO i UkrNIGMI [Physics of the boundary layer of the atmosphere; Dnieper Expedition of the Main Geophysical Observatory and the Ukrainian Scientific Research Hydrometeorological Institute].

Table of contents translated:

Laikhtman, D.L., Orlenko, L.R. - Program and methods for observations made during the expedition. p.3.

Kaplan, S.N. - Brief characteristics of the weather situation during the period of expedition work. p.9.

Orlenko, L.R., Tkachenko, A.V. - Some results of processing and analyzing gradient observations in the lowest atmospheric layer. p.11.

Tkachenko, A.V. - Determination of the parameters of the vertical wind profile in the lowest layer of the atmosphere. p.22.

Laikhtman, D.L., Orlenko, L.R., Tkachenko, A.V. - Dispersion of the turbulence energy in the lowest layer of the atmosphere. p.28.

Orlenko, L.R. - Relationship between the components of the balance of turbulence energy based on experimental data. p.34.

Ariel', N.Z., and others. - Results of the temperature pulsation measurements and the wind direction in the lowest layer of the atmosphere. p.48.

Ariel', N.Z., Blutner, E.K., Konstantinov, A.R. - Methods and results of the spectral characteristics of turbulent pulsations in the lowest layer of the atmosphere. p.59.

Blutner, E.K. - Calculation of structural and correlation functions for a finite observation interval. p.68.

Melent'eva, I.I., Kaplan, S.N. - Some characteristics of the change of wind direction and their application in the calculation of atmosphere contamination by factory chimneys. p.76.

Laikhtman, D.L., Kozakov, L.A., Melent'eva, I.I. - Experimental studies of the vertical changes of turbulence intensity in the boundary layer of the atmosphere. p.81.

Zaitsev, A.S. - Pulsation of the vertical component of the wind velocity based on pilot balloon data. p.85.

Vorontsov, P.A., Galadzhii, N.M., Konstantinov, A.R. - Study of the distribution of some structural characteristics of the air flow along the vertical. p.88.

Galadzhii, N.M., Melent'eva, I.I., Tkachenko, A.V. - Determination of the height of the boundary layer of the atmosphere by different methods. p.96.

Vorontsov, P.A. - Structure of the lowest layer of the atmosphere (0-0,5km) during the period of the Dnieper Expedition. p.102.

Simonov, V.V. - Comparison of real and geostrophic wind based on expedition data. p.111.

Mushkin, I.G. - Distribution of meteorological elements in the vegetative cover. p.114.

Malevskii-Malevich, S.P. - Methods for the temperature determination of the active surface. p.124.

Zilitinkevich, S.S. - Some characteristics of the spatial-temporal distribution of meteorological elements in the lowest layer of the nonstationary air flow. p.133.

TSeitin, G.Kh. - Structure of the boundary layer of the atmosphere under nonstationary conditions. Pt. 2. p.150.

[illegible], Z.M. - Structure of the boundary layer of the [illegible] atmosphere. p.176.

[illegible], B.A. - Thermodynamic interaction in the [illegible] system. p.183.

[illegible], F.D. - Transformation of the temperature and moisture fields and the characteristics of [illegible]. p.19[illegible].

[illegible], L.G. - Some preliminary results of the [illegible] of irrigation conditions based on [illegible] data. p.202.

[illegible], V.M. - Comparative characteristics of calculation methods for the determination of the freezing depth of soils. p.209.

Supplements 1-7. p.232.

Supplements 8-11. p.24[illegible].

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no.5, May 1964.

Table of contents translated:

Marchuk, G.I. - New approach to the numerical solution of the problem of weather forecasting. p.3.

Dobryshman, E.M. - Some characteristics of circulation in the troposphere in the equatorial zone. p.10.

Vulis, I.L. - Statistical estimation of the errors connected with the linearization of the vorticity equation. p.20.

Fuks-Rabinovich, M.S. - Improving the quality of the analysis of the geopotential field over regions poorly covered by the initial information. p.23.

Il'ina, M.I., Il'in, B.M., Rukhovets, L.V. - One method for the control and correction of aerologic telegrams. p.35.

Dikii, L.A., Koronatova, T.D. - Stability of the solution of the vorticity transfer equation as related to the disturbances of initial and boundary conditions. p.39.

Arakel, E.N. - Calculation of pressure change at the earth surface based on aerological data. p.45.

Pavlov, N.I. - Contribution of vertical movements to the evolution of cyclones and anticyclones. p.49.

Khrabrov, IU.B., Reshetov, V.D. - Complex method and the problem of long-range weather forecasting. p.51.

Barg, B., Heme, V. - Papers of the Institute for Research on the General Circulation of the Atmosphere in the German Democratic Republic. p.55.

New books. p.57.

Literature on meteorology and hydrology in 1963. p.58.

Lazar' Abramovich Vitel's; on his 60th birthday. p.62.

G.M.-B. Dobson; on his 75th birthday. p.63.

Aleksandr IAkovlevich Pshenichnyi; an obituary. p.63.

In the Main Administration of the Hydrometeorological Service. p.64.

In the Institutions of the Hydrometeorological Service. p.65.

Meetings, conferences, seminars. p.66.

Abroad. p.68.

Weather forecast for June, 1964, in the U.S.S.R. p.69.

PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRUMENTS AND EXPERIMENTAL TECHNIQUES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.6, Nov.-Dec., 1963.

Table of contents translated:

Tolchenov, IU.M., Chaikovskii, V.G. - Corona counters of slow neutrons; review. p.5.

Tiulin, V.I., Tatevskii, V.M. - Comparative review of certain spectral characteristics of low-pressure mercury lamps. p.12.

Nikitin, V.A., and others. - Use of a thin $(CH_2)_n$ film as an internal proton-synchrotron target in studying elastic p - p-scattering. p.18.

Bochkarev, V.N., Nefedov, V.V. - Scintillation gamma-spectrometer with fast neutron discrimination. p.23.

Khachaturian, M.N., Pantuev, V.S. - Cherenkov spectrometer for measuring the energy of gamma quanta. p.29.

Litvin, V.F., Zherebtsova, K.I. - Graduation of a multiangular magnetic analyzer-multispectrograph. p.33.

Gol'dberg, V.Z., Rudakov, V.P. - Wide-focus magnetic beta-spectrograph. p.36.

Gel', E.P. - Ion source for a neutron tube with controllable ion flux. p.38.

Ivanov, IU.S., Fedorov, V.M. - "Dead time" of a Wilson chamber. p.42.

Fedorov, V.M. - A 150 1. Wilson chamber. p.44.

Eremenko, IU.A., and others. - Study of ion drifting in a Wilson chamber using a spark chamber. p.46.

Barkov, L.M., and others. - Semiautomatic device for processing bubble chamber stereophotographs. p.48.

Pak, M.I., and others. - Characteristics of an argon-filled spark chamber. p.52.

Mostovaia, T.A., and others. - Measuring the mass distribution of heavy fragments by means of an analyzer of the pulse amplitude relation. p.55.

Bozoki, D., Gomboshi, E. - Determination of the scattering constant K_s in a NIKFI-R emulsion by measuring the angular dispersion of a 9 Gev. proton beam. p.61.

Zhukov, G.P., Zabiiakin, G.I., Shibaev, V.D. - Many-track magnetic tape recording for pulse-height analysis. p.66.

Zabiiakin, G.I., Ososkov, G.A. - Characteristics of multichannel recording devices with intermediate memory in pulsewise operation. p.73.

Vasilenko, A.T., Denisov, IU.N. - Electromechanical harmonic analyzer. p.78.

Artamonov, E.I., Diligenskii, S.N. - Electronic time-setting device. p.82.

Dianov-Klokov, V.I., Palitsyna, I.A., Stakhovskii, A.D. - Narrow-band recording device for the frequency range 5 — 5,000 cps. p.89.

Vorob'ev, G.A., and others. - Steep-edge 150 kw. pulse generator. p.93.

Mesiats, G.A. - Method for multiplying steep-edge pulse voltage. p.95.

Kolotov, O.S., Pogozhev, V.A. - Transient response meter for studying fast physical processes. p.98.

Agasian, E.O. - Pulse stretcher with logarithmic characteristics. p.103.

Volodin, E.B., Nikiforov, V.N. - Stroboscopic super-high-frequency oscillograph. p.106.

Bliumkina, IU.A., Semenova, N.N. - Current integrator with low input resistance. p.112.

Muskhelishvili, G.N., Mikirtumov, V.R. - Transistorized precision voltage and current stabilizers. p.116.

Amenitskii, N.A., Kornienko, L.S., Smirnov, A.I. - Spectroscope for studying the spectrum and spin-lattice relaxation of paramagnetic substances at a wavelength of 8 mm. p.119.

Chentsov, IU.V. - Dismountable model of a television transmitting tube. p.122

Lukatskaia, I.A., Tarasova, V.IA. - Pulse X-ray tube with an operating voltage of 17 ÷ 20 kw. p.124.

Turovtseva, Z.M., Shevaleevskii, L.D. - Use of an omegatron inanalyzing residual gases at low pressures. p.128.

Mikhailova, G.V., Kulakov, IU.A. - Analyzing the composition of residual gases over titanium spray coatings. p.134.

Sokolov, N.I., and others. - Vacuum slide-valves. p.137.

Rudnitskii, E.M., Seliakh, G.S. - Oilfree high-vacuum apparatus with a magnetic electric-discharge pump. p.141.

Ponomarev, V.P. - Small-size construction of a vacuum titanium pump. p.143.

Drobyshevskii, E.M. - Photoelectric scanning method for measuring the Doppler shift of a spectral line. p.145.

Vilesov, F.I., Akopian, M.E., Kleimenov, V.I. - Improvement of the electric and lighting parameters of high-voltage hydrogen lamps. p.150.

Vishnevskii, V.N., Shibistyi, A.N. - Photoelectric device for measuring the degree of polarization of luminescence. p.154.

Tiulin, V.I., Tatevskii, V.M. - Mirror-type bulbs for studying the Raman spectra of gaseous substances. p.156.

Vorontsov, IU.I., Poliakov, I.V. - Simple method for measuring the parameters of tunnel diodes. p.159.

Kandalov, V.I., Pol'skii, IU.E. - Device for measuring the Hall e.m.f. with direct determination of the current carrier sign. p.162.

Sharvin, IU.V., Gantmakher, V.F. - Growing metal single crystals in optically polished molds. p.165.

Khauzer, I. - Dependence of proton path lengths on the energy in an NIKFI-IA2 emulsion. p.168.

Morozov, A.M., Shal'nikov, A.I. - Preparation of thin titanium-deuterium and titanium-tritium targets. p.169.

Golub, V.S., Levkovskii, P.T., Pavlenko, P.D. - Transformer-key device for the pickup of pulses from Geiger counters. p.171.

Lukin, E.A., Shitikov, B.I. - Wide-range pulse generator on transistors. p.173.

Fedorov, V.A., Doroshenko, G.G., Filiushkin, I.V. - Sensitive threshold device. p.175.

Deniak, V.M., Sidorenko, L.I. - Nuclear resonance type phase detector for stabilizing the electromagnet's field. p.176.

Soshin, L.D., Tolkach, P.N. - Low-noise preamplifier for spectrometers equipped with semiconductor transducers. p.177.

Chaikin, A.M. - Generation of a high temperature in the resonator of a paramagnetic resonance spectrometer. p.178.

Efremov, IU.IA., Bikbulatov, T.A., Teitel'baum, B.IA. - Reconstruction of an isotopic mass spectrometer to make it suitable for chemical investigations. p.180.

Kirsanov, V.S. - Measuring a vacuum by means of radioactive preparations. p.182.

Zrelov, V.P. - Polarization selectivity of an oxygen-cesium photocathode. p.183.

Gribkov, V.I. - Measuring the attenuation of photoluminescence by means of an electronic shutter. p.184.

Bil'diukevich, A.L. - Low-temperature measuring resonator operating at a wavelength of 3.2 cm. p.186.

Nadol'nikov, A.G., Fastovskii, V.G., Petrovskii, IU.V. - Miniature refrigerating machine. p.189.

Shakhovskoi, G.P., Tikhomirova, N.A. - Window for optical observations at high pressures. p.191.

Shakurov, P.F. - The gas pendulum. p.192.

ISHT-1 device for measuring the noise coefficient of transistors on a sonic frequency. p.194.

Nanosecond pulse generator G5-16. p.195.

Diode compensating voltmeter OKV-4. p.195.

Secondary-electron multiplier VEU-OT-8M. p.196.

Author index. p.197.

Subject index. p.208.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, May 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]. Moscow, no.2, 1964.

Table of contents translated:

Tagirov, E.A. - An ideal fluid whose gravitational field admits a group of motions. p.3.

Stoliarova, E.L. - Some terminological problems in nuclear spectroscopy. p.8.

Papush, E.G. - Ground state of a polaron at $\chi(r) = A(1 + \sqrt{\Sigma}\,\alpha_j x_j^2 + 4\gamma\ \Sigma\alpha_j^2 x_j^2)\exp(-\sqrt{\Sigma\alpha_j^2 x_j^2})$. p.17.

Volkov, R.A., Kuchin, V.D. - Certain nonlinear problems in the theory of electroconductivity. p.20.

Kolesnikov, A.A., Uritskii, Z.I. - Possibility of the appearance of negative temperatures in an impurity semiconductor. Part 2. p.23.

Chaldyshev, V.A., Karavaev, G.F. - Structure of the energy spectrum of chalcopyrite type crystals. p.28.

Shishkin, G.V. - Some properties of the positron radiation induced by an antineutrino flux on protons ($\tilde{\nu} + p \to n + \tilde{e}$). p.31.

Kaplan, E.S. - Predominant use of the international system of units in a course on electricity. p.32.

Kaplan, E.S. - Selection and method of determining the fundamental electromagnetic unit in the international system of units. p.41.

Syrnova, N.V., Fofonova, R.M. - Determining the equilibrium constants in the process of complex formation of aminobenzoic and aminooxybenzoic acids and their sodium salts with dinitrobenzenes. p.46.

Preobrazhenskii, N.G. - Higher accuracy in measuring the optical thickness of a layer. p.49.

Kononovich, L.I., Abramov, A.IA. - Method for calculating the solubility of metals from the radioisotope distribution. p.53.

Kamenetskii, V.D. - Study on the quantum theory of collisions. Part 4. p.60.

Zhukov, O.K. - Piezoelectric effect in ferroelectric ceramics under hydrostatic pressure. p.66.

Volkovyskii, R.IU. - Derivation of the formula describing the fine structure from a two component equation. p.69.

Volkovyskii, R.IU. - Angular correlations in forbidden beta-transitions. p.71.

Kokhanenko, V.V., Prilezhaeva, N.A., Chernenko, L.A. - Effect of CO on N_2 radiation in a glow discharge. p.73.

[illegible]

[illegible] - [illegible] Problems of aviation meteorology).

Table of contents translated

[illegible] - Analysis of a series of [illegible] p.3

[illegible] - Preliminary results of [illegible] sounding and [illegible] airplanes, p.11

[illegible] - Possibilities of predicting the [illegible] based on observations of airplane crews, p.31

[illegible]

HIGH TEMPERATURE (TEPLOFIZIKA VYSOKIKH TEMPERATUR), issued by Academy of Sciences of the U.S.S.R., Moscow, vol. 2, no. 2, Mar.-Apr., 1964.

Table of contents translated

[illegible] - [illegible] equilibrium plasma, p.157.

[illegible] - Problems of establishing an electric current in an ionized gas, p.163.

[illegible] - Analysis of the Hall effect in a moving plasma, p.170.

[illegible] - Radiation from a [illegible] plasma, p.168.

[illegible] - Method for measuring heat fluxes in a plasma, p.175.

[illegible] - Determining the degree of inhomogeneity and concentration of atoms in the plasma of a low-voltage pulse discharge, p.179.

[illegible], and others. - Determining the matrix element of the dipole moment in the electron transitions of the red system of cyanogen bands, p.183.

Filippov, L.P., Simonova, Iu.N. - Measuring the heat conductivity of metals at high temperatures. Part 1: Methodology of heat conductivity measurements, p.188.

[illegible] - Temperature dependence of the heat conductivity and thermal diffusivity of certain unstretched polymers, p.193.

[illegible], P.I., Mikhailov, V.E. - Thermal and electric properties of certain alloys in the chrome nickel system, p.309.

[illegible] - Experimental determination of the coefficient of thermal expansion of metals and alloys, p.305.

[illegible] - Dissociation energy of the BaCl molecule, p.314.

[illegible] - Experimental study of the specific volume of [illegible] close to the critical value, p.319.

[illegible] - Behavior of liquids under conditions of weightlessness, p.320.

[illegible] - Adiabatic flows of a real [illegible] gas in channels, p.270.

[illegible] - Heat transfer to a turbulent flow of [illegible] inside a tube at high temperature heads and high wall temperatures, p.275.

[illegible] - Hydrodynamics of a flow along an annular channel with a rotating cylindrical inside, p.280.

[illegible] - Approximate solution of a [illegible] problem of the heat [illegible], p.284.

[illegible]

[illegible]

Table of contents translated

[illegible] - High-energy [illegible]

[illegible] - Intensity fluctuations of [illegible] in the atmosphere due to small-scale [illegible], p.15.

[illegible] - Molecular motion in polymers, p.53.

[illegible] - Modern optical methods of the formation and transmission of microwaves, p.81.

[illegible] - Mechanical fracture of solid polymers, p.97.

Longuet-Higgins, H.C. - Some recent developments in the theory of molecular energy levels, p.137.

Panofsky, W.K.H. - Photon and electron high-energy physics; present and future, p.171.

[illegible], I.M., [illegible], V.M., [illegible], A.I. - Ninth International Conference on High-Energy Physics, p.185.

[illegible] - Conference on the Theory of Elementary Particles, p.190.

Frank-Kamenetskii, D.A. - Letter to the editor, p.195.

Vol 83, no 3, June 1964

Table of contents translated

[illegible] - Stimulated Raman scattering of light, p.[illegible]

Terminasov, IU.S., Tuzov, L.V. - Double reflection of X rays in crystals. p.223.
Sagan, Carl, Kellog, W.W. - The terrestrial planets. p. 21[illegible].
Richards, R.E. - Nuclear magnetic resonance. p. 21[illegible].
Parshin, A.IA. - Tenth Conference on low-temperature physics. p.351.
Pokhal'skii, R.Sh., Larin, V.L. - Home-made Michelson interferometer for educational purposes. p.371.
Vlasov, V. - Lenin Prizes awarded in 1964. p.375.
Vreden-Kobetskaia, T.O. - New books on physics. p.377.

ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 46, no.5, May, 1964.

Vol.46, no.5, May 1964.

Table of contents translated:

Dzhelepov, B.S., Ivanov, R.B., Nedovesov, V.G. - α-Decay of Pu^{241}. p.1517.
Babaian, Kh.P., and others. - Study of "young" high-energy electron-photon air showers. p.1525.
Dorosh, M.M., and others. - Contradictory results of measuring the cross section of the (γ, n)-reaction for lead. p.1540.
Kampf, G., Karnaukhov, V.A. - Characteristics of the decay of compound dysprosium nuclei with high angular momentum. p.1545.
TSakadze, Dzh.S. - Kinetics of growth of the meniscus of a rotating liquid. p.1553.
Bazilevskaia, G.A., Krasotkin, A.F., Charakhch'ian, A.N. - Energy spectrum and the total number of X-ray photons in extensive cosmic ray air showers. p.1556.
Danilova, T.V., Denisov, E.V., Nikol'skii, S.I. - Determining the total number of nuclear-active particles in extensive air showers containing from 3.10^3 to 10^7 particles. p.1561.
Dorchoman, D., and others. - Search of the interference of resonance trapping of neutrons with potential capture at the 4.9 ev. resonance level for gold nuclei. p.1578.
Beliakov, V.A., and others. - Production of $\Lambda(\Sigma^o)$-hyperons and K^o-mesons in interactions between 7 Gev.π-mesons and carbon. p.1586.
Rode, V.E., Gerrmann, R. - Study of the magnetization of iron, cobalt, and nickel at low temperatures. p.1593.
Kostriukova, M.O. - Heat capacity of iron chloride at low temperatures. p.1601.
Khvostenko, V.I., Sultanov, A.Sh. - Formation of negative aluminum, gallium, indium, and thallium ions due to the capture of electrons by molecules of the halides of these elements. p.1605.
Nikitin, V.A., and others. - Possibility for studying interference between Coulomb scattering and nuclear scattering in elastic collisions of particles with energies above 10^{10} ev. p.1608.
Bydin, IU.F. - Resonance charge exchange of negative ions of alkali metals. p.1612.
Vonsovskii, S.V., Svirskii, M.S. - Superconductivity of an electron system with singlet or triplet pairs. p.1619.
Beliakov, V.A. - Large deformations of nuclei in an anisotropic oscillator model. p.1632.
Smirnov, R.V. - Quadruplet variant of particle classification. p.1637.
Gurov, K.P. - Relaxation time in a two-temperature mixture of classical gases. p.1641.
Kolesnikov, N.N., Vedrinskii, R.V. - Hypernuclei with two Λ-particles and their decay. p.1648.
Tverskoi, B.A. - Structure of shock waves in a plasma. p.1653.
Borisoglebskii, L.A. - Internal conversion coefficients for highly forbidden gamma transitions in nuclei. p.1664.
Kemoklidze, M.P., Khalatnikov, I.M. - Hydrodynamics of rotating helium II in a ring channel. p.1677.
Migdal, A.B. - Nuclear magnetic moments. p.1680.
Verdiev, I.A., and others. - Complex asymptotic expressions for the amplitudes of inelastic processes, and some singularities in the plane of angular momentum. p.1700.
Kopylov, G.I., Kuliukina, L.A., Polubarinov, I.V. - Photoproduction of electron and muon pairs on electrons. p.1715.
Dzialoshinskii, I.E. - General relation in the theory of ferromagnetic Fermi fluids. p.1722.
Gailitis, A., TSytovich, V.N. - Emission of transverse electromagnetic waves due to the scattering of charged particles on plasma waves. p.1726.
Keres, Kh. - The principle of correspondence in the general theory of relativity. p.1741.
Tumanov, V.S. - Wave equation and magnetic moment of a particle with spin 2. p.1755.
Sannikov, S.S. - Polarization of electrons in an inhomogeneous magnetic field. p.1761.
Andreev, I.V. - Theory of bremsstrahlung in the presence of a medium. p.1764.
Nikishov, A.I., Ritus, V.I. - Quantum processes in the field of a plane electromagnetic wave and in a constant field. Part 2. p.1768.
Bukat, G.M., Popov, N.P. - Capture of μ-mesons by the B^{10} nucleus. p.1782.
Kaczér, Jan. - Domain structure of uniaxial ferromagnetics. p.1787.
Vilenkin, N.IA., Smorodinskii, IA.A. - Invariant expansions of relativistic amplitudes. p.1793.
Skobov, V.G., Kaner, E.A. - Quantum theory of the propagation of electromagnetic waves in metals in a magnetic field. p.1809.
Fal'kovskii, L.A. - Propagation of magnetoplasma waves in a bismuth plate. p.1820.
Andreev, A.F. - Heat conductivity of superconductors in the intermediate state. p.1823.
Popov, V.S., Dolinskii, E.I. - Group properties of the complex angular momentum. p.1829.
Bukhvostov, A.P., Popov, N.P. - Capture of μ-mesons by polarized nuclei with spin 1/2. p.1842.
Zelevinskii, V.G. - Structure of collective excitations of spherical nuclei. p.1853.
Dedenko, L.G. - Calculating the fluctuations in the total number of μ-mesons in extensive air showers. p.1859.
Ginzburg, V.L., Syrovatskii, S.I. - Gamma rays and X rays related to galactic and metagalactic cosmic rays. p.1865.
Berezin, IU.A., Karpman, V.I. - Theory of nonstationary waves of finite amplitudes in a rarefied plasma. p.1880.
Rekalo, M.P. - Weak interactions at high energies. p.1891.
Gorichev, P.A., Lozhkin, O.V., Perfilov, N.A. - Angular correlation between fragments in the case of multiple fragmentation. p.1897.
Nemets, O.F., Picard, F., Tokarevskii, V.V. - Inelastic scattering of deuterons by certain even lead isotopes. p.1898.
Nemets, O.F., and others. - Elastic scattering of deuterons on strontium and tin isotopes. p.1900.
Bedniakov, A.A., and others. - Multiple scattering of 75 $\div$ 200 Kev. protons in solids. p.1901.
Balashko, IU.G., and others. - Elastic scattering of protons by tritium at energies below the threshold of a (p, n)-reaction. p.1903.
Glazunov, IU.IA., and others. - Spectra of photoneutrons from platinum, bismuth, lead, and uranium. p.1906.
Nesterova, N.M., Nikol'skii, S.I. - Study of the composition of primary cosmic radiation from fluctuations of Cherenkov light in extensive air showers. p.1908.
Rybakov, V.N., Mal'tseva, N.S. - Study of the $(p, p\pi^+)$ reaction in In^{115}. p.1911.
Kerimov, B.K., Romanov, IU.I. - Spin correlations in neutrino and antineutrino scattering by electrons. p.1912.
Batanov, G.M., Ivanovskii, M.A., Shpigel', I.S. - Particle losses and the configuration of a plasma stream when moving in a curvilinear magnetic field. p.1915.
Lipmanov, E.M. - On the possible existence of heavy charged leptons. p.1917.
Zinov, V.G., Konin, A.D., Mukhin, A.I. - Transition of a negative μ-meson from a proton to carbon. p.1919.
Tomashpol'skii, IU.IA., Venevtsev, IU.N., Zhdanov, G.S. - Interrelation of specific dielectric and magnetic properties in "ferromagnetics." p.1921.
Kikoin, I.G., Igosheva, T.N. - Change in the magnetic resistance of ferromagnetics. p.1923.
Mezhov-Deglin, L.P. - Heat conductivity of solid He^4. p.1926.
Smirnov, B.M. - Correction to the article "Inelastic transitions in collisions between slow atoms." p.1928.

14. MEDICINE

a. GENERAL

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol.18, no.10, 1963.

Table of contents translated:

Molchanov, N.S., Gel'man, B.L. - Some characteristics of the clinical picture and pathogenesis of pneumonia in thermal burns. p.3.
Kliachkin, L.M., and others. - Changes in the hemodynamics in burn disease. p.9.
Lantsberg, L.A. - Characteristics of water-salt metabolism in burn disease. p.15.
Orlov, S.M., Pelisov, M.G. - Changes in the osmotic function of the kidneys in burn disease. p.24.
Pelisov, M.G. - Change in the kidney function in the initial period of burn disease. p.30.
Pinchuk, V.M. - Nature of morphological changes in the heart in severe burn disease. p.36.
Atakhanov, E.I. - Enterocolitis in a hot climate and the associated change in some metabolic indices. p.42.
Masevich, TS.G. - Problems in the etiology and pathogenesis of chronic gastritis. p.49.
Grokhovskii, L.P. - Functional state of the pituitary adrenal system in chronic gastritis with gastric secretory hypofunction. p.55.
Luzhis A.R., Ryss, E.S. - Clinical significance of the determination of uropepsinogen in peptic ulcer. p.60.
Gerasimov, V.K. - Functional state of the adrenal cortex in various phases of nonspecific ulcerative colitis. p.65.
Egorov, P.I., and others. - Some problems in the diagnostic use of radioisotopes; Cr^{51} in the determination of gastrointestinal hemorrhage and I^{131}-labeled rose bengal in liver function tests. p.70.
Tugolukov, V.N. - Method for the determination of the functional state of the gastric mucosa in the clinic. p.76.
Belov, V.P. - Mental disorders in patients with ulcerative colitis. p.82.
Andriasov, A.N. - Symposium on methods of studying the nutrition and health of the population. p.91.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut kraevoi eksperimental'noi meditsiny. Trudy [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Institute of Endemic Experimental Medicine. Transactions]. Tashkent, no.5, 1963.

(DNLM)

Table of contents translated:

Makhkamov, G.M. - Nutrition and health. p.5.
Makhkamov, G.M., Levin, IA.A., Allakulova, E.D. - Iodine content of food products in Tashkent Province. p.13.
Makhkamov, G.M., Mon'kovich, V.IA. - Change in the vitamin C content of fresh and canned fruits and berries. p.18.
Makhkamov, G.M., Levin, IA.A. - Biological role of copper and its content in local food products. p.28.
IUnusov, A.IU., Tursunov, Z.T. - Cortical regulation of the blood in water deficiency. p.37.
Rakhimov, N.R., Samsonova, Z.F., Sabirova, G.Sh. - Microflora of gastric juice in chronic gastritis. p.41.
Vasilenko, E.A. - Amount of vitamins B_1 and PP in the urine in gastritis with secretory insufficiency. p.45.
Il'khamov, A.I. - Clinical aspect and treatment of nonspecific ulcerative colitis in a hot climate. p.52.
Askarov, A.A., Il'khamov, A.I., IUsupova, E. - Secretory function of the stomach in healthy people in a hot climate. p.61.
Finkel, A.A., IUsupova, E. - Tonic function of the stomach in chronic colitis. p.66.
Rakhimov, N.R., Finkel', A.A., Kazimova, K.N. - Enterokinase in the duodenal contents in patients with chronic colitis. p.74.
Mirzaev, T.M., Ubaidullaev, T.N. - X-ray data concerning the functional state of the stomach and the duodenum in chronic colitis. p.81.
Rakhimov, N.R., Dokhkan-Khodzhaeva, N.A. - Clinical aspect and the course of lambliasis in adults. p.88.
Dokhkan-Khodzhaeva, N.A., Nazyrova, V.F. - Absorption of fats from the intestines in lambliasis. p.97.
Dokhkan-Khodzhaeva, N.A. - Enterokinase and phosphatase in the duodenal and intestinal contents in lambliasis patients. p.102.
Kazimova, K.N. - External secretory funtion of the pancreas in chronic colitis. p.108.
Mirzaev, T.M. - X-ray study of the motor function of the gallbladder in chronic colitis. p.114.
Karimova, S.D. - Autoradiographic study of the distribution of Bengal Rose tagged with iodine-131 in health and in the obstruction of bile ducts. p.119.
Aulov, D.M. - Effect of epiphysectomy and the administration of epiphyseal extract on hormone formation by the thyroid gland in white mice. p.125.
Nigmatov, N. - Respiration of the thyroid tissue in pathology of the thyroid gland. p.130.
Vasserman, Z.M. - Determination of the activity of blood catalase in transplanted osteogenic sarcomas. p.134.
Babadzhanov, S.N. - Lipid metabolism in hypertension in a hot climate. p.138.
Khodzhaeva, M.G. - Change in water-salt metabolism in Addison's diseases. p.142.
Kel'ginbaev, N.S. - Etiology, clinical aspect and treatment of circulation insufficiency by means of cardiac glycosides. p.147.
Kel'ginbaev, N.S., Fatkhullaev, I. - Some pharmacological data on Russian strophanthin K. p.153.
Kel'ginbaev, N.S., Fatkhullaev, I. - Myotropic effect of new cardiac glycosides. p.161.

Tadzhibaev, O.T. - Picture of peripheral blood in patients treated with cardiac glycosides. p.164.
Fatkhullaev, I., Khanov, M. - Effect of strophanthin K on some factors of blood coagulation. p.169.
Kasymov, N., Fatkhullaev, I. - Effect of Russian strophanthin K on the secretory function of the stomach. p.173.
Karimov, Z.N., Khydaiberdyev, Z.M. - Chemotherapy in experimental cancer. p.175.
Nikadambaev, S.IU. - New transplantable strain of experimental osteogenic sarcoma of a rabbit. p.180.
Karimov, Z.N., Savchenko, S.S., Edlichka, A.E. - Picture of peripheral blood and its coagulation time in rabbits with a transplanted osteogenic sarcoma. p.184.
Karimov, Z.N., Subkhankulova, F.B. - Content of protein fractions in the blood serum in rabbits with a transplanted osteogenic sarcoma. p.188.
Fatkhullaev, I., Kel'ginbaev, N.S. - Effect of olitoriside on the prothrombin index and the duration of hemorrhages. p.192.
IUldasheva, T.IU. - Effect of caffeine and bromine on the morphological composition of the blood in hyperthermia of the organism. p.194.
(DNLM)

IRKUTSK. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EPIDEMIOLOGII I GIGIENY. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF EPIDEMIOLOGY AND HYGIENE. Transactions]. No.6, 1960.

Table of contents translated:
Bolarinova, B.A. - Test of respiratory immunization of volunteers with diphtherial and whooping cough vaccines. p.5.
Bolarinova, B.A. - Experimental respiratory revaccination with diphtherial and whooping cough vaccines. p.13.
Panfilova, A.P. - Comparative evaluation of the effectiveness of different methods of administering the diphtherial anatoxin. p.34.
Panfilova, A.P. - Experimental method of vaccination against diphtheria with anatoxin in the form of aerosol. p.40.
Panfilova, A.P. - Subcutaneous and aerosol method of immunization against diphtheria in an experiment on animals. p.53.
Gladysheva, V.D. - Immunological reactivity in diphtheria patients in the dynamics of the infection process. p.57.
Gladysheva, V.D. - Diagnostic importance of phagocytosis in diphtheria. p.64.
Gladysheva, V.D. - Diagnostic importance of the agglutination reaction in diphtheria. p.70.
Zhidkova, F.T. - Change in the pH during the period of growth and toxin formation of the diphtheria bacillus due to rennin fermentation in the culture medium with different quantities of glucose. p.73.
Zhidkova, F.T. - Effect of different quantities of glucose on toxin formation by the diphtheria microbe. p.77.
Meierova, R.A. - Epidemiology of tick-borne encephalitis in Irkutsk Province. p.85.
Vasenin, A.A., Zhivoliapina, R.R., Perevoznikov, V.A. - Virological characteristics of the focus of tick-born encephalitis in Irkutsk Province. p.94.
Vovchinskaia, Z.M. - Materials on the parasitological characteristics of the focus of tick-borne encephalitis in Irkutsk Province. p.101.
Lipin, S.I. - Some data on the mammals and birds in the focus of tick-borne encephalitis in the Alzamay region, Irkutsk Province. p.120.
Lavrov, I.K. - Ecology of Dermacenter nuttalli Ol. in the cis-Baikal area. p.127.
Sibiriakova, O.A. - Typifying malaria foci in Irkutsk Province. p.140.
Karpukhin, G.I. - Role of dust in the distribution mechanism of air-borne infections. p.153.
Bunkus, R.M. - Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No.2: Photodynamic effect of methylene blue on the toxin of Clostridium perfringens. p.163.
Bunkus, R.M. - Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No.3: Photodynamic effect of methylene blue on the toxin of Clostridium histolyticum. p.168.
Bunkus, R.M. - Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No.4: Influence of the photodynamic action of methylene blue on the detoxication of the Clostridium septicum toxin. p.176.
Bunkus, R.M. - Photodynamic effect of riboflavin on the Clostridium perfringens toxin. p.181.
Dotsenko, P.S. - Antiserums for Clostridium perfringens types B, C, and D, their preparation and properties. p.186.
Elin, V.L., Florensova, V.A. - Chemoprophylaxis in experimental rabies. p.194.
Valueva, V.N. - Properties of the cultures of typhoid fever microbes selected under conditions of hyperthermia. p.199.

KARDIOLOGIIA [CARDIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.3, no.6, Nov.-Dec. 1963.
(DNLM)

Table of contents translated:
Dligach, D.L., Dolgun, Z.S., Kulaev, B.S. - Experimental reflexogenic hypertension of cardiac origin. p.3.
Gerasimova, E.N. - Role of some corticosteroids in hypertension. Report No.2. p.11.
Bronovets, I.N. - Indices of the functional state of the myocardium in hypertension. p.15.
Paleeva, F.M. - Content of sodium and potassium in the blood serum and their excretion in the urine in hypertensive states. p.21.
Isazade, G.M. - Changes in hemodynamics and some indices of basal metabolism in the cerebral form of hypertension. p.27.
Vidimsky, G. - Chronic pulmonary heart. p.31.
Burch, G.E., DePasquale, N.P. - Electrocardiographic diagnosis of the pulmonary heart. p.36.
Murashko, V.V., Semin, N.D. - Vectorcardiogram in pulmonary heart. p.47.
Konchalovskaia, N.M., Saitanov, A.O., Masich, T.A. - Changes in the heart in disorders of electrolyte balance; clinical and electrocardiographic observation. p.54.
Borisova, E.I., and others. - Electrocardiographic changes in disorders of electrolyte metabolism. p.59.
Brikker, V.N. - Effect of disorders of electrolyte balance on the function of the cardiovascular system; a review of literature. p.65.
Lazarenko, L.I. - Comparative evaluation of vascular reactions in nephritis and hypertension in Uzbekistan climate. p.70.
Zamfir, C., and others. - Organic form of the shortening of the P-Q interval of the electrocardiogram with deformity of the ventricular complex. p.71.
Mosin, L.I. - Intermittent disorders of intraventricular conductivity. p.73.
Savel'ev, A.A. - Auricular interpolated extrasystoles. p.76.
Pavlikovskaia, N.B. - Late ventricular extrasystoles. p.78.
Bochorishvili, V.G. - Reciprocal transitions of intermittent block of the left pedicle of the bundle of His and nodal rhythm in a patient with rheumocarditis. p.79.
Razumov, V.V. - Methodology of measuring arterial pressure in the legs. p.83.
Erina, E.V. - Review of the book "Hypertension." p.85.
Roiderman, M.I. - Review of I.A. Chernogorov's book "Disorders of the cardiac rhythm." p.89.
Index of articles published in the periodical "Kardiologiia" in 1963. p.92.
(DNLM)

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: MEDICINA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR: Meditsina [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: MEDITSINA]. Vilnius, vol.3, 1962; vol.4, 1963.
(DNLM)

*MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.8, no.10, Oct. 1963.
(DNLM)

Table of contents translated:
Tal'skaia, I.N., Shitikova, M.G. - Evaluation of the biological full value of preserved blood by determining the life span of Cr^{51} - labeled erythrocytes. p.3.
Sidora, V.D. - Determination of the circulating blood volume using radioactive chromium. p.7.
TSfasmian, A.Z., Meshine, E.N. - Determination of the life span of erythrocytes using Cr^{51}. P.11.
Shishkina, V.V., Sidora, V.D. - Use of radioactive chromium for the study of the viability of polycythemic blood transfused to patients with chronic leukemia. p.18.
Shitikova, M.G. - Hemolysis of erythrocytes in radiation sickness. p.20.
Sidora, V.D. - Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia. p.25.
Paches, A.I. - Radiotherapy of tumors of the parotid gland. p.31.
Svistunova, T.M. - Results of contact radiotherapy of epidermal hemangiomas in children; 3-year observations. p.37.
Rakhmanov, V.A., and others. - Skin changes in radiation exposure regions at late dates after radio- and gammatherapy of malignant tumors. p.43.
Fedorov, I.I., Ushkov, N.P. - Late radiation lesions of bones in radiotherapy. p.46.
Rusakov, A.B., Vainer, Z.IA. - Changes in the blood under the effect of prolonged repeated x-ray irradiation. p.50.
Petrov, V.A., and others. - Example of estimating the focal and integral absorbed doses in combined radiotherapy of patients with cancer of the cervix uteri. p.52.
Kofanova, IU.B. - Characteristics of the course of myocardial lesions in radiation sickness under conditions of transfusion of blood BK-8 and polyglucin. p.57.
Chalisov, IA., Kishkovskii, A.N. - Blastomogenic action of thorotrast in experimental chronic radiation sickness. p.65.
Krongauz, A.N., Frolova, A.V., Shul'gina, Z.I. - Ionization chambers for the measurement of X-ray and gamma-irradiations. p.72.
Drobot, V.I., Kalugin, K.S., Shtukkenberg, IU.M. - Device for the measurement of external human radiation. p.77.
Malykhin, V.M. - Evaluation of the accuracy limits in a single measurement using a low radioactivity preparation. p.82.
Rezontov, V.A. - Some characteristics of recurrent acute radiation sickness. p.86.
Shishkina, V.V. - Methodology for studying the permeability of erythrocytes to P^{32} in patients with various hematocrit indices. p.92.
Korotkov, V.K. - Introduction of the international system of units in the U.S.S.R. p.95.
Krongauz, A.N. - Values and units of the measurement of radioactivity and ionizing radiations. p.98.
Koen, M. - Conference for the study of practical measures to aid the radiotherapeutic centers of the less developed districts. p.100.
(DNLM)

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol.8, no.6, June 1964. Razdel [Section] 3, vol.8, no.7, July 1964. Razdel [Section] 4, vol.8, no.6, June 1964. Razdel [Section] 5, vol.8, no.6, June 1964. Razdel [Section] 6, vol.8, nos.6-7, June-July 1964. Razdel [Section] 7, vol.8, no.6, June 1964. Razdel [Section] 8, vol.8, no.5, May 1964. Razdel [Section] 9, vol.8, no.6, June 1964. Razdel [Section] 10, vol.8, no.6, June 1964. Razdel [Section] 11, vol.8, no.6, June 1964. Razdel [Section] 12, vol.8, no.6, June 1964. Razdel [Section] 13, vol.8, no.6, June 1964.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia and Akademiia nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no.4, Apr. 1964.

NOVOSTI MEDITSINSKOI TEKHNIKI [NEW DEVELOPMENTS IN MEDICAL EQUIPMENT]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut meditsinskikh instrumentov i oborudovaniia [All-Union Scientific Research Institute for Medical Instruments and Equipment]. Moscow, no.5, 1961.

Table of contents translated:
Mishin, L.N. - Complex of devices for correlative analysis of physiological processes. p.3.
Perel'mutr, A.S., Kolokolova, T.D. - Resistance of elements of medical respiratory apparatus in pulsating current. p.23.
Nemerovskii, L.I., Gorokhovskaia, R.I. - NAPP-60, an intermittent current anesthetic apparatus. p.37.
IUrevich, V.M. - Contemporary Soviet apparatus for inhalation anesthesia and artificial respiration. p.51.
Kanishchev, P.A. - Attachment for biopsy in flexible gastroscopes. p.55.
Eman, A.A. - Device for continuous recording of arterial pressure by an indirect method. p.58.
Gurvich, A.M., Dubovitskaia, B.B. - Lead-baryte amplifying screen. p.61.
L'vov, A.M. - Temporary synchronization during the stimulation of cardiac activity. p.68.
Belousov, A.S. - Electrogastrographic variants in healthy persons during digestion. p.72.
Bril', I.L. - Protective goggles. p.83.
Moldover, T.D., Vidgof, N.B. - Foundry system of pressurized forms for casting thermoplastic materials under pressure. p.87.
Medical equipment and apparatus produced by our industry. p.100.

PERM. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUE. Transactions]. Vol.43, 1963. Trudy Nauchnoi istoriko-meditsinskoi konferentsii Uralo-Sibirskikh oblastei 1962 g. [Transactions of the Scientific Historicomedical Conference of the Ural and Siberian Provinces], no.2.
(DNLM)

Table of contents translated:
Kertman, L.E. - Twenty-second Congress of the CPSU and the tasks of historical science. p.5.

[illegible], M.I. - [illegible] All-Union Scientific [illegible] in the light of decisions of [illegible] Congress of the CPSU. p.13.
[illegible] - Omsk Medical Institute, its role in [illegible] specialists and developing science. p.[illegible]
[illegible], I.G. - Forty years of aid [illegible] to the public health agencies of Omsk [illegible]. p.31.
[illegible], A.G., Selezneva, V.T. - History of [illegible] between the Perm Medical Institute [illegible] public health agencies. p.38.
[illegible], I.B. - Role of Perm scientists in the [illegible] development of medical microbiology [illegible] Urals. p.45.
[illegible], I.I. - Development of immunological problems in the works of the Perm Scientific Research Institute of Vaccines and Serums. p.54.
[illegible], Z.M. - History of higher pharmaceutical education in the Urals. p.61.
[illegible], M.M. - History of parasitological research in the Urals. p.67.
[illegible], V.I. - D.F.Verigo, first physiologist in the Urals. p.73.
[illegible], I.M. - History of the Department of History of the Perm Medical Institute. p.84.
[illegible], M.I. - Professor K.N.Shapsher as a scientist, teacher and civic worker. p.89.
[illegible], A.G. - Fortieth anniversary of the Department of the Organization of Public Health Service and the History of Medicine of the Perm Medical Institute. p.95.
[illegible], A.F., Kostyleva, V.A. - Professor B.I. [illegible] as a teacher and a scientist. p.101.
IAs[illegible], P.A., Barkov, V.D. - Development of theoretical departments at the Perm Medical Institute. p.105.
[illegible], A.M. - History of the Department of General Surgery at the Perm Medical Institute (1927-1936). p.110.
[illegible], D.M., Koreparov, G.F. - History of the clinic for general surgery of the Perm Medical Institute (1931-1951). p.114.
[illegible], A.L., Ramov, I.A. - Brief historical data on the clinic of the Department of Surgery of the Perm Medical Institute. p.121.
[illegible], M.B., Nakoriakov, N.K., Dashevskii, A.[illegible] - History of the clinic of obstetrics and gynecology of the Perm Medical Institute (1920-[illegible]). p.129.
[illegible], L.B. - History of the pediatric clinic of the Perm Medical Institute. p.136.
[illegible], IU.E. - Development of oncology of the Urals. p.143.
G[illegible], K.L. - History of dermatovenereal aid in Perm Province for the last 45 years. p.148.
Zab[illegible], V.I. - History of the clinic of infectious diseases of the Perm Medical Institute. p.155.
[illegible], I.A. - History of endemic goiter control in the Urals. p.159.
[illegible], I.G. - International relations of the Omsk Medical Society (1883-1908). p.165.
[illegible], N.P., Tokareva, O.G. - F.B.Gebler, prominent Siberian physician. p.171.
[illegible], G.I. - History of secondary medical education in prerevolutionary Siberia. p.175.
Petriaev, E.D. - Hospital schools at the Nerchinsk plants. p.182.
Podluzhnaia, M.IA. - History of the training of subprofessional medical workers in the Perm Government in prerevolutionary times. p.185.
Zabludovskii, P.E., Kazanskaia, IU.A. - Politically active Russian physicians as characterized by the Secret Political Police Department. p.193.
Petriaev, E.D. - N.V.Kirilov's scientific legacy. p.199.
Petriaev, E.D. - N.V.Griaznov, pioneer in vitaminology in the Urals. p.203.
Palkin, B.N. - S.A.IArotskii, prominent worker in Russian medicine. p.207.
Mamzina, N.M. - V.I.Velichkin, the most prominent social hygienist in the Urals. p.212.
Tinteev, I.A. - V.S.Serebrennikov, important sanitary worker and organizer of public health service in the Urals. p.220.
Palkin, B.N. - History of medicogeographical research in the Virgin Territory. p.229.
Fedotov, N.P. - Specific characteristics of public health service in Siberia in times of serfdom. p.239.
Zhuravleva, K.I. - History of public health service in Transbaikalia and prospects for its development. p.248.
Mat[illegible]mova, A.I. - History of the hospital situation in Irkutsk. p.254.
Zhuravleva, K.I. - History of public health service in the Buryat A.S.S.R. p.260.
Pleshkov, V.V. - History of the Perm Province Hospital. p.265.
Vershinin, T.I. - History of the founding of the first medical institution in Perm. p.272.
Vilenskii, M.M. - Organization of medical aid for the workers of the Izhevsk Gun Factory in the prerevolutionary period. p.274.
Rozet, G.I., Kushner, I.P. - Rural public health service in Yenisey Government on the eve of the Great October Socialist Revolution. p.279.
Polianskaia, T.G. - Students of the St.Petersburg Medicosurgical Academy as participants of the revolutionary movement in the Urals. p.284.
Dolmatov, G.P. - Sanitary characteristics of navigation in the works of the first public health physicians and their activities. p.292.
Kagan, I.I. - First government-wide congress of physicians and the public health service of Orenburg Government. p.298.
Podluzhnaia, M.IA. - Relations between industrial and zemstvo medicine in the Urals. p.304.
Shangin, N.I. - Communal activist group of the public health service in the struggle for sanitary culture in Omsk. p.312.
Ezhova, N.N. - Some historical data on the public health service in the Udmurt A.S.S.R. p.317.
Selezneva, V.T. - Organization of public health service in Perm Government during the inception period of Soviet power. p.326.
Kodkin, A.S. - Development of public health service in the Altai in the first years of Soviet power. p.334.
Selezneva, V.T. - Public health service in the Perm Government in the years of transition to peaceful work following the reestablishment of the national economy (1921-1925). p.338.
Selezneva, V.T. - Public health service in the Perm area during 1926-1929. p.346.
Tarasenkov, P.N. - Development of public health service in the Urals during 1928-1937. p.354.
Reiner, A.M. - Social principles in the work of public health agencies. p.362.
Shchepin, O.P. - History of the medicosanitary service for the workers of the lumbering industry. p.369.
Koshcheev, A.K. - History of sanitary food inspection on the Perm Railroad. p.375.
Kodkin, A.S. - History of sanitary education in the Altai. p.379.
Shul'man, M.S. - Development of oncological institutions in the Urals. p.382.
Shchukin, V.N. - Development of sanatoriums and health resorts in Perm Province. p.385.
Kats, L.V. - State of public health service in Perm Province and prospects for its development. p.392.
(DNLM)

REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIIA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. no.6, June 1964.

SOVETSKAIA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.27, no.10, Oct. 1963.

Table of contents translated:
Chikin, S.IA. - Public health problems in the program of the CPSU; on the 60th anniversary of the adoption of the first party program. p.3.
Zakusov, V.V. - New trends in modern pharmacology. p.7.
Semenov, V.I., Savenkov, P.M. - Clinical significance of the changes in some indicators of protein and lipid metabolism in patients with suppurative lung diseases. p.12.
Govorovich, E.A., Marshak, A.M. - Use of sulfanilamides combined with antibiotics and the advantage of sulfapyridazine, a sulfanilamide of prolonged action. p.19.
Timofeev, V.V., and others. - Ganglionic block without hypotension. p.25.
Takuev, K.S. - Surgical treatment of indirect inguinal hernia by Kukudzhanov's method. p.32.
Seleznev, G.F., Dubrov, E.IA. - Surgical treatment of fistulas of the stomach, small intestine and colon. p.36.
Antonovich, V.B., Rysin, L.M. - Differential X-ray diagnosis of additional shadows on the background of the stomach. p.41.
Zaitseva, V.G. - Methodology for parietography of the large intestine. p.46.
Vasiuk, A.E., Shor, G.P. - Some characteristics of closed abdominal trauma in children. p.49.
IArovoi, L.V., Rybasov, N.A., Shafershtein, D.L. - Clinicoepidemiological characteristics of sheep and goat brucellosis in factory workers engaged in the primary processing of wool. p.52.
Shugailo, V.T. - Use of antibiotics combined with chemotherapeutic agents for the treatment of typhoid carriers. p.58.
Ishimova, L.M., Nguen Nang An. - Use of the atropine test in the diagnosis of allergic diseases. p.62.
Savoshchenko, I.S. - Study on the classification of chronic colitis and enterocolitis. p.67.
Shtul'man, D.R. - Malignant exophthalmos as [illegible] endocrine form of diencephalic syndrome. p.[illegible]
Alekseev, P.P. - Test for the determination of [illegible]ciency of collateral blood circulation in the [illegible]ties. p.82.
Magomedov, A.Z. - Methods improving the [illegible] of primary amputations of the limbs. p.87.
Lognov, A.S., Rokshtein, M.E. - Comparison of laparoscopic and roentgenologic findings in [illegible] of the liver and bile ducts. p.91.
Kokh, E.I. - Treatment of hypertension with [illegible] p.97.
Karamov, K.S. - Simplification of some [illegible] in the analysis of electrocardiograms. p.[illegible]
Bachev, I.I. - Organization of emergency [illegible] service for the rural population. p.10[illegible].
Grigor'iants, A.N. - Treatment of peptic ulcer [illegible] chronic gastritis with ventriculin. p.106.
Kachkov, A.P., Kanovskii, I.D. - Hemophilia. p.[illegible]
Tumilovich, L.G., Zolotarev, I.I. - Diagnosis of [illegible]genital adrenogenital syndrome. p.[illegible]
Trakhtenberg, M.G. - Two cases of ovarian [illegible]noma. p.115.
Movshovich, R.I., Sokol'nikova, E.I. - [illegible]conization in some diseases of the cervix uteri. p.118.
Vitebskii, IA.D. - Surgical treatment of [illegible] myelocele. p.123.
Braslavskaia, B.P. - Effect of intravenous injection of novocaine on the vascular reflex reactions in thyrotoxicosis. p.127.
Ivanov, V.I. - Use of ditilin in the reduction of [illegible] dislocations. p.130.
Dederer, IU.M. - Methodology for the evacuation of the intestinal content before operations for [illegible] intestinal obstruction. p.131.
Metlin, B.A. - Method of detaching the [illegible] following epilation in fungous diseases. p.[illegible]
Abstracts. p.135.
Dzhabiev, A.A. - Prevalence of atherosclerosis [illegible] Baku. p.139.
Babkin, L.T. - State of the gastrointestinal tract in opisthorchiasis occurring in Kamchatka. p.[illegible]
Ugriumov, B.L. - Clinics for infectious [illegible] Czechoslovak Socialist Republic. p.[illegible]
Kolodov, I.M. - Report on the International [illegible] on Chronic Nonspecific Diseases of the [illegible]. p.150.
Kassirskii, I.A. - Review of [illegible] "Intestinal diseases." p.153.
Levi, V. - Review of the book "Topical diagnosis of diseases of the nervous system" by [illegible] and others. p.154.
Shavtsov, S.I. - Biographies of medical [illegible] the second edition of the Large Medical [illegible]pedia. p.155.

SOVETSKOE ZDRAVOOKHRANENIE KIRGIZII [SOVIET HEALTH SERVICE OF KIRGHIZIA]. Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirghiz S.S.R.]. [illegible], nos.1-2, Jan.-Apr. 1964.

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no.6(73), June 1964. [In Latvian]

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, [illegible] no.6, Nov.-Dec., 1963.

Table of contents translated:
Niviuskaia, M.M., Tager, I.L., Pressman, [illegible] - Clinical X-ray characteristics of metastatic melanomas of bones. p.3.
Klimova, M.K. - So-called transformation zones (infractions) and pathological fractures in Paget's disease. p.9.
Popov, S.N. - On transformation of bone structure related to functional stress. p.[illegible]
Abrakhanova, Kh.N. - Dynamics of changes in the X-ray picture of bones of children in Cooley's congenital familial hemolytic anemia. p.18.
Ratner, A.IU. - X-ray diagnosis of cervical migraine. p.23.
Rozenshtraukh, L.S., Apoian, V.T. - Method and technique for transosseous phlebography of the thorax. p.27.
Artiushkov, V.N. - X-ray indications of intraorbital and extraorbital tumors. p.34.
Bentsianova, V.N., Bal'sevich, S.IA. - Differential X-ray diagnosis of some tumoral and tumorlike diseases of the mandible. p.37.
Novskii, B.N., Fastovskii, IA. - Possibilities of early X-ray diagnosis of lesions of the cervical portion of the esophagus caused by foreign bodies. p.45.
Erukhimovich, A.M. - Significance of X-raying following appendectomy. p.48.
Tannykin, N.I. - Method and technique of serial single-stage tomography. p.52.

[illegible]

ZDRAVOOKHRANENIYE [illegible] (HEALTH [illegible]). Organ of Ministerstva [illegible] Health of the [illegible] 1964.

[illegible]

Chernyshev, B. M. - Hygienic evaluation of working conditions [illegible]. p. 21.

Kovalenko, [illegible] - Sensitivity of the organism to [illegible] p. 39.

[illegible]

Zakharov, V. P., Chernikov, P. I. - Changes in the working conditions in the [illegible] plants in [illegible] Province in connection with their re-[illegible]

[illegible]

Pokrovskiy, V. A. - Results of [illegible] p. 128.

[illegible]

Vasil'yev, S. A., [illegible] - Review of [illegible] p. 134.

Solovyev, [illegible], [illegible], [illegible] - Review of [illegible] book "[illegible]" p. 142.

Legal advice. p. 144.

ZDRAVOOKHRANENIYE (HEALTH SERVICE). Organ of Ministerstva zdravookhraneniya Moldavskoy SSR (Ministry of Health of the Moldavian S.S.R.). Kishinev, vol. 6, no. 3, May-June, 1963.

Table of contents translated:

Sol'tsman, [illegible] - Current state and prospects of the development of [illegible] services in the Moldavian S.S.R. p. 3.

Sorin, [illegible] - Specification of the type of work for [illegible] workers with eye diseases. p. 6.

Grabilnova, [illegible], Bronshteyn, [illegible], Volkova, [illegible] - Some characteristics of the morbidity of workers of the fur bearing plant at the Bel'tsy fur combinate during three years, 1960-1962. p. 15.

Burdler, [illegible] - Neurosurgical aid in closed trauma of the brain. p. 17.

Shcherbina, [illegible], and others. - Epidemiology and epizootiology of toxoplasmosis in Moldavia. p. 21.

Zlatan, [illegible], Zlatan, A. G. - Characteristics of the syndrome of psychic [illegible] in [illegible]. p. 22.

[illegible] - Treatment of the [illegible] of the [illegible]. p. 25.

[illegible] - Clinical aspects and treatment of infections [illegible] of the parotid glands. p. 28.

[illegible] - Surgical treatment of diseases of the thyroid gland. p. 32.

[illegible] - [illegible] treatment of patients with [illegible] in the lungs. p. 37.

[illegible] - Experience in the use of [illegible] in general surgical practice. p. 39.

[illegible] - [illegible] state of the adrenal cortex in [illegible]. p. 42.

[illegible] - Structure of the intraspinal neural apparatus in the [illegible] in man. p. 48.

[illegible] - Distribution of [illegible] in the body of rats [illegible]. p. 52.

[illegible] - [illegible] p. 54.

[illegible]

[illegible] p. 72.

[illegible] p. 77.

ZDRAVOOKHRANENIYE [illegible] (HEALTH SERVICE [illegible]). Organ of Ministerstva zdravookhraneniya [illegible] of Health of the [illegible] Moscow, vol. 10, no. 6, June 1964.

ZDRAVOOKHRANENIYE ROSSIYSKOY FEDERATSII (HEALTH SERVICE OF THE RUSSIAN FEDERATION). Issued by Ministerstvo zdravookhraneniya RSFSR (Ministry of Health of the R. S. F. S. R.). Moscow, vol. 8, no. 6, June, 1964.

Table of contents translated:

[illegible] - Organization of medical service for workers at enterprises of the chemical industry in [illegible] Province. p. 3.

[illegible] - Emergency medical care and the [illegible]. p. 7.

[illegible] - Correlation of the incidence of disease between the urban population and the workers of the petroleum extracting industry. p. [illegible]

[illegible] - Planning the development of [illegible]. p. 13.

[illegible], Shilova, [illegible] - Study of the incidence of disease and medical care of children in the first year of life in [illegible]. p. 17.

[illegible] - Organization of a school of advanced experience for the prevention of injuries in industrial enterprises. p. 23.

[illegible] - National public health service in England and Wales, brief data on the results for fifteen years. p. 25.

[illegible] - Teaching students expertise in medical disability evaluation. p. 30.

[illegible] - State of the production training of students and measures for its improvement. p. 33.

[illegible] - Review of [illegible] book "Coronary heart disease." p. 39.

[illegible] - Review of [illegible] book "[illegible], his life and activity." p. 39.

[illegible] - Review of [illegible] book "A two-stage system of caring for patients in hospitals." p. 41.

[illegible] - In the Board of the Ministry of Public Health of the R. S. F. S. R. p. 42.

[illegible] - In the board of the Ministry of Public Health of the R. S. F. S. R. p. 44.

ZDRAVOOKHRANENIYE TURKMENISTANA (HEALTH SERVICE OF TURKMENISTAN). Organ of Ministerstva zdravookhraneniya TSSR (Ministry of Health of the Turkmen S. S. R.). Ashkhabad, vol. 8, nos. [illegible], Mar.-Apr. 1964.

ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOBIOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOBIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 5, May, 1963.

Table of contents translated:

Gubina, E.A., Dunaeva, T.N. - Infectious process in mixed tularemia-brucellosis infection. p. 3.
Zubok, L.P., Balaeva, N.M. - Interrelationships of the hemolytic and toxic properties of Rickettsia prowazekii. p. 8.
Bykova, V.L., Domaradskii, I.V. - Lipolytic activity of some pathogenic microbes. p. 14.
Avanian, L.A., Gubina, N.E., Ivanova, V.F. - Effect of iron on the virulence and immunogenicity of avirulent strains of Pasteurella pestis. p. 17.
IAfaev, R.Kh. - Differentiation between Pasteurella pestis and P. pseudotuberculosis in rodents. p. 23.
Povalishina, T.P., IAnkovskii, A.K. - Geographical distribution of hemorrhagic fever with a renal syndrome. p. 27.
Martinevskii, I.L., and others. - Fate of plague bacteriophage in the organism of healthy and plague-infected greater gerbils and the possible passage of its transmission under experimental conditions. p. 31.
Pilipenko, V.G., Miroshnichenko, M.A., Poliakova, A.M. - Experimental study of epicutaneous live trivaccine from plague strains EB and 1, 17, Brucella strain 104-M, tularemia no. 15 Gaiskii restored strain and a selection of optimum antigen doses in it. p. 35.
Kraft, V.A. - Effect of hydroclimatic factors on the development of tularemia epizootics and epidemics in TSelinograd Province. p. 41.
Abushkevich, P.V., and others. - Natural tularemia foci in Khabarovsk territory. p. 48.
Chernukha, IU.G., and others. - Materials on the epidemiology of leptospirosis in the North Ossetian A.S.S.R. p. 52.
Karaseva, E.V., and others. - Natural foci of leptospirosis in the North Ossetian A.S.S.R. p. 56.
Brikman, D.I. - Epidemiology and measures for tularemia control in the Yakut A.S.S.R. p. 60.
Levi, M.I., and others. - Serological study in plague. Report No. 8: Sensitivity and specificity of the antibody neutralization reaction in plague and tularemia. p. 65.
Smirnov, V.P. - From the diary of a physician infected with experimental plague. p. 68.
Priadkina, M.D., Gavrilenkova, V.IU., Lobanova, A.V. - Biological and chemical properties of the GKI plague allergen. Report No. 1. p. 72.
Zilfian, V.N., Noramirian, A.V. - Comparative evaluation of the action of novoembichin, histamine and egg yolk on the development of experimental plague. p. 77.
Dalmatov, D.M. - Clinical characteristics of an epidemic outbreak of tularemia in 1961 in Omsk; author's abstract. p. 83.
Sukhodoeva, G.S. - Characteristics of the properties of Rickettsia burneti from a natural focus in southern Kazakhstan. p. 84.
Grennaus, G.I., and others. - Some data on the study of Q fever in Gorkiy and Gorkiy Province; author's abstract. p. 90.
Petrovskaia, V.G., Shi Dian Chen [Shih T'ien-ch'êng]. Differentiation of colicini and latent phage in experiments with Escherichia coli. p. 90.
Kremlev, G.I. - Effectiveness of emergency specific prevention of experimental tetanus under aggravated conditions. p. 94.
Illiutovich, A.IU., Budylina, V.V., Raikis, B.N. - Study of immunological shifts in the administration of purified adsorbed tetanus anatoxin. p. 97.
Pinegin, B.V. - Change in antitoxic immunity to tetanus under the influence of dysenteric intoxication and influenzal infection. p. 102.
Ponomareva, T.N. - Bacteriological diagnosis of anthrax. p. 107.
Makarov, N.I., and others. - Morbidity from anthrax in animals and humans in Ciscaucasia and Transcaucasia in 1960-1961; author's abstract. p. 112.
Metelkin, A.I. - Zoonoses in laboratory animals and their danger for man. p. 113.
Kononenko, A.P. - Detection by the fluorescence method, of bacterial enzymes splitting up amino acids. p. 117.
Sinadskii, N.E. - Sorption of antitoxic antigangrene serum by human erythrocytes. p. 121.
Zibitsker, D.E., Milikova, M.G. - Ineffectiveness of the aldolase test as a method for selection of placental sera in the preparation of gamma globulin. p. 123.
Voronova, Z.A. - Preparation of type-specific precipitating sera for the diagnosis of Clostridium perfringens. p. 126.
Likhoded, V.G., Kudlai, D.G. - Colicins of enteropathogenic Escherichia coli and their typing according to the specificity of colicin-resistant mutants. p. 128.
Teodorovici, Gr., and others. - Carriers of antibiotic-resistant staphylococci in various categories of the population. p. 133.
Skavronskaia, A.G., Borisova, N.B., Gol'dina, L.R. - Effect of levomycetin on the intensity of protein and nucleic acid synthesis in Escherichia coli B. p. 138.
Skorodumova, I.V., Amiantova, L.D. - Morphological changes in experimental diphtherial intoxication in animals with different types of nervous systems. p. 143.
Kolendovich, A.I. - Transmissive outbreak of tularemia in the environs of TSelinograd. p. 148.
Potudin, M.I., Zasypkina, Z.V. - Case of listerellal angina in Tula Province. p. 151.
Sorina, A.M. - Cases of anthrax in man. p. 152.
Levtova, K.Z., Klodnitskaia, S.N. - Fiftieth anniversary of the discovery of the role of camels in the epidemiology of plague. p. 154.
Lisitsyn, A.A., Pavlovskii, E.N. - Reviews, criticism and bibliography. p. 157.
Tarasevich, I.V. - Foreign literature. p. 161.
Vashkov, V.I. - Brief news. p. 166.

Vol. 40, no. 6, June 1963.

Table of contents translated:

Likhonos, A.N. - Experience in the prevention of brucellosis in Stavropol Territory. p. 3.
Balandin, G.A. - Inexpediency of vaccinal prevention of the bovine type of brucellosis. p. 8.
Fomin, D.Kh. - Study of the seasonality of epidemic hepatitis in the Ukraine. p. 12.
Petrov, V.I. - Epidemiology of epidemic hepatitis in Dnepropetrovsk. p. 18.
Khorava, G.V. - Study of the epidemiology of Botkin's disease in Gudauta District, Abkhaz A.S.S.R. p. 22.
Bogomolov, F.I. - Epidemiological characteristics of Botkin's disease in a rural area. p. 25.
Streliukina, G.A. - Epidemiological analysis of an outbreak of typhoid fever. p. 29.
Shat'ko, P.D., Kornilova, A.L., Ermilova, D.K. - Natural foci of rabies in Novosibirsk Province. p. 33.
Tiutkina, N.F., Margorina, L.M., Shatrov, I.I. - Sporadic salmonellosis. p. 38.
Kambaratov, P.I. - Significance of the phage titer growth reaction in the diagnosis of salmonellosis. p. 40.
Mel'nik, E.G., Mikhailova, IU.M. - Bacterial excretion in food poisoning of salmonellal etiology. p. 45.
Klimova, T.K., and others. - Some data on tularemia in Archangel Province. p. 48.
Zykov, M.P., Bakinova, L.B. - Experience in the use of television microscopy for the demonstration of micro-organisms. p. 54.
Belikova-Aldakova, V.D., Dodonov, V.N. - Teaching epidemiology at a medical faculty. p. 58.
Zherikova, A.D., Soloveva, N.A., Belikova-Aldakova, V.D. - Method of teaching epidemiology at a sanitary-hygiene faculty. p. 63.
Fedorova, N.I., Diuisalieva, R.G. - Relation of the immunogenic activity of Rickettsia burneti to its phasic variability. p. 68.
Mikhailov, I.F., Stanislavskii, E.S. - Staining isolated bacterial structures with fluorescent antibodies. p. 74.
Petrovskaia, V.G., Tashpulatov, R.IU. - Production of colicin by recombinants produced under experimental conditions and subsequent transmission of colicinogenicity. p. 79.
Mashkov, A.V., Mikhailova, Z.M., Levina, L.A. - Determining complement components in human serum. p. 84.
Pikovskaia, R.I., Gelashvili, M.G. - Isolation of symbiotic typhoid phages and some of their properties. p. 91.
Kovaleva, N.I., Kuzinina, A.P. - Consumption of carbohydrates and nitrogen compounds by paratyphoid B bacteria. p. 95.
Pomanskaia, L.A. - Multiplication of Listeria in the soil. p. 99.
Pisarevskii, IU.S. - Anatomicophysiological characteristics of the respiratory system in man and animals in the genesis of immunity following vaccination by the aerosol method. Report No. 2: Protective function of the tissues of lung parenchyma and the lymphatic system of the respiratory organs. p. 101.
Morozov, M.A., Balaian, L.B., Kulikova, M.F. - Stability of dry smallpox vaccines treated with penicillin. p. 105.
Zakharova, R.I. - Action of specific bacteriophage on enteropathogenic Escherichia coli 0111;B4 in the organism of white mice. p. 108.
Ugriumov, B.L., Proskuriakova, N.B. - Diagnostic significance of the heterohemagglutination reaction in Botkin's disease. p. 114.
Reznikova, L.S., Stoianova, O.A. - Experience in the use of cow serum instead of immune rabbit hemolysin in the complement fixation reaction. p. 119.
Buchin, P.I., and others. - Characteristics of salmonellas isolated in the territory of the Kuznetsk Basin. p. 121.
Raikhshtat, G.N. - Significance of other intestinal diseases in the epidemiological analysis of dysentery. p. 123.
IAnush, P.A. - Serological characteristics of salmonella isolated in Gorlovka. p. 126.
Shneiderman, V.E. - Case of Salmonella breslau infection caused by eating chicken. p. 127.
Taran, I.F., and others. - Characteristics of immunity in cutaneous vaccination and revaccination with vaccine from the Brucella abortus 104-M strain. Report No. 2: Testing the intensity of immunity produced by vaccine from Brucella abortus 104-M strain in an epicutaneous application in experiments on guinea pigs. p. 128.
Tav'ev, B.M., Malysheva, M.N. - Some epidemiological characteristics of an outbreak of anthrax in one of the state farms in Saratov Province. p. 129.
Khakhareva, T.P., and others. - Infection from Salmonella oranienburg in one of the districts of Gorkiy. p. 129.
Drankin, D.I. - Examination of market milk of Novokuznetsk for brucellosis. p. 130.
Kulikova, E.N., and others. - Use of accelerated method for the laboratory diagnosis of dysentery, phage titer growth reaction and fluorescent antibody method. p. 131.
Zabrodskii, S.L. - Therapeutic and preventive use of ultraviolet rays in dysentery. p. 131.
Vinogradov, V.IA. - Epidemiology of salmonellosis in Komsomolsk-on-Amur. p. 132.
Gorlunova, A.G. - Study of the virulence of dysentery bacteria in irradiated animals; on a model of experimental keratoconjunctivitis. p. 133.
Orlova, N.N., and others. - Evaluation of influenza aeroprophylaxis during an outbreak of type A2 in 1961; annotation. p. 134.
Mariupol'skii, B.R. - Elimination of infections; apropos the article by Sh. D. Moshkovskii. p. 135.
Drankin, D.I., Panatotti, A.I., Slutskii, V.I. - Elimination of infectious diseases. p. 136.
Birovskii, IU.E., Povolotskii, IA.L. - Lev Vasil'evich Gromashevskii, outstanding Soviet epidemiologist; on his 75th birthday. p. 141.
Review, criticism and bibliography. p. 145.
Brief news. p. 150.

Vol. 40, no. 10, Oct. 1963.

Table of contents translated:

For ideas in science. p. 3.
Ravich-Shcherbo, M.I., Prokopenko, L.G. - Sequence of inclusion of various organs into immunogenesis in acute radiation sickness. p. 6.
Minervin, S.M., IAroshik, L.I. - Effect of streptococcal allergen on the course of the Shwartzman phenomenon. p. 12.
Abinder, A.A. - Effect of changed functional state of the central nervous system on the rearrangement of the immunogenic reactivity of the body and the course of anaphylactic shock. p. 17.
Godovannyi, B.A. - Role of regional lymph nodes in the mechanism of the formation of vaccinal immunity. Report No. 2: Lymph node reaction to primary administration of corpuscular antigen. p. 21.
Moshalova, A.N., and others. - Changes in the fractional composition of serum globulins and lymph node extracts under the effect of immunization and steroid hormones. Report No. 2. p. 24
IAfaev, R.Kh. - Adsorption reaction of carbon agglomeration. p. 33.
Pletsityi, D.F., Gorshunova, L.P., Fidel'man, E.S. - Immunogenesis and nonspecific factors of natural resistance. Report No. 2: Effect of antirabies vaccination on the lysozyme content of human saliva and blood. p. 38.
Deviatka, D.G., Alycheva, I.S. - Role of natural ultraviolet radiation in increasing the immunobiological reactivity of the body. p. 43.
Okolov, F.S., Nikolov, S.Kh. Romantseva, T.B. - Effect of vibration and ultrasound on the complement activity of human serum. p. 47.
Vygodchikov, G.V., and others. - Experimental study of the immunogenic properties of combined anaerobic toxoids. Report No. 5: Immunogenic properties of combined polytoxoid in primary immunization of animals. p. 51.
Ignat'eva, G.V., and others. - Immunological effectiveness of pertussis-diphtheria-tetanus vaccine. p. 58.
Popova, P.P. - Effectiveness of prevention of staphylococcal infections in parturients and newborn infants by immunization with native staphylococcal toxoid. p. 63.
Borod'ko, S.L., Samsonovich, L.G. - Duration of immunity in following simultaneous epidermal skin vaccination against plague, tularemia and brucellosis. p. 70.
Morozova, V.P. - In search of methods of stimulation of antileptospirosis immunity in irradiated animals. p. 75.
Malyshev, F.S. - Effect of immunization with typhoid monovaccine on the bactericidal properties of rabbit skin. p. 80.
Emel'ianova, O.S. - Approbation of an improved tularemia diagnosticum. p. 85.
Kulagin, S.M., Kudelina, R.I. - Experimental study of the pathogen of Rocky Mountain spotted fever. p. 92.

Vvedenskaia, O.I., Petrov, G.I. - Protective streptococcal antibodies (M-antibodies) in the serum on tonsillitis patients. p.96.

Balaeva, N.M., Zubok, L.P. - Study of the hemolytic and toxic properties of Rickettsia prowazekii using the immune serum neutralization method. p.102.

Shakhovskii, K.P. - Changes of L-form microbes and their resistance during storage at various temperatures. p.105.

Ispolatovskaia, M.V., Larina, I.A., Klimacheva, L.V. - Mechanism of detoxication of the Clostridium perfringens toxin. p.110.

Smirnov, S.G. - Some physicochemical properties of enteropathogenic Escherichia coli. p.116.

Khomenko, N.A., Rodionova, G.L. - Study of Salmonella adsorbed sera from the point of view of international standards. p.120.

Ananian, S.A. - Antibodies to transmissive viruses of Casals' group A and B in some population groups of the U.S.S.R. p.125.

Maksimovich, K.A. - Some pathogenic problems of experimental Salmonella infections. p.131.

Pustovalova, L.M. - Immunochemical study of antigens of the liquid portion of cholera vaccine. p.136.

Lebedinskii, V.A. - Problems of vaccinal prevention of tularemia in the works of American authors; a review of literature. p.140.

Solodovnikov, IU.P. - Water- and food-borne outbreaks of typhoid and paratyphoid fevers; review of foreign literature for the past 15 years. p.142.

Kiprianova, E.A. - Nitrogen and vitamin requirements of various species of dysentery bacteria; author's abstract. p.147.

Pritulin, P.I. - Deformation of salmonella in the various stages of the infection process; author's abstract. p.148.

Mataievskii, V.A., Filatovich, E.P., Godun, V.M. - Some epidemiological and clinical characteristics of epidemic hepatitis of the recent years; author's abstract. p.149.

Grant, Kh.IA. - Effect of elevated external temperature on the properdin level in healthy persons and in patients infected with rabbit staphylococcus; author's abstract. p.150.

Pells, D.G. - Chronic action of thiophene on the production of agglutinins; annotation. p.150.

Reviews, criticism and bibliography. p.152.

Vil'shavskaia, M.L. - Soviet literature on the problems of microbiology, immunology, infectious diseases and epidemiology for the fourth quarter of 1960.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

USHERSTVO I GINEKOLOGIIA [OBSTETRICS AND GYNECOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no.1, 1963.

Table of contents translated:

Krymskaia, M.L., Starkova, N.T. - Some forms of sterility and their treatment with prednisolone. p.3.

Degtiarev, S.S. - Comparative evaluation of data on pertubation and hysterosalpingography in determination of the anatomical and functional state of the uterus and the tubes. p.6.

Kheifets, S.N. - Diagnosis and treatment of female sterility. p.18.

Kononova, E.S. - Endometrial transplantation as a method of treatment of some forms of amenorrhea and sterility. p.24.

Dubnov, M.V., Beskrovnaia, N.I. - Technique of transplanting the fallopian tubes into the uterus. p.28.

Pugovishnikova, M.A., Prilopskaia, A.A. - Importance of hydrotubation in the restoration of tubal patency. p.31.

Pashchenko, P.P. - Hydrotubation with methylene blue solution as a method of diagnosing female sterility. p.35.

Gogitidze, G.V. - New method of surgical restoration of the patency of obturated fallopian tubes; Experimental study. p.37.

Prokhorova, I.M. - Hyaluronidase activity in human sperm. p.40.

Khrustaleva, G.F. - Detection of anovulatory cycles by means of some function tests. p.44.

Starkova, N.T., Uranova, E.V. - Stein-Leventhal syndrome. p.48.

uzavova, N.I. - Some data on the characteristics of the state of the cervix uteri in sterility. p.53.

Startseva, L.N. - Procreative function of women after surgical diathermy of the cervix uteri. p.57.

Gillerson, A.B., Pshenichnikova, A.S. - Course of pregnancy and labor after diathermocoagulation of the cervix uteri. p.64.

manovskii, IU.F., Shishkova, V.N. - Features of higher nervous activity in incomplete pregnancy. p.67.

Lebedeva, L.I., IAkovlev, I.I. - Contractile activity of the uterus in women during labor with a flat amnion. p.72.

Eiber, N.S., Drach, V.I. - Evaluation of new simple methods for determining the bursting of waters. p.76.

Kaminskii, B.M. - Amniotic fluid embolism as a cause of labor shock; review of literature. p.79.

Gurovskaia, T.M. - Secondary cesarean section and laparotomy in women with a previous history of cesarean section. p.85.

Gergely, I., Naibauer, D. - Dynamics of fertility after cesarean section. p.89.

Shmidova, V.F. - Comparative evaluation of some methods and agents for anesthesia in labor. p.93.

Turoverova, N.I. - Determination of the duration of prenatal leave. p.98.

Shtern, IA., Koroleva, A.M., Pavlova, L.S. - Late results of the prophylaxis and therapy of erythroblastosis fetalis. p.101.

Repina, M.A. - Alkaline phosphatase activity in pregnancy. p.107.

Zatsiorskaia, L.A. - Course of pregnancy and labor after thrombophlebitis of the deep femoral vein. p.110.

Golubev, V.A. - Clinical picture of polyposis of the endometrium. p.112.

Girdaladze, R.A., Tataradze, T.A. - A case of primary actinomycosis of the right ovary and fallopian tube. p.115.

Donetskii, D.A. - Inverted suture in conical amputation of the cervix uteri. p.117.

Putilin, S.A. - Hemorrhage into the bladder in pregnancy. p.118.

Berashevich, N.K., Siviakov, A.A., Andriushin, IU.N. - Acute pancreatitis as a complication of toxicosis in the second half of pregnancy. p.121.

Sosniakova, A.V. - Two cases of pregnancy and labor complicated by an acute onset of hemiplegia. p.123.

Levinson, L.L. - Poliomyelitis in women during the second half of pregnancy. p.125.

Kopp, V.D. - A case of recovery of the mother from impetigo herpetiformis. p.126.

Ogneva, N.S. - A case of hydrocephalus in a newborn infant caused by listeriosis. p.127.

Tumanov, I.P. - Urinary incontinence arising after rupture of the symphysis pubis during labor. p.128.

Khomenko, V.F. - Boary's operation in ureterovaginal fistulas. p.130.

Ibadov, I.IU. - Spontaneous rupture of an echinococcal ovarian cyst. p.131.

Orlov, V.A. - Diagnosis of calcification of the fallopian tubes. p.132.

Pichuev, V.P. - Labor after simultaneous removal of a submucous fibromatous node and ovarian fibroma. p.134.

Radovitskii, M.V. - A case of bilateral dilation of the renal pelves and ureters in endometriosis of the ovaries. p.135.

S.P. Vinogradova; on her 75th birthday. p.137.

Professor A.M. Foi; on his 60th birthday. p.138.
(DNLM)

VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MOTHER AND CHILD CARE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.9, nos.5, 7, May, July 1964.

c. NEUROLOGY & PSYCHIATRY

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII PSIKHONEVROLOGICHESKII INSTITUT. Trudy [STATE PSYCHONEUROLOGICAL SCIENTIFIC RESEARCH INSTITUTE. Transactions]. Vol.31, 1963. Klinicheskaia neirorentgenologiia [Clinical neurorentgenology].

Table of contents translated:

Foreword. p.3.

Gal'perin, M.D. - X-ray studies in the clinic of nervous and mental diseases. p.5.

Belenkii, E.S., Lisovskaia, R.A. - Basic methodology of craniography. p.61.

Gusakova, V.N. - General and local signs of cranial changes in the X-ray picture in diseases of the brain. p.93.

Pil', B.N., Lisovskaia, R.A. - X-ray representation of the vascular picture of cranial bones in various diseases of the brain. p.107.

Panfilova, Z.P. - X-ray diagnosis of hyperostosis frontalis interna. p.121.

Pil', B.N., Gusakova, V.N. - Craniographic diagnosis of diseases of the cerebellopontile angle. p.129.

Terpugov, E.A. - Changes in the cranial bones in neurinomas of the acoustic nerve. p.145.

Sipukhin, IA.M. - Tomography of the central cranial fossa. p.153.

Korotkevich, M.S. - Methodology of the percutaneous puncture of the common carotid artery in angiography. p.169.

Gal'perin, M.D., Pil', B.N. - Methodology of contrast X-ray study in the diagnosis of tumors of the brain. p.177.

Gal'perin, M.D. - Pneumoencephalographic study in differential diagnosis of inflammatory diseases of the brain and tumors in case of the spastic syndrome. p.237.

Zaichikova, N.A. - Morphological and functionally-dynamic disorders in epilepsy following a closed craniocerebral injury; pneumoencephalographic study. p.251.

Tets, I.TS. - Clinical and X-ray characteristics of epilepsy in children mainly in cerebellar and brain stem lesions. p.257.

Gromov, S.A., Lisovskaia, R.A. - Effect of subarachnoidal introduction of oxygen on the content of ascorbic acid in the liquor. p.267.

Gromov, S.A. - Effect of pneumoencephalography on the content of ascorbic acid in the cerebrospinal fluid. p.271.

Kiselev, V.A. - Venous pressure during pneumoencephalography in patients with some neuro-organic diseases. p.277.

Gal'perin, M.D. - Materials on contrast X-ray diagnosis of cerebrovascular diseases. p.285.

Gal'perin, M.D., Bokii, I.V. - Methods of contrast X-ray study of the brain in various states of dementia in old age. p.297.

Epshtein, I.I. - Arteriography in obliterating processes of the peripheral vessels and indications for sympathectomy. p.315.

Gal'perin, M.D., Terpugov, E.A. - Diagnosis and treatment of lesions of an intervertebral disk. p.331.

TSyvkin, M.V. - Pneumomyelography in the diagnosis of secondary radicular syndromes. p.355.

Lisovskaia, R.A. - X-ray diagnosis of spinal hemangiomas. p.364.

ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoiuznoe obshchestvo nevropatologov i psikhiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol.63, no.6, 1963.

Table of contents translated:

Grashchenkov, N.I. - Role of clinical neurology in the light of decisions of the Central Committee of the CPSU and of the Council of Ministers of the U.S.S.R. on measures for further development of biological science and strengthening its ties with the practice. p.801.

Vartanian, M.E. - Expansion of biological research in psychiatry. p.804.

Shamrei, R.K. - Brain tissue auto-antibodies in neural diseases. p.814.

Patrunova, V.P. - Amino acids in the blood in hepatolenticular degeneration. p.819.

Rusetskii, I.I., Rybakova, L.S. - Tonic positions of the hand in pyramidal insufficiency syndrome. p.824.

Shtremel', A.Kh. - Stammering in left parietal lobe syndrome. p.828.

Mikheev, V.V., and others. - Amyotrophic lateral sclerosis syndrome in cervical osteochondrosis. p.833.

Skoromets, A.A. - Specific form of an amyotrophic shoulder girdle lesion (Parsonage-Turner syndrome). p.841.

Kozlova, E.N. - External chronic progressive ophthalmoplegia. p.845.

Kalinovskaia, I.IA., Prokhorova, E.S. - Otoneurological symptoms in arterial hypotension. p.850.

Mukhin, V.M., Anisimova, G.V. - Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase. p.853.

Annenkov, N.I. - Cerebrospinal fluid changes and myelographic data in patients with varices of the spinal cord. p.859.

Kamenetskii, V.K. - Relationship between the arterial and cerebrospinal fluid pressures in insultus. p.862.

Dolina, S.A. - Physiological analysis of the "predispositions to convulsions." p.867.

Mel'nichuk, P.V. - Pathogenesis of epileptic seizures; electroencephalographic observations. p.874.

Bleikher, V.M. - Epileptic oligophasia. p.880.

Remezova, E.S. - Role of dosages in drug therapy of epilepsy. p.885.

Prokupek, Josef. - Specialization of psychiatrists in the Czechoslovak Socialist Republic. p.893.

Belchugetsianu, K. - Some problems of the classification and nomenclature of mental diseases. p.898.

Zurabashvili, A.D. - Problems of the localization of function in the light of data of modern psychoneurology. p.904.

Korenevskaia, V.A. - Immunological methods in the study of some etiological and pathogenic problems in schizophrenia. p.910.

Mikheeva, E.V. - Examination of cerebrospinal fluid in schizophrenic patients; review of literature. p.920.

Timofeev, N.N. - Some misunderstood views of V.P. Osipov on schizophrenia. p.930.

Futer, D.S. - Review of Hugh Garland's book "Scientific aspects of neurology" [in English]. p. 935.
Shternberg, E.IA. - Review of Kurt Kolle's book "Outstanding representatives of neuropsychiatry" [in German]. p. 939.
Bogolepov, N.K. - Review of H. Joschko's book "Functional neurological diagnosis" [in German]. p. 942.
Preobrazhenskaia, N.S., Stankevich, I.A. - Review of M.B. TSuker's book "Fundamentals of pediatric neuropathology." p. 942.
Bogolepova, I. - Review of M. Vargha and G. Gereb's book "Treatment of aphasia." p. 944.
Puzik, V.I., Uvarova, O.A. - Review of the transactions of the expanded scientific conference of the Institute of the Brain "Structure and function of human analysors in ontogeny." p. 945.
Review of the transactions of the "Fourth International Congress of Neuropathologists, Munich 1961." p. 946.
Ushakov, G.K. - January Plenum of the Board of the All-Union Scientific Medical Society of Neuropathologists and Psychiatrists; informative report. p. 948.
E. Karu; on his 60th birthday. p. 952.

*ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 14, no. 1, Jan.-Feb., 1964.

Table of contents translated:
Gavrilova, N.A., and others. - Correlations of the bioelectrical activity of separate parts of the human cerebral cortex under condition of relative rest. p. 3.
Danilova, N.N. - Correlation analysis in the study of the electrical activity of the cerebral cortex. p. 9.
Kratin, IU.G. - Electroencephalographic studies of cerebral activity in man during trace and delayed conditioned response. p. 23.
Dobronravova, I.S. - Changes in the bioelectrical activity of the cerebral cortex in man during the generation of motor conditioned reactions to time. p. 33.
Denisova, A.S. - Changes in the higher nervous activity in dogs following the administration of noradrenaline. p. 40.
Neumyvaka-Kapustnik, D.P., Plaskin, A.I. - Functional differences in the neuromuscular system of dogs with various nervous system types. p. 47.
Sidorova, L.M. - Effect of a prolonged action of high temperature on simultaneous complex conditioned reflexes in dogs. p. 56.
Shal'nev, B.I. - Effect of a single introduction of radioactive sodium-24 into the body on the higher nervous activity in dogs. p. 61.
Belenkov, N.IU., Chirkov, V.D. - Origin of generalized epileptiform discharges in the cerebral cortex. p. 68.
Iordanis, K.A. - Differentiation of conditioned reflexes to electrical stimulation of various structures of the brain in rabbits. p. 77.
Dubrovinskaia, N.V. - Relationship between components of the evoked potential in various structures of the anterior corpus bigeminum in rabbits. p. 86.
Kokorina, E.P. - Possibility of applying some indices in the determination of the nature of the force of an excitation process and the mobility of nervous processes in establishing the nervous system type. p. 95.
Reimov, R. - Studies on higher nervous activity in rodents under natural conditions. p. 102.
Alekseeva, M.S., Elkin, V.I., Fedorov, V.K. - Comparative genetic studies on the mobility of the nervous system in rats with a high degree of sensitivity to sound stimuli and in Wistar rats. p. 110.
Smirnova, G.P. - Effect of chronic changes in the level of stimulation of the unconditioned food center on the dynamics of conditioned and unconditioned reflexes in chickens in various stages of ontogeny. p. 116.
Zhukova, G.P., Leontovich, T.A. - Characteristics of the neuronal structure and topography of the reticular formation in carnivora. p. 124.
Tumanian, E.L. - Distribution of cytochrome oxidase and mitochondria in differential cellular formations of the cutaneous and motor analysors in some mammals. p. 148.
Chekunov, A.S. - Histochemical studies on thiol groups of proteins in various structures of the visual analysor in rabbits and guinea pigs in ontogenesis. p. 155.
Nutsubidze, M.A. - Role of the hippocampus in higher nervous activity. p. 172.
Vladimir Konstantinovich Fedorov; an obituary. p. 180.
Skrebitskii, V.K. - Fourth All-Union Electrophysiological Conference. p. 181.

Vol. 14, no. 2, Mar.-Apr. 1964.

Table of contents translated:
Livanov, M.N., Gavrilova, N.A., Aslanov, A.S. - Correlations of various parts of the human cerebral cortex during intellectual work. p. 185.
Nebylitsyn, V.D. - Individual variation factors in cerebral biocurrent reactions to rhythmical light stimuli. p. 195.
Simonov, P.V., Valueva, M.N., Ershov, P.M. - Some characteristics of voluntary and involuntary emotional reactions in man. p. 204.
Kostandov, E.A. - Changes in the correlations of the orientation and motor conditioned reflexes under the effect of atropine. p. 211.
Kaidanova, S.I., Meerson, IA.A. - Characteristic's of the formation of motor reactions in unilateral lesion of the cerebral hemispheres. p. 223.
Falikov, S.M., Gel'fand, V.B. - Electroencephalographic characteristics in lesions of the diencephalic region and brain stem associated with progressive exophthalmos. p. 229.
Shpakov, P.S. - Physiological significance of the sounds of the human voice. p. 239.
Airapet'iants, E.Sh., Bianko, V.L. - Paired activity of the cerebral hemispheres and some aspects of the higher nervous activity in animals. p. 247.
Zeval'd, L.O. - Dynamics of the limits of differential inhibition in various functional states. p. 263.
Khananashvili, M.M. - On spatial analysis of conditioned sound stimuli and on experimental neurosis caused by the spatial approximation of the sources of sound stimulation. p. 270.
Skrebitskii, V.G., Shkol'nik-IArros, E.G. - Representation of the visual analysor in the cerebral cortex. p. 277.
Liubimov, N.N. - Pathways of conducting primary specific information in the visual analysor system. p. 287.
Lazuko, N.N. - Correlation of excitation and inhibition processes in the auditory analysor of the dog under the influence of pure tones. p. 296.
Dumenko, V.N. - Rapid oscillations in the electroencephalogram of dogs during the formation of conditioned reflexes. p. 301.
Zakher, IU.IA. - Conditioned reflex to a relative intensity of sound stimuli under their isolated action on dogs. p. 311.
Katinas, V.IA. - Comparative physiology of the tonus of higher segments of the brain. p. 318.
Voronin, L.G., Gusel'nikova, K.G., Gusel'nikov, V.I. - Some data on the relationship between slow and impulse activity of the paleocortex in the lizard. p. 326.
Popova, E.N., Mokhova, T.M. - Functional and structural changes in the central nervous system under the influence of nivaline. p. 337.
Gershtein, L.M. - Comparative chemical architectonic of functional protein groups of cortical nuclei of the cutaneous and motor analysors in cats. p. 346.
Tatarenko, N.P., Liberman, A.E. - Results and prospects for the use of some methodologies for physiological research in a psychiatric clinic. p. 351.
Frantik, E., Horvat, M. - Elements of automation in the technique of research in higher nervous activity. p. 358.
Lebedev, F.M., Kheifets, M.G. - Methodology for simultaneous examination of conditioned blinking reflexes and the functional state of the cardiovascular system in man. p. 364.
Grushevskii, E.F. - Methodology for the study of conditioned and unconditioned reflexes in animals. p. 369.
Petr Stepanovich Kupalov; an obituary. p. 374.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARINGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 24, no. 6, Nov.-Dec. 1963. (DNLM)

e. PATHOLOGY & THERAPEUTICS

LABORATORNOE DELO [LABORATORY WORK]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 2, 1964.

Table of contents translated:
Derviz, G.V., Vinogradova, I.L., Safarova, A.A. - Use of the titrometric method for determining the alkaline reserve of the blood in acute renal insufficiency. p. 67.
Gette, Z.P. - Significance of determining the activity of sorbitol dehydrogenase in infectious hepatitis. p. 70.
Braginskii, D.M. - Methodology for determining the activity of serum phosphohexose isomerase (glucosophosphate isomerase). p. 75.
Gromashevskaia, L.L., Mironova, E.M. - Microdetermination of phosphohexose isomerase (glucosophosphate isomerase) in the serum and the clinical significance of its examination in infectious hepatitis. p. 77.
Kosarikhina, N.A. - Technique of performing the thymol turbidity test and its results in epidemic hepatitis. p. 81.
Burshtein, Ch.I., Kinot, B.I. - Thymol test in experimental liver diseases. p. 85.
Sullo, K.M. - Determining bilirubin in the blood serum. p. 87.
Vodkailo, S.I. - Determination of three fractions of bilirubin by a simple micromethod in newborn infants. p. 89.
Gusarova, N.D., Sivashinskaia, F.G. - Comparative description of bilirubin fractions in the blood of children with epidemic hepatitis. p. 93.
Nuronskaia, O.A. - Methodology of determining bilirubin in the blood serum by photoelectrocolorimetry. p. 96.
Babil, Z.N. - Rapid method of determining bilirubin in the blood serum. p. 98.
Eryknlova, O.K. - Determination of urobilin in the urine by fluorometry. p. 99.
Starosel'skii, D.V. - Simple method for the qualitative determination of bile acids in the urine. p. 101.
Novskaia, E.A. - Cytological examination of surface scrapings of the cervix uteri in prophylactic examinations in women. p. 102.
Kaluzhenko, R.K., Drozd, A.I. - Determination of the number of splenokaryocytes in mice. p. 104.
Krylov, A.A., Gusev, V.P. - Methodology for determining uropepsin. p. 105.
Agafonova, L.I., Tkachenko, A.M. - Staphylococcus of intestinal origin and its properties. p. 10[illegible]
Ovchinnikov, N.M., Torsuev, N.A., [illegible] L.S. - Significance of tuberculosis antigens for the serodiagnosis of leprosy. p. 110.
Adel'son, L.I. - Agar imbedding for the determination of surface contamination of commonly used objects. p. 113.
Shershevskaia, R.S., Kovalenko, T.A., Tartakovskaia, M.I. - Simplified method for determining the sensitivity of micro-organisms to antibiotics. p. 115.
Suprun, P.A., Bakhtiiarov, V.D. - Machine for preparing cotton stoppers. p. 118.
Natykach, I.T., Badyva, S.S. - Apparatus for sterilizing glassware and standing nutrient media in test tubes. p. 120.
Kharanovich, N.I. - New thermostats; an informative report. p. 122.
Benedec, Iosef - Micromanipulator for work with cellular cultures. p. 124.
[PHOTOCOPY]

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12 June 1964.

VOPROSY MEDITSINSKOI VIRUSOLOGII [PROBLEMS OF MEDICAL VIROLOGY]. Issued by Institut virusologii Akademii meditsinskikh nauk SSSR [Institute of Virology of the Academy of Medical Sciences of the U.S.S.R.]. Moscow, no. 6, 1959. Neiroinfektsii [Neural infections].

Table of contents translated:
Preface. p. 2.
Levkovich, E.N. - Present status of the problem of tick-borne encephalitis. p. 3.
Fornosi, F. - Tick-borne encephalitis in Hungary. p. 12.
Ananian, S.A., Pivanova, G.I. - Reaction of hemagglutination and inhibition of hemagglutination in transmissive viral infections. p. 16.
Sarmanova, E.S., Pogodina, V.V., Nikolaeva, G.N. - Study of the characteristics of the tick-borne encephalitis agent in relation to the clinical aspect and the epidemiology of the disease. p. 23.
Levkovich, E.N., and others. - Study of the characteristics of humoral immunity in tick-borne encephalitis in people. p. 28.
Levkovich, E.N., Zasukhina, G.D. - Tissue culture vaccines against tick-borne encephalitis. Report No. 1: Selection of tissue systems and dynamics of virus inactivation by means of formalin. p. 3[illegible]
Levkovich, E.N., Zasukhina, G.D. - Tissue culture vaccines against tick-borne encephalitis. Report No. 2: Study of immunogenic and antigenic properties. p. 36.
Levkovich, E.N., Zasukhina, G.D. - Effect of acrichine on the virus of tick-borne encephalitis in tissue cultures. p. 39.
Karpovich, L.G. - Cultivation of the virus of Omsk hemorrhagic fever in tissue cultures. p. 41.
Levkovich, E.N., Karpovich, L.G. - Cytopathogenic effect of the group of tick-borne encephalitis viruses in cultures of transplantable cells of human angiosarcoma. p. 46.
Gaidamovich, S.IA., Vagzhanova, V.A. - Preservation of the virus of tick-borne encephalitis in milk, water and other substrates. p. 49.
Peterson, O.P., Shubladze, A.K., Bychkova, E.N. - Susceptibility of mice exposed to the action of X rays to the virus of tick-borne encephalitis. p. [illegible]

Pan Tsi-chan (P'ing Chih-hsien). – Comparative study of the pathogenesis and pathomorphology of diphasic meningoencephalitis and diphasic milk fever. p.57.

Bogdina, I.A. – Study of the hosts of the Far East virus of tick-borne encephalitis, [illegible] p.61.

Zasukhin, D.P., Karpovich, L.G. – [illegible] serum diagnosis of the group of tick-borne encephalitis viruses. p.65.

[illegible] – [illegible] tick-borne encephalitis. p.66.

Ananyan, S.A., [illegible] – [illegible] of diphasic meningoencephalitis [illegible] p.73.

[illegible] – [illegible] encephalitis. p.[illegible]

Pogodina, V.V. – [illegible] tick-borne encephalitis [illegible] use of goat's milk. p.92.

[illegible] – [illegible] tick-borne encephalitis, p.[illegible]

[illegible] – [illegible] against tick-borne encephalitis. p.97.

[illegible]

Tsvetkova?, M.A. – Study of the antigenic properties of the blood serum of rabbits. p.173.

[illegible] – [illegible] p.177.

[illegible], L.M. – Age-related sensitivity of laboratory animals to experimental rabies. p.181.

[illegible], and others. – Purification of antirabies vaccine by extraction with acetone. p.185.

[illegible], L.P. – Comparative study of the virulence of different strains of [illegible] p.189.

[illegible] – Effect of [illegible] on the properties of the rabies street virus. p.193.

[illegible] – Therapeutic and prophylactic effect of antirabies serum with a diverse content of antirabies antibodies. p.[illegible]

[illegible], A.N. – Present tasks of virological studies (in neuropathology). p.203.

[illegible], [illegible] – Study of the etiology of Vilyuysk encephalomyelitis. Report No.1 – Study of the biological characteristics of the virus strains isolated from patients. p.211.

[illegible], I.S. – Study of the etiology of Vilyuysk encephalomyelitis. Report No.2 – Immunological characteristics of the virus strains isolated from patients. p.214.

[illegible] – Study of the etiology of Vilyuysk encephalomyelitis. Report No.3 – Study of the immunological characteristics of the blood of people with Vilyuysk encephalomyelitis. p.217.

Petrov, P.A. – Clinical stages and epidemiology of Vilyuysk encephalitis. p.220.

[illegible], I.D. – Mental disturbances caused by Vilyuysk encephalitis. p.222.

[illegible], A.N. – Clinical stages of Vilyuysk encephalitis and the results of its treatment. p.225.

[illegible], A.S. – The etiology of Vilyuysk encephalomyelitis. p.232.

[illegible] – Resistance of the virus of Japanese encephalitis in the external environment. p.272.

[illegible] – Variability of the virus of Japanese encephalitis. p.276.

[illegible] – Experimental Japanese encephalitis in white mice. p.281.

[illegible] – [illegible] of the virus of Japanese encephalitis. p.283.

[illegible] p.287.

[illegible] p.291.

[illegible] p.294.

[illegible] p.297.

[illegible] p.302.

(1963 M)

*VOPROSY ONKOLOGII (PROBLEMS OF ONCOLOGY). Issued by Ministerstvo zdravookhraneniya SSSR (Ministry of Health of the U.S.S.R.), Moscow, vol.8, no.7, 1962.

(1961 M)

Table of contents translated:

[illegible] – Importance of tissue culture in the study of oncogenic viruses. p.3.

[illegible] – [illegible] activity of some chemicals. p.9.

[illegible] and others. – Study of the antigenic properties of human tumor fractions deprived of soluble proteins. p.13.

[illegible] – Antigenic properties of the blood and tumorous tissue in people with carcinoma. p.19.

[illegible] – Effect of small doses of X-ray irradiation on the development of Ehrlich's ascitic carcinoma transplanted in mice. p.27.

[illegible] – Effect of [illegible] on the growth of [illegible] transplanted in [illegible] p.31.

[illegible] – Materials on histochemical study of [illegible] p.37.

[illegible] – Diagnosis and treatment of malignant tumors of the skin, present status of the problem and course of its investigation. p.41.

[illegible], A.V. – Arteriovenous anastomoses of the skin (glomuses) and the tumors resulting from them (glomangiomas). p.52.

[illegible] – Radical resection for cancer with a [illegible] p.[illegible]

Gerkh?, I.F., Bogolitov?, E.A. – Evaluation of the incretory activity of the stomach and its importance in the diagnosis of malignant neoplasms. p.69.

Stankevich, A.A. – Determination of doses in intracavital treatment of cancer of the uterus taking into consideration the position of radioactive preparations in the pelvis. p.75.

Mokrousova?, A.M., [illegible], M.A. – Benign stomach tumors. p.80.

Kochkina, I.O., [illegible], A.Ya. – Malignant tumors in two children of the same family. p.84.

[illegible], M.T. – Repeated surgery for cancer of the stomach. p.85.

Agaev, D.A. – Anesthesia in extensive extirpation of the uterus due to cancer. p.89.

Mikhalevskiy?, V.P. – Compound treatment of malignant neoplasms of the thyroid gland. p.95.

Atanasian, L.A. – Surgical treatment of tumors of the carotid region (chemodectomas). p.101.

[illegible], D.L. – Method of puncture biopsy of lymphatic nodes in the area of tracheal bifurcation. p.112.

[illegible], A.S. – In the European Committee of the World Health Organization. p.116.

Mil[illegible], D.V., [illegible], V.A. – Proceedings of the 60th meeting of the Scientific Society of Oncologists of Moscow and Moscow Province, November 30, 1961. p.119.

[illegible], S.A., [illegible], N.P. – Proceedings of the 65th joint meeting of the Scientific Society of Oncologists of Urological and Gynecological Practice and the Section of Child Surgery of the Moscow Surgical Society, March 1, 1962. p.119.

[illegible], G.G., [illegible], I.I. – Report of the work of the Republic Administration and Practice Scientific Medical Societies of Oncologists of the Ukrainian S.S.R. for 1961. p.123.

International management of research in the area of virus oncology. p.126.

Review of the English translation of N.N. Petrov's book "Manual of general oncology." p.127.

Petrov, [illegible] – Review of the book "Diagnosis of tumors ([illegible])." p.127.

(1961 M)

Vol.8, no.11, 1962.

Table of contents translated:

Avtandilov?, G.G., [illegible], N.G. – Data on the morphological diagnosis of [illegible].
p.7.

[illegible], I.M. – Inhibition of antibody production in response to antigens of normal and tumor-bearing rabbit tissues in the organism of rats with developed tolerance. p.9.

[illegible] – Characteristics of the carcinogenic effect of N, N' diacetylbenzidine. p.14.

[illegible], [illegible], V.N. – Appearance of multiple neoplasms in dogs under the influence of Sr^{90}. p.18.

[illegible], N.V. – Comparison of nonspecific defense reactions following the generalization of infections and metastatic spreading of tumors. p.22.

[illegible], [illegible], [illegible] – Transplantable sarcoma of rats; the [illegible] strain. p.27.

[illegible], M.A., [illegible], [illegible], N.A. – Effect of oxyradiation and [illegible] on [illegible] in mice and rats. p.32.

[illegible], A.M., [illegible], E.A. – Oncological characteristics of a new line of laboratory mice [illegible]. p.40.

[illegible] – Arsenic content in Bulgarian cigarettes. p.43.

Petrov, N.V. – Diagnosis and therapy of benign nonepithelial tumors of the stomach. p.51.

Aleksandrov?, A.A. – Role of tomography combined with pneumoperitoneum in the differential diagnosis of tumors of the retroperitoneal space. p.59.

[illegible], M.M. – Alterations of the bronchial arteries in pulmonary cancer. p.66.

[illegible], V.A. – Evaluation of ligation of the external carotid artery in the treatment of cancer of the oral cavity and tongue. p.77.

[illegible] – Results of the use of combined ultrasonic methods in the treatment of pathological processes in the cervix uteri resulting from birth injuries. p.81.

Mendel'shtam?, V.A. – Secondary bone lesions in cancer of the female genitalia. p.83.

Kos'enko?, V.G. – Method of cytodiagnosis of tumors of the urinary bladder. p.87.

[illegible], N.V. – Case of multiple cancer of the scalp following roentgenological epilation. p.89.

[illegible], V.I. – Skin cancer following removal of a foreign body under roentgenological control. p.102.

[illegible], G.G. – Paravertebral hypernephroma with thrombosis of the "V" renal vein. p.105.

[illegible], A.P. – Tumors of the retroperitoneal space; according to data of the Leningrad Sanitation and Hygiene Medical Institute Clinic of Surgical Diseases. p.108.

[illegible], L.Yu. – Detection of tumor cells in the blood of patients with malignant tumors. p.116.

(1961 M)

Vol.8, no.12, 1962.

Table of contents translated:

Sigal, M.Z. - Transillumination, a method for the diagnosis of cancer of the stomach in laparotomy. p.3.

Silaev, IU.S., Moshnina, E.A. - Gastrobiopsy in cancerous and precancerous diseases of the stomach. p.13.

Reshetov, A.I., Filin, V.I. - Surgical technique in cancer of the esophagus in connection with the determination of the extent of the spread of the process. p.18.

Komarov, A.S. - Cancer of the "operated stomach" and its treatment. p.21.

Agapov, IU.IA. - Pulmonary ventilation in the early postoperative period. p.30.

Gerstanovich, M.L. - Therapeutic effect of metacil (4-methyluracil) in radiation rectitis. p.35.

Shiller-Volkova, N.N., Agamova, K.A. - Role of cytological examination in the diagnosis of breast cancer. p.41.

Prokof'eva, O.G. - Tumors of the forestomach induced in mice by administration of 3,4-benzopyrene. p.46.

Erenpreis, IA.G. - Growth of Guerin's carcinoma in the regeneration zone of bones in rats. p.51.

Pan' TSI-tsao [P'an Ch'i-ts'as]. - On the antineoplastic action of sarcolysyl-alanyl-leucine tripeptide. p.57.

Khomchenovskii, E.I. - Study on the antineoplastic activity of some amides of chloroethylamine derivatives of aromatic fatty acids containing "residues" of syntomycin, aminoquinoline and anesthesine. p.60.

Smirnov, N.M. - Angioma of the frontal sinus. p.68.

Zisman, Sh.A. - A case of 13-year cure after removal of cancer of the small intestine. p.70.

Komardina, G.A. - Late results of surgical treatment of stomach cancer. p.73.

Fesenko, L.M. - Changes in the basal metabolism of patients with breast cancer. p.78.

Baranova, A.G., Cherkasskii, L.A. - Giant-cell tumor of bones. p.81.

Aleksandrov, N.N. - Current state of the treatment of breast cancer in the United States; from personal impressions. p.92.

(DNLM)

f. PHARMACY & MATERIA MEDICA

FARMATSEVTYCHNYI ZHURNAL [PHARMACEUTICAL JOURNAL]. Issued by Ministerstvo okhorony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.14, no.3, 1959.

Table of contents translated:

Husiakov, V.P. - Ethylenediaminetetraacetic acid. p.3.

Kapustiak, S.M. - Experimental study of the antitubercular activity of thiazolidine derivatives. p.6.

Turkevych, M.M., Serdiuk, K.M., Sichkoriz, L.M. - Thiazolidine derivatives with antianemic action. p.13.

Pivnenko, H.P., Marenych, I.O. - Losses of medicinal substances resulting from pounding in a mortar. p.17.

Reviats'ka, A.P. - Pharmaceuticals derived from mistletoe. p.21.

Havryliuk, A.IA., Zapadniuk, V.H. - New thiohydantoin derivatives with antispasmodic action. p.24.

Sereda, O.IA. - Effect of pachycarpine on the external secretory function of the liver. p.28.

Vaisman, H.A., Rapaport, L.I., Mytchenko, F.A. - Complexometric determination of bismuth in preparations and medicinal mixtures. p.31.

Hal'perina, A.M. - Using furfurole in investigating novocaine. p.36.

Pozdniakova, V.T. - Determining the crystallo-optic constants of alkaloid chloromercurates and chloropalladates. p.40.

Makarova, H.V., Borysiuk, IU.H. - Investigating redistilled essential oil of coriander. p.43.

Liashenko, S.S. - Anatomical and histological characteristics of the goosefoot Chenopodium anthelminticum. p.46.

Borysiuk, IU.H., Kryvenchuk, P.IE. - Chromatographic separation of menthol from mint resin and heads left as waste from mint oil production. p.52.

Derbentseva, N.A., and others. - Antimicrobic properties of medicinal plants. p.55.

Bushkova, M.M. - Planning the work of testing and analyzing laboratories. p.59.

Bryl'ova, N.I., Lytvynenko, M.M. - Reconstruction and development of the pharmacy network in Kharkov Province during the postwar period (1943-1958). p.63.

Rapaport, L.I. - Issue of prepared drugs. p.68.

Mel'nychenko, B.P. - More on labels and silent inspection in pharmacies. p.70.

Levchenko, H.A. - Organizing the work of a hospital pharmacy. p.73.

Chyzhyk, H.V. - Specialized optical store. p.76.

Hnidets', I.R. - Sixth Interprovince Conference of the Lvov Province Scientific Pharmaceutical Society. p.78.

New medical remedies. p.81.

Consultation by correspondence on the preparation of some rare drug forms. p.87.

Brief news and information. p.90.

For pharmacy workers. p.94.

Vol.14, no.4, 1959.

Table of contents translated:

Pavlenko, O.F. - Synthesis of 2,4-thiazolidinedione hydrazones. p.3.

Shelud'ko, A.V. - Mechanism of alkaline hydrolysis of pseudothiohydantoin and its derivatives. p.8.

Pivnenko, H.P., and others. - Use of Ukrainian bentonites in the pharmaceutical practice. p.13.

Vaisman, H.A. - Effect of repeated sterilization of injections on their quality. p.20.

Skvirs'ka, IE.S. - Effect of the pH of the medium on the stability of some alkaloid salt solutions during sterilization and preservation. p.25.

Shakh, TS.I. - Halogenation of heterocyclic amines. p.28.

Kukhtevych, I.L. - Effect of a salt anion on the reaction of the metal ion with pheophytin. p.31.

Chaplyns'ka, M.H., Serdiuk, K.M. - Investigating the glycoside hyperin isolated from the herbage of the St.-John's-wort Hypericum perforatum. p.35.

Pozdniakova, V.T. - Use of the crystallooptic method in chemicolegal analysis of harmine, cocaine and salsoline. p.39.

Holkhman, N.H., and others. - Using the oil cake from the seeds of some representatives of the family Leguminosae as emulsifiers in the preparation of oil emulsions. p.45.

Pivnenko, H.P., Nikolenko, V.F., Marenych, I.O. - Condensed milk as emulsifier for oil emulsions. p.47.

Borysiuk, IU.H., Zarais'ka, K.N., Makarova, H.V. - Studying the anatomical characteristics of coriander fruit. p.50.

Karpus', I.P. - Some results of chemical investigation of Consolida arvensis. p.53.

Budzyk, V.D. - Studying anthraquinone derivatives isolated from the rhizomes and roots of the dock Rumex alpinus. p.58.

Nabokov, IU.S., Samsonova, M.N., Pushkar, IE.H. - Metabolic utilization of the alkaloid salsoline by micro-organisms. p.62.

Koniev, F.A., Kolesnykov, D.H., Obukhovs'kyi, IA.A. - Preparation of injections and outlook for its development. p.64.

IAmpol's'ka, M.M., Marhulis, E.L. - Role of galenical-producing laboratories of the pharmacy administrations of the Ukrainian S.S.R. in the supply of pharmacies with prepared drug forms. p.67.

Naumenko, M.A., IAshchenko, V.K. - Training of pharmacists. p.71.

Morhun, S.K. - A rural pharmacy. p.75.

Hovalo, K.V. - Let's exchange our experience. p.77.

Tkachuk, M.I. - The label. p.79.

Shtel'makh, V.I. - Service for the rural population during the period of field work. p.81.

Aleksieieva, K.S. - Sanitary educational work of a pharmacy. p.82.

Boiko, A.F. - Use of liquid fuel in the distillation of water and sterilization of drugs. p.82.

Shchepeliaiev, O.D. - New rules governing prescription writing. p.83.

New medical remedies. p.86.

Answers to readers' questions. p.91.

Brief news and information. p.93.

Vol.15, no.4, 1960.

Table of contents translated:

Piniazhko, I.R.M. - New antibiotics in modern medical practice. p.3.

Bielikov, V.V., Shraiber, M.S., Bolotnykov, S.M. - Complexometric determination of bismuth and magnesium in bicalin tablets. p.10.

Hnidets', I.R., Mykhlyk, L.Kh. - Investigating a sterile solution of aminazine. p.14.

Kramarenko, V.P. - Optimum conditions for the extraction of codeine from aqueous solutions with organic solvents. p.17.

Zinchenko, T.V., Fefer, I.M. - Quantitative determination of alkaloids of the tropane group by the chromatographic-fluorescence method. p.19.

Sol'ts, L.M., Sergieieva, A.M. - Method for quick approximate quantitative determination of solutions of novocaine, atropine sulfate and calcium chloride. p.22.

Suprun, P.P. - Fast and accurate method for quantitative determination of iodine in a pure preparation and diiodotyrosine tablets. p.26.

IAmpol's'ka, M.M. - Using dithizone in pharmaceutical analysis. p.28.

IEna, M.H. - Mikulin's ionizer. p.33.

Makarevych, I.F., Tropp, M.IA. - Cardiac glycosides from the herb of wormseed mustard (Erysimum cheiranthoides L.). p.36.

Liapunova, P.M., Borysiuk, IU.H. - [illegible] vestigation of periwinkle occurring in the [illegible] p.41.

Voskoboinyk, S.I. - Quantitative determination of total alkaloids of periwinkle occurring in [illegible] Province. p.45.

Derebentseva, N.A., Rabinovych, A.S., [illegible] S.I. - Nature of antimicrobic substances [illegible] St.-John's-wort Hypericum perforatum L. p.44.

Nabokov, IU.S., Samsonova, M.M. - [illegible] evaluation of the contamination of [illegible] micro-organisms. p.53.

Trinus, F.P. - Interaction of unithiol with [illegible] mimetic agents. p.55.

Shmaruk, L.H. - Central district pharmacy. p.[illegible]

IEr'omina, Z.H. - On the road of [illegible] p.63.

Dehtiar'ov, S.IA. - Achievements in the [illegible] tion of labor-consuming processes in the pharma[illegible] ceutical establishments of Stalino Province. p.[illegible]

Kosenko, M.O. - Role of laboratories [illegible] galenicals and dosed drugs. p.67.

Huba, H.P. - Quality control of drugs in the pharmacies of Stalino Province. p.70.

Kudelich, V.O., Shvartsburg, I.P. - [illegible] of optical service for the population. p.[illegible]

Hubs'kyi, I.M. - Certification of pharmacists. p.[illegible]

New medical remedies. p.76.

Vyshnovets'kyi, I.A. - Let's expand the [illegible] experience. p.84.

Zorina, Z.I. - Conference in Chernovtsy. p.[illegible]

Liashenko, S.S. - Meeting of the [illegible] p.[illegible]

IAmpol's'ka, M.M., Shvartsburd, M.M. - [illegible] tion by correspondence on the [illegible] certain drug forms. p.88.

Brief news and information. p.91.

Rapaport, L.I. - "Farmatsia"; a [illegible] nos.1-6, 1958. p.95.

Vol.15, no.5, 1960.

Table of contents translated:

The Great October Revolution. p.3.

Hubs'kyi, I.M. - Forms of pharmacy [illegible] p.7.

Blyznikov, V.I., Sokil, L.S. - Effect of [illegible] substitutes on the electron system of [illegible] 4-aminoquinoline. p.12.

Danylenko, H.I., Zubenko, V.H. - Effect of [illegible] the composition of buffer mixtures [illegible] determination of cyanides by the [illegible] reaction. p.17.

Rapaport, L.I., Razumovs'ka, V.F. - [illegible] metric determination of preparations [illegible] thio and mercapto groups. p.22.

IAshchenko, D.V. - Substitution of liquid [illegible] tablets. Report No.1. p.30.

Khamzina, A.Sh. - Studying the structural and mechanical properties of pill masses. p.[illegible]

Vaisman, H.A. - Investigations in the field [illegible] preparation of injections. p.43.

Shynians'kyi, L.A., and others. - Extract[illegible] use of ultrasonic vibrations. p.48.

Prokopenko, O.P., Kolesnykov, D.H. - [illegible] determination of chromones in bishop's-weed p.49.

Chaiko, O.V., Borysiuk, IU.H., Pavlovs'ka, [illegible] - Effect of essential oils and their individual components on various microbe groups. Report No.1 Investigation of the antibacterial and [illegible] properties of some essential oils and their individual components. p.54.

Boch, T.D. - Testing certain plants for their [illegible] content. p.58.

Reviats'ka, A.P. - Quantitative determination of vitamin E in plants. p.64.

Lymarova, P.P. - Concentration of [illegible] and catechins with vitamin P activity in fresh and dried wild plants of the Donets virgin steppe p.66.

Pivnenko, H.P., Chahovets', R.K., [illegible] - Practical training of students. p.72.

Kudelych, V.O. - Material responsibility of [illegible] in pharmaceutical establishments of Poltava Province. p.76.

Aleksieieva, K.S. - Our improvements. p.77.

Krutsenko, I.F. - From work practices of the Cherkassy Province pharmacy personnel. p.[illegible]

Palamarchuk, H.R. - Improve the packaging and preservation of medicaments. p.80.

Dobryi, I.N. - From work practices of the [illegible] court. p.81.

New medical remedies. p.83.

Consultation by correspondence on the preparation of some ointments. p.90.

Brief news and information. p.92.

Book reviews and bibliography. p.95.

Vol.16, no.4, 1961.

Table of contents translated:

From the editor. p.3.

Petlychna, L.I., Vvedens'kyi, V.M., Turkevych, M.M. - 3-alkyl derivatives of rhodanine, their synthesis and properties. p.7.

Vaisman, H.A., Rapaport, L.I., Kohan, O.M. - Specific semimicroreactions for some pharmaceutical preparations. p. 9.
Fedorenko, H.IA., and others. - Use of bactericidal lamps in the pharmacy practice. p. 11.
Zykova, N.IA., and others. - Preparing extracts with the use of ultrasonic waves. p. 15.
Kramarenko, V.P. - Alkaloids bound by proteins. p. 16.
Salo, D.P., and others. - Preparing mixtures by the weight-voluminal method. p. 20.
Riabukhina, O.O. - Studying the compatibility of some alkaloids in medicinal mixtures. p. 24.
Suprun, P.P. - Fast complexometric method for quantitative determination of sodium sulfate. p. 26.
IAvors'kyi, M.P. - Color reaction of 4-aminoantipyrine with medicinal preparations. p. 31.
Zinchenko, T.V. - Studies on the alkaloid content of seeds in some Datura species. p. 35.
Shelud'ko, V.M., Babenko, V.S. - Practical exercises in pharmacognosy. p. 40.
Zakryvydoroha, S.P. - Some characteristics of Korean popular medicine and medical remedies. Report No. 2: Medicinal materials of vegetable origin. p. 42.
Dukhin, L.Kh. - History of the development of pharmaceutical education in the Ukraine.
Report No. 2: Years of the formation of Soviet public health service. p. 48.
Radovil's'kyi, Kh.M., Fridman, B.S. - Pharmacy in the Crimea during the past 40 years. p. 52.
Moskovets', N.S. - Let's work like good communists. p. 57.
Vasyl'ieva, IE.K. - Let's expand the competitions for the rank of communist labor brigade. p. 58.
Shumakov, IU.S. - Equipment enabling accelerated preparation of liquid drugs. p. 61.
Semeniuk, V.V. - About our work. p. 64.
Pohrebniak, V.A. - Consolidation of the rural district pharmacy network. p. 66.
Dannenberg, V.K. - Organization of the work of the province pharmacy personnel. p. 69.
Bielyts'kyi, V.I. - More on the work of the periodical "Khirurgiia." p. 73.
Hubs'kyi, I.M. - Certification of pharmacists. p. 77.
New medical remedies. p. 80.
Hnidets', I.R., Piniazhko, I.R.M., Turkevych, M.M. - Activities of the Lvov Province Scientific Pharmaceutical Society in 1960. p. 87.
Answers to readers' questions. p. 91.
Brief news and information. p. 95.

ol. 17, no. 6, 1962.
Table of contents translated:
Arakel'iants, K.Z., Zagorovs'ka, L.T. - Determination of the need of medical supplies is an important problem in the work of pharmacy administrations. p. 3.
Makukha, M.P. - Synthesis of amizil. p. 7.
Blazhek, I.IA. - Chromatography and stability of phenothiazine derivatives used as neuroplegic drugs. p. 9.
Shakh, TS.I., Kahan, F.IU. - Methods for the analysis of certain groups of pharmaceutical preparations listed in the 9th edition of the State pharmacopeia. p. 14.
Prokopenko, O.P., Tarasenko, O.O. - Colorimetric method for quantitative determination of coumarins. p. 18.
Kurnyts'kyi, I.I. - Studying the properties of a complex compound of copper with rhodanine-3-benzoic acid. p. 22.
Rapaport, L.I., Verzina, H.V. - Mercurimetric determination of barbiturates in medicinal mixtures. p. 25.
Ruzhyts'kyi, D.M. - Studying the paths of the contamination of distilled water by microquantities of heavy metals. p. 32.
Suprun, P.P. - Iodochlorometric method for quantitative determination of formaldehyde and acetone and a new qualitative reaction for larusan. p. 37.
Koniev, F.A., Kurchenko, I.N. - Studying the stability of ergotal injection solution. p. 40.
Chuiko, O.V., and others. - Studying aseptic methods for the preparation of drugs. Report No. 1. p. 43.
Riabukhina, O.O. - Compatibility of papaverine hydrochloride with alkaline substances in liquid forms of drugs. p. 48.
Voskoboinyk, S.L., Popova, V.I. - Stability and compatibility of dibazol in mixtures during prolonged storage. p. 54.
Khadzhai, IA.I., Kuznetsova, V.F. - Some pharmacological data on the action of imperatorin. p. 57.
Kazanovs'kyi, M.H. - Essentials of Latin nomenclature of organic pharmaceutical preparations. p. 63.
Hubs'kyi, I.M. - Development of pharmacy in the Ukraine. p. 67.
Shumakov, IU.S. - New developments in the pharmaceutical practice. p. 76.
Lander, H.B. - Devices for stamping names and sealing stoppers. p. 78.
Kotsiubyns'kyi, I.P. - Printed information and the relations between pharmacies and therapeutic and prophylactic institutions. p. 80.
New medical remedies. p. 82.
Brief news and information. p. 87.
Index of articles published in "Farmatsevtychnyi zhurnal" during 1962. p. 88.

MEDITSINSKAIA PROMYSHLENNOST' SSSR [MEDICAL SUPPLIES INDUSTRY OF THE U.S.S.R.]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 18, no. 5, May 1964.

REFERATIVNYI ZHURNAL: FARMAKOLOGIIA, TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, June 1964.

VOPROSY MEDITSINSKOI KHIMII [PROBLEMS OF MEDICAL CHEMISTRY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 9, no. 1, Jan.-Feb., 1963.
Table of contents translated:
Rozengart, V.I., Maslova, M.N. - Protein metabolism in the brain. p. 3.
Novikova, A.A., Lukashevich, E.F. - Change in water-soluble muscle proteins after removal of a hemostatic tourniquet. p. 16.
Silanitskaia, M.F., Seits, I.F. - Some qualitative characteristics of energy metabolism in the cells of Ehrlich ascites carcinoma. p. 19.
Davydova, S.I., Drozdova, G.A. - Effect of ribonuclease on the process of aminoacyladenylate formation. Report No. 2: Comparative study of activation of amino acids and peptides. p. 27.
Molchanova, L.V. - Effect of antithrombine VI intravenous introduction on the blood coagulation system in rats. p. 33.
Grigorian, V.G. - Oxidative deamination of D-aspartic acid in the liver of rabbits in experimental tuberculosis. p. 37.
Kibardin, S.A. - Spectrophotometric characteristics of material received from chromatography of influenza A2 virus on hydroxylapatite. p. 41.
Smirnova, M.V., Lebedeva, Z.I. - Some data on the activity of proteinases of Staphylococcus albus in vitro and in the process of toxin formation. p. 44.
Bychkov, S.M., Khazanova, A.I. - Interaction of streptomycin with chondroitin sulfate and chondromucoprotein. p. 48.
Rubel', V.M., Apanasiuk, M.P., Meerson, F.Z. - Metabolism of myocardial substances in compensatory hyperfunction of the heart. Myocardial carbonic anhydrase activity in compensatory hyperfunction and hypertrophy of the heart. p. 57.
Lutsenko, N.G., Promyslov, M.Sh. - Examination of proteolytic activity in human brain tumors. p. 60.
Kazakova, O.V., Orekhovich, V.N. - Isolation and properties of cathepsins from transplantable M-1 rat sarcoma. p. 63.
Tkachenko, A.V. - Method of determination of the content of blood in organs and tissues. p. 71.
Fomin, A.A., Fedorov, N.A., Kasatkin, IU.N. - Quantitative determination of fatty acids by distributive paper chromatography. p. 76.
Fedorov, N.A., Kasatkin, IU.N. - Filtration of some urine components through different types of polysaccharide gels. p. 79.
Laptева, N.N., and others. - Preparative fractionation of blood proteins by the methods of continuous electrophoresis in the EFP-2 apparatus. p. 84.
Alekseev, I.V., Poliakov, V.P., Avakian, A.A. - Simple thermostatic device for the SF-4 spectrophotometer. p. 89.
Mardashev, S.R., Burobin, V.A. - Determination of urocanase in the blood in carbon tetrachloride poisoning. p. 93.
Miasoedova, K.N. - Regulation of histidine splitting in a rat liver by thyroid hormones. p. 95.
TSvetkova, I.V., Kozina, A.B. - Neuraminic acid aldolase activity in rat kidneys in experimental nephrosis. p. 96.
Skulachev, V.P., and others. - ATP and ADP as possible hydrogen carriers in the respiratory chain. p. 99.
Shapot, V.S., Davydova, S.IA., Drozdova, G.A. - Induction of catalase and cystine desulfurase activity in transplanted mouse hepatoma under the effect of ribonucleoprotein isolated from the normal liver. p. 102.
IUr'ev, V.A. - In memoriam of V.V. Oppel'. p. 105.
Zbarskii, I.B. - Review of Ch. B. Anfinsen's book "Molecular fundamentals of evolution" [translated from the English]. p. 107.
Bogdal, M. - Review of K.M. Leutskii's book "Vitamin A." p. 108.

g. PUBLIC HEALTH & NURSING

GIGIENA I SANITARIIA [HYGIENE AND SANITATION]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 27, no. 1, Jan. 1962.
Table of contents translated:
New program of the CPSU and the problems of hygienists. p. 3.
Kurnosov, V.N. - Data on hygienic principles of the maximum permissible concentration of mercury vapors in the atmosphere. p. 7.
Pavlova, A.P., Shul'zhenko, L.A., Uspenskaia, R.I. - Hygienic evaluation of improvements in the high-speed tractor DT-75. p. 15.
Medvedeva, E.F. - Work conditions of tower crane operators and measures for their improvement. p. 18.
Kaganovich, D.I., Balandina, V.A. - Industrial training regimen for students of the Kuznetsk Basin mining schools. p. 23.
Arnol'di, I.A. - Standardization of factors of the external industrial environment for working adolescents. p. 27.
Vengrova, I.V. - Thomas Southwood Smith (1788-1861); on the 100th anniversary of the death of the progressive English sanitary physician of the 19th century. p. 33.
Gil'denskiol'd, R.S., Minaev, A.A. - Gravimetric method of determination of dust in the atmosphere using the fabric filter FPP-15-1,5. p. 40.
Diuzheva, IU.V. - Determination of the sum of monobasic carbonic acids of the fatty group in the air. p. 47.
Zabolotskii, N.N., IUrasova, O.I. - Determination of the content of radioactive iodine in the water by the isotope metabolism method. p. 49.
Rasskazova, T.V. - Evaluating the state of nasal mucosa under the effect of some industrial poisons. p. 51.
Barkov, G.D. - Development of scientific research work in the field of water transportation hygiene. p. 54.
Lakhno, E.S., and others. - Some hygienic aspects in planning forest parks. p. 58.
Nemkovskii, B.B., Zlobina, G.P., Gubanova, I.F. - Efficient operation of waste water purification equipment in a petroleum refinery. p. 61.
Mikulinskii, A.M., Bakin, K.V., Liamin, E.F. - Protection from vibration in the operation of pneumatic rammers. p. 64.
Shantarenko, I.V. - Food toxinfection of dysentery etiology. p. 66.
Bokov, A.N., Chuiko, A.V. - Some hygienic problems in the use of plastics in construction. p. 70.
Mats, L.I. - Bacteriological methods of water analysis by international and European standards. p. 74.
Kishko, IA.G. - Sulfur dioxide and chlorine in the air of Lvov. p. 77.
Savelova, V.A., Bruk, E.S., Klinkina, N.V. - Sanitary characteristics of waste water in the production of caprolactam from phenol. p. 80.
Diatlovitskaia, F.G., Nikitina, E.L. - Methodology of determining small quantities of formaldehyde in water. p. 82.
Levitov, A.M., Tolkachev, A.I. - Some epidemiological characteristics of typhoid fever in Kuybyshev. p. 84.
Kharshat, I.S. - Water disinfection in indoor swimming pools. p. 87.
Karpova, M.I. - Work conditions of and incidence of diseases in elevator workers. p. 89.
Lipinskii, S. - Data on characteristics of selenium as an industrial poison. p. 91.
Sapozhnikova, S.V. - Hygienic evaluation of new rural living quarters in the southern districts of the R.S.F.S.R. p. 93.
Kolchina, G.V. - Effect of the lengthened school day on students. p. 95.
Ragozin, I.I. - Mandatory sanitary rules for seating schoolchildren and arrangement of the desks in classes. p. 97.
TSessarskii, A.V., Lisichkina, Z. - Discussion of hygienic problems connected with the construction of new types of industrial buildings. p. 99.
Mukhin, I.E. - Republic-wide scientific and practical conference on radiation hygiene. p. 100.
Krakov'iak, G.M. - Conference on the hygiene of children and adolescents. p. 101.
Trakhtenberg, I.M. - Activity of the Kiev Scientific Society of Hygienists. p. 102.
Abstracts. p. 108.
Shtenberg, A.I. - Review of the periodical "Voprosy pitaniia." p. 115.
Krotkov, F.G. - "Ionizing radiation and health" by B. Lindell, R. Dobson. p. 119.
Vasil'evskaia, O.V. - On the 10th anniversary of N.K. Ignatov's death. p. 123.
Brief news and information. p. 124.

Vol. 27, no. 2, Feb. 1962.
Table of contents translated:
Kononova, E.F. - Purification of phenol waste waters. p. 3.

Cherkinskii, S. N. - Basic principles of new regulations for protection of water reservoirs from pollution. p. 7.

Malytskaia, V.S., and others. - Problems of industrial hygiene in the production of phenol-formaldehyde glass plastics. p.15.

Gurinov, B. P., and others. - Carcinogenic properties of exhaust carbon in automotive transportation. p. 19.

Arkad'evskii, A. A. - Hygienic standardization of continuous high-frequency noise. p.25.

Slepak, N. I. - Hygienic evaluation of synthetic fabrics from chlorine and acetylchlorine fibers. p.29.

Gneushev, M.I., Kalinova, R.S. - Hygienic evaluation of construction materials and deactivating substances used for their decontamination of radioactive iron. p.34.

Georgiev, K., Balevski, P. - Changes in the pulse and arterial pressure in students during the course of the school day. p.37.

Levin, V.M., Rutenburg, E.S. - Occupational fitness of schoolchildren with defects of the organs of vision and hearing. p.42.

Ardelian, I., Bratescu, G. - The Rumanian hygienist I. Felix and Russian medical science. p.47.

IAzhemskaia, V.IA., Shtukovskaia, L.A. - Polarographic determination of iodine in water. p.52.

Mironov, O.G. - Methodology of elimination of the ova of helminths from the water. p.55.

Bogomolov, B.P., and others. - Problem of the use of the phage titer growth reaction. p.56.

Alekseeva, M.V., Krylova, N.A. - Determination of α-methylstyrene in the air. p.58.

Gritsevskii, M.A., Samoilov, V.I., Shliugaev, V.V. - New model of a reflexometer. p.60.

Shul'ga, I.N., Trotsenko, M.A. - Determination of tetramethylthiuram disulfide in the air and in grain. p.65.

Terman, A.V., Korenkov, I.P. - Sanitary-hygienic requirements for supply centers and storehouses for radioactive isotopes. p.67.

Luchina, K.I. - Sanitary control in industrial training of general high school students. p.71.

Poltak, V.E. - Hygienic background of a sanitary-protective zone around a chemical plant. p.75.

Nikolaev, M.V., and others. - Experience in underground irrigation with waste waters. p.78.

Malkhazov, L.N., Tabolkina, V.I., Martynenko, V.S. - Organization of municipal refuse disposal at the Sochi health resort. p.82.

Tolgskaia, M.S. - Interneuron connections in the cerebral cortex and their significance for toxicological and hygienic research. p.85.

Grinev, S.N. - Some problems in the construction and equipment of schools in Finland. p.90.

Bernovskaia, N.A., Serebriannikov, N.D., Cherniak, L.B. - Final purification of phenol-containing waste waters by the sorption method. p.95.

Nikogosian, Kh.A. - Hygienic evaluation of the work of contact purifying agents. p.97.

Osipov, IU.A., Kulikovskaia, E.L., Kaliada, T.V. - Conditions of irradiation with an electromagnetic ultrahigh-frequency field in workers engaged in adjusting and testing radiotechnical equipment. p.100.

Brener, E.D., Fedoruk, A.G., Chuklenkova, G.P. - Hygienic evaluation of portal ventilation. p.103.

Gutkin, A.IA., and others. - Sexual developments of students in the Arctic Regions. p.104

Grossman, IA.L. - All-Union Scientific Methodical Conference on Problems of Sanitary Education of the Population of the U.S.S.R. p.109.

Danilovich, B.A. - "Novokuybyshevsk; civil residential construction" by A.I.TSelikov, A.P. Slobodianik. p.111.

Petrov, B.D. - "Gasan-Bek Zardabi (Melikov), founder and popularizer of hygienic knowledge in Azerbaijan" by M.M.Efendi-Zade. p.113.

Concerning I.I.Beliaev's article. p.114.

Official materials. p.115.

Brief news and information. p.121.

Vol. 27, no. 7, July 1962.

Table of contents translated:

Kvitnitskaia, N.N. - Experience in cartographic generalization of data on the sanitary state of water reservoirs in the Ukrainian S.S.R. p.3.

Knizhnikov, V.A., Balika, IU.D., Bugryshev, P.F. - Effect of combined chronic entering of radioactive strontium and fluorine trace element on the hematopoiesis in rats. p.8.

Arkhangel'skaia, L.N., Roshchina, T.A. - Toxicity of the rubber vulcanization accelerator diphenylguanidine. p.11.

Shaptala, A.A., Pevnyi, S.A. - Experience in the improvement of meteorological conditions in deep mines. p.17.

Petorv, IU.L., Tikhomirova, L.D. - Thermoelectrometry in hygienic studies. p.22.

Krasovitskaia, M.L., Zaporozhets, T.S., Sobolev, A.S. - Chromatothermographic method for separate determination of hydrocarbons in the air. p.27.

Gershkovich, E.E. - Catalytic method for determination of santhogenates in the air. p.30.

Vorob'ev, A.M., Efimova, A.N. - Determination of tributylphosphate in the air. p.32.

Golenetskii, S.P. - Determination and continuous recording of the content of aerosols of short-lived radioactive isotopes in the air by the method of filter "saturation." p.33.

Biriukova, R.N. - Calculation of the mean square deviation based on amplitude. p.43.

Gratsianskaia, L.N. - Problems in the improvement of sanitation conditions in women's work. p.46.

Lebedev, V.N. - Experience in decontamination of cianide-containing waste water from blast furnaces producing ferromanganese. p.50.

Sokolov, A.V. - Hygienic characteristics of working conditions in the flax factories of Pskov Province. p.51.

Nepsha, F.F. - Hygienic characteristics of working conditions on the new hay harvesters. p.54.

Nikolaeva, L.P. - Sanitary evaluation of the system of community refuse disposal in Rostov-on-Don. p.59.

Lazarenko, D.I. - Problems in space hygiene. p.60.

Zburzhinskii, V.K. - Mechanism of the toxic effect of hydrogen sulfide. p.64.

Petrov, B.D. - Living conditions and health; Third International Congress of Physicians in Italy. p.68.

Mucha, V., Daubner, I. - Results of bacteriological examination of the Danube water in the territory of Czechoslovakia from 1956-1961. p.74.

Kandror, I.S. - Some new methodological approaches for the hygienic evaluation of the effect of factors in the external environment on the body; a discussion. p.79.

Sakhnovskaia, N.N. - Air pollution in the zone of a sulfur plant. p.88.

Bednyi, M.S. - Necessity for a revision of morbidity recording forms for rural district hospitals. p.90.

Geller, I.M. - Microclimate of wards in a multistory hospital under conditions of a hot climate. p.92.

Smetanin, N.I. - Hygienic characteristics of some new experimental models of cotton harvestors. p.95.

Pel'ts, G.D. - Effect of trichloroethylene and tetrachloroethylene on the phagocyte activity of blood leukocytes. p.96.

Voznesenskaia, F.M. - Heat exchange in children of preschool age depending on the clothing. p.99.

Blagoveshchenskaia, I.N., and others. - Dynamics of the physical development and state of health in students of the mining industry schools of the Donets Basin. p.101.

Gus'kova, V.N., Bragina, A.N. - Concerning the problem of soil radioactivity; Report No.2. p.103.

Turovskii, I.S. - Preliminary calculation of the efficiency of the dehydration of waste water sediments using vacuum filters. p.106.

Starkas, E.M. - Some data on the pollution of the Kursu Mares Bay with sewage and waste waters. p.106.

Petrov, V.I. - Effect of waste waters and refuse of the sewage and fecal canalization on the sanitary state of the Dnieper. p.106.

Bernshtein, S.L. - Hygienic rationalization of the tanning industry. p.107.

Reshetiuk, A.L. - Experimental study on the toxicity of potassium fluorozirconate. p.107.

Ovchinnikova, L.F. - Temperature and humidity regimen at the collective farm market in Leningrad in winter. p.107.

Bakulina, P.P., Nikolaev, A.N. - Experience in the organization of sanitary education in the schools of Vyborg. p.107.

Kryzhanovskaia, M.V. - Scientific social work of Ukrainain hygienists in 1961. p.108.

Bujakas, I.I. - Activity of the Lithuanian Republican Branch of the All-Union Scientific Society of Hygienists and Public Health Physicians in 1961. p.110.

Conference of readers of the periodical "Gigiena i sanitariia." p.112.

Official materials. p.114.

Vol. 27, no. 8, Aug. 1962.

Table of contents translated:

IAnysheva, N.IA, Kireeva, I.S., Serzhantova, N.N. - Content of 3,4-benzopyrene in the refuse of coke chemical factories and in polluted air. p.3.

Savelova, V.A., and others. - Experimental evaluation of effective waste water purification in caprolactam production. p.7.

Lovtsevich, E.L. - Sanitary indicative significance of Escherichia coli in relation to enteroviruses in the decontamination of water with active chlorine. p.12.

Malinskaia, N.N. - Comparative hygienic evaluation of a new vibration-generating mechanized tool used in the timber industry. p.17.

Shillinger, IU.I., Vavilina, G.P., Kukel', IU.P. - Hygienic characteristics of the herbicide simazin and corn grown under its use. p.22.

Sosnova, T.L. - Change in some psychophysiological functions in students of a railroad technical school during practice periods. p.27.

Krasnianskaia, P.L. - Hygienic evaluation of various systems of industrial training in senior classes. p.31.

Gurvich, A.S. - A.P.Dobroslavin; on the 120th anniversary of his birth. p.34.

Dluzhova, IU.V., Kachmar, E.G. - Determination of monobasic carbonic acids in the air. p.39.

Vorob'ev, A.M., Chumicheva, A.P. - Determination of hydrogen fluoride in the air in the presence of hydrogen chloride. p.42.

Razumov, V.A., Aidarov, T.K. - Spectrographic methods for determining microquantities of lead in the air of industrial premises and in biological tests. p.44.

Dmitrieva, N.V. - Spectrophotometric method for determining trichloroethylene in the air. p.47.

Denisov, E.I. - Spectrum analysis of industrial noise using a magnetic recorder and automatic spectrometer. p.50.

Gumener, P.I., Glushkova, E.K., Sapozhnikova, R.G. - Mechanical chronometry as a method for the study of labor processes of students. p.54.

Mironov, L.A. - Plastic booth for work with radioactive substances. p.60.

Gribova, I.A., Solov'eva, E.A. - Luminescent method for examining the peripheral blood following a chronic action of small doses of ionizing radiation. p.61.

Faktorovich, M.L. - Experience in the work of the Velikiye Luki municipal sanitary epidemiological station. p.64.

Petrov, V.I., Pinskaia, F.S., Lysenko, Zh.N. - Experience in sanitary inspection for the protection of air in living areas located close to industrial enterprises. p.67.

Nepsha, F.F. - Hygienic characteristics of working conditions on new combines, harvesting machines and grain processing machines. p.68.

Gutkin, A.IA. - Design for an experimental school in Leningrad. p.70.

Politov, A.K. - Compound measures for the control of flies in market places. p.74.

Shreiber, M.I., Nikiforova, A.V. - Experience in the use of biothermal ditches in Orekhovo-Zuyevo. p.76.

Vorob'eva, R.S. - Contemporary maximum permissible concentrations of poisonous gases, vapors and dust in the air of industrial premises in the U.S.A. and the U.S.S.R. p.79.

Kalina, G.P. - Concerning the criticism of the so-called "temperature test" of I.E.Minkevich in determination of the titer of Escherichia coli. p.86.

Kostovetskii, IA.I., Meleshchenko, K.F. - Sanitary conditions for discharging the waste waters of a chemical plant into the waters of the Northern Donets River. p.89.

Kovalev, M.M. - Quantitative content of some trace elements in the drinking water of Northern Bukovina. p.91.

Fedorov, M.N. - Utilization of bactericidal enamels. p.93.

Didenko, S.IU. - Utilization of aeration during winter in workshops with excessive heat and gaseous emissions. p.94.

Gurevich, B.E., Smetanin, N.I., Liubetskii, Kh.Z. - Toxicity of folex, a new defoliant. p.97.

Koshelev, N.F., Nikitin, V.M., Shtannikov, E.V. - Comparative characteristics of the sporocidal action of gaseous chlorine and calcium hypochlorite in aqueous medium. p.99.

Shura-Bura, B.L., Levit, M.S., Ivanov, K.G. - Use of surface-active substances as washing and disinfecting agents. p.101.

Podosinnikova, L.S. - Concerning the problem of the hygienic evaluation of some typical designs of rural hospitals. p.103.

Gorkin, Z.D. - Activities of the Kharkov Province Branch of the Society of Hygienist. p.106.

Beliaev, I.I. - Conference on the protection of atmospheric air. p.109.

Sychev, A.A. - Scientific and practical conference on the problems of children's and adolescent's hygiene in Kharkov. p.110.

Zakhidov, A.Z., Kniazhinskii, V.P. - Discussion of the periodical "Gigiena i sanitariia." p.112.

Kogan, I.B. - "Methodology for determining harmful substances in the air and other media" by M.S.Dykhovskaia, S.I.Ginzburg, O.D.Khalizova. p.114.

Arnol'di, I.A., Zhilov, IU.D. - Review of the book "Manual of work hygiene," vol. 3. p.115

Brief news and information. p.121.

Vol. 27, no. 9, Sep. 1962.

Table of contents translated:

Sedov, A.V. - Comparative sanitary and toxicological characteristics of tetrachloroalkanes following peroral administration. p.3.

[illegible], B.IA., and others. Maximum permissible concentration of sodium para-[illegible] sulfonate in water reservoirs. p.[illegible]
Arkhipov, A.N., [illegible], A.N. [illegible] toxic substances in the [illegible] p.[illegible]
[illegible], I.M. [illegible] in the light of new [illegible] p.17
[illegible], [illegible]. Hygienic characteristics [illegible] for preparation of [illegible] p.[illegible]
[illegible], V.I., [illegible], M.V. [illegible] natural radioactivity of [illegible] p.30.
[illegible], [illegible], [illegible] for adults [illegible] p.[illegible]
[illegible], [illegible] Russia. p.[illegible]
[illegible], M.D. [illegible] in the air [illegible] method. p.47
[illegible], M.I. [illegible] by the method of gas [illegible] p.[illegible]
[illegible], A.I. [illegible] sanitary supervision. p.[illegible]
[illegible], I.M. [illegible] p.[illegible]
[illegible], M.A. [illegible] hygiene [illegible] p.[illegible]
[illegible], A.A., [illegible], I.V. Hygienic evaluation of [illegible] p.[illegible]
[illegible], A.M. [illegible] water [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] of [illegible] p.[illegible]
[illegible], [illegible] p.16
[illegible], V.I. [illegible] p.[illegible]
[illegible], V.M. [illegible] p.[illegible]
[illegible], M.I. [illegible] work. p.[illegible]
[illegible], A.D. [illegible] p.[illegible]
[illegible], I.P. [illegible] p.[illegible]
[illegible], M.M., [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] problems of artificial lighting. p.[illegible]
[illegible], A.M. [illegible] p.[illegible]
[illegible], L.M., [illegible] Review of the [illegible] p.[illegible]
[illegible], [illegible] Review of [illegible] book "[illegible]", [illegible] p.[illegible]

Soviet literature on hygiene and sanitation for the second half of 1961. Communal hygiene. p.133.
Brief news and information. p.13[illegible]

Vol. 2[illegible], no. 1[illegible], [illegible] 196[illegible]

Table of contents translated:

[illegible], V.I. Data to substantiate the maximum permissible concentration of methylmethacrylate in the air. p.3
[illegible], I.N. Results of a study of the sanitary state of water reservoirs [illegible] p.9
[illegible], I.I. [illegible] sanitary [illegible] water with [illegible] p.15
[illegible], L.M. Physiological and hygienic [illegible] p.[illegible]
[illegible], V.N. [illegible] p.23
[illegible], I.P. [illegible] p.[illegible]
[illegible], V.I., [illegible] Study of the air [illegible] p.31
[illegible], I.M. [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible], [illegible] p.[illegible]
[illegible], [illegible] p.[illegible]
[illegible], [illegible] Soviet literature on hygiene and sanitation for the second half of 1961. p.1[illegible]

Vol. 2[illegible], no. [illegible], [illegible] 196[illegible]

Table of contents translated:

[illegible], [illegible] Experimental data on determination of the maximum permissible simultaneous concentration of carbon disulfide and hydrogen sulfide in the air. p.3.
[illegible], [illegible] Effectiveness of [illegible] of water of the Northern Donets-Donbas Canal for drinking purposes. p.9.
[illegible], [illegible] Effectiveness of water disinfection with ultraviolet rays. p.14.
[illegible], [illegible] Use of ion exchange resins for the removal of trace contamination of nitrates from drinking water. p.18.

[illegible], [illegible] Data on the hygienic standards of [illegible] concentration in the air in working areas. p.21.
[illegible], I.A., [illegible], [illegible], [illegible], [illegible] Effect of some toxic substances on serum proteins. p.26.
[illegible], [illegible] Characteristics and phage typing of pathogenic staphylococci isolated from workers in a confectionery factory. p.3[illegible].
[illegible], [illegible] School health activity in the first years of the Soviet regime. p.36.
[illegible], [illegible] [illegible] book "[illegible]" p.41.
[illegible], M.A. Methods of detecting [illegible] and separate determination of [illegible] in the air. p.40.
[illegible], D.P. The oldest sanitary-epidemiological station in the U.S.S.R.; on the 40th anniversary of the [illegible] Sanitary-Epidemiological Station. p.4[illegible].
[illegible], [illegible], [illegible], [illegible] Improving the sanitary inspection of hospitals and children's preschool institutions. p.5[illegible].
[illegible], [illegible] Experience in improving sanitary conditions in [illegible] p.5[illegible].
[illegible], [illegible] Experience in the scientific and practical work of public health physicians of the U.S.S.R. in the field of communal hygiene. p.6[illegible].
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] waters. p.[illegible]
[illegible], [illegible], [illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible], [illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] [illegible] p.[illegible]
[illegible], [illegible] Effect of gamma [illegible] on the [illegible] p.10[illegible].
[illegible], [illegible], [illegible], [illegible] An outbreak of food poisoning caused by [illegible] p.1[illegible].
[illegible], [illegible] [illegible] Conference on the Hygiene and [illegible] p.1[illegible].
[illegible], [illegible] [illegible] school hygiene [illegible] p.10[illegible].
[illegible], [illegible] Review of the book "Manual of hygiene for rural regional and public health physicians." p.10[illegible].
[illegible], [illegible] Soviet literature on hygiene and sanitation (first half of 1961). Hygiene of children and adolescents. p.10[illegible].
On the 70th birthday of [illegible] p.112.
Brief news and information. p.11[illegible].
Report on the periodical "Gigiena i sanitariia" for 1962. p.11[illegible].

Vol. 2[illegible], no. [illegible], Aug 196[illegible]

Table of contents translated:

[illegible], V.A., and others. Correlation between concentrations of 3,4-benzopyrene and carbon [illegible] in automobile exhaust gases. p.3.
[illegible], [illegible] Substantiation of the maximum permissible concentration of [illegible] in water reservoirs. p.8.
[illegible], A.[illegible] Disposal of waste water contaminated with radioactive substances. p.14.
[illegible], A.[illegible], and others. Hygienic evaluation of sewage [illegible] p.19
[illegible], [illegible] Effect of atmospheric [illegible] p.[illegible]

Burkatskaia, E.N. - Effect of the gamma-isomer of hexachlorocyclohexane on the immunobiological reactivity of the body. p. 25.
[illegible], V.P. - Hygienic evaluation of artificial lighting in a metal workshop of an 8-year general school. p. 33.
Poltaev, M.I. - Colorimetric method of determining monoisopropyldiphenyl in the air. p. 40.
Klimkina, N.V. - Experience with the use of the Kretselius-Zeifert colorimetric method for determining blood sugar (P.A. Borisov's modification) in experimental examinations. p. 42.
Lastkov, O.A. - Teaching radiation hygiene. p. 45.
Cherkasov, E.F. - Teaching radiation hygiene at sanitary departments of medical institutes. p. 48.
Katsitadze, F.V. - Practical training of students at sanitation and hygiene faculties. p. 52.
Dodonov, V.N., Kasparov, A.A. - Experience with practical training of students of sanitation and hygiene faculties. p. 53.
Smoliak, A.A., Rozenfel'd, A.S. - Experience with the organization of summer practical training for students. p. 56.
Kuryndin, G.M., Orlovskaia, G.E., Dinkevich, I.G. - Experience in the hygienic evaluation of combustion products discharged in the air by the smelting department of a metallurgical plant. p. 58.
Andreeva, M.S. - Fluorine in the natural waters of the Chuvash A.S.S.R. p. 59.
IAkubova, R.A. - Sanitary-hygienic preparation of the reservoir bed in Uzbekistan before filling it with water. p. 61.
Veldre, I.A., Tikhon, N.N. - Effect of inshore winds on the Pärnu River. p. 64.
Ozhiganov, I.N. - Waste waters from casting machines in metallurgical factories and their decontamination. p. 66.
TSapko, V.V. - Pollution of ground waters in irrigated agricultural fields. p. 68.
Pritaliuk, M.S., Doroshenko, V.P. - Hygienic evaluation of school construction in the southern Ukraine. p. 70.
Timomeeva, R.A., IAkutina, E.V. - Outbreak of food toxinfection caused by Salmonella paratyphi C. p. 73.
Lodge, James R. - Methods of analyzing air pollution in the U.S.A. p. 75.
Luchina, K.I. - Hygienic problems in teaching and school construction in Sweden. p. 79.
Tiushin, IU.I. - Schools with two-sided classroom lighting. p. 83.
Korenevskaia, E.I., Rogachevskaia, L.G. - Concerning architect I.I. Tiushin's article "Schools with two-sided classroom lighting." p. 87.
Meshchenko, V.M. - Chemical composition of natural waters in Transcarpathia. p. 91.
Kleiner, A.I. - State of capillary blood circulation in workers of the chromium industry. p. 92.
Barliaeva, Z.P., Velichko, A.A., Prokof'eva, N.G. Radioactivity of some building materials. p. 94.
Shitskova, A.P., Aksiuk, A.F. - Acitvity of the Leningrad and Gorkiy branches of the All-Russian Scientific Medical Society of Hygienists and Public Health Physicians. p. 96.
Lazutka, F.A., Bite, A.P. - Activity of the Lithuanian Scientific Society of Hygienists and Public Health Physicians in 1962. p. 97.
Kniazhinskii. B.P. - Activity of the periodical "Gigiena i sanitariia." p. 98.
Bujakas, J.J. - Conference of the readers of the periodical "Gigiena i sanitariia." p. 98.
Efendi-Zade, M.M. - Review of P.M. Lerner's book "Hygienic problems in the planning of housing in hot climate regions." p. 100.
Review of V.A. Baraboi's book "Hygiene of new houses in the Virgin Territory. p. 102.
Petrov, B.D. - Review of the book "Materials on the history of hygiene and sanitation in the Ukraine." p. 103.
Lastkov, O.A., Grin', N.V. - Review of V.N. Uzhov's book "Sanitary protection of the air." p. 104.
Lavrova, L.N. - Review of E.I. Lotova's book "Russian itelligentsia and the problems of public health." p. 105.
Nevskii, V.A. - Soviet literature on hygiene and sanitation; second half of 1962. p. 107.
Korotkov, V. - Introduction of the international system of units in the U.S.S.R. p. 118.
Anna Vasil'evna Rudchenko; on her 70th birthday. p. 122.
Professor V.I. Suzdal'skii; an obituary. p. 123.
Brief news. p. 124.

Vol. 28, no. 10, Oct. 1963.

Table of contents translated:

The agreement on the prohibition of the atomic weapon tests. p. 3.
Symon, K., and others. - Etiology, pathogenesis and prevention of nutritional methemoglobinemia in breast-fed babies. p. 7.
Shantarenko, I.V. - Phage titer growth reaction as a method for the indication of Shigella dysenteriae. p. 13.
Lipinska, R.K. - Effect of ultraviolet rays on the dehydrase action of bacteria of the enterotyphous group. p. 19.
Chernilovskaia, R.M., Kotova, E.L. - Rational artificial lighting of proofreading sections of printing houses. p. 23.
Arkhipova, O.G., Kochetkova, T.A., Shinkarenko, B.N. - Toxic properties and biotransformation of benzotrichloride. p. 30.
Preobrazhenskaia, N.N. - Hygienic evaluation of the school and industrial training regime of ninth-grade students. p. 35.
Bazanov, V.A. - F.F. Erisman and the hygiene department of the Moscow University; according to new documents. p. 40.
Kiktenko, V.S., Kudriavtsev, S.I., Pushchin, N.I. - Comparative evaluation of the effectiveness of bacteria catchers in determining the concentration of a bacterial aerosol. p. 45.
Suvorova, S.N., Vorob'ev, A.M., Rabovskii, G.V. - Determination of fluorine and hydrogen fluoride in the air by means of a solid sorbent. p. 48.
Bannikova, L.A. - An accelerated method of detecting Escherichia coli. p. 50.
Stiazhkina, A.A. - Effectiveness of biological methods of cleaning industrial sewage from enterprises of organic synthesis. p. 52.
Tepikina, L.A., Patrina, G.V. - Experience in sanitary evaluation of the cleaning system of Traktorozavodsk District of Cheliabinsk. p. 57.
Fedorets, B.A. - Characteristics of natural ultraviolet radiation in Vladivostok. p. 58.
Zolotnitskii, IA.I. - Provision and control of vitamin-C sufficiency in the daily food ration under conditions of the Kola Arctic regions. p. 61.
Tambovtsev, P.D. - Organization of physical training in a children's sanatorium. p. 62.
Izutkin, A.M. - The Program of the CPSU and some methodological problems of social hygiene. p. 65.
Riazanov, V.A. - December fog in England. p. 71.
Osipov, IU.A., Kaliada, T.V. - Skin temperature reaction during irradiation by microwaves of low intensity. p. 73.
Shepelin, O.P. - Standardization of transport noises; apropos of the plan of standards by the engineer E.V. Bobin. p. 78.
Kirpichev, M.P. - Inhibiting effect of some anions on the effect of fluorine absorption by KU-2 and EDE-10 ion-exchange resins. p. 81.
Evdokimova, E.V., Lebedeva, I.V. - Hygienic characteristics of the aerial method of control of water rats in the use of arsenic preparations. p. 82.
Kryzhanovskaia, M.V. - The Fourth Plenum of the Ukrainian Scientific Society of Hygienists. p. 84.
Shepelin, O.P. - Scientific Conference of Sanitation Specialists of Amur Province. p. 86.
Nikogosian, Kh.A. - Discussion of the work of the periodical "Gigiena i sanitariia." p. 87.
Koriakin, I.S., Mukhina, N.S. - Readers' conference. p. 87.
Gorbov, V.A. - Problems of soil hygiene in the transactions of the Uzbek Scientific Research Institute of Sanitation, Hygiene and Occupational Diseases, 1959-1961. p. 89.
Nevskii, V.A. - Soviet literature on hygiene and sanitation for the second half of 1962; industrial hygiene and occupational diseases. p. 91.
In memory of M.S. Gershenovich. p. 106.
Brief news and information. p. 107.

Vol. 28, no. 11, Nov. 1963.

Table of contents translated:

Smulevich, B.IA. - Evolution of bourgeois social hygiene. p. 3.
Kuperman, E.F. - Standardization of hexavalent chromium in the atmospheric air. p. 9.
Rudeiko, V.A. - Cutaneous vascular reactions in the aged to vertical drops in the air temperature of living quarters. p. 17.
Murav'eva, G.I. - Hygienic evaluation of the microclimate of residential blocks in towns of the North in the cold season of the year. p. 22.
Abramovich, G.A. - Frequency of the manifestation of various serotypes of Escherichia coli in reservoirs and their characteristics. p. 28.
Shakhbazian, G.Kh. - Ways of further development of industrial hygiene and physiology. p. 32.
Burkatskaia, E.N., Voitenko; G.A. - Basis of the maximum permissible concentration of DDT in the air of working premises. p. 36.
Shcherbakov, G.G. - Toxicology of metallic antimony. p. 39.
Gritsevskii, M.A., Konovalov, V.F., Tartygin, N.A. - Characteristics of shift work of operators at continuously running chemical plants. p. 44.
Kovbasenko, V.M. - Sources of contamination of meat and sausages by micro-organisms under production conditions. p. 49.
Bashkirova, L.S., Malinina, I.A. - Hygienic characteristics of practical training of turner students at a trade school. p. 54.
Tikhomirov, K.V. - Ivan Dmitrievich Flavitskii (1828-1887) and his role in the development of hygienic bases of heating and ventilating [illegible] on the 75th anniversary of his death. p. 5[illegible].
Krichagin, V.I., Kazantseva, L.B., Afanas'eva, R.F. - Number of points for obtaining the weighted average of heat flow from the surface of the human body. p. 63.
Miterov, G.A., Cherkasov, E.F., Kozlova, T.A. - Reorganization of instruction in the course on general hygiene at sanitary hygiene departments of medical institutes. p. 67.
IAnysheva, N.IA., Kireeva, I.B., [illegible], N.N. - Content of 3,4-benzpyrene in petroleum bitumen. p. 71.
Al'pern, L.L. - Hygienic evaluation of noise from experimental models of shuttle and [illegible] looms. p. 73.
Volkov, B.S. - Effectiveness of short physical exercises in the middle of the school day for students in the 5th-8th grades. p. 7[illegible].
Vladimirov, D.D. - The International [illegible]. p. 83.
Gimadeev, M.M. - Role of paraffin in the blastomogenic action of petroleum; apropos of the article by Prof. D.D. Shapiro and I.IA. Getmanets "Blastomogenic properties of some types of petroleum from various deposits." p. 87.
Seidov, I.M. - Soil method of decontaminating industrial sewage containing cobalt and tungsten. p. 93.
Kaliuzhnyi, D.N., Kryzhanovskaia, M.V. - The Ukrainian Scientific Society of Hygienists in 1962. p. 97.
Krotkov, F.G. - Abstracts. p. 100.
Nikolai Fedorovich Galanin. p. 103.
Petr Grigor'evich Sergiev. p. 104.
Lomovskii, A.M. - Review of Prof. S.N. Cherkinskii's book "Sanitary conditions of sewage discharge into reservoirs." p. 105.
From the editors: Apropos of the review by A.F. Oshchepkova, T.L. Bruk-Levinson and I.I. Bezel' of Prof. S.N. Cherkinskii's book "Sanitary conditions of sewage discharge into reservoirs." p. 108.
In memory of P.K. Aggeev. p. 109.
Nevskii, V.A. - Soviet literature on hygiene and sanitation for the second half of 1962; industrial hygiene and occupational diseases. p. [illegible]
Brief news and information. p. 124.

Vol. 28, no. 12, Dec. 1963.

Table of contents translated:

Vrochinskii, K.K. - Experimental data on the decontamination of water with ozone. p. 3.
Soliuzhitskii, G.V. - Materials for the basis of the maximum permissible concentration of trifluorochloropropane in the water of reservoirs. p. 9.
Kapkaev, E.A. - Basis of the maximum permissible concentration of α-methylstyrol in the air of industrial plants. p. 14.
Roshchin, I.V. - Hygienic evaluation of dust of slags containing vanadium. p. 23.
Krepkogorskii, L.N. - Fluorine in the traditional diet of the population of the Democratic Republic of Vietnam and endemic fluorosis. p. 3[illegible].
Silla, R.V. - Effect of physical education [illegible] the development of students. p. 35.
TSenterova, L.G. - State of the cardiovascular system in persons working with radioactive phosphorus. p. 42.
Kamenkov, K.A. - First scientific work on sanitary demographic statistics; on the 300th anniversary of the publication of Graunt's statistical work on bills of mortality. p. 46.
Bordnikov, A.I. - Determining potassium in the soil. p. 49.
Gudzovskii, G.A., Shcherbakov, G.G. - A method of determining industrial aerosols of antimony and its compounds. p. 50.
Izvozchikova, V.A., and others. - Evaluation of the phage titer growth reaction in analyzing water from open reservoirs. p. 54.
Dormant, V.A., Rubanov, G.P. - Experience in the organization of medical examinations of miners. p. 58.
Cherkinskii, S.N., Loranskii, D.N. - Draft instructions on the sanitary protection of the sea. p. 62.
Itskova, A.I. - Hygienic characteristics of waters cooling thermoelectric power stations as a source of supply of drinking water. p. 66.
Teterina, A.G. - Some improvements in the design of standard apartments of the I-447c series. p. 69.
Dmitrieva, N.V., Dukhovnaia, A.I., [illegible] - Means of decreasing the concentration of solvents in the air of chemical clothes-cleaning plants. p. 71.
Gofman, M.Z. - Improvment of working conditions in industries using mercury as a catalyzer. p. 73.

Smirnova, E.T. - Some recommendations on the building of consolidated preschool institutions (crèche and kindergarten). p.77.
Koval'skii, V.V., Baranov, V.I., Sinel'nikov, V.E. - Problem of biogeochemistry in radiation hygiene. p.81.
Izmerov, N.F., Nedogibchenko, M.K. - Acquaintance with the problem of sanitary protection of the atmospheric air in the U.S.A. p.87.
IUvzhenko, F.I., Novofastovskii, D.D. - Apropos of the article by Prof. L.N. Kushakovskii and chemist R.I. Teplitskaia "Contamination by metallic mercury of physics laboratories at secondary schools" from the Dnepropetrovsk City Sanitary-Epidemiologic Station. p.96.
Natykach, IA.T. - Apropos of the article by V.V. Vorob'ev "Use of rosolic differential culture medium for examination of objects by the method of washings." p.97.
Grigor'eva, L.V., Botsman, N.E. - Preservation of viable Coxcaskie viruses A-5 and A-7 in water. p.99.
Beletskii, V.S. - Sources of pollution of the atmospheric air in an area of iron-ore mines. p.102.
Politov, A.K. - Control of flies in Groznyy. p.102.
Prokhorov, A.M. - Hygienic evaluation of working conditions in the manufacture of mercury rectifiers. p.103.
Shitskova, A.P., Ivanov, A.IA. - Results and problems of scientific studies in hygiene in the R.S.F.S.R.; All-Russian Scientific Conference of Hygienists and Sanitation Specialist. p.104.
Krotkov, F.G. - Abstracts. p.109.
Shafir, A.I. - Review of Prof. M.L. Koshkin's monograph "Decontamination of air in children's and therapeutic institutions by artificial ultraviolet radiation." p.110.
Krichagina, N.B. - Review of the Transactions of the Institute of Radiation Hygiene "Ultraviolet radiation and its hygienic significance." p.111.
Nevskii, V.A. - Soviet literature on hygiene and sanitation for the second half of 1962 and first half of 1963; food hygiene, various problems, and communal hygiene. pp.113, 120, 121.
In memory of M.M. Efendi-Zade. p.128.
In memory of Marin Gerasimovich Markarian. p.129.
List of articles, abstracts and reviews published in the periodical "Gigiena i sanitariia" in 1963. p.130.

Vol. 29, no. 1, Jan. 1964.
Table of contents translated:
Krotkov, F.G. - Tasks of the society of hygienists in connection with the decisions of the June Plenum of the Central Committee of the CPSU. p.3.
Gavrilova, L.I. - Experimental basis of the maximum permissible concentration of 2,4-dichlorophenoxy-γ-butyric acid in water of reservoirs. p.12.
Lebedeva, A.P., Tolstoshei, O.N. - Pollution of the soil with the use of hexachlorane in regions of sugar beet cultivation in the Ukraine. p.16.
Belikova, V.K. - Hygienic evaluation of experimental specimens of window pane. p.21.
Varin, I.E. - Occupational hazards in work with medical ultrahigh-frequency generators. p.28.
Matiushonok, M.T. - Prevention of flatfoot in a kindergarten. p.35.
Georgiev, D. - Dynamic observations of the physical development and the motoricity of children in kindergartens of Sofia. p.40.
Enikeev, M.I. - Some problems of radiation protection in the therapeutic use of radioactive iodine. p.44.
Mirskii, M.B. - Medical press in the struggle for better health conditions in the country during the first years of Soviet power, 1918-1920. p.49.
Malinkovskii, N.N. - N.I. Kashin as a hygienist. p.53.
Gusarov, I.I., Liapidevskii, V.K. - Evaluation of methods for determining air pollution with daughter products of radon. p.56.
Suvorova, S.N., Vorob'ev, A.M., Rabovskii, G.V. - An express method for determining elementary fluorine in the air. p.65.
Danilovich, B.A. - Transfer of some functions of sanitary-epidemiologic stations in the field of housing and municipal sanitation to public organizations. p.68.
Kusraeva, Z.IU. - The community and the sanitation specialist. p.71.
Vavilin, P.A., Gavrilov, N.I. - Personnel reinforcement of sanitary-epidemiologic stations, an urgent task; according to annual reports of sanitary-epidemiologic stations of the R.S.F.S.R. for 1961 and local inspections. p.74.
Cherniak, IA.I., Khozanov, L.M. - From experience in the work of the City Sanitary-Epidemiologic Station of Dnepropetrovsk on the control of the supply of drinking water. p.78.
Prokhorov, M.A. - Improvement of the drinking regimen at the Ural Electrical Apparatus Works. p.79.
Kurchatov, V.I., and others. - Experience in the control of flies in Krasnodar. p.80.
Tiunov, L.A. - Toxicology of organic peroxides. p.82.
Vrba, I., Klein, O. - Teaching of hygiene at the medical department of Charles University in Prague. p.88.
Kropkogorskii, L.N. - Defluorination of water during natural freezing under conditions of Central Kazakhstan. p.91.
Kosmodamianskaia, D.M. - Hygienic evaluation of the microclimate of prefabricated panel-type houses under conditions of the trans-Volga region. p.93.
Bugrova, V.I. - Biological characteristics and phage type of pathogenic staphylococci isolated from the air. p.94.
Kambaratov, P.I. - Food poisoning of a non-Salmonella origin. p.95.
Zhirnova, G.E., Okhrimenko, A.P. - Problems of industrial hygiene in the porcelain industry. p.96.
Grigor'ev, Z.E., Osipov, IU.A., IUrkevich, A.IA. - Scientific session dedicated to the results of the work of the Leningrad Scientific Research Institute of Industrial Hygiene and Occupational Diseases during 1961-1962. p.100.
Gabovich, R.D. - All-Union scientific and technical conference on the ozonization of water and the choice of a rational type of ozonization station. p.103.
Nikogosian Kh.A. - Work of the Kuybyshev Section of the Scientific Society of Hygienists and Sanitation Specialists in 1962. p.105.
Kubiak, O.K., Mamsikov, A.Z. - Republican conference of industrial sanitation specialists on problems of industrial hygiene in agriculture of the Ukraine. p.106.
Vavilin, P.A. - Activities of the All-Russian Scientific Medical Society of Hygienists and Sanitation Specialists in 1962. p.107.
Gutkin, A.IA. - Abstracts. p.111.
Gimadeev, M.M. - Problems of industrial hygiene in "Kazanskii meditsinskii zhurnal," 1962. p.112.
Petrovskii, K.S., and others. - "Methodical manual for practical training of students in food hygiene" by I.P. Barchenko and others. p.113.
Vialov, A.M. - "Vibration sickness" by E.TS. Andreeva-Galanina, E.A. Drogichina, V.G. Artamonova. p.114.
From the editors: Apropos of A.S. Mel'kumova's review on the book "Vibration sickness" by E.TS. Andreeva-Galanina, E.A. Drogichina and V.G. Artamonova. p.116.
Nevskii, V.A. - Soviet literature on hygiene and sanitation for the first half of 1963; communal hygiene. p.117.

Vol. 29, no. 2, Feb. 1964.
Table of contents translated:
Solomin, G.I. - Experimental data for the hygienic basis of maximum permissible single concentrations of isopropylbenzol and isopropylbenzol hydroperoxide in the atmospheric air. p.3.
Rodinonova, L.F. - Experimental basis of the maximum permissible concentration of monoethanolamine in reservoirs. p.9.
Slepak, N.I., Tepliakova, R.V. - Hygienic evaluation of artificial upholstery leather made of a polyvinyl chloride base. p.17.
Tikhova, T.S. - Problems of industrial hygiene in the production of metallic thallium and its salts. p.23.
Pal'tsev, IU.P. - Basic problems of industrial hygiene in cleaning boiler plants at modern electric power stations. p.28.
Dzhumabaev, A. - Problems in the prevention of pneumoconiosis at the lead mines of Kirghizia. p.33.
Golubev, V.V. - Traumatism in agricultural machine operators. p.37.
Dubrovina, Z.V., Belova, O.M. - Changes in the strontium-90 content of food products after cooking. p.40.
Terent'eva, G.V. - Hygienic evaluation of children's winter clothing made from poralon. p.43.
Semanov, S.N. - Sanitary conditions of workers' districts in Petersburg at the beginning of the 20th century. p.49.
Drugov, IU.S. - Detection of acetophenone in the sewage of organic synthesis plants and in open reservoirs. p.56.
Gumener, P.I., Dadashev, R.S., Sapozhnikov, V.S. - A method of automatic mechanochronometry of physical labor. p.58.
Gol'dman, E.I. - Experience in using a mobile physiologic and hygienic laboratory in the timber industry. p.63.
Vorob'ev, V.V. - Use of the Siroko medium in sanitary bacteriologic examinations of washings of objects coming in contact with food. p.70.
Dmitrochenko, A.S. - Enriching of underground water-bearing horizons in Ivano-Frankovsk. p.73.
Zagaevskii, I.S. - A complex of hygienic measures in mechanical milking. p.76.
Ermakova, N.A. - Experience in sanitary expert opinion on school building designs. p.79.
Petrovskii, K.A. - Vitamin C in the prevention of atherosclerosis. p.83.
Shuvalova, T.I., Demchev, V.I., Gunchev, A.V. - New ultraviolet irradiators. p.86.
L'vovich, D.B. - Organization of a factory physician's work in an industrial enterprise. p.93.
Egorov, IU.L. - Letter to the editors. p.95.
Davydov, S.A., and others. - Pollution of the atmospheric air with discharges from mining concentration plants. p.96.
Lazarenko, D.I., and others. - Toxicity of water enriched with silver ions. p.98.
TSapko, V.G. - Toxicity of petroleum growth substance (NRV). p.100.
Il'in, B.N. - Effect of strontium-89 on the microflora of a biological filter. p.102.
Brisker, A.D. - A case of food poisoning caused by Proteus. p.104.
Markova, Z.S. - Hygienic properties of new fabrics for school uniforms made of wool with an admixture of synthetic and artificial fibers. p.105.
Krotkov, F.G. - Abstracts. p.109.
Hygienic requirements for the organization and equipment of sanitary facilities for builders. p.110.
Nevskii, V.A. - Soviet literature on hygiene and sanitation for the first half of 1963; industiral hygiene and occupational diseases. p.115.
Brief news and information. p.124.

Vol. 29, no. 3, Mar. 1964.
Table of contents translated:
Volkova, Z.A. - Large-scale chemistry and problems of industrial hygiene. p.3.
Grigor'eva, K.V. - Pollution of the atmospheric air with maleic anhydride. p.8.
Abramovich, G.A., and others. - Hygienic evaluation of the work efficiency of slow filters of the All-Union Scientific Research Institute of Hydraulic Engineering and Melioration design for rural water pipes. p.12.
Fedorenko, Z.P. - Effect of the biochemical purification of sewage of a coke chemical plant on the content of 3,4-benzpyrene. p.17.
Kuznets, E.I., Suvorov, N.N. - Use of biologically active synthetic preparations for raising the thermal resistance of the body. p.19.
Arkhangel'skaia, L.N. - Comparative evaluation of silicon dust and some of its compounds. p.24.
Popov, V.I. - Effect of nitrates and nitrities on food assimilability. p.28.
Kel'shtein, L.IA. - Effect of winter bathing in an outdoor swimming pool on the body hardening of young schoolchildren. p.31.
Mamedov, A.M. - State of vitamin C and B_1 provision in adolescents exposed to the action of hydrocarbons. p.39.
Stefanov, Zh. - Endemic nephritis in Bulgaria and a sanitary-epidemiologic study of its etiology. p.43.
Nesterenko, A.I. - Legal educational societies of workers in Russia and the dissemination of medical knowledge by them. p.49.
Manita, M.D., Melekhina, V.P. - Spectrophotometric method of detecting nitric and hydrochloric acids in the presence of nitrates and chlorides in the atmospheric air. p.53.
Skornetskii, V.M., Mironov, P.S. - Method of measuring general vibrations. p.56.
Dukhin, L.Kh. - Z.P. Solov'ev on the training of a sanitation specialist's assistant. p.59.
Petrov, V.I., Sheliug, M.IA., Levitov, V.V. - Planned thematic work as a means of improving the qualification of practitioners. p.61.
Beliaev, I.I. - Experience in using polyacrylamide in the purification of drinking water. p.64.
Zol'nikova, N.I., and others. - Protection of workers in adjoining premises and of the surrounding population against radiation from therapeutic gamma units. p.66.
Andreeva-Galanina, E.TS., Bruskin, Z.Z. - Effect of oil aerosols on the body during inhalation; a short survey of the literature. p.70.
Perotskaia, A.S. - International symposium on the sanitary protection of atmospheric air. p.74.
Belostotskaia, E.M., Sharova, M.A. - Congress of the Polish association of hygienists on rural hygiene. p.76.
Shtabskii, B.M. - Hygienic evaluation of the body's reaction to external actions. p.79.
Chizhikov, V. - Concerning B.M. Shtabkii's article "Hygienic evaluation of the body's reaction to external actions. p.81.

Kamyshenko, I.D., and others. - Clarification of two points in the method of individual dosimetric control. p. 83.

Ivanova, E.N. - Bacteriological characteristics of the air in a preschool institution. p. 84.

Ostrovskii, M.M. - Toxicology of the vapors of quaiacol and its resin. p. 85.

Model', A.A. - Clinical aspects of occupational polyneuritis in glassworkers who cut and break off the glass. p. 88.

Zabugina, E.A., and others. - Trace elements in the external environment and the endemic enlargement of the thyroid gland. p. 91.

Florinskii, V.A., Smirnov, M.P. - Sanitary condition of the Uvod' River in the region of Ivanovo. p. 94.

Pertsovskaia, M.I. - Bacterial self-purification of soil under conditions of the Far North. p. 97.

Atbinder, R.M., and others. - Final scientific session of the Novosibirsk Scientific Research Sanitary Institute of the Ministry of Public Health of the R.S.F.S.R. p. 100.

Preobrazhenskaia, N.N., Nikolaev, A.N. - Results of a scientific session. p. 102.

Chernousova, L.N. - Scientific and practical conference on the medical service of adolescents. p. 103.

Sheinin, B.IA. - Interprovincial conference on the improvement of working conditions in foundries. p. 103.

Miller, S.V. - Activities of the periodical "Gigiena i sanitariia" in 1962. p. 105.

Sixtieth anniversary of the birth of L.A. Arutiunian. p. 106.

Seventieth anniversary of the birth of V.S. Chetverikov. p. 107.

Shafir, A.I. - "Microclimate of living quarters and its hygienic standardization" by M.S. Goromosov. p. 108.

Barabol, V.A. - "Microclimate of living quarters and its hygienic standardization" by M.A. Goromosov. p. 110.

Smolianskii, G.B., and others. - "Hygienic bases for planning, building and equipping schools and preschool institutions for children" by S.E. Sovetov and G.N. Serdiukovskaia. p. 111.

Mikheikin, V.IA. - "Morbidity of industrial workers and preventive medical service for them" by I.D. Bogatyrev. p. 112.

Soviet literature on hygiene and sanitation; during the first half of 1963:

Industrial hygiene and occupational diseases. p. 115.

Brief news and information. p. 123.

Current data on the periodical "Gigiena i sanitariia" for 1963. p. 124.

Vol. 29, no. 5, May 1964.

Table of contents translated:

Pokrovskii, V.A. - Large-scale chemistry and the basic problems of hygiene. p. 3.

IAnysheva, N.IA., and others. - Cancerogenic properties of coke-oven discharges. p. 7.

Kaliuzhnyi, D.N., and others. - Hygienic evaluation of new housing construction in villages of the Ukrainian S.S.R. p. 10.

Shvartsman, I.E. - Materials for the hygienic standardization of the content of perfluoroisobutenyl ethyl ether in reservoir water. p. 13.

IUst, IA., Dozhan'ska, V., Zemin'ska, S. - Studies on the disinfection of sewage containing sporiferous micro-organisms. p. 20.

Liubetskii, Kh.Z., Gurevich, B.E. - Problems of health protection in connection with chemical treatment of plants in Central Asia. p. 22.

Riabova, A.I. - Pneumoconiosis morbidity among coal miners of the Kuznetsk Basin. p. 27.

Filippov, IU.M. - Biosynthesis of ascorbic acid in the organs of white rats under the effect of chlorophose. p. 30.

Perelygin, V.M. - Experience in the study of the effect of dust on various tissue cultures. p. 34.

Pochenkina, S.M. - Role of iodine in drinking water and foodstuffs in the development of endemic goiter. p. 37.

Sinitsyn, S.N., Rumiantsev, G.I., Voronova, K.V. - Some shifts in the carbohydrate metabolism under the effect of total vibration. p. 44.

Vainrub, E.M., Rudkovskaia, L.F., IAkovenko, G.I. - Hygienic evaluation of the organization of practical training of students in livestock breeding. p. 48.

Blizeev, V.I. - Equipment of the UAZ-450a sanitation car for sampling atmospheric air under field conditions. p. 53.

Khil'ko, V.M. - Collecting botulin aerosols by means of a foam-gelatine filter. p. 55.

Makhtinger, A.I., Rundal'tseva, N.N. - Method of testing ocular fatigue in children. p. 57.

Gabovich, R.D., Gots, IU.D. - New curriculum of the sanitary hygiene department and experience in its realization. p. 62.

Vavilin, P.A. - Forty years of work of the F.F. Erisman Moscow Institute of Hygiene in training sanitary personnel. p. 66.

Cherniakova, E.T. - From experience in preventive sanitary inspection in constructing a new town. p. 70.

Shevchenko, A.M., Bazhan, A.P., Parfenenko, L.S. - Dust control measures in sinking vertical mine shafts. p. 74.

Tarasov, L.A. - Physical development of children of preschool age in Murmansk. p. 77.

Gofmekler, V.A. - Problem of sanitary protection of the atmospheric air within the framework of the Council of Economic Mutual Aid. p. 80.

Symposium on Health Protection and Accident Prevention in Mining and Processing Nuclear Materials. p. 82.

Kiselevich, G.A. - Apropos of V.M. Meshchenko's article "Role of some sanitary factors in the etiology of goiter." p. 85.

Podrazhanskii, A.S. - Apropos of V.M. Meshchenko's article "Role of some sanitary factors in the etiology of goiter." p. 87.

Zabugina, E.A., and others. - Trace elements in water feeding various aquifers in the Saratov Province. p. 88.

Ustinov, G.N., Taflevich, B.I. - Influence of orientation to the cardinal points on the lighting of habitable rooms. p. 91.

Shinkarenko, V.E. - Hygienic evaluation of natural lighting of hospital corridors. p. 92.

Pavlova, N.S., and others. - Examination of the air in iron-ore mines for the content of mercury vapors after the use of mercury fulminate-tetryl detonators. p. 94.

Mezentseva, N.V., Mogilevskaia, O.IA., Roshchina, T.A. - Materials on the effect of oxides of rare-earth metals on the body. p. 97.

Shpirt, M.B., Ershova, V.I., Perelygin, V.M. - Some occupational diseases of workers at cocoon-winding shops. p. 101.

Mukhin, I.E., Terman, A.V. - Second Ukrainian Republican Scientific and Practical Conference on Radiation Hygiene. p. 104.

On the 70th birthday and the 47th anniversary of the medical, pedagogical and scientific activities of Nikolai Nikolaevich Litvinov. p. 106.

Stromskaia, E.P., Kardashenko, V.N. - "Manual on the hygiene of children and adolescents" edited by Prof. M.I. Korsunskaia. p. 107.

From the editors: Apropos of the review of N.N. Preobrazhenskaia, M.L. Sushkovaia-Kiakhovich and A.G. Korepanova on the "Manual on the hygiene of children and adolescents" edited by Prof. M.I. Korsunskaia. p. 108.

Danilovich, B.A. - "Electric steel" by IA.I. Malokhov and N.A. Pekareva. Edited by P.A. Volodin. p. 109.

Genyk, S.N. - "Life of Daniil Zabolotnyi" by G. Golubev. p. 110.

Nevskii, V.A. - Soviet literature on hygiene and sanitation for the first half of 1963; radiation hygiene. p. 112.

Highest permissible concentrations of harmful substances in the atmospheric air of residential districts. p. 119.

Sanitary standards and instructions for the insolation of apartment houses and public buildings and for the construction of apartment houses in residential districts. p. 120.

Sanitary instructions on the use of domestic refuse on the fields of collective and state farms. p. 122.

Brief news and information. p. 124.

h. SURGERY & DENTISTRY

EKSPERIMENTAL'NAIA KHIRURGIIA I ANESTEZIOLOGIIA [EXPERIMENTAL SURGERY AND ANESTHESIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 8, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Braines, S.N., Svechinskii, V.B. - Elements of a general theory of the control in the body. p. 3.

Rapoport, K.M. - Treatment of postoperative air embolism by increased atmospheric pressure. p. 8.

Akhmetov, A.M., Rubetskoi, L.S. - Reaction of the cardiovascular system to the administration of contrast medium into the cavity and myocardium of the left heart ventricle. p. 13.

IAvorskii, V.V., Mushegian, S.A., Trapeznikov, N.N. - Experimental and clinical bases for using the extracorporeal circulation apparatus AIK-RP-62 for regional perfusion. p. 16.

Poliakov, V.M. - Application of a vascular suture using new instruments. p. 19.

Lopatenok, A.A., and others. - Synthesis of iodinated cellulose derivatives and experimental checking of the products obtained for possible use in surgical practice. p. 21.

Doletskii, S.IA., Sapelkina, I.M. - Implantation of capron tissue used for repairing diaphragmatic defects under experimental conditions. p. 28.

Dogliotti, A.M. - Surgical treatment of fibro strictures of the bile ducts. p. 31.

Borovkov, S.A., Bliuger, A.F. - Effect of liv surgery on the activity of some enzymes in t blood serum. p. 34.

Serga, V.I. - Blood sugar levels in dogs follow subtotal resection of the pancreas and pancre duodenal resection. p. 37.

Gurtskaia, Sh.A. - Lymphatic vessels in the a of the postoperative cicatrix of the small int p. 40.

Selitskaia, S.S. - Experimental data on the sur treatment of female sterility. p. 43.

Zalialiutdinova, S.Z. - Skin grafting following excision of a deep burn wound at the site of a acute radiation injury under experimental co tions. p. 45.

Komendantova, A.L., Bolomanov, K.V. - Poss of using Belen'kii's serum in the treatment o complex lesions. p. 47.

Zhorov, I.S., and others. - Some problems in t use of muscle relaxants in contemporary anes ology; questionnaire data. p. 49.

Pashorstnik, L.A. - Use of short-acting relax in the diagnosis of invagination in children. p

Kuzin, M.I., Zhukovskii, V.D., Sachkov, V.I. - Use of interferential currents in combined ane thesia in surgery. p. 57.

Zubareva, R.A. - Changes in the EEG in hypoth induced under protective deep curarization (di cin) and light anesthesia. p. 61.

Mikhailovich, V.A. - Electrical activity of the br during open heart surgery under moderate hyp thermia. p. 66.

Osipov, V.P., Khodas, M.IA. - Changes in the oxygen tension of the cerebral cortex during co trolled arterial hypotension. p. 72.

Pasashchenko, A.D. - Soviet drugs of short-term action for controlled hypotension. p. 75.

Vishnevskaia, M.A. - Prevention of atelectasis d ing lung surgery. p. 79.

Burov, N.E., Guliaev, G.V., Sadykov, N.M. - Hyperventilation tetany during light anesthesia. p. 84.

Gulkin, V.S. - Complications following experimen surgery using artificial blood circulation. p. 8

Gutnik, R.B. - Possibilities of using non-citrated erythrocyte suspensions for total blood substitu tion in animals. p. 90.

Darbinian, T.M. - Review of G.I. Lukomskii's te "Bronchoscopy in the surgical clinic." p. 93.

DNLM

KHIRURGIIA [SURGERY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 38, no. 12, Dec. 1962. (DNLM)

Table of contents translated:

Meshalkin, E.N., Perel'man, M.I. - Resections of bronchi with the formation of interbronchial and bronchotracheal anastomoses. p. 3.

Bondar', N.I. - Pleurectomy combined with a pulmonary resection as a method of treating fibrocavernous tuberculosis complicated by empyema p. 9.

Ermolaev, V.R. - Primary failure of the bronchial stump and the pulmonary wound following radical operations on the lungs. p. 14.

Avilova, O.M. - Suture of the main bronchus in its rupture. p. 19.

Dobrov, IA., and others. - Surgical treatment of echinococcosis of the lungs. p. 23.

Firsova, P.P., Malaiuk, A.P., Nikonorov, A.I. - Diagnosis and treatment of cartilaginous formati in the lungs. p. 28.

Bykova-Sardyko, V.A., Krymova, K.B., Maksimov I.A. - Atelectasis following partial resections of the lungs. p. 34.

Kurashov, R.I. - Atelectasis of the lungs in rib fractures. p. 40.

Kovanov, V.A., Lysenko, V.B. - Effect of anesthesi and surgical trauma on the glycocorticoid functio of the adrenal cortex and the electrolyte balance (potassium and sodium) in operations on the heart and lungs. p. 42.

Dvali, L.G., Eliashvili, M.K. - Tuberculosis of the breast. p. 49.

Stanishevskii, IU.A. - Effect of penicillin on the development of allergic reactions; experimental study. p. 54.

Gorgiev, T.B., Kotkov, G.F., Zaslavskaia, F.S. - Autovaccine therapy in treating children with septi copyemia. p. 57.

Vozniuk, E.I., Komarov, B.D. - Use of radioactive phosphorus in the diagnosis of stomach cancer. p. 60.

Fishman, L.G. - Thrombophlebitis as a symptom of a latent malignant neoplasm. p. 63.

Apakidze, V.K. - Indications for skin autoplasty and characteristics of the course of trophic ulcers containing Bacillus pyocyaneus and Proteus vulgaris. p. 66.

Donetskii, D.A., Krakovskii, N.I. - Prolonged preservation of lyophilized preparations in vacuum test tubes. p. 68.

Elizarov, A. F. - Local application of pancreatin to deep burns. p. 70.
Marinescu, V., and others. - Syndrome of acute fibrinolysis in surgery. p. 72.
Morgunov, G.A. - Use of skin thermometry in differential diagnosis of some acute surgical diseases of the abdominal cavity. p. 77.
Landa, B.A. - Preoperative transcutaneous intrahepatic cholangiography. p. 79.
Uspenskaia, N.I. - Apoplexy of the ovary in a clinic for emergency surgery. p. 84.
Narychev, A.A., Narycheva, K.K. - Clinicomorphological classification and some problems concerning surgical treatment of gastric polyps. p. 89.
Kozhura, L.A. - Bronchotomy for foreign bodies in the bronchi. p. 94.
Kemter, G.S. - Complete rupture of the right bronchus. p. 95.
Kosheleva, V.E. - Case of forced application of a ligature to the root of a lung due to a defect in the UKL-60 apparatus. p. 97.
Stepukha, I.M., Mak, R.M. - Single-step operation performed on a child for a broncho-diverticulo-esophageal fistula and pulmonary cirrhosis with bronchiectasis. p. 98.
Chudinov, V.S. - Two cases of a primary lung sarcoma in children. p. 101.
Nadgeriev, M.K., Kochegarov, A.A. - Combination of alveolar cancer and echinococcosis of the lungs. p. 104.
Mysh, D.V. - Recovery of a patient after prolapse of the anus and the uterus. p. 105.
Drobner, V.L. - Gigantic ureteral calculus. p. 106.
Betaneli, A.M., Beshkenadze, G.E., IAshvili, A.A. - Removal of the transverse colon in a patient following stomach resection performed by the Hogmeister-Finsterer method. p. 108.
Skavronskaia, V. - Case of perforation and hemorrhage from two ulcers of the duodenum. p. 109.
Zakharov, V.A. - Case of a subcutaneous avulsion of the gallbladder. p. 110.
Sofinskii, N.A. - Case of torsion of the gallbladder. p. 111.
Zaliubovskii, L.V. - Prosthesis in aplasia of the breast. p. 112.
Kollegova, L.V. - Case of acute gastrointestinal obstruction following torsion of the splenic pedicle. p. 113.
Mokrovskaia, S.P. - Complications following surgery for pancreonecrosis. p. 114.
Ivanov, V.V. - Method of surgical treatment of closed liver injuries. p. 115.
Vengerovskii, I.S. - Review of the book "Problems in surgical pathology of the organs of the abdominal cavity"; collection of papers of the Sverdlovsk Medical Institute. p. 118.
Boris Grigor'evich Egorov; on his seventieth birthday. p. 120.
Proceedings of the 1745th, 1746th and 1747th meetings of the Surgical Society of Moscow and Moscow Province. p. 122.
Proceedings of the 35th, 36th, 37th and 38th meetings of the Section of Anesthesiology of the Surgical Society of Moscow and Moscow Province. p. 133.
Subject and author index of articles published in the journal "Khirurgiia" in 1962. p. 140.
(DNLM)

Vol. 39, no. 8, Aug. 1963.
Table of contents translated:
Kolesov, V.I. - Surgeon and scientist P.A. Kuprilanov. p. 3.
Osipov, B.K. - Surgical treatment of metastatic tumors of the lungs. p. 8.
Kakitelashvili, IA.V., Averbakh, M.M. - Morphological characteristics of large and giant caverns in pulmonary tuberculosis; resection data. p. 11.
Cheshik, V.G. - Treatment of rupture of the main bronchi in closed thoracic trauma. p. 19.
Kibrik, B.S. - Some considerations on the prevention and treatment of residual pleural cavities following lobectomy in pulmonary tuberculosis. p. 26.
Kuz'michev, A.P., Kaznin, V.P. - Left supralobar lobectomy with resection of the main bronchus in carcinoma. p. 30.
Manevich, V.L. - Fatty tumors of the mediastinum. p. 32.
Vinner, M.G. - Catheterization technique of the segmental bronchi with Rozenshtraukh-Smulevich catheters. p. 37.
Karavanov, A.G., Volchok, V.M. - Pulmonary hamartomas. p. 42.
Ogus, I.IA. - Pleurectomy in chronic pleural empyema. p. 43.
Zabrodskaia, V.F. - Bile ducts in liver segments. p. 46.
Smelovskii, S.I. - Lesion of bile ducts during radical gastrectomy in low located hemorrhagic gastric ulcers and closing of the duodenal stump by demucosation and double retrograde rolling (a variant of the IAkobovichi method). p. 54.
Borodianskii, V.I. - Cholelithic obstruction of the intestines. p. 58.
Gal'perin, E.I., Shcherbatenko, M.K. - Simultaneous examination of the portal and the biliary systems (splenoportocholangiography). p. 63.
Dubinskii, M.B. - Cholecystotomography in the diagnosis of cholelithiasis. p. 65.
Matveev, N.K. - Spontaneous ruptures of the liver. p. 67.
Shapkin, V.S. - Anatomic hepatectomy, sectorectomy and segmental resection of the liver. p. 72.
Trubachov, V.I. - Surgical intervention in hemophilia. p. 80.
Dederer, IU.M., Sukhoveeva, E.IA. - Diagnostic significance of the study of the blood coagulation system in gastrointestinal hemorrhage. p. 82.
Isakhanov, P.M., Lapin, M.D. - Some blood coagulation factors in cancer of the stomach and esophagus. p. 88.
Moskvin, I.B., Pakentreiger, E.A. - Diagnosis of closed bladder lesions. p. 92.
IAnbaeva, T.A., Talikov, N.A. - Clinicoanatomical comparisons of renal changes in suppurative processes in the body. p. 98.
Marinesku, V., Setlachek, D., Nash, F. - Restoration of the arterial circulation in extracranial occlusions of the carotid artery. p. 100.
Petrova, N.P. - Mechanical vascular suture in a growing organism. p. 108.
Borovyi, E.M., Vel'skii, V.M. - Tension pneumothorax following puncture of an abscess of a solitary lung. p. 114.
Skurkovich, G.V. - Cancer in the right bronchus developing at the site of a chronic inflammatory process. p. 116.
Tabatadze, K.G. - Postoperative chylothorax. p. 116.
Chkheidze, M.IA. - Case of massive resection of the right and square lobe of the liver with the gallbladder in multiple echinococcal cysts. p. 118.
Puzhailo, V.I. - Pancreatic fistula following biopsy of the pancreas. p. 119.
Sagatov, S.T. - Unusual case of neurinoma of the pancreas. p. 122.
Elanskii, N.N. - Review of articles published in the periodical "Zentralblatt für Chirurgie" for 1962. p. 124.
Novachenko, N.P. - Review of M.N. Volkov's book "Primary tumors of the bones in children (detection and surgical treatment)." p. 132.
Shraiber, M.G. - Review of IA.A. Lazaris and I.A. Serebrovskaia's book "Pulmonary edema." p. 133.
Professor I.E. Matsuev; on his 60th birthday. p. 135.
In memory of Professor Sergei Pavlovich Shilovtsev, Honored Scientist of the R.S.F.S.R. p. 136.
Protopopov, S.P. - Second All-Russian Congress of Surgeons. p. 138.
Minutes of meetings Nos. 1758-1759 of the Surgical Society of Moscow and Moscow Province. p. 144.
Minutes of the Anesthesiological Section of the Surgical Society of Moscow and Moscow Province. p. 152.
(DNLM)

i. VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 37, no. 6, June, 1963.
(DNLM)
Table of contents translated:
Decision of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. on the measures for further development of the biology science and stronghthening its bonds to the practice; its significance in the scientific and practical dermatology. p. 3.
Nicolau, S., Bedenoiu, A., Gavrilescu, M. - Cytotoxic action of the serum of patients with malignant tumors on HeLa cell cultures. p. 7.
Akopian, A.T., Avakian, A.A. - Morphological study of pemphigoid cells. p. 9.
Shchutskii, I.V. - Importance of cholinergic indices in the pathogenesis and treatment of some dermatoses. p. 13.
Salikhov, N.S. - Changes in the electrical resistance of the skin in patients with eczema, neurodermatitis and psoriasis under the influence of treatment at the Tashkent Mineral Waters. p. 19.
Malyshev, F.S. - Bactericidal properties of the skin in pyodermatitis. p. 22.
Press, B.O. - Granulomas of foreign body type in pigmented nevi. p. 26.
TSyrkunov, L.P. - Importance of liver and gastric function in the development of skin lesions caused by epoxy resins and nickel salts. p. 27.
Bruevich, T.S. - Protective pastes and the role of the barrier function of the skin in evaluation of their effectiveness. p. 30.
Makeev, V.D. - Treatment of superficial fungal diseases of the skin with trinitrotoluene preparations. p. 36.
Vol'f, L.A., Markovich, A.V., Medvedkova, A.A. - Antifungal action of synthetic fibers containing specific chemical groups. p. 39.
Ziserman, V.E. - Late results of the treatment of patients with trichomycoses with 4% epilin plaster. p. 41.
Akhmerova, R.R. - Immediate and late results of the treatment of trichomycoses with epilin plaster. p. 41.
L'vov, L.A., Poriadina, R.N. - Late results of the use of epilin plaster in trichomycosis. p. 43.
Masenko, N.P. - Results of epilin plaster treatment in trichomycosis. p. 43.
Azhisantova, Z.N., Trakhtenberg, K.B. - Results of epilin treatment in trichomycosis. p. 44.
Tadzhibaev, T.T. - Treatment of trichomycosis with 4% epilin plaster. p. 45.
Chikov, A.P. - Results of the treatment of trichomycosis with 4% epilin plaster. p. 46.
Ovchinnikov, N.M. - Significance of laboratory studies in the control of venereal diseases. p. 48.
Pridvizhkin, I.G. - Dermatovenerological care in Cambodia. p. 53.
Kuprits, G.E. - Role of nurseries and kindergartens in the treatment of children with pruritic dermatoses. p. 56.
Cheretianko, N.I. - Prevention of epidermophytosis in miners. p. 60.
Prave, V.E., Stepanishcheva, Z.G. - Safe method for chamber disinfection of clothing contaminated by pathogenic fungi. p. 61.
Kriger, S.M., Poliakov, A.I. - Results of the treatment of pyodermitis with the determination of the pyococcal sensitivity to antibiotics. p. 64.
Tikhonova, A.P. - Outpatient treatment of varicose ulcer with zinc gelatin dressings. p. 65.
Miroliubov, V.I. - Use of a synthomycin solution in folliculitis, acne vulgaris and rosacea. p. 68.
Lipets, M.E. - Effect of ACTH, cortisone and prednisone on the course of strophulus. p. 69.
Karapetian, M.K., Rozentul, L.M. - Treatment of warts with liquid nitrogen. p. 73.
Babichenko, M.E. - Undecin therapy of epidermophytosis pedis. p. 75.
Dermatologic casuistics. p. 76.
Book reviews. p. 78.
Abstracts. p. 81.
Annotations on dissertations. p. 88.
Anniversaries. p. 93.
Brief news. p. 94.
(DNLM)

Vol. 37, no. 9, Sep. 1963.
Table of contents translated:
Reznikova, L.S., Trofimova, L.I. - C-reactive protein in lupus erythematosus and other dermatoses. p. 3.
Dobrotina, N.A. - C-reactive protein in different dermatoses. p. 9.
Shinskii, G.E., and others. - Functional state of the liver in lupus erythematosus. p. 14.
Veinerov, I.B., Vel'tman, R.P. - Dynamics of the coefficient of incomplete oxidation of urine in cutaneous tuberculosis during tubazid therapy. p. 16.
Elinov, N.P. - Some studies in the field of medical mycology in the U.S.A. p. 21.
Stepanishcheva, Z.G., Ziserman, V.E. - Technique of determining griseofulvin in the skin and hair. p. 26.
Lipets, M.E. - ACTH and corticosteroid hormones in the treatment of eczema in nursing infants and young children. p. 29.
Tret'iakov, A.F., Shchepot'eva, E.S. - Treatment of neurodermatitis circumscripta with radioactive bandages containing an active coating of daughter products of thorium (alphatherapy). p. 34.
Gadzhiev, R.G. - Late results of radioactive phosphorus therapy of eczema and neurodermatitis. p. 39.
Berdybaev, U.B.; Gorina, K.D. - Impulse solar light from Bukhman's reflector in the treatment of some dermatoses. p. 43.
Bluking, E.P. - Classification of the acute phases of leprosy. p. 46.
Shabad, A.L. - Nature of condyloma acuminatum of the penis. p. 53.
Shkliar, I.I. - Use of bile in the treatment of males with trichomonal urethritis. p. 56.
Aravliiskii, A.N. - The 12th International Congress of Dermatologists. p. 59.
Teras, J.K., Roigas, E.M., Laan, I.A. - Organization of measures to control trichomoniasis of the urogenital tract. p. 70.
Dolgov, A.P., Smelov, N.S. - Professor Vladimir Vladimirovich Ivanov; on the 90th anniversary of his birth. p. 73.
Bril', M.T. - Subcorneal pustular dermatitis of Sneddon and Wilkinson in a 16-year-old boy. p. 76.
Bragina, L.M. - Pemphigoid toxidermia from the use of iodine. p. 79.
Nechaeva-Pugacheva, E.V., Sizova, A.V. - Experience with the use of griseofulvin for patients with dermatomycosis of the scalp in a pediatric dermatological hospital. p. 81.

B 141-15a

Ar[illegible], S.S. - Griseofulvin therapy of dermatomycosis. p. 83.
Skripkin, I.K. - Use of diazoline in pruritic dermatoses. p. 85.
Se[illegible]akov, L.V., Sed[illegible]nikova, G.G. - Some characteristics of the course of gonorrheal arthritis. p. 86.
Book reviews. p. 89.
Obituaries. p. 94.
(DNLM)

15. AGRICULTURE

a. GENERAL

AGROBIOLOGIIA [AGROBIOLOGY]. Issued by Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V.I. Lenina [All-Union Lenin Academy of Agricultural Sciences]. Moscow, no.2(146), Mar.-Apr. 1964.

Table of contents translated:

Ol'shanskii, M.A. - Use fertilizers skillfully p. 164.
Kallistratov, F.V. - Work practices on our farm. p. 168.
Lysenko, T.D. - Theoretical suppositions proved to be correct. p. 171.
Strazunal, B.P. - Breeding cotton for the resistance to wilt. p. 174.
Shul'ga, M.S. - Pea breeding of the Uladovka-Lyulintsy Experimental Breeding Station. p. 179.
Dekaprelevich, L.L. - Methods and results of kidney bean breeding in Georgia. p. 184.
Malusha, K.V. - Results of forage bean breeding and seed production work. p. 191.
Abdullaev, I.K. - Some results of developing new mulberry varieties in Azerbaijan. p. 199.
Vizir', P.E. - Nature of bacterial transformation. p. 205.
Untila, I.P. - Some biological characteristics of unripe seeds grown in nutrient solutions. p. 211.
IUsupov, A.A. - Biological infestation of winter durum wheat with soft wheat. p. 216.
Grakovskii, P.P. - Effect of vegetative hybridization on the change in hereditary qualities of malting barley. p. 226.
Okhova, E.P. - Developing a new tomato form by means of vegetative and sexual hybridization. p. 231.
Schmidt, J.W., Johnson, V.A., Maan, S.S. - Hybrid wheat. p. 236.
Male-sterile Bison wheat for breeders. p. 238.
Cannon, G. - Hybrid wheat. p. 240.
Savchenko, N.I., Lastovich, A.S. - Studying and making use of cystoplasmic male sterility in winter wheat. p. 243.
Osadchuk, E.A. - Utilization of nitrogen by wheat during the process of ontogenesis. p. 250.
Tupenevich, S.M., Egamov, I. - Manure-soil composts as a means of controlling cotton wilt. p. 254.
Bakhtadze, K.E. - Using composts to grow large tea crops. p. 260.
Kut'ko, L.F., Mel'nik, M.IA., Polesko, IU.A. - Effect of fertilizers on the number of soil microorganisms and grape yields. p. 265.
Kozlova, E.I., Belousova, A.A., Vandar'eva, V.S. - Effect of simazine and atrazine on the development of soil micro-organisms. p. 271.
Prezent, I.I. - Does the organism in the state of anabiosis belong within the sphere of life? p. 278.
Lysenko, T.D. - Going beyond the limits of materialistic biology. p. 283.
Gel'tser, F.IU. - Soil fertility in the light of modern concepts. p. 286.
Andriushchenko, V.K. - Effect of nitrogen fertilizer forms and trace elements on cotton fruiting. p. 295.
Kapelev, I.G. - Organic-mineral fertilizers as an important potentiality for increasing the yield of early vegetables. p. 297.
Shumetov, G.F. - Effect of summer planting and early harvesting on the quantity of soluble protein and starch in potato tubers. p. 298.
Tatarintsev, A.S., Kozlov, V.I. - Effect of quantitative correlation of the components of mixed pollen on the pollination selectivity. p. 300.
Bozhko, M.F. - Formation, development, and ripening of millet grain. p. 301.
Udachin, R.A., Toshcheva, M.N. - Resistance of soft wheat and barley to frost during late development stages. p. 301.
Anosov, G.G. - Biology of the fly Phorbia securis Tiensuu, a wheat post. p. 303.
Rubtsova, V.V. - Using a mentor in viticulture. p. 305.
Mel'chanov, V.A. - Effect of oak plantations on the content of humus in the Ciscaucasian Chernozem soils. p. 307.
Leskova, E.S. - Biological characteristics of the burnet Sanguisorba officinalis. p. 309.
Ershov, L.A. - Pyrus elaeagrifolia as a possible graft stock for pear. p. 311.
Ravkin, A.S. - Some characteristics of the dormancy period in currants and gooseberries as related to freeze injuries. p. 314.
Sorkina-Finkel', L.I. - From the pages of foreign biological and agricultural publications. p. 318.
Books sent to the editor for comment. p. 319.

GIDROTEKHNIKA I MELIORATSIIA [HYDRAULIC ENGINEERING AND RECLAMATION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.16, no.4, Apr. 1964.

Table of contents translated:

Volovchenko, I.P., and others. - Problems of irrigation and land improvement at the February Plenum of the Central Committee of the CPSU. p. 3.
Alekseevskii, E.E. - Irrigated lands as national wealth. p. 22.
Churikov, I.I. - Irrigation system for rice in the salinized soils of the Caspian Lowland. p. 34.
Kabakov, M.M. - Most urgent problems of the operation of irrigation systems. p. 39.
Petinov, N.S. - Effectiveness of the physiological method of the establishment of irrigation periods. p. 45.
Dziadevich, I.A. - Create an effective economic basis for large-scale irrigation in the steppe zone. p. 49.
Klimov, I.V. - Draining and bringing under cultivation the swampy soils in the North. p. 56.
Alekseev, N.A. - Calculating the expenses for the maintenance and overhaul of structures completed but not yet put into operation. p. 60.
Dombrovskii, V.M. - Some observations on the classification of the structures of irrigation systems. p. 61.
Plastic materials in irrigation. p. 63.
New books. p. 63.

Vol.16, no.5, May 1964.

Table of contents translated:

Petrov, E.G., Ukulov, I.A. - Meliorative state of lands in the Murgab Oasis and ways for its improvement. p. 3.
Kiselev, M.V. - Development of drainage in the irrigated zone of Bukhara Province. p. 10.
Zozulia, M.Sh. - Role of the basin snow-water irrigation in the solution of feed problems in Kazakhstan. p. 17.
Ostasheva, M.E. - Total water requirements of sugar beets under irrigation in the trans-Volga region. p. 24.
Shuravilin, A.V. - Drainage of bogs in the floodlands of the Northern Dvina River. p. 29.
Smirnov, A.V. - Lacustrine sapropels and their use in agriculture. p. 37.
Ol'khovskii, I.A. - Gate of chamber-type pumping stations. p. 40.
Moreino, L.IU. - Sprinkler irrigation in Italy. p. 42.
Shtarev, IA.K., Levanovskii, L.B. - All-Union Scientific-Technological Conference on the Problems of Controlling the Salinization and Improving the Meliorative State of the Irrigated Lands in Central Asia, Southern Kazakhstan, and Azerbaijan. p. 50.
New books. p. 62.
In memory of V.A. Shaumian. p. 63.

KHIMIIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE . Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.2, no.1(3), Jan. 1964.

Table of contents translated:

Give large scope to the chemicalization of agriculture. p. 1.
Pronin, M.E., Kaliazin, I.A. - Results of experiments in studying the effect of fertilizers on wheat and green fallow crops in leached Chernozem soils. p. 3.
Zelenin, N.N. - Effect of various forms of phosphorus fertilizers from Karatau phosphorites on the yield of cotton. p. 7.
Chernega, L.G., Golovashchuk, Zh.T. - Economic effectiveness of the production and use of ammonium chloride as fertilizer. p. 9.
Obolenskaia, K.I., Zhadkova, N.T. - Using spectrum analysis for determining the isotope composition of nitrogen in biological and soil tests. p. 13.
Tropin, V.P. - Methods of determining the stability of the suspension of wetted pesticide powders. p. 17.
Zubov, M.F., Morozova, M.A., Gar, K.A. - Results of testing a 20% combined preparation of dinitrorhodanbenzene made with colloidal sulfur as a fungicide for green plants. p. 21.
Zubov, M.F., Fedoseenko, L.G., Evteeva, N.V. - Effect of chemical structure on the toxicity of zinc salts of substituted salicylanilide. p. 24.

Unterberger, V.K. - Penetration of p
under the shield of the San Jose sca
perniciosus Comst. p. 20.
Dunskii, V.F., Mikhailov, V.I. - Lo
sprayer. p. 27.
Sharuda, G.I., Slavko, M.D., Treml',
Methods of primary testing of new
acaricides. p. 29.
Golyshin, N.M. - Organic fungicides a
in the system of the chemical contro
plant diseases. p. 30.
Rukavishnikov, B.I. - Chemical sexual
of harmful insects and ticks. p. 37.
Korolev, L.I., Starosel'skii, IA.IU. -
of simazine. p. 46.
Voevodin, A.V. - Using herbicides in a
fields. p. 47.
Petrukhin, I.V. - Effect of some macro
elements on the growth and developme
young pigs. p. 50.
Vilesov, G.I., Kokhanskaia, O.V. - Am
bicarbonate to supply the deficiency o
rations for ruminants. p. 53.
Gol'din, A.IA. - Scientific-technical con
the use of polymers in agriculture. p
Books and articles on chemistry in agric
p. 60.

KHLIBOROB UKRAINY [THE FARMER OF T
UKRAINE]. Issued by Ministerstvo vyrobn
zahotivel' sil's'kohospodars'kykh produkt
[Ministry of the Production and Procurem
Agricultural Products of the Ukrainian S.S
Kiev, no.6, June 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO
LECTIVE AND STATE FARM PRODUCTIO
by Ministerstvo sel'skogo khoziaistva SSSR
of Agriculture of the U.S.S.R.]. Moscow,
1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO
BAIDZHANA [COLLECTIVE AND STATE FA
PRODUCTION OF AZERBAIJAN]. Organ of
sterstvo proizvodstva i zagotovok sel'skokhoz
stvennykh produktov Azerbaidzhanskoi SSR [
for the Production and Procurement of Agric
Products of the Azerbaijan S.S.R.]. Baku,
May 1964. [In Azerbaijani]

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO K
ZII [COLLECTIVE AND STATE FARM PRODU
OF KIRGHIZIA]. Issued by Ministerstvo proiz
stva i zagotovok sel'skokhoziaistvennykh prod
Kirgizskoi SSR [Ministry for the Production a
Procurement of Agricultural Products of the K
S.S.R.]. Frunze, vol.10, no.5, May 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO M
VII [COLLECTIVE AND STATE FARM PRODU
OF MOLDAVIA]. Issued by Ministerstvo proiz
stva i zagotovok sel'skokhoziaistvennykh prod
Moldavskoi SSR [Ministry for the Production a
Procurement of Agricultural Products of the M
vian S.S.R.]. Kishinev, vol.9, no.5, May 1964

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TA
KISTANA [COLLECTIVE AND STATE FARM PR
DUCTION OF TAJIKISTAN]. Organ of Ministers
proizvodstva i zagotovok sel'skokhoziaistvenny
produktov Tadzhikskoi SSR [Ministry for the Pr
tion and Procurement of Agricultural Products o
Tajik S.S.R.]. Dushanbe, vol.10, no.6, June 19

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TUR
MINISTANA [COLLECTIVE AND STATE FARM
PRODUCTION OF TURKMENISTAN]. Issued by
Ministerstvo proizvodstva i zagotovok sel'skokho
ziaistvennykh produktov Turkmenskoi SSR [Minis
for the Production and Procurement of Agricultur
Products of the Tajik S.S.R.]. Ashkhabad, vol.4,
no.5, May 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO UZBE
KISTANA [COLLECTIVE AND STATE FARM PRO
DUCTION OF UZBEKISTAN]. Organ of Minister-
stvo proizvodstva i zagotovok sel'skokhoziaistven-
nykh produktov Uzbekskoi SSR [Ministry for the
Production and Procurement of Agricultural Produ
of the Uzbek S.S.R.]. Tashkent, vol.25, no.5, Ma
1964.

MEKHANIZATSIIA I ELEKTRIFIKATSIIA SOTSIALISTI
CHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANI-
ZATION AND ELECTRIFICATION OF SOCIALIST
AGRICULTURE]. Issued by Ministerstvo sel'skogo
khoziaistva SSSR [Ministry of Agriculture of the
U.S.S.R.]. Moscow, vol.20, no.2, 1963.

Table of contents translated:

Technological progress as the most important cond-
tion of the development of agriculture. p. 1.

Skibnevskii, IU.N. - Improve the utilization of machines and tractors. p.4.
Gerasimov, N.V. - Urgent tasks of the mechanization of the growing and harvesting of pulse crops. p. 6.
Bulanov, A.I. - Calculating the capacity of earcorn cleaners. p.8.
IArmashevich, IU.I. - Traction dynamics of tractors with four driving wheels. p.13.
Skundin, G.I., Akopian. G.A. - Studying the efficiency of tractor transmissions. p.16.
Semeniak, IU.A. - Studying the work of milk separators. p.18.
Soifer, L.M. - Lifting capacity or productivity? p. 23.
Rabinovich, A.Sh. - Analytical studying of the wear of a uniform soil cutting blade. p. 25.
Dubrovskii, A.A. - Using vibration technique for the intensification of agricultural technological processes. p. 29.
Okorokov, I.F., Perstnev, S.N., Tartakovskii, I.I. - Theory of vibration threshing. p. 32.
Litvinov, A.I. - Some problems of the theory of a vibration hopper. p. 34.
Bochkarev, A.I. - Movement of grain in a vibration centrifuge. p.36.
Fedorov, N.E., Rogov, I.A. - Using impulse discharge in milk processing. p. 38.
Ebin, L.E., IAkobs, A.I. - Analytical derivation of a law governing the distribution of the resistance of grounding devices. p.41.
Dinaburgskii, I.M., Imshenetskii, V.N. - Increasing the discharge capacity of rural electrical power networks. p.44.
Litvinov, M.A. - New type of proportioning devices for liquid fertilizers. p. 48.
Fedorishchenko, G.M. - Effect of the rapidity of the electric drive on the work of soil cutting apparatus. p. 49.
Strelkovskii, S.A., Darmanchev, A.A. - Graphical method of determining the loss of an unloaded asynchronous electric motor. p.51.
Bisnovatyi, S.I. - Standardization of the technological processes of the repair of agricultural machines. p. 52.
Kiselev, N.P. - Results of testing machines for straw harvesting. p.54.
Kulefeev, G.P., Ryzhenko, I.IA., Smirnov, B.V. - Major trends in the development of the supply of agriculture with electric power in the socialist countries. p.59.
Korolev, V.F. - Improvement of milking machines. p. 62.

Vol. 20, no.5, 1962.
Table of contents translated:
Selivanov, A.I. - Durability and reliability of modern machines. p.1.
Pavlov, B.V. - Using the theory of mass service in the determination of the number of exchangeable spare units. p. 8.
Mikhailovskii, M.M. - Methods of evaluating the durability of machines. p. 11.
Timofeev, A.I. - Interrelation principle in the mechanics of mobile units. p.14.
Aniskin, V.I. - Drying forage bean seeds. p.18.
Ponomarev, E.D. - Effect of the structural parameters of tubes on the gas distribution in grain dryers. p.22.
Gorbunov, V.M. - Automatic stabilization of the temperature of grain in grain dryers operating on liquid fuel. p.25.
Ivanov, V.G. - Studying the speed of screw conveyors. p.27.
Zuev, V.A., Krasnikov, V.V. - Theory of a blower-type fan. p.29.
Zaleskii, M.G., and others. - Studying the unloading of silage by a grab bucket. p.34.
Zlatkovskii, A.P., Rakitianskii, P.P. - Electrification and mechanization of dairy farms with loose keeping of cows. p.36.
Inozemtsev, B.S. - Using synchronous motors in agricultural electric drives. p.41.
Chernopiatov, N.I. - Starting of three-phase motors in a single-phase network using active resistance. p.44.
Ebin, L.E., Levin, M.S. - Operation of the neutral line and increase in the carrying capacity of rural power distribution network. p.47.
Ageev, L.E. - Expenditure of power by tractor driven machinery working at increased speeds. p.50.
Asanov, A.I. - Power loss of a pneumatic wheel in wobbling. p.51.
Goncharov, E.S. - Optimal form of the surface of centrifugal vibration sieves. p.53.
Tiutin, A.N. - Studying pneumatic transporters of the "aerial chute type." p.55.
Sosnin, V.A., Paramonova, L.A. - Methods of accelerated determination of the atomization quality of liquids. p.56.
Gorbunov, M.S., Frolov, A.A. - Effect of friction on the bending stress of teeth. p.57.
Novikov, K.P. - Technological and economical expediency of reconditioning parts. p.59.

Kukta, G.M., Mal'nev, P.M. - Results of testing American machines for corn growing and harvesting. p.60.

Vol.21, no.6, 1963.
Table of contents translated:
Kaplunov, M.M., Sendriakov, I.F. - Complex of machines for the placement of mineral fertilizers. p.1.
Artobolevskii, I.I. - Mechanics of machines on the modern stage of the development of science and technology. p.5.
Nikolaev, P.A. - Characteristics of the mechanization of grain harvesting in Kazakhstan. p.8.
Podlipenskii, S.IA. - Grain harvesting with stationary threshing. p.10.
Galadzhev, R.S., Gafanovich, A.A. - Operating conditions of the variable speed drive of a self-propelled combine. p.13.
Sechkin, V.S. - Pea harvesting by the pulling method. p.17.
Serezhina, N.V. - Studying a screw-type threshing machine for shelling earcorns. p.20.
Komarov, L.I. - Determining the basic parameters for a rotary-type chopping apparatus. p.22.
Aniskin, V.I., Akhlamov, IU.D., Baklazhenko, G.A. - Mechanical ventilation in a continuous seed processing. p.24.
Rabinovich, A.Sh., Vinokurov, V.N. - Analyzing the wearing property of cultivator sweep blades. p.27.
Zhdanovskii, N.S. - Methods of determining the initial indices for a brakeless testing of tractor engines. p.30.
Raskatova, E.A. - Determination of the calculation and operation indices for conveyor-circular milking systems. p.33.
Mkrtumian, V.S., Petukhov, N.A., Il'in, IU.P. - Studying milking systems of the "herringbone" type. p.36.
Kliushin, G.V. - Circular and linear diagrams of electrically heated devices. p.39.
Burguchev, S.A., Nikul'shin, V.M. - Studying a contactless network controller with magnetic biasing. p.42.
Gusintskii, M.L. - Changes in the depth of soil cultivation of a mounted machine in the turnings of the longitudinal tractor axle on rough fields. p.45.
Kolesov, L.V. - Programming device for investigating the governers of mounted equipment using electrodynamic models. p.46.
Pozharskii, V.K. - Studying a rotary apparatus for cutting corn stalks. p.47.
Avanesov, IU.B. - Studying the basic parameters of screw-type root crop cleaners. p.48.
Perstnev, S.N. - Work of a harvester reel. p.50.
Tret'iakov, V.P. - Efficiency of a cylinder cleaner as related to its diameter. p.51.
Piitsyn, S.D., Filinkov, N.I. - Moisture exchange in grain. p.52.
Khamitov, Z.S. - Permissible strain in reparing the valve springs of tractor engines. p.54.
Verbitskii, I.L., Pavlov, K.A. - Soiling of crankcase oils in engines equipped with oil cleaning devices. p.55.
Shafranov, V.P. - Effective torque in an asynchronous motor during switching on. p.56.
Vasil'ev, V.V. - Diminishing the number of short circuits in high voltage networks. p.57.
Markunin, V.A. - Using the simplest self-synchronization systems in diesel electric power plants. p.58.
Sokolovskaia, R.A. - Conference on the use of electronics. pp.59,63.
Ul'rikh, N.N., Konlushkov, E.N. - Mechanization of labor consuming operations and selection work in seed production. p. 60.
List of articles published in the journal "Mekhanizatsiia i elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva" in 1963. pp.63-3 of cover.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Reports]. No.84, 1963. Pochvovedenie, agrokhimiia i fiziologiia rastenii [Soil science, agricultural chemistry, and plant physiology].
Table of contents translated:
Introduction. p. 3.
Grechin, I.P. - Air balance and the fertility of turf-Podzolic soils. p.5.
Gromyko, I.D., and others. - Some genetic characteristics of soils in the Virgin Territory. p.16.
Pershina, M.N. - Brief classification and identification of Chestnut soils in the dry steppe zones of the U.S.S.R. p.30.
Poddubnyi, N.N. - Efficient use of the most fertile soils in Sasovo District of Ryazan Province. p. 39.
Pershina, M.N., Dodolina, V.T. - Brief classification and identification of Solonetz soils. p.46.
Kaurichev, I.S. - Zinc deficiency of soils in the orchards of the Samakino State Nursery Farm. p.52.
Grechin, I.P., Kurlykova, M.V. - Seed germination as related to the various concentrations of oxygen and carbonic acid during the gas formation phasis in turf-Podzolic soils. p.59.
IAkovleva, M.E. - Water balance elements of the soils in Kustanay Province. p.67.
Afanas'ev, G.V., Kashanskii, A.D. - Soil salinization and the formation of Solonchak soils in the Northern Dvina Delta. p.74.
Shishov, L.L. - Phosphate balance of gleyey-turf soils. p.79.
Pen'kov, O.G. - Humus composition of the Grey-Brown soils in the Karabakh Steppe, Kura-Aras Lowland. p.85.
Poddubnyi, N.N., Kurbatov, A.I. - Comparative evaluation of the quality of soils in Sasovo District, Ryazan Province. p.93.
Kurlykova, M.V. - Effect of various aeration porosity on the nature of the oxidation-reduction state in turf-Podzolic soils. p.98.
Volodina, G.F. - Cultivated Podzol soils in northern Karelia. p.105.
Shaimukhametova, A.A. - Change in the group composition of the < 0.01 mm soil particles under the effect of plants and fertilizers. p.113.
Lykov, A.M. - Dynamics of the organic forms of nitrogen in Podzolic soils. p.119.
Bazilinskaia, M.V. - Quality composition of the humu of Soloth soils in the forest-steppe of Western Siberia. p.126.
Shishkov, K.N., Shishov, L.L. - Physical characteristics of drained soils in the Yakhroma River Valley. p.132.
Trofimov, I.I. - Palygorskite soils of the Middle Carboniferous in the Moscow Depression. p.140.
Aranbaev, A.P. - Some characteristics of the climate of the Turanian facies in connection with the structure of the vertical zonality of soils. Report 2: Characteristics of the soil and vegetative cover in the region of the prevalence of the humic mountain-changed climatic variant of the Turanian facies. p.151.
Peterburgskii, A.V. - Modern concepts of the penetration of nutrients into plants through roots. p.158.
Gukova, M.M., Bogomolova, R.I. - Accumulation of nitrogen by forage beans in mixed sowing with corn as related to the conditions of nutrition. p. 16
IUdin, F.A., Reshetnikova, N.V. - Comparative effect of open-heath slags and limes on the turf-Podzolic soils in the Udmurt A.S.S.R. p.174.
Kovrigo, N.M. - Effect of temperature on the photosensitivity of plants. p.180.
Gukova, M.M. - Importance of temperature on the phosphorus intake by plants. p.186.
Muravin, E.A., Sobachkin, A.A. - Symptoms of the effect of molybdenum deficiency in cauliflower. p.193.
Muravin, E.A. - Effect of molybdenum on the nitrogen metabolism of cauliflower. p.198.
Postnikov, A.V. - Some data on the comparative effectivness of "nitrophoskas," liquid compound fertilizers, and equivalent mixtures of simple farm manures. p.203.
Peterburgskii, A.V., IAn Siu [Yang Hsiu] - Effect of trace elements on the kidney beans uptake of exchangeable and absorbed calcium. p.213.
Peterburgskii, A.V., Korchagina, IU.I. - Availability of exchangeable absorbed ammonia to plants. p.219.
Peterburgskii, A.V., Bela, Szabo. - Placement of lime and molybdenum for legumes in acid soils. p.226.
Peterburgskii, A.V., Chanturiia, I.A. - Change in agrochemical characters of the soil in tea plantations in connection with continuous fertilization of soils. p.233.
Medvedev, Zh.A., Khavkin, E.E. - Acid soluble peptides and nucleotide-peptides in kidney bean tissues. p.240.
Mazur, T., Smirnov, P.M. - Using the paper chromatographic method in studying the transformation of free amino acids in soils. p.246.
Bronshtein, E.V. - Simplified method of calculating the results of biochemical and agrochemical analysis. p.253.
Tepper, E.Z., Raitske, U. - Proactinomycetes from autochtonous soil microflora decomposing humus substances. p.261.
Pereverzeva, G.I. - Effect of nitrates, nitrites, and methylene blue on the amount of the fermentation products of typical lactic acid bacteria. p.268.
Karasevich, E.K. - Effect of growth stimulators and trace elements on the productivity of atmospheric nitrogen fixation by attenuated Azotobacter strains. p.274.
Shil'nikova, V.K. - Nitrogen composition of the bleeding sap of corn plants bacterized with Azotobacter strains of various effectiveness. p.280.

L'vov, N. P. - Use of various carbon sources by some oligonitrophic micobacteria. p. 287.
Krylova, N. V. - Effect of molybdenum and vanadium on nitrogen fixing. p. 293.
Mar'enko, V. G. - Fungistatic action of Azotobacter chroococcum. p. 301.
Berezovskii, M. IA. - Method of the subsurface placement of herbicides in soil. p. 307.
Saeb, V. A. - Studying the movement of propazine in various soils by the method of soil columns. p. 316.
Abramova, K. A. - Measures for chemical control of the Acroptilon picris. p. 322.
Gullakin, I. V., Korovkina, A. V. - Penetration of polonium-210 in an oat plant. p. 327.
TSelishcheva, G. N. - Interaction of soil absorbed strontium with potassium phosphate. p. 332.
Klechkovskii, V. M. - A function describing a sequence of filling subgroups of electronic levels. p. 339.
Davidova, E. G. - Comparative determination of the absorption capacity of ion exchange celluloses by the static isotope exchange and radiochromatographic methods. p. 346.
Davidova, E. G., Rachinskii, V. V. - Studying the kinetics of the sorption of inorganic ions on the base of ion exchange celluloses by the method of radioactive indicators. p. 350.
Kolosov, I. V., Andreeva, Z. F. - Obtaining and examining by X-ray oxalate complexes of some rare-earth elements, p. 356.
Peterburgskii, A. V., Peken'o, Kh. P., Utenyshev, IU. P. - Accelerated determination of cellular tissues in feeds. p. 363.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROTEKHNIKI I MELIORATSII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HYDRAULIC ENGINEERING AND RECLAMATION. Transactions]. Vol. 42, 1963. Gidrotekhnika i mekhanizatsiia [Hydraulic engineering and mechanization].

Table of contents translated:
Levin, IA. K. - Dynamics of freshwater under irrigation canals. p. 5.
Novikov, V. M. - Methods of thermal calculations of pressure pipes in irrigating with runoff waters in winter. p. 20.
Emel'ianov, V. A. - Engineering geological evaluation of soils under ponds in the forest-steppe and steppe zones in the European part of the U.S.S.R. p. 31.
Serdobov, V. A. - Controlling water seepage from bodies of water in the Central Chernozem Region. p. 45.
Popova, V. IA. - Water meter for closed irrigation systems. p. 52.
Savarenskii, A. D. - Stability of the beds of rivers and canals as related to the regularities of channel formation. p. 73.
Bairaktarski, I. S. - Studying the efficiency of irrigation systems in northern Bulgaria. p. 79.
Pikalov, F. I. - Spiral movement of a nonviscous noncompressible liquid. p. 93.
Kolesnikov, I. T. - Sprinkler irrigation of vegetables and potatoes in the Magnitogorsk region. p. 104.
Stepanov, E. A. - Effect of the position of the working part of graders on the amount of cut and fill. p. 113.
Grigorian, N. A. - Using high-speed motion-picture photography in the study of a short-jet nozzle with a conical deflector. p. 123.
Zhabrov, A. B. - Effect of some factors on the dumping range of rotary earth throwers. p. 133.

POLLUMAJANDUSE MEHHANISEERIMINE JA ELEKTRIFITSEERIMINE [MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE]. Issued by Eesti NSV Ministrite Noukogu Riiklik Teaduslik-Tehniline Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S.S.R.]. Tallinn, nos. 1/2(25-26), 5(29), 1963. [In Estonian] (DNAL)

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 12-13, June-July 1964.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 6, June 1964.

SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [AGRICULTURE; Classed Index of Articles in Foreign Periodicals]. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, no. 4(102), 1964.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 12, no. 11(155), June 1964.

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 12, no. 6, June 1964.

SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library]. Moscow, nos. 1/2 - 3, 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Moscow, vol. 2, nos. 6-7, 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Saratov, vol. 2, no. 6, June 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Krasnodar, vol. 2, no. 6, June 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Omsk, no. 6, June 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Sverdlovsk, vol. 2, no. 6, June 1964.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandussaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol. 19, no. 12, June 1964. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 24, no. 3, Mar. 1964.

Table of contents translated:
Course toward intensification. p. 1.
Bespoludennov, IA. - Machinery for the fertilization of fields. p. 4.
Lavrushin, L., Aver'ianov, N. - For larger crops. p. 10.
Vadopalas, A. - Liming of soils from planes. p. 12.
Mirumian, G. - Complex of machines for tea cropping and harvesting. p. 14.
Konganov, A. - Use agricultural machinery in the elimination of weeds. p. 21.
Vaniukov, N., Baranov, V., Noskov, V. - New machinery for Gorno-Altai Autonomous Province. p. 22.
Kostritsyn, A. - Machine for the preparation of mixed silage. p. 25.
Eliseeva, T. - Grinding earcorn with the DKU-M crusher. p. 27.
Fabrikov, A. - Water pumps for pastures. p. 28.
Zhilov, I. - Optimal tension magnitude for teat cup rubbers. p. 31.
Shkele, A. - Apparatus for the automatic control of water temperature. p. 32.
Laurs, A. - Converting feed steamers to water heaters. p. 33.
Karpov, A. - Machines for land improv
tions. p. 35.
Karlovskii, V. - Excavators in the cons
drainage. p. 37.
Sigov, I., Volova, T., Meshkov, A. - R
for motors in rural areas. p. 39.
Fol'mer, N. - Improve the design of too
p. 43.
Zlotin, A. - Tank for milk cooling. p.
Muratov, O., Lasker, IA. - Refrigerati
for dairy farms. p. 46.
Romanenko, V., Nosov, A. - Press dril
Janaikleno, J. - Reconditioning bushing
p. 49.
IAlovenko, F., Timofeev, V., Ivanov, E.
use of tractor power. p. 50.
IUr'ev, E., Vilkov, V. - Wireless check
p. 53.
Golubnichii, N. - Extend the serviceab
p. 60.
Zaitseva, S. - Utilization of pneumatic t
Ryndenko, V. - Cleaning pulse crops wi
20 machine. p. 62.
Rumiantsev, A. - New developments in m
maintenance. p. 64.
Kireev, A. - "Sel'khoztekhnika" serves f
IAmbaev, V., Grozdov, P. - Repair orga
the Tyumen' Section of "Sel'khoztekhn
IAroslavtsev, G. - Specialization in repai
p. 72.
Aranzon, V., Nagornyi, N. - Using keyles
p. 73.
TSyrin, A. - Reconditioning cylinder sleo
Khalfin, M. - Checking the technical cond
boxes without dismantling. p. 76.
Popov, S. - Driven friction rings from pla
terials. p. 78.
Fedoseev, V. - Apparatus for adjusting fil
p. 80.
Semeniuk, I. - Improvement of soil densit
p. 82.
Romanovich, O., Kolesnikov, V. - [illegible]
surfaces on a cylindrical grinding mach
Trigubovich, A. - Repairing the front axle
vehicles. p. 83.
Evdokimenko, I. - Mounted sweep rake. p
Babenko, A. - Setting and adjusting fuel pu
Sukhatov, F. - How to pour nigrol from a c
Kornev, M. - Stand for adjusting fuel pump
Golubov, V. - Purification of oil in the ru
engines. p. 87.
Safonov, K. - Chains on tractors and agric
chinery. p. 90.
Bulgachova, K. - Broad-band sowing and pl
vegetable crops. p. 91.

Vol. 24, no. 5, May 1964.

Table of contents translated:
Improve the repair and maintenance servic
machines. p. 1.
Pshechenkov, K., Kazakov, M. - Three m
operators grow 2500 tons of potatoes. p
Svetlichnyi, V., Lobodik, A. - Improve th
technology of sugar beet growing. p. 10.
Sologub, D. - Unit for single-seed planting
intertillage of corn. p. 16.
Skol'zaev, V., Lolachevskii, P. - Wide-r
chine for single-seed planting. p. 18
Semenov, A., and others. - Fertilizers sho
placed on hills. p. 20.
Karpov, L. - Winning of peat for fertilizers
Sova, P. - Reequipment of the KRN-4.2 cult
for supplementary fertilization of winter
p. 24.
Mikhailenko, E. - Cleaning and sorting mill
p. 25.
Sin'kov, I. - New developments in the machi
milking of cows. p. 27.
Susliko, I. - Feed kitchen with the fermentat
foods. p. 30.
Vanelnn, S. - Hydraulic power feeder for sp
and irrigation machines. p. 32.
Kostiuk, S., Landar', V. - Simplified design
automation of water supply. p. 36.
Pomelov, P., Zavodtsov, A. - Automatic wa
tower. p. 37.
Mikhalev, G. - Operational practices of the
19/30-1 diesel generator. p. 38.
Shcherbina, P., Velichko, N. - Machines for
harvest sowing. p. 39.
Neparidze, M. - The PP-05N soil densitomet
p. 42.
Fatuev, M., Moiseev, V. - The RU-4.0 ferti
spreader. p. 44.
Aronsov, V. - The PB-35 loader-bulldozer.
Mordukhovich, A. - Adjusting a manure spre
p. 47.
Fedchenko, M., Podluzhskii, T. - Increase th
efficiency of seed disinfection machines. p
Makarov, V. - Nomogram for planning the w
machines. p. 54.
Voletskii, I. - The GAN-8 machine for chemic
weed control. p. 57.

Dolgih, L. – Wheat cultivation [illegible], p.[illegible]
Mosin, M. – [illegible] plantings, p.[illegible]

[illegible]

VESTNIK SEL'SKOKHOZYAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. [illegible] Moscow, Vol.[illegible], no.[illegible], [illegible], 1964.
(Cont.)

[illegible]

Voskresenskii, P.S. [illegible] – Methods of [illegible] irrigation, p.8
[illegible] – [illegible] Black and White cattle in the [illegible] zone, p.[illegible]
[illegible] – [illegible] cattle, p.[illegible]
[illegible] – [illegible] of Akhal-Teke horses, p.[illegible]
Fedorov, [illegible] – Dosage and means of giving [illegible] piglets, p.[illegible]
Peterson, [illegible] – Using a [illegible] for poultry raising, p.111.
Sul'man, F.E. – Trypanosoma and the [illegible] of the [illegible] in camels, p.126.
[illegible] – Methods of taking samples of feces and helminthology for the purpose of the diagnosis of intestinal [illegible] in sheep, p.130.
Alekseev, M.P. Agaev, A. – Mechanization of harvesting rice by stages in Kzyl-Orda Province, p.135.
[illegible] – Experimental studying of the performance of "[illegible]" ventilators, p.139.

Arutyunov, M.Zh. – Selecting the economically efficient wire sizes for rural overhead power installations by taking into account their reconstruction, p.124.
(DGAL)

VESTNIK SEL'SKOKHOZYAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khozyaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, Vol.9, no.[illegible], [illegible], 1964.

Table of contents translated:
[illegible] of the Communist Party for the development of agricultural science, p.1.
Shatilov, I.S., and others. – A great decade, p.12.
[illegible], A.F. – Duration of the vegetation period and the yields [illegible] as related to cultivation practices, p.19.
[illegible] – Controlling [illegible] weeds with [illegible], p.31.
[illegible] – Role of nitrogen in the formation of [illegible] kernels and [illegible] under conditions of various water supply, p.37.
[illegible] – Uptake and translocation [illegible], p.47.
[illegible] – Single and compound fertilizers [illegible], p.53.
[illegible] – Effect of mineral fertilizers on [illegible] and yield of [illegible], p.58.
[illegible], Kalabaeva, A.G. – [illegible], p.64.
[illegible] – [illegible], p.68.
[illegible] – [illegible], p.74.
[illegible] – [illegible], p.77.
[illegible] – [illegible], p.81.
[illegible] – [illegible] quality, p.86.
[illegible] – [illegible], p.92.
[illegible] – [illegible], p.97.
[illegible] – [illegible], p.103.
[illegible] – [illegible], p.107.
[illegible] – [illegible], p.112.
[illegible] – [illegible], p.117.
[illegible] – [illegible], p.127.
[illegible] – [illegible], p.130.
[illegible] – [illegible], p.136.
[illegible] – [illegible], p.141.
[illegible] – [illegible], p.147.
[illegible] – [illegible], p.153.
[illegible] – Information, p.155.

Vol.9, no.[illegible], [illegible] 1964.
Table of contents translated:
[illegible], p.1.
[illegible] – Effectiveness of fertilizers [illegible], p.[illegible]
[illegible] – Methods of the placement of [illegible] fertilizers [illegible], p.[illegible]
[illegible] – [illegible] feeding of [illegible], p.[illegible]
[illegible] – [illegible] during the ensilage process, p.[illegible]
[illegible] – [illegible] soils [illegible], p.[illegible]
[illegible] – [illegible] of drainage and crop structure, p.[illegible]
[illegible] – Role of [illegible] in the increase of crop yields, p.[illegible]
[illegible] – Improving the [illegible] quality of winter wheat seeds by means of [illegible], p.[illegible]
[illegible] – Early corn sowing for breeding purposes, p.[illegible]
[illegible] – Mixed sowing of corn with forage beans, p.[illegible]

Ponomarev, A.P., Golubeva, Z.P., Shumilova, M.S. – Effect of legumes on the protein cont[illegible] of grain crops in mixed growing, p.40.
Stepanov, V.P. – Economic and cultivation imp[illegible] of postharvest crops, p.51.
Lavrova, A.M., Frolova, M.I. – Causes of [illegible] deprivation in the various zones of the [illegible] Ukraine, p.54.
Ivanov, P.K., Grigor'ev, P.A. – Basic tillage [illegible] Chestnut soils under irrigation, p.58.
[illegible], M.M. – Biological characteristics of [illegible] horn cattle, p.59.
[illegible], A.L. – Fertility of and zygote [illegible] in cows inseminated with preserved semen, [illegible]
[illegible], G.V. – Biological importance of th[illegible] thickness of oak [illegible] in forest belts, p.[illegible]
Kobus, V.I. – Soil cultivation in fruit-bearing [illegible] in the non-Chernozem belt, p.77.
[illegible], I.K. – Growth of the active roots of [illegible] trees in the soil with unavailable moisture, [illegible]
[illegible], I.V., [illegible], V.I. – Volumetric [illegible] transformations in tractor-driven machinery, [illegible]
[illegible], B.V., Kolmakov, M.A. – Using the [illegible] of [illegible] for studying the noise [illegible] tractor operator's cabin, p.85.
[illegible], S.I. – Heterogeneity of fruits in [illegible] sugar beets, p.102.
[illegible], V.P. – [illegible] intervarietal crossing of [illegible] p.111.
Andreev, S.V., and others. – [illegible] injurious insects, p.122.
Dolgov, S.I., [illegible], A.I., Terent'eva, E.P. – Studying the specific electric resistance of [illegible] related to the moisture and temperature, p.[illegible]
[illegible], V.I., [illegible] – The 40th [illegible] of the [illegible] Silvicultural Land Improvement Experimental Station, p.137.
[illegible], I.N., [illegible], E.A. – Wheat [illegible] in Italy, p.141.
[illegible], P.P., [illegible] – Collection [illegible] graduate student [illegible] the use of fertilize[illegible] [illegible], p.144.
[illegible], I. – [illegible], p.149.
[illegible] – Collection of papers [illegible], p.152.
[illegible], M., [illegible], V.I. – Information [illegible] p.154.

Vol.9, no.4, Apr. 1964.
Table of contents translated:
[illegible], I.P. – [illegible] tasks of agricultur[illegible] science, p.2.
[illegible], I.M. – Manure and mineral fertil[illegible] [illegible] crop rotation, p.6.
[illegible], V.E., [illegible], I.P. – [illegible] effe[illegible] [illegible] fertilizers [illegible] in field crop rot[illegible], p.13.
[illegible], I.A. – [illegible] the protein [illegible] [illegible] in animal husbandr[illegible], p.17.
[illegible], A.D. – Assimilation of urea nitroge[illegible] [illegible], p.21.
[illegible], V.I. – [illegible] crops in the [illegible] collective [illegible], p.28.
[illegible], V.I. – Studying the intensity of the [illegible] [illegible] of assimilates in the [illegible] vegetable [illegible] and their fertilizer [illegible], p.32.
[illegible], V.A. – [illegible] the water [illegible] [illegible] soil in fall [illegible] sowing, p.34.
[illegible], S.M. – Effect of the [illegible] [illegible] vegetable, p.37.
[illegible] – [illegible] systems, p.45.
[illegible] – Interrelations of plants in a[illegible] [illegible], p.52.
[illegible] – [illegible] [illegible] and breeding, p.55.
Annual general meetings of the All-Union Academ[illegible] Agricultural Sciences, p.58.
In the Department of Agriculture, p.58.
In the Department of Animal Husbandry, p.13[illegible]
In the Department of Mechanization and Electrif[illegible], p.135.
In the Department of Forestry and Silvicultural Land Improvement, p.140.
In the Department of Economics and Organi[illegible] of Farm Production, p.142.
In the Department of Hydraulic Engineering and [illegible] Improvement, p.147.
[illegible], I.G. – [illegible], p.151.
[illegible], N.F. – [illegible] Paper, p.[illegible]

Vol.9, no.5, May 1964.
Table of contents translated:
[illegible], A.S., [illegible], F.F., [illegible], G.[illegible] – Effect of fertilizers on the yield and nutriti[illegible] of corn in the southern Ukraine, p.1.
[illegible], N.A. – Effect of the time of stor[illegible] the compost pile on the microbiological proc[illegible] in manure-soil composts, p.5.

Demidovtsev, S.N. - Aftereffect of liming continues more than 30 years. p.10.

Ramazanova, S.B. - Effect of the time of the placement of nitrogen fertilizers on the yield and quality of rice. p.17.

Pesotskii, V.F. - Using urea for the enrichment of corn silage with proteins. p.19.

Dmitriev, V.S. - Increasing the economic effectiveness of basin snow water irrigation. p.24.

Shapoval, A.G., Baryl'nik, V.T., Khudenko, M.N. - Two crops a year in the irrigated soils of the southern Ukraine. p.35.

Shein, D.P. - Effectiveness of irrigation in western Kazakhstan. p.43.

Kuleshov, N.N. - Relation between the grain and seed formation and the technological properties of crops. p.47.

Burov, D.I., Gunkin, I.I. - Green fallow crops in the Volga Valley. p.52.

Enken, V.B., Rubtsova, V.V. - Breeding and varietal study of soybean in Western Siberia. p.56.

Sineshchekov, A.D. - Role of the digestive tract in the protein and fat metabolism. p.60.

Safonov, G.A., Ivanova, G.A., Siurin, V.N. - Comparative resistance of the hemagglutinins of the viruses of the classic fowl plague and Newcastle disease. p.67.

Kartashov, L.P., Davydov, V.A. - Power requirements in the process of the mechanized harvesting of corn for silage. p.74.

Chernyshov, V.A. - Plowing Podzolic soils by plows with notched subsoiler bodies. p.77.

Shul'gin, I.A., Kuperman, F.M. - Effect of the spectral composition of light on the development of plants. p.81.

Shcherbina, D.M. - Valuating the technological properties of wheat in the early stages of a breeding process. p.91.

Kuznetsov, I.N. - Improve the coordination of agricultural research. p.96.

Malyshev, E.E. - Scientist and pedagogue; about A.E. Kovarskii. p.104.

Litvin, V.M. - From the history of agricultural books in Russia. p.106.

Kompaneets, M. - Aid to breeders and seed growers. p.112.

Sysoev, A., Pan'shin, I. - An interesting book on the biology of ants. p.115.

Blinchevskii, M., and others. - Information. p.116.

Siniagin, I., Shederov, S. - Oskar Karlovich Kedrov-Zikhman; an obituary. p.157.

VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sil's'koho hospodarstva Ukrains'koi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol.7, no.5, May 1964.

b. ANIMAL INDUSTRY

ALMA-ATA. ZOOVETERINARNYI INSTITUT. Trudy [ZOOTECHNICAL AND VETERINARY INSTITUTE. Transactions]. Vol.12, 1961.

Table of contents translated:

Rusakov, I.V. - Fortieth anniversary of the establishment of the Kazakh S.S.R. p.9.

Erzhanov, A. - Further successes of the Leninist national policy in Kazakhstan. p.23.

Safrankov, K.I. - Role of labor productivity in the improvement of welfare of the Soviet people. p.35.

Soskin, S.N. - Some regularities in the formation of communist consciousness. p.44.

Besbaev, M. - From the history of the development of collective farms of Kazakhstan in the postwar years (1946-1953). p.63.

Rosliakov, A.K. - Results of the scientific work of the Department of the Feeding of Animals during the past 30 years. p.79.

Tavildarova, T.F. - Basic stages of scientific and practical work with cattle in Kazakhstan during the past 40 years. p.88.

Lanina, A.V. - Thirty years' experience in the development of local cattle in central Kazakhstan. p.97.

Kdyrniiazov, G.N. - Ways of developing breeds in the sheep raising in Kazakhstan. p.111.

Fedotov, P.A. - Development of trotter horse breeding in Kazakhstan. p.124.

Zykov, D.A. - Scientific achievements of the Alma-Ata Zootechnical and Veterinary Institute in the field of agronomy during the past 30 years. p.138.

Rosliakov, A.K., Baiturin, M.A. - Trace elements in the nutrition of animals in the Tien Shan piedmont zone. p.146.

Sazonov, A.A. - Mineral deficiency of high-productivity cows in Alma-Ata Province. p.153.

Sazonov, A.A. - Importance of iodine and manganese in controlling mineral deficiency in high-productivity cows in the piedmont zone of the Trans-Ili Alatau. p.157.

Tavildarova, T.F., and others. - Form and size of the udder in cows of various breeds developed in Kazakhstan. p.162.

Sokolov, V.A. - Growth of Kazakh White-Headed young cattle as related to the type of the mother. p.176.

Tepliakov, N.I. - State and prospective improvement of dual-purpose cattle on the "Degeres" Training Farm. p.179.

Sarsenbaev, T.S. - Askaniyan sheep on the Lenin Breeding Farm in Alma-Ata Province. p.189.

Murzagaliev, A.M. - Studying the quality of the pelts of grey Karakul lambs as related to the methods of their production. p.194.

Fedotov, P.A. - State and ways for developing trotter horse breeding in Alma-Ata Province. p.201.

Zakharova, L.S. - Using succulent feeds in swine fattening. p.214.

Kiselev, V.I., Pachikin, V.I. - Fertilizing irrigated sugar beets in the desert-steppe zone of Alma-Ata Province. p.221.

Kleinbok, IA.I. - Clinicophysiological trends in studying the etiology, pathogenesis, and principles of the treatment of diseases of the digestive and respiratory systems. p.233.

Orlov, N.P. - Results of the research work of the Department of Parasitology of the Alma-Ata Zootechnical and Veterinary Institute from 1931 to 1960. p.238.

Karasev, P.A. - Results of research work on the increase of the resistance of the organism of farm animals and their productivity by the use of biogenic stimulators. p.252.

Karasev, P.A. - Results of the use of biogenic stimulators inanimal husbandry. p.259.

Sevast'ianov, S.I. - Materials on the mechanism of the action of antireticular cytotoxic serum (ACS). p.265.

Sevast'ianov, S.I. - Effect of chloral hydrate anesthesia on the restoration of some blood indices in sheep after blood loss. p.285

Riakhovskii, V.I. - Trichinelliasis in Kazakhstan. p.291.

Riakhovskii, V.I. - Gamma rays in wool disinfection. p.299.

Matvienko, B.A. - Some problems of the morphological characteristics of the vaccinal process in Gartner's paratyphoid. p.303.

Matvienko, B.A. - Using heterogeneous paratyphoid strains in vaccine prophylaxis of paratyphoid in calves. p.326.

Ivanova, G.M., Miakushina, A.A. - Variability of paratyphoid bacteria. p.330.

Bulanov, P.A., Nauryzbaev, E.N., Miakushina, A.A. - Studying the immunogenetic properties of attenuated Brucella strain A-6 in experiments on sheep. p.334.

Baiakhunov, IA.K., Glebova, V.N., Uvaliev, I.U. - Epizootiological effectiveness of the immunization of cattle with vaccine from strain no.19. p.337.

Guliaev, A.I. - Differentiation of immunobiological reactions in inoculated sheep and sheep with brucellosis. p.343.

Dymko, E.F. - Effect of trace elements (cobalt and copper) on the metabolism in healthy and pneumonia-affected sheep. p.353.

Dymko, E.F. - Effect of trace elements (cobalt and copper) on someblood indices in healthy calves. p.365.

Kleinbok, M.T. - Morphological analysis of secretory disorders in the stomach and intestines in case of obstructions in domestic animals. p.369.

Iglmanov, U. - Materials on the pathomorphology of adenomatous and granulomatous lesions of the lungs of sheep in Alma-Ata Province. p.397.

Murzamadiev, A. - A case of chronic encephalitis with brain atrophy and adenoma of the anterior lobe of the pituitary body in a bull. p.408.

Fat'kin, N.F. - Operative methods of treating aseptic and suppurative necrotic lesions of the withers in horses. p.421.

Domashneva, L.V. - Operative treatment of some forms of the mastitis in sheep. p.456.

Domashneva, L.V. - Blood vessels of the udder of sheep. p.462.

Omarov, Zh.O. - Some materials on the localization of the synovial villi of carpal and tarsal joints in horses. p.466.

Panin, V.M. - Materials on the study of the lymphatic system of the nasal cavity in calves. p.474.

Panin, V.M. - Intrasternal method of the injection of drugs in the organism of calves. p.482.

Tokbanov, Sh.T. - Reserve alkalinity and glutathione in the blood of calves as related to the age and zone of raising and their changes during the treatment of suppurative catarrhal bronchopneumonia with antibiotics. p.488.

Podlinnov, I.S. - Restoration of the external respiration in lambs with acute catarrhal and suppurative catarrhal bronchopneumonia under the effect of antibiotic treatment. p.498.

Butov, P.M. - Some indices of the external and tissue respiration of Kazakh fine-wool sheep. p.506.

Kenesarin, T.A. - Level of some respi
enzymes and vitamins in the blood of
wool sheep. p.512.

Bekmurzaev, Zh. - Hemodynamic and e
graphic indices in Alatau calves as re
age and the zone of raising. p.518.

Kviatkovskii, V.N. - Changes in the fun
gastrointestinal tract during experim
suppurative processes in horses. p.

Kviatkovskii, V.N. - Characteristics of
of bromine preparations on the organ
p.536.

Shchetinin, B.S. - Increase in the sensi
organism of calves to mold fungi duri
ment with antibiotics. p.542.

Lopatnikov, G.I. - Role of seasonal pas
in the epizootiology of enterotoxemia
Alma-Ata Province. p.545.

Brylov, D.A., Romanov, P.F. - Sanitar
gienic estimation of water sources on
tive farms in Ili District, Alma-Ata
p.552.

Berdongarov, K. - Biomorphology of the
of lungs. p.561.

Ivanova, G.M. - Determining the physiol
reactivity of the animal organism by t
method. p.568.

Tashenov, K.T. - Function of some dige
in sheep fed different feeds. p.574.

Smirnovskii, B.N. - Some data on the vi
don halys caraganae Eichw. occurring
tains of the Trans-Ili Alatau. p.582.

Efimova, N.S. - Fungus diseases of gra
the piedmont zone of the Trans-Ili Ala

Avershin, A.L. - Photodiagraph and its
morphological investigations. p.593.

Khanin, M.A. - Effective method of the a
of the tail of long-and-thin-tailed shee

Khanin, M.A. - Using the medical gastri
in the amputation of the auricula of do

Omarov, Zh.O., Panin, V.M. - Lumbar
novocaine block of the sympathetic ne
sheep. p.604.

Korikov, P.N. - Method of interpreting e
grams. p.607.

Bekmurzaev, Zh. - Perfecting the formu
puting the volume of circulating blood
by the stain-colorimetric (infusion) me
Calculating table. p.611.

Ivanova, G.M. - New method of vital sta
bacteria. p.619

Abdulina, N.G., Sultanova, R.Kh. - Pro
precipitates from Karatau phosphorite
method of fractional sedimentation. p.

Abdulina, N.G., Rutkovskaia, L.I. - De
of the nitric acid extract from Karatau
by sericite. p.628.

Gafarova, K.M. - Preliminary experimen
ing hemp dogbane from seeds. p.633.

Bibliography of scientific works published
scientist staff of the Alma-Ata Zootech
Veterinary Institute. p.637.

BATUM. NAUCHNO-ISSLEDOVATEL'SKAIA
ZIAISTVENNAIA STANTSIIA GRUZII. Tr
ERY RESEARCH STATION OF GEORGIA.
actions]. Vol.6, 1961.

Table of contents translated:

Barach, G.P. - Biology of the transitional
form of the salmon trout of the Black S
during the migration period and the rep
salmon stock in the Black Sea. p.3.

TSkhomelidze, O.I., Sergeeva, Zh.N., Ov
V.V. - Food resources of alpine lakes
Khanchaly and Bareti. p.36.

Chichel'nitskii, I.M. - Technological prog
resources of the labor productivity in th
processing enterprises of Georgia. p.

German Pavlovich Barach; an obituary. p.

KAMENETS-PODOL'SKIY. SIL'S'KOHOSPOD
INSTYTUT. Zootekhnichnyi fakul'tet. Nau
[AGRICULTURAL INSTITUTE. Faculty of
Husbandry. Studies]. Kiev, vol.6, 1963.
nia u tvarynnytstvi [Research in animal hus

Table of contents translated:

IEvtushenko, V.M. - Problems of increasin
tensity and profitableness of dairy cattle
p.3.

IEvtushenko, V.M. - Some possibilities for
improvement of cattle productivity. p.8

Ros', I.F., and others. - Using synthetic u
cattle fattening. p.12.

Bugalenko, S.I., Kruk, O.I. - Effect of subs
taining sulfur on the growth and technolo
erties of wool. p.16.

Gordiienko, M.F., and others. - Meat quali
rabbit varieties. p.21.

Ros', I.F. - Ascorbic acid content of milk i
sows as related to the length of lactation

Feklistov, M.M., Krikov, V.I. - Therapeuti
ness of the natural gastric juice in parat
fever ducklings. p.32.

Rozhdestvens'kyi, V. O. - Use of the "microbiological correcting screen" in the study of the bactericidal properties of solar radiation. p.34.

Rozhdestvens'kyi, V. O. - Use of a "microbiological harpoon" in the study of pathological material. p.38.

Rozhdestvens'kyi, V. O. - Using the "adaptation through the spore" method in the induced mutation in microbes. p.39.

Khotsianovs'kyi, I. I. - Characteristics of the histological structure of the skeleton of animals as related to their body constitution. p.41.

Gorlanov, V. T. - Dynamics of the growth and development of the thyroid gland and bones in chicks fed various microdose supplements of iodine. p.47.

Shiman, A. M. - Arterial anastomosis and paths of collateral circulation in hip muscles of domestic animals. p.52.

Shiman, A. M. - Arteries in the flexor muscles of the hip joint in domestic animals. p.56.

KIEV. NAUKOVO-DOSLIDNYI INSTYTUT TVARYNNYTSTVA LISOSTEPU I POLISSIA. Naukovi pratsi [**SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY OF THE FOREST-STEPPE REGION AND POLESYE.** Studies], Vol. 32, 1963. Ratsional'ne vykorystannia kormiv [Effective use of feeds]
(DNAL)

Table of contents translated:

Introduction. p.3.

Panasiuk, G. I. - Using corn silage in summer feeding of cows. p.5.

Semak, I. I., Menshov, N. I., Makaskov, V. IA. - Corn silage in summer fattening of young cattle. p.9.

Kula, G. A. - Year-round feeding of corn silage to pregnant cows. p.15.

Marovtov, N. A., and others. - Artificially dried hay meal as a protein and vitamin-rich feed for farm animals. p.19.

Semak, I. I., Menshov, N. I. - Using sugar beets during the finishing and fattening of cattle with corn silage. p.29.

Semak, I. I., Ivashov, I. G. - Using molasses waste in finishing and fattening cattle. p.33.

Palova, O. V. - Cobalt and manganese requirements of dairy cows in the forest-steppe zone of the Ukraine. p.43.

Pokrovs'kaia, K. P. - Role of the digestive apparatus in sulfur utilization by sheep fed inorganic sulfur. p.54.

Shumar, N. F. - Using crushed [illegible] in sheep rations. p.60.

Danilenko, I. A., Bogdanov, G. A. - Sugar beets in swine feeding. p.69.

Marovtov, N. A., Bulko, M. M. - Experience in changing the composition of mixed feeds in fattening swine for meat. p.91.

Marovtov, A. M. - Digestion and protein metabolism in swine fed mixed feeds. p.100.

Danilenko, I. A., Adamas, I. IA. - Effect of the method of preparing feeds for feeding on the productivity of swine during rearing and fattening. p.112.

Dolgorukovskaia, L. P. - Studying the processes and working out the equipment for the addition of trace elements, antibiotics, and vitamins to mixed feeds. p.117.

Bara, A. Z., and others. - Amino acid, vitamin, and trace element content of feeds. p.127.
(DNAL)

[illegible] [illegible] Organ of Ministerstva sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 24, no. 6, June 1964.
(DNAL)

KROLIKOVODSTVO I ZVEROVODSTVO [RABBIT BREEDING AND FUR FARMING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, no. 6, June 1964.
(DNAL)

MURMANSK. POLIARNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFII. Nauchno-tekhnicheskii biulleten' [**ARCTIC SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY.** Scientific and Technical Bulletin], no. 4(22), 1963.

Table of contents translated:

Maslov, N. A. - Possible condition of fish resources and the stocks of bottom fishes in the Barents Sea in 1963. p.3.

Tiuriakov, I. G. - Forecasting the state of the stocks of herring fisheries in the area of the northern Atlantic. p.6.

Baranenkova, A. S., Ponomareva, L. P. - Quantitative indices of estimating the abundance of young codfish and haddock in the Barents Sea during the winter of 1961-1962. p.9.

Sorkova, E. I. - Results of estimating the abundance of young rosefish in the Barents Sea in 1959-1960 and 1960-1961. p.14.

Shatova-Koroleva, I. V. - Distribution of young fish in the shore waters of the Murmansk Coast in 1959, 1960, and 1961. p.17.

Prozorova, G. P., Prokhorov, V. S. - Spawning of capelin in 1962. p.22.

Azbelev, V. V., and others. - Results of the natural spawning of humpback salmon in the rivers of the Kola Peninsula in 1961. p.24.

Elizarov, V. I. - Viability of humpback salmon during the embryonal period. p.25.

Kniazin, II. Sh. - Studying harp seal off Newfoundland. p.26.

Eliseev, A. A., Zhovnovskii, V. T. - Method of forecasting the water temperature in the Barents Sea for the cold season of the year. p.29.

Riabikov, V. D. - Relief and bottom deposits of the western Greenland fishing banks. p.31.

Gan'kov, A. A., Kiselev, O. N. - Using echo sounders in fishing under ice. p.33.

Shmaeva, I. I. - Resources of laminariaceous algae on Kil'din Island. p.36.

Zilanov, V. K. - Change in the size composition of herring concentrations at various fishing levels during the fall and winter period. p.39.

Pakhorukov, V. I., Shmavin, L. B., Penin, V. V. - Soviet oceanographic research in the Norwegian and Greenland Seas in June 1962. p.41.

Ksvinskii, M. M. - Materials on the estimation of the number of young codfish, haddock, and rosefish in the regions of the northwestern Atlantic in December-March 1961-1962. p.44.

Dakhnshanskii, E. I. - Pink salmon in a lake. p.46.

Lievilla, M. G. - Causes of mass mortality of the salmon (Salmo salar) in the Varzuga River in 1962. p.47.

REFERATIVNYI ZHURNAL. ZHIVOTNOVODSTVO, VETERINARIIA (otdel'nyi vypusk 59) [**JOURNAL OF ABSTRACTS. ANIMAL HUSBANDRY, VETERINARY MEDICINE** (Separate issue 59)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, June 1964.

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziaistvu pri SNKh SSSR [State Committee for Fisheries, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 40, no. 1, 1964.

Table of contents translated:

Increase the catches of fish. p.3.

Further development of pond fish culture in the U.S.S.R. p.6.

From speeches given at the conference on the performance of model fishing vessels. p.10.

The 50th anniversary of fishery education in the U.S.S.R. p.19.

Bogoslavskii, I. I. - Efficient organization of herring fishing in the White Sea. p.21.

Konkin, V. I. - Structure of the sturgeon catch in the Caspian Sea. p.23.

Trusov, V. Z. - A method to determine the maturity of gonads in female sturgeons. p.26.

Pozarovskaia, Z. A. - Effectiveness of measures for increasing the stock of Ladoga salmon. p.29.

Nebol'sin, P. D. - The 1951-1953 catches of wild carp in the lower Volga River and in the Volga Delta. p.31.

Nosal', A. D. - Cultivation of the whitefish Coregonus nasus (Pall.) in ponds of the Ukraine. p.37.

Rudnitskii, N. M. - Remarks on the method of unloading ships in the open sea without moorings. p.39.

Khomenko, N. I. - Use of distilling and boiler equipment on a BMRT-type boat (large freezer trawler). p.42.

Zaritskaia, L. N. - Does the breakdown of trawls affect the productivity of trawling? p.47.

Zenkov, V. K., Miroshnik, V. K. - Improved rigging of the 13/21 trawl used in perch fishing. p.49.

In the remote Bering Sea. p.52.

Alekseev, N. I. - Determination of the hydrodynamic characteristics of the wire cable in use. p.56.

Mostal'tsev, IU. - Purse seining on the SRTR-400 "Sukhumi." p.57.

Terent, N. I. - Organization of labor in a completely mechanized beach seining. p.64.

Deriabedova, Kh. G. - A new mechanized line for barrel salting of anchovies. p.70.

Mirzoev, P. A., Kireeva, A. D., Efimova, E. E. - Salt determination in fish by its specific weight. p.71.

Bal', I. G. - Magnetic conveyor for empty tin cans. p.83.

Vasil'eva, N. I. - Salmon salting in circulating brine. p.84.

Kos'ianchev, A. D. - Some data on 1962 fisheries in a series of capitalist countries. p.85.

Mischke, Z. B. - Crab pots (translated from the English). p.88.

Consultations. p.89.

Baranov, F. I. - Efficient use of fishery resources. p.90.

Terent, N. I. - Low-quality posters
New literature on the fishing indust

SMOLENSK. NAUCHNO-ISSLEDOVAT
RINARNAIA STANTSIIA. Trudy [V
SEARCH STATION. Transactions],
(DNAL)

Table of contents transla
Introduction. p.3.
Razumovskii, P. N. - Physiologica
seasonality of diseases of calve
lues. p.5.
Nemchenko, M. I. - Role of the ner
the development of pneumonia in
Razumovskii, P. N. - Hematologica
a secondary pneumonia in calves
Petrukhin, I. V. - Studying the dise
insufficient nutrition of young pig
Smolensk Province. p.39.
Petrukhin, I. V. - Studying the dise
insufficient nutrition of young pig
mental conditions. p.59.
Nemchenko, M. I. - Carbohydrate m
glucose therapy during pneumoni
p.103.
Nemchenko, M. I. - Carbohydrate m
"vagal" pneumonias. p.111.
Nemchenko, M. I. - Carbohydrate m
"sympathetic" pneumonias. p.12
Zubchenkov, V. I. - Effect of nitrofu
on some biochemical and physical
blood in horses. p.128.
Petrukhin, I. V. - Manganese conten
cattle on the farms of Smolensk P
Zubchenkov, V. I. - Pharmacology o
its substitutes. p.148.
Rubtsov, D. N. - Studying the effecti
biotics of the tetracycline series
pigs. p.173.
Rubtsov, D. N. - Studying the effecti
of compound feed antibiotics in p
pigs. p.180.
Razumovskaia, Z. A. - Effect of fee
vitamin metabolism in chicken. p.
Nemchenko, M. I. - Glycemic reacti
during intravenous administration
p.204.
Razumovskii, P. N. - Treating polyan
antibiotics in summer pneumoniae
p.213.
Petrukhin, I. V. - Treating trichomo
with trypaflavine, aminoacrichine
p.219.
Shilin, S. V., Razumovskii, P. N. -
causes of abortions and small litt
the collective farms of Khislavich
Petrukhin, I. V. - Accompanying mic
moniasis of cattle and its role in
the sexual apparatus. p.239.
Shilin, S. V. - Abortions in cows du
trated type of feeding. p.247.
Balashov, N. G. - Normal structure
follicles (graafian follicles) of the
mals. p.251.
Shilin, S. V. - Using iodine against
p.258.
Ileutova, L. A. - Using polymyxin in
of cows. p.264.
Egorova, V. D. - Studying the epizoo
fectious atrophic rhinitis of swine
Province. p.270.
Egorova, V. D., Zubchenkov, V. I. -
studying the etiology of infectious
of swine. p.278.
Zubchenkov, V. I. - Prophylactic and
action of some antibiotics in infect
rhinitis of swine. p.291.
Zubchenkov, V. I. - Prophylactic act
of sick swine in infectious atrophic
suckling pigs. p.299.
List of scientific papers published by
Smolensk Veterinary Scientific Re
p.301.
(DNAL)

UKRAINSKAIA OPYTNAIA STANTSIIA SH
STVA. Trudy [UKRAINIAN SERICULT
PERIMENT STATION. Transactions],
1958.
(DNAL)

ZHIVOTNOVODSTVO [ANIMAL HUSBAN
Ministerstvo sel'skogo khoziaistva SS
Agriculture of the U.S.S.R.]. Mosco
no. 12, Dec. 1959.
(DNAL)

Table of contents translate
Zarichnyi, I. P., Romanchuk, A. I. - I
seven-year plan of the "Gorniak" Ko
p.3.
Rostovtsev, N. F. - Soviet zootechny a
p.9.

Bogdanova, E.M. - Metabolism in young cattle under high and low rates of milk feeding. p.12.
Kiselev, IU.A. - Using the phenomenon of growth compensation in calf raising. p.19.
Leonov, N.I., Obraztsova, A.S. - Feed antibiotics for young animals. p.22.
Sobolev, A.S. - Liberal norms of common and iodized salt for young animals. p.24.
Rudin, V.D. - Trace elements as a source of the increase of animal productivity. p.26.
Grigor'eva, A.IA. - Feeding urea to cattle on the farms in Lugansk Province. p.27.
Sokolovskaia, I.I., Drozdova, L.P., Kurganov, V.A. - A new method of determining pregnancy. p.28.
Vasin, A.D. - Practices of an intercollective-farm station for the artificial insemination of animals. p.32.
Lebedev, M.M. - Heterosis and its practical use. p.35.
Arzumanian, E.A. - A new Black and White cattle strain and methods of its development. p.45.
Al'tshuler, V.E., Borisenko, E.IA., Sukhanov, N.P. Method of judging and grading bulls. p.58.
Bychkov, N.P., Sosedov, P.O. - Practices in the long use of cows. p.65.
Kovalevskaia, S.IA. - Improvement of fine-wool and medium fine-wool sheep raising on a collective farm in the Chuvash A.S.S.R. p.72.
Survey of the achievements of collective and state farms in meat production. p.74.
Blomkvist, B.L., Izhevskaia, E.E. - Economic effectiveness of using nitrogen fertilizers on meadows. p.76.
Tomme, M.F. - Third coordination conference on the evaluation of the nutrition value of feeds and methods of its measurement. p.78.
Drozdenko, N.P. - Changes in the composition of free amino acids in silage prepared by various methods. p.80.
Boiko, IA.I. and others - When one has lost the sense of objectivity (a group of authors). p.86.
Milovanov, V.K. - New developments in the technical equipment of a station of artificial insemination. p.89.
List of articles published in the journal "Zhivotnovodstvo" for 1959.
(DNAL)

Vol.22, no.3, Mar. 1960.
Table of contents translated:
Krasota, V.F. - Agricultural institutions of higher education and experimental stations at a new stage. p.3.
Berkovich, N.A. - Ways of creating an abundance of meat and milk. p.6.
Nikoliuk, B.N. - Seven-year plan fulfilled in four years. p.9.
IUdin, IU.I. - Possibilities of producing inexpensive mutton. p.16.
Ektov, V.A. - Effect of the level of feeding on the growth of the musculature and skeleton in young cattle. p.20.
Sakatunov, S.V. - Where is the Russian Yurlovka loud-voiced poultry strain? p.23.
Elsukov, M.P. - Expansion of forage bean fields. p.42.
Potemkin, N.D. - Theoretical and practical foundations for judging animals by body conformation. p.44.
Kolesnik, N.N. - Methods of determining the constitutional types of animals. p.48
Reshetniak, V.S. - Effect of the level of feeding calves on the growth, development (constitution), and subsequent milk yield in cattle crossed with the Simmenthal breed. p.52.
Bogoliubskii, S.N., Zhedenov, V.N. - Tasks and ways of morphological studies in zootechny. p.57.
Naumychev, A.N. - Changes in the physiological and morphological indices in swine fattened on corn silage. p.61.
Popov, N.F. - Important studies of the characteristics of digestion and metabolism in ruminants. p.24.
Zheltaval, V.F., Samoilenko, A.A., Shvab, I.V. - Phenothiazine-salt briquets as productivity stimulators. p.29.
Filev, D.S., Staftichuk, A.A. - Varieties and the density of corn plantations used for silage. p.32.
Molchadskii, S.R. - Sowing corn along with soybean in Kuybyshev Province. p.35.
Pavlov, I.P. - Unutilized resources of plant proteins in the non-Chernozem belt. p.38.
Livanov, K.V., Kuznetsova, A.D. - Mixtures of chick-pea with Sudan grass and sugar sorgo in the Volga Valley regions. p.41.
Andreev, M.N. - Characteristics of the nervous system in sheep of various constitutional types and its importance in practical animal husbandry. p.64.
Blomkvist, M. - Strengthening the relations between science and production. p.68.
Rakitianskii, P.P. - Loose maintenance of cattle during a period of three years. p.70.
Tikhomirov, I.V., Podgaevskaia, M.N. - Overall mechanization of a large poultry house. p.75.
Paichadze, B.V. - More on the arrangement of poultry houses. p.78.
Hessler, Gudrun. - Some problems of breeding work and the quality improvement of bacon. p.79.
Harold, Tangl. - Role of vitamins and antibiotics in animal husbandry. p.82.
Esaulov, P.A. - Australian Merino sheep. p.85.
Liubavskii, A.V. - Animal husbandry in China. p.92.
Ur'ev, E.A. - Sheep raising on state farms. p.94.
Sokolov, N.I., Pospelov, A.I. - Against misrepresentation. p.95.
(DNAL)

Vol.22, no.4, Apr. 1960.
Table of contents translated:
Gamaiunov, M.V. - Triumph of Lenin's cooperative plan and the further development of the collective system. p.3.
Popovich, I.D. - Greatest potential source of feed production. p.10.
Kostrov, K.A. - Green fallowing in Mordovia. p.15.
Medvedev, I.N. - Improvement of cultivated pastures in the trans-Ural region. p.21.
Kuznetsov, M.V. - Improving the method of sowing vetch for seed. p.23.
Solov'ev, B.F. - Let us expand sorgo fields. p.25.
Kotov, P.F., Oleinik, P.P. - Sugar sorgo in the southeastern areas of the Central Chernozem Region. p.28.
Berkovich, N.A. - Conference on corn. p.31.
Shain, S.S., Os'makov, I.G., Bogdanov, P.I. - Checkrow method in growing succulent forage crops. p.33.
Bodrova, E.S. - Selfless labor of the Ryazan women stock raisers. p.37.
Krasnov, V.D. - Economics of the efficient organization of cattle raising in Siberia. p.40.
Tikhonov, A.V. - Diversified practices in the production of chicken meat in the Kuban. p.47.
Kudriavtsev, P.N., Lebedev, IU.V. - Intravitam measurement of the thickness of lard in swine. p.56.
Litovchenko, G.R. - Methods of establishing the medium fine-wool sheep raising for desert and semidesert regions. p.58.
Voitko, D.I. - Effect of herd boars on the fertility of sows. p.67.
Kushner, Kh.F. - Effectiveness of the various forms of artificial selection in poultry raising. p.71.
Rostomian, K.E. - Overall automation on livestock farms. p.80.
Selivanov, A.A., and others. - A new machine for sprinkling animals. p.86.
Magyari, Andras. - Transformation of cattle in Hungary. p.88.
Gerasimov, N.A. - Paying no attention to the modern requirements of technological progress. p.93.
(DNAL)

Vol.22, no.5, May 1960.
Table of contents translated:
Rostovtsev, N.F. - Zootechny in the seven-year plan. p.3.
Markov, A. - Cordial talks with livestock raisers. p.9.
Lapkin, K. - Some problems of the specialization and distribution of animal husbandry in Bukhara Province. p.13.
Generalov, F.S., Savchenko, P.V. - Increase of labor productivity and specialization on a collective farm. p.19.
Admin, E.I., Remezov, L.V. - Loose maintenance of cows in field shelters. p.26.
Admina, L.IA. - Maintenance of swine in field shelters. p.27.
Sokolova, L.M. - Let us get rid of warble flies within 3-5 years. p.28.
Karapetian, S.K., Gukasian, M.N. - Possibilities of producing chicken meat in Armenia. p.30.
Blomkvist, M.S. - Cooperation of collective farms in the production of meat. p.36.
TSirel'son, N.B., and others.- Effectiveness of Belenskii's therapeutic serum in swine fattening. p.40.
Emel'ianov, A.S., Mironova, Z.A., Romashova, L.A. - Corn silage and urea in rations for cows. p.42.
Romanov, V.M. - Complete drying of hay in stocks by forced air draft. p.46.
Miulliar, A.G. - Crushing of stalks as the basis of a new technology of hay harvesting. p.50.
Azarov, G.S. - Salt sprinkling of pastures by the use of the ANZh-2 liquid-manure spreader. p.52.
IUrin, P.V. - Companion cropping of early and forage cabbage. p.54.
Orlov, V.M. - Hydrocyanic acid content of sorgo green plants. p.55.
Kapatsinskii, V.V. - Improving Red Gorbatov cattle. p.57.
Pershina, Z.N. - Butterfat percentage in Istobensk cattle. p.62.
Veselovskii, V.B. - Selection methods ensuring increased butterfat percentage combined with a higher milk yield. p.66.
Merkur'eva, E.K., Kuznetsov, N.I. - Methods of studying the function of the thyroid gland in cattle by the radioactive iodine-131 during the breeding for a high butterfat percentage. p.73.
Shvabe, A.K., Kalantar, I.L. - Physiological features and the composition of milk in Jersey and Black and White cattle. p.80.
Eisner, F.F. - Line breeding in stockbreeding. p.84.
Korol'kov, V.I., Pershina, Z., Putilov, A.K. - Essential observations on the instructions for cattle judging. p.87.
Smirnov, N.P. - Workdays of the team of specialists. p.91.
Makhtura, IA.V., Ivanov, A.I. - Information. p.95.
(DNAL)

Vol.22, no.6, June 1960.
Table of contents translated:
Liashenko, I.V., Rabinovich, M.E. - Principles of the distribution and specialization of animal husbandry in Kirghizistan. p.3.
Solntsev, K.M., Gaiko, A.A. - Possibilities of the development of beef cattle raising in White Russia. p.10.
Dmitrochenko, A.P. - Determining the requirements of farm animals for trace elements. p.15.
Davidov, R.B., Rykshina, Z.P. - Inexpensive source of vitamin B_{12} for animal husbandry. p.23.
Pianovskaia, L.P. - Ways of increasing the protein content of milk. p.28.
Dutov, V.D. - Baling hay without binding. p.35.
Smirnov, I.S. - Forage plants as stubble crops. p.38.
IUrisson, I.IU. - Efficient organization and use of cultivated pastures. p.40.
Nevinskas, G. - Diversified practices in the establishment and use of cultivated pastures in Lithuania. p.44.
Tairov, N.P., Goraklin, E.S. - Economic effectiveness of the perennial cultivated pastures on the "Bol'shevik" Collective Farm. p.47.
Seleznev, N.I. - Cultivated pastures in Smolensk Province. p.49.
Larichova, M.D. - Feed value of sugar beets. p.51.
Kvitko, A.Z. - Results and methods of the development of a dairy herd with high butterfat percentage. p.55.
Nusov, N.I. - First steps of the Council for Red Steppe Cattle. p.67.
Soldatov, A.P. - In the Council for the Work with Swiss Cattle at the Ministry of Agriculture of the R.S.F.S.R. p.69.
Outstanding Yaroslavl cattle breeder. p.71.
Sokolovskaia, I.I. - A great transformer of nature. p.72.
Dun Vei [Tung Wei]. - Artificial insemination of swine with semina preserved at room temperature with the addition of vitamin A. p.74.
Remizov, L.V., Tikhomirov, I.V. - Unit for the manufacture of hay meal. p.78.
Gevondian, S.A. - What the Armenian Institute of Stockbreeding and Veterinary Medicine is working on. p.80.
Klecka, A. - Changes in stockbreeding during the past fifteen years in Czechoslovakia. p.86.
Lisovskaia, O.V., Plavskii, V.I. - Chiana cattle of Italy. p.92.
Bodnia, N.F., and others. - Responses to our articles. p.95.
(DNAL)

Vol.22, no.8, Aug. 1960.
Table of contents translated:
Esaulov, P.A. - State of breeding work in the U.S.S.R. and measures for its improvement. p.3.
Popov, I.S. - Efficient use of protein-rich feeds in animal husbandry. p.15.
Solun, A.S. - Ways of reducing the rates of protein nutrition by using corn in feeding swine for meat. p.26.
Dmitrochenko, A.P. - Methods of evaluating and measuring the nutrition value of rations and feeds. p.35.
Shmanenkov, N.A. - Scientific principles underlying the use of urea. p.41.
Bezenko, S.P. - Effectiveness of corn silage enriched with urea and ammonium sulfate. p.46.
Isaeva, L.M. - Rotational breeding in swine raising. p.49.
Plishko, A.I. - Crossing and developing inbred lines in swine breeding in the Ukraine. p.5
Lebedev, M.M., Liapustin, A.A. - Characteristics of breeding dairy cattle on lines under artificial insemination. p.61
Kudriavtsev, P.N., Kozin[illegible], A.B. - Methods of producing inbred lines of swine in the U.S.A. p.65.

Slavin, R.M. - Mechanization and automation of modern poultry houses. p.75.

Vol'fer, V.G. - Valuable initiative of the Lindplatone Experimental Station. p.84.

Ginzburg, IA.M. - Possibilities of reducing the cost of milk production on collective farms in the central zone of Ryazan Province. p.87.

Gerchikov, N.P., Khaponiuthkov, A.R. - Responses to our articles. p.94.

(DNAL)

Vol.22, no.9, Sep.1960.

Table of contents translated:

Rostovtsev, N.F., Grosler, D.I. - Selection and methods of breeding work. p.3.

Voitenko, D.I. - Use of urea and ammonium bicarbonate in animal husbandry. p.12.

Shmakova, A.G. - Using chemical preparations in the preservation of green feeds. p.19.

Deriuagin, F.I., Dubasova, T.N. - Effectiveness of feeding sunflower heads and stems to animals. p.21.

Emel'ianov, A.S. - Thirty kg. of milk per day from a cow on pasture feeds. p.24.

Pshenichnyi, P.D. - Increasing the use of feed nitrogen in the formation of livestock products. p.27.

Smirnova, N.G., Sukovskii, N.N. - Characteristics of the specialization and distribution of animal husbandry in Lugansk Province. p.31.

Gorshin, E.G., Tatarov, N.P. - Work methods of Anton Burtinin. p.38.

Zinchenko, A.P., Ul'ianin, I.P., Kapustin, V.A. - Practices in loose maintenance of cows on the "Gigant" State Farm. p.42.

Kuznetsova, M., Baranov, V. - Care for reducing the cost of production. p.45.

Lavrenko, M.Z., Tereshchenko, V.M., Kapustin, V.A. - Put in good order the computation of the cost of livestock products on state farms. p.49.

Kirsanov, M.D., Markova, A.P., Kasakova, M.M. - Optimal use of the maturity of Black and White cattle. p.51.

Kachurkin, I.P. - Organization of the breeding work and artificial insemination in [illegible] and Yaroslavl Province. p.57.

Zelenskii, G.G. - [illegible] wool goats of [illegible]. p.52.

Ustinskii, V.I. - Refrigeration for the deep freezing and prolonged storage of semen. p.63.

Kuznetsov, I.A. - Feeding [illegible] in organic [illegible]. p.65.

Fokeeva, P.I., Pazanova, N.N. - Interpreting the [illegible] of [illegible] and [illegible]. p.67.

Kravtsov, V.I. - [illegible] and the methods of [illegible]. p.71.

Belyavskii, IU.I. - Machine milking of cows without hand stripping. p.74.

Tereshko, N.N. - [illegible] with the electrical heating of water. p.75.

Kuznetsov, V.I. - Effects of feeding of [illegible] in animal husbandry. p.77.

Nesterov, V.A. - [illegible] p.91.

Petrov, V.A., Kharlamov, [illegible], [illegible], D.IA. - Practices of stimulating [illegible] of cows for the pregnant cows' preparation. p.88.

Uvarov, V.A. - [illegible] p.90.

Ruskiewicz, R. - Book reviews and bibliography. p.93.

(DNAL)

Vol.22, no.10, Oct.1960.

Table of contents translated:

Nikolaev, A.I., Litovchenko, G.R. - Some vital problems of the development of sheep raising. p.3.

IAkovenko, F.M. - Specialized sheep stations for specific zones. p.14.

Ul'ianov, V.V., Chen, L.L., Enaleev, [illegible] - Successes of sheep raisers on the "Kalmyk" State Breeding Farm. p.19.

Dzhangirian, R.A. - Resources of the mountain regions in Transcaucasia. p.25.

Preobrazhenskii, IU.B., Telesheva, [illegible] - Responses to our articles. p.29.

Lisak, V.D. - Interrelation of basic milk components at various levels of butterfat content. p.30.

Lizhdanov, L.T. - Selection in dairy cattle raising based on butterfat percentage types. p.33.

IArov, I.I. - Gas metabolism and water consumability and useful qualities in purebred and crossbred swine. p.32.

Akhmetov, G.K. - Digestibility and the use of feeds by young cattle, calves, and heifers. p.35.

Kuznetsov, IU.D. - Rations and costs. p.38.

Goncharova, A.S., Ostrova, V.O. - Animal husbandry management in the Transcarpathian Province. p.44.

Samoilenko, I.I. - From the practices in large-group maintenance of swine on the "Dal'nii" State Farm. p.49.

Kotel'nikov, P.S., Korandichikov, P.A. - Calcinated straw by the use of machinery. p.51.

Timchenko, A.G. - Fermented straw. p.53.

Kuznetsova, A.G. - Effectiveness of sprinkling in pastures. p.53.

Dandak, IA.V. - Over 200 calves per year. p.55.

Dorodin, G.M. - Raising calves on milk with decreased butterfat content. p.59.

Belin, M.I., Zlatkovskii, A.P. - Introducing technological information cards for the overall mechanization work on farms. p.63.

Karev, V.D. - Effect of automatic watering on the livestock production. p.70.

Vil'ner, A.M., Lvakhinov, V.D. - Food value of the rumen contents of cattle and the stomach contents of swine in feeding ducklings. p.71.

Varabina, P.F. - Feeding ducklings on rations with phosphatide additions. p.73.

Zelenka, B. - In the Lithuanian Institute of Animal Husbandry and Veterinary Medicine. p.75.

Avilov, G.I. - First World Congress of Endocrinology. p.83.

Petrov, I.A. - Centennial of the publication of the works of I.A. Mechnikov. p.86.

Blaal, A. - Measuring the back lard in live swine by the use of ultrasonic waves. p.88.

Fotskhiner, S.L., Bychkov, G.D. - Book reviews and bibliography. p.91.

(DNAL)

Vol.22, no.11, Nov.1960.

Table of contents translated:

Gavrilov, P.I. - Collective and state farms in Vladimir Province are mastering the new technology on farms. p.3.

Ivo, V.A. - Specialization in animal husbandry on collective farms in the arid zone of the Trans-Volga region. p.10.

Pridatko, V.M., Ivanova, V.F., Matyushenko, A.P. - Animal husbandry management on the collective and state farms in the Zhashkov District of the Ukraine. p.17.

Orlov, V.I., Mamedov, S.O. - In the mountainous regions of Azerbaijan. p.22.

Ivashko, I.F., [illegible] - Protein and carbohydrate feeds from straw. p.26.

Ivashko, M.S., Bondarev, IU.F., Gurkin, V.A. - Effectiveness of feeding hydrolyzed coarse feeds combined with urea to dairy cows. p.31.

Rodionova, I.I. - Mineral iodized salt for animal husbandry in regions with iodine deficiency. p.35.

Pikhtakov, F.A. - Technology of obtaining iodized salt. p.37.

Gordo, I.I. - Selection and the use of bred bulls at the stations for the artificial insemination of animals in the Ukraine. p.39.

Bekenov, I.N. - Effect of the age of parents on the quality of progeny in cattle. p.47.

[illegible], V.M. - Improving the bacon quality on the basis of the evaluation of the heredity in [illegible] generation of swine. p.51.

Nikolaev, M.I. - Methods of developing golden Karakul sheep. p.57.

[illegible], P.V. - Regular features of carbohydrate metabolism in the organism of growing cattle. p.65.

Yanin, A.I. - Morphological changes in the [illegible] of adult Altai fine-wool sheep in ontogenesis. p.72.

Belikov, IU.D. - Constitutional types and the internal structure of [illegible]. p.77.

Abdulaev, F.R., Kuzmin, N.M. - Electrical marker of farm animals. p.80.

Avetisian, A.L. - Electrical rotary hoof cleaner. p.81.

[illegible], M.F. - International congress on meadow management in London. p.84.

Kazanov, S.V., Babaev, I.A., [illegible], A.M. - Stimulating effect of ultraviolet rays on productivity in animals. p.87.

Moskovskii, I.K. - An interesting and useful book. p.92.

Pashkov, B.V., [illegible], G.S., Lisitskii, A.V. - A book on beef cattle raising. p.93.

(DNAL)

Vol.22, no.12, Dec.1960.

Table of contents translated:

[illegible], P.A. - Some problems of technical progress on dairy farms. p.3.

Dzhindzhoev, V.L., Gorskii, [illegible] - Fifty cows on each 100 hectares of farm grassland toward the end of the five-year plan. p.10.

Ermolenko, IU.G. - Using water from artesian wells for sheep in the western Caspian Sea region. p.14.

Ivanov, N.K. - Possibilities of increasing the production of beef on the state farms of virgin lands in the Altai Territory. p.17.

Bochalin, A.F. - Conference on beef cattle raising. p.24.

Matienko, A.K. - Technological changes helped in the fulfillment of obligations. p.26.

Zatonchkovskii, I.F. - Testing the methods of the control of sterility. p.30.

Pimenov, A.G. - Effectiveness of raising Kostyrdaev rams on various rations. p.36.

Maslov, N.F. - Effect of vitamin A on the spermatogenesis in bulls. p.39.

Rodin, I.I., Strelkov, V.N. - Staining and marking bull sperm. p.41.

Lebedev, M.M., Gorbunin, V.A. - Crossbreeding as a method of increasing butterfat percentage. p.43.

Fktov, V.A. - Crisscrossing and triple breeding in swine raising. p.50.

Velikikh, A.S. - Importance of selection in increasing the butterfat percentage. p.55.

Lanina, A.V. - Effect of local conditions on the formation of strain quality in animals. p.60.

Pravdin, M.E., Sheremetova, A.M. - A new method for the preservation of the blood of slaughtered animals. p.65.

Emelina, N.T. - Ways of controlling the vitamin A nutrition of dairy cattle. p.67.

Bondarev, IU.F. - Effect of the ration content of protein on the dynamics of the milk yield and butterfat percentage. p.70.

Ozhin, F.V. - Thirtieth anniversary of the introduction of artificial insemination of sheep. p.72.

Smirnov-Ugriumov, D.V., Gorokhov, L.N. - Does acetonemia occur in beef bulls when fed large amounts of grain? p.80.

Melekhin, P.I. - Half a century of the scientific activity of E.F. Liskun. p.83.

Popov, P.I., Kanukov, P.A. - Fine-wool and medium fine-wool sheep in new regions. p.84.

Kalinichenko, S.M. - Propagation of zootechnical knowledge and practices of expert stock raisers. p.87.

M.B. - At the readers' conference in Tambov Province. p.89.

Tkachev, F.Z. - Scientific information. p.90.

List of articles published in the journal in 1960. p.92.

(DNAL)

Vol.24, no.7, July 1962.

Table of contents translated:

Editorial: The most important problems of agriculture. p.3.

Sultsyn, P.S. - The "Nachalo" State Farm achieved a high production of meat. p.6.

Danilenko, I.A., Bogdanov, G.A., Maksakov, V.IA. - Quality of pork as a result of the feeding of feeds with rations to swine being raised for meat. p.10.

Gerbanov, N.A. - Raising of broilers as an important possibility for increasing meat production. p.10.

Bashkatov, V.P., Sulariov, V.F. - Economic effectiveness of the pasture fattening of lamb. p.27.

Movchan, V.A. - Pond fish farming in the Ukraine. p.31.

Egorov, A.G. - Pond fish culture in Eastern Siberia. p.35.

Vasil'ev, M.E. - Using summer pastures. p.39.

Hallan, G.A. - Resources for increasing feeds in mountain meadows. p.41.

Pivovarov, K.D. - Trace elements in plant growing. p.43.

Kudriavtsev, P.N., Kolazev, K.I. - Control work in swine raising as one of the important means for reducing expenditure of feeds. p.45.

Gigineishvili, N.S. - Methodical and organizational problems of raising colored Karakul sheep. p.53.

Vasil'ev, I.Z. - Practices in the artificial insemination of swine on the "Bol'shevik" State Farm. p.58.

Likhachev, A.N., Kudriavtseva, K.T. - Seamless polystyrene thermos bottles for semen transportation. p.60.

Bashirov, E.B. - A new method of training and using breeding and testing stock. p.63.

Karlov, V.N. - Interrelation of the body-type of animals and the typological characteristics of the nervous system. p.66.

Druianskii, A.M., Gabitov, T.O. - Letters to the editor. p.70.

Rosluchin, V.P. - Microbiology in the service of animal husbandry. p.72.

Gorshkov, L.A. - Practices in the use of peat for litter. p.78.

Gugenev, P.V., Shalnka, V.P. - Apparatus for cooling milk in the process of milking. p.82.

IAnovich, G.I. - Diethyltoluamide as an effective means against bloodsucking insects. p.84.

Nikolov, Nikola - Experiments in designing and mechanizing the livestock farms in Bulgaria. p.86.

Greben', L.K. - "Academician from Askanya." p.89.

Veleshev, P.A. - A book on the artificial insemination of animals. p.91.

(DNAL)

Vol. 24, no. 8, Aug. 1962.

Table of contents translated:

Sel'kin, D.N., Chursin, A.M. - Experiments in producing inexpensive meat in virgin areas. p. 3.

Posmitnyi, M.A., Posmitnyi, V.M. - Our production plans for meat and milk. p. 9.

Brencis, K.K. - Sugar beet as a valuable feed for swine. p. 12.

Khorev, M.I. - Fattening swine on rations with sugar beets and the additions of peas and beans. p. 16.

Aripdzhanov, R.T. - Intensive method of growing young turkeys for meat. p. 18.

Effectiveness of the new method of animal castration. p. 20.

Zafren, S.IA. - Ammoniation of corn silage. p. 24.

Palfii, F.IU., Nakonechnaia, IA.IA., Makar, G.N. - Enriching corn silage with sulfur-containing and other amino acids. p. 26.

Luk'iantsev, F. - Using chemical substances in preparing green feeds silage. p. 28.

Mamedov, Z.D. - Phosphatide concentrates in rations for buffalo fattening. p. 28.

Bukin, V.N., Mikhalin, E.D. - Problems of vitamins in animal husbandry. p. 30.

Kudasov, L.P., Karysheva, A.A., Afanas'eva, N.N. - Corn silage in summer rations for cows. p. 32.

Solntsev, K.M. - Using feed biomycin in rations for calves. p. 34.

Bogdanov, E.A., and others. - Quality of offsprings under various levels of feeding pregnant cows. p. 38.

Plishko, A.I. - Organization of breeding work in animal husbandry in the Ukraine. p. 43.

Prokhorenko, D.G. - Meat quality in Shorthorn cattle. p. 49.

Chernykh, A.I. - Improvement of Swiss cattle in Smolensk Province. p. 54.

Kazakov, V.M. - Artificial stimulation of heat in sheep. p. 58.

Misostov, T.A. - Blood indices and the production of semen in herd bulls as related to the conditions of maintenance. p. 62.

Nur al'din Abdel Rahman-ali. - Methods of the aseptic taking of herd buffalo semen. p. 65.

Chubabriia, V.P. - Characteristics of the loose maintenance of cattle in Eastern Siberia. p. 68.

Mikheev, I.G. - First results. p. 70.

Zhurkovich, D.I. - From the practices in the loose maintenance of cows. p. 72.

Cherekaev, A.V. - Breeding work with beef cattle in Canada. p. 75.

Grechko, V.A., and others. - Attachment for stacking straw ground in the field. p. 81.

Khukhrev, N.V. - Preparing and feeding mixed silage. p. 83.

Oriushev, A.N., Zhevarkova, N.F., Solov'eva, V.G. - Stimulators in the practice on the "Terek" State Swine Farm. p. 85.

Manucharov, A.B. - Anniversaries. p. 87.

Taranov, M.T., Kocherezhkin, V.G., Peskov, K.A. - Information. p. 89.

Plavskii, V.I. - Book reviews and bibliography. p. 94.

(DNAL)

Vol. 24, no. 10, Oct. 1962.

Table of contents translated:

Recommendations for raising and feeding cattle, swine, sheep, and poultry by zones in the U.S.S.R. p. 3.

Utilization of breeding animals from the cattle farm of the Gorki Leninskiye Experimental Station. p. 16.

Popov, I.S. - New source of feed protein in dairy cattle raising. p. 20.

Kniga, M.I. - Sugar beets in silage feeding of cows. p. 28.

Bondarev, IU.F., Gurtikh, V.A. - Treating straw with ammonia water. p. 33.

Korobov, A.P., Shtoda, I.V. - Chemical treatment of straw. p. 36.

Staroverov, N.A., Boiko, M.M., Mosolova, E.S. - Liming and other methods of the preparation of straw. p. 37.

IAniushkin, M.F. - Concentration of farm sections and centralization of intrafarm subsections. p. 40.

Khairullin, Sh.Sh., Prakhov, L.P. - New technology of feeding and keeping dairy cattle. p. 46.

Subach, N.P. - How the Kustanay State Grain Farm solves its meat problem. p. 52.

Gutman, K.IA. - Production of swine at the "Islitsa" State Farm. p. 54.

Peregonchuk, S.T. - Intensive feeding of uncastrated bulls. p. 58.

Varakina, E.F. - Sugar beet tops in rations for ducks. p. 64.

Zharikov, I.G. - Increasing the butterfat content in milk of Yaroslavl cows. p. 66.

Lunkevich, P.N., Polkovnikova, A.P. - We are developing high milk and butterfat yielding cows. p. 72.

Graudyn', N.I., and others. - From the practices in the homogenous breeding and crossing in fine-wool sheet raising. p. 77.

Gromov, A.M., Poletskii, V.A. - Effect of heterogenous blood on the organism of hens. p. 83.

Lopatko, M.I. - Method of freezing bull semen at -183-196° temperatures. p. 86.

Vlasov, P.G. - Animal husbandry in the Republic of Cuba. p. 89.

Frnciszek, Klocek. - Successful cooperation between Poland and the Soviet Union in the field of animal husbandry. p. 93.

Requirements for postgraduate work in the 1963 academic year. p. 95.

(DNAL)

Vol. 24, no. 11, Nov. 1962.

Table of contents translated:

Glory to the Great October Revolution. p. 3.

Recommendations for raising and feeding cattle, swine, sheep, and pultry by zones in the U.S.S.R. (continuation). p. 6.

Zakharov, V.P. - Conscience and honor of a zootechnician. p. 15.

Kalashnikov, A.P., Sorokina, N.S. - Silage-type feeding of dairy cattle. p. 10.

Karbyshev, S.I., Dudyrev, IU.I. - Forage bean meal in rations for cows. p. 25.

Solun, A.S. - Recent developments in the protein nutrition of swine and poultry. p. 28.

Riadchikov, V.G. - Amino acid nutrition of swine. p. 34.

Lebedev, I.A. - Conference on the amino acid nutrition of swine and poultry. p. 39.

Popov, A.P. - Summer fattening of castrated bull calves on corn silage. p. 41.

Petrova, K.V., Martiugin, D.D., Orlov, A.V. - Possibilities of improving meat quality in Kholmogory cattle. p. 43.

Semak, I.L., Maksakov, V.IA., Shcherbakov, V.M. - Effect of feeding on the quality of beef. p. 47.

Borzov, V.V. - Using calculating machines in a system of breeding records of herds raised for the market. p. 51.

Ernst, L.K. - Use of calculating machines in making plans for breeding work with a herd. p. 55.

Budanov, I.F., Starodubtsev, V.M. - Increasing butterfat content in cattle on the farms of Ryazan Province. p. 62.

Korotov, G.P. - Butterfat content in Yakutia cattle. p. 65.

Aizinbudas, L.B., Doviltis, P.P. - Electrometric method of the improvement of the determination of dates for the insemination of cows. p. 68.

Sysoev, A.A. - Methods of the sanitary and hygienic evaluation of the sex apparatus in animals. p. 70.

Semenishchev, A.I. - Technique of the recto-vaginal method of the artificial insemination of cows. p. 72.

Koba, V.G., Shveitsarov, L.L. - Practices in the mechanization of poultry houses in Saratov Province. p. 74.

Rostovtsev, N.F., Cherkashchenko, I.I. - Dairy cattle husbandry in the U.S.A. p. 79.

Danish Jersey cows have the highest butterfat percentage. p. 85.

Ingleton, N. - Problem of residual antibiotics in cow milk. p. 87.

Vasil'kov, G.V. - Veterinary hygiene in the service of animal husbandry. p. 88.

Elpat'evskii, D.V. - A textbook with serious errors. p. 91.

Plavskii, V.I. - Antibiotics in animal husbandry. p. 94.

(DNAL)

Vol. 24, no. 12, Dec. 1962.

Table of contents translated:

Editorial. p. 3.

Recommendations for raising and feeding cattle, swine, sheep, and poultry by zones in the U.S.S.R. (continuation). p. 5.

Liubimov, L.T. - Theoretical substantiation of raising high-yielding and long-lived dairy cattle. p. 11.

Nikishova, S.V. - Sugar beets helped to eliminate diseases and mortality of newborn calves. p. 19.

Venediktov, A.M. - Efficient trace element mixtures for young cattle. p. 20.

IArov, I.I., Vasil'ev, G.V. - Experiments in feeding mineral mixtures and biovit 40 to calves. p. 22.

Orlov, V.I. - Using pregnant mare's blood and serum in animal husbandry. p. 25.

Smirnova, E.I. - Role of iodine in the fertility of cows. p. 27.

Pirnazarov, S. - Effect of readily available carbohydrates in rations for herd bulls on the quality of semina and their general state. p. 32.

Misostova, N.V. - Importance of the delution degree of semina on the fertilizability of cows. p. 35.

Prokoptsev, V.M. - Improvement of an artificial vagina for boars. p. 36.

Nur al-Din Abdel Rahman-ali. - Using eosin for the differentiated staining of spermatozoa. p. 37.

Briukhovetskii, V.P. - Card files of sows and the calendar of an artificial insemination specialist. p. 39.

Ladan, P.E., Tarichenko, I.I., Trevoga, I.A. - oping inbred boards. p. 41.

Shostak, V.A. - Effectiveness of the breeding use inbred bulls. p. 44.

Pershina, Z.N., Graditsyn, G.N. - From the ex ments in planning breeding work with cattle o breeding farms. p. 46.

Pogodaev, S.F. - Circumferential measurement chest in cattle. p. 51.

Voronov, V.N., Flegontova, A.N., Budina, L.G. Experiments in crossing cattle of low butterfa tent with Jersey cattle on the "Kommunarka" S Farm. p. 54.

Trevoga, I.A., Kurilov, P.S. - Organization of supply and the protein balance of rations at the "Ventsy-zaria" Breeding Station. p. 59.

Orobinskii, I.I., Koshkin, I.N., Nikulina, E.A. - terial cultures as a means for the enrichment feeds with microbial protein. p. 62.

Popov, N.F. - New data on the characteristics of di gestion and the metabolism in ruminants. p. 6

Arandi, P.IA. - Some physiological aspects in the practice of cattle feeding. p. 70.

Borisov, V.A. - Physiological maturity of geese, p. 72.

Baryshnikov, I.A. - Sixtieth International Milk Co gress. p. 76.

IUrmaliat, A.P. - Watering newborn calves. p. 7

Balashenko, S.G., Sitko, IU.D. - Teat waterers f calves, lambs, and young pigs. p. 80.

Arzumanian, E.A. - Professor Mikhail Ivanovich Pridorogin. p. 81.

Morozov, V.A., Mikhailov, N.N. - A book that deserves special attention of workers in animal hu bandry. p. 85.

List of articles published in the journal in 1962. p

(DNAL)

c. FORESTRY

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES Organ of Gosudarstvennyi komitet po lesnoi, tselliu-lozno-bumazhnoi, derevoobrabatyvaiushchei promy lennosti i lesnomu khoziaistvu pri Gosplane SSSR a TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 38, no. 3, Mar. 1960.

Table of contents translated:

From the pages of technical journals. p. 2 of insert.

Semakov, A. - Archangel innovators improve production. p. 1.

Akimov, A.I. - In economic regions: Struggle for the fulfillment of the seven-year plan ahead of time. p. 3.

Kirevichev, V.E. - Promote the development of floating machinery. p. 6.

Arykin, I.G., Voskresenskii, IU.S., Lebedev, M.P. - Fully mechanize dredging operations. p. 9.

Zhuchin, V.N. - Dusting accelerates the thawing of ice. p. 10.

Kukovitskii, F.G., Solov'ev, B.A. - New developmen in floating machinery. p. 11.

Koloskov, V.N. - Winter rafting of timber in framelike stands. p. 16.

Zubankov, S.F. - Mechanization of the formation of sea cigar-shaped rafts. p. 10.

Bogatyrev, A.IA. - Unloading ships by winches. p. 19.

Khassinen, S.A. - Tractor truck with trailer in hauling lumber. p. 22.

Kanev, N.F., Baranov, A.M., Aliev, I.S. - Power tool for silvicultural operations. p. 23.

Alaev, L.S. - Do not prolong the time of the free floating drive. p. 27.

Postnov, S. - What a raft-barge unloader has shown. p. 28.

Sergutin, V.E., Chernov, I.M. - Hydrometeorologic forecasting in the service of floating. p. 29.

Chirkov, A.V. - A manual on the economics of floating. p. 30.

In the State Scientific Technical Committee of the Council of Ministers of the R.S.F.S.R. p. 31.

Gleb Afanas'evich Zhukov; obituary. p. 31.

Dmitrieva, S., Lositskaia, I. - Floating on the screen. p. 32.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 12, no. 3, Mar. 1960.

Table of contents translated:

Bochkarev, M.M. - Foresters of the Russian Federation facing new tasks. p. 1.

Zinov'ev, V. - Simplify the improvement cuttings in the young stands in the north. p. 7.
Smoliak, L. P. - Resistance of tree species to flooding and a raised groundwater level. p. 8.
Sin'kevich, M. P., Stadnitskii, G. V. - Phenology in the service of forest management. p. 10.
Nikitin, G. I. - Treelike spikenard. p. 12.
Kotiukov, A. E. - How to distinguish the early-leafing oaks from the late-leafing ones. p. 13.
Kozikov, F. L., Rozhkov, A. A. - Improve economic management in the forests of Kamchatka. p. 15.
Krechetov, N. I. - Utilization of timber resources in Siberian pine-hardwood forests. p. 17.
Makarychev, N. T. - Characteristics of the growth of some tree species in eroded areas. p. 21.
Orlov, F. B. - Summer planting of coniferae in the north. p. 24.
Selivanov, G. I. - Practices in the improvement cuttings in shelterbelt plantations. p. 26.
Krechetova, N. V., Naumkina, S. V. - State and prospects of the seed production work in the Far East. p. 30.
Oberto, V. I. - Preparation of soil for forest plantations. p. 32.
Pavlenko, F. A. - Planting material and seed sources of poplar. p. 34.
Maier, E. - Controlling the nun moth in the forests of Tomsk Province. p. 36.
Lozinskii, V. A., Sirotina, M. I. - Short-term forecasting of the multiplication of forest pests. p. 37.
Minkevich, I. I. - Forest pathologists to the aid of cruisers. p. 40.
Savinkov, S. M. - Shortened working day and new conditions of wages in forestry. p. 43.
Starodumov, A. M. - Planning fire prevention measures for the forests in Khabarovsk Territory. p. 46.
Sviridov, A. B., Poluparnev, IU. I. - The PL-70 plow mounted on the DT-54A tractor. p. 50.
Baranov, A. M. - A new power tool. p. 51.
Pern, L. K., Gusev, N. N. - Age of the reforestation cuttings in the green belt of Moscow. p. 55.
Safronov, M. A. - Use of forest typology in the organization of forest management. p. 59.
Tikhomirova, L. G. - Ryazan foresters help farmers. p. 61.
Anisimov, S. G., Gorodnov, S. V. - Afforestation of cutovers and hard-to-manage lands. p. 65.
Mikhailin, IU. M., Zolotareva, L. P. - Preparation of 2,4-D for the protection of young stands. p. 69.
Zhigalov, P. - Ivana-Franko Experimental and Training Forest Working Circle. p. 70.
Ganenko, I. G. - Our arboretum. p. 71.
Petrova, E. - One of many. p. 72.
Shchetinskii, E. - Helicopter protects the forest. p. 73.
Govorov, N. I. - Forest "Director." p. 74.
Nechaev, A. - Searchers of cork barks. p. 75.
Ermolenko, I. - It happened one night. p. 76.
Cherkov, B. V. - We are establishing new forests. p. 79.
Pruchkovskii, L. P., and others. - Readers' letters. p. 80.
Meierov, M. F. - Soviet machinery in Ceylon. p. 82.
Zharikov, IU., Petrov, M. F. - Book reviews and bibliography. p. 84.
Gribanov, L. N. - In the belt pine forests in the Ob'-Irtysh interfluve. p. 87.
G. P. - Brief news and information. p. 90.
Sosnin, N. - Brief news on miscellanea. p. 95.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsoiuza rabochikh lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol. 8, no. 7, July 1964.

MUSU GIRIOS [OUR FORESTS]. Issued by Lietuvos TSR Misku ukio ir misko pramones ministerija and Gamtos apsaugos komitetas prie Lietuvos TSR Ministru Tarybos [Ministry of Forestry and Lumbering of the Lithuanian S.S.R. and the Committee on Conservation, Attached to the Council of Ministers of the Lithuanian S.S.R.]. Vilnius, no. 4(189), Apr. 1964. [In Lithuanian]

REFERATIVNYI ZHURNAL: LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS: FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

d. PLANT CULTURE

KHLOPKOVODSTVO [COTTON GROWING]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 14, no. 6, June 1964.
(DNAL)

KUKURUZA [CORN]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 5, 1964.
(DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8(25), no. 6, 1964.
(DNAL)

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, no. 6, June 1964.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF GRAIN AND GRAIN PRODUCTS. Transactions]. No. 47, 1963.

Table of contents translated:
Ukolov, V.S., Rezchikov, V.A., Lebedik, G.I. - Drying castorbean seeds and capsules in bulk. p. 3.
Mel'nik, B.E., Pervov, B.P., Miagkova, S.M. - Drying earcorn on frames by the use of turbojet engines. p. 15.
Bratukhin, A.M., and others. - Technological and biochemical characteristics of rye. p. 33.
Senatorskii, B.V. - Change in the physical and mechanical characteristics of grain under hydrothermal processing. p. 43.
Suprunov, A.T. - Effect of extraction conditions on the first three break systems on the output and quality of rye flour varieties. p. 71.
Serdiukov, P.I., Safronova, A.F. - Using magnets for removing the impurities from flour at flour mills. p. 81.
Mamblsh, I.E., Sibiriakov, V.A. - Automation of the control and regulation of the process of grain grinding by roller mills. p. 91.
Kaplina, E.I., Demidov, A.R., Plushkin, A.T. - Automatic control of the work of a roller mill by the use of a sifter. p. 103.
Prokhorova, A.P., Makarov, V.V., Uspenskaia, V.I. - Determining the viability of corn seeds by the use of 2,3,5-triphenyltetrazolium chloride. p. 117.
Serebriakova, N.V. - Maximum permissible extent of drying forage bean seeds by heated air. p. 123.
Cherkovskaia, A.IA., Bondarchuk, S.S., Shaposhnikova, Z.S. - Improving the technology of grain fumigation by the use of methallyl chloride. p. 127.
Alipova, V.V., Suvorov, S.S. - Materials on testing electrical moisture meters of various design; the NUV-21 electrical moisture meter. p. 139.

PLODOOVOSHCHNYI INSTITUT IMENI I.V. MICHURINA. Trudy [I.V. MICHURIN FRUIT AND VEGETABLE INSTITUTE. Transactions]. Voronezh, vol. 14, 1962
(DNAL)

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, June 1964.

TABAK [TOBACCO]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, no. 2, 1964.
(DNAL)

TASHKENT. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KHLOPKOVODSTVA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF COTTON GROWING. Transactions]. No. 3, 1963.

Table of contents translated:
Legostaev, V.M. - Improvement of salinized soils. p. 3.
Kondratiuk, V.P. - Basic fall and spring tillage for cotton crops and their care. p. 39.
Madraimov, I.I. - Effect of potassium fertilizers on the development of cotton, structure of cotton bush, and quality of raw cotton. p. 86.
Protasov, P.V., and others. - From the work of the Laboratory of Agricultural Chemistry. p. 99.
Belousov, M.A. - From the work of the Laboratory of Plant Physiology. Methods for sand and soilless cultures in studying the root nutrition of cotton. p. 114.
Mukhanova, V.L. - Work results of the Laboratory of Radiobiology of the All-Union Scientific Research Institute of Cotton Growing for 1959-1961. p. 141.
Toropkina, A.L., Ngrebetskaia, V.V., Khusanbaeva, O.I. - Work results of the Laboratory of Microbiology for 1960-1961. p. 152.
Zelenin, N.N. - Effectiveness of compound solid and liquid fertilizers on cotton. p. 160.
IArovenko, G.I., Protopopova, I.I. - Effectiveness of combined fertilizers with poisonous chemicals for cotton. p. 167.
Zakirov, T.S. - Basic results of the study of the new defoliants and desiccants for cotton. p. 175.
Davydov, I.S. - Economics and organization of the production of collective and state farms. p. 194.
(DNAL)

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 10, Oct., 1963.
(DNAL)

Table of contents translated:
Pavlov, I.F. - For the efficient use of poisonous chemicals. p. 1.
Lukashevich, A.I. - Acting in accordance with the needs of agriculture. p. 3.
Diuev, I.F. - Role of mechanization in chemical weed control in flax fields. p. 4.
Neipert, IU.N. - This is available to every laboratory. p. 6.
Gladkina, T.S. - The marmot Marmota babac in the Virgin Territory. p. 8.
Savuta, A.S., Ivanov, G.K. - Readers' letters. p. 9.
Andreev, S.V., Martens, B.K. - Biophysics in plant protection. p. 10.
Monsivilaite, J., Puzinaite, I. - Use of herbicides in Lithuania. p. 14.
Persin, S.A. - Effect of soil conditions on the effectiveness of preparations. p. 15.
Golubkin, V.G. - Early planting and the Swedish fly. p. 17.
Ponomarenko, A.V., and others. - Granulated hexachlorocyclohexane in the control of wireworms. p. 18.
Lebedeva, L.N. - Sclerotinia infection of earcorns. p. 18.
Shurovenkov, IU.B. - European grain thrips. p. 19.
Fedoriak, V.E. - Acantholyda stellata in Kazakhstan. p. 20.
Matvievskii, A.S. - The pear moth Carpocapsa pyrivora. p. 21.
Korchagin, V.N., Ermolaeva, I.A. - Hexachloran in the control of the strawberry mite Steneotarsonemus pallidus. p. 22.
Rassvetaeva, N.I. - Simultaneous use of DDT and Dicue synthesis preparations. p. 23.
Zubov, M.F., and others. - From experiments in the use of new preparations p. 24.
Veletskii, I.N. - Economic methods for the use of herbicides. p. 27.
Degtiareva, A.S., Meisakhovich, IA.A. - Blower-type sprayer in young nurseries. p. 29.
Golyshin, N.M. - Fungicides. p. 31.
Sidorov, A.I., Kazakova, V.I. - Smoke means. p. 34.
Anfinnikov, M.A. - Leopard moth. p. 36.
Tupenevich, S.M. - Controlling clubroot. p. 38.
Kerzhner, I.M. - Bedbug. p. 40.
Zakharov, L.Z. - Wasps as apple pests. p. 42.
Gruzdev, V.V. - Protection of orchards from hares. p. 42.
Filitsin, V.V. - The "Sever" sprayer. p. 44.
Tumanov, I.L. - Rodent "reservation." p. 46.
Voronina, E.G. - Entomophthora infection of plant lices harmful to legumes. p. 47.
Vitukevich, E.R. - In the quarantine laboratories of the Ukraine. p. 48.
Losaberidze, T. - Interdistrict quarantine inspector. p. 49.
Senderov, I.K., Gel'fman, I.V. - Quarantine measures for the control of the Comstock mealybug. p. 50.
Nagy, B. - Plant protection in Hungary. p. 51.
Krasnova, N.M. - Possibilities of controlling Cercospora. p. 54.
Kulikov, N.I. - Control of loose smuts. p. 54.
Mardzhanian, G.M., and others. - Brief information. p. 55.
Rubtsov, I.A. - Acclimatization of the new parasites of soft scale insects. p. 58.
Gusevoi, A.M., and others. - Local information. p. 59.
Suvalov, I.S. - From the pages of the International Agricultural Journal. p. 61.
Pul'son, R.Kh. - From the pages of journals (first half of 1963). p. 62.
Bookshelf. p. 63.
(DNAL)

Vol. 5, no. 2, 1964.
Table of contents translated:
Everything depends on people. p. 1.
Chemical knowledge helps farmers. p. 4.
Kalandarov, A.K. - Fruitful cooperation. p. 5.
Nazarov, V.A. - Agricultural airplanes in the protection of crops. p. 7.
Danilchenko, G.S., and others. - Economic effectiveness of the use of herbicides. p. 9.
Agafonova, Z.IA., and others. - Resposes to our articles. p. 12.
Sifrashvili, N.A., Minasian, L.G. - Readers' letters. p. 17.
Kalashnikov, K.IA. - Disinfecting pea seeds. p. 18.
Soprunov, F.F. - Predatory soil fungi against pathogenic Nematoda. p. 21.
Litvinova, M.K., Litvinov, V.I. - Effect of seed disinfection on the yield of carrots. p. 22.
Apostolov, L.G. - Aerosols against oak leaf rollers. p. 23.
Shablovskii, V.V., Gusev, G.V., Esipenko, P.A. - Potato ladybird beetle. p. 24.
Kechakmadze, L.A. - Laurel diseases. p. 26.
Sokol', G.E. - Treating pea seeds before sowing. p. 27.
Savzdarg, E.E. - New development in the control of the strawberry mite Stenotarsonemus pallidus. p. 28.
Kisliatskikh, K., Popov, V. - Fumigation of pea seeds. p. 25.
Deriabin, V.I. - Sayfos against aphids. p. 29.
Trachenko, M.I., Tukalevskii, I.M. - Mechanizing the thermal disinfection of seeds. p. 30.
Sannikov, G.P. - Coupled ORP sprayers. p. 31.
Iltushchenko, V.N. - Indicator burner. p. 32.
Shneider, IU.I., Shalagina, A.I. - Bacteriosis of kidney beans. p. 33.
Filipov, N.A. - Mole cricket. p. 34.
Gol'shin, N.M. - Fungicides (conclusion). p. 36.
Kulikov, A.I., and others. - Nitrafen. p. 38.
Dement'eva, M.I., and others. - For the amateur fruit grower. p. 40.
Zakharova, T.I., Stepanova, M.IU. - Fluorescent method of determining the viability of spores. p. 45.
Porembskaia, N.B. - Diagnosis of the virus diseases of lupine Phaseolus virus and Cucumus virus 1. p. 46.
Rusakov, O.S. - Injurious insects in the ration of a mole. p. 47.
Shanikova, S.T. - Unit for the control of the quarantined ragweed Ambrosia artemisiaefolia. p. 48.
Rogova, T.I. - Controlling the San José scale. p. 49.
Samersov, V.F. - Acclimatization of Perillus. p. 51.
Rukavishnikov, B.I. - Integrated method of pest control (to be continued). p. 52.
IAkhontov, V.V. - Import and export of enthomophagous insects for acclimatization. p. 55.
Zharikov, IA.P., and others. - Brief information. p. 56.
Giliarov, M.S. - At the Section for General Entomology. p. 58.
Drozdov, L.S., TSyplenkov, E.P. - The 19th Afghan-Soviet Conference. p. 61.
Pavlov, I.F. - Review of B.V. IAkovlev's brochure. p. 62.
Bookshelf. p 63.
(DNAL)

Vol. 9, no. 5, 1964.
Table of contents translated:
Pay attention to the protection of orchards. p. 1.
Sidorenko, M.F. - Promoters of the protection of orchards. p. 3.
Davydenko, K.F. - Mobile exhibition. p. 5.
Chagina, V.A. - Helping lagging farms. p. 7.
Drozdovskii, E.M. - Introduce all new discoveries into production. p. 9.
Osmolovskii, G.E. - Method of controlling the spinach leaf miner. p. 11.
Lilik, V.P., and others. - Readers propose, criticize, discuss. p. 12.
Vanin, I.I. - Introduction of fruit and berry plants resistant to pests and diseases. p. 16.
Zlotina, G.D. - Verticillium blight of apple. p. 17.
Agafonova, Z.IA. - Fertilizers improve the resistance of corn. p. 19.
Babii, V.S. - Using poisonous chemicals with fertilizers. p. 20.
Samarin, V.F. - Controlling the green oak roller. p. 20.
Blagoveshchenskaia, V.S. - Low volume spraying in weed control. p. 21.
Voevodin, A.V., and others. - From practices in using poisonous chemicals. p. 22.
Prokopenko, S.F., Efremova, N.I. - For low volume spraying. p. 25.
Selin, I.V. - Fastening the boom of the GNK-B sprayer. p. 27.
Borodina, T.R. - Using esters of 2,4-D. p. 28.
Popkova, K.V., Shneider, IU.M. - Preparation of potatoes for planting. p. 29.
Kozlov, N.P. - Characteristics of controlling the Norway rat. p. 30.
Danilenko, S.I., Taranenko, A.M. - Be careful in working with poisonous chemicals. p. 32.
Sborshchikova, M.P. - Pests of rice seedlings. p. 33.
Ladonin, V.F. - Herbicides for grain fields. p. 34.
Filitsin, V.V. - The GAN-8 herbicide-ammonia machine. p. 36.
Shamaev, G.P. - How to determine the need for specialized machines. p. 39.
Korolev, P.A., and others. - Questions and answers. pp. 38, 40, 50.
Uspenskii, I.I. - Assortment of poisonous chemicals for 1964. p. 41.
Pastukhov, M.K. - Diamondback cabbage moth. p. 42.
V.F. - Do it yourself. p. 44.
Use entobacterin. p. 45.
Chumakov, A.E. - Survey of the development of grain diseases. p. 46.
Ageeva, A.G. - Sprout flies (Chortophila). p. 48.
Kireeva, G.S., Mirpulatova, N.S. - Accelerated method of diagnosis. p. 49.
Rutkovskii, IA.P. - Dodder retreats. p. 51.
Diadechko, N.P., Zhigaev, G.N. - "Mikron" in the control of the Colorado beetle. p. 52.
Kriachko, Z.F. - In friendly Afghanistan. p. 53.
Fratkin, A.B. - Some foreign pesticides. p. 55.
Il'initskii, L.V., and others. - Brief information. p. 56.
Khizhniak, P.A., and others. - Information and brief news. p. 57.
Smol'iannikov, V.V. - Taking shortcomings into account. p. 61.
Prisiazhniuk, A.A. - Breaking with practice. p. 62.
Bookshelf. p. 63.
(DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 26, no. 2, Feb., 1964.

Vol. 26, no. 2, Feb. 1964.
Table of contents translated:
Iodko, M.I. - For a general agrochemical study. p. 2.
Kulik, M.S. - Agrometeorological forecasting. p. 5.
Kabanov, P.K. - Ways for surmounting droughts. p. 12.
Aksel', M.V., Kafarena, V.I. - The 'Ershovskii" State Farm successfully copes with the drought. p. 19.
Belozorov, A.T., Moldavskii, D.D. - Utilize the Siberian land wisely. p. 26.
Gorianskii, M.M. - Crop rotations in the arid zone of the Ukraine. p. 31.
Sdobnikov, S.S. - Correct operation and regulation of disk harrows. p. 35.
Pannikov, V.D. - Properties of soils as related to the nutrition of plants and use of fertilizers. p. 41.
Rubin, B.A. - Physiology of the root nutrition of plants. p. 54.
Padalko, F. - Chemistry and cultivation practices win over drought. p. 59.
Girfanov, V.K., Shkurikhina, A.K. - Mineral fertilizers and the drought resistance of spring wheat. p. 61.
Mazepin, K.G. - Manure-soil composts in Chernozem soils. p. 64.
Sych, L.M. - Composting time and the composition of manure. p. 66.
Zabaznyi, P.A., Baturina, A.A. - Oilseed crops for the fields of the eastern regions of the country. p. 68.
Semak, V.I. - Indian mustard in Omsk Province. p. 71.
Vasil'ev, D.S. - Precision sowing method for sunflowers. p. 72.
Nemykin, P.I. - Growing strong wheat in Chestnut Solonetz-type soils. p. 75.
Ivanov, A.E., Zeifert, O.A. - Winter rye in sandy soils of the arid southeast. p. 77.
Isakov, IA.I. - Aftergrowth of sorgo. p. 80.
Chunderova, A.I., Shulyndin, A.F. - 'Millet fatigue" and its causes. p. 84.
Kubrakov, N.P. - Galega orientalis in sandy-loam soils. p. 88.
Konev, N.F. - Soybean growing in the U.S.A.; a survey. p. 89.
New books on the chemicalization of agriculture. p. 94.
Fedeneva, T. - Agriculture in the arid Volga Valley. p. 95.

Vol. 26, no. 5, May 1964.
Table of contents translated:
In the name of the triumph of communism. p. 3.
Mal'tsev, T.S. - For the introduction of new and advanced practices. p. 7.
Posmitnyi, M.A. - Permanent care is the greatest help. p. 9.
Dubonosov, T.S., Erkaev, A.D. - Introduce ad
technology in agriculture. p. 13.
Angel'ev, D., Trofimenko, N., Shakalov, O. -
crop depends on effort and knowledge. p. 21.
On the farms of an advanced regional administr
p. 29.
Buznitskii, A.G. - Possibilities of increasing
p. 30.
Musienko, I.P. - To make the ears heavier. p.
Shvets, A.G. - On the way toward large crop yi
p. 37.
Session of the All-Union Academy of Agricultur
Sciences. p. 41.
Varentsa, E.T., Tiulin, V.A. - Use of fertiliz
in the non-Chernozem zone. p. 44.
Kaldoja, R. - Using shale ashes in [illegible]. p. 4
Semenova, F.I. - Liming of acid soils. p. 53.
Mel'nikov, S. - Corn growers on the "[illegible]" Sta
Farm. p. 58.
Niinepuu, E., Vahenomm, K. - Hybrid turnip "Kuusiku." p. 61.
Zukov, IU.D. - Alfalfa in southern Kazakhstan. p. 62.
Pommers, P. - Proper utilization of pastures. p. 64.
Tiulimnikov, A.I. - Improving the field germinat
of forage crop seeds. p. 67.
Krivykh, F.P. - Significance of crop rotations.
Fridrichsons, E. - Rotation of crops in the Balt
countries. p. 72.
IAtsuk, E.P. - Recent developments in technolog
p. 75.
Kalugin, M.I. - Spring tillage of eroded soils. p.
Sharko, N. - Creative workdays. p. 84.
Taranda, M. - Specialists and agriculture. p. 88.
Radchenko, A. - We work in cooperation. p. 91.
Tyricheva, Z. - The most honorable occupation. p. 92.
Mosolov, I.V., Lapshina, A., [illegible], I.P.
Answers to readers' letters. p. 93.
Pugachev, A.N. - The AU-4 attachment for potato planters. p. 95.
Stepanov, G.R. - Forage crops in Sweden. p. [illegible]

ZERNOBOBOVYE KUL'TURY [PULSE CROPS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Mi
of Agriculture of the U.S.S.R.]. Moscow, vol. 2, no. 4, 1964.
(DNAL)

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Izvest
Seriia tekhnicheskikh nauk [ACADEMY OF SCIE
OF THE UZBEK S.S.R. Bulletin. Series in the Tec
nical Sciences]. Tashkent, vol. 7, no. 5, 1963.

Table of contents translated:
Prospects of organizing the water supply of the Angren-Almalyk industrial region. p. 5.
Khamudkhanov, M.Z., Usmanov, S.Z. - Transfor
with stepless control of secondary voltage by vary
ing the magnetic flux by means of a magnetic shu
p. 9.
Umarov, Kh.U. - Oscillations in units of control systems due to periodic disturbances. p. 15.
Abdullaev, D.A., Zakirov, T.A. - Selective proper
ties of LC-filters used in frequency relays of tele
mechanics. p. 21.
Kabulov, V.K. - Dynamic calculation of plane frame
systems. p. 28.
Polikor, B.E., Murskii, G.I., Karimov, A.A. -
Rational design of a vertical-spindle cotton-picking
drum with frictional drive. p. 39.
Rubinova, F.E., Mil'kis, B.E. - Water balance of the
intermontane part of the Angren River valley in the
Turk - Akhangaran sector. p. 47.
Abduraupov, R.R. - Determining the level in open channels in the case of unsteady motion of water. p. 57.
Balobolkin, A.N. - Secondary crushing and its effect on the productivity and dustiness of work in the extraction of the ore from the block. p. 65.
Miller, O.G., Rasskazov, A.P. - Effect of the consumption of quartz flux on the distribution of metals in the conversion of polymetallic matter. p. 74.
Ivanov, G.B. - "Heat supply and air conditioning in towns of Central Asia" by E.D. Rodimkin and F.I. Monokrovich. p. 81.
R.A. Alimov; on his 60th birthday. p. 82.
M.S. Vyzgo; on his 60th birthday. p. 83.
Coordinating conference on the hydraulics of tail-waters and the discharge of sediments across structures. p. 85.

Vol. 7, no. 6, 1963.
Table of contents translated:
Twentieth anniversary of the Academy of Sciences of the Uzbek S.S.R. p. 5.

Mavlianova, D.G. - Oscillations in a nonlinear control system. p.7.
Bazykov, B.S. - Determining the magnetic parameters of the material of toroidal cores. p.10.
Fermer, M.M. - Use of a voltage-multiplication circuit in a transforming ion rectifier with capacitance control of constant voltage. p.20.
Mukhaddinova, D.Kh. - Study of forced vibrations of the plate-shaped floodgate of a hydroelastic system by a seismic [illegible]. p.30.
Rashidov, T. - Effect of the depth of underground pipes on their seismic resistance and ways for reducing the depth. p.35.
Martem'ianov, A.I., Abdurashidov, K.S. - Effect of the state of strain of a structure on the period of its natural vibrations. p.41.
Khalilov, D. - Effect of geometric errors in a turret lathe on the precision of drilling holes. p.50.
Ivanenko, Iu.G. - Stability of the [illegible] section of an alluvial river bed. p.58.
Sal'nikov, M.P. - Automatic float valves for water discharge pipes of a closed irrigation system. p.67.
Usmanov, U.M. - Method for calculating the distribution of the [illegible] from aerial photographs and air temperatures. p.77.
Rakhimov, M.Kh. - Results of [illegible] of stream water [illegible]. p.80.
Iatsakovskii, [illegible] - Analysis of the operation of a [illegible] depending on the method of [illegible]. p.87.
Berlinskii, V.P. - Approximate estimate of the runoff of the [illegible]. p.95.
Subject index for 1963. p.99.

Vol.6, no.1, 1964.
Table of contents translated:
[illegible] p.3.
[illegible]
[illegible] p.7.
[illegible] p.16.
[illegible] p.25.
[illegible] p.28.
[illegible] p.33.
[illegible] p.38.
[illegible] p.50.
[illegible] p.55.
[illegible] p.61.
[illegible] p.66.
[illegible] p.77.
[illegible] p.91.
[illegible] p.85.
[illegible] p.87.

Vol.6, no.2, 1964.
Table of contents translated:
Khamudkhanov, M.Z., Usmanov, K.U. - Device for transforming [illegible] voltage into three- and six-phase pulse voltages for the control of multiphase [illegible] inverters. p.3.
Ismailkhodzhaev, R.R. - Problem of recognizing a useful signal in the case of very intense noise. p.11.
Kabulov, V.K. - Vibrations of a three-layered shell with a rigid filler. p.27.
Kurbanov, I.I. - Structural and metric synthesis of plane-hinged mechanisms by the harmonic analysis method. p.37.
Martem'ianov, A.I., Abdurashidov, K.S. - Use of the instrument method in estimating the stability of structures. p.50.
Aslyamov, A.A. - Study of planned unsteady percolation in the case of evaporation and transpiration from the surface of ground water in regions under irrigation. p.62.
Zakirov, Sh.Sh. - Laboratory studies and a simplified method for calculating the [illegible] of a river bed. p.68.

Akhmedov, U.N. - Development of streams in a transverse twisted air flow. p.82.
Ishchenko, G.B. - Classification and comparative evaluation of underground systems of exploitation of ore beds. p.90.

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN OF INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR (Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.). Moscow, vol.41, no.11, June 1964.

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S.S.R.]. Minsk, vol.7, no.5, May 1964.
Table of contents translated.
Sheftman, [illegible] - Infrared heating and drying of granular material in a fluidized bed. p.3.
Kharchenko, N.V., Makhorin, K.E. - Intensity of heat transfer between a fluidized bed and the immersed body at high temperatures. p.11.
Ivanenko, A.I. - Thermal calculation of a fluidized bed with a [illegible] flow of granular material. p.18.
Sorokina, N.V. - Methods for determining mass moisture transfer coefficients by the curves of drying kinetics. p.24.
Mikhailov, A.N., Zhurav'skii, M.V. - Investigating heat and mass transfer in the process of sublimation drying of liquid materials. p.28.
[illegible], [illegible] - Effect of interface resistance of capillary-porous and colloid bodies on heat and mass transfer processes during [illegible]. p.34.
[illegible], R.A. - Investigating temperature distribution during [illegible] evaporation from solid state [illegible]. p.43.
[illegible], A.I. - Effect of the temperature factor on the hydraulic resistance of a cylinder in a [illegible]. p.49.
[illegible], V.D. - Error in the measurement of surface temperature with a resistance thermometer. p.52.
[illegible], M.I., [illegible] - Effect of the filling gas on heat transfer in porous materials. p.59.
[illegible], A.D., [illegible], V.M., Petrov, V.A. - Emissivity and heat capacity of corundum up to a temperature of about 2000°K. p.63.
[illegible], V.P. - Experimental determination of the total emissivity of germanium. p.69.
[illegible], [illegible], [illegible] - Thermal properties of polymers. p.70.
[illegible], [illegible] - Methods and equipment for determining thermal properties of heat-insulating materials in the temperature range from 80 to 500°K. p.78.
[illegible], [illegible] - Heat transfer at high Prandtl numbers of a horizontal plane immersed in a [illegible] bed. p.89.
[illegible], [illegible], A.S. - Solutions of the differential equations of heat conductivity for a [illegible] cylinder under boundary conditions of the first and third kinds. p.95.
[illegible], [illegible] - Calculating the critical state of a [illegible]. p.98.
[illegible], [illegible], [illegible] - Measuring gas velocity behind a shock wave. p.104.
[illegible], [illegible] - Motion of a particle in a free jet. p.110.
[illegible], [illegible] - Interaction of [illegible] with carbon dioxide at high temperatures. p.114.
[illegible], A.I. - Fluid jet outflow into a [illegible] air flow. p.117.
[illegible], [illegible] - Mechanism of radiant heat supply for sublimation drying. p.119.
[illegible], [illegible], and others. - [illegible] on the fluidized bed. p.121.
Contents of the international journal "Heat and mass transfer," Vol.7, no.2, February 1964. p.123.
[illegible], [illegible] - Bibliography on heat and mass transfer. p.128.

IRKUTSK. POLITEKHNICHESKII INSTITUT. Nauchnye trudy [POLYTECHNIC INSTITUTE. Studies]. No.10, 1963. Voprosy proizvodstva glinozema [Production of alumina].
Table of contents translated:
Skobeev, I.K. - Multistage washing of pulps. p.3.
Skobeev, I.K. - Use and calculation of filter thickeners for the thickening and washing of pulps in the production of alumina. p.72.
Skobeev, I.K., Nazarov, V.I. - Thickening of pulps in an upward flow with a suspended filter. p.102.
Skobeev, I.K. - Use of coagulating agents in the thickening of red (Bayer) muds. p.121.

Skobeev, I.K. - Size of steel thickener tanks for the thickening and washing of pulps in the production of alumina. p.130.
Skobeev, I.K. - Some problems in the decomposition of aluminate solutions and the separation of aluminum hydroxide for seeding. p.155.
Skobeev, I.K., Nikol'skaia, N.I. - Selective flotation of aluminum silicate minerals. p.184.
Skobeev, I.K., Podkopaev, N.V. - Investigating the treatment and processing of [illegible] and [illegible]-chloritoid shales of the Lake Baikal region for the recovery of alumina. p.201.
Skobeev, I.K. - Alumina recovery from low-grade bauxites. p.210.
Skobeev, I.K. - Processing of aluminum silicates for alumina by the ammonium sulfate method. p.220.

IRKUTSK. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. No.[illegible] 1961. Seriia metallurgicheskaia [Metallurgical series].
Table of contents translated:
[illegible], A.I., Serikov, A.P. - Ways of fully utilizing sulfide raw materials of Western Siberia. p.3.
[illegible], A.I., Serikov, A.P. - Physicochemical principles of saline and acid leaching of sulfide materials. p.14.
Vygoda, B.M., Klein, V.L., Serikov, A.P. - Leaching in iron mattes of complex metal sulfide concentrates and semifinished products. p.27.
Klein, V.L., Serikov, A.P. - Studying conditions for the dissolution of a collective copper-nickel concentrate in a solution of ferric chloride. p.31.
Kulikova, V.N., [illegible], A.I. - Kinetics of the dissolution of nickel and iron metals in solutions of hydrochloric acid and ferric chloride. p.40.
Orlov, A.I., Kopylov, G.A. - Effect of preliminary sulfatizing roasting on the recovery of copper from oxidized and mixed copper ores. p.48.
Kulikova, V.N., Bumantsev, Iu.V., [illegible], I.M. - Investigating the sulfatizing roasting of [illegible] copper ores. Report No.1. p.59.
[illegible], I.M., Bumantsev, Iu.V., Kulikova, V.N. - Investigating the sulfatizing roasting of [illegible] copper ores. Report No.2. p.63.
Orlov, A.I., Kopylov, G.A., Ivanikova, L.D. - Enlarged laboratory testing of the hydrometallurgy of mixed low-grade ores. p.71.
[illegible], D.I. - Certain indices and [illegible] during the deposition of copper from sulfate and chloride solutions. p.79.
Zagorskikh, G.G., Vygoda, B.M. - Leaching of complex metal mattes in acid and ferric chloride solutions. p.93.
Ivanikova, L.D., Vygoda, B.M., Zagorskikh, G.G. - Direct hydrometallurgical processing of [illegible] oxidized lead ores. p.100.
Bumantsev, Iu.V., [illegible], Iu.G., Komarova, L.N. - [illegible] method of recovering lead and zinc from oxidized ores. p.113.
[illegible], M.N., [illegible], A.S., Nakol'skii, A.I. - Investigation on the recovery of molybdenum from low-grade [illegible] ores and concentrates. p.123.
[illegible], G.M., and others. - Oxidation of lead sulfide. Report No.1. p.130.
Bumantsev, Iu.V., Nakol'skii, A.P., [illegible], G.M. - Oxidation of lead sulfide. p.139.
Bumantsev, Iu.V., [illegible], N.A., Skobeev, I.K. - The oxidation of indium sulfide and its volatility in pyrometallurgical processes. p.145.
Nakol'skii, A.P., and others. - Obtaining conditioned [illegible] concentrates from [illegible]. p.156.
Nazarov, V.I., Skobeev, I.K. - Investigating conditions of thickening ore pulps in an upward flow. p.160.
Kopylov, G.A. - Copper determination with the help of a recording polarograph. p.172.
Chernov, I.A. - Supercharging of engines. p.177.
Chernov, I.A. - Graphic analysis of the simultaneous operation of superchargers. p.184.
Nikol'skii, B.V. - Projection of a complex image in perspective. p.191.
Nikol'skii, B.V. - Solution of certain problems in perspective on an inclined plane. p.196.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no.6(114), 1964.
Table of contents translated:
Razvinskii, G.V. - Institute and the inventor. p.1.
Shaumian, V. - Water, machinery, harvest. p.4.
Pargalia, B. - Abrasive and compromise. p.7.
Saltanov, E. - Machine spreads ballast. p.8.
Gan'kov, A. - Pickerel sends a signal. p.9.

Lebedev, N., and others. - Invisible barrier. p.10.
Bezuglyi, V. - Rubber meter. p.11.
We are living this way. p.12.
Medvedev, IU. - Rocket builds. p.14.
Bychkova, N. - Characters and conditions. p.17.
IAkobi, V. - Studying a bird's wing. p.18.
In your attorney's office. pp. 19, 23.
Conceived-achieved. p.20.
Kriukova, N. - Story about how Vadim Veniaminovich quarreled with the mine. p.22.
Belov, I. - At the boundary of the unknown. p.23.
Observe, learn, adopt. p.27.
Advertising board. p.30.
Nemirovskii, E. - Germany - German Democratic Republic and German Federal Republic. p.32.
Zubkov, D., Muslin, E. - The blue bag; a pamphlet. p.33.
Mamiofa, I. - Chemical substance is an invention. p.36.
From foreign countries. p.37.
Miroshnichenko, L. - In the kitchen of chemistry. p.39.

LENINGRAD. LENINGRADSKII INZHENERNO-EKONOMICHESKII INSTITUT. Trudy [LENINGRAD ENGINEERING AND ECONOMICS INSTITUTE. Transactions]. No.41, 1962. Printsipy postroeniia i razvitiia gorodskikh elektricheskikh setei i ratsional'nogo ispol'zovaniia energii [Principles of the design and development of municipal electric power distribution networks and effective use of electric power].

Table of contents translated:
Aizenberg, B.L. - Efficient design and means for improving municipal electric power distribution networks. p.5.
Kamenskii, M.D. - Determination of necessary equipment, materials, and monetary expenditures in the construction and expansion of municipal electric power distribution networks. p.22.
Volotskoi, N.V. - Remarks on the work of the Leningrad Institute of Economic Research and the Leningrad Scientific Technological Society of the Power Industry. p.28.
Klebanov, L.D. - Norms on electric power consumption in housing and communal needs. p.31.
Bessmertnyi, I.S. - Design of municipal electrical networks taking into account the growth of consumer loads. p.49.
Fedosenko, R.IA. - Use of new layouts and their technical and economic evaluation. p.52.
Vartanov, G.L. - Effective voltage in municipal power distribution networks. p.57.
Aizenberg, B.L. - Economic indices of deep entrances. p.64.
Bocharov, V.V., Ustimenko, P.G. - Technical and economic indices of deep entrances used in the Tashkent municipal power distribution network. p.72.
Mikhailova, V.I. - Counter regulation of voltage in single-strand 35 kv. lines (deep entrances). p.77.
Mel'nikov, N.A. - Voltage regulation in municipal electrical networks. p.83.
Boichuk, S.I. - Use of closed-loop 6 and 0.38 kv. networks in Bobruysk. p.91.
Voronkov, A.I. - Closed-loop 35 kv. power distribution network. p.99.
Medvedskii, N.I. - Use of doubled cable lines in municipal electrical networks. p.100.
Aizenberg, B.L., Gudialis, L.P. - Calculation of the selectivity of the protection system of medium-voltage power distribution networks. p.109.
Zarkhin, M.M. - Procedures for changing over a municipal power distribution network to closed-loop operation and special features of this mode. p.114.
TSapulich, P.IU. - Selection of a low-voltage power distribution network. p.117.
Klebanov, L.D. - Survey of foreign literature on closed-loop power distribution networks. p.122.
Dmitriev, V.M. - Development of a municipal low-voltage power distribution network. p.128.
Sharova, L.I. - Choice of an optimum method for increasing the carrying capacity of municipal 220/127 volt power distribution networks. p.141.
Gudialis, L.P. - Determination of the parameters of networks taking into account the surface current density of the load. p.150.
Dmitriev, V.M. - Choice of optimum loads for network transformer stations. p.165.
Tushina, A.A. - Design of networks with nonuniform phase load. p.173.
Aleksandrov, IU.A. - Use of cable cabinets in 6-10 kv. power distribution networks. p.182.
Treivish, E.D. - Test data on PR-2 and PN-2 fuses. p.190.
Aizenberg, B.L., Trofimov, P.E. - New modifications of selective system type fuse inserts. p.195.
Information of the Electric Equipment Industry Administration of the Leningrad Economic Council on the manufacture of selective system type fuses. p.198.
Seminar on closed-loop electric power distribution networks. p.202.
Gudialis, L.P. - Technical and economic calculations of continuously developing systems. p.207.
Concerning V.A.Kozlov's book "Closed-loop municipal electric power distribution networks." p.215.
Kozlov, V.A. - Choice of an optimum power rating for a substation with 35 kv. deep lead-in. p.224.
Eremin, K.A. - Design of relay protection, automatic control, and remote control systems for municipal electric power distribution networks. p.232.
Liberman, I.A. - Choice of wire sizes for municipal electric power distribution networks. p.246.
Grishkan, B.IA. - Use of complex transformer substations built from reinforced concrete blocks. p.250.
Konstantinov, B.A. - Work practices of industrial enterprises in Leningrad on effective use of electric power. p.260.
Aizenberg, B.L., Konstantinov, B.A. - Compensation of reactive power in industrial enterprises fed by their own power plants and from the commercial power distribution system. p.278.
Doinikova, IA.P. - Approximate evaluation of efficiency of using thermal electric power plants in variable operation. p.282.

No.46, 1963. Khimiia i khimicheskie proizvodstva [Chemistry and chemical industries].

Table of contents translated:
Foreword. p.3.
Savchenkov, A.F. - Production of synthetic ammonia from oil shales in the Estonian S.S.R. p.7.
Savchenkov, A.F., Maliutina, Z.D. - Ammonia liquor, a valuable fertilizer for the northwestern zone of the U.S.S.R. p.20.
Bryzgalova, E.V., Klimenko, V.L. - Possibility of the utilization of shale gas for the production of chemicals. p.27.
Klimenko, V.L., TSyrkin, E.B. - Use of butylenes in petroleum chemistry. p.34.
Timbukhtina, A.A. - Effectiveness of the use of new polymerization initiators in the production of emulsion rubbers. p.44.
Rozova, V.IA. - Effectiveness of the replacement of styrene by α-methylstyrene in the production of synthetic latexes. p.47.
IAroslavtsev, V.N. - Method for determining the expenditures of raw materials in the production of glass-reinforced plastics and the character of their change on varying the composition of their constituents. p.51.
Davidovich, S.K. - Results of the simultaneous accounting of the productive capacity of the chemical plants of the Leningrad Council of National Economy. p.58.
Romanova, O.V. - Experience in determining productive capacities. p.68.
Dovetov, M.Sh. - Certain problems of organization and planning of the production in chemical plants of the German Democratic Republic. p.70.
Timbukhtina, A.A. - State of the production of butadiene-styrene rubbers in capitalist countries. p.85.
Guman, A.K., Abarenkova, E.A. - Studying the possibility of producing and using certain salts of aromatic sulfonic acids. p.92.
Tarasenkova, E.M., and others. - Catalytic transformations of n-heptane over manganese oxides. p.96.

No.49, 1963. Zamknutye elektricheskie seti [Closed-loop electrical networks].

Table of contents translated:
Dmitriev, V.M. - Comparison of different methods for designing closed-loop low-voltage power distribution networks and selection of a calculation method applicable to different conditions. p.7.
Chmutov, A.P. - Graphical method for designing closed-loop power distribution networks. p.16.
Aizenberg, B.L. - Protection of municipal power distribution networks closed at medium and low-voltage ends without network automats. p.28.
Gudialis, L.P. - Calculation of short-circuit current distribution in closed municipal networks using matrix calculus. p.49.
Augustaitis, A.P., Gudialis, L.P. - Calculation of closed municipal power distribution networks using static d.c. models. p.62.
Chmutov, A.P. - Calculation of the selectivity of the protection systems of closed medium voltage networks using electronic digital computers. p.68.
Chmutov, A.P. - Calculation of closed low-voltage power distribution networks using electronic digital computers. p.89.
Bushuev, O.S., Klebanov, L.D. - Design of closed high-voltage power distribution networks. p.100.
Vaniushkin, V.P. - Technical and economic indices of progressive systems of a municipal power distribution network. p.109.
Mikhailova, E.G. - Methodology for technical and economic comparison of systems of a municipal power distribution network. p.217.
Polonskii, M.I. - Conversion of a 6 kv. network of the eastern part of Kaliningrad to closed system operation. p.131.

LENINGRAD. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. No.230, 1964. Tekhnicheskaia gidromekhanika [Technical hydromechanics].

Table of contents translated:
Lun'kin, IU.P., Shtengel', M.P. - Effect of the nonequilibrium dissociation on the flow about blunt bodies. p.7.
IAkovenko, V.V. - Effect of a vortex trail on the flow about a thick airfoil in an unsteady motion. p.13.
Kariakin, IU.E. - Flow about a circular cascade of disks. p.21.
Dushin, N.V. - Conformal Euclidean representation of Rieman spaces and the equations of hydrodynamics. p.27.
Simuni, L.M. - Unsteady viscous fluid flow in a lubricating layer. p.30.
Ovchinnikov, O.N. - Slow flow of a noncompressible viscous fluid about a permeable elliptic shell. p.36.
Aliev, R.Z., Demin, V.IA. - Calculation of a laminar boundary layer with an intermittent suction. p.40.
Smyslov, IU.N. - Longitudinal flow about a plate in the presence of a blowing of a conducting gas through the surface of the plate and of a magnetic field. p.54.
Loitsianskii, L.G. - Flows in a boundary layer similar to a self-simulated flow. p.59.
Bubnov, V.A. - Self-simulated flows in a thermal boundary layer. p.70.
Bubnov, V.A., Grishmanovskaia, K.I. - Exact solutions of the problems of a nonisothermal boundary layer in a noncompressible fluid. p.77.
Ivanov, E.P. - Self-simulated jet solutions of the equations of a boundary layer. p.84.
Ivanov, E.P. - Propagation of a laminar twisted jet in a concurrent accelerated flow. p.90.
Lapin, IU.V., Sergeev, G.P. - Effect of the dissociation on friction and heat transfer in a turbulent boundary layer. p.98.
Bolubekian, M.V. - Derivation of the equations for a magnetohydrodynamic boundary layer. p.107.
Kapustianskii, S.M. - Approximate calculation of a laminar boundary layer in a gas flow. p.111.
Bogdanova, V.V. - Investigating fluid flow through the impeller of the model of a diagonal flow hydraulic turbine. p.117.
Bushmarin, O.N., Mishchenko, V.M. - Investigating the conic deflector of the model of a horizontal hydraulic turbine. p.124.
Akatnov, N.I. - Experimental investigation of aerodynamic characteristics of the domes of astronomical telescopes. p.132.
Aliev, R.Z. - Comparative data on the efficiency of the hydrodynamic method for securing the vertical opening of a trawl. p.137.
Aerov, V.E., Fedorov, B.I. - Measurements of turbulent nonisothermal flows. p.139.

LVOV. POLITEKHNICHNYI INSTYTUT. Doklady [POLYTECHNIC INSTITUTE. Reports]. Vol.5, no.1/2, 1963. Khimiia i khimicheskaia tekhnologiia [Chemistry and chemical technology].

Table of contents translated:
Lushina, N.P., Berkman, IA.P. - Mechanism of the acid hydrolysis of substituted benzenesulfanilides. p.3.
Shuter, L.M. - Preparation of cation exchangers based on 4,4'dihydroxydiphenylsulfone. p.7.
Romaniv, V.V., Berkman, IA.P. - Industrial experimental data on the production of combined-type synthetic tanning agents. p.11.
Dikii, M.A., IUrzhenko, T.I. - Synthesis of the hydroperoxides of halo derivatives of isopropylbenzene and the study of their thermal decomposition rate. p.15.
Trakhtenberg, S.I., Korostylova, R.N. - Determination of the composition of products of graft copolymerization of esters of acrylic acid with casein. p.20.
Shuter, L.M., Trakhtenberg, S.I. - Synthesis of casein-acrylate film-forming materials for the surface dyeing of leather. p.25.
Vizgert, R.V., Savchuk, E.K. - Effect of the structure and polarity of the medium on the rate and mechanism of hydrolysis of aromatic sulfochlorides. p.29.
Tolopko, D.K., Prokopets, M.M. - Self-oxidation of triisopropylbenzene. p.34.
Lushina, N.P. - Methods of investigating the kinetics of acid hydrolysis of substituted benzenesulfanilide. p.37.
IUrzhenko, T.I., and others. - Polarographic and spectrophotometric study of some organic peroxide compounds. p.41.
IUrzhenko, T.I., Puchin, V.A., Golokhvastova, V.S. - Oxidation-reduction polymerization of acrylonitrile in the presence of organic hydroperoxides. p.48.

[illegible], U.A., Shuter, L.M., Berkman, IA.P. - Obtaining cationic and amphoteric water-soluble condensation products of amines and phenols with dimethylolurea. p.55.
Shevchenko, M.I., Berkman, IA.P. - Preparation of diazo constituents, derivatives of [illegible] acid. p.57.
Zel[illegible], A.M. - Size of the reaction zone during the autothermal conversion of methane to acetylene. p.65.
Zel[illegible], A.M., Strom, L.D. - Thermal decomposition of diluted acetylene. p.72.
Zel[illegible], A.M. - Critical rates of a break-away flame of methane-oxygen mixtures. p.78.
Rybin, [illegible], Berdnikov, D.L. - Obtaining compounds of alkylaryl sulfonic type from liquid paraffins of the fraction of 113 to 175° of [illegible] oil. p.84.
Rybin, [illegible] - Low-pour [illegible] fuels from [illegible] oil. p.90.
Shevchenko, M.I. - Preparation of [illegible] diazo constituents. p.93.
Romanov, V.V. - [illegible] p.96.
Akselrod, G.A. - New method in the theory of [illegible]. p.100.
Fialkov, I.S., Akselrod, G.A. - [illegible] mass transfer in [illegible] solid in a liquid. p.104.
[illegible], A.A. - [illegible] of plant wastes and its effect on the yield of [illegible]. p.109.
Blank, M.G. - [illegible] properties of the system [illegible]. p.114.
Blank, M.G. - [illegible] in the system [illegible]. p.12?.
Mikhalevich, [illegible] - [illegible] p.124.
Mikhalevich, [illegible] - [illegible] hydrolysis [illegible] phosphate. p.127.
Berkman, IA.P., [illegible] - [illegible] phosphates [illegible]. p.13?.
[illegible] - Synthesis [illegible]. p.134.
Volkov, M.I., [illegible] - Effect [illegible] fields [illegible]. p.139.
Volkova, [illegible] - [illegible] p.144.
Volkova, [illegible] - [illegible] p.144.
Akselrod, G.A., [illegible] - [illegible] p.149.
[illegible] - Effect of the phase composition [illegible] strength. p.150.
Vasenko, [illegible] - [illegible] p.161.
[illegible], A.A., [illegible] - [illegible] p.167.
Vasenko, [illegible] - [illegible] hydrolysis [illegible] p.169.
Vasenko, [illegible] - [illegible] p.172.
Berkman, IA.P., [illegible] - [illegible] p.176.
[illegible], M.P. - Preparation of [illegible] p.182.

(MOKSLAS IR TECHNIKA (SCIENCE AND TECHNOLOGY) Issued by Lietuvos TSR Ministru Tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S.S.R. for the Coordination of Research] and others. Kaunas, vol [illegible], no 7, July 1964 (in Lithuanian)

(ECON. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Biulleten' tekhniko-ekonomicheskoi informatsii (STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION. Bulletin of Technical and Economic Information) Vol 17, no 3, 1964.

Table of contents translated:
Gel'fin, L.A., Zagalov, A.S. - The [illegible]-Gr electric vibratory screen. p.3.
Frenkin, A.P. - Compressed disks for heating ingots. p.4.
Makarenko, V.P. - Ultrasonic cleaning of a permalloy belt. p.5.
Kolyshkin, O.M., and others. - Two-spindle boring worm-conveyer unit for mechanical coal extraction. p.7.
Bank, IA.B., Sokolov, A.I. - The K[illegible] coal mining combine. p.9.
Denisov, P.I. - Using clay powders in drilling oil and gas wells. p.10.
Dadashev, V.V. - New "Krotilin" herbicide. p.12.
Ilyashevich, M.L., Grudin, B.IA., Lazdin, E.E. - Feed conveyors for rubber tire plants. p.14.
Tikhonova, I.V., Kozlovskaia, L.N., Rudenko, N.I. - Heat-resistant foam rubber. p.18.
Gel'fman, IA.S. - Universal automatic transfer machine for molding ceramic metal articles. p.21.
Bulaev, V.E., Durkin, I.A. - Straightening hydraulic press. p.22.
Postalovskii, I.M. - Using bottom drive in the manufacture of presses. p.24.
Ustopinskii, P.A. - Mechanical removing of oil from used steam. p.27.
[illegible], N.N., Platov, N.G. - The ALGP-3 unit for welding in an atmosphere of carbon oxide. p.28.
Zhdanov, N.P. - Using the UVSN-4M modernized welding gun for welding on plan in an atmosphere of carbon oxide. p.30.
Ivanenko, N.IA., Meskin, M.D., Rogachevskii, D.M. - Flame boring of reinforced concrete. p.30.
[illegible], A.A., Nesler, I.F. - Automatic line for press fitting a ring on the [illegible] flywheel. p.31.
Gol'dman, F.M. - The VS 101 automatic machine for superfinishing bevel rollers. p.33.
Volgin, V.V. - Semiautomatic centering machine. p.34.
[illegible], A.A. - Machine for lapping crankcase cover plates. p.36.
[illegible], V.B. - Glass working machine. p.37.
Atroshchenko, I.A. - The K-760 paint-spraying gun. p.38.
Burgin, B.K., Rand, M.A. - Encapsulated hydraulic turbines. p.41.
Kleiman, V.B., Lebedev, V.V. - Transistorized standard pulse generator. p.41.
Zhukov, A.A. - Insulating and winding unit. p.44.
[illegible], V.I. - New [illegible] remote control devices used at the Moscow Subway. p.46.
Sakharov, M.P., [illegible], V.G. - Mechanization and automation of [illegible] processes in the woodworking enterprises. p.50.
[illegible], I.S., and others. - Automatic meter of the volume of round logs for long conveyors. p.51.
[illegible], I.I. - Use of polymer materials in the dairy industry. p.56.
[illegible], V., [illegible], A.F., [illegible], G. - [illegible] multifunctional cottage-cheese production. p.58.
[illegible], M.P. - Automatic machine for screwing caps on perfume bottles. p.60.
[illegible], M.P. - Using phosphate slags as phosphorus fertilizer. p.63.
[illegible], M.S. - [illegible] universal loader. p.64.
[illegible], M.P. - The [illegible] storage battery stacker. p.67.
[illegible], V.N. - Ball heading machine. p.68.
[illegible], V.V., [illegible], P.V. - Self-propelled car for heavy mail transportation. p.70.
[illegible], A.S. - Storage-battery truck for starting motor vehicles. p.71.
[illegible], I.I. - Improving the quality of polyvinyl chloride plasticized resin for cables. p.73.
[illegible], P.I. - Improving the quality of rubber articles used in the automobile industry. p.74.
[illegible], E.I. - Activity of the association for the manufacture of machinery for the light industry of the Leningrad Economic Council. p.75.
Tereshchenko, IA.K. - In the technical and economic council of the Leningrad Economic Council. p.76.
[illegible], I.S. - In the technical and economic council of the North Caucasus Economic Council. p.77.
[illegible], K.V., and others. - Automation of crushing system in ore dressing plants. p.79.
[illegible], N.K., [illegible], O.P., Topor, V.B. - Coke gas blast into blast furnaces. p.83.
Belousov, N.N., Zaslavskii, M.L. - Using vacuum in die-casting machines. p.87.
[illegible], A.M. - Centrifugal casting of plastics abroad. p.90.

Vol 17, no 4, Apr 1964.
Table of contents translated.
[illegible], V.A., [illegible], F.A. - Introducing the technology for rolling corrugated sections of low alloyed steel. p.3.
[illegible], N.A., [illegible], E.A. - Using hard alloy rolls for rolling very thin strip. p.5.
[illegible], S.I. - Feed mechanism for charging billets. p.7.
[illegible], L.G., [illegible], B.Kh. - Sets of automatic electric drives for stationary mine installations. p.9.
[illegible], G.P., [illegible], D.S., [illegible], N.I. - Efficient schemes in designing surface buildings and installations in mines. p.13.
[illegible], N.N. - Production of chemical fibers. p.17.
Shilanov, I.V. - Production of dyestuffs, pigments, and finishing preparations. p.19.
Tochenov, O.V., Grachev, B.M. - Semiautomatic assembling machine. p.22.
Vasilevich, G.K. - Sprue for patterns in precision investment casting. p.24.
Vologzhanin, A.A., Kulikov, V.A. - Modernization of the set of horizontal broaching machines. p.25.
Khotkin, A.I. - Semiautomatic two-spindle copying milling machine. p.27.
Karpov, V.A. - Machine for planing lubrication grooves and drilling holes in bushings. p.29.
Postnik, B.M. - The 3A150 semiautomatic high precision circular grinding machine. p.30.
Filipatov, V.L. - The [illegible]-1,5 transfer machine line. p.32.
Surovtsev, V.B. - Modernization of machine tools at the Gorkiy Plant. p.33.
Rudakov, F.M. - Information and computation centers and their efficiency. p.35.
[illegible], M.M. - The "Zenit-2" electronic centralized control machine. p.37.
Mikhailenko, V.I. - Modernization of the optical and acoustical gas analyzers. p.39.
[illegible], V.I. - The PL 510 VB-250 hydraulic turbine. p.41.
Sorokin, I.V., Kolotov, M.G. - Automatic machine for manufacturing paper sleeves for cables. p.43.
Matvienko, A.P. - The [illegible]-2 log trapping unit. p.45.
Kaufman, D.I., Feigel'man, S.D. - Machines for mechanized production of wooden containers. p.47.
Kaufman, D.I., Feigel'man, S.D. - The [illegible] wood-working machine. p.50.
[illegible], A.I. - Manufacture of curved cabinets for television receivers. p.52.
[illegible], I.S. - Machine for cutting the middle part of a bacon half carcass in [illegible]. p.54.
[illegible], A.S. - Using a refrigerating [illegible] unit with immediate evaporation [illegible] machine. p.55.
[illegible], G.G. - Economic efficiency of the universalization of agricultural machinery. p.59.
Abramov, I.D., [illegible], A.N. - The [illegible]-6 unit for artificial pollination of vineyards. p.60.
[illegible], S.F. - Equipment for wide-aisled poultry houses. p.61.
[illegible], I.A. - Clamshell bucket with [illegible] cutting line. p.63.
[illegible], I.I. - Mechanized peat collecting from [illegible]. p.64.
Alekhin, M.I. - All-Russian seminar on the increase of motor capacity of engines. p.67.
Increase of labor productivity in the plants of the Middle Ural Economic Council. p.68.
Improving the quality of instruments for thermal power control and regulation. p.69.
Limiting the use of automotive [illegible] for loading and unloading operations. p.69.
Development and introduction of auxiliary articles and materials in the textile industry. p.70.
Lukashevich, L.M. - Work of the laboratory for industrial and economic investigations of the Kuzbass Economic Council. p.71.
Krasilov, N.M. - First results of the work of industrial innovators. p.73.
Semin, P.F. - Activity of voluntary bureaus for the establishment of norms at the Ural Chemical Machinery Plant. p.74.
From information bulletins of the Central Bureau of Technical Information of the economic councils. p.75.
[illegible], A.M. - Production of ferrous and nonferrous metals directly from ores. p.78.
[illegible], A.G. - Economic evaluation of the oxygen-converter process abroad. p.80.
Belousov, N.N., Zaslavskii, M.L. - Alloys for casting in metal molds. p.81.
Garber, M.E., Tsypin, I.I. - Wear resistant alloys. p.85.
Sarynak, V.N. - Machining body and large-sized parts. p.87.
Cherenkov, I.V., Kostinskii, M.A. - Automatic lines for machining gears. p.93.
Gorinskii, V.N. - Automatic regulating and water measuring devices for irrigation systems. p.97.

Vol.17, no.5, May 1964.
Table of contents translated:
Berkov, V.G., Bagaraev, A.V., Shevchenko, V.P. - Introducing new methods for the preparation of a blast-furnace charge. p.3.
Salahvadze, V.S. - Corrosion protection of pipes. p.8.
Borshchenko, G.I. - Unit for continuous control of metal pressure on the rolls. p.9.
Geshelin, V.G. - Introduction of multistrand cables for heavy cranes. p.11.
Mashuk, V.S., Rechin, V.D., Bredikhin, R.I. - Introduction of hydraulic coal mining in Kuznetsk Basin mines. p.13.

Alidzaev, E.D. - Degasification of coal seams in the Donets Basin. p.15.
Sokolov, A.I., Bruk, IA.S. - Introducing the KN-3 equipment set. p.17.
Matevosov, R.D. - Introducing synthetic products instead of food produce. p.20.
Bol'shakov, I.F. - Automatic continuous line for the molding, shakeout and return of flasks. p.23.
Budnevich, V.A. - Producing reinforced aluminum castings. p.25.
Alekhin, N.I., Lorentso, G.M. - Introduction of a cantilever-type electric riveting machine. p.27.
Igoshin, A.P. - The ASID-3m-MVTU automatic welding machine. p.29.
Cherpakov, B.I., Charnyi, R.I. - Automatic lines for manufacturing valves for automobile and tractor engines. p.30.
Vishnia, N.M. - The 6308 and 6310 plano-milling machines. p.32.
Gil'dinson, E.M. - The Vs-167 and Vs-168 semiautomatic machines for centering billets of circular files. p.35.
Sal'nikov, F.I. - Semiautomatic machine for grinding and polishing flat surfaces. p.36.
Zlatopol'skii, M.IA. - The ASh6 semiautomatic assembling machine. p.37.
Perlin, IU.Sh. - Electric meter for rail joints. p.39.
Dubrov, N.S., Zaitsev, I.F. - Portable device for operational control of coal moisture. p.41.
Shchukin, A.I. - Electronic moisture meters for peat. p.42.
Kaufman, D.I., Feigel'man, S.O. - Automatic line for grinding boards. p.44.
Kaufman, D.I. - Equipment for grinding varnish coatings of board parts. p.45.
Antoniuk, P.P., Burdiugov, N.IA. - Down-the-row thinner of sugar beet sprouts. p.47.
Shamsutdinov, R.G. - Semimounted cleaner of corn cobs. p.49.
Ivanov, I.S., Naumov, G.I. - Bean harvesting machinery. p.51.
Prokof'ev, IU.A. - Overall mechanized storeroom. p.53.
Kostianko, F.E. - Container for the transportation of loose and powdered materials. p.56.
Construction and initial operation of experimental and industrial experimental units in the chemical industry. p.58.
Development and test of new methods for increasing the oil extraction from strata. p.58.
Construction and initial operation of experimental units in the petroleum refining industry. p.59.
Automatic processing of economic information for improving the management of enterprises of an economic council. p.59.
Introduction of new equipment in the Volga Economic Council. p.60.
Development of terrestrial railless transportation vehicles for operation in the Northern and Northeastern regions. p.61.
Standardization of lumber piles and of the means of mechanization related to them. p.62.
Ivanov, V.A. - Mechanization and automation of production processes in industry of the Leningrad Economic Council. p.63.
Berenshtein, E.A. - Practice of voluntary design and engineering offices in the enterprises of Kalinin Province. p.66.
Bagrov, I.N., Strizhov, V.P. - Activity of the technical and economic councils of the Middle Ural Economic Region. p.67.
Gellert, I.V. - Practice in improving the economic activity of the Moscow Economic Council. p.70.
From the information bulletins of the Central Office of Technical Information at economic councils. p.71.
Kostenko, F.G., Pasternak, I.B. - Modern rolling mills for gauging and reducing pipes. p.73.
Belkin, P.B., Lipin, A.I. - Basic trends of the mechanization and automation of electroplating processes. p.77.
Vladimirov, V.M. - Machine-tool industry in Japan. p.79.
Protasov, L.P. - Specialized warehouses and berths abroad. p.82.

NARYSY Z ISTORII TEKHNIKY I PRYRODOZNAVSTVA [STUDIES FROM THE HISTORY OF TECHNOLOGY AND THE NATURAL SCIENCES]. Issued by Ukrains'ke viddilennia Radians'koho natsional'noho ob''iednannia istorykiv pryrodoznavstva i tekhniky [Ukrainian Branch of the Soviet National Association of the Historians of Natural Sciences and Technology]. Kiev, no.3, 1963.

Table of contents translated:
Khryenov, K.K., Dobrov, H.M. - International Congress of the Historians of Natural Sciences and Technology. p.3.
Khryenov, K.K., Matiiko, M.M. - Welding in the machinery industry of the Ukrainian S.S.R. p.8.
Anisimov, IU.O. - V.I. Vernads'kyi as a historian of science; on the occasion of the centennial of his birth. p.22.
Kamenyeva, V.O. - Electric power engineering in Kiev (1951-1960). p.28.
Pakhodzilo, P.V. - Radio engineering in prerevolutionary Russia. p.50.
Dobrov, H.M. - New materials for the characterization of A.M. Terpigorev's activity. p.58.
Liakhovets'kyi, M.B. - Gifted, skillful Ukrainian; on the occasion of the 75th anniversary of H.S. Tereverko's birth. p.62.
Popov, P.M. - F. Engels' autographic summary manuscript about M.V. Lomonosov. p.71.
Hol'dman, O.H. - M.V. Lomonosov as a physicist. p.78.
Burkser, IE.S. - Geochemical research in the Ukraine. p.91.
Petrun', V.F. - History of the utilization of mineral resources of Krivorozh'ye. p.115.
Stepanova, O.S. - Mykola Mykolaiovych Sokolov, first chemist of Odessa University. p.127.
Depenchuk, N.P. - Problems of symmetry and assymetry in nature. p.133.
Scientific session of the Department of Technology of the Academy of Sciences of the Ukrainian S.S.R. with the topics "Problems of the history of technology." p.145.

NOVYE KNIGI ZA RUBEZHOM. Seriia B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol.8, no.5, May 1964.

ODESSA. POLITEKHNICHESKII INSTITUT. Nauchnye zapiski [POLYTECHNIC INSTITUTE. Studies]. Vol.40, 1962. Khimiia i khimicheskaia tekhnologiia [Chemistry and chemical technology].

Table of contents translated:
Bol'shakov, A.G., Matveenko, A.A. - Material balance of the production of granular ammonium nitrate. Report No.1. p.3.
Bol'shakov, A.G., Grinevich, A.T. - Study of the wettability of packed towers. Report No.4. p.15.
Bol'shakov, A.G., Grinevich, A.T. - Study of the wettability of packed towers. Report No.5. p.20.
Varlamov, M.L., and others. - Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No.1. p.24.
Varlamov, M.L., and others. - Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No.2. p.34.
Manakin, G.A. - Comparing the speed coefficients of the absorption of nitrogen oxides by alkali solutions in various types of apparatus. Report No.1. p.45.
Manakin, G.A. - Comparing the experimental data on the absorption of nitrogen oxides by water and acids in various types of apparatus. Report No.2. p.56.
Varlamov, M.L., and others. - Study of the absorption towers of the granulation shops of a superphosphate plant. p.62.
Varlamov, M.L., Ennan, A.A., Kozakova, L.M. - Rapid method for determining the quality of the performance of electric filters. p.73.
Ennan, A.A., and others. - Determining the drop contact angles and coefficients of the drop spreading of the aqueous solutions of fluosilicic acids and sodium fluorides. p.77.
Dashevskii, M.M., Shamis, E.M. - Friedel-Crafts acetylation of aromatic hydrocarbons. p.83.
Dashevskii, M.M., Balykina, E.P., Pupina, L.N. - Synthesis of α-(4-acenaphthyl)-ethylamine(IV). p.88.
Dashevskii, M.M., Terent'eva, G.N. - Nitration of some aromatic hydrocarbons. Report No.1. p.91.

PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, no.3, May-June 1964.

Table of contents translated:
Kuznetsov, V.M. - Steady propagation of a system of cracks in a viscoelastic material. p.3.
Khristianovich, S.A., Shemiakin, E.I. - Dynamic compressibility of hard rocks and metals. p.9.
Malinin, N.I. - Theory of anisotropic creep. p.16.
Syrovoi, V.A. - One-component beams of particles of like charge. p.24.
Alievskii, M.IA., Zhdanov, V.M., Polianskii, V.A. - Tensor of viscous stresses and the heat flow in a two-temperature partially ionized gas. p.32.
Bisnovatyi-Kogan, G.S. - Heat transfer and diffusion in a partially ionized two-temperature plasma. p.43.
Baranov, V.B. - Applicability of various equations in studying a completely ionized gas. p.52.
Regirer, S.A. - Electric field in a magnetohydrodynamic rectangular channel with nonconducting walls. p.60.
Kurbatskii, A.F., Onufriev, A.T. - Cooling by radiation of a gas flowing past a flat plate. p.69.
Zamuraev, V.P. - Laminar boundary layer in an emitting and absorbing gas near a flat plate. p.
Trokhan, A.M. - Measurement of gas flow parame by means of a fast electron beam. p.81.
Belotserkovskii, S.M., Sukhorukikh, V.S., Talarea chik, V.S. - Use of optical methods in determin the density field of spatial gas-dynamic flows. p.95.
Borodin, V.A., Ditiakin, IU.F., IAgodkin, V.I. - Mechanisms underlying the disintegration of a d let moving in a gas flow. p.100.
Kalashnikov, IU.N. - Effect of the relative velocity a gas bubble in a liquid on its dimensions. p.10
Kedrinskii, V.K., Pigolkin, G.M. - Stability of a co lapsing gas cavity in a rotating fluid. p.113.
Barzykin, V.V., and others. - Nonstationary theory of thermal explosions. p.118.
Zel'dovich, IA.B. - Burning velocity of gunpowder under variable pressure. p.120.
Istratov, A.G., Librovich, V.B., Novozhilov, B.V. - Approximate methods in the theory of unsteady burning velocity of gunpowder. p.130.
Babkin, V.S., Kozachenko, L.S., Kuznetsov, I.L. - Effect of pressure on the normal flame velocity of a methane-air mixture. p.145.
Margolin, A.D., Nefedova, O.I., Pokhil, P.F. - Dependence of the burning velocity of various fuel sy tems on the initial temperature. p.149.
Bobolev, V.K., and others. - Temperature distrib in burning ammonium perchlorate. p.153.
Minin, V.F. - Explosions on the surface of liquids. p.159.
Raizer, IU.P. - Dispersion of a gas cloud in a vacuu p.162.
Dulov, V.G. - Equations in "pressure - current function" variables describing steady axisymmetric g flows. p.164.
Zakharov, V.E. - Evolution of a wave packet in hydrodynamics involving sound dispersion. p.167.
Kozlov, L.F. - Approximate method for calculating optimum suction of liquid from the boundary layer of wing profiles with porous surfaces. p.169.
Radovskii, I.S. - Speed of sound in liquid and gaseous argon. p.172.
Zarubin, V.S. - Temperature state of a semitransparent spherical shell. p.175.
Vilesova, N.S., Namestnikov, V.S. - A hardening parameter. p.177.
Ivanova, R.IA. - Rolling of a viscoelastic cylinder on a foundation of the same material. p.179.

PROFESSIONAL'NO-TEKHNICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.21, no.5(229), May, 1964.

Table of contents translated:
Let's make way for progressive practices. p.1.
Agaev, M. - Schools of Azerbaijan in the new upsurge. p.3.
Sarychev, A. - Training of the petroleum industry workers. p.4.
Sadykhov, R. - With their own hands. p.6.
Salakhova, Kh. - Extracurricular work on social sciences. p.7.
Polianskii, V. - Major chemical industrial complexes require.... p.9.
Memruk, A. - Dictated by life. p.10.
In the State Committee on Vocational and Technical Education attached to the State Planning Commissio of the U.S.S.R. p.11.
Kornev, D. - Working cooperation of study groups. p.12.
Lesnikov, V. - Training of machine operators on virgin lands. p.13.
Mikhailov, N. - Chemistry in agriculture. p.14.
Obshadko, B. - Horizons of a worker and innovator. p.17.
Readers' conference. p.20.
Domina, E. - Methodological study room disseminates progressive pedagogical practices. p.21.
Churbanov, P. - Lessons on a screen. p.22.
Dumchenko, N. - Great prospects. p.23.
Gru, V. - Let's make better use of progressive educational practices. p.24.
Shelepin, A. - Rays of the "Communist Youth League searchlight." p.25.
Aver'ianov, M. - Public inspection is set. p.26.
Volkov, S. - Efficient form of studying. p.27.
Levchuk, R. - Chemists with wide specialization are required. p.28.
Uspenskii, B. - Workers' teacher. p.29.
Publications of the "Institutions of Higher Learning" Publishing House. p.31.
Our consultation. p.31.
Foremen should have a secondary vocational education. p.31.
Potentialities of mutual cooperation. p.32.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.]. Erivan, vol.7, no.2, Feb., 1964.

Table of contents translated:
Khachatrian, L. - Results of the fifth year of the seven-year plan and the objectives for 1964-1965. p.3.

Aizhemian, L. - Automatic transfer machines and the possibilities of their use. p. 6.

Simonian, K., Baghdasarian, H. - Development of the industry of building materials made of nonmetallic minerals in Armenia. p. 8.

Khudoian, K. - Toward new [illegible]. p. 11.

After the plenum. p. 12.

Abramian, V., Popov, G. - More attention to the processing of viniculture wastes. p. 14.

Kaladian, V. - Intensify technical inspection of labor safety in industry. p. 16.

Petrosian, V. - Efficient forms for using the [illegible] wage system. p. 19.

Pahlian, A. - Leninakan Textile Works [illegible] with profit. p. 22.

Voronin, V., Aslanian, D. - Outlook for the use of roof bolting in mines of the Kafan Copper Works. p. 24.

Bogdanenko, V., Poliakov, [illegible] - Device for [illegible] the output of [illegible] with the controller. p. 28.

Kalantarian, V., [illegible], [illegible] - Development of a [illegible] for [illegible]. p. 32.

Avetisov, [illegible] - [illegible] machines. p. [illegible]

Arutiunian, G. - High-speed [illegible] the concentration of [illegible] and [illegible] alcohol and of methane [illegible] acetate. p. 30.

[illegible]

MOSKVA. [illegible] Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]. Moscow, no. 77(137), 1963. [illegible] [Studies in the field of [illegible] measurements].

Table of contents translated:

[illegible], A.N., [illegible] - [illegible] the quality of [illegible] measurements. p. 5.

[illegible] - [illegible] p. 11.

[illegible], A.N. - A specific requirement for [illegible] electric [illegible] for water. p. 20.

[illegible], A.N., [illegible] - Use of an [illegible] of small [illegible] from [illegible] to 300 rpm. p. 24.

[illegible] - Studying the [illegible] field in a large measuring basin. p. 33.

[illegible] - Apparatus for measuring the speed of sound in water. p. 41.

[illegible], A.R. - Methodology of comparing [illegible] receivers and determining their directional diagrams in a standing wave field. p. 62.

[illegible] - Systematic error [illegible] in comparing [illegible] related to reflected waves. p. 69.

SARATOV. POLITEKHNICHESKII INSTITUT. Sbornik nauchnykh soobshchenii [POLYTECHNIC INSTITUTE. Scientific Reports]. No. 17, 1963. Teploenergetika [Heat and power engineering].

Table of contents translated:

Andriushchenko, A.I. - Calculation of optimum vacuum in the calculation of a steam turbine system. p. 3.

Khlebalin, Iu.M. - Thermodynamic calculation of optimum initial pressure of counterpressure systems. p. 14.

Kim, I.A. - Calculation of optimum feedwater temperature with variable operation of turbine systems. p. 23.

Lapshov, V.N., Popyrin, G.S. - Effectiveness of constructing steam and gas powered condensing power stations with 300 Mw. block units. p. 41.

Pashkov, V.A. - Construction of high pressure steam generators with increased air excess. p. 54.

Pchelkin, Iu.M., Kobaliov, V.I. - Temperature conditions of the heating surfaces of the TP-170 boiler operating on natural gas with increased loads. p. 65.

Zakhlebin, A.V. - Calculation of minimal temperature pressures with single stage distribution in the tail heating surfaces of a boiler. p. 77.

Zakhlebin, A.V. - Effect of feedwater on the choice of optimum temperature of the exhaust gases of boilers. p. 87.

Glazunov, M.A., [illegible], L.D., Ermak, L.S. - Regulation of the temperature of superheated steam by varying the intensity of the flame in a boiler operating on natural gas. p. 96.

Ilyin, I.S. - Effective system for utilizing the heat of [illegible] boiler [illegible]. p. 105.

[illegible], [illegible], M.V., Ponomareva, V.V. - [illegible] study of the various modes of operation of VK [illegible] turbine units. p. 111.

STANDARTIZATSIIA [STANDARDIZATION]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 28, no. 4, Apr. 1964.

Table of contents translated:

[illegible]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 32, no. 5, 1964.

TIFLIS. GRUZINSKII POLITEKHNICHESKII INSTITUT. Trudy [GEORGIAN POLYTECHNIC INSTITUTE. Transactions]. No. 3(93), 1963. Energetika i avtomatika [Power engineering and automatic control].

Table of contents translated:

Zerekidze, I.I. - Study of factors affecting the quality of characteristics of electric locomotives with regulated parameters and methods for adjusting the electric network of the locomotive. p. 3.

Zerekidze, I.I. - Special features of the changeover from one combination of electric traction motor connection to another in locomotives with regulated characteristics. p. 17.

Zerekidze, I.I. - Calculation of start resistances for electric locomotives with regulated characteristics. p. 31.

Kadzharov, M.V. - Determination of the probability of the origination of a new code combination in sequential transitions between discrete values of the variable. p. 43.

Kadzharov, M.V. - Analysis of the operation of pulse shaping devices of contactless remote control systems. p. 47.

Kadzharov, M.V. - Contactless code-impulse system for converting angular displacements to electrical signals using a spatial coding method without physical representation of the code. p. 53.

Kravelidze, R.D. - Automation of a tire vulcanization process. p. 61.

Kurdiani, I.S. - Transistorized measuring element of an automatic excitation controller. p. 71.

Kurdiani, I.S. - Transistorized frequency difference relay. p. 83.

Makharadze, G.M. - Theoretical principles of the analysis of transients in nonsymmetric modes of operation. p. 90.

Tevzadze, R.A. - Formulation of a problem on the determination of principal control parameters and functional automatic control of the drying departments of sintering plants. p. 107.

Tavadzhlashvili, G.K. - Design of nonsymmetric electrical networks. p. 117.

Chkheidze, G.K. - Symbolic method for calculating electrical networks as a special case of operational calculus. p. 147.

Chkheidze, G.K. - Calculation of electrical networks with periodically varying parameters. p. 161.

Ubiladze, I.G. - Electrical conductivity of the slag of medium carbon ferromanganese. p. 167.

VESTNYK UKRAINS'KYKH INZHENERIV. UKRAINIAN ENGINEERING NEWS. Issued by the Ukrainian Engineers' Society of America and the Ukrainian Technical Society in Canada. New York, vol. 15, no. 1(62), Jan.-Mar. 1964.

VLADIVOSTOK. DAL'NEVOSTOCHNYI POLITEKHNICHESKII INSTITUT. Trudy [FAR EASTERN POLYTECHNIC INSTITUTE. Transactions]. Vol. 56, no. 1, 1962.

Table of contents translated:

Evlampiev, K.T. - Calculating the parameters of involute gears according to measurement data. p. 3.

Voronichkin, M.A. - Undercutting cogs of a worm gear wheel. p. 17.

Evlampiev, K.T. - Processing motion graphs. p. 37.

Leont'ev, V.I. - Some regularities in the origination of natural vibrations caused by machining steel on lathes. p. 37.

Pokrovskaia, V.I. - Some problems of the strength of metal-cutting tools. p. 47.

Dzhamantishvili, N.N. - Kinematics of free oblique-angled cutting. p. 61.

Krakoviak, D.N. - Miniature dynamometer with resistance pickups used on lathes. p. 73.

Anipir, A.D. - Conditions for precision milling of surfaces. p. 77.

Ponomarev, V.I. - Geometrical precision of horizontal boring machines and its effect on the precision of hole machining. p. 85.

Gorbachev, I.V., Dement'eva, L.IA. - Eutectoid interval of some engineering cast irons. p. 107.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV. Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U.S.S.R.]. Moscow, vol. 5, no. 9(57), Sep. 1963.

Table of contents translated:

Every member of a scientific and technological society should be an active fighter for technical development. p. 2.

Baibakov, N. - Great chemical industry and great petroleum industry. p. 4.

Mol'nikov, F. - Exponents of the party line. p. 8.

Smoliarenko, D. - Potentialities of the steel industry. p. 11.

Ostroumikhova, K. - Increase the responsibilities of central boards of administration. p. 14.

Mollanov, V. - We support the workers of the combine plant. p. 16.

Chmnakov, S. - Active fighters for all the new and advanced. p. 17.

Bolgarov, N. - Solving the most urgent problems. p. 19.

Sukhorukov, IA. - On the road of creative research. p. 21.

Andreianova, V. - Much important business lies ahead. p. 23.
Beliaeva, A., Lezhankina, Z. - Successful cooperation. p. 25.
Aleksandrov, S. - Creators of good deeds. p. 30.
Nikiforov, K. - For the good of the people. p. 33.
Chvanov, D. - Workers of a metallurgical plant help a state farm. p. 35.
Grebenichenko, A. - Not a waste but valuable raw material. p. 36.
Putiaev, S. - Happiness consists in moving forward. p. 37.
Bogorad, V. - Conquerors of a millennial ailment. p. 40.
Stepanenko, IU., Kochetkov, V., Drabkin, A. - Workers of a plant are standing aside. p. 46.
Vishniakov, V. - Research is their motto. p. 48.
Lepeshenkova, R. - Technical achievements of workers. p. 51.
Lopatina, N. - Public information service. p. 53.
Sutiagin, V. - Hundreds of voluntary helpers. p. 54.
Aleksandrovskii, V. - Management school. p. 56.
Jelinek, T., Sykorova, V. - Groups divided by subjects for industrial research. p. 58.
Tanev, G. - Axially emitting antenna system. p. 59.
In leisure hours. p. 60.

Vol. 6, no. 3(63), Mar. 1964.
Table of contents translated:
Toward new achievements of technical progress. p. 2.
Grishin, V. V. - Urgent objectives of scientific and technological societies. p. 6.
Onufriev, M. - Creative pledges of mechanical engineers. p. 14.
Contribution of chemistry to the national economy. p. 16.
Afridonov, F. - The soil requires skilled people. p. 18.
Dmitriev, E. - Conquerors of virgin oil fields. p. 22.
Zakhar'in, A., and others. - Automation of founding processes. p. 25.
Savel'eva, N. - "Color climate" in enterprises. p. 27.
Koreshkov, D. - Generosity. p. 30.
Fedorenko, S. - Enthusiasts of a useful business. p. 32.
Chirkov, I. - When such patrons.... p. 34.
Slepov, A. - Plan, initiative, life. p. 36.
Sedov, M. - Experience becomes general property. p. 41.
Markin, D. - Corrections made by the members of the scientific and technological society. p. 45.
Zhukova, N., Makal', G. - At the service of agriculture. p. 48.
Morozkin, N. - Our attention to the economics of enterprises. p. 49.
Paromov, M. - Economics and the initiative of volunteers. p. 51.
Dubnov, L. - High tension. p. 55.
Hentsch, - Urgent objectives of the Department of Technology in the German Democratic Republic [translated from the German]. p. 58.
In leisure hours. p. 60.

*ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no. 2, Feb., 1964.
Table of contents translated:
Vainshtein, L. A. - Diffraction in open resonators and open wave guides with plane mirrors. p. 193.
Vainshtein, L. A. - Open resonators with cylindrical mirrors. p. 205.
Bertulis, V. A. - Effect of external action on the phase oscillations of accelerated particles. p. 218.
Bertulis, V. A. - Use of the harmonic linearization method in studying the phase oscillation of accelerated particles. p. 226.
Silin, V. P. - Weakly damping of plasma waves. p. 236.
Moiseev, S. S., Sagdeev, R. S. - Effect of finite conductivity on the stability of a plasma in a magnetic field. p. 248.
Bogdanov, A. V. - Magnetoacoustic waves in a nonisothermal plasma. p. 254.
Polovin, R. V. - Kinetic instability in a magnetic field. p. 259.
Solunskii, V. I., Timan, B. L. - Volume recombination with ambipolar diffusion in a gas discharge plasma. p. 262.
Demirkhanov, R. A., Gutkin, T. I., Soldatenkov, T. R. - Equilibrium of a plasma in a space-periodical (undulating) magnetic field. p. 266.
Averin, V. G., Mazing, M. A., Pisanko, A. I. - Intensity fluctuations of spectral lines in a toroidal discharge with a weak magnetic field. p. 269.
Bel'skii, S. A. - Ordered motion of particles in an Alpha plant. p. 272.
Voitsenia, V. S., and others. - Motion of dense plasma clots in the magnetic field of a toroidal solenoid. p. 280.
Butusov, M. M., Fridrikhov, S. A. - Anomalous noncompliance with Hull's cutoff condition in strong mutually opposed fields. p. 288.
Zager, B. A., Tishin, V. G. - Resonance high-frequency discharge and the possibilities of suppressing it. p. 297.
Grishin, V. K. - Longitudinal stability of a charged beam in quasi-stationary processes in cyclic accelerators. p. 307.
Kuznetsov, A. B. - Proton energy spectrum in a linear accelerator. p. 311.
Abrosimov, N. K., and others. - Theory of a channel composed of magnetic quadrupole lenses for producing pure μ -meson beams of different energy. p. 313.
Kel'man, V. M., and others. - Vertical focusing of an electron beam by cylindrical magnetic lenses in an axially symmetrical radially rising magnetic field. p. 320.
Karakhanov, V. IA., and others. - Volt-ampere characteristics and current oscillations in the circuit of a low-pressure plasma thermoelement. p. 326.
Adonina, A. I., Shcherbak, V. V. - Equivalent boundary conditions on a metal lattice situated on the boundary between two magnetodielectrics. p. 333.
Gershuni, G. Z., Zhukhovitskii, E. M. - Rotation of a sphere in a viscous conducting liquid in a magnetic field at high Reynolds numbers. p. 336.
Mitin, R. V., Kniazev, IU. R., Petrenko, V. I. - Long high-pressure arc in argon. p. 340.
Limar', A. G., Litvinenko, IU. A. - Theory of similitude in pulse multiturn coils. p. 344.
Kaliatskii, I. I., Kassirov, G. M. - Effect of electrode material on the pulse electric strength of a high-vacuum gap. p. 348.
Doktorov, IU. A., Akishin, A. I. - Electric breakdown in a high vacuum. p. 352.
Ionov, N. I., Tontegode, A. IA. - Probing characteristics measured by various kinds of probes in a gas discharge plasma in mercury and cesium vapors. p. 354.
Ben'iaminovich, M. B., Veksler, V. I. - Energy distribution of nickel atoms obtained in the cathode sputtering of nickel by mercury ions. p. 361.
Samokhin, M. V. - Calculating the transfer coefficients in a two-temperature plasma. p. 369.
Gil'denburg, V. B. - Plasma resonances in inhomogeneous objects. p. 372.
Vishnevetskii, M. Z., Kondrat'ev, B. V., Solov'eva, V. N. - Deceleration in a helical wave guide. p. 374.
Gordienko, V. P., Shneerson, G. A. - Electric explosion of a skin layer. p. 376.
Vishniakov, V. A., Zykov, A. I. - Effect of displacement of the optimum frequency of an injector accelerator. p. 379.
Zolototrubov, I. M., and others. - Plasma injection into a magnetic trap with opposing fields. p. 382.

b. AERONAUTICS

KRYL'IA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 15, no. 6, June 1964.
Table of contents translated:
Shatunov, G. - With Lenin's name. p. 1.
Stride forward, Spartakiada! p. 3.
Suvorov, V. - On aerial tracks. p. 4.
Andreev, N. - Nikolai Gastello's five fighting days. p. 5.
Sport wings. p. 6.
Sharp struggle is in prospect. p. 8.
Ignat'ev, S. - A memorable anniversary. p. 10.
Neimark, F. - Free fall with a motion-picture camera. p. 11.
Zharkovskii, I., Lebedinskii, M. - Commercial air fleet today and tomorrow. p. 12.
Koz'iakov, IU., Novikov, G. - The council of a club. p. 14.
Voluntary inspector. p. 14.
Tailless airplane model. p. 16.
Intulov, E. - Starting; verse. p. 16.
Belousov, A. - Protests have not been registered. It's a pity!
Facts, events, people. p. 18.
Veretennikov, M. - Long-distance soaring flight. p. 20.
Gliders abroad. p. 22
Vasil'ev, A. - New trends in the construction of airplane models. p. 23.
Taradeev, B. - How to make a model of the AN-24 airplane. p. 24.
Forostenko, IA. - Nesterov's loop. p. 25.
Sobolev, O. - Squeeze your hand, Ikar (to be concluded); a tale. p. 28.
"Cmelak" is in the air. p. 30.
It is interesting to know this. p. 31.

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 14, no. 6(114), 1964.

c. CHEMICAL TECHNOLOGY

GAZOVAIA PROMYSHLENNOST' [GAS INDUSTRY]. Organ of Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Production Committee for the Gas Industry of the U.S.S.R.] and others. Leningrad, vol. 7, no. 2, 1962.
Table of contents translated:
Scientific objectives in the gas industry in the light of the resolutions of the 22d Congress of the CPSU. p. 1.
Belov, K. A., Kozlov, A. L., Urinson, G. S. - Gas industry of Stavropol Territory. p. 7.
Tolmachev, V. S. - Hydraulic fracturing in the gas wells of the Stavropol field; a topic for discussion. p. 9.
Mikhal'kov, P. V., Vostrikova, V. P. - Selecting, transporting, and storing gas samples for the determination of hydrogen sulfide. p. 13.
Brauer, A. A. - Eliminating the disposal of phenol waters from the circulating water-supply system of gas generator stations. p. 17.
Ionin, A. A. - Designing medium-pressure injection burners. p. 19.
Alekseev, A. V., Stoliar, V. S. - Investigating a frontal device with preliminary mixing for the combustion chamber of a GT-6-750 gas turbine assembly. p. 27.
Tagunov, M. I. - Establishing standards for gas burners. p. 30.
Vasin, L. I. - Some gas economy potentials. p. 32.
Berkovich, V. D., Gordon, S. A. - Thermal pyrolysis of methane in a regeneration furnace. p. 33.
Gorodetskii, V. I., Pechenkov, R. IA., Rabicheva, S. G. - Increasing the capacity of gas pipelines by providing them with insertions or parallel sections. p. 36.
Korovin, V. M. - Self-starting and starting of AFZ-4500-1500 electric motors with shortened rotors. p. 40.
Balmasov, V. V. - Operation of an automatically controlled valve with pneumatic-hydraulic drive. p. 45.
Sandler, A. S., Shapiro, L. IA. - Selecting the controlled electric drive of centrifugal pumps. p. 48.
Gorbatikov, V. A. - Economic efficiency in the use of the automatic and remote control of gas pipelines; as a topic for discussion. p. 49.
Technical and economic problems in the transportation of liquefied methane in tankers. p. 54.
Brief news. p. 55.

Vol. 7, no. 6, 1962.
Table of contents translated:
Sergovantsev, V. T., Anders, V. R., Koniagin, V. F. - Automatic control of the transportation and distribution of gas. p. 1.
TSabut, I. I. - Automatic control in urban gas economy. p. 3.
Shadrin, L. N., Tkachenko, A. I. - Drilling of gas wells in the Igrim field. p. 6.
Trivus, N. A. - Solubility of gas in oil at high pressures. p. 9.
Derbaremdiker, M. I., Serebrennikova, K. I., Tkachev, G. I. - Gasification of mazut under pressure. p. 14.
Lukin, N. I. - Experimental investigation of burners with periphery feed of natural gas. p. 17.
Grodskii, IA. S., Zhdanov, A. A. - Starting and tuning up the central shielding gas station of the "Zaporozhstal'" plant. p. 24.
Smirnov, V. A. - Designing low-pressure distributing networks. p. 30.
Koganson, B. M. - Long-range gas jet in blast burners employing external mixing. p. 33.
Koganson, B. M. - Using a ceramic grid in forges with gas heating. p. 34.
Ginzburg, M. IA. - Electric modeling of nonlinear equations for nonsteady gas motion and evaluating the accuracy of linearization methods. p. 35.
Kashina, V. I. - Protecting the equipment of compressor stations for gas pipelines from dust. p. 39.
Bulaev, O. A., and others. - Investigating gas pipelines as radio wave guides. p. 43.
Subbotin, A. I., Kogan, P. S., Kazarnovskii, S. N. - High temperature pyrolysis of a butane-butylene fraction in order to obtain acetylene and ethylene simultaneously. p. 49.
Brief news. p. 53.
Bibliography. p. 54.

Vol. 9, no. 5, 1964.
Table of contents translated:
Editorial. p. 1.
Erofeev, N. S., Vasilov, V. G., L'vov, M. C. - Prospecting for gas during the first five years of the seven-year plan and problems of increasing gas reserves. p. 3.
Teplitskii, I. S. - Efficient development of multilayored gas fields. p. 8.
Khudiakov, O. F. - Generalizing certain results of investigations of phase transformations of gas condensate mixtures. p. 11.

Aleksandrovich, A.I. - Plastic underground gas pipelines. p.16.
Dorfman, L.L., Loshkarev, A.N. - Testing the vertical cylindrical VGD-40 boiler equipped with a pre-chamber medium-pressure injection burner. p.21.
Roiner, I.N. - Gas natural furnace operating on plate gas in the "Rustavi" Plant. p.25.
Sokolov, N.D. - Controlling gas fed to a boiler. p.26.
[illegible], G.M. - Consultation. p.29.
Furman, I.IA., Perelstein, V.A. - Using mathematical statistics to determine dispersion in gas consumption. p.30.
Khoroshilov, P.A., [illegible], V.I. - Using calcium chloride solutions as antifreeze inhibitors. p.34.
[illegible], V.S. - Speed of gas motion in gas pipelines and purification apparatus. p.41.
Golubev, I.F., Dobrovol'skii, O.A. - Measuring the density of nitrogen and hydrogen at low temperatures and high pressures by hydrostatic suspension. p.43.
Gas industry abroad. p.46.
Brief news. p.56.
Bibliography. p.74.

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL INDUSTRY]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated:
[illegible], V.D., [illegible], M.M., [illegible], M.A. - Study of [illegible] catalyst for [illegible]. p.721.
Chernetskaia, N.N., [illegible], M.I. - Application of [illegible]. p.725.
[illegible], D.P., [illegible], F.M. - Effect of [illegible]. p.731.
[illegible], D.M., [illegible] - Separation of [illegible] "catalysts" [illegible] crystallization. p.733.
[illegible], N.A., [illegible], A.M., [illegible], I.A. - Automatic regulation of [illegible]. p.742.
Chekalin, M.A., [illegible], M.N., [illegible], N.M. - Structure of the [illegible]. p.744.
[illegible], N.A., [illegible], D.I. - Synthesis of [illegible]. p.747.
Dmitrenko, L.M., and others - Selection of raw materials for the production of catalysts for ammonia synthesis. p.750.
[illegible], N.P., and others - Ammonium fluoride and the recovery of fluorine from waste gases. p.752.
[illegible], [illegible] - Chromatographic method for determining the [illegible] of gases [illegible] nitrogen fertilizer plants. p.754.
[illegible], N.M., [illegible] - Problems of [illegible] electrodialysis. p.756.
[illegible], M.IA., [illegible] - Use of [illegible]. p.758.
[illegible], F.M., [illegible], [illegible], I.D. - Relation between the [illegible] potential and the surface [illegible]. p.762.
Aleksandrovich, [illegible] - Certain problems involved in the treatment of potassium salts of [illegible] deposits. p.769.
[illegible], N.I., [illegible], M.A., [illegible] - Continuous drying of [illegible] polymer materials in a fluidized bed and in [illegible]. p.770.
Nikitina, N.I., [illegible], M.I. - Fluid velocity field in the intertubular space of a shell-and-tube heat exchanger. p.775.
Zemel'man, V.B., [illegible], A.M., [illegible], V.E. - Method for determining relations between the parameters of a revolving furnace. p.778.
Ershov, V.A. - Automatic analyzer control of waste waters of [illegible] manufacturing plants. p.782.
[illegible], L.A., and others - Corrosion behavior of carbon steel in nitrous oxide. p.782.
Urusov, I.I. - Calculating of a [illegible] catalyst. p.785.
Fedorenko, N.P., [illegible], L.A. - Production and uses of [illegible] gases in capitalist countries. p.787.
[illegible], V.I. - "Processes and apparatus of chemical technology" by A.N. Planovskii, V.M. Ramm, S.Z. Kagan. p.790.
New books for workers of the chemical industry. p.795.

KHIMICHNA PROMYSLOVIST' [CHEMICAL INDUSTRIES]. Issued by Instytut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordynatsii naukovo-doslidnykh robit and Ukrains'ke respublikans'ke pravlinnia Vsesoiuznoho khimichnoho tovarystva im. D.I. Mendeleieva [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Republic Administration of the D.I. Mendeleev All-Union Chemical Society]. Kiev, no. 3(19), Jul.-Sep., 1964.

Table of contents translated:
[illegible], A.M. - Main trends of the technical policies in the development of the production and use of mineral fertilizers. p.3.
Khomenko, A.D., [illegible], P.F., [illegible], V.O. - New types of mixed fertilizers containing trace elements. p.6.
[illegible], O.O. - Use of ion-exchange resins in agriculture. p.11.
[illegible], H.I. - Production of phosphorites in the Ukraine. p.12.
[illegible], D.I., Mikhal'ova, E.K. - Reduction of zinc-chromium catalysts in alcohol synthesis. p.15.
[illegible], N.N., [illegible], V.M. - New antifriction and chemically stable materials. p.20.
[illegible], M.A., [illegible], P.P. - New plastic composition for friction materials. p.24.
[illegible], A.P., [illegible], I.A., [illegible], N.A. - Production of powder capron by means of alkaline polymerization in organic solvents. p.25.
Alekseev, M.V. - Preparation and processing of foam polystyrol in the manufacture of various goods. p.29.
[illegible], I.A., [illegible], N.V., Terechuk, K.P. - Fields of application of Crimean bentonites in the national economy. p.31.
[illegible], L.P., [illegible], H.O. - Field testing of the domestic "[illegible]" preparation in the control of sugar beet weevils. p.35.
[illegible], V.I. - Static optimization of the carbonization column with the use of the universal calculating machine. p.38.
[illegible], V.K., and others - Control of carbonization and settling columns in the soda industry. p.42.
[illegible], D.D., [illegible], A.P. - Rolls for the manufacture of "[illegible]" (asbestos-rubber) sheets. p.45.
[illegible], V.M. - Contactless measurement of the thickness of sheet materials. p.48.
[illegible], I.O. - Absorption of sulfur dioxide by water in a scrubber with perforated plates. p.50.
[illegible], M.M. - Possibility of obtaining various chlorine-containing products in the manufacture of soda. p.53.
[illegible], V.I. - Technical and economic evaluation of thermal methods for the production of feed calcium phosphates. p.57.
[illegible], A.P. - Photocolorimetric method for determining nitrogen oxides in coke-oven gas. p.59.
[illegible], N.K., and others - Spectrophotometric determination of diphenyl in distilled C_{17}-C_{20} fatty acids. p.61.
[illegible], V.E., [illegible], S.I. - Industrial method for determining water content of acetylene solvents. p.64.
[illegible], R.F., [illegible], T.P. - Determining the concentration of free chlorine in the reaction mass. p.66.
[illegible], V.N., [illegible], L.I. - Determining calcium and strontium in barium hydroxide. p.68.
[illegible], O.F., [illegible], V.I., [illegible], F.I. - Use of porous glass in filtration. p.71.
[illegible], V.V., [illegible], A.Y., [illegible], N.Kh. - Anticorrosion measures in the shops of coke-oven gas purification by monoethylamine. p.73.
Continuous production line for the extrusion of thermosetting plastics. p.76.
Expansion of the use of plastic pipes in the U.S.A. p.80.
Production of synthetic rubber in capitalist countries. p.81.
Speed up the development of chemical industries. p.84.
Index of articles published in the "Khimichna promyslovist'" journal during 1963. p.88.

KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut kholodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Vol. 41, no. 2, Mar.-Apr. 1964.

Table of contents translated:
Urgent problems in the development of the refrigeration industry. p.1.
Badyl'kes, I., Osetkov, B.L. - New cooling system in the Cold-Storage Warehouse in Ioshkar-Ola. p.5.
Gogolin, A.A. - Direct refrigeration with the use of the refrigerant as cooling medium. p.9.
Gogolin, T.V., Krotkov, V.N. - Refrigeration plant with subcooled liquid ammonia circulation used in a petroleum refinery. p.14.
Bykov, A.V., and others. - Hermetic rotary single-vane compressors. p.17.
IAkobson, V.B. - Analyzing the effect of suction vapor superheating on the performance of the refrigerating machine. p.22.
Kan, K.D., Mak, L.I., Pinaev, I.G. - Testing of a refrigerator compressor operated on Freon-142 and the azeotropic mixture Freon-124 and Freon C318. p.29.
IAkovlev, N.V. - Stand for testing compressors by the vapor cycle. p.34.
Danilova, G.N., Bel'skii, V.K., Kupriianova, A.V. - Study of the boiling process in Freon-12 by means of the cinematographic method. p.36.
Golovkin, N.A., and others. - Meat storage at temperatures near the cryoscopic. p.40.
Mikhailova, L.G. - Cooling of sprats in saline solutions. p.41.
Olenev, IU.A., Fil'chakova, N.N. - Freeze-drying of cooked food. p.44.
Rapoport, E.A., Agan'iants, Z.A. - Small air conditioner for continuous candy production lines. p.48.
Dik, M.G. - Electric power truck. p.50.
Movsikov, D.IA. - Reconstruction of the truck platform in the Moscow Cold Storage Warehouse No.9. p.53.
Khokhlov, I.S. - Connecting the transformer to the domestic refrigerator circuit. p.55.
Chudnovskii, A.R., Zablotskaia, N.S. - Temperature pickups with type TR-1 thermal contactors. p.56.
Tikhomirov, V.A. - Type VAGTI-4 electronic halide leak detector. p.57.
Alekseev, P.A. - Is there a need for forced air circulation in fruit storage rooms? p.59.
Dik, M.G. - Questions and answers. p.60.
Zhikharev, M.V. - Need for technical specifications for the construction and assembly of cold storage warehouses. p.61.
On the occasion of the 60th birthday of V.IA. Kokorev. p.63.
Books to be published during the second half of 1964. p.64.
Regular session of the Scientific-Technical Coordinating Council. p.67.
In the State Committee of the Food Industry Attached to the State Planning Commission of the U.S.S.R. p.68.
New encyclopedia of "Structural Materials." p.69.
Papers presented to the 4th Commission of the 11th Congress of the International Institute of Refrigeration. p.69.
Tikhomirov, V.A. - Methods for detecting leaks in refrigeration systems. p.72.
Khvostova, T.P. - Type ATKA-733 ammonia system refrigerating unit with turbocompressor. p.75.

KOKS I KHIMIIA [COKE AND CHEMISTRY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no.4, 1964.

Table of contents translated:
Kobozev, N.V. - Technological trends in the development of the coke and coal chemicals industry in the period from 1966-1970. p.1.
Razyi', S.D., Zlatin, L.L., Trunov, N.G. - Fortieth anniversary of the Kemerovo Coke and Coal Chemicals Plant. p.5.
Nikolaev, I.S., Kozlova, N.I. - Changes in the thermal characteristics of some coals dependent on the speed of their heating. p.6.
Rubtsov, A.V., and others. - Experience in the operation of ejector flotation machines and intensification of their efficiency. p.9.
Kuznetsov, M.D., and others. - Drying of coal concentrates in unit with directional travel of fluidized bed. p.14.
Tsymerman, A.S., and others. - Arsenic content of solid fuel. p.17.
Shatenshtein, V.G., Rychkov, M.I. - Temperature fluctuations in the heating flues of coke ovens. p.21.
Eidel'man, E.IA., Privodskii, V.V. - Nomograms for determining the amount of heat lost in the products of combustion during coke oven heating. p.24.
Kurgankin, V.P., Nikitin, IU.K. - Effect of air parameters on the heat conditions of coke ovens. p.27.
Krasnikov, A.F. - New types of plants for coking heavy petroleum residues. p.29.
Gabai, L.I., Mustafin, F.A., Berkutov, A.M. - Hydraulic conditions of coke ovens; from the materials of a discussion. p.31.
Mavrina, G.I., Elenskii, F.Z. - State standards for coke and coal chemical products. p.33.
Popov, R.I., and others. - Experience in the production of sulfur-free benzol. p.37.

Butuzov, A.I., Fainzil'berg, S.N. - Use of refrigeration in benzene rectification shops in order to reduce product losses. p.41.
Tumarkin, L.A., Orlov, M.L., Gol'din, I.A. - Quality of the circulating wash oil in coke and coal chemicals plants. p.45.
Ozhiganov, I.N. - Possibility of using dephenolized waters for the stabilization of feedwater in coke and coal chemicals plants. p.50.
All-Union conference of the coke industry chemists. p.54.
Pevzner, S.I. - Scientific and Technological Society of the Iron and Steel Industry as active promoter in the application of the achievements of science and technology in production. p.56.
Ermolova, V., Samorodov, D. - Readers' conference of 1963. p.58.
From pages of factory wall newspapers. p.60.
Turov, IU.IA., Fokina, M.A. - Production and use of the chemical products of coking in the German Federal Republic. p.61.
TSiperovich, M.V., Arashkevich, V.M. - Timely and useful book ("Coal flotation" by V.I.Klassen). p.63.
Khotuntsev, L.L. - Review of the book "New developments in the chemical technology of coal." p.64.

KONSERVNAIA I OVOSHCHESUSHIL'NAIA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol.19, no.4, Apr. 1964.

Table of contents translated:

Production intensification is the general trend in the development of agriculture. p.1.
Check in due time the preparedness of canneries for the processing of the new crops of vegetables and fruit. p.3.
Nizharadze, A.N. - Research work in Georgia in the field of fruit and vegetable preserving. p.6.
Ambroladze, G.Kh. - Storage of juices in tanks without chilling. p.11.
Grishin, M.A., Kossek, V.K. - Vortex drying of groats in the production of food concentrates. p.12.
Dabuta, A.N. - Technology of the drying of garlic. p.15.
Markarian, Z.M., Lisovskii, P.A., Vartumian, A.V. - Gravity loader for tomatoes. p.17.
Usherenko, A.A., Bokova, Z.A. - Lift for hoisting beef carcasses. p.18.
Rabzi, G.S. - Utilization of juice vapors for heating and evaporation. p.19.
Vnukov, A.S., Khudadatov, N.I. - Automatic temperature control of tomato products during their pouring into containers. p.22.
Abel', E.A. - Application of an abrasive layer to the working surfaces of machinery. p.23.
Ochkas, F.P., Lymar', A.O. - Agricultural techniques of the State Farm "Gorodnii Veletan'." p.24.
Usik, G.E. - Experience in the mechanization of tomato cultivation. p.26.
Kochurova, A.I. - Apple storage at temperatures below 0° C. p.28.
Grinberg, N.Kh., Manuilova, T.A. - Accelerated photocolorimetric determination of alcohol in juices. p.31.
Vacuum techniques in modern food industry. p.33.
Sporting of moist products by color with the use of an electronic machine. p.34.
Juice from whole unpeeled oranges. p.35.
Composition and evaluation of carrot juice. p.36.
Samsonova, A.N., Shubich, F.I. - Use of the aromatic substances of fruit. p.36.
IArtseva, A.I. - Annotations of books published from 1962 to 1963. p.38.
Bakhareva, D.P. - Mechanization of the operations for the removal of empty boxes. p.40.
Ovcharova, T.P. - Effect of sorbic acid on canned fruit and berries. p.41.
Information. p.42.
From the pages of newspapers and journals. p.46.

MOSCOW. INSTITUT KHIMICHESKOGO MASHINOSTROENIIA. Trudy [INSTITUTE OF CHEMICAL MACHINERY MANUFACTURE. Transactions]. Vol.25, 1963. Kompleksnaia avtomatizatsiia khimicheskikh proizvodstv [Overall automation of chemical production processes].

Table of contents translated:

Balakirev, V.S., and others. - Solving some problems of automatic control by means of the analogue digital computer. p.3.
TSirlin, A.M. - Cumulative transformation of functions. p.18.
Kung Ping Tz'ung. - Some problems of the automatic control of industrial objects with two mutually related regulated quantities. p.26.
Shteinberg, Sh.E. - Frequency methods for the plotting of transient processes in nonlinear systems of automatic control. p.42.
Vol'ter, B.V. - Natural vibration processes in the polymerization of ethylene in a high-pressure reactor. p.48.
Krivsunov, V.N. - Problems in the mathematical description of transient processes in a plate rectification column. p.52.
Korchinskii, A.V. - Dynamic characteristics and automatic control of apparatus for ammonia synthesis. p.66.
TSirlin, A.M. - Adjustment of regulators in industrial systems taking the nature of excitation into account. p.80.
Kutepov, A.M. - Using the electric conductivity method for the continuous automatic control of salt entrainment in evaporating apparatus. p.92.
Klokov, IU.L., Maslennikov, I.M. - Methodology of the experimental determination of the statistical characteristics of random processes in industrial control systems. p.102.
Lipatov, L.N. - Use of statistical methods for determining the dynamic characteristics of industrial objects. p.113.
TSirlin, A.M. - Approximation of spectral characteristics by means of Chebyshev polynomials. p.128.
Bykov, IU.M. - Determining the root-mean-square error of interpolation in the discrete measurement of random signals. p.138.
Aganin, I.Kh. - Determining the optimum conditions of chemical production processes by means of statistical methods. p.151.
Ozhiganova, I.A. - Indispensable and sufficient condition of the optimum problem for a linear differential equation with delayed argument. p.172.
Balakirev, V.S. - Maximum principle as applied to the optimization of systems of the second order. p.181.
Khu TSi-khen [Hu Ch'i-hêng]. - Application of the maximum principle for the optimization of the control of objects with internal delayed feedback. p.200.
Balakirev, V.S. - Optimization of systems of the second order with delayed argument. p.214.
Maslennikov, I.M. - Determining the coefficient of absorption of the heat radiation of bodies and articles by temporary characteristics. p.231.
Vlasov, V.V., Kulakov, M.V. - Methods for complex continuous determination of the thermophysical coefficients of laminated and monolithic materials. p.237.
Kazakov, A.V. - Automation of the titration process. p.256.
Bykov, IU.M. - System for the processing of the charts of subsonic frequency processes by the method of reverse tracking transformation. p.268.
Solov'ev, N.I. - Method of multichannel magnetic recording of slow processes. p.279.

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Nauchno-tekhnicheskaia informatsiia [ALL-UNION INSTITUTE OF SCIENTIFIC AND TECHNICAL INFORMATION. Scientific and Technical Information]. No.2, 1964.

Table of contents translated:

Mikhailov, A.I. - Twenty-ninth Conference of the International Federation for Documentation. p.3.
V.V. - Results of the survey of the fulfillment of the decree of the Council of Ministers of the U.S.S.R., May 11, 1962, "Measures for improving the organization of scientific and technological information in our country." p.6.
TSepliaeva, Z.S. - The two largest abstract journals of biological chemistry. p.7.
Zujus, J., Kancleris, A. - Main trends in reference and information work of the Lithuanian Institute of Scientific and Technological Information and Promotion. p.9.
Petrosian, V.N. - Work practices of the House of Technology of the Armenian Council of Scientific Technological Societies. p.14.
Fuks, I.N. - Organization of scientific and technological seminars and exhibits based on the results of the research and development work of the Diamond Scientific Research Institute. p.17.
Kasatkin, V.V., Seregina, R.F. - Work practices of the Office of Technical Information of the Rybinsk Machinery Manufacturing Plant. p.19.
Paducheva, E.V. - Some problems in translating from informational-logical language to Russian. p.20.
Monastyrskii, I.M., Pevzner, B.R., Stiazhkin, N.I. - Method of automatic retrieval of literature on the machine-tool industry using descriptors and the principal algorithm for its realization on digital electronic computers. p.28.
Romanov, V.P. - Retrieving the invariant informati symbols by automatic recognition. p.34.
Tabidze, G.S. - Problems in fixing the designation o objects. p.39.
Durgarian, I.S., Ter-Mikaelian, T.M. - Some consi erations on the structure of specialized digital co puters for the translation of languages. p.44.
Antidze, D.G. - Device for the selection of informat related to a given word. p.47.
Survey of present-day copying processes. p.49.
Alekseev, N.F. - Automating information services a the U.S. Defense Documentation Center for Scientific and Technical Information. p.55.
Kibrik, A.E. - Some problems in Euratom's work in the field of scientific information. p.63.
Brief news. p.65.

No.4, 1964.

Table of contents translated:

Podshivalov, IU.E. - Improvement of the structure of management and the information work in economic councils and enterprises. p.3.
All-Union conference of leading workers in science and technology information. p.7.
Fainzinger, S.S. - Work practices of information organs of economic councils and enterprises of the Ukraine. p.8.
TSiganik, M. - Defining an operative retrieval system. p.10.
In the Interdepartmental Committee on Classification. p.17.
Pershin, V.A. - Necessity of improving the organization for the dissemination of advanced practices. p.18.
Isaev, V.A. - Practices of the Nova Plant in organizing exhibitions on particular subjects. p.19.
Chernyi, A.I., Matsak, N.M., Kuznetsova, E.K. - Preparing a permutation index with the aid of a punched-card computer. p.20.
Vleduts, G.E., Stokolova, N.A. - Compiling and using a keyword-in-context index. p.30.
Babaeva, A.P., Seifer, A.L. - Automatic reference tool on the properties and use of steel and alloys on a non-iron base. p.36.
Arapov, M.V. - Some principles for compiling a "thesaurus" type of dictionary. p.41.
Varga, D. - Problems of morphological analysis in machine translation. p.47.
Afremov, V.IU. - Japanese center for information on science and technology. p.51.
Galustian, R.G. - Foreign information on electroerosion and electrolytic methods of machining. p.55.
Brief news. p.59.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO PERERABOTKE NEFTI I GAZA I POLUCHENIIU ISKUSSTVENNOGO ZHIDKOGO TOPLIVA Trudy [ALL-UNION INSTITUTE OF SCIENTIFIC RESEARCH ON PETROLEUM AND GAS REFINING AND PRODUCTION OF ARTIFICIAL LIQUID FUEL. Transactions]. Moscow, no.9, 1963. Neftekhimiia; poluchenie syr'ia i razrabotka protsessov dlia neftekhimicheskoi promyshlennosti [Petroleum chemistry; obtaining products and developing processes for the petrochemical industry].

Table of contents translated:

Introduction. p.3.
Botnikov, IA.A., Kaminer, B.B., Fomenko, L.A. - Obtaining products for the petrochemical industry by the thermal contact cracking of oil residues in a fluidized bed; high-temperature thermal contact cracking. p.5.
Gerasicheva, Z.V., Botnikov, IA.A. - Thermal cracking of paraffin to obtain products for the production of detergents. p.15.
Gerasicheva, Z.V., Botnikov, IA.A., Osipova, E.V. - Obtaining products for oxo synthesis by the thermal cracking of paraffin. p.22.
Agafonov, A.V., Abaeva, B.T., Okinshevich, N.A. - Catalytic cracking products for petrochemical syntheses. p.27.
Sidliaronok, F.G., and others. - Using the extracts of phenol purification as plasticizer fillers for synthetic rubbers. p.52.
Martynova, N.V., and others. - Developing an industrial method for the production of polyisobutylene as a viscous additive to petroleum oils. p.68.
Kheifets, E.M., and others. - Obtaining detergents (secondary alkyl sulfates) from olefins. p.81.
Doladugin, A.I., and others. - Synthesizing sodium alkylbenzene sulfonate (NP-3 sulfonol) on a base of olefins obtained in the thermal cracking of paraffin. p.95.
Potolovskii, L.A., Doladugin, A.I., Blagovidov, I.F. - Synthesizing sodium alkylbenzene sulfonate (sulfonol NP-1) on a base of propylene polymers. p.110.
Potolovskii, L.A., Kostikin, L.I. - Synthesis of sodium isodecyl toluene sulfonate on a base of amylene dimers. p.170.

Vainshtein, V.P., and others. - New way to synthesize oxygen compounds from carbon monoxide and hydrogen over iron-copper catalysts. p.177.
Rapoport, V.M., and others. - Separating oxygen-containing compounds from their mixtures with hydrocarbons. p.197.
[illegible], M.E., Rapoport, I.B. - Oxygen-containing compounds obtained in synthesis over an iron-copper catalyst. p.211.
[illegible], O.IA., and others. - Polymerization of propylene in order to obtain a trimer fraction (nonylenes as a basic product). p.220.
Ivanov, E.K., Polotovskii, L.A., Balandin, A.L. - Continuous alkylation of benzene with olefins obtained in the thermal cracking of paraffin. p.241.
Korzhev, V.I., [illegible], B.IA., Ivanov, G.D. - Obtaining ethyl and isopropyl alcohols by hydration. p.255.
Zinov'eva, A.P., [illegible], D.I. - [illegible] of [illegible] process over [illegible] catalysts. p.269.

NEFTEKHIMIIA [PETROCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.4, no.1, Jan.-Feb., 1964.

Table of contents translated

Petroleum chemistry and the introduction of chemical processes into the national economy. p.3.
[illegible], E.D., [illegible], [illegible] - Catalytic synthesis of [illegible] 1,3 and methylene [illegible]. p.6.
[illegible], A.A., [illegible] - Catalytic demethylation of methylnaphthalenes. p.11.
[illegible], E.N. - Catalytic conversion of cyclohexane in the presence of a nickel catalyst. p.16.
Rabin, [illegible], Margolina, [illegible], [illegible] - [illegible]. p.21.
Rabin, [illegible], Margolina, [illegible] - Effect of temperature on the alkylation of benzene with propylene in the presence of $AlCl_3 \cdot H_3PO_4$. p.28.
[illegible], G.M., [illegible], [illegible] - Kinetics of the dehydrogenation of paraffin hydrocarbons over oxide catalysts. p.30.
Freidlin, L.Kh., [illegible] - Investigation of the kinetics of the dehydration of 2-methylpentanol-2 in the presence of an acid catalyst. p.37.
[illegible] - Investigating the polymerization of ethylene in the presence of a $TiCl_4 - H_2$ [illegible] $Al(i\text{-}C_4H_9)_3$ [illegible] catalytic system. p.43.
Landau, M.A. - Kinetic equation for the polymerization of ethylene [illegible] catalysts. p.[illegible]
[illegible] - Promoting effect of chromium [illegible] on a cobalt catalyst in the synthesis of higher hydrocarbons from CO and H under atmospheric pressure. p.51.
[illegible] - Radiation [illegible] of ethylene [illegible]. p.58.
[illegible] - Kinetics and the mechanism of radiation polymerization [illegible]. p.67.
[illegible] - Reactivity of [illegible] on the oxidation of hydrocarbons. p.82.
[illegible] - Initiation of [illegible] in the liquid phase oxidation of methyl ethyl ketone and ethyl alcohol. p.91.
[illegible], and others. - By-products of the liquid phase oxidation of [illegible] paraffins with molecular oxygen in the presence of boric acid. p.98.
[illegible], L.A., [illegible] - Synthesis of certain derivatives of the polar radical of R^X [illegible] carboxylic acid. p.109.
Kagan, Iu.B., and others. - Synthesis of secondary alkylamines from carbon monoxide, hydrogen, and [illegible]. p.[illegible]
[illegible], A.M., [illegible] - Isomerization of bromopropanes. p.113.
Vigdergauz, M.S., Afanas'ev, M.I. - Gas chromatography on sectional columns. p.119.
Panchenkov, G.M., and others. - Determining the group composition of hydrocarbon mixtures by liquid chromatography with [illegible] temperature. p.123.
[illegible], V.M. - Determining the [illegible] in [illegible] by multistage chromatography. p.135.
Nametkin, N.S., and others. - Gas-liquid chromatography of certain silicon hydrocarbons and paraffins. p.137.
[illegible], [illegible], Murzaeva, G.B., Petrov, Al.A. - [illegible] as a stationary phase in the gas-liquid chromatography of hydrocarbons. p.142.
[illegible], A.T. - Capillary chromatography of technical [illegible]. p.151.
[illegible], V.G., [illegible], A.E., [illegible], L.S. - Gas chromatographic determination of water traces in hydrocarbons. p.156.
Ioffe, B.V., Batalin, O.E. - Determining the group composition of the dearomatized part of straight-run gasolines. p.160.
Vinogradov, G.V., Nametkin, N.S., Nosov, M.I. - Mutual reinforcement of the lubricating action of polysiloxanes and hydrocarbons. p.170.
[illegible], Iu.B. - Sixth International Petroleum Congress. p.176.

*PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no.1, 1964.

Table of contents translated:

[illegible], M.I. - Decision of historical importance. p.1
Lipatova, T.E. - Catalytic polymerization of unsaturated polyesters. Cationic polymerization of polyester acrylates. p.3.
Borisova, O.P., Perepelkin, K.E. - Thermal stability of polyvinyl alcohol. p.7.
[illegible], V.R., [illegible], A.G., Akutin, M.S. - Thermosetting resins based on divinyl polymers. p.11
Vlasova, K.N., and others - Finely dispersed polyamides and antifriction coatings made from same. p.14
Akutin, M.S., [illegible], L.L., Pokhovitskaia, A.N. - Properties of epoxy resins based on some aromatic amines. p.17
Petrov, K.A., and others. - Phosphorus-containing polymers based on polyamidophosphinites and phosphites. p.20
[illegible], L.I., Kolganova, V.A. - Effect of polyaluminoorganosiloxanes on the physical properties of polydimethylpolyphenylsiloxanes. p.24.
[illegible], R.I., [illegible], I.F. - Effect of the injection pressure and speed on the properties of goods made from polypropylene. p.27.
[illegible], S.V., [illegible], D.V., [illegible], F.B. - Heat pulsation welding of polymer films. p.31.
Kaplan, IA.B., [illegible], A.N. - Design and construction of the inlet area of the extruder. p.33
[illegible], V.A., [illegible], L.A., Krasil'nikova, N.I. - Effect of the thermomechanical treatment of glass fibers on the temporary dependence of the strength of polyester glass plastics under air and sea water conditions. p.42.
Nikolaev, A.F., and others - Glass plastics for building purposes. p.47
[illegible], I.N., [illegible], P.V., [illegible], B.P. - Investigating the viscosity of the melts of plasticized compositions of polyvinyl chloride. p.50.
[illegible], A.M., and others - Investigating the internal stresses in [illegible] plastic. p.52.
[illegible], V.N., Kan, K.N. - Investigating the static strength of rigid plastics in a plane state of stress. p.57
[illegible], O.P., [illegible], Iu.P., Pichugin, N.P. - Increasing the heat capacity and heat conductivity of plastics in the thermal [illegible] process. p.62
[illegible], A.P., [illegible], L.V., [illegible], V.V. - Methods for determining silicon in organosilicon compounds and their comparative evaluation (determining silicon in alkyl- and aryl-substituted monomers and polymer organosilicon compounds). p.63
[illegible], V.D., and others - Experience in the automation of the testing of plastics for heat resistance. p.68
[illegible], V.F., [illegible], M.A. - Shallow plastic [illegible]. p.[illegible]
[illegible], A.V., and others. - Joining of polyethylene terephthalate films. p.72
New conveying and handling devices. p.74.
New standards for plastics. p.75
Akutin, M.S. - Review of A.M. Paken's book "Epoxy compounds and epoxy resins." p.77
New literature on polymeric materials. p.78

REFERATIVNYI ZHURNAL. KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS. CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no.6, June 1964.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol.38, no.4, Apr. 1964.

Table of contents translated:

[illegible], S. - Greater attention should be given to the work of young people. p.1.
Serdiuk, V.A., Kostyrko, A.P., Rybalkin, M.I. - Introduce a uniform system for planned preventive maintenance and repair in the sugar industry. p.4.
Stepanova, M.K. - Work of the Scientific and Technological Society of the Cherkassy Sugar Refinery. p.8.
Akindinov, I.N. - Effect of the amount of crystals on the degree of exhaustion of the intracrystal molasses of the massecuite of the last product. p.10.
Kharin, S.E., Kolchova, R.A. - Reaction of the decomposition of monosaccharides in an acid medium. p.13.
Dorinovich, A.A., Sofroniuk, L.P. - Modernization of the equipment of elevated sugar beet storage bins. p.15.
Shakhnovich, B.M. - Mechanical devices for catching the impurities from flume water. p.17.
Lyabkov, V.P., Rudenok, A.G. - Complete automation of defecation-saturation operations. p.20.
Some observations concerning the automation of sugar manufacture (made by the "Sakhavtomat" Factory). p.24.
Novikov, V.A., Kichigin, N.M., IAtsenko, V.S. - Cleaning of sugar beets on the loading and unloading machinery. p.26.
Rybalkin, M.I. - Need for the organization of sections of the Control - Measurement Station and automation in sugar factories. p.32.
Bulgakov, B.I. - Save the electric power in sugar factories. p.34.
Ivanov, P.IA., Slakun, A.V. - Application of mathematical methods and electronic calculating machines in sugar industry planning. p.37.
Khelemskii, M.Z., Pordiuk, S.T. - Physical condition of the environment in sugar beet storage in piles. p.43.
Ivanov, V.V., Poliakov, IU.M. - Storage and processing of sugar beets grown according to the new technology. p.47.
Sofroniuk, L.P. - Cleaning of filter presses. p.53.
Tsukerman, I.G., Ber, P.M. - Urgent problems of the development of the starch and molasses industry. p.54.
Gusev, L.A. - Productive capacity of the sugar industry of the "Common Market" countries. p.56.
Tondarev, N.I., Kuz'min, IU.N. - Centrifugation of the third product massecuite on high-speed centrifuges. p.59.
Change of the order of bagasse distribution to the collective farms. p.61.
Ways to increase sugar beet production in the area of the [illegible] Factory. p.61.
More attention should be paid to the procurement and storage of sugar beets harvested by the continuous method. p.62.
For an efficient utilization of steam. p.63.
Sugar beet crumbling during the unloading. p.65.
[illegible], O.N. - Equipment for the industrial laboratories. p.66.
[illegible], G.S. - New handbook for sugar manufacturers. p.69.
[illegible], K.I., Pevzner, G.M. - "Fundamentals for the design and calculation of the parts and subassemblies of food machinery" by V.I. Sokolov. p.71.
Popov, P.K. - In the Committee on the Economics and Organization of Production. p.74.
Brief information. p.74.

4. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut antiseismicheskogo stroitel'stva. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Institute of Earthquake-Resistant Construction. Transactions]. Ashkhabad, vol.4, 1958.

Table of contents translated:

Nikolaev, K.I. - Problems in estimating massive structures for the action of seismic forces. p.3.
[illegible], G.B., Kaplaynova, A.S. - Contribution to the problem of the bonding of high-strength reinforcement with concrete made from local materials in Turkmenia. p.45.
Tarasova, E.M., Gorbenko, N.P. - Selection of the composition of mortars using local nonstandard fillers for the cities of the provinces of Turkmenistan. p.55.
Tarasova, E.M., Karbabaeva, E.A. - Selection of the composition of concretes made of Turkmen materials in which fine sands are used. p.60.
Tarasova, E.M., Gorbenko, N.P., Karbabaeva, E.A. - Saving portland cement in mortars and concretes made of nonstandard Turkmen fillers using active finely-milled additives. p.73.
Tarasova, E.M., Gorbenko, N.P. - Behavior of masonry mortars with active finely-milled additives and of masonry in the dry and hot climate of Turkmenistan. p.79.
Tarasova, E.M., Murav'eva, N.IA., Tarnishevskaia, T.M. - Corrosion of concrete made of Bezmein portland cement and of local Turkmen fillers in sulfate and magnesian aggressive media. p.90.

Tarasova, E.M. - Selecting the quality of mortar for plastering of saline masonry. p.108.

Tarasova, E.M. - Determining by chemical analysis the suitability of clays and loams of Tataria for the manufacture of air-resistant brick. p.112.

GIDROTEKHNICHESKOE STROITEL'STVO [HYDROTECHNICAL CONSTRUCTION]. Organ of Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii SSSR [State Production Committee for Power Engineering and Electrification in the U.S.S.R.]. Moscow, vol.34, no.4, Apr. 1964.

Table of contents translated:

Eighth Congress of the International Commission on Large Dams. p.1.

Dam construction in the U.S.S.R. p.3.

Pretro, G.A. - Dam of the Sayan-Shushenskoye Hydroelectric Power Station on the Yenisey River. p.10.

Agalakov, S.S. - Dam of the Krasnoyarsk Hydroelectric Power Station. p.15.

Gindin, A.M. - Concreting operations during the construction of the Bratsk Hydroelectric Power Station. p.27.

Erakhmin, B.M. - Carrying out the work on the building site of the Chirkey Hydroelectric Power Station. p.36.

Dotsenko, T.P. - Study of precast reinforced concrete elements. p.43.

Blinkov, V.V. - Field studies of hydraulic structures of large hydraulic structural complexes. p.50.

Evdokimov, P.D. - Study of strength, shear resistance, and deformability of the rock foundations of high concrete dams in the U.S.S.R. p.59.

Ter-Mikaelian, K.L. - Experimental studies of the rock foundation of the arch dam of the Tatev Hydroelectric Power Station. p.69.

MONTAZHNYE I SPETSIAL'NYE RABOTY V STROITEL'STVE [ASSEMBLY AND SPECIALIZED OPERATIONS IN CONSTRUCTION]. Organ of Gosudarstvennyi proizvodstvennyi komitet po montazhnym i spetsial'nym stroitel'nym rabotam SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Production Committee for Assembly and Specialized Operations in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol.26, no.5, May 1964.

Table of contents translated:

Promoting and introducing advanced practices are important means of increasing labor productivity. p.1.

Strizhak, I.A., Samsonov, N.A., Surganov, A.IA. - Erecting convertor gas coolers. p.3.

Shtatnov, V.I. - Lifting a device weighing 74 tons in a working plant. p.6.

Rybkin, G.F. - Exemplary erection of a traveling cable crane. p.7.

Rabinovich, S.IU., Tarushkin, P.A. - Production capacity of assembling mechanisms. p.9.

Makarov, E.V. - Using glass-reinforced plastic for protecting carbon steel pipes from exterior corrosion. p.11.

Kashtelian, V.G. - Construction of a hot-blast furnace. p.13.

Kotov, K.K., TSeperskii, I.M. - Flameless combustion furnaces of heat-resistant reinforced concrete. p.14.

Klimov, V.T. - Vibrated sinking of reinforced concrete piles. p.16.

Lavrov, G.E. - Equipment used in horizontal boring for trenchless laying of pipes and casings. p.18.

Turkel'taub, G.M. - Technology of manufacturing tubular powder wire. p.21.

Postovalov, M.P. - Automatic pipe cutter. p.24.

Berezniuk, L.A. - Erecting a television mast. p.25.

Zhestkov, A.A. - Use of plastics in the construction of tunnels. p.27.

Khanapetov, M.V. - Equipment for welding in carbon dioxide. p.28.

In the State Committee for Assembly and Specialized Operations in the U.S.S.R. p.30.

Khokhlov, B.A. - In the Council of Technology and Economics of the State Committee for Assembly and Specialized Operations in the U.S.S.R. p.30.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VODOSNABZHENIIA, KANALIZATSII, GIDROTEKHNICHESKIKH SOORUZHENII I INZHENERNOI GIDROGEOLOGII. Laboratoriia gidrotekhnicheskikh sooruzhenii. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF WATER SUPPLY, SEWERAGE, HYDRAULIC STRUCTURES AND ENGINEERING HYDROGEOLOGY. Laboratory of Hydraulic Structures. Transactions]. No.4, 1963. Voprosy proektirovaniia vodopodpornykh sooruzhenii [Problems in designing water conducting installations].

Table of contents translated:

Foreword. p.3.

Nichiporovich, A.A., TSybul'nik, T.I. - Determining pore pressure in slightly permeable soils in the body of a dam during the process of their consolidation. p.5.

Dzhitenov, A.K. - Method of conducting compression tests of previously compacted samples of clay soils. p.38.

Zhurek, IA. - Compression properties of gravelly soils and problems of the deformability of rock fill under great stress. p.41.

Meister, V.A., Zhurek, IA. - Fixing the height of the dumping of rock for the arrangement of rock fill. p.55.

Lushnov, N.P. - Employing the theory of similitude and scale in the analysis of the results of testing samples of rock on A.M. Viktorov's device. p.59.

Rasskazov, L.N. - Resistance of rock fill to displacement. p.65.

Svateev, IU.I., Bychkov, V.S. - Some problems of field studies of high rock-fill dams. p.77.

Titova, V.I. - Determining vertical movements of an elastic foundation of finite thickness and ascertaining the contact pressure at the base of a rigid installation. p.89.

Khrustalev, N.IA. - Study of the effect of vibrated loads on the resistance to displacement of water works constructed on sandy soil. p.124.

Kuznetsov, G.I. - Experimental studies of filtration at the contact of soil with concrete. p.153.

Burenkova, V.V. - Analysis of the filtration cycle at the base of the structure of a hydroelectric power station and concrete dam. p.164.

Verigin, N.N. - Evaluating subsurface water discharge of rivers. p.177.

Shaitan, V.S. - Using single-layer elements under the covering of earth slopes. p.197.

Shaitan, V.S. - Study of the condition of multilayer elements under the protective covering of slopes. p.208.

NOVAIA TEKHNIKA ZHILISHCHNO-KOMMUNAL'NOGO KHOZIAISTVA: BLAGOUSTROISTVO GORODOV [NEW TECHNOLOGY FOR HOUSING AND COMMUNAL SERVICES: MUNICIPAL SERVICES]. Issued by Tekhnicheskoe upravlenie Ministerstva kommunal'nogo khoziaistva RSFSR [Technical Department of the Ministry of Communal Economy of the R.S.F.S.R.]. Moscow, no.2, 1962. Blagoustroistvo gorodov [Improvement of public services in cities].

Table of contents translated:

Introduction. p.3.

Baberkin, N.A. - Operating the container system of refuse removal in Sverdlovsk. p.4.

Gusev, L.M. - Controlling slipperiness on city streets in foreign countries. p.8.

Karaban, G.L. - Designing snow removal moldboards for sidewalk cleaning machines. p.21.

Baturin, T.F. - Mechanizing the cleaning of pits in city storm-sewer systems. p.27.

Denisov, V.N. - Cleaning snow and ice from roads by the heating method. p.35.

Orekhov, O.I. - Analysis of the designs of present-day snow cleaners of the ejective type. p.40.

Mnukhin, L.S. - New road maintenance equipment in the German Democratic Republic. p.50.

Murashov, M.V., Denisov, V.N. - The placing of irrigation equipment. p.54.

Abramov, G.A., Losev, V.A. - Automated rotary laundering equipment. p.60.

Lev, A.P. - Laundering equipment in the German Federal Republic. p.70.

Nikitin, B.P. - New system of marking and sorting linen in laundries. p.77.

Gutov, N.G., Pishchik, A.F. - Ironing men's shirts at the No.6 laundry plant in Moscow. p.84.

Lebedev, P.A. - Determining the load capacity of the cylinders of laundry machinery. p.89.

Tychkov, I.N. - Using contact gas water heaters in communal housing projects. p.100.

Osin, V.A. - Effect of sound absorbing and soundproofing by means of landscaping on the reduction of city noises. p.115.

Bibliographic information on technical literature. p.124.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol.41, no.1, Jan., 1964.

Table of contents translated:

Complete construction projects for the chemical industry in record time. p.2.

Vatman, IA.P., Landau, L.G., Smagin, A.V. - Designing single-story industrial buildings on the basis of the work drawings for unified standard elements. p.4.

Machabeli, Sh.L., Soshnikov, M.N. - Some problems in assembling elements for the roof of single-story industrial buildings with a 12m span. p.12.

Baldin, V.A., and others. - Steels of increased an high strength for structural elements. p.17.

Motulevich, A.P. - Illumination of industrial build through light-directing glass. p.21.

Belotserkovskii, I.IA., Shaikovich, V.D. - Effect o dynamic action on structural elements of scrap metal plants. p.24.

Mel'nikov, N.P. - Design details for the main buil of a superpowered open-hearth plant. p.27.

Pukhal'skii, G.V., Savin, M.I., Pinaev, I.F. - Sing layer wall panels made from local materials i Dnieper Valley. p.30.

Zhodzishskii, I.L., Verkhovskii, V.S. - Temperat deformations of heated panels for coverings of i dustrial buildings. p.33.

Reznikov, D.I., Massal'skii, E.A. - Building preca concrete reservoirs. p.38.

Ermak, D.S. - Outdoor distribution of equipment o mines. p.40.

Povaliaev, M.I. - New regulations for the designing roofs covered with roll materials. p.42.

Kostiukov, V.I., IAkubman, B.Kh. - Reconstruction furnaces in iron-alloy plants. p.46.

Nefed'ev, V.P. - Ventilating chambers of precast reinforced concrete. p.47.

Mil'ner, E.D. - Precast and monolithic foundations for soaking pits. pp.48, 3 of cover.

PUT' I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE]. Organ of Minis stvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol.8, no.5, May, 1964.

Table of contents translated:

Raise higher the banner of communist labor competition. p.1.

Maksimenko, I.I. - New detachment of outstanding workers. p.3.

Kotov, S.I. - Establishing uniform traffic speed rates on runs and in stations. p.5.

Babai, V.F., Cherkasskii, M.M. - Introducing polyethylene insulating materials. p.6.

Liders, G.V. - Automation at the service of railroaders. p.8.

Maliavin, A.I. - Combining several professions. p.10.

Vasiukino, A.I. - Potentials for the reduction of labor expenditures. p.11.

Kombarov, V.M. - Bureau for economic analysis. p.13.

Artamonov, V.S. - Polymeric materials for bridge p.15.

Znamenskii, P.I., Smykov, E.K., Filippov, B.M. - Maintenance and repair of switches laid on reinforced concrete slabs. p.18.

Vakulenko, V.D. - Improving the technology for cutting out ballast sections in track overhauling. p.20.

IUshko, T.A., Zhilin, K.P. - The sprayer train era cates grass. p.20.

Fomin, S.F. - Inspectors' activity in a section. p.22.

Medvedev, V.A. - We have mechanized the laying of sand beds. p.23.

Tezikov, S.D. - We shall dress up roadsides and stations with green attire. p.24.

Vol'kovich, IU.N. - Work and live the communist way! p.26.

Kuprienko, I.V. - We eliminate in due time bridge deformations. p.27.

Chaikovskii, V.G. - Powerful cranes for bridge mai tenance and repair. p.28.

Pershin, S.P. - Method for laying shortened rail lengths. p.29.

Mel'nikov, B.V., Baranova, L.A. - Dearest to our heart is the human being. p.31.

Bondarenkov, B.N. - Receiving bunker. p.32.

Kvashnin, I.N. - Improved tool. p.34.

Improving the use of flaw detectors. p.35.

Standard for ties made from reinforced concrete. p.36.

Buksh, G.A. - Manuals for brigade foremen should be free of errors. p.38.

Tikhomirov, V.I. - Need for a good textbook. p.39.

Klevantsev, P.I. - Eliminate the shortcomings in the repair of buildings. p.40.

Zaporozhets, I.G. - Need for defectoscope operators. p.40.

Malornikov, A.M. - Design efficient production lines. p.40.

Savel'ev, M.A. - New switches should be equipped with detector bars at their delivery. p.41.

Kulish, P.A. - Switch lantern posts have to be hollow. p.41.

Kravchuk, I.S. - Improve the maintenance of snow removal equipment. p.41.

Demichev, A.D. - Tie maintenance and repair shops could do better work. p.41

Dits, I.N. - Use of reinforced concrete slabs for the paving of crossings. p.42.

Chumichev, N.M. - Use of fiber bushings and inserts instead of the metallic ones. p.42.

Stoliarenko, V.S. - For the mechanization of loading and unloading operations. p.42.

Budnev, V.A. - There was a lull in the joint gap, story. p.41.
Answering questions. p.44.
Foreign technology, organization of track reconstruction. p.45.
Some characteristics of the track systems on the railroads of France and of the German Federal Republic. p.47.

REFERATIVNYI ZHURNAL. AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS. HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964

REFERATIVNYI ZHURNAL. STROITEL'STVO I ARKHITEKTURA [JOURNAL OF ABSTRACTS. CONSTRUCTION AND ARCHITECTURE]. Issued by Akademiia stroitel'stva i arkhitektury SSSR [Academy of Construction and Architecture of the U.S.S.R.]. Moscow, vol.0, no.1(13), 1964.

SANITARNAIA OKHRANA VODOEMOV OT ZAGRIAZNENIIA PROMYSHLENNYMI STOCHNYMI VODAMI [SANITARY PROTECTION OF WATERS FROM POLLUTION BY INDUSTRIAL WASTES]. Moscow, no.5, 1962.

Table of contents translated:
Foreword. p.3
Elnshpar, S.V. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.7
Klimkina, N.V. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.29
Mukhitdinov, M.I. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.44
Zolotnitskii, [illegible] - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.62
Savelova, V.A., and [illegible] - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.79
Kosterina, IA.I., and others - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.93
Akulov, K.I. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.107
Rubleva, M.N. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.123
Nabatova, [illegible], and others - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.142
Motaeva, [illegible] - Experimental basis for the permissible concentrations of [illegible] in bodies of water. p.158
Krasovskii, G.N., [illegible] - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.173
[illegible] - Experimental basis for the permissible concentrations of [illegible] in bodies of water. p.187
[illegible] - Experimental basis for the permissible concentrations of [illegible] in bodies of water. p.201
[illegible] - Experimental basis for the permissible concentrations of [illegible] in bodies of water. p.219
[illegible] - Experimental basis for the permissible concentrations of [illegible] in bodies of water. p.233
Fridland, S.A., Krasovskii, G.N. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.247
Krasovskii, G.N., Fridland, S.A. - Experimental basis for the permissible concentration of the [illegible] fraction of [illegible] in bodies of water. p.260
Tugarinova, V.N., and others. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.280
Mikhlashevskii, V.E., and others. - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.299
[illegible] - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.324
[illegible] - Experimental basis for the permissible concentration of [illegible] in bodies of water. p.341
[illegible] - Experimental basis for standardizing the concentration of [illegible] in bodies of water. p.348
Gal', [illegible] - Experimental basis for the permissible concentrations of medium- and high-molecular $C_5 - C_{20}$ fatty acids. p.358.
Lappo, V.G. - Setting up hygienic standards for the sanitary protection of bodies of water against a combined action of small doses of cyanides and mercury. p.361.
Lashyn, F.V. - New materials for setting up a basis for the permissible concentration of hexavalent chromium in bodies of water. p.366.
Mikhlashevskii, V.E., Tugarinova, V.N. - Statistical treatment of materials for studying the conditioned reflex activity of animals in toxicological experiments. p.370.
Krasovskii, G.N. - Method of statistical treatment of the toxicological data in setting up hygienic standards of harmful substances in bodies of water. p.384
Cherkinskii, S.N., Tugarinova, V.N. - Method of conditioned reflexes as a test in sanitary-toxicological investigations. p.399.
Cherkinskii, S.N. - Principles of setting up standards for the protection of bodies of water from pollution by industrial wastes. p.410.

SBORNIK PO OBMENU OPYTOM V TSEMENTNOI PROMYSHLENNOSTI [PAPERS FOR EXCHANGE OF EXPERIENCE IN THE CEMENT INDUSTRY]. Issued by Tsentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture [Central Institute of Scientific Information on Construction and Architecture]. Moscow, no.1, 1960.

Table of contents translated:
Gogin, V.I., Kreimer, M.D. - Introduction of slurry concentrators into the cement industry. p.3.
Mel'nikov, D.A. - New method of feeding rotary kilns with slurry. p.10.
Paltseva, D.P. - Using dust collected by electrostatic filters from rotary kiln flue gases. p.16.
Gogin, V.I., Kreimer, M.D. - Testing of a grinding installation at the Vorovskii Cement Plant in Leningrad. p.21.
[illegible], V.S. - Adjusting equipment at the Sterlitamak Portland Cement Combine. p.31.
[illegible], I.P. - Results in adjusting and straightening crane tracks in cement plants. p.36.
Leifman, G.E. - Installation of single-channel gas burners of rotary kilns. p.44.
[illegible], G.V. - Rotary excavator in a mill of [illegible]. p.48.
[illegible], D.I., Sil'vanskii, A.V. - Installation for holding and moving bridge grab cranes in storehouses. p.52.
[illegible] - Apron conveyor, a feeder with a belt of 1,200m for conveying raw materials. p.57.
[illegible], A.S., Paltseva, D.P., Perskin, N.V. - Evaporators for wet fuel oil. p.59.
[illegible], V.M. - Modified system of tightening rails in crane tracks. p.60.
[illegible], N.P. - Increasing the capacity of UZTM Ø2,2 X 13m cement mills. p.61.
[illegible], U.M. - Pipeline locks for pneumatic conveying. p.64.
[illegible], I.N., [illegible], IU.I. - Some studies of the blocking process of clinkers in shaft furnaces operating on natural gas. p.72.

[MICROFILM]

No.2, 1960.

Table of contents translated:
[illegible], IU., Kreimer, M.D. - Modernization of Ø2,6x13m and 3,4x14m operating cement mills converted to work on a closed circuit. p.3.
[illegible], G. - Mechanization of quarries and measures of continuous operation for the automation of loading units. p.12.
[illegible], I.R. - High-duty rotary kilns of domestic production. p.17.
Vasil'ev, N.V., Malyshev, P. - Automatic butt welding under flux of rotary kiln shells. p.22.
[illegible], IU. - Concerning the problem of reconstructing the 150 meter rotary kilns. p.27.
Lokak, Z. - Mechanism for preparing standard solutions. p.29.
Prosvirkova, N.A., Kol'man, E.M. - Sprinkling slurry on Ø3,6/3,3/3, 2X 66, 0m kilns No.3 at the Volkovysk cement plant. p.42.
[illegible], D.IA. - Intensive cooling of cement clinker in a fluidized bed and a suggestion for a new type cooler. p.48.
Lokak, Z.L. - Power-driven PPF-T coal dust sprayer put out by the Cement Bureau for 3,6 X 60, 3m rotary kilns No.1 and No.2 at the Chernorechenskii cement plant. p.63.
[illegible], I.M., Zargorodnii, N.S., Ros', N.A. - Results of the Amvrosiyevka Cement Combine in extracting water-retaining raw materials. p.67.
[illegible], N.N., [illegible], A.P. - Experience in mastering the production of quick hardening portland cement and slag portland cement at the Magnitogorsk Cement Plant. p.73.
Rudin, I.K., Zentsel'skaia, E.A., Kniazeva, A.V. - Overall mechanization of the processes of testing cement and rapid method of chemical analyses in the laboratories of the Amvrosiyevka Cement Combine. p.87.

[MICROFILM]

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.10, no.2, Feb. 1964.

Table of contents translated:
Bogoslavskii, A.I. - Main trends in the development of the building materials industry during 1964 and 1965. p.1.
Mikhailov, M.N., Tatski, L.N. - Synthetic and facade paints and their use. p.6.
Ivianskii, G.B., Gareev, A.T., Rykova, N.N. - Adhesive characteristics of mastic sealers. p.7.
Gorshkovich, B.M., Mikhailov, F.I. - Device for determining the abrasion of materials. p.9.
Kamenetskii, S.P. - Valuable advantages of perlite heat insulation products. p.10.
Kitaev, E.N. - Manufacturing sheet asbestos cement products from various makes of portland cement. p.13.
Butt, IU.M., and others. - Lime concrete with a filler of shell limestone. p.15.
Popov, N.A., Pokoliak, F.S. - Using expanded vermiculite in the manufacture of large panels. p.18.
Zhurenkova, N.P. - Advantage of wet preparation of material in the manufacture of keramzit. p.20.
Bindler, I.A. - Selecting a spray burner of liquid fuel for burning keramzit. p.21.
Airapetov, D.P., Silvanova, G.V. - Increase the production of particle-fiber soundproofing products. p.23.
Vol'novskii, V.N., Spirin, IU.L., Mishko, A.V. - Economical method of inserting binder in mineral wool. p.24.
Golenin, E.M., and others. - Wall panels of keramzit foam concrete. p.25.
Ol'khovskii, I.A., Pshenichnyi, V.T., Bartakov, IU.A. - Local additives in the manufacture of bricks. p.26.
Bernel, I.I. - Vacuum dehydration of asbestos cement. p.27.
Berezovskii, V.I., Kantor, B.I., Matusevich, M.A. - Characteristics of building products made of phosphoanhydrite cement. p.30.
Facing ceramics are on the agenda. p.32.
Seminar on silicography. p.33.
Prizes of the Exhibition of Achievements of the National Economy of the U.S.S.R. for the technology, production, and use of large cementless concrete elements of autoclave hardening. p.34.
Naidich, I.M., Morgulis, M.L., Gavrilov, B.A. - Present-day highly efficient crushing equipment. p.35.
Mironov, S.A., Krylov, B.A. - Use of gas concrete in Sweden. p.38.
Mamenov, S., Vachev, D., Kharlamova, L. - Bituminous shale as a raw material for cellular concrete. pp.39, 3 of cover.

Vol.10, no.3, Mar. 1964.

Table of contents translated:
Intensification of agriculture is everybody's concern. p.1.
Zaitsev, A.G. - Accelerated growth of the industry producing polymer building materials. p.2.
Survey of the execution of the plan for the building materials industry. p.3.
Aristov, F.M., Shternman, IA.S. - Output of linoleum has increased 50%. p.6.
Zaretskii, IA.S., and others. - New thiokol sealers for the construction industry. p.8.
Rogov, V.M., and others. - Synthetic coatings for finishing buildings. p.9.
The Russian book is 400 years old. p.10.
Khalin, N.D., Shneiderov, A.M. - Valuable undertaking of the Institute for the Designing of Hydraulic Machinery. p.12.
Chernoudov, S.A. - Converting a brick factory to the manufacturing of acidproof articles. p.14.
Dain, A.I. - It is important to assure the maximum effectiveness of capital investments. p.16.
Dolinskii, IU.I. - Crushed colored glass finish of keramzit-concrete wall panels. p.18.
Lomunov, K.F., Mochalov, A.I. - Ways of preventing defects in the exposed surfaces of silica blocks. p.21.
El'menkin, S.N., Sakiykov, V.I. - Rated output more than doubled. p.24.
Osipov, V.A. - Gypsum concrete panels for vaulted roofs. p.27.
Kogan, G.S., Sheglova, V.P., Berkovich, V.A. - Gypsum cement and fiber pipes for heating and ventilating systems. p.28.
Perederii, I.A. - High-strength gypsum. p.29.
Zhuk, V.I. - Ducts for telephone lines. p.30.

TSukanov, IU.S., Meidbran, A.A. - Arbolit with gypsum cement pozzolan binder. p. 31.
Bondarenko, E.N., Zav'ialov, N.N. - Production of foamed slag using a granulating drum. p. 32.
Epshtein, S.A. - Heat-resistant foamed slag concrete. p. 33.
Kutuzov, N.V. - Pumice from blast-furnace disintegrating slag. p. 35.
Bush, L.P. - Efficient method of roofing with corrugated asbestos cement sheets. p. 35.
Izbash, IU.V. - Determining the plasticity of clay by the flow test. p. 36.
News. p. 37.
Bibliography. p. 39.
Pekarskii, S.I. - Economics of the silicate industry of the U.S.S.R. p. 39.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee for Transportation Construction in the U.S.S.R.]. Moscow, vol. 14, no. 3, Mar. 1964.

Table of contents translated:

New upsurge in the competition of builders of transportation lines. p. 1.
Sarkisov, V.A., Kolomurdi, N.V., Verbato, G.V. - Laying strings of rails without joints in the construction of second tracks. p. 3.
Sobolev, P.V. - Sources of the water supply for the artificial wetting of soil in roadbeds. p. 7.
Vol'skii, I.S. - On the electrified section of the Shakhunya-Kirov track. p. 10.
Orel, A.A. - Using a pipe leader in the construction of pile foundations of supports for overhead contact systems. p. 11.
Kitsak, N.A., Zabella, K.A. - Radial-guy bridge in Kiev. p. 14.
Veitsman, S.G., Krivosheev, V.N. - Building bridge spans with a cantilever crane used in track alignment. p. 17.
Mikhno, V.I. - New developments in needle filtration units for lowering the water level at construction sites and experience in using them in the construction of the Moscow subway. p. 20.
Tomadze, V.A. - Construction of a quay at the Novorossiysk Ship Repair Yard. p. 23.
Kozel, I.I., Pereselenkov, G.S. - Reconstruction of the railroad station at Khabarovsk. p. 25.
Shcharinskii, T.L., Kharitonov, O.M. - Construction of a precast reinforced concrete radio relay tower. p. 27.
Kviatkovskii, R.K. - Eliminating structural defects in AB-8 type of mobile electric power plant. p. 30.
Musin, M.A. - Chief engineer of a mechanized work column. p. 31.
Kruglov, L.V. - Bridges according to new designs. p. 32.
Mikhailov, M.A. - Third specialty. p. 34.
Rumiantsev, N.G. - Be happy, people! p. 35.
Sherman, M.E. - Method of computing the genuine value of cost indices for fulfilling the plan. p. 36.
Smirnov, M.F. - Problems of single inspections and of the comprehensive designing of a transportation network. p. 38.
Iosilevskii, L.I. - Rigidity of prestressed structures with reduced pinching of booms. p. 39.
Vlasov, S.N., Negreev, V.F., Abramov, D.M. - Using anticorrosive greases in subways. p. 43.
Lavrinovich, E.V., and others. - Concreting vertical seams of cylindrical shells. p. 45.
Fel'dman, IA.G. - Method of the thermal treatment of reinforced concrete frames by infrared rays. p. 49.
Derevianko, N.S., Molzhes, L.B., Shelkovich, G.L. - Use of a surface vibration thickener during the concreting of piling., p. 50.
Mobile metal mold for manufacturing concrete blocks. p. 51.
TSimbart, I.E. - Tunneling under Mont Blanc. p. 53.
Kan'shin, V.P. - Bridge across the Main River. p. 55.
Troitskii, K.D. - Lining a sewer tunnel. p. 56.
Levikov, G.A. - New port for Salvador. p. 57.
Gan'shin, V.N., Khrenov, L.S. - Surveying in railroad work. p. 58.
Looking through old magazines. p. 60.
Rozhdestvenskii, K.V. - It is necessary to have general plans for the development of the railroad systems of the separate districts. p. 61.
Akopov, V.I. - Discrepancies in standard designs should be eliminated. p. 61.
Brief news. p. 62.

VOPROSY FIL'TRATSIONNYKH RASCHETOV GIDROTEKHNICHESKIKH SOORUZHENII [PROBLEMS OF SEEPAGE CALCULATIONS FOR HYDRAULIC ENGINEERING STRUCTURES]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut vodosnabzheniia, kanalizatsii, gidrotekhnicheskikh sooruzhenii i inzhenernoi gidrogeologii [All-Union Scientific Research Institute of Water Supply, Sewage Systems, Hydraulic Engineering Structures, and Engineering Hydrogeology]. Moscow, no. 4, 1964.

Table of contents translated:

Foreword. p. 3.
Verigin, N.N. - Performance of water-intake wells in nonsteady flow. p. 5.
Romanov, A.V. - Water flow toward a perfect well. p. 25.
Bochever, F.M. - Hydrogeological calculation of the water intake structures in nonuniform water-bearing strata. p. 32.
Romanov, A.V., Aleksandri, V.F. - Filtration calculations of waste disposal reservoirs. p. 53.
Grigor'ev, V.M. - Vacuum drainage of the underground parts of buildings. p. 77.
Romanov, A.V., Aleksandri, V.F., Kuz'menko, I.D. - Calculation of spatial flow toward drains under complex hydrogeological conditions. p. 91.
Druzhinin, N.I. - Use of the electrohydrodynamic analogy method for studying spatial filtration under complex conditions. p. 108.
Chernomashentsev, G.P. - Determining the stationary depression surface of ground water in an interfluvial massif. p. 126.
Romanova, E.IA. - Efficiency of drainage installations in nonuniform media according to the water permeability of the foundations of concrete dams. p. 130.
Nasberg, V.M. - Calculating the filtration in water tunnels of cylindrical shape. p. 142.
Bessonov, N.D. - Evaluating the application of the linear law in filtration calculations. p. 151.
Shestakov, V.M. - Using the electrohydrodynamic analogy models for the filtration calculation of vertical drainage and water-level lowering. p. 161.
Beliakov, V.M. - Laboratory testing of gravel filters under pressure conditions. p. 182.

e. ELECTRICAL ENGINEERING

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol. 8, no. 6, 1964.

*AVTOMATIKA I TELEMEKHANIKA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomatiki i telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 25, no. 3, Mar. 1964.

Table of contents translated:

TSypkin, IA.Z. - Frequency criteria for the absolute stability of sampled-data control systems. p. 281.
Khalanai, A. - Absolute stability of some regulated systems with delay. p. 290.
Pinsker, I.Sh. - The alternance method. p. 302.
Gabasov, R., Kirillova, F.M. - Method for solving some problems in optimal control. p. 312.
Mil'shtein, G.N. - Use of successive approximations in the solution of an optimum problem. p. 321.
Rutman, R.S. - Use of pulse-shape correction for improving the performance indices of sampled-data systems. p. 330.
Method for analyzing periodic states in a relay system containing two arbitrarily switched-in relays. p. 339.
Sobolev, O.S. - Analysis of the structure of a multidimensional automatic control system with nonlinear coupling. p. 347.
Klokov, IU.L. - Evaluation of sampling interval in calculating spectral densities of random processes. p. 356.
Shatkhan, F.A. - Application of the maximum principle to problems of optimization of parallel chemical reactions. p. 368.
Svoboda, A., Chulik, K. - Algorithm for solving Boolean equations. p. 374.
Ostrovskii, IU.I. - Coding of transition matrix lines. p. 382.
Evaluation of the performance of a centralized information collecting and processing center with unlimited memory. p. 394.
Venetkovskii, L.B. - Passage of fluctuation noise through remote control devices with a time selector. p. 395.
Naumchenko, V.V. - Reliability of ideally redundant systems. p. 413.
Gogolevskii, V.B. - Laws of parameter distribution and probability of faultless operation of components subject to wear. p. 416.
Serzhers-Viktorova, V.S. - Improvement of the quality of demodulators. p. 424.
Levitan, G.I. - Five-stage shift register using static triggers as a decimal scaling circuit. p. 432.
Chudakov, A.D. - Algorithm for the comparison of two binary numbers. p. 436.

Vol. 25, no. 4, Mar. 1964.

Table of contents translated:

Fel'dbaum, A.A. - One class of self-teaching systems with dual control. p. 433.
Paraev, IU.I. - Solution of a problem on the analytical design of controllers. p. 445.
Popov, IU.B. - Analytical design of an optimum controller for stabilizing the angular position of vertical take-off and landing apparatus. p. 452.
Sirazetdinov, T.K. - Contribution to the theory of optimum processes with distributed parameters. p. 463.
Krutova, I.N., Rutkovskii, V.IU. - Effect of integr in laws governing changeable coefficients on the dynamics of a self-adaptive control system with a model. p. 473.
Kadymov, IA.B., Listengarten, B.A. - Approximate method for calculating transient processes in automatic control systems including links with d tributed parameters. p. 484.
TSertsvadze, G.N. - Stochastic automata and problems of constructing reliable automata from unre able elements. p. 492.
Ordyntsev, V.M. - Algorithmic structural diagram a system for the automatic control of chemical industrial processes using a computer. p. 500.
Il'in, V.A. - Problems of remote control. p. 517.
Shastova, G.A. - Interference rejection of discrete methods for telemetry data transmission. p. 527.
Pozin, N.V. - Increase in the interference rejection of telemetering systems with pulse-width modulat and pulse-time modulation using a time selector. p. 539.
IAkimov, P.A. - Power type hydraulic servo drive with computing attachment. p. 547.
Domanitskii, S.M., Prangishvili, I.V. - Reliable logical elements and output amplifiers with redundant structure. p. 555.
Kasatin, O.G., Rozenblat, M.A. - Information reado in a transfluxor used as an analog memory component. p. 562.
Kozlov, G.D. - Characteristics of magnetic devices with branched cores. Part 2. p. 570.
Cherepanov, A.I. - Effect of time and level quantization on the operation of a two-positional control system. p. 578.
Raikin, A.L. - Additional estimates for a redundancy scheme with fractional brevity. p. 582.
Kuznetsov, N.E. - Calculation of electromagnetic sli clutches with non-ferromagnetic rotors. p. 585.
Razgon, V.N. - Conference on remote control. p. 58

AVTOMATIKA, TELEMEKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 8, no. 2, Feb. 1964.

Table of contents translated:

Agaponov, I.A. - Polymeric materials serving in railroad automatic control and communication systems. p. 1.
Karvatskii, S.B. - Code interlocking systems (SKIs-TsNII) for large stations. p. 4.
Bukhbinder, L.I., Kapusta, A.S. - An VIS-59 input testing bay. p. 10.
Borisenko, L.I., Kolokolov, M.V. - Concerning [illegible] designations in transistor circuits. p. 13.
Rewarding of the workers of electric equipment plants. p. 15.
Gol'dnab, N.A. - High quality of work. p. 16.
Motorin, V.V. - We are utilizing fully all hidden potentials. p. 17.
Tkachuk, V.A. - Specialists in precision equipment. p. 18.
Kravchenko, V.V. - Connection of wire broadcasting bays to the code circuit of the centralized traffic control system. p. 19.
Buldakov, A.S., Russkikh, IU.A. - According to the project of the volunteer design bureau. p. 22.
Gronin, M.A. - Locating the places with decreased crosstalk attenuation in overhead communication lines. p. 24.
Bilnov, E.I. - Water pumping signaling system with operative a.c. p. 24.
Sokolov, V.N. - Method for regulating the fixing springs of SEP-55 drives. p. 26.
Fedorov, V.A. - Some remarks on KB TsSh relay-type semiautomatic block systems. p. 27.
Overheating protection of an unsoldered long-distance communication cable. p. 28.
Naberezhnyi, N.M. Zhokh, V.P. - Special features in the operation of a duplex amplifier with a coil loaded cable. p. 31.
Tukumtsev, B.G. - Block for delaying the action of signal relays. p. 32.
Klein, G.S. - Device for signaling line groundings in stations with signal lights. p. 33.
Tkachenko, N.I. - Method for checking the output limitation of I GIO devices. p. 34.
Bunich, D.A. - Commutation of communication circuits in line equipment rooms may be improved. p. 35.
Moskalenko, N.P. - Improvement of the inspection of automatic cab signaling devices in diesel locomotives. p. 36.
Novik, IU.S. - These problems must be solved. p. 37.
Poguralov, L.A. - System for magnetizing permanent magnets. p. 38.
Punched cards for use in testing imported electron tubes. p. 40.
Lushkevich, V.P. - We have improved the network of ringing devices in the commutators of exchanges. p. 41.

Turovtsev, V.V., Mikhin, [illegible] - The reliability of the ZhR-5 transmitter-receiver can be improved. p.42.

Advice to beginning authors. An outline of the article. p.42.

Developments abroad. p.45.

Vol.8, no.6, June 1964.

Table of contents translated:

Kosovalov, A.N., Sharov, [illegible] - Ensuring the safety of rolling stock. p.1

Dmitriev, V.R., Lebedev, V.A. - Power supply system of electric interlocking devices without [illegible] batteries. p.4

[illegible] - The [illegible] apparatus. p.7.

[illegible] - Intermediate station for selective communication with voice frequency [illegible]. p.11.

[illegible] - Pulse operation of slow relays. p.15.

[illegible] - Use of [illegible] in railroad transport. p.17.

The award "Honored railroad worker" is thirty years old. p.19

[illegible], V.M. - High work tempo and excellent quality. p.20

Filippov, [illegible] - [illegible] block systems on the [illegible] Railroad line. p.21.

[illegible], A.P. - Improved schemes for the grid control of [illegible]. p.24

[illegible] - [illegible] on the [illegible] Railroad. p.27

[illegible], A.V. - [illegible] adjustment of a radio relay line. p.29

[illegible] - Portable [illegible] for [illegible] operation. p.32

[illegible], V.G. - [illegible] p.34.

[illegible] - Use of [illegible] poles. p.37.

[illegible], I.M. - [illegible] relays. p.38

[illegible] - [illegible] relay [illegible] p.42

[illegible] - Measurement of electrical [illegible] relays. p.43

[illegible] - New type [illegible] p.43

[illegible] - Power supply [illegible] apparatus. p.44

[illegible] - [illegible] p.45

Awarding [illegible] of the Scientific and Technical Society of Railroad Transport. p.45.

[illegible] p.46

Technical [illegible] p.46

[illegible] p.47.

[illegible] p.48

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of [illegible] [State Planning Committee of the U.S.S.R.] and others, Moscow, vol.35, no.1, Jan. 1964.

Table of contents translated:

[illegible], N.S. - Regulation of steam temperature during firing and banking of a boiler. p.2.

[illegible], I.I. - Means for realizing individual feed in drum boilers. p.4.

[illegible] - Selection of optimum [illegible] velocity and armor structure for a ball mill. p.8.

Kol'man, I.IA., Man'ko, M.E. - Operation of ash dumps in electric power plants. p.11.

[illegible], E.IA. - Operation of heat exchangers under [illegible] conditions. p.15.

[illegible], IU.A., [illegible], O.S. - Choice of the type of a reversible control diaphragm for central heating take-off. p.16.

[illegible], I.N., [illegible], A.G., [illegible], N.IA. - Evaluation of the operational efficiency of turbo feed pumps. p.19.

Turkin, A.M. - Some results of using hydraulic clutches in feed pump drives. p.23.

[illegible] - Use of FPF-UNIIS flame photometers in the regulation of water in electric power plants. p.27.

Kats, A.IA. - Fluorescent lighting of the block control room in large electric power plants. p.31.

[illegible], A.V., [illegible], L.I., [illegible] - Testing of superheaters from 12Kh1MF steel under long-term vibration loads. p.33.

From the pages of [illegible] p.37.

[illegible], M.A., [illegible], I.M. - Built-up welding of the gate mechanism of hydraulic turbines. p.38.

Ivanov, S.T. - Errors in the design of the electrical section of substations and power plants. p.41.

IAkob, IU.A., Bozharinov, V.V. - Structures of outdoor-type 110-500 kv. power distribution systems. p.43.

Prudan'ev, P.D. - Construction of 110 kv. power line crossing on wide rivers. p.51.

Rudzinskii, D.D., Osika, N.P. - Designs of new automated 35/10 kv. substations. p.54.

IAchunskii, E.G., Gulevich, G.A., Afanas'ev, P.K. - Cable lines with 220 kv. rating of the Bratsk Hydroelectric Power Station. p.59.

Shliarevskii, [illegible] - Reliability of dispatcher communication systems. p.61.

[illegible], IU.I. - Designation of power system components. p.64.

[illegible], A.D., and others. - Effectiveness of burning mazut. p.66.

[illegible], N.A., [illegible], L.P. - Carrying capacity of electric power transmission lines from thermal electric power plants. p.71.

Regulations for the preparation of manuscripts. p.76.

[illegible], G.G. - Accelerated cooling of block-type drum boilers. p.79.

[illegible], I.I. - Determination of the center of gravity of a block with nonsymmetrical contours. p.80.

Meshkov, V.I. - A high alluvial ash dump dam. p.81

[illegible], M.M. - Redesigning of the by-pass valve of the by-pass device of high-pressure heaters. p.82.

Maslenikov, V.A. - Increasing the life of reinforced concrete cooling towers. p.83.

[illegible], V.M., [illegible], M.IA. - Overall mechanization of the fuel transport department of a thermal electric power plant. p.84.

[illegible], A.G. - Experience in burning crude oil. p.85.

[illegible], Kh.P., [illegible], IU.M. - Effect of the residual voltage of a generator on the vibration of the stator during the self-synchronization process. p.86.

Gendel'man, E.A., [illegible], IU.K. - New wooden single-pole 35 kv. power line supports. p.88.

[illegible], G.P. - Faulty operation of the PZ-153 protection system due to the burning-out of the protectors. p.89.

[illegible], M.IA. - Centralized repair of distribution and transformer substations. p.90.

[illegible] - Substations with remote control without shorting devices. p.91.

[illegible], N.I. - Use of the VAF-85 device in the capacity of a phase meter with single-phase feed. p.92.

[illegible], A.D. - Concerning A.P. Korabanov's article "Design of economical grounding devices for rural power distribution networks." p.93.

Loginov, M.E. - Concerning M.V. [illegible]'s article "Measures in the prevention of the contamination of insulation in substations and electric power transmission lines." p.94.

[illegible], S.V. - The [illegible] scientific and technical conference on outdoor-type thermal electric power plants. p.95.

Vol.35, no.2, Feb.1964.

Table of contents translated:

[illegible], A.A. - Study of the firing of high-pressure boilers with natural circulation. p.2.

[illegible], V.D., [illegible], N.M. - Comparative tests of the burners of boilers operating with hammer mills. p.8.

Levin, I.I. - Intensification of the grinding operation of ventilated ShBM and MK mills. p.9.

Levin, A.V., [illegible], F.A., [illegible], N.A. - The VK-100-6 turbine manufactured by the Leningrad Metalworking Plant (22d Congress of the CPSU). p.13.

[illegible], A.I., [illegible], V.P. - Automation of a continuous averaging process using a [illegible] transducer. p.20.

[illegible], V.P. - Determination of efficient modes of operation of pumping machinery in thermal electric power plants using a relative increment technique. p.23.

[illegible], V.I., Geller, Z.I. - Methodology for designing duplex diaphragms for measuring mazut expenditure. p.27.

[illegible], S.P. - Conversion of the equipment of the V.I. Lenin Volga Hydroelectric Power Station to operation on 500 kv. p.33.

[illegible], V.M., and others. - Operation of the automatic operator of a multiple-unit hydroelectric power station with long-term frequency deviations from the nominal value. p.35.

[illegible], A.S. - Studies of cavitation in operational hydraulic turbines and their models. p.37.

[illegible], V.P. - Experience in operating electrohydraulic speed controllers of hydraulic turbines. p.41.

[illegible], R.V. - Principal means for improving 6-35 kv. power cables. p.43.

[illegible], V.V., [illegible], V.S., [illegible], V.M. - Use of voltage regulation under load in 35 and 110 kv. power transformers. p.47.

Valov, IU.N. - Use of insulating transformer oils in a municipal electric power distribution network. p.51.

Popov, E.P., Plastolov, A.A. - Drying of transformers with aluminum windings. p.56.

Batuer, A.L., Volkov, V.P., Turbin, V.I. - Grounding of electric current in reinforced concrete towers. p.61.

Rashkes, V.S. - Discharge potential of line insulation during normal rainfall. p.66.

Reinval'd, O.A. - Experience in the operation of closed-loop power distribution networks in Riga. p.69.

Sovalov, S.A., Sokolov, N.I. - Carrying capacity of electric power transmission lines from thermal electric power plants. p.73.

New books. p.79.

Markov, R.A. - Experience in operating the TGV-200 turbogenerator. p.80.

Bensh, V.S. - New types of washing systems. p.81.

Gavrilov, L.G., Osternik, E.S. - Mechanical tests of TGV-200 turbogenerators with instantaneous load drop. p.83.

Zhidkov, N.N. - Pipelines and flow controllers of deaerators. p.84.

Kurbatov, A.P. - Protection of the slopes of earth dams. p.85.

Naumov, B.K. - Prevention of the corrosion of spray nozzles. p.88.

Tradat'ian, R.A. - Turning of a turbine rotor using a balancing machine. p.88.

Musatov, T.P., Soroka, I.F. - Shunting of reactors by disconnectors. p.88.

Vol'pov, K.D., Tarasov, G.I. - Installation of voltage transformers in the interbus portals. p.89.

Iglitskii, E.S. - Possibility of not installing high-speed line protection. p.90.

Pudnik, A.G. - Concerning the article "Technological conditions for the installation of vertical-shaft hydrogenerators." p.91.

Gal'perin, V.V. - Grounding devices in permafrost regions. p.92.

Zaporozhets, B.I. - Concerning T.P. Musatov's article "Exhaust pipe in a power transformer." p.93.

Teplov, V.M. - Concerning L.I. Dvoskin's article "Auxiliary power supply for the self-needs of large condensing power plants." p.93.

Gorenshtein, M.D. - Decrease in the width of clearings for overhead power transmission lines. p.94.

Advertisement. p.95.

Nartova, V.I. - Seminar on overall automation and remote control of high-voltage distribution networks of the Moscow Power System at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p.96.

Vol.35, no.3, Mar.1964.

Table of contents translated:

New objectives of Soviet power engineering workers. p.3.

TSytsenko, V.I. - First outdoor-type solid fuel power plant of the U.S.S.R. p.5.

Kolomys, N.K., Smirnov, A.P., Tregub, V.T. - Experience in using heat shields in 150 Mw. blocks. p.8.

Krasnoselov, G.K., Misanikov, V.K. - Stand measurements of the effectiveness of the introduction of magnesite into the flue gases of a boiler operating on high-sulfur mazut. p.13.

Gorin, V.I., Kovalenko, A.L. - Joint burning of natural gas and high-sulfur mazut. p.16.

TSygankov, S.P. - Results of comparative tests of hammer mills. p.19.

Bogomolov, S.I. - Vibrational reliability of steam turbine rotor blades. p.25.

Zalkind, E.M. - Simplified methods for evaluating and calculating the compensating capacity of pipelines. p.28.

Lobanov, I.P., Sorokin, IU.M. - Prevention of alga growth in the water reservoirs of electric power plants. p.32.

Burov, N.M., Urin, V.D. - Overall automation of the Pavlovsk Hydroelectric Power Station. p.37.

Rosman, L.V. - Group of the excitation of synchronous generators with strong action regulators. p.41.

Kalinichenko, I.S. - Nominal potentials and regulation range of 110 kv. transformers with voltage regulation under load. p.44.

Aronov, M.A. - Disconnecting of unloaded 6-35 kv. transformers using internal disconnectors. p.45.

IAkobson, I.A., Zakharov, A.P. - Use of cast casings from epoxy resin compounds in the installation of outdoor-type cable jointing sleeves. p.51.

Trusova, V.N. - Effect of low temperatures on the mechanical strength of porcelain insulators. p.54.

Kochetov, V.V., and others. - Two-stage distance-type protection system using semiconductor logic components. p.59.

Lint, G.E., Rindiunskii, E.M. - Failure redundancy of 110-500 kv. switches. p.67.

Zul', N.M. - Increase in the reliability of rural electric power distribution systems. p. 70.

Orlov, A.N. - Advantages and shortcomings of oil-filled switches and air switches. p. 73.

Glebov, I.A., Kashtelian, V.E. - Excitation systems of large present-day turbogenerators. p. 74.

Aikhenval'd, E.L. - Experience in the prevention of sediment formation in condensers. p. 77.

Pilsetskii, V.M. - Operational reliability of a turbine under conditions of expanded maintenance. p. 79.

Vitenskii, IU.IA. - Self-oscillations of a high-pressure rotor. p. 80.

Katsov, M.Sh., Sarachinskii, L.N. - Construction of the drainage system of TKZ ion-exchanger filters. p. 82.

Koval'chuk, V.A., Il'in, O.B. - Compensation of the capacitive current in testing the insulation of large electrical machines. p. 83.

Lisitsyn, N.V. - Error in locating insulation damage in the excitation windings of salient pole electrical machines. p. 84.

Galanin, A.I. - Experience in the operation of 110 kv. separators and short-circuiting devices. [illegible]

Musatov, T.P. - Checking of pressed connectors without removing the potential. p. 86.

Popov, V.M., Shidlovskii, A.M. - Network of group-type secondary automatic reclosing for substations with remote control. p. 87.

From the pages of "Biulleten' izobretenii i tovarnykh znakov." p. 88.

Naifel'd, M.R. - Concerning V.P. Brimerberg's article 'Use of the framework of a hydroelectric power station as a grounding system." p. 89.

Golkov, I.V. - Concerning V.M. Shurin's article "Zero-sequence voltage relay for checking the operative state of electric networks." p. 89.

Shurin, V.M. - Author's reply. p. 90.

Zakharov, A.V., Averbukh, D.I. - Review of V.V. Dubrovskii's book "Locating underground waters for the water supply of power engineering systems." p. 91.

Procedure for servicing air switch reservoirs. p. 92.

Emergency lighting and operational lighting. p. 92.

Third Congress of the Scientific and Technical Society of the Power Industry. p. 92.

Konin, F.P. - Conference of a management activists group of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. p. 93.

Professor P.G. Grudinskii; on his 70th birthday. p. 96.

*ELEKTRICHESTVO [ELECTRICITY]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, Jan. 1964.

Table of contents translated:

Muratov, P.G. - Large-scale electrification is a basis for railroad transportation conversion. p. 1.

Rozanov, M.N. - Choice of an economically effective carrying capacity of long-distance power transmission lines after fault clearance. p. 8.

Pavlov, G.M., Kantan, V.V. - Accuracy in the solution of a problem on optimum load distribution. p. 10.

Kozhevnikov, K.I. - Effective parameters of the electric drive of program controlled machine tools. p. 18.

IAkovenkov, V.A., Kalinichenko, S.P. - Methods for increasing the commutational reliability of the motors of rolling mills. p. 24.

Malkopar, A.S. - Stability to lightning-induced surges of high-voltage power transmission lines. p. 28.

Smirnov, K.A. - Fixed parameter and relative base increment methods for calculating the operational efficiency of a power system. p. 35.

Karasev, V.A. - Calculation of dynamic operating modes of electromagnets. p. 39.

Stolbun, M.I. - Magnetically resilient sensors for measuring mechanical forces. p. 45.

Grishin, E.N., Il'inskii, N.F., Kopylov, I.P. - Determination of the spectrum of the harmonics of a magnetizing force in nonsymmetrical windings. p. 47.

Anisimova, N.D., Sokolov, V.I., El'-Shair, Kh. - Elimination of self-excitation in synchronous machines by magnetizing the stator yoke. p. 50.

Akodis, M.M., Katsnel'son, S.M. - Electronic converter with increased frequency. p. 54.

Sandler, A.S., Shapiro, L.IA. Transients in machines and rectifier units. p. 59.

Konstantinov, B.A. - Use of mathematical methods in standardizing the electric power consumption in industry. p. 66.

Oslon, A.B. - Dependence of the grounding resistance on the dimensions of the grounding device. p. 69.

Studa, I.P. - Loss and efficiency diagrams of a.c. power transmission lines. p. 71.

Afonin, N.S. - Electric power transfer between Western European countries. p. 73.

Kaner, B.L. - Regulations governing safety measures in dealing with static electricity in the chemical industries. p. 77.

Contents and presentation of a course in "Theoretical principles of electrical engineering." p. 81.

Ionkin, P.A. - Improvement of the electrical engineering curriculum in electric engineering institutions of higher learning. p. 81.

IAnko-Trinitskii, A.A. - Some aspects of outlining a course in theoretical principles of electrical engineering. p. 84.

Sirota, I.M., and others - Operating mode of the neutral in electric power distribution systems. p. 84.

Solov'eva, G.R. - Strength of the magnetic field on the axis of a coil with symmetrical (conical and cylindrical coils). p. 91.

Drekhsler, R. - Measurement of power using Aron's method. p. 93.

S.A. Ul'ianov; on his 60th birthday. p. 94.

No. 5, May 1964.

Table of contents translated:

Burgsdorf, V.V., Muravieva, N.V. - Lightning protection of rotary electrical machines. p. 2.

Kravchenko, V.D., Levitov, V.I., Popkov, V.I. - Corona power and energy losses in a 500 kv. line. p. 7.

Blok, V.M., Zeberg, R.E., Guseva, S.A. - Choice of optimum wire and cable sizes taking into account economic sizing intervals. p. 13.

Lysenko, E.V. - Protection of generators from negative current sequence overloads. p. 17.

Kaplan, V.V., Nashatyr', V.M. - Basic criteria for appraising the equivalency of synthetic networks for determining the switching capability of high-voltage apparatus. p. 22.

Grachev, A.M., Kliarfel'd, B.N., Stepanov, N.P. - Discharge current distribution along the cross section of a large gas-discharge device. p. 28.

Kossov, O.A., TSokanov, V.V. - Study of electric and thermal breakdown in power transistors. p. 34.

Maevskii, O.A. - Calculation of electromagnetic processes in rectifiers using an intermediate function. p. 41.

Alferov, Zh.I., Uvarov, A.I. - Thermal breakdown of germanium power rectifiers. p. 46.

Skorovarov, V.E. - Autonomous voltage inverters using controlled silicon valves. p. 51.

Ageev, I.Z. - Nonstable operation and self-oscillations in the automatic control systems of d.c. machines with distorted characteristics. p. 56.

Lizunov, S.D. - Pulse gradient waves in transformer windings. p. 61.

Ionkin, P.A., Sokolov, A.A. - Principles of the construction and transformation of charts for the design of electrical networks. p. 67.

Benin, V.L., Kizilov, V.U. - Calculation of optimum parameters of a ferrodynamic converter. p. 73.

Rekus, G.G., Chirkov, M.T. - Speed control ranges of an induction motor with frequency regulation. p. 77.

Livshits, D.S. - Determination of electrical loads of industrial enterprises. p. 82.

Bul', O.B. - Superconductivity in electrical engineering. p. 85.

Kaplianskii, A.E., Dodotchenko, V.V., Kononov, S.P. - Magnetic plasma and ion flow motors and d.c. generators. p. 88.

Osadchii, N.P. - Problem concerning the increase of commercial power line frequency and its optimal value. p. 92.

Novitskii, P.V. - Fundamental relation in the information theory. p. 93.

K.K. Khrenov; on his 70th birthday. p. 93.

G.A. Kukekov; on his 60th birthday. p. 94.

Komarov, D. - All-Union conference on rural electrification. p. 95.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo sviazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im A.S. Popova [Ministry of Communication of the U.S.S.R. and the A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 18, no. 4, Apr. 1964.

Table of contents translated:

Kuznetsov, V.D., Soshnikova, N.V. - Antenna systems of television centers. p. 1.

Shakhgil'dian, V.V., Liakhovkin, A.A. - Filtration of a monochromatic signal by a phase frequency trim system. p. 11.

Grigulevich, V.I., Lobodzinskii, V.A. - Some optimum relationships in the limitation of amplitude modulated oscillations. p. 19.

Trifonov, I.I. - Synthesis of low frequency filters with transfer characteristics close to monotone ones. p. 27.

Dorfman, L.G. - Electric properties of three-dimensional 12-terminal networks with symmetry. p. 36.

Deriugin, N.G. - Accuracy of black color transmission in color television. p. 43.

Kulia, V.I. - Experimental study of correlative relationships in speech spectrum and comparison of some alternatives in orthogonal vocoders. p. 48.

Vladimirov, A.S., Polianskii, IU.A. - Small television pulse oscilloscope. p. 61.

IUzhakov, V.V. - Phasal method for measuring the complex h-parameters of transistors. p. 68.

Kniazov, IU.S. - Carrying capacity of a channel with limiting of the signal in the group amplification channel of a multichannel single-band transmitter. p. 75.

Akchurin, E.A., Styblik, V.A. - Frequency stabili of a germanium tunnel diode oscillator. p. 77.

Elizar Vul'fovich Zeliakh; on his 60th birthday. p. 80.

ENERGETICHESKOE STROITEL'STVO; sbornik mater lov po obmenu opytom [POWER CONSTRUCTION; C lection of Materials for the Exchange of Experience]. Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'stva elektrostantsii SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 37, 1963.

Table of contents translated:

TSenenko, I.K. - Leading Soviet thermal electric power plant. p. 3.

Sedakov, N.N., Shimko, V.M. - Leading detachmen of power engineering construction workers. p. 5.

Khristenko, I.G. - Project decisions in the construction of the Dnieper State Regional Electric Power Plant. p. 0.

Sidenko, M.V. - Special features in conducting earthwork. p. 12.

Khenokh, R.G. - Construction of the underground section of the main structure of the Dnieper State Regional Electric Power Plant. p. 15.

Reznitskii, N.G. - Construction of the surface portion of the main structure. p. 10.

Dromiluga, P.I. - Installation of boiler units. p. 24.

Dobrovitskii, I.V., Ivanovskii, V.D. - Installation of turbine units. p. 34.

Fil'chakov, A.A. - Installation of heat regulatory units and automatic control equipment. p. 44.

TSipura, P.N. - Organization of welding operations. p. 47.

Filippov, V.S. - Manufacture of the principal sections of the main structure. p. 50.

Moskalenko, S.E. - Experience in manufacturing eighteen meter long BNSD-18-2 beams with prestressed components. p. 50.

Konovalenko, A.F. - Some features of the installatio of precast concrete sections of the No. 3 shore pumping station. p. 58.

Denisov, E.M., Fernandets, V.R., Bespal'ko, A.N. Experience in erecting a 180 meter reinforced concrete smokestack in the fifth line of the Pridneprovsk State Regional Electric Power Plant. p. 61.

Sukhoi, M.S. - Construction of the settlement of the Pridneprovsk State Regional Electric Power Plant p. 64.

Khenokh, R.G., Il'iashenko, O.I. - Analysis of the expenditures of labor and measures for reducing them. p. 67.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Gosudarstvennyi-komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'nyi komitet Profsoiuza rabochikh elektrostantsii i elektropromyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 12, no. 5, May 1964.

Table of contents translated:

New achievements of Soviet power engineering worker p. 1.

Kozyrev, V.F. - Electrification as an important factor in the intensification of agricultural production. p. 3.

Sarapkin, V.V. - Radio communication equipment for the repair brigades of rural electric power distribution networks. p. 6.

Belikov, N.N. - Quality of electric power. p. 9.

Lebedev, F.M. - Firing system of high-pressure drum boilers with transverse steam coupling. p. 11.

Mukhin, V.N., Zolonov, K.A., Lopatina, M.S. - Redesigning of the NZL-450 boiler in connectio with its conversion to operation on natural gas. p. 13.

Umrikhin, G.D. - Use of highly mineralized boiler water for preparing a regenerated solution for sodium cation exchange filters. p. 14.

Zeidel', K.G. - Automatic control of the dosing of a coagulant by means of electric conductivity impulses. p. 17.

Naumov, N.A. - Automation of the supply of heating steam to evaporators. p. 18.

Trakhanov, G.A., Balakhnin, S.A. - Improved operation of sliver traps. p. 19.

Litvin, O.P. - Improvement of the operation of water rim vacuum pumps. p. 20.

Diluk, L.A. - System for repairing grab bucket cranes using a rail track. p. 22.

Kristallovich, G.A. - Improvement of the safety valves of a reduction and cooling system. p. 23.

Molchadskii, M. L., Gochev, V. S. - Repair of the grooved drainage system of sodium-cation exchange filters. p. 23.

Ilyin, A. A. - Adjustment of the magnetic amplifiers of VTT temperature regulators. p. 24.

Bondarenko, V. M., Vetrov, A. S. - Operation of the oil supply department of 110-220 kv. oil-filled cable lines in the Moscow Regional Power System Administration. p. 26.

Martin, S. I. - Use of wooden supports for two-circuit 110 kv. power transmission lines. p. 30.

Kondrat'ev, S. G. - Use of a relay in blocking contactors in [illegible]. p. [illegible].

[illegible], [illegible] - Removal of the rotor pole of the [illegible] generator [illegible] compensation without dismantling the rotor. p. 31.

Mandrykin, G. A. - Use of equipment in the repair of turbogenerators. p. 33.

[illegible], V. A., [illegible], M. P. - Repair of damaged shafts of [illegible] turbines. p. 35.

[illegible], A. I. - Welding of steam boiler [illegible]. p. 36.

Khodakova, M. V. - Insulation of winding leads of [illegible] kv. [illegible] power transformers. p. 37.

Khodakov, M. V. - [illegible] used in marking protective rubber materials. p. 39.

Alekseev, S. V. - Installation of the steel shafts of the magnetic circuit of a [illegible]. p. 40.

[illegible] p. 40.

Through the pages of technical journals. p. 42.

Simplification in electrical and static [illegible]. p. 42.

Mercury-arc rectifiers. p. 44.

Control boards [illegible] at the rectifier [illegible] factory [illegible] apparatus factory. p. 45.

[illegible] p. 47.

MOSCOW. ENERGETICHESKII INSTITUT. Trudy. Gidroenergetika [MOSCOW POWER ENGINEERING INSTITUTE. Transactions. Hydroelectric Power Section] No. 2, 1961.

Contents. [illegible], [illegible] - Calculation of surface conditions [illegible] hydroelectric power stations and dams with ledges [illegible] plates [illegible]. 145 p.

MOSCOW. INSTITUT [illegible] ELEKTROMEKHANICHESKII. [illegible] [INSTITUTE OF [illegible] ELECTRICAL ENGINEERING. [illegible]], No. 47, 1963.

[illegible] (Theory and technology of drilling and blasting [illegible]).

Table of contents translated:

Foreword. p. 3.

[illegible], A. F., [illegible], [illegible] - Technical and economic indices for [illegible] drilling of boreholes in [illegible] strip mines. p. 5.

[illegible], A. P., and others. - Investigation of [illegible] drilling of boreholes in strip mines. p. 20.

[illegible], [illegible] - Investigation of rotary [illegible] drilling of boreholes with compressed-air [illegible]. p. 30.

[illegible], M. I. - Effective conditions of using [illegible] for [illegible]. p. 43.

Tebar', M. G. - Investigation of rotary drilling of boreholes in strip mines of the "[illegible]" Trust. p. 52.

Dmitriev, A. P., Lebedev, [illegible], [illegible] - Characteristics of thermal piercing of boreholes in complex ore deposits. p. 57.

[illegible], A. V. - Investigating the efficiency of diamond drilling of blast holes in hard areas during the underground mining of a deposit. p. 70.

[illegible], P. N. - Selecting the rate and power for an electric motor of electric hand drills. p. 84.

[illegible], V. K. - Theory and practice of blasting operations in the mining industry. p. 100.

[illegible], V. L. - Blasting operations in the coal industry in Great Britain. p. 120.

Liu' [illegible] [Liu [illegible]]. - Results of investigating the shattering process of solid media during blasting. p. 132.

[illegible], M. A. - Investigating the advantageous overburden disposal in dump piles in strip mines of the Mikhailovka Iron Ore Combine in the Kursk Magnetic Anomaly using the linear progressing method. p. 135.

[illegible], S. N. - Mining the "[illegible]" iron ore deposit in Bulgaria. p. 143.

[illegible], P. V. - Investigating the depth and number of boreholes in mining horizontal workings in homogeneous rock on the basis of progressive practice. p. 151.

[illegible], P. M. - Prolonged resistance to blasting of frozen rocks. p. 184.

Sobolev, A. M. - Using gunite for strengthening underground structures. p. 191.

[illegible], S. N. - Results of using the combined method of mining operations in hard ores. p. 203.

PRIMENENIE USOVERSHENSTVOVANNYKH SKHEM ELEKTROPRIVODOV V PROMYSHLENNOSTI [USE OF IMPROVED ELECTRIC DRIVE SYSTEMS IN INDUSTRY]. Issued by Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii [State Scientific Research Institute of Scientific and Technical Information]. Moscow, no. 1, 1963. Materialy Zavodskogo opyta [Materials from factory practice].

Table of contents translated:

Automated electric drives in industrial mills and mechanisms. p. 3.

Automated d.c. drives. p. 40.

Automated industrial a.c. drives. p. 55.

Abstracts of articles and materials on automated industrial electric drives. p. 61.

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 17, no. 6, June, 1962.

Table of contents translated:

Increase emphasis on work quality in the installation of electrical equipment. p. 1.

[illegible], V. A., [illegible], F. A. - Photoelectric relay for lighting control. p. 4.

[illegible], B. I. - Decrease in the expenditure of compressed air in the hammers of a free forging system. p. 6.

[illegible], B. I. - Adjustment and operation of an automatic device for regulating outdoor electric lighting systems. p. 9.

[illegible], M. I., Maslov, V. I. - Increase in the life of electric furnace lining. p. 10.

Masal'skii, [illegible], [illegible], G. M. - Flameless panel-type burners for furnaces with radiating walls. p. 14.

[illegible], V. A. - System for continuous installation of [illegible]. p. 16.

[illegible], A. I. - System for locating damaged sections in high-voltage power lines. p. 19.

[illegible], N. F. - Transmission of temperature [illegible] using single phase selsyns. p. 22.

[illegible], [illegible] - Use of [illegible] for braking [illegible] motors. p. 24.

[illegible], [illegible] A. - Work on the simplification of asynchronous motor start systems. p. 26.

[illegible], [illegible] - Simplification of the start systems of synchronous motors. p. 27.

[illegible], [illegible], [illegible], A. M., [illegible], M. IA. - Increasing the [illegible] capacity of vertical [illegible]. p. 34.

[illegible], [illegible] - [illegible] of automatic control devices. p. 37.

[illegible] p. 41.

[illegible], [illegible] - Use of computers for statistical calculations and fault analysis in electrical networks. p. 42.

[illegible], [illegible] - Maintaining the thermal load of electrical equipment. p. 43.

Through the pages of foreign magazines. p. 44.

Introduction of changes and additions to Chapter VII-3 "Electrical equipment of premises with explosion hazards and outdoor-type systems" of the "Regulations for the installation of electrical systems." p. 48.

[illegible], A. N. - All-Union Scientific and Technical Conference on Electric Drives in Ferrous Metallurgy Plants. p. 50.

[illegible], M. B. - "Problems of safety in electrical systems," by V. E. Manoilov. p. 52.

Brief news. p. 53.

Audio signaling devices. p. 54.

[illegible] systems. p. 55.

Vol. 19, no. 5, May 1964.

Table of contents translated:

Greater emphasis on rural electrification. p. 2.

[illegible], V. M. - Fuel and power balance of ferrous metallurgy plants. p. 5.

[illegible], V. IU., [illegible], L. IU. - Expenditure of electric power in synthetic rubber plants. p. 9.

Nemirovskii, A. IA. - Improvement of conveyor furnaces. p. 11.

[illegible], Z. I. - Diagrams for testing electric machines. p. 13.

Borovikov, V. M. - Experience in operating the main drive of the 500 mill. p. 15.

[illegible], N. F. - Improvement in the design of the main current collectors of bridge cranes. p. 18.

[illegible], M. B. - Testing of the main model of a piston-type nitrogen compressor. p. 19.

Manlov, V. I., Pochtar', V. P. - Turbulent blast-furnace gas burner. p. 23.

Bruk, A. D., Shekhter, B. IA. - Wear of the rotors of agglomerate exhaust fans. p. 25.

Nechaev, E. V., Gallish, IA. V., Vinokurov, M. Kh. - Testing of the SU-16-30 boiler with a Sheredinov furnace system operating on milled peat. p. 27.

Dravzhenko, A. D., Detashkin, K. I., Gaucho, V. M. - Two-step installation of a converter substation with mercury-arc rectifiers. p. 30.

Petrosian, A. N. - Problems of the electric power supply of drilling rigs. p. 33

Enikian, M. A. - Calculation of the loads of electrical networks of deep well pump systems in the petroleum industry. p. 37.

IUterov, F. M. - Executive motors of automatic control units. p. 42.

Vol'fkovich, IA. E. - Block system of contact welding apparatus. p. 46.

Vol'fkovich, IA. E. - Feeding of portable electrical equipment from an enclosed trolley line. p. 47.

In the State Inspection on Power Engineering Supervision. p. 49.

Arrangement of electric potential equalizers between the water pipes and the metal hull of tubs presently installed in all newly built dwellings, public buildings, and residential quarters in industrial enterprises. p. 48.

Ermilov, A. A. - In the technical council of the State Design and Planning Institute for Large Electrical Machines. p. 49.

Tarumov, A. N. - Electrical equipment of oil field systems. p. 50.

Mukoseev, IU. L. - Plenum of a section of the Central Administration of the Scientific and Technical Society of the Power Industry on electric power supply of industrial enterprises. p. 51.

Suggestions having received recognition at the Eighteenth All-Union Competition on the Economy of Thermal and Electric Power. p. 52.

Brief news. p. 54.

Discoveries and inventions. p. 55.

Elchin, B. G. - Concerning the consolidated regulations governing the technical operation of electrical systems. p. 57.

Concerning the publication of "Instructions on the design of electric power supply systems of industrial enterprises." p. 57.

Zinoll'n, L. Sh. - Safety in the use of electric household appliances. p. 58.

Kurdiumov, N. P., IArosienko, V. I. - Concerning I. A. Kiripichnikov and M. I. Sharil's article "Experience in using bus conductors in electrical networks of sea harbor piers." p. 58.

Grinberg, D. V. - Concerning the article "Stand for testing electrical motors." p. 59.

Lobodov, M. M. - Methods for computing power expenditure per worker in production. p. 60.

Ebochkov, V. N. - "Handbook for heat engineering workers of industrial enterprises" by I. I. Kasatkin. p. 61.

Through the pages of trade journals. p. 63.

IU. A. Ginzburg: obituary. p. 63.

Magnetic amplifier blocks. p. 63.

*VESTNIK SVIAZI [COMMUNICATION REVIEW]. Issued by Ministerstvo sviazi SSSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol. 24, no. 5(290), May, 1964.

Table of contents translated:

Improve and develop radio broadcasting, wire broadcasting, and television techniques. p. 1.

Gitkman, S. K. - Apparatus for multiplexing radio relay lines with UHLV type broadcasting channels. p. 3.

Vozvalin, A. A. - Shpengel' towers in radio communication and broadcasting lines. p. 5.

Kataev, S. I., Konstantinenko, L. I. - Increasing the quality of synchronization in long-distance television transmission. p. 9.

Rivkin, I. T. - Electrical characteristics of municipal three-program wire broadcasting networks. p. 10.

IArtsev, G. K. - Individual equipment of 24-channel BK-24 multiplexing apparatus. p. 12.

Agricultural workers should be provided with outstanding telecommunication systems. p. 16.

Linchevskii, M. A. - Radio and telephone in villages in Uzbekistan. p. 18.

Gershel', P. A. - The development of wire broadcasting systems is a problem of utmost political importance. p. 20.

Kolomova, A. A. - We don't rest on our laurels. p. 20.

Mosgunov, M. L. - Contribution of communication workers to the operation of major chemical complexes. p. 22.

Khaletskas, I. IA. - Organization of mail transportation and delivery to subscribers in the Lithuanian S. S. R. p. 24.

Karoovan, N. L. - The collective of the telecommunication center is improving the quality of its work. p. 26.

Grishko, N.D. - Conference by mail of long-distance telephone communication workers. p. 27.
The achievements of chemistry should be fully utilized in the telecommunication industry. p. 28.
Volkov, S.G., Klinshko, A.V., IAkovlev, L.IA. - Radio center deserving a high mark for its engineering excellence. p. 29.

RADIO. Organ of Ministerstvo sviazi SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodeistvila armil, aviatsii i flotu [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 5, May, 1964.

Table of contents translated:
In the name of progress. p. 1.
Carrying A.S. Popov's name. p. 3.
Psurtsov, N. - Telecommunication and the building of communism. p. 4.
Kazanskii, G. - Union of radio-electronics and chemistry. p. 6.
Toward outstanding sport achievement. p. 8.
Shiganov, A. - In the hometown of Shchors. p. 9.
Grif, A. - New records in competitions. p. 11.
Kazanskii, N. - Performed by volunteers. p. 13.
Spartakiada strides through the country. p. 14.
Ultrashort radio waves. p. 16.
Liapin, G. - A shortwave exciter. p. 16.
Avdeev, B. - Portable transmitter for "fox hunting" games. p. 20.
Zhmurin, P., Korguzalov, A., Sergeev, V. - In two languages. p. 22.
Kovach, A. - Industrial television systems. p. 25.
Vasil'kovich, I. - Transistorized frequency converter. p. 26.
Ivankov, IU. - Multitone electronic musical instrument. p. 29.
Rumiantsev, A. - Automatic dictaphone. p. 33, 40.
TSyganova, L. - Magnetic sound recording. p. 35.
Dzhemolia, V. - Duplex condenser block with variable capacitance. p. 39.
Kokachev, V. - "Vesna" pocket radio. p. 41.
Minin, B. - Radio receiver using one transistor. p. 45.
Stepen'kov, V. - Radio receiver using three transistors. p. 46.
Gumaniuk, M., Il'iushu, A., Burda, P. - Ultrasonic "coal-rock" indicator. p. 48.
Makedon, V. - Tube tester. p. 51.
Barkanov, N. - Micromodules and microminiature electronic equipment. p. 54.
Studnichka, M. - Czechoslovakian micromodules. p. 56.
Slubert, K. - New radio receiving apparatus manufactured in the German Democratic Republic. p. 57.
Through the pages of foreign magazines. p. 59.
Our consultations. p. 60.
Ovcharenko, E. - What is possible and impossible in cybernetics. p. 62.
Books on automatic control. p. 63.
Exchange of experience. pp. 28, 50, 53, 55.

*RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A.S. Popova [A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 19, no. 2, Feb., 1964.

Table of contents translated:
Petrov, B.E. - Polynomial approximation of the characteristics of nonlinear elements. p. 3.
Fink, L.M., Kotov, V.S. - Two methods for the reception of binary frequency telegraphy signals. p. 13.
Dorman, M.I. - Passage of white noise through some circuits step-wise varying parameters. p. 17.
Movshovich, M.E. - Design of two-stage parametric frequency converters. p. 20.
Zeitlenok, G.A. - Calculation of a hard-driven electron-tube generator. p. 36.
Strel'tsov, B.N. - Increase in magnetic field concentration in magnetic recording heads. p. 47.
Pripolov, E.IA. - Calculation of a grounded emitter circuit with complex translator parameters. p. 52.
Kudolin, K.M. - Calculation of heat sinks for power transistors. p. 59.
Rusin, IU.S. - Determination of the self-capacitance of windings. p. 64.
Gur'ev, A.V., Romanenko, A.F., Sergeev, G.A. - Properties of a generalized smoothing operator. p. 67.
Rizkin, A.A. - Letter to the editor. p. 73.
G.V. Voishvillo's reply to a letter to the editor. p. 76.
Kulikovskii, A.A. - Study of feedback in translator circuits. p. 78.

Vol. 19, no. 5, May 1964.

Table of contents translated:
All-union "radio day." p. 3.
Zhabotinskii, M.E., Sverdlov, IU.L. - Phase instability of multistage frequency multipliers. p. 5.

[illegible], A.M., [illegible] - [illegible] subjected to the action of [illegible] complex form. p. 17.
IAvich, L.R. - [illegible] complete with [illegible]. p. 25.
Concerning one method for [illegible] circuits of [illegible] with a pulse shaping line using a [illegible].
[illegible], N.V. - [illegible] sign of [illegible] forms. p. 36.
Krylov, G.M. - [illegible] p. 49.
[illegible], A.N. - [illegible] oscillators. p. 54.
Vasil'ev, G.I. - [illegible] of an electron-tube oscillator. p. [illegible]
[illegible], G.I. - [illegible] of radio television. p. [illegible]
[illegible], IU.B. - [illegible] systems with [illegible]. p. 70.
[illegible], L.L., [illegible] for [illegible] single [illegible]. p. 77.
[illegible] p. [illegible]
New books. p. [illegible]

[illegible] Moscow, no. [illegible]

SVETOTEKHNIKA [LIGHTING ENGINEERING]. Organ of [illegible] of the U.S.S.R., and the [illegible] of the Scientific Technological Society of the Power Industry]. Moscow, vol. 10, no. 6, June 1964.

Table of contents translated:
[illegible], G.B. - Results of [illegible] the lighting [illegible] of the textile [illegible] plants. p. 1.
[illegible], N.B. - [illegible] lighting fixtures. p. 5.
Mikhailova, V.N., [illegible] - Lighting of industrial buildings [illegible]. p. 13.
[illegible], N.V. - Calibration of a [illegible]. p. 17.
[illegible], V.B., [illegible], A.M. - [illegible]. p. 20.
[illegible], F.A., [illegible] - Radiation of high pressure [illegible] lamps [illegible] spectrum. p. 22.
[illegible], K.IA. - Automatic lighting [illegible]. p. 25.
[illegible], IU.B., and others. - [illegible] obituary. p. 28.
Through the pages of foreign magazines. p. 29.
[illegible], N.M., [illegible], IU.B. - [illegible] H. [illegible] and W. [illegible] book "[illegible] lighting technique." p. 30.
Wall-type and [illegible] light fixtures with [illegible] lamps. p. 32.

[illegible] Moscow, no. [illegible] June 1964.

INDUSTRIES & TRADES

[illegible] PAPER AND WOODWORKING INDUSTRY] Issued by [illegible] Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research [illegible]. Kiev, no. 1(17), Jan.-Mar. 1964.

Table of contents translated:
[illegible], P.P. - Development of [illegible] of the lumbering, paper, and woodworking industry in the Ukraine in 1964. p. 3.
[illegible], A.V., [illegible], A.IA. - [illegible] polishing machine. p. 6.
Filin, V.D. - Continuous vertical retort for the carbonization of wood. p. 7.
[illegible], G.A. - [illegible] for [illegible] ing chair parts. p. 11.
[illegible], D.L. - Revolving [illegible] frames. p. 13.
[illegible], L.V. - Four-spindle woodworking machine for the manufacture of chairs. p. 15.
[illegible], D.L. - Dividing device for [illegible] the guide ruler in a given [illegible]. p. 16.

[illegible]

[illegible] Moscow, vol. [illegible], no. [illegible] 1964.

Table of contents translated:
[illegible]

[illegible]

Ryndenko, V.M. – Unit for the oil treatment and printing of plywood. p.21

Ponomarev, V.I., Mal'tsev, B.G. – Automatic programmed control by regulating the drying agent in drying chambers. p.22

Pokarchuk, D.I. – Continuous line for the manufacture of wire frames for upholstered furniture products. p.24

Pondel'skii, Z.S. – Public Office of Economic Analysis at the Chernovtsy Furniture Combine. p.24

In the State Committee of the Lumber, Wood Pulp, and Woodworking Industry and Forest Management attached to the State Planning Committee of the U.S.S.R. p.26

Review of the scientific research work of the Ukrainian Scientific Research Institute of Mechanical Woodworking completed in 1963. p.27

Fridman, V.Sh. – Woodworkers, heroes of the seven-year plan. p.29

New books. p.30.

Tikhomirov, Z.V. – Production of furniture in Denmark. p.30

Belt [illegible] edge [illegible]. p.31

Platform for [illegible] [illegible] according to [illegible]. p.32

Production of [illegible] [illegible]. p. [illegible]

Vol.13, no.6, June 1964.

Table of contents translated:

[illegible] [illegible]. p.2 [illegible].

From the pages of scientific-technical journals abroad. p.2-4 of insert.

Pol'kovskii, B.M., Ivanov, N.A. – [illegible] materials in the manufacture of furniture. p.1.

Zhel'tobryukh, N.S. – Gluing wood with polyvinyl acetate emulsion. p.5.

Sokolovskii, V.I., Ivanov, A.I., Mikhailov, A.P. – [illegible] [illegible] [illegible]. p.7.

[illegible], M.N., [illegible], I.I. – [illegible] grooves in wood. p.7.

Ponomareva, I.A. – [illegible] for gluing papers with [illegible] electric field. p.9.

[illegible], N.N., [illegible], L.P. – [illegible] [illegible] systems. p.11.

[illegible], A.P. – [illegible] [illegible] saws. p.13.

[illegible], V.I., [illegible], N.I. – [illegible] [illegible]. p.17.

[illegible], I.I. – Milling [illegible] [illegible]. p.18.

In the State Committee of the Lumber, Wood Pulp, Woodworking Industry, and Forest Management attached to the State Planning Committee of the U.S.S.R. p.17.

[illegible], A.V. – Manufacture of [illegible] at the [illegible] Woodworking Combine. p.19.

[illegible], V.A., [illegible], P.S., [illegible], V.I. – [illegible]. p.21.

[illegible], F.N., [illegible], B.M., [illegible], A.A. – [illegible]. p.22.

[illegible], A.M. – Manufacture of [illegible]. p.24.

[illegible], I.I., [illegible], N.N. – [illegible]. p.27.

[illegible], I.M. – Impregnation of wooden parts with [illegible]. p.26.

[illegible], V.G. – [illegible] [illegible] of [illegible]. p.28

[illegible], V.I. – A [illegible] grid for [illegible] against [illegible] of round [illegible]. p.28.

[illegible], A.A. – [illegible]. p.27.

[illegible], F.A. – Sharpening wood-cutting tools with diamond wheels. p.29.

Survey of the research and design work of the All-Union Scientific Research Institute of the Woodworking Industry with the Design and Technological Bureau completed in 1963. p.29.

New books. p.30.

Two new methods of sawing small timber. p.31.

Wheel carrier for transporting large loads. p.31.

Automatic surface finishing line using polyester and nitrocellulose varnishes. p.32.

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' (BAKING AND CONFECTIONERY INDUSTRY). Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti (State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry). Moscow, vol.7, no.12, Dec. 1963.

Table of contents translated:

Moroz, N.E. – Save every grain of flour, don't tolerate losses! p.1.

Balandinskaia, O.A. – Use of corn extract in the yeast industry. p.3.

Verzhbitskaia, I.M. – Measurement of the heat flow in the working chambers of bakery ovens. p.6.

Kropova, L.D. – Selection and substantiation of the method for determining the degree of dispersion of powdered sugar. p.9.

Istomina, M.M., and others. – Investigating the possibility of using film evaporators for the boiling down of confectionery masses. p.14.

Popov, P.E. – Let's improve the economic work in the enterprises of the baking, confectionery and macaroni industry. p.16.

[illegible] – Wages according to daily work results. p.21.

Petrov, I.F. – Socialist capital accumulations (discussion). p.22.

Plavskii, P.A. – Material self-interest and the reducing of workers' turnover. p.23.

Pogorelyi, V.N. – Dedicated Vitebsk time relay. p.25.

Simakova, S.N. – At the Novosibirsk Bakery Industry Trust. p.27.

Gorevich, A.I. – Electric kiln for roasting aluminum bread molds. p.29.

Irsha, A.P. – Competition for communist labor in the enterprises of the bakery and confectionery industries. p.29.

Chakuk, L.A. – Cooling of molded apple butter after drying. p.30.

Lozenko, L.G. – Socialist competition in the "K. Marks" Confectionery Factory in Kiev. p.31.

Kogan, I.L., Zholobovskii, I.M. – Mechanization of operations in the production of chocolate masses. p.33.

Mikhailovskii, V.A. – In the [illegible] Bakery Combine. p.34.

Sevast'ianova, M.P. – New bandsaw for cutting farinaceous products with a paste fill. p.35.

Serebriakova, M.N. – Molds for the manufacture of confectionery goods. p.36.

Il'inskii, N.A. – Third congress of the Scientific and Technical Society of the Food Industry. p.37.

Scientific seminar and conference of the representatives of the Bakery Industry under the Economic Council of the Moldavian S.S.R. p.39.

Hungarian delegation in the Soviet Union. p.40.

Mikhalskii, A. – A slice of bread on the [illegible]; story. p.41.

List of articles published in the journal during 1963. p.42.

METS, PUIT, PABER (FOREST, WOOD, AND PAPER). [illegible] [illegible] Ministrite Nõukogu [illegible] [illegible] [illegible] (State Scientific and Technical [illegible] of the Council of Ministers of the [illegible] S.S.R.) [illegible] edition, no.1, 1963. (In Estonian)

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PROMYSHLENNOSTI LUBIANYKH VOLOKON. Nauchno-issledovatel'skie trudy (CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE BAST FIBER INDUSTRY. Scientific Research Papers), vol.19, 1962.

Table of contents translated:

Semenovskii, N.V. – Analyzing the work of the layer-forming mechanism of the breaking and scutching machine units for hemp. p.3.

Makeev, V.D., Andreev, V.V., Kiselev, F.S. – Modernization of the MT-530-L breaking machine unit and development of a layer-forming mechanism. p.32.

Fatalin, D.E. – Using the flotation method and chromatographic analysis for determining volatile fatty acids formed during the retting of bast cultures. p.69.

[illegible], I.I., and others. – Specification of the technology for yarn preparation from a blend of cottonized flax and capron staple fibers and of their optimum ratios providing for a maximum improvement of the quality of fabrics for protective clothing. p.79.

Ivanov, S.A., Markov, A.K. – Development of conditions for the winding of bobbins with a low and uniform winding density. p.107.

[illegible], E.V. – Braking of warp rollers on the stand of a sizing machine. p.148.

Zubkova, M.G. – New consumers' fabrics made from a blend of linen and lavsan. p.169.

Koroleva, A.G. – Improving the service properties of rope and cord goods. p.178.

Chelomandrova, A.V. – Device for recording the idle time of looms caused by the breakage of warp yarns. p.188.

Starikov, S.G., Gir'shina, V.B. – Device of the IPK-3 make for the abrasion testing of rope yarn. p.196.

Cherina, M.S., Karaseva, E.V., Prokhorova, S.M. – Weaving of bast fibers, bibliographic index of literature published from 1956 to 1961 (books and journal articles). p.199.

MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' (FLOUR MILLING AND GRAIN STORAGE). Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR (State Committee for Procurement of the Council of Ministers of the U.S.S.R.). Moscow, vol.30, no.5, May 1964.

Table of contents translated:

Peace, construction, and communism. p.1.

Prepare grain receiving equipment to set a good example. Appeal of the participants of the All-Russian Conference of the Workers of the All-Russian Joint-Stock Company for the Sale of Bread and Agricultural Products to all workers, engineers, technical workers and employees of grain receiving stations, elevators, realization and grain bases, flour and feed mills, the supply offices of the All-Russian Association of Grain Products and the plants of "Spetselevatormel'mash." p.2.

Kosanov, O. – Procure grain in Kazakhstan in an exemplary manner. p.3.

Nesterov, M., Okun', I. – Receive and process grain and corn continuously in the Ukraine. p.4.

Amerzhanov, I., and others. – For communist labor; Alma-Ata Milling Combine; Belgorod-Dnestrovskiy Combine; at the enterprises of the Lvov Grain Products Administration. p.6.

Press Day. p.8.

Kiselev, I. – Grain-milling industry in White Russia. p.8.

Kashkarovich, M., and others. – Economic councils staffed with volunteers and the bureau of economic analysis. p.10.

Il'ev, L. – Public control in action. p.12.

Ul'dman, A. – In the "grain storage and processing" pavilion at the Exhibition of Achievements in the National Economy of the U.S.S.R. p.13.

Kiselev, A., Kozub, M., Bel'man, A. – Experiments in the reconstruction of control and testing laboratories. p.17.

Tret'iakov, V. – Quality of grain cleaned in cylinder cleaners. p.19.

Solov'ev, M. – Grits for corn flakes. p.20.

Kiselev, I. – Separating bran from husk at the Minsk Groats Plant. p.21.

Gorshkova, N. – Effect of hydrothermal processing on the technological properties of the Lutescens wheat variety. p.21.

Fauzullin, M. – Using a modified distribution system of linear programming in planning the transportation of grain products. p.24.

Recommendations of a conference on problems of the improvement of economic work at grain products enterprises. p.29.

Motion pictures on safety technique. p.29.

Beliaev, V. – Needs of flour mills for aspirators and heating. p.30.

Andreishchev, A. – Safety technique study rooms. p.30.

Tarasinskii, G. – Determining the carbamide content of beet mixed feeds. p.30.

Brief news. p.31.

Chelyshev, A. – Chemistry in the control of grain product pests. p.31.

Kaminskii, L. – Collection of articles on the automation of drying processes in industry and agriculture. p.32.

Vol.30, no.6, June 1964.

Table of contents translated:

Lichkov, I. – New calculating and crediting procedure for grain receiving enterprises. p.1.

Aleksandrov, B. – Changed wage forms and the increase of labor productivity at grain receiving enterprises. p.4.

Gol'dberg, A., Simonenko, I. – Determining labor productivity at grain receiving enterprises. p.6.

Akulinin, B. – Possibilities of increasing labor productivity at flour mills. p.7.

Chudeev, F., Pustobaev, I. – Industry engaged in the storage and processing of grain in Uzbekistan; 40th anniversary of the Uzbek S.S.R. p.10.

Kvetnyi, M., Faindilt, A. – Creative work of innovators is a great force. p.13.

Zagorodnaia, V. – An evening to honor labor. p.17.

Demidiuk, P. – Improvement of continuous grain and corn processing lines. p.18.

Gashit, B., Kriukin, B. – Automation at the elevator of the A.D. Tsiurupa Milling Combine. p.19.

Trolan, N. – Truck for the transportation of flour in bulk. p.21.

Kravtsov, N. – Utilize the equipment efficiently p.21.

Solodovnik, P., Vikhanskii, IU. – New chemical preparation for the disinfection of granaries. p.22.

Kostel'man, N., Kostel'man, V. – Synthetic fibers for dusting appliances. p.23.

Ivanov, V. – Some results of the qualitative inspection of wheat of the 1963 crop and the conduction of this work in 1964. p.25.

Danilin, A., Bardyshev, O. – Processing corn into flour with the separation of the embryo in Italy and France. p.27.

Zhukov, V. – Fire prevention rules. p.31.

Artemenko, V. – Improve the manufacture of the ZAPZh-8 grain dryer. p.31.

Arshavskii, M. – Results of a poor management. p.32.

Granulated bran. p.32.

Brief news. p.33

Vasilii Sergeevich Kim; obituary. p. 3 of cover.
Preparing and presenting the scientific, technological, industrial, and economic information. p. 4 of cover.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]. Moscow, no. 2(38) 1964.

Table of contents translated:

Kim, S.A., Pushkin, P.S. - Organization of the work in the manufacture of leatherlike cardboard with the use of "Pashke" presses. p. 3.
Skvira, A.A. - Forms of the organization of continuous production lines in the garment cutting shops of clothing factories. p. 10.
Torkunova, Z.A. - Factors affecting the abrasion resistance of hosiery. p. 23.
Pugachevskii, G.F. - Studying the crease resistance of shirt fabrics. p. 32.
Urazov, N.Kh. - Classification of the factors of the wear of clothing fabrics. p. 38.
Semak, B.D. - Permeability to air of summer dress fabrics of various fiber compositions. p. 42.
Sadov, F.I., Kalinina, K.G., Puzanova, S.A. - Use of dispersion dyes for dyeing acetate fibers. Report No. 2. p. 47.
Simonenko, D.F., Pozhidaev, N.N., Pavlov, A.I. - Methodology for determining the resistance to abrasion of underwear knit fabrics. p. 52.
Shtern, I.A., Plotnikov, I.V., Pavlov, S.A. - Swelling in water of the films of carboxyl-containing rubber filled with water-soluble salt. p. 58.
Bogdanov, L.A., and others. - Production and testing of copolymers of partially degraded gelatin with monomers forming polyamides. p. 64.
Nosov, M.P., Pakhomova, L.N. - Radial nonuniformity of nylon fibers. p. 73.
Blokh, G.A., and others. - Production of leatherlike rubber by the method of radiation vulcanization. p. 79.
Kuznetsov, A.R., and others. - Properties of SKS-30-1 synthetic rubber films obtained by means of ionic deposition. p. 84.
Gritsenko, Z.A., Kutianin, G.I., Safrai, B.A. - Friction of sole rubber. p. 92.
Kirakos'iants, M.Kh., Strakhov, I.P. - Effect of organic substances on the stability of aluminum salts. p. 96.
Kutsidi, D.A., Strakhov, I.P. - Nature of the interaction of gelatin with trimethylolmelamine. p. 101.
TSvetkov, V.N. - Determining the coefficient of the bearing stiffness of the rear part of the sole. p. 106.
Mamulashvili, A.V., Giorkhelidze, T.K. - Dynamic conditions of the work of the yarn during sinking. p. 109.
Pishchikov, V.A. - Some problems of the interaction of the shuttle and needle in zigzag sewing machines. p. 113.
Nevskii, A.D. - Design of mechanisms with lengthened service life. p. 123.
Serdiuk, V.P., Borovskii, B.N. - Two prospective systems of progressive transmission. p. 137.
Gorskii, B.E., Cherniavskii, IA.L. - Operation consolidation in the working cycle chart as a means to increase the operative capacity of automatic machines. p. 142.
Bobrovnikov, G.A. - Investigating the fatigue stresses of pressed electroplated joints. p. 151.
Solov'ev, V.I. - New book on enzymology. p. 154.
Trukhan, G.L. - Artistic designing. p. 156.

SLUZHBA BYTA [SERVICE INDUSTRIES]. Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R.S.F.S.R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 2, nos. 6-7, June-July 1964.

TEKSTIL'NAIA PROMYSHLENNOST' [TEXTILE INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol. 24, no. 4, Apr. 1964.

Table of contents translated:

Strides of the "big" chemistry. p. 1.
Araslanov, K.M. - Problems of the increase of the capital yield. p. 9.
Stotskii, V.N. - Large cotton crops delivered to the State by the cotton growers. p. 13.
Ginzburg, L.N., Khavkin, V.P. - Determining the probable characteristics of yarn tension in centrifugal spinning as dependent on the probable characteristics of yarn mass distribution along its length. p. 16.
Prozdniakov, B.P. - Statistical control in the textile manufacture. p. 20.
Vanchikov, A.N. - Designing for strength of yarn blends from cotton and synthetic staple fibers and evaluating their performance. p. 25.
Sautkin, V.P. - Modernization of a three-cylinder drafter with self-weighted rollers. p. 31.
Bukaev, P.T. - Causes of weft breakage on automatic looms. p. 32.
Arofikin, E.V. - Weave selection in making the pattern cards for simple Jacquard fabrics. p. 35.
Invalidov, G.V. - Magnitude of the bent of the latch needle end for circular hosiery knitting machines. p. 38.
Pugasei, N.P. - Manufacture of run-resistant knit cloth on MT and sinker-wheel circular machines. p. 44.
Sobolev, E.A. - All-Union interfactory school for assistants in hosiery factories. p. 51.
Zakharova, T.D., Shchegoleva, R.M. - Single-bath process for dyeing and finishing cotton fabrics. p. 54.
Filatov, M.S., Semak, B.D. - High-quality finishing of summer dress fabrics. p. 57.
Sidneva, K.M., Plentsova, S.A., Boino-Rodzevich, V.P. - Effect of the pH of the dyebath on the mechanical strength of dyed wool. p. 58.
Sadov, F.I., Balashova, T.D. - Analyzing the process of desorption of hydrolized active dyes from dyed cellulose fibers. p. 61.
Aplavin, A.M. - Experience in the application of ultrasonic waves in sizing. p. 63.
Tugeev, K.S., Morozov, A.V. - Instrument for measuring the electric conductivity of textile materials. p. 64.
Zaurov, R.I. - Device for determining the crease resistance of SMT-make fabrics. p. 67.
IAroslavtsev, K.V., Mikhalovskaia, L.O. - New method for determining the crease resistance of pile. p. 68.
Aksel'band, A.M., Kravchenko, N.A., Asner, B.G. - Reducing the static electricity buildup of yarn made from rayon and synthetic fibers. p. 70.
Sizov, P.K. - Some problems in the organization of the production of the new types of fabrics. p. 73.
Maslennikov, K.N., Makhova, R.A. - Response to the article "Classification of textile yarns with a modified structure." p. 77.
Raiskii, N.I. - Observations concerning the articles on carding problems. p. 78.
Smirnov, L.S. - Manufacture of bulk yarns and knit goods in the U.S.A. p. 81.
Usenko, V.A. - Manufacture of high-bulk yarns in the German Democratic Republic. p. 85.
Brief information on foreign technology. p. 87.
Mil'man, IA.V. - Review of the book "Automatically controlled electric driving of textile machinery." p. 89.
New literature on synthetic fibers. p. 90.
Follow-up of published materials. p. 91.
Consultation. p. 93.
Information. p. 94.
Reference material. p. 95.

ZHURNAL MOD [FASHION MAGAZINE]. Issued by Vsesoiuznyi institut assortimenta izdelii legkoi promyshlennosti i kul'tury odezhdy [All-Union Institute of Manufactures and Fashions]. Moscow, vol. 20, no. 75, Spring 1964.

g. MECHANICAL ENGINEERING

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 30, no. 3, Mar. 1964.

Table of contents translated:

Lukin, V.V. - Means for improving the durability and quality of the output of the automobile industry. p. 1.
Lenin, I.M., Gornushkin, IU.G. - Effect of the method of inlet pipe heating on the performance of the ZIL-130 engine under unsteady conditions. p. 6.
Avdon'kin, F.N. - Investigating the reliability of the M-21 engine. p. 8.
Gureev, A.A., Rybakov, K.V., Aronov, D.M. - Gasoline filtration in the fuel system of motor vehicles. p. 11.
Syrkin, P.E., Dokukin, IU.I. - Development of the designs of crankshaft rear end packing of the GAZ engines. p. 13.
Levin, I.A. - Efficient degree of differential locking for multidrive motor vehicles. p. 14.
Petrov, V.A., Nazarko, S.A. - Investigating automatic adjustment of a V-belt transmission. p. 18.
Gebel', I.D. - Determining optimum distance of the nozzles of a reaction centrifuge from the axis of rotation. p. 22.
Pospelov, B.S. - Improved free-wheeling mechanism of the automatic transmission of a motor vehicle. p. 24.
Lebedev, F.K. - Investigating the wear resistance of polytetrafluoroethylene. p. 28.
Gushchin, IU.S. - Hydromechanical transmission of heavy-duty dump trucks. p. 29.
Lur'e, M.I., Aleshin, V.V. - Selecting optimum angles for the alignment of rear wheels of the "Zaporozhets" automobile by testing on a stand with running drums. p. 33.
Egorov, L.A., Rozanov, V.G. - Analyzing technical characteristics of single-stage piston compressors for motor vehicles. p. 34.
Sidnev, R.D. - Modernization of special machine tools for machining races for angular velocity hinges of a front axle. p. 40.
Vaisman, IA.M. - New methods for manufacturing sun visors. p. 41.
Maslov, P.I. - New method for fastening pinion gears on shaving machines. p. 42.
Smurov, A.M. - Effect of a tooth rim on the parameters of the forging of toothed level gears. p. 42.
Kozhinskii, S.I. - Vibration finishing of parts of motor vehicles. p. 44.
Vvedenskii, T.A. - Semiautomatic line for tire mounting. p. 47.
Soviet inventions on the design and construction of automobiles introduced into production. List no. 2. p. 48.
Avdon'kin, F.N. - "Lubrication of internal combustion engines" by S.V. Ventsel'. p. 48.

BUMAGODELATEL'NOE MASHINOSTROENIE [PAPERMAKING MACHINERY MANUFACTURE]. Issued by Nauchno-issledovatel'skii institut bumagodelatel'nogo mashinostroeniia [Scientific Research Institute for the Manufacture of Papermaking Machinery]. Moscow, no. 11, 1963. Raschet, konstruirovanie i tekhnologiia proizvodstva bumagodelatel'nogo oborudovaniia [Design, construction and technology in the manufacture of papermaking machinery].

Table of contents translated:

Foreword. p. 3.
Elkin, E.I. - Prospects of the development and the geographical distribution of papermaking machinery plants. p. 6.
Savenkova, V.V. - Methodology of the technical and economic justification for the introduction of the new papermaking equipment. p. 10.
Losev, P.P. - Methodology of the technical and economic justification of the modernization of papermaking equipment p. 16.
Katsnel'son, G.N. - New developments in the design of slitters. p. 25.
Katsnel'son, G.N. - General analysis of the paper sheet tension on reeling machines. p. 32.
Katsnel'son, G.N. - Testing in the "Kommunar" Paper Factory of the bobbin slitter manufactured by Yarenberg (German Federal Republic). p. 41.
Katsnel'son, G.N. - Theoretical studies related to the design and construction of supercalendars. p. 44.
Vanchakov, V.M., Dovgaliuk, N.S., Kagan, V.K. - Ways to increase the rigidity of the tubular shafts of papermaking machinery. p. 71.
Lazarova, V.A. - Automatic control of the air pressure and stock level in enclosed type headboxes. p. 76.
Medvedev, V.P., Kharzin, K.A. - Automatically controlled electric driving of the SI-01 cutting machine. p. 79.
Medvedev, V.P., Kharzi, K.A. - Electric driving and automation of the enclosed type U-02 knotters. p. 86.
Mozhaev, N.A. - Improved design of the V-belt transmission. p. 91.
Mozhaev, N.A. - Driving systems for the dryer group and increase of their general efficiency. p. 97.
Shraibman, B.M. - Testing of the automatically controlled electric driving of the B-12 make papermaking machine. p. 104.
Val'shchikov, N.M., Dobrovol'skii, P.P., Chikov, N.I. - Newest types of chippers. p. 124.
Odoevtsev, A.P., TSirel'son, G.I. - Paperboard-making K-07 machinery for the manufacture of the outside box cardboard. p. 140.
Fridman, E.I. - New BD-11 make drum barker with one enclosed section. p. 168.
Shustov, A.D. - Studying the speed regulation system for sections with a dynamoelectric amplifier-generator of the section electric motor. p. 175.
Tyminskaia, S.IU. - Tests in the perforation of stainless steel plates by means of thin diamond disks. p. 216.

Levinson, A.M., Zigberman, D.I., Tyutinskaia, S.IU. - Machine for the dynamic balancing of the rotors of crude mills. p.226.
Tyutinskaia, S.IU., Levinson, A.M. - New developments in the manufacturing technology of dryer drums and granite shafts. p.240.
Svitneva, A.V., Levinson, A.M. - New protective coatings and cements for parts of papermaking [illegible] enclosed section. p.160.
Shulov, A.D. - Studying the speed regulation system for machines with a dynamo-electric amplifier-generator of the [illegible] electric motor. p.275.
Levinson, A.M., Tyutinskaia, S.IU. - Tests in the perforation of stainless steel plates by means of thin diamond disks. p.410.
machinery. p.270.

DNEPROPETROVSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No.30, 1962. Konstruktsiia i remont lokomotivov [Design, maintenance and repair of locomotives].

Table of contents translated:
Bolotenko, N.B. - Foreword. p.3.
Golyshev, V.M. - Working cycles of the cylinders of diesel engines. p.5.
Golyshev, V.M. - Method for determining the stresses in the crankshaft of [illegible] diesel [illegible]. p.17.
Bokharev, [illegible] - Investigating the coefficient of friction, slip, and [illegible]. p.32.
Bokharev, [illegible] - Results of the study of the interaction between the driving wheels of [illegible] and the rails. p.34.
Slutskii, A.A. - [illegible] diesel locomotives with a [illegible]. p.50.
Shaposhnikov, M.I. - Investigating the effect of additives for [illegible] the [illegible] diesel engines. p.52.
Shaposhnikov, M.I. - [illegible] additives to diesel fuels. p.100.
Sharapov, [illegible] - Calculating the [illegible] of the starting [illegible] for the diesel generator of diesel locomotives. p.115.
Bogin, A.A. - Organization of [illegible] and electric locomotives in the [illegible] station. p.131.
Bogin, A.A. - Conditions for the selection of the location of the station [illegible] repair of locomotives [illegible]. p.146.
Kostenko, A.I. - Problems in the improving of the organization and technology of the repair of diesel locomotives operating on industrial railroads. p.137.
Lazarin, [illegible] - Calculation tables and methods for determining and checking the [illegible] brake pressures for the freight system of industrial railroads. p.151.
Kozhevnikov, [illegible] - [illegible] automatic regulation of the [illegible] plates. p.177.
[illegible] - Effect of the [illegible] on the [illegible] wheels for the railroad rolling stock. p.185.
Atakhov, [illegible] - Investigating the [illegible] of steam [illegible]. p.186.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet po [illegible] (State Committee for the Manufacture of Heavy, Power, and Transportation Machinery, Attached to the State Planning Committee of the U.S.S.R.). Leningrad, vol.10, no.2, Feb. 1964.

Table of contents translated:
Large scale chemistry and objectives of the power machinery industry workers. p.1
Kiel', IU.G. - Some special features of the operating process of a Pelton wheel type turbine. p.3
Pchelnikova, V.D. - Optimal outlet angle of an active single-crown stage with small capacity. p.6
[illegible] - Operation of furnaces with pneumatic and mechanical loading devices on different types of coal. p.11.
[illegible], L.S., Landman, A.A. - Modeling of the transmission of an impulse in hydraulic pipes of a turbine control system. p.14.
Borovskoi, IA.F., Pavlov, V.A. - Gas and fuel oil burners with increased range of regulation. p.20.
[illegible], B.M., Markovich, G.E. - Effect of steam bleed through the moisture trap on the moisture removal in the [illegible] and efficiency of a turbine. p.23.
Determination of the indicated horsepower of internal combustion engines using a planimeter. p.28.

Babun, I.A., Dmuratov, IU.L. - Calculation of the intake ports of a screw compressor. p.30.
Rozin, D.P., Lisetskii, V.N., Rurin, P.L. - Hydraulic resistance of KOZ type lift check valves. p.33.
Nikitin, V.I. - Nickel alloy for the runner blades of a high temperature gas turbine with liquid sodium cooling. p.35.
Min'kov, V.N., Trampol'skii, V.D. - Boring of sections in the thrust bearings of hydraulic turbines using a special grouping device. p.39.
Bolotov, B.V., Lurin, P.M. - Study of the motion of fuel in a hammer mill using a model. p.41.
Gal'perin, M.I., Rudnik, A.G. - Special features in the installation of hydraulic power equipment in the Volga Hydroelectric Power Station (22d Congress of the CPSU). p.43
Osherov, B.IA., Dergach, V.F., Liberman, M.N. - Determination of thermodynamic indices of gas turbine systems. p.46.
Collection of papers No.8 of the Leningrad Metal-working Plant (22d Congress of the CPSU) "Properties of materials used in turbine manufacture and methods for testing them" published by the State Scientific and Technical Publishing House of Literature on Machinery. p.48.
Arkhipov, V.V. - K-250-61-2 centrifugal compressors. p.49.

Vol.10, no.4, Apr. 1964.

Table of contents translated:
Kirillov, I.I., Kirillov, A.I. - Characteristics of turbine stages in a wide range of u/C_0 numbers. p.1.
Pashtukhov, M.M., Kostenko, V.N. - Even distribution of steel along the profile of the gas [illegible] of a turbine. p.6.
Kostakovskii, [illegible] - Double-flow main steam supply line. p.8.
[illegible] - Calculation of hydraulic axial forces acting on the rotor of a hydraulic unit in nonstationary operation. p.12.
Shatalov, [illegible] - Power limit of gas turbines with [illegible] cycle. p.14.
[illegible] - Engineering method for designing shaft-type turbine distributors. p.17.
[illegible] - Vibration of the turbine blades of turbocompressors. p.23.
Kal'[illegible] - Effect of the milling of the [illegible] and [illegible] on the flexure and critical speed of a turbine rotor. p.26.
[illegible] - Operation of superheaters from austenitic steel in boilers with 130 atm. and steam temperatures from 565 to 580° C. p.30.
[illegible] - Drilling of deep holes in components from heat resistant steel. p.33.
[illegible] - Built-up welding [illegible] using [illegible]. p.36.
[illegible] - Comparison of the [illegible] gate mechanisms of hydraulic turbines. p.37.
[illegible] - Exact and approximate method for calculating thermodynamic functions in various parts of the indicator diagram. p.40.
[illegible] - Direct start of the [illegible] 1500 electric motor with a [illegible] compressor. p.43.
[illegible] - Calculation of the mechanism of rotation of a blade with rolling bearings. p.44.
[illegible] - Present day packing materials and packing techniques. p.46.
[illegible] - Concerning A.V. Lyubovskii's book "Fuel atomization processes in diesel jets". p.47.
Gal'perin, M.I. - Helical chambers of hydraulic turbines for the Krasnoyarsk Hydroelectric Power Station. p.48.

MEKHANIKA, periodicheskii sbornik perevodov inostrannykh statei [MECHANICS. Translations of Foreign Articles]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol 15, no. 2(84), 1964.

MOSCOW. ENERGETICHESKII INSTITUT. Trudy [POWER ENGINEERING INSTITUTE. Transactions]. No.39, 1962.

Table of contents translated:
Thirtieth Anniversary of the Department of Electrical Engineering. p.5.
Petrov, G.N., Chen', [illegible], Sergeenkov, B.N. - Theoretical principles of the design of electric transformers with even controlled voltage regulation. p.29.
Ch[illegible], [illegible], Lopukhina, E.M. - Optimum parameters of motors with hollow rotors. p.55.
[illegible], F.A. - A case of self-excitation of an amplidyne. p.62.
Mikhailov-[illegible], M.S., Alekseev-[illegible], B.N. - Calculation of the magnetic circuit of a synchronous machine. p.63.

Tokarev, B.F., Dodonov, A.V. - Choice of an optimum relationship between the armature windings of the "Magnovol't" amplidyne. p.69.
Tishchenko, P.A. - Means for increasing the reliability of large d.c. machines. p.81.
Lynov, N.E. - Use of spheroidal coordinates in the solution of two spatial problems in the theory of thermal conductivity. p.91.
Iul', B.K., Devlin-Oglu, G.N. - Calculation and experimental study of the inductive system of a time relay. p.101.
Taev, I.S. - Calculation of the parameters of an a.c. arc-quenching lattice. p.135.
Lipman, R.A. - Comparison of transistorized relays with collector and emitter feedback. p.139.
Shilin, N.V. - Operation of the arc-quenching devices of high-voltage oilfilled switches. p.149.
Barybnikova, R.A. - Choice of a magnetic circuit for a choke-coupled magnetic amplifier. p.163.
Nakatov, V.F. - Operation of trigger circuits using cold-cathode TKh-3B and TKh-4B tetrodes in automatic control systems. p.175.
Shopen, L.V. - Method for calculating magnetic logical elements using two-cycle shift transformer register stages. p.187.
Balagurov, V.A. - A.C. generators with permanent magnets using new types of magnetic materials. p.207.
Galteev, F.F. - Parallel saturable reactors in voltage regulatory systems of a.c. generators with permanent magnets. p.233.
Gasparian, L.A. - Calculation of magnetic amplifiers with feedback and minimum weight displacement. p.241.
Mamiaev, N.Z. - Special features in the design of automobile and tractor starter motors. p.257.
Orlov, I.N. - Hysteresis motor as a synchronous machine with magnetic excitation. p.275.
Galteev, F.F., Morozov, V.G. - Capacitive regulation of the voltage of a.c. generators with permanent magnets. p.291.
Galteev, F.F., Safonov, L.N., Larionov, V.G. - Construction small servo system with a high speed magnetic amplifier. p.303.
Romanskii, [illegible], Roslin, [illegible] - Construction of the characteristics of a choke controlled drive. p.311.
Privezentsev, V.A. - Winding wire with exceptionally high heat resistance. p.325
Martsin, M.I. - Calculation of thermal stability and drive voltage of a high-voltage cable. p.341.
Khodolepi, [illegible] - Oxidation of aluminum wires at high current densities. p.357.

No.49, 1963. Promyshlennaia teploenergetika [Industrial thermal power engineering].

Table of contents translated:
Verts, M.I., Gusev, V.A. - Problem concerning the mathematical simulation of thermochemical processes accompanied by phase transformations. p.7.
Leonchik, B.I. - Analysis of energy and mass transfer in the vertical chambers of pulverizing drying apparatus and cyclone scrubbers. p.15.
Kolach, T.A. - Distribution of functional temperature difference between the stages of a uniflow evaporating system. p.23.
Raikin, D.V., Levachev, A.G., Petrochenko, IU.N. - Automation of the evaporator stations of chlorine plants. p.31.
Grigor'ev, V.A. - Study of heat transfer during the cooling of a liquid moving through horizontal tubes. p.45.
Kolach, T.A., Vredenskii, IU.G. - Study of heat transfer during boiling in vertical tubes. p.53.
Zenkevich, V.B. - Evaluation of a random error of a thermophysical experiment. p.67.
Sargsain, Zh.F. - Condensation of steam from a steam-gas mixture. p.73.
Isaev, V.S. - Potential transmission of clays from different deposits. p.85.
Brodianskii, V.M., Grachev, A.B. - Cooling of liquefied gases by evacuating the vapor space. p.97.
Korneichev, A.I. - Determination of the equivalent power of a condensing electric power plant in the comparison of alternatives for separate and composite power distribution networks. p.103.
Sokolov, IU.P. - Thermal calculation of the variable operation of single-pipe heating systems. p.107.
Zlatopol'skii, A.N., Prusner, S.L. - Perspective load graphs of a steam power plant and effect of the operating modes on the selection of the parameters of steam turbine systems. p.119.
Sokolov, E.IA., Dmitriev, I.V., Zakatova, M.S. - Methods for calculating the variable operation of heat supply to subscribers. p.133.
Martynov, A.V., Brodianskii, V.M. - Separation of gas mixtures in a vortex tube. p.146.
Bazhenov, M.I. - Steam-jet compressor for the Magnitogorsk Metallurgical Combine. p.151.
Sidel'kovskii, L.N., Troiankin, IU.V., Sharygin, A.P. - Study of an industrial cyclone chamber with supply of the raw material through the lower section. p.159.
Sharygin, A.P. - Features of high-temperature roasting of sulfide ores. p.173.

Sidel'kovskii, L.N., Shurygin, A.P., Pushkarskii, S.M. - Use of a cyclone system for obtaining a high-quality weighting compound for drilling mud from pyrite cinders. p.187.
Martynova, O.I., Simanovskaia, B.N., Belova, Z.S. - Removal of soluble products of ion-exchanger materials from desalted water. p.201.
Belova, Z.S., and others. - Study of the electrolytic properties of NaCl and KCl solutions in water vapor with high and supercritical parameters using an electric conductivity measurement technique. p.211.
Davydova, L.V., Martynova, O.I. - Study of the prospects of using polyelectrolytes for removing organic impurities from water. p.219.
Study of the solubility of cobalt compounds in boiling water at 185 atm. pressures. p.227.

No.53, 1964. Vychislitel'naia tekhnika [Computer engineering], no.2.

Table of contents translated:
Gorbatov, V.A. - Frequency matrix of relationships and its application. p.5.
Pospelov, D.A. - Implicative logic and its use in circuit synthesis. p.31.
Poliakov, A.K., Frolov, A.B., Shigin, A.G. - Study of prospects for creating an input device for an analog computer using electroluminophors. p.43.
Strekalov, G.A. - Use of a composite technique in the recognition of images. p.55.
Surgucheva, M.V. - Input impedance of a transistor in a large signal operation. p.79.
Piatkin, V.P., Shigin, A.G. - Information nets of concepts and of the structure of a teaching process. p.89.
Pospelov, D.A. - Some mathematical problems arising in the simultaneous operation of several computers. p.97.
Malushinskii, IA., Pospelov, D.A. - Method for separating independent bits in a program system. p.111.
Pospelov, D.A., Piatkin, V.P. - Minimization of logic algebra functions using present-day analog computers. p.117.
Kuz'min, I.A., Fal'k, V.N. - Analysis of the reliability of logic nets with operation independent with respect to time. p.133.
Fal'k, V.N. - Concerning a certain class of ferrite-transistor circuits. p.141.
Shlykov, F.M. - Use of the similitude theory in generalized electrical modeling of an electric drive. p.153.

MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. No.169, 1963. Issledovanie i usovershenstvovanie uzlov i agregatov teplovozov [Analysis and improvement of diesel locomotive subassemblies and units].

Table of contents translated:
Ioannisian, A. - Foreword. p.3.
Panov, N.I., Tret'iakov, A.P., Korolev, N.I. - Selecting the efficient parameters and designs for the oil cooling radiators of diesel locomotive diesel engines. p.4.
Panov, N.I., Tret'iakov, A.P., Kravets, Z.I. - Investigating the shortened standard sections of the cooler for the TGK2 switch diesel locomotive. p.16.
Ivanov, V.N., Il'in, A.I. - Norms for the supplying of the 2D100 diesel locomotive with fuel system parts. p.28.
Ivanov, V.N., Il'in, A.I., Skepskii, V.N. - Calculating the norms for the supplying of the ChME2 diesel locomotive engine with plunger pairs. p.43.
Lebediuk, G.K. - Design of the plunger pairs of diesel engine fuel pumps taking the accumulating properties of the packings into account. p.52.
Lebediuk, G.K. - Distribution of pressures and leaks in the cam packing clearance of the slide valve part of the fuel pump plunger pairs of internal combustion engines. p.63.
Lebediuk, G.K. - Selection and control of the delivery characteristics of nozzles. p.73.
Makhan'ko, M.G., Tret'iakov, A.P., Kravets, Z.I. - Analyzing the external coefficient of heat transfer by the corrugated surface of diesel locomotive coolers. p.81.
Kravets, Z.I. - Pressure charging of diesel locomotive engines. p.93.
Rudaia, K.I., Lisitsyn, E.V., Kostromin, A.M. - System for the additional regulation of the diesel generator plant of diesel locomotives with the use of semiconductors. p.106.
Kuz'mich, V.D. - Thermal design of the electric traction machine armature for diesel locomotives. p.115.
Kuz'mich, V.D., Solodilov, V.IA. - Investigating the louvered grids and screen filters for the protection of the main generators of diesel locomotives against atmospheric moisture. p.145.
Kuz'mich, V.D., Solodilov, V.IA. - Development and field tests of the air filter for the main generator of the TE3 diesel locomotive. p.156.
Beliaev, A.I. - Nature of the wear of the lining of motor axle bearings. p.161.
Tiutiunnikov, V.S. - Starting system of diesel engines for locomotives with hydraulic drive. p.166.

No.170, 1963. Voprosy avtomaticheskogo regulirovaniia dvizheniia poezdov na zheleznykh dorogakh [Automatic traffic control on railroads]

Table of contents translated:
Bryleev, A.M., Pugin, D.K., Dmitrenko, I.E. - Station apparatus of a system for automatic space interval control of train traffic using radio channels. p.5.
Khudov, V.N. - Interference rejection in the reception of remote control signals. p.19.
Dmitrenko, I.E. - Computing system for determining the distance between trains. p.33.
Bryleev, A.M., Pugin, D.K., Dmitrenko, I.E. - Tracking device of a system for automatic space interval control of train traffic using radio channels. p.57.
Pugin, D.K., Savushkin, A.K. - Locating trains during runs. p.71.
Kazakov, A.A., Makarov, V.I. - Block-type semiautomatic pulse-relay block system. p.91.
Bryleev, A.M., Shishliakov, A.V., Neneov, I.Kh. - Frequency-code automatic block system. p.105.
Novella, E.A., Masliukova, O.A. - Design of track circuits. p.119.
Novella, E.A. - Some problems in the design of track circuits. p.137.
Kravtsov, IU.A. - Method for designing track circuits taking into account electromechanical effects. p.149.

No.176, 1963. Voprosy gidravliki otkrytykh rusel, truboprovodov i dvukhkomponentnykh sred [Hydraulic problems of open channels, pipelines, and two-component media].

Table of contents translated:
Foreword. p.3.
Zhelezniakov, G.V. - Relative deficit of the mean velocity of unsteady open flow. p.5.
Zhelezniakov, G.V. - Methods of calculating flood waves. p.15.
Vinogradov, M.I. - Deformation of straight canals in sandy soils. p.26.
Matveev, K.V., Moromov, V.S., Volchenkov, G.IA. - Power damping and erosion in tailrace culverts. p.34.
Levin, B.M., and others. - Study of the loss of head in hydraulic conveying of microgranular material along horizontal pipes. p.53.
Tolcheev, K.I. - Hydraulic resistance of vinyl plastic pipes. p.59.
Kvitkovskii, IU.V. - Hydraulic resistance of evenly bent pipes. p.61.
Kvitkovskii, IU.V. - Preliminary results of the study of the flow of fluids in a field of centrifugal forces. p.64.
Levin, B.M. - Effect of bend on the reading of a measuring diaphragm. p.76.
Levin, B.M., Droviannikova, V.I., Kadykov, V.T. - Measuring low velocities of water currents by photography. p.86.
Levin, B.M. - Measuring the flow rate of hydraulic fluid with pipe bends. p.91.
Kvitkovskii, IU.V., Beilin, V.I. - Determining the possibilities and expediency of parallel joining of pressure lines. p.95.
Levin, B.M. - Optimal intake conditions of suction dredging machinery. p.100.
Smolenskii, L.A., Zhivotovskii, L.S., Karlin, B.I. - Study and calculation of hydraulic cyclone sand classifiers. p.108.
Smolenskii, L.A. - Study of the operation of a hydraulic cyclone in a saturated regime. p.126.
Levin, B.M., Droviannikova, V.I. - Study of the hydrodynamics of flow in horizontal hydraulic sand classifiers. p.130.
Levin, B.M., Droviannikova, V.I., Zazhurilo, T.I. - Study of the process of the precipitation of monodispersed suspensions in small concentrations. p.144.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'NOGO I DOROZHNOGO MASHINOSTROENIIA. (Trudy) [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF CONSTRUCTION AND ROAD MACHINERY BUILDING, (Transactions)]. Vol.32, 1963. Issledovanie drobil'nogo-obogatitel'nogo oborudovaniia [Investigation of crushing and ore dressing equipment].

Table of contents translated:
Bauman, V.A. - Method of calculating the technological process of classification on vibrating grizzlies. p.3.
Logak, L.I. - Investigating an experimental jaw crusher with two movable jaws. p.10.
Stepanov, L.P. - Determining the technological parameters of vibrating grizzlies. p.32.
Ermolaev, P.S. - Investigating the mechanical parameters of horizontal vibrating grizzlies. p.51.
Ermolaev, P.S., Zakharova, T.A. - Creation of automatic discharge arrangements on multiple compartment hydraulic classifiers. p.73.
Ermolaev, P.S. - Results of investigating a multiple compartment hydraulic sand classifier. p.92.
Zakharova, T.A. - Effect of variable conditions of classification on the performance of a multiple compartment hydraulic classifier. p.117.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No.277, 1964. TSvetnye metally i splavy dlia zheleznodorozhnogo transporta [Nonferrous metals and alloys for railroad equipment].

Table of contents translated:
Zolotarskii, A.F., Vlasov, V.I. - Preface. p.3.
Busho, N.A. - Promising antifriction materials for diesel locomotive bearings. p.5.
Busho, N.A., Dvoskina, V.A., Toropchinov, A.N. - Evaluating the properties of bearing alloys operating with various lubricants and cast iron and steel rollers (journals). p.16.
Sevast'ianov, S.I. - Effect of various factors on the efficiency of main and crankpin bearings on 2D100 diesel locomotives. p.44.
Dvoskina, V.A. - Effect of lithium on the properties of calcium babbitt. p.61.
Rakov, K.M. - Manufacture of bimetal strips with aluminum-tin alloys. p.72.
Semenov, M.E. - Technology of manufacturing a cast bimetal for heavy-duty bearings. p.82.
Babaev, N.K. - Fitting in their seats monometallic bushings and aluminum alloy inserts. p.89.
Vozdvizhenskaia, L.S. - Dimensional tuning of aluminum alloy bearings. p.97.
Senatorov, V.A., Zaichikov, A.V. - State of the solder of traction motor collectors. p.110.
Busho, N.A., and others. - Resistance of soldered joints under the effect of cyclic heating by an electric current. p.117.
Achkasov, L.G., Zaichikov, A.V. - Stress rupture strength of soldered joints at high temperatures. p.126.
Zaichikov, A.V., Senatorov, V.A. - Technological characteristics of soldering collectors on electric locomotive traction motors. p.135.
Beront, V.IA. - Structural changes on the friction surface of contact wires and plates on pantographs. p.144.

*PRIBOROSTROENIE [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po priborostroeniiu, sredstvam avtomatizatsii i sistemam upravleniia pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Instrument Manufacture, Means of Automation, and Control Systems, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no.3, Mar., 1964.

Table of contents translated:
Gavrilov, A.N. - Participation of voluntary organizations in the realization of scientific and technical development in the instrument industry. p.1.
Shtamberger, G.A. - Measuring the components of a complex voltage by means of a quasi-compensatory circuit. p.4.
Drozdov, S.S., Mosolova, V.V., Nikushkin, A.I. - Thermistor temperature compensation for a salinometer. p.7.
Kozhukh, V.IA. - Precision of temperature measurements with semiconductor thermistors. p.9.
Lipman, R.A. - Ferrotransistor time element. p.10.
Angeli, A.I. - Photoelectric proportioning device. p.12.
Zhestkov, V.A. - Combined time relay. p.13.
Kalinin, N.V., Litovinskii, A.K. - Technological characteristics of the process of cold rolling of low-module gear wheels. p.14.
Stepanian, A.G. - Precision of body parts of instruments. p.18.
Kruglov, G.A. - Polishing of journals and teeth of watch trains. p.20.
Mkrtychev, A.A. - Comments on D.S. Sotskov's article. p.22.
Shatalilo, S.A. - Modernization of the EMP-209-M2 recording instruments. p.23.
Pen'kovskii, G.V. - The P561 measuring capacitor box. p.24.
Loginov, V.E., Novikov, N.N. - Method for reducing the film feed speed in the MPO-2 and N-102 oscillographs. p.25.
IUrovetskii, S.B. - Multiple-point relay-pulse temperature control in heat-treating furnaces. p.26.
Boiarchenkov, M.A. - High-reliability magnetic amplifier. p.27.
Veits, A.V. - The first all-Union conference on statistical methods of the analysis and control of quality and reliability. p.28.
Berman, N.R. - The second all-Union scientific technical conference on microconductor and resistance devices. p.29.

Plakhin, IA.D., Shrag, B.I. – On A.N.Kossov's book. p.29.
New books. p.30.
Articles in periodicals published in 1964. pp.31, 3 of cover.
Patents. p.3 of cover.

No.5, May 1964.

Table of contents translated:

Decisions of the February Plenum of the Central Committee of the CPSU and the objectives of the instrument industry. p.1.
Kelmakh, R.IA., Kudriavtsev, V.I. – Automatic spectropolarimeter. p.4.
Petrov, I.E. – New method for measuring the density of various liquids and solutions. p.6.
Grinberg, G.D., and others. – The [illegible] noncontact telecontrol system for [illegible] automation. p.8.
Abrashina, I.I., and others. – Semiconductor [illegible] for analog-to-digital voltage converter. p.12.
Shakhov, V.P. – Nonlinear converter for mathematical simulation of the operation of digital automatic systems. p.13.
Zakomaltsev, V.P. – Using autocollimators in the instrument industry. p.15.
Arafonov, E.D., Shkolov, P.M. – Problems in the determination of instruments required by the national economy. p.17.
Galperin, I.A. – The PKU precision miniature piezoquartz transducers for vibration acceleration. p.19.
Efimov, D.V., Romanov, B.M. – Using ZAPR regulators at the Novosibirsk Heat and Electric Power Plant no.4. p.22.
Shilkovtsev, A.P. – Device for checking the parameters of the RRT-P20 regulator. p.24.
Zhivov, V.I. – Method for selecting identical samples of [illegible] from a general lot. p.24.
Gelfin, [illegible] – The APP-D-02 automatic programming unit. p.27.
Paradiilo, A.P., Vorontsov, V.A. – Toroidal magnetoelastic stress transducer. p.28.
Dashkevich, [illegible] – Unit for testing electronic tubes [illegible]. p.27.
Kostina, E.D., Fomichev, [illegible], [illegible] – Winding spiral wire resistive elements. p.27.
Fedorovskii, [illegible] – The [illegible] switch. p.28.
Zaitsev, [illegible] – Laboratory furnace for [illegible]. p.28.
Kovalevskii, [illegible] – New [illegible]. p.29.
[illegible] – "Theory of [illegible] systems" by [illegible]. p.30.
Articles from periodicals. p.31.

PRYKLADNA MEKHANIKA [APPLIED MECHANICS]. Issued by Instytut mekhaniky Akademii nauk URSR [Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.10, no.3, 1964.

Table of contents translated:

Kovalenko, A.D. – [illegible] analytical solutions for the shells of revolution. p.227.
Petrov, V.V. – Stability of shallow shells subjected to the action of forces applied along the contour. p.237.
[illegible], L.G. – Differential equations for the elastic equilibrium of shells of revolution with [illegible] under forces and temperature loads. p.254.
[illegible], V.M., Shcherbatseva, [illegible], [illegible] – Stress distribution in a spherical shell with a hole the edge of which is reinforced with an elastic ring. p.259.
Shevchenko, [illegible], Pelekh, [illegible], Voroporesko, [illegible] – Torsional breaking test of thin-walled channel bars in elastoplastic state. p.271.
Panshev, [illegible] – Effect of the eccentricity of force application on the value of limiting load of a frame. p.281.
Moroshevskyi, V.I., Chepurnenko, V.L., [illegible] – Applying Green function to the solution of the mixed problems for a semispace in the theory of elasticity. p.291.
Kerpan, IA.M., Krylitskyi, D.V. – Axisymmetric problem on the pressure of a flat circular stamp on an elastic semispace in the presence of cohesion. p.297.
Rer', O.M. – Plane problem in the theory of elasticity of a cylindrically orthotropic solid for noncircular areas. p.305.
Kar'ko, V.M. – Using the averaging method in investigating dynamic stability of a vibrating system with arbitrarily variable parameters. p.310.
Shestopal, L.N., Sava'ka, [illegible] – Nonlinear plane deformation of an elastic space with a sealed-in circular cylinder. p.317.
Krylov, A.IA. – Calculating the stressed state of a gravity dam with a large opening. p.321.
Petrenko, M.P. – Perturbation waves in plates of variable thickness subjected to longitudinal vibrations. p.327.
Savin, H.M., Pen'kov, O.M. – "Strength of materials" by H.S.Pysarenko and others. p.341.
Strel'bytska, O.I. – The Second All-Union Congress on Theoretical and Applied Mechanics. p.343.
Horoshko, O.O. – Work of the section of dynamics of the seminar on mechanics at the Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. p.345.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964. (This journal is also issued in parts).

REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENNEGO SGORANIIA (Otdel'nyi vypusk [illegible]) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue [illegible])]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964. (This journal is also issued in parts)

REFERATIVNYI ZHURNAL: STROITEL'NYE I DOROZHNYE MASHINY (Otdel'nyi vypusk 60) [JOURNAL OF ABSTRACTS: CONSTRUCTION EQUIPMENT AND ROAD MACHINERY (Separate Issue 60)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA I OBORUDOVANIE TSELLIULOZNO-BUMAZHNOGO I POLIGRAFICHESKOGO PROIZVODSTVA (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE WOODPULP, PAPER, AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow. Avtorskii ukazatel' za 1963 g. (Author index for 1963)

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYE MASHINY I ORUDIIA (Otdel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. Nauchno-tekhnicheskii sovet. Biulleten' tekhniko-ekonomicheskoi informatsii [Ministry of Railroad Transportation. Scientific and Technical Council. Bulletin of Technical and Economic Information]. Moscow, no.3(69), 1963.

Table of contents translated:

Completion of the electrification of the Paris-Marseilles trunk line. p.3.
Electric locomotives for operation on three current systems. p.11.
Use of a static model on the network for studying reactive power compensating devices in a.c. traction current supply systems. p.13.
Causes of the refusal by the British railroads to use heavy-duty diesel locomotives with hydraulic drive. p.17.
Running qualities of the Deltic diesel locomotive. p.20.
Gas turbine locomotive operated on pulverized coal. p.25.
Electric braking on railroads. p.27.
Heavy load and special freight cars. p.30.
Tracks of the new Tokaido trunk line for high speed traffic. p.39.
Rapid method of track reconstruction on French railroads. p.54.
"Daylight" lanterns. p.72.
Use of steam drying for the lengthening of the service life of ties. p.76.
Simplified type of a car washing unit. p.80.
Review of the operations of U.S.A. railroads during 1962. p.84.
Length of electrified railroads in foreign countries. p.91.
Brief information. p.93.

STROITEL'NYE I DOROZHNYE MASHINY [CONSTRUCTION AND ROAD MACHINERY]. Organ of Gosudarstvennyi komitet stroitel'nogo, dorozhnogo i kommunal'nogo mashinostroeniia pri Gosstroe SSSR [State Committee for the Manufacture of Construction, Road, and Communal Machinery, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.9, no.3, Mar. 1964.

Table of contents translated:

Decisions of the December Plenum of the Central Committee of the CPSU and the tasks of construction and road machinery building. p.1.
Lel'chuk, A.IA. – The D-380 concrete laying machines for concreting irrigation channels. p.3.
Kalitenko, K.I., Degtev, D.P. – Self-propelled equipment for continuous production of glass-reinforced plastic pipes and their placement in trenches. p.4.
Dvoliansk, M.U., Kratz, B.M. – New field trailer. p.5.
Latochkin, E.D. – The D-565 multi-bucket loader. p.6.
Markovskii, A.V. – Spring and hydraulic absorber in the hydraulic drive of a tractor loader. p.8.
Chudakov, K.P. – Forced tests of machines for durability. p.9.
Fomichkin, B.D. – Results of testing diesels with mechanical transmission and turbine transformer. p.13.
Pravoslavlevich, N.P. – The D-599 rubber-tired roller. p.14.
Rudakov, G.A., Smirnov, V.A., Urevich, A.D. – Automatic finishing operations on facades of buildings. p.15.
Borisov, B.M. – Determining the efficient speed for turning the platform of a single-motor excavator. p.18.
Karabanov, I.I. – Ways of increasing the longitudinal base of a tractor and the metal requirements. p.20.
Martynov, D.V., Rodionov, O.V. – Resistance arising during the scooping of bulky loads by shovel. p.22.
Zasov, I.A. – Models and dimensional series of street-cleaning machines. p.24.

Rysin, V.I. - Machinery for uprooting, collecting, and loading stumps. p. 28.
Bakhmutskii, M.A., and others. - Experimental molding equipment with packet vibration. p. 29.
Zlobin, A.I. - Vibration and roller sifter. p. 31.
Dmitriev, P.N. - New RV-20 flowmeter. p. 33.
Korunov, M.I. - Practices of a group aiding Party and State inspection at the Kovrov Excavator Plant. p. 34.
Kuznetsov, N.D. - Using special contact terminals instead of Ipatov breaking devices. p. 35.
Mitroshin, N.S., Utin, G.IA. - Reconditioning tractor parts of road machinery. p. 36.
Through the pages of foreign publications. p. 37.
Useful book. p. 38.
Through the pages of magazines. p. 38.

Vol. 9, no. 5, May 1964.
Table of contents translated:
Hail to May Day! p. 1.
Al'perovich, A.I. - KB-100 tower crane. p. 2.
Lantsov, V.A. - SP-0,6 crane-hoist for delivering loads through window openings. p. 6.
Zimina, M.A., Mikhailin, G.K., Tarasov, S.M. - New D-612 scraper. p. 10.
Polonskii, M.L., Chernukhin, A.M., Chebotkov, B.G. - Tractor-type rubble layer. p. 11.
Velitskii, I.S., Emzhin, M.N. - New machinery mounted on the "Belarus'" MT3-50 and MT3-52 tractor. p. 13.
Kalashnikov, IU.T., Kaminskaia, D.A., Kraitsberg, M.I. - Electric drive of the ESh-10/60 excavator. p. 15.
Protsenko, V.V. - Calculating conveyor belts for grader-elevators. p. 17.
TSibulin, V.P. - Improving the durability of the four-row roller chain of the E-505 and E-652 excavators. p. 18.
Stramous, M.F. - Economic effectiveness of using polycaprolactam bearings during the repair of excavators. p. 20.
Boltsov, V.I. - Accelerated method of determining the wear of tooth gears. p. 22.
Dudoladov, IU.A. - Crane-pipelayers in foreign countries. p. 24.
Drazhan, F.F. - Technical level of the production of single-shovel excavators in capitalist countries. p. 26.
Balovnev, V.I. - Cutting soils with a curved blade. p. 27.
Gorlushkin, N.N. - Resistance to cutting in frozen ground. p. 29.
Letters to the editor. p. 31.
Logak, L.I. - Improved jaw crusher. p. 32.
Trachun, I.F. - Normalizing the smooth rollers on a rolling machine for coarse milling. p. 35.
New machinery. p. 35.
Popov, A.T. - Experience in organizing mixed crews for the repair of excavators. p. 37.
From the history of construction equipment. p. 38.
An amphibious vehicle for use in swamps. p. 38.
Kuznetsov, N.D. - Replacing valves on a compressor. p. 39.
Through the pages of magazines. p. 39.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], and others. Moscow, vol. 11, no. 3, Mar. 1964.
Table of contents translated:
Mel'nikov, N.K., Zenkis, IA.S. - Means for constructing fuel and power balance of the U.S.S.R. p. 2.
Egorov, V.E. - Study of combustion and heat exchange in the furnace of the TP-15 boiler operating on anthracite culm and natural gas. p. 6.
Ivanov, V.M., Alekseev, A.M., Frenkina, Z.I. - Combustion of gaseous fuel under high pressure in the presence of water and other inert media. p. 12.
Maslov, V.E., Mansurov, V.I. - Mechanism of the interaction of solid particles with the film of a viscous liquid during the cyclone motion of the carrying flow. p. 19.
Golovin, V.N. - Study of the formation of deposits on the screens of TP-90 boilers. p. 23.
Grekov, D.I., and others. - Prospects of using synthetic materials in the manufacture of boilers. p. 28.
Zmachinskii, A.V. - Determination of optimum air heating temperature in single-stage boiler air preheaters. p. 32.
Darovskii, E.T., Veselov, V.T. - Testing of MP-VTI ash collectors. p. 36.
Spiridonov, N.I. - Fuel oil economy of thermal electric power plants. p. 38.
Saburov, B.I. - Experience in the operation of an automatic control system with impulse taking into account O_2 content. p. 43.
Khor'kov, N.S. - Algorithm for the static calculation surface-type air coolers. p. 48.
Tiul'panov, R.S., Shkutov, K.G. - Burning of gas turbine fuel in an experimental GT-700 system. p. 54.
Bliumina, E.IU., Rentennik, S.K. - Use of changeable rotors for seasonal conversion of condensing steam turbines to back pressure operation in central heating systems. p. 58.
Prokhorov, S.A., Levchenko, B.L., Romanchik, K.K. - Change of the axial gaps of the VK-100-6 turbine during its operation. p. 61.
Guliaev, V.N., Luzhnov, M.E. - Choice of condenser tube materials. p. 66.
Moiseev, A.A., Zotin, I.M. - Operational performance of EP-184 (TIP EI-713), EI-695R and EP-17 steel. p. 70.
Approximation method for calculating heat exchange during the condensation of steam on a cluster of horizontal tubes. p. 74.
Ratiani, G.V., Shekriladze, I.G. - Experimental study of heat exchange during the transition from laminar flow of a film to wave motion. p. 78.
Amirkhanov, Kh.I., and others. - Study of the isochoric heat capacity of some alkanes. p. 81.
Zenkevich, B.A. - Analysis of experimental data on critical heat currents in forced water flow. p. 86.
Chakrygin, V.G. - Terminal effect and steady temperature distribution in a plate heated in a sector with finite length. p. 88.
Novikov, IA.B. - Some additional factors on the effectiveness of heating from central stations. p. 91.
Kamenskii, S.K. - Engineering and economic comparisons of parameters 170 atm. 538/538° C with supercritical ones. p. 92.
Shimanskii, IU.N., and others. - Measurement of temperature in unsteady thermal processes. p. 93.
Third All-Union Public Inspection of the Fulfillment of Scientific Research Plans and Use of Scientific and Technical Discoveries in the National Economy. p. 95.

Vol. 11, no. 4, Apr. 1964.
Table of contents translated:
Principal dimensions of once-through type boilers for 1500 Mw blocks. p. 2.
Kryzhanovskii, V.A., and others. - Increase of slagless power of boilers operating on coal of the Moscow region. p. 10.
Mironov, S.N., IUdaev, V.G., Ivanov, A.G. - Study of the aerodynamics of furnaces with angularly placed burners and its relationship with the combustion process of ground anthracite culm. p. 15.
Geller, Z.I., Ashikhmin, V.I., Shevchenko, N.V. - Utilization of the existing pressure of centrifugal burners. p. 20.
Afrosimov, V.N., Poliatskin, M.A. - Study of mixing in a model of cylindrical burner with peripheral gas outflow. p. 22.
Blokh, A.G. - Radiation of a luminous sooty flame. p. 26.
Golubev, E.K., Shiriaev, A.A. - ISV-120 evaporator with two-stage steam scrubbing. p. 31.
Kontorovskii, A.Z., Vasiuchkova, K.I., Kuznetsova, T.P. - Aging of some boiler steels. p. 34.
Krutasova, E.I. - Change in mechanical and heat resistance characteristics of boiler steel during cold bending and subsequent long exposures to high temperatures. p. 38.
Lipshtein, R.A., and others. - Effect of the composition of fuel ashes on the vanadium corrosion of metals. p. 42.
Getsov, L.B., Tret'iachenko, G.N., Kuriat, R.I. - Structural strength of the nozzle blades of gas turbines. p. 45.
Zariankin, A.E., Belikov, A.G. - Effect of the form of the rims of a channel in front of the nozzle apparatus on its efficiency with large input overlaps. p. 49.
IAzik, A.V. - Characteristics of a centrifugal gas turbine with variable angle α_1. p. 53.
Vlasenko, I.V. - Dynamic take of the initial temperature of gas T_0 in gas turbine systems. p. 57.
Tret'iakov, P.G. - Calculation of the heating of a turbine housing. p. 60.
Arkad'ev, B.A., Gannitsa, V.M., Poltoratskaia, N.B. - Calculation of the heating of the flange connections of turbines. p. 63.
Amirkhanov, Kh.I., and others. - Study of the isochoric heat capacity of some alkanes in the two-phase region. p. 67.
Al'tshuler, V.S., Klirikov, G.V. - Gasification of high-sulfur heavy liquid fuel under pressures up to 70 bar with derivation of industrial gas. p. 70.
Podobaev, N.I., Kurbanov, F.K. - Effect of oxygen on the protective action of acid corrosion inhibition in hydrochloric acid. p. 73.
Berman, L.D. - Norms on the hardness of turbine condensate. p. 75.
Akol'zin, P.A., Prokhorov, F.G., Man'kina, N.N. - Problem concerning the water cycle norms of thermal electric power plants. p. 77.
Girshfel'd, V.IA. - Large thermal electric power plant operating on lignite. p. 80
International skeleton tables of the thermodynamic properties of water and water vapor. p. 84.
Nakhalov, V.A. - Numerical method for calculating thermal expansion and external loads of complex pipelines. p. 87.
Vukalovich, M.P., Sychev, V.V. - Sixth International Conference on Properties of Water and Water Vapor. p. 92.
Conference of the readers of "Teploenergetika." p. 93.

TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 5, May 1964.
Table of contents translated:
Trepenenkov, I.I. - Measurements of the reliability of tractors and agricultural machines. p. 1.
Velichkin, I.N. - Ways of increasing the reliability and durability of tractor engines. p. 3.
Vakhtel', V.IU., Argunov, L.S., Breinman, F.A. - Mounting stresses in cylinder heads. p. 6.
Lebedev, A.T., Kodenko, M.N. - Device for studying the systems of the automatic control of a tractor with hydrostatic type hydraulic transmission. p. 8.
Michkin, I.A., Kopylov, M.K. - Increasing the reliability of the work of fuel injectors. p. 10.
Boklag, V.M. - Lateral stability of a truck tractor with a hinged frame. p. 12.
Vulakh, G.IA. - Dependence of the work of a friction-type variable speed governor on the operating conditions of engines. p. 13.
Shevtsov, P.P., Kuznetsov, N.G. - Effect of the increase of speed on the efficiency of tractor wheeled propellers. p. 16.
Sysoev, N.I. - Effectiveness of seed separation and its evaluation. p. 17.
Barabash, A.K., Grozubinskii, V.A. - The OKS-4, OA separator for cleaning sugar beet seeds. p. 19.
Derevenko, V.V., Popov, L.S., Kozlov, E.I. - Planetary multiroller ear snapping apparatus. p. 21.
Pogodin, N.G. - Testing the PKF attachment and automatic governor of the feeding of the threshing machine of the SK-4 combine. p. 23.
Bosoi, E.S., Gusurov, V.I., Popov, B.A. - Movement of the knife of harvester cutter bars. p. 24.
Zheleznikov, V.A., Bogomiagkikh, V.A. - Selection of some parameters for "Khersonets" combine. p. 27.
Savin, V.I. - Experimental determination of the aerodynamic resistance of hay and straw stacks. p. 29.
Kusov, T.T. - Elements of the theory and the study of the process of separating potato tubers from clods and stones. p. 31.
Vysotskii, A.A., Kleinman, G.T. - Apparatus for working out the diagrams by the peak method. p. 34.
Chubarin, M.I. - The SUP-4A transplanting machine. p. 33.
Krut'kov, A., Izotov, I.S. - The NSP-600 mobile pumping station. p. 37.
Begidzhanova, A.P., Zil'berg, IU.IA. - Using plastic materials in the tractor industry. p. 37.
Kolotushkina, A.P. - Planning wholesale prices for agricultural machines. p. 39.
Kopylov, M.K. - "Hnflinger"-700AP, a light amphibious unit. p. 42.
Kocherygin, IU.I. - Tractor front loaders. p. 44.
Kolchin, N.N. - Design characteristics of potato sorting machines made in the German Federal Republic. p. 46.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 44, no. 5, May 1964.
Table of contents translated:
Kogan, A.M. - Objectives of the introduction of achievements of chemistry into the machinery industry. p. 3.
Maksimov, L.IU. - Efficient design of cylindrical parts subjected to high internal pressures. p. 9.
Sul'kin, A.G. - Clutches with coiled springs assembled without deforming the elastic member. p. 13.
Gol'man, P.B. - Designing braceless welded crane beams. p. 19.
Zhukov, V.B. - Strength of compression springs loaded with a force exceeding its critical value. p. 23.
Pasutman, B.V. - Effect of coil curvatures on the fatigue resistance of compressed springs. p. 26.
Toroptsev, M.N. - Determining stresses in the bolts of a clamped joint. p. 28.
Gorelik, M.M. - Initial tension in bolts in transmissions. p. 30.

Zakharov, N.N., Ibragimov, V.I. - Designing gear pumps with a hydraulic compensation of the end clearance. p.32.
Khorev, A.I., Moiseev, V.N., Kazakevich, I.I. - Use of BT14 titanium alloy in vessels. p.35.
Dabagian, A.V. - Unit for fatigue tests of large shaft models for hydraulic turbines and hydraulic generators. p.38.
Trus', A.M. - Required supplements to the state standard 9389-60. p.42.
Proniakov, G.S., Nikitina, N.V. - Manufacturing cermet piston rings. p.42.
Shiriaev, V.M., Adamovich, A.V., Azarevich, G.M. - Using the method of pulsed surface hardening for increasing the wear resistance of piston pin bosses. p.46.
Dolinskii, P.A., Sumovskii, B.IA. - Allowed extent of the interlacing of axes of connecting rod heads of a trunk engine. p.50.
Shturman, A.A. - Method for making precise shaping parts of molds for plastic articles. p.51.
Zhadobko, M.D., Kipnis, I.S. - Unit for applying powdery polymer coatings. p.52.
Rogovin, D.A., Stepanenko, F.V. - Improved technology for the preparation of bases for the mounting of running-wheel units of bridge cranes and crane carriages. p.53.
Golovin, G.F. - Surface hardening of machine parts after induction heating. p.55.
Malikov, V.N. - Calculating the errors in machining caused by the wear of cutting tool and the inaccuracy of its adjustment. p.60.
Dikhtiar', F.S. - Calculating the profile of a disk-shaped grinding wheel for relieving form cutters. p.62.
Tolpegin, D.D. - Adjusting readjusting machines and machine tools by test parts. p.66.
Gritsenko, P.F. - Concentration and specialization of the instrument industry in the Ukrainian S.S.R. p.68.
Kruchinin, I.A. - Efficiency of basic trends in the modernization of machine tools. p.71.
Vilkov, G.S., Rusakov, B.I. - Automatic control of the loading of technological equipment. p.76.
Naumov, IU.A. - The fifth scientific technical conference on recent technology for machining gear and worm transmissions. p.78.
Kulik, V.T., Ivanov, V.V. - Problems in the application of algorithms and the use of computing equipment for the control of production processes. p.80.
Vvedenskii, T.A. - "Technical information in Czechoslovakia" by Jiří Toman. p.82.
Butman, G.S., Maslov, M.P. - "Accounting and analysis of the economic activity of a machinery enterprise" by E.T. Astashkevicher. p.83.
New books. p.84.
Author's abstracts of dissertations. p.87.
Review of foreign periodicals. p.88.
Bibliographical lists and cards (to be continued). p.92.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka Ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration for the Protection of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol.7, no.6(73), June 1964.

ZA RULEM [AT THE WHEEL]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol.22, nos.5-6, May-June 1964.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol.46, no.4, Apr., 1964.

Table of contents translated:

Basov, A.V. - Organize efficiently the transportation of freight for agriculture. p.3.
Smetanin, A.I. - Increase the responsibility of railroad traffic officials in the operation of locomotives. p.10.
Kislitsyn, P.I., Svekrovin, A.I. - Advanced methods for the acceleration of car turnover. p.17.
Muratov, P.G. - Basic types of locomotives for the future. p.22.
Volkov, P.S., Maksimenko, I.I. - Put into practice the new developments and advanced technology. p.30.
Teterev, B.K. - Specialization and cooperation are the main conditions for the increase of labor productivity. p.34.
Vtorov, A.K. - Increasing the efficiency of automatic brakes. p.39.
Deviatkov, V.F. - Experience in the operation of cars with roller bearings. p.43.
Krasnobaev, N.I. - Operation of contact-battery trains. p.48.
Shcherbakov, P.D., Kleshch, N.IA. - Some problems of the strengthening of business accounting in railroad divisions. p.51.
Frishman, M.A., Bezruchko, V.S. - Accelerate the solving of the problem of rail fastenings. p.57.
In the Collegium of the Ministry of Railroad Transportation: Concerning the new train sheets and the plan for the making up of trains. p.60.
In the Collegium of the Ministry of Railroad Transportation: Provide for the fulfillment of the plan of industrial production. p.62.
Leonov, A.A., Rudnev, A.A. - New signaling instructions on the railroads of the U.S.S.R.. p.63.
What is new in the Regulations of the Technical Operations? p.66.
Titovich, N.E., Lakeeva, M.A. - Daily shift planning of the work of a railroad division. p.69.
Vizel'man, B.A., Rider, E.IA. - Accelerated delivery of mineral fertilizers. p.74.
Vakulenko, S.M. - Overall mechanization as the base of advanced technological processes. p.78.
Stupchenko, N.T. - Improvement of the work of technical inspection stations. p.82.
Railroad information. p.84.
New inventions. p.85.
Lightweight passenger cars. p.86.
Hundred and fiftieth anniversary of the Railroad Museum. p.87.
Buzanov, S.P., Karpov, A.M. - Automation of classification humps. p.88.
New developments in foreign technology. p.91.
Kreinin, A.V., Ferapontov, G.V. - Merits and shortcomings of a needed book. p.94.

h. MINING & METALLURGY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut metallurgii i obogashcheniia. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Metallurgy and Ore Dressing. Transactions]. Alma-Ata, vol.7, 1963. Metallovedenie i obrabotka metallov davleniem [Metallography and metalworking by pressure], no.2.

Table of contents translated:

Presniakov, A.A., and others. - Causes of structural anomalies and the properties of zinc. p.3.
Aitkhozhin, E.S., Samoilov, V.A. - Rheotropic recovery in zinc. p.19.
Dzhanbusinov, E.A., Dautova, L.I., Presniakov, A.A. - Ordering of copper-palladium alloys in the neighborhood of the Cu_3Pd composition. p.24.
Kasymbekova, K.K., Melikhov, V.D., Presniakov, A.A. - Changes in the structure of magnesium-cadmium alloys during ordering. p.30.
Dautova, L.I., Presniakov, A.A. - Certain characteristics of the recrystallization of ordered alloys. p.36.
Samoilov, V.A. - Anomalies of magnesium properties. p.38.
Presniakov, A.A. - Elements of the theory of the superplasticity phenomenon. p.43.
Presniakov, A.A., Starikova, G.V. - Experimental study of the kinetic congruence between transformation and deformation during the emergence of superplasticity. p.56.
Presniakov, A.A., Starikova, G.V. - Experimental proof of the "recrystallization by deformation" phenomenon. p.61.
Kliuchnikov, IU.F. - Changes in the electric resistance of α-brass in the process of annealing following deformation. p.70.
Kliuchnikov, IU.F., Presniakov, A.A. - Effect of the rate of deformation on the plasticity indices of alloys in the Cu_3Zn range. p.76.
Nysanbaev, G.N., Cherviakova, V.V. - The role of lead in copper alloys. p.80.
Nysanbaev, G.N., Presniakov, A.A., Cherviakova, V.V. Aging of lead α-brass. p.84.
Presniakov, A.A., Dautova, L.I. - Metastability of superlattices. p.89.
Presniakov, A.A. - Effect of plastic deformation on the ordering of alloys. p.92.
Novikov, A.V., Presniakov, A.A., Cherviakova, V.V. - Investigating the aging process in LS64-2 alloys containing silicon by the microhardness method. p.96.
Novikov, A.V., Cherviakova, V.V., Fridman, L.P. - Effect of complex additives on the usefulness of LS59-1 brass. p.101.
Duisemaliev, U.K., and others. - Increasing the technical and economic indices in the rolling of LS59-1 brass with complex additives in industrial conditions. p.105.
Vinnitskii, A.A. - Methods of determining friction forces during rolling. p.112.
Characteristics of friction during rolling. p.122.
Presniakov, A.A. - Special characteristics of plastic friction. p.134.
Kirillov, P.G. - Forming, deformations and forces. p.138.
Kirillov, P.G. - Kinetics of the forming process. p.144.
Chernousova, K.T., Chernysheva, IU.P. - Anomalies in the properties of silicon-nickel bronze. p.161.

ALIUMINIEVYE SPLAVY [ALUMINUM ALLOYS]. Moscow, no.3, 1964. Deformiruemye splavy [Ductile alloys].

Table of contents translated:

Foreword. p.3.
Edel'man, N.M., Fridliander, I.N., Starostina, Z.I. - Investigating the properties of alloys in the system Al - Mg - Si. p.5.
Kutaitseva, E.I., Zhukov, S.L., Butusova, I.V. - Effect of technological factors on the appearance of a macrocrystalline rim in alloys of the system Al - Mg - Si. p.27.
Arbuzov, IU.P. - Properties of welded joints in AD31 and AD33 aluminum alloys. p.36.
Livanov, V.A., Elagin, V.I., Shteininger, V.R. - Effect of beryllium additions on the properties of ductile alloys in the system Al - Mg with 9% Mg. p.46.
Fridliander, I.N., and others. - Regularities of changes in mechanical and corrosive properties and the weldability of alloys in the system Al - Zn - Mg. p.61.
Fridliander, I.N., and others. - Effect of various additions on the properties of alloys in the system Al - Zn - Mg. p.66.
Fridliander, I.N., and others. - Weldable B92 aluminum alloy. p.76.
Arbuzov, IU.P. - Properties of welded joints in the B92 aluminum alloy. p.80.
Zhukov, V.D., and others. - Technology of production and the properties of semifinished products from the highly resistant B92 alloy. p.92.
Rutman, M.M., and others. - Properties of ingots from the B92 alloy. p.105.
Tuliankin, F.V. - Effect of technological factors on the structure and properties of forgings made of the B93 alloy. p.120.
Khol'nova, V.I., Kovrizhnykh, V.G., Elagina, Z.A. - Investigating large-size forgings made of the B93 alloy. p.136.
Fridliander, I.N., Khol'nova, V.I., Elagina, Z.A. - Effect of iron and silicon impurities on the microstructure of the B93 alloy. p.145.
Khol'nova, V.I., and others. - Effect of various conditions of heat treatment on the mechanical properties of the B93 alloy. p.153.
Zakharov, E.D., Dronova, N.P., Nikol'skaia, L.E. - Investigating the diffusion of addition alloy elements in aluminum alloys. p.159.
Romanova, O.A., Fridliander, I.N. - Developing and investigating the heat-resistant forging D21 aluminum alloy. p.175.
Fridliander, I.N., and others. - Selecting a technology and studying the effect of technological factors on the structure and properties of the VAD23 alloy. p.182.
Fridliander, I.N., and others. - Manufacture and investigation of semifinished products from high-strength and heat-resistant VAD23 aluminum alloys. p.194.
Khabarova, O.E., and others. - Characteristics of smelting and casting of the VAD23 alloy. p.201.
Luzhnikov, L.P. - Role of silicon in AK4-type aluminum alloys (group RR). p.209.
Kutaitseva, E.I., Filippova, Z.G. - Effect of the conditions of heat treatment on the mechanical properties and surface quality of extruded products made of B95 and D16 alloys. p.216.
Zakharov, E.D., and others. - Volumetric changes of semifinished products made of the B95 alloy in the process of heat treatment. p.227.
Shilova, E.I., and others. - Heat-resistant D10 alloy. p.237.
Kozlovskaia, V.P., Vasil'eva, N.I., Nepomniashchaia, E.Z. - Methods of eliminating the macrocrystalline rim in extruded products made of aluminum alloys. p.251.
Galatskii, B.D., Afanas'eva, I.S., Fridliander, I.N. - Investigating the rate of diffusion of copper, magnesium, and manganese in aluminum depending on the degree of deformation during extrusion. p.263.
Loktionova, N.A., and others. - Ways to reduce warping of large-size parts made of the AK4-1 alloy. p.271.
Davydov, IU.P., Pokrovskii, G.V., Kondrat'eva, N.B. - Mechanical properties and the forgeability of alloys of the system aluminum - magnesium. p.285.
Davydov, IU.P., Pokrovskii, G.V., Kondrat'eva, N.B. - Forgeability of peened magnalium-type alloys. p.300.
Arbuzov, IU.P. - Properties of welded joints in the AMg6 aluminum alloy. p.313.
Fridliander, I.N., Istrin, M.A., Gol'dbukht, G.E. - Utilizing scrap from ductile aluminum alloys. p.326.
Semenov, A.E., Zasypkin, V.A., Gabidullin, R.M. - New methods of refining aluminum alloys. p.330.
Zakharov, E.D. - Changes of crystallization conditions during the continuous casting of ingots. p.339.
Zakharov, E.D., and others. - Causes of the appearance of hot cracks during the continuous casting of highly resistant alloy ingots. p.349.

Kulakov, V.I. - Hot cracking of AB and AMg alloys depending on their chemical composition. p.363.
Zakharov, E.D., and others. - Nonuniformity in continuously cast ingots and its effect on the quality of semifinished products. p.371.
Zinov'ev, V.K. - Accumulation of segregates in AMts alloy ingots. p.383.
Kulakov, V.I., and others. - Quality of flat commercial aluminum ingots cast from molten electrolytic baths. p.390.
Matveev, B.I., Dziubenko, M.I. - Effect of the temperature of ingot homogenizing on changes in the mechanical properties of B95 alloy shapes. p.397.

GAZOVOE DELO [GAS INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.2, 1964.

Table of contents translated:
Zotov, G.A., Tverkovkin, S.M. - Using nonstationary hydrodynamic methods for investigating gas wells in the Gazli field. p.3.
Kashparov, M.M., Nanikov, B.A. - Investigating gas wells. p.10.
Korchazhkin, M.T., Grachev, V.N., Vodianoi, IU.A. - KGV-1 direct-flow flow bean. p.13.
Bobrovskii, S.A. - Analyzing a formula used to calculate high-pressure gas pipelines. p.15.
Kozobkov, A.A., Messerman, A.S., Pisarevskii, V.M. - Mobile laboratory for the combined investigation of piston compressor machinery. p.10.
Smirnov, V.A., Golik, V.G. - Selecting the optimal point for gas pipeline offtakes. p.18.
Kesel'man, G.S. - Present status of anticorrosion protection of gas pipelines. p.24.
Derezhov, S.R., IUdin, S.I., Lykov, IU.N. - Automating and centralizing the control in purification and drying units for the natural gas of the headwork of the Stavropol-Moscow Gas Pipeline. p.30.
Maevskii, M.A. - Unit for supplying consumers with liquefied gas. p.37.
Levin, A.M., and others. - Developing and investigating infrared gas radiators and introducing them into the national economy. p.45.
Konstantinova, N.K., Suslovich, N.L. - Natural gas in the Sahara. p.49.
New mobile unit for the production of channel gas carbon black; Use of liquefied petroleum gas in Italy. New developments in the use of liquefied gases. p.51.
Miscellany. p.54.
Natural gas processing. p.56.

*GEOLOGIIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Geological Committee of the U.S.S.R. and the State Production Committee for the Gas Industry of the U.S.S.R.]. Moscow, vol.8, no.3, Mar. 1964.

Table of contents translated:
Tkhostov, B.A., and others. - Results of geological prospecting for oil and gas in the R.S.F.S.R. for 1963. p.1.
Klevtsova, A.A., Ostrovskii, M.I. - Bathygenic structure and the prospects for finding gas and oil in the Bavly sediments of the Upper Kama Depression. p.10.
Nalivkin, V.D., and others. - New big graben in the east of the Volga-Ural region. p.14.
Dement'ev, L.F. - Mathematical statistics in petroleum geology. p.18.
Kulakov, N.V., Lipovskii, M.A. - Dynamics of the vertical migration of fuel gas. p.21.
Zhelonkin, A.I., Kinzikeev, A.R., Aigistova, S.Kh. - Change in the basic parameters of the oils of certain fields in the eastern part of the Tatar A.S.S.R. and western Bashkiria. p.26.
Chernoukhov, V.D. - Conditions governing the formation of oil pools in the Arlan oil field. p.30.
Tverdova, R.A., Astashova, A.N., Aref'ev, N.V. - Regularities in the change of the properties of oils and bitumens in the Devonian sediments of Volgograd Province. p.33.
Neruchev, S.G., Suvorova, I.N. - Conditions governing the formation of the oil pools in the Upper Cretaceous sediments of the northeastern Caucasus. p.37.
Durmish'ian, A.G., Tamrazian, G.P. - Transformation of the oil and gas pools of the Apsheron Peninsula in connection with its geotectonic development. p.41.
Baleva, Zdislava. - Electrochemical logging of oil wells in Poland. p.46.
Vasil'ev, V.G. - Concerning G.Kh. Abrikosov's book "Oil and Gas Potential of Perm Province. p.48.
Kovaleva, A.A., Fedynskii, V.V. - Problems of oil and gas prospecting; fifth All-Union Scientific and Technical Geophysical Conference. p.51.
Gorin, G.I., Smirnova, M.N. - Scientific session in the Groznyy Petroleum Institute. p.55.

Vol.8, no.4, Apr. 1964.

Table of contents translated:
Ensure the supply of oil and gas raw stock to the chemical industry. p.1.
Klitochenko, I.F., Palii, A.M. - Results of geological prospecting for oil and gas in the Ukraine for 1963. p.4.
Blank, M.I., and others. - Certain regularities in the distribution of oil and gas pools in the Dnieper-Donets Lowland. p.9.
Smelianskii, V.M. - System of fractures in the northwestern sector of the Dnieper-Donets Lowland. p.15.
Polkanova, L.P., Varushchenko, S.I. - Structural-geomorphological analysis of the relief of the Tarkankut-Novoselovka hilly plain of the Crimean steppes. p.19.
Berliavskii, V.I. - Formation of gas pools in the menilite series of the Bitkov oil field. p.21.
Klimenko, V.IA. - Characteristics of the component composition and considerations regarding the genesis of the natural combustible gases of the Dnieper-Donets Lowland. p.25.
Blizniuk, V.F., and others. - Stratigraphic boundaries and oil and gas potentials of the Upper Cretaceous sediments in the Dnieper-Donets Lowland. p.28.
Valeev, R.N. - Zonal confinement of structures in Udmurtia and the northeastern part of the Tatar A.S.S.R. and its effect on the spatial distribution of oil pools. p.35.
Gerasimov, V.G. - Hydrogeological characteristics of the Devonian and Carboniferous sediments of the Menzelinsk-Aktanysh region in the Tatar A.S.S.R. p.39.
Shmais, I.I., Belov, E.V. - Features of the distribution of scattered bitumens in the sediments of the Volga-Ural-interfluve. p.44.
Zinov'ev, A.I. - Recomposition factor of the sedimentary rocks of the Emba region. p.46.
Tumikian, G.G., Ibragimova, S.G. - Recent seismological prospecting data on the tectonics of the Zhdanov region in western Azerbaijan. p.49.
Gorbachev, V.F. - Reinkenhagen; a new oil and gas field in the German Democratic Republic. p.52.
Vysotskii, I.V., Bulalov, N.I. - Useful book. p.54.
Vardiev, V.D. - Problems of prospecting and developing oil pools in fractured reservoir rocks will be solved! p.57.

*GEOLOGIIA RUDNYKH MESTOROZHDENII [GEOLOGY OF ORE DEPOSITS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.6, no.2, Mar.-Apr. 1964.

Table of contents translated:
Mineral resources of large-scale chemistry. p.3.
Dzhedzalov, A.T. - Genesis of the rich iron ores in the Saksagan' belt of the Krivoy Rog Basin. p.6.
Rundkvist, D.V. - Structures and characteristics of the distribution of quartz and rare-metal vein deposits in the eastern slope of the Ural Mountains. p.21.
Tomson, I.N., Konstantinov, R.M., Poliakova, O.P. - Genetic series of ore formations in Transbaikalia. p.38.
Marakushev, A.A. - Analysis of scapolite paragenesis. p.52.
Liakhovich, V.V. - One feature of ore-bearing granitoids. p.70.
Sapozhnikov, D.G. - Current problems in studying manganese deposits. p.85.
Isaenko, M.P. - Some typical mineral associations of copper-arsenic and arsenic ores in the Armenian S.S.R. p.92.
Dmitriev, V.P. - Basic characteristics of the geology of the Zarechenskoye barite-complex metal deposit. p.97.
Atanasov, A.N. - Structural control of lead-zinc mineralization in the Zgid ore field. p.102.
Khel'vas, I.G. - Temperatures of the formation of the Chashly fluorite deposit. p.109.
Romanovich, I.F. - A variant of the genetic classification of talc deposits. p.112.
Naboshchikov, V.P., Kropachev, A.M. - Composition of iron ores in the Glazov syneclise. p.116.
Gladkov, V.G., Namolov, V.A., Sanin, B.P. - Concerning K.S. Taldykina's book on the mineralogy of the Kiichka group deposits. p.119.
Mozgova, N.N., Dobrovol'skaia, M.G. - Second conference on microhardness. p.121.
In memory of the honored scientist N.K. Vysotskii; on the centenary of his birth. p.123.
Grigorii Sergeevich Labazin; an obituary. p.125.

GORNYI ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no.11, Nov. 1963.

Table of contents translated:
Litvinov, I.D., and others. - Development of breaking methods in mines of the "Apatit" Combine. p.3.
Trokskaia, Z.I., Temkin, Z.E., Khetagurov, G.D, Quality of nonferrous metal ores and the profitab ness of their production; discussion of the articl by B.F. Novozhilov. p.7.
Drize, I.D. - Improving planning and stimulating the material interest of mine workers; discussio of the article by A.V. Baranenkov. p.11.
Il'ia, A.S. - Analysis of breaking ore by deep hole p.14.
Infant'ev, A.A., Mitrofanov, A.I. - Experience i deep drainage at the Yakovlevo mine in the Kursk Magnetic Anomaly. p.16.
Kononov, I.V. - Lowering the inrush of ground wat into strip mines by building a seepage barrier. p.22.
Alekseev, F.K., Malyi, I.S., Mordovets, N.S. - Blasting in a compressed medium at the strip mine of the Ingulets mining and ore dressing combine. p.25.
Novozhilov, M.G., and others. - Experience in blasting of high benches at the Krivoy Rog Basin Central Mining and Ore Dressing Combine, p.29.
Ostroushko, I.A., and others. - Improving pneumatic charging of blast holes. p.33.
Veselov, A.I., Zub, M.P. - Mechanism of simultaneously turning blades of axial fan rotors. p.38.
Paisov, I.V., Shukurov, R.I. - Steel for small diameter bore rods. p.41.
Markovich, D.A., Polonskii, R.A. - Manufacturing metallic box-type cross section guides for shafts. p.45.
Pelipenko, V.N., Khmel'nitskii, R.A. - New UKR-UKChM semiconductor apparatus for controlling shaft cage hoisting from the cage. p.49.
Churakov, A.I., Mikhailiak, IU.P., Efimov, V.P. - Production of high-quality concentrates at the IUzhno-Korobkovskaia Ore Dressing Plant of the "KMAruda" Combine. p.50.
Miagkov, M.I. - Some characteristics of the technological plan for dressing magnetite. p.53.
Belash, F.N., Koval'chuk, Kh.U., Pugina, O.V. - Secondary recovery of iron from tailings of the Krivoy Rog ore dressing plants. p.57.
Shchulepnikova, A.G., Zainutdinov, V.N., Podkopae A.I. - Using flame furnaces for heating bore bits for forging purposes. p.62.
Mel'nikov, I.S. - Hole blasting in the presence of a buffer wall of blown up ores. p.63.
Savushkin, A.S. - Reducing the output of oversize o in limestone quarries of the Teploye Ozero cement plant. p.63.
Dorokhovich, A.I. - Cleaning lined mine drainage pipes in the Karabash mines. p.64.
Vedutin, V.F., Voronov, I.S. - Hydraulic blasting method of crushing oversize ore. p.65.
Smagliuk, L.G. - Mechanized unloading of cars on underground hoppers. p.66.
Neshcheret, I.I. - Centralized lubrication of excavators. p.68.
Grebeniuk, V.A. - Results of the operation of automatic ventilation doors. p.69.
Belash, A.S., Kovalev, A.F., Linnik, G.F. - Transportation in Swedish mines. p.70.
Mamaev, G.IA. - Large load haulage equipment in the underground transportation of ores. p.71.
Berkman, I.L., and others. - Single bucket excavator with hydraulic drive. p.73.
Volzhskii, V.M. - Apparatus for determining the roof rock pressure in horizontal workings reinforced by rock bolting. p.73.
Kitkov, P.D., Trutnev, A.P., Mokhnatkin, B.N. - Flexible belt conveyor. p.73.
Scientific and technical conference on blasting high benches. p.74.
Competition for suggestions on reducing the harmful effects of large blasts. p.74.
Titkov, N.P. - Method of dressing iron ores in the Northern Mining and Ore Dressing Combine. p.75.
Petrenko, G.G. - Review of the book by IA.B. Kal'nitskii and M.I. Bogorats, "Scraper equipment for underground working." p.77.
New books on mining. p.78.
Foreign periodical literature. p.79.

No.5, May 1964.

Table of contents translated:
Grishin, G.T., Tiuriakov, A.F., Bogomolov, V.I. - Continuously improve the technical and economic indices of mine operations. p.3.
Nurok, G.A. - Urgent tasks of further developing the theory and technology of hydraulic strip mining. p.6.
Ashitkov, IU.R. - Research by the Mekhanobr Institute on improving the technology of dressing iron and manganese ores. p.10.
Gunbin, N.IA., Koshelenko, V.M. - Growth of labor productivity at the Kirov Mine. p.12.
Plotnikov, N.I. - Predicting hydrogeological conditions during the exploitation of ore deposits. p.14.
Voronin, I.V., Perminkov, B.G. - Results of draining the Sibay strip mine. p.19.
Chaplin, B.N., Mednikov, N.N. - Optimal size of crushing for the hydraulic conveying of original rock in strip mines. p.22.

Gel'man, D.Z., Frenkel', [illegible], Babita, A.M. - Industrial investigation of ore removal from a sloping area of rhomboid shape. p.25.

Shish, D.Z., [illegible] - Results of mining a block under complex mining and geological conditions. p.27.

Bulaev, [illegible], [illegible] - Devices for the fracture of walls in deep-set chutes and selection of a place for their installation. p.29.

Pavakin, V.K., [illegible] - [illegible] with [illegible] in granite. p.34.

[illegible], [illegible] - Jet piercing of [illegible] holes with [illegible]. p.[illegible]

[illegible], [illegible] - [illegible] in medium-hard [illegible]. p.[illegible]

Aleksandrov, [illegible], Andreev, A.G., [illegible], A.V. - [illegible] hydraulic [illegible]. p.40.

Moiseev, A.S., and others. - Machines for jet piercing with a high-velocity [illegible]. p.45.

[illegible], A.I. - [illegible] plane stations. p.51.

[illegible], V.M., [illegible] - Automated electric drilling [illegible]. p.44.

[illegible], [illegible] - [illegible]. p.70.

[illegible], [illegible], [illegible] - [illegible]. p.72.

[illegible], A.[illegible] - [illegible]. p.74.

[illegible], [illegible] - [illegible]. p.75.

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible], [illegible] - [illegible]. p.[illegible]

[illegible]

[illegible]

[illegible] [illegible]. No. 27, 1963. [illegible]

Table of contents translated:

[illegible], [illegible] - The main features of existing [illegible] for exploring and planning strip mines. p.2.

[illegible], I.P. - Methods of calculating and computing profiles of waste disposal dumps. p.5.

[illegible], I.P. - Effect of the composition of rock on the stability of rock disposal dumps. p.17.

Kotrova, N.N. - Effect of rock fracturing on the stability of strip mine slopes. p.23.

Korman, N.N. - Stability of the slopes of Kalinov Log Basin strip mines during underworking. p.28.

Chernyi, G.I., [illegible], [illegible] - Undermining strip mine tracks by underground mining in the Kalinov Log Basin. p.37.

Chernyi, G.I., [illegible] - Stability of the slopes of [illegible] in the [illegible] iron ore deposit. p.42.

Kovalenko, A.A., and others. - Possibilities of using sound [illegible] to determine slope areas presenting a danger of landslides. p.46.

Kolgin, P.V., [illegible], O.A. - Resistance to [illegible] of ore-bearing and overlaying rocks in the [illegible] potash deposit. p.50.

Kapylov, V.I. - Present state and prospects for the drainage of U.S.S.R. strip mines. p.71.

Zhurnov, I.S., Makagin, V.S., [illegible], O.A. - Modeling the operations of [illegible] strip mine drainage systems by means of a Luk'ianov hydraulic integrator. p.82.

Zhuravlev, I.P., Alekhina, T.P. - Practice and possible plans for the drainage of soft overburden materials at the Rozdol sulphur strip mine. p.90.

Golinov, S.A. - Efficient ways of draining the Shevchenko strip mine of the Nikopol' manganese deposit. p.100.

Belan, G.S. - Hydrogeological conditions of the Stebnik potash deposit and the possible effect on them of mining operations. p.117.

Karelin, M.I., and others. - Seismic effect of large-scale blasting on a rock massif. p.126.

Bel'kov, IA.I. - Economic efficiency of mining practices during the underworking of strip mines and surface structures by underground mining. p.133.

LENINGRAD. GORNYI INSTITUT. Zapiski [INSTITUTE OF MINING. Records]. Vol.40, no.2, 1963. Geofizicheskie metody poiskov i razvedki poleznykh iskopaemykh [Geophysical methods of exploring and prospecting for minerals].

Table of contents translated:

[illegible], I.V. - Using the seismic method for studying the deep structure of the Baltic Shield. p.7.

[illegible], I.IA., [illegible], [illegible], [illegible], [illegible] - Deep-seated formations in the Pechenga structural zone according to geophysical data. p.14.

[illegible], I.S. - Refracted seismic waves in the study of the sedimentary section of the Pechenga district. p.[illegible]

[illegible], I.V., [illegible], K.A. - Differentiation of crystalline rocks according to their elastic properties using northern Karelia as an example. p.[illegible]

[illegible], G.S. - Using the reflected wave method [illegible] of the deep structure of [illegible]. p.29.

[illegible], I.[illegible] - [illegible] between tectonic [illegible] the earth's magnetism on the basis of the [illegible] variation principle. p.[illegible]

[illegible], [illegible] - Linear programming in determining [illegible] geological studies. p.51.

[illegible], [illegible], [illegible] - Statistical [illegible] magnetic field [illegible]. p.63.

[illegible], [illegible] - [illegible] part of the Tatarian ASSR (from aeromagnetic survey data). p.75.

[illegible], [illegible], M.[illegible] - Geological interpretation of the [illegible] magnetic anomalies of the [illegible]. p.[illegible]

[illegible], [illegible] - Geological interpretation of the [illegible] of West Kamchatka. p.87.

[illegible], I.M. - Rotating magnetic field method in [illegible]. p.[illegible]

[illegible], V.[illegible] - Modeling a dipole electromagnetic profile. p.[illegible]

[illegible], [illegible] - Selecting the optimal frequency for the exploration of [illegible] ore bodies. p.111.

[illegible], [illegible] - Prospecting depth [illegible] using the induction [illegible] method. p.[illegible]

[illegible], [illegible], and others. - Technical errors [illegible] in mine surveying. p.[illegible]

[illegible] [illegible]. [illegible] [Transactions]. No. [illegible], 1964. [illegible]

MASHINY I NEFTIANOE OBORUDOVANIE [MACHINERY AND PETROLEUM EQUIPMENT]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.3, 1963.

Table of contents translated:

Korotkov, V. - The introduction of an international system of units in the U.S.S.R. p.3.

[illegible], A.IA., Avakov, V.A., Sagramov, R.A. - Method for evaluating the kinematic diagram of the main hoisting mechanism of drilling rigs. p.7.

Arkhangel'skii, V.L. - Effect of characteristics of tire-pneumatic clutch on the turning on of drawworks hoisting shaft. p.13.

Makarov, G.G. - Heat losses in operating pneumatic clutches in draw works. p.17.

Gasparian, G.S. - Use of pneumatic cylinders built into a rotor in deep drilling. p.21.

Verzhbovskii, G.M. - Plant for preparing, weighting, and degassing drilling muds. p.25.

Zgurskii, K.N. - Four-cylinder frictional LE-4 draw works for a gantry crane. p.27.

Chesnokov, N.I., Glumova, E.A., Gilkazov, G.G. - New system for KhL-2M chromatograph operation. p.30.

Krasnozhikov, V.A. - R23/25 electrically driven controllable pump. p.31.

Poliakov, G.G. - TGG-150/600 deep-well manometric thermometer. p.33.

Gadzhiev, M.A. - Electronic commutator for time-division multiplexing of circuits. p.36.

Vartanov, V.B. - Electric sliding sleeve for drilling rigs. p.40.

Vorogai, P.I., Berdli, A.G. - Use of water injection at the inlet of piston compressors to make them more economical. p.43.

Abramian, T.Kh. - Aluminum-alloy valves. p.47.

Aleksandrov, A.A. - Sealing the water holes in the hydraulic casing of drilling pumps with AKR-7 plastic. p.48.

No.4, 1964.

Table of contents translated:

Smotlianinov, V.G. - Unit for completion, flushing, and damping of wells with partial well cave-off. p.3.

Gazarian, G.S., Kuleyn, P.V. - Place for setting the pipe setback in the working area of a drilling rig. p.5.

Bucharov, E.A., and others. - Improved hydraulic systems for the double end packing of centrifugal pumps. p.7.

Zhmuev, P.A., Rotolevskii, IU.M., Ekaler, L.I. - Calculating the optimal width of a packing box for gland cocks. p.10.

Khasnaforov, A.I. - Improving a commercial unit for the investigation of UIPN-3 reservoir oils. p.12.

Il'iasov, V.G., Levin, I.A., Chechin, Kh.I. - Electrically welded pipes used in place of seamless pipes for petroleum refineries and petrochemical plants. p.16.

Kulakov, V.M. - Reducing expenditures on stainless and acid-resistant steels in mixing devices. p.17.

[illegible], B.B. - Automatic control systems for gas and gas condensate fields. p.20.

Zalesskaia, N.B., Vol'fson, B.I. - Heat hardened Kh5M-II pipes. p.28.

IAnchenko, G.G. - Brass cladding the steel pipe grids of heat exchanging apparatus in petroleum refineries. p.29.

Tsybin, B.F., Avaev, A.M. - Repairing the parts of metal cutters using "Bitraksil." p.30.

Rotshtein, V.M. - Causes of damage to pumps in the injection of salt water in flood processes. p.32.

No.5, 1964.

Table of contents translated:

Lagan Bala, M. - Double-cleaned three roller bits. p.1.

Gasanov, M.A., Rogovskii, I.I., Shneiderov, M.R. - Concerning the metal of casing strings subject to perforation. p.5.

Baturin, IU.I. - Equipment for the surface hardening of drill pipes. p.8.

Martynov, IA.S., Berdli, A.G. - Diaphragm drill pump with hydraulic drive of the diaphragm. p.12.

Shiferlauv, B.F. - Corrosion and heat resistant filters for the petroleum, petrochemical, and gas industries. p.16.

Chechin, Kh.I. - Pipes made from Kh23N18 steel in pyrolysis furnaces for hydrocarbon gases. p.22.

Shabalin, A.D. - Improving the floating head of a shell-and-tube heat exchanger. p.26.

Fataliev, M.D., Grishina, V.P., Kuleyn, V.P. - Instrument for recording core formation. p.27.

Epshtein, A.A., and others. - Study of an electric wireless communication channel between the well bottom and the surface. p.28.

Mrugovets, E.T., Repin, N.N. - Portable gas anchor. p.31.

•METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no.4, Apr. 1964.

Table of contents translated:

Varli, K.V., and others. - Hardening chromium-nickel stainless steels with aluminum and titanium during heat treatment. p.2.

Bannykh, O.A. - Electron microscopy of the precipitation of carbides and the decomposition of ferrite in Kh12G14 steel at high temperatures. p.8.

Kovalenko, O.I. - Hardening of chromium-manganese-molybdenum steel with unstable austenite. p.6.

New books. pp. 10, 14, 24, 29, 32.

Getsov, L.D., Albinder, M.S., Barkan, E.M. - Effect of heat treatment on the cold brittleness of stainless steel. p.11.

Tufanov, D.G. - Corrosion cracking of stainless steel. p.15.

Riabchenkov, A.V., and others. - Lasting corrosion resistance of Kh18N10T steel during alternating wetting and drying. p.18.

Riabchenkov, A.V., Velemitsina, V.I. - Chemical nickel plating of chromium nickel austenitic steels. p.21.

Nikiforova, V.M., Kharina, I.L. - Effect of chromium and silicon on the corrosion resistance of low-alloy and siliceous steels in superheated steam. p.25.

Kovalenko, V.S., Zats, E.L. - Effect of zirconium on the corrosion resistance of steel. p.30.

Kudriavtsev, I.V., Savvina, N.M. - Effect of ten-year storage on the fatigue resistance of parts with residual stresses. p.32.

Vorob'ev, V.G., Lokshin, I.Kh., Tiskovich, N.L. - Reduction of internal stresses in aluminum alloy products. p.33.

Dolinskaia, L.A., and others. - Heat treatment of stainless tubes. p.36.

Legeida, N.F., TSeluiko, V.I., Nosov, V.S. - Mechanical properties of St 3kp steel depending on conditions of heat treatment. p.38.

Estrin, B.M., Bass, A.I. - Bright annealing of wire in continuous shaft furnaces. p.40.

Ermanok, M.Z., Tomashevskaia, I.M. - Effect of preliminary cold working on the mechanical properties of hardening D16 alloy tubes. p.43.

Voinich, IA.L. - Nitriding of guide vanes. p.44.

Kalashnikova, M.I., Zot'eva, A.S. - Accelerating nitriding during high-frequency heating. p.46.

Sveshnikov, D.A. - Increasing the fatigue strength of cemented and cyanided parts by shot peening. p.47.

Voitovich, R.F., Lavrenko, V.A. - Oxidation of tungsten-rhenium alloys. p.50.

From the Exhibition of the Achievements of the National Economy. p.51.

High-strength steels used in Japan. p.53.

Effect of small additions of niobium on the properties of manganese steel. p.55.

High-strength steel for watch springs. p.56.

Mechanical properties of stainless steels at low temperatures. p.58.

Heat treatment of products in a fluidized bed. p.59.

Shchapov, N.I., Geller, IU.A. - Answers to letters to the editors. p.60.

Peretiat'ko, M.S. - Review of V.N.Zhuravlev and O.I.Nikolaeva's handbook "Steel for the machinery industry." p.64.

No.5, May 1964.

Table of contents translated:

Building a material and technical foundation of communism. p.1.

Kossovich, G.A., Geller, IU.A. - Structure and properties of molybdenum alloyed rapid steels. p.3.

Chudakovskaia, L.A., and others. - Thermomagnetic quenching of P18 steel. p.10.

Saikina, V.N. - New technology of heat treating rapid steel punch dies. p.13.

Malinina, K.A. - Recrystallization of austenite in rapid steel following hot plastic deformation. p.15.

Malinkina, E.I., Tarubarova, E.V. - Effect of residual austenite on the formation of cracks. p.17.

Drozdovskii, B.A., and others. - Effect of carbon content on the strength of structural sheet steel under the effect of tension. p.21.

Serpik, N.M., Kantor, M.M. - Effect of chromium on the mechanical properties of improved steel. p.28.

Babichev, M.A., Velikanova, A.A. - Effect of manganese content on the resistance of steel to abrasive wear. pp. 30,35.

Supplement: Selection of tool steel. p.31.

Zhurenkov, P.M., Golikov, I.N. - Dendritic segregation of alloying elements in structural steel. p.38.

Klausting, E.A. - Cold resistance of low-carbon steels with a Mo + B complex alloy base. p.40.

Gindin, I.A., and others. - Mechanical properties of structural steels at low temperature. p.44.

Sadkov, A.Z. - Thermoindicators. p.47.

Solodovnik, S.F. - Mechanizing the packing of a heat insulating mass during chemical and heat treatment. p.48.

Zotova, E.V. - Heat treatment of corrosion-resistant chromium-molybdenum steels. p.49.

Andreev, I.V., Gorshkov, V.F., Ditiatkovskii, IA.M. - Effect of a molten metal media on the mechanical properties of steel. p.52.

Kovtun, S.F., Ul'ianov, R.A., Tarasov, N.D. - Metal cladding in vacuum. p.55.

Nazarenko, O.T. - Steel hardening by electron beam. p.56.

Dashevskaia, G.U. - From the Exhibition of Achievements of the National Economy. p.58.

New books. p.63.

MOSCOW. INSTITUT NEFTEKHIMICHESKOI I GAZOVOI PROMYSHLENNOSTI. Trudy [INSTITUTE OF THE PETROCHEMICAL AND GAS INDUSTRY. Transactions]. no.46, 1964. Burenie i burovoe oborudovanie [Drilling and drilling equipment].

Table of contents translated:

Shatsov, N.I., Mats, B.A., Ogolikhin, E.A. - Results of the operation of bits in experimental wells of small diameter in the Sterlitamak geological office of the West Bashkir Petroleum Prospecting Trust. p.3.

Zorin, V.N., and others. - Reduction turbodrill for drilling slim and deep wells. p.27.

Barkan, D.D., Kershenbaum, N.IA., Minaev, V.I. - Vibroshock unit for horizontal drilling. p.34.

Balitskii, P.V. - Dynamic load on a bit in vertical drilling with bottom engines. p.45.

Balitskii, P.V. - Equation for the longitudinal vibration of a drilling string. p.60.

Lipovetskii, A.IA., Daniushevskii, V.S. - Investigating the effect of the reservoir waters of the fields of the eastern regions on hardened cement. p.64.

Lipovetskii, A.IA., Daniushevskii, V.S., Chzhao Pin-khuan [Chao P'ing-Huang]. - Relation between the strength and permeability of hardened cement. p.75.

Solov'ev, E.M., Leonidova, A.I. - Investigating the filtration properties of oil well cements. p.84.

Astrakhan, I.M. - Some solutions of equations for a boundary layer in a viscoplastic fluid. p.94.

Vinogradov, V.N., Shreiber, G.K., Sorokin, G.M. - New steel for the production of bit rollers. p.101.

Gritsaenko, IU.A. - Increasing the efficiency of drilling bits by changing the shape of the design. p.104.

Efremov, N.N. - Increasing the durability of a bit-leg pin. p.119.

Kershenbaum, IA.M., Lesin, A.S. - Certain problems involved in the wear of the parts of a turbodrill pivot. p.127.

Vinogradov, V.N., Antonov, A.A. - Certain problems involved in the wear of metals in abrasive air flow. p.137.

Kuzmak, E.M., Kroshkin, V.A. - Long-term durability of 12MKh and 12Kh1MF tempered steel and welded joints. p.150.

Kuzmak, E.M., Loginov, V.I. - Investigating the stress relief of heat hardened carbon and manganese steels in welding. p.164.

Shreiber, G.K., Kan, A.G. - Residual stresses in the induction surface hardening of steel and nomograms for their determination. p.182.

Kuzmak, E.M., Efremova, K.P., Turkin, IU.S. - Processes reducing the diffusion of a granular solid alloy (a tungsten carbide composition). p.197.

Rubenkova, L.A., Sonkin, E.A. - Mechanical properties of tempered steels for the pipes of pipelines. p.207.

Kershenbaum, IA.M., and others. - Nature of the adherence of a layer of white cast iron to steel on plating by friction. p.213.

Kershenbaum, IA.M., Liudmirskaia, N.G., Averbukh, B.A. - Certain phenomena when building up bronze on steel by means of friction. p.219.

Shreiber, G.K., Arsen'ev, L.N. - Method for testing the fatigue strength of glass-reinforced plastic obtained by winding. p.226.

Krylov, K.A. - Cutting metals using the full power of the machine-tool electric motor. p.235.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT CHERNOI METALLURGII. Otdel tekhniko-ekonomicheskikh issledovanii. Sbornik trudov [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF FERROUS METALLURGY. Department of Technical and Economic Studies. Papers]. No.1, 1963. Tekhniko-ekonomicheskie issledovaniia v chernoi metallurgii [Technical and economic investigations in ferrous metallurgy].

Table of contents translated:

IUdina, L.D. - Brief survey of the expansion of steel smelting. p.3.

Rozhkov, V.A. - Efficiency of using oxygen, compressed air, and superheated steam in the open-hearth process. p.13.

Nikitina, L.I. - Efficiency of the various alternates of open-hearth smelting with an increased oxygen feed. p.34.

Gokhman, I.S., IAzykov, V.S. - Comparing the technical and economic indices of the open-hearth and converter processes operating with an oxygen blow. p.43.

IAzykov, V.S. - Economic effect from the transfer of converters to a heavier charge. p.56.

Rozhkov, V.A. - Efficiency of the continuous casting of transformer steel. p.59.

Rozhkov, V.A., Emel'ianov, A.N. - Economic aspects of the production of commercial-grade oxygen. p.63.

Zusman, L.L. - Preservation of ferrous metals. p.79.

TSvetaev, A.A., Khmelik, E.L. - Efficient use of chips in ferrous metallurgy. p.87.

Gokhman, I.S., TSitrin, M.S. - Methods of evaluating scrap in calculating the efficiency of capital investments in ferrous metallurgy. p.93.

Gokhman, I.S., Vitin, A.G. - Considering the time factor in determining the economic efficiency of capital investments. p.99.

Mitiaev, N.I. - New norms for the amortization of capital assets in ferrous metallurgy. p.118.

Khar'kovtsev, G.N., Emel'ianova, E.N. - Regional differentiation in wholesale prices for ferrous metals. p.129.

Zusman, L.L., Brodov, A.A., Dushak, A.A. - Methods of establishing new sales prices for fe
scrap metals and industrial wastes. p.137.

Khar'kovets, G.N., Makarov, L.P. - Efficient wa
of establishing wholesale prices for blast furnac
slag. p.161.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATE
SKII GEOLOGORAZVEDOCHNYI NEFTIANOI INST
TUT. Trudy [ALL-UNION SCIENTIFIC RESEARC
INSTITUTE OF PETROLEUM GEOLOGY AND PRO
PECTING. Transactions]. No.38, 1963. Materialy
po geologii i neftegazonosnosti IUga SSSR [Materi
on the geology and oil and gas potentials in the sou
of the U.S.S.R.

Table of contents translated:

Preface. p.3.

Solov'ev, A.V. - Recent geosynclines in the south o
the U.S.S.R. p.6.

Burshtar, M.S. - Formation of oil and gas accumula
tions in the Mesozoic carbonaceous sediments of
eastern Ciscaucasia. p.17.

Gurova, A.D. - Stratigraphy of Upper Cretaceous se
ments in Ciscaucasia. p.27.

Kamenskii, A.E. - Tectonics of the Crimean plain.
p.44.

Kamenetskii, A.E. - Lower Cretaceous sediments o
the Crimean plain. p.62.

Mashkov, I.V. - Relation of the basic physicochemi
properties of oils to the time of the formation of
oil accumulations in Kuma Valley. p.84.

Burshtar, M.S., Nikitina, IU.P., Shvemberger, IU.N. - Stratigraphy and conditions governing the formation of the Upper Eocene and Maikop sediments of Stavropol Territory and the Sal-Manych Interfluve. p.89.

Nikitina, IU.P., Shvemberger, IU.N. - Paleocene of the Kuban-Azov Lowland, the Karpinsk swell, and the southern slope of the Voronezh anteclise. p.105.

Nikitina, IU.P. - Correlation of the regional stratigraphic schemes of the Paleogene sediments in the lower Don Basin. p.140.

Sazonova, I.G. - New data on the Lower Jurassic of Ciscaucasia. p.164.

Shutskaia, E.K. - Boundary Eocene and Oligocene layers in Bakhchisaray District and the descriptio
of characteristics Anomalinidae. p.174.

Khatiskatsi, G.N. - Geology and oil and gas potentia
of the Kavtiskhevi region. p.206.

Okromchedlidze, D.P., Motreveli, I.A. - Stratigraph
of the Maeotic stage in western Guria. p.214.

Dzigrashvili, A.T. - Age of Krasnyye Kolodtsy limestone in southern Kakhetia. p.221.

Lazarova, V.M. - Mineralogical composition of Middle Jurassic clay rocks in Daghestan. p.224.

No.40, 1964. Razvitie idei akademika I.M.Gubkina v neftianoi geologii [Developing Academician I.M. Gubkin's concepts on petroleum geology].

Table of contents translated:

Introduction. p.3.

Veber, V.V., and others. - Developing the theories of I.M.Gubkin concerning the origin of oil and the formation of oil fields. p.5.

Kalinko, M.K. - Mud volcanoes, their origin, development, and extinction. p.30.

Maslov, K.S. - Neftegorsk horizon of the lower Maikop in the northwestern Caucasus in the development of I.M.Gubkin's view on the stratigraphic position of "the light-oil horizon." p.55.

Borozdina, Z.I., Kleshchev, A.I., Klubov, V.A. - Dislocation of the crystalline basement and sedimentary cover in the Volga-Ural oil-bearing region. p.66.

Raabon, V.F. - Zoning the Volga-Ural region according to the nature of the spatial distribution of pools and the types of oils, gases, and condensates in the light of the ideas of I.M. Gubkin. p.79.

Botneva, T.A., Maksimov, S.P. - Geochemical investigations of oils and gases in the study of the laws of the spatial distribution of their fields. p.95.

Lazarova, V.M. - Argillaceous minerals of the Tertiary syngenetic oil-bearing series of Daghestan and certain regularities in their distribution. p.120.

Pronicheva, M.V., Zhernakov, P.I. - Possibilities for determining geologic structure from geomorphological data. p.146.

Klubov, V.A. - Development of the ideas of I.M. Gubkin concerning the classification of fuel minerals. p.157.

Sokolin, Kh.G. - Prospecting for oil in the Caspian Lowland as related to the prospecting results obtained in certain other salt-dome regions. p.170.

Botneva, T.A., Kirov, V.A. - Certain regularities in the distribution of oil and gas reserves on the eastern slope of the Voronezh arch. p.182.

Pankina, R.G. - Isotopic composition of the sulfur of the oils and casing-head gases in the Bobrikovo horizon of the Zhiguli and Mukhanovo tectonic zones. p.202.

Mordvin, N.I. - Economic problems in the works of academician I.M. Gubkin. p.211.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MINERAL'NOGO SYR'IA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MINERAL RESOURCES. Transactions]. No. 11, 1964.

Contents: Zherdeva, A.N., Abulevich, V.K. [Mineralogy of titanium placers] Mineralogiia titanovykh rossypei. 237 p.

NEFTEGAZOVAIA GEOLOGIA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS]. Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii insitut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 4, 1964.

Table of contents translated:

Karimov, A.K., Lebzin, E.B., Avazmatov, Kh.V. - Prospects for finding gas and oil in the Darganata region. p. 3.

Gazarian, G.N., Goverdovskii, E.A. - Prospects for finding oil and gas in the Gissar Valley of the Tajik Depression on the basis of geological and geochemical data. p. 8.

Turanov, V.A., and others. - Upper Jurassic sediments in the southern Aral Sea Region. p. 11.

Kozmodem'ianskii, V.V., Nurmanov, A.M. - Preparing regions for prospecting drilling in southern Mangyshlak Peninsula. p. 14.

Vasil'ev, IU.M., Skvortsov, I.I. - Structural diagram of the Mesozoic complex of the Caspian Lowland Region in connection with its oil and gas potentials. p. 16.

Matskevich, M.M., Bobukh, V.A. - Stratigraphic cross section of the Jurrasic sediments of the Karpinsk swell. p. 22.

Pleshcheev, I.S. - Tectonic pattern and the prospects for finding gas and oil in northeastern Usturt. p. 28.

Zor'kin, L.M. - First data on the chemical composition and gas saturation of the reservoir waters of the salt-dome region of the Volga-Ural interfluve. p. 31.

Kudriakov, V.A. - Piezometric minimums as a hydrogeological index of oil and gas potential. p. 35.

Gapeev, V.V., Geiman, B.M. - Prospects for finding gas and oil in the Takhta-Bazar region. p. 40.

Finkel'shtein, Sh.D., Vasil'chikov, M.V. - Density of the sedimentary rocks of the Surkhan-darya depression. p. 42.

Latyshova, M.G. - Precision in the determination of the electrical resistivity of reservoir waters. p. 46.

Doroshenko, V.I., Stolovitskii, B.M. - Possibility of determining the physical properties of rocks by measuring the diffusion-adsorption potentials and the currents caused by them. p. 50.

NEFTEPERERABOTKA I NEFTEKHIMIIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 1, 1964.

Table of contents translated:

Baibakov, N.K. - Chemistry and the petroleum industry. p. 3.

Sredin, V.V. - Units for the hydropurification of gasoline fractions. p. 8.

Teleshova, M.N., Vigalok, R.V. - Separating benzol and toluene from hydrocarbon mixtures using a 13Kh zeolite. p. 13.

Chesnokov, A.A., Shevtsov, A.M. - Significance of intensifying mixing during the final washing of fairly oil-free paraffin in the dewaxing of transformer oils. p. 15.

Denisenko, K.K., Mikhailov, I.A. - Distillation motor oils of adsorption purification from Mukhanovo Devonian oil. p. 17.

Zrelov, V.N. - Energy-producing characteristics of fuels for aviation gas-turbine engines. p. 22.

Zubkova, K.A., Lapitskaia, O.I. - Obtaining acetylene by high-temperature pyrolysis in a pipestill. p. 27.

Kirsanova, R.P., Byk, S.Sh. - Effect of diene hydrocarbons on the drying activity of synthetic zeolites. p. 32.

Telegin, V.G., and others. - Obtaining ditolyl ethane. p. 34.

Chvertkin, A.L. - Drying the inner lining of reactors on catalytic reforming and hydropurification units. p. 39.

Gun, R.B. - Technological and economic effect of the use of a plant chromatograph in a system of automatic control and regulation. p. 42.

Al'perovich, V.IA. - Operation of chromatographs in flow. p. 44.

Plant chromatograph for the quick determination of the fractional composition of gasolines. p. 48.

Comparing the significance of various refining processes in the production of gasolines. p. 49.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 5, 1963.

Table of contents translated:

Korobov, K.IA. - Developing a pool of horizon D_{II} of the Tuymazy oil field. p. 3.

Gudok, N.S. - Use of liquefied carbon dioxide to increase the petroleum yield of limestone. p. 8.

Vartanov, V.G., Chuvanov, O.V. - Use of cermet filters. p. 10.

Fishman, M.P. - New system for gathering and transporting petroleum in offshore fields. p. 14.

Fakhreev, I.A., Dukhovnyy, G.E. - Deep-well flowmeter with an inflated packer. p. 18.

Savchenko, V.I. - Use of the GCH-1 gas meter to determine the gas permeability of rocks. p. 21.

Abdullin, R.A. - MLSh-2 magnetic ball catcher. p. 22.

Guzhnovskii, L.P. - Economic evaluation of change in petroleum recovery as a function of well-network density. p. 24.

Merkushev, O.V. - Exclusion operations in annular-space gas circulation in fields of Sakhalin. p. 28.

Kalinichenko, V.P., Fishman, M.P. - Mast with variable inclination angle for double-barreled wells. p. 30.

Barron, A.N., and others. - Effect of the parameters of acid flow in the fissures of carbonate rocks on the acid activity. p. 33.

Fraser, C.D., Pettit, B.E. - Determination of the nature and direction of a fracture in the hydraulic fracturing based on field data. p. 37.

Godbey, J.K. - New flowmeter for profiling the permeability of rocks. p. 39.

Edwards, J.M., Holter, E.L. - Use of deep-well radioisotope injector in the petroleum industry. p. 41.

Ramey, H.J. - Heat transfer through a well wall. p. 42.

No. 4, 1964.

Table of contents translated:

Shaevskii, IU.I., Usenko, V.F., Portnov, V.I. - Results of investigating wells of the Shkapovo oil field at pressures below the saturation pressure. p. 3.

Sokolovskii, E.B. - Investigating the inflow curves by introducing radioactive tracers into the reservoir. p. 7.

Isangulov, K.I., and others. - Using electric sinking pumps in wells with damaged production casing. p. 11.

Gorepokin, A.D., Khabasakhalov, V.I. - Clearing away sand plugs using aerated fluid with a surfactant additive. p. 13

Salatinian, I.Z., Shubaev, A.M., Bashkirtsev, M.I. - Separating beds with high temperatures. p. 16.

Melanifidi, G.F. - Introducing automatic control into the reagent industry. p. 21.

Sosnov, K.E., Voronenko, A.I. - Telemetering the production of strippers and heavily flooded wells p. 23.

Brodskii, P.A., Isiakaev, V.A. - Selecting a group of pickups for formation testers on a cable. p. 25.

Wiemer, R.F. - Injecting liquefied gas in the Burkett oil field. p. 29.

Lagrone, R.W., Rasmussen, J.W. - New technique for interval hydraulic fracturing. p. 30.

Fields, F.E. - Well equipment for the simultaneous and separate exploitation of two beds. p. 34.

Nelson, R.N. - New pressure control system for wells with low output. p. 35.

NEFTIANOE KHOZIAISTVO [PETROLEUM INDUSTRY]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 41, no. 6, June, 1963.

Table of contents translated:

Brenner, M.M. - Long-term planning of the development of oil and gas production in the U.S.S.R.; a topic for discussion. p. 1.

Osadchuk, E.I., Rapoport, A.N. - Increasing the efficiency in the use of drilling equipment; a topic for discussion. p. 8.

Shturman, L.I. - Basic trends in the development and improvement of power drives for drilling rigs; a topic for discussion. p. 13.

Karnaukhov, L.A., Izmailov, L.B. - Causes of the wear of small-diameter casings. p. 17.

Khangil'din, G.N. - Investigating changes in the volume of cement slurry on hardening. p. 21.

Zhuze, T.P., and others. - Critical parameters for oil and oil-gas systems. p. 25.

Abyzbaev, I.I. - Evaluating the effect of the properties of reservoir fluid and the amount of interstitial water on the recovery factor in depletion drive in the Ishimbay fields. p. 31.

Veshchev, K.P. - Pumping a gas-oil mixture in the simultaneous gathering of oil and gas. p. 36.

Karapaev, B.I. - Effect of NCHK on the removal of oil from waste waters by filtration. p. 38.

Chalkin, K.P. - Tanks for bright petroleum products made from strong concrete having large pores. p. 42.

Tugunov, P.I., IAblonskii, V.S. - Determining the temperature field of the ground around a pipeline in the process of cooling. p. 51.

Shestakov, G.N. - Well-head trough for the installation of PKR-U7 pneumatic spiders separate blocks without hoisting the drilling rig foundations. p. 54.

Tovma, G.V. - Using jet bits based on 2D16S standard box type bits. p. 56.

Give greater attention to the development of instruments for hydrodynamic investigations of reservoirs and wells. p. 58.

Lisichkin, S.M. - Petroleum industry of Australia. p. 62.

Brief news. p. 66.

Ioannesian, R. - Necessary handbook. p. 68-3 of cover.

NOVOKUZNETSK. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-KONSTRUKTORSKII INSTITUT DOBYCHI UGLIA GIDRAVLICHESKIM SPOSOBOM. Trudy [ALL-UNION SCIENTIFIC RESEARCH AND DESIGN INSTITUTE FOR THE HYDRAULIC MINING OF COAL. Transactions]. Issued jointly with Gornyi fakul'tet Sibirskogo metallurgicheskogo instituta [Mining Engineering Faculty of the Siberian Metallurgical Institute]. No. 2, 1963.

Table of contents translated:

Muchnik, V.S., and others. - Automatic shield used for the undercutting of a thin layer from a coal block by means of a strong jet of water. p. 3.

Lavtsevich, V.P., Sal'nikov, V.R. - System of mining steeply pitching seams with the use of stoping machinery with remote control. p. 13.

Zhabin, G.I., Khvoshchevskii, N.M. - Arched shields used for the hydraulic mining of thin, steeply pitching seams. p. 19.

Ivanushkin, V.G. - Testing anchorless wooden rod bolting in hydraulic mine stopes. p. 28.

Ivanushkin, V.G. - Ventilation of stopes by means of a general depression at the Polysaevo-Severnaya hydraulic mine. p. 32.

Zhabin, G.I., Kuprin, A.I. - Studying the geometric parameters of a shielded stope and the power capacity of hydraulic conveying. p. 35.

Kuprin, A.I., Zhabin, G.I. - Studying the parameters of washout and hydraulic conveying of coal in shielded stopes. p. 46.

Shparberg, E.M. - Studying the operation of an AZV-2 mine filling apparatus. p. 66.

Borisov, A.I. - Movement of pulp in vertical pipes. p. 75.

Men'shikov, F.S., Nazarov, P.G. - Ways of improving the dewatering processes of very small coal. p. 96.

Protsai, F.I., Kushnir, V.P. - Selection of efficient operating conditions and productive capacity of hydraulic mines. p. 104.

Negodaev, M.N. - From work practices of laboratories of high-speed motion picture filming. p. 111.

Kuliev, S.M., Kuliev, A.E. - Using Hydraulic giants for the drilling of boreholes. p. 114.

Karpov, G.A. - Hydraulic coal mining in the Chinese People's Republic. p. 120.

OBOGASHCHENIE RUD [ORE DRESSING]. Issued by Vsesoiuznyi nauchno-issledovatel'skii i proektnyi institut mekhanicheskoi obrabotki poleznykh iskopaemykh [All-Union Scientific Research and Planning Institute for the Mechanical Processing of Minerals]. Leningrad, vol. 8, no. 4(46), 1963.

Table of contents translated:

Derkach, V.G. - Dry magnetic ore dressing on high-speed drum separators. p. 3.

Pavlova, K.S. - Obtaining high-grade concentrates from iron quartzites of the Kostomuksha deposit. p. 9.

Miagkov, M.I. - Modern trends in the design of iron ore dressing plants. p. 14.

Ivanova, L.E., Kizeval'ter, B.V. - Elements of the hydrodynamics of arc screens. p. 23.

Shchupov, L.P. - Selecting optimum ball dimensions for ball mills. p.30.
Berezhnoi, N.N. - Accelerating the sintering process by increasing the amount of air being drawn in. p.32.
Rudin, A.D. - Dynamics of screens with resonating gratings. p.35.
Levidov, V.A., Zabirov, M.G. - Automatic density control of a classifier overflow with the use of correction pulses. p.39.
Pritykin, D.P., - Repair of cyclone banks at the Zaporozhstal' sintering plant. p.42.
Levitskii, A.M. - Foreign rapid drum separators for the dry magnetic separation of iron ores. p.44.
Muizemnek, IU.A. - Calculating jaw crusher capacity; concerning G. Sommer's article. p.48.
Rozhkov, K.V., Gashichev, V.I. - All-Union conference on the automation of processes in ferrous metallurgy. p.50.
Russian and foreign literature on ore dressing. p.51.

PERM. NAUCHNO-ISSLEDOVATEL'SKII UGOL'NYI INSTITUT. Nauchnye trudy [SCIENTIFIC RESEARCH COAL INSTITUTE. Studies]. Moscow, no.4, 1962.

Table of contents translated:
Sharapov, I.P. - Theory of the persistence of mineral deposits. p.5.
Kopkin, V.I., Ledentsov, L.A. - Effect of saline folding on the distribution of potassium chloride in sylvinite seams of the Upper Kama deposit. p.24.
Kopnik, V.I., Raevskii, V.I., Lebentsov, L.A. - Density of the exploratory network in the stage of detailed exploration of the Upper Kama deposit. p.30.
Kononenko, N.I. - Advantage of extracting selenium from pyritic coking coals. p.40.
Milonov, N.P., Antonov, M.N. - Expenditures for maintaining horizontal workings in the Kizel Basin. p.49.
Shilkov, M.A., Rozhin, M.M. - Economic efficienty of various plans for the development of seams in the Kizel Basin. p.58.
Moskvin, V.A. - Selecting advantageous types of linings for development workings in the Kizel Basin. p.65.
Milonov, N.P. - Efficiency and area of using precast reinforced concrete lining in Kizel Basin mines. p.78.
Milonov, N.P. - Development of a series of coal seams and collection of a place for lateral drifting in the Kizel Basin. p.82.
Vodop'ianov, V.L., and others. - Actual state and factors of stability of carnallite workings at the Solikamsk Mine. p.87.
Kucherskii, L.V., and others - Industrial safety in carrying out and cementing development workings during the occurrence of oil and gas. p.103.
Patokin, L.K. - Extraction of coal with long charges in Kizel Basin mines. p.127.
Demb, S.P., Potekhin, R.P. - Efficiency of using sloped boreholes in Perm Province limestone quarries. p.130.
Lapin, G.L., Tregubov, A.N. - Improvement of working carnallite in Upper Kama mines. p.133.
Osipov, IU.A. - Classification of Kizel coals according to their wettability in the massif and methods for the certification of stopes with the introduction of the method of water injection into the seam. p.139.
Zyrianov, E.G., andothers. - Dust collecting equipment for use in rock drilling in the Kizel Basin. p.146.
Odintsov, V.P. - Ways of evaluating the dry methods of dust removal from workers' clothing. p.156.
Kolevatov, P.A., and others. - Combatting dust in the sintering department of the Chusovoy Metallurgical Plant. p.164.
Kolevatov, P.A., and others. - Sanitary and hygienic working conditions in the production of ferrovanadium and combatting dust during the grinding of charging materials in ball mills. p.171.
Nel'son, I.A., Stoliarov, L.I. - Parameters of the atmosphere of inhalatoriums with electroaerosol equipment. p.179.
Ladin, G.F. - Residues from a sodium carbonate plant as inhibitors of low-temperature oxidation of Kizel coals. p.186.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

REFERATIVNYI ZHURNAL: GORNYE MASHINY (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MINING MACHINERY (Separate Issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

*REFERATIVNYI ZHURNAL: METALLURGIIA (JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]. Moscow, vol.5, no.11, 1962.

Table of contents translated:
Arabadzhi, M.S., Vasil'ev, IU.M., Mil'nichuk, V.S. - Seismic errors in the central and western regions of the Caspian Lowland. p.3.
Lotiev, B.K., Smirnova, M.N. - Studying the Maikop series of Stavropol Territory. p.9.
Dzhafarov, Kh.D., Bairamova, R.A. - Making structural maps on the basis of geophysical data. p.13.
Aleksandrov, M.M. - Effect of frictional force in a well on the efficient values of the intermediate speeds of a draw works. p.17.
Simoniants, L.E., Zhlobinskii, B.A. - Contact time and the dynamic load on elastic impact against a rock. p.21.
Fedorov, V.S., Kozodoi, A.K., Zubarev, A.V. - Pressure losses in circulation openings and bit nozzles. p.25.
Finkel'shtein, M.Z., and others. - Effect of successive additions of reagents and the degree of polymerization of cellulose on the degree of esterification and solubility of carboxymethylcellulose in water. p.31.
Stetiukha, E.I., Pivovarov, V.T. - Regularities in the change of the physical properties of rocks in the central and eastern regions of the Russian Platform. p.35.
Pudovkin, M.A. - Solving a problem of underground hydromechanics in elastic drive. p.39.
Lan Chzhan-Sin' [Lang Chang-hsin]. - Determining the flow resistances in the presence of nonsteady gas flow. p.47.
Chernozhukov, N.I., Vainshtok, V.V., Kartinin, B.N. - Crystal submicrostructure of solid hydrocarbon mixtures in a hydrocarbon medium. p.53.
Gol'd, M. - "An abundance of petroleum east of the Caspian Sea. pp.58, 82.
Balakishiev, G.A., and others. - Effect of ultrasonic energy on the cracking of solar oil distillate. p.59.
Bagaturov, S.A. - Calculating the conditions for the minimal refluxing of columns used in finite reflux distillation unit fed with unsaturated crude. p.63.
Gobzhila, A.G., Popesku, F.S. - Preparing petroleum for refining. p.71.
Snegirev, I.A. - Calculating the fluid flow under driving pressure in reservoirs taking into account the permeability of the roof and bottom in them. p.75.
Matushkin, A.D. - Effect of the viscosity of the pumped fluid on the efficiency of a centrifugal pump. p.83.
Kudriashchev, L.I., TSererin, V.A. - Test determination of the effect of the nonstationary state gas flow on the hydraulic-resistance factor. p.89.
Abdullaev, A.A., Nabiev, I.A., Chebarev, A.I. - Long-period pulse-time telemetering system with a noncontact converter. p.95.
Khalilov, A.A. - Investigating the hydraulic parameters of the nozzles of jet bits. p.101.
Mechitov, I.I. - Determining the velocity of underground flow. p.107.
Litvishkov, N.M. - Water of Baku Bay as a source of industrial water supply and a reservoir for depositing petroleum refinery waste waters. p.109.
Kostrin, K.V. - Baku oil in the works of Russian scientists in the second quarter of the 18th century. p.113.
Gurevich, I.L. - Organization and content of long-term industrial training of the students of the 5th and 6th courses of the noncorrespondence division. p.117.
Kurykin, S.I., Kagarmanov, M.F., Balandin, P.S. - Diamond bits for drilling oil and gas wells. p.119.
Brief news. pp. 8, 46, 58, 82, 94, 100, 112.

Vol.6, no.8, 1963.

Table of contents translated:
Troepol'skii, V.I., and others. - Petroleum potential and methods for petroleum prospecting in fractured reservoirs of the carbonaceous section at the eastern edge of the Aksubayevo-Melekes Depression. p.3.
Sultanov, K.M., Khalifa-Zade, Ch.M., Samedov, S.S. - Jurassic stratigraphy of the sediments of the Kuma oil-bearing region. p.9.
Korkhova, E.F. - Relation between the change in the physicochemical properties of waters and petroleums and the depth of occurrence of the Sub-Kirmaki series. p.14.
Agadzhanian, E.I. - Chemical characteristics of calcium-chloride waters of the productive formation of the Duvannyy field. p.15.
Melikov, T.K. - Investigation of well temperature as a function of the duration of the drilling mud circulation. p.18.
Zeidan, Selim. - Geophysical methods for the investigation of wells in the United Arab Republic as illustrated by the investigation of the Bakr oil field. p.19.
Simoniants, L.E., Zhlobinskii, B.A. - Determination of mechanical speed in modeling the drilling process involving the use of roller bits. p.25.
Buriakovskii, L.A. - Determination of the permeability of water-saturated rocks from the relative resistance. p.30.
Sokolov, A.E. - Investigation of certain properties of rocks under confining pressure. p.31.
Mdivani, A.G., Abdulzade, A.M., Kuliev, S.M. - Influence of stepped shape of bottom hole on the efficiency of rock disintegration. p.35.
Stradymov, P.K. - Gas-water reservoir conditions. p.41.
Alibekov, B.I., Listengraten, L.B., Pirverdian, A.M. Pouring degassed liquid to combat the harmful effect of gas on the operation of a sinking centrifugal electric pump. p.51.
Sarkisian, V.A. - New method for the construction of a clear hydrochemical graph. p.50.
Sharipov, A.Kh., Imaev, M.G. - Production of phthalic anhydride by diphase oxidation of bicyclic hydrocarbons of catalytic gas oil. p.57.
Mokhamed Fauzi, Kartinin, B.N., Chernozhukov, N.I. Effect of the depth of phenol purification of residual oil on the characteristics of dewaxing. p.61.
Dudin, V.F., Shaulov, G.I., Khadzhiev, S.N. - Experimental investigation of the relation between the speed of an ultrasonic pulse and the temperature of Ms-20 oil. p.65.
Gukhman, L.A., Mirzoev, S.D. - Visual observation of selective purification. p.69.
Leshchii, N.P., Mochernuk, D.IU. - Effect of thixotropy on viscoplastic fluid flow. p.71.
Geller, Z.I., Skobel'tsyn, IU.A. - Viscous fluid flow from long and extremely short external cylindrical nozzles. p.77.
Samoilovich, B.I., and others. - Economic efficiency of the introduction of an automatic-temperature control system in the reactor of a catalytic cracking device. p.83.
Aliev, I.A., and others. - Automated electric drive of a sidewall core lifter. p.87.
Salimzhanov, E.S., Belov, A.M. - Determination of flowing-well transfer functions. p.91.
Vtiurin, A.I. - Calculating the longevity of the parts of a hoisting mechanism in a device for underground well repairing. p.97.
Deviatko, L.I., Dudin, V.F. - Comparison of energy losses in the interaction of teeth of various shapes with rock. p.99.
Khal'fin, F.N., Fominykh, A.M. - Reagent methods for the final purification of petroleum-refinery waste waters. p.103.
Krysha, P.V. - Growth of the petroleum industry of India. p.107.
Lazarev, V.N., and others. - Concerning the book by M.A. Zhdanov "Petroleum geology." p.110.

Vol.7, no.3, 1964.

Table of contents translated:
L'vovskii, IU.M. - Features of the tectonic plan of the monoclinal margin of the Caspian Lowland and prospects for discovering oil- and gas-bearing structures. p.3.
Melikov, T.K. - Temperature variation in a radial direction relative to the well axis. p.7.
IAkubov, A.A., Korimov, R.M. - Method for determining the permeability of oil-bearing rocks from data on the specific resistance. p.11.
Galin, V.L., Pliushchenko, V.G. - Oil and gas potentials of the Lower Cretaceous sediments of Daghestan based on hydrogeological indices. p.15.
Sarkisian, V.A. - Complementary determination of a composite hydrochemical graph. pp.19, 24.
Simoniants, L.E., Zhlobinskii, B.A., [illegible], E.G. - The effect of plasticity on the disintegration of rocks. p.10.
Berezhnoi, A.I., Sviridov, V.A., Kulagin, P.G. - Investigating the antifoaming properties of polyorganosiloxane compounds used for drilling fluids. p.25.
Abdulzade, A.M., Kuliev, S.M., Mdivani, A.G. - Effect of the step shape of a well hole on the torque when drilling with cutter-type bits. p.31.
Avdonin, N.A. - Certain formulas for calculating the temperature field of a bed when heat is injected. p.37.
Nikanorov, A.M. - Certain new data on the discharge of waters of the Mesozoic sediments in the region of the Buzginskiy uplift of the buried Karpinsk range. pp.42, 48.
Gimatudinov, Sh.K., Nikolaev, V.A. - Effect of water soluble surfactants on the capillary properties of reservoir systems. p.43.
Sidorovskii, V.A. - Effect of cavities in the filtration surface of a well on the permeability of the well-bottom zone. p.49.
Usov, IU.N., and others. - Investigating the chemical composition of gas and gas condensate of the Stepnovskoye field. p.55.
Zmievskii, P.K., Dal', V.I., Kusakina, G.M. - Investigating the coking distillates from the refining residues of Volgograd oils. p.53.

Kondrat'ev, A.A. - Calculating the possible range of variation in the composition of the separation products of ternary mixtures in the presence of minimum reflux. p.63.
Khil'fin, V.N., Fominykh, A.M. - Water stabilization in a system of return water supply in a petroleum refinery. pp.68, 74.
Amirbekov, S.M. - Investigating the dependence of the viscosity coefficient of lubricants on pressure and temperature. p.70.
Pecorel'skii, A.M., Dafonov, N.V. - [illegible] form of the basic equation for the manometric head of a sinking centrifugal electric pump. p.75.
Bakirov, B.D., Ibragimov, A.D. - Simulation methods in the investigation of the viscosity and heat conductivity of gases and gas mixtures. p.79.
Lapuk, B.B., Zakirov, S.N., Gusifullina, N.Kh. - Nonsteady flow of real gas in a deformed nonuniform bed to wells operating under given output conditions. p.91.
Kharlamenko, V.I., Rubin, V.I. - Forcing a highly viscous liquid from short and long pipe lines. p.97.
Geller, Z.I., Skobel'tsyn, IU.A., Golovchenko, V.A. - Flow rate factors of the discharge devices in tank cars. p.95.
Degtiarev, D.A. - Simplified method for determining reservoir parameters. pp.98, 100.
Lagunov, P.I., Novoselov, V.F. - Temperature change of a petroleum product when a hot pipe is put into operation. p.103.
Illinskii, O.V. - [illegible] used for solving boundary value problems by mathematical simulation in the development of oil and gas reservoirs. p.104.
Makeladze, I.Z. - Effect of the time factor on the effectiveness of capital investments in gas transportation. p.107.
Gracheva, D.A., and others. - [illegible] pipe tester for [illegible] plant tests. p.112.
Kiselev, S.I. - [illegible] pipes under conditions of [illegible]. p.117.
Gol'd, M.S. - [illegible]. p.117.

SOVETSKII SHAKHTER [SOVIET MINER]. Issued by Tsentral'nyi komitet Profsoiuza rabochikh ugol'noi promyshlennosti SSSR [Central committee of the Trade Union of Workers of the Coal Industry of the U.S.S.R.]. Moscow, vol.12, no.7, July 1963.

Table of contents translated:
[illegible]. p.2
Makarov, V. - [illegible]. p.4
[illegible]. p.6
[illegible], V., [illegible], V., [illegible], N. - [illegible]. p.8
[illegible]. p.10
[illegible]. p.12
[illegible]. p.13
[illegible]. p.14
[illegible]. p.19
[illegible]. p.20
[illegible]. p.22
[illegible]. p.26
[illegible]. p.24
[illegible]. p.23
[illegible]. p.25
[illegible]. p.34
[illegible]. p.35
[illegible]. p.37
[illegible]. p.38
[illegible]. p.40
[illegible]. p.42
[illegible]. p.44
[illegible]. p.46
[illegible]. p.47
[illegible]. p.48

UGOL' UKRAINY [COAL OF THE UKRAINE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, vol.8, no.1, Jan. 1964.

Table of contents translated:
Burmistrov, A.A. - Ukrainian coal industry for the last 10 years. p.1.
Zinchenko, I.N. - Drift of 1113 m. worked in one month with the PK-3m cutter-loader. p.7.
Tatsenko, K.I., and others. - Numbers and arrangement of ventilation shafts in the block system of opening mining areas at great depth. p.9.
Zaichik, V.A., and others. - Development plans and systems of mining at great depth. p.12.
Zborshchik, M.P., Poliakov, A.I. - Determination of the length of a longwall according to the ventilation factor during the mining of very gassy seams. p.15.
Lobanov, M.P., Minko-Ratovich, IU.S. - Operation of high-speed USD-2 plowing machinery in the Donets Basin. p.16.
Belotserkovskii, A.M. - Using plastics in pneumatic engines. p.20.
Preshman, I.B., Popov, A.A. - Increasing the strength of bore rods for rock drilling. p.21.
Strel'tsov, M.K. - Study of transient processes in controlled machinery designated for working steeply pitching seams. p.23.
Andrushchenko, V.I., Maksimenko, N.N. - Advantages of continuous integrated labor organization in longwalls. p.27.
Sivi, V.N., Nezhentsev, V.V., Liashenko, V.N. - Correlation analysis and linear programming in planning and analytical work in mines. p.28.
Borodin, K.I., Stel'ko, V.M. - Making 430m of drift for conveyor operations in one month. p.31.
Murashov, N.V., Dvorskii, A.I. - Working an incline with the help of the "Prokhodchik" loader. p.32.
Il'inskii, I.A., Lager', A.I., Shtan'ko, I.A. - Using diagonal inclines in mines of the "Pervomaiskugol'" trust. p.34.
Bershenshtein, D.I. - Automatic control of the temperature of the coils in power transformers. p.35.
Bashkatov, I.M. - More GD-2 hydraulic jacks. p.36.
Polin, V.S., Kovalevskaia, V.I. - The VTsD-3,3 centrifugal mine fan with two-sided intake. p.37.
Kotkin, G.A., Ibragimova, L.P. - Electromagnetic flow meter for hydraulic mixtures. p.39.
Kondrat, IU.P. - Stopping device for the reverse motion of an UJ-M-13 winch. p.40.
Perov, S.F., Lub'ianov, K.V. - Apparatus for measuring pressure by the wire method. p.41.
Gruzkel', A.M. - Hermetic sealing of ventilation and hoisting shafts. p.42.
Shchukin, F.D., Kokorin, I.IA. - Safe and efficient method of positioning advance boreholes. p.43.
Shrago, I.I. - Selecting a place for drainage boreholes. p.44.
Pakhomov, V.D., Andrushchenko, V.N. - Wetting of the coal massif. p.46.
Golubev, A.I., Plastovets, I.Kh. - Classification of flotation agents at the Yasinovka by-product coke plant. p.47.
Chernikov, P.P., Illarionov, IU.I. - Operation of the UT-2M centrifuge. p.49.
Kovalenko, I.P. - Loading equipment abroad. p.51.
Abramov, I.A., Strelnikov, V.E. - Microdensograph produced by the firm "Askania-Verke." p.52.
Brief news. p.53.

Vol.8, no.3, Mar.1964.

Table of contents translated:
Ostapenko, V.N. - Fewer people and more coal. p.1.
Avetisian, S.M. - Contributions of designers to mining. p.2.
Chetverikov, V.I. - We are increasing the service life of mining machinery. p.4.
Protsenko, E.T. - On the road to mining without people. p.4.
Vepov, I.V. - Unsolved problems in hydraulic mining. p.7.
Into the "Big Chemistry" fund. p.9.
Shelaputin, A.P. - Problems of working deep coal seams in the Donets Basin. p.8.
Bortnikov, N.P. - Determining absolute rock pressure with the help of water filtration. p.11.
Karpenko, N.A. - Conditions of engineering geology encountered in shaft sinking in the western Donets Basin. p.12.
Nesterov, M.A. - Economically efficient length of a longwall during coal mining with a cutter-loader. p.16.
Kosolapov, V.M. - Effect of mining methods and the preservation of section workings on their maintenance. p.18.
Zholkevskii, V.A. - Analytical determination of the coefficient of aerodynamic drag in workings. p.20.
Shevelyagin, S.V. - Effect of the angle of cutter dressing on its durability during rock cutting. p.21.
Bragin, V.I. - Calculation of the natural moisture of rocks during laboratory testing. p.23.
Mikhailov, V.G., and others. - Raising the efficiency of operating of ShBM-2 mining cutter-loaders in the Lvov-Volyn coal basin. p.24.
Rakov, L.N. - Putting electricity into steep seam mining operations. p.28.
Kara, D.N. - Study of the resistance to the movement of a chain along curvilinear guides of a LGD-2 cutter-loader. p.30.
Tabachnikov, P.I. - Automatic vibration of high, tower headframes of cylindrical shape. p.31.
Katkov, G.A. - Measuring stresses in powered support assemblies with the help of photoelastic transducers. p.33.
Osipov, L.K. - Chain pusher for curved sections of the TsTK-1 track. p.34.
Kagan, M.E., Kutuzov, F.I. - Revealing and analyzing the basic factors influencing the duration of mining operations. p.35.
Mikhail'skii, S.Z., Kachko, IU.IA. - More economical use of mine timbering. p.36.
Chuzhinov, D.K. - Planning work loads in stopes and awarding bonuses to stopers and engineers of sections and mines in the Donets Basin. p.38.
Shapiro, M.D., Al'terman, L.S. - Low coking and noncoking Lower Carboniferous coals from the western Donets Basin used as raw materials for coking. p.40.
Rybalko, V.E., Antonov, V.V. - Working 433,7 meters of incline in a month. p.43.
Karaikin, A.T., Shevchenko, V.S., Lager', A.I. - Quick crosscutting. p.45.
Amurskii, B.S. - Standard metal form work. p.46.
Filonenko, N.V. - Effect of surface drainage on the operation of a bridge complex in autumn and winter. p.47.
Buzik, M.L. - Using electric power for heat supply in Donets Basin coal mines. p.48.
Ol'khovichenko, A.E. - Roof control in steep seams subjected to outbursts of coal and gas. p.49.
Gzhegotskii, M.I., Mashov, V.P. - Sanitary and hygienic characteristics of water-resistant PZhV-20 ammonite. p.51.
Logvinenko, G.IA. - Improvement of the cooling of a synchronous electric motor. p.52.
Sardanovich, I.N., Bakhel', B.L., Grebeniuk, V.K. - Book about the capacity and life of coal mines. p.53.
Hank, P.I. - Concerning the handbook "Selection and operation of electric equipment of a section in a coal mine." p.54.
Dudko, V.A. - Apparatus for the automatic control of the tension of a conveyor belt. p.54.
Brief news. p.55.

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT BUROVOI TEKHNIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF DRILLING TECHNIQUES. Transactions]. Moscow, no.4, 1962.

Table of contents translated:
Minin, A.A., Fofov, V.M. - Stability in the bottom-hole control of the drilling process. p.5.
Mezhlumov, A.O., and others. - Investigating the operation on aerated water of turbodrill turbines. p.20.
Vysotskii, V.A. - Bottom hole assemblies in reaction-turbine drilling. p.33.
Balakh, G.I. - Analyzing the kinematics of a bit roller operating in a reaction-turbine drilling assembly. p.51.
Balakh, G.I., Liubimova, K.F. - Slurry air lift for the reaction-turbine drilling of mine shafts. p.64.
Kulsanov, A.S. - E170/8 electrodrill. p.74.
Korepin, V.I. - Effect of the diameter of bits and the drilling depth on the indices of electric drilling. p.80.
Gurland, I.I. - Checking the insulation for the two-line current supply of an electrodrill. p.89.
Ostapenko, N.M., Prutiasov, I.P., Kravchenko, S.S. - Filters for preventing or eliminating the circulation losses. p.104.
Shcherbiuk, N.D. - Special threads for pipes and bottom hole drilling engines. p.118.
Shcherbiuk, N.D., Butukhin, V.A. - Measuring the differences in the mean diameters (taper) of taper threads with single-turn thread gages. p.141.
Vainer, I.IA., Pistel', S.G., Tamanskii, A.I. - Planning the speed and cost of drilling operations for a long period of time. p.152.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Nauchno-tekhnicheskii sbornik po dobyche nefti [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Scientific and Technical Papers on Petroleum Production]. Moscow, no.14, 1961.

Table of contents translated:
Volnov, V.V., and others. - Studying the geological uniformity of producing layers. p.3.
Stepanov, A.F. - Significance of the lithological factor in the distribution of oil pools in the Dmitriyevka field in Kuybyshev Province. p.8.
Karapetov, A.M. - Determining efficient well spacing in commercial oil-field prospecting. p.13.
Kochetov, M.N. - Determining the conformance factor from spent pools. p.20.
Krylov, A.P., Korniliev, V.N. - Determining oil losses in reservoir D_1 of the Tuymazy region depending on well spacing. p.35.
Dorokhov, O.I., Maksimov, M.M. - Effect of the density of the well pattern on the nature of the displacement of the oil boundaries as revealed by a study of the Bavly oil field. p.30.
Alasov, M.T., and others. - Displacing gas with thinned crude. p.35.
Pilatovskii, V.P. - Water drive with formation of a water-oil mixture in a thin inclined bed subject to constant pressure gradient. p.40.
Kamenetskii, S.G. - Determining flow parameters by the pressure restoration method when the reservoir is divided into separate interstratifications. p.46.

Kazymov, A.Sh. - Displacement of the oil boundary toward a circular battery. p. 50.
Filias, IU.I. - Physical properties of reservoir oils in a deep fold of the Bitkov field. p. 53.
Belash, P.M. - Using electric models to determine the reservoir parameters from the data of test wells. p. 59.
Kogan, L.G. - New method for the construction of the current lines and current pipes of a fluid in the electric modeling of oil field development processes. p. 64.
Tesliuk, E.V., Pashenkova, G.S. - Graphic analysis method for solving flow problems related to the drilling and exploitation of horizontal wells. p. 69.
Afanas'eva, A.V., Rakovskii, N.L., Seliunin, A.N. - Flow diagram of a test injection of liquefied gases into a reservoir in a sector of the Minnibayevo region. p. 76.
Orlov, V.S., Pravednikov, N.K. - Calculating the fluid yield of a multiwell system of wells with given bottom pressures. p. 83.
Buzinov, S.N., Umrikhin, I.D. - Determining the reservoir parameters from the pressure change curve in a reacting well. p. 87.
Pravednikov, N.K. - Predicting the flooding of oil pools. p. 92.
Tabakov, V.N. - Fluid inflow to a well of complex profile in a layered bed. p. 97.
Ryzhenkov, I.I. - Studying economic dependence in petroleum production. p. 102.
Burmistrov, A.P. - Economically efficient use of gasoline-free casinghead gas from the Tatar A.S.S.R. and Bashkiria as a commercial and energy-producing fuel. p. 105.

No. 18, 1962.
Table of contents translated:
Stepanov, A.I. - Necessity for taking into consideration the special features of the structure of uplifts along the upper horizons during the commercial prospecting of lower horizons. p. 1.
Zheltov, IU.P., Rozenberg, M.D. - Flow of multicomponent systems. p. 9.
Pilatovskii, V.P. - Small disturbances in the ongoing displacement of the oil-water interface in a thin inclined bed. p. 14.
Kogan, L.G. - Calculating the forward motion of a fluid to a straight-line battery of wells in thin banded fields (margins). p. 20.
Ogandzhaniants, V.G. - Certain results of flooding oil from a model of a nonuniform reservoir. p. 25.
Sporyshev, V.S. - Effect of a round reservoir inclusion on uniform flow. p. 30.
Karpov, V.P., Sherstniakov, V.F. - Determining phase permeabilities from field data. p. 36.
Sherstniakov, V.F., Kharchenko, V.M. - Investigating the flooding of live crude. p. 42.
Pravednikov, N.K., Rakovskii, N.L. - Effect of the nonuniformity of reservoir permeability on the solvent flooding process. p. 48.
Stepin, I.G. - Possibility of using hydrodynamic investigations for revealing disjunctive disturbances. p. 53.
Sandakhchiev, I.S. - Effect of deviations from thermodynamic equilibrium on the average reservoir characteristics in depletion drive. p. 58.
Rodakov, G.V. - Dependence of the oil yield of the reservoir rocks of the Tuymazy oil field on their permeability and the velocity of the oil flow. p. 61.
Baikov, N.M., Buzinov, S.N., Umrikhin, I.D. - Investigating reservoirs on the basis of curves of the pressure change in reactive wells in the presence of a harmonic oscillation in the flow or pressure in a stimulation well. p. 65.
Shcherbakov, G.V. - Interpreting the results of reservoir testing with a tester. p. 72.
Namiot, A.IU. - Distribution of hydrogen sulfide in natural gas and water under reservoir conditions. p. 76.
Namiot, A.IU., Bondareva, M.M. - Solubility of mixtures of helium and methane in water at high pressures. p. 82.
Iliukhin, E.S., Sagitov, A.U. - Improving techniques for investigating flowing wells with a DGM-4 differential deep-well manometer. p. 92.
Pilatovskii, V.P. - Notes on certain uses of known propositions of mathematical statistics in the study of the distribution of reservoir permeability in a given set of observations. p. 97.
Bazonov, V.F. - Comparing the operations of producing - and injection-wells in a dead area. p. 99.

No. 20, 1963.
Table of contents translated:
Rumiantseva, N.N. - Preparing cemented sandy-argillaceous models of a core. p. 3.
Karapetov, A.M., Choporov, A.P. - Some suggestions on the determination of the efficiency of commercial prospecting and the qualities of reserves. p. 6.
D'iakonov, V.P. - Evaluating the effects of dissolved gases on the compressibility factor of reservoir waters as exemplified by fields of the Saratov and Volgograd regions. p. 12.
Zheltov, IU.P., Zolotarev, P.P. - Linearizing equations of gas flow in fractured rocks. p. 17.
Kazymov, A.Sh. - Displacement of the water-oil interface of a round battery of wells. p. 20.
Kislenko, B.E. - Features of investigations of fluid displacement in transparent models of porous media. p. 24.
Borisov, IU.P., Tabakov, V.P. - Investigating the effect of reservoir pressure averaging on the external boundary of a reservoir. p. 28.
Sporyshev, V.S. - Effect of shield on the filtration flow of fluid to a battery of wells. p. 32.
Kogan, L.G. - Constructing on the basis of electric-model data the current lines and current pipes in a reservoir consisting of several uniform sections possessing various parameters. p. 36.
Maiderov, V.N. - Approximate method for estimating the fracturing of rocks on the basis of data derived from an investigation of a pool. p. 41.
Polikarpova, R.V., Brykina, M.M. - Determining the degree of conformance of the beds of horizon DI of the Minnibayevo region of the Romashkino field. p. 45.
Mikhailovskii, N.K. - Nature of the production of oil reserves from reservoir DI in the Aleksandrovska area. p. 51.
Cherepakhin, N.A., Grigorian, I.A. - Selecting the thickness of the production site for the development of a multilayered oil field. p. 59.
Mikhailovskii, P.K. - Determining the productivity of individual layers simultaneously exploited. p. 63.
Volodin, V.A., Kapyrin, IU.V., Tesliuk, E.V. - Studying the vertical profile of the output and flow rates of fluids in producing and injection wells. p. 66.
Rozantsev, V.R. - Hydraulic resistances in a GN-40-1000 sinking piston assembly for petroleum production. p. 72.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 4, no. 8, Apr. 1964.
Table of contents translated:
Editorial: The leader of political studies is a passionate propagandist of party ideas. p. 3.
Kurochkin, P. - Great exploit of the Soviet people. p. 8.
Babadzhanian, A. - Persistently inculcate into the training process everything new and advanced. p. 16.
Isakov, P. - The political officer is the organizer of party work. p. 23.
Kazachkov, I. - Atheistic education of soldiers is a problem of great significance. p. 30.
Arkhipenko, V. - Creative work of millions. p. 35.
Kuz'min, I. - Struggle of the new with the old in the development of military affairs. p. 40.
Lazebnikov, M. - Admission in the CPSU and the party commission. p. 46.
Saushin, F., Dvoinikov, V. - Zealously, in a managerial manner. p. 49.
Baranov, A. - Executiveness in everything. p. 51.
Smirnov, G. - Wings of fighter planes. p. 53.
Novik, V., Larin, V. - Reserves in action. p. 57.
Chernyshev, F. - Marxism-Leninism on the development of society. p. 61.
Panfilov, F. - Work demanding inspiration. p. 72.
Azarov, I. - Glorious page of a great epic. p. 75.
Polish People's Army. p. 77.
Czechoslovakian People's Army. p. 81.
Political organs and party committees with the rights of a district committee of the CPSU. p. 84.
Officers' meetings. p. 85.
What is lacking in a useful book? p. 87.
"This is a Communist Youth League number." p. 91.
News of party and political work. p. 93.
Follow-up of our articles. p. 96.

Vol. 4, no. 9, May 1964.
Table of contents translated:
For the solidarity of the international communist movement on the principles of Marxism-Leninism. p. 3.
Semiokhin, I. - Taking into consideration the characteristics of modern combat. p. 45.
Makarov, K., and others. - Our submarine is foremost. p. 51.
Duty and responsibility of the military builder. p. 61.
To the activist from experience on the front:
  Komissarov, V. - Heroic spirit of an individual example. p. 66.
  Shatunov, G. - In a company of the courageous. p. 71.
Korkeshkin, A. - Struggle of the peoples of capitalist countries for the preservation of sovereignty. p. 74.
Dormidontov, N. - Visual aids for political studies. p. 81.
National people's army of the German Democratic Republic. p. 84.
IUmashev, A. - Why are there economic crises under capitalism? p. 87.
Demidov, B. - Laws of dialectics and military science. p. 91.
News of party and political work. p. 94.

NASHI VESTI [OUR NEWS]. Published by Soiuz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 20, no. 210, June 1964.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 7(1000), Apr. 1964.
Table of contents translated:
Malkov, Vadim. - Our party! p. 1.
Time of great achievements. p. 2.
Sul'ianov, A. - Over the ice route. p. 6.
Gorbunov, Mikhail. - The bird cherry is blossoming. p. 7.
Rodichev, Nikolai. - I saw the sea. p. 8.
Grechukhin, V. - On an excellent rocket carrier. p. 12.
Sturdy sprouts. p. 14.
Shilingovskii, I. - It happened in the village Nagytó. p. 14.
Strekhnin, IUrii. - A windfall. p. 16.
Rossinskaia, S. - Care for with love. p. 19.
Zaitsev, N. - Fight with contrabandists. p. 20.
Monastyrenko, G. - Eternally alive. p. 25.
Rachkova, N. - Second birth. p. 25.
Chernov, IU., Petrovskii, A., Boika, Ivan. - Booklovers speak. p. 25.
Svistunov, Ivan. - Impulses of life. p. 29.
Fedorov, Pavel. - Like a song. p. 30.
Il'in, G., Shabotin, L. - We discuss the letter "With a thought about tomorrow." p. 31.
Proniakin, IU. - When young people are forgotten. p. 32.
Estrin, Z. - Traditions call. p. 33.
Kostko, V. - Apple trees will blossom in May. p. 34.
Borchert, G. - Thanks, soldiers! p. 35.
Vit, A. - Brothers, rivals. p. 36.
Astapenkova, T. - People believe in her. p. 38.
Bura, E., Krivtsov, G. - Care for the families of servicemen. p. 38.
Gushchin, N. - Reliable covering force. p. 39.
Gaglov, I., Vodop'ianov, M. - Bearers of the Gold Star. p. 40.
Maklovskii, IA., Dikusarov, A. - Chess. p. 44.

TEKHNIKA I VOORUZHENIE [TECHNOLOGY AND ARMAMENTS]. Organ of Ministerstvo oborony SSSR]Ministry of Defense of the U.S.S.R.]. Moscow, no. 1, Jan. 1964.
Table of contents translated:
Editorial: Strengthen the defense of our country. p. 2.
Egorov, N. - Party organization and technical training. p. 4.
Zatylkin, B. - To a new level. p. 8.
Zybakov, V. - Victory of Leningrad. p. 10.
Shatalov, A. - Automatic control of rocket weapons. p. 12.
Siforov, V. - The great future of radio electronics. p. 18.
Davydenko, IU. - Propagation of radio waves. p. 21.
Piatibratov, A. - Technical basis of cybernetics. p. 24.
Devonisskii, V. - Electronic voltage regulators. p. 30.
Koptev, A. - Signs and figures on diagrams. p. 34.
Mazikov, N. - Day and night. p. 39.
Sobol', P., Zhurba, L. - The rifle range. p. 42.
Ovsiannikov, K. - Parachute trainer. p. 44.
Kozlovich, E. - Training aid for technical classes. p. 44.
Ivanov, V. - An automobile train moves in winter. p. 47.
Kharlamov, N., Barichev, I. - Don't record, but prevent. p. 50.
Kordunskii, M. - Months and kilometers. p. 51.
Zhulev, V., and others. - A selection: For traffic safety. p. 53.
Experience, initiative. pp. 56, 65, 80.
Use the starter correctly. p. 57.

Yeremin, I., Pollov, V. - Liquid preparation p. 50
Kikbalov, B. - From the ground to the launch site p. 51
Shablygin, V. - Greater control margins p. 52
Airmen in operations and problems p. 61
[illegible] is essential p. 64
[illegible], E. - More about technical training p. 67
[illegible], N. - Aids in economy today p. 70
[illegible], G. - New transfer of information p. 72
A conversation with V. A. Sudets p. 74
[illegible], M. - Are aids for storage batteries necessary? p. 76
[illegible], G. - How does one gather information [illegible] p. 77
[illegible], I. - Blocked formation p. 78
[illegible] In a carbon dioxide atmosphere p. 82
Filippov, A. - [illegible] the air defense system p. 84
[illegible] from America to Europe p. 87
[illegible], B. - Shaped charges p. 88
Antitank grenade launcher p. 90
Fire control system p. 91
Technology and armaments p. 93
[illegible], I. - A useful book p. 95
From the military press p. 95
[illegible] p. 96

VESTNIK PROTIVOVOZDUSHNOI OBORONY [illegible]

VOENNO [illegible]

VOENNYE ZNANIYA [MILITARY KNOWLEDGE]. Organ of the Central Committee of the All-Union Voluntary Society for Assistance to the Army, Air Force, and Navy (DOSAAF). Moscow, vol. 40, no. 4, Apr., 1964.

Table of contents translated:

Editorial: Under the banner of the immortal party p. 1.
[illegible], I. - [illegible] p. 3.
[illegible], I. - Past and origin of [illegible] p. 5
[illegible], A. - [illegible] p. 8
Beginning of the journey p. 9
[illegible], F. - Man of great will p. 9
[illegible], V. - [illegible] p. 10
[illegible], V. - Mighty arsenal of victory p. 12
[illegible], D. - [illegible] p. 14
[illegible], F. - [illegible] p. 17
[illegible] on the [illegible] p. 18
[illegible], B. - [illegible] p. 19
[illegible], B. and others - [illegible] p. 19
[illegible], V., [illegible], V. - [illegible] p. 21
[illegible], M. - [illegible] p. 23
[illegible], M. - The main thing is speed and precision p. 24
[illegible], F. - Is this our task? p. 26
[illegible], A. - Evaluation of a [illegible] situation p. 27
[illegible], F. - A useful [illegible] p. 28
[illegible], M. - At the moment of attention p. 29
[illegible], N. - [illegible] p. 30
[illegible], A. - Sports, planes p. 31
[illegible], M. - [illegible] p. 32
[illegible], A. - Always with the people p. 33
[illegible], B. - Optical devices p. 34
[illegible], N. - The sky must be clean? p. 35
[illegible], A. - Extreme conditions p. 37
[illegible], L. - What a parachutist should [illegible] p. 38
[illegible], N. - An automatic device in place of individual marking targets p. 39
[illegible], V. - [illegible] of the water p. 40
[illegible], V. - [illegible] p. 41
[illegible], S. - [illegible] p. 42
[illegible], V. - [illegible] p. 44
[illegible], S. - [illegible] p. 46
[illegible], A. - [illegible] p. 47
[illegible] p. 48

VOENNYI VESTNIK [MILITARY HERALD]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 43, no. 5, May 1964.

Table of contents translated:

Editorial: Preserve and increase combat glory p. 1.
[illegible], V. - Improve the field training of airborne troops p. 6
[illegible], A. - Leader of a great victory p. 10
[illegible], V. - [illegible] p. 12
[illegible], V. - Battle of Debrecen p. 15
[illegible], A. - Meeting with tank builders p. 16
[illegible], N. - Most important subject of training p. 17
[illegible], I. - [illegible] p. 20
[illegible], V. - [illegible] p. 23
[illegible], V. - Activity in training p. 26
[illegible] p. 27
[illegible], M., [illegible], I. - [illegible] p. 31
[illegible], A. - [illegible] p. 40
[illegible], V. - [illegible] p. 42
[illegible] p. 45
[illegible] p. 48
[illegible] p. 51
[illegible] p. 52
[illegible] p. 57
[illegible] p. 61
[illegible] p. 64
[illegible] p. 67
[illegible] p. 70
[illegible], N. - Firing at moving targets p. 72
[illegible] p. 76
[illegible] p. 78
[illegible] p. 80
[illegible] p. 81
[illegible] p. 84
[illegible] p. 87
[illegible] p. 89
[illegible] p. 93
[illegible] p. 95
[illegible] p. 97
[illegible] p. 100
[illegible] p. 101
[illegible] p. 102
[illegible] p. 107
[illegible] p. 111
[illegible] p. 113
[illegible] p. 115
[illegible] p. 117
[illegible] p. 121
[illegible] p. 124
[illegible] p. 126
Kas, I.A. - Chess. p. 127.

Vol. 43, no. 6, June 1964.

Table of contents translated:

Editorial: The commander as a teacher. p. 1.
[illegible], A. - At the crest of modern demands p. 5.
[illegible], P. - Operation of four trucks. p. 12.
[illegible], A. - From Zagorsk to Debrecen. p. 16.
[illegible], G. - [illegible] p. 20.
[illegible], V. - If one shows creative power. p. 23.
[illegible], A. - In an advance detachment. p. 27.
[illegible], V. - This also serves to help the commander. p. 29.
[illegible], M. - An artillery division in an attack on the march. p. 31.
Solution of a problem published in no. 5. p. 35.
[illegible], G. - In mountainous and wooded terrain, according to experience of the Bulgarian People's Army. p. 40.
[illegible], V. - Sappers and posters. p. 42.
[illegible], G. - Company exercise with field firing. p. 45.
[illegible], V. - Future drivers and tanks. p. 54.
[illegible], B. - Constantly increase the proficiency rating. p. 59.
[illegible], V., [illegible], S., [illegible], A. - [illegible] with tactics. p. 60.
[illegible], B. - Under conditions of radioactive and chemical contamination. p. 63.
[illegible], M. - Complete features training in a special [illegible] p. 68.
[illegible], I. - An antiaircraft training [illegible] p. 71
[illegible], A. - Conducting a division, a method of carrying out a complex exercise. p. 73.
[illegible], V., [illegible], I. - Prepare the engineers more rapidly. p. 76
The [illegible] solution, answer to the problem published in no. 7. p. 80
[illegible], B. - Creation of a [illegible] checkpoint. p. 81.
[illegible], S. - Training in [illegible] p. 83.
[illegible], A. - Designation of means of fire. p. 86.
[illegible], V. - Lessons from an exercise. p. 88.
[illegible], V., [illegible], A. - Installation of [illegible] p. 90
[illegible], V. - Bridge [illegible] prepared elements, a tactical and special purpose exercise. p. 93
[illegible], A. - We are training specialists in [illegible] p. 95
[illegible], M. - Moving up a metal bridge. p. 98.
[illegible], B. - [illegible] communications in [illegible] p. 101
[illegible], N. - [illegible] p. 102.
[illegible], M. - On a tactical exercise. p. 106
[illegible], N. - Struggle [illegible] in an [illegible] p. 108
[illegible], N. - [illegible] p. 112.
[illegible], G. - Fire control [illegible] the defensive p. 115.
[illegible], M. - [illegible] according to materials of the Western press. p. 120
[illegible], H. - [illegible] according to materials of the Western press. p. 122.
Kas, I.A. - Chess. p. 127.

K. NAVAL SCIENCE

LENINGRAD. INSTITUT VODNOGO TRANSPORTA. Trudy [INSTITUTE OF WATER TRANSPORTATION. Transactions]. No. 42, 1963. Hidromekhanika korablia [The hydromechanics of a ship].

Table of contents translated:

Basin, A.M., [illegible], A.A. - Investigating the performance of partially submerged screw propellers. p. 3.
Basin, A.M., [illegible], G.A. - Experimental investigation of the characteristics of partially submerged screw propellers. p. 11.
[illegible], E.L., [illegible], A.M. - Analyzing the existing methods for the calculation of the [illegible] propeller complex. p. 27.
[illegible], M.P. - Two-dimensional problem on the interaction between an ideal propeller and a cylinder in a restricted flow. p. 44.
Frenkel', M.I. - Effect of the interaction between the propeller and wing on the hydromechanical characteristics of a hydrofoil boat. p. 57.
[illegible], A.D. - Action of steering gears of various kinds. p. 64.
Kogan, V.I., [illegible], M.Kh. - Positional hydromechanical characteristics of cargo ships for inland navigation. p. 73.
[illegible], N.A. - Solving the Navier-Stokes equation for the particular case of unsteady laminar flow and determination of [illegible] p. 85.

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 99, 1963. Tekhnicheskaia ekspluatatsiia morskogo flota [Technical Operation of Merchant Ships], no. 31.

Contents: [Automation of power plants on seagoing merchant ships] Avtomatizatsiia silovykh ustanovok morskikh transportnykh sudov. 73 p.

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Transactions]. No. 52, 1963. Tekhnicheskaia ekspluatatsiia morskogo flota [Technical Operation of Merchant Ships].

Contents: [Stress-rupture strength and creep of glass-reinforced plastics for use as shipbuilding material] Dlitel'naia prochnost' i polzuchest' stekloplastikov kak sudostroitel'nogo materiala. 97 p.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 24, no. 3, Mar. , 1964.

Table of contents translated:

Improve in all possible ways the quality of the technical operation of the fleet. p.1.
Rozenshtrakh, M. - Far-Eastern seamen on a working watch duty. p.3.
Nozdrin, D. - On a Communist Youth League assignment. p.5.
Combining work and study. p.5.
Kholosh, V. - From deficits to work with profit. p.6.
Volkov, V. - Operations of the Central Asiatic merchant fleet on regular cargo transportation lines. p.9.
Nesterovskii, B. - Loading and unloading of grain according to new procedures. p.10.
Starkov, IU. - Using frogs for the intersection of crane and railroad tracks. p.11.
Gordeev, A. - Wider use of synthetic materials in the merchant marine. p.14.
Khomenko, N. - Additive VNIH NP-111 protects diesel engine fuel equipment against corrosion. p.15.
Burak, L. - Guarantee merchant seamen with the regular use of their days off. p.16.
Blinnikov, M. - Effect of the maneuvering of a vessel on the accuracy of the readings of the "Kurs" gyrocompass at high latitudes. p.18.
Rumiantsev, A. - What should modern sailing directions be like? p.20.
Semikov, T. - Increasing the radar range for the detection of small craft with the help of angular deflectors. p.22.
Militskii, L. - Synchronous generators with self-regulation of voltage produced by the firm "Rade Koncar." p.24.
Kozlov, E. - Increasing the motive power of ships of the type "Andizhan" ["Indigent"]. p.26.
Veselov, N. - Characteristics of the operation of marine diesel engines in the tropics. p.28.
Zheltov, N. - New seagoing, self-propelled, catamaran-type crane vessel. p.31.
L'vovskii, V. - For a widespread introduction of defectoscopy into practices of the operation and repair of ships. p.33.
Shapovalov, P., Filippov, F. - Observation posts in the Sea of Azov. p.35.
Savel'ev, A. - Expansion of foreign trade relations of the U.S.S.R. and the objectives of the merchant marine. p.35.
Golodenko, I. - Caspian Sea transportation workers are expanding volunteer work. p.40.
Awards to volunteer workers. p.40.
Calculation and planning of dredging operations; review of letters received by the editors. p.41.
Lifshits, V. - Meteorological navigation. p.42.
Bulgarian exports are on the uprise. p.44.
Breev, A. - About the manual "Synthetic materials in shipbuilding and ship repairs." p.45.
From the Economic Conference in Novorossiisk. p.46.
Brief news:
  Progressive practices at the service of industry. p.47.
  Newspapers and journals for seamen in foreign navigation. p.47.
  Foreign seamen are astonished and grateful. p.47.
  Follow-up of published materials. p.48.

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet po sudostroeniiu SSSR and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee for Shipbuilding in the U.S.S.R. and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 30, no. 5(259), May 1964.

Table of contents translated:

Zakharov, B.N. - Lumber carrier "Maloyaroslavets." p.1.
Pashin, V.M. - Fields of efficient use of hydrofoil boats and ground-cushion vessels. p.5.
Osipchuk, V.B. - Visibility from a steerage deckhouse. p.6.
Biskup, P.K. - Effect of the length of standing time of tank vessels on their economic indices. p.7.
Dragomiretskii, V.B. - Coefficients of displacement of tanker hulls. p.9.
Korotkin, IA.I. - Estimating the general strength of tank vessels. p.11.
Kuz'michev, M.N., Lokshin, A.Z. - Nonlinear bending of plastic plates. p.15.
Nogid, L.M. - Justifying the propulsive speed and the structural elements of a proposed vessel. p.18.
Bibliography. pp.20, 33, 38, 41, 46, 57, 67.
Ivanov, P.V. - Design of recessed hawse holes. p.21.
Zolotov, S.S. - Device for the determination of the amount of air supplied through air distributors. p.24.
Zakharov, G.A. - Regulation and control of the combustion process in marine boilers. p.26.
Pushkin, N.I., Volkov, D.I. - Calculating the heat exchange in mazut-operated marine boiler fireboxes. p.29.
Bordovitsyn, IU.A. - New type of engine for ships with underwater wings. p.30.
Krishtal', N.D. - Nomograms for determining the coefficient of heat release during the laminary flow of water in ducts. p.32.
Serdinov, V.I. - Manual, KRS-30 marine compressor. p.34.
Strazhmeister, V.A., Shprintsin, V.N. - Selection of measuring elements for control systems. p.35.
Polonskii, V.I., Starkov, F.N. - Method of changing the electromagnetic constant of time for passive circuits. p.37.
Gushchin, I.E., Kozhushnik, S.I. - Plastic boat "Pallus." p.39.
Gundobin, A.A., Olenichev, G.M. - From practice of the side launching of ships. p.42.
Blagov, V.A., Tkachenko, V.A., Kudrets, V.G. - Manufacture of plastic ship furniture by the method of compressed air molding. p.44.
Stupin, O.K. - Indices of the economic efficiency of capital investments. p.47.
Fain, M.A. - Internal combustion engine testing stations in ship repair plants. p.49.
Vdovin, V.L. - Technology of the build-up welding of propeller shafts. p.51.
Pavlichenko, IU.N. - Universal scaffold for the repair and fitting-out of ships in floating docks. p.53.
Obrubko, A.I. - Economy in the use of high-tin babbitt. p.54.
Sukonkin, G.V. - Fiberglass superstructure for a seagoing launch. p.54.
Review of suggestions by efficiency promoters in plants. p.55.
Experimental investigation of the cavitation of propellers. p.58.
Reversible planetary reductors for ships. p.64.
Plans for a new passenger ship. p.64.
Air compressor of new design. p.65.
Powerful geared turbine. p.65.
Trial basin in the German Democratic Republic. p.66.
Arrangement of smoke stacks on diesel tankers. p.67.
Packing for turboblowers. p.67.
Sealing material for the repair of damaged areas of steampipes. p.67.
Modeling in shipbuilding. p.67.
Conference on problems of the present state and prospects for the introduction of synthetic materials in shipbuilding. p.68.
Kuznetsov, A.D. - Each enterprise should have a concrete plan of industrial chemicalization. p.68.
Bystrovskii, L.M. - Plenum of the Nikolayev Province Administration of the Scientific Technology Society. p.69.
Moriakov, A.I. - Current problems in river craft building. p.70.
Nikolai Aleksandrovich Agafonov; an obituary. p.71.
Bookshelf. p.34.
From the pages of books. pp.53, 71.

PART C

List of Periodicals Indexed and Abbreviations Used

* Titles listed for the first time

Agitator (6)	Agitator [Agitator]
Agrobiologiia (15a)	Agrobiologiia [Agrobiology]
Akush. i gin. (14b)	Akusherstvo i ginekologiia [Obstetrics and Gynecology]
Akust. zhur. (11)	Akusticheskii zhurnal [Journal of Acoustics]
Alium. splavy (17b)	Aliuminievye splavy [Aluminum Alloys]
Arkh. anat., gist. i embr. (13b)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]
Astron. tsir. (15b)	Astronomicheskii tsirkuliar [Astronomical Circular]
Astron. zhur. (11)	Astronomicheskii zhurnal [Astronomical Journal]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avt. prom. (16g)	Avtomobil'naia promyshlennost' [Automobile Industry]
Avtom. i telem. (16a)	Avtomatika i telemekhanika [Automation and Remote Control]
Avtom., telem. i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automation, Remote Control, and Communications]
BIKI (Prilozh.) (2a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information, Supplement]
Bibliotekar' (4b)	Bibliotekar' [The Librarian]
Biul. glav. bot. sada (15a)	Moscow. Glavnyi botanicheskii sad. Biulleten' [Main Botanical Garden. Bulletin]
Biul. izobr. i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. Min. vys. i sred. spets. obr. SSSR (4a)	Moscow. SSSR. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. (16a)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute of Scientific and Technical Information. Bulletin of Technical and Economic Information]
Bot. zhur. (15a)	Botanicheskii zhurnal [Botanical Journal]
Bukhg. uchet (2a)	Bukhgalterskii uchet [Accounting]
Bum. i der. prom. (16h)	Bumazhnaia i derevoobrabatyvaiushchaia promyshlennost' [Paper and Woodworking Industry]
Bumazh. mash. (16g)	Bumagodelatel'noe mashinostroenie [Paper-Making Machinery Manufacture]
Den. i kred. (2a)	Den'gi i kredit [Money and Credit]
Der. prom. (16h)	Derevoobrabatyvaiushchaia promyshlennost' [Woodworking Industry]
Dokl. AN Arm. SSR (13a)	Akademiia nauk Armianskoi SSR, Erevan. Doklady [Academy of Sciences of the Armenian S.S.R. Reports]
Dokl. AN Azerb. SSR (13a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S.S.R. Reports]
Dokl. AN BSSR (13a)	Akademiia nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Dokl. LPI (16a)	Lvov. Politekhnicheskii institut. Doklady [Polytechnic Institute. Reports]
Dokl. TSKhA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
Dop. AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S.S.R. Reports]
Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Ekon. sel'khoz. (7b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Eksper. khir. i anest. (14b)	Eksperimental'naia khirurgiia i anesteziologiia [Experimental Surgery and Anesthesiology]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Elektrichestvo (16e)	Elektrichestvo [Electricity]
Elektrosviaz' (16e)	Elektrosviaz' [Telecommunications]
Energ. stroi. (16e)	Energeticheskoe stroitel'stvo [Power Construction]
Energetik (16e)	Energetik [Electric Power Technician]
Energomashinostroenie (16g)	Energomashinostroenie [Power Machinery Construction]
Ent. oboz. (15b)	Entomologicheskoe obozrenie [Entomological Review]
Farmatsev. zhur. (14f)	Farmatsevtychnyi zhurnal [Pharmaceutical Journal]
Fin. SSSR (2a)	Finansy SSSR [Finances of the U.S.S.R.]
Fiz. tver. tela (12a)	Fizika tverdogo tela [Solid State Physics]
Gaz. delo (16h)	Gazovoe delo [Gas Industry]
Gaz. prom. (16h)	Gazovaia promyshlennost' [Gas Industry]
Geol. nefti i gaza (16h)	Geologiia nefti i gaza [The Geology of Petroleum and Gas]
Geol. rud. mest. (12b)	Geologiia rudnykh mestorozhdenii [Geology of Ore Deposits]
Gidr. i mel. (15a)	Gidrotekhnika i melioratsiia [Hydraulic Engineering and Reclamation]
Gidr. stroi. (16f)	Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Construction]
Gor. zhur. (16b)	Gornyi zhurnal [Mining Journal]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]
Inform. sbor. TSNIIMF, Tekh. ekspl. mor. flota (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Tekhnicheskaia ekspluatatsiia morskogo flota [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Technical Operation of Merchant Ships]

Inzh.-fiz.zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
Iskusstvo (10a)	Iskusstvo [Art]
Issl.po uprug. i plast. (13f)	Issledovaniia po uprugosti i plastichnosti [Studies on Elasticity and Plasticity]
Izobr.i rats. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Izv.AN Arm.SSR. Biol.nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Biological Sciences]
Izv.AN Arm.SSR. Khim.nauki (13d)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Khimicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Chemical Sciences]
Izv.AN Arm. SSR.Nauki o zem. (12c)	†Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Nauki o zemle [Academy of Sciences of the Armenian S.S.R. Bulletin. Earth Sciences]
Izv.AN Arm.SSR. Obshchestv.nauki (1a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Social Sciences]
Izv.AN Azerb. SSR. Ser.biol. i med. nauk (13c)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia biologicheskikh i meditsinskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Biological and Medical Sciences]
Izv.AN Azerb. SSR. Ser. obshchestv. nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Social Sciences]
Izv.AN Kazakh. SSR.Ser.biol. nauk (13c)	†Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia biologicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Biological Sciences]
Izv.AN Kazakh. SSR.Ser.fiz.-mat.nauk (13f)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Physico-mathematical Sciences]
Izv.AN Mold.SSR (1a)	Akademiia nauk Moldavskoi SSR. Izvestiia [Academy of Sciences of the Moldavian S.S.R. Bulletin]
Izv.AN SSSR.Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. [Physical Series]
Izv.AN SSSR. Ser.geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]
Izv.AN SSSR.Ser. geog. (12b)	Akademiia nauk SSSR. Izvestiia. Seriia geograficheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]
Izv.AN SSSR.Ser. khim. (13d)	Akademiia nauk SSSR. Izvestiia. Seriia khimicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Chemical Series]
Izv.AN SSSR.Ser. lit.i iaz. (11b)	Akademiia nauk SSSR. Izvestiia. Seriia literatury i iazyka [Academy of Sciences of the U.S.S.R. Bulletin. Series in Literature and Language]
Izv.AN SSSR.Ser. mat. (13e)	Akademiia nauk SSSR. Izvestiia. Seriia matematicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]
Izv.AN Turk. SSR Ser.biol. nauk (13c)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia biologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Biological Sciences]
Izv.AN Uz.SSR. Ser.fiz.-mat. nauk (13f)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]
Izv.AN Uz.SSR. Ser.tekh.nauk (16a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia tekhnicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Technical Sciences]
Izv.Astron. obser.Kaz. gos.un. (13b)	† Kazan. Universitet. Astronomicheskaia observatoriia. Izvestiia [University. Astronomical Observatory. Bulletin]
Izv.Komi fil. Geog.ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR. Komi filial. Izvestiia [Geographical Society of the U.S.S.R. Komi Branch. Bulletin]
Izv.Mold.fil. AN SSSR (1a)	Akademiia nauk SSSR. Moldavskii filial. Izvestiia [Academy of Sciences of the U.S.S.R. Moldavian Branch. Bulletin]
Izv.Sev.-Oset. nauch.-issl.inst. (1a)	Ordzhonikidze. Severo-Osetinskii nauchno-issledovatel'skii institut. Izvestiia [North Ossetian Scientific Research Institute. Bulletin]
Izv.vys.ucheb. zav.;fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]

Izv.vys.ucheb. zav.;neft' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]
Izv.vys.ucheb. zav.; stroi.i arkhit. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv.vys.ucheb. zav.; tekh.leg. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]
Kardiologiia (14a)	Kardiologiia [Cardiology]
Khim.;sist.uk.st. v inostr.zhur. (13d)	Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classed Index of Articles in Foreign Periodicals]
Khim.prom. (16c)	Khimicheskaia promyshlennost' [Chemical Industries]
Khim.prom. [Ukr.] (16c)	Khimichna promyslovist' [Chemical Industries]
Khim.v sel'. khoz. (15a)	Khimiia v sel'skom khoziaistve [Chemistry in Agriculture]
Khirurgiia (14h)	Khirurgiia [Surgery]
Khleb.i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Khol.tekh. (16c)	Kholodil'naia tekhnika [Refrigeration Engineering]
Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Komm.Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kons.i ov.prom. (16c)	Konservnaia i ovoshchesushil'naia promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Krat.soob.Inst. arkheol. (4b)	Akademiia nauk SSSR. Institut arkheologii. Kratkie soobshcheniia o dokladakh i polevykh issledovaniiakh [Academy of Sciences of the U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]
Krat.soob.Inst. nar.Az. (4a)	Akademiia nauk SSSR. Institut narodov Azii. Kratkie soobshcheniia [Academy of Sciences of the U.S.S.R. Institute of the Peoples of Asia. Brief reports]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kryl.rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Lab.delo (14e)	Laboratornoe delo [Laboratory Work]
Let.gazet.st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let.izobr.isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]
Let.muz.lit. (9b)	Letopis' muzykal'noi literatury [Chronicle of Musical Literature]
Let.zhur.stat. (2a)	Letopis' zhurnal'nykh statei[Chronicle of Periodical Articles]
Lit.i isk.nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries]
Lit.i pol.iskop. (12c)	Litologiia i poleznye iskopaemye [Lithology and Mineral Resources]
Mash.i neft.obor. (16h)	Mashiny i neftianoe oborudovanie [Machinery and Petroleum Equipment]
Mat.i issl.po arkheol.SSSR (4b)	Materialy i issledovaniia po arkheologii SSSR [Materials and Research in the Archaeology of the U.S.S.R.]
Mat.k pozn.fauny i flory SSSR. Otd.zool. (13c)	Materialy k poznaniiu fauny i flory SSSR. Otdel zoologicheskii [Contributions to the Knowledge of the Fauna and Flora of the U.S.S.R. Zoological Section]
Mat.Otd.ucheb. geog.Geog.ob-va SSSR (12b)	†Geograficheskoe obshchestvo SSSR. Otdelenie uchebnoi geografii. Materialy [Geographical Society of the U.S.S.R. Department of Geographical Education. Materials]
Mat.po geol.i pol.iskop. Chit.obl. (12c)	†Materialy po geologii i poleznym iskopaemym Chitinskoi oblasti [Materials on the Geology and Mineral Resources of Chita Province]
Mat.sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Matematika (13e)	Matematika; periodicheskii sbornik perevodov inostrannykh statei [Mathematics; Translations of Foreign Articles]
Med.rad. (14a)	Meditsinskaia radiologiia [Medical Radiology]

Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Mekhanika (16g)	Mekhanika; periodicheskii sbornik perevodov inostrannykh statei [Mechanics; Translations of Foreign Articles]
Merzl. issl. (13b)	Merzlotnye issledovaniia [Permafrost Research]
Metalloved. i term. obr. met. (16b)	Metallovedenie i termicheskaia obrabotka metallov [Metallography and Heat Treatment of Metals]
Meteor. i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Mezhdunar. zhizn' (8)	Mezhdunarodnaia zhizn' [International Life]
Mikrobiologiia (13c)	Mikrobiologiia [Microbiology]
Mont. i spets. rab. v stroi. (16d)	Montazhnye i spetsial'nye raboty v stroitel'stve [Assembly and Specialized Operations in Construction]
Mor. flot (11b)	Morskoi flot [The Merchant Marine]
Muk.-elev. prom. (16f)	Mukomol'no-elevatornaia promyshlennost' [Flour Milling and Grain Storage]
NII (16a)	[illegible] Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information [illegible] Technical Information]
NTO (16a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific and Technical Societies. Scientific and Technical Societies of the U.S.S.R.]
Nach. shkola (8a)	Nachal'naia shkola [Primary School]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
Nauch. zap. Od. politekh. inst. (16a)	Odessa. Politekhnicheskii institut. Nauchnye zapiski [Polytechnic Institute. Odessa. Studies]
Nauch. zap. Ukr. nauch.-issl. i proekt. inst. (16b)	Kiev. Ukrainskii nauchno-issledovatel'skii i proektnyi institut ugol'noi, rudnoi, neftianoi i gazovoi promyshlennosti "Ukrniiproekt." Nauchnye zapiski [State Scientific Research and Planning Institute for the Coal, Ore, Petroleum, and Gas Industries "Ukrniiproekt." Studies]
Nauch. prats. L'viv. sil'hosp. inst., zootekh. fak. (13b)	‡ L'vivs'kyi sil's'kohospodars'kyi instytut. Zootekhnichnyi fakul'tet. Naukovi pratsi [Agricultural Institute. Faculty of Animal Husbandry. Studies]
Nauch. zap. Ukr. poligr. inst. (1a)	‡ L'vov. Ukrainskii poligraficheskii institut. Nauchnye zapiski [Ukrainian Printing Institute. Studies]
Neft. khoz. (16b)	Neftianoe khoziaistvo [The Petroleum Industry]
Neftegaz. geol. i geofiz. (16b)	Neftegazovaia geologiia i geofizika [Petroleum and Gas Geology and Geophysics]
Neftekhimiia (16c)	Neftekhimiia [Petrochemistry]
Neftepererab. i neftekhim. (16b)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Neftepromysl. delo (16b)	Neftepromyslovoe delo [Petroleum Production]
Nov. i noveish. ist. (4a)	Novaia i noveishaia istoriia [Modern and Recent History]
Nov. inostr. ekon. lit. (5b)	Novaia inostrannaia ekonomicheskaia literatura [New Foreign Economic Literature]
Nov. inostr. lit. po filos. (3a)	Novaia inostrannaia literatura po filosofii [New Foreign Literature on Philosophy]
Nov. inostr. lit. po iaz. (11a)	Novaia inostrannaia literatura po iazykoznaniiu [New Foreign Literature on Linguistics]
Nov. inostr. lit. po ist., arkheol. i etn. (4a)	Novaia inostrannaia literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi, ezhened. bibl. zhur. (2a)	Novye knigi, ezhenedel'nyi bibliograficheskii zhurnal [New Books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U.S.S.R.]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriia A. Matematika, mekhanika, astronomiia, geofizika, fizika, khimiia, geologiia, fizicheskaia geografiia [New Foreign Books. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]
Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom. Seriia B: Tekhnika [New Foreign Books. Series B: Technology]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]
Nov. lit. po Bolg. (2a)	Novaia literatura po Bolgarii [New Literature on Bulgaria]
Nov. lit. po Chekh. (2a)	Novaia literatura po Chekhoslovakii [New Literature on Czechoslovakia]
Nov. lit. po Ger. Dem. Resp. (2a)	Novaia literatura po Germanskoi Demokraticheskoi Respublike [New Literature on the German Democratic Republic]
Nov. lit. po Iug. (2a)	Novaia literatura po Iugoslavii [New Literature on Yugoslavia]
Nov. lit. po Pol'. (2a)	Novaia literatura po Pol'she [New Literature on Poland]
Nov. lit. po Veng. (2a)	Novaia literatura po Vengrii [New Literature on Hungary]
Nov. med. tekh. (14a)	Novosti meditsinskoi tekhniki [New Developments in Medical Equipment]
Nov. sov. ekon. lit. (5b)	Novaia sovetskaia ekonomicheskaia literatura [New Soviet Economic Literature]
Nov. sov. lit. o nauke i nauch. rab. v SSSR (2a)	Novaia sovetskaia literatura o nauke i nauchnoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]
Nov. sov. lit. po filos. (3a)	Novaia sovetskaia literatura po filosofii [New Soviet Literature on Philosophy]
Nov. sov. lit. po iaz. (11a)	Novaia sovetskaia literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Nov. sov. lit. po ist., arkheol. i etn. (4a)	Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Nov. sov. lit. po lit. (11b)	Novaia sovetskaia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nov. tekh. zhil.-kom. khoz.; Blagoustr. gor. (16d)	‡ Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva; Blagoustroistvo gorodov [New Technology for Housing and Communal Services; Municipal Services]
Nov. tov. (5a)	Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
Nov. vrem. (8)	Novoe vremia [New Times]
Obog. rud (16b)	Obogashchenie rud [Ore Dressing]
Okhr. truda i sots. strakh. (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Oktiabr' (11b)	Oktiabr' [October]
Ornitologiia (13c)	Ornitologiia [Ornithology]
Osnovy nematodologii (13c)	Akademiia nauk SSSR. Gel'mintologicheskaia laboratoriia. Osnovy nematodologii [Academy of Sciences of the U.S.S.R. Helminthological Laboratory. Principles of Nematodology]
PMTF (16a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]

Part. zhizn' (6)	Partiinaia zhizn' [Party Life]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Plast. massy (16c)	Plasticheskie massy [Plastics]
Poligrafiia (2c)	† Poligrafiia [Printing]
Pratsi Inst. geol. nauk AN URSR. Ser. hidrogeol. i inzh. geol. (12c)	Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Pratsi. Seriia hidrogeologii i inzhenernoi geologii [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. Series in Hydrogeology and Engineering Geology]
Pratsi Od. un. Zbir. stud. rob. (1a)	Odessa. Universytet. Pratsi. Zbirnyk students'kykh robit [University. Transactions. Collected Student Papers]
Prib. i tekh. eksp. (13f)	Pribory i tekhnika eksperimenta [Instruments and Experimental Techniques]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Prim. usover. skhem elektropriv. v prom. (16e)	† Primenenie usovershenstvovannykh skhem elektroprivodov v promyshlennosti [Use of Improved Electric Drive Systems in Industry]
Priroda (13a)	Priroda [Nature]
Probl. Arkt. i Antarkt. (12b)	Problemy Arktiki i Antarktiki [Problems of the Arctic and the Antarctic]
Probl. kosm. biol. (13c)	Problemy kosmicheskoi biologii [Problems of Cosmic Biology]
Prof.-tekh. obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]
Prom. energ. (16e)	Promyshlennaia energetika [Industrial Power]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]
Prykl. mekh. (16g)	Prykladna mekhanika [Applied Mechanics]
Put' i put. khoz. (16d)	Put' i putevoe khoziaistvo [Railroad Tracks and Roadway Maintenance]
Radio (16e)	Radio [Radio]
Radiokhimiia (13d)	Radiokhimiia [Radiochemistry]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]
Ref. zhur.: Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]
Ref. zhur.: Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
Ref. zhur.: Gor. mash. (16h)	Referativnyi zhurnal: Gornye mashiny (Otdel'nyi vypusk 43) [Journal of Abstracts: Mining Machinery (Separate Issue 43)]
Ref. zhur.: IAd. reak. (16e)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Ref. zhur.: Issl. kosm. prostr. (13b)	† Referativnyi zhurnal: Issledovanie kosmicheskogo prostranstva (Otdel'nyi vypusk 62) [Journal of Abstracts: Space Research (Separate Issue 62)]
Ref. zhur.: Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts: Chemistry]
Ref. zhur.: Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur.: Lesoved. i lesovod. (15c)	Referativnyi zhurnal: Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur.: Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur.: Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal: Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur.: Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur.: Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Ref. zhur.: Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
Ref. zhur.: Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts. Plant Culture (Separate Issue 55)]
Ref. zhur.: Stroi. i arkhit. (16d)	Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
Ref. zhur.: Stroi. i dor. mash. (16g)	Referativnyi zhurnal: Stroitel'nye i dorozhnye mashiny (Otdel'nyi vypusk 60) [Journal of Abstracts: Construction Equipment and Road Machinery (Separate Issue 60)]
Ref. zhur.: Tekh. i obor. tsel.-bum. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiia i oborudovanie tselliulozno-bumazhnogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Woodpulp, Paper, and Printing Industry (Separate Issue 37)]
Ref. zhur.: Tekh. mashinostr. (16g)	Referativnyi zhurnal: Tekhnologiia mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur.: Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur.: Turbostr. (16g)	Referativnyi zhurnal: Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistvie raznykh vidov transporta i konteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo. Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]
Rus. fol'k. (11b)	Russkii fol'klor; materialy i issledovaniia [Russian Folklore; Materials and Studies]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]
Sakh. prom. (16c)	Sakharnaia promyshlennost' [Sugar Industry]
San. okhr. vod. ot zagr. prom. stoch. vod. (16d)	† Sanitarnaia okhrana vodoemov ot zagriazneniia promyshlennymi stochnymi vodami [Sanitary protection of reservoirs from Pollution by Industrial Wastes]
Sbor. nauch. soob. SPI (16a)	† Saratov. Politekhnicheskii institut. Sbornik nauchnykh soobshchenii [Polytechnic Institute. Scientific Reports]

Sbor. po obm. opyt. v tsem. prom. (16d)	Sbornik po obmenu opytom v tsementnoi promyshlennosti [Papers for Exchange of Experience in the Cement Industry]
Sbor. post. VTsSPS (5d)	Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuzov. Sbornik postanovlenii [All-Union Central Council of Trade Unions. Decisions]
Sbor. rab. Inst. tsit. (13c)	Akademiia nauk SSSR. Institut tsitologii. Sbornik rabot [Academy of Sciences of the U.S.S.R. Institute of Cytology. Papers]
Sbor. trud. TsNII. tekh.-ekon. inst. TsNIIChM (16b)	Moscow. Tsentral'nyi nauchno-issledovatel'skii institut chernoi metallurgii. Otdel tekhniko-ekonomicheskikh issledovanii. Sbornik trudov [Central Scientific Research Institute of Ferrous Metallurgy. Department of Technical and Economic Studies. Papers]
Sel'. khoz. (15a)	Sel'skoe khoziaistvo, sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture, Classified Index of Articles in Foreign Periodicals]
Sel'khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaia literatura SSSR [Agricultural Literature of the U.S.S.R.]
Sem'ia i shko-la (8a)	Sem'ia i shkola [Family and School]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Sib. mat. zhur. (13c)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Soob. AN Gruz. SSR (1a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Soobshcheniia [Academy of Sciences of the Georgian S.S.R. Reports, Russian language edition]
Soob. po vych. tekh. (13e)	Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi tekhnike [Academy of Sciences of the U.S.S.R. Computing Center. Reports on Computer Technology]
Sots. obesp. (5c)	Sotsial'noe obespechenie [Social Security]
Sots. trud (5a)	Sotsialisticheskii trud [Socialist Labor]
Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. bibl. (2a)	Sovetskaia bibliografiia [Soviet Bibliography]
Sov. geol. (12a)	Sovetskaia geologiia [Soviet Geology]
Sov. gos. i prava (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. med. (11a)	Sovetskaia meditsina [Soviet Medicine]
Sov. muz. (8b)	Sovetskaia muzyka [Soviet Music]
Sov. pedagogika (8a)	Sovetskaia pedagogika [Soviet Pedagogy]
Sov. shakht. (16b)	Sovetskii shakhter [Soviet Miner]
Sov. torg. (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (12a)	Sovetskii voin [Soviet Soldier]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Stand. i tip. progr. BESM-2 (13e)	Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2 [Academy of Sciences of the U.S.S.R. Computation Center. Standard Programs for the BESM-2]
Standartizatsiia (16a)	Standartizatsiia [Standardization]
Stroi. i arkhit. Len. (16c)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Stroi. i arkhit. Mosk. (16c)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]
Stroi. i dor. mash. (16g)	Stroitel'nye i dorozhnye mashiny [Construction and Road Machinery]
Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Svod. biul. nov. inostr. knig, Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Technology]
Tekh. i vooruzh. (17a)	Tekhnika i vooruzhenie [Technology and Armaments]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Tekst. prom. (16f)	Tekstil'naia promyshlennost' [Textile Industry]
Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Culture]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Teplofiz. vys. temp. (13f)	Teplofizika vysokikh temperatur [Thermophysics of High Temperatures]
Trakt. i sel'khoz-mash. (10g)	Traktory i sel'khozmashiny [Tractors and Agricultural Machinery]
Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy AANII (13b)	Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Trudy AZVI (15b)	Alma-Ata. Zoovetorinarnyi institut. Trudy [Zootechnical and Veterinary Institute. Transactions]
Trudy AzNIIRKh (13c)	Rostov-on-Don. Azovskii nauchno-issledovatel'skii institut rybnogo khoziaistva. Trudy [Azov Scientific Research Institute of Fisheries. Transactions]
Trudy Bibl. AN SSSR (2a)	Akademiia nauk SSSR. Biblioteka. Trudy Biblioteki Akademii nauk SSSR i Fundamental'noi biblioteki obshchestvennykh nauk AN SSSR [Academy of Sciences of the U.S.S.R. Library. Transactions of the Library of the Academy of Sciences of the U.S.S.R. and of the Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]
Trudy Bot. inst. Ser. 8 (13c)	Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seriia 8. Paleobotanika [Academy of Sciences of the U.S.S.R. Botanical Institute. Transactions. Series 8. Paleobotany]
Trudy Bot. inst. AN Tadzh. SSR (13c)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Botanicheskii institut. Trudy [Academy of Sciences of the Tajik S.S.R. Botanical Institute. Transactions]
Trudy Chech.-Ing. nauch.-issl. inst. ist., iaz. i lit. (1a)	Groznyy. Checheno-Ingushskii nauchno-issledovatel'skii institut istorii, iazyka i literatury. Trudy [Chechen-Ingush Research Institute of History, Language, and Literature. Transactions]
Trudy DIIT (16g)	Dnepropetrovsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy DVPI (16a)	Vladivostok. Dal'nevostochnyi politekhnicheskii institut. Trudy [Far Eastern Polytechnic Institute. Transactions]
Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]
Trudy GIN (13c)	Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
Trudy GPI [Gruz.] (16a)	Tiflis. Gruzinskii politekhnicheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
Trudy Gidrobiol. ob-va (13c)	Vsesoiuznoe gidrobiologicheskoe obshchestvo. Trudy [All-Union Hydrobiological Society. Transactions]
Trudy Gos. nauch.-issl. psikhonevr. inst. (14c)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii psikhonevrologicheskii institut. Trudy [State Psychoneurological Scientific Research Institute. Transactions]
Trudy IPI (16a)	Ivanovo. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy Inst. antisseism. stroi. AN Turk. SSR (16d)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut antiseismicheskogo stroitel'stva. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Earthquake-Resistant Construction. Transactions]
Trudy Inst. ekon. AN Gruz. SSR (5a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut ekonomiki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Economics. Transactions]
Trudy Inst. elektrokhim. UFAN SSSR (13a)	Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut elektrokhimii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Electrochemistry. Transactions]
Trudy Inst. etn. (12a)	Akademiia nauk SSSR. Institut etnografii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Ethnography. Transactions]
Trudy Inst. fiz. Zem. (13f)	Akademiia nauk SSSR. Institut fiziki Zemli. Trudy [Academy of Sciences of the U.S.S.R. Institute of Physics of the Earth. Transactions]
Trudy Inst. fiziol. AN Gruz. SSR (13e)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut fiziologii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Physiology. Transactions]
Trudy Inst. geog. AN Gruz. SSR (13b)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut geografii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geography. Transactions]
Trudy Inst. geol. AN Tadzh. SSR (13c)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut geologii. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of Geology. Transactions]
Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]
Trudy Inst. geol. nauk AN Kazakh. SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Geological Sciences. Transactions]
Trudy inst. Kom. stand., mer i izm. prib. (16a)	Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]

Trudy Inst. kraev. eksper. med. (14a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Institut kraevoi eksperimental'noi meditsiny. Trudy [Academy of Sciences of the Uzbek S. S. R. Institute of Endemic Experimental Medicine. Transactions]
Trudy Inst. met. i obog. AN Kazakh. SSR (16h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut metallurgii i obogashcheniia. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Metallurgy and Ore Dressing. Transactions]
Trudy Inst. okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U. S. S. R. Institute of Oceanography. Transactions]
Trudy Inst. zool. AN Gruz. SSR (13c)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut zoologii. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Zoology. Transactions]
Trudy Irk. IEG (14a)	‡Irkutsk. Nauchno-issledovatel'skii institut epidemiologii i gigieny. Trudy [Scientific Research Institute of Epidemiology and Hygiene. Transactions]
Trudy LIEI (16a)	Leningrad. Leningradskii inzhenerno-ekonomicheskii institut. Trudy [Leningrad Engineering and Economics Institute. Transactions]
Trudy LIVT (17b)	Leningrad. Institut vodnogo transporta. Trudy [Institute of Water Transportation. Transactions]
Trudy LPI (16a)	Leningrad. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy Lab. gidr. sooruzh. VODGEO (16d)	‡Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut vodosnabzheniia, kanalizatsii, gidrotekhnicheskikh sooruzhenii i inzhenernoi gidrogeologii. Laboratoriia gidrotekhnicheskikh sooruzhenii. Trudy [All-Union Scientific Research Institute of Water Supply, Sewerage, Hydraulic Structures and Engineering Hydrogeology. Laboratory of Hydraulic Structures. Transactions]
Trudy MEI (16g)	Moscow. Energeticheskii institut. Trudy [Power Engineering Institute. Transactions]
Trudy MEI. Ser. GE (16e)	‡Moscow. Energeticheskii institut. Trudy. Seriia: Gidroenergetika [Power Engineering Institute. Transactions. Hydroelectric Power Series]
Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
Trudy MIKHM (16c)	Moscow. Institut khimicheskogo mashinostroeniia. Trudy [Institute of Chemical Machinery Manufacture. Transactions]
Trudy MINKHiGP (16h)	Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti. Trudy [Institute of the Petrochemical and Gas Industry. Transactions]
Trudy NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy [Scientific Research Institute of Arctic Geology. Transactions]
Trudy Nauch.-issl. rybokhoz. sta. Gruz. (15b)	‡Batum. Nauchno-issledovatel'skaia rybokhoziaistvennaia stantsiia Gruzii. Trudy [Fishery Research Station of Georgia. Transactions]
Trudy Od. un. Ser. geol. i geog. nauk (12c)	Odessa. Universytet. Trudy. Seriia geologicheskikh i geograficheskikh nauk [University. Transactions. Series in the Geological and Geographical Sciences]
Trudy Paleont. Inst. (12c)	Akademiia nauk SSSR. Paleontologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Institute of Paleontology. Transactions]
Trudy Perm. gos. med. inst. (14a)	‡Perm. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy SBS (13c)	Akademiia nauk SSSR. Sevastopol'skaia biologicheskaia stantsiia. Trudy [Academy of Sciences of the U.S.S.R. Sevastopol Biological Station. Transactions]
Trudy Smol. NIVS (15b)	‡Smolensk. Nauchno-issledovatel'skaia veterinarnaia stantsiia. Trudy [Veterinary Research Station. Transactions]
Trudy Soiuz-NIKHI (15d)	Tashkent. Vsesoiuznyi nauchno-issledovatel'skii institut khlopkovodstva. Trudy [All-Union Scientific Research Institute of Cotton Growing. Transactions]
Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. (13f)	Sredneaziatskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Central Asia Hydrometeorological Research Institute. Transactions]
Trudy TSAO (13f)	TSentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy TSNIIMF (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]
Trudy Tbil. GU (1a)	Tiflis. Universitet. Trudy [University. Transactions]
Trudy Turk. geog. ob-va (12b)	‡Turkmenskoe geograficheskoe obshchestvo. Trudy [Turkmen Geographical Society. Transactions]
Trudy VIMS (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy [All-Union Scientific Research Institute of Mineral Resources. Transactions]
Trudy VNIGNI (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi neftianoi institut. Trudy [All-Union Scientific Research Institute of Petroleum Geology and Prospecting. Transactions]
Trudy VNIGRI (16h)	Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
Trudy VNII NP (16c)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po pererabotke nefti. Trudy [All-Union Institute of Scientific Research on Petroleum Refining. Transactions]
Trudy VNIIBT (16h)	Vsesoiuznyi nauchno-issledovatel'skii institut burovoi tekhniki. Trudy [All-Union Scientific Research Institute of Drilling Techniques. Transactions]
Trudy VNII-Gidrouglia (16h)	Novokuznetsk. Vsesoiuznyi nauchno-issledovatel'skii i proektno-konstruktorskii institut dobychi uglia gidravlicheskim sposobom. Trudy [All-Union Scientific Research and Design Institute for the Hydraulic Mining of Coal. Transactions]
Trudy VNIIGiM (15a)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrotekhniki i melioratsii. Trudy [All-Union Scientific Research Institute of Hydraulic Engineering and Reclamation. Transactions]
Trudy VNIIStroidormash (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut stroitel'nogo i dorozhnogo mashinostroeniia. Trudy [All-Union Scientific Research Institute of Construction and Road Machinery Building. Transactions]
Trudy VNIIZ (15d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Trudy [All-Union Scientific Research Institute of Grain and Grain Products. Transactions]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
Trudy VSEGINGEO (12c)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy [All-Union Scientific Research Institute of Hydrogeology and Engineering Geology. Transactions]
Trudy Vost.-Sib. fil. AN SSSR (1a)	Akademiia nauk SSSR. Vostochno-Sibirskii filial, Irkutsk. Trudy [Academy of Sciences of the U. S. S. R. East Siberian Branch. Transactions]
Trudy Vych. tsentra AN Gruz. SSR (13e)	Akademiia nauk Gruzinskoi SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [Academy of Sciences of the Georgian S. S. R. Computation Center. Transactions]
Uch. zap. Chern. un. Ser. geol. nauk (12c)	‡Chernovtsy. Universytet. Uchenye zapiski. Seriia geologicheskikh nauk [University. Studies. Series in the Geological Sciences]
Uch. zap. Inst. slav. (4a)	Akademiia nauk SSSR. Institut slavianovedeniia. Uchenye zapiski [Academy of Sciences of the U. S. S. R. Institute of Slavic Studies. Studies]
Uch. zap. Inst. vost. AN Azerb. SSR (4a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut vostokovedeniia. Uchenye zapiski [Academy of Sciences of the Azerbaijan S. S. R. Institute of Oriental Studies. Studies]
Uch. zap. Kab.-Balk. gos. un. (1a)	Nalchik. Kabardino-Balkarskii gosudarstvennyi universitet. Uchenye zapiski [Kabardino-Balkar State University. Studies]
Uch. zap. Kaf. obshchest. nauk vuz. g Len; Filos. (3a)	Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada; Filosofiia [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education; Philosophy]
Uch. zap. Kaf. obshchestv. nauk vuz. g Len.; Ist. KPSS (6)	Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada; Istoriia KPSS [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education; History of the Communist Party of the Soviet Union].
Uch. zap. Kazakh. un. (1a)	Alma-Ata. Universitet. Uchenye zapiski [University. Studies]
Uch. zap. Kras. gos. ped. inst. (1a)	Krasnoyarsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]
Uch. zap. Petrozav. gos. un. (1a)	Petrozavodsk. Universitet. Uchenye zapiski [University. Studies]
Uch. zap. VIIUN (7)	Moscow. Vsesoiuznyi institut iuridicheskikh nauk. Uchenye zapiski [All-Union Institute of Juridical Sciences. Studies]
Uch. zap. Velikoluk. gos. ped. inst. (1a)	Velikiye Luki. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Ugol' Ukr. (16h)	Ugol' Ukrainy [Coal of the Ukraine]
Ukr. ist. zhur. (4a)	Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical Journal]

Ukr.khim.zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Usp.fiz.nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Usp.khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Usp.mat.nauk (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]
Usp.sovr.biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Uzb.biol.zhur. (13c)	Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]
Ved.Verkh.Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved.Verkh.Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest.AMN SSSR (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S.R. Journal]
Vest.AN SSSR (1a)	Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Vest.derm.i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest.drev.ist. (4a)	Akademiia nauk SSSR. Institut istorii. Vestnik drevnei istorii [Academy of Sciences of the U.S.S.R. Institute of History. Review of Ancient History]
Vest.mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest.Mosk.un. Ser.1:Mat., mekh. (13e)	Moscow. Universitet. Vestnik. Seriia 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Vest.Mosk.un. Ser.2: Khim. (13d)	Moscow. Universitet. Vestnik. Seriia 2: Khimiia [University. Review. Series 2: Chemistry]
Vest.Mosk.un. Ser.5: Geog. (12b)	Moscow. Universitet. Vestnik. Seriia 5: Geografiia [University. Review. Series 5: Geography]
Vest.Mosk.un. Ser.6: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review. Series 6: Biology, Soil Science]
Vest.Mosk.un. Ser. 8: Ekon., filos. (5b)	Moscow. Universitet. Vestnik. Seriia 8: Ekonomika, filosofiia [University. Review. Series 8: Economics, Philosophy]
Vest.Mosk.un. Ser.9: Ist. (4a)	Moscow. Universitet. Vestnik. Seriia 9: Istoriia [University. Review. Series 9: History]
Vest.rent.i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Vest.sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Vest.sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science], Kazakhstan.
Vest.stat. (5b)	Vestnik statistiki [Statistical Review]
Vest.sviazi (16e)	Vestnik sviazi [Communications Review]
Vestsi AN BSSR. Ser.biial.nav. (13c)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia biialagichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Biological Sciences]
Voen.-ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Hournal[
Voen.vest. (17a)	Voennyi vestnik [Military Review]
Voen.znan. (17a)	Voennye znaniia [Military Knowledge]
Vop.ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Vop.filos. (3a)	Voprosy filosofii [Problems of Philosophy]
Vop.fil'tr.rasch. gidr.soor. (16d)	Voprosy fil'tratsionnykh raschetov gidrotekhnicheskikh sooruzhenii [Problems of Seepage Calculations for Hydraulic Engineering Structures]
Vop.ist. (4a)	Voprosy istorii [Problems of History]
Vop.med.khim. (14f)	Voprosy meditsinskoi khimii [Problems of Medical Chemistry]
Vop.med.virus. (14e)	Voprosy meditsinskoi virusologii [Problems of Medical Virology]
Vop.onk. (14e)	Voprosy onkologii [Problems of Oncology]
Vop.radiobiol. [AN Arm.SSR] (13c)	Voprosy radiobiologii; sbornik trudov [Problems of Radiobiology]
Vop.raket.tekh. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Vop.virus. (13c)	Voprosy virusologii [Problems of Virology]
Vsem.prof. dvizh. (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Vysokom.soed. (13d)	Vysokomolekuliarnye soedineniia [Macromolecular Compounds]
Zakonom.razm. polezn.iskop. (12c)	Zakonomernosti razmeshcheniia poleznykh iskopaemykh [Characteristics of the Distribution of Mineral Resources]
Zap.LGI (16h)	Leningrad. Gornyi institut. Zapiski [Institute of Mining. Records]
Zap.Otd.ruk. (2a)	Moscow. Publichnaia biblioteka. Otdel rukopisei. Zapiski [Public Library (Lenin State). Manuscript Division. Records]
Zap.Vses.min. ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo. Zapiski [All-Union Mineralogical Society. Annals]
Zap.Zabaik.otd. Geog.ob-va SSSR (12b)	+ Geograficheskoe obshchestvo SSSR. Zabaikal'skii otdel. Zapiski [Geographical Society of the U.S.S.R. Transbaikal Branch. Annals]
Zarub.radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
Zashch.rast.ot vred.i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhel.dor.transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhur.eksp.i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zhur.fiz.khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zhur.mikrobiol., epid.i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
Zhur.mod. (16f)	Zhurnal mod [Fashion Magazine]
Zhur.nevr.i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
Zhur.ob.khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zhur.strukt. khim. (13d)	Zhurnal strukturnoi khimii [Journal of Structural Chemistry]
Zhur.tekh.fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhur.vych.mat. i mat.fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Zhur.vys.nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
Zool.zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

ACTH

ACTH and corticosteroid hormones in the treatment of eczema in nursing infants and young children [with summary in English]. M.E. Lipets. Vest. derm. i ven. 37 no.9:29-34 S '63.

Effect of ACTH, cortisone and prednisone on the course of strophulus. M.E. Lipets. Vest. derm. i ven. 37 no. 6:69-73 Je '63.

Effect of cortisone and adrenocorticotropic hormone on oxygen consumption by irradiated rats. S.P. Vlasenko, D.Kh. Garibian. Vop. radiobiol. [AN Arm. SSR] 3/4: 145-150 '63.

ABASHA VALLEY—GEOMORPHOLOGY

Geomorphological study of the adjacent territories of Imeretia and Mingrelia (the part of the Tskhenis-Tskali and the Abasha River Basins). G.Z. Changashvili. Trudy Inst. geog. AN Gruz. SSR 18:82-84 '63.

ABBREVIATIONS, RUSSIAN

Propagandist's dictionary. Mezhdunar. zhizn' 11 no. 6: 151-152 Je '64.

ABDOMEN—BLOOD SUPPLY

Role of newly formed and existing collaterals in the restoration of blood circulation in some organs of the abdominal cavity. T. P. Gorbasheva. Arkh. anat. gist. i embr. 43 no. 10:55-60 O '62.

ABDOMEN—DISEASES

Use of skin thermometry in differential diagnosis of some acute surgical diseases of the abdominal cavity. G.A. Morgunov. Khirurgiia 38 no. 12:77-79 D '62.

ABDOMEN—RADIOGRAPHY

Significance of X-raying following appendectomy. A.M. Erukhimovich. Vest. rent. i rad. 38 no. 6:48-52 N-D '63.

ABDOMEN—SURGERY

Review of the book "Problems in surgical pathology of the organs of the abdominal cavity"; collection of papers of the Sverdlovsk Medical Institute. I.S. Vengerovskii. Khirurgiia 38 no. 12:118-120 D '62.

ABDOMEN—WOUNDS AND INJURIES

Some characteristics of closed abdominal trauma in children. A.E. Vasiuk, G.P. Shor. Sov. med. 27 no. 10:49-52 O '63.

ABDULLAEV, KHABIB MUKHAMEDOVICH, 1912-1962

Khabib Mukhamedovich Abdullaev. Zap. Vses. min. ob-va 93 no. 2:179-184 '64.

ABELIAN GROUPS

Colloquium on Abelian Groups. L.IA. Kulikov, A.P. Mishina, L.A. Skorniakov. Usp. mat. nauk 19 no. 2:225-232 Mr-Ap '64.

Groups of congruence of Abelian varieties [in French]. Jean-Pierre Serre. Izv. AN SSSR. Ser. mat. 28 no. 1:3-20 Ja-F '64

Homogeneous separable torsionless groups. V.I. Myshkin. Mat. sbor. 64 no. 1:3-9 My '64.

Problem of the imbedding of fields. A.V. IAkovlev. Izv. AN SSSR. Ser. mat. 28 no. 3:645-660 My-Je '64.

ABKHAZIA—KARST

Regime of rivers and springs in the karst zone of Abkhazia from Gumitsa to Madzhara. G.N. Gigineishvili. Trudy Inst. geog. AN Gruz. SSR 18:243-244 '63.

Types of the karstic landforms of Abkhazia and the characteristics of main types based on the example of the Okhachkuye and the Bzybskiy Ridges. K.V. Kavrishvili. Trudy Inst. geog. AN Gruz. SSR 18:156-159 '63.

ABKHAZIA—LANDFORMS

Types of the karstic landforms of Abkhazia and the characteristics of main types based on the example of the Okhachkuye and the Bzybskiy Ridges. K.V. Kavrishvili. Trudy Inst. geog. AN Gruz. SSR 18:156-159 '63.

ABKHAZIA—ORE DEPOSITS—MAPS

Metallogenetic forecasting map of Abkhazia. S.G. Buklin, E.M. Abamelik. Zakonom. razm. polezn. iskop. 7: 351-352 '64.

ABKHAZIA—RUNOFF

Regime of rivers and springs in the karst zone of Abkhazia from Gumitsa to Madzhara. G.N. Gigineishvili. Trudy Inst. geog. AN Gruz. SSR 18:243-244 '63.

ABNORMALITIES (PLANTS)

Structural abnormalities in the cherry flowers in cases of delayed flowering. R.M. Pivovarova. Bot. zhur. 49 no. 2:244-247 F '64.

ABORTION IN ANIMALS

Abortions in cows due to the concentrated type of feeding. S.V. Shilin. Trudy Smol. NIVS no. 2:247-253 '62.

Studying the causes of abortions and small litters in sows on the collective farms of Khislavichi District. S.V. Shilin, P.N. Razumovskii. Trudy Smol. NIVS no. 2:230-238 '62.

ABOVIAN, KHACHATUR, 1804?-1848

Khachatur Abovian and the Azerbaijani language. B.M. Ovakimian. Izv. AN Arm. SSR. Obshchestv. nauki no. 4: 61 Ap '64.

ABRASION

Certain problems involved in the wear of metals in abrasive air flow. V.N. Vinogradov, A.A. Antonov. Trudy MINKHIGP 46:137-140 '64.

Device for determining the abrasion of materials. B.M. Gershkovich, F.I. Mikhailov. Stroi. mat. 10 no. 2: 9-10 F '64.

ABSORPTION

Absorbed quantities of organic substances calculated from the measurements of mercury electrode impedance. G.A. Tedoradze, R.A. Arakelian. Dokl. AN SSSR 156 no. 5:1170-1173 Je '64.

Comparing the experimental data on the absorption of nitrogen oxides by water and acids in various types of apparatus. Report No. 2. G.A. Manakin. Nauch. zap. Od. politekh. inst. 40:56-61 '62.

Comparing the speed coefficients of the absorption of nitrogen oxides by alkali solutions in various types of apparatus. Report No. 1. G.A. Manakin. Nauch. zap. Od. politekh. inst. 40:45-55 '62.

ABSORPTION (PHYSIOLOGY)

Absorption of fats from the intestines in lambliasis. N.A. Dekhkan-Khodzhaeva, V.E. Nazyrova. Trudy Inst. kraev. eksper. med. no. 5:97-101 '63.

ABSORPTION OF SOUND

Possibility of experimental testing of the relation between the ultrasound absorption coefficient and the electroacoustic current in solids. A.A. Grinberg. Fiz. tver. tela 6 no. 4:1228-1229 Ap '64.

Ultrasonic wave absorption in a water - formic acid mixture. V.G. Nozdrev, B.A. Belinskii, P.K. Khabibullaev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no. 6:99-101 '63.

Ultrasound absorption in the binary mixture benzene - methyl alcohol along the saturation line including the critical region. I.G. Makhan'ko, V.F. Nozdrev. Akust. zhur. 10 no. 2:249-251 '64.

ABSORPTION OILS

Effect of ultrasonic energy on the cracking of solar oil distillate. G.A. Balakishiev and others. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 11:59-62 '62.

Quality of the circulating wash oil in coke and coal chemicals plants. L.A. Tumarkin, M.L. Orlov, I.A. Gol'din. Koks i khim. no. 4:45-50 '64.

ABSTRACT ALGEBRA see Algebra, Abstract

ABSTRACT ART see Art, Abstract

ACADEMIC DISSERTATIONS see Dissertations, Academic

ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R.

Discussion of the work of the Academy of Sciences of the Kirghiz S.S.R. Vest. AN SSSR 34 no. 6:11-18 My '64.

ACADEMY OF SCIENCES OF THE UKRAINIAN

Foreign relations of the Institute of History o
Academy of Sciences of the Ukrainian S.S.R
L.H. Linshenko. Ukr. ist. zhur. 8 no. 2:152
Ap '64.

Work of the section of dynamics of the semina
mechanics at the Institute of Mechanics of th
of Sciences of the Ukrainian S.S.R. O.O.Ho
Prykl. mekh. 10 no. 3:345-347 '64.

ACADEMY OF SCIENCES OF THE U.S.S.R.

Bibliography of printed works published by the
of the Academy of Sciences of the U.S.S.R.
to 1961. I.A. Skorokhod, Z.S. Fedotova, K.J
skii. Trudy Bibl. AN SSSR 7:220-233 '63.

The historical significance and the original loc
tion of the Library of the Academy of Science
U.S.S.R. N.K. Nikol'skii. Trudy Bibl. AN S
70-96 '63.

History of the catalogues of the Library of the
of Sciences (1714-1950). G.F. Pedozerskaia,
Bibl. AN SSSR 7:117-137 '63.

Kniazev, G.A., and A.V. Kol'tsov. [Brief out
history of the Academy of Sciences of the U.S
Kratkii ocherk istorii Akademii nauk SSSR. I
dop. Moskva, Izd-vo "Nauka," 1964. 224 p.

Rare books in the collection of the Zoological I
the Academy of Sciences of the U.S.S.R. K.
Trudy Bibl. AN SSSR 7:138-151 '63.

ACADEMY OF SCIENCES OF THE UZBEK S.S.

Twentieth anniversary of the Academy of Scien
Uzbek S.S.R. Izv. AN Uz. SSR. Ser. tekh. nauk
5-6 '63.

ACANTHOLYDA—EXTERMINATION see subdivi
Kazakhstan

ACCELERATION (PHYSIOLOGY)

Effect of prolonged transverse overloads on the
state of the central nervous system in animals
Belai, P.V. Vasil'ev, S.P. Kolchin. Pr...ke
3:318-323 '64.

ACCOUNTING

(see also subdivision under Ostashkov Distric
A.S.S.R.)

Accounting for materials supplied by the custom
S. Kanterman. Bukhg. uchet 21 no. 4:66-67 A

Accounting for raw materials supplied by the cu
B. Rotshtein. Bukhg. uchet 21 no. 2:40-41 F

Compilation of original accounting should be adj
machine processing. I. Karpov. Vest. stat. n
66 '64.

How we simplify accounting. N. Kuznetsov. Bu
21 no. 4:42-43 Ap '64.

Improve accounting in vegetable storage. A. Sip
Bukhg. uchet 21 no. 2:54-56 F '64.

Review of newspapers. Bukhg. uchet 21 no. 3:6
'64.

Review of newspapers. Bukhg. uchet. 21 no. 4:
Ap '64.

ACCOUNTING—BIBLIOGRAPHY see Bibliograph
Accounting

ACCOUNTING—CONGRESSES

In the methodological council. Bukhg. uchet 21
72-75 F '64.

ACCOUNTING—HANDBOOKS, MANUALS, ETC.

[Manual for accounting in state commerce] Spra
po bukhgalterskomu uchetu v gosudarstvennoi to
Izd. 3., perer. Moskva, Ekonomika, 1964. 69

ACCOUNTING—LAW see subdivision under Esto

ACCOUNTING—PERIODICALS

Meeting of the editor of "Bukhgalterskii uchet" w
readers. Bukhg. uchet 21 no. 4:76-79 Ap '64.

ACCOUNTING—PROBLEMS, EXERCISES, ETC.

[Accounting in industry; collection of exercises] B
terskii uchet v promyshlennosti; sbornik uprazhn
Moskva, Izd-vo "Finansy," 1964. 202 p.

ACCOUNTING—STUDY AND TEACHING (see also subdivision under Ukraine)

Conference of the administrative personnel of the schools of the Practical Training Center of the Central Statistical Administration of the U.S.S.R. [illegible] 21 no.2:[illegible] F '64.

ACENAPHTHENE

Cyanine dyes from 5-methylacenaphthene. [illegible] Ukr.khim.zhur. 30 no.1:[illegible] '64.

Synthesis of [illegible] acenaphthene and products of its oxidation. A.P.Karishin, D.M.Kostel. Zhur.ob.khim. 34 no.3:[illegible] Mr '64.

Synthesis of 5,6-difluoroacenaphthene and its oxidation products. A.P.Karishin, D.M.Kostel. Zhur.ob.khim. 34 no.3:1001-1004 Mr '64.

ACETALDEHYDE

Liquid - vapor equilibrium in the ternary system acetic anhydride - acetic acid - acetaldehyde. [illegible] and others. Dokl.LPI 5 no.1/2:[illegible] '64.

Synthesis of [illegible] acetaldehydes based on enol ethers of ketones. [illegible] Izv.AN SSSR.Ser.khim. no.5:[illegible] My '64.

ACETALS

Synthesis of organomagnesium compounds in a medium of formals. [illegible] and others. Zhur.ob.khim. 34 no.[illegible] '64.

ACETAMIDE

Physicochemical analysis of the ternary system phenol - acetamide - trichloroacetic acid. [illegible] Zhur.ob.khim. 34 no.[illegible] My '64.

Physicochemical analysis of the ternary system [illegible] β-naphthol - acetamide. [illegible] Zhur.ob.khim. 34 no.[illegible] Mr '64.

Physicochemical study of ternary systems formed by acetamide and cresols. [illegible] Zhur.ob.khim. 34 no.1:[illegible] '64.

Use of a synthomycin solution in folliculitis, acne vulgaris and rosacea. V.I.Miroliubov. Vest.derm.i ven. 37 no.[illegible] '63.

ACETIC ACID

[illegible]

Experimental basis for the permissible concentration of [illegible] in bodies of water. [illegible]

Liquid - vapor equilibrium in the ternary system acetic anhydride - acetic acid - acetaldehyde. [illegible] and others. Dokl.LPI [illegible] '63.

Physicochemical analysis of the ternary system [illegible] acid [illegible] '64.

Physicochemical analysis of the ternary system phenol - acetamide - [illegible] acid. [illegible] Zhur.ob.khim. 34 no.[illegible] My '64.

Physicochemical analysis of the ternary system [illegible] Zhur.ob.khim. 34 no.[illegible] '64.

Preparation of [illegible]

Some physicochemical properties of [illegible] acetic acid [illegible] solutions. [illegible] Zhur.fiz.khim. 38 no.[illegible] Ap '64.

Synthesis and properties of [illegible] derivatives. Part 7: [illegible] V.M.[illegible] Zhur.ob.khim. 34 no.[illegible] My '64.

Synthesis of nitrogen derivatives of [illegible] acid. Report No.1 [illegible] '64.

Vapor pressure and boiling point of a ternary mixture of acetic anhydride, acetic acid and water. [illegible] Vasenko and others. Dokl.LPI 5 no.1/2:151-[illegible] '63.

ACETIC ANHYDRIDE

Kinetics of the hydrolysis of acetic anhydride in a mixed solvent. [illegible] Dokl.LPI 5 no.1/2:[illegible] '63.

Liquid - vapor equilibrium in the ternary system acetic anhydride - acetic acid - acetaldehyde. [illegible] Vasenko and others. Dokl.LPI 5 no.1/2:[illegible] '63.

Vapor pressure and boiling point of a ternary mixture of acetic anhydride, acetic acid, and water. [illegible] Vasenko and others. Dokl.LPI 5 no.1/2:[illegible] '63.

ACETOACETIC ACID

Addition of acetoacetic esters to [illegible] Zhur.ob.khim. 34 no.[illegible] '64.

ACETOBACTER

Sorbite oxidation during intensive and delayed reproduction of Acetobacter suboxydans [with summary in English]. S.M.Zhdan-Pushkina, R.A.Kreneva. Mikrobiologiia 32 no.4:711-716 Jl-Ag '63.

Submerged cultivation of acetic acid bacteria under different aeration conditions [with summary in English]. Allon and others. Mikrobiologiia 32 no.4:701-710 Jl-Ag '63.

ACETONE

Dielectric properties and molecular structure of acetone - cyclohexane solutions. I.A.Valeiov, M.I. Shakhparonov. Vest.Mosk.un.Ser.2:Khim. 19 no.2:[illegible]-10 Mr-Ap '64.

Iodochlorometric method for quantitative determination of formaldehyde and acetone and a new qualitative reaction for inosan. P.P.Supron. Farmatsev.zhur. 17 no.6:37-40 '62.

Some physicochemical properties of the system formamide - acetone. M.G.Blank. Dokl.LPI 5 no.1/2:[illegible] '64.

Thermal effects of the mixing in the system formamide - acetone. M.G.Blank. Dokl.LPI 5 no.1/2:120-123 '64.

ACETONITRILE

Liquid - vapor phase equilibrium in the system acrylonitrile - acetonitrile at atmospheric pressure. V.V. Prokhorova, L.A.Serafimov, L.S.Tabhtanyaheva. Zhur.fiz.khim. 38 no.4:1005-1008 Ap '64.

ACETOPHENONE

Hydrogenation of acetophenone on a Rh-H catalyst. A.M. Taber and others. Izv.AN SSSR.Ser.khim. no.5: 904-908 My '64.

ACETYLATION

Friedel-Crafts acetylation of aromatic hydrocarbons. [illegible] M.M.Dashevskii. Nauch.zap.Od. politekh.inst. 40:[illegible] '62.

ACETYLENE

Admissible acetylene content of waste drains of acetylene manufacturing plants. V.A.Fratov. Khim.prom. no.10:780-[illegible] O '63.

Chromatographic method for determining the acetylene content of gases of nitrogen fertilizer plants. S.I. Kriichman, A.I.Gruba, V.E.Stepanenko. Khim.prom. no.10:754-756 O '63.

High temperature pyrolysis of a butane-butylene fraction in order to obtain acetylene and ethylene simultaneously. A.I.[illegible], P.S.Kogan, S.N.Buzanovskii. Gaz. prom. 7 no.[illegible] '62.

[illegible] method for determining water content of acetylene solvents. V.E.Stepanenko, S.I.Kriichman. Khim.prom.[Ukr.] no.4:[illegible] '64.

Obtaining acetylene by high-temperature pyrolysis in a plasma. [illegible] Sbornik [illegible] '64.

Reactions of nitrogen atoms. Report No.3: Rate constant and mechanism of the reaction of nitrogen atoms with acetylene. [illegible] V.M.Krasnoperov. Izv.AN SSSR.Ser.khim. no.5:822-825 My '64.

Size of the reaction zone during the autothermal conversion of methane to acetylene. A.M.Zelenyi. Dokl. LPI 5 no.1/2:[illegible] '64.

Thermal decomposition of diluted acetylene. A.M. Zelenyi, [illegible] Dokl.LPI 5 no.1/2:[illegible] '64.

ACETYLENE COMPOUNDS

Addition of dimethylamine to acetylenic alcohols. S.A. Vartanian, Sh.O.Badanian, N.G.Agababian. Izv.AN Arm.SSR.Khim.nauki 17 no.2:191-[illegible] '64.

Synthesis of some acetylenic alcohols. I.I.Zakharkin, V.I.[illegible], V.A.Bratsev. Izv.AN SSSR.Ser.khim. no.5:951-952 My '64.

ACID-RESISTANT MATERIALS

Converting a brick factory to the manufacturing of acid-proof articles. N.A.Chernyshev. Stroi.mat. 10 no.3:14-15 Mr '64.

ACIDITY OF SOILS see Soil acidity

ACIDS

Isotope hydrogen exchange of 3,5-dimethylisoxazole with acids. V.N.Setkina, N.D.Sokolov. Izv.AN SSSR.Ser. khim. no.5:[illegible]-938 My '64.

Kinetics and mechanism of reactions in concentrated strong acid media. Part 8. M.I.Vinnik, N.G.Zarakhani. Zhur.fiz.khim. 38 no.4:907-915 Ap '64.

Synthesis of certain derivatives of the ester acids of Δ^3-cyclohexene carboxylic acid. L.A.Mukhamedova, O.V.Lopatina, M.I.Kudriavtseva. Neftekhimiia 4 no.1:[illegible]-109 Ja-F '64.

Thermographic investigation of the process of dehydration and decomposition of some 12-heteropoly acids. A.A. Babad-Zakhriapin, V.P.Moiseev. Izv.AN SSSR.Ser. khim. no.5:[illegible]-808 My '64.

ACIDS, FATTY

Experimental basis for the permissible concentrations of medium- and high-molecular C_5 - C_{20} fatty acids. N.V.Grin'. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:355-360 '62.

Quantitative determination of fatty acids by distributive paper chromatography. A.A.Fomin, N.A.Fedorov, B.N.Kosatkin. Vop.med.khim. 9 no.1:76-79 Ja-F '63.

Spectrophotometric determination of diphenyl in distilled C_{17}-C_{20} fatty acids. N.K.Man'kivskaia and others. Khim.prom.[Ukr.] no.4:61-63 O-D '63.

Using the Duclos method and chromatographic analysis for determining volatile fatty acids formed during the retting of bast cultures. D.K.Patutin. Nauch.-issl. trudy TSNIILV 16:60-75 '62.

ACIDS, ORGANIC

Composition and chemical nature of naphthenic acids. N.M.Karavaev, R.A.Vener, K.I.Koroleva. Dokl.AN SSSR 156 no.4:877-879 Je '64.

Composition and structure of salts from diamines and dicarboxylic acids. IA.A.Khazit. Zhur.ob.khim. 34 no.3:1032-1034 Mr '64.

Condensation of o-aminoselenophenol with unsaturated carboxylic acids. L.E.Mushkalo, D.I.Shetler. Ukr. khim.zhur. 30 no.4:384-387 '64.

Content of organic acids in the common onion bulbs. B.P.Sendrovich, R.M.Khuchiev. Trudy Vost.-Sib. fil.AN SSSR no.35:30-32 '62.

Corrosion of cadmium alloys with antimony in organic acids. I.M.Dobkovkin. Zhur.fiz.khim. 38 no.4: 970-972 Ap '64.

Crystallization of benzoic, salicylic, and phthalic acids from solutions. T.A.Komarova, E.K.Korovkina, N.A. Figurovskii. Zhur.fiz.khim. 38 no.4:901-906 Ap '64.

Decomposition of volatile organic acids by microorganisms of "active sludge." V.I.Lishinov and others. Mikrobiologiia 32 no.4:700-702 Jl-Ag '63.

Interaction of hexaalkyldisilazanes with carboxylic acids and diatomic phenols. K.A.Andrianov, V.V.Astakhin, B.P.Nikiforov. Zhur.ob.khim. 34 no.3:914-916 Mr '64.

Reduction of carboxylic acids to aldehydes with diisobutylaluminum hydride. L.I.Zakharkin, I.M. Khorlina. Zhur.ob.khim. 34 no.3:1029 Mr '64.

Study of the complex formation of trivalent plutonium with anions of acetic, citric, and tartaric acids by means of ion exchange. A.I.Moskvin, V.P.Zaitseva, A.D.Gel'man. Radiokhimiia 6 no.2:[illegible]-206 '64.

Synthesis of derivatives of benzylcyclocarboxylic acid. L.P.Zalukaev, E.G.Vnukovskaia. Zhur.ob.khim. 34 no.3:830-840 Mr '64.

Synthesis of flotation reagents based on carboxylic acids. N.A.Aleinikov, B.E.Chistiakov. Khim.prom. no.10: 747-750 O '63.

ACNE

Use of a synthomycin solution in folliculitis, acne vulgaris and rosacea. V.I.Miroliubov. Vest.derm.i ven. 37 no.6:[illegible] Je '63.

ACOUSTIC NERVE

Correlation of excitation and inhibition processes in the auditory analyzer of the dog under the influence of pure tones. N.N.Lazuko. Zhur.vys.nerv.deiat. 14 no.2: 286-300 Mr-Ap '64.

ACOUSTIC NERVE—TUMORS

Changes in the cranial bones in neurinomas of the acoustic nerve. E.A.Tarpagov. Trudy Gos.nauch.-issl. psikhonevr.inst. 31:145-151 '63.

ACOUSTICAL MATERIALS

Increase the production of particle-fiber soundproofing products. B.P.Airapetov, G.V.Sliunova. Stroi.mat. 10 no.2:33 F '64.

ACQUISITIONS (LIBRARIES)

History of the acquisition of Russian books (18th century) by the Library of the Academy of Sciences of the U.S.S.R. D.V.Tiulichev. Trudy Bibl.AN SSSR 7: 87-107 '63.

Should a practical manual be such as this? V.Denisiev. Bibliotekar' no.6:56-58 Je '64.

ACRIDINE—PHYSIOLOGICAL EFFECT

Effect of acrichine on the virus of tick-borne encephalitis in tissue cultures. L.N.Levkovich, G.D.Zasukhina. Vop.med.virus. no.6:39-41 '59.

ACRIDINE—THERAPEUTIC USE

Prevention and treatment of tick-borne encephalitis with acrichine. A.V.Frenkel, L.M.Ivanova. Vop.med. virus. no.6:136-141 '59.

ACRIFLAVINE

Comparative sensitivity of the cell and cytoplasm of Amoeba proteus to the damaging action of acriflavine and urethane; tests in the transplantation of nuclei. A.L.IUdin. Sbor.rab.Inst.tsit. no.7:138-144 '63.

ACROLEIN

Processes and products of the interaction of high-molecular weight compounds with inorganic salts. Part 3: Reaction of aqueous solutions of polyacrolein. I.V. Andreeva and others. Radiokhimiia 6 no.1:86-93 '64.

ACRYLAMIDE

Binding sandy soils with polyacrylamide emulsion. V.F. Gorbacheva. Izv.AN Turk.SSR.Ser.biol.nauk no.2: 57-60 '64.

ACRYLIC ACID

Catalytic polymerization of unsaturated polyesters. Cationic polymerization of polyesteracrylates. T.E. Lipatova. Plast.massy no.1:3-7 '64.

Determination of the composition of products of graft copolymerization of esters of acrylic acid with casein. S.I.Trakhtenberg, R.N.Korostyleva. Dokl.LPI 5 no.1/2:20-24 '63.

Polymerization of highly viscous media and three-dimensional polymerization. Part 5: Apparatus for studying unsteady state kinetics (pre- and post-effect) in the case of the polymerization of polyester acrylates. N.N. Tvorogov, G.V.Korolev. Vysokom.soed. 6 no.5:877-883 My '64.

ACRYLIC ACID—OPTICAL PROPERTIES

Flow birefringence and viscosity of polyacrylic acid solutions. V.N.TSvetkov, S.IA.Liubina, T.V.Barskaia. Vysokom.soed. 6 no.5:806-810 My '64.

ACRYLONITRILE

Liquid - vapor phase equilibrium in the system acrylonitrile - acetonitrile at atmospheric pressure. V.V. Prokhorova, L.A.Serafimov, L.S.Takhtamysheva. Zhur.fiz.khim. 38 no.4:1005-1008 Ap '64.

ACRYLONITRILE POLYMERS

Effect of polyacrylonitrile preparation on the structural and mechanical properties of palygorskite suspensions. V.IU.Tretinnik, N.N.Kruglitskii. Ukr.khim.zhur. 30 no.4:419-421 '64.

Oxidation-reduction polymerization of acrylonitrile in the presence of organic hydroperoxides. T.I. IUrzhenko, V.A.Puchin, V.S.Golokhvastova. Dokl. LPI 5 no.1/2:48-54 '63.

Synthesis of thioamide-containing polymer analogs of polyacrylonitrile. G.A.Gabrielian, Z.A.Rogovin. Vysokom.soed. 6 no.5:769-770 My '64.

ACTING

Shikhmatov, L.M. [Stage etudes] Stsenicheskie etiudy. [Moskva, Sovetskaia Rossiia, 1964. 106 p. (Bibliotechka 'V pomoshch' khudozhestvennoi samodeiatel'nosti, no.10)

ACTINIDIA

Indifference toward public property. G.Khaliletskii. Oktiabr' 40 no.1:179-182 Ja '64.

ACTINOMETRY

(see also subdivision under Soviet Central Asia)

Berliand, T.G., ed. [Actinometric reference book: foreign countries; annual data] Aktinometricheskii spravochnik: zarubezhnye strany; ezhegodnye dannye. Leningrad, Gidrometeoizdat, 1964. 261 p.

ACTINOMETRY—TABLES, ETC.

Leningrad. Glavnaia geofizicheskaia observatoriia. [Actinometric reference book on the U.S.S.R.; period of the IGY and IGC, 1957-1959] Aktinometricheskii spravochnik po territorii SSSR; period MGG i MGS 1957-1959 gg. Pod red. Z.I.Pivovarovoi i T.T.Pleshkovoi. Leningrad, Gidrometeoizdat, 1964. 605 p.

ACTINOMYCES

(see also subdivision under China; Kazakhstan)

Comparative study of amino acids formed by the aurantin producer [with summary in English]. M.V.Nefelova, A.E.Kol'man. Mikrobiologiia 32 no.4:603-609 Jl-Ag '63.

Comparative study of the effect of specific actinophages of different virulence on Actinomyces erythreus [with summary in English]. IA.I.Rautenshtein, V.I. Retinskaia. Mikrobiologiia 32 no.4:642-649 Jl-Ag '63.

Vitamin B_{12} synthesis by Actinomyces olivaceus in a synthetic medium in the presence of 5,6-dimethyl benzimidazole [with summary in English]. V.N. Shaposhnikov, I.V.Konova, A.I.Borisova. Mikrobiologiia 32 no.4:598-602 Jl-Ag '63.

ACTINOMYCES—CULTURES AND CULTURE MEDIA

Breeding active strains of the celicomycin producers by using ultraviolet rays. M.Kh.Shigaeva, V.D.Sivertseva. Izv.AN Kazakh.SSR.Ser.biol.nauk 2 no.1:53-57 Ja-F '64.

ACTINOMYCIN

Breeding active strains of the celicomycin producers by using ultraviolet rays. M.Kh.Shigaeva, V.D.Sivertseva. Izv.AN Kazakh.SSR.Ser.biol.nauk 2 no.1:53-57 Ja-F '64.

ACTINOMYCOSIS

A case of primary actinomycosis of the right ovary and fallopian tube. R.A.Girdaladze, T.A.Tataradze. Akush.i gin. no.1:115-116 '63.

ACTIVATED CARBON see Carbon, Activated

ACTIVATION ENERGY

Determination of the activation energy of formation of hydrogen oxide and hydrogen peroxide in the atmospheric corrosion of Mg and Al. I.L.Roikh, I.P.Bolotich, L.N.Koltunova. Zhur.fiz.khim. 36 no.9:2052-2054 S '62.

ACTORS, UKRAINIAN—CORRESPONDENCE, REMINISCENCES, ETC.

Mar'ianenko, I.O. [The stage, actors, and roles] Stsena, aktory, roli. Kyiv, Mystetstvo, 1964. 268 p.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ADAPTATION (BIOLOGY)

Akademiia nauk SSSR. Institut vysshei nervnoi deiatel'nosti i neirofiziologii. [Mechanisms of compensatory adaptations; electrophysiological analysis of compensatory functions] Mekhanizmy kompensatornykh prisposoblenii; elektrofiziologicheskii analiz kompensatsii funktsii. Moskva, Izd-vo "Nauka," 1964. 204 p.

Morphologic adaptation of birds to the aquatic way of life. T.L.Borodulina. Ornitologiia no.6:456-460 '63.

Some adaptive characteristics of the postcranial skeleton structure of Ovis nivicola Esch. [with summary in English]. F.B.Cherniavskii. Zool.zhur. 43 no.2:242-252 '64.

ADDISON'S DISEASE

Change in water-salt metabolism in Addison's diseases. M.G.Khodzhaeva. Trudy Inst.kraev.eksper.med. no.5:142-146 '63.

ADDITION REACTIONS

Synthesis of polyalkylene glycol dithiophosphates and some of their addition reactions. A.N.Pudovik, R.A. Cherkasov. Vysokom.soed. 6 no.4:741-744 Ap '64.

ADENOSINE PHOSPHATES

Changes in the distribution of the components of the adenylic system and creatine phosphate during the distension of muscles. A.I.Dolidze. Trudy Inst.fiziol. AN Gruz.SSR 13:215-218 '63.

ADENOSINE TRIPHOSPHATES

ATP and ADP as possible hydrogen carriers in the respiratory chain. V.P.Skulachev and others. Vop. med.khim. 9 no.1:99-102 Ja-F '63.

ADENOSINETRIPHOSPHATASE

Activity of adenosinetriphosphatase in the mitochondrias of different chick organs and its changes under the influence of heat treatment. A.A.Simonian. Izv.AN Arm.SSR.Biol.nauki 17 no.4:21-24 Ap '64.

Combined effect of ionizing radiation and chloroprene on the adenosinetriphosphatase and catheptic activity. S.G.Shukurian. Vop.radiobiol.[AN Arm.SSR] 3/4:301-307 '63.

ADENOVIRUSES

Study of the properties of adenoviruses and their agglutinins by fractionation using chromatography on DEAE cellulose. V.M.Zhdanov and others. Vop.virus. no.6:688-692 N-D '63.

ADENYLIC ACIDS

Effect of ribonuclease on the process of aminoacyladenylate formation. Report No.2: Comparative study of activation of amino acids and peptides. S.IA.Davydova, G.A.Drozdova. Vop.med.khim. 9 no.1:27-33 Ja-F '63.

ADHESION

Investigating the internal stresses in cemented joints. A.M.Chistiakov and others. Plast.massy no.1:57-59 '64.

Joining of polyethyleneterephthalate films. A.V.Andrianova and others. Plast.massy no.1:73 '64.

ADHESIVES

Adhesive characteristics of mastic sealers. G.B. Ivianskii, A.T.Gureev, N.N.Rykova. Stroi.mat. 10 no.2:7-9 F '64.

Effect of adhesion on the internal stresses of glue joints. P.I.Zubov and others. Vysokom.soed. 6 no.5:803-805 My '64.

Kardashov, D.A. [Synthetic adhesives] Sinteticheskie klei. Moskva, Izd-vo "Khimiia," 1964. 494 p.

ADIPIC ACID

Synthesis of diethyl ester of α,β-dicarbethoxyadipic acid. V.I.Zaretskii, N.S.Vul'fson. Izv.AN SSSR.Ser.khim. no.5:925-926 My '64.

ADMINISTRATIVE AND POLITICAL DIVISIONS

Developing the structural and organizational forms of state administration. TS.A.IAmpolskaia. Sov.gos. i pravo 34 no.6:31-40 Je '64.

ADMINISTRATIVE ECONOMIC COUNCILS

Developing the structural and organizational forms of state administration. TS.A.IAmpolskaia. Sov.gos. i pravo 34 no.6:31-40 Je '64.

Legal status of firms in the system of the administrative economic councils. A.A.Pushkin. Sov.gos.i pravo 34 no.6:41-50 Je '64.

Place of economic councils in the system of Soviet governmental organs. G.E.Petukhov. Uch.zap.VIIUN no.17:41-52 '63.

ADMINISTRATIVE LAW

Sorokin, V.D. [Administrative commissions a
the executive committees of the district and
of workers deputies] Administrativnye komis
ispolkomakh raionnykh, gorodskikh sovetov d
trudiashchikhsia. Moskva, Izd-vo "IUridiche
literatura," 1964. 75 p.

ADMINISTRATIVE REMEDIES

Romnev, V.I. [The right of complaint in the U
Pravo zhaloby v SSSR. Moskva, Izd-vo "IUri
skaia literatura," 1964. 131 p.

ADRENAL CORTEX

Functional state of the adrenal cortex in variou
of nonspecific ulcerative colitis. V.K.Geras
Vest.AMN SSSR 18 no.10:65-70 '63.

Participation of the adrenal cortex in some man
of radiation sickness. S.P.Vlasenko, D.Kh.G
Vop.radiobiol.[AN Arm.SSR] 3/4:253-259 '6

ADRENAL CORTEX—DISEASES

Some forms of sterility and their treatment with
nisolone. M.L.Krymskaia, N.T.Starkova. A
gin. no.1:3-8 '63.

ADRENAL GLANDS

Functional state of the pituitary-adrenal system
chronic gastritis with gastric secretory hypo
L.P.Grokhovskii. Vest.AMN SSSR 18 no.10
'63.

ADRENAL GLANDS—DISEASES

Diagnosis of a congenital adrenogenital syndrome
Tumilovich, I.I.Zolotarev. Sov.med. 27 no.
115 O '63.

ADRENAL GLANDS—INNERVATION

Agarkov, G.B. [Neural apparatus of the adrenal]
Nervnyi apparat nadpochechnykh zhelez. [Mos
Meditsina, 1964. 168 p.

ADRENALINE

Effect of adrenaline injection on the nucleic acid c
of neural and glial cells of the sympathetic gangl
L.Z.Povzner. Dokl.AN SSSR 156 no.5:1213-1
Je '64.

Effect of adrenaline on the blood sugar in irradiat
nonirradiated animals as influenced by aminazin
A.A.Akopian, M.V.Manukian. Vop.radiobiol.[A
SSR] 3/4:269-273 '63.

Nauchnaia konferentsiia "Katekholaminy i ikh rol'
iatsii funktsii organizma (biokhimiia, fiziologiia
nika)," Moscow, 1962. [Adrenaline and noradre
reports] Adrenalin i noradrenalin; [doklady]. M
skva, Izd-vo "Nauka," 1964. 310 p.

ADRENOCORTICAL HORMONES

Effect of anesthesia and surgical trauma on the gly
coid function of the adrenal cortex and the electro
balance (potassium and sodium) in operations on t
heart and lungs. V.A.Kovanev, V.B.Lysenko. K
giia 38 no.12:42-49 D '62.

Role of some corticosteroids in hypertension. Rep
No.2. E.N.Gerasimova. Kardiologiia 3 no.6:1
N-D '63.

ADRIATIC SEA—ANCHOVIES

Feeding habits of anchovy (Engraulis encrasicholu
larvae in the Adriatic Sea. L.A.Duka. Trudy SB
16:299-305 '63.

ADRIATIC SEA—FISHES

Comparison of the growth rate of some pelagic fish
the Black and Adriatic Seas. E.M.Kalinina. Tr
SBS 16:337-339 '63.

ADRIATIC SEA—FISHES—FOOD

Feeding habits of anchovy (Engraulis encrasicholus
larvae in the Adriatic Sea. L.A.Duka. Trudy SB
16:299-305 '63.

Food supply of fishes feeding on plankton in the sout
part of the Adriatic Sea in 1958. A.A.Shmeleva.
Trudy SBS 16:138-152 '63.

ADRIATIC SEA—PHYTOPLANKTON

Some data on phytoplankton of the Adriatic Sea in July, 1960. V.V.Deniseenko. Trudy SBS 16:107-112 '63.

ADRIATIC SEA—PLANKTON

Food supply of fishes feeding on plankton in the sout
part of the Adriatic Sea in 1958. A.A.Shmeleva.
Trudy SBS 16:138-152 '63.

ADRIATIC SEA—ZOOPLANKTON

Weight characteristics of the mass forms of zooplan
in the Adriatic Sea. A.A.Shmeleva. Trudy SBS 1
153-160 '63.

ADSORPTION

Activity of adsorption Pt-catalysts obtained in the ult
sonic field. Li Ven'-chzhou [Li Wên-chou], A.N.
Mal'tsev, N.I.Kobozev. Vest.Mosk.un.Ser.2: Kh
19 no.1:39-42 Ja-F '64.

ADSORPTION (Continued)

Adsorbability of sparingly soluble substances. I.I. Kurliandskaia, IU.M.Martynov. Zhur.fiz.khim. 38 no.4:1038-1041 Ap '64.

Adsorption layers on the surface of molten germanium. V.B.Lazarev. Dokl. AN SSSR 156 no.5:1159-1162 Je '64.

Adsorption of radioisotopes from aqueous and water-ethyl alcohol solutions. I.E.Starik, F.L.Ginzburg, L.D. Sheidina. Radiokhimiia 6 no.1:19-26 '64.

Adsorption properties and hydration of a quartz surface (remarks on the articles by M.M.Egorov, V.F.Kiselev, E.G.Krasil'nikov). S.P.Zhdanov. Zhur.fiz.khim. 36 no.9:2098-2102 S '62.

Adsorption reaction of carbon agglomeration. R.Kh. IAfaev. Zhur.mikrobiol.,epid.i immun. 40 no.10: 33-38 O '63.

Apparatus for investigating electrochemical systems by the triangular pulse method. V.N.Alekseev and others. Zhur.fiz.khim. 38 no.4:1048-1051 Ap '64.

Infrared spectra of carbon monoxide chemisorbed on cobalt. N.N.Kavtaradze, N.P.Sokolova. Zhur.fiz. khim. 38 no.4:1004-1005 Ap '64.

Kinetics of adsorption films on the surfaces of freshly cleaved mica crystals and their electroconductivity. Part 1. V.D.Perevertaev, M.S.Metsik. Izv.vys.ucheb. zav.; fiz. no.2:77-83 '64.

Nuclear magnetic resonance of the protons of water adsorbed on montmorillonite. IU.I.Tarasevich and others. Dokl.AN SSSR 156 no.4:926-928 Je '64.

Role of a subsurface layer in the interaction of molecular oxygen with a tungsten surface. IA.P.Zingerman, V.A. Ishchuk. Fiz.tver.tela 6 no.4:1172-1181 Ap '64.

Study of the adsorption of phenol, aniline, and nitrobenzene by aerosil and zeolite using infrared spectroscopy. V.N.Abramov, A.V.Kiselev, V.I.Lygin. Zhur.fiz. khim. 38 no.4:1044-1047 Ap '64.

Study of the adsorption of uranium on polished platinum. A.G.Samartseva. Radiokhimiia 6 no.2:230-237 '64.

Use of infrared absorption spectra in studying the structure of surface compounds formed during adsorption of ethanol on -oxide of aluminum. G.K.Boreskov and others. Dokl.AN SSSR 156 no.4:901-904 Je '64.

ADULT EDUCATION

University for the improvement of political and scientific knowledge. V.I.Dvizhkov. Shkola i proizv. 8 no.7: 60 Jl '64.

ADVERTISING see subdivision under Estonia

ADVERTISING—INSURANCE

State Insurance Administration needs a good advertisement. I.Kuznetsov. Fin.SSSR 38 no.5:62-65 My '64.

ADZHARISTAN—AGRICULTURAL WAGES

Material incentives are the basis of rich results. I.Puturidze. Ekon.sel'khoz. 35 no.5:49-53 My '64.

ADZHARISTAN—TEA

Material incentives are the basis of rich results. I.Puturidze. Ekon.sel'khoz. 35 no.5:49-53 My '64.

AEGEAN SEA—BENTHOS

Population of some shoals of the Aegean Sea. E.B. Makkaveeva. Trudy SBS 16:211-214 '63.

Qualitative and quantitative distribution of benthos in the Aegean Sea. M.I.Kiseleva. Trudy SBS 16:192-200 '63.

AEGEAN SEA—PHYTOPLANKTON

Phytoplankton in the Aegean Sea. A.A.Mikhailov, V.V. Denisenko. Trudy SBS 16:90-106 '63.

AERATION OF SOIL see Soil aeration

AERIAL SPORTS

Facts, events, people. Kryl.rod. 15 no.6:18-19 Je '64.

Protests have not been registered. It's a pity! A.Belousov. Kryl.rod. 15 no.6:17 Je '64.

Stride forward, Spartakiada! Kryl.rod. 15 no.6:3 Je '64.

With Lenin's name. G.Shatunov. Kryl.rod. 15 no.6: 1-2 Je '64.

AERODYNAMIC MEASUREMENTS

Kersten, I.O. [Aerodynamic testing of mine fans] Aerodinamicheskie ispytaniia shakhtnykh ventiliatorov. Moskva, Izd-vo "Nedra," 1964. 162 p.

AERODYNAMICS

Approximate method for calculating the optimum suction of liquid from the boundary layer of wing profiles with porous surfaces. L.F.Kozlov. PMTF no.3:169-171 My-Je '64.

Relaxation of the vibrational energy of air molecules behind the front of a direct shock wave. N.A.Generalov, S.A.Losev, A.I.Osipov. Dokl.AN SSSR 156 no.5: 1057-1060 Je '64.

AERODYNAMICS, SUPERSONIC

Calculating a supersonic gas flow past a blunt-nosed solid of revolution at the angle of attack. A.N. Minailos. Zhur.vych.mat.i mat.fiz. 4 no.1:171-177 Ja-F '64.

Supersonic flow of a nonequilibrium gas stream past blunt-nosed bodies. O.M.Belotserkovskii, V.K. Dushin. Zhur.vych.mat.i mat.fiz. 4 no.1:61-77 Ja-F '64.

AERONAUTICAL SOCIETIES see subdivision under Cheboksary

AERONAUTICS

It is interesting to know this. Kryl.rod. 15 no.6:31 Je '64.

AERONAUTICS, COMMERCIAL

Commercial air fleet today and tomorrow. I.Zharkovskii, M.Lebedinskii. Kryl.rod. 15 no.6:12-13 Je '64.

AERONAUTICS IN AGRICULTURE
(see also subdivision under Moldavia; Ukraine)

Agricultural airplanes in the protection of crops. V.A. Nazarov. Zashch.rast.ot vred.i bol. 9 no.2:7-9 '64.

Liming of soils from planes. A.Vadopalas. Tekh.v sel'khoz. 24 no.3:12-13 Mr '64.

AERONAUTICS IN METEOROLOGY

Experience in using a thermoanemometer on an airplane. N.K.Vinnichenko. Trudy TSAO no.54:85-100 '64.

AEROSOLS

Anatomicophysiological characteristics of the respiratory system in man and animals in the genesis of immunity following vaccination by the aerosol method. Report No.2: Protective function of the tissues of lung parenchyma and the lymphatic system of the respiratory organs. IU.S.Pisarevskii. Zhur.mikrobiol.,epid.i immun. 40 no.6:101-105 Je '63.

Experimental method of vaccination against diphtheria with anatoxin in the form of aerosol. A.P.Panfilova. Trudy Irk.IEG no.5:40-52 '60.

Subcutaneous and aerosol method of immunization against diphtheria in an experiment on animals. A.P.Panfilova. Trudy Irk.IEG no.5:53-56 '60.

AEROSPACE INDUSTRIES see subdivision under United States

AESCHYLUS

Lexicon of satiric dramas by Aeschylus; on the style characteristics of this genre. V.N.IArkho. Izv.AN SSSR.Ser.lit.i iaz. 22 no.6:499-511 N-D '63.

AESTHETICS

[The aesthetic; a collection of articles] Esteticheskoe; sbornik statei. Moskva, Iskusstvo, 1964. 347 p.

Against contemporary bourgeois aesthetics. M.Afasizhev. Iskusstvo 27 no.4:70-71 Ap '64.

Akademiia nauk SSSR. Institut mirovoi literatury. [Artistic method and the creative individuality of an author] Khudozhestvennyi metod i tvorcheskaia individual'nost' pisatelia. Moskva, Izd-vo "Nauka," 1964. 242 p.

Man's beauty. Sergei Konenkov. Nach.shkola 32 no.6:8-15 Je '64.

Skatershchikov, V.K. [Aesthetic culture of the Soviet man] Esteticheskaia kul'tura sovetskogo cheloveka. Moskva, Sovetskaia Rossiia, 1964. 70 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku, no.7)

AESTHETICS—STUDY AND TEACHING
(see also subdivision under Sverdlovsk Province)

Training in beauty. V.Skatershchikov. Sov.profsoiuzy 20 no.9:28-29 My '64.

AFANAS'EV, B.

Three prize-winners. IU.Usov. Sov.muz. 27 no.12:66-67 D '63.

AFFORESTATION see subdivision under Fil'filichay Valley; Kutkashen District

AFGHANISTAN—EDUCATION

Notes on the education of Afghanistan. T.I.Kukhtina. Sred.spets.obr. 11 no.4:52-55 Ap '64.

AFGHANISTAN—PLANTS, PROTECTION OF

In friendly Afghanistan. Z.F.Kriachko. Zashch.rast.ot vred.i bol. 9 no.5:53-54 '64.

AFGHANISTAN—PLANTS, PROTECTION OF—CONGRESSES

The 19th Afghan-Soviet Conference. L.S.Drozdov, E.P. TSyplenkov. Zashch.rast.ot vred.i bol. 9 no.2:61 '64.

AFRICA—ECONOMIC CONDITIONS

Let us strengthen the Afro-European solidarity. Robert Hernio, Ibrahim Zakaria. Vsem.prof. dvizh. no.5:1-2 My '64.

AFRICA—TRADE UNIONS

Let us strengthen the Afro-European solidarity. Robert Hernio, Ibrahim Zakaria. Vsem.prof. dvizh. no.5:1-2 My '64.

AFRICA—UNDERDEVELOPED AREAS—INVESTMENTS, FRENCH

French neocolonialism in Africa. V.N.Korolev. Nov.i noveish.ist. no.1:173-174 '64.

AFRICA, FRENCH WEST—POLITICS

The struggle of the peoples of French West Africa fo independence. M.A.El'chibekian. Izv.AN Arm.SS Obshchestv.nauki no.4:49-60 Ap '64.

AFRICA, SOUTH—BRITISH COLONIES

A South African communist periodical unveils the maneuvers of the British colonizers in South Africa A.N.Khanov. Vop.ist. 39 no.6:199-200 Je '64.

AGA-KHAN KERMANI, ABDOL KHOSEIN, 1853-1896

Beginnings of modern Persian historiography; Aga Kh Kermani's views on history. O.S.Melikov. Uch.za Inst.vost.AN Azerb.SSR 4:39-52 '63.

AGAFONOV, NIKOLAI ALEKSANDROVICH, 1903-1964

Nikolai Aleksandrovich Agafonov; an obituary. Sudostroenie 30 no.5:71 My '64.

AGE

Age variations in the zinc content of the human blood. T.L.Dubina. Vestsi AN BSSR.Ser.biial.nav. no.1:8 '64.

AGED—NUTRITION

Marshak, M.S., and L.V.Baranovskii. [Nutrition of persons of middle and elderly age] Pitanie liudei sre nego i pozhilogo vozrasta. Izd.2. Moskva, Meditsi 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)

AGGLOMERATION

Adsorption reaction of carbon agglomeration. R.Kh. IAfaev. Zhur.mikrobiol.,epid.i immun. 40 no.10: 33-38 O '63.

AGGLUTINATION

Diagnostic importance of the agglutination reaction in diphtheria. V.D.Gladysheva. Trudy Irk.IEG no.5: 70-72 '60.

Genetic recombinations in intestinal bacteria. Report No.6. A.A.Abidov. Uzb.biol.zhur. 7 no.6:80-83 '63.

AGGLUTININS

Effect of penicillin on agglutinin formation in brucellos A.A.Navasardian. Izv.AN Arm.SSR.Biol.nauki 15 no.5:89-94 My '64.

Study of the properties of adenoviruses and their agglu tinins by fractionation using chromatography on DEA cellulose. V.M.Zhadnov and others. Vop.virus. n 688-692 N-D '63.

AGGREGATES

Determination of the k-th element of an ordered aggreg by means of coupled comparisons. S.S.Kislitsyn. S mat.zhur. 5 no.3:557-564 My-Je '64.

Kharin, N.N. [Mathematical logic and the theory of sets; relation between the abstract and the concrete] Matematicheskaia logika i teoriia mnozhestv; o sootnoshenii abstraktnogo i konkretnogo. Pod red. IA.L.Kharapinskogo. [Moskva] Rosvuzizdat, 1963. 191 p.

Linearly complete ordered sets. S.R.Kogalovskii. Usp.mat.nauk 19 no.2:147-150 Mr-Ap '64.

AGGREGATES (BUILDING MATERIALS)

Lime concrete with a filler of shell limestone. IU.M. Butt and others. Stroi.mat. 10 no.2:15-17 F '64.

AGING

Kolchinskaia, A.A. [Anoxia and age] Nedostatok kisloro i vozrast. Kiev, "Naukova dumka," 1964. 334 p.

"Time, cells, and aging" by Bernard L.Strehler. Reviewed by V.V.Alpatov. Usp.sovr.biol. 57 no.3 493-494 My-Je '64.

AGRICULTURAL ADMINISTRATION see subdivision under Gorkiy Province; Kez District; Kustanay Province

AGRICULTURAL CHEMICALS

Chemistry and the immunity of grape and fruit crops. IA.Prints. Komm.Mold. 9 no.2:34-37 F '64.

For the efficient use of poisonous chemicals. I.F.Pav Zashch.rast.ot vred.i bol. 8 no.10:1-2 O '63.

From experiments in the use of new preparations. M. Zubov and others. Zashch.rast.ot vred.i bol. 8 no.10:24-26 O '63.

From practices in using poisonous chemicals. A.V. Voevodin and others. Zashch.rast.ot vred.i bol. 9 no.5:22-24 '64.

How to handle toxic chemicals during field work. N.Nikulina. Okhr.truda i sots.strakh. 7 no.6:22-2 Je '64.

Session of the All-Union Academy of Agricultural Sciences. Zemledelie 26 no.5:41-43 My '64.

AGRICULTURAL CHEMICALS—SAFETY MEASURES

Be careful in working with poisonous chemicals. S.I. Danilenko, A.M.Taranenko. Zashch.rast.ot vred.i bol. 9 no.5:32-33 '64.

AGRICULTURAL CHEMICALS—TRANSPORTATION

Organize efficiently the transportation of freight for agriculture. A.V.Basov. Zhel.dor.transp. 46 no.4 3-9 Ap '64.

AGRICULTURAL CHEMISTRY
(see also subdivision under Turkmenistan)

Chemistry in agriculture. N. Mikhailov. Prof.-tekh. obr. 21 no.5:14-16d My '64.

Chemistry in the service of agriculture. S.D. Butylin. Nach.shkola 32 no.5:77-80 My '64.

Give large scope to the chemicalization of agriculture. Khim.v sel'.khoz. 2 no.1:1-2 Ja '64.

Intensification of agriculture is everybody's concern. Stroi.mat. 10 no.3:1 Mr '64.

"Physiological and agrochemical foundations of the use of fertilizers" by Z.I. Zhurbitskii. Reviewed by D.L. Askinazi, V.V. TSerling. Vest.AN SSSR 34 no.5:164-166 My '64.

AGRICULTURAL CHEMISTRY—BIBLIOGRAPHY see Bibliography—Agricultural chemistry

AGRICULTURAL CHEMISTRY—STANDARDS

For further development of standardization in agriculture. A.I.Ivlev. Standartizatsiia 28 no.4:3-6 Ap '64.

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING
(see also subdivision under Moldavia)

For a general agrochemical study. M.I.Iodko. Zemledelie 26 no.2:2-4 F '64.

AGRICULTURAL CHEMISTRY—TABLES, ETC.

Simplified method of calculating the results of biochemical and agrochemical analysis. E.V.Bronshtein. Dokl. TSKHA no.84:253-260 '63.

AGRICULTURAL CREDIT
(see also subdivision under Bulgaria)

In the Board of Directors of the State Bank of the U.S.S.R. Den.i kred. 22 no.5:93 My '64.

AGRICULTURAL GEOGRAPHY

Agricultural regionalization of the Central Economic-Geographic Region. G.IA. Nesmeianova. Vest.Mosk. un.Ser.5: Geog. 19 no.3:25-30 My-Je '64.

AGRICULTURAL LIBRARIES

Information. A.Minaev. Vest.sel'khoz.nauki 8 no.9: 156-158 S '63.

AGRICULTURAL MACHINERY
(see also subdivision under Azerbaijan; Estonia; Gorno-Altai Autonomous Province; Odessa Province; Ukraine)

Claims on tractors and agricultural machinery. K.Safonov. Tekh.v sel'khoz. 24 no.3:88-90 Mr '64.

Collection of papers on agricultural mechanics; a book review. V.A.Zheligovskii. Vest.sel'khoz.nauki 9 no.2:152 F '64.

Economic efficiency of the universalization of agricultural machinery. G.G.Kosachev. Biul.tekh.-ekon.inform. Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4: 58-60 Ap '64.

Experience in the mechanization of tomato cultivation. G.E.Usik. Kons.i ov.prom. 19 no.4:26-27 Ap '64.

Improve the technology of sugar beet growing. V.Svetlichnyi, A.Lebedik. Tekh.v sel'khoz. 24 no.5:10-15 My '64.

Karliuk, I.IA. [Organization of the work of a machine and tractor pool] Organizatsiia raboty mashinno-traktornogo parka. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi universitet: Sel'skokhoziaistvennyi fakul'tet, no.4)

Kudriavtsev, N.E. [Field manual on agricultural machines] Proizvodstvennyi praktikum po sel'skokhoziaistvennym mashinam. Moskva, Vysshaia shkola, 1964. 281 p.

Nomogram for planning the work of machines. V. Makarov. Tekh.v sel'khoz. 24 no.5:54-56 My '64.

Pripechenkov, K.F. [Put full loads on machinery] Tekhnike - polnuiu zagruzku. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 54 p. (Bibliotechka mekhanizatora)

Recent developments in technology. E.P.IAtsuk. Zemledelie 26 no.5:75-81 My '64.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment Ref.zhur.: Trakt.i sel'khoz.mash.i orud. no.6 Je '64.

AGRICULTURAL MACHINERY—COOLING

Experimental studying of the performance of "wide" ventilators. IU.G.Salmin, N.B.Bok. Vest.sel'khoz. nauki [Kazakh.] 7 no.4:119-123 Ap '64.

AGRICULTURAL MACHINERY—DRAWINGS

Letnev, B.IA. [Mechanical drawing for agricultural machinery operators] Cherchenie dlia sel'skikh mekhanizatorov. Izd.2., dop.i perer. Moskva, Vysshaia shkola, 1964. 319 p.

AGRICULTURAL MACHINERY—HYDRAULIC EQUIPMENT

Volumetric hydraulic transmissions in tractor-driven machinery. I.V.Frumkis, V.I.Mininzon. Vest. sel'khoz.nauki 9 no.2:87-94 F '64.

AGRICULTURAL MACHINERY—LUBRICATION

Apparatus for controlling the number of rotations of the RMTs oil filter. A.Chizhov, IU.Rybas. Tekh.v sel'khoz. 24 no.5:71-72 My '64.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Odessa Province; Tambov Province; Zaporozh'ye Province)

Abrasive and compromise. B.Purgalin. Izobr.i rats. no.6:7 '64.

Apparatus for cleaning piston grooves. V.Rysin. Tekh. v sel'khoz. 24 no.5:90 My '64.

Bath for washing parts. K.Gol'shtein. Tekh.v sel'khoz. 24 no.5:90 My '64.

Improve the repair and maintenance service of machines. Tekh.v sel'khoz. 24 no.5:1-3 My '64.

New sets of tools. I.Feigin. Tekh.v sel'khoz. 24 no.5: 69-71 My '64.

Russia (1917- R.S.F.S.R.) Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov. Upravlenie organizatsii truda i zarabotnoi platy. [Time norms and prices for the repair of agricultural machinery; manual for efficiency experts on state and collective farms] Normativy vremeni i rastsenki na remont sel'skokhoziaistvennoi tekhniki; posobie dlia normirovshchikov sovkhozov i kolkhozov. Moskva, Rossel'khozizdat, 1964. 335 p.

Use and repair of machinery on state farms. V.Semenov. Plan.khoz. 41 no.6:68-74 Je '64.

Using keyless joints. V.Aranzon, N.Nagornyi. Tekh.v sel'khoz. 24 no.3:73-75 Mr '64.

AGRICULTURAL MACHINERY—PRICES

On agricultural machinery prices. I.Karliuk. Vop. ekon. no.5:75-83 My '64.

Planning wholesale prices for agricultural machines. A.P.Kolotushkina. Trakt.i sel'khozmash. no.5:39-42 My '64.

AGRICULTURAL MACHINERY—RELIABILITY

Measurements of the reliability of tractors and agricultural machines. I.I.Trepenenkov. Trakt.i sel'khozmash. no.5:1-3 My '64.

AGRICULTURAL MACHINERY—RESEARCH

In the Department of Mechanization and Electrification. Vest.sel'khoz.nauki 9 no.4:136-140 Ap '64.

AGRICULTURAL MACHINERY—STANDARDS

For further development of standardization in agriculture. A.I.Ivlev. Standartizatsiia 28 no.4:3-6 Ap '64.

AGRICULTURAL MACHINERY—STUDY AND TEACHING

A useful book. P.Morozov. Tekh.v sel'khoz. 24 no.5: 79 My '64.

AGRICULTURAL MACHINERY—TIRES

Utilization of pneumatic tires. S.Zaitseva. Tekh.v sel'khoz. 24 no.3:61-62 Mr '64.

AGRICULTURAL MACHINERY INDUSTRY

Contemporary market of agricultural equipment in capitalist countries. P.S.Zav'ialov. BIKI [Prilozh.] no.4:3-76 Ap '64.

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL MICROBIOLOGY

Bychkin, P.V., S.S. Gitel'son, and N.B. Agababova. [Laboratory manual on microbiology] Praktikum po mikrobiologii. Moskva, Izd-vo "Kolos," 1964. 141 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

AGRICULTURAL PESTS—BIOLOGICAL CONTROL

Prokhorov, M.I., ed. [Using micro-organisms in the control of farm plant diseases and pests] Ispol'zovanie mikroorganizmov dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii. Leningrad, Izd-vo "Kolos," 1964. 85 p.
(DNAL)

AGRICULTURAL POLICY
(see also subdivision under Moldavia; United States; Uzbekistan)

The building of communism in the U.S.S.R. and the development of agriculture. Ekon.sel'khoz. 35 no.5: 18 My '64.

In the name of the triumph of communism. Zemledelie 26 no.5:3-6 My '64.

Kochin, I.N. [Overcoming social and economic distinctions between the city and village] Preodolenie sotsial'no-ekonomicheskikh razlichii mezhdu gorodom i derevnei. Moskva, Ekonomika, 1964. 206 p.

Overcoming the socioeconomic distinction between the city and the countryside during the period of the large-scale building of communism. S.V.Stepanov, I.F. Sutormin. Uch.zap.kaf.obshchestv.nauk vuz.g.Len.; Filos. no.5:50-76 '64.

Raising the culture of farming. N.V.TSitsin. Priroda 53 no.6:2-12 '64.

AGRICULTURAL RESEARCH
(see also subdivision under Moscow Province; A.S.S.R.)

A great decade. K.I.Skriabin and others. Vest. nauki 8 no.9:12-20 S '63.

Improve the coordination of agricultural research Kuznetsov. Vest.sel'khoz.nauki 9 no.5:06-10 '64.

Information. A.Minaev. Vest.sel'khoz.nauki 8 156-158 S '63.

Science and work go hand in hand. I. Tikhonov. profsoiuzy 20 no.13:10-11 Jl '64.

Tireless care of the Communist Party for the dev ment of agricultural science. Vest.sel'khoz.na no.9:1-11 S '63.

Urgent tasks of agricultural research. I.P. Volo Vest.sel'khoz.nauki 9 no.4:2-5 Ap '64.

AGRICULTURAL RESEARCH—CONGRESSES

Annual general meetings of the All-Union Academy Agricultural Sciences. Vest.sel'khoz.nauki 9 58-70 Ap '64.

In the Department of Agriculture. Vest.sel'khoz. 9 no.4:76-132 Ap '64.

AGRICULTURAL WAGES
(see also subdivision under Adzharistan; Crimea; Latvia; White Russia)

Material self-interest is the most important condi for an upsurge in agriculture. G.Goponenko. Vo ekon. no.6:3-11 My '64.

Planning and the expenditure of wage funds on state N.Popov. Plan.khoz. 41 no.6:61-68 Je '64.

Structure of production administration and wages o state farm. F.Gorodetskii. Sots.trud 9 no.5: My '64.

Ways to improve wages of managerial workers and specialists on state farms. M.Minin, N.Popov. Vop.ekon. no.6:147-152 Je '64.

Zharkov, F.A. [Organization of work and material incentives for workers on state grain farms] Org zatsiia truda i material'noe pooshchrenie rabochik zernovykh sovkhozov. Moskva, Izd-vo "Ekonomik 1964. 68 p.

AGRICULTURAL WORKERS
(see also subdivision under Estonia; Germany)

Letters from trade-union committees and production administrations. Sov.profsoiuzy 20 no.9:5 My

AGRICULTURAL WORKERS—DISEASES AND HYGIEN

Borisovets, L.F. [Studying the disease incidence o agricultural machinery operators] Opyt izucheniia zabolevaemosti mekhanizatorov sel'skogo khoziaist Moskva, Meditsina, 1964. 60 p. (Peredovoi opyt o ganizatsii zdravookhraneniia)
(DNLM)

AGRICULTURAL WORKERS—EDUCATION AND TRAI ING
(see also subdivision under Azerbaijan; Kazakhstan Kherson Province)

Inculcating in students an interest and love for work. A.F.Akhmatov. Shkola i proizv. 8 no.6:12-14 Je '64.

School graduates on a collective farm. L.M.Vykach V.S.Pavlenko. Shkola i proizv. 8 no.6:

AGRICULTURE
(see also subdivision under Algeria; Bashkiria; Chi Province; Finland; Georgia; Latgale, Latvia; Ossetia North; Poland; Ukraine; Virgin Territory; Volga Vall

Building of communism in the U.S.S.R. and the develo ment of agriculture; the eighth volume of N.S. Khru shchev's reports and public addresses on the problem of agriculture. Agitator no.9:2 My '64.

Buzdalov, I.N. [A hectare of land; studies on problems in the intensification of agriculture] Gektar zemli; ocherki po voprosam intensifikatsii zemledeliia. Moskva, Izd-vo "Znanie," 1964. 78 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no.2)

Creative workdays. N.Zharko. Zemledelie 26 no.5: 64-68 My '64.

The crop depends on effort and knowledge. D.Angel'ev N.Trofimenko, O.Shakalov. Zemledelie 26 no.5: 21-28 My '64.

Division of labor and transition to communism. I.Sudorovskii. Sots.trud 9 no.5:148-150 My '64.

Economic fertility of the soil and the intensification of agriculture; the results of the December 1963 and February 1964 Plenums of the Central Committee of the CPSU. M.M.Sokolov. Vest.Mosk.un.Ser.8: Ekon filos. no.3:3-12 My-Je '64.

For the introduction of new and advanced practices. T. Mal'tsev. Zemledelie 26 no.5:7-9 My '64.

Fundamental tasks in the intensification of agriculture. V.Morozov. Vop.ekon. no.5:12-22 My '64.

Going the Leninist way. Sots.zakon. 41 no.3:3-6 Mr '64.

In the All-Union Central Council of Trade Unions. Sov. profsoiuzy 20 no.9:8-9 My '64.

Information. M.Blinchevskii and others. Vest.sel'khoz. nauki 9 no.5:116-156 My '64.

AGRICULTURE (Continued)

Information. M. Karpenko, Z. I. Pakhtusova. Vest. sel'khoz. nauki 9 no. 2:153-158 F '64.

Intensification of socialist agriculture. V. Tiutin. Ekon. sel'khoz. 35 no. 5:27-40 My '64.

Permanent care is the greatest help. M. A. Posmitnyi. Zemledelie 26 no. 5:9-11 My '64.

Possibilities of increasing yields. A. G. Buznitskii. Zemledelie 26 no. 5:30-33 My '64.

[Practices and knowledge for farm workers] Truzhenikam sela - opyt i znaniia. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 57 p. (Sel'skokhoziaistvennyi universitet na domu)
(DNAL)

Specialists and agriculture. M. Taranda. Zemledelie 26 no. 5:88-90 My '64.

Specialization is a component part of agricultural intensification. Ekon. sel'khoz. 35 no. 5:1-7 My '64.

Take care of the crop fields in an organized way. Part. zhizn' no. 11:29-31 Je '64.

Use of ion exchange resins in agriculture. O. O. Kochina. Khim. prom. [Ukr.] no. 4:11-12 O-D '63.

We work in cooperation. A. Radchenko. Zemledelie 26 no. 5:91 My '64.

Work practices on our farm. F. V. Kallistratov. Agrobiologiia no. 2:168-170 Mr-Ap '64.

AGRICULTURE—ABSTRACTS

[Agriculture; classed index of articles in foreign periodicals] Sel'. khoz.; sist. ukaz. st. v inostr. zhur. no. 4 '64.

AGRICULTURE—ACCOUNTING

(see also subdivision under Belpol'ye District)

Accountant's tasks in the light of the decisions of the February Plenum of the Central Committee of the CPSU. D. Vasil'ev. Bukhg. uchet 21 no. 4:1-6 Ap '64.

Plenum of the Central Committee of the Trade Union of Government Employees. A. Novokhatskii. Vest. stat. no. 6:87 '64.

Use machine accounting in agriculture. M. Marov. Bukhg. uchet 21 no. 4:7-12 Ap '64.

Volkov, S. I., and M. M. Rapoport. [Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. Moskva, Izd-vo "Kolos," 1964. 319 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Tiraspol' District; Uryupinsk District

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—COSTS

Kotov, G. G. [Labor productivity and production costs in agriculture] Proizvoditel'nost' truda i sebestoimost' produktsii v sel'skom khoziaistve. Moskva, Ekonomika, 1964. 279 p.

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Burma; Estonia; Europe, Western; France)

"Balance of production and the distribution of agricultural production; method of compilation" by L. I. Egereva. Reviewed by N. Dubenetskii. Vest. stat. no. 6:67-70 '64.

Conduct collective and state farm production on a scientific basis. I. Romanenko, G. Larin. Ekon. sel'khoz. 35 no. 5:116-120 My '64.

Makovskii, D. P. [Development of commodity and monetary relations in the agriculture of the Russian state in the 16th century] Razvitie tovarno-denezhnykh otnoshenii v sel'skom khoziaistve Russkogo gosudarstva v XVI veke. Smolensk, Smolenskii gos. pedagog. in-t im. Karla Marksa, 1963. 556 p.

Reality refutes bourgeois fabrications. V. Maniakin. Ekon. sel'khoz. 35 no. 5:8-17 My '64.

Specialization and concentration of agricultural production [with summaries in English, German, and French]. B. Z. Synzynys. Vest. sel'khoz. nauki 8 no. 9:130-137 S '63.

AGRICULTURE—ECONOMIC ASPECTS—CONGRESSES

Research coordination. V. Karavaev, I. Polovenko. Ekon. sel'khoz. 35 no. 5:121-124 My '64.

AGRICULTURE—EXPERIMENTATION

Experimental work at the Ivanovo school. S. M. Pustovoit. Shkola i proizv. 8 no. 7:92 Jl '64.

AGRICULTURE—FINANCE

Make all efforts to solve the problems set by the party. A. Puzenkova. Den. i kred. 22 no. 5:3-11 My '64.

AGRICULTURE—HYGIENIC ASPECTS

(see also subdivision under Lithuania)

How to handle toxic chemicals during field work. N. Nikulina. Okhr. truda i sots. strakh. 7 no. 6:22-23 Je '64.

AGRICULTURE—LABOR PRODUCTIVITY

Kotov, G. G. [Labor productivity and production costs in agriculture] Proizvoditel'nost' truda i sebestoimost' produktsii v sel'skom khoziaistve. Moskva, Ekonomika, 1964. 279 p.

AGRICULTURE—MAPS

IUrovskii, IA. I., and others. [Agricultural mapping of a demonstration farm] Sel'skokhoziaistvennoe kartografirovanie oporno-pokazatel'nogo khoziaistva. Pod red. IA. I. IUrovskogo. Moskva, Gosgeoltekhizdat, 1963. 37 p.

AGRICULTURE—MATHEMATICAL MODELS

Methods of optimal planning. R. Kravchenko. Ekon. sel'khoz. 35 no. 5:41-48 My '64.

Use mathematical methods in planning. P. Klemyshev. Ekon. sel'khoz. 35 no. 5:19-26 My '64.

AGRICULTURE—SAFETY MEASURES

[Manual on labor protection in agriculture] Spravochnik po okhrane truda v sel'skom khoziaistve. Izd. 2., perer. i dop. Moskva, Sel'khozizdat, 1963. 615 p.

[Safety measures in agriculture] Darba drosiba lauksaimnieciba. [By] V. Dzelde un citi. Riga, Latvijas Valsts izd-ba, 1964. 258 p. [In Latvian]
(DNAL)

AGRICULTURE—STATISTICS

(see also subdivision under Krasnodar Territory; United States)

"Balance of production and the distribution of agricultural production; method of compilation" by L. I. Egereva. Reviewed by N. Dubenetskii. Vest. stat. no. 6:67-70 '64.

Conference on agricultural statistics. L. Mit'kina. Vest. stat. no. 6:84-86 '64.

Sobakinskikh, V. I. [Comparative economic indexes on the development of the agriculture of the U. S. S. R. and the U. S. A.] Sopostavlenie ekonomicheskikh pokazatelei razvitiia sel'skogo khoziaistva SSSR i SShA. Moskva, "Mysl," 1964. 149 p.

AGRICULTURE—STUDY AND TEACHING

Agricultural work in schools. A. N. Sviridov. Nach. shkola 32 no. 5:46-49 My '64.

At the Kumenka school experimental farm. O. A. Skobeleva. Shkola i proizv. 8 no. 7:91-92 Jl '64.

Bringing out the connection between subjects. K. F. Osipov, P. V. Dubrovskii, I. M. Gorbunov. Shkola i proizv. 8 no. 7:28-30 Jl '64.

Correspondence students acquire production skills on a school farm. I. Oleshko. Sred. spets. obr. 11 no. 4:48-49 Ap '64.

Editor's mail. Sred. spets. obr. 11 no. 4:63-64 Ap '64.

Encouraging the students to plan their work. A. G. Glushchenko. Shkola i proizv. 8 no. 7:38-39 Jl '64.

For close contact with the scientists and leading young workers of industry. V. S. IAs'. Shkola i proizv. 8 no. 7:93 Jl '64.

Fresh smell of grain. Igor' Shchipanov. Sem'ia i shkola 19 no. 3:22-23 Mr '64.

Good example of work training. IU. I. Golubiatnikov. Shkola i proizv. 8 no. 7:86 Jl '64.

In close connection with a collective farm. T. N. Polianichev, V. M. Likhonin, I. A. Kargin. Shkola i proizv. 8 no. 6:89-90 Je '64.

In close contact with pratice. K. N. Polukhin, A. N. Akopian. Shkola i proizv. 8 no. 7:24-27 Jl '64.

Let's give more attention to the practical training of students. S. G. Sirotov. Shkola i proizv. 8 no. 7:91 Jl '64.

Schools and collective farm production. P. S. Golubkin. Shkola i proizv. 8 no. 7:89 Jl '64.

This school is training qualified workers. V. S. Ivashkin. Shkola i proizv. 8 no. 7:12-14 Jl '64.

AGRICULTURE, COOPERATIVE see subdivision under Germany, East

AGRICULTURE, PRIMITIVE

Studies of the history of the development of agricultural techniques in the ancient world. IU. F. Novikov. Vest. drev. ist. no. 1:92-102 '64.

AGRICULTURISTS

The most honorable occupation. Z. Tyricheva. Zemledelie 26 no. 5:92-93 My '64.

AHUND-ZÂDE, FETH ALI, 1812-1878

M. F. Akhundov in the prerevolutionary Russian press. A. A. Seid-Zade. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 1:91-98 '64.

AIR—POLLUTION

(see also subdivision under Kuybyshev Province)

Gaseous products liberated by man in a hermetic cabin. G. M. Gorban', I. I. Kondrat'eva, L. T. Poddubnaia. Probl. kosm. biol. 3:210-216 '64.

Some characteristics of the change of wind direction and their application in the calculation of atmosphere contamination by factory chimneys. I. I. Melent'eva, S. N. Kaplan. Trudy GGO no. 144:76-80 '63.

AIR, IONIZED

Mikulin's ionizer. M. H. IEna. Farmatsev. zhur. 15 no. 4:33-35 '60.

AIR CONDITIONING

Algorithm for the static calculation surface-type air coolers. N. S. Khor'kov. Teploenergetika 11 no. 3:48-53 Mr '64.

Study of heat transfer during boiling in vertical tubes. T. A. Kolach, IU. G. Vvedenskii. Trudy MEI no. 48:53-66 '63.

AIR DEFENSES

Resources of the army air defense system. A. Filippov. Tekh. i vooruzh. no. 1:84-86 Ja '64.

AIR FLOW

Development of streams in a transverse twisted air flow. R. B. Akhmedov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 2:82-89 '64.

Some exact solutions to the transfer equation and their application to problems of the physics of undulatus. Sh. A. Musaelian. Izv. AN SSSR. Ser. geofiz. no. 5:765-772 My '64.

AIR PILOTS

[Soviet pilots in battles for the homeland] Sovetskie letchiki v boiakh za Rodinu. Moskva, Izd-vo DOSAAF, 1963. 195 p.

AIR PREHEATERS

Determination of optimum air heating temperature in single-stage boiler air preheaters. A. V. Zmachinskii. Teploenergetika 11 no. 3:32-36 Mr '64.

AIR-PRESSURE SUPPORT

Buildings based on inflated structures. A. Gogeshvili, L. IArin. Arkhit. SSSR no. 5:41-45 '64.

AIRFOILS

Effect of a vortex trail on the flow about a thick airfoil in an unsteady motion. V. V. IAkovenko. Trudy LPI no. 230:13-20 '64.

AIRLINES

Work and rest of airline workers. I. Snigireva. Sov. profsoiuzy 20 no. 13:42-44 Jl '64.

AIRPLANES see subdivision under Czechoslovakia

AIRPLANES—FUEL

Energy-producing characteristics of fuels for aviation gas-turbine engines. V. N. Zrelov. Neftieper. i neftekhim. no. 1:22-26 '64.

AIRPLANES—LANDING GEAR

From the ground to the takeoff strip. D. Mikhailov. Tekh. i vooruzh. no. 1:61 Ja '64.

AIRPLANES—MODELS

How to make a model of the AN-24 airplane. B. Toradeev. Kryl. rod. 15 no. 6:24 Je '64.

New trends in the construction of airplane models. A. Vasil'ev. Kryl. rod. 15 no. 6:23 Je '64.

Tailless airplane model. Kryl. rod. 15 no. 6:16 Je '64.

AIRPLANES—PILOTING

Nesterov's loop. IA. Forostenko. Kryl. rod. 15 no. 6:25-27 Je '64.

AIRPLANES, MILITARY see subdivision under United States

AIRPORTS—RUNWAYS

From the ground to the takeoff strip. D. Mikhailov. Tekh. i vooruzh. no. 1:61 Ja '64.

AKGEL', LAKE—GAME AND GAME BIRDS

Wintering of game and commercial birds on the Akgel' lakes of Azerbaijan. V. V. Vinogradov. Ornitologiia no. 6:466-468 '63.

AKHMADULINA, BELLA AKHATOVNA

Spiritualistic seance in poetry. IU. Vladimirov. Oktiabr' 40 no. 1:190-191 Ja '64.

AKHUNDOV, MIRZA FATALI see Ahund-Zâde, Feth Ali, 1812-1878

AKMOLINSK PROVINCE see Tselinograd Province

AKSU-DZHABAGLY PRESERVE—BIRDS—MIGRATION

Fall migration of birds in the Aksu-Dzhabagly Preserve. A. F. Kovshar'. Ornitologiia no. 6:360-363 '63.

AKTYUBINSK—IRON INDUSTRY—AUDITING AND INSPECTION

Auditing documents on the volunteer basis. P. Agarev. Bukhg. uchet 21 no. 4:39 Ap '64.

AKTYUBINSK PROVINCE—BIRDS—FOOD

Characteristics of feeding habits of the black kite in the Aktyubinsk steppes. S. N. Varshavskii. Ornitologiia no. 6:210-215 '63.

AKTYUBINSK PROVINCE—HAWKS

Characteristics of feeding habits of the black kite in the Aktyubinsk steppes. S. N. Varshavskii. Ornitologiia no. 6:210-215 '63.

AKTYUBINSK PROVINCE—MARMOTS

Landscape characteristics of the habitat and the former southern boundary of the distribution of bobac in the Aktyubinsk-Mugodzhar steppes [with summary in English]. S.N.Varshavskii, V.K.Garbuzov. Zool.zhur. 43 no.2:253-261 '64.

ALAGEZ, MOUNT see Aragats, Mount

ALAKUL' DEPRESSION—ROCKS, SEDIMENTARY

Colluvium of the Alakul' Depression. V.I.Eliseev. Lit.i pol.iskop. no.2:134-142 Mr-Ap '64.

ALATAU, ZAILIYSKIY see Trans-Ili Alatau

ALAVERDI REGION (ARMENIA)—ORE DEPOSITS—MAPS

Metallogenetic forecasting maps of the Alaverdi ore region in the Armenian S.S.R. S.S.Mkrtchian. Zakonom.razm.polezn.iskop. 7:348-351 '64.

ALBANIA, CAUCASIAN—INSCRIPTIONS

New observations on the epigraphy of Caucasian Albania. N.I.Rzaev. Izv.AN Azerb.SSR.Ser.obshchestv.nauk no.1:111-118 '64.

ALBEDO see subdivision under Soviet Central Asia

ALBOMYCIN

Structure of the pyrimidine base, a constituent of albomycin. N.A.Poddubnaia, G.I.Lavrenova, T.M. Andronova. Zhur.ob.khim. 34 no.3:1030-1031 Mr '64.

ALCOHOL

Accelerated photocolorimetric determination of alcohol in juices. N.Kh.Grinberg, T.A.Manuilova. Kons.i ov.prom. 19 no.4:31-33 Ap '64.

Obtaining diatomic alcohols by hydration. V.I.Karzhev, B.IA.Rabinovich, G.D.Evseev. Trudy VNII NP no.9: 255-267 '63.

ALCOHOLS

Accumulation and liberation of alcohols by the roots of plants suffering from oxygen deficiency. G.M.Grineva. Dokl.AN SSSR 156 no.5:1225-1228 Je '64.

Addition of dimethylamine to acetylenic alcohols. S.A. Vartanian, Sh.O.Badanian, R.G.Agababian. Izv.AN Arm.SSR.Khim.nauki 17 no.2:191-195 '64.

Catalytic synthesis of nitropolyurethanes by copolymerization of diisocyanates with nitrodiols and nitrotriols. N.L.Solodova, L.M.Kozlov, V.I.Burmistrov. Vysokom. soed. 6 no.4:722-725 Ap '64.

Chemistry of vinylacetylene. Part 47: Hydrochlorination of methylethylvinylethinylcarbinol, methylethylvinylethinylchloromethane, and 5-methyl-1, 5-heptadien-3-yne. S.A.Vartanian, G.A.Musakhanian, L.O.Avetian. Izv.AN Arm.SSR.Khim.nauki 17 no.2:164-172 '64

Effect of the structure of amines on the kinetics of reactions of benzoyl peroxide with amino alcohols. E.R.Sarukhanian, N.M.Beilerian, O.A.Chaltykian. Dokl.AN Arm.SSR 38 no.5:285-288 '64.

Formation of aldehydes and higher alcohols by the yeasts Saccharomyces vini, Sacch.carlsbergenesis and Sacch. cerevisiae in the presence of sulfites in the fermentated medium [with summary in English]. I.IA.Veselov, A.G.Kann, I.M.Gracheva. Mikrobiologiia 32 no.4: 610-615 Jl-Ag '63.

Free radical addition of low-molecular alcohols to unsaturated compounds. G.I.Nikishin, V.D.Vorob'ev. Izv.AN SSSR.Ser.khim. no.5:894-897 My '64.

Preparation and some transformations of α-amino alcohols of the naphthalene series. K.D.Petrov, R.G. Tikhomirova. Zhur.ob.khim. 34 no.3:909-911 Mr '64.

Reduction of zinc-chromium catalysts in alcohol synthesis. B.I.Kruhlov, E.F.Mikal'ova. Khim.prom.[Ukr.] no.4:15-19 O-D '63.

Solubility of $(NH_4)_2BeF_2$ in solutions of propyl and butyl alcohols. L.P.Reshetnikova, A.V.Novoselova, B.S. Zakharova. Vest.Mosk.un.Ser.2:Khim. 19 no.2: 30-32 Mr-Ap '64.

Synergetic effect of alcohols on the inhibitive power of aromatic amines. E.T.Denisov, V.P.Shcheredin. Izv.AN SSSR.Ser.khim. no.5:919-921 My '64.

Synthesis of some acetylenic alcohols. L.I.Zakharkin, V.I.Stanko, V.A.Bratsev. Izv.AN SSSR.Ser.khim. no.5:931-932 My '64.

Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 3: Mass spectrometry of amino alcohols. V.G. Manusadzhian, IA.M.Varshavskii. Izv.AN Arm.SSR. Khim.nauki 17 no.2:156-163 '64.

ALDAN VALLEY—GEOLOGY, STRUCTURAL

Characteristics of tectonic disturbances and their relation to the perennially frozen rocks. S.F. Khrutskii. Vest.Mosk.un.Ser.5: Geog. 19 no.3:87-88 My-Je '64.

ALDEHYDES

Formation of aldehydes and higher alcohols by the yeasts Saccharomyces vini, Sacch. carlsbergenesis and Sacch. cerevisiae in the presence of sulfites in the fermentated medium [with summary in English]. I.IA.Veselov, A.G.Kann, I.M.Gracheva. Mikrobiologiia 32 no.4: 610-615 Jl-Ag '63.

Obtaining aldehydes in the reduction of carboxylic acid esters with aluminum hydride. L.I.Zakharkin, V.V. Gavrilenko, D.N.Maslin. Izv.AN SSSR.Ser.khim. no.5:926-928 My '64.

Reduction of carboxylic acids to aldehydes with diisobutylalumimum hydride. L.I.Zakharkin, I.M. Khorlina. Zhur.ob.khim. 34 no.3:1029 Mr '64.

ALDOLASE

Effect of fractional X-ray irradiation on the activity of hexokinase and aldolase in the cerebral and muscular tissues of rats. M.F.Siliaeva. Vestsi AN BSSR.Ser. biial.nav. no.1:101-106 '64.

Ineffectiveness of the aldolase test as a method for selection of placental sera in the preparation of gamma globulin. D.E.Zibitsker, M.G.Milikova. Zhur. mikrobiol.,epid.i immun. 40 no.5:123-126 My '63.

Neuraminic acid aldolase activity in rat kidneys in experimental nephrosis. I.V.TSvetkova, A.B.Kozina. Vop.med.khim. 9 no.1:96-98 Ja-F '63.

ALECSANDRI, VASILE, 1821-1890

Il'iashenko, T.P. [Language and style of V.Alecsandri's verse. IAzyk i stil' poezii V.Aleksandri. [Kishinev, Shtiintsa] 1961. 172 p. [In Moldavian]
(MH)

ALEKSEEV, NIKANDR ALEKSEEVICH, 1892-1963

Maksimov, V.I. [Works of N.A.Alekseev; a critical and bibliographic account] Tvorchestvo N.A.Alekseeva; kritiko-bibliograficheskii ocherk. [n.p.] Izd-vo gazety "Pskovskaia pravda," 1963. 41 p.

ALEKSEYEVKA DISTRICT (BELGOROD PROVINCE)—FARM MECHANIZATION

Advantages of a brigade with over-all mechanization. I.Kurbatov. Ekon.sel'khoz. 35 no.5:83-89 My '64.

ALFALFA

(see also subdivision under Azerbaijan; Irkutsk Province; Kazakhstan; Turkmenistan; Uzbekistan)

Effect of microelements on the activity and virulence of alfalfa nodule bacteria. T.M.Melkumova, Zh.M. Gazaichian. Dokl.AN Azerb.SSR 20 no.2:53-57 '64.

ALGAE

(see also subdivision under Ararat Plain; Black Sea; Kil'din Island; Turkmenistan)

Analysis of two methods for measuring the intensity of photosynthesis of Chlorella. E.A.Ivanov, I.V.Aleksandrova. Probl.kosm.biol. 3:415-427 '64.

ALGAE—CULTURES AND CULTURE MEDIA

Automatic control of the regime of algae cultivation. E.A.Ivanov, I.V.Aleksandrova. Probl.kosm.biol. 3:449-459 '64.

Effect of illumination and temperature on pigment formation in Dunaliella salina [with summary in English]. E.S.Mil'ko. Mikrobiologiia 32 no.4:590-597 Jl-Ag '63.

Effect of the concentration of different components of the medium on the growth and nitrogen fixation of blue-green algae [with summary in English]. Mohamed Sameh Taha. Mikrobiologiia 32 no.4:582-589 Jl-Ag '63.

Increase of the photosynthetic productivity of Chlorella cultures in units used for the biological regeneration of air. G.I.Meleshko. Probl.kosm.biol. 3:410-414 '64.

Mathematical analysis of the process of mass cultivation of Chlorella in biological cultivation units of an asymmetric profile. I.V.Smirnov. Probl.kosm.biol. 3: 432-448 '64.

Repeated use of nutrient media for the cultivation of Chlorella pyrenoidosa. T.B.Galkina. Probl.kosm. biol. 3:428-431 '64.

ALGAE—OPTICAL PROPERTIES

Characteristics of the algal suspension as an optical system. S.V.Tageeva and others. Probl.kosm.biol. 3:335-354 '64.

ALGAE—TOXICOLOGY

Biologically active substances in regulated bodies of water, their role in the formation of water quality and their hygienic significance. M.M.Gastilina. Trudy Gidrobiol.ob-va 14:228-233 '63.

Toxic gaseous substances produced by Chlorella. M.M. Korotaev and others. Probl.kosm.biol. 3:204-209 '64.

ALGEBRA

Direct powers of unary algebras. O.A.Ivanova. Vest. Mosk.un.Ser.1:Mat.,mekh. 19 no.3:31-38 My-Je '64.

Grava, A., and O.Treiliba. [Algebra and elementary functions of geometry; textbook for teachers of grade 9] Algebra un elementaras funkcijas geometrija; macibu paligliidzeklis skolotajiem 9.klasei. Riga, Latvijas Valsts izd-ba, 1963. 132 p. [In Latvian]

ALGEBRA—STUDY AND TEACHING

Algebraic summer school at Kaariku. E.IA.Gabovich. Usp.mat.nauk 19 no.1:232-234 Ja-F '64.

ALGEBRA, ABSTRACT

Normalization of the weight vectors of the algebra of differentiations of a standard null-algebra. G.B. Gurevich. Uch.zap.MGPI no.208:314-323 '63.

ALGEBRA, UNIVERSAL

Manifolds in categories. A.Kh.Livshits, M.S.TSalenk E.G.Shul'geifer. Mat.sbor. 63 no.4:554-581 Ap '

ALGEBRAIC CURVES see Curves, Algebraic

ALGEBRAIC FIELDS see Fields, Algebraic

ALGEBRAIC GEOMETRY see Geometry, Algebraic

ALGEBRAS, LINEAR

"Elements of linear algebra and linear programming" b M.I.Romakin. Reviewed by S.V.Fomin. Usp.mat. nauk. 19 no.1:243-245 Ja-F '64.

"Linear algebra and matrix theory" by E.D.Nering. Reviewed by V.N.Latyshev. Zhur.vych.mat.i mat. fiz. 4 no.1:205 Ja-F '64.

ALGERIA—AGRICULTURE

Agrarian problems of Algeria. T.Koval'. Ekon.sel'khoz. 35 no.5:110-115 My '64.

ALGERIA—ECONOMIC CONDITIONS

Algeria today. V.Kuznetsov. Mezhdunar.zhizn' 11 no.6:141-143 Je '64.

Travel notes from Algeria. R.Landa. Nov.vrem. 21 no.13:27-29 Mr '64.

ALGERIA—FOREIGN RELATIONS—RUSSIA

[Indissoluble friendship and brotherhood; the visit of Ahmed Ben Bella, President of the Algerian People's Democratic Republic and Secretary General of the Algerian National Liberation Front Party in the U.S.S.R., from April 25 to May 7, 1964] Nerushimaia druzhba i bratstvo; prebyvanie Prezidenta Alzhirskoi Narodnoi Demokraticheskoi Respubliki, General'nogo sekretaria partii Front natsional'nogo osvobozhdeniia Alzhira Akhmeda Ben Belly v SSSR, 25 aprelia-7 maia 1964 goda. Moskva, Politizdat, 1964. 160 p.

ALGORITHMS

Algorithm for the comparison of two binary numbers. A.D.Chudakov. Avtom.i telem. 25 no.3:430-433 Mr '64.

An economical algorithm for the numerical solution of systems of differential and algebraic equations. A.A. Samarskii. Zhur.vych.mat.i mat.fiz. 4 no.3:580-586 My-Je '64.

Problems in the application of algorithms and the use of computing equipment for the control of production processes. V.T.Kulik, V.V.Ivanov. Vest.mashinostr. 44 no.5:80-81 My '64.

ALIMENTARY CANAL

Changes in the functions of the gastrointestinal tract during experimental suppurative processes in horses. V.N.Kviatkovskii. Trudy AZVI 12:528-535 '61.

ALIMENTARY CANAL—DISEASES

Importance of liver and gastic function in the development of skin lesions caused by epoxy resins and gastric salts [with summary in English]. I.P.Tiyrkunov. Vest.derm.i ven. 37 no.6:27-30 Je '63.

ALIMENTARY CANAL—RADIOGRAPHY

"Emergency X-ray examination in the clinic of acute gastroduodenal hemorrhages" by M.M.Sal'man. Reviewed by I.A.Shekhter. Vest.rent.i rad. 38 no.6: 69-70 N-D '63.

X-ray data concerning the functional state of the stomach and the duodenum in chronic colitis. T.M.Mirzaev, T.N.Ubaidullaev. Trudy Inst.kraev.eksper.med. no.5:81-87 '63.

ALIMENTARY CANAL—SECRETIONS

Morphological analysis of secretory disorders in the stomach and intestines in case of obstructions in domestic animals. M.T.Kleinbuk. Trudy AZVI 12:369-396 '61.

ALIMOV, R.A., 1902-

R.A.Alimov; on his 60th birthday. Izv.AN Uz.SSR.Ser. tekh.nauk 7 no.1:82 '63.

ALKALI HALIDE CRYSTALS—ELECTRIC PROPERTIES

High-temperature impurity electroconductivity in alkali halide crystals. IA.N.Pershits. Izv.vys.ucheb.zav.; fiz. no.2:191-195 '64.

ALKALI METAL CARBONATES

Peroxyhydrates and hydrates of rubidium and cesium carbonates. Report No.1: Solubility isotherms of the ternary systems $Rb_2CO_3 - H_2O_2 - H_2O$ and $Cs_2CO_3 - H_2O_2 - H_2O$ at 0°C. T.A.Dobrynina, B.S.Dzielkevich. Izv.AN SSSR.Ser.khim. no.5:700-704 My '64.

ALKALI METAL HALIDE CRYSTALS

Effect of impurities on the chemical shift of nuclear magnetic resonance signals from Na^{23} in alkali metal halide crystals. V.S.Grechishkin, M.L.Zlatogorskii. Fiz.tver.tela 6 no.4:1236-1240 Ap '64.

ALKALI METAL HALIDE CRYSTALS—DEFECTS

Determining the properties of vacancy pairs in alkali metal halide crystals. N.N.Kristofel', E.E.Tiurkson. Fiz.tver.tela 6 no.4:1246-1248 Ap '64.

ALKALI METAL HALIDES—ABSORPTION SPECTRA

Mechanism of the optical sensitization of alkali halide crystals. O.I.[illegible]. Zhur.fiz.[illegible] 38 no.4:1004-1010 Ap '64.

ALKALI METAL SILICATES, EFFECT OF RADIATION ON

Magnetic relaxation of alkali silicate glasses following gamma-irradiation. [illegible] Izv.vys.ucheb.zav.; fiz. no.2:[illegible] '64.

ALKALI METALS

Interaction of [illegible] metals in the [illegible]. [illegible] 840-844 My '64.

Resonance charge exchange [illegible] alkali metals. [illegible] My '64.

ALKALI METALS—ANALYSIS

[illegible] A-type zeolite. A.M.[illegible] Ap '64.

Separation of alkali elements [illegible]. Part 1. [illegible] Radiokhimiia [illegible] '64.

Separation of alkali [illegible]. Part 2. [illegible] Radiokhimiia [illegible] '64.

ALKALOIDS

[illegible]

Alkaloids of [illegible] '64.

Determining [illegible]

Quantitative [illegible]

[illegible] '64.

[illegible]

[illegible]

[illegible]

ALKALOIDS—STERILIZATION

[illegible]

ALKALOIDS—THERAPEUTIC USE

[illegible]

ALKENES see Olefins

ALKYLATION

[illegible]

[illegible]

ALL-UNION COMMUNIST PARTY (BOLSHEVIKS) see Communist Party of the Soviet Union

ALLERGY

Determining the physiological [illegible] Trudy AZVI 13 [illegible]

Effect of [illegible]

Use of the allergic test in the diagnosis of allergic diseases. [illegible] '64.

ALLIANCE FOR PROGRESS

Daydreams of the [illegible]. [illegible] '64.

ALLOXAN

Course of experimental alloxan diabetes in irradiated animals. [illegible] Vop.radiobiol. [AN Arm.SSR] [illegible] '63.

ALLOXAZINE

[illegible] properties of the [illegible] forms of riboflavine and lumichrome. [illegible] Ap '64.

ALLOYS

Classification of diagrams of state of binary metallic systems in accordance with their atomic interaction forces. M.V.Vasil'ev. Zhur.fiz.khim. 38 no.4: [illegible]-977 Ap '64.

On the significance of the volume factor during the formation of the sigma phase. V.N.Bykov, V.A.Soloviev. Zhur.strukt.khim. 5 no.2:[illegible]-307 Mr-Ap '64.

[illegible] method of determining the concentration dependence of diffusion coefficients in metallic melts. [illegible] Zhur.fiz.khim. 38 no.[illegible] '64.

Wear-resistant alloys. M.I.Gerber, I.Z.[illegible] [illegible] Ap '64.

ALLOYS—ANALYSIS

[illegible] determining bismuth, antimony, and [illegible] in nonferrous alloys by means of an [illegible] method. [illegible] '64.

ALLOYS—HARDENING

Effect of preliminary cold working on the mechanical properties of heat-resisting [illegible] alloy tubes. M.Z.Ermanok, [illegible] Metalloved.i term.obr.met. no.4:33-36 Ap '64.

ALLOYS—METALLOGRAPHY

[illegible] of alloys. [illegible] AN Kazakh. SSR [illegible]

[illegible] recrystallization by deformation [illegible] A.A.Presnyakov, [illegible] AN Kazakh.SSR [illegible] '63.

[illegible] A.A.Presnyakov, [illegible] AN Kazakh.SSR [illegible]

[illegible] alloys. [illegible] Ap '64.

ALLOYS—TESTING

Presnyakov, A.A., V.A.Samoilov, and V.Y.Chernyshova. [Plasticity of commercial-grade alloys; reference material] Plastichnost' tekhnicheskikh splavov; spravochnye materialy. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1964. [illegible] p.

ALLYL COMPOUNDS

[illegible] '64.

ALMA-ATA—CATTLE—FEEDING AND FEEDS

[illegible] to cattle [illegible] Vest.sel'khoz.nauki [Kazakh.] [illegible] '64.

ALMA-ATA—FLOUR MILLS

[illegible] Alma-Ata Milling Combine; [illegible] of the enterprises of the [illegible] '64.

ALMA-ATA—FURNITURE INDUSTRY—ACCOUNTING

[illegible] '64.

ALMA-ATA PROVINCE—COWS—DISEASES AND PESTS

[illegible] Alma-Ata Province. [illegible] Trudy AZVI 13 [illegible]

ALMA-ATA PROVINCE—FEEDING

[illegible] Trudy AZVI 13 [illegible]

ALMA-ATA PROVINCE—HORSE BREEDING

Ways and means for developing [illegible] horse breeding in Alma-Ata Province. [illegible] Trudy AZVI [illegible]

ALMA-ATA PROVINCE—PEAS—VARIETIES

Biology of the flowering of pea varieties in Alma-Ata Province. A.A.[illegible], O.S.[illegible] Vest. sel'khoz.nauki [Kazakh.] [illegible] Ap '64.

ALMA-ATA PROVINCE—SHEEP—DISEASES AND PESTS

Materials on the pathomorphology of [illegible] lesions of the lungs of sheep in Alma-Ata Province. [illegible] Trudy AZVI 13:397-401 '61.

Role of seasonal pasture changes in the epizootiology of enterotoxemia of sheep in Alma-Ata Province. O.I. Lopatnikov. Trudy AZVI 13:545-551 '61.

ALMA-ATA PROVINCE—SUGAR BEETS—FERTILIZERS AND MANURES

Fertilizing irrigated sugar beets in the desert-steppe zone of Alma-Ata Province. V.I.Kiselev, V.I.Pashkin. Trudy AZVI [illegible] '61.

ALMA-ATA PROVINCE—TOXEMIA

Role of seasonal pasture changes in the epizootiology of enterotoxemia of sheep in Alma-Ata Province. O.I. Lopatnikov. Trudy AZVI 13:545-551 '61.

ALMA-ATA PROVINCE—UIGUR LANGUAGE—DIALECTS

Phonetic principles of the Chilik dialect of the Uigur language. L.A.Aganina. Krat.soob.Inst.nar.Az. no.72:120-136 '63.

ALPHA RAYS

α-decay of Cm^{241}. B.S.Dzhelepov, R.B.Ivanov, V.G. Nedovesov. Zhur.eksp.i teor.fiz. 46 no.5:1517-1524 My '64.

ALPS—MOUNTAINEERING

In the Alps. Iu.D.Dmitrovskii. Mat.Otd.uchsh.geog. Geog.ob-va SSSR no.2:[illegible] '63.

ALTAI GOVERNMENT—PUBLIC HEALTH

Development of public health service in the Altai in the first years of Soviet power. A.S.Koikin. Trudy Perm.gos.med.inst. 43:334-337 '63.

ALTAI MOUNTAINS—BARITE

Basic characteristics of the geology of the Zarechenskoye barite-complex metal deposit. V.P.Dmitriev. Geol. rud.mestorozh. 6 no.2:97-101 Mr-Ap '64.

ALTAI MOUNTAINS—BIRDS

New data on the ornithofauna of the northeastern Altai. V.G.Vorob'ev, Iu.S.Ravkin, B.P.[illegible] Ornitologiia no.6:140-145 '63.

ALTAI MOUNTAINS—GEOLOGICAL TIME

Age of the so-called Kalba intrusions in the Gornyy Altai. Zh.D.Nikolaiskaia, V.A.Trofimov. Trudy VSEGEI 94: 166-171 '63.

Age relations of complex metal deposits to the Hercynian intrusions of the Rudnyy Altai. Z.V.Sidorenko. Trudy VSEGEI 94:172-195 '63.

ALTAI MOUNTAINS—GEOLOGY

Geology and characteristics of the distribution of complex metal deposits in the Gornyy Altai. A.A.Tychinskii. Trudy Inst.geol.i geofiz.Sib.otd.AN SSSR no.13:[illegible]-303 '63.

ALTAI MOUNTAINS—GEOLOGY, STRUCTURAL

History of tectonic development and regionalization in the Gornyy Altai. Zh.D.Nikolaiskaia, V.K.Popov, V.A. Trofimov. Trudy VSEGEI 94:92-120 '63.

Tectonic regionalization and basic features of endogenetic metallogeny in the Gornyy Altai. V.A.Kuznetsov. Trudy Inst.geol.i geofiz.Sib.otd.AN SSSR no.13:5-88 '63.

ALTAI MOUNTAINS—LEAD

Lead-zinc mineralization of the south Altai ore complex. M.G.Khisamutdinov, T.IA.Demidova. Trudy VSEGEI 94:196-214 '63.

ALTAI MOUNTAINS—ORE DEPOSITS

Basic characteristics of the geology of the Zarechenskoye barite-complex metal deposit. V.P.Dmitriev. Geol. rud.mestorozh. 6 no.2:97-101 Mr-Ap '64.

Devonian volcanism and its role in the metallogeny of the Gornyy Altai. N.N.Lapin. Trudy Inst.geol.i geofiz. Sib.otd.AN SSSR no.13:89-152 '63.

Geology and characteristics of the distribution of complex metal deposits in the Gornyy Altai. A.A.Tychinskii. Trudy Inst.geol.i geofiz.Sib.otd.AN SSSR no.13:245-303 '63.

Tectonic regionalization and basic features of endogenetic metallogeny in the Gornyy Altai. V.A.Kuznetsov. Trudy Inst.geol.i geofiz.Sib.otd.AN SSSR no.13:5-88 '63.

ALTAI MOUNTAINS—ROCKS, IGNEOUS

Devonian volcanism and its role in the metallogeny of the Gornyy Altai. N.N.Lapin. Trudy Inst.geol.i geofiz. Sib.otd.AN SSSR no.13:89-152 '63.

Intrusive complexes in the southwestern Altai. K.G. Bogdanova. Trudy VSEGEI 94:139-159 '63.

ALTAI MOUNTAINS—ZINC ORES

Lead-zinc mineralization of the south Altai ore complex. M.G.Khisamutdinov, T.IA.Demidova. Trudy VSEGEI 94:196-214 '63.

ALTAI TERRITORY—CAPITAL INVESTMENTS

Mobilizing own funds to finance capital investments. K.Shmyrin. Den.i kred. 22 no.5:51-53 My '64.

ALTAI TERRITORY—CATTLE—FEEDING AND FEEDS

Year-round feeding of cattle with corn silage [with summaries in English, German, and French]. N.K.Vishniakov, L.V.IAkshina. Vest.sel'khoz.nauki 8 no.9: 61-65 S '63.

ALTAI TERRITORY—CORN AS FEED

Year-round feeding of cattle with corn silage [with summaries in English, German, and French]. N.K.Vishniakov, L.V.IAkshina. Vest.sel'khoz.nauki 8 no.9: 61-65 S '63.

ALTAI TERRITORY—DROUGHTS

Chemistry and cultivation practices win over drought. [illegible] Zemledelie 26 no.2:5[illegible]-60 F '64.

ALTAI TERRITORY—FERTILIZERS AND MANURES

Chemistry and cultivation practices win over drought. [illegible] Zemledelie 26 no.2:5[illegible]-60 F '64.

ALTAI TERRITORY—HEALTH EDUCATION

History of sanitary education in the Altai. A.S.Eodkin. Trudy Perm.gos.med.inst. 43:379-381 '63.

ALTITUDE, INFLUENCE OF

Heart [illegible] and electrocardiographic indices in Alatau [illegible] related to the age and the zone of raising. [illegible] Trudy AZVI 12:518-527 '61.

ALUMINATES

Coagulation of aqueous solutions of potassium silicate in the presence of aluminate. G.A.Vetrova and others. Dokl.LPI 5 no.1/2:141-143 '63.

Gelation of aqueous solutions of potassium silicate in the presence of aluminates. G.A.Vetrova, V.L. Levashova. Dokl.LPI 5 no.1/2:144-147 '63.

ALUMINUM

Reduction of carboxylic acids to aldehydes with diisobutylaluminum hydride. L.I.Zakharkin, I.M. Khorlina. Zhur.ob.khim. 34 no.3:1029 Mr '64.

ALUMINUM—ELECTROMETALLURGY

Quality of flat commercial aluminum ingots cast from molten electrolytic baths. V.I.Kulakov and others. Alium.splavy no.3:390-396 '64.

ALUMINUM ALLOYS

Aluminum-alloy valves. T.Kh.Abramian. Mash.i neft. obor. no.5:47-48 '63.

Utilizing scrap from ductile aluminum alloys. I.N. Fridliander, M.A.Istrin, G.E.Gol'dbukht. Alium. splavy no.3:326-329 '64.

ALUMINUM ALLOYS—ANALYSIS

Hot cracking of AB and AMg alloys depending on their chemical composition. V.I.Kulakov. Alium.splavy no.3:363-370 '64.

ALUMINUM ALLOYS—BRITTLENESS

Hot cracking of AB and AMg alloys depending on their chemical composition. V.I.Kulakov. Alium.splavy no.3:363-370 '64.

ALUMINUM ALLOYS—HEAT TREATMENT

Effect of the conditions of heat treatment on the mechanical properties and surface quality of extruded products made of B95 and D16 alloys. E.I.Kutaitseva, Z.G. Filippova. Alium.splavy no.3:216-226 '64.

Effect of the temperature of ingot homogenizing on changes in the mechanical properties of B95 alloy shapes. B.I.Matveev, M.I.Dziubenko. Alium.splavy no.3: 397-404 '64.

Reduction of internal stresses in aluminum alloy products. V.G.Vorob'ev, I.Kh.Lokshin, N.L.Tiskovich. Metalloved.i term.obr.met. no.4:33-35 Ap '64.

Volumetric changes of semifinished products made of the B95 alloy in the process of heat treatment. E.D.Zakharov and others. Alium.splavy no.3:227-236 '64.

ALUMINUM ALLOYS—METALLOGRAPHY

Accumulation of segregates in AMts alloy ingots. V.K. Zinov'ev. Alium.splavy no.3:383-389 '64.

Methods of eliminating the macrocrystalline rim in extruded products made of aluminum alloys. V.P. Kozlovskaia, N.I.Vasil'eva, E.Z.Nepomniashchaia. Alium.splavy no.3:251-262 '64.

Nonuniformity in continuously cast ingots and its effect on the quality of semifinished products. E.D.Zakharov and others. Alium.splavy no.3:371-382 '64.

ALUMINUM ALLOYS—METALLURGY

Investigating the diffusion of addition alloy elements in aluminum alloys. E.D.Zakharov, N.P.Dronova, L.E. Nikol'skaia. Alium.splavy no.3:159-174 '64.

New methods of refining aluminum alloys. A.E.Semenov, V.A.Zasypkin, R.M.Gabidullin. Alium.splavy no.3: 330-338 '64.

ALUMINUM ALLOYS—THERMAL PROPERTIES

Heat-resistant D19 alloy. E.I.Shilova and others. Alium. splavy no.3:237-250 '64.

ALUMINUM ALLOYS—WELDING

Properties of welded joints in AD31 and AD33 aluminum alloys. IU.P.Arbuzov. Alium.splavy no.3:36-45 '64.

ALUMINUM CHLORIDE

Aromatic fluorine derivatives. Part 12: Reaction of fluohalobenzenes with aluminum chloride. G.G. IAkobson, V.D.Shteingarts, G.A.Berezovskii. Zhur. ob.khim. 34 no.3:932-936 Mr '64.

Complex compounds of alkyl- and polyalkylchlorophosphines with aluminum chloride. Part 3: Production of complex compounds of trialkyldichlorophosphines with aluminum chloride and their reduction. S.Z.Ivin, K.V. Karavanov, V.V.Lysenko. Zhur.ob.khim. 34 no.3: 852-854 Mr '64.

ALUMINUM-COPPER-LITHIUM ALLOYS—METALLURGY

Characteristics of smelting and casting of the VAD23 alloy. O.E.Khabarova and others. Alium.splavy no.3: 201-208 '64.

Selecting a technology and studying the effect of technological factors on the structure and properties of the VAD23 alloy. I.N.Fridliander and others. Alium.splavy no.3: 182-193 '64.

ALUMINUM-COPPER-LITHIUM ALLOYS—TESTING

Manufacture and investigation of semifinished products from high-strength and heat-resistant VAD23 aluminum alloys. I.N.Fridliander and others. Alium.splavy no.3:194-200 '64.

ALUMINUM-COPPER-MAGNESIUM ALLOYS

Investigating the rate of diffusion of copper, magnesium, and manganese in aluminum depending on the degree of deformation during extrusion. B.D.Galatskii, I.S. Afanas'eva, I.N.Fridliander. Alium.splavy no.3: 263-270 '64.

ALUMINUM-COPPER-MAGNESIUM ALLOYS—ANALYSIS

Role of silicon in AK4-type aluminum alloys (group RR). L.P.Luzhnikov. Alium.splavy no.3:209-215 '64.

ALUMINUM FORGINGS

Ways to reduce warping of large-size parts made of the AK4-1 alloy. N.A.Loktionova and others. Alium. splavy no.3:271-284 '64.

ALUMINUM FORGINGS—TESTING

Developing and investigating the heat-resistant forging D21 aluminum alloy. O.A.Romanova, I.N.Fridliander. Alium.splavy no.3:175-181 '64.

Effect of technological factors on the structure and properties of forgings made of the B93 alloy. F.V.Tuliankin. Alium.splavy no.3:120-134 '64.

Investigating large-size forgings made of the B93 alloy. V.I.Khol'nova, V.G.Kovrizhnykh, Z.A.Elagina. Alium.splavy no.3:136-144 '64.

Manufacture and investigation of semifinished products from high-strength and heat-resistant VAD23 aluminum alloys. I.N.Fridliander and others. Alium.splavy no.3:194-200 '64.

ALUMINUM FOUNDING

Producing reinforced aluminum castings. V.A.Budnevich. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst. nauch.i tekh.inform. 17 no.5:25-26 My '64.

ALUMINUM HYDRIDES

Obtaining aldehydes in the reduction of carboxylic acid esters with aluminum hydride. L.I.Zakharkin, V.V. Gavrilenko, D.N.Maslin. Izv.AN SSSR.Ser.khim. no.5:926-928 My '64.

ALUMINUM HYDROXIDE

Some problems in the decomposition of aluminate solutions and the separation of aluminum hydroxide for seeding. I.K.Skobeev. Nauch.trudy IPI no.19:155-183 '63.

ALUMINUM INGOTS

Accumulation of segregates in AMts alloy ingots. V.K. Zinov'ev. Alium.splavy no.3:383-389 '64.

Causes of the appearance of hot cracks during the continuous casting of highly resistant alloy ingots. E.D. Zakharov and others. Alium.splavy no.3:349-362 '64.

Changes of crystallization conditions during the continuous casting of ingots. E.D.Zakharov. Alium.splavy no.3: 339-348 '64.

Quality of flat commercial aluminum ingots cast from molten electrolytic baths. V.I.Kulakov and others. Alium.splavy no.3:390-396 '64.

ALUMINUM INGOTS—TESTING

Properties of ingots from the B92 alloy. M.M.Rutman and others. Alium.splavy no.3:105-119 '64.

Technology of production and the properties of semifinished products from the highly resistant B92 alloy. V.D.Zhukov and others. Alium.splavy no.3:92-104 '64.

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM-MAGNESIUM ALLOYS—METALLURGY

Effect of beryllium additions on the properties of ductile alloys in the system Al - Mg with 9 o/o Mg. V.A. Livanov, V.I.Elagin, V.R.Shteininger. Alium.splavy no.3:46-50 '64.

ALUMINUM-MAGNESIUM ALLOYS—TESTING

Mechanical properties and the forgeability of alloys of the system aluminum - magnesium. IU.P.Davydov, G.V.Pokrovskii, N.B.Kondrat'eva. Alium.splavy no.3:285-299 '64.

ALUMINUM-MAGNESIUM ALLOYS—THERMAL PROPERTIES

Developing and investigating the heat-resistant forging D21 aluminum alloy. O.A.Romanova, I.N.Fridliander. Alium.splavy no.3:175-181 '64.

ALUMINUM-MAGNESIUM ALLOYS—WELDING

Properties of welded joints in the AMg6 aluminum alloy. IU.P.Arbuzov. Alium.splavy no.3:313-325 '64.

ALUMINUM-MAGNESIUM-SILICON ALLOYS—TESTING

Effect of technological factors on the appearance of a macrocrystalline rim in alloys of the system Al - Mg - Si. E.I.Kutaitseva, S.L.Zhukov, I.V.Butusova. Alium.splavy no.3:27-35 '64.

Investigating the properties of alloys in the system Al - Mg - Si. N.M.Edel'man, I.N.Fridliander, Z.I. Starostina. Alium.splavy no.3:5-26 '64.

ALUMINUM-NICKEL ALLOYS

Effect of alloying on the hardness of a NiAl compound and its solid solutions. L.A.Kucherenko, V.A.Troshkina, K.G.Khomiakov. Vest.Mosk.un.Ser.2: Khim. 19 no.1:53-55 Ja-F '64.

ALUMINUM ORGANIC COMPOUNDS

Polymers with inorganic principal molecule chains. Synthesis of polyorganophosphoralumoxanes. A.A. Zhdanov and others. Vysokom.soed. 6 no.5:[illegible] My '64.

ALUMINUM OXIDE

Alumina recovery from low-grade bauxites. I.K. Skobeev. Nauch.trudy IPI no.19:210-[illegible] '63.

Investigating the treatment and processing of disthene and disthene-chloritoid shales of the Lake Baikal region for the recovery of alumina. I.K.Skobeev, N.V.P[illegible]paev. Nauch.trudy IPI no.19:201-217 '63.

Isotherms of solubility of aluminum oxide in the system Na_2O - CaO - Al_2O_3 - SiO_2 - H_2O. V.S.Sazhin and others. Ukr.khim.zhur. 30 no.1:3-8 '64.

Multistage washing of pulps. I.K.Skobeev. Nauch. trudy IPI no.19:5-74 '63.

Phase equilibria in the system lanthanum oxide - aluminum oxide. I.A.Bondar', N.V.Vinogradova. Izv.AN SSSR.Ser.khim. no.5:785-790 My '64.

Processing of aluminum silicates for alumina by the ammonium sulfate method. I.K.Skobeev. Nauch. trudy IPI no.19:229-234 '63.

Size of steel thickener tanks for the thickening and washing of pulps in the production of alumina. I.K.Skobeev. Nauch.trudy IPI no.19:136-154 '63.

Some problems in the decomposition of aluminate solutions and the separation of aluminum hydroxide for seeding. I.K.Skobeev. Nauch.trudy IPI no.19:155-183 '63.

Surface properties of catalytically active aluminum oxide. M.M.Egorov and others. Zhur.fiz.khim. 36 no.9: 1882-1889 S '62.

Symposium on bauxites, oxides and hydro-oxides of aluminum. G.I.Bushinskii. Vest.AN SSSR 34 no.5: 127-129 My '64.

Thickening of pulps in an upward flow with a suspended filter. V.I.Nazarov, I.K.Skobeev. Nauch.trudy IPI no.19:103-120 '63.

Use and calculation of filter thickeners for the thickening and washing of pulps in the production of alumina. I.K. Skobeev. Nauch.trudy IPI no.19:75-102 '63.

Use of coagulating agents in the thickening of red (Bayer) muds. I.K.Skobeev. Nauch.trudy IPI no.19:121-[illegible] '63.

ALUMINUM OXIDE CRYSTALS—GROWTH

Production of Al_2O_3 whiskers. V.S.Papkov, G.V. Berezhkova. Kristallografiia 9 no.3:442-444 My-Je '64.

ALUMINUM PLANTS—ELECTRIC EQUIPMENT

Two-step installation of a converter substation with mercury-arc rectifiers. A.D.Brazhenko, K.I.Delaskin, V.M.Gancho. Prom.energ. 19 no.5:30-33 My '64.

ALUMINUM SALTS

Effect of organic substances on the stability of aluminum salts. M.Kh.Kirakos'iants, I.P.Strakhov. Izv.vys. ucheb.zav.; tekh.leg.prom. no.2:96-100 '64.

ALUMINUM SILICATES

Selective flotation of aluminum silicate minerals. N.I. Nikol'skaia, I.K.Skobeev. Nauch.trudy IPI no.19:184-200 '63.

ALUMINUM-TIN ALLOYS—METALLOGRAPHY

Manufacture of bimetal strips with aluminum-tin alloys. K.M.Rakov. Trudy TSNII MPS no.277:72-81 '64.

ALUMINUM-ZINC-MAGNESIUM ALLOYS—HEAT TREATMENT

Effect of various conditions of heat treatment on the mechanical properties of the B93 alloy. V.I.Khol'nova and others. Alium.splavy no.3:153-158 '64.

ALUMINUM-ZINC-MAGNESIUM ALLOYS—METALLOGRAPHY

Effect of iron and silicon impurities on the microstructure of the B93 alloy. I.N.Fridliander, V.I.Khol'nova, Z.A.Elagina. Alium.splavy no.3:145-152 '64.

ALUMINUM-ZINC-MAGNESIUM ALLOYS—METALLURGY

Technology of production and the properties of semifinished products from the highly resistant B92 alloy. V.D.Zhukov and others. Alium.splavy no.3:92-104 '64.

ALUMINUM AND MAGNESIUM ALLOYS—TESTING

Effect of [illegible] on the structure and properties of [illegible] Alum. splavy [illegible]

Effect of [illegible] on [illegible] of alloys in the system [illegible] Alum. splavy [illegible]

Investigating [illegible] V.I.[illegible] Alum. splavy [illegible]

Properties of [illegible] and others. Alum. splavy [illegible]

Regularities of [illegible] properties [illegible] splavy [illegible]

ALUMINUM AND MAGNESIUM ALLOYS—WELDING

Properties of [illegible]

Welding [illegible] alloys [illegible]

ALUSHTA (CRIMEA)—DIVING, SUBMARINE

[illegible]

ALTAMAY REGION [illegible] ALTAI

[illegible]

ALTAMAY REGION [illegible] HOST ANIMALS

[illegible]

ALTAMAY REGION [illegible] CARRIERS OF [illegible]

[illegible]

AMALGAMS

[illegible]

AMAYRUN BAY [illegible]

[illegible]

[illegible]

AMBARCHIK BAY [illegible]

[illegible]

AMERICA [illegible]

[illegible] Modern history of the West [illegible] America, 1918-1939 [illegible]

AMERICAN LITERATURE [illegible]

[illegible]

AMIDES

[illegible]

[illegible]

AMINATION

Study of the [illegible] activity and the reaction of [illegible]

AMINES

Comparison and separation of [illegible]

Derivatives of [illegible]

Diphenylamine glycols. [illegible]

Effect of [illegible] on the kinetics of [illegible] ammonia catalysts, [illegible]

[illegible]

[illegible] Valter, G.N. [illegible]

Properties of [illegible]

[illegible]

[illegible]

AMMONIA—[illegible]

[illegible]

AMMONIA [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Mir[illegible] food products with [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

AMMINES

[illegible] of the [illegible] Formation of high [illegible]

AMMONIA

Characteristics of the [illegible] ammonia [illegible] in the [illegible]

Dynamic characteristics and automatic control of ammonia for [illegible] synthesis, [illegible]

[illegible] of a [illegible] and catalyst in ammonia synthesis. [illegible]

Production of synthetic ammonia from oil shales in the Estonian S.S.R. A.I.Savtenkov. Trudy [illegible] no.16: 7-19 '63.

Pumping over ammonia water. [illegible]

Selection of raw materials for the production of catalysts for ammonia synthesis. [illegible] and others. Khim.prom. no.10:730-[illegible] '63.

AMMONIA AS FERTILIZER

Economic effectiveness of the production and use of ammonium chloride as fertilizer. [illegible] Zhelezn[illegible] Khimiya sel'. khoz. [illegible]

AMMONIA IN THE BODY

Ammonia formation in brain tissues as affected by pharmacological agents. [illegible] Trudy Inst.fiziol. AN Gruz.SSR [illegible]

Effect of [illegible] on ammonia formation in brain preparations. [illegible] Trudy Inst.fiziol. AN Gruz.SSR [illegible]

AMMONIUM CARBONATES

[illegible] to supply the deficiency of protein in rations for [illegible] Khimiya sel'. khoz. [illegible]

[illegible]

AMMONIUM CARBONATES—PHYSIOLOGICAL EFFECT

[illegible]

AMMONIUM CHLORIDE

[illegible]

AMMONIUM COMPOUNDS

[illegible]

[illegible]

[illegible]

AMMONIUM COMPOUNDS—SPECTRA

Hydrogen bonding in alkyl ammonium salts. Part 1. [illegible] Part 2. [illegible]

AMMONIUM FLUOSULFATE

[illegible]

AMMONIUM FLUORIDE

[illegible]

AMMONIUM NITRATE

[illegible]

AMMONIUM PERCHLORATE

[illegible]

AMMONIUM SULFATE

Processing of aluminum silicates [illegible] by the [illegible] method. [illegible]

AMMONIUM SULFATE CRYSTALS

Phase boundaries and domain structure in ammonium sulfate crystals. [illegible] Kristallografiia 9 no.3:[illegible] My-Je '64.

AMMONIUM TUNGSTATES

Separation of alkaline elements by electrophoresis. Part 1: Separation of rubidium and cesium with ammonium [illegible] Radiokhimiia 6 no.1:[illegible] '64.

AMMOCHORIA see subdivision under Caucasus, Northern

AMMONOLYSIS

Formation of polycyclosilazanes in the ammonolysis of dimethyldichlorosilane. K.A.Andrianov, Ionel Khaiduk, L.M.Khananashvili. Zhur.ob.khim. 34 no.3:912-914 Mr '64.

AMNION

Contractile activity of the uterus in women during labor with a flat amnion. L.I.Lebedeva, I.I.IAkovlev. Akush.i gin. no.1:72-76 '63.

AMNIOTIC FLUID

Amniotic fluid embolism as a cause of labor shock; review of literature. B.M.Kaminskii. Akush.i gin. no.1:79-85 '63.

Evaluation of new simple methods for determining the bursting of waters. N.S.Kiber, V.I.Drach. Akush.i gin. no.1:76-78 '63.

AMPHIBIA

Amphibians and reptiles. I.P.Sosnovskii. Nach.shkola 32 no.6:89-93 Je '64.

AMPHIBIA—EMBRYOLOGY see Embryology—Amphibia

AMPHIBOLITE see subdivision under Dar'yal Gorge

AMPHIPODA see subdivision under Black Sea

AMPLIFIERS (ELECTRONICS)

Low-noise preamplifier for spectrometers equipped with semiconductor transducers. L.D.Soshin, P.N.Tolkach. Prib.i tekh.eksp. 8 no.6:177-178 N-D '63.

Ramm, G.S. [Electronic amplifiers] Elektronnye usiliteli. Moskva, Izd-vo "Sviaz'," 1964. 334 p.

Special features in the operation of a duplex amplifier with a coil loaded cable. V.P.Zhokh, N.M.Naberezhnyi. Avtom.telem.i sviaz' 8 no.2:31-32 F '64.

AMPLIFIERS, ELECTRON-TUBE

Contribution to the theory of the design of tuned electron-tube and transistor amplifiers. N.V.Bobrov. Radiotekhnika 19 no.5:37-48 My '64.

Design of a multistage RC amplifier. G.M.Krylov. Radiotekhnika 19 no.5:49-53 My '64.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMPUTATION

Methods improving the outcome of primary amputations of the limbs. A.Z.Magomedov. Sov.med. 27 no.10:87-90 O '63.

AMU DARYA DELTA REGION—BOTANY

Dynamics of the vegetation in the lands of northern Turkmenia irrigated in ancient times. Ch.Kopekov. Izv.AN Turk.SSR.Ser.biol.nauk no.2:18-23 '64.

AMU DARYA DELTA REGION—IRRIGATION

Dynamics of the vegetation in the lands of northern Turkmenia irrigated in ancient times. Ch.Kopekov. Izv.AN Turk.SSR.Ser.biol.nauk no.2:18-23 '64.

AMUR PROVINCE—BUNTING (BIRDS)

Biology of the reproduction of the bunting Emberiza aureola ornata Schulp. in Amur Province. L.M.Barancheev. Ornitologiia no.6:173-176 '63.

AMUR PROVINCE—FUNGI

Environmental factors influencing the distribution of fungi among plant communities. B.A.Tomilin. Bot.zhur. 49 no.2:230-239 F '64.

AMUR VALLEY—BIRDS

New data on birds in the lower Amur Valley. V.A.Nechaev. Ornitologiia no.6:177-183 '63.

AMUR VALLEY—FROZEN GROUND

Effect of denudation and sedimentation on the dynamics of rocks frozen over a period of many years in the conditions governing the southern boundary of their distribution as revealed by a study of the upper Amur Valley. G.M.Epshtein, V.P.Cherniad'ev. Merzl.issl. no.3:83-90 '63.

AMUR VALLEY—GEOLOGY, STRATIGRAPHIC

Ancient formations in the Amur Valley. IU.A.Khodak, M.V.Chebotarev. Sov.geol. 7 no.1:79-94 Ja '64.

AMVROSIYEVKA REGION (DONETSK PROVINCE)—CEMENT—TESTING

Overall mechanization of the processes of testing cement and rapid method of chemical analyses in the laboratories of the Amvrosiyevka Cement Combine. I.K.Budin, E.A.Zentsel'skaia, A.V.Kniazeva. Sbor.po obm.opyt.v tsem.prom. no.2:87-94 '60.

AMVROSIYEVKA REGION (DONETSK PROVINCE)—CEMENT INDUSTRIES

Results of the Amvrosiyevka Cement Combine in extracting water-retaining raw materials. I.M.Sidochenko, M.S.Zavgorodnii, N.A.Ros'. Sbor.po obm.opyt.v tsem.prom. no.2:67-72 '60.

AMYL ALCOHOL

Effect of strong electrolytes on the extraction of amyl alcohol of a tributylaminocitrate complex of iron. I.V.Piatnitskii, R.S.Kharchenko. Ukr.khim.zhur. 30 no.4:416-418 '64.

AMYLASE

Inhibition of induced amylase synthesis in Aspergillus oryzae by glucose [with summary in English]. A.S.Tikhomirova, A.K.Kulikova. Mikrobiologiia 32 no.4:577-581 Jl-Ag '63.

AMYLENE

Synthesis of sodium isodecyl toluene sulfonate on a base of amylene dimers. L.A.Potolovskii, L.I.Kostikin. Trudy VNII NP no.9:170-176 '63.

ANAEROBIC BACTERIA see Bacteria, Anaerobic

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL GEOMETRY see Geometry, Analytic

ANAPHYLAXIS

Effect of changed functional state of the central nervous system on the rearrangement of the immunogenic reactivity of the body and the course of anaphylactic shock. A.A.Abinder. Zhur.mikrobiol.,epid.i immun. 40 no.10:17-21 O '63.

ANATOMICAL SOCIETIES see subdivision under Yugoslavia

ANATOMY—HANDBOOKS, MANUALS, ETC.

Semenov, S.P., I.G.Urazov, and T.I.Entin. [Manual for practical work in general histology with elements of microscopic anatomy] Posobie k prakticheskim zaniatiiam po obshchei gistologii s elementami mikroskopicheskoi anatomii. [Leningrad] Izd-vo Leningr. univ., 1964. 67 p.

ANATOMY, SURGICAL AND TOPOGRAPHICAL

Anatomic hepatectomy, sectorectomy and segmental resection of the liver. V.S.Shapkin. Khirurgiia 39 no.8:72-79 Ag '63.

Bile ducts in liver segments. V.F.Zabrodskaia. Khirurgiia 39 no.8:46-54 Ag '63.

ANCHOVIES

(see also subdivision under Adriatic Sea; Azov, Sea of; Black Sea)

Form and size of eggs of the anchovy Engraulis encrasicholus L. in various regions of the habitat. T.V.Lugovaia. Trudy SBS 16:359-383 '63.

ANEMIA

Change in water-soluble muscle proteins after removal of a hemostatic tourniquet. A.A.Novikova, E.F.Lukashevich. Vop.med.khim. 9 no.1:16-19 Ja-F '63.

Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia [with summary in English]. V.D.Sidora. Med.rad. 8 no.10:25-31 O '63.

Effect of some radioactive phosphorus doses on hemopoietic processes under normal conditions and in experimental anemia in rabbits. A.S.Nikitina-Skalatskaia. Pratsi Od.un.Zbir.stud.rob. 146 no.4:109-113 '56.

ANEMOMETER

Experience in using a thermoanemometer on an airplane. N.K.Vinnichenko. Trudy TSAO no.54:85-100 '64.

ANEROID BAROMETER

Microbarograph put out by the firm "Askaniia-Verke." F.A.Abramov, V.E.Streimann. Ugol' Ukr. 8 no.1:52 Ja '64.

ANESTHESIA

Anesthesia in extensive extirpation of the uterus due to cancer. B.A.Agaev. Vop.onk. 8 no.9:90-94 '62.

Contemporary Soviet apparatus for inhalation anesthesia and artificial respiration. V.M.IUrevich. Nov.med.tekh. no.5:51-54 '61.

Ganglionic block without hypotension. V.V.Timofeev and others. Sov.med. 27 no.10:25-31 O '63.

Hyperventilation tetany during light anesthesia. N.E.Burov, G.V.Guliaev, N.M.Sadykov. Eksp.khir.i anest. 8 no.5:84-87 S-O '63.

NAPP-60, an intermittent current anesthetic apparatus. L.I.Nemerovskii, R.I.Gorokhovskaia. Nov.med.tekh. no.5:37-50 '61.

Some problems in the use of muscle relaxants in contemporary anesthesiology; questionnaire data. I.S.Zhorov and others. Eksp.khir.i anest. 8 no.5:49-54 S-O '63.

ANESTHESIA—COMPLICATIONS AND SEQUELAE

Effect of anesthesia and surgical trauma on the glycorticoid function of the adrenal cortex and the electrolyte balance (potassium and sodium) in operations on the heart and lungs. V.A.Kovanev, V.B.Lysenko. Khirurgiia 38 no.12:42-49 D '62.

ANESTHESIA IN OBSTETRICS

Comparative evaluation of some methods and agents for anesthesia in labor. V.F.Shmidova. Akush.i gin. no.1:93-99 '63.

ANESTHESIA IN VETERINARY SURGERY

Effect of chloral hydrate anesthesia on the restoration of some blood indices in sheep after blood loss. S.I.Sevast'ianov. Trudy AZVI 12:285-290 '61.

ANGARA RIVER—ICE ON RIVERS, LAKES, ETC.

[Thermal properties of ice on the Angara River] Ledotermika Angary. [By] IA.L.Gotlib i dr. Leningrad, Gidrometeoizdat, 1964. 106 p.

ANGARA VALLEY—PETROLOGY

Main terrigenous and mineral associations in the rocks of the Jurassic coal-bearing formations in the southwestern and central parts of the Angara-Chulym trough. P.P.Timofeev, V.V.Ereneev. Lit.i pol.iskop. no.2:106-126 Mr-Ap '64.

ANGIOCARDIOGRAPHY

Analysis of the collateral circulation developing in coarctation of the aorta in man [with summary in English]. M.N.Anichkov, I.D.Lev. Arkh.anat.gist.i embr. 43 no.10:36-54 O '62.

ANGIOGRAPHY

Materials on contrast X-ray diagnosis of cerebrovascular diseases. M.D.Gal'perin. Trudy Gos.nauch.-issl.psikhonevr.inst. 31:205-209 '63.

Method and technique for transosseous phlebography of the thorax. L.S.Rozenshtraukh, V.T.Apolan. Vest.rent.i rad. 38 no.6:27-33 N-D '63.

Methodology of contrast X-ray study in the diagnosis of tumors of the brain. M.D.Gal'perin, R.N.Fil'. Trudy Gos.nauch.-issl.psikhonevr.inst. 31:177-235 '63.

Methodology of the percutaneous puncture of the common carotid artery in angiography. M.S.Korotkevich. Trudy Gos.nauch.-issl.psikhonevr.inst. 31:169-176 '63.

ANGIOMA

Angioma of the frontal sinus. N.M.Smirnov. Vop.onk. 8 no.12:68-60 '62.

ANGREN REGION (TASHKENT PROVINCE)—WATER SUPPLY

Prospects of organizing the water supply of the Angren-Almalyk industrial region. Izv.AN Uz.SSR.Ser.tekh.nauk 7 no.1:5-8 '63.

ANGREN RIVER VALLEY—WATER SUPPLY

Water balance of the intermontane part of the Angren River valley in the Turk - Akhangaran sector. F.F.Rubinova, B.E.Mil'kis. Izv.AN Uz.SSR.Ser.tekh.nauk 7 no.1:47-56 '63.

ANGULAR MOMENTUM (NUCLEAR PHYSICS)

Complex asymptotic expressions for the amplitudes of inelastic processes, and some singularities in the plane of angular momentum. I.A.Verdiev and others. Zhur.eksp.i teor.fiz. 46 no.5:1700-1714 My '64.

Group properties of the complex angular momentum. V.S.Popov, E.I.Dolinskii. Zhur.eksp.i teor.fiz. 46 no.5:1829-1841 My '64.

ANILINE

New data on hydrogen bonding in o-nitraniline. G.D.Bagratishvili, G.V.TSitsishvili, K.A.Bezhashvili. Zhur.fiz.khim. 36 no.9:2036-2042 S '62.

Properties of the demixing field in the system water - pyridine - aniline. R.V.Mertslin, N.I.Nikurashina. Zhur.ob.khim. 34 no.3:716-719 Mr '64.

Some conversions of methyleneethanolamine acetate and anhydroformaldehydeaniline. K.D.Petrov, G.V.Kriuchkova. Zhur.ob.khim. 34 no.3:907-909 Mr '64.

ANIMAL LOCOMOTION

Hydraulic method of the locomotion of animals. L.A.Zenkevich, V.S.Muravoiskaia. Priroda 53 no.5:89-95 '64.

ANIMAL PRODUCTS see subdivision under Moldavia

ANIMALS, HABITS AND BEHAVIOR OF

Amazing structures. I.Sosnovskii. Doshk.vosp. 36 no.12:84-86 D '63.

Effect of a lesion of the caudate nucleus on the behavioral reactions of a cat. TS.A.Ordzhonikidze. Trudy Inst.fiziol.AN Gruz.SSR 13:113-118 '63.

ANIMALS AS CARRIERS OF DISEASE

Brief news and information. Zool.zhur. 43 no.2:309-317 '64.

Materials on the epidemiology of leptospirosis in the North Ossetian A.S.S.R. IU.G.Chernukha and others. Zhur.mikrobiol.,epid.i immun. 40 no.5:52-55 My '63.

Natural foci of leptospirosis in the North Ossetian A.S.S.R. E.V.Karaseva and others. Zhur.mikrobiol.,epid.i immun. 40 no.6:56-60 My '63.

Natural foci of rabies in Novosibirsk Province. P.D.Shat'ko, A.L.Kornilova, D.K.Ermilov. Zhur.mikrobiol.,epid.i immun. 40 no.6:33-38 Je '63.

ANISOTROPY

Effect of the anisotropy of the g-factor of molecules on the width of electron paramagnetic resonance lines in solutions. A.A.Kokin. Zhur.strukt.khim. 5 no.2: 217-221 Mr-Ap '64.

ANNEALING OF METALS

Bright annealing of wire in continuous shaft furnaces. B.M.Estrin, A.I.Bass. Metalloved.i term.obr.met. no.4:40-42 Ap '64.

Changes in the electric resistance of α-brass in the process of annealing following deformation. IU.F. Kliuchnikov. Trudy Inst.met.i obog.AN Kazakh.SSR 7:70-75 '63.

Investigating the aging process in LS64-2 alloys containing silicon by the microhardness method. A.V.Novikov, A.A.Presniakov, V.V.Chervtakova. Trudy Inst.met.i obog.AN Kazakh.SSR 7:96-100 '63.

Starting and tuning up the central shielding gas station of the "Zaporozhstal'" plant. IA.S.Grodskii, A.A. Zhdanov. Gaz.prom. 7 no.6:24-30 '62.

ANONYMS AND PSEUDONYMS, JAPANESE

Japanese pseudonyms. N.P.Kapul. Krat.soob.Inst. nar.Az. no.72:168-177 '63.

ANOPHELES see subdivision under Syktyvkar region

ANOXEMIA

Kolchinskaia, A.Z. [Anoxia and age] Nedostatok kisloroda i vozrast. Kiev, "Naukova dumka," 1964. 334 p.

ANTARCTIC REGIONS—DIATOMS

Kozlova, O.G. [Diatoms in the Indian and Pacific sectors of the Antarctic] Diatomovye vodorosli Indiiskogo i Tikhookeanskogo sektorov Antarktiki. Moskva, Izd-vo "Nauka," 1964. 167 p.

ANTARTIC REGIONS—RUSSIAN EXPLORATION

Glacial studies of the Fourth Joint Antarctic Expedition in 1959. B.A.Savel'ev. Merzl.issl. no.3:18-36 '63.

Some results of the Seventh Soviet Antarctic Expedition. A.G.Dralkin. Probl.Arkt.i Antarkt. no.16:35-40 '64.

Sovetskaia Antarkticheskaia Ekspeditsiia, 1955- [Transactions of the Soviet Antarctic Expedition. Trudy] Leningrad, Izd-vo "Morskoi transport,"

Vol.8. [Second Continental Expedition, 1956-1958; general description] Vtoraia kontinental'naia ekspeditsiia, 1956-1958 gg., obshchee opisanie. Pod red. A.F.Treshnikova. 1960. 205 p.

ANTHELMINTICS

Testing calcium arsenate and copper carbonate in hymenolepiases of ducks. F.S.Sarymsakov. Uzb.biol. zhur. 7 no.6:40-43 '63.

ANTHOCYANIN

Effect of preplanting irradiation of potato tubers by concentrated white and monochromatic sunlight on the synthesis and composition of anthocyanins, on the growth of green mass and yield. S.A.Stanko. Dokl. AN SSSR 156 no.5:1232-1235 Je '64.

ANTHOMYIIDAE

Biology of the fly Phorbia securis Tiensuu, a wheat pest. G.G.Anosov. Agrobiologiia no.2:303-306 Mr-Ap '64.

ANTHRACITE COAL see subdivision under Donets Basin

ANTHRAQUINONES

Derivatives of anthraquinone. Part 9: Synthesis of fluoro-substituted 2-anthraquinonecarboxylic acid and 2-aminoanthraquinone. N.S.Dokunikhin, B.V.Salov, A.S.Glagoleva. Zhur.ob.khim. 34 no.3:995-998 Mr '64.

Luminescence of monohalo derivatives of anthraquinone in frozen solutions. N.A.Shcheglova, D.N.Shigorin, N.S.Dokunikhin. Zhur.fiz.khim. 36 no.9:1938-1046 S '62.

Studying anthraquinone derivatives isolated from the rhizomes and roots of the dock Rumex alpinus. V.D. Budzyk. Farmatsev.zhur. 14 no.4:58-62 '59.

ANTHRAQUINONECARBOXYLIC ACID

Derivatives of anthraquinone. Part 9: Synthesis of fluoro-substituted 2-anthraquinonecarboxylic acid and 2-aminoanthraquinone. N.S.Dokunikhin, B.V.Salov, A.S.Glagoleva. Zhur.ob.khim. 34 no.3:995-998 Mr '64.

ANTHRAX

(see also subdivision under Caucasus; Saratov Province)

Cases of anthrax in man. A.M.Sorina. Zhur.mikrobiol., epid.i immun. 40 no.5:162-163 My '63.

ANTHRAX—MICROBIOLOGY

Bacteriological diagnosis of anthrax. T.N.Ponomareva. Zhur.mikrobiol.,epid.i immun. 40 no.6:107-112 My '63.

ANTHROPOGEOGRAPHY

Methodological principles of the evaluation of the living conditions of the population in various geographical surroundings. V.V.Pokshishevskii. Izv.AN SSSR.Ser. geog. no.3:89-101 '64.

ANTIAIRCRAFT ARTILLERY

A battery in an attack with the forcing of a river. P.Bystrykh. Voen.vest. 43 no.5:81-83 My '64.

Designation of means of fire. S.Shestakov. Voen.vest. 44 no.6:86-88 Je '64.

Destroying aerial targets on the march. L.Gavrish. Voen.vest. 43 no.5:86-88 My '64.

Lessons from an exercise. V.Limarenko. Voen.vest. 44 no.6:88-90 Je '64.

The sky must be clear! N.Afanas'ev. Voen.znan. 40 no.4:36 Ap '64.

Training in fire control. N.Bylinkin. Voen.vest. 44 no.6:83-86 Je '64.

ANTIBIOSIS

Fungistatic action of Azotobacter chroococcum. V.G. Mar'enko. Dokl.TSKHA no.84:301-306 '63.

Some species of thermophilic actinomycetes from the soils of China and their antibiotic characteristics [with summary in English]. E.S.Kudrina, T.S. Maksimova. Mikrobiologiia 32 no.4:623-631 Jl-Ag '63.

ANTIBIOTICS

Carriers of antibiotic-resistant staphylococci in various categories of the population. Gr.Teodorovici and others. Zhur.mikrobiol.,epid.i immun. 40 no.5:133-137 My '63.

Increase in the sensibility of the organism of calves to mold fungi during the treatment with antibiotics. B.S. Shchetinin. Trudy AZVI 12:542-544 '61.

Methods improving the outcome of primary amputations of the limbs. A.Z.Magomedov. Sov.med. 27 no.10: 87-90 O '63.

New antibiotics in modern medical practice. I.R.M. Piniazhko. Farmatsev.zhur. 15 no.4:3-10 '60.

Prophylactic and therapeutic action of some antibiotics in infectious atrophic rhinitis of swine. V.I.Zubchenkov. Trudy Smol.NIVS no.2:291-298 '62.

Reserve alkalinity and glutathione in the blood of calves as related to the age and zone of raising and their changes during the treatment of suppurative catarrhal bronchopneumonia with antibiotics. Sh.T.Tokbanov. Trudy AZVI 12:488-497 '61.

Restoration of the external respiration in lambs with acute catarrhal and suppurative catarrhal bronchopneumonia under the effect of antibiotic treatment. I.S.Podlinnov. Trudy AZVI 12:498-505 '61.

Results of the treatment of pyodermitis with the determination of the pyococcal sensitivity to antibiotics. S.M.Kriger, A.I.Poliakov. Vest.derm.i ven. 37 no.6: 64-65 Je '63.

Simplified method for determining the sensitivity of microorganisms to antibiotics. R.S.Shershevskaia, T.A.Kovalenko, M.I.Tartakovskaia. Lab.delo no.2: 115-118 '64.

Study of the antiblastic properties of Penicillium Lk. fungi. M.M.Pidoplichko and others. Dop.AN URSR no.5:656-661 '64.

Testing polymeric iodine and antibiotics in summer pneumonias of calves. P.N.Razumovskii. Trudy Smol. NIVS no.2:213-218 '62.

Use of antibiotics combined with chemotherapeutic agents for the treatment of typhoid carriers. V.T.Shugailo. Sov.med. 27 no.10:58-62 O '63.

Use of sulfanilamides combined with antibiotics and the advantage of sulfapyridazine, a sulfanilamide of prolonged action. E.A.Govorovich, A.M.Marshak. Sov. med. 27 no.10:19-25 O '63.

ANTIBIOTICS AS FEED

Studying the effectiveness of the use of compound feed antibiotics in growing young pigs. D.N.Rubtsov. Trudy Smol.NIVS no.2:188-194 '62.

ANTICOAGULANTS (MEDICINE)

Effect of antithrombin VI intravenous introduction on the blood coagulation system in rats. L.V.Molchanova. Vop.med.khim. 9 no.1:33-37 Ja-F '63.

Problem of intramolecular donor-acceptor interaction. L.P.Zalukaev, B.I.Mikhant'ev, E.A.Zalukaeva. Dokl. AN SSSR 156 no.5:1109-1111 Je '64.

ANTICOMMUNIST MOVEMENTS see subdivision under United States

ANTIGENS AND ANTIBODIES

Antibodies to transmissive viruses of Casals' group A and B in some population groups of the U.S.S.R. S.A. Ananian. Zhur.mikrobiol.,epid.i immun. 40 no.10: 126-130 O '63.

Antigenic properties of the blood and tumorous tissue in people with sarcomas. V.N.Kolmykova, A.M.Eroshkina. Vop.onk. 8 no.9:26-29 '62.

Biological and chemical properties of the GKI plague allergen. Report No.1. M.D.Priadkina, V.IU. Gavrilenkova, A.V.Lobanova. Zhur.mikrobiol.,epid. i immun. 40 no.5:72-77 My '63.

Biosynthesis of specific antigen in disrupted cells infected with polio virus RNA. B.S.Diskina, A.A. Kliashko, A.V.Mikheeva. Vop.virus. no.6:679-688 N-D '63.

Characteristics of tumors of connective tissue and muscular origin caused by the intramuscular introduction of 20-methylcholanthrene. Report No.3: Further study of the antigenic properties of rat tumors of muscular origin. V.IA.Fel', T.N.TSikarishvili. Sbor.rat.Inst. tsit. no.7:69-75 '63.

Cytotoxic action of the serum of patients with malignant tumors on HeLa cell cultures [with summary in English]. S.Nicolau, A.Bedenoiu, M.M.Gavrilecu. Vest.derm.i ven. 37 no.6:7-9 Je '63.

Editor's note. Vop.virus. no.6:745 N-D '63.

Experimental study of the immunogenic properties of combined anaerobic toxoids. Report No.5: Immunogenic properties of combined polytoxoid in primary immunization of animals. G.V.Vygodchikov and others. Zhur. mikrobiol.,epid.i immun. 40 no.10:51-58 O '63.

Immunochemical study of antigens of the liquid portion of cholera vaccine. L.M.Pustovalova. Zhur.mikrobiol.,epid.i immun. 40 no.10:136-139 O '63.

Inhibition of antibody production in response to antigens of normal and tumor-bearing rabbit tissues in the organism of rats with developed tolerance. R.M. Radzikhovskaia. Vop.onk. 8 no.11:8-10 '62.

Protective streptococcal antibodies (M-antibodies) in the serum on tonsillitis patients. O.I.Vvedenskaia, G.I. Petrov. Zhur.mikrobiol.,epid.i immun. 40 no.10: 96-101 O '63.

Relation of the immunogenic activity of Rickettsia burneti to its phasic variability. N.I.Fedorova, R.G.Diuisalieva. Zhur.mikrobiol.,epid.i immun. 40 no.6:68-74 Je '63.

Sequence of inclusion of various organs into immunogenesis in acute radiation sickness. M.I.Ravich-Shcherbo, L.G.Prokopenko. Zhur.mikrobiol.,epid. i immun. 40 no.10:5-12 O '63.

Significance of tuberculosis antigens for the serodiagnosis of leprosy. N.M.Ovchinnikov, N.A.Torsuev, L.S. Reznikova. Lab.delo no.2:110-113 '64.

Staining isolated bacterial structures with fluorescent antibodies. I.F.Mikhailov, E.S.Stanislavskii. Zhur. mikrobiol.,epid.i immun. 40 no.6:74-79 Je '63.

Study of the antigenic properties of human tumor fractions deprived of soluble proteins. V.S.Gostev and others. Vop.onk. 8 no.9:18-26 '62.

Study of the antigenic properties of the street virus of rabies. K.A.Vanag. Vop.med.virus. no.6:171-176 '59.

Study of the etiology of Vilyuysk encephalomyelitis. Report No.2: Immunological characteristics of the virus strains isolated from patients. E.S.Sarmanova. Vop.med.virus. no.6:214-216 '59.

Study of the etiology of Vilyuysk encephalomyelitis. Report No.3: Study of the immunological characteristics of the blood in people with Vilyuysk encephalomyelitis. E.S.Sarmanova, G.G.Chumachenko. Vop.med.virus. no.6:216-219 '59.

Therapeutic and prophylactic effect of antirabic serums with a diverse content of anticerebral antibodies. N.I. Kuznetsova, K.A.Vanag. Vop.med.virus. no.6:200-206 '59.

ANTIGENS AND ANTIBODIES—ANALYSIS

Possibility of detecting the virus of laryngotracheitis in fowl by using the double diffusion precipitation in agar reaction. G.A.Lezhava. Soob.AN Gruz.SSR 30 no.3: 325-327 Mr '63.

ANTIHISTAMINES

Use of diazoline in pruritic dermatoses. I.K.Skripkin. Vest.derm.i ven. 37 no.9:85-86 S '63.

ANTIHYPERTENSIVE AGENTS

Soviet drugs of short-term action for controlled hypotension [with summary in English]. A.D.Panashchenko. Eksp.khir.i anest. 8 no.5:75-78 S-O '63.

ANTIMONIC ACID

Chemical nature of compounds of crystal violet with hexachloroantimonic acid. I.A.Shevchuk. Ukr.khim.zhur. 30 no.4:415-416 '64.

ANTIMONY

Anisotropy of the photomechanical effect in antimony and indium antimonide. V.N.Lange, T.I.Lange. Fiz.tver. tela 6 no.4:1220-1222 Ap '64.

Thermal conductivity, density and microhardness of selenium as influenced by antimony admixtures. D.Sh.Abdinov, G.B.Abdullaev, G.M.Aliev. Dokl. AN Azerb.SSR 20 no.2:27-31 '64.

ANTIMONY—ABSORPTION SPECTRA

L_{III}-absorption spectra of antimony and K-absorption spectra of phosphorus in $A^{III}B^{V}$ type binary semiconducting compounds. A.N.Gusatinskii, S.A.Nemnonov. Izv.AN SSSR.Ser.fiz. 28 no.5:922-933 My '64.

ANTIMONY—SPECTRA

$L\beta 2,15$-emission spectra of cadmium and antimony in certain semiconducting compounds. E.P.Domashevskaia, IA.A.Ugai. Izv.AN SSSR.Ser.fiz. 28 no.5: 853-856 My '64.

ANTIMONY-CADMIUM ALLOYS see Cadmium-antimony alloys

ANTIMONY COMPOUNDS

Chemical changes in the composition of phenyl derivatives of pentavalent antimony during β-decay of Sb^{125}. V.D. Nefedov, I.S.Kirin, V.M.Zaitsev. Radiokhimiia 6 no.1:78-85 '64.

ANTIMONY ISOTOPES

Radiochemical determination of antimony-125 in solids. S.V.Iokhel'son, D.K.Popov. Radiokhimiia 6 no.1: 117-119 '64.

ANTIMONY ISOTOPES—DECAY

Chemical changes in the composition of phenyl derivatives of pentavalent antimony during β-decay of Sb^{125}. V.D. Nefedov, I.S.Kirin, V.M.Zaitsev. Radiokhimiia 6 no.1:78-85 '64.

Utilization of the chemical effect of Sb^{125} β-decay for the synthesis of tri-α-naphthyltelluronic derivatives. V.D. Nefedov, I.S.Kirin, V.M.Zaitsev. Radiokhimiia 6 no.1:123-124 '64.

ANTIMONY ORGANIC COMPOUNDS

Reactivity of $ArPbX_3$ compounds. Reaction with (C_6H_5) Sb. V.I.Lodochnikova, E.M.Panov, K.A.Kocheshkov. Zhur.ob.khim. 34 no.3:946-949 Mr '64.

ANTIMONY TARTRATE

X-ray diffraction examination of active (d-) and racemic (d, l-) Sb-tartrates. G.A.Kiosse, N.I.Golovastikov, N.V.Belov. Kristallografiia 9 no.3:402-403 My-Je '64.

ANTINEOPLASTIC AGENTS

Chernov, V.A. [Cytostatic substances in the chemotherapy of malignant neoplasms] TSitostaticheskie veshchestva v khimioterapii zlokachestvennykh novoobrazovanii. Moskva, Meditsina, 1964. 318 p.
(DNLM)

On the antineoplastic action of sarcolysyl-alanyl-leucine tripeptide. Pan'TSi-tsao [P'an Ch'i-ts'ao] Vop.onk. 8 no.12:57-59 '62.

Study on the antineoplastic activity of some amides of chloroethylamine derivatives of aromatic fatty acids containing "residues" of syntomycin, aminoquinoline and anesthesine. E.I.Khomchenovskii. Vop.onk. 8 no.12:60-67 '62.

ANTIOXIDANTS

Mutual strengthening (synergism) of antioxidants. Part 4: Increased effectiveness in mixtures containing esters of pyrocatecholphosphorous acid. P.I.Levin, T.A. Bulgakova. Vysokom.soed. 6 no.4:700-705 Ap '64.

ANTIPYRINE

Color reaction of 4-aminoantipyrine with medicinal preparations. M.P.IAvors'kyi. Farmatsev.zhur. 16 no.4:31-35 '61.

Complex formation in the system tellurium (IV) - diantipyrylmethane - bromide. A.T.Pilipenko, A.I. Kapustian. Ukr.khim.zhur. 30 no.1:9-12 '64.

ANTIQUITIES, SLAVIC see Slavic antiquities

ANTIRETICULAR CYTOTOXIC SERUM

Materials on the mechanism of the action of antirecticular cytotoxic serum (ACS). S.I.Sevast'ianov. Trudy AZVI 12:265-284 '61.

Results of research work on the increase of the resistance of the organism of farm animals and their productivity by the use of biogenic stimulators. P.A.Karasev. Trudy AZVI 12:252-258 '61.

Results of the use of biogenic stimulators in animal husbandry. P.A.Karasev. Trudy AZVI 12:259-264 '61.

ANTISEPTICS

Effect of some antiseptic substances on the ascitic Ehrlich's tumor. S.A.Papoian, V.A.Kumkumadzhian, L.S.Gervorkian. Vop.radiobiol.[AN Arm.SSR] 3/4: 293-299 '63.

ANTISPASMODICS

New thiohydantoin derivatives with antispasmodic action. A.IA.Havryliuk, V.H.Zapadniuk. Farmatsev.zhur. 14 no.3:24-28 '59.

ANTITUBERCULAR AGENTS

Experimental study of the antitubercular activity of thiazolidine derivatives. S.M.Kapustiak. Farmatsev. zhur. 14 no.3:6-13 '59.

ANTS

An interesting book on the biology of ants. A.Sysoev, I.Pan'shin. Vest.sel'khoz.nauki 9 no.5:115 My '64.

"Superorganismic" form of life; "Ants" by I.Khalifman. Reviewed by D.V.Panfilov. Priroda 53 no.6:122-123 '64.

ANUS—ABNORMITIES AND DEFORMITIES

Recovery of a patient after prolapse of the anus and the uterus. D.V.Mysh. Khirurgiia 38 no.12:105-106 D '62.

AORTA—DISEASES

Analysis of the collateral circulation developing in coarctation of the aorta in man [with summary in English]. M.N.Anichkov, I.D.Lev. Arkh.anat.gist.i embr. 43 no.10:36-54 O '62.

APARTMENT HOUSES
(see also subdivision under Moscow)

Gerbert, A.A., and G.I.Evorenko. [Apartment houses made of new materials; make extensive use of perlite and keramzit in building] Doma iz novykh materialov; perlity i keramzity - shirokuiu dorogu na stroiki. Chita, Chitinskoe knizhnoe izd-vo, 1963. 70 p.

Improving the quality of civil building and architecture. Arkhit.SSSR no.5:3-4 '64.

Kurdiukov, G.V., and V.I.Kuznetsov. [Large-panel apartment houses] Doma iz krupnykh panelei. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 101 p.

Some problems in the aesthetics of large-panel apartment houses. L.Lopovok. Arkhit.SSSR no.5:9-14 '64.

Ways of reducing the cost and improving the quality of housing. L.Gel'bert, G.Fedorov. Arkhit.SSSR no.5: 5-8 '64.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION

It is possible to make significant improvements in the planning of apartments. N.I.IAkker. Stroi.i arkhit. Len. 26 no.3:12-13 Mr '64.

New specifications for the designs of apartment houses. E.Rudovskii. Stroi.i arkhit.Mosk. 13 no.5:10 My '64.

APARTMENT HOUSES—HEATING AND VENTILATION

Peker, IA.D. [Improving the microclimate of apartment houses and public buildings] Uluchshenie mikroklimata zhilykh i obshchestvennykh zdanii. Kiev, Gosstroiizdat USSR, 1964. 96 p.

APARTMENT HOUSES, COOPERATIVE see subdivision under Moscow

APATITE

Accessory apatite from an iron ore deposit. E.Kh. Gul'ian. Izv.AN Arm.SSR.Nauki o zem. 17 no.1:3-9 '64.

Crystal structure of strontium apatite. R.F.Klevtsova. Zhur.strukt.khim. 5 no.2:318-320 Mr-Ap '64.

Development of breaking methods in mines of the "Apatit" Combine. I.D.Litvinov and others. Gor.zhur. no.11:3-7 N '63.

Technical and economic evaluation of thermal methods for the production of feed calcium phosphates. V.I. Hladushko. Khim.prom.[Ukr.] no.4:55-58 O-D '63.

APATITE CRYSTALS

Electron paramagnetic resonance of Mn^{2+} in apatite. V.M.Vinokurov, M.M.Zaripov, V.G.Stepanov. Fiz. tver.tela 6 no.4:1125-1129 Ap '64.

APHASIA

Review of M.Vargha and G.Gereb's book "Treatment of aphasia." I.Bogolepova. Zhur.nevr.i psikh. 63 no.6: 944 '63.

APOPLEXY

Relationship between the arterial and cerebrospinal fluid pressures in insultus. V.K.Kamenetskii. Zhur.nevr.i psikh. 63 no.6:862-866 '63.

APPENDECTOMY

Significance of X-raying following appendectomy. A.M. Erukhimovich. Vest.rent.i rad. 38 no.6:48-52 N-D '63.

APPLE

Effect of the thermal factor on various phases in the development of the apple tree. O.S.Karandasova. Izv.AN Turk.SSR.Ser.biol.nauk no.2:70-71 '64.

Possibility of extrastomatal photosynthesis in an apple tree. B.L.Dorokhov. Dokl.AN SSSR 156 no.4:954-956 Je '64.

Soil cultivation in fruit-bearing orchards in the non-Chernozem belt. V.I.Kotov. Vest.sel'khoz.nauki 9 no.2:77-80 F '64.

APPLE—DISEASES AND PESTS
(see also subdivision under Moldavia; Stavropol Territory; Tajikistan)

Wasps as apple pests. L.Z.Zakharov. Zashch.rast.ot vred.i bol. 8 no.10:42 O '63.

APPLE—PRESERVATION

Apple storage at temperatures below 0° C. A.I.Kochurova. Kons.i ov.prom. 19 no.4:28-31 Ap '64.

APPLE—VARIETIES

Frost resistance of Antonovka variations [with summaries in English, German, and French]. V.M.Kolontaev. Vest.sel'khoz.nauki 8 no.9:122-124 S '63.

Some physiological and biochemical characteristics of the genetically related varieties of apple with various frost resistance. S.I.Isaev and others. Vest.Mosk. un.Ser.6: Biol.,pochv. 17 no.6:40-47 N-D '62.

APPLE BREEDING

Effect of quantitative correlation of the components mixed pollen on the pollination selectivity. A.S. tarintsev, V.I.Kozlov. Agrobiologiia no.2:300 '64.

APPLE PRODUCTS—COOLING

Cooling of molded apple butter after drying. I.A. Chubik. Khleb.i kond.prom. 7 no.12:30-31 D

APPROXIMATE COMPUTATION

Estimated approximations by quadrature formulas certain classes of functions. M.B.Aksen'. Zhur. vych.mat.i mat.fiz. 4 no.3:554-559 My-Je '6

Estimation of the error incurred in solving the Poi equation by various methods. S.Kariauberdiev. AN Uz.SSR.Ser.fiz.-mat.nauk 7 no.6:7-13 '63.

Random quadrature formulas of high precision. Ermakov. Zhur.vych.mat.i mat.fiz. 4 no.3:55 554 My-Je '64.

APSHERON PENINSULA—GAS, NATURAL—GEOLO

Mechanism of the migration and distribution of oil gas in the Middle Pliocene of the Apsheron Penins V.A.Gorin, F.G.Dzhabarly. Dokl.AN Azerb.SSR no.10:39-43 '63.

APSHERON PENINSULA—MULBERRY—FERTILIZE AND MANURES

Effect of saturation irrigation and mineral nutrition photosynthesis and the movement of assimilates in mulberry under the arid conditions of the Apsheron Peninsula. B.Z.Guseinov, Sh.G.Nadzhafov. Izv. Azerb.SSR.Ser.biol.i med.nauk no.2:3-8 '62.

APSHERON PENINSULA—MULBERRY—IRRIGATION

Effect of saturation irrigation and mineral nutrition photosynthesis and the movement of assimilates in mulberry under the arid conditions of the Apsheron Peninsula. B.Z.Guseinov, Sh.G.Nadzhafov. Izv. Azerb.SSR.Ser.biol.i med.nauk no.2:3-8 '62.

APSHERON PENINSULA—PETROLEUM GEOLOGY

Mechanism of the migration and distribution of oil a gas in the Middle Pliocene of the Apsheron Peninsu V.A.Gorin, F.G.Dzhabarly. Dokl.AN Azerb.SSR no.10:39-43 '63.

Relation between the change in the physicochemical pr erties of waters and petroleums and the depth of occ rence in the Sub-Kirmaki series. E.F.Korkhova, vys.ucheb.zav.; neft' i gaz 6 no.8:14 '63.

Transformation of the oil and gas pools of the Apsher Peninsula in connection with its geotectonic develop ment. A.G.Durmish'ian, G.P.Tamrazian. Geol. nefti i gaza 8 no.3:41-46 Mr '64.

AQUATIC SPORTS see subdivision under Kiev

AQUATIC WEED CONTROL

Efficient measures for controlling the overgrowth of cooling reservoirs. B.A.Shlomnskii. Trudy Gidro-biol.ob-va 14:74-114 '63.

Monuron and simazine as algicides used against filame ous algae. L.P.Braginskii and others. Trudy Gidro biol.ob-va 14:82-88 '63.

AQUATIC WEEDS see subdivision under Ukraine

ARAB COUNTRIES—GUIDEBOOKS

Akademiia nauk SSSR. Institut narodov Azii. [Countrie of Arabia; a reference book] Strany Aravii; spravochi Moskva, Izd-vo "Nauka," 1964. 305 p.

ARABIAN PLATFORM—GEOLOGY, STRUCTURAL

Tectonics of the northern part of the Arabian Platform. V.P.Ponikarov and others. Sov.geol. 7 no.6:39-4 Je '64.

ARABIC LANGUAGE—CONSONANTS

Consonantal changes in the Tripoli (Lebanon) dialect of Arabic. V.G.Akhvlediani. Krat.soob.Inst.nar. Az. no.72:9-12 '63.

ARABIC LANGUAGE—DIALECTS see subdivision under Egypt; Iraq; Lebanon; Syria

ARABIC LANGUAGE—DICTIONARIES

Methods for compiling Arabic dictionaries. G.G. Zarinezade. Krat.soob.Inst.nar.Az. no.72:200-205 '63.

ARABIC LANGUAGE—FOREIGN ELEMENTS

Borrowed meanings in modern Arabic terminology. M.E.Nedospasova. Krat.soob.Inst.nar.Az. no.72: 60-64 '63.

ARABIC LANGUAGE—GRAMMAR

On the Arabic "construct state" governing the meaning of a sentence. V.E.Shagal'. Krat.soob.Inst.nar.Az. no.72:46-53 '63.

ARABIC LANGUAGE—NOUN

Formation of nouns in the Iraqi dialect of Arabic. A.G. Belova. Krat.soob.Inst.nar.Az. no.72:13-25 '63.

ARABIC LANGUAGE—STYLE
Dialectal elements and [illegible] in the language of Mahmud [illegible]. [illegible] Kratkie soob. Inst. nar. Az. [illegible]

ARABIC LANGUAGE—TERMS AND PHRASES
[illegible] expressions in modern literary Arabic. [illegible] Kratkie soob. Inst. nar. Az. [illegible]

ARABIC LANGUAGE—VERB
Analytic forms of the Arabic verb. [illegible] Kratkie soob. Inst. nar. Az. [illegible]

ARAGATS, MOUNT—ROCKS, IGNEOUS
Paffengol'ts, K.N., and [illegible] Ter-Mesropian. [Aragats, geological outline of the Aragats volcanic massif] Aragats, geologicheskii ocherk Aragatskogo vulkanicheskogo massiva. Erevan, Izd-vo Akad. nauk Armian. SSR, 1964. 70 p.

ARAL SEA—[illegible]
Spawning grounds of [illegible]

ARAL SEA—ZOOPLANKTON
[illegible]

ARAL SEA REGION—GEOLOGY, STRATIGRAPHIC
[illegible]

ARAMAIC LANGUAGE—[illegible]
Origin of the [illegible] language. [illegible]

ARARAT PLAIN—ALGAE
[illegible]

ARARAT PLAIN—[illegible]
[illegible]

ARARAT PLAIN—[illegible]
[illegible]

ARBITRATION AND AWARD
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ARCHAEOLOGICAL [illegible] see [illegible]

ARCHANGEL [illegible] see subdivision under [illegible]

ARCHANGEL [illegible] see subdivision under [illegible]

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHANGEL—[illegible]
[illegible]

ARCHANGEL PROVINCE—DRAINAGE
[illegible]

ARCHANGEL PROVINCE—RECLAMATION OF LAND
[illegible]

ARCHANGEL PROVINCE—TULAREMIA
Some data on tularemia in Archangel Province. [illegible]

ARCHITECTURE
(see also subdivision under India; [illegible]; Tobol'sk)
[illegible] the history of Russian Architecture. [illegible]

ARCHITECTURE—ABSTRACTS
[Journal of abstracts: Construction and architecture] Referativnyi zhurnal. [illegible] 6 no.3 '64.

ARCHITECTURE—DESIGNS AND PLANS see subdivision under Ukraine

ARCHIVES
[illegible] archival collections to state depositories of the [illegible] societies. [illegible] Vopr. ist. [illegible] no.6:144-146 Je '64.

ARCTIC REGIONS—ATMOSPHERE
[illegible] processes in the Arctic Regions in [illegible] circulation [illegible] Trudy AANII [illegible]

ARCTIC REGIONS—CYCLONES
[illegible] in the Arctic Basin. [illegible] Trudy AANII 255:129-142 '63.

[illegible] in the Arctic Regions. [illegible] Trudy AANII [illegible]

ARCTIC REGIONS—HYDROMETEOROLOGY
[illegible] in the Arctic seas. [illegible] Trudy AANII [illegible]

ARCTIC REGIONS—ICE
[illegible] Trudy AANII [illegible]

ARCTIC REGIONS—MAGNETISM, TERRESTRIAL
[illegible]

ARCTIC REGIONS—OCEANOGRAPHY
[illegible] Arctic Basin. [illegible] Trudy AANII [illegible]

[illegible] Trudy AANII [illegible]

ARCTIC REGIONS—OCEAN TEMPERATURE
[illegible] Trudy AANII [illegible]

ARCTIC REGIONS—OCEANOGRAPHIC INSTRUMENTS
[illegible]

ARCTIC REGIONS—[illegible]
[illegible]

ARCTIC REGIONS—RUSSIAN EXPLORATION
[illegible] [Traversing the secrets of the central Arctic] [illegible] Leningrad, [illegible] 1964. [illegible] p.

Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. [Materials on the observations of scientific drifting stations "North Pole 8" and "North Pole 9," 1959-1960] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-8" i "Severnyi polius-9," 1959-1960 g. Moskva, Izd-vo "Transport," 1964. [illegible] p. (Its Trudy, vol. 260)

ARCTIC REGIONS—SALINITY
Use of the [illegible] in determining the water salinity in the Arctic seas. [illegible] Trudy AANII [illegible]

ARCTIC REGIONS—TIDES
[illegible], and currents of ice. [illegible] Trudy AANII [illegible]

ARCTIC REGIONS—WEATHER FORECASTING
[illegible] the methodology, the [illegible], and criteria for evaluating the accuracy of forecasts of meteorological elements for 1-10 days in the Arctic. [illegible] Trudy AANII [illegible]

Characteristics of synoptic processes in the periods [illegible] in the western part of the Arctic Regions. [illegible] Trudy AANII [illegible] '63.

Characteristics of the atmospheric processes and weather regimes of the Arctic Regions in the period of [illegible] circulation depending on the preceding development of the [illegible]. [illegible] Trudy AANII [illegible] '63.

[illegible] in the Arctic Basin and their relationship with the types of synoptic processes. [illegible] and others. Trudy AANII [illegible] '63.

ARCTIC REGIONS—WINDS
Conditions governing the formation of heavy wind in the Arctic Regions. I.A. Dydina. Trudy AANII 255:[illegible] '63.

Increase of wind in some regions of the Arctic Basin. A.A. Dmitriev. Trudy AANII 255:[illegible] '63.

ARFVEDSONITE
Synthetic fibrous fluor[illegible] arfvedsonite. A.D. Fedoseev, G.G. Chigareva. Dokl. AN SSSR 156 no.5: [illegible] Je '64.

ARGENTINA—POLITICS AND GOVERNMENT
There are new battles ahead! R. Iscaro. Sov. profsoiuzy 20 no.9:[illegible] My '64.

ARGENTINA—TRADE UNIONS
There are new battles ahead! R. Iscaro. Sov. profsoiuzy 20 no.9:[illegible] My '64.

ARGINASE
Arginase activity of the mucous membranes of the gastrointestinal tract wall in fetal and adult cattle. [illegible] Dop. AN URSR no.[illegible] '64.

ARGON
Heat transfer in a turbulent flow of argon inside a tube at high temperature heads and high wall temperatures. [illegible] Teplofiz. vys. temp. 2 no.2:[illegible] Mr-Ap '64.

Speed of sound in liquid and gaseous argon. [illegible] PMTF no.[illegible] Mr-Je '64.

ARITHMETIC—STUDY AND TEACHING
Simultaneous study of reciprocal operations. [illegible] Nach. shkola [illegible] My '64.

Unused possibilities in the teaching of arithmetic. [illegible] Nach. shkola [illegible] My '64.

ARLAN OIL FIELD—PETROLEUM GEOLOGY
Conditions governing the formation of oil pools in the Arlan oil field. [illegible] Geol. nefti i gaza 8 no.[illegible] Mr '64.

ARMAMENTS—BIBLIOGRAPHY see Bibliography—Armaments

ARMAVIR REGION—PALEOBOTANY, STRATIGRAPHIC
[illegible] flora of Armavir. [illegible] Trudy [illegible] '64.

ARMED FORCES see subdivision under Russia

ARMENIA—ADMINISTRATIVE ECONOMIC COUNCILS
[illegible]

ARMENIA—ARSENIC
Some typical mineral associations of copper-arsenic and arsenic ores in the Armenian S.S.R. [illegible] Mr-Ap '64.

ARMENIA—ASCOCHYTA
Some problems of the biology and dynamics of gram blight caused by Ascochyta Rabiei in the Armenian S.S.R. [illegible] Izv. AN Arm. SSR. Biol. nauki [illegible] My '64.

ARMENIA—AZOTOBACTER
New variations of Azotobacter agile from soils of the Armenian S.S.R. [illegible] Izv. AN Arm. SSR. Biol. nauki 17 no.4:[illegible] Ap '64.

ARMENIA—BUILDING MATERIALS INDUSTRY
[illegible]

ARMENIA—CATTLE BREEDING
Effect of [illegible] on the biological and economic characteristics of brown Caucasian cattle. [illegible] Izv. AN Arm. SSR. Biol. nauki 17 no.4:[illegible] Ap '64.

ARMENIA—CESTODA
Biology of Raillietina (Skrjabinia) cesticillus [illegible], 1858 (Cestoda), an intestinal parasite of chickens. [illegible] Izv. AN Arm. SSR. Biol. nauki 17 no.4:[illegible] Ap '64.

ARMENIA—CHEMICAL INDUSTRY
After the plenum. Prom. Arm. 7 no.2:[illegible] F '64.

Toward new boundaries. [illegible] Prom. Arm. 7 no.2:[illegible] F '64.

ARMENIA—CHICK-PEA—DISEASES AND PESTS
Some problems of the biology and dynamics of gram blight caused by Ascochyta Rabiei in the Armenian S.S.R. [illegible] Izv. AN Arm. SSR. Biol. nauki 17 no.5:[illegible] My '64.

ARMENIA—COPPER ORES
Some typical mineral associations of copper-arsenic and arsenic ores in the Armenian S.S.R. [illegible] Geol. rud. mestorozh. [illegible] Mr-Ap '64.

ARMENIA—ECONOMIC CONDITIONS

Results of the fifth year of the seven-year plan and the objectives for 1964-1965. L. Khachatrian. Prom. Arm. 7 no. 2:3-5 F '64.

ARMENIA—ECONOMIC POLICY

Results of the fifth year of the seven-year plan and the objectives for 1964-1965. L. Khachatrian. Prom. Arm. 7 no. 2:3-5 F '64.

ARMENIA—GASTROPODA

Is Euomphalia arpatschaiana (Mousson, 1873) an independent species? N. N. Akramovskii, Dzh. M. Azarian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:69-75 Ap '64.

ARMENIA—GLASS MANUFACTURE

Conference on the prospects for the development of a glass industry in Armenia. A. Gukas'ian. Prom. Arm. 7 no. 2:66-67 F '64.

ARMENIA—ICELAND SPAR

Iceland spar deposit in Armenia. N. I. Il'in. Sov. geol. 7 no. 1:119-123 Ja '64.

ARMENIA—INDUSTRIAL MANAGEMENT

In the Party and State Control Committee at the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S.S.R. Prom. Arm. 7 no. 2:72-73 F '64.

ARMENIA—INDUSTRIAL SAFETY

Intensify technical inspection of labor safety in industry. E. Kalantar. Prom. Arm. 7 no. 2:16-19 F '64.

ARMENIA—LARK

Lark Melanocorypha bimaculata Men. in Armenia. M. S. Adamian. Ornitologiia no. 6:238-245 '63.

ARMENIA—LAVA

Pillow lavas from Upper Jurassic sediments in the Agstev and Tavush interfluve. R. A. Mandalaian, L. S. Cholakhian Dokl. An Arm. SSR 38 no. 3:169-173 '64.

ARMENIA—LICHENS

Lichen flora of Armenia. V. G. Nikogosian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:89-99 Ap '64.

ARMENIA—MEALYBUGS

New species of mealybugs (Homoptera, Coccoidea, Pseudococcidae) from Armenia. M. A. Ter-Grigorian. Dokl. AN Arm. SSR 38 no. 4:245-249 '64.

New species of mealybugs (Homoptera, Coccoidea, Pseudococcidae) on the mountain steppe and alpine zones of Armenia. M. A. Ter-Grigorian. Dokl. An Arm. SSR 38 no. 3:181-188 '64.

ARMENIA—MINES AND MINERAL RESOURCES

The first monograph in the scientific-popular series. A. Musaelian. Prom. Arm. 7 no. 2:77-78 F '64.

ARMENIA—MITES

Study of gamasid mites in the Armenian S.S.R. A. M. Ogandzhanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5: 81-83 My '63.

ARMENIA—ORE DEPOSITS

Ore potential of intrusive-effusive complexes in the Armenian S.S.R. G. O. Grigorian. Zakonom. razm. polezn. iskop. 7:271-287 '64.

ARMENIA—POLYPORACEAE

Materials on the study of the representatives of bracket fungi of the genus Phellinus Quel in the Armenian S.S.R. S. N. Martirosian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:77-87 Ap '64.

ARMENIA—PRECAST CONCRETE CONSTRUCTION

Precast monolythic structures of threeaxially prestressed concrete and lightweight concrete with local natural porous fillers. A. Piradov. Prom. Arm. 7 no. 2:39-42 F '64.

ARMENIA—ROCKS, IGNEOUS

Ore potential of intrusive-effusive complexes in the Armenian S.S.R. G. O. Grigorian. Zakonom. razm. polezn. iskop. 7:271-287 '64.

ARMENIA—SCALE INSECTS—BIOLOGICAL CONTROL

Readers' letters. N. A. Sifroshvili, L. G. Minasian. Zashch. rast. ot vred. i bol. 9 no. 2:17 '64.

ARMENIA—SILKWORMS, EFFECT OF SPRAYING AND DUSTING ON

Chemical control of mulberry pests and the protection of silkworms from poisoning. G. M. Mardzhanian, Zh. K. Markosian. Izv. AN Arm. SSR. Biol. nauki 15 no. 5: 11-22 My '62.

ARMENIA—SPARROWS—EXTERMINATION

New chemical methods of controlling the Caucasian house sparrow. O. R. Avetisian, G. G. Manucharian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5:75-80 My '63.

ARMENIA—TECHNOLOGY—INFORMATION SERVICES

Work practices of the House of Technology of the Armenian Council of Scientific Technological Societies. V. N. Petrosian. NTI no. 2:14-16 '64.

ARMENIA—TECHNOLOGY CLUBS

Technology knocks at the door of community centers. Sov. profsoiuzy 20 no. 12:26-27 Je '64.

ARMENIA—VITICULTURE—BY-PRODUCTS

More attention to the processing of viniculture wastes. V. Airumian, G. Popov. Prom. Arm. 7 no. 2:14-16 F '64.

ARMENIA—WAGES

Efficient forms for using the hourly wage system. V. Petrosian. Prom. Arm. 7 no. 2:19-21 F '64.

ARMIES see subdivision 'Army' under Czechoslovakia; Germany, East; Pakistan; Poland; Russia; United States

AROMATIC COMPOUNDS—SPECTRA

Study of the adsorption of phenol, aniline, and nitrobenzene by aerosil and zeolite using infrared spectroscopy. V. N. Abramov, A. V. Kiselev, V. I. Lygin. Zhur. fiz. khim. 38 no. 4:1044-1047 Ap '64.

AROMATIC PLANTS

Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the production of aromatic plant seeds] Rekomendatsii po semenovodstvu efiromaslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 27 p.
(DNAL)

AROMATIZATION

Kinetics of the dehydrocyclization of paraffin hydrocarbons on oxide catalysts. G. M. Panchenkov, K. A. Venkatachalam, IU. M. Zhorov. Neftekhimiia 4 no. 1:30-36 Ja-F '64.

ARREST

Strict adherance to law in cases when criminal suspects are detained. P. Kopeiko, L. Ivanov. Sots. zakon. 41 no. 3:16-21 Mr '64.

ARRHYTHMIA

Auricular interpolated extrasystoles. A. A. Savel'ev. Kardiologiia 3 no. 6:76-78 N-D '63.

Intermittent disorders of intraventricular conductivity. L. I. Mosin. Kardiologiia 3 no. 6:73-75 N-D '63.

Late ventricular extrasystoles. N. B. Pavlikovskaia. Kardiologiia 3 no. 6:78-79 N-D '63.

Reciprocal transitions of intermittent block of the left pedicle of the bundle of His and nodal rhythm in a patient with rheumocarditis. V. G. Bochorishvili. Kardiologiia 3 no. 6:79-82 N-D '63.

Review of I. A. Chernogorov's book "Disorders of the cardiac rhythm." M. I. Reiderman. Kardiologiia 3 no. 6:89-91 N-D '63.

ARSENIC

(see also subdivision under Armenia; Azov Sea region)

Arsenic content in Bulgarian cigarettes. K. Aleksandrov. Vop. onk. 8 no. 11:48-50 '62.

Effect of arsenic on the catalytic and electrolytic reduction of crotonic and maleic acids on platinum. L. IA. Krasnikova, G. P. Khomchenko, T. D. Vovchenko. Vest. Mosk. un. Ser. 2: Khim. 19 no. 2:33-36 Mr-Ap '64.

ARSENIC—ANALYSIS

Arsenic content of solid fuel. A. S. TSynovnikov and others. Koks i khim. no. 4:17-20 '64.

ARSENIC ORGANIC COMPOUNDS

Separation of phenyl derivatives of arsenic and germanium by means of partition paper chromatography. V. D. Nefedov and others. Radiokhimiia 6 no. 1:112-113 '64.

ARSONIUM COMPOUNDS—OPTICAL PROPERTIES

Chromatographic separation of quaternary asymmetrical arsonium salts into optically active antipodes and the study of their racemization rates. Gil'm Kamai, IU. F. Gatilov. Zhur. ob. khim. 34 no. 3:782-785 Mr '64.

ART

(see also subdivision under Stavropol Province)

Art life in the Soviet Union. Iskusstvo 27 no. 4:77-80 Ap '64.

Foreign review. Iskusstvo 27 no. 4:72-76 Ap '64.

Ikonnikov, A. V., and G. P. Stepanov. [Toward a new style] K novomu stiliu. Leningrad, Khudozhnik RSFSR, 1962. 69 p.
(NIC)

[Young artists of Moscow; an album of works] Molodye khudozhniki Moskvy; al'bom proizvedenii. Leningrad, Khudozhnik RSFSR, 1963. [3] p. illus.

ART—BIBLIOGRAPHY see Bibliography—Art

ART—CATALOGS

[Chronicle of fine arts] Let. izobr. isk. no. 2 '64.

ART—EXHIBITIONS

Akademiia khudozhestv, Leningrad. [Exhibition of works by young artists; painting, sculpture, graphic arts. A catalog] Vystavka proizvedenii molodykh khudozhnikov; zhivopis', skul'ptura, grafika. Katalog. Moskva, Izd-vo "Iskusstvo," 1964. 28 p. illus.

ART—PHILOSOPHY

Representation and expression. N. Ioganson. Iskusst 27 no. 4:25-28 Ap '64.

ART, ABSTRACT

Kemenov, V. S. [Against abstractionism. In disputes over realism; collection of articles] Protiv abstrakts nizma. V sporakh o realizme; sbornik statei. Leningr Khudozhnik RSFSR, 1963. 154 p. illus.

Moldavskii, D. M. [Art of a doomed world] Iskusstvo obrechennogo mira. Leningrad, Khudozhnik RSFSR, 1964. 76 p.

ART, EGYPTIAN

"Art of ancient Egypt" by M. E. Mat'e. Reviewed by V. Pavlov. Vest. drev. ist. no. 1:149-154 '64.

"Art of ancient Egypt" by V. V. Pavlov. Reviewed by S. Khodzhash. Vest. drev. ist. no. 1:154-156 '64.

ART, LITHUANIAN

[Art; painting, sculpture, graphic arts, applied art] Dailė; tapyba, skulptura, grafika, taikomoji dailė. [Kaunas, Valst. grozines lit-ros leidykla] 1960. 24 p. (chiefly illus.) [In Lithuanian]

[Art; painting, sculpture, graphic arts, applied art] Dailė; tapyba, skulptura, grafika, taikomoji dailė. [Kaunas Valst. grozines lit-ros leidykla] 1961. 55 p. (chiefly illus.) [In Lithuanian]

ART AND MORALS

The ethical content of art. V. K. Skatershchikov. Vop. filos. 10 no. 5:128-137 '64.

ART CRITICISM

Karotnikova, I. A., N. S. Stepanian, and V. V. Starodubov [How to look at and appreciate works of art] Kak smotret' i ponimat' proizvedeniia iskusstv. Moskva, Izd-vo "Znanie," 1963. 79 p. illus.

ART GALLERIES AND MUSEUMS see subdivision under Gorkiy; Leningrad; Moscow; Parkhomovka (Kiev Province)

ARTASHAT DISTRICT—SEISMIC PROSPECTING

Practice in grouping instruments and explosions in Artashat District of the Armenian S.S.R. I. B. Osipova Izv. AN Arm. SSR. Nauki o zem. 17 no. 1:11-18 '64.

ART LIBRARIES

For artists from among the people. Zh. Smolova. Bibliotekar' no. 6:42-43 Je '64.

ARTERIES—RADIOGRAPHY

Arteriography in obliterating processes of the peripher vessels and indications for sympathectomy. I. I. Epshtein. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:315-329 '63.

ARTERIES—SURGERY

Restoration of the arterial circulation in extracranial occlusions of the carotid artery. V. Marinesku, II. Setlachek, F. Nash. Khirurgiia 39 no. 8:100-107 Ag '63.

ARTERIOSCLEROSIS

(see also subdivision under Baku)

Atherosclerosis in young dogs induced by a prolonged functional stress of the central nervous system. P. S. Khomulo. Dokl. AN SSSR 156 no. 4:976-978 Je '64.

Effect of the complex of health-resort factors of the Turshsu resort on the cholesterol content of the blood. S. M. Salikhov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:113-118 '62.

ARTERENOL see Noradrenaline

ARTHRITIS

Some characteristics of the course of gonorrheal arthritis. L. V. Shevliakov, G. G. Sedel'nikova. Vest. derm. i ven. 37 no. 9:86-87 S '63.

ARTIFICIAL INSEMINATION

Fertility of and zygot divisions in sows inseminated with preserved semen. A. I. Arkhipovets. Vest. sel'khoz. nauki 9 no. 2:65-70 F '64.

Frorip, Georg, and Ando Vasari. [Textbook on the artificial insemination of livestock] Pollumajandusloomade kunstliku seemenduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus, 1964. 302 p. [In Estonian]
(DNAL)

ARTIFICIAL ISLANDS

Four-cylinder frictional LF-4 draw works for a gantry crane. K. N. Zgurskii. Mash. i neft. obor. no. 8:27-29 '63.

ARTIFICIAL LEATHER see Leather, Artificial

ARTIFICIAL PNEUMOPERITONEUM see Pneumoperitoneum, Artificial

ARTIFICIAL RESPIRATION

Hyperventilation tetany during light anesthesia. N. E. Burov, G. V. Guliaev, N. M. Sadykov. Eksp. khir. i anest. 8 no. 5:84-87 S-O '63.

ARTIFICIAL SATELLITES

Al'pert, IA. L., A. V. Gurevich, and L. P. Pitaevskii. [Artificial satellites in rarefied plasma] Iskusstvennye sputniki v razrezhennoi plazme. Moskva, Izd-vo "Nauka," 1964. 382 p.

Conference of representatives of socialist countries on problems involving the observation of artificial earth satellites. N. P. Slovokhotova. Vest. AN SSSR 34 no. 5:126-127 My '64.

[Space research] Ref. zhur.: Issl. kosm. prostr. nos. 1-5 Ja-My '64.

ARTILLERY DRILL AND TACTICS

An artillery division in an attack on the march. IU. Sotskov. Voen. vest. 44 no. 6:34-38 Je '64.

A battery supports a battalion attacking on the march; a tactical and drill exercise. G. Kolesnichenko. Voen. vest. 43 no. 5:70-72 My '64.

Coordinating a division; a method of carrying out a complex exercise. A. Razuvaev. Voen. vest. 44 no. 6:73-76 Je '64.

Fire position exercise on the march. G. Kuz'mich. Voen. vest. 43 no. 5:80 My '64.

Operations of a mortar battery in the rear of the enemy. I. Andrushkevich. Voen. vest. 43 no. 5:45-47 My '64.

Organization of technical training. F. Mertvlachenko. Voen. vest. 43 no. 5:73-74 My '64.

Procedure of a report of observations. A. Matevashchuk. Voen. vest. 43 no. 5:78-79 My '64.

Solve this problem. Neutralizing a battery in the mountains. Voen. vest. 43 no. 5:80 My '64.

Training a battery for maneuver by fire. R. Krasilovskii. Voen. vest. 43 no. 5:74-76 My '64.

Training to fire from short stops. N. Sidorenko. Voen. vest. 43 no. 5:84-85 My '64.

ARTISTIC PHOTOGRAPHY see Photography, Artistic

ARTISTS see subdivision under Kaluga

ARYAN LANGUAGES—GRAMMAR, COMPARATIVE

Makaev, E. A. [Problems of Indo-European areal linguistics] Problemy indoevropeiskoi areal'noi lingvistiki. Moskva, Izd-vo "Nauka," 1964. 57 p.

ASBESTOS CEMENT

Manufacturing sheet asbestos cement products from various makes of portland cement. E. N. Kitaev. Stroi. mat. 10 no. 2:13-14 F '64.

Vacuum dehydration of asbestos cement. I. I. Bernet. Stroi. mat. 10 no. 2:27-30 F '64.

ASBESTOS MINES AND MINING see subdivision under Sverdlovsk Province

ASCARIDS AND ASCARIASIS see subdivision under Tashkent Province

ASCOCHYTA see subdivision under Armenia

ASCORBIC ACID

Ascorbic acid content of milk in brood sows as related to the length of lactation. I. F. Ros'. Nauk. pratsi Zootekh. fak. Kam.'-Pod. sil'hosp. inst. 5:30-31 '63.

Ascorbic acid content of needles of prickly pine and Greek fir during the fall and winter period. I. V. Areshidze, Zh. L. Podrazhanskaia. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:91-92 '56.

Catalytic oxidation of ascorbic acid in the presence of active carbon. Z. G. Skrypnyk. Dop. AN URSR no. 5:609-613 '64.

Change in the vitamin C content of fresh and canned fruits and berries. G. M. Makhkamov, V. IA. Men'kovich. Trudy Inst. kraev. eksper. med. no. 5:18-27 '63.

Concentration of ascorbic acid and catechins with vitamin P activity in fresh and dried wild plants of the Donets virgin steppe. P. P. Lymareva. Farmatsev. zhur. 15 no. 5:66-71 '60.

Effect of pneumoencephalography on the content of ascorbic acid in the cerebrospinal fluid. S. A. Gromov. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:271-275 '63.

Effect of subarachnoidal introduction of oxygen on the content of ascorbic acid in the liquor. S. A. Gromov, R. A. Lisovskaia. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:267-270 '63.

ASEPSIS AND ANTISEPSIS

Studying aseptic methods for the preparation of drugs. Report No. 1. O. V. Chuiko and others. Farmatsev. zhur. 17 no. 6:43-48 '62.

ASH DISPOSAL

A high alluvial ash dump dam. V. I. Meshkov. Elek. stat. 35 no. 1:81-82 Ja '64.

ASIA—GEOLOGY, STRUCTURAL

Petrushevskii, B. A. [Problems in the geological history and tectonics of Eastern Asia] Voprosy geologicheskoi istorii i tektoniki Vostochnoi Azii. Moskva, Izd-vo "Nauka," 1964. 299 p.

ASIA—POPULATION

"Peoples of South Asia." Reviewed by E. M. Medvedev, D. V. Deopik. Vest. AN SSSR 34 no. 5:166-170 My '64.

ASIA, CENTRAL—CITY PLANNING

"Heat supply and air conditioning in towns of Central Asia" by E. D. Rodimkin and E. I. Monokrovich. Reviewed by G. B. Ivanov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 1:81-82 '63.

ASIA, SOUTHEASTERN—GUIDE BOOKS

[Countries of South East Asia; a concise political and economic reference book] Strany IUgo-Vostochnoi Azii; kratkii politiko-ekonomicheskii spravochnik. Moskva, Politizdat, 1964. 205 p.

ASIATIC CHOLERA see Cholera, Asiatic

ASPARAGINASES

Study of the asparaginase activity and the reaction of inosinic acid amination in a rat muscle homogenate. M. R. Kazakhashvili. Trudy Inst. fiziol. AN Gruz. SSR 13:209-214 '63.

ASPARTIC ACID

Oxidative deamination of D-aspartic acid in the liver of rabbits in experimental tuberculosis. V. G. Grigorian. Vop. med. khim. 9 no. 1:37-40 Ja-F '63.

ASPERGILLUS

Effect of external factors on the mutants of Aspergillus niger [with summary in English]. A. A. Imshenetskii, L. I. Solntseva, N. F. Kuranova. Mikrobiologiia 32 no. 4:616-622 Jl-Ag '63.

Inhibition of induced amylase synthesis in Aspergillus oryzae by glucose [with summary in English]. A. S. Tikhomirova, A. K. Kulikova. Mikrobiologiia 32 no. 4:577-581 Jl-Ag '63.

ASSEMBLY-LINE METHODS

Forms of the organization of continuous production lines in the garment cutting shops of clothing factories. A. A. Skvira. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:10-22 '64.

Organization of the work in the manufacture of leather-like cardboard with the use of "Pashke" presses. S. A. Kim, P. S. Pushkin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:3-9 '64.

ASSUAN DAM see Aswan Dam

ASSYRIOLOGY

Leningrad. Universitet. Vostochnyi fakul'tet. Kafedra stran drevnego Vostoka. [Assyriology and Egyptology] Assiriologiia i egiptologiia; sbornik statei. [Leningrad] Leningr. univ., 1964. 126 p.

ASTERS—VARIETIES see subdivision under Latvia

ASTRAKHAN—CITY PLANNING

Early stage in the building of contemporary Astrakhan and role of the Kremlin in forming its plan. A. P. Osiatinskii. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7:128-134 '63.

ASTRAKHAN—AUXILIARY POLICE

Our auxiliary police. V. A. Lesnikov. Sred. spets. obr. 11 no. 4:44-46 Ap '64.

ASTRAKHAN—MUSIC

Revive former traditions. M. Etinger. Sov. muz. 27 no. 12:106-107 D '63.

ASTRAKHAN PROVINCE—STATISTICS

Astrakhan (Province) Statisticheskoe upravlenie. [Economy of Astrakhan Province; a statistical abstract] Narodnoe khoziaistvo Astrakhanskoi oblasti; statisticheskii sbornik. [2. per. i dop. izd.]. Saratov, Gosstatizdat TsSu SSSR, Saratovskoe otd-nie, 1963. 106 p.

ASTROMETRY

Akademiia nauk URSR, Kiev. Holovna astronomichna observatoriia. [Problems in astrometry] Voprosy astrometrii. Kiev, "Naukova dumka," 1964. 94 p.

ASTRONAUTICS

[Space research] Ref. zhur.: Issl. kosm. prostr. nos. 1-5 Ja-My '64.

ASTRONAUTICS—PSYCHOLOGY

Preservation of the skill to transmit information under the conditions of prolonged isolation. A. P. Kuz'minov, V. F. Onishchenko, M. M. Sil'vestrov. Probl. kosm. biol. 3:245-249 '64.

ASTRONAUTICS AND CIVILIZATION

Ursul, A. D. [Socialism and communism form the launching area for Soviet space vehicles. Sotsializm i kommunizm - startovaia ploshchadka sovetskikh kosmicheskikh korablei. Kishinev, "Kartia moldoveniaske," 1964] 109 p.

ASTRONOMICAL OBSERVATORIES

Astronomical station for observations in the far infrared spectral region. S. I. Averkov and others. Astron. zhur. 41 no. 3:542-546 My-Je '64.

ASTRONOMY

"Annual review of astronomy and astrophysics." Reviewed by S. B. Pikel'ner. Astron. zhur. 41 no. 3:590-591 My-Je '64.

Plenums of the Astronomical Council and its committees. N. P. Erpylev and others. Vest. AN SSSR 34 no. 5:134-137 My '64.

What we shall be able to observe on the moon. K. A. Kulikov. Priroda 53 no. 6:50-55 '64.

ASTRONOMY—BIBLIOGRAPHY see Bibliography—Astronomy

ASTRONOMY—YEARBOOKS

[School astronomical calendar for 1964] Shkol'nyi astronomicheskii kalendar' na 1964 god. Vyp. chetyrnadtsatyi. Moskva, Uchpedgiz, 1963. 70 p.

ASTROPHYSICS

"Annual review of astronomy and astrophysics." Reviewed by S. B. Pikel'ner. Astron. zhur. 41 no. 3:590-591 My-Je '64.

Gravitational instability of a nonhomogeneous plasma medium. L. M. Ozernoi. Astron. zhur. 41 no. 3:494-504 My-Je '64.

ASTROPHYSICS—BIBLIOGRAPHY see Bibliography—Astrophysics

ASTURIAS—STRIKES AND LOCKOUTS

Unvanquished Asturias; labor movement. Eusebio Cimorra. Nov. vrem. 21 no. 24:14-15 Je '64.

ASWAN DAM

Komzin, I. V. [The light of Aswan] Svet Asuana. [Moskva] Molodaia gvardiia, 1964. 205 p.

ASYNCHRONOUS ELECTRIC MOTORS see Electric motors, Induction

ATHEISM

(see also subdivision under Kobrin District)

[Atheistic education in school] Ateistlikust kasvatusest koolis. Tallinn, Eesti Riiklik Kirjastus, 1963. 62 p. [In Estonian]

Atheistic education of soldiers is a problem of great significance. I. Kazachkov. Komm. Vooruzh. Sil 4 no. 8:30-34 Ap '64.

ATHEISM—DICTIONARIES

Akademiia nauk SSSR. Institut filosofii. [A brief dictionary of scientific atheism] Kratkii nauchno-ateisticheskii slovar'. Moskva, Izd-vo "Nauka," 1964. 641 p.

ATHEISM—STUDY AND TEACHING

(see also subdivision under White Russia)

Atheistic training of primary school students. K. P. Kindrat. Nach. shkola 32 no. 5:15-20 My '64.

Don't be satisfied with what you have achieved. A. Bakhmutova. Bibliotekar' no. 6:27 Je '64.

First successes. I. Fedorenko. Bibliotekar' no. 6:26 Je '64.

The theory of scientific atheism should be brought to the level of present-day demands. Vop. filos. 18 no. 5:3-12 '64.

ATHENS—HISTORY

Frolov, E. D. [Social and political struggle in Athens at the end of the fifth century B. C.; materials and documents] Sotsial'no-politicheskaia bor'ba v Afinakh v kontse V veka do n. e.; materialy i dokumenty. [Leningrad] Izd-vo Leningr. univ., 1964. 148 p.

ATHENS—POLITICS AND GOVERNMENT

"The oligarchic movement in Athens at the end of the fifth century B. C." by U. Hackl. Reviewed by E. D. Frolov. Vest. drev. ist. no. 1:168-172 '64.

ATLANTIC OCEAN—CODFISH

Materials on the estimation of the number of young codfish, haddock, and rosefish in the regions of the northwestern Atlantic in December-March 1961-1962. M. M. Nevinskii. Nauch.-tekh. biul. PINRO no. 4:43-45 '62.

ATLANTIC OCEAN—HADDOCK

Materials on the estimation of the number of young codfish, haddock, and rosefish in the regions of the northwestern Atlantic in December-March 1961-1962. M. M. Nevinskii. Nauch.-tekh. biul. PINRO no. 4:43-45 '62.

ATLANTIC OCEAN—HERRING FISHERIES

Change in the size composition of herring concentrations at various fishing levels during the fall and winter period. V. K. Zilanov. Nauch.-tekh. biul. PINRO no. 4:39-41 '62.

Forecasting the state of the stocks of herring fisheries in the seas of the northern Atlantic. I. G. IUdanov. Nauch.-tekh. biul. PINRO no. 4:6-8 '62.

ATLANTIC OCEAN—MARINE SEDIMENTS

Deep-sea sediments in the North African Basin of the Atlantic Ocean. V. M. Lavrov. Trudy Inst. okean. 68:136-156 '64.

ATLANTIC OCEAN—MARINE SEDIMENTS (Continued)

Organic matter in the surface layer of sediments in the northern part of the Atlantic Ocean. N.M.Vikhrenko. Trudy Inst.okean. 68:120-135 '64.

Some characteristics of the mineralogical composition of bottom sediments in the Atlantic Ocean. S.K.Gipp. Trudy Inst.okean. 68:157-166 '64.

ATLANTIC OCEAN—MINERALS

Some characteristics of the mineralogical composition of bottom sediments in the Atlantic Ocean. S.K.Gipp. Trudy Inst.okean. 68:157-166 '64.

ATLANTIC OCEAN—OCEAN CURRENTS

Characteristics of salinity and temperature distribution connected with the Atlantic equatorial subsurface countercurrent. O.I.Mamaev. Vest.Mosk.un.Ser.5: Geog. 19 no.3:39-43 My-Je '64.

ATLANTIC OCEAN—OCEAN TEMPERATURE

Characteristics of salinity and temperature distribution connected with the Atlantic equatorial subsurface countercurrent. O.I.Mamaev. Vest.Mosk.un.Ser.5: Geog. 19 no.3:39-43 My-Je '64.

ATLANTIC OCEAN—ORGANIC MATTER

Organic matter in the surface layer of sediments in the northern part of the Atlantic Ocean. N.M.Vikhrenko. Trudy Inst.okean. 68:120-135 '64.

ATLANTIC OCEAN—ROSEFISH

Materials on the estimation of the number of young codfish, haddock, and rosefish in the regions of the northwestern Atlantic in December-March 1961-1962. M.M.Nevinskii. Nauch.-tekh.biul.FINRO no.4:43-45 '62.

ATLANTIC OCEAN—SALINITY

Characteristics of salinity and temperature distribution connected with the Atlantic equatorial subsurface countercurrent. O.I.Mamaev. Vest.Mosk.un.Ser.5: Geog. 19 no.3:39-43 My-Je '64.

ATLANTIC OCEAN—SEAWATER—COMPOSITION

Suspended matters in the northwestern half of the Atlantic Ocean based on the data of the seventh voyage of the electric propulsion ship "M.Lomonosov." N.M. Vikhrenko. Trudy Inst.okean. 68:3-11 '64.

ATMOSPHERE
(see also subdivision under Arctic regions; Germany, East)

Characteristics of the annual transformations of macrosynoptic processes in the various circulation epochs. A.A.Girs. Trudy AANII 255:47-85 '63.

Determination of the height of the boundary layer of the atmosphere by different methods. N.M.Galadzhii, I.I.Melent'eva, A.V.Tkachenko. Trudy GGO no.144: 96-101 '63.

Intraepochal transformations in the modes of atmospheric circulation and their causes. A.A.Girs. Trudy AANII 255:16-46 '63.

Possible reasons of the inconstancy in the relationship of the sun and the atmosphere. B.A.Sleptsov. Probl. Arkt.i Antarkt. no.16:69-74 '64.

Quantitative estimation of the modes of atmospheric circulation. E.V.Altykis. Trudy AANII 255:119-128 '63.

Results of the temperature pulsation measurements and the wind direction in the lowest layer of the atmosphere. N.Z.Ariel' and others. Trudy GGO no.144:48-58 '63.

Some characteristics of circulation in the troposphere in the equatorial zone. E.M.Dobryshman. Meteor.i gidrol. no.5:10-19 My '64.

Some characteristics of the spatial-temporal distribution of meteorological elements in the lowest layer of the nonstationary air flow. S.S.Zilitinkevich. Trudy GGO no.144:133-140 '63.

Some results of processing and analyzing gradient observations in the lowest atmospheric layer. L.R.Orlenko, A.V.Tkachenko. Trudy GGO no.144:11-21 '63.

Structure of the lowest layer of the atmosphere (O-O.5km) during the period of the Dnieper Expedition. P.A. Vorontsov. Trudy GGO no.144:102-110 '63.

Thermodynamic interaction in the sea-ice-atmosphere system. B.A.Kagan. Trudy GGO no.144:183-195 '63.

Vovchenko, P.G. [Riddles of the atmospheric elements] Zagadki vozdushnoi stikhii. Leningrad, Gidrometeoizdat, 1964. 135 p.

ATMOSPHERE—SPECTRA

Atmospheric scattering indicatrice in the visual and ultraviolet spectral region. V.E.Pavlov. Astron. zhur. 41 no.3:546-549 My-Je '64.

ATMOSPHERIC PRESSURE

Calculation of pressure change at the earth surface based on aerological data. E.N.Arabei. Meteor.i gidrol. no.5:45-49 My '64.

ATMOSPHERIC TEMPERATURE
(see also subdivision under Caucasus; Uzbekistan)

Method for calculating the distribution of the snow cover on mountains from aerial photographs and air temperatures. IU.M.Denisov. Izv.AN Uz.SSR.Ser.tekh.nauk 7 no.6:73-79 '63.

Structure of the boundary layer of the horizontal-heterogeneous atmosphere. Z.M.Utina. Trudy GGO no.144: 178-182 '63.

ATMOSPHERIC TURBULENCE
(see also subdivision under Soviet Central Asia)

Calculation of structural and correlation functions for a finite observation interval. E.K.Biutner. Trudy GGO no.144:68-75 '63.

Clear-sky turbulence in jet streams. A.A.Reshchikova. Trudy TSAO no.54:53-65 '64.

Dispersion of the turbulence energy in the lowest layer of the atmosphere. D.L.Laikhtman, L.R.Orlenko, A.V.Tkachenko. Trudy GGO no.144:28-33 '63.

Experimental studies of the vertical changes of turbulence intensity in the boundary layer of the atmosphere. D.L. Laikhtman, L.A.Kozakov, I.I.Melent'eva. Trudy GGO no.144:81-84 '63.

Heat conduction and moisture exchange in a turbulent atmosphere in the case of phase transitions of moisture. S.S.Zilitinkevich, D.L.Laikhtman. Dokl.AN SSSR 156 no.5:1079-1082 Je '64.

Methods and results of the spectral characteristics of turbulent pulsations in the lowest layer of the atmosphere. N.Z.Ariel', E.K.Biutner, A.R.Konstantinov. Trudy GGO no.144:59-67 '63.

Relationship between the components of the balance of turbulence energy based on experimental data. L.R. Orlenko. Trudy GGO no.144:34-45 '63.

Some results of experimental investigations of atmospheric turbulence using radiosondes. V.P.Beliaev and others. Trudy TSAO no.54:4-52 '64.

Some results of the determination of turbulence characteristics in jet streams. V.D.Litvinova. Trudy TSAO no.54:80-84 '64.

Turbulence in the jet stream area. T.P.Krupchatnikova. Trudy TSAO no.54:74-79 '64.

Using boundary-layer methods to determine turbulence parameters in the free atmosphere. V.A.Shnaidman. Trudy TSAO no.54:66-73 '64.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC POWER

Protsenko, A.N. [Conquering the atom] Pokorenie atoma. Moskva, Atomizdat, 1964. 173 p. (Nauchno-populiarnaia biblioteka Atomizdata)

ATOMIC POWER PLANTS

Study of the solubility of cobalt compounds in boiling water at 185 atm. pressures. Trudy MEI no.48:227-236 '63.

ATOMIC WEAPONS see subdivision under France; Germany, West

ATOMIC WEAPONS—INTERNATIONAL CONTROL see subdivision under Europe, Central; Scandinavia

ATOMIC WEAPONS—SAFETY MEASURES

Activity in training. S.Buldakov. Voen.vest. 43 no.5: 26-30 My '64.

In all drills and exercises. F.Manets. Voen.vest. 43 no.5:20-22 My '64.

Most important subject of training. N.Danilov. Voen. vest. 43 no.5:17-20 My '64.

Under conditions similar to combat. V.Pikalov. Voen. vest. 43 no.5:23-28 My '64.

ATOMIZATION

Atomization of liquids in an ultrasonic fountain. E.L. Gershenzon, O.K.Eknadiosiants. Akust.zhur. 10 no.2:156-162 '64.

ATOMS

Balabanov, E.M. [The sun on the earth; talks about the atom, its nucleus, and their energy] Solntse na Zemle; rasskazy ob atome, atomnom iadre i ikh energii. Izd.2., dop. [Moskva] Molodaia gvardiia, 1964. 278 p.

ATROPHY, MUSCULAR

Amyotrophic lateral sclerosis syndrome in cervical osteochondrosis. V.V.Mikheev and others. Zhur. nevr.i psikh. 63 no.6:833-840 '63.

Specific form of an amyotrophic shoulder girdle lesion (Parsonage-Turner syndrome). A.A.Skoromets. Zhur.nevr.i psikh. 63 no.6:841-844 '63.

ATROPINE

Changes in the correlations of the orientation and motor conditioned reflexes under the effect of atropine. E.A. Kostandov. Zhur.vys.nerv.deiat. 14 no.2:211-222 Mr-Ap '64.

Effect of some atropine analogues on experimental bronchospasm. R.R.Safrazbekian, R.S.Sukasian, R.G.Parsadanian. Izv.AN Arm.SSR.Biol.nauki 16 no.5:7-13 My '63.

Method for quick approximate quantitative determination of solutions of novocaine, atropine sulfate and calcium chloride. L.M.Sol'ts, A.M.Sergieieva. Farmatsev. zhur. 15 no.4:22-26 '60.

Use of the atropine test in the diagnosis of allergic diseases. L.M.Ishimova, Nguen Nang An. Sov.med 27 no.10:62-66 O '63.

ATTACK AND DEFENSE (MILITARY SCIENCE)
(see also subdivision under Germany, West)

An artillery division in an attack on the march. IU.So skov. Voen.vest. 44 no.6:34-38 Je '64.

Fire control of units on the defensive. O.Vagner. Voen.vest. 44 no.6:115-119 Je '64.

AUDIO-VISUAL EDUCATION—CONGRESSES

Conference of enthusiasts. N.D.Shul'gina. Sred.spets obr. 11 no.4:58-59 Ap '64.

AUDITING AND INSPECTION
(see also subdivision under Moldavia)

Based on the participation of volunteers; a review of articles and correspondence received by the editor. Fin.SSSR 38 no.5:66-70 My '64.

Expansion of the activist group comprised of volunteers in the control and auditing apparatus. A.Mil'ner. Bukhg.uchet 21 no.4:34-38 Ap '64.

For auditor's aid. A.Simonov. Fin.SSSR 38 no.5:63-64 My '64.

AURANTIN

Comparative study of amino acids formed by the auranti producer (with summary in English). M.V.Nefelova, A.E.Kol'man. Mikrobiologiia 32 no.4:603-609 Jl-A '63.

AUSTENITE—METALLURGY

Noncorrodibility of "white layers." K.V.Savitskii, IU. Kogan, M.P.Kudrina. Izv.vys.ucheb.zav.; fiz. no.2: 177-178 '64.

AUSTRALIA—FOREIGN RELATIONS—JAPAN

"Australian diplomacy and Japan, 1945-1951" by R.N. Rosecrance. Reviewed by N.P.Letova. Nov.i noveish. ist. no.2:158-160 '64.

AUSTRALIA—PETROLEUM INDUSTRY

Petroleum industry of Australia. S.M.Lisichkin. Neft. khoz. 41 no.6:62-66 Je '63.

AUSTRIA—CATHOLIC CHURCH

"Josefinism; history of the attempts to reform the Catholic Church in Austria, 1740-1848" [in German] by E.Winter. Reviewed by S.D.Skazkin. Nov.i noveish.ist. no.1:129-132 '64.

AUSTRIA—HISTORY

"Outline history of Austria, 1920-1938" by V.M.Turok. Reviewed by G.Shteiner. Nov.i noveish.ist. no.3:143-145 '64.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Inber, V.M. [For many years] Za mnogo let. Moskva, Sovetskii pisatel', 1964. 493 p.

AUTOIMMUNE DISEASES

Brain tissue auto-antibodies in neural diseases. R.K. Shamrei. Zhur.nevr.i psikh. 63 no.6:814-816 '63.

Dygin, V.P. [Autoimmune diseases of the blood system; serology, clinical aspects and treatment] Autoimmunnye zabolevaniia sistemy krovi; serologiia, klinika i lechenie. Leningrad, Meditsina, 1964. 221 p. (DNLM)

AUTOMATIC CONTROL

Absolute stability of some regulated systems with delay. A.Khalanai. Avtom.i telem. 25 no.3:290-301 Mr '64.

Additional estimates for a redundancy scheme with fractional brevity. A.L.Raikin. Avtom.i telem. 25 no.4: 582-584 Mr '64.

Adjustment of regulators in industrial systems taking the nature of excitation into account. A.M.TSirlin. Trudy MIKHM 25:80-91 '63.

Algorithmic structural diagram of a system for the automatic control of chemical industrial processes using a computer. V.M.Ordyntsev. Avtom.i telem. 25 no.4:500-516 Mr '64.

Analysis of the structure of a multidimensional automatic control system with nonlinear coupling. O.S.Sobolev. Avtom.i telem. 25 no.3:347-355 Mr '64.

Analytical design of an optimum controller for stabilizing the angular position of vertical take-off and landing apparatus. IU.B.Popov. Avtom.i telem. 25 no.4: 452-462 Mr '64.

Apparatus for the automatic control of the tension of a conveyor belt. V.A.Dudko. Ugol' Ukr. 8 no.3:54-55 Mr '64.

Application of the maximum principle to problems of optimization of parallel chemical reactions. F.A. Shatkhan. Avtom.i telem. 25 no.3:368-373 Mr '64.

Approximate method for calculating transient processes in automatic control systems including links with distributed parameters. IA.B.Kadymov, B.A.Lisengarten. Avtom.i telem. 25 no.4:484-491 Mr '64.

Approximation of spectral characteristics by means of Chebyshev polynomials. A.M.TSirlin. Trudy MIKHM 25:128-137 '63.

AUTOMATIC CONTROL (Continued)

Automatic [illegible] of [illegible]. [illegible] no. [illegible] '64.

Automatic [illegible] [illegible]

Automatic control [illegible]

Automatic [illegible]

Automatic [illegible]

Automatic control of [illegible]

Automatic [illegible]

Automatic [illegible]

Automatic [illegible]

Automatic [illegible]

Automatic [illegible]

Automatic [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible], A. V. [Automation of [illegible]] [illegible] Moskva, [illegible] 1964. [illegible] p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Calculating the [illegible] of [illegible] signals. [illegible] Trudy MIKhM [illegible] '64.

[illegible] the systems of the [illegible] control [illegible]. [illegible] '64.

[illegible], V. B., and M. A. [illegible]. [Overhead guiding conveyors with automatic guidance; principles of design and calculation] Podvesnye [illegible] konveiery s avtomaticheskim adresovaniem, osnovy proektirovaniia i rascheta. Moskva, Mashinostroenie, 1964. [illegible] p.

Dynamic characteristics and automatic control of [illegible] for [illegible] systems. A. V. [illegible]. Trudy MIKhM [illegible] '64.

Economic efficiency in the use of the automatic and [illegible] control of gas pipelines [illegible] Gaz. prom. [illegible] '64.

Economic effectiveness of the introduction of an automatic [illegible] for [illegible] in the reactor of a catalytic cracking device. [illegible] and others. [illegible] '64.

Effect of internal noise in a [illegible] changeable coefficients on the dynamics of a self-adaptive control system with a model. [illegible], V. [illegible] Avtom. i telem. 25 no. [illegible] '64.

Effect of the [illegible] on the operation of [illegible] control systems. A. [illegible] Avtom. i telem. [illegible] '64.

[illegible] automatic control [illegible]

[illegible] of [illegible] spectral [illegible] Avtom. i telem. [illegible] '64.

[illegible] of [illegible] Avtom. i telem. [illegible]

[illegible] processes [illegible] '64.

[illegible], V. M. [illegible] 1964. [illegible] p.

[illegible]

[illegible] Trudy MIKhM [illegible]

[illegible]

[illegible] [illegible] Moskva, [illegible] 1964. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Method for [illegible] by magnetic logical elements [illegible] Trudy MIKhM [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] of [illegible] systems [illegible] '64.

[illegible], T. A., ed. [Mechanization and automation of the coal industry] Mekhanizatsiia i avtomatizatsiia ugol'noi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. [illegible] p.

[illegible]

Optimization of [illegible] systems [illegible] '64.

Optimization of systems of the second order with delayed argument. V. A. [illegible] Trudy MIKhM [illegible]

Oscillations in a [illegible] system [illegible]

On [illegible] in [illegible] systems due to periodic [illegible]

Passage of [illegible] through [illegible] with varying parameters. [illegible] Avtomatika [illegible] '64.

Popov, V. A. [Ground metal resistors in electric drive and automatic control] Metallicheskie [illegible] v elektroprivode i avtomatike. Moskva, Izd-vo "Nauka," 1964. [illegible] p.

Principles of the construction and transformation of charts for the design of electrical networks. [illegible], A. A. [illegible]. Elektrichestvo no. [illegible] '64.

Problems in the mathematical description of transient processes in a plate rectification column. [illegible] Trudy MIKhM [illegible] '64.

Reliable logical elements and output amplifiers with redundant structure. [illegible] Avtom. i telem. 25 no. [illegible] My '64.

Selection of measuring elements for control systems. V. A. [illegible], V. [illegible]. [illegible] no. [illegible] My '64.

Semiautomatic control of the work of log conveyors. [illegible] 44 no. [illegible] '64.

Semiconductor diodes in the rectifier circuits of automatic control devices. [illegible] '64.

Simplified design of the automation of water supply [illegible] '64.

Solution of a problem on the analytical design of controllers. [illegible] Avtom. i telem. 25 no. [illegible] '64.

Solving some problems of automatic control by means of the analog-digital computer. [illegible] and others. Trudy MIKhM [illegible] '64.

Some problems of the automatic control of industrial objects [illegible] Trudy MIKhM [illegible]

Static [illegible] of the rectification column [illegible] '64.

Statistical [illegible] and problems of constructing reliable systems from unreliable elements. [illegible] Avtom. i telem. [illegible] '64.

[illegible] Trudy MIKhM [illegible]

[illegible]

[illegible]

[illegible], A. I., and M. A. [illegible]. [illegible] and automation of concentrating plants] [illegible] Moskva, Izd-vo "Nedra," 1964. [illegible] p.

[illegible] systems [illegible] '64.

[illegible] Trudy MIKhM [illegible]

[illegible] '64.

[illegible] Trudy MIKhM [illegible]

AUTOMATIC CONTROL BIBLIOGRAPHY see Bibliography - Automatic control

AUTOMATIC CONTROL, STANDARD

[illegible] '64.

AUTOMATIC MACHINES see Machinery, Automatic

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATIC TIMERS

[illegible] '64.

[illegible] '64.

AUTOMATION

[illegible] of processes in [illegible] metallurgy. [illegible] '64.

[illegible] for manufacturing [illegible] '64.

[illegible] '64.

Automating finishing operations on facades of buildings. [illegible] '64.

[illegible] '64.

Automation of classification bridges. [illegible] '64.

Automation of [illegible] systems in [illegible] freezing plants. [illegible] '64.

AUTOMATION (Continued)

Automation of founding processes. A. Zakhar'in and others. NTO 6 no.3:25-26 Mr '64.

Basic trends of the mechanization and automation of electroplating processes. P.B. Belkin, A.I. Lipin. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. 17 no.5:77-79 My '64.

Bendrikov, G.A., and K.F. Teodorchik. [Trajectories of the roots of linear automatic systems] Traektorii kornei lineinykh avtomaticheskikh sistem. Moskva, Izd-vo "Nauka," 1964. 159 p.

Complete automation of defecation-saturation operations. V.P. Lyakhov, A.G. Rudenok. Sakh.prom. 38 no.4: 23-24 Ap '64.

Development of research on the automation of programming. Vest.AN SSSR 34 no.5:19-26 My '64.

[EIKA; encyclopedia of measurements, control and automation] EIKA; entsiklopediia izmerenii kontrolia i avtomatizatsii. Moskva, Izd-vo "Energiia," No.2. 1964. 161 p.

Elements of automation in the technique of research in higher nervous activity. E. Frantik, M. Horvat. Zhur. vys.nerv.deiat. 14 no.2:358-363 Mr-Ap '64.

Experience in the automation of the testing of plastics for heat resistance. V.D. Ramzaitsev and others. Plast.massy no.1:69-71 '64.

Itskovich, E.L. [Statistical methods in production automation] Statisticheskie metody pri avtomatizatsii proizvodstva. Moskva, Izd-vo "Energiia," 1964. 189 p.

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Automation of power plants on seagoing merchant ships] Avtomatizatsiia silovykh ustanovok morskikh transportnykh sudov. Leningrad, Izd-vo "Morskoi transport," 1963. 73 p. (Its Informatsionnyi sbornik, no.99)

Mechanization and automation of production processes in the woodworking enterprises. M.D.Sakharov, V.G. Zhilonov. Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.2:50-53 '64.

Mil'man, IA.V., and S.S. Shvyrev. [Fundamentals of the automation of technological processes in the textile industry] Osnovy avtomatizatsii tekhnologicheskikh protsessov v tekstil'noi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 389 p.

Need for the organization of sections of the Control -Measurement Station and automation in sugar factories. M.I. Rybalkin. Sakh.prom. 38 no.4:32-34 Ap '64.

Problems in the application of algorithms and the use of computing equipment for the control of production processes. V.T. Kulik, V.V. Ivanov. Vest.mashinostr. 44 no.5:80-81 My '64.

Rodriges, Khose, and S.I. Vul. [Training workers to be versatile] Formirovanie rabochikh shirokogo profilia. Moskva, Ekonomika, 1964. 132 p.

Scientific Session on Automation. M.V. Meerov. Vest. AN SSSR 34 no.5:130-131 My '64.

Some observations concerning the automation of sugar manufacture (made by the "Sakhavtomat" Factory). Sakh.prom. 38 no.4:24-26 Ap '64.

Volotkovskii, S.A., and V.A. Bun'ko. [Automation of industrial processes in ore dressing plants] Avtomatizatsiia proizvodstvennykh protsessov na obogatitel'nykh fabrikakh. Moskva, Izd-vo "Nedra," 1964. 281 p.

Zelichenok, G.G. [Automation of machinery and production processes in road construction] Avtomatizatsiia mashin i proizvodstvennykh protsessov v dorozhnom stroitel'stve. [n.p.] Rosvuzizdat, 1963. 111 p.

AUTOMOBILE DRIVERS

For the military driver. Tekh.i vooruzh. no.1:94-95 Ja '64.

AUTOMOBILE INDUSTRY—ACCOUNTING see subdivision under Gorkiy

AUTOMOBILE INDUSTRY—EQUIPMENT AND SUPPLIES

Semiautomatic line for tire mounting. T.A. Vvedenskii. Avt.prom. 30 no.3:47-48 Mr '64.

AUTOMOBILE INDUSTRY—MANAGEMENT
(see also subdivision under Gorkiy)

Means for improving the durability and quality of the output of the automobile industry. V.V. Lukin. Avt.prom. 30 no.3:1-5 Mr '64.

AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Soviet inventions on the design and construction of automobiles introduced into production. List no.3. Avt. prom. 30 no.3:48 Mr '64.

AUTOMOBILE INDUSTRY WORKERS see subdivision under Gorkiy; Lipetsk

AUTOMOBILE TRAINS

Selivanov, I.I., and M.I. Serebrianyi. [Specialized trucks and automobile trains] Spetsializirovannye avtomobili i avtopoezda. Moskva, Izd-vo "Mashinostroenie," 1964. 213 p.

AUTOMOBILE TRAINS—COLD WEATHER OPERATION

An automobile train moves in winter. V. Ivanov. Tekh.i vooruzh. no.1:47-49 Ja '64.

AUTOMOBILES—ENGINES

Investigating the reliability of the M-21 engine. F.N. Avdon'kin. Avt.prom. 30 no.3:8-11 Mr '64.

AUTOMOBILES—FUEL CONSUMPTION

Konev, B.F. [How to save gasoline in the operation of automobiles] Kak ekonomit' benzin pri ekspluatatsii avtomobilia. Moskva, Transport, 1964. 119 p. (Biblioteka shofera)

AUTOMOBILES—MAINTENANCE AND REPAIR

Gurman, V.S. [Hydroriveting in the repair of automobile frames] Gidroklepka pri remonte avtomobil'nykh ram. Moskva, Izd-vo "Transport," 1964. 30 p.

Kutikov, G.S. [Automobile maintenance] Tekhnicheskoe obsluzhivanie avtomobilei. Izd.2., perer. Moskva, Izd-vo "Transport," 1964. 61 p. (Nauchno-populiarnaia biblioteka avtomobilista)

Months and kilometers. M. Kordunskii. Tekh.i vooruzh. no.1:51 Ja '64.

AUTOMOBILES—SAFETY APPLIANCES

New methods for manufacturing sun visors. IA.M. Vaisman. Avt.prom. 30 no.3:41-42 Mr '64.

AUTOMOBILES—STARTING DEVICES

Special features in the design of automobile and tractor starter motors. N.Z. Mastiaev. Trudy MEI no.39:257-274 '62.

AUTOMOBILES—STEERING GEAR

Lysov, M.I. [Steering gear on automobiles] Rulevye upravleniia avtomobilei. Moskva, Izd-vo "Mashinostroenie," 1964. 245 p.

AUTOMOBILES—TIRES

Gordon, R.K. [Safety manual for a tire repair worker] Pamiatka shinomontazhniku. Moskva, Transport, 1964. 25 p. (Tekhnika bezopasnosti na avtotransporte)

AUTOMOBILES—TRAILERS

New field trailer. M.O. Brodianskii, B.N. Kraiz. Stroi. i dor.mash. 9 no.3:5-6 Mr '64.

AUTOMOBILES—WHEELS

Selecting optimum angles for the alignment of rear wheels of the "Zaporozhets" automobile by testing on a stand with running drums. M.I. Lur'ev, V.V. Aleshin. Avt.prom. 30 no.3:33-34 Mr '64.

AUTOMOBILES, RENTAL—LAWS AND LEGISLATION

Contract of hiring passenger cars. N.G. Katanian. Uch.zap.VIIUN no.17:118-154 '63.

AUTORADIOGRAPHY

Autoradiographic study of the distribution of Bengal Rose tagged with iodine-131 in health and in the obstruction of bile ducts. S.B. Karimova. Trudy Inst. kraev.eksper.med. no.5:110-125 '63.

AUXILIARY POLICE

[The public in the fight against legal offenses] Obshchestvennost' v bor'be s pravonarusheniiami. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 166 p.

AVALANCHES
(see also subdivision under Issyk Valley)

"Glaciers, firns and avalanches in the Soviet Union" by G.K. Tushinskii. Reviewed by IU.G. Saushkin. Vest.Mosk.un.Ser.5: Geog. 19 no.3:101 My-Je '64.

AVVAKUM, PROTOPOPE, 1621-1682

Session on early Russian literature devoted to the works of Avvakum. P. Vainshenker. Izv.AN SSSR.Ser.lit.i iaz. 22 no.6:555 N-D '63.

AXOLOTLS

Dynamics of changes in the nucleic acid content following X-ray irradiation, suppression and restoration of the regeneration ability in the extremities of axolotls. N.A. Teplits. Dokl.AN SSSR 156 no.5:1207-1209 Je '64.

AZABICYCLOOCTANE—THERAPEUTIC USE

Treatment of hypertension with camphonium. Sov.med. 27 no.10:97-100 O '63.

AZARKHIN, RODION

Virtuoso bass fiddler. B. Dobrokhotov. Sov.muz. 27 no.12:78-79 D '63.

AZERBAIJAN—AGRICULTURAL MACHINERY

Effect of technological progress on the raising of the cultural and technological standard of agricultural workers. I.A. Veliev. Izv.AN Azerb.SSR.Ser. obshchestv.nauk no.6:73-81 '63.

AZERBAIJAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Effect of technological progress on the raising of the cultural and technological standard of agricultural workers. I.A. Veliev. Izv.AN Azerb.SSR.Ser. obshchestv.nauk no.6:73-81 '63.

AZERBAIJAN—ALFALFA

Intensiveness and microbiological characteristics of the decomposition of alfalfa roots in some soils of the Azerbaijan S.S.R. S.A. Aliev, M.A. Gadzhieva. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:37-43 '64.

AZERBAIJAN—BARBERRIES

Morphological and biological study of Berberidaceae Report No.1: Bongardia chrysogonum (L.) Boiss. F.V. Kagramanova. Izv.AN Azerb.SSR.Ser.biol.i nauk no.1:3-14 '64.

AZERBAIJAN—BIRDS

Winter population of birds in the alpine forest zone of northern Azerbaijan. N.N. Drozdov. Ornitologiia no.6:246-252 '63.

AZERBAIJAN—BIRDS—GEOGRAPHICAL DISTRIBUTI

Distribution and structure of the roadside population birds in semideserts. N.N. Drozdov. Ornitologiia no.6:216-221 '63.

AZERBAIJAN—BULLS

Shower bath as an important factor in stimulating sexual activity of herd bulls in summer. A.A. Alie I.M. Musaev. Dokl.AN Azerb.SSR 20 no.3:67-70 '64.

AZERBAIJAN—CHEMICAL INDUSTRIES

Chemistry in the service of the people. G.T. Guseino Izv.AN Azerb.SSR.Ser.obshchestv.nauk no.1:3-6

AZERBAIJAN—CHERNOZEM SOILS

Agricultural characteristics of the fertility of mounta Chernozem soils in the forest-steppe and steppe zon of the Greater Caucasus within the Azerbaijan S.S.R. G.A. Salaev. Izv.AN Azerb.SSR.Ser.biol.i med. nauk no.1:51-57 '64.

AZERBAIJAN—CHESTNUT—DISEASES AND PESTS

Biology of the fungus causing cylindrosporiosis of che nuts. T.M. Akhundov. Izv.AN Azerb.SSR.Ser.biol. med.nauk no.2:17-23 '62.

AZERBAIJAN—COLLECTIVE FARMS

Novruzov, T.A. [Labor exploits of the collective farm peasantry of Azerbaijan during the Great Patriotic Wa 1941-1945] Trudovye podvigi kolkhoznogo krest'ianstva Azerbaidzhana v period Velikoi Otechestvennoi voiny (1941-1945 gg.) Baku, Izd-vo Akad. nauk Azerbaidzha skoi SSR, 1963. 101 p.

AZERBAIJAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Guseinov, A.A. [Along the Leninist path toward industrialization; struggle of the Communist Party for the creation and development of new industrial centers in the Azerbaijan S.S.R.] Po leninskomu puti industrializatsii; bor'ba Kommunisticheskoi partii za sozdanie i razvitie novykh industrial'nykh tsentrov v Azerbaidzhanskoi SSR. Baku, Azerneshr, 1964. 195 p.

AZERBAIJAN—COMRADES COURTS

To punish? No, to help! S. Miniukov. Sov.profsoiuzy 20 no.11:16-19 Je '64.

AZERBAIJAN—COTTON GROWING

Effect of the development conditions on raw cotton yields and the technological properties of fibers. K.N. Aleskerov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:33-44 '62.

AZERBAIJAN—COTTON GROWING—LABOR PRODUCTIVITY

Economic analysis of the dynamics and present-day level of labor productivity in cotton growing on the state farms of Azerbaijan. Z.A. Samedzade. Izv.AN Azerb. SSR.Ser.obshchestv.nauk no.1:7-10 '64.

AZERBAIJAN—COTTON TRADE

Exploitation of the cotton growing peasants by the usurious commercial and industrial capital in the prerevolutionary Azerbaijan. A.A. Umaev. Izv.AN Azerb.SSR. Ser.obshchestv.nauk no.1:67-75 '64.

AZERBAIJAN—CYLINDROSPORIUM

Biology of the fungus causing cylindrosporiosis of chestnuts. T.M. Akhundov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:17-23 '62.

AZERBAIJAN—DESCRIPTION

Mamedov, Dzhalal. [The Azerbaijan Soviet Socialist Republic] Azerbaidzhanskaia Sovetskaia Sotsialisticheskaia Respublika. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 63 p.

AZERBAIJAN—ECONOMIC CONDITIONS

Fraternal peoples. Kh. Vezirov. Agitator no.9:11-14 My '64.

AZERBAIJAN—EDUCATION

Number and composition of the students in the Russian educational institutions in Azerbaijan from the 1840's to the 1850's. N.A. Tairzade. Izv.AN Azerb.SSR.Ser. obshchestv.nauk no.1:43-56 '64.

AZERBAIJAN—ELM

Wood of Azerbaijanian forest elms (Ulmus) in connection with their ecology. Z.A. Novruzova. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:0-15 '62.

AZERBAIJAN—EROSION

Effect of wood cutting for general use on soil erosion and natural reforestation. Kh. M. Mustafaev, G. M. Bairamov. Dokl. AN Azerb. SSR 20 no. 2:59-62 '64.

AZERBAIJAN—ETHNOLOGY

Materials on the ethnography of Azerbaijan in the writings of A. A. Bestuzhev-Marlinskii. E. A. Kerimov. Dokl. AN Azerb. SSR 20 no. 2:85-87 '64.

AZERBAIJAN—FOREST SOILS

Effect of soil types on the yield of hornbeam forests in the Greater Caucasus (Ismailly and Agdash) within the Azerbaijan S. S. R. R. G. Giul'mamedov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:45-50 '64.

AZERBAIJAN—FORESTS AND FORESTRY

Effect of wood cutting for general use on soil erosion and natural reforestation. Kh. M. Mustafaev, G. M. Bairamov. Dokl. AN Azerb. SSR 20 no. 2:59-62 '64.

AZERBAIJAN—GEOLOGY, STRATIGRAPHIC

Shikhalibeili, E. Sh. [Geology and the history of the tectonic development of the eastern part of the Lesser Caucasus (within the borders of Azerbaijan] Geologicheskoe stroenie i istoriia tektonicheskogo razvitiia vostochnoi chasti Malogo Kavkaza (v predelakh Azerbaidzhana). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.

Vol. 1. [Stratigraphy of Mesozoic sediments] Stratigrafiia mezokainozoiskikh otlozhenii. 1964. 304 p. diagr. (insert)

AZERBAIJAN—GEOLOGY, STRUCTURAL

Recent seismological prospecting data on the tectonics of the Zhdanov region in western Azerbaijan. G.G. Tumikian, S.G.Ibragimova. Geol.nefti i gaza 8 no.4: 49-52 Ap '64.

AZERBAIJAN—GOLD ORES

Gold potential of Tertiary intrusions in Azerbaijan. N.E. Gukhman. Zakonom.razm.polezn.iskop. 7:364-366 '64.

AZERBAIJAN—HISTORY

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut literatury i iazyka. [Great friendship of the Azerbaijani and Russian peoples from early times to our days; documents, letters, articles, recollections, literary works] Velikaia druzhba azerbaidzhanskogo i russkogo narodov (s drevnikh vremen do nashikh dnei); dokumenty, pis'ma, stat'i, vospominaniia, khudozhestvennye proizvedeniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.

Book 1. 1964. 416 p.

Fraternal peoples. Kh. Vezirov. Agitator no. 9:11-14 My '64.

AZERBAIJAN—HORNBEAM

Effect of soil types on the yield of hornbeam forests in the Greater Caucasus (Ismailly and Agdash) within the Azerbaijan S. S. R. R. G. Giul'mamedov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:45-50 '64.

AZERBAIJAN—HUMUS

Intensiveness and microbiological characteristics of the decomposition of alfalfa roots in some soils of the Azerbaijan S. S. R. S. A. Aliev, M. A. Gadzhieva. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:37-43 '64.

AZERBAIJAN—IDOLS AND IMAGES

Faience statuettes from the Orenkala ancient site. F. Ibragimov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 1:119-123 '64.

AZERBAIJAN—INDUSTRIES

Guseinov, A. A. [Along the Leninist path toward industrialization; struggle of the Communist Party for the creation and development of new industrial centers in the Azerbaijan S. S. R.] Po leninskomu puti industrializatsii; bor'ba Kommunisticheskoi partii za sozdanie i razvitie novykh industrial'nykh tsentrov v Azerbaidzhanskoi SSR. Baku, Azerneshr, 1964. 105 p.

AZERBAIJAN—MACHINERY INDUSTRY

Efforts to master the production of new kinds of equipment in the machine building enterprises of Azerbaijan, 1946-1950 [in Azerbaijani with summary in Russian]. N. A. Saniev. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:3-11 '63.

AZERBAIJAN—MAPS

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut geografii. [Atlas of the Azerbaijan Soviet Socialist Republic] Atlas Azerbaidzhanskoi Sovetskoi Sotsialisticheskoi Respubliki. Baku, Glav. upr. geodez. i kartografii Gos. geol. kom-ta SSSR, 1963. 213 p. maps.

A comprehensive atlas of the Azerbaijan S. S. R. Z. I. Martynova, A. A. Mints. Izv. AN SSSR. Ser. geog. no. 3: 119-123 '64.

AZERBAIJAN—MINERALS

New minerals of the Paragachayskoye deposit. Z. M. Mamedov, G. Kh. Efendiev. Dokl. AN Azerb. SSR 19 no. 10:35-38 '63.

AZERBAIJAN—MOTHERWORT

Study of the chemical composition of motherwort in Azerbaijan. F.A.Arustamova. Izv.AN Arm.SSR.Biol. nauki 15 no.5:77-82 My '62.

AZERBAIJAN—MULBERRY

Natural polyploidy in fruit mulberry and its role in breeding. I.K.Abdullaev. Dokl.AN Azerb.SSR 19 no.10:79-83 '63.

AZERBAIJAN—MULBERRY—VARIETIES

New data on the biology and seed reproduction of the highly polyploidic "Khar-tut" mulberry (Morus nigra L.). I.K.Abdullaev, N.A.Dzhafarov. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:25-32 '62.

AZERBAIJAN—MULBERRY BREEDING

Some results of developing new mulberry varieties in Azerbaijan. I. K. Abdullaev. Agrobiologiia no. 2: 199-204 Mr-Ap '64.

AZERBAIJAN—OIL WELL LOGGING, ACOUSTICAL

Recent seismological prospecting date on the tectonics of the Zhdanov region in western Azerbaijan. G.G. Tumikian, S.G.Ibragimova. Geol.nefti i gaza 8 no.4: 49-52 Ap '64.

AZERBAIJAN—ORE DEPOSITS

Structural characteristics of the Mekhmana ore zone and the stages of ore formation. L.V.Zaitseva, R.Kh. Rafalibeili. Zakonom.razm.polezn.iskop. 7:363-364 '64.

AZERBAIJAN—ORE DEPOSITS—MAPS

Metallogenetic forecasting map of Azerbaijan. R.N. Abdullaev, G.I.Kerimov. Zakonom.razm.polezn.iskop. 7:347 '64.

AZERBAIJAN—ORIENTAL STUDIES

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut vostokovedeniia. [Oriental studies in Soviet Azerbaijan] Vostokovedenie v Sovetskom Azerbaidzhane. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 46 p.

AZERBAIJAN—PARASITES—CATS

Helminths of the wild representatives of the cat family (Felidae) in Azerbaijan. I.A.Sadykhov. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:59-61 '62.

AZERBAIJAN—PARASITES—HERODIONES

Fauna and ecology of the trematodes of birds of the order Herodiones in the Lenkoran' zone and the Kura-Aras Lowland in Azerbaijan. N.A.Feizullaev. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:45-58 '62.

AZERBAIJAN—PETROLEUM CHEMICALS

Economic effectiveness of the utilization of the hydrocarbon raw materials for the development of petroleum chemistry in Azerbaijan. R.M.Treneva. Izv.AN Azerb.SSR.Ser.obshchestv.nauk no.1:21-30 '64.

AZERBAIJAN—PLANTS, EFFECT OF MICROBIAL METABOLITES ON

Effect of metabolites of some soil micro-organisms, isolated from the soils of Azerbaijan, on the growth and development of plants. R.M.Ibragimova. Izv.AN Arm.SSR.Biol.nauki 17 no.4:43-47 Ap '64.

AZERBAIJAN—PLOWS

Some plowing equipment of Lenkoran, Lerik and Astara Districts; at the end of the 19th and the beginning of the 20th century. A.A.Izmailova. Dokl.AN Azerb.SSR 20 no.2:81-84 '64.

AZERBAIJAN—PYRITES

Hydrothermal and metasomatic changes of ore-enclosing rocks in the pyrite deposits of Azerbaijan. V.N.Aliev. Zakonom.razm.polezn.iskop. 7:362-363 '64.

AZERBAIJAN—RELATIONS (GENERAL) WITH RUSSIA

A new stage of Russo-Azerbaijani literary relations in the 19th century [in Azerbaijani with summary in Russian]. Shikhali Kurbanov. Izv.AN Azerb.SSR. Ser.obshchestv.nauk no.6:27-37 '63.

AZERBAIJAN—ROCKS

Hydrothermal and metasomatic changes of ore-enclosing rocks in the pyrite deposits of Azerbaijan. V.N.Aliev. Zakonom.razm.polezn.iskop. 7:362-363 '64.

AZERBAIJAN—SALINE AND ALKALI SOILS

All-Union Scientific-Technological Conference on the Problems of Controlling the Salinization and Improving the Meliorative State of the Irrigated Lands in Central Asia, Southern Kazakhstan, and Azerbaijan. IA.K. Shtarev, L.B.Levanovskii. Gidr.i mel. 16 no.5:60-61 My '64.

AZERBAIJAN—SHEEP—ANATOMY

Age-conditioned changes in the meat and fat productivity of Karadolakh sheep on the seasonal pastures of Azerbaijan. A.S.Ismailov. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:63-66 '62.

AZERBAIJAN—SOIL MICRO-ORGANISMS

Intensiveness and microbiological characteristics of the decomposition of alfalfa roots in some soils of the Azerbaijan S.S.R. S.A.Aliev, M.A.Gadzhieva. Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.1:37-43 '64.

AZERBAIJAN—STATISTICS

Azerbaijan. TSentral'noe statisticheskoe upravlenie. [National economy of the Azerbaijan S. S. R. in 1962; statistical abstract] Narodnoe khoziaistvo Azerbaidzhanskoi SSR v 1962 godu; statisticheskii sbornik. Baku, Gosstatizdat, 1963. 254 p.

AZERBAIJAN—STUDENTS' SOCIETIES

Archival materials on the society "Imdadiie." Z.B. Getushev. Dokl.AN Azerb.SSR 19 no.10:93-99 '63.

AZERBAIJAN—TREMATODA

Fauna and ecology of the trematodes of birds of the orde Herodiones in the Lenkoran' zone and the Kura-Aras Lowland in Azerbaijan. N.A.Feizullaev. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.2:45-58 '62.

AZERBAIJAN—VOCATIONAL EDUCATION

Schools of Azerbaijan in the new upsurge. M. Agaev. Prof.-tekh.obr. 21 no.5:3-4 My '64.

AZERBAIJAN—WHEAT—VARIETIES

Varieties of wheat of the species Triticum turgidum L. in Azerbaijan. S.K.Guseinova. Dokl.AN Azerb.SSR 19 no.10:89-92 '63.

AZERBAIJAN—WORMS, INTESTINAL AND PARASITIC

Helminths of the wild representatives of the cat family (Felidae) in Azerbaijan. I.A.Sadykhov. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.2:59-61 '62.

AZERBAIJANI LANGUAGE

Khachatur Abovian and the Azerbaijani language. B. M. Ovakimian. Izv. AN Arm. SSR. Obshchestv. nauki no. 4: 61 Ap '64.

AZERBAIJANI LANGUAGE—NUMBER

Some words expressing quantity in the written document of the Azerbaijani language [in Azerbaijani with summary in Russian]. A. Alizade. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:39-49 '63.

AZERBAIJANI LANGUAGE—WORDS

Some words expressing quantity in the written document of the Azerbaijani language [in Azerbaijani with summary in Russian]. A. Alizade. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:39-49 '63.

AZERBAIJANI LITERATURE—HISTORY AND CRITICISM

A new stage of Russo-Azerbaijani literary relations in the 19th century [in Azerbaijani with summary in Russian]. Shikhali Kurbanov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:27-37 '63.

AZERBAIJANI POETRY—HISTORY AND CRITICISM

Modern trends in Abdulla Goran's poetry. G. G. Alyshanov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 1:57-65 '64.

AZIDES, EFFECT OF RADIATION ON

Thermal decomposition of silver azides and barium azid at the instant of irradiation by X-rays. V. V. Boldyrev, A. I. Skorik. Dokl. AN SSSR 156 no. 5:1143-1146 Je '64.

AZIMUTH

Field movement following the azimuth. N. D. Nikitin. Mat. Otd. ucheb. geog. Geog. ob-va SSSR no. 2:23-34 '63.

AZO COMPOUNDS

Synthesis of nitrogen derivatives of phenoxyacetic acid. Report No. 1: Azophenoxyacetic acids. L. F. Shpeier, M. E. Pavlovskaia. Ukr. khim. zhur. 30 no. 1:63-65 '64.

AZO DYES

Acid monoazo dyes with a polysulfonamide azo constitue IA. P. Berkman, M. P. Romashkin. Dokl. LPI 5 no. 1/ 176-181 '63.

Preparation in insoluble (in water) arylides of 2, 3-hydroxynaphthoic acid containing sulfonamide bonds. M. P. Romashkin. Dokl. LPI 5 no. 1/2:182-187 '63.

AZOTOBACTER

(see also subdivision under Armenia)

Fungistatic action of Azotobacter chroococcum. V. G. Mar'enko. Dokl. TSKHA no. 84:301-306 '63.

Nitrogen composition of the bleeding sap of corn plants bacterized with Azotobacter strains of various effectiv ness. V. K. Shil'nikova. Dokl. TSKHA no. 84:280-286 '63.

AZOV, SEA OF—ANCHOVIES

Feeding habits of anchovies and herring under conditions of the new regimen of the Sea of Azov. V. P. Kornilova. Trudy AzNIIRKH 1 no. 1:361-379 '60.

AZOV, SEA OF—BENTHOS

Annual and seasonal dynamics of benthos in the Sea of Azov. I. N. Stark. Trudy AzNIIRKH 1 no. 1:167-229 '60.

AZOV, SEA OF—COBALT

Cobalt content of water in the Black Sea and the Sea of Azov. L. I. Rozhanskaia. Trudy SBS 16:467-471 '63.

[illegible] 1964

AZOV, SEA OF—FISHES—FOOD

[illegible] of [illegible] and their food [illegible] AzNIIRKH 1 no.1 [illegible]

[illegible] feeding under conditions [illegible] Azov. V. P. Ko[illegible] [illegible] no.1 [illegible] '60

[illegible] and the utilization of the food [illegible] A. Ko[illegible]henko. [illegible] no.1 [illegible] '60

AZOV, SEA OF—FISHES—PHYSIOLOGY

[illegible] intraspecific [illegible] the Black Sea and the Sea of [illegible] Dokl AN SSSR 156 no.5 1189- [illegible]

AZOV, SEA OF—FISHING NETS

[illegible] for gobies. V. A [illegible] AzNIIRKH 1 no.1 447-454 '60.

AZOV, SEA OF—GOBIES

[illegible] and the utilization of the food [illegible] V. A. Kostiuchenko. [illegible] AzNIIRKH 1 no.1 331-360 '60

AZOV, SEA OF—HERRING

[illegible] of [illegible] and herring under conditions [illegible] in the Sea of Azov. V. P. Kornilova [illegible] AzNIIRKH 1 [illegible] 1 [illegible] 1-379 '60

AZOV, SEA OF—HYDROLOGY

Hydrological regimen of the Sea of Azov in 1951-1957 and its effect on some chemical and biological processes. M. F. Spichak. Trudy AzNIIRKH 1 no.1 115-142 '60

AZOV, SEA OF—MARINE SEDIMENTS

Bottom sediments in the northern part of the Sea of Azov. K. P. [illegible] Trudy Inst. okean. 68 166-195 '61

AZOV, SEA OF—OCEANOGRAPHY

[illegible] in the Sea of Azov. P. Shapovalov, [illegible] Mor. flot 24 no.3 35 Mr '64.

AZOV, SEA OF—PHYTOPLANKTON

Qualitative composition of phytoplankton in the Sea of Azov. G. K. Pitsyk. Trudy SBS 16 71-89 '63

AZOV, SEA OF—WATER—ANALYSIS

TSurikova, A. P., and E. F. Shul'gina. [Hydrochemistry of the Sea of Azov] Gidrokhimiia Azovskogo moria. Leningrad, Gidrometeoizdat, 1964. 257 p.

AZOV, SEA OF—ZOOPLANKTON

[illegible] of zooplankton in the Sea of Azov in 1957. A. N. [illegible]falova. Trudy AzNIIRKH 1 no.1 143-166 '60.

AZOV SEA REGION—ARSENIC

Realgar and some characteristics of the distribution of arsenic in the ore-bearing formation in the Azov and Kerch deposits. A. U. Litvinenko, V. T. Pogrebnoi. Lit. i pol. iskop. no.2 149-152 Mr-Ap '64.

AZOV SEA REGION—REALGAR

Realgar and some characteristics of the distribution of arsenic in the ore-bearing formation in the Azov and Kerch deposits. A. U. Litvinenko, V. T. Pogrebnoi. Lit. i pol. iskop. no.2 149-152 Mr-Ap '64.

AZOV SEA REGION—RUNOFF

Effect of the changing flow of rivers and the regimen of the Sea of Azov on its commercial fishes and their food supply. A. I. Karpevich. Trudy AzNIIRKH 1 no.1,3-114 '60

Hydrological regimen of the Sea of Azov in 1951-1957 and its effect on some chemical and biological processes. M. F. Spichak. Trudy AzNIIRKH 1 no.1 115-142 '60

AZOV SEA REGION—ZOOPLANKTON

Zooplankton of the lower Don River, its reservoirs and the eastern part of the Gulf of Taganrog during the years following streamflow regulation. M. S. Sheinin. Trudy AzNIIRKH 1 no.1 231-258 '60

AZULENECARBOXYLIC ACID

Condensation of azulenes with carboxylic acid anhydrides. F. N. Stepanov, A. G. IUrchenko. Zhur. ob. khim. 34 no.3:901-907 Mr '64.

BABBITT METAL

Economy in the use of high-tin babbitt. A. I. Obrubko. Sudostroenie 30 no.5:54 My '64

BABBITT METAL—ANALYSIS

Effect of lithium on the properties of calcium babbitt. V. A. Dvoskina. Trudy TSNII MPS no. 277:61-71 '64.

BABEL, ZINOVIEM

Acquaintance with a singer. Anatolii Orfenov. Sov. muz. 27 no.12:77-78 D '63.

biologiia no.2 205-210 Mr-Ap '64

BACTERIA, AEROBIC—CULTURES AND CULTURE MEDIA

Effect of the conditions of cultivation on the nature of the utilization of formic acid by Bacterium formicum. V. N. Shaposhnikov, Zh. K. Lorina. Dokl. AN SSSR 156 no.5 1201-1203 Je '64

BACTERIA, ANAEROBIC

Experimental study of the immunogenic properties of combined anaerobic toxoids. Report No. 5: Immunogenic properties of combined polytoxoid in primary immunization of animals. G. V. Vygodchikov and others. Zhur. mikrobiol., epid. i immun. 40 no.10 51-58 O '63.

BACTERIA, EFFECT OF DRUGS ON see Micro-organisms, Effect of drugs on

BACTERIA, PATHOGENIC

Lipolytic activity of some pathogenic microbes. V. I. Rykova, I. V. Domaradskii. Zhur. mikrobiol., epid. i immun. 40 no.5 14-17 My '63.

BACTERIA, PHYTOPATHOGENIC see subdivision under Ukraine

BACTERIA, SULFUR

(see also subdivision under Ladoga Lake region)

Determination of the sources of contamination with sulfate-reducing bacteria of oil bearing layers D₁ of the Romashkino fields. V. A. Kuznetsova, A. D. Li, N. N. Tiforova. Mikrobiologiia 32 no.4 683-688 Jl-Ag '63

Role of the microbiological factor in the increase of the corrosive aggressiveness of mine waters of the Kizel coal basin [with summary in English]. V. V. Smirnov. Mikrobiologiia 32 no.4:695-699 Jl-Ag '63

BACTERICIDES

Effect of essential oils and their individual components on various microbe groups. Report No. 1: Investigation of the antibacterial and protistocidal properties of some essential oils and their individual components. O. V. Chaiko, IU. H. Borysiuk, IU. H. Pavlots'ka. Farmatsev. zhur. 15 no.5 51-58 '60.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Consumption of carbohydrates and nitrogen compounds by paratyphoid B bacteria. N. I. Kovaleva, A. P. Kuz'mina. Zhur. mikrobiol., epid. i immun. 40 no.6 95-99 Je '63

Effect of external factors on the mutants of Aspergillus niger [with summary in English]. A. A. Imshenetskii, L. I. Solntseva, N. F. Kuranova. Mikrobiologiia 32 no.4:616-622 Jl-Ag '63

Submerged cultivation of acetic acid bacteria under different aeration conditions [with summary in English]. Allan and others. Mikrobiologiia 32 no.4:703-710 Jl-Ag '63.

BACTERIOLOGY—EQUIPMENT AND SUPPLIES

Systems of automatic temperature regulation [with summary in English]. V. N. Chernov, V. P. Drevush, I. F. Van'shev. Mikrobiologiia 32 no.4:727-731 Jl-Ag '63

BACTERIOPHAGE

Action of specific bacteriophage on enteropathogenic Escherichia coli O111:B4 in the organism of white mice. R. I. Zakharova. Zhur. mikrobiol., epid. i immun. 40 no.6:108-113 Je '63.

Comparative study of the effect of specific actinophages of different virulence on Actinomyces erythreous [with summary in English]. IA. I. Rautenshtein, V. I. Retinskaia. Mikrobiologiia 32 no.4 642-649 Jl-Ag '63

Concentration and purification of phages by the method of column chromatography [with summary in English]. T. I. Tikhonenko, IA. Koudelka, Z. I. Borishpolets. Mikrobiologiia 32 no.4:723-726 Jl-Ag '63.

Differentiation of colicin and latent phage in experiments with Escherichia coli. V. G. Petrovskaia, Shi Dian Chen [Shih T'ien-ch'êng]. Zhur. mikrobiol., epid. i immun. 40 no.5:90-94 My '63

Fate of plague bacteriophage in the organism of healthy and plague-infected greater gerbils and the possible passage of its transmission under experimental conditions. I. L. Martinevskii and others. Zhur. mikrobiol., epid. i immun. 40 no.5:31-34 My '63

Infection of lysozyme spheroplasts by DNA isolated from the ØX174 phage. B. N. Il'iashenko. Vop. virus. no.6 667-676 N-D '63.

Isolation of symbiotic typhoid phages and some of their properties. R. I. Pikovskaia, M. G. Gelashvili. Zhur. mikrobiol., epid. i immun. 40 no.6:91-95 Je '63.

Methods for isolating actinophages from the soil [with summary in English]. E. A. Daulbaev. Mikrobiologiia 32 no.4:650-654 Jl-Ag '63.

Molecular state of DNA of the T-2 bacteriophage in the process of its intracellular development. S. E. Bresler and others. Dokl. AN SSSR 156 no.4:947-950 Je '64.

Reviews, criticism and bibliography. Zhur. mikrobiol., epid. i immun. 40 no.10:152-156 O '63.

[illegible]

Study of the reproduction of the phage T_1 in X-ray irradiated cells of Escherichia coli B. R. A. Ter-Pogosian, A. T. Ter-Avetisian. Vop. radiobiol. [AN Arm. SSR] 3/4:71-76 '63.

BADGERS see subdivision under Kazakhstan

BADKHYZ STEPPE—PHYTOGEOGRAPHY

Geographical characteristics of the vegetation cover of the Badkhyz. O. A. Mikhel'son. Trudy Turk. geog. ob-va no.1 111-147 '58

BADMINTON (GAME)

Ksenin, A. D. [Shuttlecock] Porkhaiushchii miach. Moskva, Fizkul'tura i sport, 1964. 59 p. (Sport - detiam)

BAGASSE

Change of the order of bagasse distribution to the collective farms. Sakh. prom. 38 no.4 61 Ap '64

BAGRITSKII, EDUARD GEORGIEVICH, 1895-1934

Liubareva, E. P. [Eduard Bagritskii; his life and work] Eduard Bagritskii; zhizn' i tvorchestvo. Moskva, Sovetskii pisatel', 1964. 242 p.

BAIKAL, LAKE—BIRDS

Let's preserve the bird colonies of Lake Baikal. O. K. Gusev. Priroda 53 no.6 [illegible]-80 '64.

BAIKAL, LAKE—HYDROBIOLOGY

Biolimnological characteristics of northern Lake Baikal. [illegible] Votintsev, G. I. Popovskaia. Dokl. AN SSSR 156 no.5:1193-1196 Je '64

BAIKAL LAKE REGION—BIRDS—MIGRATION

Periodic migrations of woodcock in the Baikal Lake region. S. K. Ustinov. Ornitologiia no.6 [illegible] '63

BAIKAL LAKE REGION—BLACK DUCK

Expansion of the range of black duck Anas poecilorhyncha zonorhyncha in the Baikal Lake region. N. G. Skriabin. Ornitologiia no.6 481 [illegible] '63.

BAIKAL LAKE REGION—SHALE

Investigating the treatment and processing of disthene and disthene-chloritoid shales of the Lake Baikal region for the recovery of alumina. I. K. Skobeev, N. V. Po[illegible]pov. Nauch. trudy IrGI no.10 [illegible] '63.

BAIKAL LAKE REGION—WOODCOCK

Periodic migrations of woodcock in the Baikal Lake region. S. K. Ustinov. Ornitologiia no.6 [illegible] '63

BAKERIES

(see also subdivision under Dzerzhinsk, White Russia; Moldavia; Novosibirsk)

Competition for communist labor in the enterprises of the bakery and confectionery industry. A. S. [illegible] Khleb. i kond. prom. 7 no.12 [illegible] D '63.

Kornilov, D. M., and N. K. Makarov. [Economics, organization and planning of bakeries] Ekonomika, organizatsiia i planirovanie khlebopekarnogo proizvodstva. Moskva, Izd-vo TSentrosoiuza, 1963. 103 p.

Save every gram of flour, don't tolerate losses! [illegible] Moreev. Khleb. i kond. prom. 7 no.12 [illegible] D '63.

BAKERIES—ELECTRIC EQUIPMENT

Redesigned VS-0 time relay. V. S. Pogorelyi. Khleb. i kond. prom. 7 no.12 25-26 D '63

BAKERIES—FINANCE

Socialist capital accumulations (discussion). I. I. [illegible] Khleb. i kond. prom. 7 no.12 22-23 D '63.

BAKHCHISARAY DISTRICT—GEOLOGY, STRATIGRAPHIC

Boundary Eocene and Oligocene layers in Bakhchisaray District and the description of characteristic Anomalinidae. E. K. Shutskaia. Trudy VNIGNI no.[illegible] 174-205 '63.

BAKR OIL FIELD—PROSPECTING—GEOPHYSICAL METHODS

Geophysical methods for the investigation of wells in the United Arab Republic as illustrated by the investigation of the Bakr oil field. Selim Zeidan. Izv. vys. ucheb. zav.; neft' i gaz 6 no.6:19-24 '63.

BAKU—ARTERIOSCLEROSIS

Prevalence of atherosclerosis in Baku. A. A. Dzhabiev. Sov. med. 27 no.10:139-142 O '63.

BAKU—PETROLEUM INDUSTRY—HYGIENIC ASPECTS

Results of three years. V. Miliaev. Okhr. truda i sots. strakh. 7 no.6 19-21 Je '64.

BAKU BAY—PETROLEUM WASTE

Water of Baku Bay as a source of industrial water supply and a reservoir for depositing petroleum refinery waste waters. N. M. Litvishkov. Izv. vys. ucheb. zav.; neft' i gaz 5 no.11 109-111 '62.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BALKAN PENINSULA — [illegible]

[illegible]

BALKAN PENINSULA — [illegible]

[illegible]

BALKAN PENINSULA — [illegible]

[illegible]

[illegible]

[illegible]

BALKHASH LAKE REGION — [illegible]

[illegible]

BALKHASH LAKE REGION — [illegible]

[illegible]

BALKHASH LAKE REGION — [illegible]

[illegible]

BALKHASH LAKE REGION — [illegible]

[illegible]

BALLADS

[illegible]

BALLADS, [illegible]

[illegible]

BALLET [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BALTIC SEA — [illegible]

[illegible]

BALTIC [illegible]

[illegible]

[illegible]

BALTIC STATES — FARM BUILDINGS — DESIGN AND CONSTRUCTION

[illegible]

BALTIC STATES — [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BANKS AND BANKING — [illegible]

[illegible]

BANKS AND BANKING — [illegible]

[illegible]

BANKS AND BANKING — STUDY AND TEACHING [illegible]

BAPTISTS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BAROCHEMIS [illegible]

[illegible]

[illegible]

BARENTS SEA — CLIMATE

[illegible]

BARENTS SEA — FISHERIES

[illegible]

BARENTS SEA — HADDOCK

[illegible]

BARENTS SEA — HERRING

[illegible]

BARENTS SEA — [illegible]

[illegible]

BARENTS SEA — TEMPERATURE

[illegible]

BARITE see subdivision under Altai Mountains

BARIUM

[illegible]

BARIUM CHLORIDE

[illegible]

BARIUM [illegible]

[illegible]

BARK BEETLES

[illegible]

BARLEY

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BARTOL'D, VASILII VLADIMIROVICH, 1869-1930

Abramov, N. M. [V. V. Bartol'd, outstanding Russian orientalist, a biographical study] [illegible] V. V. Bartol'd, [illegible] Tashkent, [illegible] 1963. 115 p.

BASAL METABOLISM

[illegible]

[illegible]

BASALT see subdivision under Ural Mountains

[illegible] letters [illegible] S.A.Gavrilova, Z.F. [illegible] G.M.Petrashova. Vest Mosk un. Ser 2 [illegible] Ap '64

BASHKIRIA—AGRICULTURE

[illegible] skilled people. [illegible] NTO [illegible] '64

BASHKIRIA—BOTANY, ECONOMIC

Baganov, K.Sh., O.I.Ardashova, and V.S.Maksiutov. [Distribution and economic effectiveness of the production of industrial crops in Bashkiria] Razmeshchenie i ekonomicheskaia effektivnost' proizvodstva tekhnicheskikh kul'tur v Bashkirii. Ufa, Bashkirskii filial AN SSSR, 1963 64 p.

BASHKIRIA—HISTORICAL RESEARCH

Studies of the modern and recent history at the Bashkir State University IA V Zaitsev. Nov i noveish ist no 2 191-192 '64

BASHKIRIA—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Results of the operation of bits in experimental wells of small diameter in the Sterlitamak geological office of the West Bashkir Petroleum Prospecting Trust. N.I Shatsov, B A [illegible]iats, I A.Ogolikhin. Trudy MINKHiGP [illegible] 3-27 '64

BASHKIRIA—PETROLEUM GEOLOGY

Change in the basic parameters of the oils of certain fields in the eastern part of the Tatar A.S.S R and western Bashkiria A.I.Zhelonkin, A.R.Kinzikeev, S.Kh Migistova. Geol.nefti i gaza 8 no.3,26-30 Mr '64

BASHKIRIA—PETROLEUM INDUSTRY—FINANCE

Financial service is an important section of an enterprise K Khan [illegible] Fin SSSR 38 no 5 50 My '64

BASHKIRIA—TURBODRILLS

Results of the operation of bits in experimental wells of small diameter in the Sterlitamak geological office of the West Bashkir Petroleum Prospecting Trust. N.I. Shatsov, B.A. Iats, I.A.Ogolikhin. Trudy MINKHiGP 46 3-27 '64

BASHKIRIA—WHEAT—FERTILIZERS AND MANURES

Mineral fertilizers and the drought resistance of spring wheat V K Girfanov, A K Shkurikhina Zemledelie 26 no 2 61-63 F '64

BASKETBALL

[Big basketball] Lielais basketbols. Riga, Latvijas Valsts izd-ba, 1964. 1 v. (chiefly illus.) [In 4 languages]

Vardanian, K.N., and A.A.Lalaian. [Essays on the psychology of basketball] Ocherki po psikhologii basketbola. Moskva, Fizkul'tura i sport, 1964. 76 p.

BAST

Kel'bert, D.L. [Safety measures in mechanizing heavy and labor-consuming work in the cotton and bast industries] Tekhnika bezopasnosti pri mekhanizatsii tiazhelykh i trudoemkikh rabot v khlopkovoi i lubianoi promyshlennosti. Pod obshchei red. F.Kh.Khodzhaeva i V.A.Kuvaldina. Tashkent, Gosizdat Uzbekskoi SSR, 1962. 181 p.

[MICROFILM]

BATASHEV, VIKTOR, 1937-

Three prize-winners. IU.Usov. Sov.muz. 27 no.12:66-67 D '63.

BATHROOMS see subdivision under Moscow

BATHS, MOOR AND MUD see subdivision under Saki (Crimea)

BATS see subdivision under Moldavia

BATTLE Y ORDÓÑEZ, JOSÉ, 1856-1904

Two studies on Batllism. S.S.Mikhailov. Nov.i noveish.ist. no.1:152-157 '64.

BAUXITE

(see also subdivision under Kazakh Hills; Kursk Magnetic Anomaly)

Symposium on bauxites, oxides and hydro-oxides of aluminum. G.I.Bushinskii. Vest.AN SSSR 34 no.5. 127-129 My '64.

BAVLY OIL FIELD—OIL RESERVOIR ENGINEERING

Effect of the density of the well pattern on the nature of the displacement of the oil boundaries as revealed by a study of the Bavly oil field. O I.Dorokhov, M M Maksimov Nauch -tekh.sbor.po dob nefti no 14:30-35 '61.

BEAMS AND GIRDERS

Calculation of a beam lying on a yielding foundation during the presence of a fixed dependence between pressures and settling. A.A Sladkopevtsev. Izv. vys.ucheb.zav.; stroi.i arkhit. 6 no 7:3-8 '63.

[illegible]

Krasheninnikova, G.V. [Calculation of beams with resilient foundations of finite depth] Raschet balok na uprugom osnovanii konechnoi glubiny. Moskva, Izd-vo "Energiia," 1964. 97 p.

Rigidity of prestressed structures with reduced pinching of booms L.I.Iosilevskii. Transp.stroi. 14 no.3: 39-43 Mr '64.

Study of anchoring longitudinal reinforcement on the outer free support of a beam IU.L.Izotov. Izv vys.ucheb. zav , stroi.i arkhit 6 no 7 17-25 '63

Study of the stability of three-dimensional girders by the load correction method L.N.Stavraki, V M.Skriabin Izv.vys ucheb zav , stroi.i arkhit. 6 no.7:9-16 '63

Torsional bending test of thin-walled channel bars in elastoplastic state. O.I.Strel'byts'ka, E.O.Prindko, H I.Yevsyeyenko. Prykl.mekh. 10 no.3;271-282 '64.

BEAN BREEDING see subdivision under Ukraine

BEANS

Mixed sowing of corn with forage beans. F.V.Voronkova. Vest.sel'khoz.nauki 9 no.2:45-48 F '64.

BEANS—DISEASES AND PESTS

(see also subdivision under Ukraine)

Russia (1923- U.S.S.R.) [illegible]

[illegible] main pests and diseases] Rekomendatsii po zashchite gorokha, fasoli i kormovykh bobov ot glavneishikh vreditelei i boleznei. Moskva, [Sel'khozizdat] 1963. 15 p. (DNAL)

BEANS—DRYING

Maximum permissible extent of drying forage bean seeds by heated air. N.V.Serebriakova. Trudy VNIIZ no.47: 123-126 '63.

BEANS—FERTILIZERS AND MANURES

Accumulation of nitrogen by forage beans in mixed sowing with corn as related to the conditions of nutrition M M.Gukova, R.I.Bogomolova Dokl.TSKHA no 84:168-173 '63.

BEANS—HARVESTING

Bean harvesting machinery I.S.Ivanov, G.I.Naumov. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.5.51-52 My '64

BEARING INDUSTRY see subdivision under Kharkov; Saratov

BEARING METALS

Promising antifriction materials for diesel locomotive bearings. N.A.Bushe. Trudy TSNII MPS no.277:5-15 '64.

BEARING METALS—TESTING

Evaluating the properties of bearing alloys operating with various lubricants and cast iron and steel rollers (journals). N.A.Bushe, V.A.Dvoskina, A.N. Toropchinov. Trudy TSNII MPS no.277;16-43 '64.

BEARINGS (MACHINERY)

Calculation of hydraulic axial force acting on the rotor of a hydraulic unit in nonsteady operation. D.V. Gutovskii. Energomashinostroenie 10 no.4:12-14 '64.

Calculation of the mechanism of rotation of a blade with rolling bearings. B.A.Berkman. Energomashinostroenie 10 no.4:44-46 Ap '64.

Dimensional tinning of aluminum alloy bearings. L.S. Vozdvizhenskaia. Trudy TSNII MPS no.277:97-109 '64.

Effect of various factors on the efficiency of main and crankpin bearings on 2D100 diesel locomotives. S.I. Sevast'ianov. Trudy TSNII MPS no.277;44-60 '64.

Fitting in their seats monometallic bushings and aluminum alloy inserts. N.K.Babaev. Trudy TSNII MPS no.277;89-96 '64.

Technology of manufacturing a cast bimetal for heavy-duty bearings. M.E.Semenov. Trudy TSNII MPS no.277;82-88 '64.

BEARINGS (MACHINERY)—TESTING

Development and field tests of the air filter for the main generator of the TE3 diesel locomotive. V.D.Kuz'mich, V.IA.Solodilov. Trudy MIIT no.169:156-160 '63.

Nature of the wear of the lining of motor axle bearings. A.I.Beliaev. Trudy MIIT no.169;161-165 '63.

BECKMANN REARRANGEMENT

Kinetics and mechanism of reactions in concentrated strong acid media. Part 8. M.I.Vinnik, N.G.Zarakhani. Zhur.fiz.khim. 38 no.4:907-915 Ap '64.

BEDBUGS—EXTERMINATION

Bedbug. I.M.Kerzhner. Zashch.rast.ot vred.i bol. 8 no.10:40-41 O '63.

[illegible] changed conditions in training the larvae of honey bees. I.Khalifman. Vest.sel'khoz.nauki 9 no.2. 109-116 F '64.

BEECH

Steaming beech wood. A.V.Zheltvai Bum i der.prom. no.1;53-54 Ja-Mr '64.

BEECH—DISEASES AND PESTS see subdivision under Caucasus

BEEF CATTLE see subdivision under Kazakhstan

BEEF CATTLE—FEEDING AND FEEDS

Corn silage in summer fattening of young cattle. I.L. Semak, N.I.Mosolov, V.IA.Maksakov. Nauch.trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32:9-14 '62.

Using molasses waste in finishing and fattening cattle. I.L.Semak, L.G.Glukhov. Nauch.trudy Nauch.-issl. inst.zhiv.Les.i Pol. 32;33-44 '62.

Using sugar beets during the finishing and fattening of cattle with corn silage. I.L.Semak, N.I.Mosolov. Nauch.trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32: 29-32 '62.

BEETHOVEN, LUDWIG VAN, 1770-1827

Khentova, S.M. [Story about the "Moonlight Sonata"; L.Beethoven's Sonata, Op.27, No.2, and its performers] Rasskaz o "Lunnoi sonate"; sonata L.Betkhovena soch. 27 No.2, i ee ispolniteli. Leningrad, Muzgiz, 1961. 59 p. (Biblioteka muzykal'nogo samoobrazovaniia)

BEETS, SUGAR see Sugar beets

BEIKA, DAVIDS, 1885-1940

Ziemelis, S., and A.Guseva. Davids Beika. Riga, Latvijas Valsts izd-ba, 1963. 230 p. [In Latvian]

BEIRUT—DESCRIPTION

Gaidaenko, I.P. [Havana, Beirut] Gavana, Beirut. [Odessa] Knizhnoe izd-vo, 1963. 135 p.

BEKLEMISHEV, VLADIMIR NIKOLAEVICH, 1890-1962

List of Vladimir Nikolaevich Beklemishev's works. Mat.k pozn.fauny i flory SSSR Otd zool no 39:15-23 '64.

V N Beklemishev, an obituary. A.N.Formozov Mat k pozn.fauny i flory SSSR Otd zool no 39:7-14 '64

Vladimir Nikolaevich Beklemishev as a hydrobiologist. K V.Beklemishev Trudy Gidrobiol ob-va 14 271-279 '63.

BELGOROD-DNESTROVSKIY (ODESSA PROVINCE)—FLOUR MILLS

For communist labor; Alma-Ata Milling Combine; Belgorod-Dnestrovskiy Combine; at the enterprises of the Lvov Grain Products Administration. I.Amerzhanov and others. Muk.-elev.prom. 30 no.5:6-8 My '63.

BELIAEV, BORIS VLADIMIROVICH, 1917-1945

Pil'nik, M.P. [Hero of Kaluga; a sketch] Geroi zemli Kaluzhskoi; ocherk. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1964. 80 p.

BELOGORSK DISTRICT (AMUR PROVINCE)—BUDGET

We are consolidating local budget basis. S.Vasiliuk. Fin.SSSR 38 no.5 61 My '64.

BELOPOL'YE DISTRICT—AGRICULTURE—ACCOUNTING

Council for the aid of accounting and reporting. G.Pugach, V.Shevich. Vest.stat. no.6:50-51 '64.

BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—IRON MINES AND MINING

Stability of the slopes of cave-ins in the Belozerka iron ore deposit. G.I.Chernyi, T.A.Kryzhanovskaia. Nauch.zap.Ukrniiproekta no.10:43-47 '63.

BELTS AND BELTING

Initial tension in belts in transmissions. M.M.Gorelik. Vest.mashinostr. 44 no.5:30-31 My '64.

BENTHOS see subdivision under Aegean Sea; Azov, Sea of; Black Sea; Khrami Reservoir; Mediterranean Sea

BENTONITE see subdivision under Crimea; Ukraine

BENZENE

Concerning the existence of solutropy in the system ethylenediamine - benzene - n-hexane. N.P.Markuzin, V.F.Plekhotkin. Zhur.fiz.khim. 36 no.9:1973-1978 S '62.

Continuous alkylation of benzene with olefins obtained in the thermal cracking of paraffin. E.K.Ivanov, L.A. Potolovskii, A.I.Doladugin. Trudy VNII NP no 9 241-255 '63.

Crystalline structure of paradimethyldiazoaminobenzene. IU.D.Kondrashev. Kristallografiia 9 no.3:403-405 My-Je '64.

Determining the equilibrium constants in the process of complex formation of aminobenzoic and aminooxybenzoic acids and their sodium salts with dinitrobenzenes. N.V. Syrneva, R.M.Fofonova. Izv.vys.ucheb.zav.; fiz. no.2:46-48 '64.

BENZENE (Continued)

Disproportionation of mono-, di-, and triisopropylbenzenes E P. Babin, L.I Maryshkina, Z S Borodina Neftekhimiia 4 no 1-21-25 Ja-F '64

Effect of temperature on the alkylation of benzene with propylene in the presence of $AlCl_2$ H_2PO_4 E P Babin L I Maryshkina Neftekhimiia 4 no 1 26-29 Ja-F '64

Exact measurements of the freezing point of chemically pure benzene. W.W.Swietoslawski. Zhur.fiz.khim. 36 no.9;2087-2089 S '62

Experience in the production of sulfur-free benzol. R.I. Popov and others. Koks i khim no.4;37-40 '64.

Experimental basis for the permissible concentration of ethylbenzene in bodies of water K V. Zubritskii San. okhr. vod. ot zagr. prom stoch. vod no 5-62-77 '62.

Results of testing a 20% combined preparation of dinitrorhodanbenzene made with colloidal sulfur as a fungicide for green plants. M.F.Zubov, M.A.Morozova, K A. Gar. Khim.v sel'.khoz. 2 no.1;21-23 Ja '64.

Separating benzol and toluene from hydrocarbon mixtures using a 13Kh zeolite. M N. Teleshova, R V. Vigalok Nefteper.i neftekhim. no 1 13-15 '64

Use of refrigeration in benzene rectification shops in order to reduce product losses. A.I.Butuzov, S.N. Fainzil'berg. Koks i khim. no.4;41-44 '64.

BENZENE—OPTICAL PROPERTIES

Orientational relaxation times of molecules of certain disubstituted benzenes and their determination by the light diffusion method A, K. Atakhodzhaev, Sh F. Faizullaev, S A Osmanov Izv AN Uz.SSR.Ser fiz.-mat nauk 7 no 6 86-90 '63.

BENZENE DERIVATIVES

Aromatic fluorine derivatives. Part 12. Reaction of fluohalobenzenes with aluminum chloride. G.G. IAkobson, V.D.Shteingarts, G.A.Berezovskii. Zhur. ob.khim. 34 no.3;932-936 Mr '64.

Aromatic fluorine derivatives. Part 13: Hydrolysis of fluohalobenzenes. G.G.IAkobson, T.D.Rubina, N.N. Vorozhtsov, Jr. Zhur.ob.khim. 34 no.3;936-941 Mr '64.

Effect of the structure and polarity of the medium on the rate and mechanism of hydrolysis of aromatic sulfochlorides. R.V.Vizgert, E.K.Savchuk. Dokl.LPI 5 no. 1/2:29-33 '63.

Methods of investigating the kinetics of acid hydrolysis of substituted benzenesulfanilide. N.P. Lushina. Dokl. LPI 5 no. 1/2 37-40 '63.

Separation of ethylbenzene from xylene isomers by continuous "extrasharp" rectification and low temperature crystallization. D.M. Slavinskii, A.F. Kabanov. Khim. prom. no. 10:736-741 O '63.

BENZENEARSONIC ACID

Determination of zirconium in the presence of hafnium by the differential spectrophotometric method with arsenazo III. N.V.Mel'chakova, N.I.Trubetskaia, V.M.Peshkova. Vest.Mosk.un.Ser.2: Khim. 19 no.2;45-49 Mr-Ap '64.

BENZENESULFONIC ACID

Experimental basis for the permissible concentration of chlorophenylchlorobenzene sulfonate in open bodies of water. S.IA. Naishtein and others. San.okhr.vod.ot zagr.prom.stoch.vod. no.5;146-157 '62.

BENZENETHIOL

Synthesis of alkyl thiophenols. A.M.Kuliev, A.B. Kuliev, F.N.Mamedov. Zhur.ob.khim. 34 no.3; 993-995 Mr '64.

BENZILIC ACID

Synthesis of amizil. M.P.Makukha. Farmatsev.zhur. 17 no.6:7-9 '62.

BENZIMIDAZOLE

Benzoxazolylbenzimidazoles and cyanine dyes obtained from them. V.M.Zubarovskii, R.N.Moskaleva, M.P. Bachurina. Ukr.khim.zhur. 30 no.1;80-82 '64.

Derivatives of imidazole. Part 32; Synthesis of 4,5(6,7)-quinones of benzimidazole. E.R.Zakhs, L.S. Efros. Zhur.ob.khim. 34 no.3;956-961 Mr '64.

Derivatives of imidazole. Part 33; Synthesis of 6,7-quinones of benzimidazole. E.R.Zakhs, L.S. Efros. Zhur.ob.khim. 34 no.3;962-969 Mr '64.

Fluorinated polybenzimidazoles. A.IA.IAkubovich and others. Vysokom.soed. 6 no.5;838-842 My '64.

Preparation of polymers by the polycyclization reaction. Part 4: Preparation of mixed polyamidobenzimidazoles based on 3, 3'-diaminobenzidine, hexamethylenediamine, and diphenyl ester of sebacic acid. V.V.Korshak and others. Vysokom.soed. 6 no.5;901-906 My '64.

Stability and compatibility of dibazol in mixtures during prolonged storage. S.L.Voskoboinyk, V.I.Popova. Farmatsev.zhur. 17 no.6;54-57 '62.

Vitamin B_{12} synthesis by Actinomyces olivaceus in a synthetic medium in the presence of 5,6-dimethyl benzimidazole [with summary in English]. V.N. Shaposhnikov, I.V.Konova, A.I.Borisova. Mikrobiologiia 32 no.4;598-602 Jl-Ag '63.

BENZOFURAN

Derivatives of benzofuran Part 11 Synthesis of some amines and ethylenediamines containing a 2-methyl-5-methoxybenzofuryl radical. A.A. Aroian, N.Kh. Khachatrian. Izv.AN Arm.SSR.Khim.nauki 17 no.2: 212-219 '64.

BENZOIC ACID

Anomalous chloromethylation of methyl ester of o-isopropoxybenzoic acid. A A. Aroian and others. Izv.AN Arm.SSR.Khim.nauki 17 no.2;176-183 '64.

Determining the equilibrium constants in the process of complex formation of aminobenzoic and aminooxobenzoic acids and their sodium salts with dinitrobenzenes. N.V. Syrneva, R.M.Fofonova. Izv.vys.ucheb zav., fiz. no 2,46-48 '64.

Relation between the chemical structure and local anesthetic action among some derivatives of p-alkoxy and ethoxy benzoic acids. A.L.Mndzhoian, V.M. Samvelian. Izv.AN Arm.SSR.Biol nauki 16 no.5 3-6 My '63

Studying the properties of a complex compound of copper with rhodanine-3-benzoic acid. I I. Kurnyts'kyi. Farmatsev.zhur 17 no.6:22-25 '62.

BENZOPHENONE

Synthesis of some 2-hydroxy-5-alkoxybenzophenones. N.A.Larin, E.N.Matveeva, T.G.Petrova. Zhur.ob. khim. 34 no.3;864-866 Mr '64.

BENZOPYRENE—PHYSIOLOGICAL EFFECT

Tumors of the forestomach induced in mice by administration of 3,4-benzopyrene. O.G.Prokof'eva. Vop. onk. 8 no.12:46-51 '62.

BENZOPYRENE—TOXICOLOGY

Experimental study of the development of cancerous epithelium in the wall of the rectum [with summary in English]. V.V.Lavrenko. Arkh.anat.,gist.i embr. 44 no.5:84-95 My '63.

BENZOQUINOLINE

New derivatives of benzoquinolines. Part 2: γ-Chloroallyl and γ-chlorocrotyl derivatives of benzo [f] and benzo [h] quinolines. L.V.Giul'budagian and others. Izv.AN Arm.SSR.Khim.nauki 17 no.2;227-229 '64.

BENZOQUINONE

Kinetics of electrochemical oxido-reduction reactions. Part 3. B.I.Tomilov, M.A.Loshkarev. Zhur.fiz. khim. 36 no.9;1902-1908 S '62.

BENZOTHIAZOLE

Derivatives of 2-mercaptobenzothiazole and dithiocarbamic acids. Part 2; Transformations of benzothiazolyl esters of dithiocarbamic acids. O.M.Cherntsov, E.A.Chalykh, E.N.Gur'ianova. Zhur.ob.khim. 34 no.3;952-955 Mr '64.

Synthesis and properties of 2-mercaptobenzothiazole derivatives. Part 3; Benzothiazolyl-2-mercaptoacetic acid. V.M.Svetlaeva, E.A.Kuznetsova, S.V.Zhuravlev. Zhur.ob.khim. 34 no.3;983-986 Mr '64.

BENZOXAZOLINE

Benzoxazolylbenzimidazoles and cyanine dyes obtained from them. V.M.Zubarovskii, R.N.Moskaleva, M.P. Bachurina. Ukr.khim.zhur. 30 no.1;80-82 '64.

BENZOYL PEROXIDE

Effect of the structure of amines on the kinetics of reactions of benzoyl peroxide with amino alcohols. E.R.Sarukhanian, N.M.Beileriian, O.A.Chaltykian. Dokl.AN Arm.SSR 38 no.5:285-288 '64.

Reactions of tetrapropyl- and tetraisopropyltin with benzoyl peroxide. N.S.Viazankin, G.A.Razuvaev, T.N.Brevnova. Zhur.ob.khim. 34 no.3;1005-1009 Mr '64.

BERING SEA—FISHERIES

In the remote Bering Sea. Ryb.khoz. 40 no.1;52-55 '64.

BERING SEA—GULLS

Summer distribution of kittiwakes in the Bering Sea. V.P.Shuntov. Ornitologiia no.6 325-330 '63

BERING SEA—SEAWATER—COMPOSITION

Ivanenkov, V.N. [Hydrochemistry of the Bering Sea] Gidrokhimiia Beringova moria. Moskva, Izd-vo "Nauka," 1964. 136 p.

BERLIOZ, HECTOR, 1803-1869

Obram, V.A. [Hector Berlioz, 1803-1869; a short essay on his life and works] Gektor Berlioz, 1803-1869; kratkii ocherk zhizni i tvorchestva. Leningrad, "Muzyka," 1964. 111 p. (Knizhka dlia iunoshestva)

BERRIES

Some characteristics of the dormancy period in currants and gooseberries as related to freeze injuries. A.S. Ravkin. Agrobiologiia no.2;314-317 Mr-Ap '64.

BERTALANFFY, LUDWIG VON, 1901-

Some principles of L.Bertalanffy's general theory of systems. A.S.Mamzin. Uch.zap.kaf.obshchestv.nauk vuz.g.Len.; Filos. no.5;211-222 '64.

BERYLLIUM—TOXICOLOGY

Akopov, I.A., and others. [Industrial safety in working with beryllium and its alloys] Bezopasnost' truda pri rabote s berilliem i ego splavami. Moskva, Izd-vo "Mashinostroenie," 1964. 106 p.

BERYLLIUM-COPPER ALLOYS see Copper-beryllium alloys

BERYLLIUM CRYSTALS

Thermal etching of beryllium crystals. I.I.Papirov, G.F.Tikhinskii. Kristallografiia 9 no.3;444-447 My-Je '64.

BERYLLIUM ISOTOPES

Rudenko, N.P., and A.I.Sevast'ianov. [Radioactive beryllium isotopes Be^7 and B^{10}. Radioaktivnye izotopy berilliia Be^7 and Be^{10}. Moskva, Atomizdat, 1964. 22 p.

BERYLLIUM PLATING

Electrolytic deposition of beryllium on copper in fused salts. A.I.Anfinogenov, M.V.Smirnov, N.G.Iliushchenko. Trudy Inst.elektrokhim UFAN SSSR no 4;47-53 '63

Structure and phase composition of beryllium coating on copper obtained by the electrolysis of fused salts. A.I. Anfinogenov and others. Trudy Inst.elektrokhim.UFAN SSSR no.4;55-66 '63.

BESHKOV, ANASTAS STOIANOV, 1896-1964

Anastas Stoianov Beshkov, 1896 - 1964. E. Valev and others. Vest.Mosk un.Ser.5: Geog 19 no 3;92-93 My-Je '64.

In memory of Anastas Beshkov, a famous Bulgarian geographer I P.Gerasimov and others Izv AN SSSR Ser.geog no 3 131 '64

BESSARABIA—FOREST ECOLOGY

Oak forest-steppe vegetation in the southern part of the Bessarabian Upland and its relation to the Crimea. V.N.Kononov. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9:127-133 '62.

BESSARABIA—GEOLOGICAL TIME

Age of the Babel'-Dzhurdzhuleshti sediments in southern Bessarabia. R.E.Victorova. Uch.zap.Chern.un. 24. Ser.geol.nauk no.2;140-149 '59

BESSARABIA—GEOLOGY, STRATIGRAPHIC

Presence of the Upper Levantine horizon with the Unio Sturi M.Hoernes in southern Bessarabia. R.E. Viktorova. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2;150-155 '59.

BESSARABIA—LAMELLIBRANCHIATA, FOSSIL

Presence of the Upper Levantine horizon with the Unio Sturi M.Hoernes in southern Bessarabia. R.E. Viktorova. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2;150-155 '59.

BESSEL'S FUNCTIONS

Calculation of a specific integral containing Bessel's function. IU.A.Brukhimovich, IU.V.Pimenov. Zhur.vych.mat.i mat.fiz. 4 no.3;596-599 My-Je '64.

BESSEMER PROCESS

Comparing the technical and economic indices of the open-hearth and converter processes operating with an oxygen blow. I.S.Gokhman, V.A.IAzykov. Sbor.trud. Otd.tekh.-ekon.issl.TSNIICHM no.1;43-55 '63.

Economic effect from the transfer of converters to a heavier charge. V.S.IAzykov. Sbor.trud.Otd.tekh.-ekon.issl.TSNIICHM no.1 56-58 '63.

Economic evaluation of the oxygen-converter process abroad. A.G.Lifshits. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:80-84 Ap '64.

BESTUZHEV, ALEKSANDR ALEKSANDROVICH, 1797-1837

Materials on the ethnography of Azerbaijan in the writings of A.A.Bestuzhev-Marlinskii. E.A.Kerimov. Dokl. AN Azerb.SSR 20 no.2;85-87 '64.

BETA-RAY SPECTROMETER

Wide-focus magnetic beta-spectrograph. V.Z.Gol'dberg. V.P.Rudakov Prib.i tekh eksp. 8 no.6 36-37 N-D '63.

BETA-RAY SPECTROMETRY

Angular correlations in forbidden beta-transitions. R.IU.Volkovyskii. Izv.vys.ucheb.zav.; fiz. no.2: 71-72 '64.

Obtaining radiation sources from β-spectroscopy by the electrolytic deposition of rare-earth elements. A.F. Novgorodov and others. Radiokhimiia 6 no.1;73-78 '64.

BETA RAYS

Method of preparing large-size β-particle radiators. M.P.Kochina, I.A.Uriaev, R.F.Brigevich. Radiokhimiia 6 no.2;265-268 '64.

Use of the bremsstrahlung from beta-preparations in the excitation of photonuclear reactions. I.N.Plaksin, N.G.Malysheva, L.P.Starchik. Dokl.AN SSSR 156 no.4;803-805 Je '64.

[illegible] and others. Vop [illegible] 3/4 197-200 '63

[illegible] born children. M.L [illegible] V. O.Ta-restin Vop [illegible] 3/4 201-204 '63

[illegible] O.T. NAHUM—COMMENTARIES

[illegible] no 1 45-47 '64

BIBLIOGRAPHY

[illegible] published by the Library [illegible] of the U.S.S.R. from 1959 [illegible] Z. [illegible], K I Shafranov- [illegible] 7 220-233 '63

[illegible] nos 23-26 '64. Vspomo- [illegible] 1-13 za 1964 g Dopolnitel'- [illegible] '64 Vspomogatel'nye ukazateli k [illegible] 1-3 za 1964

[New books bibliographical weekly] Nov. knigi; ezhened [illegible] 8 [illegible] 20-23, 25 My-Je '64

[illegible] no 5 57-58 My '64

[New books of the U S S.R] Nov knigi SSSR nos. 19-22, 24 My-Je '64

[New Soviet literature on science and general research in the U S S R] Nov sov lit. o nauke i nauch -issl. rab v SSSR no 3 '64

Smirnova, B. A. [Activities of the Lenin State Library of the U.S.S.R. in the field of recommending bibliography] Deiatel'nost' Gosudarstvennoi biblioteki SSSR imeni V. I. Lenina v oblasti rekomendatel'noi bibliografii. Moskva, Izd-vo "Kniga," 1964. 235 p.

[Union catalog of 18th-century Russian books of the civil press, 1725-1800] Svodnyi katalog russkoi knigi grazhdanskoi pechati XVIII veka, 1725-1800 Moskva, Izd. Gos. biblioteki SSSR im V I Lenina
Vol. 2 K - P 1964 514 p

BIBLIOGRAPHY—ACCOUNTING

New books. Bukh uchet 21 no 2 56-57 F '64

BIBLIOGRAPHY—AGRICULTURAL CHEMISTRY

Books and articles on chemistry in agriculture. Khim. v sel'khoz 2 no 1 60-63 Ja '64.

New books on the chemicalization of agriculture Zemledelie 26 no 2 94-95 F '64

BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U.S S.R.] Sel'khoz lit. SSSR nos 1/2 - 3 '64

Books sent to the editor for comment Agrobiologiia no 2 319 Mr-Ap '64

From the history of agricultural books in Russia V M [illegible] Vest sel'khoz nauki 9 no 5 106-111 My '64

[Information bulletin of new foreign books, received by the Lenin Library Series 2] Inform biul.nov inostr. knig. postup v Bibl. im. V.I Len Ser. 2 7 nos 15-17 My-Je '64.

[New foreign books Series V: Biology, medicine, agriculture] Nov knigi za rub Ser V Biol , med , sel'. khoz 8 no 5 My '64.

New scientific and theoretical literature L. Raskin. Vest. sel'khoz. nauki 9 no. 2 149-151 F '64.

BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit po ist , arkheol i etn nos 2-3 '64

[New Soviet literature on history, archaeology, and ethnography] Nov sov lit po ist , arkheol i etn. nos 2-3 '64.

BIBLIOGRAPHY—ARMAMENTS

Technology and armaments Tekh. i vooruzh. no. 1:92-93 Ja '64

BIBLIOGRAPHY—ART

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit i isk nar SSSR i zarub stran no 3 '64.

BIBLIOGRAPHY—ASTRONOMY

New books on astronomy. Astron. zhur. 41 no. 3 595 My-Je '64.

BIBLIOGRAPHY—ASTROPHYSICS

Abstracts of articles on astrophysics published in the periodical "Radiophysics" Vol. 6, nos. 4-6, 1963. Astron zhur. 41 no. 3 596-597 My-Je '64.

BIBLIOGRAPHY—AUTOMATIC CONTROL

Books on automatic control Radio no 5 63-64 My '64.

BIBLIOGRAPHY—BAMBERG, KARLIS, 1894-

Latvijas padomju socialistiskas republikas zinatnu akademija. Fundamentala biblioteka. [Academician Karlis Bambergs; a biobibliography] Akademikis Karlis Bambergs; biobibliografija. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 101 p [In Latvian and Russian]

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul nov. inostr knig. postup v Bibl im. V.I Len. Ser 2 7 nos 15-17 My-Je '64.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V Biol , med., sel'. khoz 8 no. 5 My '64.

BIBLIOGRAPHY—BRAIN—TUMORS

Arutiunov, A. I., and K. E. Rudiak. [Tumors of the brain and the spinal cord; bibliography of Russian literature, 1917-1961] Opukholi golovnogo i spinnogo mozga, bibliografiia otechestvennoi literatury 1917-1961 gg. Kiev, Gosmedizdat USSR, 1963. 408 p.

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 3 '64.

BIBLIOGRAPHY—BULGARIAN LITERATURE

In brief about new books. Oktiabr' 40 no 1 219-224 Ja '64.

BIBLIOGRAPHY—CANADA

Bibliography in Canada. A M. Lukovskaia. Sov. bibl no. 1:99-103 '64.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry; classed index of articles in foreign periodicals] Khim., sist. uk. st v inostr. zhur no. 4 Ap '64

BIBLIOGRAPHY—CHEMISTRY, TECHNICAL

New books for workers of the chemical industry Khim. prom. no. 10 795 O '63.

BIBLIOGRAPHY—COMMUNICABLE DISEASES

Review, criticism and bibliography. Zhur. mikrobiol., epid. i immun 40 no. 6:145-155 Je '63.

Soviet literature on the problems of microbiology, immunology, infectious diseases and epidemiology for the fourth quarter of 1960. M. L. Vil'shavskaia. Zhur. mikrobiol., epid. i immun. 40 no. 10 156-158 O '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Moscow. Gosudarstvennaia publichnaia istoricheskaia Biblioteka. [The ideological work of the CPSU is a mighty weapon in the struggle for communism, index of recommended literature to aid in propagandizing the Resolutions of the June, 1963 Plenum of the Central Committee of the Communist Party of the Soviet Union] Ideologicheskaia rabota KPSS - moguchee oruzhie v bor'be za kommunizm; rekomendatel'nyi ukazatel' literatury v pomoshch' propagande reshenii Iiun'skogo (1963 g.) Plenuma TsK KPSS. Moskva, Izd-vo "Kniga," 1964. 169 p.

BIBLIOGRAPHY—CONSTRUCTION EQUIPMENT

Through the pages of magazines. Stroi. i dor. mash. 9 no. 3:38-39 Mr '64.

Through the pages of magazines. Stroi. i dor. mash. 9 no. 5:39-40 My '64.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

Bibliography. Mont i spets. rab v stroi. 26 no 5 32-p. 3 of cover My '64

New manual on the architecture of civil and industrial buildings. A. S. Konikov. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 7:148-150 '63.

BIBLIOGRAPHY—CUBA—CULTURE

Sources and literature on the history of the national culture and cultural revolution in Cuba. I. R. Grigulevich. Nov. i noveish. ist. no. 2:121-131 '64.

BIBLIOGRAPHY—CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 3 '64.

BIBLIOGRAPHY—DAGHESTAN—HISTORY

Skazin, E. V. [Daghestan in Soviet historical literature] Dagestan v sovetskoi istoricheskoi literature. Makhachkala, Dagestanskii filial AN SSSR, In-t istorii, iazyka i lit-ry, 1963. 194 p.

BIBLIOGRAPHY—DERMATOLOGY

Annotations on dissertations. Vest. derm. i ven. 37 no. 6:88-91 Je '63.

BIBLIOGRAPHY—EARTH—SURFACE

Bibliography on the structure of the crust and the upper part of the earth's mantle. V. V. Gosina, I. A. Solovieva. Sov. bibl. no. 1:75-78 '64.

BIBLIOGRAPHY—ECONOMICS

Economic literature for the masses. E. Kogan. Vop. ekon. no. 5:135-137 My '64.

[New foreign economic literature] Nov. inostr. ekon. lit. no. 2 '64.

[New Soviet economic literature] Nov. sov. ekon. lit. no. 3 '64.

New foreign books and articles on Egyptology, with annotations. N. P. Semper. Vest. drev. ist. [illegible] 191-217 '63.

BIBLIOGRAPHY—ELECTRIC DRIVING

Abstracts of articles and materials on automated [illegible] trial electric drives. Prim. [illegible] priv. v prom. no. 1 81-90 '63.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

New books Elek sta 35 no 2:79 F '64

BIBLIOGRAPHY—EPIDEMIOLOGY

Soviet literature on the problems of microbiology, immunology, infectious diseases and epidemiology for the fourth quarter of 1960. M. L. Vil'shavskaia. Zh. mikrobiol., epid. i immun. 40 no. 10 156-158 O [illegible]

BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov inostr. lit. po ist., arkheol. i etn nos. 2-3 '64

[New Soviet literature on history, archaeology, and ethnography] Nov. sov lit. po ist., arkheol. i etn nos. 2-3 '64.

BIBLIOGRAPHY—FISHERIES

New literature on the fishing industry. Ryb. khoz. [illegible] no. 1:91-96 '64.

BIBLIOGRAPHY—FOLKLORE, SLAVIC

Folklore of the Western and Southern Slavs, materials published in Russian in the Soviet and foreign press 1957-1961. M. IA. Mel'ts. 8 399-434 '63

BIBLIOGRAPHY—GAS, NATURAL

Bibliography. Gaz. prom. 7 no. 6:54 '62.

Bibliography Gaz prom. 9 no 6:54-55 '64

BIBLIOGRAPHY—GAS, NATURAL—PROCESSING

Natural gas processing. Gaz. delo no 2:56-57 '64

BIBLIOGRAPHY—GEOLOGY, STRUCTURAL

Bibliography on the structure of the crust and the upper part of the earth's mantle. V. V. Gosina, I. A. [illegible] Sov. bibl. no. 1:75-78 '64.

BIBLIOGRAPHY—GEORGIA—ECONOMICS

Bibliography of studies in economics published in the Georgian S.S.R. in 1957. Trudy Inst. ekon. AN [illegible] SSR 13, 199-230 '62.

BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 2 '64.

BIBLIOGRAPHY—HEAT—TRANSMISSION

Bibliography on heat and mass transfer. R A [illegible] Inzh.-fiz. zhur. 7 no. 5:128-130 My '64.

BIBLIOGRAPHY—HISTORY

Annotations. Nov. i noveish. ist. no. 2:171 [illegible] '64

Articles in Soviet historical periodicals Vop ist 39 no. 6:159-163 Je '64.

Foreign reviews of Soviet historical studies. Vop ist 39 no. 6:200-208 Je '64.

List of doctoral dissertations defended in 1963 (to be continued). Vop. ist. 39 no. 6:169-170 Je '64.

New books. Vop. ist. 39 no 6:158-159 Je '64.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn nos. 2-3 '64.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn nos. 2-3 '64.

Tables of contents of periodicals published in socialist countries. Vop. ist. 39 no. 6:191-192 Je '64

Works of the British progressive historians. Vop. ist 39 no. 6:210 Je '64.

BIBLIOGRAPHY—HISTORY, MODERN

Books, documents, and articles on the modern and most recent history published in the U.S.S.R. in 1962 (conclusion). Nov. i noveish. ist. no. 1:197-203 '64

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng no. 3 '64

BIBLIOGRAPHY—HYDRAULIC ENGINEERING

New books. Gidr. i mel. 16 no. 4:63-64 Ap '64.
New books. Gidr. i mel 16 no. 5:62 My '64

BIBLIOGRAPHY—HYDROLOGY

Literature on meteorology and hydrology in 1963. Meteor. i gidrol. no. 5:58-61 My '64.

BIBLIOGRAPHY—IMMUNOLOGY

Soviet literature on the problems of microbiology, immunology, infectious diseases and epidemiology for the fourth quarter of 1960. M. L. Vil'shavskaia. Zhur. mikrobiol., epid. i immun. 40 no. 10:156-158 O '63

[illegible]

[illegible] Moskva, [illegible]

[illegible]

BIBLIOGRAPHY—PLANTS, PROTECTION OF

[illegible]

BIBLIOGRAPHY—PLASTICS INDUSTRY

New literature on [illegible] materials. Plast. massy [illegible]

BIBLIOGRAPHY—POLAND

[illegible]

BIBLIOGRAPHY—PROBATION

[illegible]

BIBLIOGRAPHY—RADIO

[illegible]

BIBLIOGRAPHY—RAILROADS—SIGNALING

[illegible]

BIBLIOGRAPHY—REFRIGERATION AND REFRIGERATING MACHINERY

[illegible]

BIBLIOGRAPHY—RICKETTSIAL DISEASES

[illegible]

BIBLIOGRAPHY—RUBAKIN, NIKOLAI ALEKSANDROVICH, 1862-1946

[illegible]

BIBLIOGRAPHY—RUSSIA—HISTORY

[illegible]

BIBLIOGRAPHY—RUSSIAN LANGUAGE

[illegible]

BIBLIOGRAPHY—RUSSIAN LITERATURE

[illegible]

BIBLIOGRAPHY—RUSSIAN PERIODICALS

Levit, M. M. [Medical periodicals in Russia and the U.S.S.R., 1792-1962] Meditsinskaia periodicheskaia pechat' Rossii i SSSR (1792-1962) Moskva, Medgiz, 1963. 244 p.

BIBLIOGRAPHY—SCIENCE

[illegible]

[illegible] Translations from foreign books, received by the Lenin Library. Series [illegible]

[illegible] Series A. Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography [illegible]

BIBLIOGRAPHY—SHAKESPEARE, WILLIAM, 1564-1616

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. [Shakespeare; bibliography of translations into Russian and literary criticism in Russian, 1748-1962] Shekspir, bibliografiia russkikh perevodov i kriticheskoi literatury na russkom iazyke, 1748-1962. Moskva, Izd-vo "Kniga," 1964. 711 p.

BIBLIOGRAPHY—SHIPBUILDING

Bibliography. [illegible] My '64.

[illegible] My '64.

[illegible] My '64.

BIBLIOGRAPHY—SLAVS

Russian research work on Southern Slavs at the end of the 18th century and the beginning of the 19th. [illegible]

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3 Social sciences, belles-lettres, art] Inform biul nov inostr knig postup.v [illegible] V I Len Ser 3 Obshchestv nauki, khud lit, [illegible] 16-17,19 Je-Jl '64

BIBLIOGRAPHY—SOUND

New books on acoustics Akust zhur 10 no 2 260-262 '64

BIBLIOGRAPHY—SPINAL CORD—TUMORS

Arutiunov, A. I., and K. E. Rudiak. [Tumors of the brain and the spinal cord, bibliography of Russian literature, 1917-1961] Opukholi golovnogo i spinnogo mozga; bibliografiia otechestvennoi literatury 1917-1961 gg. Kiev, Gosmedizdat USSR, 1963. 408 p.

BIBLIOGRAPHY—STOCK AND STOCKBREEDING

Bibliography of scientific works published by the scientist staff of the Alma-Ata Zootechnical and Veterinary Institute Trudy AZVI 12 637-715 '61

BIBLIOGRAPHY—SUETONIUS TRANQUILLUS, C.

New foreign studies on Tacitus and Suetonius. M. L. Gasparov. Vest.drev.ist. no.1:176-191 '64.

BIBLIOGRAPHY—TACITUS, CORNELIUS

New foreign studies on Tacitus and Suetonius. M. L. Gasparov. Vest.drev.ist no. 1 176-191 '64.

BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform.biul nov inostr knig postup v Bibl.im V.I Len Ser 1 9 nos.15-17 My-Je '64

[New foreign books. Series B. Technology] Nov.knigi za rub Ser.B. Tekh 6 no.5 My '64

Technology and armaments. Tekh.i vooruzh no 1 92-93 Ja '64

BIBLIOGRAPHY—TEXTILE FIBERS, SYNTHETIC

New literature on synthetic fibers. Tekst.prom 24 no 4:90-91 Ap '64

BIBLIOGRAPHY—TURBINES

Collection of papers No. 9 of the Leningrad Metalworking Plant (22d Congress of the CPSU) "Properties of materials used in turbine manufacture and methods for testing them" published by the State Scientific and Technical Publishing House of Literature on Machinery. Energomashinostroenie 10 no.2 48 F '64.

BIBLIOGRAPHY—ULTRASONICS

Akademiia nauk SSSR. Biblioteka otdeleniia biologicheskikh nauk. [Ultrasound in biology, bibliography of Soviet and foreign literature for 1950-1962] Ul'trazvuk v biologii, bibliografii otechestvennoi i inostrannoi literatury za 1950-1962 gg. Moskva, Izd-vo "Nauka," 1964. 181 p.

BIBLIOGRAPHY—VETERINARY MEDICINE

Bibliography of scientific works published by the scientist staff of the Alma-Ata Zootechnical and Veterinary Institute Trudy AZVI 12 637-715 '61

List of scientific papers published by the staff of the Smolensk Veterinary Scientific Research Station Trudy Smol NIVS no 2:301-308 '62

BIBLIOGRAPHY—VIRUS DISEASES

Bibliography of neuroviral infections compiled by the staff members of the D.I. Ivanov Institute of Virology of the Academy of Medical Sciences of the U.S.S.R. for 1940-1958. S.T. Merkulova. Vop.med.virus. no.6 293-308 '59.

BIBLIOGRAPHY—VOCATIONAL EDUCATION

Books on production training. R. A. Medvedev. Shkola i proizv. 6 no.6.78-80 Je '64.

BIBLIOGRAPHY—WATERMARKS

New books on the science of watermarks and writings about watermarks. S A Klepikov. Zap.Otd.ruk no.26 486-491 '63

BIBLIOGRAPHY—WEAVING

Weaving of bast fibers, bibliographic index of literature published from 1956 to 1961 (books and journal articles). M E Gorina, E V. Koroleva S. M. Prokhorova Nauch.-issl trudy TSNIILV 15 199-217 '62

BIBLIOGRAPHY—WOOD-USING INDUSTRIES

From the pages of scientific-technological journals. Der prom 13 no.5:insert 2-3 My '64

BIBLIOGRAPHY—WOODWORKING INDUSTRIES

From the pages of scientific technological journals. Der.prom. 13 no.6: insert:2-4 Je '64.

New books. Der.prom. 13 no 5:30 My '64.

[New literature on Yugoslavia] Nov.lit.po IUg. no.2 '64

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Methods used in bibliographies of recommended literature as aids for propagandists and lecturers. V.V Sul'chuk. Sov.bibl. no.1:58-66 '64.

Some problems in the methodology of compiling bulletins of current literature published in the European socialist countries E M.Kan. Trudy Bibl AN SSSR 7:35-50 '63.

BIEZBARDIS, KASPARS, 1806-1886

Socneva, Margers. [Kaspars Biezbardis; his life and philosophical views] Kaspars Biezbardis, dzive un pasaules uzskats. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 130 p. [In Latvian]

BILE

Effect of pachycarpine on the external secretory function of the liver. O. IA. Sereda. Farmatsev.zhur. 14 no.3: 28-31 '59.

Simple method for the qualitative determination of bile acids in the urine. D.V.Starosel'skii. Lab.delo no.2: 101 '64.

BILE—THERAPEUTIC USE

Use of bile in the treatment of males with trichomonal urethritis I I.Shkliar Vest derm.i ven. 37 no 9: 56-58 S '63

BILE DUCTS

Bile ducts in liver segments. V. F. Zabrodskaia. Khirurgiia 39 no.8:46-54 Ag '63.

BILE DUCTS—DISEASES

Comparison of laparoscopic and roentgenologic findings in diseases of the liver and bile ducts. A. S. Loginov, M. E. Bokshtein. Sov.med. 27 no.10:91-97 O '63.

Hemobilia. A. P. Kachkov, I. D. Kanorskii. Sov.med. 27 no.10:110-111 O '63.

BILE DUCTS—OBSTRUCTIONS

Autoradiographic study of the distribution of Bengal Rose tagged with iodine-131 in health and in the obstruction of bile ducts. S. B. Karimova. Trudy Inst. kraev.eksper.med. no.5.119-125 '63.

BILE DUCTS—RADIOGRAPHY

Preoperative transcutaneous intrahepatic cholangiography B A Landa Khirurgiia 38 no.12 79-83 D '62

Simultaneous examination of the portal and the biliary systems splenoportocholangiography. E. I Gal'perin, M K Shcherbatenko. Khirurgiia 39 no.8.63-65 Ag '63

BILE DUCTS—SURGERY

Surgical treatment of fibrous strictures of the bile ducts. A M Dogliotti. Eksp.khir.i anest. 8 no 5 31-34 S-O '63

BILE DUCTS—WOUNDS AND INJURIES

Lesion of bile ducts during radical gastrectomy in low located hemorrhagic gastric ulcers and closing of the duodenal stump by demucosation and double retrograde rolling a variant of the IAkobovichi method. S. I Smelovskii Khirurgiia 39 no.8 54-57 Ag '63.

BILIARY CALCULI see Calculi, Biliary

BILIRUBIN

Colorimetric description of bilirubin fractions in the blood of children with epidemic hepatitis. N.D.Gusarova, F.G.Sivashinskaia. Lab.delo no.2:93-96 '64.

Determination of three fractions of bilirubin by a simple micromethod in newborn infants. S.I.Vodkailo. Lab.delo no.2:89-93 '64.

Determining bilirubin in the blood serum. K.M.Sullo. Lab.delo no.2:87-89 '64.

Methodology of determining bilirubin in the blood serum by photoelectrocolorimetry. O.A.Nuromskaia. Lab.delo no.2:96-98 '64.

Rapid method of determining bilirubin in the blood serum. Z.N.Babit. Lab.delo no.2:98-99 '64.

Significance of the chromatographic and spectrophotometric determinations of bilirubin fractions in jaundice of the newborn. TS.I.Kartozila Soob.AN GruzSSR 30 no 3 297-304 Mr '63.

BINDING MATERIALS

Gorshkov, V.S., and V.V.Timashev. [Methods of physicochemical analysis of binding materials] Metody fiziko-khimicheskogo analiza viazhushchikh veshchestv. Moskva, Vysshaia shkola, 1963. 286 p.

BIOCHEMISTRY

Current objectives of Soviet biochemistry. N. M. Sisakian. Usp.sovr.biol. 57 no.3:337-349 My-Je '64.

Method of determination of the content of blood in organs and tissues. A. V. Tkachenko. Vop.med.khim. 9 no.1:71-76 Ja-F '63.

[illegible] of evolution". I. B. Zbarskii. Vop.med.khim. [illegible] 107-108 Ja-F '63.

Some physicochemical properties of [illegible] Escherichia coli. S. G. Smirnov. Zhur.mikrobiol., epid.i immun. 40 no.10.116-120 O '63

Transformation of substances by microorganisms. A. S. Vechar. Vestsi AN BSSR.Ser.biial.nav. [illegible] 69-75 '61.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref.zhur. Biol.khim. no.12 Je '6[illegible]

The two largest abstract journals of biology [illegible] Z.S.Tsepilova. NTI no.3:7-8 '61.

BIOCHEMISTRY—CONGRESSES

First All-Union Biochemical Conference. [illegible] I. M. Krepn, R. A. Zorsenbokh. Vest.AN [illegible] no.5:143-148 My '64.

BIOLOGICAL PHOTOGRAPHY see Photography, Biol[illegible]

BIOLOGICAL RESEARCH

(see also subdivision under Uzbekistan)

Expansion of biological research in [illegible] Vartanian. Zhur.nov.i publ. 40 no.8 [illegible]

Objectives of some branches of biological [illegible] the light of the resolutions of the [illegible] the Central Committee of the CPSU. [illegible] I. P. Smoliak. Vestsi AN BSSR Ser.biial [illegible] 5-14 '64

BIOLOGICAL WARFARE—SAFETY MEASURES

In all drills and exercises. P. Manuia. Voen.vest. [illegible] no.5:20-22 My '64.

Most important subject of training. N. Danil[illegible] Voen. vest. 43 no.5 17 20 My '64.

BIOLOGY

Bookshelf. B.A.Nikitiuk. Arkh.anat.gist.i embr. 41 no.10.120 O '62.

Decision of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. [illegible] ures for further development of the biological sciences and strengthening its bonds to the practice, its significance in the scientific and practical derm[illegible] Vest.derm.i ven. 37 no.6:3-6 Je '63

BIOLOGY—ABSTRACTS

[Biology] Ref.zhur.: Biol. no.12 Je '64. Avt.[illegible] ukazatel' za 1963 god.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PHILOSOPHY

Afanas'ev, V. G. [Problem of wholeness in philosophy and biology] Problema tselostnosti v filosofii i biologii. Moskva, Izd-vo "Mysl'," 1964. 415 p.

BIOLUMINESCENCE

Chemiluminescence of proteins and [illegible] the visible and ultraviolet [illegible] S. V. Konev, N. A. Troitskii, M. A. K[illegible] AN BSSR.Ser.biial.nav. no.1:78-79 '64

BIOMATHEMATICS

Application of mathematical methods in [illegible] R. M. Baevskii and others. Probl.kosm.biol. [illegible] '64.

Mathematical analysis of the process of [illegible] of Chlorella in biological cultivation units [illegible] metric profile. I. V. Smirnov. Probl.kosm.biol. 3: 432-448 '64.

Some problems of the application of the theory of [illegible] functions in space biology and medicine. A [illegible] N. A. Chekhonadskii. Probl.kosm.biol. 3:[illegible]

BIOMETRY

Pearson's curves used in biology for statistical data processing. V. V. Voronin. Trudy Inst.fiziol.AN Gruz SSR 13:237-249 '63.

BIONICS

New branch of cybernetics. G. Mamyshev Tekh.i vooruzh. no.1:72-75 Ja '64.

BIOPHYSICS

Biophysics in plant protection. S. V. Andreev, B. [illegible] Martens. Zashch.rast.ot vred.i bol. [illegible] O '63.

BIOPSY

Pancreatic fistula following biopsy of the pancreas V. I. Puzhailo. Khirurgiia 39 no.4:119-122 Ap '63

BIOSYNTHESIS

Participation of ribosomes in the biosynthesis of silk fibroin. V. N. Smirnov and others. Dokl. AN SSSR 156 no.5:1221-1224 Je '64.

Pyrimidines and amino acids: interconversions in biological and chemical systems. IU. P. Shvachkin, M. A. Prokof'ev. Vest.Mosk.un.Ser.2: Khim. 19 no.2:3-[illegible] Mr-Ap '64.

terranean Sea

BIPHENOL

Effect of the structure of initial biphenols on the properties of polyarylates. V V.Korshak, S.V.Vinogradova, V.A.Pankratov. Dokl AN SSSR 156 no.4·880-883 Je '64.

BIPHENYL

Synthesis of 4'-substituted 4-vinylbiphenyl. M.I. Dovgoshela, R.S.Mil'ner. Zhur.ob.khim. 34 no.3: 977-980 Mr '64.

BIRDBANDING see subdivision under Latvia

BIRDS

(see also subdivision under Altai Mountains, Amur Valley; Azerbaijan; Baikal, Lake, Chikoy Valley; Emba Valley; Gorkiy Reservoir; Issykkul' Depression; Kabardino-Balkar A. S. S. R.; Kazakhstan, Kazym Valley; Kelifskiy Uzboy region; Kura Lowland; Kyzyl-Agach Preserve; Manych-Gudilo Lake region; Maritime Territory; Sakhalin, Solovetski Islands; Talysh Mountains; Terskiy Coast, Tien Shan; Tuva A. S. S. R.; Ural Valley; Vilsandi, Estonia; White Russia; Wrangel Island; Yakutia)

[A guide to the birds of the U. S. S. R.] Opredelitel' ptits SSSR. [By] N. A. Gladkov i dr. [n.p.] Vysshaia shkola, 1964. 536 p. illus.

Kumari, Erik. [Bird watching] Kuidas vaadelda linde. Tallinn, Eesti Riiklik Kirjatus, 1963. 280 p. [In Estonian]

BIRDS—BEHAVIOR

(see also subdivision under Noril'sk region)

Activities of birds during the nesting period. L.I.Sazanov, T.Deinekina, Zh.Alkhasova. Uch.zap.Kab.-Balk. gos.un. no.10;205-208 '61.

Reaction of some birds to distress calls [with summary in English]. K. N. Blagosklonov, V. D. Il'ichev. Zool. zhur. 43 no.2:292-293 '64.

BIRDS—DISEASES AND PESTS

Infestation of wild birds and rodents with blood parasites in eastern Kazakhstan. S. I. Rybalko, E. T. Prikhod'ko, T. A. Makarycheva. Vest. sel'khoz. nauki [Kazakh.] 7 no.4:56-59 Ap '61.

BIRDS—EGGS AND NESTS

(see also subdivision under Bozdag Hill; Caucasus; Moscow Province)

Nesting of the Himalayan finch Leucosticte nemoricola Hodgs. in Tuva. D I Berman, G V Kolonin Ornitologiia no 6 268-271 '63

Nesting of white-tailed plover in Transcaucasia. V. V. Vinogradov Ornitologiia no 6.303-305 '63.

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRDS—FOOD

(see also subdivision under Aktyubinsk Province; Karabil' Upland; Moscow region; Sivash Lake region)

Selectivity of food for birds and some causes for its changeability A. A Inozemtsev. Ornitologiia no 6 124-150 '63.

BIRDS—GEOGRAPHICAL DISTRIBUTION

(see also subdivision under Azerbaijan; Okhotsk Sea region)

Ornithogeographical zoning of the high mountains of the Palaearctic. R L. Beme. Ornitologiia no 6 227-234 '63

BIRDS—MIGRATION see subdivision under Aksu-Dzhabagly Preserve; Baikal Lake region; Okhotsk Sea region; Transbaikalia

BIRDS—PARASITES see Parasites—Birds

BIRDS—PHYSIOLOGY

(see also subdivision under Moscow region)

Thermoregulation in the postnatal development of small birds. I. A. Shilov, M. B Nikolaeva. Ornitologiia no. 6 451-455 '63

BIRDS, INJURIOUS AND BENEFICIAL see subdivision under Moldavia

BIRDS AS CARRIERS OF DISEASE

(see also subdivision under Ural Mountains)

Birds as a reservoir for the virus of tick-borne encephalitis. V. M. Bolotovskii. Vop. med. virus. no. 6;136-138 '59.

BIRDS OF PREY see subdivision under Kabardino-Balkar A. S. S. R.

BIRDSONG

Voice of birds and some problems of its study. G. P. Dement'ev, V. D Il'ichev. Ornitologiia no. 6;401-407 '63.

BISHOP'S-WEED

Quantitative determination of chromones in bishop's-weed. O. P. Prokopenko, D. IU. Kolesnykov. Farmatsev. zhur. 15 no.6.40-54 '60.

BISMARCK, OTTO, 1815-1898

"Bismarck, France and the claimants to the Spanish throne" by J. Dittrich. "Bismarck, the Hohenzollern candidacy and the origins of the Franco-German War of 1870" by L C. Steefel. Both reviewed by K. B Vinogradov. Nov.i noveish ist. no 2 154-157 '64.

BISMUTH

Propagation of magnetoplasma waves in a bismuth plate. L. A. Fal'kovskii Zhur.eksp.i teor.fiz. 46 no.5: 1820-1822 My '64.

BISMUTH—ANALYSIS

Complexometric determination of bismuth and magnesium in bicalin tablets. V. V. Bielikov, M. S. Shraiber, S. M. Bolotnykov. Farmatsev. zhur. 15 no 4;10-14 '60.

Complexometric determination of bismuth in preparations and medicinal mixtures. H. A. Vaisman, L. I. Rapaport, F. A. Mytchenko. Farmatsev. zhur. 14 no.3;31-36 '59.

BISMUTH OXIDES

Nature of the conductance of solid solutions $Bi_2O_3 - SrO$. A. D. Neuimin and others. Trudy Inst. elektrokhim. UFAN SSSR no.4;111-115 '63.

BITING MIDGES see subdivision under Siberia, Western

BITKOV OIL FIELD—GAS, NATURAL—GEOLOGY

Formation of gas pools in the menilite series of the Bitkov oil field. V. I. Berliavskii. Geol. nefti i gaza 8 no.4;21-25 Ap '64.

BITKOV OIL FIELD—PETROLEUM GEOLOGY

Physical properties of reservoir oils in a deep fold of the Bitkov field IU. I. Filias. Nauch -tekh sbor. po dob nefti no.14 53-58 '61

BITS (DRILLING AND BORING)

Moscow.
informai
neftianoi
optimal
rotor; digest of foreign literature] Vybor optimal'nykh nagruzki na doloto i skorosti vrashcheniia rotora; obzor zarubezhnoi literatury. Moskva, 1963. 23 p. (Seriia: Burenie)

[MICROFILM]

BITUMEN see subdivision under Volga-Ural region

BITUMEN—GEOLOGY see subdivision under Ararat Plain; Olenek Valley; Volgograd Province

BLACK DUCK see subdivision under Baikal, Lake

BLACK EARTH see Chernozem soils

BLACK FLIES

Mode and duration of migrations of the larvae of black flies (Diptera, Simuliidae) I. A. Rubtsov. Ent. oboz 43 no 1 52-66 '64.

BLACK GROUSE see subdivision under Karelia

BLACK SEA—ALGAE

Boundaries of Zernov's Phyllophora fields in the northwestern part of the Black Sea. K. A. Vinogradov. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9;170-184 '62.

BLACK SEA—AMPHIPODA

Feeding habits of the amphipod Dexamine spinosa (Mont.) in the Black Sea. I. I. Greze. Trudy SBS 16;224-240 '63.

Reproduction and growth of the amphipod Dexamine spinosa (Mont.) in the Black Sea. I. I. Greze. Trudy SBS 16;241-255 '63.

BLACK SEA—ANCHOVIES

Changes in the size of eggs of the anchovy (Engraulis encrasicholus ponticus Alex.) during the spawning season. T. V. Lugovaia. Trudy SBS 16;364-368 '63.

A new mechanized line for barrel salting of anchovies. Kh. G. Khristoforidi. Ryb. khoz. 40 no.1;70-73 '64.

Some patterns in the stock fluctuation and elimination of eggs and larvae of Engraulis encrasicholus ponticus Alex. in the Black Sea. T. V. Dekhnik. Trudy SBS 16. 340-358 '63.

BLACK SEA—BENTHOS

Bottom biocenoses at the eastern shore of the Crimea. M. I. Kiseleva, O. IA. Slavina. Trudy SBS 16;176-191 '63.

BLACK SEA—COBALT

Cobalt content of water in the Black Sea and the Sea of Azov. L. I. Rozhanskaia. Trudy SBS 16;467-471 '63.

BLACK SEA—FISHERIES

Fishing by light; a photoreport. M. Nachinkin. Sov. profsoiuzy 20 no.9;24 My '64.

BLACK SEA—FISHES

Comparison of the growth rate of some pelagic fishes of the Black and Adriatic Seas. E. M. Kalinina. Trudy SBS 16;337-339 '63.

BLACK SEA—FISHES—FOOD

Growth and feeding habits of Black Sea wrasses of the genera Crenilabrus and Symphodus. E. M. Kalinina. Trudy SBS 16:323-336 '63.

BLACK SEA—FISHES—PHYSIOLOGY

Extent of serologic distinctions between intraspecific forms of some fishes in the Black Sea and the Sea of Azov. V. D Burdak. Dokl AN SSSR 156 no.5:1189-1192 Je '64.

BLACK SEA—HARPACTICIDAE

Harpacticoida of bottom biocenoses of the southern part of the Crimea and the Caucasus. R E. Griga. Trudy SBS 16.159-172 '63.

BLACK SEA—NITRITES

Content and distribution of nitrites in the Black Sea. M. A. Dobrzhanskaia. Trudy SBS 16;488-495 '63.

BLACK SEA—ORGANIC MATTER

Content and distribution of organic matter in the Black Sea, based on oxidizability. M. A. Dobrzhanskaia Trudy SBS 16.472-487 '63.

BLACK SEA—PARASITES—FISHES

Parasites of local schools of some pelagic fishes in the Black Sea. V. M. Nikolaeva. Trudy SBS 16:387-438 '63.

BLACK SEA—PARASITES—PERCH

Materials on the parasites of Spicara smaris (L.) of the Black Sea. V. M. Nikolaeva. Trudy SBS 16:439-442 '63.

BLACK SEA—PERCH

Comparative characteristics of the feeding habits of Spicara smaris (L.) in the Mediterranean, Adriatic and Black Seas. N. IA. Lipskaia. Trudy SBS 16 306-322 '63.

BLACK SEA—PHYTOPLANKTON

Diurnal variations in phytoplankton of the Black Sea. T. M. Kondrat'eva. Trudy SBS 16.53-70 '63.

BLACK SEA—SALMON

Biology of the transitional (salmonid) form of the salmon trout of the Black Sea basin during the migration period and the reproduction of salmon stock in the Black Sea. G. P. Barach. Trudy Nauch.-issl. rybokhoz. sta. Gruz 6;3-37 '61.

BLACK SEA—WORMS, INTESTINAL AND PARASITIC

Materials on the parasites of Spicara smaris (L.) of the Black Sea. V. M. Nikolaeva. Trudy SBS 16.439-442 '63.

BLACK SEA—WRASSE

Growth and feeding habits of Black Sea wrasses of the genera Crenilabrus and Symphodus. E. M. Kalinina. Trudy SBS 16;323-336 '63.

BLACK SEA—ZOOPLANKTON

Vertical distribution of zooplankton in the Black Sea. T. S. Petipa, L. I. Sazhina, E. P. Delalo. Trudy SBS 16;110-137 '63.

BLACK SEA REGION—COINS, ANCIENT

Imitations of Roman gold coins of the second and third centuries A. D. L. N. Kazamanova, V. V. Kropotkin. Vest. drev. ist. no.1·140-148 '64.

BLACK SEA REGION—FISHES—MIGRATION

Biology of the transitional (salmonid) form of the salmon trout of the Black Sea basin during the migration period and the reproduction of salmon stock in the Black Sea. G. P. Barach. Trudy. Nauch.-issl. rybokhoz. sta. Gruz. 6.3-37 '61.

BLACK SEA REGION—FRESHWATER FAUNA

Genesis of the bottom vegetation in the limans of the northwestern Black Sea region. I. I. Pogrebniak. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9;173-179 '62.

Studying the fauna in the Black Sea region limans, its genesis and the appearance of new elements. S. B. Grinbart. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9;167-173 '62.

BLACK SEA REGION—INSCRIPTIONS, GREEK

Little-known or lost Greek inscriptions of the northern Black Sea region. L. A. El'nitskii. Vest. drev. ist. no.1;110-120 '64.

BLACK SEA REGION—MERGANSERS

Red-breasted merganser in the northwestern Black Sea region T. B. Ardamatskaia. Ornitologiia no 6;293-302 '63.

BLACK SEA REGION—NUMISMATICS, ANCIENT

Notes on the numismatics of the ancient Black Sea region. P. O. Karyshkovskii. Vest. drev. ist. no.1;130-139 '64.

BLACKBODY RADIATION

[illegible] blackness of metals [illegible] V R [illegible] temp. 2 no 2 [illegible]

BLADDER—CALCULUS see Calculi, Urinary

BLADDER—TUMORS

[illegible] cytodiagnosis of tumors of the [illegible] bladder. V. G. Kaz[illegible] Vop onk 8 no 11 [illegible] '62

BLADDER—WOUNDS AND INJURIES

[illegible] bladder lesions. I. B. Moshkin, L. A. Fakertreiger. Khirurgiia [illegible] no 8 62-67 Ag '63

BLAST FURNACES

[illegible] blast furnace. V G Ka[illegible]ichan [illegible] 26 no 5 13-14 My '64

[illegible] blast into blast furnaces. N K Leonidov, G.P. [illegible] Biul.tekh-ekon.inform.Gos [illegible] i inst nauch i tekh.inform 17 no 2:83-86 [illegible]

[illegible] methods for the preparations of a blast-[illegible] V O [illegible] V Sh[illegible], V P [illegible] Biul tekh-ekon inform Gos nauch.-issl [illegible] 17 no 5 3-6 My '64

Shcherbakov, V P. [Blast furnace production] Domennoe proizvodstvo. Moskva, Izd-vo "Metallurgiia," 1964 456 p

[illegible] blast-furnace gas burner. V.I. Maslov, V P [illegible] Prom energ 19 no.5 32-35 My '64

BLASTING

Bl[illegible] in the coal industry in Great Britain. [illegible] Nauch trudy Mosk inst radioelek i gor elektromekh no.47:120-131 '63

Competition for suggestions on reducing the harmful effects of large blasts. Gor zhur. no.11:74-75 N '63

Efficiency of using sloped boreholes in Perm Province limestone quarries. S P Demb, R P.Potekhin. Nauch. trudy PermNIUI no.4 130-132 '62

Extraction of coal with long charges in Kizel Basin mines. L F Patokin. Nauch trudy PermNIUI no 4 127-129 '62

Hole blasting in the presence of a buffer wall of blown up ore. [illegible] Mel'nikov Gor zhur. no.11:63 N '63.

Improving pneumatic charging of blast holes. I. A Ostroushko and others. Gor zhur. no. 11:33-37 N '63

[illegible] of boreholes with formation of pot holes. I. I. Ok[illegible], V I. Doroshenko. Gor. zhur no 5 [illegible] '64.

Petrov, N.G. [Short-delay blasting in mines] Korotkozamedlennoe vzryvanie v shakhtakh. Moskva, Nedra, 1964. 142 p.

Prolonged resistance to blasting of frozen rocks. P.M. [illegible] Nauch trudy Mosk.inst radioelek i gor. elektromekh. no 47,161-180 '63.

Results of investigating the shattering process of solid [illegible] during blasting. Lin' De-iui [Lin Tieh-yü]. Nauch trudy Mosk inst radioelek.i gor elektromekh no.47,13[illegible]-137 '63

Results of measuring the parameters of stress waves in [illegible] M Kh B[illegible] Izv AN Uz SSR Ser [illegible] 7 no 6 80-86 '63

Sanitary and hygienic characteristics of water resistant P[illegible] ammonite. [illegible], V, P. Maslov. [illegible] 5 no 3 51-52 Mr '64.

Seismic effect of large-scale blasting on a rock massif. M I Kandyba and others Nauch. zap. Ukrniiproekta no 10 126-132 '63.

Short-delay blasting in medium hardness ores with fan distribution of the boreholes. N. I. Diadechkin and others. Gor. zhur. no. 5.39-40 My '64.

Theory and practices of blasting operations in the mining industry. V K.Rubtsov. Nauch.trudy Mosk.inst. radioelek.i gor.elektromekh. no 47;109-119 '63.

Vsesoiuznyi nauchno-issledovatel'skii institut metodiki i tekhniki razvedki. [Guide to boring and blasting operations in the making of exploratory boreholes] Rukovodstvo po burovzryvnym rabotam pri prokhodke gornorazvedochnykh vyrabotok. Sost. V A. Belogorodskii, A A Vainer, I. IA. Serebrin. Moskva, Izd-vo "Nedra," 1964. 231 p.

Working 433,7 meters of incline in a month. V.I. Rybalko, V.V.Antonov. Ugol' Ukr. 8 no. 3 43-45 Mr '64.

BLASTING—CONGRESSES

Scientific and technical conference on blasting high benches. Gor. zhur. no 11:74 N '63.

BLASTING—SAFETY MEASURES

Demchuk, P.A. [Water stemming of blastholes] Vodianaia zaboika shpurov. Moskva, Izd-vo "Nedra," 1964. 38 p.

[illegible] the blind] Vospitatel'naia rabota v shkole slepykh. Pod red. L. I. Solntsevoi. Moskva, Prosveshchenie, 1964. 57 p. (Pedagogicheskie chteniia)

BLONSKII, PAVEL PETROVICH, 1884-1941

P. P. Blonskii on work training and vocational education. A. I. Sviatkin. Shkola i proizv. 6 no. 6 2-5 Je '64

BLOOD

Effect of cerebellum injury on the peripheral blood of irradiated rats. L S. Gezalian, L. A. Gasparian. Vop. radiobiol. [AN Arm. SSR] 3/4:151-157 '63.

BLOOD—AGGLUTINATION

Characteristics of hemagglutination reaction caused by the viruses of diphasic meningoencephalitis and those of tick-borne encephalitis. S A Ananian, G I. Pivanova. Vop. med virus. no. 6 73-78 '59.

Comparative study of the strains of American equine encephalomyelitis in hemagglutination reaction and in neutralization experiments on mice. L L. Fadeeva, A. P. Pyrikova. Vop. med. virus. no. 6:261-264 '59.

Diagnostic significance of the heterohemagglutination reaction in Botkin's disease. B. L. Ugriumov, N B. Proskuriakova. Zhur mikrobiol., epid i immun 40 no. 6:114-118 Je '63.

Hemagglutinating activity of measles virus. S. A. Demidova and others. Vop virus no 6 701-706 N-D '63

Reaction of hemagglutination and inhibition of hemagglutination in transmissive viral infections. S. A. Ananian, G I. Pivanova. Vop. med. virus. no. 6 16-23 '59.

BLOOD—ANALYSIS AND CHEMISTRY

Age variations in the zinc content of the human blood. T. L. Dubina. Vestsi AN BSSR. Ser. biial. nav no. 1:87-91 '64.

Amino acids in the blood in hepatolenticular degeneration. V. P. Patrunova. Zhur. nevr. i psikh. 63 no. 6,819-823 '63.

Changes in the blood under the effect of prolonged repeated x-ray irradiation. A B. Rusakov, Z. IA. Vainer. Med rad. 8 no. 10 50-52 O '63

Cortical regulation of the blood in water deficiency. A. IU. IUnusov, Z. T. Tursunov. Trudy Inst. kraev. eksper. med. no. 5:37-40 '63.

Determination of three fractions of bilirubin by a simple micromethod in newborn infants. S I. Vodkailo. Lab. delo no. 2,89-93 '64.

Determining bilirubin in the blood serum. K. M. Sullo. Lab. delo no. 2:87-88 '64.

Effect of adrenomimetic agents on some biochemical and physical indices of the blood in horses. V. I. Zubchenkov. Trudy Smol. NIVS no. 2,128-130 '62.

Effect of caffeine and bromine on the morphological composition of the blood in hyperthermia of the organism. T. IU. IUldasheva. Trudy Inst. kraev. eksper. med. no. 5:194-202 '63.

Effect of chloral hydrate anesthesia on the restoration of some blood indices in sheep after blood loss. S I Sevast'ianov Trudy AZVI 12 285-290 '61

Effect of trace elements (cobalt and copper) on some blood indices in healthy calves. E F Dymko Trudy AZVI 12 365-368 '61

Hematological changes during a secondary pneumonia in calves. P N Razumovskii. Trudy Smol. NIVS no. 2: 32-38 '62.

Hematological characteristics of the meningeal form of tick-borne encephalitis. A. V. Eremian. Vop. med. virus. no. 6,89-92 '59.

Immunogenesis and nonspecific factors of natural resistance. Report No. 2. Effect of antirabies vaccination on the lysozyme content of human saliva and blood. D. F. Pletsityi, L. P Gorshunova, I. S. Fidel'man. Zhur. mikrobiol., epid. i immun. 40 no. 10 38-42 O '63.

Methodology for studying permeability of erythrocytes to P^{32} in patients with various hematocrit indices. V. V. Shishkina. Med. rad. 8 no. 10,92-94 O '63.

Methodology of determining bilirubin in the blood serum by photoelectrocolorimetry. O. A. Nuromskaia. Lab. delo no. 2;96-98 '64.

Picture of peripheral blood and its coagulation time in rabbits with a transplanted osteogenic sarcoma. Z. N. Karimov, S. S. Savchenko, A. [illegible] Edlichka. Trudy Inst. kraev. eksper. med no. 5:184-187 '63.

Picture of peripheral blood in patients treated with cardiac glycosides. O. T. Tadzhibaev. Trudy Inst. kraev. eksper. med. no. 5 164-168 '63.

Rapid method of determining bilirubin in the blood serum. Z. N. Babit. Lab. delo no. 2;98-99 '64.

Reserve alkalinity and glutathione in the blood of calves as related to the age and zone of raising and their changes during the treatment of suppurative catarrhal bronchopneumonia with antibiotics. Sh. T. Tobkanov. Trudy AZVI 12,488-497 '61.

Use of the titrometric method for determining the alkaline reserve of the blood in acute renal insufficiency. G. V. Dervis, I. L. Vinogradova, A. A. Safarova. Lab. delo no. 2;67-70 '64

tion of the aorta in man [with summary in English]. M. N. Anichkov, I. D. Lev Arkh. anat. gist. i embr. [illegible] no. 10 36-51 O '62.

Changes in hemodynamics and some indices of [illegible] metabolism in the cerebral form of hypertension. [illegible] Isazade Kardiologiia 3 no 6 2[illegible]-31 N-D '63

BLOOD—CIRCULATION, ARTIFICIAL

Complications following experimental surgery using artificial blood circulation [with summary in English]. V. Gatkin. Eksp khir i anest 8 no 5 [illegible] '63

BLOOD—CIRCULATION, DISORDERS OF

Changes in the hemodynamics in burn disease. [illegible] Kliachkin and others. Vest. AMN SSSR 18 no 10:[illegible] '63.

Etiology, clinical aspect and treatment of circulatory insufficiency by means of cardiac glycosides. [illegible] Kel'ginbaev. Trudy Inst. kraev. eksper. med. no. [illegible] 117-157 '63.

Role of newly formed and existing collaterals in the restoration of blood circulation in some organs of the abdominal cavity. T. P. [illegible]. Arkh. anat. gist. i embr. 43 no. 10 55-60 O '62.

State of the intraorgan blood supply of the posterior extremity in rabbits under conditions of disturbed blood supply [with summary in English]. IU. I. [illegible]skii. Arkh. anat. gist. i embr. 43 no. 10 71-76 O '62

BLOOD—COAGULATION

Diagnostic significance of the study of the blood coagulation system in gastrointestinal hemorrhage. IU. [illegible] Dede[illegible], I. IA Sukhoverova Khirurgiia 39 no. 8 [illegible] 88 Ag '63

Effect of [illegible] on the prothrombin index and the duration of hemorrhages. U. Fatkhullaev, N. S. Kel'ginbaev. Trudy Inst. kraev. eksper. med. no. 5: 192-193 '63.

Effect of strophanthin K on some factors of blood coagulation. I. Fatkhullaev, M. [illegible]. Trudy Inst. kraev. eksper. med. no. 5:168-172 '63.

Picture of peripheral blood and its coagulation time in rabbits with a transplanted osteogenic sarcoma. Z. N. Karimov, S. S. Savchenko, A. [illegible] Edlichka. Trudy Inst. kraev. eksper. med. no. 5 103-107 '63.

Some blood coagulation factors in cancer of the stomach and esophagus. P. M. Iuskhanov, M. D. Lapin Khirurgiia 39 no. 8 88-92 Ag '63.

BLOOD—COLLECTION AND PRESERVATION

Evaluation of the biological full value of preserved blood by determining the life span of Cr^{51}-labeled erythrocytes [with summary in English]. I. N. Tal'[illegible], M. G. Shitikova. Med. rad. 8 no. 10:3-6 O '63.

BLOOD—DISEASES

Dygin, V. P. [Autoimmune diseases of the blood system, serology, clinical aspects and treatment] Autoimmunnye zabolevaniia sistemy krovi, serologiia, klinika i lechenie. Leningrad, Meditsina, 1964. 221 p. (DNLM)

BLOOD—PARASITES

Infestation of wild birds and rodents with blood parasites in eastern Kazakhstan. S. I. Rybalko, [illegible], T. A. Maknaycheva. Vest. sel'khoz. nauki [Kazakhstan] [illegible] no. 4:56-58 Ap '64.

Some forms of specificity in [illegible]sky, 1913, in White Russia. N. I. Dyl'ko. Vestsi AN BSSR. Ser biial. nav. no. 1:135-136 '64.

BLOOD—SEDIMENTATION

C-reactive protein in different dermatoses. N. A. [illegible]tina Vest. derm i ven 37 no [illegible] '63

BLOOD—TRANSFUSION

Characteristics of the course of myocardial lesions in radiation sickness under conditions of transfusion of blood BK-8 and polyglucin [with summary in English]. IU. B. Kofanova. Med. rad. 7 no. 10:57-65 O '61

Hemolysis of erythrocytes in radiation sickness [with summary in English]. M. G. Shitikova. Med. rad. 8 no. 10:20-25 O '63.

Methods improving the outcome of primary amputations of the limbs. A. Z. Magomedov. Sov. med 27 no 10 87-90 O '63

Physiological effect of heterogeneous blood in vegetative hybridization of hens [with summaries in English, German, and French]. A. M. Gromov, S. D. Samoilkina. Vest. sel'khoz. nauki 8 no. 9:81-83 S '63

Possibilities of using non-citrated erythrocyte suspensions for total blood substitution in animals. [illegible]nik. Eksp. khir i anest. 8 no 5 90-92 S-O '63

Surgical intervention in hemophilia. V. I. Trubachev. Khirurgiia 39 no. 8:80-82 Ag '63.

Use of radioactive chromium for the study of the viability of polycythemic blood transfused to patients with chronic leukemia [with summary in English]. V. V. Shishkina, V. D. Sidora. Med. rad. 8 no. 10:18-20 O '63.

BLOOD CELLS

Determination of the number of splenokaryocytes in mice. R. K. Kaluzhenko, A. I. Drozd. Lab. delo no. 2:104-105 '64.

Characteristics of the course of myocardial lesions in radiation sickness under conditions of transfusion of blood BK-8 and polyglucin [with summary in English]. IU.B. Kofanova. Med. rad. 8 no.10:57-65 O '63.

Possibilities of using non-citrated erythrocyte suspensions for total blood substitution in animals R B Gutnik Eksp khir i anest 8 no 5 90-92 S-O '63

Possibility of using Belen'kii's serum in the treatment of complex lesions A L Komendantova, K V Botsmanov Eksp. khir i anest 8 no 5 47-48 S-O '63

BLOOD PLATELETS

Osmotic resistivity of blood platelets in irradiated rabbits I.G. Batikian. Vop. radiobiol. [AN Arm.SSR] 3/4: 309-313 '63.

BLOOD PRESSURE

Changes in the hemodynamics in burn disease. L. M. Klfachkin and others. Vest. AMN SSSR 18 no.10:9-15 '63.

Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase. V.M.Mukhin, G.V.Anisimova. Zhur.nevr.i psikh. 63 no.6:853-858 '63.

Venous pressure during pneumoencephalography in patients with some neuro-organic diseases. V A Kiselev. Trudy Gos. nauch.-issl psikhonevr. inst 31:277-283 '63.

BLOOD PRESSURE—MEASUREMENT

Device for continuous recording of arterial pressure by an indirect method. A.A Eman. Nov.med.tekh. no.5: 58-60 '61.

Methodology of measuring arterial pressure in the legs V.V Razumov Kardiologiia 3 no 6 83 N-D '63

Relationship between the arterial and cerebrospinal fluid pressures in insultus. V.K.Kamenetskii. Zhur.nevr.i psikh. 63 no.6:862-866 '63.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEINS

C-reactive protein in different dermatoses N A Dobrotina. Vest.derm i ven. 37 no 9 9-13 S '63.

C-reactive protein in lupus erythematosus and other dermatoses L.S Reznikova, L I Trofimova Vest derm i ven 37 no.9 3-9 S '63

Content of protein fractions in the blood serum in rabbits with a transplanted osteogenic sarcoma. Z.N.Karimov, F.B.Subkhankulova. Trudy Inst.kraev.eksper.med. no.5:188-191 '63.

Dynamics of protein fractions in the blood serum after chloroprene intoxication. IU.A.Kechek, L.V.Semerdzhian. Izv.AN Arm.SSR.Biol.nauki 15 no.5:63-70 My '62.

Electrophoretic study of the protein composition of blood serum of immunized rabbits. M.O.Pogosian. Vop. radiobiol. [AN Arm.SSR] 3/4:141-144 '63.

Preparative fractionation of blood proteins by the method of continuous electrophoresis in the EFP-2 apparatus. N.N.Lapteva and others. Vop.med.khim. 9 no.1. 84-89 Ja-F '63.

BLOOD PROTEINS—SPECTRA

Protein spectrum of the blood serum of Caucasian brown calves S I. Tagi-Zade. Dokl.AN Azerb.SSR 20 no 2:71-74 '64.

BLOOD SUGAR

Blood sugar levels in dogs following subtotal resection of the pancreas and pancreatic duodenal resection [with summary in English] V.I.Serga. Eksp.i khir.i anest 8 no 5 37-40 S-O '63.

Effect of adrenaline on the blood sugar in irradiated and nonirradiated animals as influenced by aminazine. A.A.Akopian, M.A.Manukian. Vop.radiobiol.[AN Arm. SSR] 3/4:269-273 '63.

Effect of the chronic injection of strontium-90 on the sugar content of blood and glycogen in liver. A.V. Fedorova, A.A.Mirzoian. Vop.radiobiol.[AN Arm. SSR] 3/4:121-125 '63.

Effect of the stimulation of adrenergic structures of the reticular formation on the course of interoceptive metabolic reflexes. L.I.Belen'kii. Izv.AN Azerb.SSR. Ser.biol.i med.nauk no.2:105-112 '62.

Glycemic reactions in foals during intravenous administration of glucose. M.I.Nemchenko. Trudy Smol. NIVS no.2:204-212 '62.

BLOOD VESSELS

B. A. Dolgo-Saburov - one of the outstanding representatives of Soviet functional anatomy. E.P.Mel'man. Arkh.anat.gist.i embr. 43 no.10:116-120 O '62.

Distribution of lipolytic enzymes in the walls of different human vessels. F.L.Leites, M.A.Golosovskaia. Dokl.AN SSSR 156 no.4:941-944 Je '64.

BLOOD VESSELS—ABNORMITIES AND DEFORMITIES

Plastic properties of the blood vessels under altered conditions of blood flow [with summary in English]. A. P. Liubomudrov. Arkh.anat.gist.i embr. 43 no.10:92-101 O '62.

BLOOD VESSELS—DISEASES

Val'dman, V.A. [Problems in vascular pathology; formal address on February 24, 1964] Voprosy sosudistoi patologii; aktovaia rech' (24 fevralia 1964 g.) Leningrad, Leningr. pediatricheskii in-t, 1964. 17 p. (DNLM)

BLOOD VESSELS—RADIOGRAPHY see Angiography

BLOOD VESSELS—SURGERY

Application of a vascular suture using new instruments V.M Poliakov Eksp khir i anest. 8 no 5 19-21 S-O '63

Mechanical vascular sutures in a growing organism. N.P.Petrova Khirurgiia 39 no.8:108-113 Ag '63

BLOOD VOLUME

Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia [with summary in English]. V.D.Sidora Med. rad 8 no.10 25-31 O '63

Determination of the circulating blood volume using radioactive chromium [with summary in English]. V.D.Sidora. Med.rad. 8 no 10:7-10 O '63.

Method of determination of the content of blood in organs and tissues. A.V.Tkachenko. Vop.med.khim. 9 no.1:71-76 Ja-F '63.

Perfecting the formulas of computing the volume of circulating blood in animals by the stain-colorimetric (infusion) method Calculating table Zh Bekmurzaev Trudy AZVI 12 611-618 '61

BLOODLETTING

Combined effect of irradiation and blood loss on the phagocytic activity of leucocytes in rabbits. M.I. Alaverdian, M.A.Movsesian, T.Kh.Marukian. Vop. radiobiol.[AN Arm.SSR] 3/4:17-26 '63.

Treatment of radiation sickness complicated by loss of blood. M.A.Movsesian. Vop.radiobiol.[AN Arm.SSR] 3/4:27-36 '63.

BOARDING SCHOOLS see subdivision under Leningrad

BOATBUILDING

Simonovich, I.Z. [Pioneer, you can learn to be a shipbuilder] Pioner - sudostroitel'. Moskva, Izd-vo "Detskaia literatura," 1964. 140 p. (Shkol'naia biblioteka. Bibliotechka pionera "Znai i umei")

BOBRUYSK (MOGILEV PROVINCE)—ELECTRIC POWER DISTRIBUTION

Use of closed-loop 6 and 0.38 kv. networks in Bobruysk S.I.Boichuk. Trudy LIEI no.41.91-99 '62.

BOBRUYSK (MOGILEV PROVINCE)—FLOUR MILLS—ECONOMIC ASPECTS

Economic councils staffed with volunteers and the bureau of economic analysis. M.Kashkurevich and others. Muk.-elev.prom. 30 no.5:10-11 My '63.

BODY TEMPERATURE

Thermoregulation in the postnatal development of small birds I A.Shilov, M B Nikolaeva. Ornitologiia no 6 451-455 63

BOGDESKO, IL'IA T.

Bogdesko, I.T. [Drawings] Risunki. Kishinev, Gos. Izd-vo "Kartia Moldoveniaske," 1963. [8], 80 p. illus.

BOGODUKHOV (KHARKOV PROVINCE)—MILITARY EDUCATION

At the center of attention. N.Stanovov. Voen.znan. 40 no.4:29 Ap '64.

BOILERS

Aging of some boiler steels. A.Z.Kontorovskii, K.I. Vasiuchkova, T.P.Kuznetsova. Teploenergetika 11 no.4:34-37 Ap '64.

Calculation of minimal temperature pressures with single-stage distribution in the tail heating surfaces of a boiler A.V Zmachinskii. Sbor nauch.soob.SPI no 17 77-86 '62

Change in mechanical and heat resistance characteristics of boiler steel during cold bending and subsequent long exposures to high temperatures. E.I.Krutasova. Teploenergetika 11 no.4:38-42 Ap '64.

Combustion of gaseous fuel under high pressure in the presence of water and other inert media V M.Ivanov, A.M Alekseev, Z.I.Frenkina. Teploenergetika 11 no.3:12-18 Mr '64.

Comparative tests of the burners of boilers operating with hammer mills V.D.Krigmont, N M Myzikova Elek.sta. 35 no 2:6-9 F '64.

Controlling gas fed to a boiler N S.Sokolov. Gaz. prom. 9 no.5:28-29 '64.

Determination of optimum air heating temperature in single-stage boiler air preheaters A V.Zmachinskii. Teploenergetika 11 no.3 32-36 Mr '64.

Double-flow main steam supply line. D.L.Kostovetskii, K.I.Boladzhi. Energomashinostroenie 10 no.4:9-12 Ap '64.

Effect of feedwater heating on the choice of optimum temperature of the exhaust gases of boilers. A V Zmachinskii. Sbor.nauch.soob SPI no.17 87-97 '62

Effective system of utilizing the heat of continuous boiler scavenging L N IArmak Sbor nauch soob SPI no 17 105-110 '62

Even distribution of shot along the profile of the gas conduit of a boiler. M.M.Przhialkovskii, V.N. Koverdiaev. Energomashinostroenie 10 no.4 6-9 Ap '64.

Experience in the operation of an automatic control system with impulse taking into account O_2 content B I Saburov Teploenergetika 11 no 3 43-46 Mr '64

Firing system of high-pressure drum boilers with transverse steam coupling. F.M.Lebedev. Energetik 12 no.5.11-13 My '64.

Gas and fuel oil burners with increased range of regulation. IA.P Storozhuk, V A Pavlov Energomashinostroenie 10 no 2:20-23 F '64.

"Handbook for heat engineering workers of industrial enterprises" by I.I.Kasatkin. Reviewed by V.N.Klochkov. Prom.energ. 19 no.5:61 My '64.

Heating of steam boiler mazut A I.Dvoretskii. Energetik 12 no.5.38-39 My '64.

ISV-120 evaporator with two-stage steam scrubbing. E.K.Golubev, A.A.Shiriaev. Teploenergetika 11 no.4:31-34 Ap '64.

Increase in the life of boiler furnace lining. M.I. Leifman, V.I.Maslov. Prom.energ. 17 no.6 10-13 Je '62.

Increase of slagless power of boilers operating on coal of the Moscow region. V.A.Kryzhanovskii and others. Teploenergetika 11 no.4 10-15 Ap '64.

Increasing the evaporative capacity of vertical water tube boilers. E.I.Shipov, A.M.Oshurkov, M.IA.Khinkis. Prom.energ. 17 no.6 34-36 Je '62.

Installation of boiler units. P.I.Dremliuga. Energ. stroi. no.4 24-34 '63.

Operation of furnaces with pneumatic and mechanical loading devices on different types of coal E V Nechaev. Energomashinostroenie 10 no 2:11-14 F '64

ORGRES, trust, Moscow. [Methods for adjusting the automatic control systems of once-through type boilers] Metodika naladki sistem avtomaticheskogo regulirovaniia priamotochnykh kotlov. Moskva, Izd-vo "Energiia," 1964. 110 p.

Principal dimensions of once-through type boilers for 1500 Mw blocks. Teploenergetika 11 no.4:2-10 Ap '64.

Prospects of using synthetic materials in the manufacture of boilers D I Grekov and others Teploenergetika 11 no 3:28-32 Mr '64

Redesigning of the NZL-450 boiler in connection with its conversion to operation on natural gas. V.N.Mukhin, K.A.Zelenov, M.S.Lopatina. Energetik 12 no.5:13-14 My '64.

Regulation of steam temperature during firing and loading of a boiler N A Sovetov Elek stat 35 no.1 2-4 Ja '64

Regulation of the temperature of superheated steam by varying the intensity of the flame in a boiler operating on natural gas M A.Shuvalov, L B Zakharova, L N IArmak Sbor nauch soob SPI no 17 98-104 '62

Stand measurements of the effectiveness of the introduction of magnesite into the flue gases of a boiler operating on high-sulfur mazut. G.K Krasnoselov, V.K Miasnikov. Elek sta 35 no 3 13-15 Mr '64.

Study of combustion and heat exchange in the furnace of the TP-15 boiler operating on anthracite culm and natural gas. V E Egorov Teploenergetika 11 no.3 6-12 Mr '64

Study of the firing of high-pressure boilers with natural circulation A.A Madoian Elek sta 35 no 2 2-5 F '64.

Study of the formation of deposits on the screen of TP-90 boilers. V N Golovin. Teploenergetika 11 no 3 23-38 Mr '64

Temperature conditions of the heating surfaces of the TP-170 boiler operating on natural gas with increased loads G M Poliakov, V.I Kulachkov Sbor nauch soob SPI no 17.65-76 '62

Testing of MP-VTI ash collectors. E.T.Darovskii, V T.Veselov Teploenergetika 11 no 3 36-38 Mr '64

Testing the vertical cylindrical VGD-40 boilers equipped with a prechamber medium-pressure injection burner. L.I.Dorfman, A.N.Kuzhavskii. Gaz.prom. 9 no 5: 23-25 '64.

Using ZAUS regulators at the Novosibirsk Heat and Electric Power Plant no.4. B.V.El'tsov, S M Komarov Priborostroenie no.5:22-23 My '64

Utilization of the existing pressure of centrifugal burners. Z.I.Goller, V.I.Ashikhmin, N.V.Shevchenko. Teploenergetika 11 no.4:20-22 Ap '64.

BOILERS—CLEANING

Automation of a continuous scavenging process using a salinometer transducer. A.I.Nudel'man, V P Filatov. Elek.sta 35 no.2 20-23 F '64.

BOILERS—EQUIPMENT AND SUPPLIES

Nomenclature on equipment for chemical water purification, continuous scavenging apparatus, and heat exchangers manufactured by the Taganrog and Biysk boiler factories. Energetik 12 no.5:47-48 My '64.

with liquid fuel. G.I.Arofriev, A.M.Krapivin. Trudy DIIT no.40 188-192 '62

BOILERS—INCRUSTATIONS

Effect of magnetic field on the decrease of incrustations [illegible] M.I.Veitus, I.I.Tsapiv. Dokl. LPI [illegible] 1/2 [illegible] '61.

BOILERS—MAINTENANCE AND REPAIR

Accelerated [illegible] of [illegible] drum boilers. G.G. Zar[illegible] Elek. stat. 35 no.1 79-80 Ja '64

Kuvarskii, L.G. [Protection of boilers from incrustations and soot accumulation] Zashchita parovykh kotlov ot shlakovaniia i zanosa zoloi. Moskva, Izd-vo "Energiia," 1964. 270 p.

BOILERS—TESTING

Investigating the performance of steam boilers fired with liquid fuel. G.I.Arofriev, A.M.Krapivin. Trudy DIIT no. 40 188-192 '62.

ORGRES, trust, Moscow. [Methods of industrial thermochemical testing of barrel boilers] Metodika ekspluatatsionnykh teplokhimicheskikh ispytanii barabannykh kotlov. Moskva, Izd-vo "Energiia," 1964. 126 p.

Testing of the SU-13-39 boiler with a Shershnev furnace system operating on milled peat. E.V.Nechaev, IA.V. Gatlish, M.Kh.Vinokurov. Prom. energ. 19 no.5: 27-30 My '64

BOILERS—WATER SUPPLY

Evaluation of the operational efficiency of turbo feed pumps. I.N.Pasikinskii, A.G.Ternogin, B.IA.Bekker. Elek. stat. 35 no.1 19-24 Ja '64

Means for realizing individual feed in drum boilers. I.I.Vusler. Elek. stat. 35 no.1 4-5 Ja '64

BOILERS, MARINE

Calculating the heat exchange in mazut-operated marine boiler fireboxes. N.I.Pushkin, D.I.Volkov. Sudostroenie 30 no.5:29-30 My '64.

Use of distilling and boiler equipment on a BMRT-type boat (large freezer trawler). N.I.Khomenko. Ryb. khoz. 40 no.1 42-46 '64.

BOILERS, MARINE—COMBUSTION

Regulation and control of the combustion process in marine boilers. G.A.Zakharov. Sudostroenie 30 no.5:26-29 My '64.

BOILING POINTS

Application of the methods of comparative calculation for estimating the properties of substances in corresponding states. Part 1. M.Kh.Karapet'iants, G.V.Zhukov. Zhur. fiz. khim. 38 no.4:1015-1018 Ap '64.

BOILING WATER REACTORS

Calculating the critical state of a boiling reactor. IU.A. Platovskikh. Inzh.-fiz. zhur. 7 no.5 92-95 My '64

BOLDYREV, ANATOLII KAPITONOVICH, 1883-1946

The last years of the scientific activities of A.K.Boldyrev. V.F.Allavdin. Zap. Vses. min. ob-va 93 no.2 173-178 '64.

Mineralogical school of A.K.Boldyrev. D.P.Grigor'ev. Zap. Vses. min. ob-va 93 no.2 163-167 '64

Role of A.K.Boldyrev in the development of crystallography. I.I Shafranovskii. Zap. Vses. min. ob-va 93 no.2 168-172 '64.

BOLETACEAE see subdivision under White Russia

BOLLWORM—EXTERMINATION see subdivision under Tajikistan

BOLOMETER

Ordered motion of particles in an Alpha plant. S.A. Bel'skii. Zhur. tekh. fiz. 34 no.2,272-279 F '64.

BOLSHEVISM see Communism

BOL'SHEZEMEL'SKAYA TUNDRA—GEOLOGY, STRATIGRAPHIC

Silurian sediments of the Chernov upheaval (Bol'shezemel'skaya Tundra). G.A.Chernov. Dokl. AN SSSR 156 no.4:843-846 Je '64.

BOL'SHOY TOKMAK REGION (UKRAINE)—GEOLOGY, STRATIGRAPHIC

Selin, IU.I. [Stratigraphy and Oligocene mollusks in the Bol'shoy Tokmak manganese ore region] Stratigrafiia i molliuski oligotsena Bol'she-Tokmakskogo margantserudnogo raiona. Moskva, Izd-vo "Nedra," 1964. 238 p. illus.

BOL'SHOY TOKMAK REGION (UKRAINE)—MOLLUSKS, FOSSIL

Selin, IU.I. [Stratigraphy and Oligocene mollusks in the Bol'shoy Tokmak manganese ore region] Stratigrafiia i molliuski oligotsena Bol'she-Tokmakskogo margantserudnogo raiona. Moskva, Izd-vo "Nedra," 1964. 238 p. illus.

BONES

Characteristics of the histological structure of the skeleton of animals as related to their body constitution. I.I.Khotsianovs'kyi. Nauk. pratsi Zootekh. fak. Kam.-Pod. sil'hosp. inst. 5 41-46 '63.

[illegible] ments of iodine. V.T.Gorianov. Nauk. pratsi Zootekh. fak. Kam.-Pod. sil'hosp. inst. 5 47-51 '63

Radioactivity of the skeleton of newborn children. M.L. Arutiunian, V.A.Akopova, V.O.Ovanesian. Vop. radiobiol. [AN Arm. SSR] 3/4:201-204 '63

BONES—CANCER

Clinical X-ray characteristics of metastatic melanomas of bones. M.M.Nivinskaia, I.L.Tager, I.I. Presman. Vest. rent. i rad. 38 no.6,3-8 N-D '63.

Growth of Guerin's carcinoma in the regeneration zone of bones in rats. IA.G.Erenpreis. Vop. onk. 8 no.12. 51-57 '62.

Secondary bone lesions in cancer of the female genitalia. V.A.Mandel'shtam. Vop. onk. 8 no.11:89-96 '62.

BONES—DISEASES

On transformation of bone structure related to functional stress. S.N.Popov. Vest. rent. i rad. 38 no.6:15-17 N-D '63.

BONES—RADIOGRAPHY

Clinical X-ray characteristics of metastatic melanomas of bones. M.M.Nivinskaia, I.L.Tager, I.I. Presman. Vest. rent. i rad. 38 no.6:3-8 N-D '63.

Dynamics of changes in the X-ray picture of bones of children in Cooley's congenital familial hemolytic anemia. Kh.N.Abrakhanova. Vest. rent. i rad. 38 no.6. 18-23 N-D '63.

Kagan, E.M. [Tomography of the bones and joints; the trunk and the extremities] Tomografiia kostei i sustavov, tulovishcha i konechnostei. Moskva, Meditsina, 1964. 253 p.
(DNLM)

BONES—TUBERCULOSIS

Kornev, P.G. [Surgery of osteoarticular tuberculosis] Khirurgiia kostno-sustavnogo tuberkuleza. [Leningrad] Meditsina, 1964. 549 p.
(DNLM)

BONES—TUMORS

Changes in the bones in multiple idiopathic hemorrhagic Kaposi's sarcoma. Z.I.Mitikhina. Vest. rent. i rad. 38 no.6:58-59 N-D '63.

Giant-cell tumor of bones. A.G.Baranova, L.A. Cherkasskii. Vop. onk. 8 no.12:81-92 '62.

Review of M.N.Volkov's book "Primary tumors of the bones in children (detection and surgical treatment)." N.P.Novachenko. Khirurgiia 39 no.8:132-133 Ag '63.

BONUS SYSTEM

Economic incentives for the introduction of new machinery. A.Basistov. Vop. ekon. no.5:23-34 My '64.

Experiment and economic work in an enterprise. V.L'vov. Sots. trud 9 no.6:32-36 Je '64.

Experimental application of the new system of issuing bonuses to managerial, engineering and technical workers and employees in industry. V.Chupyr'. Sots. trud 9 no.5:15-25 My '64.

Improving planning systems. Sots. trud 9 no.6:15-17 Je '64.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud 9 no.5:140-141 My '64.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud 9 no.6:139-142 Je '64.

Indices, norms and the bonus fund. V.Bitunov. Sots. trud 9 no.6:23-31 Je '64.

Issuing bonuses to workers for production quality. A.Teverovskii. Sots. trud 9 no.6:37-41 Je '64.

New standard regulations. Sov. profsoiuzy 20 no.9:40 My '64.

New standard regulations. Sov. profsoiuzy 20 no.11:43 Je '64.

Planned indices and the economic incentives for the efficient use of capital assets. P.Bunich. Vop. ekon. no.6,28-43 Je '64.

Planning work loads in stopes and awarding bonuses to stopers and engineers of sections and mines in the Donets Basin. D.K.Chuzhinov. Ugol' Ukr. 8 no.3: 38-40 Mr '64.

Preparation in a regional economic council. M.Gliantsev. Sots. trud 9 no.6:18-22 Je '64.

Rewarding of the workers of electric equipment plants. Avtom. telem. i sviaz' 8 no.2,15 F '64

Wages and bonuses to construction workers. G.Shtefan. Sots. trud 9 no.5:132-139 My '64.

Wages and bonuses to sugar factory workers. Sots. trud 9 no.6:136-138 Je '64.

BOOK ORNAMENTATION

Zernova, A.S. [Ornamentation of books in Cyrillic characters from Moscow presses, 1677-1750, an atlas. In commemoration of the 400th anniversary of Russian printing] Ornamentika knig moskovskoi pechati kirillovskogo shrifta, 1677-1750; atlas. K 400-letiiu russkogo knigopechataniia. Moskva, Gos. biblioteka SSSR, im. V.I.Lenina. Otdel redkikh knig, 1963. 165 p. illus.

pisanoe proizvodstvo. Moskva, "Iskusstvo," 1963. 382 p.

Economic effectiveness of comprehensive mechanization of assembly lines at stitching and bookbinding shops of printing plants. IU.O.Barnych. Nauk. zap. Ukr. p[illegible] inst. 15:30-45 '62.

Technical and economic characteristics of variants of the technological equipment for mechanizing binding operations. IU.O.Barnych. Nauk. zap. Ukr. poligr. inst. 15:18-60 '62.

BOOKPLATES, LATVIAN

[Twenty Latvian bookplates] 20 (Divdesmit) Latviesu gramatzimes. Riga, Latvijas Valsts izd-ba, 1963. 6 p. plates (in folder) [In 5 languages]

BOOKS

Four hundred years of Russian book printing. A.II. Karinian. Izv. AN Arm. SSR. Obshchestv. nauki no.4 15-30 Ap '64.

BOOKSELLERS AND BOOKSELLING

Books for agricultural workers. D.Reshin. Part. zhizn' no.11:72-73 Je '64

Gorin, M.A. [Study of the book trade in sociopolitical literature; a textbook] Tovarovedenie obshchestvenno-politicheskoi literatury; uchebnoe posobie. Moskva, Sovetskaia Rossiia, 1964. 230 p.

BOOLEAN FUNCTIONS

Algorithm for solving Boolean equations. A.[illegible], K.Chulik. Avtom. i telem. 25 no.3:374-381 Mr '64

BOOTS AND SHOES

Determining the coefficient of the bearing stiffness of the rear part of the sole. V.N.Tsvetkov. Izv. vys. ucheb. zav.; tekh. leg. prom. no.2:156-160 '64.

BOOTS AND SHOES, RUBBER—TESTING

Friction of sole rubber. Z.A.Gritsenko, G.I.Kub[illegible], B.A.Safrai. Izv. vys. ucheb. zav.; tekh. leg. prom. no.2:92-95 '64.

BORATES—PHYSIOLOGICAL EFFECT

Effect of borate on ammonia formation in brain preparations. G.S.Iordanishvili. Trudy Inst. fiziol. AN Gruz. SSR 13:161-180 '63

BORAX

Kinetics of borax dissolution in aqueous electrolyte solutions. R.L.Mueller, R.TS.Adzhemian. Zhur. fiz. khim. 36 no.9:1877-1881 S '62.

BORDER PATROLS

Always on guard; on the occasion of Border Guard's Day. N.Zaitsev. Agitator no.9:56-57 My '64

Forty-five years on guard of the Soviet borders. M.Smirnov. Voen.-ist. zhur. 5 no.5:128-129 My '63.

BORING

(see also subdivision under Kizel Basin)

Calculating the thickness of the enclosing frozen ground when drilling shafts using the freezing method. IU.K. Zaretskii. Merzl. issl. no.3:251-255 '63

Characteristics of thermal piercing of boreholes in complex ore deposits. A.P.Dmitriev, IU.P.[illegible], Kh.Kh.Shamirzaev. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.47:67-76 '63.

Density of the exploratory network in the stage of detailed exploration of the Upper Kama deposit. V.I. Kopnik, V.I.Raevskii, L.A.Lebentsov. Nauch. trudy PermNIUI no.4:30-39 '62.

Efficiency of using sloped boreholes in Perm Province limestone quarries. S.P.Domb, R.P.Potekhin. Nauch. trudy PermNIUI no.4:130-132 '62.

Estimating the possibilities of the supersonic method for controlling the thickness and the quality of a frozen ground-wall in the drilling of shafts using the freezing method. A.D.Frolov. Merzl. issl. no.3 236-244 '63.

Investigating the depth and number of boreholes in [illegible] horizontal workings in homogeneous rock on the basis of progressive practice. P.V.Sdobnikov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.47:[illegible] '63.

Investigation of rotary drilling of boreholes in strip mines of the "Soiuzasbest" Trust. M.G.Tokar'. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.47:[illegible] '63.

Investigation of rotary-percussion drilling of boreholes with compressed-air drills. D.N.Makarevich. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.47: 36-40 '63.

Jet piercing of boreholes with formation of pot holes. I.F.Oksanich, V.I.Doroshenko. Gor. zhur. no.5 36-39 My '64.

Restoration of the temperature field of rocks after boring a well. I.M.Kutasov. Izv. AN SSSR. Ser. geofiz. no.5 742-746 My '64.

Safe and efficient method for positioning advance boreholes. F.D.Shevlakov, I.IA.Kokorin. Ugol' Ukr. 8 no.1:43-44 Ja '64.

Selecting a place for drainage boreholes. B.I. Shrago. Ugol' Ukr. 8 no.1,44-45 Ja '64.

Short-delay blasting in medium hardness ores with fan distribution of the boreholes. N.I. Diadechkin and others. Gor.zhur. no.5;39-40 My '64.

Vsesoiuznyi nauchno-issledovatel'skii institut metodiki i tekhniki razvedki [Guide to boring and blasting operations in the making of exploratory boreholes] Rukovodstvo po burovzryvnym rabotam pri prokhode gornorazvedochnykh vyrabotok. Sost. V.A. Belogorodskii, A.A. Vainer, I IA. Serebrin. Moskva, Izd-vo "Nedra," 1964. 231 p.

BORING—EQUIPMENT AND SUPPLIES

Using hydraulic giants for the drilling of boreholes. S.M. Kuliev, A.E. Kuliev. Trudy VNIIGidrouglia no.2 114-119 '63.

BORING—TESTING

Investigating the efficiency of diamond drilling of blast holes in hard ores during the underground mining of a deposit. A.V. Kasatochkin. Nauch trudy Mosk.inst. radioelek.i gor elektromekh. no.47;76-93 '63.

BORING MACHINERY

Equipment used in horizontal boring for trenchless laying of pipes and casings G E Lavrov. Mont.i spets rab v stroi 26 no 5 18-21 My '64

Markovich, N.M., V.S. Marshev, and G.E. Zvanskii. [Rotary percussion machinery for drilling holes] Vrashchatel'no-udarnye ustanovki dlia bureniia shpurov. Moskva, Izd-vo "Nedra," 1964. 157 p.

Selecting the efficient power for an electric motor of electric hand drills. P.N. Iudin. Nauch.trudy Mosk. inst.radioelek.i gor.elektromekh. no.47;94-108 '63.

Steel for small diameter bore rods. I.V. Patsov, R.I. Shukiurov. Gor.zhur. no.11;41-44 N '63.

Study of transient processes in controlled machinery designated for working steeply pitching seams. M.K. Strel'tsov. Ugol' Ukr. 8 no.1:23-24 Ja '64.

Technical and economic indices for roller bit drilling of boreholes in U.S.S.R. strip mines. A.F. Sukhanov, P.P. Nazarov, B.N. Kutuzov. Nauch.trudy Mosk.inst. radioelek.i gor.elektromekh. no.47;5-19 '63.

Vibroshock unit for horizontal drilling. D.D. Barkan, N.IA. Kershenbaum, V.I. Minaev. Trudy MINKHiGP 46:34-45 '64.

BORING MACHINERY—COOLING

Machines for jet piercing with a ring system of cooling. A.N. Moskalev and others. Gor.zhur. no.5:45-46 My '64.

BORING MACHINERY—DESIGN AND CONSTRUCTION

Increasing the strength of bore rods for rock drilling. I.B. Preshman, A.A. Popov. Ugol' Ukr. 8 no.1;21-22 Ja '64.

BORING MACHINERY—SAFETY MEASURES

Gushchin, V.I. [Safety manual for operators of equipment for churn drilling] Pamiatka po tekhnike bezopasnosti dlia mashinista stanka udarno-kanatnogo bureniia. Moskva, Stroiizdat, 1964. 28 p. (Tekhnika bezopasnosti v stroitel'stve)

BORING MACHINERY—TESTING

Efficient conditions of using bore bits for submersible compressed-air drills. M.I. Onotskii. Nauch.trudy Mosk.inst.radioelek.i gor.elektromekh. no.47;40-58 '63.

Investigation of combination drilling of boreholes in strip mines. A.F. Sukhanov and others. Nauch.trudy Mosk.inst.radioelek.i gor.elektromekh. 47:20-35 '63.

Investigation of rotary-percussion drilling of boreholes with compressed-air drills. D.N. Makarovich. Nauch. trudy Mosk.inst.radioelek.i gor.elektromekh. no.47: 36-48 '63.

BORING MACHINERY—VIBRATION

Equation for the longitudinal vibration of a drilling string. P.V. Balitskii. Trudy MINKHiGP 46;60-63 '64.

BORISOGLEVSKII, VIKTOR VALER'IANOVICH, 1913-1964

Viktor Valer'ianovich Borisoglevskii. Sots.zakon. 41 no 3 66 Mr '64

BOROLANE

Synthesis of 2-alkyl-1,2-oxaborolanes. B.M. Mikhailov, V.A. Dorokhov. Izv.AN SSSR.Ser.khim. no.5;946 My '64.

BORON

Krainov, S.R. [Hydrogeochemical method of prospecting for boron deposits; methodological handbook] Gidrogeokhimicheskii metod poiskov mestorozhdenii bora; metodicheskoe rukovodstvo. Moskva, Izd-vo "Nedra," 1964. 209 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no.6)

BORON ISOTOPES

Capture of μ-mesons by the B^{10} nucleus. G.M. Bukat, N.P. Popov. Zhur.eksp.i teor.fiz. 46 no.5;1782-1786 My '64.

BOTANICAL GARDENS

(see also subdivision under Leningrad)

Decision of the Presidium of the Academy of Sciences of the U.S.S.R. of November 1, 1963. Biul.Glav.bot.sada no.53;100-101 '64.

BOTANICAL RESEARCH

(see also subdivision under Kabardino-Balkar A.S.S.R.)

Role of modern botany in the development of communist society and the raising of the level of agriculture and medicine in the U.S.S.R. and the main tasks facing it. V.N. Sukachev, A.A. Fedorov. Bot.zhur. 49 no.2: 161-176 F '64.

BOTANY

(see also subdivision under Amu Darya Delta region; Dniester River Estuary region, Karakum; Kazakhstan; Khrami Reservoir; Kyzylkum, Shmidt Peninsula, Stavropol Territory)

Tikhomirov, F.K. [Botany] Botanika. Moskva, Vysshaia shkola, 1964. 379 p.

BOTANY—ANATOMY

Anatomical and histological characteristics of the goosefoot Chenopodium anthelminticum. S.S. Liashenko. Farmatsev.zhur. 14 no.3 46-52 '59.

BOTANY—CLASSIFICATION

System of the primrose family (Primulaceae). N.A. Zhukova. Uch.zap.Kab.-Balk.gos.un. no.10;67-78 '61.

BOTANY—CONGRESSES

At the Third Conference of the All-Union Botanical Society. T.K. Gordeeva. Bot.zhur. 49 no.2;304-306 F '64.

Urgent tasks in the field of botany in the Soviet Union; resolution of the Third Congress of the All-Union Botanical Society, October 28, 1963. Bot.zhur. 49 no.2;306-311 F '64.

BOTANY—EMBRYOLOGY

Behavior of male gametes in Rudbeckia sullivanti. S.N. Movsesian. Izv.AN Arm.SSR.Biol.nauki 16 no.5: 43-47 My '63

BOTANY—TROPICS

Biological cycle of nitrogen and ash elements in the plant communities of tropical and subtropical zones. N.I. Bazilevich, L.E. Rodin. Bot.zhur. no.2;185-200 F '64.

BOTANY—VARIATION

Heterogeneity of fruits in monospermous sugar beets. S.E. Gomoliako. Vest.sel'khoz.nauki 9 no.2;102-108 F '64.

Variability and the development of new forms in corn under self-pollination. A.T. Seisebaev. Vest.sel'khoz. nauki [Kazakh.] 7 no.4;45-50 Ap '64.

BOTANY, ECONOMIC see subdivision under Bashkiria

BOTANY, MEDICAL

Smirnov, N.N. [Manual for persons engaged in the procurement and gathering of medical technical raw materials in the Urals, Siberia, and the Far East] Pamiatka zagotoviteliu i sborshchiku lekarstvenno-tekhnicheskogo syr'ia Urala, Sibiri i Dal'nego Vostoka. 2. izd., dop. [Omsk] Omskoe knizhnoe izd-vo, 1963. 93 p.

BOTTLING MACHINERY

Automatic machine for screwing caps on perfume bottles. IU.P Chuvaev. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.2;60-62 '64.

BOUNDARY LAYER

Approximate calculation of a laminar boundary layer in a gas flow. S.M. Kapustianskii. Trudy LPI no.230:111-114 '64.

Approximate method for calculating the optimum suction of liquid from the boundary layer of wing profiles with porous surfaces L.F. Kozlov PMTF no 3 169-171 My-Je '64.

Calculation of a laminar boundary layer with an intermittent suction. R.Z. Aliev, V.IA. Demin. Trudy LPI no.230:49-53 '64.

Contribution to the theory of a laminar multicomponent boundary layer on a chemically active surface. G.A. Tirskii. Dokl.AN SSSR 156 no.4:756-759 Je '64.

Derivation of the equations for a magnetohydrodynamic boundary layer. M.V. Belubekian. Trudy LPI no.230: 107-110 '64.

Effect of control of a boundary layer on transfer processes. T.L. Perel'man. Dokl.AN BSSR 8 no.4:231-233 Ap '64.

Effect of the dissociation on friction and heat transfer in a turbulent boundary layer. IU.V. Lapin, G.P. Sergeev. Trudy LPI no.230;98-106 '64.

Exact solutions of the problems of a nonisothermal boundary layer in a noncompressible fluid. V.A. Bubnov, K.I. Grishmanovskaia. Trudy LPI no.230;77-83 '64.

Flows in a boundary layer similar to a self-simulated flow. L.G. Loitsianskii. Trudy LPI no.230:59-69 '64.

Laminar boundary layer in an emitting and absorbing gas near a flat plate V P Zamuraev PMTF no 3 73-80 My-Je '64.

Laminar boundary layer near a sublimating surface. B.V. Alekseev. Zhur.vych.mat.i mat.fiz. 4 no.3 512-524 My-Je '64.

Numerical calculation of a plane laminar boundary layer in a compressible gas on a blunt plate. IU.N. Pavlovskii. Zhur.vych.mat.i mat.fiz. 4 no.1:178-183 Ja-F '64.

Self-simulated flows in a thermal boundary layer. V.A. Bubnov. Trudy LPI no.230:70-76 '64.

Self-simulated jet solutions of the equations of a boundary layer. E.P. Ivanov. Trudy LPI no.230 84-89 '64

Some solutions of equations for a boundary layer in a viscoplastic fluid. I.M. Astrakhan. Trudy MINKHiGP 46:94-101 '64.

BOUNDARY VALUE PROBLEMS

Almansi's problem for a homogeneous anisotropic, cylindrical body. G.M. Khatiashvili. Trudy Vych. tsentr.AN Gruz.SSR 4;43-70 '64.

Almansi's problem for a sectional anisotropic cylindrical body. G.M. Khatiashvili. Trudy Vych.tsentr.AN Gruz. SSR 4;29-42 '64.

Approximate solution to the Cauchy problem for ordinary differential equations with a preassigned number of correct signs. Part 2. A.D. Gorbunov, IU.A. Shakhov. Zhur.vych.mat.i mat.fiz. 4 no.3: 426-433 My-Je '64.

Asymptotic behavior of the spectral function of a Schrödinger operator near a plane piece of the boundary. M.G. Gasymov, B.M. Levitan Izv.AN SSSR.Ser.mat. 28 no.3:527-552 My-Je '64.

Behavior of solutions to the first boundary value problem for certain quasi-linear parabolic equations. IU.N. Cheremnykh Dokl.AN SSSR 156 no.5 1037-1040 Je '64

Behavior of the solution to the first boundary value problem with zero boundary conditions for a parabolic equation. A.A. Novruzov. Dokl.AN Azerb.SSR 19 no.10;9-13 '63.

Bilateral approximations for the solution of boundary value problems. M.A. Aleksidze. Trudy Vych.tsentr. AN Gruz.SSR 4;3-6 '64.

A boundary value problem. R.I. Anishchenko. Sib.mat. zhur. 5 no.3;481-492 My-Je '64.

Boundary value problem for the velocity of tensions and deformations in the theory of plastic flow. M.A. Solomeshch. Uch.zap.Petrozav.gos.un. 11 no.2: 64-66 '63.

Difference analogs of orthogonal series of fundamental differential operators and certain boundary value problems in mathematical physics. Part 1. V.I. Lebedev. Zhur.vych.mat.i mat.fiz. 4 no.3:449-465 My-Je '64.

Estimates of solutions to boundary value problems for a general elliptic equation of second order with discontinuous coefficients. Van Tun. Zhur.vych.mat.i mat. fiz. 4 no.3;577-580 My-Je '64.

Estimates of the field in the shadow zone in the event of the diffraction of a cylindrical wave on a bounded convex cylinder I.V. Olimpiev. Dokl.AN SSSR 156 no.5;1068-1071 Je '64.

First boundary value problem for certain semibounded hypoelliptic equations. V.P. Mikhailov. Mat.sbor. 64 no.1;10-51 My '64.

First boundary value problem for degenerate quasilinear elliptic systems of differential equations. IU.A. Dubinskii. Dokl.AN SSSR 156 no.5,1018-1021 Je '64.

General boundary value problems for systems elliptic in the sense of A. Douglis - L. Nirenberg Part 1. V.A. Solonnikov. Izv.AN SSSR.Ser.mat. 28 no 3 665-706 My-Je '64.

Method for studying certain two-dimensional boundary value problems involving an anisotropic elastic body for multiply connected regions. M.O. Basheleishvili. Trudy Vych.tsentr.AN Gruz.SSR 4;141-166 '64.

Method for the numerical solution of a boundary value problem for the equation $y'' - p(x)y' - q(x)y = 0$ on a ray. V.G. Melamed. Zhur.vych.mat.i mat.fiz. 4 no.1;156-160 Ja-F '64.

Numerical solution of the Cauchy problem for second-order linear parabolic equations. V.G. Sragovich. Zhur.vych.mat.i mat.fiz. 4 no.3;592-596 My-Je '64.

Periodic boundary value problem for a third-order differential equation. A.IA. Khokhriakov. Mat.sbor. 63 no.4;639-645 Ap '64.

Principle of the limit amplitude in diffraction problems. A.I. Kochura. Pratsi Od.un.Zbir.stud.rob. 146 no.4; 187-190 '56.

Radiation from a finite plate with random boundary conditions. A.S. Nikiforov. Akust.zhur. 10 no.2 218-223 '64.

Random numbers transducer used for solving boundary value problems by mathematical statistics in the development of oil and gas reservoirs. O.V. IUdovskii. Izv.vys.ucheb.zav., neft' i gaz 7 no.3;103-105 '64.

St. Venant's problems for sectional anisotropic nearly prismatic bodies. G.M. Khatiashvili. Trudy Vych. tsentr.AN Gruz.SSR 4;71-90 '64.

[illegible] with [illegible] elliptic [illegible] I. P. Mar[illegible] Dokl AN BSSR 8 no 4 209-212 Ap [illegible]

Solution of a system of nonlinear equations by the method of parametric differentiation. M.N.IAkovlev. Zhur. vych.mat.i mat.fiz. 4 no.1 146-149 Ja-F '64.

Solution of the fundamental three-dimensional boundary value problems of the statics of an isotropic elastic body for multiply connected regions. M O Basheleishvili. Trudy Vych tsentr AN Gruz.SSR 4 131-139 '64

[illegible] of the Cauchy problem for evolutional equations. [illegible] IAkub[illegible]. Dokl AN SSSR 156 no 5 1041-1044 Je '64

Special mixed problem. Z O. Mel'nyk. Dop.AN URSR [illegible] 377-380 '64.

[illegible] mixed problems for a shell whose middle surface has the shape of an arch dam. V.S Zhgenti, [illegible] Trudy Vych tsentr.AN Gruz SSR 4:91-120 '64

Uniqueness of solutions in the theory of plastic flow. M A Solo[illegible]eshch Uch.zap Petroza. gos.un 11 no 2 53-63 '63

Use of a Lagrange interpolation polynomial in solving Dirichlet's problem for Poisson's equation by the method of differences. E. A Volkov. Zhur vych.mat. i mat.fiz 4 no. 3 466-472 My-Je '64.

A variational problem in the theory of elliptic differential equations. A.I Egorov Sib mat.zhur. 5 no.3: 500-509 My-Je '64

BOUTEFLIKA ABDEL AZIZ, 1937-

Abdel Aziz Bouteflika Nov vrem 21 no 22 29 My '64

BOVE, OSIP IVANOVICH, 1784-1834

Pokrovskaia, Z K. [O. I. Bove, the architect] Arkhitektor O I. Bove Moskva, Stroiizdat, 1964 100 p illus

BOXES

Prefabricated dismountable box I Shifrin Sov. torg 36 no 6 52-53 Je '63

BOYANA, BULGARIA—MURAL PAINTING AND DECORATION

The Boyana frescoes S. IAmshchikov. Iskusstvo 27 no 4 59-65 Ap '64

BOZDAG HILL—BIRDS—EGGS AND NESTS

Reproduction of the cinereous vulture on Bozdag Hill V V Vinogradov Ornitologiia no 6 222-226 '63

BOZDAG HILL—VULTURES

Reproduction of the cinereous vulture on Bozdag Hill V V Vinogradov Ornitologiia no 6 222-226 '63

BRACHIOPODA, FOSSIL see subdivision under Taymyr Peninsula

BRAIN

Ammonia formation in brain tissues as affected by pharmacological agents. E.E.Klein Trudy Inst.fiziol AN Gruz.SSR 13:173-180 '63.

Differentiation of conditioned reflexes to electrical stimulation of various structures of the brain in rabbits. K.A.Iordanis. Zhur.vys.nerv.deiat. 14 no.1:77-85 Ja-F '64.

Effect of a lesion of the caudate nucleus on the behavioral reactions of a cat. TS.A.Ordzhonikidze. Trudy Inst. fiziol.AN Gruz.SSR 13:113-118 '63.

Effect of borate on ammonia formation in brain preparations. G.S.Iordanishvili. Trudy Inst.fiziol.AN Gruz. SSR 13:181-189 '63.

Embryonic development of the vascular plexus of the fourth cerebral ventricle and of the "spongy organ" in man N G Turkevich Arkh anat., gist i embr 44 no 4 61-73 Ap '63

Fluctuations in the activity of phosphomonoesterases of various brain sections of a chicken embryo under changing pH of the medium. G. T. Adunts. Izv. AN Arm. SSR. Biol. nauki 16 no. 5 25-30 My '63.

Functional and structural changes in the central nervous system under the influence of nivaline E. N. Popova, T M. Mokhova. Zhur vys. nerv. deiat 14 no 2 337-345 Mr-Ap '64.

Glucose and pyruvate absorption and lactate secretion by the brain after insulin and conditioned insulin stimulation and in amytal-induced sleep. G.S.Khachatrian. Izv.AN Arm.SSR.Biol.nauki 15 no.5:51-62 My '62.

Paired activity of the cerebral hemispheres and some aspects of the higher nervous activity in animals. E.Sh Airapet'iants, V. L. Bianki. Zhur. vys. nerv. deiat. 14 no. 2 247-262 Mr-Ap '64.

Protein metabolism in the brain. V. I. Rozengart, M. N Maslova. Vop. med. khim. 9 no. 1 3-15 Ja-F '63.

Relationship between components of the evoked potential in various structures of the anterior corpus bigeminum in rabbits. N. V. Dubrovinskaia. Zhur. vys. nerv. deiat. 14 no. 1:86-94 Ja-F '64.

Study of the brain suspension of mice infected with the virus of tick-borne encephalitis by the method of zonal electrophoresis on paper. V. K. Izotov. Vop. med. virus. no. 6.101-107 '59.

tick-borne encephalitis by the method of continuous electrophoresis on paper. V. K Izotov. Vop. med. virus. no. 6 107-110 '59.

BRAIN—BLOOD SUPPLY

Importance of the cavernous sinus in the regulation of cerebral blood circulation (with summary in English) M. A. Sreseli, O. P Bol'shakov. Arkh. anat. gist. i embr 43 no. 10 13-18 O '62

Mechanisms of the regulation of cerebral circulation. Report No. 2: Functional characteristics of various parts of the arterial system of the brain. G. I Mchedlishvili. Trudy Inst. fiziol AN Gruz SSR 13:147-160 '63

Responses of the vascular system of the cranial cavity in the case of equivalent longitudinal gravitation loads +g. IU. E. Moskalenko and others. Probl. kosm biol 3: 366-378 '64.

X-ray representation of the vascular picture of cranial bones in various diseases of the brain B N Pil', R A Lisovskaia Trudy Gos nauch -issl psikhonevr inst 31:107-120 '63

BRAIN—DISEASES

Brain tissue auto-antibodies in neural diseases. R. K. Shamrei. Zhur nevr. i psikh 63 no 6:811-816 '63.

Characteristics of the formation of motor reactions in unilateral lesion of the cerebral hemispheres S. I. Kaidanova, IA A. Meerson. Zhur. vys nerv deiat. 14 no 2 223-228 Mr-Ap '64

Electroencephalographic characteristics in lesions of the diencephalic region and brain stem associated with progressive exophthalmos. S. M. Falikov, V. B. Gel'fand. Zhur. vys. nerv. deiat. 14 no 2 229-238 Mr-Ap '64.

General and local signs of cranial changes in the X-ray picture in diseases of the brain V N Gusakova Trudy Gos nauch -issl psikhonevr. inst 31 93-106 '63

Pneumoencephalographic study in differential diagnosis of inflammatory diseases of the brain and tumors in case of the spastic syndrome M D Gal'perin Trudy Gos nauch -issl psikhonevr. inst. 31:237-250 '63.

X-ray representation of the vascular picture of cranial bones in various diseases of the brain B N Pil', R A Lisovskaia Trudy Gos nauch -issl psikhonevr. inst 31 107-120 '63

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

Problems of the localization of function in the light of data of modern psychoneurology. A. D. Zurabashvili. Zhur. nevr. i psikh. 63 no. 6.904-910 '63.

Role of different areas of the brain in the conditioned behavioral activity. I. S. Beritashvili. Trudy Inst. fiziol. AN Gruz. SSR 13:3-14 '63.

BRAIN—TUMORS

Examination of proteolytic activity in human brain tumors. N. G. Lutsenko, M. Sh Promyslov. Vop. med. khim. 9 no. 1:60-63 Ja-F '63.

Methodology of contrast X-ray study in the diagnosis of tumors of the brain. M. D Gal'perin, B N Pil' Trudy Gos nauch -issl psikhonevr inst 31:177-235 '63.

Stammering in left parietal lobe syndrome. A Kh. Shtremel'. Zhur. nevr. i psikh. 63 no. 6:828-832 '63

BRAIN—TUMORS—BIBLIOGRAPHY see Bibliography—Brain—Tumors

BRAIN—WOUNDS AND INJURIES

Clinical and X-ray characteristics of epilepsy in children mainly in cerebellar and brain stem lesions I TS Tets Trudy Gos. nauch -issl. psikhonevr inst 31. 257-266 '63

Effect of changed functional state of the central nervous system on the rearrangement of the immunogenic reactivity of the body and the course of anaphylactic shock. A. A. Abinder. Zhur. mikrobiol., epid. i immun 40 no. 10 17-21 O '63.

Morphological and functionally-dynamic disorders in epilepsy following a closed craniocerebral injury, pneumoencephalographic study. N. A. Zaichikova. Trudy Gos nauch. -issl psikhonevr. inst 31:251-256 '63.

Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase. V. M. Mukhin, G. V. Anisimova. Zhur. nevr. i psikh. 63 no. 6:853-858 '63.

Stammering in left parietal lobe syndrome. A. Kh. Shtremel'. Zhur. nevr. i psikh. 63 no. 6:828-832 '63.

Viazemskii, N. M. [Significance of a local lesion of the brain in the clinical aspects and pathogenesis of mental disorders] Znachenie mestnogo porazheniia golovnogo mozga v klinike i patogeneze psikhicheskikh rasstroistv. Moskva, Meditsina, 1964. 238 p.
(DNLM)

BRAINSTEM

Interaction of the cerebral cortex and the mesencephalic reticular system in the compensation of locomotor functions. N. N. Dzidzishvili, S. M. Butkhuzi. Trudy Inst. fiziol. AN Gruz SSR 13:69-76 '63.

Trudy Inst fiziol. AN Gruz SSR 13:35-[illegible] '63

Some characteristics of the reticular facilitation of responses of the visual system. S. P. Nar[illegible] and others. Trudy Inst. fiziol. AN Gruz SSR 13:15-33

BRAKES

Pyzhevich, L. M. [Design of friction brakes] Raschet friktsionnykh tormozov Moskva, Izd-vo "Mashinostroenie," 1964. 227 p.

BRASS—ELECTRIC PROPERTIES

Changes in the electric resistance of α brass in the process of annealing following deformation. [illegible] Kl[illegible]nikov Trudy Inst. met. i obog. AN Kaz[illegible] 7:70-75 '63.

BRASS—HARDENING

Aging of lead α-brass. G. N. Nys[illegible], [illegible], V. V. Chervlakova. Trudy Inst. met. i obog. AN Kaz. SSR 7:84-88 '63.

BRASS—METALLURGY

Effect of complex additives on the usefulness of L59-1 brass. A. V. Novikov, V. V. Chervlakova, [illegible] Trudy Inst. met. i obog. AN Kazakh. SSR 7 101-[illegible]

Increasing the technical and economic indices in the rolling of L59-1 brass with complex additives in industrial conditions. U. K. Dzhemaliev and others. Trudy Inst. met. i obog. AN Kazakh SSR 7:105-[illegible]

BRASSICACEAE see subdivision under Kopetdag

BRATSK (IRKUTSK PROVINCE)—WAGES—CONSTRUCTION WORKERS

Wages in the mixed construction brigade. [illegible] Sots. trud 9 no. 5:38-41 My '64.

BRATSK HYDROELECTRIC POWER STATION

Cable lines with 220 kv rating of the Bratsk Hydroelectric Power Station. [illegible] P K Manastev Elek. stan. 35 no 1 [illegible]

Devel'iarov, K. Z. [Duel at the bottom of the sea; a true story of Angara] Poedinok na dne moria; angarskaia byl'. Moskva, Sovetskaia Rossiia, 1964. 54 p.

BRATSK HYDROELECTRIC POWER STATION—CONCRETE CONSTRUCTION

Concreting operations during the construction of the Bratsk Hydroelectric Power Station. A M [illegible] Gidr. stroi. [illegible] no. 4 27-[illegible] Ap '6[illegible]

BRATSK HYDROELECTRIC POWER STATION—FROZEN GROUND

Soil heaving in the region of the Bratsk Hydroelectric Power Station. I. D. Pikulevich. Merzl. issl. [illegible] 131-157 '63

BREAKDOWN, ELECTRIC

Effect of electrode material on the pulse electric strength of a high-vacuum gap. I. I. Kaliatskii, G. M. [illegible] Zhur. tekh. fiz. 34 no. 2 [illegible]

Electric breakdown in a high vacuum. A. I. [illegible], IU. A. Doktorov. Zhur. tekh. fiz. 34 no. 2 [illegible] '64.

BREAM see subdivision under Don River

BREAST—CANCER
(see also subdivision under United States)

Changes in the basal metabolism of patients with breast cancer. L. M. Fesenko. Vop. onk. 8 no. 12 [illegible]

Role of cytological examination in the diagnosis of breast cancer. N. N. Shiller-Volkova, K. A. Ag[illegible] Vop. onk. 8 no. 12 41-48 '62.

BREAST—SURGERY

Prosthesis in aplasia of the breast. I. V. Zal[illegible] Khirurgiia 38 no 12 113 D '62.

BREAST—TUBERCULOSIS

Tuberculosis of the breast. L. G. [illegible], M. I. [illegible] Khirurgiia 38 no. 12 49-54 D '62.

BRECCIA see subdivision under Karatau

BREDIKHIN, FEDOR ALEKSANDROVICH, 1831-1904

Nevskaia, N. I. Fedor Aleksandrovich Bredikhin 1831-1904. Moskva, Izd-vo "Nauka," 1964. 252 p (Nauchno-biograficheskaia seriia)

BREDOV, ANATOLII FEDOROVICH, 1923-1944

Churbanov, A. N. [In the ranks of the living] V stroiu zhivykh. [Murmansk] Murmanskoe knizhnoe izd-vo, 1964. 60 p.

BREEDING

Pushkino. Nauchno-issledovatel'skaia laboratoriia po razvedeniiu sel'skokhoziaistvennykh zhivotnykh. [Heredity and variability in farm animals; collection of scientific papers] Nasledstvennost' i izmenchivost' sel'skokhoziaistvennykh zhivotnykh; sbornik nauchnykh trudov. Pod red. M. M. Lebedeva. Leningrad, Izdatel'stvo "Kolos," 1964. 214 p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [Moskva, Izd-vo "Detskaia literatura," 1964] [illegible] p. [illegible]

BRIBERY

[illegible] [illegible] [illegible] [illegible] 1964. [illegible] p.

BRICK WALLS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] I. V. Gol'dfarb, M. B. Vol'fenzon, D. V. Lopatin. [illegible] 11 no. 1:960-977 My '64.

BROMINE—PHYSIOLOGICAL EFFECT

Effect of caffeine and bromide on the morphological composition of the blood [illegible] of the organism. [illegible] [illegible] '64.

BROMINE—THERAPEUTIC USE

[illegible]

BRONCHI—BLOOD SUPPLY

[illegible] of the bronchial arteries during development of the [illegible] [with summary in English]. A. V. Ryvkind. [illegible] 11 no. 10:[illegible] '64.

BRONCHI—CANCER

[illegible]

[illegible] of the main [illegible] [illegible] V. P. [illegible] [illegible] '64.

BRONCHI—DISEASES

[illegible] experimental [illegible] M. B. [illegible] [illegible] [illegible] '64.

BRONCHI—FOREIGN BODIES

[illegible]

BRONCHI—RADIOGRAPHY

[illegible] of the segmental bronchi with [illegible] M. G. Viikman. [illegible] '64.

[illegible] [illegible] Vestsi AN BSSR. [illegible] [illegible]

BRONCHI—RUPTURE

[illegible]

[illegible]

BRONCHI—SECRETIONS

[illegible]

BRONCHI—SURGERY

[illegible]

[illegible]

[illegible]

BRONCHI—TUMORS

Szabo, [illegible], and [illegible] [Benign hypothetical tumors; anatomical clinical and pathohistological study. Translated from the Hungarian] [illegible] [illegible] Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1963. 158 p. [illegible]

BRONCHI—WOUNDS AND INJURIES

[illegible] Khirurgiia 39 no. 8:[illegible] Ag '63.

BRONCHIAL FISTULA see Fistula, Bronchial

BRONCHOSCOPY

[illegible]

[illegible]

[illegible]

BRONZE—TESTING

[illegible] Trudy Inst. [illegible] [illegible] '63.

BRONZE AGE see subdivision under Eurasia

Follow up of our materials. [illegible] '64.

BROWN-TAIL MOTH

Effect of subfreezing temperatures on different populations of the brown-tail moth Euproctis chrysorrhoea L. and the gypsy moth Lymantria dispar L. (Lepidoptera, Orgyidae) G. A. Pantiukhov. Ent. oboz. 43 no. 2:[illegible] '64.

BRUCELLOSIS

(see also subdivision under Novokuznetsk; Stavropol Territory)

Clinicoepidemiological characteristics of sheep and goat brucellosis in factory workers engaged in the primary processing of wool. L. V. [illegible], N. A. Rybakov, D. I. [illegible] Sov. med. 27 no. 10:[illegible] '64.

Effect of penicillin on agglutinin formation in brucellosis. A. A. Navasardian. Izv. AN Arm. SSR. Biol. nauki 15 no. 5:[illegible] My '64.

Infectious process in mixed tuberculosis brucellosis infection. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] My '64.

BRUCELLOSIS—PREVENTIVE INOCULATION

Characteristics of immunity in cutaneous vaccination and revaccination with vaccine from the Brucella abortus 104 M strain. Report No. [illegible] Testing the intensity of immunity produced by vaccine from the Brucella abortus 104 M strain in an epidermal application in experiments on guinea pigs. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] '64.

Duration of immunity in following simultaneous epidemic vaccination against plague, tularemia and brucellosis. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. 10:[illegible] '64.

Experimental study of a preparation [illegible] from plague strains [illegible] and [illegible] Brucella abortus 104 M, tularemia [illegible] [illegible] selection of optimum antigen doses in [illegible] Pilipenko, [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] '64.

Immunology of vaccinal prevention of the basic types of brucellosis. G. A. [illegible] Zhur. mikrobiol., epid. i immun. 40 no. [illegible] '64.

BRUCELLOSIS IN CATTLE—PREVENTIVE INOCULATION

Epizootiological effectiveness of the immunization of cattle with vaccine from strain [illegible] V. N. [illegible], I. D. [illegible] Trudy VIEV 12 [illegible] '64.

BRUCELLOSIS IN SHEEP—PREVENTIVE INOCULATION

Differentiation of immunobiological reaction in inoculated sheep and sheep with brucellosis. [illegible] Trudy VIEV 12 [illegible] '64.

Studying the immunogenic properties of attenuated Brucella strain [illegible] on sheep. [illegible] [illegible], E. N. Nau[illegible], A. A. Mishustina. Trudy VIEV 12 [illegible] '64.

BRUCKNER, ANTON, 1824-1896

Rappoport, L. G. [Anton Bruckner] Anton Brukner. Moskva, Muzgiz, 1963. 103 p.

BRUNN see Brno

BUBBLES

Effect of the relative velocity of a gas bubble in a liquid on its dimensions. [illegible] [illegible] 1 [illegible] '64.

Stability of a collapsing gas cavity in a rotating fluid. V. K. [illegible] [illegible] no. 1:[illegible] Ja '64.

BUCHAREST—GUIDEBOOKS

[Bucharest, a tourist guidebook] Bukharest; spravochnik turista. [Bucharest] Izd-vo "Meridiane," 1963. 353 p.
[List of streets, map of the city] Perechen' ulits; karta goroda. 64 p. fold maps.

BUCKWHEAT

Intensity of photosynthesis in diploid and tetraploid buckwheat. [illegible] A. Zhiebrak. Vestsi AN BSSR. Ser. biial. nav. no. 1:[illegible] '64.

BUCKWHEAT—DISEASES AND PESTS see subdivision under East Kazakhstan Province

BUDGET

(see also subdivision under Belogorsk District, Amur Province; Kazakhstan)

Budget income of the Union Republics and its distribution. P. Vasil'ev, N. Shirkevich. Nauch. dokl. vys. shkoly; ekon. nauki 7 no. 1:40-50 '64.

Pinegeev, P. V., and L. D. Fin. [Nonbudgeted revenues; rules for their formation and use] Vnebiudzhetnye sredstva; poriadok ikh obrazovaniia i ispol'zovaniia. Moskva, Izd-vo "Finansy," 1964. 121 p.

Role of state budget in the distribution of the national product and national income. A. Zverev. Vop. ekon. no. 6:44-52 Je '64.

the national budget of the U S S.R. for 1964-1965 and the carrying out of the national budget for 1962 Report and closing statement by V F Garbuzov, Deputy Finance Minister of the U S S R , to the third session of the Sixth Supreme Soviet of the U.S S R., 16 and 19 December, 1963 Act of the Union of the Soviet Socialist Republics on the national budget of the U S S R for 1964-1965] O gosudarstvennom biudzhete SSSR na 1964-1965 gody i ob ispolnenii gosudarstvennogo biudzheta SSSR za 1962 god. Doklad i zakliuchitel'noe slovo Ministra finasov SSSR deputata V. F. Garbuzova na tret'ei sessii Verkhovnogo Soveta SSSR shestogo sozyva 16-19 dekabria 1963 g Zakon Soiuza Sovetskikh Sotsialisticheskikh Respublik o gosudarstvennom biudzhete Soiuza Sovetskikh Sotsialisticheskikh Respublik na 1964-1965 gody Moskva, Gosfinizdat, 1963 39 p

BUDS

Liashenko, N.I. [Biology of dormant buds] Biologiia spiashchikh pochek Moskva, Izd-vo "Nauka," 1964. 85 p.

BUGURUSLAN, BATTLE OF, 1919

Military calendar Voen. znan 40 no.4 48 Ap '64.

BUILDING

(see also subdivision under Chirkey Hydroelectric Power Station, Leningrad)

Budnikov, M.S., and A.P. Oboznyi. [Technology and organization of the erection of buildings and structures] Tekhnologiia i organizatsiia vozvedeniia zdanii i sooruzhenii. Pod red. M.S. Budnikova. Kiev, Budivel'nyk, 1964. 303 p.

[Operational planning in construction by stages and complexes] Operativnoe planirovanie v stroitel'stve po etapam i kompleksam rabot [By] S IA. Rovenskii i dr. Moskva, Stroiizdat, 1964. 115 p

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref.zhur. Stroi i arkhit 6 no.3 '64.

BUILDING—DETAILS

Synthetic coatings for finishing buildings V.M. Rogov and others. Stroi.mat. 10 no.3 9-11 Mr '64.

BUILDING—ESTIMATES see subdivision under Kherson Province

BUILDING—SAFETY MEASURES

Gusev, IU.N. [Safety manual for workers in integrated brigades erecting industrial buildings] Pamiatka po tekhnike bezopasnosti dlia rabochikh kompleksnykh brigad po montazhu promyshlennykh zdanii. Moskva, Stroiizdat, 1964. 57 p. (Tekhnika bezopasnosti v stroitel'stve)

Russia (1923- U.S.S.R.) Glavnoe upravlenie teplotekhnicheskikh i termoizoliatsionnykh rabot. [Instructions on safety measures in the construction and repair of industrial furnaces and smokestacks] Instruktivnye ukazaniia po tekhnike bezopasnosti pri stroitel'stve i remonte promyshlennykh pechei i trub. Moskva, Stroiizdat, 1964. 126 p.

BUILDING—TECHNOLOGICAL INNOVATIONS see subdivision under Gorkiy

BUILDING, WOODEN

Akhremovich, M.B. [Protection of the wooden structures of dwellings against wood destroying pests] Zashchita dereviannykh konstruktsii zhilykh zdanii ot razrushitelei drevesiny. Moskva, Stroiizdat, 1964. 89 p.

BUILDING BLOCKS see subdivision under Minsk

BUILDING LAWS

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Laws on housing and housing construction] Zhilishchnoe i zhilishchno-stroitel'noe zakonodatel'stvo. Pod red. S.N. Landkofa. Kiev, Gosstroiizdat USSR, 1964. 353 p.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

(see also subdivision under Estonia; Ossetia, North)

Bykov, A.S., M.I. Dantsin, and G.I. Zokhin. [Building materials and products from synthetic material] Stroitel'nye materialy i izdeliia na osnove sinteticheskogo syr'ia. Moskva, Stroiizdat, 1964. 181 p.

Giprosel'stroi. [Manufacture and use of arbolite] Proizvodstvo i primenenie arbolita. Moskva, 1962. 60 p.

[MICROFILM]

The manufacture of synthetic materials is being developed. D.D. Eshchenko. Stroi.i arkhit.Len. 26 no.3: 7-9 Mr '64.

Mechanical properties of consolidated ice. I.S. Pechanskii and others. Probl.Arkt.i Antarkt. no.16:45-53 '64.

News. Stroi.mat. 10 no.3:37-38 Mr '64.

Review of the textbook "Building materials and details" by Prof. V.A. Vorob'ev. L.E. Stel'makh, N.V. Poliakova. Sred.spets.obr. 11 no.5:59-60 My '64.

41 no.2 68 Mr-Ap '64.

BUILDING MATERIALS—TESTING

Manuilov, L.A., G.I. Kliukovskii, and G.G. Ul'ianova. [Methods of laboratory testing of building materials and building parts] Metody laboratornykh ispytanii stroitel'nykh materialov i stroitel'nykh detalei. Moskva, Vysshaia shkola, 1964 323 p.

BUILDING MATERIALS INDUSTRY

(see also subdivision under Armenia)

Accelerated growth of the industry producing polymer building materials A.G. Zaitsev. Stroi.mat. 10 no.3 2-6 Mr '64.

Main trends in the development of the building materials industry during 1964 and 1965. A.I. Boguslavskii. Stroi.mat. 10 no.2:1-6 F '64.

Survey of the execution of the plan for the building materials industry. Stroi.mat. 10 no.3 3-5 Mr '64.

BUILDING RESEARCH see subdivision under Warsaw

BUILDINGS—DESIGN AND CONSTRUCTION

General method of precalculating precise layouts of industrial and civil structures. V.K. Pankrushin. Izv. vys.ucheb.zav , stroi.i arkhit. 6 no.7:112-116 '63

BUILDINGS—HEATING AND VENTILATION

Gypsum cement and fiber pipes for heating and ventilating systems. G.S. Kogan, V.P. Sheglova, V.A. Berkovich Stroi.mat. 10 no.3:28-29 Mr '64.

BUILDINGS—VIBRATION

Effect of the state of strain of a structure on the period of its natural vibrations. A I Martem'ianov, K.S Abdurashidov Izv AN Uz SSR Ser tekh nauk 7 no.6 41-49 '63

BUILDINGS, PREFABRICATED

Problems in improving the operational qualities of large-panel buildings. E. Brainina. Stroi.i arkhit. Mosk. 13 no.5:15-18 My '64.

BUKACHACHA REGION (CHITA PROVINCE)—COAL MINERS

Where the Nercha River flows. E. Briukhanenko. Sov. shakht. 12 no.7:17 Jl '63.

BUKHARA PROVINCE—DRAINAGE

Development of drainage in the irrigated zone of Bukhara Province. M.V. Kiselev. Gidr.i mel. 16 no.5:10-16 My '64.

BUKOVINA—PHARMACY—CONGRESSES

Conference in Chernovtsy. Z.I. Zorina. Farmatsev. zhur. 15 no.4,85-86 '60.

BUKOVINA—TRIPOLI (MINERAL)

Chernovtsy tripoli as raw material for the regeneration of transformer oil. D.I. Rudi. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2:122-125 '59.

BULGARIA—AGRICULTURAL CREDIT

Issuing a short-term credit to labor cooperative farms by the Bulgarian National Bank. Ivailo Nikolov, Georgi Sotirov. Den.i kred. 22 no.5,73-80 My '64.

BULGARIA—BIBLIOGRAPHY

[New literature on Bulgaria] Nov.lit.po Bolg. no.3 '64.

BULGARIA—COMMERCE

Bulgarian exports are on the uprise. Mor.flot 24 no.3:44 Mr '64.

BULGARIA—COMMUNIST PARTY

Role of the Bulgarian Communist Party in the establishment and consolidation of the Bulgarian people's democratic state. K.D. Dmitrov. Uch.zap.Velikoluk.gos.ped.inst. no.22:125-139 '63.

BULGARIA—FOLKLORE STUDIES

Contribution of Russian scholars to the development of Bulgarian folklore studies in the 19th century. Stefana Stoikova. Rus.fol'k. 8:273-287 '63.

BULGARIA—FOREIGN RELATIONS

Foreign policy of the people's democratic Bulgaria, 1944-1947. V.G. Diad'kin. Nov.i noveish.ist. no.1:161-163 '64.

BULGARIA—HISTORY

Against schematic and dogmatic interpretation of the history of the Bulgarian National Agrarian Union in the period of 1918-1923 in present-day historical studies. I.N. Chastukhin. Uch.zap.Velikoluk.gos.ped.inst. no.22:102-115 '63.

How the Communist Party led the masses of Bulgarian toilers in their struggle against reaction and fascism, 1922-1923. V.T. Konstantinov. Uch.zap.Velikoluk.gos.ped.inst. no.22:87-101 '63.

Kosev, D., Kh.R. Khristov, and D. Angelov. [Brief history of Bulgaria] Kratkaia istoriia Bolgarii. Sofia, Izd-vo lit-ry na inostr. iazykakh, 1963. 478 p.

the People's Republic of Bulgaria. R Peneva P khoz 41 no.6 75-80 Je '64

BULGARIA—IRON MINES AND MINING

Mining the "Krumovo" iron ore deposit in Bulgaria S.N. Istatkov. Nauch.trudy Mosk.inst.radioelek.elektromekh. no.47:143-150 '63.

BULGARIA—IRRIGATION CANALS AND FLUMES

Studying the efficiency of irrigation systems in nort Bulgaria. I.S. Bairaktarski. Trudy VNIIGIM 42: '63.

BULGARIA—KEROGEN

Bituminous shale as a raw material for cellular con S.Stamenov, D.Vachev, L.Kharizanova. Stroi.m 10 no.2:39-40, p.3 of cover F '64.

BULGARIA—LAND TENURE

Special characteristics of the development of capital in Bulgarian agriculture. R.P. Grishina. Vop ist. no.6:197-198 Je '61

BULGARIA—LIGHTWEIGHT CONCRETE

Bituminous shale as a raw material for cellular con S.Stamenov, D.Vachev, L.Kharizanova. Stroi.ma 10 no.2:39-40, p.3 of cover F '64.

BULGARIA—PEASANTRY

Situation of Bulgarian peasants under the Turkish yo from the 14th through the 17th century. P.F. Shevch Uch.zap.Velikoluk.gos.ped.inst. no.22:47-59 '63.

BULGARIA—SEPTEMBER UPRISING, 1923

G. Dimitrov and V. Kolarov's unpublished letters on t anti-fascist uprising of 1923 in Bulgaria. V.M Fed va. Nov.i noveish.ist. no.2:59-64 '64.

Recollections of a heroic uprising. G.I. Chernlavskii Nov.i noveish.ist. no.2:104-106 '64.

BULGARIA—SOCIAL DEMOCRATIC PARTY

The radical elements in the Bulgarian Social Democr Party in the international arena. V.G. Diad'kin. Nov.i noveish.ist. no.1:159-161 '64.

BULGARIA—SOCIALIST COMPETITION

Labor enthusiasm of Bulgarian workers in the first ye of the people's government. A.I. Doronchenkov. Uc zap.Velikoluk.gos.ped.inst. no.22:140-162 '63.

BULGARIA—TANK WARFARE

In mountainous and wooded terrain; according to exper ence of the Bulgarian People's Army. G. Dimitrov. Voen.vest. 44 no.6:40-41 Je '64.

BULGARIA—WHEAT—VARIETIES

Wheat varieties in Bulgaria. T.N. Shevchuk, K.A. Kobylianskaia. Vest.sel'khoz.nauki 9 no.2:140-146 F '64.

BULGARIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Bulgarian literature

BULLA ISLAND REGION—ENGINEERING GEOLOGY

Characteristics from the viewpoint of engineering geolo of the Quaternary sediments in the region of Bulla Island and the [Caspian] Sea in connection with the conditions governing their formation. F.S. Aliev, A. Guseinova. Dokl.AN Azerb.SSR 19 no.10:49-53 '63.

BULLA ISLAND REGION—ROCKS, SEDIMENTARY—ANALYSIS

Characteristics from the viewpoint of engineering geolo of the Quaternary sediments in the region of Bulla Island and the [Caspian] Sea in connection with the conditions governing their formation. F.S. Aliev, A. Guseinova. Dokl.AN Azerb.SSR 19 no.10:49-53 '63.

BULLDOZERS—MAINTENANCE AND REPAIR

Meinert, V.A. [Maintenance of bulldozers] Tekhnicheskoe obsluzhivanie bul'dozerov. Moskva, Izd-vo "Tra port," 1964. 83 p.

BULLDOZERS—SAFETY MEASURES

Rakhmanov, V.A. [Safety manual for operators of tractor bulldozers] Pamiatka po tekhnike bezopasnosti dlia traktorista-bul'dozerista. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 20 p. (Tekhnika bezopasnosti v stroitel'stve)

BULLS see subdivision under Azerbaijan

BULLS—DISEASES AND PESTS

A case of a chronic encephalitis with brain atrophy and adenoma of the anterior lobe of the pituitary body in a bull. A. Murzamadiev. Trudy AZVI 12:406-420 '61.

BUNTING (BIRDS) see subdivision under Amur Province

BUNTING (BIRDS)—PARASITES see Parasites—Bunting (Birds)

[illegible]

BURMA—AGRICULTURE—ECONOMIC ASPECTS

Klimko, G.N. [Agrarian problems of independent Burma] Agrarnye problemy nezavisimoi Birmy. Moskva, Izd-vo "Nauka," 1964. [illegible] p.

BURMA—POLITICS AND GOVERNMENT

[illegible] '64.

BURNERS

[illegible]

[illegible]

BURNET (BOTANY)

Biological [illegible] Ap '64.

BURNS AND SCALDS

Change in the [illegible]

Changes in the [illegible]

[illegible]

[illegible]

[illegible]

BURYAT A.S.S.R.—ECONOMIC CONDITIONS

[illegible] 1964. [illegible] p.

BURYAT A.S.S.R.—PUBLIC HEALTH

[illegible]

BURYAT A.S.S.R.—SOIL CONSERVATION

[illegible]

[illegible] MICROFILM]

BURYAT A.S.S.R.—SPORTS

[illegible]

[illegible]

[illegible] 1964. [illegible] p.

BUSINESS ARITHMETIC—PROBLEMS, EXERCISES, ETC.

[illegible] 1964. [illegible] p.

[illegible] Je '64.

BUTADIENE

State of the production of butadiene-styrene rubbers in capitalist countries. A. A. Lisobukhina. Trudy [illegible] '64.

BUTADIENE POLYMERS—ABSORPTION SPECTRA

Calculation of the integral [illegible] moment of the [illegible] polybutadienes. [illegible] Zhur.strukt.khim. 5 no.2:310-[illegible] Ap '64.

BUTANE

Effect of the surface on the mechanism of chain propagation during oxidation of butane in the gas phase. [illegible], A.V. [illegible], L.A. Blumenberg. Izv.AN SSSR. [illegible] My '64.

[illegible] ACID

[illegible]

BUTANOL

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

BUTYL PHOSPHATES

[illegible] Je '64.

BUTYRIC ACID—PHYSIOLOGICAL EFFECT

[illegible]

[illegible]

Stabilization of the electron paramagnetic resonance [illegible] formed in the thermal [illegible] A. A. [illegible] Ap '64.

BYZANTINE EMPIRE—ECONOMIC CONDITIONS

[illegible] A. P. Kazhdan. Vop.ist. [illegible] Je '64.

CABBAGE—DISEASES AND PESTS

[illegible] M. K. Postnikov. Zashch. [illegible] '64.

CABBAGE MAGGOT—EXTERMINATION see subdivision under Leningrad

CABBAGEWORMS—PARASITES see Parasites—Cabbageworms

CABINETWORK

[illegible] for television receivers. [illegible] 17 no.4:42-43 Ap '64.

CABLES see subdivision under Estonia

Gokhberg, M. M. [Metal structures of hoisting and conveying machinery] Metallicheskie konstruktsii pod"emno transportnykh mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 328 p.

CADMIUM—SPECTRA

[illegible] spectra of cadmium and antimony in certain semiconducting compounds. [illegible] Izv.AN SSSR.Ser.fiz. 28 no.[illegible] My '64.

CADMIUM—THERMAL PROPERTIES

Intercrystalline fracture of zinc and cadmium under cyclic thermal treatment in the high temperature range. S.A.Golovanov. Izv.vys.ucheb.zav.; fiz. no.2:[illegible] '64.

CADMIUM ANTIMONIDES

X-ray structural analysis of alloys of the system ZnSb—CdSb. [illegible], A.[illegible] Zhur. strukt.khim. 5 no.2:[illegible]-241 Mr-Ap '64.

CADMIUM ANTIMONY ALLOYS—CORROSION

Corrosion of cadmium alloys with antimony in organic acids. I.M.Bokhovkin. Zhur.fiz.khim. 38 no.4: 970-974 Ap '64.

CADMIUM COMPOUNDS—PHOTOELECTRIC PROPERTIES

Relation between the optical and thermal activation energies of impurities in CdS, CdSe, and CdTe. [illegible] Fiz.tver.tela 6 no.4:1031-1033 Ap '64.

CADMIUM CRYSTALS—GROWTH

Conditions of growing cadmium whiskers from the vapor phase. [illegible], A. A. [illegible], M. V. [illegible] Fiz.tver.tela 6 no.4:1039-1041 Ap '64.

CADMIUM MAGNESIUM ALLOYS see Magnesium-cadmium alloys

CADMIUM-SILVER ALLOYS see Silver-cadmium alloys

CADMIUM SULFIDE CRYSTALS

Crystalline structure of CdS films precipitated on a glass [illegible] and subjected to heat treatment. K. V. [illegible] and others. Kristallografiia 9 no.3:[illegible] My-Je '64.

CADMIUM SULFIDE CRYSTALS—ABSORPTION SPECTRA

Effect of deformation and a high magnetic field on the excitation absorption of light in CdS crystals. V. V. [illegible], [illegible] A. [illegible] Fiz.tver.tela 6 no.4: 1139-1140 Ap '64.

CAFFEINE—PHYSIOLOGICAL EFFECT

Effect of caffeine and [illegible] on the morphological composition of the blood in hypertension of the organism. [illegible] Trudy [illegible] no.8 [illegible] '64.

CAISSONS

[illegible] cylindrical shells. [illegible] and others. Transp.stroi. 14 no.[illegible] My '64.

CALCIUM—ANALYSIS

[illegible] V.V. [illegible], [illegible] Khim.prom. [illegible] no.4:[illegible] '64.

Extraction of calcium by means of [illegible] F. P. [illegible], V.V. [illegible] Izv.khim.zhur. 10 no.4:[illegible]-404 '64.

CALCIUM—SPECTRA

X-ray fluorescence spectrum of calcium in some compounds. A. I. [illegible], V. V. [illegible] Izv.AN SSSR.Ser.fiz. 28 no.5:[illegible]-[illegible] My '64.

CALCIUM CHLORIDE

Method for quick approximate quantitative determination of solutions of novocaine, atropine sulfate and calcium chloride. L. M. [illegible], A. M. Sergeieva. Farmatsev. zhur. 19 no.4:[illegible]-25 '60.

CALCIUM FLUOSILICATE

New calcium fluosilicate. [illegible], V. P. Varlamov. Dokl. AN SSSR 156 no.5:1091-1094 Je '64.

CALCIUM IN THE BODY

Change in the calcium content and alkaline phosphatase activity of blood serum under the influence of the chronic action of strontium-90. A. A. Mirzoian. Vop.radiobiol. [AN Arm.SSR] 3/4:[illegible]-130 '63.

CALCIUM SILICATES

Kinetics of dissolution of CaO, 3CaO.SiO, 2CaO.SiO, and SiO in the liquid phase of cement clinker. N. A. Toropov, F. P. Rumiantsev, V. N. Filipovich. Zhur.fiz. khim. 38 no.4:974-978 Ap '64.

Rare earth silicates as crystal-chemical indicators. Solid solutions of tricalcium silicates with lanthanum oxyorthosilicate. A. I. Boikova, N. A. Toropov, A. K. Kuznetsov. Dokl. AN SSSR 156 no.4:[illegible]-[illegible] Je '64.

Russia (1923- U.S.S.R.) Upravlenie po organizatsii i mekhanizatsii ucheta. [Catalog of parts for the KEL, KELR, SAL, SASL, and SAR computers and for the AES and AESVe adding machines] Katalog detalei vychislitel'nykh mashin modelei KEL, KELR, SAL, SASL i SAR i summiruiushchikh mashin modelei AES i AESVe. Pod red. I. L. Shapiro. Moskva, Gosstatizdat, 1963. 140 p.

CALCULI, BILIARY

Cholecystotomography in the diagnosis of cholelithiasis M B Dul'skii Khirurgiia 39 no 8 65-67 Ag '63.

Cholelithic obstruction of the intestines V I Borodianskii. Khirurgiia 39 no 8 59-62 Ag '63

CALCULI, URINARY

Gigantic ureteral calculus V L Drobner Khirurgiia 38 no 12 103-107 D '62

CALCULUS OF VARIATIONS

"An introduction to the calculus of variations" by L. A. Pars. Reviewed by M. K. Kerimov. Zhur. vych. mat. i mat. fiz. 4 no. 1 206-207 Ja-F '64

n-Dimensional problems of variational calculus in the large S. I. Al'ber. Dokl AN SSSR 156 no. 4,727-730 Je '64.

Necessary conditions of optimum control in Banach spaces IU V Egorov Mat. sbor 64 no. 1 79-101 My '64.

Optimization of parameters in variational problems. O. O. Bolonkin. Dop. AN URSR no. 5 580-582 '64.

CALENDAR see subdivision under Near East

CALIBRATION

Graduation of a multiangular magnetic analyzer-multispectrograph V F Litvin K I Zherebtsova Prib i tekh eksp 8 no 6 33-36 N-D '63

CALLIGONUM see subdivision under Repetek Desert Preserve

CALORIMETERS

Continuously heated adiabatic differential calorimeter with continuous adsorbate feed for measuring the heat of adsorption on small solid surfaces G I. Berezin, A. V. Kiselev, M V. Serdobov Zhur fiz. khim. 36 no. 9:2091-2095 S '62.

Semimicrocalorimeter. E. A. Miroshnichenko, V. P. Leiko, IU. A Lebedev. Zhur. fiz. khim. 38 no. 4; 1054-1055 Ap '64.

CALORIMETRY

Determination of instantaneous heat effects by means of the Mishchenko and Sukhotin modification of the Schottky calorimeter S. I. Drakin, L. N. Erbanova, M. Kh. Karapet'iants. Zhur. fiz. khim. 38 no. 4 1051-1054 Ap '64.

Measurement of the heat flow in the working chambers of bakery ovens. I. M. Verzhbitskaia. Khleb. i kond. prom. 7 no. 12,5-8 D '63.

Study of thermal DNA denaturation with the aid of adiabatic microcalorimetry P. L. Privalov, K. A. Kafiani, D R. Monaselidze Dokl. AN SSSR 156 no. 4; 951-953 Je '64

Thermodynamic properties of corundum as a standard substance in calorimetry. V. IA. Chekhovskoi. Teplofiz. vys. temp. 2 no. 2 296-301 Mr-Ap '64.

CALVES

Effect of trace elements (cobalt and copper) on some blood indices in healthy calves E F Dymko Trudy AZVI 12 365-368 '61

Hemodynamic and electrocardiographic indices in Alatau calves as related to the age and the zone of raising Zh Bekmurzaev Trudy AZVI 12 518-527 '61

Intrasternal method of the injection of drugs in the organism of calves V M Panin Trudy AZVI 12 482-487 '61

Materials on the study of the lymphatic system of the nasal cavity in calves V M. Panin Trudy AZVI 12 474-481 '61

Protein spectrum of the blood serum of Caucasian brown calves. S I Tagi-Zade Dokl AN Azerb. SSR 20 no. 2;71-74 '64.

CALVES—DISEASES AND PESTS

(see also subdivision under Kazakhstan; Smolensk Province)

Carbohydrate metabolism and glucose therapy during pneumonia in calves. M. I. Nemchenko. Trudy Smol. NIVS no. 2;103-110 '62

Hematological changes during a secondary pneumonia in calves. P. N. Razumovskii Trudy Smol NIVS no. 2; 32-38 '62.

Increase in the sensibility of the organism of calves to mold fungi during the treatment with antibiotics B S. Shchetinin Trudy AZVI 12 542-544 '61

Testing polymeric iodine and antibiotics in summer pneumonias of calves. P. N Razumovskii Trudy Smol NIVS no. 2;213-218 '62.

Trudy AZVI 12 326-329 '61

CAMBODIA—SKIN—DISEASES

Dermatovenerological care in Cambodia [with summary in English]. I G. Pidvizhkin. Vest. derm. i ven. 37 no. 6; 53-56 Je '63

CAMBODIA—VENEREAL DISEASES

Dermatovenerological care in Cambodia [with summary in English]. I. G. Pidvizhkin. Vest derm. i ven. 37 no. 6; 53-56 Je '63

CAMELS AS CARRIERS OF DISEASE

Fiftieth anniversary of the discovery of the role of camels in the epidemiology of plague. K. Z. Levtova, S. N. Klodnitskaia. Zhur. mikrobiol., epid. i immun. 40 no. 5 154-156 My '63.

CAMPS

(see also subdivision under Moscow)

Designing a Pioneer camp. L Magnitskaia, A. Popov. Nach shkola 32 no 6 76-81 Je '64

Pioneers are greeted with a resounding joy. Sov. profsoiuzy 20 no. 9·14-15 My '64.

Play in a Pioneer camp. N. Studenetskii. Nach. shkola 32 no. 5·63-67 My '64.

CANADA—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Import and export of enthomophagous insects for acclimatization. V. V. IAkhontov Zashch. rast ot vred. i bol 9 no. 2;55 '64.

CANADA—NATIONALITIES

Why Canada is changing her flag. V Klenov. Nov. vrem 21 no 22,19-20 My '64

CANALS

(see also subdivision under Ukraine; see also Northern Donets-Donets Basin Canal; Ucha Canal)

Deformation of straight canals in sandy soils. M. I. Vinogradov. Trudy MIIT no. 176;26-33 '63.

CANCER

Antigenic properties of the blood and tumorous tissue in people with sarcomas. V. N. Kolmykova, A. M. Eroshkina. Vop. onk. 8 no. 9;26-29 '62.

Blastomogenic action of thorotrast in experimental chronic radiation sickness [with summary in English]. IA. Chalisov, A. N. Kishkovskii. Med. rad. 8 no. 10·65-71 O '63.

Chemotherapy in experimental cancer. Z. N. Karimov, Z. M. Khydaiberdyev. Trudy Inst. kraev. eksper. med. no. 5;175-179 '63.

Content of protein fractions in the blood serum in rabbits with a transplanted osteogenic sarcoma. Z. N. Karimov, F. B. Subkhankulova. Trudy Inst. kraev. eksper. med. no. 5;188-191 '63.

Cytopathogenic effect of the group of tick-borne encephalitis viruses in cultures of transplantable cells of human angiosarcoma. E. N. Levkovich, L G. Karpovich. Vop. med. virus. no. 6 45-48 '59.

Detection of tumor cells in the blood of patients with malignant tumors. L. IU. Dymarskii. Vop. onk. 8 no. 11;116-122 '62.

Determination of the activity of blood catalase in transplanted osteogenic sarcoma. Z. M. Vasserman. Trudy Inst. kraev. eksper. med. no. 5;134-137 '63.

Isolation and properties of cathepsins from transplantable M-1 rat sarcoma. O. V. Kazakova, V. N. Orekhovich. Vop. med. khim. 9 no. 1;63-70 Ja-F '63.

Malignant tumors in two children of the same family. T. O. Kochkina, A. IA. IAkovlev. Vop. onk. 8 no. 9; 83-84 '62.

Materials on histochemical study of dehydrases and cytochrome oxydase in cancerous tissue. N. T. Raikhlin. Vop. onk. 8 no. 9;37-44 '62.

Oxidation processes in the tumorous cells of animals during the multiplication of the virus of tick-borne encephalitis in them. O. T. Lutikova, A. I. Ivanenko. Vop. med. virus. no. 6,101-104 '59.

Picture of peripheral blood and its coagulation time in rabbits with a transplanted osteogenic sarcoma. Z. N. Karimov, S. S. Savchenko, A. E. Edlichka. Trudy Inst. kraev. eksper. med. no. 5;184-187 '63.

Skin changes in radiation exposure regions at late dates after radio- and gammatherapy of malignant tumors [with summary in English]. V. A., Rakhmanov and others. Med. rad. 8 no. 10;43-47 O '63.

Some qualitative characteristics of energy metabolism in the cells of Ehrlich ascites carcinoma. M. F. Sitanitskaia, I. F. Seits. Vop. med. khim. 9 no. 1;19-27 Ja-F '63.

Study of the antigenic properties of human tumor fractions deprived of soluble proteins. V. S. Gostev and others. Vop. onk. 8 no. 9;16-26 '62.

Study of viruses in tumors of chicken embryos. T. M. Maevskaia. Vop. med. virus. no. 6;267-272 '59.

Thrombophlebitis as a symptom of a latent malignant neoplasm L. G. Fishman. Khirurgiia 38 no. 12:63-66 D '62.

Data on the serological diagnosis of chorioepithelioma N D. Anina-Radchenko, K. O. Leonidova. Vop. onk 8 no 11 3-8 '62.

CANCER—PREVENTION

Rusakov, V. I. [Ways of preventing cancer] Puti pr zhdeniia rakovoi bolezni. Moskva, Meditsina, 19 31 p. (Nauchno-populiarnaia meditsinskaia literat (DNLM)

CANCER—TRANSPLANTATION

Effect of hibernation on the growth of sarcoma hete transplants in susliks. E. A. Finkel'shtein, Z. IA. Belogrudova. Vop. onk. 8 no. 9;32-36 '62.

Effect of small doses of X-ray irradiation on the de ment of Ehrlich's ascitic carcinoma transplanted t rats. N. I. Lukash. Vop. onk. 8 no. 9;29-32 '62.

Morphological changes in a transplanted tumor caus by the action of the RNA of a normal tissue. V. M Bresler. Sbor. rab. Inst. tsit. no. 7:47-55 '63.

CANCER RESEARCH

Book reviews. Vest derm. i ven. 37 no. 6:90-93 S '63

Change in the sensitivity of tumorous cells to sarcol in cultivation outside of the organism. I. M. Surikc T. N. Ignatova, V. M. Bresler. Sbor. rab. Inst. tsit. 113-119 '63.

Characteristics of tumors of connective tissue and n cular origin caused by the intramuscular introducti of 20-methylcholanthrene. Report No. 3. Further of the antigenic properties of rat tumors of muscul origin. V. IA. Fel', T. N. TSikarishvili. Sbor. rab. tsit. no. 7:60-75 '63.

Cloning of cells of the three variants of sarcoma 45. I. M. Surikov. Sbor. rab. Inst. tsit. no. 7.120-127 '

Comparative cytological analysis of tumors caused b intramuscular and intratesticular introduction of a cancerogen. V. M. Bresler, N. F. Grigor'eva Sbo rab. Inst. tsit. no. 7;56-60 '63.

Comparative pathology of tumors, tumorous growth i invertebrates. V. M. Bresler. Sbor. rab. Inst. tsit. no. 7;145-154 '63.

Contribution to the development of scientific virology the 70th anniversary of Professor L. A. Zil'ber. V. Bergol'ts. Priroda 53 no. 6;114 '64.

Cytotoxic action of the serum of patients with malign tumors on HeLa cell cultures [with summary in En lish]. S. Nicolau, A. Bodenolu, M. M. Gavrilecu. Vest. derm. i ven. 37 no. 6;7-9 Je '63.

Effect of sarcolysine and the ThioTEPA on ascites tumors in mice and rats M. A. Presnov, A. T. Abbas E. A. Pestova. Vop. onk. 8 no. 11;36-45 '62.

Effect of some antiseptic substances on the ascitic Ehrlich's tumor. S. A. Papoian, V. A. Kunkuradzhi L. S. Gevorkian. Vop. radiobiol. [AN Arm. SSR] 3/4 203-209 '63.

Genetic analysis of the problem of tumor etiology. I Olenov. Sbor. rab. Inst. tsit. no. 7;3-27 '63.

International encouragement of research in the area o cancer control. Vop. onk. 8 no. 9;120 '62.

Irradiation of monolayer cultures of rat fibroblasts port No. 1. Repeated action of ionizing radiation in small doses. IU. B. Vakhtin and others. Sbor. rab. I tsit. no. 7·92-100 '63.

Irradiation of monolayer cultures of rat fibroblasts. port No. 2. Singular action of ionizing radiation in large doses. IU. B. Vakhtin and others. Sbor. rab. In tsit. no. 7:101-108 '63.

Preparation of the rat sarcoma 45 strain adapted to t conditions of cultivation in vitro. I. M. Surikov Sbo rab. Inst. tsit. no. 7;109-112 '63.

Transplantable ascites rat tumor, the Ois strain E. I Pogosiants, E. L. Prigozhina, N. A. Egolina. Vop on 8 no. 11;29-30 '62.

CANCER RESEARCH—CONGRESSES

International Cancer Research Congress. 8th, Moscow, 1962. [Transactions of the Eighth International Canc Research Congress in six volumes] Trudy v shesti tomakh. Moskva, Medgiz.

- Vol. 1. [Organization of the Congress, problems cancer epidemiology and prevention] Organizatsiia kongressa, voprosy epidemiologii raka i protivorakovoi bor'by. 1963. 613 p.
- Vol. 6. [Problems of the medicinal treatment of tumors] Voprosy lekarstvennogo lecheniia opukholei. 1963. 394 p.

(DNLM)

CANDIDA (FUNGUS)

Accompanying microflora in trichomoniasis of cattle and its role in the pathology of the sexual apparatus I. V. Petrukhin. Trudy Smol. NIVS no. 2;239-246 '62

Vitamin B requirements of some representatives of yeasts of the genus Candida. M. A. Ter-Karapetian, E. N. Makarova. Izv. AN Arm. SSR. Biol. nauki 16 no. 5;15-24 My '63.

[illegible] pathogens [illegible] [illegible] [illegible] [illegible] [illegible] 10 no. [illegible] 43 [illegible] '64.

CANNABIS INDICA

[illegible]

CANNED FISH see Fish, Canned

CANNING AND PRESERVING—RESEARCH see subdivision under Research

CANNING INDUSTRY

[illegible] Ap '64.

[illegible] 12 no. 4 [illegible] Ap '64.

[illegible] Ap '64.

[illegible] development of [illegible] Ap '64.

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic [illegible] Ap '64.

[illegible] 19 [illegible] Ap '64.

[illegible]

[illegible]

[illegible] see also [illegible] Malaysia [illegible]

CAPILLARITY

[illegible]

CAPITAL

(see also subdivision under Middle [illegible] region)

[illegible]

[illegible] [Ekonomicheskie [illegible]] [illegible]

[illegible]

CAPITAL INVESTMENTS

(see also subdivision under [illegible] [illegible] [illegible])

[illegible]

[illegible]

[illegible]

[illegible]

CAPITALISM

(see also subdivision under [illegible])

[illegible]

[illegible] [illegible] [illegible] [illegible] 1963 [illegible]

[illegible] [illegible] [illegible] 1964. 43 p.

[illegible]

[illegible] [illegible] 1964. 162 p.

[illegible]

[illegible]

CARBAMIC ACID

[illegible]

CARBAZOLE

[illegible] on the electronic [illegible] Ap '64.

CARBENE

[illegible] and tetrachloromethane with [illegible] A new technique of chloro[illegible] [illegible] A. A. [illegible] Dokl. AN [illegible] no. 4 [illegible] '64.

CARBIDES

Effect of [illegible] of the [illegible] [illegible] properties of [illegible] oxides and carbides [illegible] V. A. [illegible] Zhur. [illegible] Ap '64.

CARBOHYDRATE METABOLISM

Carbohydrate metabolism during "sympathetic" pneumonia. [illegible] Trudy [illegible] no. [illegible]

Carbohydrate metabolism during "vagal" pneumonias. [illegible] Trudy [illegible]

[illegible] plants [illegible] related to [illegible] Vestsi AN [illegible]

[illegible]

CARBOHYDRATES

[illegible] synthesis of carbohydrates [illegible]

CARBON

[illegible] at high [illegible] Ap '64.

[illegible] at high tem[illegible] [illegible] My '64.

CARBON, ACTIVATED

[illegible]

CARBON BLACK

[illegible] Ap '64.

CARBON DIOXIDE

[illegible]

[illegible] at high tem[illegible] My '64.

[illegible]

[illegible] heterotrophic [illegible] synthesis [illegible] Mikrobiologiia [illegible]

[illegible]

[illegible] to increase the petroleum [illegible]

CARBON ISOTOPES

[illegible] of oxygen and carbon isotopes between [illegible] of the dissociation in a [illegible] A. [illegible] Zhur. fiz. khim. 38 no. [illegible] '64.

CARBON MONOXIDE

[illegible] in a glow discharge. V. V. [illegible], I. A. Chernenko. Izv. [illegible] no. [illegible] '64.

[illegible] carbon monoxide [illegible] catalysts [illegible] VNII [illegible] no. [illegible]

CARBON MONOXIDE—ABSORPTION SPECTRA

[illegible] spectra of carbon monoxide [illegible] [illegible] Zhur. fiz. khim. 38 no. [illegible] Ap '64.

CARBON TETRACHLORIDE—TOXICOLOGY

[illegible] in the blood in carbon tetrachloride poisoning. [illegible] V. A. [illegible] [illegible] '64.

CARBONATES see subdivision under [illegible]

CARBONIC ANHYDRASE

Metabolism of myocardial [illegible] in compensatory hyperfunction of the heart. Myocardial carbonic anhydrase activity in compensatory hyperfunction and hypertrophy of the heart. V. M. [illegible], [illegible] Vop. med. khim. [illegible] no. [illegible] '64.

CARBONIUM COMPOUNDS

Carbonium copolymerization of dimethacrylate-bis(tri-ethylene glycol) phthalate with styrene. [illegible] Lipatova, V. M. [illegible] Vysokom. soed. 6 no. [illegible] My '64.

Catalytic polymerization of unsaturated polyesters. Carbonium polymerization of polyester acrylates. [illegible] Lipatova. Plast. massy no. [illegible] '64.

CARBONYL GROUP—SPECTRA

Integral intensities of carbonyl bands of the pyrone and quinone series. M. I. [illegible] and others. Izv. AN SSSR. Otd. khim. nauk no. 5 [illegible] My '64.

CARBONYLS—ABSORPTION SPECTRA

Infrared absorption spectra of oxalhalides of some metals. Iu. IA. Kharitonov, Iu. A. [illegible] Izv. AN SSSR. Ser. khim. no. 5 [illegible] My '64.

CARBUNCLE

[illegible] therapy of furuncles and carbuncles in persons working in [illegible] P. N. [illegible] Vest. vener. i derm. [illegible] '64.

CARBURETORS—MODELS

Carburetor model for projection on a screen. A. IA. [illegible] Shkol. i proizv. 6 no. [illegible] Je '64.

CARCINOGENS

Characterization of the carcinogenic effect of N, N'-dimethylhydrazine. [illegible] Vop. onk. [illegible] no. [illegible]

Comparative cytological analysis of tumors caused by the intramuscular and intravenous introduction of a carcinogen. V. M. [illegible], N. I. [illegible] Sbor. [illegible] no. [illegible] '64.

CARDIAC GLYCOSIDES

Cardiac glycosides from the herb of wormseed mustard (Erysimum cheiranthoides L.). I. I. Makarevich, M. IA. [illegible] Farmatsev. zhur. 18 no. [illegible] '63.

[illegible] and treatment of [illegible] [illegible] [illegible] of cardiac glycosides. [illegible] Trudy Inst. [illegible] no. [illegible] '64.

[illegible] effect of new cardiac glycosides. [illegible] Trudy Inst. [illegible] '64.

[illegible] of peripheral blood in patients treated with cardiac glycosides. [illegible] Trudy Inst. [illegible] no. [illegible] '64.

CARDINALS

Lavreckis, Jozif. [Do the cardinals go to hell] Ar kardinolai eina i pragara? Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 271 p. [In Lithuanian]

CARDING MACHINES

[illegible] concerning the [illegible] carding problem. [illegible] Tekst. prom. [illegible] no. [illegible] Ap '64.

CARDIOVASCULAR SYSTEM

Effect of disturbances of electrolyte balance on the function of the cardiovascular system; a review of literature. V. N. [illegible] Kardiologiia [illegible] '64.

Hemodynamics and electrocardiographic indices in Alatau [illegible] related to the age and the state of training. [illegible] Trudy AzVI [illegible] '64.

Immediate reactions of the cardiovascular system of animals to the external effect of ionizing radiation. K. Sh. Nadareishvili. Trudy Inst. fiziol. AN Gruz. SSR 13:19-238 '63.

Localization and interrelationship of centers controlling the cardiovascular system. G. E. Samonina. Usp. sovr. biol. 57 no. 3:404-431 My-Je '64.

CARDIOVASCULAR SYSTEM—DISEASES

Soboleva, A. V. [Electrographic methods of examination in the expertise for work capacity in diseases of the cardiovascular system; methodological fundamentals] Elektrograficheskie metody issledovaniia v ekspertize trudosposobnosti pri zabolevaniiakh serdechno-sosudistoi sistemy, metodicheskie osnovy. [Leningrad] Meditsina, 1964. 94 p.
(DNLM)

CARGO HANDLING

Loading and unloading of grain according to new processes. [illegible] Mor. flot 24 no. 3:10-11 Mr '64.

Mil'man, I. D. [Manual for the training of harbor workers of the fourth class] Uchebnoe posobie dlia podgotovki portovogo rabochego IV klassa. Moskva, Izd-vo "Transport," 1964. 182 p.

flot 24 no,3 46 Mr '64

CARICATURES AND CARTOONS

Bidstrups, H. [Bidstrup laughs, Bidstrup ridicules] Bidstrups smejas, Bidstrups izsmej. Riga, Latvijas Valsts izd-ba, 1963. 1 v. (chiefly illus.) [In Latvian and Russian]

CARNALLITE

Actual state and factors of stability of carnallite workings at the Solikamsk Mine. V.L Vodop'ianov and others. Nauch.trudy PermNIUI no.4 87-100 '62.

Improvement of working carnallite in Upper Kama mines. G.L. Lapin, A.N. Tregubov. Nauch trudy PermNIUI no.4 133-135 '62

CARNIVORA

Characteristics of the neuronal structure and topography of the reticular formation in carnivora. G.P. Zhukova, T.A. Leontovich. Zhur.vys.nerv.deiat 14 no.1 124-147 Ja-F '64.

CARNIVORA—PARASITES see Parasites—Carnivora

CAROTID ARTERY

Methodology of the percutaneous puncture of the common carotid artery in angiography M S Korotkevich Trudy Gos nauch -issl psikhonevr inst 31 169-175 '63

CAROTID ARTERY—DISEASES

Restoration of the arterial circulation in extracranial occlusions of the carotid artery. V Marinesku D Setlachek, F. Nash Khirurgiia 39 no 8 100-107 Ag '63.

CAROTID ARTERY—LIGATURE

Evaluation of ligation of the external carotid artery in the treatment of cancer of the oral cavity and tongue V.A Gremilov Vop.onk. 8 no 11 77-84 '62

CAROTID BODY—SURGERY

Surgical treatment of tumors of the carotid bodies (chemodectomas). L.A.Atanasian Vop.onk. 8 no.9: 101-111 '62.

CAROTID BODY—TUMORS

Surgical treatment of tumors of the carotid bodies (chemodectomas). L.A.Atanasian. Vop.onk. 8 no.9: 101-111 '62.

CARP see subdivision under Kabardino-Balkar A.S.S.R., Khrami Reservoir; Volga Delta

CARPATHIAN MOUNTAIN REGION—POTASSIUM SALTS

Geology and conditions governing the formation of potassium deposits in the Soviet cis-Carpathian region. S.M.Korenevskii, K.B.Donchenko. Trudy VSEGEI 99.3-152 '63.

CARPATHIAN MOUNTAINS—GEOLOGY

Outline of the geology of the Bukovina Carpathians. V.N.Robinson. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2:25-48 '59.

CARPATHIAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Geology of the margin of the Bukovina Carpathians. D.K. Baltiskii. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2: 49-60 '59.

CARPATHIAN MOUNTAINS—GEOLOGY, STRUCTURAL

Characteristics of endogenetic metallogeny in the Carpathian mountain country. E.K.Lazarenko. Zakonom. razm.polezn.iskop. 7:373-375 '64.

Golshtein, I.D. [Recent tectonics of the Carpathians] Neotektonika Karpat. Kiev, Izd-vo Akad. nauk USSR, 1964. 181 p.

CARPATHIAN MOUNTAINS—MINERALOGY

Basic characteristics of the petrography and mineralogy of the Eocene sediments in the Bukovina Carpathians. G.N.Brovkov. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2;73-98 '59.

CARPATHIAN MOUNTAINS—ORE DEPOSITS

Characteristics of endogenetic metallogeny in the Carpathian mountain country. E.K.Lazarenko. Zakonom. razm.polezn.iskop. 7;373-375 '64.

Some comparative characteristics of igneous activity and the metallogeny related to it in the Crimean Mountains and Soviet Carpathians. V.I.Lebedinskii. Zakonom. razm.polezn.iskop. 7;384-386 '64.

CARPATHIAN MOUNTAINS—PETROLOGY

Basic characteristics of the petrography and mineralogy of the Eocene sediments in the Bukovina Carpathians. G.N.Brovkov. Uch.zap.Chern.un. 24.Ser.geol.nauk no.2;73-98 '59.

CARPATHIAN MOUNTAINS—ROCKS, IGNEOUS

Some comparative characteristics of igneous activity and the metallogeny related to it in the Crimean Mountains and Soviet Carpathians. V.I.Lebedinskii. Zakonom. razm.polezn.iskop. 7;384-386 '64.

CARPENTERS see subdivision under Krasnoyarsk Territory

CARPENTRY

Sterns, Hugo. [What a young carpenter should know] Kas jazina jaunam namdarim. Riga, Latvijas Valsts izd-ba, 1964. 137 p. (Jauna stradnieka biblioteka) [In Latvian]

CARPENTRY—STUDY AND TEACHING

Work objects in a carpentry workshop. L.P. Antonov. Shkola i proizv. 8 no.6.68-71 Je '64.

CARPETS see Rugs and carpets

CARROTS

Effect of seed disinfection on the yield of carrots. M.K. Litvinova, V.I.Litvinov. Zashch.rast.ot vred.i bol. 9 no.2;22-23 '64.

CARTONS

Paperboard-making K-07 machinery for the manufacture of the outside box cardboard. A.P.Odoevtsev, G.I. Tsirel'son. Bumagodel.mash. no.11;149-167 '63.

CASCADES (FLUID DYNAMICS)

Flow about a circular cascade of disks. IU.E.Kariakin. Trudy LPI no.230:21-23 '64.

CASE HARDENING

Accelerating nitriding during high-frequency heating M.I.Kalashnikova, A.S Zot'eva. Metalloved.i term. obr.met. no.4;46-47 Ap '64.

Increasing the fatigue strength of cemented and cyanided parts by shot peening. D.A.Sveshnikov. Metalloved i term.obr.met. no.4;47-49 Ap '64.

Mechanizing the packing of a heat insulating mass during chemical and heat treatment. S.F.Solodovnik. Metalloved.i term.obr.met. no.5:48-49 My '64.

Nitriding of guide vanes. IA.L.Voinich. Metalloved.i term.obr.met. no.4;44-45 Ap '61

Zil'ber, IA.K. [Gas case hardening of steel] Gazovaia tsementatsiia stali. [Saratov] Saratovskoe knizhnoe izd-vo, 1963 48 p. (Novoe v tekhnike)

CASEIN

Determination of the composition of products of graft copolymerization of esters of acrylic acid with casein. S.I.Trakhtenberg, R.N.Korostyleva. Dokl LPI 5 no.1/2,20-24 '63.

CASPIAN LOWLAND—GAS, NATURAL—GEOLOGY

Features of the tectonic plan of the monoclinal margin of the Caspian Lowland and prospects for discovering oil- and gas- bearing structures. IU.M.L'vovskii. Izv.vys.ucheb.zav., neft' i gaz 7 no.3,3-6 '64.

CASPIAN LOWLAND—GEOLOGY, STRUCTURAL—MAPS

Structural diagram of the Mesozoic complex of the Caspian Lowland Region in connection with its oil and gas potentials. IU.M.Vasil'ev, I.I.Skvortsov. Neftegaz. geol.i geofiz. no.4·18-21 '64.

CASPIAN LOWLAND—PETROLEUM GEOLOGY

Features of the tectonic plan of the monoclinal margin of the Caspian Lowland and prospects for discovering oil- and gas- bearing structures. IU.M.L'vovskii. Izv.vys.ucheb.zav.; neft' i gaz 7 no.3,3-6 '64.

Prospecting for oil in the Caspian Lowland as related to the prospecting results obtained in certain other salt-dome regions. Kh G.Sokolin. Trudy VNIGNI no.40;170-181 '64.

Structural diagram of the Mesozoic complex of the Caspian Lowland Region in connection with its oil and gas potentials. IU.M.Vasil'ev, I.I.Skvortsov. Neftegaz. geol.i geofiz. no 4.18-21 '64.

CASPIAN LOWLAND—RICE—IRRIGATION

Irrigation system for rice in the salinized soils of the Caspian Lowland. I.I.Churikov. Gidr.i mel. 16 no.4·34-38 Ap '64.

CASPIAN LOWLAND—SALT DOMES

Prospecting for oil in the Caspian Lowland as related to the prospecting results obtained in certain other salt-dome regions. Kh.G.Sokolin. Trudy VNIGNI no.40;170-181 '64.

CASPIAN LOWLAND—SEISMIC PROSPECTING

Seismic errors in the central and western regions of the Caspian Lowland. M.S.Arabadzhi, IU.M.Vasil'ev, V.S.Mil'nichuk. Izv.vys.ucheb.zav.; neft' i gaz 5 no.11:3-7 '62.

CASPIAN SEA—ISLANDS

Islands of the Caspian Sea eastern coastline. K.M.Petrov Trudy Turk.geog.ob-va no.1;227-253 '58.

CASPIAN SEA—MERCHANT MARINE

Caspian Sea transportation workers are expanding volunteer work. I.Golodenko. Mor.flot 24 no.3: 40 Mr '64.

Kozhin. Ryb.khoz. 40 no.1 23-25 '64.

CASPIAN SEA—SUBMARINE GEOLOGY

Sharkov, V.V. [Geology of the underground slope the western coast of the Caspian Sea (from the c Makhachkala to the Kura estuary)] Geologiia po go sklona zapadnogo berega Kaspiiskogo moria (ot g.Makhachkala do ust'ia r. Kury). Moskva, "Nauka," 1964. 429 p. maps (in pocket insert)

CASPIAN SEA REGION—DISCOVERY AND EXPLO

Samuel Gottlieb Gmelin's voyage across the Casp Sea to its eastern shore in 1773. K.I.Shafranov Trudy Turk geog.ob-va no.1;181-226 '58

CASPIAN SEA REGION—MUD VOLCANOES

Ooze of the Uzboy Valley and volcanic muds of the ern Caspian coast. V F.Kazakov. Izv.AN Tur Ser.biol.nauk no.2.64-70 '64.

CASPIAN SEA REGION—ORE DEPOSITS

Diagenetic mineral formation in the Pliocene and Quaternary sediments of the Southern Caspian based on off-shore drilling data. Z.R.Timofeev Lit.i pol.iskop. no.2;3-10 Mr-Ap '64

CASPIAN SEA REGION—PETROLEUM GEOLOGY

"An abundance of petroleum east of the Caspian Se M.Gol'd. Izv.vys.ucheb.zav., neft' i gaz 5 no. 58,62 '62.

CASPIAN SEA REGION—PHYTOGEOGRAPHY

Perennial repeated geobotanical studies and perma profiles (topoecological series) E V Shiffers. AN SSSR.Ser geog. no 3 24-28 '64

CASPIAN SEA REGION—PLAGUE

Reviews, criticism and bibliography. A.A.Lisitsy E.N.Pavlovskii. Zhur.mikrobiol.,epid.i immun no.5,157-161 My '63.

CAST IRON

Bobro, IU.G. [Aluminum cast iron] Aliuminievy guny. Khar'kov, Izd-vo Khar'kovskogo univ., 196 194 p.

Nature of the adherence of a layer of white cast iro steel on plating by friction. IA.M.Ker shenbaum others. Trudy MINKHGP 46:213-219 '64.

CAST IRON—CORROSION

Using anticorrosive greases in subways. S.N.Vla V.F.Negreev, D.M.Abramov. Transp.stroi. 14 43-45 Mr '64.

CAST IRON—METALLOGRAPHY

Eutectoid interval of some engineering cast irons. I.V.Gorbachev, L.IA.Dement'eva. Trudy UVPI no.1;107-110 '62.

CAST IRON—METALLURGY

Gol'denberg, L.I. [Native alloy cast iron is an ind potential] Prirodnolegirovannyi chugun - rezerv pr myshlennosti. Moskva, Izd-vo Metallurgiia, 1964 110 p.

CASTOR BEAN—DRYING

Drying castor bean seeds and capsules in bulk. V.S. Ukolov, V.A.Rozchikov, G.I.Lobodik. Trudy VN no.47;3-13 '63.

CASTRATION

Radioactive iodine (I^{131}) used in determining the hor activity of the thyroid gland in rats following castr A.A.Balburtsian and others. Vop.radiobiol.[AN SSR] 3/4;225-228 '63.

CATALASE

Determination of the activity of blood catalase in tra planted osteogenic sarcoma. Z.M.Vasserman. T Inst.kraev.eksper.med. no.6;131-137 '63.

Effect of direct current on the blood catalase activity irradiated rats. R.K.Arutiunian, R.A.Gabrielian, S.G.Ambartsumian. Vop.radiobiol.[AN Arm.SSR] 3/4;289-291 '63.

Induction of catalase and cystine desulfurase activity transplanted mouse hepatoma under the effect of r nucleoprotein isolated from the normal liver. V.S Shapot, S.IA.Davydova, G.A.Drozdova. Vop.med. khim. 9 no.1;102-104 Ja-F '63.

Study of catalase-active systems. Part 6. Zh.P.Ka nova, A.P.Purmal'. Zhur.fiz.khim. 38 no.4: 1041-1044 Ap '64.

CATALOGING see subdivision under Lithuania

CATALOGS, CLASSIFIED

Promoting classified catalogs in children's libraries. L.V.Khortiunova. Sov.bibl. no.1;40-53 '64.

CATALOGS, UNION

[Union catalog of 18th-century Russian books of the c press, 1725-1800] Svodnyi katalog russkoi knigi gra danskoi pechati XVIII veka, 1725-1800. Moskva, I Gos. biblioteki SSSR im. V. I. Lenina.
Vol.2. K - P. 1964. 614 p.

[illegible]

CATALYSIS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CATALYSTS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] compounds obtained in synthesis over [illegible] catalyst. M. I. Ulanova, I. I. Rapoport. [illegible]

[illegible] of [illegible] of [illegible] I. A. Nikolaev. [illegible] My '64

[illegible] effects of [illegible] dioxide on a cobalt [illegible] in the synthesis of higher hydrocarbons from [illegible] under atmospheric pressure. IA. T. [illegible] [illegible] Neftekhimiia [illegible]

Selection of raw materials for the production of catalysts for [illegible] synthesis. I. M. Dulticenko and others. [illegible] no.10:750-752 [illegible]

[illegible] reactions of oxidation, hydrogenation, [illegible] of combustion on solid catalysts. [illegible] Zhur. fiz. khim. 38 no.4: [illegible] Ap '64.

[illegible] on alumina-silica catalyst. V. [illegible] V. I. Vatiamo. Dokl. AN [illegible] Ap '64.

CATALYSIS SPECTRA

[illegible] system $(C_5H_5)_2TiCl_2 + Al(C_2H_5)_2Cl$. [illegible] V. A. [illegible] V. F. [illegible] no.4:[illegible] Ap '64.

CATHEPSIN

[illegible] radiation and chloroprene on [illegible] activity. [illegible] V. [illegible] (AN Armen [illegible]

[illegible] activity in human brain tumors. [illegible] Vop. neirokhir. [illegible]

[illegible] from transplantable [illegible] V. N. [illegible]

CATHETERS

[illegible] of the segmental bronchi with [illegible] catheters. M. O. Vinner [illegible] no.8:[illegible] Ag '63.

CATHODES

[illegible] argon cesium photo[illegible] no.8:[illegible]

CATHOLIC CHURCH see subdivision under Austria; Lithuania

CATHOLIC CHURCH—CLERGY
(see also subdivision under Ireland; Lithuania)

Laurinaitis, Juozas. [Do the cardinals go to hell] Ar kardinolai eina į pragarą? Vilnius, Valstybinė politinės ir mokslinės literatūros leidykla, 1963. 271 p. [In Lithuanian]

CATHOLIC CHURCH—DOCTRINAL AND CONTROVERSIAL WORKS

[illegible], A. A. [The "Gospel" from... a Jesuit; reflections of a former theologian on the book "Solution of the problems of life" by the priest F. Lokkis] "Evangelie" ot... [illegible] F. Lokkis "Reshenie problemy zhizni." [In Latvian] [illegible], 1964. 217 p.

CATHOLIC CHURCH—RELATIONS (DIPLOMATIC)

[illegible] Nov vrem. [illegible]

CATTLE see subdivision under Kazakhstan; Ukraine

CATTLE—DISEASES AND PESTS

[illegible], L. V. [Trichomoniasis in cattle] Trikhomonoz krupnogo rogatogo skota. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 34 p.
(MIRA)

CATTLE—FEEDING AND FEEDS
(see also subdivision under Alma-Ata; Altai Territory; Ukraine)

[illegible] and [illegible] bicarbonate in cattle rations [illegible] in English, German, and French]. [illegible] M. V. Kovaleva, A. S. Talalaeva. Vest. sel'khoz. nauki 8 no.[illegible] '63.

Organization of cattle fattening work on specialized state farms. V. [illegible] Zhur. sel'khoz. 35 no.[illegible] Mr '64.

CATTLE—PARASITES see Parasites—Cattle

CATTLE—PHYSIOLOGY see subdivision under Smolensk Province

CATTLE—WATERING see subdivision under Transbaikalia

CATTLE AS CARRIERS OF DISEASE

Investigations of vaccinal prevention of the bovine type of tuberculosis. G. A. Balashin. Zhur. mikrobiol., epid. i immun. 40 no.[illegible] Je '63.

[illegible] characteristics of [illegible] cattle. M. M. Dagaev. Vest. sel'khoz. nauki 8 no.[illegible] '64.

CATTLE BREEDS see subdivision under Kazakhstan

CATS—PARASITES see Parasites—Cats

CAUCASUS—ANTHRAX

Morbidity from anthrax in animals and humans in Ciscaucasia and Transcaucasia in 1950-1961; authors' abstract. N. I. Makarov and others. Zhur. mikrobiol., epid. i immun. 40 no.5:112-114 My '63.

CAUCASUS—ATMOSPHERIC TEMPERATURE

Vertical temperature gradients on the southern slope of the Caucasus Range within the limits of Georgia. M. O. Lordkipanidze, Sh. I. D. [illegible]. Trudy Inst. geog. AN Gruz. SSR 10:105-107 '63.

CAUCASUS—BEECH—DISEASES AND PESTS

Fungi causing the decomposition of wood of the Caucasian beech (Fagus orientalis Lipsky). D. K. Flerov. Bot. zhur. 49 no.2:[illegible] '64.

CAUCASUS—BIRDS—EGGS AND NESTS

Characterization of the reproduction of birds in the Alpine area of the Central Caucasus. V. G. Ivanov, G. P. Chumkhin. Uch. zap. Kab.-Balk. gos. un. no.10:103-109 '61.

CAUCASUS—CHERNOZEM SOILS

Effect of oak plantations on the content of humus in the Ciscaucasian Chernozem soils. V. A. Mel'chanov. Agrobiologiia no.2:307-309 Mr-Ap '64

CAUCASUS—CONCRETIONS

Siliceous concretions in the Lower Jurassic terrigenous sediments of the western Caucasus. A. A. Nyrkov. Lit. i pol. iskop. no.2:[illegible]-130 Mr-Ap '64.

CAUCASUS—DESCRIPTION AND TRAVEL

Juozapavičius, Pranas [Across the Caucasus; on tourist trails] Per Kaukazą turistiniais takais. Vilnius, Valstybinė politinės ir mokslinės literatūros leidykla, 1963. 41 p. illus. [In Lithuanian]

CAUCASUS—DESERT CANDLE

The Crimean desert candle (Eremurus tauricus Stev.) in the Caucasus. G. S. Kharkevich. Bot. zhur. 49 no.2:[illegible] '64.

CAUCASUS—FOREST SOILS

Dynamics of respiration and atmospheric carbon dioxide of alpine forest soils at the southeastern extremity of the Greater Caucasus. Kh. N. Gasanov. Dokl. AN Azerb. SSR 19 no.10:[illegible] '63.

CAUCASUS—GASTROPODA, FOSSIL

Aliev, G. A. [Cretaceous gastropods of the Lesser Caucasus and their stratigraphic significance] Briukhonogie mela Malogo Kavkaza i ikh stratigraficheskoe znachenie. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 166 p. illus.

CAUCASUS—GEOLOGY

Distribution of the Lower Carboniferous in the main range zone of the Greater Caucasus and on its northern slope. V. N. Robinson. Uch. zap. Chern. un. 24. Ser. geol. nauk no.2:[illegible] '59

CAUCASUS—GEOLOGY, STRUCTURAL

Mechanism of the formation of folding of the "Tertiary" [illegible]. A. D. Aliev. Dokl. AN Azerb. SSR 19 no.10:[illegible] '63.

Relation of volcanism to transverse upheavals. II. T. [illegible] Dokl. AN Arm. SSR 38 no.3:175-180 '64

Role of faults and structures of deep location in the metallogeny of fold zones as revealed by a study in the Caucasus. F. Sh. [illegible]. Zakonom. razm. polezn. iskop. 7:[illegible] '64

CAUCASUS—GEOMORPHOLOGY—CONGRESSES

The All-Union Conference on the Paleogeography and Geomorphology of the Caucasus. N. V. Dumitrashko. Izv. AN SSSR. Ser. geog. no.3:128-129 '64.

CAUCASUS—GOLD ORES

Some structural characteristics of gold mineralization in the Amasiya-Akera zone. D. G. Sallis. Zakonom. razm. polezn. iskop. 7:560-567 '64.

CAUCASUS—HUMUS

Effect of oak plantations on the content of humus in the Ciscaucasian Chernozem soils. V. A. Mel'chanov. Agrobiologiia no.2:307-309 Mr-Ap '64.

CAUCASUS—LEAD ORES

Characteristics of the distribution of lead-zinc deposits in the Caucasus. A. A. Amiraslanov. Zakonom. razm. polezn. iskop. 7:553 '64.

CAUCASUS—MERCURY ORES

Geological characteristics of the distribution of mercury mineralization in the Greater Caucasus. N. G. Demidova. Zakonom. razm. polezn. iskop. 7:235-238 '64.

[illegible] minerals. A.I Mamedov. Zakonom razm.polezn iskop 7 371-372 '64

CAUCASUS—MOSSES

[illegible], a new genus of mosses of the Caucasus. A.L. Abramova, I.I Abramov. Dokl AN Arm.SSR 38 no 4 [illegible] '64

CAUCASUS—NAMES, GEOGRAPHICAL

Origin of the name "Min'i-tau" Sh Kh Akbaev Dokl AN Azerb SSR 20 no 2 75-79 '64

CAUCASUS—NATURAL HISTORY

Gulisashvili, V.Z. [Natural zones and the natural history regions of the Caucasus] Prirodnye zony i estestvennoistoricheskie oblasti Kavkaza. Moskva, Izd-vo "Nauka," 1964. 326 p.

CAUCASUS—OAK

Effect of oak plantations on the content of humus in the Ciscaucasian Chernozem soils V.A Mel'chanov Agrobiologiia no 2 307-309 Mr-Ap '64

CAUCASUS—ORE DEPOSITS

Basic characteristics of metallogeny in the Sevan-Akera zone of the Lesser Caucasus S.M Suleimanov. Zakonom razm.polezn iskop 7:257-260 '64

Basic characteristics of the distribution of endogenetic deposits in the Dashkesan ore zone. M A Mustafabeili, I M.Liberzon, D M Akhmedov Zakonom.razm.polezn iskop. 7:261-263 '64

Characteristics of the igneous activity and metallogeny of geosyclinal and platform stages in the development of the western part of the Greater Caucasus V I Smirnov and others Zakonom razm polezn iskop 7:210-218 '64

Comparative characteristics of the metallogeny of the Lesser Caucasus and Kamchatka-Koryak zone I.G Magak'ian Zakonom.razm polezn iskop 7:288-294 '64.

Intrusive igneous activity and the metallogeny of the Dashkesan ore region M A Kashkai Zakonom.razm polezn.iskop 7,354 '64.

Metallogeny of the Alaverdi-Bolnisi ore region. V G. Gogishvili, T.Sh Gogishvili. Zakonom.razm polezn. iskop. 7:369-370 '64

Metallogeny of the Caucasus. Sh.A Azizbekov and others. Zakonom razm.polezn iskop. 7,5-47 '64.

Role of faults and structures of deep location in the metallogeny of fold zones as revealed by a study in the Caucasus. E Sh.Shikhalibeili. Zakonom.razm polezn. iskop 7 201-209 '64

Small intrusions of the Caucasus and their metallogenic role. I N Sitkovskii Zakonom razm.polezn.iskop. 7:193-200 '64

CAUCASUS—PALEOGEOGRAPHY—CONGRESSES

The All-Union Conference on the Paleogeography and Geomorphology of the Caucasus N V Dumitrashko Izv AN SSSR Ser geog no 3 126-128 '64

CAUCASUS—PYRITES

Genetic characteristics of pyrite deposits in the Lesser Caucasus and some characteristics of their distribution. P F.Sopko. Zakonom.razm.polezn.iskop. 7:358-359 '64.

Pyrite mineralization of the Chibukhli--Tanzut ore region as related to the development of the igneous activity in the Amasiya-Akera zone S.Sh Sarkisian. Zakonom. razm polezn.iskop. 7:359-360 '64.

CAUCASUS—ROBBER FLIES

Materials on robber flies (Diptera, Asilidae) of the Caucasus. V.A.Rikhter. Izv.AN Arm.SSR, Biol. nauki 16 no.5:85-90 My '63.

CAUCASUS—ROCKS, IGNEOUS

Characteristics of the igneous activity and metallogeny of geosyclinal and platform stages in the development of the western part of the Greater Caucasus. V.I. Smirnov and others Zakonom.razm polezn.iskop. 7,210-218 '64

Intrusive igneous activity and the metallogeny of the Dashkesan ore region. M.A Kashkai. Zakonom.razm. polezn.iskop. 7:354 '64.

Pliocene volcanism in the Sevan-Akera and its role in the formation of minerals. A.I Mamedov. Zakonom. razm.polezn.iskop. 7:371-372 '64

Small intrusions of the Caucasus and their metallogenic role I.N.Sitkovskii. Zakonom.razm.polezn.iskop. 7:193-200 '64.

CAUCASUS—ROCKS, SEDIMENTARY—ANALYSIS

Siliceous concretions in the Lower Jurassic terrigenous sediments of the eastern Caucasus. A.A.Nyrkov. Lit.i pol.iskop no.2:147-149 Mr-Ap '64.

CAUCASUS—RUNOFF

The average runoff of eastern Caucasus rivers. L.A. Vladimirov, V.K.Gvakharlia. Trudy Inst.geog.AN Gruz.SSR 18 223-235 '63

CAUCASUS—SEDGES

Studying one of the types of the alpine swamp sedges in the Greater Caucasus K R.Kimeridze Soob AN Gruz SSR 30 no.3 311-318 Mr '63

of alpine forest soils at the southeastern extremity of the Greater Caucasus. Kh.N.Gasanov. Dokl.AN Azerb SSR 19 no 10,69-72 '63.

CAUCASUS—TULIPS

New finds of Tulipa lipskyi Grossh. in the Caucasus. M.D.Altukhov. Bot.zhur. 49 no.2 262-263 F '64.

CAUCASUS—VOLCANOES

Relation of volcanism to transverse upheavals R T Dzhrbashian Dokl An Arm SSR 38 no 3 175-180 '64

CAUCASUS—WOOD-DECAYING FUNGI

Fungi causing the decomposition of wood of the Caucasian beach (Fagus orientalis Lipsky). B.K.Flerov. Bot. zhur. 49 no.2 247-251 F '64.

CAUCASUS—ZINC ORES

Characteristics of the distribution of lead-zinc deposits in the Caucasus. A.A Amiraslanov Zakonom.razm. polezn.iskop 7:353 '64.

CAUCASUS, NORTHERN—ADMINISTRATIVE ECONOMIC COUNCILS

In the technical and economic council of the North Caucasus Economic Council. L.S.Pliushch. Biul.tekh.-ekon. inform.Gos.nauch -issl.inst.nauch.i tekh inform. 17 no.2:77-78 '64.

CAUCASUS, NORTHERN—AMMONOIDEA

New data on the Lower Jurassic of Ciscaucasia. I.G. Sazonova Trudy VNIGNI no.38 164-169 '63.

CAUCASUS, NORTHERN—CHALCOPYRITE

Characteristics of the formation of and criteria for prospecting for copper pyrite deposits in the Northern Caucasus. N.S.Skripchenko. Zakonom razm.polezn. iskop 7:219-231 '64

CAUCASUS, NORTHERN—CLIMATE

Aridity radiation index and the landforms of the northeastern Caucasus A E. Fedina, V P Chernovol Vest Mosk.un.Ser 5: Geog. 19 no.3:58-62 My-Je '64.

CAUCASUS, NORTHERN—GAS, NATURAL—GEOLOGY

Formation of oil and gas accumulations in the Mesozoic carbonaceous sediments of eastern Ciscaucasia. M.S. Burshtar. Trudy VNIGNI no.38 17-26 '63.

CAUCASUS, NORTHERN—GEOLOGY, STRATIGRAPHIC

New data on the Lower Jurassic of Ciscaucasia. I.G Sazonova. Trudy VNIGNI no.38 164-169 '63

Stratigraphy of Upper Cretaceous sediments in Ciscaucasia. A.D.Gurova Trudy VNIGNI no.38 27-43 '63.

Triassic sediments of western Ciscaucasia. K.O.Rostovtsev, G.M.Aladatov. Dokl.AN SSSR 156 no.4:930-933 Je '64.

CAUCASUS, NORTHERN—GRAVITY PROSPECTING

Geological effectiveness of gravimetric methods for studying western Ciscaucasia. R.F.Volodarskii, M.R.Pustil'nikov. Sov.geol. 7 no.1:105-112 Ja '64.

CAUCASUS, NORTHERN—HISTORY

Reorganization of the system of colonial dominance in the Northern Caucasus, 1860 - 1870. V.S Gal'tsev Izv.Sev.-Oset nauch -issl inst. 18:127-150 '56.

CAUCASUS, NORTHERN—IRRIGATION

Create an effective economic basis for large-scale irrigation in the steppe zone. I.A.Dzladevich. Gidr.i mel. 16 no.4 49-55 Ap '64.

CAUCASUS, NORTHERN—LANDFORMS

Aridity radiation index and the landforms of the northeastern Caucasus. A.E.Fedina, V.P.Chernovol. Vest.Mosk.un.Ser.5: Geog. 19 no 3:58-62 My-Je '64.

CAUCASUS, NORTHERN—MOTHERS' PENSIONS

Happy mothers. G.Il'nitskaia. Sots.obesp. 25 no.3: 15-16 Mr '64.

CAUCASUS, NORTHERN—MERCURY ORES

Conditions governing the localization of mercury mineralization in the Northern Caucasus. D.V.Abuev. Zakonom.razm.polezn.iskop. 7:367-368 '64.

CAUCASUS, NORTHERN—OIL FIELDS

Conquerors of virgin oil fields. E.Dmitriev. NTO 6 no.3:22-24 Mr '64.

CAUCASUS, NORTHERN—ORE DEPOSITS

Characteristics and spatial distribution of lead and complex metal mineralization in the Northern Caucasus. A.M.Krasnovidova. Zakonom.razm.polezn.iskop. 7:356-358 '64

Middle Jurassic complex metal mineralization in the northwestern Caucasus G.P.Kornev. Zakonom.razm. polezn.iskop. 7:370-371 '64.

[illegible] Zakonom razm.polezn.iskop 7:352 '64.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Conditions governing the formation of the oil pools in the Upper Cretaceous sediments of the Northeastern Caucasus. S.G.Noruchev, I.N.Suvorova Geol. nefti i gaza 8 no.3:37-41 Mr '64.

Formation of oil and gas accumulations in the Mesozoic carbonaceous sediments of eastern Ciscaucasia M S Burshtar. Trudy VNIGNI no.38 17-26 '63

Neftegorsk horizon of the lower Maikop in the northeastern Caucasus in the development of I.M.Gubkin's idea on the stratigraphic position of "the light-oil horizon" K.S.Maslov. Trudy VNIGNI no.40,55-65 '63.

CAUCASUS, NORTHERN—PYRITES

Characteristics of the manifestation of pyrite mineralization in the volcanic formations of the Northern Caucasus. V.I.Buadze. Zakonom.razm.polezn.iskop. 7: 360-362 '64

CAUCASUS, NORTHERN—SOIL CHEMISTRY

Akademiia nauk SSSR. Pochvennyi institut im. V.V. Dokuchaeva. [Agrochemical characteristics of the soils of the U.S.S.R.; regions of the Northern Caucasus] Agrokhimicheskaia kharakteristika pochv SSSR, raiony Severnogo Kavkaza. Moskva, Izd-vo "Nauka," 1964. 304 p.

CAUCASUS, NORTHERN—WATER, UNDERGROUND

Hydrodynamic anomalies in the Pre-Neogene water-bearing complexes of eastern Ciscaucasia. [illegible] Kissin Dokl.AN SSSR 156 no.5 1067-1069 Je '64

CAULIFLOWER

Effect of molybdenum on the nitrogen metabolism of cauliflower E.A Muravin Dokl TSKHA no 84:173-202 '63.

CAULIFLOWER—DISEASES AND PESTS

Symptoms of the effect of molybdenum deficiency in cauliflower E.A.Muravin, A.A.Soshchikin Dokl TSKHA no.84:103-107 '63

CAUSATION

The varied forms of causation. V.G.Ivanov. Uch.zap. kaf.obshchestv.nauk vuz.g Len.; Filos. no.5 144-153 '64.

CAVERNOUS SINUS

Importance of the cavernous sinus in the regulation of cerebral blood circulation [with summary in English] M.A Sresoli, O.P.Bol'shakov. Arkh.anat.,gist.i embr. 43 no.10:13-18 O '62.

CAVES see subdivision under Gumista Valley

CAVITATION

Effect of the relative velocity of a gas bubble in a liquid on its dimensions. Iu N.Kalashnikov. PMTF [illegible] 105-112 My-Je '64.

CELESTIAL MECHANICS see Mechanics, Celestial

CELESTITE see subdivision under Crimea

CELL NUCLEI

Study of the sex chromatin of neutrophil leucocytes by the "skin windows" method [with summary in English] L.F. Milinchuk-Volynskaia. Arkh.anat.,gist.i embr. 44 no.5,75-83 My '63.

CELLS

Basic properties of the parafollicular cells of the thyroid gland [with summary in English]. A.A.Voitkevich. Arkh.anat., gist.i embr. 44 no.5:52-58 My '63.

CELLULOSE

Comparative determination of the absorption capacity of ion exchange celluloses by the static isotope exchange and radiochromatographic methods. E.G Davydova Dokl.TSKHA no.84:340-349 '63.

Effect of heterogeneous hydrolysis on the structure of cellulose. L.Kudlacek, J.Ruzicka. Vysokom.soed 6 no.4:587-593 Ap '64.

Effect of successive additions of reagents and the degree of polymerization of cellulose on the degree of esterification and solubility of carboxymethylcellulose in water M.Z.Finkel'shtein and others. Izv.vys.ucheb.zav.; neft' i gaz 5 no.11:31-34 '62.

Mechanism of the tetravalent cerium salt initiation of the graft copolymerization of cellulose with vinyl monomers. R.M.Livshits and others. Vysokom.soed. 6 no.4: 655-658 Ap '64.

Open cycles in the cellulose molecule V.I.Ivanov G.M.Korneva, L.A.Suchkova Dokl.AN SSSR 156 no.5:1112-1113 Je '64.

Plasticized cellulose. A.I.Kalnin'sh. Vest.AN SSSR 34 no.5:79-85 My '64.

Polymer analog conversions of a graft copolymer of cellulose and polyglycidyl methacrylate. F.F.Shcherbova A.D.Virnik, Z.A.Rogovin. Vysokom.soed. 6 no.5 951-956 My '64.

structure of cellulose treated with phosphotungstic acid. E.M.Belavtseva, IU.M.Petrov, D IA.TSvankin Vysokom.soed. 6 no.4;684-690 Ap '61.

Study of the internal structure of cellulose based on argon sorption isotherms. J.Ruzicka, L.Kudlacek Vysokom.soed. 6 no.4:577-586 Ap '64.

Studying the kinetics of the sorption of inorganic ions on the base of ion exchange celluloses by the method of radioactive indicators. E G Davidova, V V Rachinskii Dokl. TSKHA no 84;350-355 '63

CELLULOSE—OPTICAL PROPERTIES

Photoelastic effect in swollen polymers. Part 4 Cyanoethylacetyl cellulose. V.N.TSvetkov, A.E. Grishchenko, P.A.Slavetskaia. Vysokom soed. 6 no.5:856-861 My '61.

CELLULOSE—THERAPEUTIC USE

Synthesis of iodinated cellulose derivatives and experimental checking of the products obtained for possible use in surgical practice [with summary in English] A A Lopatenok and others Eksp khir.i anest 8 no 5.21-28 S-O '63

CELLULOSE, EFFECT OF RADIATION ON

Effect of ultraviolet radiation on cellulose. O.B. Zapol'skii. Dokl.AN BSSR 8 no. 4.234-236 Ap '64.

CELLULOSE ETHERS

Experimental study of carboxymethylcellulose. I.Z. Kliavzunik and others. Vestsi AN BSSR.Ser.bital.nav. no.1:133-134 '64.

CEMENT

Characteristics of building products made of phosphoanhydrite cement. V.I.Berezovskii, R I.Kantor, M.A. Matusevich. Strol.mat. 10 no 2;30-32 F '64.

CEMENT—PERMEABILITY

Relation between the strength and permeability of hardened cement. A.IA.Lipovetskii, V.S.Danlushevskii, Chzhao Pin-khuan [Chao P'ing-Huang]. Trudy MINKHGP 46 75-83 '64.

CEMENT—TESTING
(see also subdivision under Amvrosiyevka region, Donetsk Province)

Effect of the phase composition of cement stone on its mechanical strength. V.A.Tikhonov, Z.G.Klimenko, O.A.Shrotiuk. Dokl.LPI 5 no.1/2;156-160 '63.

Physicomechanical properties of glass reinforced cement. IU.L.Biriukovich, K.L.Biriukovich. Izv.vys.ucheb. zav., stroi.i arkhit. 6 no.7 104-111 '63.

CEMENT CLINKERS

Some studies of the kilning process of clinkers in shaft furnaces operating on natural gas. IU.I.Deshko. Sbor. po obm.opyt.v tsem.prom. no.1·75-82 '60.

CEMENT CLINKERS—COOLING

Intensive cooling of cement clinker in a fluidized bed and a suggestion for a new type cooler. D.IA.Mazurov. Sbor.po.obm.opyt.v tsem.prom. no.2;48-62 '60.

CEMENT INDUSTRIES see subdivision under Amvrosiyevka region (Donetsk Province); Volgograd Province

CEMENT KILNS
(see also subdivision under Volkovysk, Grodno Province)

Calculation of single-channel gas burners of rotary kilns. G.E.Leifman. Sbor.po.obm.opyt.v tsem.prom. no.1: 44-47 '60.

High-duty rotary kilns of domestic production. I.D. Gorbachevich. Sbor.po.obm.opyt.v tsem.prom. no.3:17-21 '60.

New method of feeding rotary kilns with slurry. N.A. Molliashev. Sbor.po.obm.opyt.v tsem.prom. no.1: 10-15 '60.

CEMENT PLANTS—ELECTRIC EQUIPMENT

Modernization of ⌀ 2,6 X 13m and 2,3 X 13m operating cement mills converted to work on a closed circuit. IU.Deshko, M.B.Kreimer. Sbor.po obm.opyt.v tsem. prom. no.2,3-11 '60

Using dust collected by electrostatic filters from rotary kiln blue gases. D.P.Palivoda. Sbor.po.obm.opyt.v tsem.prom. no.1 16-20 '60.

CEMENT PLANTS—EQUIPMENT AND SUPPLIES
(see also subdivision under Sterlitamak)

Dispersers for wet fuel oil. A.S.Kalashnikov, D.P. Palivoda, N.V.Pershin. Sbor.po.obm.opyt.v tsem. prom. no.1;56-60 '60.

Introduction of slag slurry concentrators into the cement industry. V.I.Gugin, M.B.Kreimer. Sbor.po.obm. opyt.v tsem.prom. no.1:3-10 '60.

Mechanism for preparing standard solutions. Z.Lobak. Sbor.po.obm.opyt.v tsem.prom. no.2;39-41 '60.

CENTAUREA

Measures for chemical control of the Acroptilon picris. K.A.Abramova. Dokl.TSKHA no 84;322-326 '63.

CENTRAL ASIA see Asia, Central

CENTRAL CHERNOZEM ECONOMIC REGION—INDUSTRIAL MANAGEMENT

Consolidation of the regional economic council and the departments of labor in enterprises. A.Chernysh. Sots.trud 9 no.5;50-54 My '64.

TION STANDARDS

Consolidation of the regional economic council and the departments of labor in enterprises. A.Chernysh. Sots.trud 9 no.5,50-54 My '64.

CENTRAL CHERNOZEM REGION—SEEPAGE

Controlling water seepage from bodies of water in the Central Chernozem Region. V.A Serdobov. Trudy VNIIGIM 42;45-51 '63

CENTRAL EUROPE—ATOMIC WEAPONS—INTERNATIONAL CONTROL

Broad response from the whole world R.Badovskii Mezhdunar.zhizn' 11 no 6 105-106 Je '64.

The Gomulka Plan Zygmunt Szymanski Nov vrem 21 no 13 4-5 Mr '61

CENTRIFUGAL FORCE

Preliminary results of the study of the flow of fluids in a field of centrifugal forces. IU.V.Kvitkovskii. Trudy MIIT no.176,64-75 '63

CENTRIFUGAL PUMPS

Half expanded form of the basic equation for the manometric head of a sinking centrifugal electric pump. A.M.Pogorel'skii, R.V Babaev. Izv.vys.ucheb.zav., neft' i gaz 7 no.3,75-78 '64.

Improved hydraulic systems for the double end packing of centrifugal pumps. E.A.Buchacher and others. Mash.i neft.obor. no.4 7-10 '64.

CENTRIFUGAL PUMPS—ELECTRIC DRIVING

Selecting the controlled electric drive of centrifugal pumps. A S Sandler, L IA Shapiro Gaz prom 7 no 2 48-49 '62

CENTRIFUGES

Centrifugation of the third product massecuite on high-speed centrifuges N T Tombaev, IU.N.Kuz'min Sakh.prom. 38 no 4 59-60 Ap '64

Determining optimum distance of the nozzles of a reaction centrifuge from the axis of rotation I.D.Gebel' Avt.prom. 30 no.3 22-24 Mr '64.

Operation of the UTsM centrifuge. P.P.Churilov, IU.I Riabov. Ugol' Ukr. 8 no.1:49-50 Ja '64.

CEPHEIDS

New elements of two short-period Cepheids G A Lange Astron.tsir no.238 1 Ap '63

CERAMIC INDUSTRIES

Converting a brick factory to the manufacturing of acid-proof articles. S.A.Chernozubov. Stroi.mat. 10 no.3:14-15 Mr '64.

CERAMIC INDUSTRIES—SAFETY MEASURES

Petrova, A.N. [Safety manual for setters and selectors of ceramic and porcelain wares] Pamiatka po tekhnike bezopasnosti dlia stavil'shchika i vyborshchika keramicheskikh i farforofaiansovykh izdelii. Moskva, Gosstroiizdat, 1963. 15 p (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

CERAMIC METALS

Manufacturing cermet piston rings. G.S.Proniakov, N.V.Nikitina. Vest mashinostr. 44 no.5 42-45 My '64.

CERAMIC METALS—TESTING

Oxidation of tungsten-rhenium alloys. R.F.Voitovich, V.A.Lavrenko. Metalloved.i term.obr.met. no.4: 50-51 Ap '64.

CERAMICS

Facing ceramics are on the agenda. Stroi.mat. 10 no.2;32-33 F '64.

CEREAL PRODUCTS—DRYING

Vortex drying of groats in the production of food concentrates. M.A.Grishin, V.K.Kossek. Kons.i ov.prom. 19 no.4;12-14 Ap '64.

CEREAL PRODUCTS—STANDARDS

[Groats, groat products and concentrates] Krupa, krupianye produkty i kontsentraty. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 94 p. (SSSR, Gosudarstvennye standarty)

CEREBELLUM

Paths connecting the cerebellum with the neocortex. G.L.Bekaia, E.S.Moniava. Trudy Inst.fiziol.AN Gruz SSR 13;95-101 '63.

Projection of the cerebellum to the paleocortex. G.L. Bekaia, E.S.Moniava. Trudy Inst.fiziol.AN Gruz.SSR 13;89-94 '63.

Reticular facilitation of responses of the cerebral and cerebellar cortices. S.P.Narikashvili, E.S.Moniava. Trudy Inst.fiziol.AN Gruz.SSR 13;35-48 '63.

CEREBELLUM—DISEASES

Craniographic diagnosis of diseases of the cerebellopontile angle. B.N.Pil', V.N.Gusakova. Trudy Gos nauch -issl.psikhonevr.inst. 31;129-143 '63.

CEREBELLUM—TUMORS

Role of some brain stem formations in the pathogenesis of cerebellar disturbances P.M.Saradzhishvili, K V Liubarskaia. Soob.AN Gruz SSR 30 no 3·361-366 Mr '63.

CEREBELLUM—WOUNDS AND INJURIES

Effect of cerebellum injury on the peripheral blood of irradiated rats. L.S.Gezalian, L.A.Gasparian. Vop. radiobiol.[AN Arm.SSR] 3/4:151-157 '63.

Characteristics of the morphological reactions of the cerebral cortex A L Mikeladze Soob AN Gruz SSR 30 no 3 335-342 Mr '63

Comparative chemical architectonic of functional protein groups of cortical nuclei of the cutaneous and motor analysors in cats L.M.Gershtein. Zhur.vys nerv. deiat. 14 no.2,346-350 Mr-Ap '64

Correlation analysis in the study of the electrical activity of the cerebral cortex. N.N.Danilova. Zhur.vys. nerv.deiat. 14 no.1 9-22 Ja-F '64.

Correlations of the bioelectrical activity of separate parts of the human cerebral cortex under condition of relative rest. N.A.Gavrilova and others. Zhur.vys. nerv.deiat. 14 no.1 3-8 Ja-F '64.

Correlations of various parts of the human cerebral cortex during intellectual work. M.N Livanov, N A. Gavrilova, A.S Aslanov. Zhur.vys nerv.deiat 14 no.2 185-194 Mr-Ap '64.

Cortical regulation of the blood in water deficiency. A.IU.IUnusov, Z.T.Tursunov. Trudy Inst.kraev. eksper.med. no.5 37-40 '63.

Effect of a single introduction of radioactive sodium-24 into the body on the higher nervous activity in dogs. B.I.Shal'nev. Zhur.vys.nerv.deiat. 14 no.1:61-67 Ja-F '61.

Effect of decortication and X rays on the phagocytic activity of leucocytes in rabbits. M.I.Alaverdian and others. Vop.radiobiol.[AN Arm.SSR] 3/4 47-52 '63.

Emotional reactions of a cat evoked by stimulation of the gyrus cinguli. M.A Nutsubidze Trudy Inst fiziol.AN Gruz.SSR 13;103-111 '63

Evoked responses of the cerebral cortex regenerated after extirpation. N.N.Dzidzishvili Trudy Inst. fiziol.AN Gruz.SSR 13;49-60 '63.

Individual variation factors in cerebral biocurrent reactions of rhythmical light stimuli V D. Nebylitsyn. Zhur.vys.nerv.deiat. 14 no.2 195-203 Mr-Ap '64.

Interaction of the cerebral cortex and the mesencephalic reticular system in the compensation of locomotor functions. N.N.Dzidzishvili, S.M.Butkhuzi. Trudy Inst. fiziol.AN Gruz.SSR 13;69-76 '63

Interrelationship between cerebellar and peripheral impulses entering the sensorimotor portion of the cerebral cortex. V.V Fanardzhian, R I Pogosian Dokl AN Arm.SSR 38 no 3·189-192 '64.

Myelinization of the cortex of the supratemporal surface of the human gyrus temporalis superior during postnatal ontogenesis O S Sirotina Arkh anat ,gist.i embr 44 no 4 73-80 Ap '63

Origin of generalized epileptiform discharges in the cerebral cortex. N.IU.Belenkov, V.D.Chirkov. Zhur. vys.nerv.deiat. 14 no.1 68-76 Ja-F '64.

Paths connecting the cerebellum with the neocortex. G.L.Bekaia, E.S.Moniava. Trudy Inst.fiziol.AN Gruz. SSR 13;95-101 '63.

Pathways of conducting primary specific information in the visual analysor system. N.N.Liubimov. Zhur. vys.nerv.deiat. 14 no.2 287-295 Mr-Ap '64.

Physiological analysis of the "predisposition to convulsions". S.A.Dolina. Zhur.nevr.i psikh. 63 no.6: 867-873 '63.

Projection of the cerebellum to the paleocortex. G.L. Bekaia, E.S.Moniava. Trudy Inst fiziol.AN Gruz.SSR 13;89-94 '63.

Representation of the visual analysor in the cerebral cortex. V G.Skrebitskii, E.G.Shkol'nik-IArros. Zhur.vys nerv.deiat. 14 no.2 277-286 Mr-Ap '64.

Reticular facilitation of responses of the cerebral and cerebellar cortices. S P.Narikashvili, E.S.Moniava. Trudy Inst.fiziol.AN Gruz.SSR 13;35-48 '63.

Role of the hippocampus in higher nervous activity. M.A.Nutsubidze. Zhur.vys.nerv.deiat. 14 no.1: 172-179 Ja-F '64.

Some data on the relationship between slow and impulse activity of the paleocortex in the lizard. L.G.Voronin, K.G.Gusel'nikova, V.I.Gusel'nikov. Zhur.vys.nerv. deiat. 14 no.2 326-336 Mr-Ap '64

CEREBRAL CORTEX—BLOOD SUPPLY

Nervous mechanism of the nutritive reactions of pial arteries supplying blood to the cortex of cerebral hemispheres. G.I Mchedlishvili, L.S.Nikolaishvili. Dokl.AN SSSR 156 no.4;968-971 Je '64.

CEREBROSPINAL FLUID

Amount of cerebrospinal fluid in rabbits. S.A.IAromenka, V.B.IAromenka. Vestsi AN BSSR.Ser.bital.nav. no.1: 97-100 '64.

Cerebrospinal fluid changes and myelographic data in patients with varices of the spinal cord. N.I.Annenkov. Zhur.nevr.i psikh. 63 no.6;859-861 '63.

Effect of pneumoencephalography on the content of ascorbic acid in the cerebrospinal fluid S.A.Gromov. Trudy Gos.nauch.-issl.psikhonevr inst 31;271-275 '63.

Effect of subarachnoidal introduction of oxygen on the content of ascorbic acid in the liquor. S.A Gromov, R.A.Lisovskaia. Trudy Gos.nauch.-issl.psikhonevr. inst. 31:267-270 '63.

Examination of cerebrospinal fluid in schizophrenic patients; review of literature. E.V.Mikheeva. Zhur. nevr.i psikh. 63 no.6;920-930 '63.

Humoral mechanisms of reactions caused by the introduction of carbocholine into cerebrospinal fluid. G N Kasill' and others Dokl AN SSSR 156 no.4,964-967 Je '61.

Relationship between the arterial and cerebrospinal fluid pressures in insultus. V K Kamenetskii. Zhur.nevr.i psikh. 63 no 6·862-966 '63

Relationship between the venous, cerebrospinal and arterial pressures in closed brain injuries in the acute phase V M Mukhin, G V Anisimova Zhur nevr i psikh. 63 no.6,853-858 '63.

CEREBROVASCULAR DISEASE

Changes in hemodynamics and some indices of basal metabolism in the cerebral form of hypertension G M Isarade Kardiologiia 3 no 6 27-31 N-D '63

Clinical variants of ischemic insult. A.B.Mutalimova. Dokl.AN Azerb.SSR 19 no.10;73-77 '63.

Materials on contrast X-ray diagnosis of cerebrovascular diseases M. D Gal'perin Trudy Gos nauch -issl psikhonevr. inst 31·285-296 '63

CERIUM

Coprecipitation of Ce with K_2SO_4 crystals. Part 3 Interaction of Ce^{3+} with the surface of K_2SO_4 crystals. I. V. Melikhov, E.K.Kirkova. Radiokhimiia 6 no. 1:5-11 '64.

Coprecipitation of cerium with K_2SO_4 crystals. Part 4: Coprecipitation of Ce during K_2SO_4 crystallization from a neutral solution. I.V Melikhov, S.G.Babaian. Radiokhimiia 6 no.2,153-165 '64

Coprecipitation of Ce with K_2SO_4 crystals. Part 5: Behavior of Ce during the recrystallization of a K_2SO_4 precipitate in a saturated aqueous solution of macrocomponents. I.V Melikhov, E K.Kirkova, M.S.Merkulova Radiokhimiia 6 no.2:165-172 '64.

CERIUM ISOTOPES

Isolation of radioactive carrier-free cerium from a mixture of fission products N. E. Brezhneva and others. Radiokhimiia 6 no 1 66-72 '64.

CERIUM SALTS

Mechanism of the tetravalent cerium salt initiation of the graft copolymerization of cellulose with vinyl monomers. R M.Livshits and others Vysokom.soed. 6 no.4: 655-658 Ap '64

CESAREAN SECTION

Dynamics of fertility after cesarean section. I. Gergely, D. Neibauer. Akush.i gin. no 1 89-93 '63.

Secondary cesarean section and laparotomy in women with a previous history of cesarean section. T. M. Gurovskaia. Akush.i gin. no. 1:85-88 '63.

CESTODA

(see also subdivision under Armenia)

Electron microscopic study of calcareous corpuscules of the plerocercoid and semimature stage of Schistocephalus pungitii. V. A. Timofeev. Dokl. AN SSSR 156 no.5: 1244-1247 Je '64.

Methods of taking samples of feces and helminthoscopy for the purpose of the diagnosis of intestinal cestodiases in sheep. P. P. Vibe. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:109-111 Ap '64.

Testing calcium arsenate and copper carbonate in hymenolepiases of ducks. F.S.Sarymsakov. Uzb.biol. zhur. 7 no.6:40-43 '63.

CETACEA

Akademiia nauk SSSR. Institut morfologii zhivotnykh. [Morphological characteristics of aquatic mammals] Morfologicheskie osobennosti vodnykh mlekopitaiushchikh. Moskva, Izd-vo "Nauka," 1964. 126 p.

CEYLON—COMMUNIST PARTY

Unity demonstration of the Ceylon proletariat. V Nikitin. Sov profsoiuzy 20 no 11 38-39 Je '64.

CEYLON—TRADE UNIONS

Unity demonstration of the Ceylon proletariat V Nikitin Sov profsoiuzy 20 no 11 38-39 Je '64

CHAIKOVSKII, PETR IL'ICH, 1840-1893—MUSEUMS, RELICS, ETC.

Votkinsk. Dom-muzei P. I. Chaikovskogo. [Guide to the P. I. Chaikovskii Residence-Museum in Votkinsk] Dom-muzei P. I. Chaikovskogo v Votkinske; putevoditel'. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1962. 55 p.

CHAIRS

(see also subdivision under Cherkassy; Kiev Economic region)

Compressing the taboret seats made of wood waste. V. S. Panevin. Bum.i der.prom. no. 1·38-39 Ja-Mr '64.

Four-spindle woodmilling machine for the manufacture of chairs. L. V. Sliusarchuk. Bum.i der.prom. no.1. 15-16 Ja-Mr '64.

Semiautomatic machine for processing chair parts. G. A. Rutman. Bum.i der.prom. no. 1.11-12 Ja-Mr '64.

CHALCOPYRITE see subdivision under Caucasus, Northern

CHKALOV see Orenburg

CHKALOV PROVINCE see Orenburg Province

CHALAATY GLACIER—RUNOFF

Regime of the Chalaati glacial river in the summer of 1960. R.G.Shengeliia, M V Chidzhavadze. Trudy Inst. geog. AN Gruz. SSR. 18 252-253 '63

CHALAATY GLACIER—THAWING

Regime of the Chalaati glacial river in the summer of 1960. R. G. Shengeliia, M. V. Chidzhavadze. Trudy Inst. geog. AN Gruz. SSR 18 252-253 '63

CHALCONE

Synthesis of chalcones on the basis of β-chlorovinyl ketones. V.F.Beliaev. Zhur.ob.khim. 34 no.3: 861-864 Mr '64.

CHARNOKITES

International Geological Congress, 22d, 1964. [Charnokites] Charnokity. Moskva, Izd-vo "Nauka," 1964. 86 p. (Its Doklady sovetskikh geologov. Problema 13)

CHARNOVSKII, KAZIMIR GAVRILOVICH, 1791-1847

Life and work of Kazimir Charnovskii, an early Russian inventor of submarine boats. G.A.Grechkin. Uch.zap. Velikoluk.gos.ped.inst. no.22;60-71 '63.

CHEBOKSARY—AERONAUTICAL SOCIETIES

The council of a club. IU.Koz'iakov, G.Novikov. Kryl. rod. 15 no.6;14-15 Je '64.

CHEBYSHEV POLYNOMIALS

Approximation of spectral characteristics by means of Chebyshev polynomials. A.M.TSirlin. Trudy MIKHM 25;128-137 '63.

Generalization of Chebyshev polynomials. M M. Dzhrhashien, A. A. Kitbalian. Dokl. AN Arm. SSR 38 no. 5·263-270 '64

CHECHEN-INGUSH A. S. S. R. —HISTORY

Creation and development of the Soviet Chechen-Ingush national governmental system. A. Kh. Dudaev. Sov. gos. i pravo 34 no. 6;117-122 Je '64.

CHECHEN-INGUSH A. S. S. R. —POLITICS AND GOVERNMENT

Creation and development of the Soviet Chechen-Ingush national governmental system. A. Kh. Dudaev. Sov. gos. i pravo 34 no. 6;117-122 Je '64.

CHECHEN-INGUSH A. S. S. R. —STATISTICS

Chechen-Ingush A. S. S. R. Statisticheskoe upravlenie. [National economy of the Chechen-Ingush A. S. S. R.; statistical abstract] Narodnoe khoziaistvo Checheno-Ingushskoi ASSR; statisticheskii sbornik. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1963. 352 p.

CHEESE FACTORIES—EQUIPMENT AND SUPPLIES

Continuous multisectional cottage-cheese producers. V.Spiridonov, A.F.Surkov, G.Dobriakova. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform 17 no.2;58-60 '64.

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Chekhov, M.P. [Around Chekhov; encounters and impressions] Vokrug Chekhova; vstrechi i vpechatleniia. [Moskva] Mosk. rabochii, 1964. 367 p.

CHEKHOV, MIKHAIL PAVLOVICH, 1865-1936

Chekhov, M.P. [Around Chekhov; encounters and impressions] Vokrug Chekhova; vstrechi i vpechatleniia. [Moskva] Mosk. rabochii, 1964. 367 p.

CHELATES—SPECTRA

Electron paramagnetic resonance spectra of optically active chelate compounds of copper with oxyaldimines and oxyketimines. A. P. Terent'ev and others. Dokl. AN SSSR 156 no. 5:1174-1177 Je '64

CHELYABINSK—EDUCATION, COOPERATIVE

Combining instruction with production work. N. A. Tomin. Shkola i proizv. 8 no. 6,9-11 Je '64.

CHELYABINSK—PIPE MILLS

Everything continues in the old way. F Kozyrev, I. Mitin. Part zhizn' no 11 76-78 Je '64.

CHEMICAL APPARATUS

Borozdenkov, V.I. [Vacuum pumps in the chemical industry] Vakuum-nasosy v khimicheskoi promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964. 98 p.

Generation of a high temperature in the resonator of a paramagnetic resonance spectrometer. A. M. Chaikin. Prib. i tekh. eksp. 8 no 6 178-179 N-D '63.

Reconstruction of an isotopic mass spectrometer to make it suitable for chemical investigations. IU. IA Efremov, T. A. Bikbulatov, B. IA. Teitel'baum. Prib. i tekh. eksp. 8 no. 6:180-181 N-D '63.

CHEMICAL APPARATUS—DYNAMICS

Dynamic characteristics and automatic control of apparatus for ammonia synthesis. A.V.Korchinskii. Trudy MIKHM 25;66-70 '63.

Aqueous alkali cleavage of 1, 5-diammonium salts containing a multiple bond in the 2, 3-position of the common group A T Babaian, K TS Takmazian, E S Enanian. Dokl. An Arm. SSR 38 no. 3·157-162 '64

Effect of chemical bonding on the $K_{\alpha_{1,2}}$-doublet in Co and Ni. A. Maizel'. Izv. AN SSSR. Ser. fiz. 28 no.5. 811-815 My '64.

Effect of polar factors in the polyrecombination reaction S L. Sosin, V. V. Kotshak, V. A. Vasnev. Dokl. AN SSSR 156 no. 5 1124-1126 Je '64.

Effect of screening and value of the overlap of d-orbitals on some properties of equiatomic oxides and carbides of Ti, V, and Nb. V.A.TSkhai, P.V.Gel'd. Zhur. strukt.khim. 5 no.2;275-280 Mr-Ap '64.

Multiplet theory of catalysis. Energy factors in catalysis A A Balandin Usp khim 33 no 5,549-579 My '64

Nature of the Re-O bond in K ReO (CN). M. E. Diatkina, IU.N.Mikhailov. Zhur.strukt.khim. 5 no.2;325 Mr-Ap '64.

Reactivity of cyclohexyl and heptyl free radicals in the reaction with C sec. - T bond of some hydrocarbons in the liquid phase (effect of conjugation). I.V.Berezin, Karel Martinek. Zhur.fiz.khim. 38 no.4:998-1000 Ap '64.

CHEMICAL ELEMENTS

Geometric system of electronegativities. S.S.Batsanov. Zhur.strukt.khim. 5 no.2;293-301 Mr-Ap '64.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref.zhur : Khim.i khol.mashinostr. no.6 Je '64.

"Processes and apparatus of chemical technology" by A. N. Planovskii, V. M. Ramm, S. Z. Kagan. Reviewed by V. I. Matrozov. Khim.prom. no. 10:704-795 O '63.

CHEMICAL ENGINEERING LABORATORIES

How a laboratory has been created. H. I Tropashko Sred. spets obr. 11 no 4 21-22 Ap '64

CHEMICAL EQUILIBRIUM

Determination of chemical equilibrium by the differential thermocouple method. A.A.Balandin and others. Zhur. fiz.khim. 36 no.9;1952-1957 S '62.

CHEMICAL GENETICS

Cipens, Gunars. [Chemical foundations of heredity and mutation] Iedzimtibas un mainibas kimiskie pamati. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 108 p. [In Latvian]

CHEMICAL INDUSTRIES

(see also subdivision under Armenia; Azerbaijan; Crimea; Dneprodzerzhinsk; Europe, Eastern; Germany, East; Italy; Leningrad Economic region; Ufa; Ukraine, Ust'-Labinsk District)

Application of mathematical methods in schedule planning of chemical plant operations. N. N. Cherelskaia, M E. Tarasova. Khim.prom. no. 10;726-731 O '63.

Chemistry is the basis for technological progress. Izv. AN Uz. SSR, Ser. tekh. nauk 8 no. 1:5-8 '64.

Contribution of chemistry to the national economy. NTO 6 no. 3:16-17 Mr '64.

Contribution of communication workers to the operation of major chemical complexes M I Morgunov Vest sviazi 24 no. 5;22-23 My '64

Decision of historical importance. M. I. Garbar. Plast. massy no. 1:1-2 '64

The decisions of the Communist Party must be put into practice. Sov.bibl. no.1;3-7 '64.

Great chemical industry and great petroleum industry. N. Baibakov. NTO 5 no. 9:4-7 S '63

Introducing synthetic products instead of food produce. R. D. Matevosov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5.20-22 My '64.

Large scale chemistry and objectives of the power machinery industry workers. Energomashinostroenie 10 no. 2;1-2 F '64.

Make books on chemistry available. L.Komarova. Bibliotekar' no.6;13-14 Je '64.

Methods of establishing norms for the working capital of chemical industry enterprises. B. Mitel'man. Fin SSSR 38 no. 5:74-79 My '64

Pavlov, A. V., and V. V. Shkvarko. [At the fighting front of chemistry] Na udarnom khimicheskom fronte. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 12)

Plan, initiative, life. A. Slepov. NTO 6 no. 3:36-37 Mr '64.

Potentials for speeding up the development of the chemical industry. A. Kudriavtsev. Plan khoz. 41 no. 6 11-21 Je '64

Speed up the development of chemical industries. Khim. prom. [Ukr.] no. 4;84-87 O-D '63.

Strides of the "big" chemistry. Tekst. prom. 24 no. 4: 1-9 Ap '64.

Union of radio-electronics and chemistry. G. Katanskii Radio no. 5;6-7 My '64.

CHEMICAL INDUSTRIES—FINANCE
(see also subdivision under Moskva, Moscow Province; [illegible] territory)

[illegible]

CHEMICAL INDUSTRIES—LABOR PRODUCTIVITY

[illegible]

CHEMICAL INDUSTRIES—PRODUCTION STANDARDS

[illegible]

[illegible]

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Moscow)

[illegible]

[illegible]

CHEMICAL KINETICS see Chemical reaction, Rate of

CHEMICAL LABORATORIES see subdivision under [illegible]

CHEMICAL MACHINERY
(see also subdivisions under Kiev, [illegible])

[illegible]

CHEMICAL MODELS

[illegible]

[illegible]

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

[illegible]

[illegible]

[illegible]

[illegible]

CHEMICAL PLANTS—[illegible]

[illegible]

CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

[illegible] 1964. 383 p. [illegible]

CHEMICAL PLANTS—SAFETY REGULATIONS

[illegible]

CHEMICAL REACTION, RATE OF

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (of conjugation) I.V. Berezin, [illegible] Zhur.fiz.khim. 38 no.4:998-1000 Ap '64.

[illegible]

[illegible]

[illegible]

CHEMICAL REACTIONS

[illegible]

[illegible]

[illegible]

CHEMICAL REACTORS

[illegible]

CHEMICAL REACTORS—FLUID DYNAMICS

[illegible]

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL RESEARCH

[illegible]

[illegible]

CHEMICAL STRUCTURE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CHEMICAL TESTS AND REAGENTS

[illegible]

CHEMICAL WARFARE—SAFETY MEASURES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CHEMICAL WORKERS

[illegible]

CHEMICAL WORKERS—EDUCATION AND TRAINING
(see also subdivision under [illegible]; Tula Province)

[illegible]

CHEMICALS INDUSTRY

Possibility of the utilization of shale gas for the production of chemicals. [illegible]

CHEMISTRY

[illegible] of the Central Committee of the CPSU [illegible] at Moscow University. [illegible] Vest. Mosk. un. Ser. 2: Khim. 19 no.1:3-10 Ja-F '64.

CHEMISTRY—ABSTRACTS

[Chemistry] Ref.zhur.: Khim. Formul'nyi ukazatel' za 1961 g.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—LABORATORY MANUALS

Hodrejarv, H., and others. [Laboratory work in general chemistry] Praktilised tööd üldises keemias. Tallinn, Tallinna Polütehniline Instituut, 1963. 153 p. [In Estonian]

Lovant, G.E., and G.A. Rattsyn. [Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd. 3, ispr. i dop. Pod red. I.N. Putilovoi. Moskva, Vysshaia shkola, 1963. 370 p.

[illegible], V.I. [Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd. 5, ispr. i dop. Moskva, Izd-vo "Khimiia," 1964. 383 p.

CHEMISTRY—MANIPULATION

In the kitchen of chemistry. [illegible] [illegible] no.6:39-40 '64.

CHEMISTRY, ANALYTICAL

Gorshkov, V.S., and V.V. Timashev. [Methods of physicochemical analysis of binding materials] Metody fiziko-khimicheskogo analiza viazhushchikh veshchestv. Moskva, Vysshaia shkola, 1963. 286 p.

Konkin, V.D., and V.I. Zhikhareva. [Complexometric analysis] Kompleksometricheskii analiz. Izd. 2., perer. i dop. Kiev, "Tekhnika," 1964. 356 p.

Methodology for determining [illegible]. A.A. Krylov, [illegible] [illegible] no.4:105-108 '64.

[illegible] of [illegible] methods of analysis. [illegible] Vest.Mosk.un. [illegible] 19 no.1:[illegible] Ja-F '64.

CHEMISTRY, FORENSIC

[illegible] method for toxicological analysis [illegible] V.I. [illegible] [illegible] 14 no.4:[illegible]

CHEMISTRY, INORGANIC—LABORATORY MANUALS

Deviatykh, G.G., and others. [Manual of laboratory work in inorganic chemistry] Rukovodstvo k prakticheskim zaniatiiam po neorganicheskoi khimii. Izd.2., ispr. i dop. Pod red. G.G. Deviatykh. Moskva, Vysshaia shkola, 1964. 282 p.

CHEMISTRY, METALLURGIC

Moldavskii, O.D. [Role of silicon and aluminum in reducing the harmful effect of phosphorus on the quality of steel] Rol' kremniia i aliuminiia v oslablenii vrednogo vliianiia fosfora na kachestvo stali. Moskva, Izd-vo "Metallurgiia," 1964. 87 p.

CHEMISTRY, ORGANIC

[illegible] catalysis in organic chemistry. [illegible] Usp. khim. [illegible] 30 no.3:[illegible] '64.

CHEMISTRY, ORGANIC—LABORATORY MANUALS

Metanovskaia, Z.F. [Laboratory manual in organic chemistry] Rukovodstvo k laboratornym zaniatiiam po organicheskoi khimii. Moskva, Vysshaia shkola, 1964. 63 p.

CHEMISTRY, ORGANIC—SYNTHESIS

Kolpakov, A.I. [Metals in organic molecules] Metally v organicheskikh molekulakh. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia Khimiia, no.4)

Reactions of diene synthesis involving esters of [illegible] and [illegible] acid. A.N. Pudovik, R.G. Kuzovlova. Zhur.ob.khim. 34 no.3:[illegible] Mr '64.

Use of insoluble anodes in the electrosynthesis of organic compounds. M.IA. Fioshin, L.I. Kazakova. Khim. prom. no.10:760-762 O '63.

CHEMISTRY, PHYSICAL AND THEORETICAL

Application of the methods of comparative calculation for making the approximations of the type $f(C_1, C_2, \ldots)$ [illegible] more accurate. Part 1: Corrections of Trouton's rule. M.Kh. Karapet'iants, E.I. Beev. Zhur.fiz.khim. 38 no.4:1004-1020 Ap '64.

"Physical chemistry" by O.D. Kurilenko. Reviewed by [illegible]. Ukr.khim.zhur. 30 no.1:112-113 '64.

Relation between diffusion and short-range order in a liquid. O.M. Panchenkov, V.V. Erchenkov. Vest. Mosk.un.Ser.2: Khim. 19 no.1:20-28 Ja-F '64.

Solov'ev, IU.I. [Outline history of physical chemistry] Ocherki po istorii fizicheskoi khimii. Moskva, Izd-vo "Nauka," 1964. 341 p.

[illegible] of the compounds of uranyl nitrate with tri[illegible] ammonium nitrate. V.M. V[illegible], M.G. Kuzina, A.A. Lipovskii. Radiokhimiia 6 no.1:121-123 '64.

Finding of break points on a curve. V A Mikhailov, A N Kuglosec . Zhur fiz khim. 36 no 9:2035-2037 S '62.

CHEMISTRY, TECHNICAL

All-Union conference of the coke industry chemists. Koks i khim no.4 54-56 '64

Brief news Khim.prom. no.10 793-794 O '63.

Chemistry and the petroleum industry N K Baibakov Neftepei i neftekhim no 1 3-7 '64

Objectives of the introduction of achievements of chemistry into the machinery industry A.M.Kogan. Vest. mashinostr 44 no 5 3-7 My '64.

Tale about good magicians and powerful giants R Rozen Sem'ia i shkola 19 no 3 40-42 Mr '64

CHEMISTRY, TECHNICAL—BIBLIOGRAPHY see Bibliography—Chemistry, Technical

CHEMISTS

Stradins, Janis. [People, experiments, ideas, essays on the activity of some famous physicochemists] Cilveki, eksperimenti, idejas, dazu slavenu fizikokimiku darbibas apceres. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 270 p. [In Latvian]

CHEMOTAXIS

Contribution to the methods of investigating the tropisms of subterranean plagiotropic shoots. E.L.Liubarskii. Bot zhur. 49 no.2:240-242 F '64.

CHEMOTHERAPY

Chemotherapy in experimental cancer. Z.N.Karimov, Z.M.Khudaiberdyev. Trudy Inst.kraev.eksper.med. no.5 175-179 '63.

Morphological characteristics of large and giant caverns in pulmonary tuberculosis; resection data. IA.V. Kakitelashvili, M.M.Averbakh. Khirurgiia 39 no.8:11-19 Ag '63.

Use of antibiotics combined with chemotherapeutic agents for the treatment of typhoid carriers V.T Shugailo. Sov.med. 27 no.10 58-62 O '63

CHEREPOVETS (VOLOGDA PROVINCE)—SHIPBUILDING—ACCOUNTING

The journal-voucher accounting system with the use of keyboard calculating machines M Rozenberg Bukhg. uchet 21 no.2 18-23 F '64

CHEREPOVETS (VOLOGDA PROVINCE)—TRANSPORTATION

A voluntary transport detachment A Seleznev Part zhizn' no 10 30-31 My '64

CHERKASSY—CHAIRS

Using a screw-type mechanical press for the compression of bent and glued elements N.S Marakulin Bum.i der.prom no.1 35-36 Ja-Mr '64.

CHERKASSY—SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Work of the Scientific and Technological Society of the Cherkassy Sugar Refinery M K.Stepanova Sakh prom 38 no 4 8-9 Ap '64

CHERKASSY PROVINCE—DRUGSTORES

From work practices of the Cherkassy Province pharmacy personnel I.F.Krutsenko. Farmatsev.zhur. 15 no.5.78-80 '60.

CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877-1963

Aleksandr Aleksandrovich Chernov, obituary. N.N. Kus'kokova. Izv.Komi.fil.Geog.ob-va SSSR no.8: 96-99 '63.

CHERNOVTSY—FURNITURE INDUSTRY

Public Office of Economic Analysis at the Chernovtsy Furniture Combine Z.S Benderskii Der prom 13 no 5 24-26 My '64

CHERNOVTSY PROVINCE see Bukovina

CHERNOZEM SOILS

(see also subdivision under Azerbaijan; Caucasus)

Manure-soil composts in Chernozem soils. K G Mazepin Zemledelie 26 no 2 64-66 F '64

Results of experiments in studying the effect of fertilizers on wheat and green fallow crops in leached Chernozem soils. M.E.Pronin, I.A.Kaliazin. Khim.v sel'.khoz. 2 no.1;3-6 Ja '64.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

"Hertzen and Chernyshevskii" by I.V.Porokh Reviewed by N.M.Pirumova. Vop.ist. 39 no.6;146-148 Je '64.

CHERRY

Structural abnormalities in the cherry flowers in cases of delayed flowering. R.M.Pivovarova. Bot.zhur. 49 no.2;244-247 F '64.

CHERRY—DISEASES AND PESTS

(see also subdivision under Moldavia)

Plant lice (Aphidinea) injurious to cherry plum and cherry. G.Kh. Shaposhnikov. Ent.oboz. 43 no.1 145-151 '64.

Plant lice (Aphidinea) injurious to cherry plum and cherry G.Kh.Shaposhnikov. Ent.oboz. 43 no.1:145-151 '64.

CHESS

Chess IA Makievskii, A Dikusarov Sov voin 46 no 7 44 Ap '64

CHESS—TOURNAMENTS see subdivision under Netherlands

CHESS PROBLEMS

Chess I.A Kan. Voen.vest. 43 no.5,127-128 My '64.

Chess. I.A.Kan. Voen.vest. 44 no.6;127-128 Je '64.

Gerbstman, A.O. [Selected chess problems] Izbrannye shakhmatnye etiudy. Moskva, Fizkul'tura i sport, 1964. 199 p.

CHEST—RADIOGRAPHY

Two cases of tumors of the ribs detected during thoracic fluorography. IU.V.Kirsanova, T.A.Lezner. Vest.rent.i rad. 38 no.6.63-N-D '63.

CHEST—WOUNDS AND INJURIES

Treatment of rupture of the main bronchi in closed thoracic trauma. V.G.Cheshik. Khirurgiia 39 no.8;19-25 Ag '63.

CHESTNUT—DISEASES AND PESTS see subdivision under Azerbaijan

CHIATURA REGION (GEORGIA)—MANGANESE ORES

Georgia. Geologicheskoe upravlenie. [Chiatura manganese deposit] Chiaturskoe mestorozhdenie margantsa Moskva, Izd-vo "Nedra," 1964. 243 p.

CHICK-PEA—DISEASES AND PESTS see subdivision under Armenia

CHIKOY VALLEY—BIRDS

Ornithological observations in the Chikoy Valley (Chita Province) A N.Leont'ev, E I Pavlov Ornitologiia no 6 165-172 '63

CHILD STUDY

Inhibition. L.Kozlova Doshk.vosp. 36 no.12:40-53 D '63.

CHILDREN

After a performance S Ezerskii Sem'ia i shkola 19 no.3:12-13 Mr '64

Communism is the happiness of children. Doshk.vosp. 37 no.5;1-3 My '64.

First steps in the social relations of children. R.Ivankova. Doshk.vosp. 37 no.5;53-55 My '64.

CHILDREN—CARE AND HYGIENE

(see also subdivision under Moscow)

Does your child hear well? M Zinenberg. Sem'ia i shkola 19 no 3,30-31 Mr '64.

Nurse in a day nursery-kindergarten. V.Dobreitser. Doshk.vosp. 36 no.12;93-94 D '63.

Potanin, N.V. [Building up strength in a child] Zakalivanie rebenka. [Leningrad] Meditsina, 1964. 31 p. (Nauchno-populiarnaia literatura)

CHILDREN—DISEASES

Dombrovskaia, IU.F. [Vitamin deficiency in children] Vitaminnaia nedostatochnost' u detei. Moskva, Medgiz, 1963. 311 p
(DNLM)

Gornitskaia, E.A. [fundamentals of a study on rheumatic fever in children] Osnovy ucheniia o revmatizme v detskom vozraste. [Leningrad] Meditsina, 1964. 128 p.
(DNLM)

Malignant tumors in two children of the same family. T.O.Kochkina, A.IA.IAkovlev. Vop.onk. 8 no.9; 83-84 '62.

Review of M.B.TSuker's book "Fundamentals of pediatric neuropathology." N.S.Preobrazhenskaia, I.A.Stankevich. Zhur.nevr.i psikh. 63 no.6;942-944 '63.

Review of M.N.Volkov's book "Primary tumors of the bones in children (detection and surgical treatment)." N.P.Novachenko. Khirurgiia 39 no 8 132-133 Ag '63

Some characteristics of closed abdominal trauma in children. A.E.Vasiuk, G.P.Shor. Sov.med. 27 no.10;49-52 O '63.

CHILDREN—EMPLOYMENT see subdivision under Germany, West

CHILDREN—HOSPITALS see subdivision under Perm

CHILDREN—LANGUAGE

Children's speech. L.Nikol'skaia. Doshk.vosp. 37 no.5;67-69 My '64.

We teach them to pronounce sounds. A.Averkovich. Doshk.vosp. 37 no.5;69-71 My '64.

CHILDREN—MANAGEMENT

(see also subdivision under Gomel')

Children from Sumskaya Street Aleksandr Reznikov. Sem'ia i shkola 19 no.3;10-12 Mr '64

proizv. 8 no.6;39-41 Je '64.

Everything educates them here. M.I.Ulybysheva. Nach.shkola 32 no.5:26-27 My '64.

For the community as well as for the family. V.Ko' bimovskii Sem'ia i shkola 19 no 3 [illegible]

Gindes, E.IA. [Anomalies in childrens' behavior (t trums)] Anomalii povedeniia u detei (kaprizy). Ba Azerneshr, 1964. 95 p.

How to entertain a child at home. V.Batinghin. D. vosp. 36 no.12;62-65 D '63.

Let's give them moral education in the course of wo I.P Dulia. Shkola i proizv 8 no 7;[illegible] Jl '64

Pedagogical supervision of play. V.Avanova. D vosp. 37 no.5;59-62 My '64.

Training in play. M.Ignat'kaia. Doshk.vosp 37 n 55-59 My '64.

CHILDREN—SURGERY

Epshtein, G.IA., ed. [Traumatology and restorative surgery in children; selected chapters] Travmatolog i vosstanovitel'naia khirurgiia detskogo vozrasta; izbrannye glavy. [Leningrad] Meditsina, 1964. 334 p.
(DNLM)

Proceedings of the 66th joint meeting of the Scientific Society of Oncologists of Leningrad and Leningrad Province and the Section of Child Surgery of the Piro Surgical Society, March 1, 1962. S.A Kholdin, N.P. Napalkov Vop.onk. 8 no.9;119-121 '62.

CHILDREN AS ARTISTS

"From four o'clock to midnight." V.Tsel'ner Iskusstvo 27 no 4:36-39 Ap '64.

CHILDREN'S CLOTHING

Sports clothes. P.Vorob'eva. Doshk.vosp. 36 no.12 12-14 D '63.

CHILDREN'S ILLUSTRATED BOOKS see Illustrated books, Children's

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

Among books Sem'ia i shkola 19 no [illegible] My '64

Bookshelf. Nach.shkola 32 no.5;91-94 My '64

CHILE—ECONOMIC CONDITIONS

Who will be President of Chile? M.Gornov. Nov.vrem 21 no.24;16-18 Je '64.

CHILE—POLITICS AND GOVERNMENT

Who will be President of Chile? M.Gornov. Nov.vrem 21 no.24;16-18 Je '64.

CHIMNEY-SWEEPS

Veski, Arvo, and Aksel Valk. [Stovemaking and chimney-sweeping] Pottsepa- ja korstnapühkimistööd. Tallinn, Eesti Riiklik Kirjastus, 1964. 170 p. [In Estonian]

CHIMNEYS

Experience in erecting a 180 meter reinforced concrete smokestack in the fifth line of the Pridneprovsk State Regional Electric Power Plant. E.M.Denisov, V.N Fernandets, A.N.Bespal'ko. Energ.stroi. no 31 41-64 '63.

Russia (1923- U.S.S.R.) Glavnoe upravlenie teplotekhnicheskikh i termoizoliatsionnykh rabot. [Instructions on safety measures in the construction and repair of industrial furnaces and smokestacks] Instruktivnye ukazaniia po tekhnike bezopasnosti pri stroitel'stve i remonte promyshlennykh pechei i trub. Moskva, Stroiizdat, 1964. 126 p.

CHIMNEYS—DESIGN AND CONSTRUCTION

Bol'skii, V.I., and A.V.Chernov. [Brickwork and assembly of industrial furnaces and smokestacks] Kladka i montazh promyshlennykh pechei i zavodskikh trub. Moskva, Stroiizdat, 1964. 234 p.

CHINA—ACTINOMYCES

Some species of thermophilic actinomycetes from the soils of China and their antibiotic characteristics (with summary in English). E.S.Kudrina, T.S. Maksimova. Mikrobiologiia 32 no.4;621-631 Jl-Ag '63.

CHINA—COAL MINES AND MINING

Hydraulic coal mining in the Chinese People's Republic. G.A.Karpov. Trudy VNIIGidrouglia no.2:120-122 '63.

CHINA—COMMUNIST PARTY

Against dissenters, for unity in the communist movement Part zhizn' no.11:8-21 Je '64

Deliusin, L.P. [Struggle of the Communist Party of China for the solution of the agrarian question] Bor'ba Kommunisticheskoi partii Kitaia za razreshenie agrarnogo voprosa. Moskva, Izd-vo "Nauka," 1964. 183 p.

For the unity of the international communist movement on Marxist-Leninist principles. Agitator no 9 5 10 My '64.

[illegible] kommunisticheskoi [illegible], dokumenty i materialy. Moskva, Politizdat, 1964. [illegible] p.

[illegible] of Marxism-Leninism. [illegible]

[illegible] of the [illegible] of the Central Committee of the [illegible] February [illegible]

CHINA [illegible]

[illegible]

CHINA HISTORY

[illegible] [Selected works] Izbrannye proizvedeniia. Moskva, Izd-vo "Nauka," 1963. [illegible] p.

CHINA HYDRAULIC MINING

[illegible]

CHINA LAND TENURE

[illegible] [Struggle of the Communist Party of China for the solution of the agrarian question] Bor'ba Kommunisticheskoi partii Kitaia za reshenie agrarnogo voprosa. Moskva, Izd-vo "Nauka," 1964. [illegible] p.

CHINA POLITICS AND GOVERNMENT

[illegible] [Speech at the February 1964 Plenum of the Central Committee of the [illegible]] [illegible] Moskva, Politizdat, 1964. [illegible] p.

CHINESE [illegible]

[illegible]

[illegible] see subdivision under [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CHLORAL

[illegible]

CHLORIDES

[illegible]

CHLORINATION

[illegible]

[illegible]

CHLORINE - ABSORPTION SPECTRA

[illegible]

CHLORINE ANALYSIS

Determining the concentration of free chlorine in the [illegible]

CHLORINE COMPOUNDS

[illegible] concentration of [illegible]

[illegible] concentration of [illegible]

CHLORINE INDUSTRY

[illegible]

CHLORINE ORGANIC COMPOUNDS

[illegible]

CHLOROFORM

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CHLOROPHYLL

[illegible]

[illegible]

[illegible]

CHLOROPHOS - TOXICOLOGY

[illegible]

[illegible]

CHLOROSIS (PLANTS) see subdivision under Saratov Province

CHLORPROMAZINE

Investigating a sterile solution of aminazine. [illegible] Farmatsev. zhur. [illegible]

CHOIR (MUSIC)
(see also subdivision under Kolomna)

[illegible] [The chorus and choral conducting; what a leader of an amateur chorus should know] Khor i khorovedenie; chto nuzhno znat' rukovoditeliu samodeiatel'nogo khora. Moskva, Muzyka, 1964. [illegible] p. (V pomoshch' rukovoditeliam khudozhestvennoi samodeiatel'nosti i prepodavateliam muzyki v obshcheobrazovatel'nykh shkolakh)

[illegible] of 10-methyl-[illegible] Report No. [illegible] Further study of the antigenic properties of a [illegible] tumors of [illegible] origin. V.I.A. [illegible] [illegible] [illegible] no. [illegible] '63.

CHOLERA, ASIATIC

Immunobiological study of antigens of the liquid portion of cholera vaccines. [illegible] Zhur. mikrobiol., epid. i immun. [illegible] no. [illegible] '64.

CHOLESTEROL

Cholesterol synthesis in an animal organism and its control. [illegible] Usp. sovr. biol. 57 no. [illegible] My-Je '64.

CHOLESTEROL METABOLISM

Effect of the complex of [illegible] on the cholesterol content of the blood. [illegible] Izv. AN [illegible]

CHOLINE

Effect of [illegible] on the secretory function of [illegible]

[illegible] caused by the introduction of acetylcholine into cerebrospinal fluid. [illegible] and others. [illegible]

[illegible] derived from [illegible]

CHOLINESTERASES

[illegible]

CHONDROITIN

[illegible]

CHONDROMUCOID

[illegible]

CHORAL CONDUCTING see Conducting, Choral

CHORAL SOCIETIES see subdivision under Moscow

CHORION

[illegible]

CHOROID PLEXUS

[illegible]

CHOVDAR (AZERBAIJAN) ANTIQUITIES

[illegible]

CHROMAFFIN SYSTEM

[illegible]

CHROMATIN

[illegible]

Study of the sex chromatin of neutrophil leucocytes by the "naked nucleus" method [with summary in English]. [illegible] Arkh. anat., gist. i embr. 46 no. [illegible] '64.

CHROMATOGRAPHIC ANALYSIS

Analysis of amino acids by the capillary chromatography. [illegible] Izv. AN [illegible] My '64.

Capillary chromatography of technical [illegible] Neftekhimiia [illegible]

Chromatographic analysis of a mixture formed by [illegible] D.G. Davidyuk and others. Dokl. AN SSSR [illegible] no. [illegible] '64.

Chromatographic separation of menthol from mint resin and leaves left as waste from mint oil production. [illegible] Farmatsev. zhur. [illegible]

Chromatographic separation of quaternary asymmetrical ammonium salts into optically active antipodes and the study of their racemization rates. [illegible] Zhur. ob. khim. 34 no. [illegible] Mr '64.

of column chromatography [with summary in English]. T.I. Tikhonenko, IA Koudelka, Z.I. Borishpolets. Mikrobiologiia 32 no.4 723-726 Jl-Ag '63

Determining the α-olefins in pyrolysis gasolines by multistage chromatography V N Timkin Neftekhimiia 4 no 1 131-136 Ja-F '64

Equilibrium partition factor in ion exchange complex-forming chromatography. N.N.Matorina. Zhur fiz. khim 38 no.4:932-938 Ap '64

Gas-liquid chromatography of certain silica hydrocarbons and paraffins N S Nametkin and others Neftekhimiia 4 no 1 137-141 Ja-F '64

Isolation and properties of cathepsins from transplantable M-1 rat sarcoma O.V.Kazakova, V.N.Orekhovich. Vop.med.khim. 9 no.1 63-70 Ja-F '63.

Isolation of gold and thallium from a complex mixture of elements by partition chromatography B K Preobrazhenskii, A.V Kalıamin, I Mikhalcha. Radiokhimiia 6 no 1 111-112 '64

New system for KhL-2M chromatograph operation N I Chesrokov, E. A Glumova, G G Gilazov Mash i neft obor no 8 30-31 '63

Operation of chromatographs in flow V IA Al'perovich Nefteper i neftekhim no 1 44-47 '64

Partition chromatography on fluoroplast-4 Isolation of trace elements of Se from SrO target irradiated by fast protons L N. Moskvin. Radiokhimiia 6 no.1 110-111 '64.

Partition chromatography on ion-exchange resins. Part 2: Separation of Rh, Pd, Ir, and Pt. L.N.Moskvin, B.K.Preobrazhenskii. Radiokhimiia 6 no.2:237-241 '64.

Plant chromatograph for the quick determination of the fractional composition of gasolines Nefteper i neftekhim no 1 48-49 '64

Quantitative determination of alkaloids of the tropane group by the chromatographic-fluorescence method. T.V. Zinchenko, I.M. Fefer. Farmatsev.zhur. 15 no.4:19-22 '60.

Quantitative determination of fatty acids by distributive paper chromatography. A.A.Fonin, N.A.Fedorov, IU.N.Kasatkin. Vop.med.khim. 9 no.1:76-79 Ja-F '63

Role of some corticosteroids in hypertension Report No 2 E N Gerasimova Kardiologiia 3 no 6 11-15 N-D '63

Spectrophotometric characteristics of material received from chromatography, influenza A2 virus on hydroxylapatite. S.A.Kibardin. Vop.med.khim. 9 no.1,41-44 Ja-F '63.

Statics of exchange of a mixture of ions. N.K.Galkina, R.N.Rubinshtein, M.M.Senlavin. Zhur.fiz.khim. 36 no.9:1860-1869 S '62.

Study of the properties of adenoviruses and their agglutinins by fractionation using chromatography on DEAE cellulose V M. Zhadnov and others. Vop.virus. no.6. 688-692 N-D '63

Technological and economic effect of the use of a plant chromatograph in a system of automatic control and regulation R B.Gun Nefteper i neftekhim. no 1 12-44 '64

Using the Duclos method and chromatographic analysis for determining volatile fatty acids formed during the retting of bast cultures D.K Patutin Nauch -issl trudy TSNIILV 18 69-75 '62.

CHROMIC ACID

Products of interaction of chromic acid with chromium hydroxide. N.S.Afonskii. Vest.Mosk.un.Ser.2. Khim. 19 no.1:47-48 Ja-F '64.

CHROMIUM CATALYSTS

Polymerization of ethylene on a chromium oxide catalyst at high pressure. E.F.Alekseev, M.G Gonikberg. Izv.AN SSSR.Ser.khim no.5:914-917 My '64

CHROMIUM COMPOUNDS

New materials for setting up a basis for the permissible concentration of hexavalent chromium in bodies of water. E.V.Faidysh. San.okhr.vod.ot zagr.prom. stoch.vod no.5.366-369 '62.

Study of the diffusion movement of water molecules in solutions of paramagnetic ions by measuring proton resonance. K.Gunther, H.Pfeifer Zhur.strukt.khim. 5 no.2:193-200 Mr-Ap '64

CHROMIUM HYDROXIDES

Products of interaction of chromic acid with chromium hydroxide. N.S.Afonskii. Vest.Mosk.un.Ser.2. Khim. 19 no.1:47-48 Ja-F '64.

CHROMIUM-IRON-COBALT ALLOYS

Chromium alloys with iron and cobalt in the region of chromium-based solid solution. A.T.Grigor'ev, V.V. Kuprina, V.B.Bernard. Vest.Mosk.un.Ser.2: Khim. 19 no.2:37-40 Mr-Ap '64.

CHROMIUM ISOTOPES

Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia [with summary in English]. V.D.Sidora. Med.rad. 8 no.10:25-31 O '63.

V.D.Sidora. Med.rad. 8 no.10 7-10 O '63.

Determination of the life span of erythrocytes using Cr^{51} [with summary in English]. A.Z.TSfasmian, E N Meshine. Med.rad. 8 no.10:11-17 O '63

Hemolysis of erythrocytes in radiation sickness [with summary in English]. M.G.Shitikova Med.rad. 8 no 10:20-25 O '63.

Use of radioactive chromium for the study of the viability of polycythemic blood transfused to patients with chronic leukemia [with summary in English] V V. Shishkina, V D.Sidora. Med.rad. 8 no.10:18-20 O '63.

CHROMIUM-MANGANESE ALLOYS—MAGNETIC PROPERTIES

Antiferromagnetism of chromium - manganese alloys. A.A.Loshmanov. Kristallografiia 9 no.3:377-380 My-Je '64.

CHROMIUM-MANGANESE STEEL—HARDENING

Hardening of chromium-manganese-molybdenum steel with unstable austenite. O.I Kavalenko. Metalloved.i term.obr.met. no.4:8-10 Ap '64

CHROMIUM-MANGANESE STEEL—METALLOGRAPHY

Electron microscopy of the precipitation of carbides and the decomposition of ferrite in Khl8G14 steel at high temperatures. O.A.Bannykh. Metalloved.i term.obr. met. no.4:6-8 Ap '64.

CHROMIUM-MOLYBDENUM STEEL—HEAT TREATMENT

Heat treatment of corrosion-resistant chromium-molybdenum steels. E.V.Zotova. Metalloved.i term.obr.met. no.5.49-51 My '64.

CHROMIUM-NICKEL STEEL

Chemical nickel plating of chromium nickel austenitic steels. A.V.Riabchenkov, V.I.Velemitsina. Metalloved. i term.obr.met. no.4:21-24 Ap '64.

CHROMIUM-NICKEL STEEL—HARDENING

Hardening chromium-nickel stainless steels with aluminum and titanium during heat treatment. K.V. Varli and others. Metalloved.i term.obr.met. no.4: 2-5 Ap '64.

CHROMIUM PLATING

Nature of the film formed on the cathode during electrolytic deposition of chromium from chromic acid solution. D.N.Usachev. Zhur.fiz.khim. 38 no.4:927-931 Ap '64.

Polarization of chromium in solutions of ammonium sulfates and bivalent chromium. A.I. Zalata, L.K. Chebukina. Ukr.khim.zhur. 30 no.4:330-337 '64.

CHROMIUM STEEL—ANALYSIS

Effect of chromium on the mechanical properties of improved steel. N.M.Serpik, M.M.Kantor. Metalloved. i term.obr.met. no.5:28-29 My '64.

CHROMIUM STEEL—CORROSION

Effect of chromium and silicon on the corrosion resistance of low-alloy and siliceous steels in superheated steam. V.M.Nikiforova, I.L.Kharina Metalloved.i term.obr.met. no.4:26-29 Ap '64

CHROMIUM STEEL—HEAT TREATMENT

Effect of chromium on the mechanical properties of improved steel. N.M.Serpik, M.M.Kantor. Metalloved. i term.obr.met. no.5:28-29 My '64.

CHROMOSOME NUMBERS

Intensity of photosynthesis in diploid and tetraploid buckwheat. IE.A.Zhiebrak. Vestsi AN BSSR.Ser.biial.nav. no.1:81-86 '64.

CHRONAXIA

Boiko, E.I. [Reaction time in man; history, theory, present-day status and practical significance of chronometric studies] Vremia reaktsii cheloveka; istoriia, teoriia, sovremennoe sostoianie i prakticheskoe znachenie khronometricheskikh issledovanii. Moskva, Meditsina, 1964. 439 p.

Functional differences in the neuromuscular system of dogs with various nervous system types. D.P. Neumyvaka-Kapustnik, A.I.Plaskin. Zhur.vys.nerv. delat. 14 no.1:47-55 Ja-F '64.

CHU VALLEY—IRRIGATION

Land improvement and hydrobiological conditions of the Tash-Utkul' irrigation massif. E.A.Sokolenko. Izv. AN Kazakh.SSR.Ser.biol.nauk 2 no.1:36-43 Ja-F '64.

CHUKCHI SEA—HYDROMETEOROLOGY

Turbulent heat exchange of the surface of the Chukchi Sea with the atmosphere. Z.P.Fedorova, Z.S. IAnkina. Trudy AANII 264:44-51 '63.

CHUKCHI SEA—OCEAN TEMPERATURE

Dependence of the temperature of surface water in the southern part of the Chukchi Sea on its heat content. A.S.Denisov. Trudy AANII 264:59-60 '63

of the Jurassic coal-bearing formations in western and central parts of the Angara-C trough. P.P.Timofeev, V.V.Tremets iskop. no.2 106-126 Mr-Ap '64.

CHURCH CALENDAR

[Holy Trinity Orthodox Russian calendar for Troitskii Pravoslavnyi Russkii Kalendar' n Jordanville, N.Y., Holy Trinity Monastery 178 p.

[Old Believers' Church Calendar for 1964] S cheskii tserkovnyi calendar' na 1964 god. [Staroobriadcheskaia Arkhiepiskopiia Mosko vseia Rusi [n.d.] 59 p.

CHURKIN, ALEKSANDR IVANOVICH

History of a certain decoration. I.Krylov. Zhur. 6 no.5:51-52 My '64.

CHUSOVOY (PERM PROVINCE)—IRON AND S PLANTS

Combatting dust in the sintering department Chusovoy Metallurgical Plant. P.A.Koleva others. Nauch.trudy PermNIUI no.4 164-

CHYLOTHORAX

Postoperative chylothorax K.G Tabatadze. 39 no 8:116-117 Ag '63

CICATRICES

Lymphatic vessels in the area of the postoper of the small intestine. Sh.A. Gutakhia anest 8 no.5 40-43 S-O '63.

CIGARETTES

Arsenic content in Bulgarian cigarettes. K.Al Vop.onk. 8 no.11:48-50 '62.

CINNABAR

Anisotropy of the hardness of cinnabar crystal Bol'shakov. Zap.Vses.min.ob-va 93 no.2:

CIRCULAR SAWS

Dividing sector for moving the guide ruler to dimension. D.L.Shraer. Bum.i der.prom. 10 Ja-Mr '64.

Sawing hard fiberboard with circular saws. A Tufanov. Der.prom. 13 no.6:13-14 Je '6

CIRCULAR SAWS—DYNAMICS

Effect of the kinematic angle of impact on the characteristics of the sawing process in long sawing with circular saws. B.D.Kolchanov. zap.Petrozav.gos.un. 11 no.2:33-36 '63

Effect of the speed of sawing on the force char of the process of longthwise sawing with circ B.D.Kolchanov. Uch.zap.Petrozav.gos.un. 37-41 '63.

CIRCULATORY SYSTEM see Cardiovascular s

CIRCUMSTANTIAL EVIDENCE see Evidence, stantial

CITIES AND TOWNS

(see also subdivision under Great Britain, Tr baikalia; Ukraine)

Bibliography. Stroi.i arkhit.Len. 26 no.3 25

CITIES AND TOWNS—NOISE

Effect of sound absorbing and soundproofing by landscaping on the reduction of city noises. V Nov.tekh.zhil.-kom.khoz.: Blagoustr.gor. 123 '62.

CITRUS FRUITS—BY-PRODUCTS

Rudol'f, V.V. [Production and use of citrus ext for the soft drinks industry] Proizvodstvo i ip nie tsitrusovykh nastoev dlia bezalkogol'noi pr nosti. Moskva, Izd-vo "Pishchevaia promyshl 1964. 116 p.

CITY PLANNING

(see also subdivision under Asia, Central; Asi Moscow)

Characteristics of planning and building cities in of high seismicity. V.Glinka. Arkhit.SSSR no 37 '64.

Creative work of the Design and Planning Institu Moscow Province I.Perfilov, I Zakov. Arkh no.5:15-32 '64.

Man and the city. B.Svetlichnyi. Oktiabr' 40 163-175 Ja '64.

More on comprehensive, fully developed constru residential districts. V.Andreev. Stroi.i arkh 13 no.6:24-26 My '64.

CIVIL DEFENSE

Align on the beacons. Voen.znan. 40 no.4 16

Group exercises. V.Sovetnikov, V.IAstrembski znan. 40 no.4:21-22 Ap '64.

Inspections are an important matter. K.Bratvo znan. 40 no.4:17 Ap '64.

Ivanov, N. N., Sh. A. Leladeva, and V. D. Moskalev. [Civil defense; textbook for schools. Translated from the Russian] Tsiviilkaitse; käsiraamat koolidele. Tallinn, Eesti Riiklik Kirjastus, 1963. 183 p. [In Estonian]

The main thing is [illegible] and practice. [illegible] Voen. znan. 40 no. [illegible] Ap '64.

On the basis of [illegible] Voen. znan. 40 no. [illegible] Ap '64.

[illegible] Voen. znan. 40 no. [illegible] Ap '64.

[illegible] Voen. znan. 40 no. [illegible] Ap '64.

[illegible] Voen. znan. 40 no. [illegible] Ap '64.

A useful [illegible] Voen. znan. 40 no. [illegible] Ap '64.

CIVIL ENGINEERING

Glushman, F. E., and A. IA. Idelevich [illegible] [Municipal engineering structures] [illegible] [Moskva] [illegible], 1963. 52 p.

CIVIL LAW

[Problems of application of the Fundamental Rules of Soviet Civil Law to judicial practice] Voprosy primeneniia Osnov grazhdanskogo zakonodatel'stva v sudebnoi praktike. [By] G. F. [illegible] Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 165 p.

Russia (1917- R.S.F.S.R.) Laws, statutes, etc. [Statutes of the R.S.F.S.R. and decrees of the Supreme Soviet of the R.S.F.S.R., adopted by the Sixth Supreme Soviet of the R.S.F.S.R., third session, 10-11 June 1964] Zakony R.S.F.S.R. i postanovleniia Verkhovnogo Sovieta RSFSR, priniatye na tret'ei sessii Verkhovnogo Soveta RSFSR shestogo sozyva (10-11 iiunia 1964 g.) [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1964. 320 p.

[illegible], V. G. [Civil law problems in the light of the decisions of the 22d Congress of the CPSU] Voprosy grazhdanskogo prava v svete reshenii XXII s"ezda KPSS [Petrozavodsk] Vysshaia shkola, 1964. 30 p.

CIVIL LAW—STUDY AND TEACHING

Russia (1923- U.S.S.R.) Upravlenie podgotovki kadrov uchebnykh zavedenii. [Fundamentals of Soviet civil and labor law, topical plan and methodological instructions. For students of correspondence courses to raise the qualifications of accountants and principal (senior) accountants of state farms] Osnovy sovetskogo grazhdanskogo i trudovogo prava, tematicheskii plan i metodicheskie ukazaniia, dlia zaochnykh kursov povysheniia kvalifikatsii bukhgalterov i glavnykh (starshikh) bukhgalterov sovkhozov. Moskva, Statistika, 1964. 24 p.

CIVIL PROCEDURE

(see also subdivision under Kazakhstan [illegible])

[illegible]

[illegible]

Russia (1917- R.S.F.S.R.) Laws, statutes, etc. [Statutes of the R.S.F.S.R. and decrees of the Supreme Soviet of the R.S.F.S.R., adopted by the Sixth Supreme Soviet of the R.S.F.S.R., third session, 10-11 June 1964] Zakony RSFSR i postanovleniia Verkhovnogo Soveta RSFSR, priniatye na tret'ei sessii Verkhovnogo Soveta RSFSR shestogo sozyva (10-11 iiunia 1964 g.) [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1964. 320 p.

CIVIL RIGHTS

[illegible]

CLACTON, GREAT BRITAIN—YOUTH

[illegible] My '64.

CLAMS AND CLAM SYSTEM see subdivision under Croatia

CLASSIFICATION—BIOLOGY

[illegible] '64.

CLASSIFICATION—BOOKS

Classification system for "History of science," G. P. [illegible], A. S. [illegible]. [illegible] '63.

[illegible] Sov. bibl. no. 2:79-89 '63.

Improvement [illegible] of bibliographical classification [illegible] "History of the U.S.S.R." and "History of the CPSU." [illegible] Trudy [illegible] AN SSSR 1:[illegible] '63.

CLASSIFICATION OF SCIENCES

Classification and systematization of science. B. M. Kedrov. Priroda 53 no. 6:56-61 '64.

CLASSIFIED CATALOGS see Catalogs, Classified

CLAY

(see also subdivision under Daghestan; Kuba-Azov Lowland)

Dependence of the mineral composition of clays in coal-bearing formations on the conditions of sedimentation. A. G. [illegible], V. D. Shutov, V. A. Aleksandrova. Lit. i pol. iskop. no. 2:30-40 Mr-Ap '64.

Relation between allogenic and authigenic clay formation in the [illegible] of lithogenesis. M. A. Ratcev. Lit. i pol. iskop. no. 2:[illegible] Mr-Ap '64.

CLAY—ANALYSIS

(see also subdivision under Daghestan; Pechora Basin; Tatar A.S.S.R.)

Critical notes on [illegible] article "Use of dyes in the mineralogical analysis of clays and methods for the practical utilization of clay color reactions with organic dyes." [illegible], M. A. Ratcev. Zap. Vses. miner. ob-va [illegible] '64.

Method of conducting compression tests of previously compacted samples of clay soils. A. [illegible] Trud. [illegible] '64.

Potential [illegible] in different deposits. V. [illegible] '64.

CLAY—TESTING

Determining the plasticity of clay by the flow test. IU. V. [illegible] Steklo i keram. 19 no. 3:[illegible] Mr '64.

CLEANING COMPOUNDS

Cleaning compounds of alkyl aryl sulfonate type from liquid paraffins of the fraction of 180 to 320°C of Tuimazy oil. [illegible] '63.

[illegible]

[illegible]

[illegible]

CLEARING OF LAND

Machines for uprooting, collecting, and loading stumps. [illegible] '64.

CLEARING OF LAND—EQUIPMENT AND SUPPLIES

Machines for land improvement operations. [illegible] My '64.

CLERKS (RETAIL TRADE)

(see also subdivision under Moscow; Zaporozh'ye)

[illegible]

CLIMATOLOGY

(see also subdivision "Climate" under Caucasus, Northern; Georgia; Siberia)

[illegible] by B. P. Alisov, B. V. Poltaraus. Reviewed by [illegible] Markov. Vest. Mosk. un. Ser. 5: Geog. 19 no. 2:[illegible] Mr-Ap '64.

CLIMBING PLANTS

[Manual on the seed production of vegetable and vine plants] Spravochnik po semenovodstvu ovoshchnykh i bakhchevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 494 p.

(MIRA [illegible])

CLOCKMAKING AND WATCHMAKING

Polishing of journals and teeth of watch trains. G. A. Rzhanov. Priborostroenie no. 3:20-21 Mr '64.

CLOSTRIDIUM

Antiserums for Clostridium perfringens types B, C, and D; their preparation and properties. [illegible] Trudy Inst. [illegible] no. 5:[illegible] '60.

Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No. 2: Photodynamic effect of methylene blue on the toxins of Clostridium perfringens. R. M. Bardina. Trudy Inst. [illegible] no. 5:[illegible] '60.

Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No. 3: Photodynamic effect of methylene blue on the toxin of Clostridium histolyticum. R. M. Bardina. Trudy Inst. [illegible] no. 5:[illegible] '60.

Photodynamic effect of methylene on the toxins of gas gangrene agents. Report No. 4: Influence of the photodynamic action of methylene blue on the detoxication of the Clostridium septicum toxin. R. M. Bardina. Trudy Inst. [illegible] no. 5:176-180 '60.

[illegible]

Preparation of type-specific precipitating sera for the diagnosis of Clostridium perfringens. Z. A. Voronova. Zhur. mikrobiol., epid. i immun. 40 no. 5:126-128 My '63.

CLOSTRIDIUM—TOXICOLOGY

Mechanism of detoxication of the Clostridium perfringen toxin. M. V. Ipatovskaia, I. A. [illegible], T. V. Klimo-chkina. Zhur. mikrobiol., epid. i immun. 40 no. 10:110-115 O '63.

CLOTHING, PROTECTIVE

How we account for protective clothing. P. Zakorko. Bukhg. uchet 21 no. 4:55-56 Ap '64.

Ways of evaluating the dry methods of dust removal from workers' clothing. V. P. Oblimov. Nauch. trudy PermNIUI no. 4:156-163 '62.

CLOTHING AND DRESS—DISINFECTION

Safe method for chamber disinfection of clothing contaminated by pathogenic fungi. V. F. Pravo, Z. G. Stepanishcheva. Vest. derm. i ven. 37 no. 6:61-63 Je '63.

CLOTHING INDUSTRY

Chemistry and clothing. V. Popkov, V. Fedeniuk. Sov. torg. 37 no. 1:11-14 Ja '64.

Forms of the organization of continuous production lines in the garment cutting shops of clothing factories. A. A. Skvirin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 3:10-22 '64.

CLOTHING INDUSTRY—COSTS see subdivision under Moscow Province

CLOUD CHAMBER

Characteristics of an argon filled spark chamber. M. I. Daion and others. Prib. i tekh. eksp. 8 no. 6:52-54 N-D '63.

"Dead time" of a Wilson chamber. IU. S. Ivanov, V. M. Fedorov. Prib. i tekh. eksp. 8 no. 6:42-44 N-D '63.

A 180 L Wilson chamber. V. M. Fedorov. Prib. i tekh. eksp. 8 no. 6:44-46 N-D '63.

Study of ion drifting in a Wilson chamber using a spark chamber. IU. A. Kremenskii and others. Prib. i tekh. eksp. 8 no. 6:46-47 N-D '63.

CLOUDS

Accumulation of thick cumulus. M. V. Morozov, N. N. Romanov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:101-106 '63.

Aerosynoptic conditions governing the height of the upper boundary of clouds on the route from Tashkent to Moscow. I. V. Bugaeva, N. N. Romanov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:98-119 '63.

Conditions governing the formation of low cloudiness after fogs in Tashkent. Z. G. Emm. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:170-183 '63.

Meteorological conditions governing the formation of low cloudiness on the airway from Tashkent to Fergana. Z. G. Emm. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:163-175 '63.

Nonstationary one-dimensional model of a convective cloud. S. I. Lebedev. Dokl. AN SSSR 155 no. 4: [illegible] Ap '64.

Some exact solutions to the transfer equation and their application to problems of the physics of radiation. Sh. A. Mosaelian. Izv. AN SSSR Ser. geofiz. no. 5:[illegible] My '64.

Some general data on the upper boundary of clouds in high aviation routes, based on observations of airplane crews. I. V. Bugaeva, N. N. Romanov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:120-133 '63.

Suggestions for determining the height of the lower boundary of clouds in the upper layer. IA. A. Borzykh. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10: 184-191 '63.

Synoptic conditions governing the formation of low cloudiness on the airway from Tashkent to Fergana and the possibility of forecasting it. Z. G. Emm. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 10:151-162 '63.

CLUBROOT see subdivision under Leningrad Province; Moscow Province

CLUTCHES (MACHINERY)

Calculation of electromagnetic slide clutches with non-ferromagnetic rotors. N. E. Kuznetsov. Avtom. i telem. 25 no. 4:505-508 Mr '64.

Clutches with coiled springs assembled without deforming the elastic member. A. G. Sul'kin. Vest. mashinostr. 44 no. 5:13-19 My '64.

Effect of characteristics of tire-pneumatic clutch on the turning on of draw-works hoisting shaft. V. L. Arkhangel'skii. Mash. i neft. obor. no. 6:13-16 '63.

Electromagnetic sliding sleeve for drilling rigs. V. S. Vartanov. Mash. i neft. obor. no. 6:40-42 '63.

Heat losses in operating pneumatic clutches in draw works. G. O. Sklovskii. Mash. i neft. obor. no. 6:17-2 '63.

Some results of using hydraulic clutches in feed pump drives. A. N. Turkin. Elek. stan. 35 no. 1:[illegible] Ja '64.

[illegible] G. A. Vetrova and others. [illegible] 1/2 141-143 '63

COAL
(see also subdivision under Donets Basin, Kizel Basin)

[illegible] of fuel in a hammer mill using a [illegible] P. M. Luzin. Energomashino[illegible] no 2 41-43 F '64

COAL—ANALYSIS
[illegible] of coal by an ultrasonic method. A.K. Matveev, [illegible] Lit. i pol. iskop. no.2:159-165 Mr-Ap '64.

COAL—CARBONIZATION
Changes in the thermal characteristics of some coals dependent on the speed of their heating. I N Nikolaev, N I Kozlov. Koks i khim no.4:6-8 '64

Young's modulus of coke as dependent on the carbonization temperature. R.S Baruzdina, L N.Esipova, E.M Tait. Dokl. AN SSSR 156 no 4,935-936 Je '64

COAL—DRYING
Drying of coal concentrates in unit with directional travel of fluidized bed. M D Kuznetsov and others. Koks i khim. no 4:14-16 '64.

COAL—PERMEABILITY
Determining absolute rock pressure with the help of water filtration. R P.Korotkov. Ugol' Ukr. 8 no 3 11-12 Mr '64.

COAL—TESTING
Akademiia nauk SSSR. Sibirskoe otdelenie. Khimiko-metallurgicheskii institut. [Kinetics of the combustion of mineral fuels] Kinetika goreniia iskopaemykh topliv. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 157 p.

COAL GASIFICATION
Moscow. Institut goriuchikh iskopaemykh. [Gasification and the pyrolysis of fuels; collection of articles] Gazifikatsiia i piroliz topliv, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 188 p

COAL GEOLOGY
Dependence of the mineral composition of clays in coal-bearing formations on the conditions of sedimentation. A.G.Kossovskaia, V D.Shutov, V.A.Aleksandrova. Lit. i pol. iskop. no.2 20-38 Mr-Ap '64

COAL MINERS
(see also subdivision under Bukachacha region, Chita Province, Donets Basin, Donets Economic region)

One of ten million. G Filatov. Sov.shakht. 12 no.7. 6-7 Jl '63.

Readers' letters. Sov.shakht. 12 no.7:36-39 Jl '63.

Source of trust. L.Savel'ev. Sov.shakht. 12 no.7: 15-16 Jl '63.

Thank you, friends. I Pushin. Sov.shakht. 12 no.7: 44-45 Jl '63.

COAL MINERS—DISEASES AND HYGIENE
Sanitary and hygienic characteristics of water resistant PZh-20 ammonite. M.I Gzhegotskii, V.P. Maslov. Ugol' Ukr. 8 no.3 51-52 Mr '64.

COAL MINERS—PENSIONS
Consultation. Sov.shakht. 12 no 7:40-41 Jl '63.

COAL MINERS—RECREATION
Do we know how to relax? V.Zhiliakov. Sov.shakht. 12 no.7:33-34 Jl '63.

COAL MINES AND MINING
(see also subdivision under China; Donets Basin, Great Britain, Kizel Basin, Kuznetsk Basin, Lvov-Volyn' Basin; Pechora Basin, Ukraine)

At great speeds. P.Lavlinskii. Sov.shakht. 12 no.7: 22-23 Jl '63.

Book about the capacity and life of coal mines. I.N. Surdutovich, B. L. Raikhel', V.K.Grebeniuk. Ugol. Ukr. 8 no.3 53 Mr '64.

Brief news. Ugol' Ukr. 8 no.1,52-56 Ja '64.

Brief news. Ugol' Ukr 8 no 3 55-56 Mr '64.

Correlation analysis and linear programming in planning and analytical work in mines. V.B.Sivyi, V.V.Nezhentsev, V.N.Liashenko. Ugol' Ukr. 8 no.1:26-30 Ja '64.

Development plans and systems of mining at great depth. V.A. Zaichkin and others. Ugol' Ukr. 8 no 1 12-14 Ja '64.

Drift of 1113,2m worked in one month with the PK-3m cutter-loader. I.D Zinchenko. Ugol' Ukr. 8 no.1: 7-9 Ja '64.

Economically efficient length of a longwall during coal mining with a cutter-loader. N.A.Suvorov. Ugol' Ukr. 8 no.3:16-18 Mr '64.

Effect of mining methods and the preservation of section workings on their maintenance. V.M Esenkov. Ugol' Ukr. 8 no.3 18-19 Mr '64.

Fast mining brigades are pushing forward. V.Liashko, V.Perro, G.Chuprina. Sov.shakht. 12 no.7:8-9 Jl '63.

the mining of flat seams] Nauchnye osnovy proektirovaniia ugol'nykh shakht dlia razrabotki pologikh plastov. Moskva, Izd-vo "Nauka," 1964. 447 p.

Making 430M of drift for conveyor operations in one month. K.F Korolik, V.M.Sin'ko. Ugol' Ukr. 8 no.1:31-32 Ja '64.

[Methods of calculating the general inrush of water into coal mines] Metody rascheta obshchego pritoka vody v shakhty ugol'nykh mestorozhdenii. [By] V.D.Babushkin i dr. Moskva, Izd-vo "Nedra," 1964. 122 p.

Miners' relay race. P Tulmetov. Sov shakht 12 no.7,12 Jl '63.

Number and arrangement of ventilation shafts in the block system of opening mining areas at great depth. K I Tatomir and others. Ugol' Ukr 8 no 1 9-11 Ja '64.

People's control in action. N Perun. Sov shakht. 12 no.7;20-21 Jl '63

Readers' letters. Sov shakht. 12 no 7:36-39 Jl '63.

Revealing and analyzing the basic factors influencing the duration of mining operations. M.E.Kaganskii, F.I. Evdokimov. Ugol' Ukr. 8 no.3 35-36 Mr '64.

Trofimov, V. P. [Manless coal mining] Bezliudnaia vyemka uglia. Kiev, Gostekhizdat USSR, 1962. 254 p.

Using diagonal inclines in mines of the "Pervomaiskugol'" Trust. I.A.Kitashko, A.I.Lager', L.A.Shtan'ko. Ugol' Ukr. 8 no.1 33-35 Ja '64

Working an incline with the help of the "Prokhodchik" loader. R V.Muradov, A.I.IAvorskii. Ugol' Ukr. 8 no.1 32-33 Ja '64.

COAL MINES AND MINING—ACCOUNTING see subdivision under Kiselevsk (Kemerovo Province)

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES
Arched shields used for the hydraulic mining of thin, steeply pitching seams. G.I.Zhabin, N.M.Khvoshchevskii. Trudy VNIIGidrouglia no.2:19-27 '63.

Studying the geometric parameters of a shielded stope and the power capacity of hydraulic conveying. G.I. Zhabin, A.I.Kuprin. Trudy VNIIGidrouglia no.2:35-45 '63.

Studying the parameters of washout and hydraulic conveying of coal in shielded stopes. A.I.Kuprin, G.I. Zhabin. Trudy VNIIGidrouglia no.2 46-65 '63.

Wetting of the coal massif. V.D.Pridorogin, V.N. Andriushchenko. Ugol' Ukr. 8 no.1:46-47 Ja '64.

COAL MINES AND MINING—FIRES AND FIRE PREVENTION
Orekhov, V.S. [Fire prevention in enterprises of the mining industry] Pozharnaia okhrana predpriiatii gornoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 165 p.

COAL MINES AND MINING—LABOR PRODUCTIVITY
(see also subdivision under Donets Basin)

Contributions of designers to miners. S.M.Arutiunian. Ugol' Ukr. 8 no.3:2-3 Mr '64.

Fewer people and more coal. V.N.Ostapenko. Ugol' Ukr. 8 no.3 1-2 Mr '64.

Valuable beginning. L.Dobrov. Sov.shakht. 12 no.7: 10-11 Jl '63.

COAL MINES AND MINING—MANAGEMENT
(see also subdivision under Donets Basin)

Advantages of continuous integrated labor organization in longwalls. V.I.Andrushchenko, N.N.Maksimenko. Ugol' Ukr. 8 no 1 25-26 Ja '64.

COAL MINES AND MINING—PRODUCTION STANDARDS
(see also subdivision under Donets Basin)

Cleanness and endeavor. V.Nikishin, L.Ruvinskii. Sov.shakht. 12 no.7:18-19 Jl '63.

COAL MINES AND MINING—SAFETY MEASURES
(see also subdivision under Donets Basin)

It is possible to work without injuries. A.Tiganov. Sov. shakht. 12 no.7:28-29 Jl '63.

Labor safety room. V.Skotorenko. Sov.shakht. 12 no.7:29 Jl '63.

Roof control in steep seams subjected to outbursts of coal and gas. A.E.Ol'khovichenko. Ugol' Ukr. 8 no.3:49-51 Mr '64.

COAL MINING MACHINERY
(see also subdivision under Donets Basin)

Drift of 1113,2m worked in one month with the PK-3m cutter-loader. I.D.Zinchenko. Ugol' Ukr. 8 no.1 7-9 Ja '64.

Economically efficient length of a longwall during coal mining with a cutter-loader. N.A.Suvorov. Ugol' Ukr. 8 no.3:16-18 Mr '64.

Fewer people and more coal. V.N.Ostapenko. Ugol' Ukr. 8 no.3:1-2 Mr '64.

Introducing the KN-3 equipment set. A.I.Sokolov, IA.S. Bruk. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.5 17-19 My '64.

nauch. i tekh. inform. 17 no.2:9-10 '64.

Study of the resistance to the movement of a ch curvilinear guides of a LGD-2 cutter-loader. Kara. Ugol' Ukr. 8 no.3,30-31 Mr '64

System of mining steeply pitching seams with u of stoping machinery with remote control. V. Lavtsevich, V.R.Sal'nikov. Trudy VNIIGidro no.2:13-18 '63.

Two-spindle boring worm-conveyor unit for mec coal extraction. O.M Kolyshkin and others. ekon. inform. Gos. nauch.-issl. inst. nauch. i tek 17 no.2:7-9 '64.

COAL MINING MACHINERY—DESIGN AND CONS TION
Contributions of designers to miners. S.M.Aru Ugol' Ukr. 8 no.3:2-3 Mr '64.

COAL MINING MACHINERY—ELECTRIC DRIVIN
Concerning the handbook "Selection and operatio electric equipment of a section in a coal mine." Nauk. Ugol' Ukr. 8 no.3:54 Mr '64.

Working an incline with the help of the "Prokhod loader. R.V.Muradov, A.I.IAvorskii. Ugol' no.1:32-33 Ja '64.

COAL MINING MACHINERY—MAINTENANCE AN PAIR
Effect of the angle of cutter sharpening on its durab during rock cutting. S V.Skorobogatov. Ugol' 8 no.3:21-22 Mr '64.

COAL MINING MACHINERY—PNEUMATIC DRIVE
Using plastics in pneumatic engines. A.M.Belor skii. Ugol' Ukr. 8 no.1 23-24 Ja '64.

COAL PREPARATION—EQUIPMENT AND SUPPLI
Ways of improving the dewatering processes of w small coal. F S.Men'shikov, P.G.N[illegible] VNIIGidrouglia no.2:96-103 '63.

COAL PREPARATION PLANTS
A pleasure to the eyes. IU.Dubrov. Sov.shakht. no.7:26-27 Jl '63.

COAL PREPARATION PLANTS—EQUIPMENT AND PLIES
Experience in the operation of ejector flotation u and intensification of their efficiency. A.V.Dubl and others. Koks i khim no.4:9-11 '64.

COAL RESEARCH
Review of the book "New developments in the chem technology of coal." L.L.Khodunaev. Koks i kh no.4:64 '64.

COAL TAR
Experimental basis for the permissible concentrati the intermediate fraction of Cheremkhovo tar in bo of water. G.N.Krasovskii, S.A.Fridliand. [illegible] vod. ot zagr. prom. stoch. vod. no.5:260-284 '6[illegible]

COAST CHANGES
Budanov, V.I. [Methods for the study of coastal se zones by exploratory expeditions] Metodika ekspeditsionnykh issledovanii beregovoi zony moria. M Izd-vo "Nauka," 1964. 223 p.

"White strip", recent seashore studies. S.D.Oski Priroda 53 no.6:65-69 '64.

COAXIAL CABLES
Litvinenko, O.N., and V.I.Soshnikov. [Theory of nonuniform lines and their use in radio engineeri Teoriia neodnorodnykh linii i ikh primenenie v radiotekhnike. Moskva, "Sovetskoe radio," 1964 535 p.

COBALT
(see also subdivision under Azov, Sea of; Black S

Catalytic properties of cobalt obtained by the therm decomposition of amalgams. A.F.Agronomov, A. Mishchenko. Vest.Mosk.un.Ser.2: Khim. 19 no. 64-67 Mr-Ap '64.

Infrared spectra of carbon monoxide chemisorbed on cobalt. N.N.Kavtaradze, N.P.Sokolova. Zhur.fi khim. 38 no.4:1004-1005 Ap '64.

Study of the solubility of cobalt compounds in boiling water at 185 atm. pressures. Trudy MEI no.48 2[illegible] 236 '63.

COBALT—ANALYSIS
Chemiluminescence determination of cobalt in high zinc. A.K.Babko, N.M.Lukovskaia. Ukr.khim.z 30 no.4:388-390 '64

COBALT—PHYSIOLOGICAL EFFECT
Cobalt and manganese requirements of dairy cows in the forest-steppe zone of the Ukraine. S.V.Panov Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 33: 45-53 '62.

[illegible]

COBALT COMPOUNDS—PHYSIOLOGICAL EFFECT
[illegible]

COBALT FLUORIDE CRYSTALS—OPTICAL PROPERTIES
[illegible]

COBALT-NIOBIUM ALLOYS see Niobium-cobalt alloys

COBALT-PLATINUM ALLOYS
[illegible]

COBALTATES
[illegible]

COCAINE
[illegible]

COCOA—STANDARDS
[illegible]

[illegible]
[illegible]

[illegible] see subdivision under: [illegible]

[illegible]

COFFEE—STANDARDS
[illegible]

[illegible]

[illegible]
[illegible]

[illegible]
[illegible]

[illegible]
[illegible]

COKE INDUSTRY
(see also subdivision under: [illegible])
[illegible]

[illegible]
[illegible]

COKE INDUSTRY—EQUIPMENT AND SUPPLIES
[illegible]

[illegible]
[illegible]

[illegible] in the application of the achievements of [illegible] technology in production [illegible]

COKE OVEN GAS
[illegible] for determining nitrogen oxides [illegible]

COKE OVENS
[illegible] in the heating flues of coke ovens. [illegible]

COKE OVENS—TESTING
[illegible]

COLD (PHYSIOLOGICAL EFFECT)
[illegible]

COLD STORAGE see subdivision under: Ural Mountain region

[illegible]
[illegible]

COLD STORAGE WAREHOUSES see subdivision under: Mari A.S.S.R.; Moscow

COLD STORAGE WAREHOUSES—DESIGN AND CONSTRUCTION
[illegible]

[illegible]
[illegible]

[illegible]
(see also subdivision under: [illegible])
[illegible]

COLITIS—PSYCHOSOMATIC ASPECTS
[illegible]

COLLECTIVE FARMS
(see also subdivision under: Azerbaijan; Chita Province; Daghestan; Estonia; Kazakhstan; Ordzhonikidze Kray; Tambov Province; Tselinograd District; Ukraine; Vladimir Province; White Russia)
[illegible]

COLLECTIVE FARMS—ACCOUNTING
(see also subdivision under: Kirghizistan)
[Collective farm accountant's manual] Spravochnik bukhgaltera kolkhoza. Izd. 3., perer. i dop. Moskva, Izd-vo "Kolos," 1964. 822 p.
[illegible], A.M. [Business accounting and profit [illegible] on collective farms] [illegible] v kolkhozakh. [illegible] Izd-vo, 1964. 70 p. [illegible]

COLLECTIVE FARMS—FINANCE
[illegible]

COLLECTIVE FARMS—INCOME DISTRIBUTION
(see also subdivision under: [illegible] District, [illegible] District, White Russia)
[illegible]

COLLECTIVE FARMS—MANAGEMENT
[illegible]

COLLECTIVE FARMS—PENSIONS see subdivision under: Moscow Province

COLLECTIVE FARMS—TAXATION see subdivision under: Ukraine

COLLECTIVE LABOR AGREEMENTS see subdivision under: Denmark

COLLIMATORS
[illegible]

COLLISIONS (NUCLEAR PHYSICS)
[illegible]

COLLOIDS
[illegible]

COLLOIDS, EFFECT OF RADIATION ON
[illegible], and [illegible] [Radiation effects on the surfaces of gels] Radiatsionnye effekty na poverkhnosti gelei. Tashkent, Izd-vo "Nauka" Uzbek. SSR, 1964. 131 p.

COLON (ANATOMY)—SURGERY
[illegible]

COLONIES
[illegible] problems of colonialism and colonial policy [illegible] during the years of the Fourth Republic, [illegible]

COLOR CENTERS
Effect of the rate of growth on the concentration of [illegible] centers and on the [illegible] of [illegible] quartz. [illegible]

COLOR IN INDUSTRY

[illegible] in cent[illegible], [illegible]. N Savel'eva. NTO 6 no.3 27-[illegible] Mr '64.

COLOR MEASUREMENT

[illegible] three-color colorimeter. N V [illegible] Svetotekhnika 10 no 6:17-19 Je '64.

COLOR OF LEAVES

Color of leaves as an index of the content of tanning substances in plants B. M Gruner and others. Biul Gl. bot. sada no.53:72-75 '64.

COLOR OF MINERALS

Critical notes on L. I Kul'chitskii's article "Use of dyes in the [illegible] mineralogical analysis of clays and methods for the practical utilization of clay color reactions with organic dyes." M F Vikulova, M.A. Rateev. Zap. Vses. min. ob-va 93 no 2 237-241 '64.

COLOR TELEVISION

Accuracy of black color transmission in color television N.G Derugin Elektrosviaz' 18 no 4 43-47 Ap '64

Coding of color signals in the code system of color television. G I Bialik Radiotekhnika 19 no.5 65-75 My '64

Filtration of a monochromatic signal by a phase frequency trim system. V.V. Shakhgil'dian, A. A Liakhovkin. Elektrosviaz' 18 no.4 11-18 Ap '64

Zusmanovich, V. M. [Light and color in television] Svet i tsvet v televidenii. Moskva, Izd-vo "Energiia," 1964. 204 p.

COLORIMETRY

Accelerated photocolorimetric determination of alcohol in juices. N.Kh.Grinberg, T.A.Manuilova. Kons.i ov prom. 19 no 4:31-33 Ap '64.

Colorimetric description of bilirubin fractions in the blood of children with epidemic hepatitis. N.D.Gusarova, F G.Sivashinskaia. Lab delo no 2:93-96 '64

Colorimetric method for quantitative determination of coumarins O P. Prokopenko, O.O Tarasenko. Farmatsev zhur. 17 no 6 18-22 '62.

Effect of pH on the composition of buffer mixtures in photometric determination of cyanides by the Zincke-Konig reaction. H. I. Danylenko, V. H Zubenko. Farmatsev. zhur. 15 no. 5:17-22 '60.

Methodology of determining bilirubin in the blood serum by photoelectrocolorimetry O.A. Nuromskaia. Lab. delo no.2:96-98 '64.

Photocolorimetric method for determining nitrogen oxides in coke-oven gas. A.P Ovcharenko. Khim.prom.[Ukr.] no.4:59 O-D '63

Rinkis, G. [Determining macroelements and microelements, how to determine, by fast colorimetric methods, macroelements and microelements in plants, soils, water, and animals] Makroelementu un mikroelementu noteiksana; ka noteikt ar atram kolorimetriskam metodem makroelementus un mikroelementus augus, augsnes, udeni un dzivniekos. Riga, Latvijas Valsts izd-ba, 1964. 136 p. [In Latvian]

COMBINES (AGRICULTURAL MACHINERY)

Selection of some parameters for "Khersonets" combine V. A. Zheleznikov, V. A Bogomiagkikh. Trakt. i sel'khozmash. no. 5 27-29 My '64.

Unit for single-seed planting and intertillage of corn. D Sologub Tekh v sel'khoz 24 no 5 16-18 My '64

COMBINES (AGRICULTURAL MACHINERY)—TESTING

Testing the PKF attachment and automatic governor of the feeding of the threshing machine of the SK-4 combine. N G. Pogodin. Trakt. i sel'khozmash. no. 5.23 My '64.

COMBUSTION

Approximate methods in the theory of unsteady burning velocity of gunpowder A G Istratov, V. B Librovich, B V Novozhilov PMTF no 3:139-144 My-Je '64

Burning of wastes of the vital activity of organisms. S.N. Shorin, V.M. Dapshis. Probl.kosm.biol. 3:460-471 '64.

Burning velocity of gunpowder under variable pressure. IA B Zel'dovich PMTF no 3 126-138 My-Je '64

Critical rates of a break-away flame of methane-oxygen mixtures. A. M. Zeliznyi. Dokl. LPI 5 no. 1/2:78-83 '63.

Dependence of the burning velocity of various fuel systems on the initial temperature A. D Margolin, O. I. Nefedova, P. F. Pokhil PMTF no 3 149-153 My-Je '64.

Effect of pressure on the normal flame velocity of a methane-air mixture V S. Babkin, L S. Kozachenko, I. L Kuznetsov. PMTF no 3.145-148 My-Je '64

High-frequency pulsations during solid fuel burning. K. I. Shchelkin. Dokl. AN SSSR 156 no. 5:1178-1181 Je '64.

[illegible] O.K.Davtian [illegible] 825-832 Ap '64.

Temperature distribution in burning ammonium perchlorate V K Bobolev and others PMTF no 3 153-158 My-Je '64

COMBUSTION, SPONTANEOUS

Residues from sodium carbonate plant as inhibitors of low-temperature oxidation of Kizel coals. G. F. Ladin Nauch. trudy PermNIUI no. 1:186-189 '62.

Veselovskii, V. S., and others. [Spontaneous combustion of industrial materials] Samovozgoranie promyshlennykh materialov. Moskva, Izd-vo "Nauka," 1964. 245 p.

COMBUSTION RESEARCH

Combustion of gaseous fuel under high pressure in the presence of water and other inert media V M. Ivanov, A. M Alekseev, Z I Frenkina Teploenergetika 11 no 3 12-18 Mr '64

COMEDY FILMS

IUrenev, R. N. [The comic on the screen] Smeshnoe na ekrane. Moskva, Iskusstvo, 1964. 205 p

COMETS

Physical characteristics of 1961-1963 comets. S.K. Vsekhsviatskii. Astron. zhur. 41 no. 3.530-541 My-Je '64.

COMETS—1963

Alcock's comet (1963b). Astron. tsir. no. 239 1 Ap '63.

New Alcock's comet (1963b). Astron. tsir. no. 239:1 Ap '63.

COMMERCE

Prices of the world capitalist market L. TSirlin Plan khoz 41 no. 6 90-92 Je '64

COMMERCE—DICTIONARIES

Tulukov, M. A., comp. [Russian-Japanese economic and foreign trade dictionary] Russko-iaponskii obshcheekonomicheskii i vneshnetorgovyi slovar'. Moskva, Vneshtorgizdat, 1964. 455 p

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL LAW

Book on trade regulation. L. Gal'perin, A. Botvinnik. Sov. torg. 37 no. 1:43-45 Ja '64.

The law and a trade organization I Berger, V. Ivanitskii Sov torg 36 no 6 24-27 Je '63

Legal status of state trade organizations V IAzev Sov. torg 36 no 6 22-24 Je '63

COMMERCIAL PRODUCTS

[New consumer goods; information bulletin] Nov. tov.; inform. biul. no. 4 '64.

COMMUNICABLE DISEASES
(see also subdivision under Slovakia)

Chalisov, I. A., and A. T. Khazanov. [Pathoanatomical diagnosis of some infectious diseases in man] Patologoanatomicheskaia diagnostika nekotorykh infektsionnykh boleznei cheloveka. [Leningrad] Meditsina, 1964. 123 p.
(DNLM)

Elimination of infections; apropos the article by Sh. D. Moshkovskii. B.R. Mariupol'skii. Zhur. mikrobiol., epid. i immun. 40 no. 6:135-136 Je '63.

Elimination of infectious diseases. D. I. Drankin, A. I. Panaiotti, V. I. Slutskii. Zhur. mikrobiol., epid. i immun. 40 no. 6:136-140 Je '63.

Reviews, criticism and bibliography. Zhur. mikrobiol., epid. i immun. 40 no. 10:152-156 O '63.

Rôle of dust in the distribution mechanism of air-borne infections G I Karpukhin Trudy Irk IEG no 5:153-162 '60.

COMMUNICABLE DISEASES—BIBLIOGRAPHY see Bibliography—Communicable diseases

COMMUNICABLE DISEASES—HOSPITALS see subdivision under Czechoslovakia

COMMUNICABLE DISEASES—PREVENTION

[Specific prevention of particularly dangerous infections; a collection of scientific papers of antiplague institutions] Spetsificheskaia profilaktika osobo opasnykh infektsii; sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva, Meditsina, 1964. 383 p.
(DNLM)

COMMUNICABLE DISEASES—RESEARCH see subdivision under Perm Province

COMMUNICATIONS MUSEUMS see subdivision under Leningrad

COMMUNICATIONS, MILITARY

Communications in tank units. S. Vasil'ev Voen. vest. 43 no. 5:48-51 My '64.

[illegible] Voen. vest. 44 no. 6:102-105 Je '64.

Work of a chief signal officer on the march meeting engagement V. Derlugin. Voen no. 5 96-99 My '64

COMMUNISM

Communism is the happiness of children. I 37 no. 5:1-3 My '64

Correlation and interdependence of producti sumption during the large-scale building o A. I Grebnev. Vest. Mosk. un. Ser. 8: Ekon no 2:15-26 Mr-Ap '64.

Correlation of the history of philosophy and t communism. Some methodological problem of the history of philosophy. A. I. Novikov. kaf. obshchestv. nauk vuz. g. Len., Ist. [illegible] '64.

Establishment of communist social relations important task of the party. I. V. Nosov, [illegible] Smyshliaev. Uch. zap. kaf. obshchestv. nauk Len., Ist. KPSS no. 5:3-22 '64

Firmly defend the unity and principal line of communist movement, from the policy state Marxist-Leninist position. Agitator no 11: '64.

In the Academic Council on the Comprehensi "Laws of the development of socialism and t transition to communism." Vop. ist. 39 n Je '64.

IUr'ev, IU. [Socialism as the first phase of c the economic structure of the socialist socie book for students of special secondary sch sciences] Sotsializm - pervaia faza kommuni ekonomicheskii stroi sotsialisticheskogo obsh Posobie dlia uchashchikhsia srednikh spetsia uchebnykh zavedenii po obshchestvovedeniiu [illegible]] Vysshaia shkola, 1964. 58 p.

Kochin, I. N. [Overcoming social and economi tions between the city and village] Preodolen no-ekonomicheskikh razlichii mezhdu gorodo noi. Moskva, Ekonomika, 1964. 200 p

Levitanus, I. M. [Commodity production and t of communism] Tovarnoe proizvodstvo i stro kommunizma. Moskva, Ekonomika, 1964.

Loyalty to the principles of Marxism-Lenin shkola 32 no. 5:5-8 My '64.

[Marxism-Leninism as the international doctri Communists of all countries] Marksizm-lenin internatsional'noe uchenie kommunistov vsekh Moskva, Izd-vo "Pravda," 1964. 31 p

Marxism-Leninism on the development of [illegible] F. Chernyshov. Komm. Vooruzh. Sil 4 [illegible] '64.

Moscow. Universitet. Kafedra politicheskoi eko estestvennykh fakul'tetov. [Communist means duction; a textbook on economics for the studen institutions of higher learning] Kommunistiche sposob proizvodstva; uchebno-metodicheskoe p politicheskoi ekonomii dlia studentov vuzov. [illegible] P. A. Skipetrova. [Moskva] Izd-vo Mosk. univ., 189 p.

Our friends, Happy New Year! Oktiabr' 40 Ja '64.

Raymond Aron's search for "controversies" in IU. I. Izritskii. Vop. ist. 39 no. 6 203-207 Je

Scientific communism, its subject and objective Rozhin. Uch. zap. kaf. obshchestv. nauk vuz. g. Filos. no. 5:3-16 '64.

A special problem in the revisionist "criticism" Marxist theory; against the revisionist negation scientific nature of Marxist ideology. V A. Che E. I. Shekhterman. Uch. zap. Kazakh. un. 40:115 '60.

Struggle of the CPSU for the solidarity of the inte tional communist movement; resolution of the of the Central Committee of the CPSU passed 15, 1964. Nach. shkola 32 no. 5:3-5 My '64

Telecommunication and the building of com N Psurtsev. Radio no 5 4-5 My '64

Trade unions and their role in the establishment communist relations. P. F. Metel'kov. Uch. za obshchestv. nauk vuz. g. Len.; Ist. KPSS no 5 12 '64.

Tropkin, N. V. [V. I. Lenin's book "'Left-wing' co nism, an infantile disorder"] O knige V. I. Lenin skaia bolezn' 'levizny' v kommunizme." Moskva Politizdat, 1964. 77 p. (Konsul'tatsii po istorii

Under the banner of the Leninist party. Voen. zna no. 4:1-2 Ap '64.

The unity of theory and practice and the developm of communist social relations. O. N. Tatarov zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS 48-60 '64.

COMMUNISM AND ART

Art and religion as different forms of social consc ness. I. G. Molchanov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 1:99-110 '64.

The Communist Party and art. Iskusstvo 27 no. 11 Ap '64.

(see also subdivision under United States)

Brovman, G.A. [The hero and the times; review of prose written in 1963] Geroi i vremia; obzor prozy za 1963 god Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literature i iskusstvo, no. 9)

Reality, ideals, idealization (to be continued) An. Dremov. Oktiabr' 40 no 1 192-207 Ja '64.

Reality, ideals, idealization (conclusion) An. Dremov. Oktiabr' 40 no. 2:190-206 F '64.

COMMUNISM AND MUSIC

To the Central Committee of the CPSU. Sov muz 27 no. 12:3-4 D '63

COMMUNISM AND RELIGION

Art and religion as different forms of social consciousness. I. G. Molchanov. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 1:99-110 '64.

COMMUNISM AND SOCIETY

Subjective factor in the development of the contemporary Soviet society. A. F. Kuz'min. Uch. zap. kaf. obshchestv. nauk vuz. g. Len ; Filos. no. 5:95-104 '64.

COMMUNIST COUNTRIES—CULTURE

Communism and intellectual culture C A Baller. Vop. filos 18 no 5.164-168 '64

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Os'mova, M. N. [New trends in the economic relations of the member-countries of Comecon] Novye napravleniia ekonomicheskikh sviazei stran - uchastnits SEV. [Moskva] Izd-vo Mosk. univ., 1964. 58 p.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS—CUBA

"Five years of the Cuban revolution." Reviewed by V. V. Andrianov. Nov. i noveish. ist. no. 2:140-143 '64.

COMMUNIST COUNTRIES—POLITICS AND GOVERNMENT

Sanakoev, Sh. P. [Great commonwealth of free and sovereign peoples] Velikoe sodruzhestvo svobodnykh i suverennykh narodov. Moskva, Izd-vo "Nauka," 1964. 180 p. (Nauchno-populiarnaia seriia)

COMMUNIST EDUCATION

(see also subdivision under Dnepropetrovsk; Kuybyshev; Ukraine)

Activists are cultural front guards. T. Kalinnikov. Sov. profsoiuzy 20 no. 13:30-32 Jl '64.

Creative work is the basis of the communist education of the people. I. Pustovalov. Vop. ekon. no. 6:19-27 Je '64.

Educate those who are to form our new life. N. Egorychev. Agitator no. 11:9-13 Je '64.

Education is a creative process. V. Ageev, A Orekhanov Sov. profsoiuzy 20 no 11·10-12 Je '64

Efficient form of studying. S. Volkov. Prof.-tekh. obr. 21 no. 5:27-28 My '64.

Increased role of museums in the communist education of workers. Agitator no. 11:21 Je '64.

Increasing the role of museums in the communist education of workers. Part zhizn' no. 11:28-29 Je '64.

Inculcating the communist attitude towards work. D. M Nesterov. Shkola i proizv. 8 no. 7:9-12 Jl '64.

Let's improve the organization of ideological work. Agitator no. 11:3-7 Je '64.

Most important features in the education of a new man; on N S. Khrushchev's book "On communist education" Nach. shkola 32 no 6 3-7 Je '64

The teacher's job and duty. K. Anisimova. Sov. profsoiuzy 20 no. 12:22-23 Je '64.

To teach means to educate. Sov profsoiuzy 20 no. 13: 32-35 Jl '64.

[Work of Party organizations in schools] Koolide parteiorganisatsioonide tookogemusi; artiklite kogumik. Tallinn, Eesti Riiklik Kirjastus, 1963. 240 p. [In Estonian]

COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

The use of phonograph records of V. I. Lenin's speeches in lessons of history. V. I. Pylypenko. Ukr. ist. zhur. 8 no. 2:102-103 Mr-Ap '64.

COMMUNIST ETHICS

Bandzeladze, G. [Tentative interpretation of the system of Marxist ethics] Opyt izlozheniia sistemy marksistskoi etiki. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 474 p.

The ethical content of art. V. K. Skatershchikov. Vop. filos. 18 no. 5:128-137 '64.

An incomprehensible criticism. A. F. Shishkin. Vop. filos. 18 no. 5:108-112 '64

Man's beauty. Sergei Konenkov. Nach. shkola 32 no. 6: 8-15 Je '64.

The moral qualities of a personality. V. Uvarov. Komm. Mold. 9 no. 2:61-65 F '64.

movement V. K Korol'kov Uch zap kaf. obshchestv nauk vuz. g Len., Ist. KPSS no 5:209-218 '64.

Religion and morals. A. Babii, M. Poltavchenko. Komm. Mold. 9 no. 2:66-74 F '64.

Some regularities in the formation of communist consciousness S N. Soskin Trudy AZVI 12 44-62 '61

To love in the real way. Petr Nikitin. Oktiabr' 40 no. 1,185-186 Ja '64

COMMUNIST INTERNATIONAL

V. I. Lenin's struggle against dogmatism and sectarianism in the international workers' and communist movement from 1919 to 1922. N. G. Sevriugina. Nov. i noveish. ist. no. 2 12-28 '64.

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES

(see also subdivision under Europe, Eastern; Latin America)

Against dissenters, for unity in the communist movement. Part zhizn' no. 11 8-21 Je '64

Firmly defend the unity and principal line of the world communist movement; from the policy statements of Marxist-Leninist parties. Agitator no. 11 18-20 Je '64.

For the solidarity of the international communist movement on the principles of Marxism-Leninism Komm. Vooruzh. Sil 4 no. 9 3-44 My '64

For the unity of the international communist movement on Marxist-Leninist principles Agitator no 9 6-10 My '64

Gavrilov, D. A. [In unity lies the strength of the Communists] V edinstve - sila kommunistov. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 12)

Moscow. Zaochnaia Vysshaia partiinaia shkola. [The international communist, workers' and national liberation movement from 1939-1962; a methodological textbook] Mezhdunarodnoe kommunisticheskoe, rabochee i natsional'no-osvoboditel'noe dvizhenie v 1939-1962 godakh; uchebno-metodicheskoe posobie. Moskva, Izd-vo VPSh i AON pri TsK KPSS.

No. 3. [The communist and workers' movement in the imperialist countries in the postwar years] Kommunisticheskoe i rabochee dvizhenie v imperialisticheskikh stranakh v poslevoennye gody. 1962. 108 p.

The struggle for unity in the international communist movement. Palm Datt. Part. zhizn' no 10 64-79 My '64

COMMUNIST PARTY see subdivision under Bulgaria; Ceylon; China; France; Great Britain, Lithuania; Poland

COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Kaluga; Kirghizistan; Moldavia; Moscow Province; Tajikistan; Ukraine)

Activity of the Communist Party in carrying out single commands in the Armed Forces (1925-1931). IU. Petrov. Voen.-ist. zhur. 5 no. 5 12-23 My '63.

Admission in the CPSU and the party commission. M. Lazebnikov. Komm. Vooruzh. Sil 4 no. 8:46-49 Ap '64.

Apparatus of a party committee. Part. zhizn' no. 10·3-7 My '64

"During the years of severe trials" by K. Dubina. Reviewed by M. M. Matviichuk, H. P. Mishchenko. Ukr. ist. zhur. 8 no. 2:141-143 Mr-Ap '64.

Freedom of discussion and unity of action. V. Zasorin. Part. zhizn' no 10. 16-23 My '64.

Gurovich, V. IA. [The Communist Party of the Soviet Union as organizer of the large-scale building of communism] KPSS - organizator razvernutogo stroitel'stva kommunizma. Moskva, Politizdat, 1964, 62 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Kravchenko, A. S. [The foundations of our Party; discussions on the primary organizations of the CPSU] Osnova nashei partii; besedy o pervichnykh organizatsiiakh KPSS. [Moskva] Mosk. rabochii, 1964. 367 p.

Moscow. Akademiia obshchestvennykh nauk. [Against falsification of the history of the CPSU] Protiv fal'sifikatsii istorii KPSS. Moskva, Izd-vo "Mysl'," 1964. 236 p.

Moscow. Akademiia obshchestvennykh nauk. [From the history of V. I. Lenin's struggle for the consolidation of the Communist Party] Iz istorii bor'by V. I. Lenina za ukreplenie partii. Moskva, Izd-vo "Mysl'," 1964. 317 p.

One of the party committee's decisions. V. Malinovskii. Part. zhizn' no. 10:43-44 My '64.

Public health problems in the program of the CPSU; on the 60th anniversary of the adoption of the first party program. S. IA. Chikin. Sov. med. 27 no. 10:3-6 O '63.

Right to the former or equal work. Part. zhizn' no. 10: 44 My '64.

national question during the period of 1916-1920" by M. I. Kulichenko. Reviewed by P. P. Bachinskyi, M. A. Konovalov. Ukr. ist. zhur. 8 no. 2 144-146 Mr-Ap '64.

Take care of the crop fields in an organized way Part. zhizn' no 11 29-31 Je '64

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Decisions of the 22d Congress of the CPSU and geographers' tasks. Izv. Komi. fil. Geog. ob-va SSSR no. 8 3-4 '63.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP see subdivision under Tatar A.S.S.R.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Azerbaijan, Dnepropetrovs Leningrad; Menzelinsk, Tatar A. S. S. R.; Moldavia; Moscow; Moscow Province; Oknitsa, Moldavia, Patamd Azerbaijan)

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut filosofii i prava. [Development of the socialist consciousness of collective farmers, based on materials of the Kazakh S. S R.] Razvitie sotsialisticheskogo soznaniia kolkhoznogo krest'ianstva (na materialakh Kazakhskoi SSR) Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 214 p.

Assistance to the leaders of production V. Pliushchenko Part zhizn' no. 11:56-59 Je '64

At an enterprise of communist labor P. Tarasiuk Part zhizn' no 11,59-60 Je '64

The CPSU's struggle for the establishment of the material base of the communist mode of life S. V. Stepanov Uch. zap kaf. obshchestv nauk vuz. g. Len, Ist. KPSS no 5 177-200 '64

Capital construction should be placed under party control B. Steshov. Komm. Mold. 9 no. 2:16-21 F '64.

Characteristic features of the public opinion under the conditions of the transition to communism. B. A. Eruno Uch. zap. kaf. obshchestv nauk vuz. g. Len.; Filos no. 5 143-158 '64.

Communists are bringing to light the hidden potentialitie in production. Part. zhizn' no. 10 32-37 My '64

Criticism of some modern falsifications of K. Marx's social determinism. N. M. Berezhnoi. Vest. Mosk. un. Ser. 8: Ekon., filos. 19 no. 2:60-73 Mr-Ap '64.

Encouraging the propagandists. G Ivanov. Part zhizn' no. 11:66 Je '64.

Everything continues in the old way. F. Kozyrev. I. Mitin Part zhizn' no 11 76-78 Je '64

First shoots B. Burov Agitator no. 9·31-34 My '64

"Foremen's hour." P. Borshchov. Part. zhizn' no 11: 61-62 Je '64.

From the practice of the Leningrad Party Organization i consolidating the tie between school and life. V. A. Sergeev. Uch. zap. kaf. obshchestv. nauk. vuz. g. Len., Ist. KPSS no. 5:88-103 '64.

Getting acquainted with advanced practice. M. Baraban Part zhizn' no. 11 42-44 Je '64.

Glebov, A. N. [The Party's struggle for completion of the socialist reconstruction of the national economy. Victory of socialism in the U. S. S. R., 1933-1937] Bor'ba partii za zavershenie sotsialisticheskoi rekonstruktsii narodnogo khoziaistva. Pobeda sotsializma v SSSR (1933-1937 gg.). Moskva, Politizdat, 1964, 30 p (Metodicheskie sovety propagandistam i samostoiatel'n izuchaiushchim istoriiu KPSS)

The hidden potentialities in production should be utilized more efficiently Part zhizn' no. 11:3-7 Je '64.

In the party organization of a hospital. S. Blum. Part zhizn' no 11:50-53 Je '64

In the struggle to overcome the lagging of collective farms. P. P. Kozyi. Ukr. ist. zhur. 8 no. 2:19-25 Mr-Ap '64.

In the workshops of the by-product coke plant I. Brazhnik, I Vinnik. Part zhizn' no. 11:62-63 Je '64.

Ivashchenkov, P. D. [Leninist style in party work and state administration] Leninskii stil' v partiinoi i gosudarstvennoi rabote. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 51 p.

Komissarov, A. N. [Control in the Lenin way] Kontrol' po - leninski. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 64 p. (Bibliotechka agitatora)

Lenin's great party. V. Malyshev. Sov. shakht. 12 no. 7 4-5 Jl '63.

Letters from our readers. Part. zhizn' no. 11:79 Je '64.

Let's efficiently utilize each hectare; propagandist A. Kuz'menko's talk. Agitator no 9:27-30 My '64.

The main trend in the development of agriculture. Komm Mold. 9 no. 2·11-15 F '64.

Make better use of the radio and television. V. Ermolae Part. zhizn' no. 10.73-74 My '64.

A man stumbled, help him! I. Kondratenko. Part. zhizn no. 10:50-52 My '64.

Moscow. Akademiia obshchestvennykh nauk. [From practice in the Party's guidance of the economy] Iz praktiki partiinogo rukovodstva khoziaistvom Moskva, Izd-vo "Mysl'," 1964. 278 p.

Moscow party and Communist Youth League organizations in the struggle for the improvement of the general education of the working youth from 1959 to 1963. I.D. [illegible]. Vest. Mosk. un. Ser. 9 Ist. 19 no. 3·3-18 [illegible]

On the achievements of the workers of the Sebria[illegible] [illegible] Works. D [illegible]man Part zhizn' no 11 [illegible] Je '64

[illegible] Part zhizn' no 10 79-80 My '64

Part [illegible] Part zhizn' no 11 79-80 Je '64

Party organizations and the consolidation of public order S Gra[illegible] Part zhizn' no 10 8-13 My '64

"People's controllers at work." N Shtangin. Komm Mold 9 no. 2 77-80 F '64

Perfecting the methods for organizing the ideological education IU. I. Taraso. Uch. zap kaf obshchestv nauk vuz g Len , Ist KPSS no 5 70-87 '64

Personal example of a communist V Vetlitskii Part zhizn' no 11 [illegible] Je '64

The policy of the Communist Party in combining the material and moral labor incentives Z I Zazerskaia, G D Zazerskii Uch zap kaf obshchestv nauk vuz. g Len , Ist KPSS no 5 164-176 '64

Political education P Tkachenko Part zhizn' no 10 52-57 My '64

The principal link Agitator no 9 3-5 My '64

Reproof L L'vov Part zhizn' no 10 58-63 My '64

[Searching and finding; an outline of the experience of the Communist Youth League's committees and the bureaus of primary organizations of military units, ships, and military education institutions] Ocherki ob opyte raboty komsomol'skikh komitetov i biuro pervichnykh organizatsii chastei, korablei i voennykh uchilishch Moskva, Voenizdat, 1964 189 p (Bibliotechka komsomol'skogo aktivista)

Soviets and the development of the new man A Miurisep Part zhizn' no 11 21-27 Je '64

There is no reason for taking offense S Mal'ginov Part zhizn' no 10 41-42 My '64

Trained labor force should be assigned for work to the lagging farms I Shutov. Part zhizn' no 10 24-30 My '64

Tyshkilov, P P [The party organizations of Buryatia in the period of the rehabilitation of the country's national economy, 1921-1925] Partiinye organizatsii Buriatii v period vosstanovleniia narodnogo khoziaistva strany (1921-1925 gg). Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963 94 p.

The unity of theory and practice and the development of communist social relations O. N. Tatarov. Uch zap kaf obshchestv nauk vuz. g Len., Ist. KPSS no. 5 48-69 '64

Useful discussion A Kostarev Part zhizn' no 10·46-47 My '64

A voluntary transport detachment A Seleznev Part zhizn' no 10 30-31 My '64

Work of the "Mosfil'm" motion picture studio Part zhizn' no 10 14-15 My '64

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Party work

COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS

Help, teach, persuade V Zhidkov Part zhizn' no. 11· 74-75 Je '64

COMMUNIST REVISIONISM

Gavrilov, D. A. [In unity lies the strength of the Communists] V edinstve - sila kommunistov. Moskva, Izd-vo "Znanie," 1964. 47 p (Novoe v zhizni, nauke, tekhnike. I Seriia· Istoriia, no. 12)

Kharkov. Universitet. Kafedra politicheskoi ekonomii. [Criticism of the modern bourgeois, reformist, and revisionist theories of economics] Kritika sovremennykh burzhuaznykh, reformistskikh i revizionistskikh teorii po voprosam politicheskoi ekonomii. Pod obshchei red. A. P. Mamaluia. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 302 p.

COMMUNIST STATE

Bovin, A. E. [State and communism; an aid for students of correspondence and evening courses who are studying the materials of the 22nd Congress of the CPSU] Gosudarstvo i kommunizm; v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS. [n p.] Rosvuzizdat, 1963. 51 p.

COMMUNIST YOUTH LEAGUE

(see also subdivision under Latvia; Stupino, Moscow Province, Ukraine)

Activity of the Communist Youth League of the Ukraine in the education of youth during the period between the 20th and the 22d Congress of the CPSU. IA. M. Serishchev. Ukr. ist. zhur. 8 no. 2 26-37 Mr-Ap '64.

Heroic spirit of an individual example. V. Komissarov. Komm Vooruzh Sil 4 no 9 66-70 My '64.

In a company of the courageous G. Shatunov. Komm. Vooruzh Sil 4 no. 9 71-73 My '64.

In contact with the Communist Youth League G. Kalashnikova. Bibliotekar' no. 6:25 Je '64.

Rays of the "Communist Youth League searchlight." A Shelepin Prof.-tekh. obr 21 no 5:25-26 My '64.

Reserves in action. V. Novik, V. Larin. Komm. Vooruzh Sil 4 no. 8,57-60 Ap '64

Resolute advance of the Soviet youth. A. Kamshalov. Agitator no. 11:22-24 Je '64.

"This is a Communist Youth League number." Komm. Vooruzh. Sil 4 no. 8·91-92 Ap '64.

Vsesoiuznyi Leninskii Kommunisticheskii Soiuz Molodezhi. [Statute of the All-Union Leninist Communist Youth League adopted by the 14th Congress of the Communist Youth League] Ustav; priniat XIV s"ezdom VLKSM. [Moskva] Molodaia gvardiia, 1964. 31 p.

Volkov, K. N. [What are you going to be, man? Life in the school Communist Youth League] Kakim ty budesh', chelovek?; zhizn' shkol'nogo komsomola. Moskva, Izd-vo "Znanie," 1964. 111 p. (Narodnyi universitet kul'tury· Pedagogicheskii fakul'tet, no. 2)

With Lenin's name. G. Shatunov. Kryl. rod. 15 no. 6: 1-2 Je '64.

COMMUNISTS

Stories about communists A. Koloskov Part zhizn' no 10·70-72 My '64

COMMUNITY AND SCHOOL

Community and school V K. Gornets. Shkola i proizv. 8 no 7·2-5 Jl '64

To teach means to educate Sov. profsoiuzy 20 no. 13 32-35 Jl '64.

COMMUNITY CENTERS

(see also subdivision under Gorkiy; Lipetsk; Penza Province)

Main house in the village IU Falatov Sov. profsoiuzy 20 no 11 19-20 Je '64

COMMUNITY LIFE see subdivision under Kharkov

COMMUNITY ORGANIZATION see subdivision under Kuybyshev, Mordovia

COMMUTATION (ELECTRICITY)

Electronic commutator for time-division multiplexing of circuits M A. Gadzhiev Mash i neft. obor. no. 8· 36-39 '63

COMPENSATION, WORKMEN'S see Employers' liability

COMPETITION, INTERNATIONAL

Alekseev, A. M., and L. P. Ivanova. [Present stage of the competition between the two world systems] Sovremennyi etap ekonomicheskogo sorevnovaniia dvukh mirovykh sistem. Moskva, Ekonomika, 1964. 255 p.

Studying the problems of economic competition between the two systems. Vop. ekon. no. 6:153-155 Je '64.

Winning the economic race; a book review. A. Kashkarov. Nov. vrem. 21 no. 24:28-31 Je '64.

COMPLEMENT FIXATION

Complement fixation reaction in tick-borne encephalitis. O. E. Rzhakhova. Vop. med. virus. no. 6.68-73 '50.

Data on the serological diagnosis of chorioepithelioma. N. D. Anina-Radchenko, K. O. Leonidova Vop. onk. 8 no. 11:3-8 '62.

Determination of the complement fixing antibodies in the serum of people inoculated against tick-borne encephalitis. O. E. Rzhakhova. Vop. med. virus. no. 6 92-95 '59.

Experience in the use of cow serum instead of immune rabbit hemolysin in the complement fixation reaction. L. S. Reznikova, O. A. Stoianova. Zhur. mikrobiol., epid. i immun. 40 no. 6:119-121 Je '63.

COMPLEMENTS (IMMUNITY)

Determining complement components in human serum. A. V. Mashkov, Z. M. Mikhailova, L. A. Levina. Zhur. mikrobiol., epid. i immun. 40 no. 6:84-91 Je '63.

Effect of vibration and ultrasound on the complement activity of human serum. F. S. Okolov, S. Kh. Nikolov, T. B. Romantsova. Zhur. mikrobiol., epid. i immun. 40 no. 10:47-51 O '63.

Role of natural ultraviolet radiation in increasing the immunobiological reactivity of the body. D. G. Deviatka, I. S. Alyeneva. Zhur. mikrobiol., epid. i immun. 40 no. 10:43-46 O '63.

COMPLEX COMPOUNDS

Complex compounds of alkyl- and polyalkylchlorophosphines with aluminum chloride. Part 3: Production of complex compounds of trialkyldichlorophosphines with aluminum chloride and their reduction. S. Z. Ivin, K. V. Karavanov, V. V. Lysenko. Zhur. ob. khim. 34 no. 3: 852-854 Mr '64.

Determination of the composition of complexes by th data of the metal indicator method. V. V. [illegible], A. A. Zholdakov. Ukr. khim. zhur. 30 no. 1:95-102 '64.

Determination of titanium in metallic aluminum as a ternary complex titanium - salicylate - quinine. A. Volkova, T. L. Get'man, N. A. [illegible]. Ukr. khim. 30 no. 1 102-106 '64.

Locating the best hybrid orbitals of the central atom MXk-type molecules. A. A. Levin. Zhur. strukt. kh. 5 no. 2:288-292 Mr-Ap '64.

Peculiar features of the structure of π-complexes f[illegible] by ions of d-family and olefins. V. A. Tulupov. Zh. fiz. khim. 38 no. 1:1050-1056 Ap '64.

Some physicochemical properties of aminoacetic acid aqueous solutions. A. IA. Doich, A. B. V[illegible]. Zhur fiz. khim. 38 no. 4:980-983 Ap '64.

Study of complex formation in melts by the method of isomorphic crystallization in the systems PbI_2 - $SrCl_2$ - RbCl and $PbCl_2$ - $SrCl_2$ - CsCl. V. II. Kle[illegible]man, N. S. Kolesnikova. Radiokhimiia 6 no. 1:11-1[illegible] '64.

COMPLEXES

Basic systems of vector cycles with extremum properties in graphs G. F. Stepanets Usp mat nauk [illegible] 2 171-175 Mr-Ap '64

Cohomology groups of uniform spaces. V. I. K[illegible], I. A. Shvedov. Sib. mat. zhur. 5 no. 3:565-595 My-Je '64.

COMPLEXONS

Complex compounds of cerium, yttrium, and [illegible] with some polyaminocarboxylic acids. I. M. B[illegible]. Radiokhimiia 6 no. 2:202-206 '64.

Complexometric determination of bismuth and magnes[illegible] in bicalin tablets. V. V. Bielikov, M. [illegible], S. I. Bolotnykov. Farmatsev. zhur. 15 no. 4:10-14 '60.

Complexometric determination of bismuth in preparations and medicinal mixtures. II. A. Vaisman, [illegible], F. A. Mytchenko. Farmatsev. zhur. 14 no. [illegible] '59.

Electrodeposition of lead dioxide from alkaline complex salt electrolytes. E. A. Dzhafarov. Dokl. AN Azerb. SSR 19 no. 10:31-34 '63.

Fast complexometric method for quantitative determination of sodium sulfate. I. I. Suprun. Farmatsev. zhur. 16 no. 1:28-30 '61.

Konkin, V. D., and V. I. Zhikharova. [Complexometric analysis] Kompleksometricheskii analiz. Izd. 2., pere i dop. Kiev, "Tekhnika," 1964. 255 p.

COMPOSERS, DAGHESTAN

Composers of Daghestan. M. IAkubov. Sov. muz. 27 no. 12:17-21 D '63.

COMPOSERS, ENGLISH

Friends from England. V. Blok. Sov. muz. 27 no. 12 86-87 D '63.

COMPOST

Composting time and the composition of manure. I. M. Sych. Zemledelie 26 no. 2 66-67 F '64

Manure-soil composts as a means of controlling cotton wilt. S. M. Tuponevich, I. Egamov. Agrobiologiia no. 2:254-259 Mr-Ap '64.

Manure-soil composts in Chernozem soils. K. G. Marepin Zemledelie 26 no. 2 64-66 F '64.

Using composts to grow large tea crops K. F. Bakhtadze Agrobiologiia no. 2·260-264 Mr-Ap '64

Using Siberian phosphorites in compost. A. P. K[illegible] Vest. sel'khoz. nauki 9 no. 2:1-4 F '64.

COMPOST—MICROBIOLOGY

Effect of the time of starting the compost pile on the microbiological processes in manure soil composts R. A. Absaliamova. Vest. sel'khoz. nauki 9 no. [illegible] My '64

COMPOUND E see Cortisone

COMPRESSED AIR

Decrease in the expenditure of compressed air in the hammers of a free forging system. B. G. Terekh[illegible] Prom. energ. 17 no. 6.6-8 Je '62.

COMPRESSED AIR—THERAPEUTIC USE

Treatment of postoperative air embolism by increased atmospheric pressure (with summary in English) K. [illegible] Rapoport. Eksp. khir. i anest. 8 no. 5 8-13 S-O '63

COMPRESSED WOOD see Wood, Compressed

COMPRESSIBILITY

Dynamic compressibility of hard rocks and metals S. A. Khristianovich, E. I. Shemiakin. PMTF no. 3:[illegible]-15 My-Je '64.

Calculation of the intake ports of a screw compressor. I. A Sakun, IU I Dimentov. Energomashinostroenie 10 no 2 30-32 F '64

K-100-61-2 centrifugal compressors V. V Arkhipov Energomashinostroenie 10 no 2 48 F '64

Kostenko, E. P. [Operation of piston compressors] Ekspluatatsiia porshnevykh kompressorov. Moskva, Izd-vo "Mashinostroenie," 1964 105 p.

Manual, KRS-30 marine compressor. V. I. Serdinov. Sudostroenie 30 no. 5;34 My '64.

Mobile laboratory for the combined investigation of piston compressor machinery A A Kozobkov, A S Messerman, V. M. Pisarevskii Gaz delo no 2;16-18 '64.

Steam-jet compressor for the Magnitogorsk Metallurgical Combine. M I Bazhenov Trudy MEI no 18 151-158 '63

Testing of the main model of a piston-type nitrogen compressor. M. Z. Rafman Prom. energ. 19 no. 5: 19-22 My '64.

Use of water injection at the inlet of piston compressors to make them more economical. P. I. Voropai, A. G. Serdii. Mash. i neft. obor. no. 8;43-46 '63.

COMPRESSORS—ELECTRIC DRIVING

Direct start of the STM-1500-2 electric motor with a K-250-61-1 compressor. D. S. Mishin, A. P. Puntusov. Energomashinostroenie 10 no. 1:42-44 Ap '64.

COMPRESSORS—TESTING

Stand for testing compressors by the vapor cycle. N. V IAkovlev. Khol. tekh. 41 no. 2;34-35 Mr-Ap '64.

COMPRESSORS—VIBRATION

Vibration of the turbine blades of turbocompressors. R. S. Deich. Energomashinostroenie 10 no. 4 25-27 Ap '64.

COMRADES COURTS

(see also subdivision under Azerbaijan; Estonia; Odessa)

Expanding the jurisdiction of comrades' courts. I Mikhailovskaia Sots zakon 11 no. 3 41-46 Mr '61.

Facing comrades. Sov. profsoiuzy 20 no. 9;33 My '64.

CONCERTS

(see also subdivision under Goteborg, Sweden; Moscow)

Creatively executed. P. Konnova. Sov. muz. 27 no. 12;102-106 D '63.

CONCHOSTRACA, FOSSIL see subdivision under Transbaikalia

CONCRETE

(see also subdivision under Turkmenistan)

Kornilovich, IU. E., and V. I. Belokhvostikova. [Ultrasonics in the technology of concrete] Ul'trazvuk v tekhnologii betona Kiev, Gosstroiizdat USSR, 1964. 56 p.

Lime concrete with a filler of shell limestone. IU. M. Butt and others. Stroi. mat. 10 no. 2;15-17 F '64.

M [illegible] o- [illegible] 46 p.

Nekrasov, K. D., ed. [Heat-resistant concrete] Zharostoikie betony. Moskva, Stroiizdat, 1964. 201 p.

CONCRETE—CORROSION see subdivision under Turkmenistan

CONCRETE—FINISHING

Methods of finishing molded surfaces. A. V. Bolotnyi Stroi. i arkhit. Len. 26 no. 3,20-21 Mr '64.

CONCRETE—TESTING

Study of the stresses on the surface of concrete samples with the aid of optically active coverings and photoelastic transducers. G. L. Khesin, V. N. Sakharov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7,142-147 '63.

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE BLOCKS

Mobile metal mold for manufacturing concrete blocks. Transp. stroi. 14 no. 3;51-52 Mr '64.

CONCRETE BLOCKS—DEFECTS

Ways of preventing defects in the exposed surfaces of silica blocks. K. F. Lomunov, A. I. Mochalov. Stroi. mat. 10 no. 3 21-23 Mr '64.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

(see also subdivision under Bratsk Hydroelectric Power Station)

The D-560 concrete laying machine for concreting irrigation channels. A. IA. Gol'din. Stroi. i dor. mash. 9 no. 3;3-5 Mr '64.

[illegible], I. S., and G. E. Khromchenko. [Cutting holes and grooves in concrete] Probivka otverstii i borozd v betone. Izd. 2. Moskva, Izd-vo "Energiia," 1964. 40 p. (Biblioteka elektromontera, no. 126)

Tanks for bright petroleum products made from strong concrete having large pores K P Chalkin Neft khoz 41 no 6 42-50 Je '63

Using gunite for strengthening underground structures. A. M. Solodov. Nauch. trudy Mosk inst radioelek. i gor elektromekh. no. 47:181-201 '63.

CONCRETE CONSTRUCTION—FORMWORK

Standard metal formwork. B. S. Amurskii. Ugol' Ukr. 8 no. 3;46-47 Mr '64.

CONCRETE DAMS

Analysis of the filtration cycle at the base of the structure of a hydroelectric power station and concrete dam. V V Burenkova Trudy Lab gidr sooruzh VODGEO no 4 164-176 '63

CONCRETE MIXERS—VIBRATION

Zubanov, M. P. [Vibrators for compacting concrete mixes and soils] Vibratsionnye mashiny dlia uplotneniia betonnykh smesei i grunta. 2 izd ispr i dop Pod red N. IA. Kharkhuta Moskva, Izd-vo "Mashinostroenie," 1964 195 p.

CONCRETE PAVEMENTS see Pavements, Concrete

CONCRETE PILING

Use of a surface vibration thickener during the concreting of piling. N. S. Derevianko, L. B. Moizhes, G L. Shelkovich. Transp. stroi. 14 no. 3;50-51 Mr '64.

Vibrated sinking of reinforced concrete piles V T Klimov Mont i spets rab v stroi 26 no 5 16-18 My '61

CONCRETE PRODUCTS

Prizes of the Exhibition of Achievements of the National Economy of the U.S.S.R. for the technology, production, and use of large cementless concrete elements of autoclave hardening. Stroi. mat. 10 no. 2;34 F '64.

CONCRETE REINFORCEMENT

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Practice of using an electrothermal method of tensioning reinforcements] Opyt primeneniia elektrotermicheskogo metoda natiazheniia armatury. Moskva, Gosstroiizdat, 1963. 75 p.

[MICROFILM]

Mikhailov, K. V. [Wire reinforcement for prestressed reinforced concrete] Provolochnaia armatura dlia predvaritel'no napriazhennogo zhelezobetona. Moskva, Stroiizdat, 1964. 180 p.

Sokolovskii, P. I. [Reinforcement steels] Armaturnye stali. Moskva, Izd-vo Metallurgiia, 1964. 207 p.

Study of anchoring longitudinal reinforcement on the outer free support of a beam IU. L. Izotov. Izv. vys. ucheb zav., stroi. i arkhit 6 no. 7;17-25 '63.

CONCRETE REINFORCEMENT—BOND see subdivision under Turkmenistan

CONCRETE SEWERS see Sewers, Concrete

CONCRETIONS see subdivision under Caucasus

CONDENSATE OIL WELLS

Automatic control systems for gas and gas condensate fields. B. N. Bobrovnikov. Mash. i neft. obor. no. 4: 20-24 '64.

Generalizing certain results of investigations of phase transformations of gas condensate mixtures O. F. Khudiakov. Gaz. prom. 9 no. 5;11-15 '64.

CONDENSED MILK see Milk, Condensed

CONDENSERS (ELECTRICITY)

Duplex condenser block with variable capacitance. V Dzhemella Radio no. 5:39-40 My '64.

CONDENSERS (STEAM)

Choice of condenser tube materials. V N. Guliaev, M. E. Luzhnov Teploenergetika 11 no. 3 66-70 Mr '64.

Condensation of steam from a steam-gas mixture. Zh F. Sergazin. Trudy MEI no. 48 75-84 '63.

Experience in the prevention of sediment formation in condensers. E. L Aikhenval'd Elek. sta. 35 no 3: 77-79 Mr '64

Trub, I. A. [Mixing cascade condensers] Kaskadnye kondensatory smesheniia. Moskva, Izd-vo Pishchevaia promyshlennost'," 1964. 94 p.

CONDITIONED RESPONSE

Changes in inorganic and lipoid phosphorus of the blood under the action of pain and conditioned pain stimulation. Z. S. Cherkesian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5;31-35 My '63.

Changes in the bioelectrical activity of the cerebral cortex in man during the generation motor conditioned reactions to time. I. S. Dobronravova. Zhur. vys. nerv. deiat. 14 no. 1:33-39 Ja-F '64.

Changes in the correlations of the orientation and m conditioned reflexes under the effect of atropine. Kostandov. Zhur. vys nerv. deiat. 14 no 2 211-2 Mr-Ap '64.

Changes in the higher nervous activity in dogs follow the administration of noradrenaline. A. S Denisov Zhur. vys. nerv. deiat. 14 no. 1 40-46 Ja-F '64.

Characteristics of the formation of motor reactions unilateral lesion of the cerebral hemispheres. S I Kaidanova, IA A. Meerson. Zhur. vys. nerv. deiat. no. 2:223-228 Mr-Ap '64

Comparative genetic studies on the mobility of the ne ous system in rats with a high degree of sensitivity sound stimuli and in Wistar rats. M. S. Alekseeva, V. I. Elkin, V. K. Fedorov. Zhur. vys. nerv. deiat. no. 1 110-115 Ja-F '64

Comparative physiology of the tonus of higher segme of the brain V IA. Katinas. Zhur. vys. nerv. deiat 14 no. 2,318-325 Mr-Ap '64

Conditioned reflex to a relative intensity of sound i under their isolated action of dogs. IU. IA. Zakher. Zhur. vys. nerv. deiat. 14 no. 2;311-317 Mr-Ap '6

Differentiation of conditioned reflexes to electrical st ulation of various structures of the brain in rabbits. K. A. Iordanis. Zhur. vys. nerv. deiat. 14 no. 1;77- Ja-F '64.

Dynamics of the limits of differential inhibition in va functional states. L. O. Zeval'd. Zhur vys. nerv. de 14 no. 2 263-269 Mr-Ap '64.

Effect of chronic changes in the level of stimulation o unconditioned food center on the dynamics of conditi and unconditioned reflexes in chickens in various st of ontogeny. G. P. Smirnova. Zhur. vys. nerv. deiat. 14 no. 1:116-121 Ja-F '64.

Effect of a prolonged action of high temperature on simultaneous complex conditioned reflexes in dogs. L. M. Sidorova. Zhur. vys. nerv. deiat. 14 no. 1 56-60 Ja-F '64

Effect of a single introduction of radioactive sodium- into the body on the higher nervous activity in dogs. B. I. Shal'nev. Zhur. vys. nerv. deiat. 14 no. 1,61-6 Ja-F '64.

Electroencephalographic characteristics in lesions of diencephalic region and brain stem associated with progressive exophthalmos. S. M. Falikov, V. B. Gel'fand. Zhur. vys. nerv. deiat. 14 no. 2,229-238 Mr- '64.

Electroencephalographic studies of cerebral activity i man during trace and delayed conditioned response. IU. G. Kratin. Zhur. vys. nerv. deiat. 14 no. 1 23-3 Ja-F '64.

Individual variation factors in cerebral biocurrent re actions of rhythmical light stimuli. V. D. Nebylitsyn Zhur. vys. nerv. deiat. 14 no. 2,195-203 Mr-Ap '6

Method of conditional reflexes as a test in sanitary-toxicological investigations S. N Cherkinskii, V N Tugarinova. San. okhr. vod. ot zagr. prom. stoch. vod no. 5;399-400 '62.

Methodology for simultaneous examination of conditio blinking reflexes and the functional state of the card vascular system in man. F. M. Lebedev, M. G. Khei Zhur. vys. nerv deiat. 14 no. 2;364-368 Mr-Ap '6

Methodology for the study of conditioned and uncondit reflexes in animals. E. F Grushevskii. Zhur. vys. nerv. deiat. 14 no. 2 369-373 Mr-Ap '64

On spatial analysis of conditioned sound stimuli and o experimental neurosis caused by the spatial approxi mation of the sources of sound stimulation. M. M. Khananashvili. Zhur. vys. nerv. deiat. 14 no. 2,270 Mr-Ap '64.

Paired activity of the cerebral hemispheres and some aspects of the higher nervous activity in animals. F Airapet'iants, V. L. Bianki. Zhur. vys. nerv. deiat. 14 no. 2 247-262 Mr-Ap '64.

Physiological significance of the sounds of the human voice. P. S. Shpakov. Zhur. vys. nerv. deiat. 14 no 239-246 Mr-Ap '64.

Possibility of applying some indices in the determinat of the nature of the force of an excitation process an the mobility of nervous processes in establishing the nervous system type. E. P. Kokorina. Zhur. vys. ne deiat. 14 no. 1:95-101 Ja-F '64.

Rapid oscillations in the electroencephalogram of dog during the formation of conditioned reflexes. V. N. Dumenko. Zhur. vys. nerv. deiat. 14 no. 2:301-310 Mr-Ap '64.

Results and prospects for the use of some methodologi for physiological research in a psychiatric clinic. N. P. Tatarenko, A. E. Liberman. Zhur. vys. nerv. de 14 no. 2,351-357 Mr-Ap '64.

Role of different areas of the brain in the conditioned behavioral activity. I. S. Beritashvili. Trudy Inst. fiziol. AN Gruz. SSR 13;3-14 '63.

Role of the hippocampus in higher nervous activity. M. A. Nutsubidze. Zhur. vys. nerv. deiat. 14 no. 1: 172-179 Ja-F '64.

Statistical treatment of materials for studying the con ditioned reflex activity of animals in toxicological experiments. V. E. Miklashevskii, V. N. Tugarinova. San. okhr. vod. ot zagr. prom. stoch. vod. no. 5:370-383 '62.

[illegible] 71 [illegible] 14 no. 1 [illegible]

Usp[illegible], IU. N., and others. [Conditioned response [illegible] the effect of psychotropic substances, essays [illegible]] Uslovnorefleklorn, i analiz [illegible] veshchestv, etiudy po psikho-farm[illegible]. Moskva, Meditsina, 1964. 143 p. (DNLM)

CONDUCTING, CHORAL

Ladarheva, E. A. [The chorus and choral conducting, what a leader of an amateur chorus should know] Khor i khorovedenie, chto nuzhno znat' rukovoditeliu samodeiatel'nogo khora. Moskva, Muzyka, 1964. 60 p. (V pomoshch' rukovoditeliam khudozhestvennoi samodeiatel'nosti i prepodovateliam muzyki v obshcheobrazovatel'nykh shkolakh)

CONEFLOWER

Behavior of male gametes in Rudbeckia sullivanti S. N. Movsesian Iz. AN Arm SSR Biol. nauki 16 no. 5 43-47 My '63

CONFECTIONERY
(see also subdivision under Kiev, Leningrad Province)

Competition [illegible] in the enterprises of the baker[illegible] and confectionery industry. A. S. Levina. Khleb. i k[illegible] prom. 7 no. 12 29-30 D '63.

Prokhorov, V. R., and K. G. Rakhmanova. [Design and planning of confectionery enterprises] Proektirovanie konditerskikh predpriiatii. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 335 p.

CONFECTIONERY—EQUIPMENT AND SUPPLIES
(see also subdivision under France)

Investigating the possibility of using film evaporators for the boiling down of confectionery masses. M. M. Latsh[illegible] and others. Khleb i kond. prom. 7 no. 12 14-16 D '63

Mechanization of operations in the production of chocolate masses. I. I. Korman, I. M. Svarichevskii. Khleb i kond. prom. 7 no. 12-33 D '63.

[illegible] for the manufacture of confectionery goods. M. N. Serebriakov. Khleb. i kond. prom. 7 no. 12 36 D '63.

Small air conditioner for continuous candy production lines. S. A Rapoport, Z. A Agas'iants Khol. tekh. 41 no. 2 48-50 Mr-Ap '64

Using a refrigerating freon unit with immediate evaporation batteries at an icing machine. A. N. Daurskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh inform. 17 no. 4.55-57 Ap '64.

CONFECTIONERY—STANDARDS

[Confectionery products; testing methods] Konditerskie izdeliia; metody ispytanii. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 75 p. (SSSR. Gosudarstvennye standarty)

CONFORMAL MAPPING

Approximate conformal mapping of singly connected domains. A. I. Kalandiia. Sib. mat. zhur. 5 no. 3: 717-720 My-Je '64

Conformal mappings of a multiply connected region onto multivalent canonical surfaces IU. E Alenitsyn. Izv AN SSSR. Ser. mat 28 no. 3 607-644 My-Je '64

Continuation of mappings onto extensions having certain special properties. A. V. Zarelua. Sib. mat. zhur. 5 no. 3:532-548 My-Je '64.

A sewing problem. M. A. Lavrent'ev. Sib. mat. zhur. 5 no. 3:603-607 My-Je '64.

Theory of mappings of three-dimensional regions. M. A. Lavrent'ev. Sib. mat. zhur. 5 no. 3:596-602 My-Je '64.

CONGO (BRAZZAVILLE)—POLITICS AND GOVERNMENT

Problems facing Brazzaville; an interview with Charles Ganao Nov vrem 21 no 13 16-17 Mr '64

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

War in Kivu V S Nov vrem 21 no 23 12 Je '64.

CONGRUENCES (GEOMETRY)

Geometric properties of a conjugate set of four pertaining to a sequence of Calapso transformations of five stratifiable pairs. A. M. Berezman. Uch. zap. MGPI no. 208 66-75 '63.

Special type of orthogonal pairs of T-congruences. O. S. Redozubova. Uch. zap. MGPI no. 208:190-196 '63.

Special type of pairs of T-congruences. O. S. Redozubova. Uch. zap. MGPI no. 208:177-189 '63.

CONGRUENCES AND RESIDUES

A class of congruences of spheres. V. A. Tikhonov. Sib. mat. zhur. 5 no. 3:724-726 My-Je '64.

CONIFERAE

Propagation of some exotic conifers by cuttings. Z. K. Kostevich. Biul. Glav. bot. sada no. 53:44-47 '64.

ate and bicarbonate. IA. M. Paushkin, A. F. Lunin, O. IU Omarov. Vysokom. soed 6 no. 4:734-736 Ap '64

CONSCIOUSNESS

Kuz'min, V. F. [Philosophical category of consciousness and present-day science] Filosofskaia kategoriia soznaniia i sovremennaia nauka. [n. p.] Vysshaia shkola, 1964. 128 p.

Relation of the objective and the subjective in the theory of knowledge V A Lektorskii Vop filos 18 no 5 21-34 '64

CONSERVATISM see subdivision under United States

CONSERVATORIES OF MUSIC—CURRICULA

Indispensable radical changes. L. Mazel! Sov. muz. 27 no. 12:30-33 D '63.

CONSTANTINE II, KING OF THE HELLENES, 1940-

Constantine II Nov vrem 21 no 13 18 Mr '64.

CONSTRUCTION EQUIPMENT
(see also subdivision under Moscow)

Decisions of the December Plenum of the Central Committee of the CPSU and the tasks of construction and road machinery building. Stroi. i dor. mash. 9 no. 3:1-2 Mr '64.

Feigin, L. A. [Operating construction equipment and increasing its efficiency] Ekspluatatsiia stroitel'nykh mashin i povyshenie ikh proizvoditel'nosti. Moskva, Stroiizdat, 1964. 206 p.

Gal'perin, A. I. [Construction and assembly machines and mechanisms for building gas and petroleum pipelines] Montazhno-stroitel'nye mashiny i mekhanizmy dlia sooruzheniia magistral'nykh gazonefteprovodov. Moskva, Nedra, 1964. 356 p.

Karklins, P., and I Lejnieks. [Structural elements] Buvkonstrukcijas. Riga, Latvijas Valsts izd-ba. [In Latvian]
Vol. 1. 1963. 436 p.

New machinery. Stroi. i dor mash. 9 no. 5:35-37 My '64.

Production capacity of assembling mechanisms S. IU Rabinovich, P A Tarushkin Mont i spets rab v stroi 26 no 5 9-11 My '64

Skorobogatov, S. V., and V. V. Kukol'. [Mining and construction machinery] Gornoprokhodcheskie i stroitel'nye mashiny. Moskva, Izd-vo "Nedra," 1964. 292 p.

Technical information. Stroi. i arkhit. Len 26 no. 3: 28-29 Mr '64

Zhgun, V. P., and L. V. Kim. [Equipment used for assembling and methods of assembling; practices of the Main Construction Administration of the City of Leningrad] Montazhnye prisposobleniia i priemy montazha; iz opyta Glavleningradstroia. Leningrad, Stroiizdat, 1964. 63 p.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Construction equipment and road machinery] Ref. zhur.: Stroi. i dor. mash. no. 6 Je '64.

CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

CONSTRUCTION INDUSTRY
(see also subdivision under Moldavia; Moscow)

Brief news. Transp. stroi. 14 no. 3:62-63 Mr '64.

Calculating flow parameters in planning the erection of multistory industrial buildings. R. I. Fokov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7:48-56 '63.

In the Council of Technology and Economics of the State Committee for Assembly and Specialized Operations in the U. S. S. R. B. A. Khokhlov Mont i spets. rab v stroi 26 no. 5.30-31 My '64

In the State Committee for Assembly and Specialized Operations in the U. S. S. R. Mont. i spets. rab. v stroi. 26 no 5.30 My '64.

Influence on the period of construction flow of alternating installations and changing the duration of private flows. V. N. Vylev. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7:57-66 '63.

Kaplan, L. M., and L. L. Shapiro. [Operation and production planning in construction and assembling organizations] Operativno-proizvodstvennoe planirovanie v stroitel'no-montazhnykh organizatsiiakh. Leningrad, Stroiizdat, 1964. 170 p.

Molchanov, A. N., IU. N. Rakhmanov, and M. Kh. Lapidus. [Crediting and payment in construction; a practical guide] Kreditovanie i raschety v stroitel'stve; prakticheskoe posobie. Moskva, Izd-vo "Finansy," 1964. 166 p.

News reports. B. D. Malyshev. Mont. i spets. rab. v stroi 26 no. 5.31-32 My '64.

Promoting and introducing advanced practices are important means of increasing labor productivity. Mont. i spets rab v stroi 26 no. 5:1-3 My '64.

construction. A. Berg. Bukhg. uchet 21 no. 4 22 25 Ap '64.

The balance sheet method of accounting for materials in construction. L. Kislenko. Bukhg. uchet 21 no. 4 58-59 Ap '64

Improve accounting in a construction trust. V. Il'iashevich. Bukhg. uchet 21 no. 4:56-57 Ap '64.

Kochnev, V. A., A. A Krakovich, and G. P. Chuikevich. [Estimation on finished structural work] Raschety za zakonchennuiu stroitel'nuiu produktsiiu. Leningrad, Stroiizdat, 1964. 53 p.

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—COSTS

The end product of construction and its cost. V. A. IAmashev. Vest. Mosk. un. Ser. 8: Ekon., filos. 19 no. 2:38-47 Mr-Ap '64.

CONSTRUCTION INDUSTRY—FINANCE

Feiberg, A. S. [Economic work of the Construction Bank, the Bank and the economics of construction] Ekonomicheskaia rabota Stroibanka; bank i ekonomika stroitel'stva. Moskva, Izd-vo "Finansy," 1964. 175 p.

It is important to assure the maximum effectiveness of capital investments. A. I. Dain. Stroi. mat. 10 no. 3 16-18 Mr '64.

Kuperman, IA. M. [Circulating capital and production stocks of construction organizations] Oborotnye sredstva i proizvodstvennye zapasy stroitel'nykh organizatsii. Moskva, Ekonomika, 1964. 106 p. (V pomoshch' ekonomistu i planoviku)

CONSTRUCTION INDUSTRY—PRODUCTION METHODS

Some problems of improving economical work in construction. IU. A. Avdeev. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no 7:37-47 '63.

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Using work schedules as a method for establishing [illegible] for unfinished construction. M Gurevich, I. [illegible] Plan. khoz. 41 no 6 44-48 Je '64.

CONSTRUCTION INDUSTRY—STATISTICS

D'iachkov, M. F. [Statistical problems of production in construction] Voprosy statistiki produktsii stroitel'stva. Moskva, Statistika, 1964. 110 p.

CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Improving vocational qualifications of engineers and technical personnel by correspondence. L. D. Stel'makh Sred spets obr. 11 no 4:26-30 Ap '64

Let's train the active builders for communism A. P. Fominykh. Sred spets. obr. 11 no. 4 40-42 Ap '64

CONSUMER RATIONING see Rationing, Consumer

CONSUMPTION (ECONOMICS)

Akademiia nauk SSSR. Otdelenie ekonomiki. Nauchnyi sovet po problemam tsenoobrazovaniia. [Accounting for the consumer properties of production in price determination; materials of the Second Enlarged Session of the Academic Council for Problems of Price Determination, March 26-30, 1963] Uchet potrebitel'skikh svoistv produktsii v tsenoobrazovanii; materialy vtoroi rasshirennoi sessii Nauchnogo soveta po problemam tsenoobrazovaniia (26-30 marta 1963 g.). Pod red. V. P. D'iachenko. Moskva, Izd-vo "Nauka," 1964. 326 p.

Economic nature and the source of public consumption funds. M. Kh. Toknov. Vest. Mosk. un. Ser. 8: Ekon., filos. 19 no. 2:3-14 Mr-Ap '64.

CONTAINERS

Container for the transportation of loose and powdered materials. F. E. Kostianko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5 56-57 My '64.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. no. 6 Je '64.

CONTINUOUS CASTING

Causes of the appearance of hot cracks during the continuous casting of highly resistant alloy ingots. E. D. Zakharov and others. Alium. splavy no. 3:349-363 '64

Changes of crystallization conditions during the continuous casting of ingots. E. D. Zakharov. Alium. splavy no. 3: 339-348 '64.

Nonuniformity in continuously cast ingots and its effect on the quality of semifinished products. E. D. Zakharov and others. Alium. splavy no. 3:371-382 '64.

CONTINUOUS CASTING—COSTS

Efficiency of the continuous casting of transformer steel. V. A. Rozhkov. Sbor. trud. Otd. tekh.-ekon. issl. TSNIICHM no. 1:59-62 '63.

[illegible] Moskva, Meditsina, 1964. [illegible] p.

CONTRAST MEDIA

[illegible]

CONVALLATOXIN

[illegible]

CONVALLATOXOL

[illegible]

CONVERGENCE

[illegible]

CONVEX BODIES

[illegible]

CONVEYING MACHINERY

[illegible]

CONVEYING MACHINERY—DESIGN AND CONSTRUCTION

[illegible]

CONVULSIONS

[illegible]

COOK, JAMES, 1728-1779

Svet, IA. M. [Navigator from Foggy Albion (James Cook)] Moreplavatel' iz tumannogo Al'biona (Dzheims Kuk). Moskva, Geografgiz, 1963. 78 p. (Zamechatel'nye geografy i puteshestvenniki)

COOKERY, ARMENIAN

[Armenian cookery] Armianskaia kulinariia. Erevan, Armianskoe gos. izd-vo, 1963. [illegible] p. (In Armenian)

COOLING

[illegible]

COOLING TOWERS—CORROSION

[illegible]

COOPERATION see subdivision under Great Britain

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES

[illegible]

COOPERATIVE SOCIETIES—ACCOUNTING

[illegible]

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

[illegible]

COORDINATION COMPOUNDS

[illegible]

[illegible] see subdivision under Latvia

COPEPODA—ANATOMY

[illegible]

COPPER

[illegible]

COPPER—ABSORPTION SPECTRA

[illegible]

COPPER—ANALYSIS

[illegible]

COPPER—ELECTROMETALLURGY

[illegible]

COPPER—METALLURGY

[illegible]

COPPER—PHYSIOLOGICAL EFFECT

[illegible]

COPPER—TESTING

[illegible]

COPPER ALLOYS

[illegible]

COPPER ALLOYS—METALLOGRAPHY

[illegible]

The role of lead in copper alloys. [illegible], V.V. [illegible] Trudy Inst. [illegible] AN Kazakh. SSR [illegible]

COPPER-ALUMINUM-LITHIUM ALLOYS see Aluminum-copper-lithium alloys

COPPER-ALUMINUM-MAGNESIUM ALLOYS see Aluminum-copper-magnesium alloys

[illegible]

COPPER CATALYSTS

Chaltykian, O.A. [Copper catalysis] Kuprokataliz. Erevan, Armgosizdat, 1963. [illegible] p.

COPPER COMPOUNDS

[illegible]

COPPER INDUSTRY—HYGIENIC ASPECTS see subdivision under Sverdlovsk

COPPER MINES AND MINING see subdivision under Kadzharan (Armenia); Kafan (Armenia)

COPPER-NICKEL ALLOYS—SPECTRA

[illegible]

COPPER ORES
(see also subdivision under Armenia; Transcaucasia; Ural Mountains)

[illegible]

COPPER ORGANIC COMPOUNDS

[illegible]

COPPER OXIDES

[illegible]

COPPER-PALLADIUM ALLOYS—METALLOGRAPHY

[illegible]

COPPER SALTS

[illegible]

COPPER SALTS—SPECTRA

[illegible]

COPPER-TIN ALLOYS—HARDENING

[illegible]

COPPER-ZINC ALLOYS—TESTING

[illegible]

COPYING PROCESSES

[illegible]

COR PULMONALE

[illegible]

CORALS, FOSSIL
(see also subdivision under Pamirs; Russia, Asiatic)

Dobrolyubova, T.A., N.V. Kabakovich, and I.I. Chudinova. [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] p. illus. [illegible]

Dubatolov, V.N., and N.IA. Spasskii. [Stratigraphic and geographic outline of Devonian corals in the U.S.S.R.] Stratigraficheskii i geograficheskii obzor devonskikh korallov SSSR. Moskva, Izd-vo "Nauka," 1964. 138 p. illus.

CORE DRILLING—ELECTRONIC EQUIPMENT

Automated electric drive of a [illegible]. I.A. Alter and others. [illegible]

[illegible] V. P. [illegible] Mash i neft obor no 5 [illegible]

CORIANDER

[illegible] essential oil of coriander. [illegible] Farmatsev. zhur. [illegible]

[illegible] teristics of coriander [illegible] R V Makarova [illegible] 11 [illegible] 3,30-3 [illegible]

CORN (MAIZE)

(see also subdivision under Kabardino-Balkar A. S. S. R., Kakhovka, Kherson Province; Krasnodar Territory, Kuban, Ukraine)

[illegible] "[illegible]," State Farm S Mel'nikov [illegible] 3 33-60 My '64

[illegible] forage beans. F. V. Voronkova [illegible] 2 43-43 F '64.

[illegible] flour with the separation of the [illegible] A. Danilin, G. Bordyshev. [illegible] 30 no. 6 27-31 Je '64.

[illegible] of the accumulation and consump- [illegible] corn sterile forms [illegible] V I Zaishlyi Vest sel'- [illegible] nauki [illegible] no 4 23-33 Ap '64

[illegible] of corn silage with proteins [illegible] sel'khoz nauki 9 no 5 19-23 My [illegible]

Using wide-range aggregates in planting corn M [illegible], P Moiseev Ekon sel'khoz 35 no. 5 61-63 My '64

[illegible] the development of new forms in corn [illegible] self-pollination. A T. Seischaev. Vest. sel'khoz. [illegible] [illegible] 7 no. 4 45-50 Ap '64.

CORN (MAIZE)—ANALYSIS

[illegible] of corn seeds by the use of 2, 3, [illegible] chloride. A P. Prokhorova, [illegible] Trud. VNIIZ no. 47 [illegible] '63.

Nitrogen composition of the bleeding sap of corn plants bacterized with Azotobacter strains of various effectiveness V F Shil'nikova Dokl TSKHA no 84 280-286 '63

CORN (MAIZE)—DISEASES AND PESTS see subdivision under Kursk Province

CORN (MAIZE)—DRYING

[illegible] by the use of turbojet engines [illegible], H. P. Perrov, S. M. Miagkova, Trudy VNIIZ no 47 15-31 '63.

CORN (MAIZE)—FERTILIZERS AND MANURES

(see also subdivision under Ukraine)

Accumulation of nitrogen by forage beans in mixed sowing with corn as related to the conditions of nutrition M. M Gukova, R I Bogomolova Dokl TSKHA no 84 168-173 '63

[illegible] of fertilizers in soils deficient in magnesium. [illegible] Vest, sel'khoz. nauki 9 no [illegible] 2-9 F '64

Methods of the placement of mineral fertilizers for corn. V. A Manasian. Vest. sel'khoz. nauki 9 no. 2,10-11 F '64

CORN (MAIZE)—HARVESTING

Power requirements in the process of the mechanized harvesting of corn for silage L P Kartashov, V A [illegible] Vest sel'khoz nauki 9 no 5 74-76 My '64

Semimounted cleaner of corn cobs. R. G. Shamsutdinov. Biul. tekh.-ekon. inform. Gos. nauch.-issl inst. nauch. i tekh inform. 17 no 5 49-51 My '64.

CORN (MAIZE)—IRRIGATION

(see also subdivision under Kazakhstan)

[illegible] of nitrogen nutrition in the formation of corn tassels [illegible] under conditions of various water supply [with summaries in English, German, and French]. N.I. [illegible]skii, N.G Sykalo. Vest. sel'khoz. nauki 8 no [illegible] 35-41 S '63

CORN (MAIZE)—STORAGE

Os'kin, A. I. [Technology of corn harvesting with the remodeled SK-3 and SK-4 combines, its postharvest processing and storage] Tekhnologiia uborki kukuruzy pereoborudovannymi kombainami SK-3 i SK-4, ee posleuborochnaia obrabotka i khranenie zerna. Moskva, Biuro tekhn. informatsii i reklamy, 1963. 57 p. (DNAL)

CORN AS FEED

(see also subdivision under Altai Territory)

Corn silage in summer fattening of young cattle. I. I. Semak, N. I Mosolov, V. IA. Maksakov. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol 32:9-14 '62.

Using corn silage in summer feeding of cows. G. I. Pasechnik. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32 5-9 '62.

Using sugar beets during the finishing and fattening of cattle with corn silage. I. L. Semak, N. I. Mosolov. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32: 29-32 '62.

i Pol. 32 15-18 '62.

CORN BREEDING

Early corn sowing for breeding purposes. F. M. Pankratova Vest. sel'khoz. nauki 9 no. 2 42-41 F '64.

CORN PICKING MACHINERY

Os'kin, A. I. [Technology of corn harvesting with the remodeled SK-3 and SK-4 combines, its postharvest processing and storage] Tekhnologiia uborki kukuruzy pereoborudovannymi kombainami SK-3 i SK-4, ee posleuborochnaia obrabotka i khranenie zerna. Moskva, Biuro tekhn. informatsii i reklamy, 1963. 57 p. (DNAL)

Planetary multiroller ear snapping apparatus V V Derevenko, L S Popov, E. I. Kozlov Trakt. i sel'khozmash. no. 5 21-22 My '64.

CORN PRODUCTS

(see also subdivision under Kamenka, Penza Province)

Use of corn extract in the yeast industry. O. A Hokushinskaia. Khleb. i kond. prom. 7 no. 12:3-4 D '63.

CORNEA

Effect of ultrasonic waves on the ability of the skin to transform into the cornea. V. V. Popov, T. A. Pavlova. Vest. Mosk. un. Ser. 6: Biol., pochv 17 no 6:10-19 N-D '62.

CORNEA—DISEASES

Effect of cortisone on the course of herpetic keratitis in rabbits. N. N. Nosik Vop. med. virus. no. 6,286-292 '59.

Effectiveness of the prophylactic activity of the specific gamma globulin in the vaccine keratitis of irradiated and nonirradiated rabbits. L A Kamalian, Zh. TS. Vartevanian. Vop. radiobiol [AN Arm SSR] 3/4:53-57 '63.

CORONA (ELECTRICITY)

Corona power and energy losses in a 500 kv. line. V D. Kravchenko, V. I. Levitov, V. I Popkov. Elektrichestvo no. 5:7-12 My '64

Study of corona losses in an experimental span of an overhead power transmission line in the climate of Tashkent. K. P. Morozov, S. A. Askarkhodzhaev Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 1:16-22 '64.

CORONARY VESSELS

Presence of a specific protein with the coronary dilating property in the hypothalamus. A A Galoian. Dokl. AN Arm. SSR 38 no. 5 305-308 '64.

CORRELATION (STATISTICS)

Correlation analysis and linear programming in planning and analytical work in mines. V. B. Sivyi, V. V. Nezhentsev, V. N. Liashenko. Ugol' Ukr. 8 no. 1:26-30 Ja '64.

Practice in correlating the peneplanation of the globe. D A Timofeev Izv AN SSSR Ser geog no 3 14-23 '64.

Using mathematical methods in evaluating the specialized physical training of athletes V M. Zatsiorskii, M A. Godik, D N IArmul'nik Teor i prak fiz kul't 27 no 2 33-37 F '64

CORRESPONDENCE SCHOOLS AND COURSES

Combining work and study. Mor. flot 24 no. 3:5 Mr '64.

Organization of groups at the enterprises. I. A. Senina. Sred. spets. obr. 11 no. 5,33-34 My '64.

CORROSION AND ANTICORROSIVES

Anticorrosion measures in the shops of coke-oven gas purification by monoethylamines. V. V. Bondar, A V. Melamed, R. Kh. Starobinskia. Khim. prom. [Ukr.] no. 4:73-75 O-D '63.

Determination of the activation energy of formation of hydrogen oxide and hydrogen peroxide in the atmospheric corrosion of Mg and Al. I. L Roikh, I. P. Bolotich, L. N. Koltunova. Zhur. fiz khim. 36 no 9:2052-2054 S '62.

Effect of oxygen on the protective action of acid corrosion inhibitors in hydrochloric acid. N. I. Podobaev, F. K. Kurbanov. Teploenergetika 11 no. 4.73-75 Ap '64.

Effect of the composition of fuel ashes on the vanadium corrosion of metals. R. A. Lipshtein and others. Teploenergetika 11 no. 4:42-44 Ap '64.

Present status of anticorrosion protection of gas pipelines. G. S Kesel'man. Gaz. delo no. 2:24-29 '64.

Preservation of ferrous metals. L. L. Zusman. Sbor. trud. Otd. tekh.-ekon. issl. TSNIICHM no. 1:79-86 '63.

Role of the microbiological factor in the increase of the corrosive aggresiveness of mine waters of the Kizel coal basin [with summary in English]. V. V. Smirnov. Mikrobiologiia 32 no. 4:695-699 Jl-Ag '63.

Tkhorzhevskii, V. P., and I. G. Perevezentsev. [Design of instruments for countries with a tropical climate] Konstruirovanie priborov dlia stran s tropicheskim klimatom. Izd. 2., perer. i dop. Moskva, Izd-vo Mashinostroenie, 1964. 199 p.

Diatlova, V. N. [Corrosion resistance of metals and alloys, a handbook] Korrozionnaia stoikost' metallov i splavov, spravochnik. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 350 p.

CORROSION-RESISTANT MATERIALS

Additive VNII NP-III protects diesel [illegible] ment against corrosion. N Khomenko. [illegible] no. 3:15 Mr '64.

CORTICOSTEROIDS see Adrenocortical hormones

CORTISONE

ACTH and corticosteroid hormones in the treatment of eczema in nursing infants and young children [with summary in English] M. I [illegible] 37 no. 9 29-31 S '63

Effect of cortisone and adrenocorticotropic [illegible] oxygen consumption by irradiated [illegible] D. Kh. Garibian. Vop. radiobiol. [AN Arm SSR] 3/4: 145-150 '63.

Effect of cortisone on the course of herpetic keratitis [illegible] rabbits. N. N. Nosik. Vop. med. virus. [illegible] '59.

Effect of large doses of cortisone on [illegible] Borovitskaia and others. Dokl. AN SSSR [illegible] 932-933 Je '64.

CORUNDUM

Kinetics of corundum caking. L. V. Degtiarev, L. S. Kolmarskii. Dokl. AN SSSR 156 no. 4 [illegible] Je '64

CORUNDUM—THERMAL PROPERTIES

Enthalpy and heat capacity of corundum up to a temperature of about 2000° K. A. E. Sheindlin, V. IA. [illegible]skoi, V A. Petrov. Izv. [illegible] My '64

CORUNDUM—THERMODYNAMICS

Thermodynamic properties of corundum as a standard substance in calorimetry. V. IA. [illegible] fiz. vys. temp. 2 no. 2:296-301 Mr-Ap '64

CORYNEBACTERIUM—CULTURES AND CULTURE MEDIA

Change in the pH during the period of growth and [illegible] formation of the diphtheria bacillus [illegible] mentation in the culture medium with different quantities of glucose [illegible] Zhidkova [illegible] no 5 73-76 '60

Effect of different quantities of glucose on [illegible] by the diphtheria microbe [illegible] Zhid[illegible] IEG no. 5:77-81 '60

COSMIC PHYSICS

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Astrofizikas laboratorija [Cosmic rays] Kosmiskie tiekšmi. Riga, Latvijas PSR Zinatnu [illegible] izd-ba, 1963. 74 p. [In Latvian]

COSMIC PHYSICS—STUDY AND TEACHING

School on cosmic physics at Alma-Ata. [illegible]chenko. Vest. AN SSSR 34 no. 5:139-141 [illegible]

COSMIC RAYS

Analyzing the asymmetry of the angular distribution of shower particles. L. A. Sen'ko, P. A Usik. [illegible] Kazakh. SSR. Ser. fiz.-mat. nauk no. [illegible]

Calculating the fluctuations in the total number of electrons in extensive air showers. L. G. Dedenko. Zhur. eksp. i teor. fiz. 46 no. 5:1859-1864 My '64.

Determining the total number of nuclear-active particles in extensive air showers containing from [illegible] particles. T. V. Danilova, E. V. Denisov, S. I. [illegible] Zhur. eksp. i teor. fiz. 46 no. 5:1561-1577 My '64

Energy spectrum and the total number of X-ray photons in extensive cosmic ray air showers. G. A. [illegible] A. F. Krasotkin, A. N. Charakhch'ian. Zhur. eksp. i teor. fiz. 46 no. 5:1550-1560 My '64.

Gamma rays and X rays related to galactic and metagalactic cosmic rays. V. L. Ginzburg, S. I Syrovatskii. Zhur. eksp. i teor. fiz. 46 no. 5:1865-1870 My '64.

Intensity fluctuations of cosmic rays in the atmosphere due to solar processes A. N. Charakhch'ian. Usp. fiz. nauk 83 no. 1:35-62 My '64.

Secondary electron component of cosmic rays and the spectrum of general galactic radio emission. V. L. Ginzburg, S. I. Syrovatskii. Astron. zhur. 41 no. 3 430-445 My-Je '64.

Study of the composition of primary cosmic radiation from fluctuations of Cherenkov light in extensive air showers. N. M. Nesterova, S. I. Nikol'skii. Zhur. eksp. i teor. fiz. 46 no. 5:1906-1911 My '64.

Study of "young" high-energy electron-photon air showers Kh. P. Babaian and others. Zhur. eksp. i teor. fiz. 46 no. 5:1525-1539 My '64.

COSMIC RAYS—PHYSIOLOGICAL EFFECT

Basic trends in studying the biological action of cosmic radiation and in developing means for radiation protection. V. V. Antipov, N. N. Dobrov, P. P. Saksonov Probl. kosm. biol. 3:113-124 '64.

[illegible]

COSMOLOGY

[illegible]

COSSACKS

[illegible]

COST ACCOUNTING

[illegible]

[illegible]

[illegible]

COTTON

[illegible]

COTTON BREEDING

[illegible]

COTTON GROWING
(see also subdivision under: Azerbaijan, Fergana Province, Kara-Kalpak ... Soviet Central Asia, Uzbekistan)

[illegible]

COTTON GROWING — LABOR PRODUCTIVITY see subdivision under Azerbaijan

COTTON MACHINERY — FAMILY MANAGEMENT

[illegible]

COTTON PICKING MACHINERY

[illegible]

COTTON TRADE see subdivision under Azerbaijan

COTTONSEED
see also subdivision under Uzbekistan

[illegible]

[illegible]

[illegible]

COURTS — OFFICIALS AND EMPLOYEES

[illegible]

COXIELLA
(see also subdivision under Kazakhstan)

[illegible]

CRAB FISHERIES

[illegible]

CRACKING PROCESS

[illegible]

CRANES, LIFTING, ETC.

[illegible]

..., V. I., and V. A. Fedotov. [Weight-lifting rail cranes; design, operation and repair] ... Moskva, Transzheldorizdat, 1961 ... p.

[illegible]

Cranes. ... [Instruction for crane operators on the safe operation of motor, rubber tired, rail and crawler cranes] ... Kiev, Gostekhizdat USSR, 1961 31 p.

[illegible] nadzoru. [Instructions for [illegible] followers on the safe servicing of loading [illegible] cranes] Instruktsiia dlia stropal'shchikov (zatsepshchikov) po bezopasnomu obsluzhivaniiu gruzopod"emnykh kranov. Kiev, Gostekhizdat USSR, 1964 17 p.

[illegible] spars and stacking piles [illegible] V.I. [illegible] Der.prom. 13 [illegible]

CRANES, DERRICKS, ETC.—EQUIPMENT AND SUPPLIES

[illegible] cables for heavy cranes. [illegible] Biul. tekh.-ekon. inform. Gos. nauch.-[illegible] tekh. inform. [illegible] no.5 11-12 My [illegible]

CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Moscow. Nauchno-issledovatel'skii institut organizatsii i mekhanizatsii stroitel'nogo proizvodstva. [Album on the technical maintenance of the LAZ-690 motor crane] Al'bom tekhnicheskogo obsluzhivaniia avtokrana LAZ-690. Moskva, Stroiizdat, 1964. 110 p.

[illegible] for repairing grab-bucket cranes using a rail [illegible] L. A. [illegible] Energetik 12 no.5 22-23 My [illegible]

CRANES, DERRICKS, ETC.—SAFETY MEASURES

Al'perovich, A. I. [Safety manual for the assembler of construction tower cranes] Pamiatka po tekhnike bezopasnosti dlia montazhnika stroitel'nykh bashennykh kranov. Izd 2., perer. i dop. Moskva, Stroiizdat, 1964 46 p (Tekhnika bezopasnosti v stroitel'stve)

CRANIOLOGY see subdivision under Tsimlyansk Reservoir region

CRAWLER TRACTORS

Driven friction rings from plastic materials. S. Popov. Tekh. v sel'khoz. 24 no.3:78-80 Mr '64

CRAYFISH see subdivision under Lithuania

CREASE-RESISTANT FABRICS—TESTING

Studying the crease resistance of shirt fabrics. G.F. Pugachevskii. Izv. vys. ucheb. zav., tekh. leg. prom. no.2 32-37 '64.

CREATINEPHOSPHORIC ACID

Changes in the distribution of the components of the adenylic system and creatine phosphate during the distension of muscles. A.I. Dolidze. Trudy Inst. fiziol. AN Gruz SSR 13:215-218 '63

CREATIVE ACTIVITIES AND SEAT WORK

How to entertain a child at home. V. Butlugina. Doshk. vosp. 36 no.12:62-65 D '63.

Work training. V Nechaeva Doshk. vosp. 36 no.12: 15-21 D '63.

CREDIT

Molchanov, A. N., IU. N. Rakhmanov, and M. Kh. Lapidus. [Crediting and payment in construction; a practical guide] Kreditovanie i raschety v stroitel'stve, prakticheskoe posobie. Moskva, Izd-vo "Finansy," 1964. 166 p.

Skorokhodov, S. A. [Developing credit for the domestic trade of the U.S.S.R.] Razvitie kreditovaniia vnutrennei torgovli SSSR. [Leningrad] Izd-vo Leningr. univ., 1964 159 p.

CREEP OF CONCRETE

Effect of the scale factor on the creep of concrete due to compression or tension. K.S. Karapetian. Dokl. AN Arm. SSR 38 no 3 135-142 '64.

CREEP OF MATERIALS

Approximate analysis of unsteady creep of plates and shells. V.I. Rozenblium. Issl. po uprug. i plast. no. 3: 88-95 '64.

Bulging of casing pipes under conditions of creep. N.I. IAgubov. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 3:113-115 '64.

Dislocation theory of the initial stage of deformation in Ge single crystals. V.G. Govorkov and others. Fiz. tver. tela 6 no. 4 1039-1047 Ap '64.

A hardening parameter N E Vilesova, V.S. Namestnikov PMTF no 3 177-179 My-Je '64

Nauchno-koordinatsionnoe soveshchanie po voprosam polzuchesti, Moscow, 1962. [Creep of building materials and structural elements] Polzuchest' stroitel'nykh materialov i konstruktsii. Pod red. A.R. Rzhanitsyna. Moskva, Stroiizdat, 1964. 289 p.

Theory of anisotropic creep. N I. Malinin PMTF no 3: 16-23 My-Je '64

CREEP OF METALS

Simulation of the creep of T-tails of turbine blades. I.I. Bugakov, V.P. Smirnova, S.P. Shikhobalov. Issl. po uprug. i plast. no. 3:192-207 '64.

Time of fracture under the action of a liquid-metal medium. L.M. Kachanov. Issl. po uprug. i plast. no. 3:225-231 '64.

[illegible] Dokl. AN SSSR [illegible] no 4 [illegible] 230 Ap '64

CREEP OF PLASTICS

Leningrad TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Stress-rupture strength and creep of glass-reinforced plastics for use as shipbuilding material] Dlitel'naia prochnost' i polzuchest' stekloplastikov kak sudostroitel'nykh materialov. Leningrad, Izd-vo "Morskoi transport," 1963. 92 p. (Its Trudy, no. 53)

CRESOL

Alkenylation of m-cresol with isoprene on the KU-2 cation-exchange resin. V.I. Isaguliants, V.P. Evstaf'ev. Dokl. AN Arm. SSR 38 no. 4:235-238 '64.

Physicochemical study of binary systems formed by acetamide and cresols. I.M. Bokhovkin. Zhur. ob. khim. 34 no.3:718-722 Mr '64.

CRETE—WORLD WAR, 1939-1945

Incident on Crete. A Orlov Voen.-ist. zhur 5 no.5 115-120 My '63

CRIME AND CRIMINALS

Disclosing the causes and conditions leading to thefts in the course of criminal investigation Z Baranova, V Bratkovskaia Sots zakon. 41 no 3 61-63 Mr '64.

CRIME AND CRIMINALS—IDENTIFICATION

Moscow. Vsesoiuznyi iuridicheskii zaochnyi institut. [Criminalistics] Kriminalistika. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 543 p.

CRIME AND CRIMINALS—RESEARCH

Activities of the All-Union Institute for the Study of Causes of Criminality and Methods of Crime Prevention. Sov. gos. i pravo 34 no. 6.136 Je '64.

CRIME PREVENTION

Activities of the All-Union Institute for the Study of Causes of Criminality and Methods of Crime Prevention Sov. gos. i pravo 34 no. 6.136 Je '64.

Ivanov, V. A. [The role of prosecutorial supervision in crime fighting; textbook for evening and correspondence divisions in the course "Prosecutorial supervision in the U.S.S.R."] Prokurorskii nadzor v bor'be s prestupnost'iu; uchebnoe posobie dlia studentov vechernego i zaochnogo otdelenii po kursu "Prokurorskii nadzor v SSSR." [Leningrad] Izd-vo Leningr. univ., 1964. 62 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov)

Methods of crime prevention work among juveniles. N D'iachkov, E. Smorodinskaia, S. Ostroumov Sots. zakon 41 no 3:26-29 Mr '64

Party organs and the consolidation of public order. S Grachev. Part zhizn' no.10:8-13 My '64

Theoretical bases in developing crime prevention methods. V.G. Tanasevich. Sov. gos. i pravo 34 no. 6:86-96 Je '64.

Urgent problems facing the further strengthening of the socialist legal order. V.I. Laputin. Sov. gos. i pravo 34 no. 6:3-11 Je '64.

Work on strengthening law observance should be done in intimate contact with the community. A Evdokimenko. Sots. zakon 41 no. 3:30-33 Mr '64.

CRIMEA—AGRICULTURAL WAGES

Everybody became an economist. I. Timoshchenkov. Sov. profsoiuzy 20 no 11 22-24 Je '64

CRIMEA—BENTONITE

Fields of application of Crimean bentonites in the national economy. L.A. Sushyts'kyi, N.V. Ptitsyna, E.P. Tereshchuk. Khim. prom. [Ukr.] no.4:33-35 O-D '63.

CRIMEA—CELESTITE

Celestite crystals from the recent sediments in the lakes of the Sivash region (Crimea). V.G. Plavshudin. Zap. Vses. min. ob-va 93 no 2:207-209 '64.

CRIMEA—CHEMICAL INDUSTRIES

[Contribution of the chemical workers of the Crimea to the national economy, a collection] Khimiki Kryma - narodnomu khoziaistvu; sbornik. Simferopol', Krymizdat, 1963. 66 p.

CRIMEA—DAIRYING

Daily accounting for the results of competition. V. Drozhchanyi Sov. profsoiuzy 20 no. 11:25-26 Je '64

CRIMEA—DRUGSTORES

Pharmacy in the Crimea during the past 40 years. Kh. M. Radovil's'kyi, B.S. Fridman. Farmatsev. zhur. 16 no. 4:52-56 '61.

CRIMEA—FOREST ECOLOGY

Oak forest-steppe vegetation in the southern part of the Bessarabian Upland and its relation to the Crimea. V.N. Kononov. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:127-133 '62.

illus.)

CRIMEA—GEOLOGY, STRATIGRAPHIC

Lower Cretaceous sediments of the [illegible] Kamenetskii. Trudy VNIGNI no. 38 [illegible] '63

Volume of the Coniacian stage in the Crimea. A. [illegible] Mulika. Dop. AN URSR no. 5 616-6[illegible]

CRIMEA—GEOLOGY, STRUCTURAL

Structural-geomorphological analysis of the relief [illegible] the Tarkhankut-Novoselovka hilly plain [illegible] Steppes. L. P. Polkanova, S.I. [illegible] nefti i gaza 8 no.4:20-21 Ap '64.

Tectonics of the Crimean plain. A. E. [illegible] VNIGNI no. 38:44-61 '63.

CRIMEA—GEOMORPHOLOGY

Manifestation of recent anticlinal [illegible] of the Crimean Steppes. I. I. [illegible] Mosk. un. Ser. 5: Geog. 19 no. [illegible] '64.

Structural-geomorphological analysis of the relief [illegible] the Tarkhankut-Novoselovka hilly plain of the [illegible] Steppes. L. P. Polkanova, S.I [illegible] nefti i gaza 8 no.4:20-21 Ap '64.

CRIMEA—PEAR

Pyrus elaeagrifolia as a possible graft stock for [illegible] L. A. Ershov. Agrobiologiia no.2:311-31[illegible] Mr-[illegible] '64.

CRIMEA—PIPSISSEWA

Finds of the wintergreen Chimaphila umbellata (L.) Nutt. in the Crimea. P. S. Koplun[illegible]skii. [illegible] 49 no.2:251-253 F '64.

CRIMEA—VEGETABLE GARDENING—TECHNOLOGICAL INNOVATIONS

In order to make use of the innovation. V. [illegible] Sov profsoiuzy 20 no 11:27 Je '64

CRIMEA—VEGETABLES—FERTILIZERS AND MANURES

Organic-mineral fertilizers as an important [illegible] for increasing the yield of early vegetables. [illegible] Kapelov. Agrobiologiia no. 2:207-209 Mr-Ap '64

CRIMEA—WORLD WAR, 1939-1945

Days and nights of attack. I. Strel'bitskii. [illegible] 40 no. 4:5-6 Ap '64.

CRIMEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

The Black Sea Fleet in the struggle for the [illegible] the Crimea. V. IAkovlev. Voen.-ist. zhur. [illegible] 3-16 My '64.

CRIMEAN MOUNTAINS—ORE DEPOSITS

Some comparative characteristics of igneous activity and the metallogeny related to it in the Crimean Mountains and Soviet Carpathians. V. I. Lebedinskii. [illegible] razm. polezn. iskop. 7:361-365 '64.

CRIMEAN MOUNTAINS—ROCKS, IGNEOUS

Some comparative characteristics of igneous activity and the metallogeny related to it in the Crimean Mountains and Soviet Carpathians. V. I. Lebedinskii [illegible] razm. polezn. iskop. 7:364-365 '64.

CRIMINAL INVESTIGATION

(see also subdivision under Kirov, Kalinin Province, Leningrad)

Analysis of the performance of an investigator and investigation planning. E.A. Prianishnikov. Uch. zap. VIIUN no.17:155-167 '63.

Kovriga, Z. F. [Investigation by the organs of the police] Doznanie v organakh militsii. Pod red. V.E. Chugunova. Voronezh, Izd-vo VGU, 1964. 51 p.

Let's enhance the role of prosecutorial supervision of law observance in criminal investigation. N. [illegible] Sots. zakon. 41 no. 3:11-17 Mr '64

Moscow. Vsesoiuznyi iuridicheskii zaochnyi institut. [Criminalistics] Kriminalistika. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 543 p.

CRIMINAL LAW see subdivision under Germany, West

CRIMINAL LAW—QUESTIONS AND ANSWERS

Domakhin, S. A., and A. I. Santalov. [Criminal law in questions; textbook for students] Sbornik zadach po ugolovnomu pravu; uchebnoe posobie dlia studentov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 236 p.

CRIMINAL PROCEDURE

(see also subdivision under Poland; Ukraine)

Analysis of the performance of an investigator and investigation planning. E.A. Prianishnikov. Uch. zap. VIIUN no.17:155-167 '63.

Checking evidence at the locality of the crime S Grachev. Sots. zakon. 41 no. 3:64-66 Mr '64.

Participation of the public in court examination of criminal cases. P. Verbovetskii, M. Lokhanov Sots. zakon. 41 no. 3:72 Mr '64.

[illegible] of the Supreme Court of the U.S.S.R. in criminal procedure matters, 1946–1962] Sbornik postanovlenii Plenuma i opredelenii kollegii Verkhovnogo suda SSSR po ugolovnym delam, 1946–1962 gg. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 331 p.

CROATIA—[illegible]

[illegible]

CROATIA—HISTORY

[illegible]

CROATIA—[illegible]

[illegible]

[illegible]

[illegible]

[illegible] see [illegible] Central Asia [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CRUSTACEA

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CRYSTAL LATTICES

[illegible]

[illegible]

Law of [illegible] dispersal in lattice bands of diamond-type crystals for asymmetrical directions. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CRYSTAL OPTICS

[illegible]

[illegible]

CRYSTAL [illegible]

[illegible]

CRYSTALLIZATION

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Mal'tsev, M. V. [Modifying the structure of metals and alloys] Modifitsirovanie struktury metallov i splavov. Moskva, Izd-vo "Metallurgiia," 1964. 213 p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CRYSTALLOGRAPHY

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Possible superstructures in [illegible] the rows of atoms [illegible] Zhur. strukt. khim. [illegible] Mr-Ap '64.

Projection of crystallographic [illegible]

Role of [illegible]

Structure of [illegible] Zhur. strukt. khim. 5 no. 2 [illegible] Mr-Ap '64.

CRYSTALLOGRAPHY—CONGRESSES

Methods of structural analysis at the Sixth International Congress of Crystallography. Zhur. strukt. khim. [illegible] Mr-Ap '64.

CRYSTALS

[illegible] method of [illegible] crystals. [illegible] Ap '64.

[illegible]

[illegible] of the method of [illegible] Ap '64.

CRYSTALS—DEFECTS

[illegible]

[illegible]

CRYSTALS—GROWTH

[illegible]

[illegible]

CRYSTALS—SPECTRA

[illegible]

CUBA—CULTURE—BIBLIOGRAPHY

[illegible]

CUBA—FOREIGN ECONOMIC RELATIONS—COMMUNIST COUNTRIES

"Five years of the Cuban revolution." Reviewed by V. V. Andrianov. [illegible]

CUBA—FOREIGN RELATIONS—RUSSIA

The fifth anniversary of the Republic of Cuba; a scholarly conference. [illegible]

CUBA—FOREIGN RELATIONS—UNITED STATES

[illegible]

CUBA—HISTORIOGRAPHY

[illegible]

CUBA—HISTORY

The fifth anniversary of the Republic of Cuba; a scholarly conference. [illegible]

CUBA—PETROLEUM INDUSTRY

[illegible]

CUBA—POLITICS AND GOVERNMENT

"Five years of the Cuban revolution." Reviewed by V. V. Andrianov. [illegible] no. 1:40-43 '64.

CUBA—PRESS

Glazov, V. B. [The press of Cuba, 1959–1963] Pechat' Kuby (1959–1963 gg.) [Moskva] Izd-vo Mosk. univ., 1964. 58 p.

CUBA—SPORTS

Organization of the physical education and national sports of Cuba. [illegible] Teor. i prak. fiz. kul't. 27 no. 3:[illegible] '64.

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS

Basic parameters of [illegible] and soil [illegible] with [illegible] in English, German, and French. V. V. [illegible]. Vest. sel'khoz. nauki 9 no. [illegible] '64.

Wheat cultivator. [illegible]. Trakt. i sel'khozmash. 34 no. [illegible] My '64.

Matveev, V.S.Moromov, G.IA.Volchenkov. Trudy MIIT no.176 34-52 '63.

CUMBERLAND DISEASE see Anthrax

CUMENE

Self-oxidation of triisopropylbenzene. D K Tolopko, M.M.Prokopets. Dokl LPI 5 no.1/2 34-36 '63.

Synthesis of the hydroperoxides of halo derivatives of isopropylbenzene and the study of their thermal decomposition rate. M I Dikii, T.I.IUrzhenko. Dokl. LPI 5 no.1/2 15-19 '63.

CUMULENES

Electronic structure and properties of cumulated systems. Part 3: Effects of interelectron interaction in organic cumulenes. E M Shustorovich Zhur.strukt.khim. 5 no.2:325-329 Mr-Ap '64.

CUPFERRON

Separation of rare-earth elements into subgroups by means of cupferron M. A Tishchenko, R.S. Lauer, N S Poluektov Ukr.khim zhur 30 no.4 390-395 '64

CURIE, MARIE (SKLODOWSKA), 1867-1934

Noteworthy dates in science and technology. Shkola i proizv. 6 no.6 94-96 Je '64.

CURVES

Curves of second order in plane parabolic geometry. N.M.Makarova. Uch.zap.MGPI no.208:222-251 '63.

Introduction of invariant connectivities on the curves of an n-dimensional projective space. L.S.Atanasian. Uch.zap.MGPI no.208 48-65 '63.

Mechanisms for drawing parabolic and hyperbolic curves I I Artobolevskii Dokl AN SSSR 156 no.5 1049-1052 Je '64

Theory of curves and hypersurfaces in a space with a degenerate absolute. I N. Migaleva. Uch.zap.MGPI no.208:252-261 '63.

CURVES, ALGEBRAIC

Classification of two-dimensional vector bundles over the algebraic curve of arbitrary type A N Tiurin Izv AN SSSR Ser mat 28 no 1 21-52 Ja-F '64

CUT FLOWERS

Delaying the fading of cut tulips. E.V.Belynskaia. Biul.Glav.bot.sada no.53:47-52 '64.

CUTTING MACHINES

Automatic pipe cutter M P Postovalov Mont i spets rab v stroi 26 no 5 24-25 My '64

Usanov, P.A. [Handbook for a trimming machine operator] Posobie stanochniku obreznogo stanka. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 33 p.

CUTTING MACHINES—SAFETY MEASURES

Bondin, IU.N. [Safety manual for the operation of power-driven rollers, power shears, and punch presses] Pamiatka po tekhnike bezopasnosti pri rabote na pravil'nykh val'tsakh, privodnykh nozhnitsakh i dyroprobivnykh pressakh. Moskva, Stroiizdat, 1964 33 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

CYANIDES

Setting up hygienic standards for the sanitary protection of bodies of water against a combined action of small doses of cyanides and mercury. V.G.Lappo. San. okhr.vod.ot zagr.prom.stoch.vod no.5 361-365 '62.

Synthesis of complex vanadium cyanides and their reducing capacities. K.N.Mikhalevich, V.V.Kobzev. Dokl.LPI 5 no.1/2 124-126 '63.

CYANINE DYES

Benzoxazolylbenzimidazoles and cyanine dyes obtained from them. V.M.Zubarovskii, R.N.Moskaleva, M.P. Bachurina. Ukr.khim.zhur. 30 no.1,80-82 '64.

Cyanine dyes from 2-methylacenaphtheno-4',5':4,5-thiazole. A.V.Stetsenko, L.I.Kravets. Ukr.khim. zhur. 30 no.1,75-80 '64.

CYANOCOBALAMINE

Effect of ionizing radiation on the vitamin B_{12} concentration in white mice. M.O.Pogosian. Vop.radiobiol. [AN Arm.SSR] 3/4:159-163 '63.

Effect of vitamin B_{12} on the growth and development of caterpillars and the manifestation of jaundice in mulberry silkworms. O.N Mamedniiazov and others. Izv AN Turk.SSR.Ser.biol.nauk no.2 30-34 '64.

Method of assaying vitamin B_{12} in seawater. A.T. Suprunov, Z.A.Muravskaia. Trudy SBS 16:463-466 '63.

Restoration of myoneural connections following skeletal muscle trauma in mammals after administration of vitamin B_{12} and the combined action of vitamin B_{12} and thyroidin [with summary in English]. T.M.Kovalenko. Arkh.anat.,gist.i embr. 44 no 5:68-74 My '63.

Vitamin B_{12} synthesis by Actinomyces olivaceus in a synthetic medium in the presence of 5,6-dimethyl benzimidazole [with summary in English]. V.N. Shaposhnikov, I.V.Konova, A.I.Borisova. Mikrobiologiia 32 no.4:598-602 Jl-Ag '63.

the electron transition of the red system of cyanogen bands. E.F.Gippius and others. Teplofiz.vys.temp. 2 no.2 181-187 Mr-Ap '64

CYBERNETICS

Amosov, N.M [Regulation of vital functions and cybernetics] Reguliatsiia zhiznennykh funktsii i kibernetika. Kiev, Izd-vo "Naukova dumka," 1964. 113 p. (Nauchno-populiarnaia literatura)

Cybernetic approach to the image problem L M Vekker, M G IAroshevskii Vop filos 18 no 5 173-177 '64

Kaasik, U., and A.Oja. [Principal trends in cybernetics] Kuberneetika pohisuundadest. Tallinn, Eesti Riiklik Kirjastus, 1963. 36 p. (Kosmosesajandil) [In Estonian]

Reflection and the progress of technical cybernetics. V.A.Skorobogatov. Uch.zap.kaf.obshchestv.nauk vuz g Len.; Filos. no 5:194-210 '64.

What is possible and impossible in cybernetics E Ovcharenko Radio no 5 62 My '64

CYCLIZATION see Ring formation (Chemistry)

CYCLOALKANES

Isothermal cross sections of the cyclanes - water systems. A.N.Guseva, E.I Parnov. Vest.Mosk.un.Ser. 2 Khim. 19 no.1:77-78 Ja-F '64.

Synthesis of vinyl-substituted cyclane hydrocarbons. S.D.Mekhtiev, Sh.G.Sadykhov, V.A.Soldatova. Dokl. AN Azerb.SSR 19 no.10:19-24 '63.

CYCLODODECANE

By-products of the liquid-phase oxidation of cyclododecane with molecular oxygen in the presence of boric acid V V.Kamzolkin and others Neftekhimiia 4 no 1 96-99 Ja-F '64.

CYCLOHEXADIENE

Catalytic synthesis of cyclohexadiene-1,3 and methylcyclopentadiene E D Tulupova, N I Shuikin, E.G Ostapenko Neftekhimiia 4 no 1 6-10 Ja-F '64

Kinetics of $TiCl_4$-induced polymerization of 1,3-cyclohexadiene in benzene solution. B.V.Erofeev, S.F Naumova, T.P.Maksimova. Vysokom.soed. 6 no.4: 716-721 Ap '64

CYCLOHEXANE

Alkylation of α-chloromethyl alkyl ethers by cyclohexane S D Mekhtiev and others Dokl AN Azerb SSR 20 no 2 15-19 '64

Experimental basis for standardizing the concentration of nitrocyclohexane in bodies of water. V.A.Savelova, B.V.Russkikh. San.okhr.vod.ot zagr.prom.stoch.vod no.5 348-355 '62.

Experimental basis for the permissible concentration of cyclohexanol in bodies of water. V.A.Savelova and others. San.okhr.vod.ot zagr.prom.stoch.vod. no.5: 78-93 '62.

Experimental basis for the permissible concentrations of chloronitrosocyclohexane and dichlorocyclohexane in bodies of water. IA.I.Kostovetskii and others. San. okhr.vod.ot zagr.prom.stoch.vod. no.5:94-106 '62.

Granulated hexachlorocyclohexane in the control of wireworms A.V.Ponomarenko and others. Zashch. rast.ot vred.i bol. 8 no.10 18-19 O '63.

Hexachloran in the control of the strawberry mite Stenotarsonemus pallidus. V.N.Korchagin, I.A. Ermolaeva. Zashch.rast.ot vred.i bol. 8 no.10 22-23 O '63.

Hydrogenolysis of cyclohexane with the formation of n-hexane at atmospheric pressure. A.L.Liberman, O.V.Bragin, B.A.Kazanskii. Dokl.AN SSSR 156 no.5: 1114-1117 Je '64.

Spectroscopic study of the conformation of some cyclohexane derivatives. F A.Mamedov, I G.Ismailzade. Dokl.AN Azerb.SSR 20 no.2:21-25 '64.

Testing of the NBKG-17 hexachloran smoke pots in the control of the tick Ixodes persulcatus, carrier of encephalitis. N.N.Gorchakovskaia and others. Vop. med.virus. no.6,151-156 '59.

CYCLOHEXANEDIONE

Interaction of sulfochlorides with dimedon. G.T.Esaian and others. Dokl.AN Arm.SSR 38 no.5,301-304 '64.

CYCLOHEXENE

Synthesis of certain derivatives of the ester oxides of Δ^3-cyclohexene carboxylic acid L.A.Mukhamedova, G V Lepliavin, M I.Kudriavtseva. Neftekhimiia 4 no.1 100-105 Ja-F '64

CYCLONES

(see also subdivision under Arctic regions)

Conditions favoring the development of cyclones in the upper troposphere. E.S.Il'inova. Trudy Sred.-Az. nauch.-issl.gidrometeor.inst. no.10:24-34 '63.

Contribution of vertical movements to the evolution of cyclones and anticyclones. N.I.Pavlov. Meteor.i gidrol. no.5:49-50 My '64.

Free oscillations of the earth's rotational axis and the Iceland minimum of atmospheric pressure. I.V.Maksimov. Probl.Arkt.i Antarkt. no.16:13-26 '64.

[illegible]
E.M Treivus Dokl AN Azerb.SSR 20 no.2 '64.

New monocyclopentadienyl compounds of titaniu Razuvaev and others. Dokl. AN SSSR 156 no 1123 Je '64.

Paramagnetic properties of polycyclopentadiene Lapshin, N.I.Ovcharenko, M.L.Khidekel'. Z strukt.khim. 5 no.2:305-307 Mr-Ap '64.

Substituted cyclopentadienes and related compo Report No.11: 1,2,3-trimethylcyclopentadiene Mironov and others. Izv.AN SSSR.Ser.khim. 864-875 My '64.

Substituted cyclopentadienes and related compo Report No.12: Equilibrium mixture of 1,2-an methylcyclopentadienes. V.A.Mironov, S.N. A.N.Elizarova Izv.AN SSSR.Ser.khim. no My '64.

CYCLOPENTANE

Hydrogenolysis of cyclopentane hydrocarbons in presence of platinum deposited on aluminum o I.V.Gostunskaia, Go Chiu-fyn (Kuo Ch'iu-fing Kazanskii. Izv.AN SSSR.Ser.khim. no.5, '64.

CYCLOPENTANEDIONE—ABSORPTION SPECTR

Ultraviolet absorption spectra of 1,3-cyclopentan E.IA.Gren, G.IA.Vanag. Zhur.ob.khim. 34 812-817 Mr '64.

CYCLOPENTENE

Dehydrogenation of 1-methyl-1-cyclopentene in th of oxide catalysts. N.I.Shuikin, [illegible] Erivanskaia. Izv.AN SSSR.Ser.khim. no.5: My '64.

CYCLOPENTENEDIONE—ABSORPTION SPECTR

Ultraviolet absorption spectra of 4-cyclopentene 3-diones. Part 1. E.IA.Gren, G.IA.Vanag. khim. 34 no.3:817-823 Mr '64.

Ultraviolet absorption spectra of 4-cyclopentene 3-diones. Part 2. E.IA.Gren, G.IA.Vanag. Z khim. 34 no.3:823-828 Mr '64.

CYCLOPROPANE

Reactions of carbenes with diene, enyne, and dy systems. Part 1: Reactions of dichloro-, dibr and carbethoxycarbenes with 2-methyl-1-penten I.A.D'iakonov, L.P.Danilkina. Zhur.ob.khim. no.3:738-740 Mr '64

CYCLOTRON

Longitudinal stability of a charged beam in quasi stationary processes in cyclic accelerators. [illegible] Zhur.tekh.fiz. 34 no.2: [illegible]

CYCLOTRON RESONANCE

Electromagnetic excitation in metals near cyclotr resonance. E.A.Kaner, V.G.Skobov. Fiz.tver 6 no.4:1104-1114 Ap '64.

CYDNIDAE

True bugs of the genus Canthophorus Muls. et R teroptera, Cydnidae) in the fauna of the U.S.S. Asanova. Ent.oboz. 43 no.1: [illegible] '64.

CYLINDERS

Efficient design of cylindrical parts subjected to h internal pressures. [illegible] Vest.ma str. 44 no.5:9-13 My '64.

CYLINDERS—THERMAL PROPERTIES

Solutions of the differential equation of heat cond for a hollow cylinder under boundary condition first and third kinds. N.IU.Taits, A.S.Kadunas Inzh.-fiz.zhur. 7 no.5:88-91 My '64

CYLINDERS—WELDING

Okerblom, N.O. [Engineering and technological of welded structures] Konstruktivno-tekhnologich proektirovanie svarnykh konstruktsii. Moskva, "Mashinostroenie," 1964. 418 p.

CYLINDROSPORIUM see subdivision under Azerba

CYSTINE

Induction of catalase and cystine desulfurase activ transplanted mouse hepatoma under the effect of nucleoprotein isolated from the normal liver. V. Shapot, S.IA.Davydova, G.A.Drozdova. Vop.me khim. 9 no.1:102-104 Ja-F '63.

CYSTS

Dzhavad-Zade, M.D. [Polycystic diseases of the neys; clinical aspects and treatment] Polikistoz klinika i lechenie. Moskva, Meditsina, 1964. 24 (DNLM)

CYTOCHROME OXIDASE

Distribution of cytochrome oxidase and mitochondr differential cellular formations of the cutaneous motor analyzers in some mammals. F.L.Tamas Zhur.vys.nerv.deiat. 14 no.1:148-154 Ja-F '

Materials on histochemical study of dehydrases and cytochrome oxydase in cancerous tissue. N.T.R Vop.onk. 8 no.9:37-44 '62.

[illegible]

CYTOLOGY

"Lines, cells, and [illegible]" [illegible] Reviewed by [illegible] [illegible]

CYTOLOGIC DRUGS

[illegible]

[illegible]

CZECH DRAMA - HISTORY AND CRITICISM

[illegible]

CZECH SCHOLARS see Scholars, Czech

CZECH SCIENTISTS see Scientists, Czech

CZECHOSLOVAKIA - AIRPLANES

[illegible]

CZECHOSLOVAKIA - ARMY

[illegible]

CZECHOSLOVAKIA - BIBLIOGRAPHY

[illegible]

CZECHOSLOVAKIA - [illegible] HOSPITALS

[illegible]

CZECHOSLOVAKIA - ECONOMIC CONDITIONS

[illegible]

CZECHOSLOVAKIA - ECONOMIC [illegible]

[illegible]

CZECHOSLOVAKIA - EDUCATION, [illegible]

[illegible]

CZECHOSLOVAKIA - [illegible]

[illegible]

CZECHOSLOVAKIA - FOREIGN ECONOMIC RELATIONS - [illegible]

[illegible]

CZECHOSLOVAKIA - FOREIGN RELATIONS - RUSSIA

[illegible]

CZECHOSLOVAKIA - [illegible]

[illegible]

[illegible]

CZECHOSLOVAKIA - HISTORY

[illegible]

CZECHOSLOVAKIA - INDUSTRIAL ORGANIZATION

[illegible]

CZECHOSLOVAKIA - MINIATURE ELECTRONIC EQUIPMENT

[illegible]

CZECHOSLOVAKIA - [illegible]

[illegible]

CZECHOSLOVAKIA - [illegible]

[illegible]

CZECHOSLOVAKIA - RELATIONS (GENERAL) WITH RUSSIA

[illegible]

[illegible] [Study of the supply and demand of the population. Translated from the Czech] Izuchenie potrebleniia i sprosa naseleniia. Moskva, [Izd-vo "Statistika,"] 1964. 320 p.

CZECHOSLOVAKIA - TECHNOLOGY - INFORMATION SERVICES

"Technical information in Czechoslovakia" by [illegible] [illegible]

CZECHOSLOVAKIA - YOUTH

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

DAGHESTAN CLAY

[illegible]

DAGHESTAN CLAY - ANALYSIS

[illegible]

DAGHESTAN COLLECTIVE FARMS

[illegible]

DAGHESTAN CULTURE

[illegible] [Role of the Red Army in the economic and cultural construction in Daghestan (1920-1923)] [illegible] Makhachkala, Dagestanskii filial Akad. nauk SSSR, 1964. 131 p.

DAGHESTAN ECONOMIC CONDITIONS

[illegible] [Role of the Red Army in the economic and cultural construction in Daghestan (1920-1923)] [illegible] Dagestanskii filial Akad. nauk SSSR, 1964. 131 p.

DAGHESTAN FOLDS (GEOLOGY)

[illegible] [Types and formation of folds in the [illegible] part of Daghestan] [illegible] Moskva, Izd-vo "Nauka," 1964. 167 p.

DAGHESTAN FRUIT CULTURE

[illegible]

DAGHESTAN GAS, NATURAL - GEOLOGY

[illegible]

DAGHESTAN - HISTORY - BIBLIOGRAPHY

[illegible] [Daghestan in Soviet historical literature] [illegible] Makhachkala, Dagestanskii filial AN SSSR, [illegible]

DAGHESTAN - MEDICINE, RURAL

[illegible]

DAGHESTAN - PETROLEUM GEOLOGY

[illegible] of the Tertiary [illegible]

[illegible]

DAGHESTAN - SOCIAL LIFE AND CUSTOMS

[illegible] [Legends and facts; from the notebooks of an historian] [illegible] Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 143 p.

DAGHESTAN - STATE FARMS

[illegible]

Permissible depth of ground water under fruit plantings in connection with its mineralization. [illegible] Izv. AN Azerb. SSR Ser. biol. i med. nauk no. 1:[illegible] '64.

DAGHESTAN COMPOSERS see Composers, Daghestan

DAIRY BARNS

[Loose housing of cattle] Besprivíaznoe soderzhanie skota, sbornik statei. Moskva, Sel'khozizdat, 1963. 309 p.
(DNAL)

DAIRY CATTLE see subdivision under Semipalatinsk Province

DAIRY CATTLE - FEEDING AND FEEDS see subdivision under Ukraine

DAIRY CATTLE BREEDING

Theoretical suppositions proved to be correct. [illegible] Agrobiologiia no. 3:[illegible] My-Je '64.

DAIRY INDUSTRY

Use of polymer materials in the dairy industry. [illegible] [illegible] 17 no. 2:[illegible] '64.

DAIRY INDUSTRY - ACCOUNTING

"Analysis of the [illegible] of meat and dairy industry enterprises" by [illegible] Reviewed by [illegible] [illegible] Ap '64.

DAIRY PLANTS

Dudenkov, A. IA. [Receiving and processing milk in primary enterprises] Priemka i pererabotka moloka na pervichnykh predpriiatiiakh. Izd. 2., [illegible] Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 110 p.

DAIRYING

(see also subdivision under Crimea)

Davidov, R. B. [Milk and dairying] Moloko i molochnoe delo. Izd. 3., perer. i dop. Moskva, Izd-vo "Kolos," 1964. 327 p. [illegible]
(DNAL)

DAIRYING - ECONOMIC ASPECTS see subdivision under Latvia

DAIRYING - EQUIPMENT AND SUPPLIES

Tsekulina, A. A. [Effectiveness of mechanization in dairy husbandry] Effektivnost' mekhanizatsii v molochnom zhivotnovodstve. Moskva, Izd-vo "Kolos," 1964. 319 p.
(DNAL)

DAMAGES

[illegible]

DAMS

(see also subdivision under Krasnoyarsk Hydroelectric Power Station, Sayan-Shushenskoye Hydroelectric Power Station, [illegible] Hydroelectric Power Station, Yakutia)

Calculating the stressed state of a gravity dam with a large opening. [illegible] no. 11:[illegible] '64.

[illegible] of gravelly soils and problems of [illegible] rock fill under great stress. [illegible] Trudy Lab. gidr. [illegible] no. 4:[illegible] '64.

[illegible]

Determining pore pressure in slightly pervious soils in the body of a dam during the process of their consolidation. A. A. [illegible] Trudy Lab. gidr. [illegible] no. 4:[illegible] '63.

Efficiency of drainage installations in nonuniform media according to the water permeability of the foundations of concrete dams. [illegible] Vop. fil'tr. rasch. gidr. soor. no. 4:130-141 '64.

Fixing the height of the dumping of rock for the arrangement of rock fill. V. A. Meister, IA. Zhurek. Trudy Lab. gidr. [illegible] no. 4:[illegible] '63.

Protection of the slopes of earth dams. A. P. Kurlatov. [illegible] no. 2:[illegible] '64.

Resistance of rock fill to displacement. L. N. Rasskazov. Trudy Lab. gidr. [illegible] no. 4:[illegible] '63.

Shaktri, S. M. [Calculation of surface conditions behind combined hydroelectric power stations and dams with ledges] Raschet poverkhnostnykh rezhimov za sovmeshchennymi gidroelektrostantsiiami i plotinami s ustupom. Moskva, 1961. 126 p. (Moscow. Energeticheskii institut. Trudy. Seriia: Gidroenergetika, no. 2)

Some problems of field studies of high rock-fill dams. [illegible] Trudy Lab. gidr. [illegible] no. 4:77-[illegible] '63.

[illegible] of strength, shear resistance, and deformability of the rock foundations of high concrete dams in the U.S.S.R. [illegible] Gidr. stroi. [illegible] Ap '64.

Study of the ... of multilayer elements under the protective covering of slopes. V. S. Shaitan. Trudy Lab gidr sooruzh VODGEO no 4 208-223 '63
Using single-layer elements under the covering of earth slopes. V. S. Shaitan. Trudy Lab gidr sooruzh VODGEO no 4 197-207 '63

DAMS—CONGRESSES
Eighth Congress of the International Commission on Large Dams. Gidr stroi 34 no 4 1-2 Ap '64

DAMS—DESIGN AND CONSTRUCTION
Junction of tailwaters of freely falling currents. G. M. Zviagin. Izv. vys ucheb zav; stroi. i arkhit. 6 no 7: 81-90 '63

DANCERS—CORRESPONDENCE, REMINISCENCES, ETC.
Vecheslova, T. M. [I'm a ballerina] IA - balerina. Leningrad, Iskusstvo, 1964. 270 p.

DANCING
Eiche, A., comp. [Five dances] Viis tantsu. Tallinn, Eesti NSV Rahvaloomingu Maja. [In Estonian]
Pt. 3. 1963. 73 p.
Vasil'eva-Rozhdestvenskaia, M. V. [The historical popular dance] Istoriko-bytovoi tanets. Moskva, Izd-vo "Iskusstvo," 1963. 389 p.

DANILEVSKAIA, EKATERINA DMITRIEVNA, 1892-
Anniversaries. Vest. derm. i ven. 37 no. 6.93 Je '63.

DANUBE VALLEY—UKRAINIANS
Ukrainian colonization of the Lower Danube Valley from the last quarter of the 18th century to the early 19th century. A. D. Pachins'kyi. Ukr. ist. zhur. 8 no. 2: 97-101 Mr-Ap '64.

DARKLING BEETLES
Intraspecific forms of Adesmia fischeri Fald 1837 (Coleoptera, Tenebrionidae) A. V. Bogachev. Ent. oboz. 43 no. 1 175-179 '64.

DARVAZ—GEOLOGY, STRATIGRAPHIC
Stratigraphy of the Upper Cretaceous sediments of southwestern Darvaz. M. R. Dzhalilov. Trudy Inst. geol. AN Tadzh. SSR 7 50-117 '63.

DARWIN SHOAL OIL FIELD—OIL SANDS—PERMEABILITY
Method for determining the permeability of oil-bearing rocks from data on the specific resistance. A. A. IAkubov, R. M. Kerimov. Izv. vys. ucheb. zav., neft' i gaz 7 no 3 11-14 '64

DARWIN SHOAL OIL FIELD—OIL WELL LOGGING, ELECTRIC
Method for determining the permeability of oil-bearing rocks from data on the specific resistance. A. A. IAkubov, R. M. Kerimov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3 11-14 '64.

DAR'YAL GORGE—AMPHIBOLITE
Genesis of amphibolites and ultrabasic rocks of the Dar'yal massif. D. M. Shengelia. Soob AN Gruz SSR 30 no 3 305-310 Mr '63

DAR'YAL GORGE—ROCKS, IGNEOUS
Genesis of amphibolites and ultrabasic rocks of the Dar'yal massif. D. M. Shengelia. Soob AN Gruz SSR 30 no 3 305-310 Mr '63

DATURA
Studies on the alkaloid content of seeds in some Datura species. T. V. Zinchenko. Farmatsev zhur. 16 no. 4: 35-40 '61

DAUGAVPILS (LATVIA)—FACTORIES
Solov'ev, A. [People above all] Pats galvenais - cilveki. [Riga, Latvijas Valsts izd-ba, 1964. 153 p. [In Latvian]

DAUGAVPILS (LATVIA)—TEXTILE FIBERS, SYNTHETIC
High tension. L. Dubnov. NTO 6 no. 3.55-57 Mr '64.

DAUGAVPILS REGION (LATVIA)—DODDER
Dodder retreats. IA. P. Rutkovskii. Zashch. rast. ot vred. i bol. 9 no. 5:51 '64.

DAY NURSERIES
Role of nurseries and kindergartens in the treatment of children with pruritic dermatoses. G. E. Kuprits. Vest. derm. i ven. 37 no. 6:56-60 Je '63.

DEAF—MEANS OF COMMUNICATION
Vygodskaia, G. L., and B. D. Korsunskaia, eds. [Development of speech in deaf preschool children, work according to the new program] Formirovanie rechi u glukhikh doshkol'nikov, iz opyta raboty po novoi programme. Moskva, Prosveshchenie, 1964. 86 p. (Pedagogicheskie chteniia)
Zikeev, A. G., K. G. Korovin, and L. I. Tigranova, eds. [Teaching children with defective hearing] Opyt obucheniia slaboslyshashchikh detei. Moskva, Prosveshchenie, 1964. 54 p. (Pedagogicheskie chteniia)

DEATH IN LITERATURE
Akademiia nauk SSSR. Institut russkoi literatury. [Tales on the controversy between life and death] Povesti o spore zhizni i smerti. Issledovanie i podgotovka tekstov R. P. Dmitrievoi. Moskva, Izd-vo "Nauka," 1964. 211 p.

DECABORANE
Anomalous reaction of phenylpropiolic acid chloride with diacetonitrile decaborane. L. I. Zakharkin, V. I. Stanko, IU. A. Chapovskii. Izv. AN SSSR. Ser. khim. no. 5:944 My '64.
Exchange reactions of $B_{10}H_{12}[A]_2$-type decaborane complexes. L. I. Zakharkin, V. I. Stanko, A. I. Klimova. Izv. AN SSSR. Ser. khim. no. 5:917-918 My '64.

DECATHLON
Using mathematical methods in evaluating the specialized physical training of athletes. V. M. Zatsiorskii, M. A. Godik, D. N. IAtmul'nik. Teor. i prak fiz kul't 27 no 2 33-37 F '64

DECIMAL CLASSIFICATION see Classification, Decimal

DECORATION AND ORNAMENT, ARCHITECTURAL see subdivision under Tajikistan

DECORATION AND ORNAMENT, DAGHESTAN
Alikhanov, Rasul. [Kubachi ornament] Kubachinskii ornament. Moskva, Gosbytizdat, 1963. 12 p. illus.

DEFICIENCY DISEASES
Dombrovskaia, IU. F. [Vitamin deficiency in children] Vitaminnaia nedostatochnost' u detei. Moskva, Medgiz, 1963. 311 p
(DNLM)

DEFICIENCY DISEASES IN DOMESTIC ANIMALS
Importance of iodine and manganese in controlling mineral deficiency in high-productivity cows in the piedmont zone of the Trans-Ili Alatau. A. A. Sazonov. Trudy AZVI 12 157-161 '61
Mineral deficiency of high-productivity cows in Alma-Ata Province. A. A. Sazonov. Trudy AZVI 12 153-156 '61
Studying the diseases caused by insufficient nutrition of young pigs on the farms of Smolensk Province. I. V. Petrukhin. Trudy Smol. NIVS no. 2:39-58 '62

DEFICIENCY DISEASES IN PLANTS
Symptoms of the effect of molybdenum deficiency in cauliflower. E. A. Muravin, A. A. Sobachkin. Dokl TSKHA no 84:193-197 '63.

DEFOLIATION
Basic results of the study of the new defoliants and desiccants for cotton. T. S. Zakirov. Trudy Soiuz NIKHI no. 3.175-194 '63

DEFORMATIONS (MECHANICS)
Bauschinger's effect in low carbon steel in preliminary alternating plastic deformations. Z. P. Kamentseva. Issl. po uprug. i plast. no. 3:261-264 '64.
Calculation of non-bearing sections of prefabricated monolithic continuous structures taking into account prolonged processes. A. B. Golyshev. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7.26-36 '63.
Characteristics of the deformation of polycrystalline zinc at various speeds. K. L. Zaring, L. I. Vasil'ev. Izv. vys. ucheb. zav., fiz. no. 2:116-120 '64.
Effect of heavy prior plastic deformations on the yield point of low carbon steels. G. B. Talypov, A. I. Chistiakov. Issl. po uprug. i plast. no. 3.240-251 '64.
Effect of natural aging on the yield point. G. B. Talypov. Issl. po uprug. i plast. no. 3:246-248 '64.
Effect of plastic deformation on current carrier mobility in n-germanium. L. I. Kolesnik. Fiz. tver. tela 6 no. 4 1253-1254 Ap '64.
Effect of the rate of deformation on the plasticity indices of alloys in the Cu_3Zn range. IU. F. Kliuchnikov, A. A. Presniakov. Trudy Inst. met. i obog. AN Kazakh. SSR 7:76-79 '63.
Elasticokinetic phenomena due to friction in plastically deformed metals. A. A. Kanaev, S. IA. Veiler. Dokl. AN SSSR 156 no. 4:799-802 Je '64.
Experimental proof of the "recrystallization by deformation" phenomenon. A. A. Presniakov, G. V. Starikova. Trudy Inst. met. i obog. AN Kazakh. SSR 7:61-69 '63.
Forming, deformations and forces. P. G. Kirillov. Trudy Inst. met. i obog. AN Kazakh. SSR 7:138-143 '63.
Intercrystalline fracture of zinc and cadmium under cyclic thermal treatment in the high temperature range. S. A. Gribanov. Izv. vys. ucheb. zav.; fiz. no. 2:153-159 '64.
Kinetics of the forming process. P. G. Kirillov. Trudy Inst. met. i obog AN Kazakh. SSR 7:144-160 '63.
Nonlinear plane deformation of an elastic space with a sealed-in circular cylinder. I. N. Slezinher, S. IA. Bars'ka. Prykl. mekh. 10 no. 3:317-323 '64.
Plane deformation of hardening hollow cylinders under the action of internal pressure and a stationary thermal field. V. L. Fomin. Issl. po uprug. i plast. no. 3:161-171 '64.
Positron - electron annihilation in plastically deformed metals. I. IA. Dekhtiar, D. A. Levina, V. S. Mikhalenkov. Dokl. AN SSSR 156 no. 4:795-798 Je '64.
Problem of the flexure of a circular reinforced plate of viscoplastic material. G. M. Gizatulina. Issl. po uprug. i plast. no. 3:153-160 '64.

term. obr. met. no. 5.16-17 My '64.
Role of the viscous motion of a dislocation in peratu re-dependent resistance to deformati solutions of substitution. L. E. Popov, L. M N. A. Aleksandrov. Izv. vys. ucheb. zav.; fiz 126-130 '64.
Selective destruction of a mechanically str on ponent under compression or tension excite waves on a composition of materials of diff strength. A. A. Vorob'ev. Izv vys. ucheb. z no. 2:160-169 '64.
Steady propagation of a system of cracks in a tic material. V. M. Kuznetsov. PMTF no Je '64
Thermoplastic and structural stresses in sol Indenbom, L. I. Vidro. Fiz. tver. tela 6 no Ap '64.
Ways to reduce warping of large-size parts n AK4-1 alloy. N. A. Loktionova and others. splavy no. 3:271-284 '64.

DEGENERATION, HEPATOLENTICULAR see lenticular degeneration

DEGRADATION (CHEMISTRY)
Chemical transformations of polymers. Part features of the thermal degradation of polye S. R. Rafikov and others. Vysokom. soed. 6 652-654 Ap '64.
Chemical transformations of polymers. Part temperature degradation of polyenanth amide capramide in a closed system. G. N. Chelno Rafikov. Vysokom. soed. 6 no. 4:710-715 A

DEHYDRASES
Materials on histochemical study of dehydrase cytochrome oxydase in cancerous tissue. N Vop. onk. 8 no. 9:37-44 '62.

DEHYDRATION (CHEMISTRY)
Investigation of the direction of the dehydratio methylbutanol-2 in the presence of an acid c L. Kh. Freidlin, V. Z. Sharf, Z. T. Takhtamur Neftekhimiia 4 no. 1.37-42 Ja-F '64.
New method of dehydration of silicic acid in t of silicates. A. A. Zan'ko, O. K. Serdiukova, LPI 5 no. 1/2,165-168 '64.
Vacuum dehydration of asbestos cement. I. I. Stroi. mat. 10 no. 2:27-30 F '64.

DEHYDROGENASES
Significance of determining the activity of succi dehydrogenase in infectious hepatitis. Z. P. Lab. delo no. 2:70-74 '64.

DEHYDROGENATION
Dehydrogenation of 1-methyl-1-cyclopentene in of oxide catalysts. N. I. Shuikin, H. Hofman Erivanskaia. Izv. AN SSSR. Ser. khim. no. 5: My '64.

DELAY LINES
Mikhalevskii, V. S. [Principles of the theory high-frequency delay systems] Elementy teor vysokochastotnykh zamedliaiushchikh sistem, na-Donu] Izd-vo Rostovskogo univ., 1964. 1

DELIMARSKII, IURII KONSTANTINOVICH, 190
IUrii Konstantinovich Delimarskii, on his sixti day. Ukr. khim. zhur. 30 no. 4.423-424 '64

DELIVERY OF GOODS see subdivision under

DELIVERY OF GOODS (LAW)
Grabo, Heinar, Albert Kalme, and Hugo Vihal [Contracts of delivery, claims, and arbitrati Hankeleping, pretensioon ja hagi arbitraazis. Eesti Riiklik Kirjastus, 1964. 113 p. [In Es

DEMEKHIN, ANDREI VASIL'EVICH
Friendly help in combat. V. Romankevich. V zhur. 6 no. 5:40-51 My '64.

DEMENTIA
Methods of contrast X-ray study of the brain i states of dementia in old age. M. D. Gal'perl Bokii. Trudy Gos. nauch.-issl. psikhonevr i 207-314 '63.

DEMOGRAPHY
Geograficheskoe obshchestvo SSSR. [Geograph population in the U. S. S. R.; basic problems] nasaleniia v SSSR; osnovnye problemy. Mosk "Nauka," 1964. 278 p.

DEMOLITION, MILITARY
Blowing up a metal bridge. M. Averkiev. Voe 44 no. 6:90-100 Je '64.

DENDROCHRONOLOGY
Annual rings and superlong-range forecasts. Masanov. Priroda 53 no. 6:110-118 '64.

DENMARK—COLLECTIVE LABOR AGREEMEN
Who profits from the "Block solution?" Olaf Vsem. prof. dvizh. no. 5:24-27 My '64.

[illegible]

DENSITOMETRY

Improvement of [illegible] [illegible] Ma '64.

How m[illegible] [illegible] '64.

The [illegible] M[illegible] '64.

DENTAL CLINICS see subdivision under Kazan

DEOXYRIBONUCLEIC ACID see Nucleic acid

DEPARTMENT STORES see subdivision under Perm

DEPARTMENT STORES - MANAGEMENT see subdivision under Kiev

DEPRECIATION

[illegible]

DERMATOLOGY

Abstracts. Vest. derm. i ven. [illegible]

[illegible] Vest. derm. i ven. [illegible] '64

[illegible] Vest. derm. i ven. [illegible] '64

[illegible]

[illegible]

[illegible]

[illegible] Vest. derm. i ven. [illegible]

[illegible] Vest. derm. i ven. [illegible] '64

[illegible] '64

DERMATOLOGY - BIBLIOGRAPHY see Bibliography, Dermatology

DERMATOLOGY - CONGRESSES

[illegible] Vest. derm. [illegible]

DERMATOMYCOSIS

[illegible]

[illegible] Vest. derm. i ven. [illegible]

[illegible] Vest. derm. [illegible] '64

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERT [illegible] see subdivision under [illegible]

DESERT [illegible] see subdivision under Turkmenistan

DESIGN, INDUSTRIAL

[illegible]

Oberidze, N. O. [Engineering and [illegible] design of [illegible]] [illegible] Moskva, Izd-vo "Mashinostroenie," 1964. 453 p.

DESKS see subdivision under [illegible]

DESMANS

[illegible]

DESNITSKII, SEMEN EFIMOVICH, 1740-1789

[illegible]

DESULFURATION

[illegible]

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

[illegible] A.A.Antonov, D.D.[illegible], P.G.Manilov. Uch.zhur. [illegible] no.1:20-21 '64.

DEUTERONS

[illegible] deuterons and tritons produced in the [illegible] A.P.Komar, [illegible] Izv.AN SSSR [illegible] no.5:774-777 Je '64.

DEUTERONS - SCATTERING

Elastic scattering of deuterons on [illegible] and the [illegible] and others. [illegible] My '64.

Inelastic scattering of deuterons by certain even [illegible] [illegible] V.V. [illegible] no.5:1000-1008 My '64.

DIABASE see subdivision under Onega, [illegible]

DIABETES

[illegible]

[illegible] Vop.radiobiol. [illegible] '65.

DIAGNOSIS

Chaikov, I. A., and A. I. Khazanov. [Pathoanatomical diagnosis of some infectious diseases in man] Patologo-anatomicheskaia diagnostika nekotorykh infektsionnykh boleznei cheloveka. [Leningrad] Meditsina, 1964. 135 p. [illegible]

[illegible] "Functional neurological diagnosis," [illegible]

[illegible] diagnosis of diseases of the nervous system [illegible] and others. V. [illegible] '65

DIAGNOSIS, CYTOLOGIC

[illegible] cytologic examination in women [illegible] '64.

[illegible] diagnosis of tumors of the [illegible] Vop.onk. [illegible]

DIAGNOSIS, DIFFERENTIAL

Differential [illegible] V. D. Antonovich, [illegible]

[illegible] study in differential diagnosis of [illegible] tumors in [illegible] M. D. [illegible] '65.

[illegible] with pneumoperitoneum [illegible] tumors of the retro- [illegible] A. A. [illegible] Vop.onk. [illegible]

DIAGNOSIS, [illegible]

[illegible] single stage [illegible] [illegible] no.6:52-56 [illegible]

[illegible] use of radioisotopes [illegible] Vest. AMN SSSR [illegible]

[illegible] diagnosis of stomach [illegible] Khirurgiia [illegible]

DIALECTICAL MATERIALISM

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut filosofii. [Certain categories of dialectical materialism] Nekotorye kategorii dialekticheskogo materializma. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 242 p. [In Georgian]

Alekseev, P. V. [V. I. Lenin on the union of philosophy and natural science] V. I. Lenin o soiuze filosofii i estestvoznaniia. Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 9)

Bereskii, D. M. [Indissoluble union of Marxist philosophy and natural science; a textbook for the course of Marxist-Leninist philosophy] Nerushimyi soiuz marksistskoi filosofii i estestvoznaniia; uchebnoe posobie po kursu marksistsko-leninskoi filosofii. Leningrad, Leningr. elektrotekhn. in-t sviazi im. M. A. Bonch-Bruevicha, 1963. 76 p.

Boguslavskii, V. V. [From thought to action; a philosophical essay] Ot mysli k deistviiu; filosofskii ocherk. Moskva, Politizdat, 1964. 79 p.

Contemporary methods of the bourgeois criticism of dialectical materialism. A. A. Chernova. Uch. zap. kaf [illegible] Filos. no.3:221-245 '64.

Gurvich, A. G., V. P. Petlenko, and O. I. Tikhonravov. [Problems of dialectical materialism; for lectures on philosophy for medical institutes] Voprosy dialekticheskogo materializma, k lektsiiam po filosofii dlia meditsinskikh institutov. Pod red. E. G. Fedorenko. Kiev, Gosmedizdat USSR, 1964. 361 p.

[illegible]
of philosophy in the West German literature] [illegible]
[illegible] filosofii v [illegible]
[illegible] Moskva, "Mysl'," 1964. [illegible]

Interrelation of categories and laws in dialectical [illegible] Vop. filos. 18 no.5 [illegible]

Laws of dialectics and military science. [illegible] Vestnik [illegible] no.9:93-97 My '64

On science. A. I. Verkov [illegible] Vop. [illegible]

The place of problems of the philosophy of natural science in the structure of Marxist philosophy [illegible] Vop. filos. 18 no.5 [illegible]

Rutkevich, M. N., and L. M. Arkhangel'skii, eds. [Certain categories of dialectics] Nekotorye kategorii dialektiki. [Petrozavodsk] Rosvuzizdat, 1963. 132 p.

[illegible] of the old against the new [illegible] dialectic. [illegible] Uch. zap. Karel. [illegible] '64.

V. I. Lenin on the dialectic of the general and [illegible] aspects of the socialist revolution. [illegible]

Volkov, [illegible] [The concept of dialectical and [illegible] materialism; a textbook for students of special secondary schools in the social sciences] Poniatie dialekticheskogo i istoricheskogo materializma; dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Petrozavodsk] Vysshaia shkola, 1964. 63 p.

DIAMAGNETISM

[illegible] diamagnetism of conduction electrons in [illegible] magnetic [illegible] Izv. AN Arm. [illegible] no.10:84-17 '64.

DIAMINE OXIDASE

Effect of [illegible] irradiation on the histaminase [illegible] of the blood and organ tissues. A. V. [illegible], A. A. [illegible] Vop. radiobiol. [illegible] '64.

DIAMOND CUTTING

[illegible] of thin diamond [illegible] A. M. [illegible] [illegible] no.11:19-22 '64.

DIAMONDBACK MOTH - EXTERMINATION

Diamondback [illegible] cabbage moths. [illegible] no.6:12-13 '64.

DIAMONDS, INDUSTRIAL

Kiseleva, [illegible] [Industrial diamonds] Tekhnicheskie almazy. Moskva, Izd-vo "Nedra," 1964. 152 p.

Machine for diamond sharpening of hard alloy [illegible] cutting instruments. [illegible] Zakharenko, D. A. [illegible] no.1:30 Ja '64.

Mishkevich, G. I. [King in a steel crown] Korol' stal'noi korony. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1964. 175 p.

DIAMONDS, INDUSTRIAL - RESEARCH

Organization of scientific and technological [illegible] and exhibits based on the results of the research [illegible] development work of the Diamond Scientific Research Institute. [illegible] no.2:17-18 '64.

DIAPAUSE

Effect of alternating [illegible] of light and temperature [illegible] formation of diapause in Leptinotarsa (Coleoptera [illegible] N. I. [illegible] no.1:80-82 '64

Effect of [illegible] on the diapause and [illegible] of the [illegible] fly Sparganothis pilleriana [illegible] (Diptera, Tortricidae) and the cabbage butterfly [illegible] (Lepidoptera, Pieridae). I. V. [illegible] [illegible] no.1:132-147 '64

DIAPHRAGM - SURGERY

Implantation of [illegible] for repairing [illegible] defects under experimental conditions [with summary in English] [illegible] '65.

DIATOMS

(see also subdivision under Antarctic regions; [illegible]
Valley; Yenisey Valley)

Comparison of the chemical composition of some species in cultures in the sea. [illegible] A. Lanskaia, [illegible] Trudy [illegible] '63.

Effect of bacterial film on the settling of diatoms. [illegible] Iu. A. Gorbenko. Trudy [illegible]
'63.

Methods for the collection and technical processing [illegible] samples in diatomic analysis. Z. V. Aleshinskaia [illegible] Pirumova. [illegible] no.3:85-100 '63

DIAZO COMPOUNDS

Preparation of diazo constituents derivatives of paraphenylenediaminesulfonic acid. M. I. [illegible] chenko, IA. P. Berkman. Dopl. [illegible] no.1 [illegible]
'64.

Preparation of [illegible] diazo constituents [illegible] M. L. [illegible] no.3:32-35 [illegible]

[illegible] important ecological concepts. V. [illegible] Uch. zap. Kazakh. un. 10:30-41 '59

DIDEROT, DENIS, 1713-1784

[illegible] of Diderot. L. S. Gordon. Nov. i noveish. ist. no. 2:[illegible] '64

The 250th anniversary of D. Diderot's birth. S. I. [illegible] Nov. i noveish. ist. no. 1:185-187 '64

DIE CASTING

[illegible] die-casting machines. N. N. Belousov, [illegible] Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:87-89 '64.

DIECKMANN CONDENSATION

Dieckmann reaction. Part 12: Cyclization of diethyl [illegible]-dicarbethoxyadipic [illegible] N. S. Vul'fson, V. I. Zaretskii. Zhur. ob. khim. [illegible] 21-534 Mr '64

DIELECTRIC CONSTANT

Crystal chemistry of ferroelectrics having a structure of the type of tetragonal oxygenic tungsten bronze. [illegible] Kristallografiia 9 no. 3: [illegible] My-Je '64

Dielectric constant and molecular structure of pyridine - [illegible] solutions. V. V. [illegible], I. A. [illegible], M. I. Shakhparonov. Vest. Mosk. un. Ser. 2 Khim. 19 no. 1:33-34 Ja-F '64.

Dielectric constant of some thixotropic systems. B. I. [illegible] Pratsi Od. un. Zbir. stud. rob. 146 no. 4: [illegible] '56

Dielectric constant of rocks at pressures up to 50,000 kg/cm² and temperatures up to 400°. A. I. Bondarenko. Izv. AN SSSR. Ser. geofiz. no. 5:739-741 My '64

Piezo-optical effect in polymers under simple load. I. I. [illegible] Issl. po uprug. i plast. no. 3:172-191 '64.

Use of the reflection coefficient in the determination of optical constants and free current carrier concentration in heavily alloyed semiconducting materials. V. K. [illegible], G. B. Dubrovskii, A. A. Kukharskii. Fiz. tver. tela 6 no. 4:1073-1081 Ap '64

DIELECTRICS

Electron emission by irradiated and mechanically treated dielectrics. O. D. Knab. Pratsi Od. un. Zbir. stud. rob. 116 no. 4:157-159 '56

Relaxation oscillations in dielectrics. M. S. Kosman, A. N. Sozina. Dokl. AN SSSR 156 no. 4:778-780 Je '64

DIELECTRICS, EFFECT OF RADIATION ON

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut iadernoi fiziki. [Radiation effects in condensed media] Radiatsionnye effekty v kondensirovannykh sredakh. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 149 p

DIENCEPHALON—DISEASES

Malignant exophthalmos as a neuro-endocrine form of diencephalic syndrome. D. R. Shtul'man. Sov. med. 27 no. 10:76-82 O '63.

DIES (METALWORKING)—DESIGN AND CONSTRUCTION

Skvortsov, G. D. [Principles of designing dies for sheet-metal work, preparatory operations] *Osnovy konstruirovaniia shtampov dlia kholodnoi listovoi shtampovki; podgotovitel'nye raboty*. Moskva, Izd-vo "Mashinostroenie," 1964. 326 p.

DIESEL ELECTRIC POWER PLANTS

Diesel systems. Prom. energ. 17 no. 6:55 Je '62.

DIESEL ENGINES

Concerning A. S. Lyshevskii's book "Fuel atomization processes in diesel jets." R. V. Rusinov. Energomashinostroenie 10 no. 4:47-48 Ap '64

Exact and approximate method for calculating thermodynamic functions in various parts of the indicator diagram. Z. M. Minkin. Energomashinostroenie 10 no. 4:40-41 Ap '64.

Mikhailin, G. I. [Adjustment and regulation of stationary diesel engines] Naladka i regulirovka statsionarnykh dizelei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 126 p.

DIESEL ENGINES—CYLINDERS

Mounting stresses in cylinder heads. V. IU. Vakhtel', I. S. [illegible], I. A. Breinman. Trakt. i sel'khozmash. no. 5:6-8 My '64.

DIESEL ENGINES—FUEL SYSTEMS

Design of the *plunger pairs of* diesel engine fuel pumps taking the accumulating properties of the packings into account. G. K. Lebediuk. Trudy MIIT no. 169:52-62 '63.

Distribution of pressures and leaks in the cam packing clearance of the slide valve part of the fuel pump plunger pairs of *internal combustion* engines. G. K. Lebediuk. Trudy MIIT no. 169:63-72 '63.

Selection and control of the delivery characteristics of nozzles. G. K. Lebediuk. *Trudy MIIT* no. 169:73-80 '63.

Stand for adjusting fuel pumps. M. Kornev. Tekh. v sel'khoz. 24 no. 3:86-87 Mr '64.

[illegible] [Use of fuels and oils in diesel engines] Primenenie topliv i masel v dizeliakh. Leningrad, Izd-vo "Nedra," 1964. 329 p

DIESEL ENGINES—MAINTENANCE AND REPAIR

Reconditioning cylinder sleeves. A. I. Syrin. Tekh. v sel'khoz. 24 no. 3:75-76 Mr '64

DIESEL ENGINES—TESTING

Investigating the effect of additives for sulfur-containing fuel on the performance of the D50 diesel engine. M. I. Shapovalov. Trudy DIIT no. 40:92-105 '62

Results of testing diesels with mechanical transmission and turbine transformer. S. D. Ponichkin. Stroi. i dor. mash. 9 no. 3:13-14 Mr '64.

DIESEL FUELS

Economic efficiency of the use of additives for diesel fuels. M. I. Shapovalov. Trudy DIIT no. 40:106-112 '62.

Investigating the effect of additives for sulfur-containing fuel on the performance of the D50 diesel engine. M. I. Shapovalov. Trudy DIIT no. 40:92-105 '62

Morozov, G. A. [Use of fuels and oils in diesel engines] Primenenie topliv i masel v dizeliakh. Leningrad, Izd-vo "Nedra," 1964. 329 p

Thermocatalytic desulfuration of special kerosine and diesel fuel on iron aluminosilicate catalyst. V. S. Komarov, N. F. Ermolenko, V. I. Vailanov. Dokl. AN BSSR 8 no. 4:241-245 Ap '64

DIESEL LOCOMOTIVES

Effect of various factors on the efficiency of main and crankpin bearings on 2D100 *diesel locomotives*. S. I. Sevast'ianov. Trudy TSNII MPS no. 277:44-60 '64.

Pressure charging of diesel locomotive *engines*. Z. I. Kravets. Trudy MIIT no. 169:93-105 '63.

Promising *antifriction materials for* diesel locomotive bearings. N. A. Bushe. Trudy TSNII MPS no. 277:5-15 '64.

Thermal design of the electric traction machine armature for diesel locomotives. V. D. Kuz'mich. Trudy MIIT no. 169:115-141 '63.

DIESEL LOCOMOTIVES—COOLING

Analyzing the external coefficient of heat transfer by the *corrugated surface of* diesel locomotive coolers. M. G. Makhan'ko, A. P. Tret'iakov, Z. I. Kravets. Trudy MIIT no. 169:81-92 '63.

Investigating the shortened standard *sections of the* cooler for the TGK2 switch diesel locomotive. N. I. Panov, A. P. *Tret'iakov*, Z. I. Kravets. Trudy MIIT no. 169:16-27 '63.

Selecting the efficient parameters and designs for the oil cooling radiators of diesel locomotive diesel engines. *N. I. Panov, A. P. Tret'iakov*, N. I. Korolev. Trudy MIIT no. 169:4-15 '63.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

System for the additional regulation of the diesel generator plant of diesel locomotives *with the use* of semiconductors. K. I. Rudaia, L. V. Lisitsyn, A. M. Kostromin. Trudy MIIT *no. 169:106-114* '63.

DIESEL LOCOMOTIVES—ELECTRONIC EQUIPMENT

Improvement of the inspection of automatic cab signaling *devices* in diesel locomotives. N. P. Moskalenko. Avtom. telem. i sviaz' 8 no. 2:36 F '64

DIESEL LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Calculating the norms for the supplying of the ChMe2 diesel locomotive engine with plunger *pairs*. *V. N.* Ivanov, A. I. Il'in, V. N. Skepskii. Trudy MIIT no. 169:43-51 '63.

Development and field tests of the air filter for the *main* generator of the TE3 diesel locomotive. V. D. Kuz'mich, V. IA. Solodilov. Trudy MIIT no. 169:156-160 '63

Investigating the louvered grids and screen filters for the protection of the main generators of *diesel locomotives* against atmospheric moisture. V. D. Kuz'mich, V. IA. Solodilov. Trudy MIIT *no. 169:145-155* '63.

Norms for the *supplying of the 2D100* diesel locomotive with fuel system parts. V. N. Ivanov, A. I. Il'in. Trudy MIIT no. 169:28-42 '63.

DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

Plotting the traction characteristics of diesel *locomotives* with a double-flow hydromechanical transmission. A. A. Nikitin. Trudy DIIT no. 40:68-91 '62.

Starting system of diesel engines *for* diesel locomotives *with hydraulic* drive. V. S. Tiutiunnikov. Trudy MIIT no. 169:166-171 '63.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Denisova, T. V. [Repair of the electric apparatus of diesel locomotives; contactors, electro-*pneumatic* valves, controller, reverser] Remont elektricheskikh apparatov *teplovozov; kontaktory*, elektropnevmaticheskie ventili, kontroller, reversor. Moskva, Transport, 1964. 47 *p*. (*Bibliotechka* slesaria po remontu teplovozov)

Nature of the wear of the lining of motor axle bearings. A. I. Beliaev. Trudy *MIIT* no. 169:161-166 '63.

[illegible] on industrial railroads. A. I. Nesterov. Trudy DIIT no. 40:156-160 '62.

DIESEL LOCOMOTIVES—STARTING DEVICES

Calculating the power of the starting unit for the diesel generator of diesel locomotives. IU. Sh. [illegible] Trudy DIIT no. 40:113-130 '62.

DIETHYLAMINE

Study of the cancerogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No. 2: Primary liver and kidney tumors produced in rats under the action of N-nitrosodiethylamine. I. N. [illegible] Sbor. rab. Inst. tsit. no. 7:86-91 '63.

DIFFERENCE EQUATIONS

High-order correct difference scheme for the heat *conduction* equation with several spatial variables. A. A. Samarskii. Zhur. vych. mat. i mat. fiz. 4 no. 1:161-165 Ja-F '64.

Use of a Lagrange interpolation polynomial in solving Dirichlet's problem for Poisson's equation by the *method of differences*. E. A. Volkov. Zhur. vych. mat. i mat. fiz. 4 no. 3:466-472 My-Je '64

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL EQUATIONS

Applicability of various equations in studying [illegible] ionized gas. V. B. Baranov. PMTF no. 3:[illegible] My-Je '64

Approximate solution to the Cauchy problem for ordinary differential equations with a [illegible] number of correct signs. Part 2. A. D. Gorbunov, IU. A. Shakhov. Zhur. vych. mat. i mat. fiz. 4 no. 3: 426-[illegible] My-Je '64.

Asymptotic theory of relaxation oscillations in systems with a single degree of freedom. Part 2: Calculation of the limit cycle period. N. Kh. Rozov. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 3:56-65 My-Je '64

Behavior of solutions to the first boundary value problem for certain quasi-linear parabolic equations. IU. S. Cheremnykh. Dokl. AN SSSR 156 no. 5:10[illegible] Je '64

Behavior of the characteristics of a differential equation on a plane in the large. I. S. Kukles, M. [illegible] Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 1:[illegible] '64

Behavior of the solution to the first boundary value problem with zero boundary conditions for a parabolic equation. A. A. Novruzov. Dokl. AN Azerb. SSR 19 no. 10:9-13 '63.

Behavior of the solutions to a system of [illegible] differential equations near the state of equilibrium. [illegible] Dop. AN URSR no. 5:560-573 '64.

Certain indications of the existence of periodic solutions to ordinary differential equations. M. A. [illegible], V. V. Strygin. Dokl. AN SSSR 156 no. 5:[illegible]-1024 Je '64.

Contribution to the theory of optimum processes with distributed parameters. T. K. Sirazetdinov. Avtom. i telem. 25 no. 4:463-472 Mr '64.

Definition of a differential equation by two spectra. B. M. Levitan, M. G. Gasymov. Usp. mat. nauk 19 no. 2:[illegible] Mr-Ap '64

Definition of a Sturm-Liouville differential equation by two spectra. B. M. Levitan. Izv. AN SSSR. Ser. mat. 28 no. 1:63-78 Ja-F '64

Differential equation of the resilient-plastic oscillations of a plate subjected to strong flexure. IA. [illegible] Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 1:38-49 '64

Equations in "pressure - current function" variables describing steady axisymmetric gas flows. V. [illegible] PMTF no. 3:164-166 My-Je '64

Estimates of solutions to boundary value problems for a general elliptic equation of second *order* with discontinuous coefficients. Van Tan. Zhur. vych. mat. i mat. fiz. 4 no. 3:577-580 *My-Je* '64.

Existence and asymptotic behavior of "solitary wave" type solutions to differential equations in Banach space. V. A. Trenogin. Dokl. AN SSSR 156 no. 5:10[illegible] Je '64.

First boundary value problem for certain [illegible] hypoelliptic equations. V. P. Mikhailov. Mat. sbor. 64 no. 1:10-51 My '64.

First boundary value problem for *degenerate* quasi-linear elliptic systems of differential equations. IU. A. *Dubinskii*. Dokl. AN SSSR 156 no. 5:1018-1021 Je '64.

The functional Laplacian and parabolic equations. E. M. Polishchuk. Usp. mat. nauk 19 no. 2:155-162 Mr-Ap '64.

Fundamental *solution to a* parabolic system and its continuous dependence on the parameter. L. N. Slobodetskii. Dokl. AN SSSR 156 no. 4:742-744 Je '64.

Harnack's inequality *for* solutions of second-order *elliptic* differential equations. S. N. Kruzhkov, I. P. Kuptsov. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 3:3-14 My-Je '64.

Indispensable and sufficient condition of the optimum problem for a linear differential equation with delayed argument. I. A. Ozhiganova. Trudy MIKHM 25:173-180 '63.

Letter to the editor concerning N. F Otrokov's article on "Multiple boundary cycles." E. A. Leontovich. Mat. sbor. 64 no 1 140-144 My '64.

Maximum principle as applied to the optimization of systems of the second order V.S. Balakirev Trudy MIKHM 25:181-199 '63.

Method of spherical harmonics in the problem of critical parameters. I. A. Adamskaia, S. K. Godunov. Zhur. vych. mat. i mat. fiz. 4 no. 3 473-481 My-Je '64.

Models of fluid media and solid bodies derived from a kinetic equation for an averaged field of force M R Korotkina Vest Mosk un Ser 1·Mat , mekh. 19 no 3:39-50 My-Je '64

Numerical calculation method and solution of the problem of the dispersion of a two-dimensional layer of gas with continuous unsteady energy release. A. S. Fonarev. Zhur. vych. mat. i mat fiz. 4 no. 3 604-610 My-Je '64.

Optimization of systems of the second order with delayed argument. V.S. Balakirev. Trudy MIKHM 25:214-230 '63.

Periodic boundary value problem for a third-order differential equation. A. IA. Khokhriakov. Mat. sbor. 63 no. 4:630-645 Ap '64.

Qualitative analysis of the equation $\frac{dy}{dx} = \frac{-x^5 + Px^2y + Qxy^2 + My^3}{y + Ax^3 + Bx^2y + Cxy + Dy^3}$ in the large A. T. Turaev Izv. AN Uz SSR. Ser fiz -mat nauk 7 no 6 30-34 '63

Solvability of the Cauchy problem for evolutional equations. S. IA. IAkubov. Dokl. AN SSSR 156 no. 5.1041-1044 Je '64.

A special mixed problem. Z. O. Mel'nyk. Dop. AN URSR no. 5:577-580 '64.

Stability of solutions to Hamilton equations with infinite periodic operator coefficients. V. I. Derguzov. Mat. sbor. 63 no. 4:591-619 Ap '64.

Study of Navier - Stokes equations using methods of the theory of parabolic equations in Banach spaces. P. E. Sobolevskii. Dokl. AN SSSR 156 no. 4:745-748 Je '64.

Uniqueness theorem in the theory of hyperbolic quasi-linear equations. N. N. Kuznetsov, TSi Chzhun-tao [Ch'i Chung-t'ao]. Vest. Mosk un. Ser 1·Mat , mekh 19 no. 3:25-30 My-Je '64.

Use of electric models in solving nonlinear equations. T. Maruashvili, L. Gamkhitashvili, M. Beradze. Trudy Vych. tsentr. AN Gruz. SSR 4:175-182 '64

A variational problem in the theory of elliptic differential equations. A. I. Egorov. Sib. mat. zhur. 5 no. 3: 500-508 My-Je '64

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

Method for the numerical solution of a boundary value problem for the equation $y'' - p(x)y' - q(x)y = 0$ on a ray. V. G. Melamed. Zhur. vych. mat. i mat. fiz. 4 no. 1·156-160 Ja-F '64.

DIFFERENTIAL EQUATIONS, LINEAR

Bendrikov, G. A., and K. F. Teodorchik. [Trajectories of the roots of linear automatic systems] Traektorii kornei lineinykh avtomaticheskikh sistem. Moskva, Izd-vo "Nauka," 1964. 159 p.

Electric modeling of nonlinear equations for nonsteady gas motion and evaluating the accuracy of linearization methods. M. IA. Ginzburg. Gaz. prom. 7 no 6: 35-39 '62.

General boundary value problems for systems elliptic in the sense of A Douglis - L. Nirenberg. Part 1 V. A. Solonnikov Izv. AN SSSR. Ser. mat. 28 no. 3:665-706 My-Je '64.

Numerical solution of the Cauchy problem for second-order linear parabolic equations. V. G. Stragovich. Zhur. vych. mat. i mat. fiz. 4 no. 3:502-506 My-Je '64.

Some sufficient conditions for the convergence of Seidel's method. D. P. Grossman. Zhur. vych. mat. i mat. fiz. 4 no. 1: 130-136 Ja-F '64.

Uniqueness of the solution to a hyperbolic system of linear equations with discontinuous coefficients. N. N. Kuznetsov. Zhur. vych. mat. i mat. fiz. 4 no. 3.571-576 My-Je '64.

DIFFERENTIAL EQUATIONS, NONLINEAR

Solution of a system of nonlinear equations by the method of parametric differentiation. M. N. IAkovlev. Zhur. vych. mat. i mat. fiz. 4 no. 1:146-149 Ja-F '64.

DIFFERENTIAL EQUATIONS, PARTIAL

Soviet - American Symposium on Partial Differential Equations I. I. Daniliuk, L. V. Ovsiannikov. Usp. mat nauk 19 no. 2:241-250 Mr-Ap '64.

Use of a new reduction method in the problem of eigenvalues for partial differential equations. R. Klötzler. Zhur. vych. mat. i mat. fiz. 4 no. 3 434-448 My-Je '64.

Use of the method of straight lines in the approximate solution of a partial elliptic differential equation. E. O. Omarov. Zhur. vych. mat. i mat. fiz. 4 no. 3:585-592 My-Je '64.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFRACTION

Diffraction in open resonators and open wave guides with plane mirrors. L. A. Vainshtein. Zhur. tekh. fiz. 34 no. 2:193-204 F '64.

in a plate IU. K Konenkov. Akust zhur. 10 no 2 186-190 '64

Diffraction of plane waves on an infinite straight circular cylinder. V. N. Drekov. Pratsi Od. un. Zbir stud. rob. 146 no. 4:177-185 '56.

Estimates of the field in the shadow zone in the event of the diffraction of a cylindrical wave on a bounded convex cylinder. I. V. Olimpiev Dokl. AN SSSR 156 no. 5.1068-1071 Je '64

Principle of the limit amplitude in diffraction problems. A. I. Kochura. Pratsi Od. un. Zbir. stud. rob. 146 no. 4: 187-190 '56.

DIFFUSION

Applying corrections in plotting concentration curves from diffusion layers. I B. Borovskii, T. A. Kupriianova Izv. AN SSSR. Ser. fiz. 28 no. 5 863-865 My '64.

Determination of the diffusion mechanism controlling the rate of sorption (ion exchange). B. S. Golubev, G. M. Panchenkov. Zhur. fiz khim. 38 no. 4.1010-1013 Ap '64.

Diffusion of cadmium and zinc in gallium arsenide from the gaseous phase. L. M. Kogan, S. S. Meskin, A. IA. Goikhman. Fiz. tver. tela 6 no. 4:1145-1151 Ap '64.

Diffusion of certain rare-earth elements in germanium. I. A. Gusev, L I. Molkanov, A. N. Murin. Fiz. tver. tela 6 no. 4.1256-1257 Ap '64.

Diffusion of naphthalene in compressed ethylene and carbon dioxide. M. B. Iomtev, IU. V. TSekhanskaia Zhur. fiz. khim. 38 no. 4:896-900 Ap '64

Experimental verification of the Onsager equations. P. IA. Siver. Zhur. fiz khim. 36 no. 9:1947-1951 S '62.

Hydrogen diffusion in metals. A. I. Gubanov. Fiz. tver. tela 6 no. 4·1023-1029 Ap '64.

Investigating the diffusion of addition alloy elements in aluminum alloys. E. D. Zakharov, N. P Dronova, L. E Nikol'skaia Alium. splavy no 3:159-174 '64

Investigating the rate of diffusion of copper, magnesium, and manganese in aluminum depending on the degree of deformation during extrusion. B. D. Galatskii, I S. Afanas'eva, I N Fridliander Alium splavy no. 3 263-270 '64.

Kinetics of mass transfer in a vibrating movement of a solid in a liquid. I. N. Fiklistov, G. A. Aksel'rud. Dokl. LPI no. 1/2:104-108 '63.

Kinetics of the swelling of polymers. R. M. Vasenin. Vysokom. soed. 6 no. 4:624-629 Ap '64.

Mechanism of self-diffusion in water. IU. V. Gurikov. Zhur. strukt. khim. 5 no. 2:188-192 Mr-Ap '64.

Phosphorus diffusion in high-purity polycrystalline silicon. S. V. Starodubtsev, A. S. Liutovich, V. P. Prutkin. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 1 77-81 '64.

Quasi-stationary method of determining the concentration dependence of diffusion coefficients in metallic melts D. K. Belashchenko. Zhur. fiz. khim. 36 no 9·2055-2058 S '62.

Relation between diffusion and short-range order in a liquid. G. M. Panchenkov, V. V. Erchenkov. Vest. Mosk. un. Ser. 2. Khim. 19 no. 1:20-29 Ja-F '64.

Study of the diffusion movement of water molecules in solutions of paramagnetic ions by measuring proton resonance. K. Gunther, H. Pfeifer. Zhur. strukt. khim. 5 no. 2:193-200 Mr-Ap '64.

Temperature and concentration dependence of the relaxation effect in homogeneous substitutional solid solutions of Ag - Cd. K. M. Shtrakhman, IU. V. Piguzov. Fiz. tver. tela 6 no. 4:1152-1157 Ap '64.

Theory of the method of determining the coefficient of diffusion along the surface of crystalline bodies. P V. Pavlov, V. A. Panteleev. Fiz tver. tela 6 no. 4 1231-1233 Ap '64.

Zinc diffusion in indium antimonide. I. A. Gusev, A. N. Murin. Fiz. tver. tela 6 no. 4.1208-1212 Ap '64.

DIGESTION

Digestion and protein metabolism in swine fed mixed feeds. A. M. Starovoitov. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32:100-111 '62.

Electrogastrographic variants in healthy persons during digestion. A. S. Belousov. Nov. med. tekh. no. 5:72-82 '61.

DIGESTIVE ORGANS

Role of the digestive tract in the protein and fat metabolism. A D Sineshchekov Vest sel'khoz nauki 9 no 5 60-66 My '64.

DIGESTIVE ORGANS—DISEASES

Clinicophysiological trends in studying the etiology, pathogenesis, and principles of the treatment of diseases of the digestive and respiratory systems. IA I Kleinbok Trudy AZVI 12·233-237 '61.

DIGESTIVE ORGANS—SHEEP

Function of some digestive glands in sheep fed different feeds K. T Tashenov Trudy AZVI 12 574-581 '61.

DILATOMETRY

Experimental determination of the coefficient of linear expansion of metals and alloys. E. E. Totskii. Teplofiz. vys. temp. 2 no. 2:205-214 Mr-Ap '64.

Ornamental trees and shrubs of Dilizhan. R. A. Abramian, I. F. Gerich. Izv. AN Arm. SSR. Biol. nauki 16 no. 5 49-58 My '63.

DIMETHYLAMINE

Addition of dimethylamine to acetylenic alcohols. S. A. Vartanian, Sh. O Badanian, R. G. Agababian. Izv. AN Arm. SSR. Khim. nauki 17 no. 2 191-195 '64.

DIMITROVA, LILIANA, 1918-1944

Liliana Dimitrova, a heroine of the Bulgarian people. A. I. Doronchenko. Uch zap. Velikoluk. gos. ped. inst. no. 22:116-124 '63.

DINSKAYA DISTRICT—EDUCATION, PRESCHOOL

Visible changes N. Krokhaleva. Doshk vosp. 37 no. 5· 85-88 My '64.

DIODES

Thermal processes in point diodes during the passage of current pulses S. S. Gutin, A. O. Pusep. Izv. vys. ucheb. zav.; fiz. no. 2·176-177 '64.

DIODES, ELECTRON-TUBE

Volt-ampere characteristics and current oscillations in the circuit of a low-pressure plasma thermoelement. V. IA. Karakhanov and others. Zhur. tekh. fiz. 34 no. 2 326-332 F '64.

DIODES, SEMICONDUCTOR

Effect of a blocking contact on the volt-ampere characteristic of a semiconductor diode. A. IU. Leiderman, P. M. Karageorgii-Alkalaev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 1 94-95 '64.

Volt-ampere characteristic of semiconductor diodes at high injection levels. D. A. Aronov. Izv. AN Uz. SSR Ser. fiz.-mat. nauk 8 no. 1:42-48 '64.

DIODES, SEMICONDUCTOR, EFFECT OF RADIATION ON

Effect of X rays on the properties of point-contact germanium diodes. Z. IA. Kleiman, T. A. Stefanova. Izv. vys ucheb. zav.; fiz. no. 2:160-165 '64

DIOPSIDE CRYSTALS

Paramagnetic resonance of Mn^{2+} ions in diopside crystals. V. M. Vinokurov, M. M. Zaripov, V. G. Stepanov. Fiz. tver. tela 6 no. 4 1130-1137 Ap '64.

DIOXANE

Experimental basis for the permissible concentration of dimethyldioxane in bodies of water. N. V. Klimkina. San. okhr. vod. ot zagr. prom. stoch. vod no. 5:7-27 '62.

DIOXANE—SPECTRA

Nuclear magnetic resonance spectra and the structure of 1,3-dioxanes, 1,3-dioxolanes, and some cyclic esters of sulfurous and carbonic acids. Part 1: Dioxanes and 1,3-dioxolanes. IU. IU. Samitov, R M Aminova Zhur strukt. khim. 5 no. 2:207-216 Mr-Ap '64.

DIOXOLANE—SPECTRA

Nuclear magnetic resonance spectra and the structure of 1,3-dioxanes, 1,3-dioxolanes, and some cyclic esters of sulfurous and carbonic acids. Part 1: Dioxanes and 1,3-dioxolanes. IU IU. Samitov, R. M. Aminova Zhur. strukt. khim 5 no. 2:207-216 Mr-Ap '64.

DIPHTHERIA

Diagnostic importance of phagocytosis in diphtheria V D. Gladysheva Trudy Irk IEG no 5 64-69 '60

Diagnostic importance of the agglutination reaction in diphtheria V D Gladysheva Trudy Irk IEG no 5 70-72 '60

Immunological reactivity in diphtheria patients in the dynamics of the infection process. V D Gladysheva Trudy Irk IEG no 5 57-63 '60

Morphological changes in experimental diphtherial intoxication in animals with different types of nervous systems. I. V. Skorodumova, L. D. Amiantova. Zhur. mikrobiol., epid. i immun. 40 no. 5:143-147 My '63.

DIPHTHERIA—PREVENTION see subdivision under Ukraine

DIPHTHERIA—PREVENTIVE INOCULATION

Comparative evaluation of the effectiveness of different methods of administering the diphtherial anatoxin A P Panfilova Trudy Irk. IEG no 5·34-39 '60.

Experimental method of vaccination against diphtheria with anatoxin in the form of aerosol A. P. Panfilova. Trudy Irk. IEG no 5·40-52 '60

Experimental respiratory revaccination with diphtherial and whooping cough vaccines. B. A. Bolarinova. Trudy Irk. IEG no. 5 13-33 '60

Subcutaneous and aerosol method of immunization against diphtheria in an experiment on animals A P Panfilova Trudy Irk IEG no 5 53-56 '60

Test of respiratory immunization of volunteers with diphtherial and whooping cough vaccines. B. A. Bolarinova Trudy Irk IEG no. 5 5-12 '60.

DIPHTHERIA ANTITOXIN

Immunological effectiveness of pertussis-diphtheria-tetanus vaccine. G. V. Ignat'eva and others. Zhur. mikrobiol., epid. i immun. 40 no. 10:58-62 O '63.

[illegible] tion (diplacin) in light anesthesia [illegible] B. V. Z[illegible] Eksp. khir. [illegible] 5 O [illegible]

DIPOLE MOMENTS

Determining the matrix element of the dipole moment in the electron transition of the red system of cyanogen bands. F. F. Gippius and others. Teplofiz. vys. temp. 2 no. 2 151-157 Mr-Ap '64

DIPTERA

Head structure of the larvae and the natural system of the order Diptera [with summary in English] N. P. Krivosheina. Zool. zhur. 43 no. 2 193-205 '64.

DIPTERA, FOSSIL

Rodendorf, B. B. [Historical development of Diptera] Istoricheskoe razvitie dvukrylykh nasekomykh. Moskva, Izd-vo "Nauka," 1964. 310 p. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol. 100)

DIRICHLET'S SERIES see Series, Dirichlet's

DISABILITY EVALUATION

(see also subdivision under Moscow; Tatar A. S. S. R.)

First results. A. Tret'iakov. Sots. obesp. 25 no. 3 6-11 Mr '64.

Serpokryk, N. V., F. A. Averbakh, and M. N. Ostrovskaia. [Methodological fundamentals of medical expertise on the capacity for work in diseases of the visual organ, manual for ophthalmologists of therapeutic institutions and Medical Expert Commissions on Working Ability, and teachers of medical institutes] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniiakh organa zreniia, posobie dlia oftal'mologov lechebnykh uchrezhdenii i VTEK, prepodavatelei meditsinskikh institutov. Pod red. A. F. Tret'iakova. Moskva, Medgiz, 1963. 128 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Shakhnovich, R. A., ed. [Methodological fundamentals of medical expertise on the capacity for work in diseases of the peripheral nervous system] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniiakh perifericheskoi nervnoi sistemy. Moskva, Meditsina, 1964. 111 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Soboleva, A. V. [Electrographic methods of examination in the expertise for work capacity in diseases of the cardiovascular system, methodological fundamentals] Elektrograficheskie metody issledovaniia v ekspertize trudosposobnosti pri zabolevaniiakh serdechno-sosudistoi sistemy, metodicheskie osnovy. [Leningrad] Meditsina, 1964. 94 p.
(DNLM)

We need oncological disability evaluation committees. V. Vdovin. Sots. obesp. 25 no. 3:37 Mr '64.

DISARMAMENT—CONGRESSES

Twelfth Pugwash Conference. M. D. Millionshchikov. Vest. AN SSSR 34 no. 5:101-106 My '64.

DISLOCATIONS IN CRYSTALS

Allowing for Peierls's forces in dislocation theory of elasticity. P. F. Kromer. Izv. AN Uz. SSR Ser. fiz.-mat. nauk 7 no. 6 63-74 '63

Role of the viscous motion of a dislocation in the temperature-dependent resistance to deformation in solid solutions of substitution. L. E. Popov, L. M. Butkevich, N. A. Aleksandrov. Izv. vys. ucheb. zav., fiz. no. 2: 126-130 '64.

DISLOCATIONS IN METALS

Dislocations in titanium-molybdenum, iron-aluminum alloys. N. V. Ageev and others. Dokl. AN SSSR 156 no. 4:789-791 Je '64.

Positron - electron annihilation in plastically deformed metals. I. IA. Dekhtiar, D. A. Levina, V. S. Mikhalenkov. Dokl. AN SSSR 156 no. 4:795-798 Je '64.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERS OF SPEECH see Speech, Disorder of

DISPLACEMENT (SHIPS)

Coefficients of displacement of tanker hulls. V. B. Dragomiretskii. Sudostroenie 30 no. 5:9-11 My '64.

DISPLAY OF MERCHANDISE see subdivision under Germany, West; United States

DISPROPORTIONATION

Disproportionation of mono-, di-, and triisopropylbenzenes. E. P. Babin, L. I. Maryshkina, Z. S. Borodina. Neftekhimiia 4 no. 1 21-25 Ja-F '64

DISSERTATIONS, ACADEMIC

Candidate dissertations. N. I. Morkovina. Usp. mat. nauk 19 no. 1 235-241 Ja-F '64.

Defense of dissertations on mathematics. N. I. Morkovina. Usp. mat. nauk 19 no. 2 251-252 Mr-Ap '64

Defense of a doctoral dissertation. A. Akhtamzian, A. Zlobin. Nov. i noveish. ist. no. 2 193-194 '64.
Defense of doctoral dissertations. O. D., and others. Ukr. ist. zhur. 8 no. 2 156-157 Mr-Ap '64.

dissociation energy of the BaCl molecule. L. V. Gurvich, V. G. Riabova. Teplofiz. vys. temp. 2 no. 2 215-218 Mr-Ap '64.

Mechanism of dissociation of metal phthalocyanines. B. D. Berezin. Zhur. fiz. khim. 38 no. 4:850-857 Ap '64.

Perfluoro tert-butyl alcohol and dissociation constants of trifluoromethylcarbinols. I. L. Knuniants, B. L. Diatkin. Izv. AN SSSR. Ser. khim. no. 5:923-925 My '64.

Thermodynamic analysis of equilibrium in the dissociation of ferrites. A. N. Men' and others. Dokl. AN SSSR 156 no. 4:912-915 Je '64.

DISTILLATION, FRACTIONAL

Calculating the conditions for the minimal refluxing of columns used in finite reflux distillation unit fed with unsaturated crude. S. A. Bagaturov. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11 63-70 '62.

Calculating the possible range of variation in the composition of the separation products of ternary mixtures in the presence of minimum reflux. A. A. Kondrat'ev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3:63-67 '64.

Separation of ethylbenzene from xylene isomers by continuous "extrasharp" rectification and low temperature crystallization. D. M. Slavinskii, A. F. Kabanov. Khim. prom. no. 10:735-741 O '63.

DISTILLATION, FRACTIONAL—MATHEMATICAL MODELS

Problems in the mathematical description of transient processes in a plate rectification column. V. N. Krivsunov. Trudy MIKHM 25,52-65 '63.

DISTILLED WATER see Water, Distilled

DISTILLING INDUSTRIES—ACCOUNTING *see subdivision* under Novosibirsk

DISTRIBUTION (PROBABILITY THEORY)

Quadratic error in estimating the normal distribution densities from two samples. G. M. Maniia. Trudy Vych. tsentr. AN Gruz. SSR 4:213-216 '64.

DISTRIBUTIVE EDUCATION see subdivision under Georgia; Moscow; Poland

DITHIZONE

Using dithizone in pharmaceutical analysis. M. M. IAmpol's'ka. Farmatsev. zhur. 15 no. 4:28-33 '60.

DITILIN

Use of ditilin in the reduction of hip dislocations. V. I. Ivanov. Sov. med. 27 no. 10 129-131 O '63.

DIVING, SUBMARINE see subdivision under Alushta (Crimea)

DIVISION OF LABOR

(see also subdivision under Europe, Eastern)

Division of labor and transition to communism. I. Suderevskii. Sots. trud 9 no. 5:148-150 My '64.

DMITRIYEVKA OIL FIELD—OIL SANDS

Significance of the lithological factor in the distribution of oil pools in the Dmitriyevka field in Kuybyshev Province. A. I. Stepanov. Nauch.-tekh. sbor. po dob. nefti no. 14,8-12 '61

DNEPRODZERZHINSK—CHEMICAL INDUSTRIES

In the workshops of the by-product coke plant. I. Brazhnik, I. Vinnik. Part. zhizn' no. 11 62-63 Je '64

DNEPRODZERZHINSK—FERTILIZER INDUSTRY—LABOR PRODUCTIVITY

Successors to a great initiative; 45th anniversary of the first mass communist voluntary labor. A. Blinov. Agitator no. 9 15-16 My '64

DNEPROPETROVSK—COMMUNIST EDUCATION

Concretely and directed to a goal. O. Misnik. Agitator no. 11 32-35 Je '64.

DNEPROPETROVSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Concretely and directed to a goal. O. Misnik. Agitator no. 11:32-35 Je '64.

DNEPROPETROVSK—HEPATITIS, INFECTIOUS

Epidemiology of epidemic hepatitis in Dnepropetrovsk. V. I. Petrov. Zhur. mikrobiol., epid. i immun. 40 no. 6:18-22 Je '63.

DNEPROPETROVSK—TIRES, RUBBER

Machine accounting for finished products. S. Zhukovtsev, A. Pitsyk. Bukhg. uchet 21 no. 2:9-11 F '64.

DNEPROPETROVSK REGION—REVOLUTION, 1917-1921

Dissemination of Lenin's works in the Yekaterinoslav region in 1917. P. L. Varbatiuk. Ukr. ist. zhur. 8 no. 2:80-84 Mr-Ap '64.

DNIEPER-DONETS LOWLAND—FAULTS (GEOLOGY)

System of fractures in the northwestern sector of the Dnieper-Donets Lowland. V. M. Smeltanskii. Geol. nefti i gaza 8 no. 4:15-19 Ap '64.

siderations regarding the genesis of the natural combustible gases of the Dnieper-Donets Lowland. V. IA. Klimenko. Geol. nefti i gaza 8 no. 4:25-28 Ap '64.

DNIEPER-DONETS LOWLAND—GAS, NATURAL—GEOLOGY

Certain regularities in the distribution of oil and gas pools in the Dnieper-Donets Lowland. M. I. Blank and others. Geol. nefti i gaza 8 no. 4:9-16 Ap '64.

Stratigraphic boundaries and oil and gas potentials of the Upper Cretaceous sediments in the Dnieper-Donets Lowland. V. F. Bliznjuk and others. Geol. nefti i gaza 8 no. 4:28-35 Ap '64

DNIEPER-DONETS LOWLAND—PETROLEUM GEOLOGY

Certain regularities in the distribution of oil and gas pools in the Dnieper-Donets Lowland. M. I. Blank and others. Geol. nefti i gaza 8 no. 4:9-16 Ap '64.

Stratigraphic boundaries and oil and gas potentials of the Upper Cretaceous sediments in the Dnieper-Donets Lowland. V. F. Bliznjuk and others. Geol. nefti i gaza 8 no. 4:28-35 Ap '64.

DNIEPER ECONOMIC REGION—CAPITAL INVESTMENTS

Results of scientific research on the economic effectiveness of capital investments in the industry of the Dnieper Economic Region. Dop. AN URSR no. 5,691-695 '64

DNIEPER VALLEY—FORESTS AND FORESTRY

New materials, unused in science, on the southern boundary line of forests in the right-bank area of the Ukraine; interfluve between the Southern Bug and the Dnieper. F. E. Petrun'. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:107-121 '62

DNIEPER VALLEY—GEOLOGY, STRUCTURAL—MAPS

Semenenko, N. P. [Structural geology map of the Ukrainian Crystalline Shield on a 1:1,000,000 scale] Geologo-tektonicheskaia karta Ukrainskogo kristallicheskogo shchita. Masshtab 1 1000000. Kiev, Izd-vo AN USSR, 1964. 14 p. fold. map.

DNIEPER VALLEY—GRAPES—FERTILIZERS AND **MANURES**

Effect of fertilizers on the number of soil micro-organisms and grape yields. L. F. Kut'ko, M. IA. Mel'nik, IU. A. Polesko. Agrobiologiia no. 2 265-270 Mr-Ap '64.

DNIEPER VALLEY—HAWKS

Ecology of the black kite in the Dnieper Valley. V. I. Bulakhov. Ornitologiia no. 6:111-116 '63

DNIEPER VALLEY—LANDFORMS

Relief of the bed of the Pre-Quaternary sedimentary cover of the right bank of the middle Dnieper Valley. K. M. Zaruts'kyi. Dop. AN URSR no. 5:649-653 '64.

DNIEPER VALLEY—MOSQUITOES

Duration of the gonotrophic cycle in mosquitoes Aedes rossicus D. G. M. (Diptera, Culicinae). N. II. Dast'ko, D. B. TSarychkova. Dop. AN URSR no. 5:687-690 '64.

DNIEPER VALLEY—PANELS (BUILDING)

Single-layer wall panels made from local materials in the Dnieper Valley. G. V. Pukhol'skii, M. I. Savin, I. F. Pinaev. Prom. stroi. 41 no. 1:30-33 Ja '64.

DNIEPER VALLEY—RUNOFF

Salazanov, V. V. [Spring runoff of the rivers in the upper Dnieper Basin; conditions governing their formation and the forecasting methods] Vesennii stok rek basseina Verkhnego Dnepra; usloviia formirovaniia i metody prognozov. Leningrad, Gidrometeoizdat, 1964. 141 p.

DNIEPER VALLEY—SOIL MICRO-ORGANISMS

Effect of fertilizers on the number of soil micro-organisms and grape yields. L. F. Kut'ko, M. IA. Mel'nik, IU. A. Polesko. Agrobiologiia no. 2:265-270 Mr-Ap '64.

DNIEPER VALLEY—WATER, UNDERGROUND

Hrudyns'ka, I. T. [Underground waters of the Ukrainian Crystalline Shield (Polesye and the forest steppe)] Pidzemni vody ukrains'koho krystalichnoho shchyta (Polissia ta lisostep). Kyiv, "Naukova dumka," 1964. 107 p. (Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Pratsi. Seriia hidrogeologii i inzhenernoi geologii, no. 11)

DNIESTER RIVER ESTUARY REGION—BOTANY

Change in the landform and vegetation in the estuary section of the floodland of the lower Dniester and its floodlands. L. V. Klementov. Trudy Od. un. 152 Ser. geol. i geog. nauk no. 9:93-106 '62.

DNIESTER VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Tortonian sediments in the Dniester Valley portion of Chernovtsy Province and adjacent provinces. T. A. Moskalenko. Uch. zap. Chern. un. 24. Ser. geol. nauk no. 2:61-72 '60.

DNIESTER VALLEY—GEOLOGY, STRUCTURAL

Mechanism of the formation of some false folds. S. S. Kruglov. Uch. zap. Chern. un. 24. Ser. geol. nauk no. 2: 159-160 '60.

G.M.B.Dobson, on his 75th birthday. Meteor.i gidrol. no.5:63 My '64.

OCUMENTARY MOTION PICTURES see Motion pictures, Documentary

OCUMENTATION—CONGRESSES
Twenty-ninth Conference of the International Federation for Documentation. A I.Mikhailov. NTI no.2:3-5 '64.

ODDER see subdivision under Daugavpils region (Latvia)

OGS
Raising working and hunting dogs] Sluzhebnoe i okhotnich'e sobakovodstvo. Moskva, Izd-vo "Kolos," 1964. 143 p illus.

OLERITES see subdivision under Kurama Range

OLGO-SABUROV, BORIS ALEKSEEVICH
B. A. Dolgo-Saburov - one of the outstanding representatives of Soviet functional anatomy. E. P. Mel'man Arkh.anat,gist.i embr. 43 no.10:115-120 O '62.

OLGUSHIN, NIKITA
Two youths. E Lutskaia. Sov muz. 27 no.12:50-53 D '63

OLICHENUS
'Jupiter Dolichenus, interpretation and synthesis". by P. Merlat. Reviewed by G.A.Koshelenko. Vest.drev ist no.1 172-176 '64.

OLINA (STANISLAV PROVINCE)—OIL FIELDS
Cleaning compounds of alkylaryl sulfonate-type from liquid paraffins of the fraction of 180 to 325° of Dolina oil. E.N.Rybko, O.K.Serdiukova. Dokl.LPI no.1/2 84-87 '63.

Low pour-point fuels from Dolina oil. I .N.Rybko. Dokl.LPI 5 no.1/2:88-91 '63.

OMAIN STRUCTURE
omain structure of mechanically deformed nickel crystals. I.P.Antipin, L.V Kirenskii, M.K.Savchenko. Kristalografiia 9 no.3:129-432 My-Je '64.

omain structure of single crystals of ferrite-garnets of thulium, dysprosium, and therbium. A I.Drokin, B.V.Beznosikov. Kristalografiia 9 no.3:427-428 My-Je '64.

omain structure of uniaxial ferromagnetics. Jan Kaczer. Zhur.eksp.i teor.fiz. 46 no.5:1787-1792 My '64.

Dynamics of the domain structure of thin ferrite plates as dependent on the magnetic field and temperature. A.I.Drokin, D.A.Laptei, R.D.Ivanov. Fiz.tver.tela 6 no.4 1223-1227 Ap '64.

hase boundaries and domain structure in ammonium sulfate crystals. B.A.Strukov, S.D.Toshev. Kristalografiia 9 no.3:426-427 My-Je '64.

OMES
xperimental investigation of aerodynamic characteristics of the domes of astronomical telescopes. N.I.Akatnov. Trudy LPI no 230 132-136 '64.

OMESTIC ANIMALS—WATERING see subdivision under Ili District

OMESTIC ANIMALS, EFFECT OF RADIATION ON
okken, G.G. [Veterinary radiology] Veterinarnaia radiologiia. Moskva, Izd-vo "Kolos," 1964. 268 p. (DNAL)

OMESTIC EDUCATION
evshin, L.A. [Parents ask for advice] Roditeli prosiat soveta. Moskva, Izd-vo "Znanie," 1964. 45 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no.3)

ON RIVER—BREAM
eproduction of the stock of pike perch and bream after the regulation of the flow of the Don River. E.G.Boiko. Trudy AzNIIRKH 1 no.1:287-339 '60.

ON RIVER—PIKE PERCH
eproduction of the stock of pike perch and bream after the regulation of the flow of the Don River. E.G.Boiko. Trudy AzNIIRKH 1 no.1:287-330 '60.

ON RIVER—STURGEONS
onditions for the reproduction of sturgeons in the Don River after the regulation of its flow. E.G.Boiko, V.I. Naumova. Trudy AzNIIRKH 1 no.1:259-280 '60.

ON VALLEY—FORAMINIFERA, FOSSIL
orrelation of the regional stratigraphic schemes of the Paleogene sediments in the lower Don Basin. IU.P Nikitina. Trudy VNIGNI no.38:148-163 '63.

N VALLEY—GEOLOGY, STRATIGRAPHIC
orrelation of the regional stratigraphic schemes of the Paleogene sediments in the lower Don Basin. IU.P. Nikitina. Trudy VNIGNI no.38:148-163 '63.

ON VALLEY—HISTORY, MILITARY
raternal cooperation of the Zaporogians and the Don Cossacks in the struggle against the aggression of the Turks and Tatars in the first half of the 17th century. A.D.Bachyns'kyi. Pratsi Od.un.Zbir.stud.rob. 146 no.4:9-22 '56

Certain regularities in the distribution of oil and gas reserves on the eastern slope of the Voronezh arch. T.A Botneva, V.A.Kirov. Trudy VNIGNI no.40:182-201 '64.

DON VALLEY—SUNFLOWERS
Zhdanov, L.A., ed. [Sunflowers in the Don Valley] Podsolnechnik na Donu. [By] A.P.Alekseev i dr. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1964. 110 p.

DONETS BASIN—ANTHRACITE COAL
Some characteristics of the sorption properties of the anthracite of the eastern Donets Basin I L.Ettinger and others. Dokl.AN SSSR 156 no.5 1099-1101 Je '64.

DONETS BASIN—CARBONATES
Characteristics of the diagenetic redistribution of matter in the arenaceous rocks of coal-bearing sediments in the Donets Basin. P.V.Zaritskii. Lit.i pol.iskop. no.2:131-134 Mr-Ap '64.

DONETS BASIN—COAL
Low coking and noncoking Lower Carboniferous coals from the western Donets Basin used as raw materials for coking. M.D.Shapiro, L.S.Al'terman. Ugol' Ukr. 8 no.3 40-43 Mr '64.

DONETS BASIN—COAL MINERS
The science of mining, from a diary of a president of the mining committee P Kirindas' Sov profsoiuzy 20 no 11 28-29 Je '64

DONETS BASIN—COAL MINES AND MINING
Problems of working deep coal seams in the Donets Basin. A.P.Sudoplatov. Ugol' Ukr. 8 no.3 8-10 Mr '64.

DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY
Degtiarev, V.I. [Labor productivity in Donets Basin mines] Proizvoditel'nost' truda na shakhtakh Donbassa. Kiev, "Tekhnika," 1964. 165 p.

DONETS BASIN—COAL MINES AND MINING—MANAGEMENT
Planning work loads in stopes and awarding bonuses to stopers and engineers of sections and mines in the Donets Basin. D.K.Chuzhinov. Ugol' Ukr. 8 no.3 38-40 Mr '64.

Work of economic councils and bureaus. G. Maksimchko. Bukhg.uchet 21 no 2 35-37 F '64

DONETS BASIN—COAL MINES AND MINING—PRODUCTION STANDARDS
Norms materials developed in the Donets Basin Institute of Coal Research. Sots.trud 9 no.5:96-98 My '64.

DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES
Degasification of coal seams in the Donets Basin. E.D. Alidzaev. Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.5:15-17 My '64.

DONETS BASIN—COAL MINING MACHINERY
Operation of high-speed USB-2 plowing machinery in the Donets Basin. M.P.Lobasov, IU.S.Minko-Ralevich. Ugol' Ukr. 8 no.1:16-20 Ja '64.

DONETS BASIN—COKE INDUSTRY
Emulsification of flotation reagents at the Yasinovka by-product coke plant. A.I.Tolstykh, I.Kh.Plastovets. Ugol' Ukr. 8 no.1,47-48 Ja '64.

DONETS BASIN—ELECTRICITY IN MINING
Using electric power for heat supply in Donets Basin coal mines. M.L.Buzik. Ugol' Ukr. 8 no.3:48 Mr '64.

DONETS BASIN—GEOLOGY, STRATIGRAPHIC
Boundary between the Triassic and Jurassic in the Donets Basin. F.A.Stanislavskyi. Dop.AN URSR no.5:630-642 '64.

Stratigraphy of the Upper Senonian sediments in the northern margins of the Donets Basin. M.IA.Blank, O.S.Lypnyk. Dop.AN URSR no.5:635-638 '64.

DONETS BASIN—ROCKS
Characteristics of the diagenetic redistribution of matter in the arenaceous rocks of coal-bearing sediments in the Donets Basin. P.V.Zaritskii. Lit.i pol.iskop. no.2:131-134 Mr-Ap '64.

DONETS BASIN—ROCKS, IGNEOUS
New data on Devonian igneous activity in the southwestern margin of the Donets Basin. N.V.Buturlinov and others. Dokl.AN SSSR 156 no.4:817-820 Je '64.

DONETS BASIN—SHAFT SINKING
Conditions of engineering geology encountered in shaft sinking in the western Donets Basin. D.A.Tereshkin. Ugol' Ukr. 8 no.3:12-15 Mr '64.

DONETS BASIN—WORLD WAR, 1939-1945
Eternally alive. G.Monastyrenko. Sov.voin 46 no 7: 25 Ap '64

Northern Donets-Donets Basin Canal

DONETS ECONOMIC REGION—COAL MINERS
Councils of workers' honor. M Mamchenko Agitator no.11 29-31 Je '64.

DONETS ECONOMIC REGION—RECRUITING OF EMPLOYEES
Councils of workers' honor. M Mamchenko Agitator no.11 29-31 Je '64

DONETS PROVINCE—STREET NAMES
[Streets named for heroes; sketches] Ulitsy imeni geroev; ocherki [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 117 p

DONETS VALLEY—PLANTS—CHEMICAL ANALYSIS
Concentration of ascorbic acid and catechins with vitamin P activity in fresh and dried wild plants of the Donets virgin steppe. P.P.Lymareva. Farmatsev.zhur. 15 no.5 66-71 '60.

DONETSK PROVINCE—PHARMACY
Achievements in the mechanization of labor-consuming processes in the pharmaceutical establishments of Stalino Province. S.IA.Dehtiar'ov. Farmatsev.zhur. 15 no.4:65-67 '60.

DONETSK PROVINCE—PHARMACY—QUALITY CONTROL
Quality control of drugs in the pharmacies of Stalino Province. H.P.Huba. Farmatsev.zhur. 15 no.4:70-73 '60.

DONETSK PROVINCE—TURKISH LANGUAGE—DIALECTS
Materials on the dialects of the Turkic-speaking Greeks (the Urumy) in the Donetsk Province of the Ukrainian S.S.R. S N.Muratov Krat.soob Inst.nar Az no 72: 178-191 '63.

DOPPLER EFFECT
Dudko, G.K., and G.B.Reznikov. [Doppler devices for the measurement of speed and drift angle of an airplane] Dopplerovskie izmeriteli skorosti i ugla snosa samoleta. Moskva, "Sovetskoe radio," 1964. 343 p.

Influence of the band-width effect on the parameters of the U,B,V system. V.Straizys, K.Zdanovicius. Astron.zhur. 41 no.3,519-522 My-Je '64.

Method for determining the kinetic temperature of a gas. N.S.TSkhai. Teplofiz.vys.temp. 2 no.2 294-296 Mr-Ap '64.

Photoelectric scanning method for measuring the Doppler shift of a spectral line E.M.Drobyshevskii. Prib.i tekh eksp. 8 no 6 145-149 N-D '63

DORMANCY IN PLANTS
Liashenko, N.I [Biology of dormant buds] Biologiia spiashchikh pochek. Moskva, Izd-vo "Nauka," 1964. 85 p.

Some characteristics of the dormancy period in currants and gooseberries as related to freeze injuries. A.S. Ravkin. Agrobiologiia no.2:314-317 Mr-Ap '64.

DOSIMETRIC MEDICINE see Medicine, Dosimetric

DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881
Etudes by Dostoevskii. M.S.Al'tman. Izv.AN SSSR, Ser lit i iaz. 22 no.6:486-498 N-D '63.

DOUBLE BONDS
Activity of the double bond of substituted 2-vinylpyridines. A.N.Kost, P.B.Terent'ev, M.A.Chernova. Vest. Mosk.un.Ser.2: Khim. 19 no.2,59-63 Mr-Ap '64.

DOUBLE SALTS see Salts, Double

DOVATOR, LEV MIKHAILOVICH, 1903-1941
Like a song. Pavel Fedorov. Sov.voin 46 no.7:30 Ap '64.

DRAINAGE
(see also subdivision under Archangel Province; Bukhara Province, Mugan Steppe; Northern Dvina Valley; Sal'yan Steppe; White Russia; Yakhroma Valley)

Effect of vertical drainage on the mineralization of underground waters. Kh.A.Kadyrov. Izv.AN Uz.SSR.Ser. tekh.nauk 8 no.1:55-60 '64.

Efficiency of drainage installations in nonuniform media according to the water permeability of the foundations of concrete dams. E.IA.Romanova. Vop.fil'tr.rasch. gidr.soor. no.4:130-141 '64.

Scientific-technical conference on the use of polymers in agriculture. A.IA.Gol'din. Khim.v sel'.khoz. 2 no.1: 57-59 Ja '64.

Vacuum drainage of the underground parts of buildings. V.M.Grigor'ev. Vop.fil'tr.rasch.gidr.soor. no.4: 77-90 '64.

DRAINAGE—EQUIPMENT AND SUPPLIES
Excavators in the construction of tile drainage. V.Karlovskii. Tekh.v sel'khoz. 24 no.3:37-38 Mr '64.

DRAINAGE—RESEARCH
In the Department of Hydraulic Engineering and Land Improvement Vest.sel'khoz.nauki 9 no.4:147-151 Ap '64.

[illegible] detskikh sadov Leningrada. Moskva, Prosveshchenie, 1964 173 p illus.

DRAWING (METALWORK)

[illegible] alloys IU.P [illegible] N.B [illegible] '64

DRAWING INSTRUMENTS

[illegible] and hyperbolic curves [illegible] 156 no 5 1049-105 [illegible]

DREDGING

[illegible] of dredging operations, review [illegible] Mor. flot 24 no.3 [illegible]

DREDGING MACHINERY

[illegible] suction dredging machinery. B M [illegible] Trudy MIIT no 176 100-107 '63.

DREISER, THEODORE, 1871-1945

Zasurskii, IA.N. [Theodore Dreiser] Teodor Draizer. [Moskva] Izd-vo Mosk. univ., 1964. 317 p.

DRESDEN, BATTLE OF, 1945

[illegible]" V. Galitskii. Voen.-ist. zhur. 6 no.5 31-43 My '64.

DRILL (AGRICULTURAL IMPLEMENT)

[illegible] drills A Alesian, V. Moiseev. Ekon sel'khoz. 3[illegible] 5 64-67 My '64

[illegible] drill [illegible] A. Nosov. Tekh. v sel'khoz. 4 [illegible] 13-4[illegible] Ap '64.

DRILLING AND BORING

Drilling of deep holes in components from heat resistant [illegible] IA. A. [illegible] V. F. Kovalenko. Energomashinostroenie 10 no.4 33-36 Ap '64.

[illegible] of geometric errors in a turret lathe on the precision of drilling holes D Khalilov Izv AN Uz SSR [illegible] 7 no 6 50-59 '63

[illegible] boring of reinforced concrete. N. IA. Ivanenko, M B. [illegible], B M Rogachevskii. Biul. tekh.-ekon. [illegible] Gos. nauch.-issl. inst nauch. i tekh. inform. 17 [illegible] 30-31 '64

Kniazev, N.M. [High efficiency tools; for turners and drillers] Instrumenty vysokoi proizvoditel'nosti; dlia tokarei i sverlovshchikov. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 51 p. (Shkola molodogo rabochego)

Slavenchinskii, I.S., and G E Khromchenko. [Cutting holes and grooves in concrete] Probivka otverstii i borozd v betone. Izd 2 Moskva, Izd-vo "Energiia," 1964 46 p. (Biblioteka elektromontera, no. 128)

Zamalin, IU. S [Drilling holes in parts of machinery housings] Rastachivanie korpusnykh detalei. Moskva, Izd-vo "Mashinostroenie," 1964. 109 p.

DRILLING AND BORING MACHINERY

Geometrical precision of horizontal boring machines and its effect on the precision of hole machining. V. I. [illegible]. Trudy DVPI 56 no. 1:85-105 '62.

DRILLING FLUIDS

Use of a [illegible] system for obtaining a high-quality weighting compound for drilling mud from pyrite cinders I N [illegible], V P Shurygin S M Pushkarskii. Trud MFI [illegible] 98 187-200 '63.

DRINKING WATER see subdivision under Kara-Chumysh Reservoir

DROGOBYCH DISTRICT—MINING GEOLOGY

Resistance to faulting of ore-bearing and enclosing rocks in the Stebnik potash deposit. P V. Kolpak, G. S. Belan. Nauch. zap Ukrniiproekta no. 10.58-70 '63

DROGOBYCH DISTRICT—POTASH

Hydrogeological conditions of the Stebnik potash deposit and the possible effect on them of mining operations. G.S. Belan Nauch. zap Ukrniiproekta no. 10 117-126 '63.

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DROPS

Determining the drop contact angles and coefficients of the drop spreading of the aqueous solutions of fluosilicic acids and sodium fluorides. A. A. Enman and others. Nauch. zap. Od. politekh. inst. 40:77-82 '62.

DROUGHTS

(see also subdivision under Altai Territory; Ukraine)

The "Ershovskii" State Farm successfully copes with the drought M V. Aksel', V I Kafarena Zemledelie 26 no 2 19-26 F '64

Ways for surmounting droughts. P K Kabanov Zemledelie 26 no 2 12-18 F '64

New medical remedies. Farmatsev. zhur. 14 no. 3:81-86 '59.

New medical remedies. Farmatsev. zhur. 14 no. 4:86-90 '59.

New medical remedies. Farmatsev. zhur. 15 no. 4:78-83 '60.

New medical remedies. Farmatsev. zhur. 15 no. 5 83-89 '60.

New medical remedies. Farmatsev. zhur 16 no 4:80-86 '61

New medical remedies. Farmatsev. zhur. 17 no. 6 82-86 '62.

DRUGS—ADULTERATION AND ANALYSIS

Color reaction of 4-aminoantipyrine with medicinal preparations M. P IAvors'kyi Farmatsev. zhur. 16 no 4.31-35 '61.

Method for quick approximate quantitative determination of solutions of novocaine, atropine sulfate and calcium chloride. L. M Sol'ts, A. M Sergeieva Farmatsev. zhur 15 no 4.22-25 '60

Methods for the analysis of certain groups of pharmaceutical preparations listed in the 8th edition of the State pharmacopeia. TS I. Shakh, F. IU Kahan. Farmatsev. zhur. 17 no. 6.14-18 '62.

Specific semimicroreactions for some pharmaceutical preparations. H A Vaisman, L I. Rapaport, O. M. Konan. Farmatsev zhur 16 no. 4:8-11 '61

DRUGS—MICROBIOLOGY

Comparative evaluation of the contamination of liquid drugs by micro-organisms. IU. S. Nabokov, M. M. Samsonova. Farmatsev. zhur. 15 no. 4:53-55 '60.

DRUGS—PRESERVATION

Improve the packaging and preservation of medicaments. H. R. Palamarchuk. Farmatsev. zhur. 15 no. 5 80-82 '60.

Stability and compatibility of dibazol in mixtures during prolonged storage. S. L. Voskoboinyk, V. I. Popova. Farmatsev. zhur. 17 no. 6 54-57 '62.

DRUGSTORES

(see also subdivision under Cherkassy Province, Crimea; Kharkov Province; Kiev Province; Lugansk Province; Lvov Province; Poltava Province; Stol'noye, Ukraine; Ukraine; Velikiy Bereznyy, Transcarpathia; Zhitomir; Zhitomir Province)

Brief news and information. Farmatsev. zhur. 15 no. 4:81-94 '60.

DRUGSTORES—INSPECTION

More on labels and silent inspection in pharmacies. B. P. Mel'nychenko. Farmatsev. zhur. 14 no. 3:70-73 '59.

DRYING

Investigating heat and mass transfer in the process of sublimation drying of liquid materials. A S. Ginzburg, M. V. Podol'skii. Inzh.-fiz zhur 7 no. 5:28 33 My '64.

Mechanism of radiant heat supply for sublimation drying. E. I. Guigo. Inzh.-fiz. zhur. 7 no. 5 110-120 My '64.

Methods for determining some moisture transfer coefficients by the curves of drying kinetics. N. V. Seleznev. Inzh.-fiz. zhur. 7 no. 5 23-27 My '64.

DRYING APPARATUS

Analysis of energy and mass transfer in the vertical chambers of pulverizing drying apparatus and capless scrubbers B. I. Leonchik. Trudy MEI no. 48:15-22 '63

DUCKS see subdivision under Engure, Lake; Latvia

DUCKS—DISEASES AND PESTS

Therapeutic effectiveness of the natural gastric juice in paratyphoid fever in ducklings M. M Feklistov, V I Krikov Nauk pratsi Zootekh. fak. Kam.-Pod sil'hosp. inst. 5:32-33 '63

DUCKS—PARASITES see Parasites—Ducks

DUMP TRUCKS—MAINTENANCE AND REPAIR

Avdon'kin, F. N. [Maintenance and repair of the lifting device of ZIL-MMZ dump trucks] Tekhnicheskoe obsluzhivanie i remont pod"emnogo mekhanizma avtomobilei-samosvalov ZIL-MMZ. Izd. 3., perer. i dop. Moskva, Transport, 109 p.

DUMP TRUCKS—TRANSMISSION DEVICES

Hydromechanical transmission of heavy-duty dump trucks. IU. S. Gushchin. Avt. prom. 30 no. 3 29-33 Mr '64

DUMY

Genre transformation of Ukrainian dumy. B. P. Kirdan. Rus. fol'k. 8:41-50 '63.

DUODENUM—SURGERY

Blood sugar levels in dogs following subtotal resection of the pancreas and pancreatic duodenal resection [with summary in English] V. I. Serga. Eksp. khir. i anest 8 no. 5:37-40 S-O '63.

[illegible]

DUODENUM—ULCERS

Lesion of bile ducts during radical gastrectomy [illegible] located hemorrhagic gastric ulcers and [illegible] duodenal stump by [illegible] Smelovskii Khirurgiia [illegible]

DUST—MICROBIOLOGY

Role of dust in the distribution mechanism of [illegible] infections [illegible] 162 '60.

DUST—REMOVAL

Combatting dust in the [illegible] Chusovoy Metallurgical Plant P A. [illegible] others. Nauch. trudy PermNIUI no. [illegible]

Protecting the equipment of compression stations [illegible] gas pipelines from dust. V. I. [illegible] no. 6:39-41 '62.

Sanitary and hygienic working conditions in the production of ferrovanadium and combatting dust during [illegible] grinding of charging materials in ball mills [illegible] P A Kolevatov and others. Nauch. trudy PermNIUI [illegible] 171-178 '62.

DUST COLLECTORS

Collecting of a dustlike catalyst. [illegible] prom. no. 10:785-788 O '63.

Dust collecting equipment for use in rock drilling [illegible] Kizel Basin. E. G. Zyrianov and others [illegible] PermNIUI no. 1:146-165 '62.

Individual dust removing aggregates. [illegible] Okhr. truda i sots. strakh. [illegible]

Using dust collected by electrostatic filters [illegible] kiln flue gases. D. P. Polivoda. [illegible] tsem. prom. no. 1.16 [illegible]

DUVANNYY OIL FIELD—MINERAL WATERS

Chemical characteristics of [illegible] the productive formation of the Duvannyy field. [illegible] Agadzhanov. Izv. vys. ucheb. zav.; neft' i gaz [illegible] 15-17 '63.

DYAT'KOVO (BRYANSK PROVINCE)—WAGES—FURNITURE INDUSTRY

Continuous mixed shifts at a furniture enterprise [illegible] Orlikov Der. prom. 13 no. [illegible] My '64.

DYES AND DYEING

Composition of dyes for stamps used in [illegible] rubber materials. M. V. [illegible] 12 no. 5:39 My '61.

Reversible discoloration of solid [illegible] in hydrazine vapors. A. T. Vartanian. Zhur. fiz. [illegible] 36 no. 9:1890-1898 S '62.

Structure of the reaction groups of active dyes. [illegible] A Chekalin, R. S. Chlenova, K. M. Khaikina. [illegible] no. 10:744-747 O '63.

DYES AND DYEING—CELLULOSE

Analyzing the process of desorption of [illegible] dyes from dyed cellulose fibers. [illegible] Balashova. Tekst. prom. 24 no. 4 [illegible] Ap '64

DYES AND DYEING—COTTON

Single-bath process for dyeing and finishing cotton fabrics. T. D. Zakharova, R. M. Shchegoleva. Tekst. prom. 24 no. 4:54-56 Ap '64.

DYES AND DYEING—LEATHER

Synthesis of casein-acrylate film-forming materials for the surface dyeing of leather. [illegible] M. Shuler, S. I. Trakhtenberg. Dokl. LPI 6 no. 1/2:[illegible]

DYES AND DYEING—RAYON

Use of dispersion dyes for dyeing acetate fibers. Report No. 2. F. I. Sadov, K. G. Kalinina, S. A. Puzanova. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:47-51 '64.

DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Androsov, V. F. [Dyeing of polyamide fibers] Krashenie poliamidnykh volokon. Moskva, Izd-vo "Legkaia industriia," 1964. 207 p.

DYES AND DYEING—WOOL

Effect of the pH of the dyebath on the mechanical strength of dyed wool. K. M. Sidnova, S. A. Plemiannikova, V. P. Bolno-Bodzevich. Tekst. prom. 24 no. 1.59 61 Ap '64.

DYNAMICS

Time of emergence of a dynamic system from a given region under conditions of fluctuation. V. M. [illegible]. Dop. AN URSR no. 5:583-586 '61.

Work of the section of dynamics of the seminar on mechanics at the Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. O. O. Horoshko. Prykl. mekh. 10 no. 3:346-347 '64.

[illegible]

EARTH

[illegible]

EARTH—INTERNAL STRUCTURE

[illegible]

[illegible]

ECONOMICS—STUDY AND TEACHING

[illegible]

[illegible] A Arzumanian Vop ekon no.6 3-18 Je '64

[Program on the principles of political economy, for clubs of the political education system] Politines ekonomijos pagrindu programa, politinio svietimo sistemos rateliams. Vilnius, Laikrasciu ir zurnalu leid,kla, 1963. 29 p. [In Lithuanian]

Seminar studies in the evening departments of institutions of higher learning O.Suleimanov Nauch dokl.vys shkoly ekon nauki 7 no.1:99-104 '64

ECONOMICS, MATHEMATICAL

Application of mathematics in planning prices A Komin Plan khoz 41 no 6 29-38 Je '64

From the editor Plan khoz 41 no 6 95 Je '64

[illegible] data for planning currency circulation G [illegible] Plan khoz 41 no 6 39-43 Je '64

ECONOMICS, MATHEMATICAL—STUDY AND TEACHING

Seminar on teaching the methods of using mathematics and computing machines in economic calculations. I Fedorovich Vop.ekon no.5 137-139 My '64.

ECUADOR

A collective work on Ecuador. E.V.Rubtsova. Nov i noveish.ist. no.1:159-160 '64.

ECUADOR—RELATIONS (GENERAL) WITH RUSSIA

We are with you, comrades N Mostovets Agitator no 9 25-26 My '64

ECZEMA

ACTH and corticosteroid hormones in the treatment of eczema in nursing infants and young children [with summary in English] M E Lipets Vest derm i ven 37 no 9 29-34 S '63

EDUCATION

(see also subdivision under Afghanistan; Azerbaijan)

That which is perturbing D.Shcherbakov Oktiabr' 40 no 1 176-178 Ja '64

Zhurakovskii, G.E. [Essays on the history of pedagogy in antiquity] Ocherki po istorii antichnoi pedagogiki. Moskva, Izd-vo Akad.pedagog. nauk RSFSR, 1963. 509 p.

EDUCATION—PERIODICALS

How to write in our periodical E.Adamovich Nach. shkola 32 no.5,85-90 My '64.

EDUCATION, COMPULSORY see subdivision under Ukraine

EDUCATION, COOPERATIVE

(see also subdivision under Chelyabinsk, Leningrad)

Connection between training and productive work. V.S. Il'in Shkola i proizv. 8 no 7:15-16 Jl '64

Let's alternate mental and physical work. N.I.Verbliudov. Shkola i proizv. 8 no.6 91 Je '64.

Organizing the production work of students. P.V.Pegov. Shkola i proizv. 8 no.6 17-21 Je '64.

Our common tasks S S.Tolmachev Shkola i proizv 8 no 7:6-9 Jl '64

P.P.Blonskii on work training and vocational education. A.I.Sviatkin Shkola i proizv. 8 no.6 2-5 Je '64.

Program should be stable. V.S.Arshanskii. Shkola i proizv. 8 no.6,33-34 Je '64.

EDUCATION, ELEMENTARY

(see also subdivision under Vladimir Province)

Bookshelf. Nach.shkola 32 no.5;91-94 My '64

Development of an elementary knowledge and skills in electric engineering. I.IA.Abarinov. Nach.shkola 32 no.5:39-45 My '64.

Planning as an important condition of successful work. G.I.Luchinin, L.E.Til'man. Nach.shkola 32 no.5; 35-38 My '64.

Their practice deserves attention. IU.IA.Levkov. Nach.shkola 32 no.5;27-30 My '64.

EDUCATION, HIGHER

[Admission rules and programs for students entering institutions of higher learning of the U.S.S.R. in 1964] Pravila priema i programmy dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1964 godu. Moskva, Vysshaia shkola, 1964. 61 p.

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] Biul.Min.vys.i sred. spets.obr.SSSR nos 6-7 Je-Jl '64.

Leningrad. Universitet. [Training and teaching problems at the universities] Voprosy vospitaniia i prepodavaniia v universitete; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1964. 138 p.

EDUCATION, PRESCHOOL

(see also subdivision under Dinskaya District; Moscow; Voronezh Province)

Development of space concepts in construction. E.Kossakovskaia. Doshk.vosp. 36 no.12;44-48 D '63.

Educators exchange experience. M.Shcheglova and others. Doshk.vosp. 37 no.5:18-27 My '64.

Life for the people. Doshk.vosp. 36 no.12;3-5 D '63.

Press on preschool education. Doshk.vosp. 37 no.5; 29-33 My '64.

Toward new successes in preschool education Doshk. vosp. 36 no.12;1-2 D '63.

EDUCATION, PRESCHOOL—PERIODICALS see subdivision under Czechoslovakia

EDUCATION, RURAL

Books for agricultural workers B Ileshin Part zhizn' no 11 72-73 Je '64

EDUCATION, SECONDARY see subdivision under Moscow

EDUCATIONAL RESEARCH see subdivision under Leningrad

EFFICIENCY, INDUSTRIAL

(see also subdivision under Leningrad)

Two seven-year plans in five years V Liaptsov Agitator no 9 43-45 My '64

EGGS

Comparative evaluation of the action of novoembichin, histamine and egg yolk on the development of experimental plague. V.N.Zilfian, A.V.Noramirian. Zhur. mikrobiol.,epid.i immun. 40 no.5 77-83 My '63.

EGOROV, BORIS GRIGOR'EVICH, 1892-

Boris Grigor'evich Egorov, on his 70th birthday Khirurgiia 38 no 12 120-121 D '62.

EGYPT—ARABIC LANGUAGE—DIALECTS

Broadening the analytic sphere of modern Arabic dialects, from materials on the Egyptian, Syrian, and Iraqi dialects. G Sh.Sharbatov. Krat soob.Inst.nar Az. no 72 54-58 '63

EGYPT—FOREIGN RELATIONS—RUSSIA

Editorial comment Nov vrem 21 no 23 1-3 Je '64.

History of the establishment of diplomatic relations between the U.S.S.R and Egypt. Mezhdunar.zhizn' 11 no.6 157-160 Je '64.

Joint statement on conversations between N.S Khrushchev, Chairman of the U S S R. Council of Ministers and Gamal Abdel Nasser, President of the United Arab Republic Supplement Nov vrem 21 no 23:33-40 Je '64

Roots of Soviet-Arab friendship. Sovremennik. Nov. vrem 21 no 22 1-5 My '64.

EGYPT—HYDROBIOLOGICAL RESEARCH

Brief news and information. Zool.zhur. 43 no.2:300-317 '64.

EGYPT—TEMPLES

"Role of the temple in the royal economy of ancient Egypt" by I.A.Stuchevskii. Reviewed by I.V.Chichesov. Vest.drev.ist. no.1;156-158 '64.

EGYPT—WORLD WAR, 1939-1945

Failure of operation "Condor." S.Mirlina. Voen.-ist. zhur. 6 no.5;104-111 My '64.

EGYPTIAN ART see Art, Egyptian

EGYPTOLOGY

Leningrad. Universitet. Vostochnyi fakul'tet. Kafedra stran drevnego Vostoka. [Assyriology and Egyptology] Assiriologiia i egiptologiia; sbornik statei. [Leningrad] Leningr. univ., 1964. 126 p.

EGYPTOLOGY—BIBLIOGRAPHY see Bibliography—Egyptology

EIGENFUNCTIONS

Expansion in eigenfunctions of systems with summable potentials. F.S.Rofe-Beketov Dokl. AN SSSR 156 no.5,1029-1032 Je '64.

Invariant expansions of relativistic amplitudes. N.IA. Vilenkin, IA.A.Smorodinskii. Zhur.eksp.i teor.fiz. 46 no.5;1793-1808 My '64.

EIGENVALUES

Asymptotic estimates of the error of projection methods in the eigenvalue problem. G.M.Vainikko. Zhur. vych.mat.i mat.fiz. 4 no.3;405-425 My-Je '64.

Bochek, I.A. [Program for calculating eigenvalues and eigenvectors of a symmetrical matrix] Programma vychislenii sobstvennykh znachenii i sobstvennykh vektorov simmetricheskoi matritsy. Moskva, 1964. 23 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2, no.7)

Iterative methods for finding the eigenvalues of self-adjoint operators. F.Kunert. Zhur.vych.mat.i mat.fiz. 4 no.1:143-145 Ja-F '64.

Use of a new reduction method in the problem of eigenvalues for partial differential equations. R.Klotzler. Zhur.vych.mat.i mat.fiz. 4 no.3: 434-448 My-Je '64.

EIGENVECTORS

Bochek, I.A. [Program for calculating eigenvalues and eigenvector of a symmetrical matrix] Programma vychislenii sobstvennykh znachenii i sobstvennykh vektorov simmetricheskoi matritsy. Moskva, 1964. 23 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2, no.7)

no.1.102-114 My '64.

ELASTIC PLATES AND SHELLS

Accurate analytical solutions for the shells of [illegible] A.D.Kovalenko Prykl.mekh. 10 no.3:[illegible] '64

Approximate analysis of [illegible] of plates and shells. V.I.Rozenblium. Issl.po uprug.i plast. [illegible] 89-95 '64.

Calculation of an obliquely cut cylindrical shell V.M. Mal'kov Issl.po uprug.i plast. [illegible] '64

Critical frequencies in sound propagation [illegible] liquid layered nonuniform half-space bounded by a thin elastic plate V.IU.Zavadskii Akust.zhur. 10 no.2.167-173 '64.

Differential equations for the elastic equilibrium of shells of revolution with meridional [illegible] and temperature loads L.O.Il'yin. Prykl.mekh. [illegible] no.3:[illegible]-262 '64.

Equations in the inversely symmetrical [illegible] shell of revolution with meridional ribs. V.A.[illegible] Issl.po uprug.i plast. [illegible] '64.

Kornishin, M.S. [Nonlinear problems in the theory of plates and shallow shells and methods for their solution] Nelineinye zadachi teorii plastin i pologikh obolochek i metody ikh resheniia. Moskva, Izd-vo "Nauka," 1964. 191 p.

Loss of stability by a convex shell under the pressure of a tightly stretched thread. V.V.[illegible] Dokl. AN SSSR 156 no.5:[illegible] Je '64.

Maxwell-Mohr's formulas in the theory of shells. [illegible] Rozin. Issl.po uprug.i plast. [illegible] '64.

Sound transmission through a thin plate on supports. E.L.Shenderov Akust.zhur. 10 no.2:[illegible] '64

Stability of a loaded heated flexible plate with [illegible] flexure. S.M.Durgar'ian. Dokl. AN Arm.SSR [illegible] no.5:271-276 '64.

Stability of shallow shells subjected to the action of forces applied along the contour. V.V.Petrov. Prykl. mekh. 10 no.3;247-253 '64.

Stress distribution in a spherical shell with a hole the edge of which is reinforced with an elastic ring V.M. Buivol, S.O Holobordel'ko, K.I.[illegible] Prykl.mekh. 10 no.3;263-270 '64.

A thermoelasticity problem for a thin cylindrical shell and a plate. K.K.[illegible], H.M.[illegible] Issl.po uprug.i plast. no.3:75-87 '64.

Two mixed problems for a shell whose middle surface has the shape of an arch dam. V [illegible], A.K Khvoles. Trudy Vych.tsentr.AN Gruz.SSR [illegible] '64.

Vibration of a system of numerous linked [illegible] shell. M.M.Smirnov. Issl.po uprug.i plast. [illegible] 123 '64.

Vibrations of a three-layered shell with a light filler V.K.Kabulov. Izv.AN Uz.SSR.Ser.tekh.nauk [illegible] 27-30 '64.

Zero-moment shallow shells of equal resistance with a curvilinear surface. P.M.Varvak, [illegible] Varvak. [illegible] AN URSR no.5:588-591 '64.

Zero-moment theory of shells. [illegible] Issl. po uprug.i plast. [illegible] '64.

ELASTIC PLATES AND SHELLS—THERMAL PROPERTIES

Unsteady heat conductivity of a thin shell. V.A. Rodionova. Issl.po uprug.i plast. [illegible] '64.

ELASTIC PLATES AND SHELLS—VIBRATION

Perturbation waves in plates of variable thickness subjected to longitudinal vibrations. M.P.Petrenko Prykl.mekh. 10 no.3;337-340 '64.

Vibrations of a conical shell. I.A.Aleshina. Issl.po uprug.i plast. no.3:107-113 '64.

Vibrations of a cylindrical shell. I.IA.Kiiko. Issl. po uprug.i plast. no.3:265-270 '64.

ELASTIC RODS AND WIRES

Khochumov, R.A. [Variational method for calculating constituent rods of variable cross section] Variatsionnyi metod rascheta sostavnykh sterzhnei peremennogo secheniia. Moskva, Mosk. inzhenerno-stroitel'nyi in-t im. V. V. Kuibysheva, 1962. 76 p.

[MICROFILM]

ELASTIC RODS AND WIRES—VIBRATION

Study of the forced vibrations of a rod allowing for the spring-back of the material. I.I.Krush. Dop. AN URSR no.5:580-582 '64.

ELASTIC SOLIDS

Almansi's problem for a homogeneous anisotropic, cylindrical body. G.M.Khatiashvili. Trudy Vych tsentr.AN Gruz.SSR 4:43-70 '64.

Almansi's problem for a sectional anisotropic cylindrical body. G.M.Khatiashvili. Trudy Vych.tsentr.AN Gruz. SSR 4:29-42 '64.

Method for studying certain two-dimensional boundary value problems involving an anisotropic elastic body for multiply connected regions. M.O.Basheleishvili Trudy Vych.tsentr.AN Gruz.SSR 4:141-166 '64.

[illegible]

ELECTRIC ARC

[illegible]

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC CABLES

[illegible]

ELECTRIC CONDUCTIVITY

[illegible]

ELECTRIC DIPOLE MOMENTS see Dipole moments

ELECTRIC DISCHARGES THROUGH GASES

[illegible]

[illegible] no.2 73-76 '64.

[illegible] characteristics measured by various kinds of [illegible] large plasma in mercury and [illegible] N. I. Ionov, A. IA. Lontegode. Zhur. [illegible] 2 [illegible]-300 [illegible] '64.

[illegible] of oxygen and carbon isotopes between carbon dioxide and the products of its dissociation in a [illegible] discharge. IU. P. Andreev, I. A. Semekhin, G. M. [illegible] Zhur. fiz. khim. 38 no.4:1032-1035 [illegible] '64

[illegible] with ambipolar diffusion in a [illegible] plasma. V. I. Solunskin, B. L. Timan. Zhur. [illegible] 34 no. 2 262-265 [illegible] '64

ELECTRIC DRIVING

All-[illegible] Scientific and Technical Conference on Electric Drives in Ferrous Metallurgy Plants. A. N. [illegible]. Prom. energ. 17 no. 6 30-31 Je '62.

[illegible] d. c. drives. Prim. usoversh. skhem elektropriv. v prom. no. 1 40-55 '63

Automated electric drives in industrial mills and mechanisms. Prim. usovershh skhem elektropriv v prom. no. 1 3-40 '63

Automated industrial a. c. drives. Prim. usovershh skhem elektropriv. v prom. no. 1,55-81 '63

Kluchev, V. I. [Choice of electric motors for industrial mechanisms] Vybor elektrodvigatelei dlia proizvodstvennykh mekhanizmov. Izd 2. Moskva, Izd-vo "Energiia," 1964 (Biblioteka elektromontera, no 127)

ELECTRIC DRIVING—BIBLIOGRAPHY see Bibliography—Electric driving

ELECTRIC DRIVING—ELECTROMECHANICAL ANALOGIES

Use of the similitude theory in generalized electrical modeling of an electric drive. F. M. Shlykov. Trudy MEI no. 53:153-159 '64

ELECTRIC ENGINEERING

[illegible] Prom. energ. 17 no. 6 53 Je '62

Kuznetsov, M. I. [Principles of electrical engineering] Osnovy elektrotekhniki. 9. izd., ispr. Pod red. S. V. Strakhova. Moskva, Vysshaia shkola, 1964. 558 p.

On A. S. Kasatkin's book. IA. D. Plotkin, N. I. Shrag. Priborostroenie no.3:29-30 Mr '64.

Pedusaar, Heino. [Electrical and radio engineering for beginners] Elektro - ja raadiotehnika algajaile. Teine, täiendatud trükk. Tallinn, Eesti Riiklik Kirjastus, 1963. 396 p. [In Estonian]

Thirtieth Anniversary of the Department of Electrical Engineering. Trudy MEI no. 39,5-38 '62

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

Koshman, G. P. [Safety manual for electricians engaged in electric equipment and electric structure rigging operations] Pamiatka po tekhnike bezopasnosti dlia elektromontera pri takelazhe elektrooborudovaniia i elektrokonstruktsii. Moskva, Stroiizdat, 1964. 37 p. (Tekhnika bezopasnosti v stroitel'stve)

Ostrovskii, M. L. [Manual for the electrician; repair, installation, and operation of electrical equipment] Spravochnoe posobie elektromontera; remont, montazh i ekspluatatsiia elektrooborudovaniia. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 213 p.

ELECTRIC ENGINEERING—JUVENILE LITERATURE

Popov, B. V. [The young electrician] IUnyi elektrotekhnik. Perm', Permskoe knizhnoe izd-vo, 1959. 85 p.

ELECTRIC ENGINEERING—LABORATORY MANUALS

Glebovich, A. A. [Laboratory work in electrical engineering and the principles of industrial electronics] Laboratornye raboty po elektrotekhnike s osnovami promyshlennoi elektroniki. Moskva, Vysshaia shkola, 1964. 185 p.

ELECTRIC ENGINEERING—NOTATION

Signs and figures on diagrams. A. Koptev. Tekh. i vooruzh. no. 1 34-38 Ja '64.

ELECTRIC ENGINEERING—SAFETY MEASURES

Koshman, G. P. [Safety manual for the shop workers of electric equipment installation administrations] Pamiatka po tekhnike bezopasnosti dlia rabochikh masterskikh elektromontazhnykh upravlenii. Moskva, Stroizdat, 1964. 45 p. (Tekhnika bezopasnosti v stroitel'stve)

ELECTRIC ENGINEERING—SAFETY REGULATIONS

Skosyrev, V. P. [Safety manual for workers engaged in the maintenance and repair of electric filters] Pamiatka po tekhnike bezopasnosti dlia rabochikh po obsluzhivaniiu i remontu elektrofil'trov. Moskva, Stroiizdat, 1964. 38 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

[illegible]

Improvement of the electrical engineering curriculum in electrical engineering institutions of higher learning. P. A. Ionkin. Elektrichestvo no. 1 81-83 Ja '64

Some aspects of outlining a course in theoretical principles of electrical engineering. A. A. IAnko-Triinitskii. Elektrichestvo no. 1 84 Ja '64

ELECTRIC FIELDS

Electric field in a magnetohydrodynamic rectangular channel with nonconducting walls. S. A. Regirer. PMTF no. 3 60-68 My-Je '64

Stimulating action of an electric field on the quality of gluten [with summaries in English, German, and French]. A. M. Basov, V. N. Shmigel', T. A. Peregudova. Vest. sel'khoz. nauki 8 no. 9:84-87 S '63

ELECTRIC FILTERS

Filtration of a monochromatic signal by a phase frequency trim system. V. V. Shakhgil'dian, A. A. Liakhovkin. Elektrosviaz' 18 no. 4:11-18 Ap '64.

Selective properties of LC-filters used in frequency setups of telemechanics. D. A. Abdullaev, T. A. Zakirov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 1. 21-27 '63.

Synthesis of low frequency filters with transfer characteristics close to monotone ones. I. I. Trifonov. Elektrosviaz' 18 no. 4:27-35 Ap '64.

ELECTRIC FILTERS—TESTING

Rapid method for determining the quality of the performance of electric filters. M. L. Varlamov, A. A. Ennan, L. M. Kozakova. Nauch. zap. Od. politekh. inst. 40 73-76 '62.

ELECTRIC FUSES

Information of the Electric Equipment Industry Administration of the Leningrad Economic Council on the manufacture of selective system type fuses. Trudy LIEI no 41 198-202 '62.

New modifications of selective system type fuse inserts. B. L. Aizenberg, P. E. Trofimov. Trudy LIEI no 41: 195-198 '62

Test data on PR-2 and PN-2 fuses. E. D. Treivish. Trudy LIEI no 41 190-195 '62

ELECTRIC GENERATORS

A. C. generators with permanent magnets using new types of magnetic materials. V. A. Balagurov. Trudy MEI no. 39;207-231 '62.

Capacitive regulation of the voltage of a. c. generators with permanent magnets. F. F. Galteev, V. G. Morozov. Trudy MEI no 39;291-302 '62.

Collectorless d. c. generators. S. Bokhian. Prom. Arm. 7 no 2 60-64 F '64

Development of a generator of pulsed voltages for 4,000 kv. V. Kalantarian, N. Keshishoglian, A. Torosian. Prom. Arm. 7 no 2 32-36 F '64

Group control of the excitation of synchronous generators with strong action regulators. L. V. Rosman. Elek. sta. 35 no. 3 41-43 Mr '64

Parallel saturable reactors in voltage regulatory systems of a. c. generators with permanent magnets. F. F. Galteev. Trudy MEI no. 39;233-240 '62

Protection of generators from negative current sequence overloads. E. V. Lysenko. Elektrichestvo no. 5;17-22 My '64.

Transistorized measuring element of an automatic excitation controller. I. S. Kurdiani. Trudy GPI [Gruz.] no. 3,71-82 '63.

ELECTRIC HEATING

Optimal conditions for gluing parquet boards with heating in a high-frequency electric field. L. A. Ponomareva. Der. prom. 13 no. 6:9-10 Je '64.

Parametric relationships of rural electrical heating systems. G. V. Kliushin. Vest. sel'khoz nauki 9 no. 4; 45-51 Ap '64.

ELECTRIC INDUSTRY WORKERS see subdivision under Ivanovo

ELECTRIC INSTRUMENTS

The P561 measuring capacitor box. G. V. Pen'kovskii. Priborostroenie no. 3;24-25 Mr '64.

ELECTRIC INSULATORS AND INSULATION

Arcproof insulation. Prom. energ. 17 no. 6;41-42 Je '62.

Composition of dyes for stamps used in marking protective rubber materials. M. V. Khomiakov. Energetik 12 no. 5:30 My '64

Concerning M. V. Khomiakov's article "Measures in the prevention of the contamination of insulation in substations and electric power transmission lines." N. E. Ioganson. Elek. stat. 35 no. 1:94 Ja '64.

Effect of low temperatures on the mechanical strength of porcelain insulators. V. N. Trusova. Elek. sta. 36 no. 5.54-59 Mr '64

Tareev, B. M., and M. M. Lerner. [Oxide insulation] Oksidnaia izoliatsiia. Moskva, Izd-vo "Energiia," 1964. 174 p.

ELECTRIC INSULATORS AND INSULATION—TESTI[illegible]

Checking of pressed connectors without [illegible] potential. [illegible] Elek. sta. [illegible] '64

ELECTRIC KILNS

Electric kiln for [illegible] Khim. i [illegible] prom. [illegible]

ELECTRIC LAMPS

Improvement of the electric and lighting [illegible] high-voltage hydrogen lamps. [illegible] Akopian, V. I. [illegible] 150-153 N-D '64

ELECTRIC LIGHT FIXTURES

Wall-type and overhead light fixtures [illegible] lamps. Svetotekhnika 10 no. 6:[illegible] Je '64

ELECTRIC LIGHTING

Adjustment and operation of an automatic device [illegible] regulating outdoor electric lighting [illegible] Nakhabin. Prom. energ. 17 no. 6 [illegible]

Automatic lighting control. [illegible] Svetotekhnika 10 no. 6:25-26 Je '64.

Kiuev, S. A. [Calculation of the electrical lighting of industrial premises] Kak rasschitat' elektricheskoe osveshchenie proizvodstvennogo pomeshcheniia. [illegible] dop. Moskva, Izd-vo "Energiia," 1964. [illegible] p. (Biblioteka elektromontera, no. 128)

Photoelectric relay for lighting control. [illegible] F. A. Lobov. [illegible]

Supplementary electric lighting of [illegible] Kiuev. Svetotekhnika 10 no. 6:[illegible] Je '64

Through the pages of foreign magazines. [illegible] 10 no. 6:[illegible]-30 Je '64

ELECTRIC LIGHTING, MERCURY VAPOR

Comparative review of certain spectral characteristics of low-pressure mercury lamps. [illegible] Tatevskii. [illegible]

ELECTRIC LINES

Choice of optimum wire and cable sizes taking into account economic [illegible] intervals. V. M. [illegible] Zeberg, S. A. Gusева. [illegible] no. 5 [illegible] '64.

Choice of wire sizes for municipal electric power distribution networks. L. A. Liberman. [illegible] 246-260 '62

ELECTRIC LINES—CORROSION

Overheating protection of an [illegible] communication cable. [illegible] 28-31 [illegible] '64

ELECTRIC LINES—MAINTENANCE AND REPAIR

Radio communication equipment for the [illegible] of rural electric power distribution networks [illegible] Sarapkin. Energetik 1[illegible]

ELECTRIC LINES—MEASUREMENT

System for locating damaged sectors [illegible] power lines. A. I. Zovakin. Prom. energ. [illegible] 18-22 Je '62.

ELECTRIC LINES—OVERHEAD
(see also subdivision under Tashkent)

Construction of 110 kv power line [illegible] P. D. Protas'ev. Elek. stat. [illegible]

Discharge potential of line insulation during [illegible] rainfall. V. S. Rashkes. Elek. sta. [illegible] '64

Loss and efficiency diagrams of [illegible] power transmission lines. I. P. Siuda. Elektrichestvo [illegible]

Possibility of not installing high-speed line protection. E. S. Igl'itskii. Elek. sta. 35 no 2 [illegible] '64

Selecting the economically efficient wire sizes for rural overhead power distribution networks taking into account their reconstruction. M. Zh. Ardashev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:124-130 Ap '64

Stability to lightning-induced surges of high-voltage power transmission lines. A. S. Maikopar. Elektrichestvo no 1:28-35 Ja '64

ELECTRIC LINES—POLES AND TOWERS

Decrease in the width of clearings for overhead power transmission lines. M. D. Gorenshtein. Elek. sta. 35 no. 2 94-95 F '64

Grounding of electric current in reinforced concrete towers. A. L. Bainer, V. P. Volkov, V. I. [illegible] Elek. sta. 35 no. 2,61-66 F '64

New wooden single-pole 35 kv power line supports. E. A. Gendel'man, IU. I. Kovan'ko. Elek. stat. 35 no 1 [illegible] Ja '64

Use of reinforced concrete poles. V. N. Babkin. Avtomatika, telem. i sviaz' 8 no. 6:37-38 Je '64.

[illegible]

[illegible] Trudy LIEI no 41 246-250 '62

Closed-loop 35 kv. power distribution network. A. I [illegible]. Trudy LIEI no 41:99-100 '62

Comparison of different methods for designing closed-loop low-voltage power distribution networks and selection of a calculation method applicable to different conditions. V M Dmitriev. Trudy LIEI no 49:7-15 '63.

Compensation of reactive power in industrial enterprises fed by their own power plants and from the commercial power distribution system. B L Aizenberg, B A Konstantinov. Trudy LIEI no. 41,278-282 '62

Concerning the consolidated regulations governing the technical operation of electrical systems. S.G. Etchin. Prom energ. 19 no 5 37 My '64

Concerning the publication of "Instructions on the design of electric power supply systems of industrial enterprises." Prom energ. 19 no 5 57-58 My '64

Concerning V A Kozlov's book "Closed-loop municipal electric power distribution networks." Trudy LIEI no 41 215-223 '62

Conversion of closed municipal power distribution networks to operation with grounded neutral. A.F. Kamenskii, V K. Pliugachev. Trudy LIEI no.49:169-174 '63.

Corona power and energy losses in a 500 kv. line. V.D. Kravchenko, V.I. Levitov, V.I Popkov. Elektrichestvo no.5:7-12 My '64.

Counter regulation of voltage in single-strand 35 kv. lines (deep entrances). V.I. Mikhailova. Trudy LIEI no. 41 77-82 '62.

Dependence of the grounding resistance on the dimensions of the grounding device. A.B Oslon. Elektrichestvo no 1 69-70 Ja '64

Design of closed-high-voltage power distribution networks. O.S. Bushuev, L.D Klebanov. Trudy LIEI no.49: 100-103 '63.

Design of municipal electrical networks taking into account the growth of consumer loads. I.S Bessmertnyi. Trudy LIEI no. 41:49-51 '62.

Design of networks with nonuniform phase load. A. A. Tushina. Trudy LIEI no 41 173-182 '62.

Design of relay protection, automatic control, and remote control systems for municipal electric power distribution networks. K A Eremin. Trudy LIEI no 41 232-246 '62.

Designation of power system components. IU L TSykhanskii. Elek stat 35 no 1 64-65 Ja '64

Determination of electrical loads of industrial enterprises. D.S. Livshits. Elektrichestvo no.5:82-84 My '64.

Determination of necessary equipment, materials, and monetary expenditures in the construction and expansion of municipal electric power distribution networks. M D. Kamenskii. Trudy LIEI no. 41:22-28 '62.

Determination of the equivalent power of a condensing electric power plant in the comparison of alternatives for separate and composite power distribution networks. A I Korneichev. Trudy MEI no 48 103-106 '63

Determination of the parameters of networks taking into account the surface current density of the load. L. P. Gudialis. Trudy LIEI no 41,150-165 '62

Development of a municipal low-voltage power distribution network. V. M. Dmitriev. Trudy LIEI no. 41 128-140 '62.

Disconnecting of nonloaded 6- 35 kv. transformers using internal disconnectors. M A Aronov. Elek sta 35 no 3 45-50 Mr '64.

Economic indices of deep entrances. B. L. Aizenberg. Trudy LIEI no. 41 64-72 '62.

Effect of the residual voltage of a generator on the vibration of the stator during the self-synchronization process. Kh P Fernandes, IU M El'kind. Elek stat 35 no 1 86-88 Ja '64

Effective voltage in municipal power distribution networks. G. L. Vartanov. Trudy LIEI *no. 41,57-64 '62.*

Efficient design and means for improving municipal electric power distribution networks. B. L. Aizenberg. *Trudy LIEI* no. 41:5-21 '62.

Fixed parameter and relative base *increment methods* for calculating the operational efficiency of a power system. K A Smirnov. Elektrichestvo no 1 35-38 Ja '64

Graphical method for designing closed-loop power distribution networks. A.P. Chmutov. Trudy LIEI no.49: *16-28* '63.

Greater emphasis on work quality in the installation of electrical equipment. Prom. energ. 17 no. 6:1-3 Je '62.

Group control of the excitation of synchronous generators with strong action regulators. L. V. Rosman. Elek sta. 35 no 3 41-43 Mr '64.

Loss and efficiency diagrams of a.c. power transmission lines. *I. P Siuda.* Elektrichestvo no 1 71-72 Ja '64.

Methodology for technical and economic comparison of *systems of* a municipal power distribution network. E.G. Mikhailova. Trudy LIEI no.49:127-130 '63.

nie. [Electric power plants and [illegible] technical and work experience] Elektrostantsii i seti; obmen proizvodstvenno-tekhnicheskim opytom. Minsk, 1962. 87 p

[MICROFILM]

Neutral operating mode in electric power distribution systems. I M Sirota and others. Elektrichestvo no. 1 84-91 Ja '64

Nominal potentials and regulation range of 110 kv transformers with voltage regulation under load. I S Kalimchenko. Elek. sta 35 no 3 14-45 Mr '64.

Plenum of a section of the Central Administration of the Scientific and Technical Society of the Power Industry on electric power supply of industrial enterprises. IU. L. Mukoseev. Prom energ 19 no 5:51-52 My '64

Poliakov, G. E., and A. I. Kovarskii. [Installation and operation of industrial electrical equipment] Montazh i ekspluatatsiia promyshlennogo elektrooborudovaniia Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1964. 339 p.

Problem concerning the increase of commercial power line frequency and its optimal value. N. P. Osauchii. Elektrichestvo no.5:92 My '64.

Procedures for changing over a municipal power distribution network to closed-loop operation and special features of this mode. M. M. Zarkhin. Trudy LIEI no. 41 114-117 '62.

Protection of municipal power distribution networks closed at medium and low-voltage ends without network automats. B.L. Aizenberg. Trudy LIEI no.49:28-40 '63.

Remarks on the work of the Leningrad Institute of Economic Research and the Leningrad Scientific Technological Society of the Power Industry. N.V. Volotskoi. Trudy LIEI no. 41:28-31 '62.

Selection of a low-voltage power distribution network. P. IU. TSapulich. Trudy LIEI no. 41 117-122 '62.

Seminar on closed-loop electric power distribution networks. Trudy LIEI no 41,202-207 '62

Seminar on overall automation and remote control of high-voltage distribution networks of the Moscow Power System at the Exhibition of the Achievements of the National Economy of the U.S.S.R. V. I Nartova. Elek sta 35 no 2:96 F '64.

Structures of outdoor-type 110- 550 kv power distribution *systems.* *IU A IAkub, V. V* Koznarmov. Elek. stat 35 no 1.43-51 Ja '64

Survey of foreign literature on closed-loop power distribution networks. L. D. Klebanov. Trudy LIEI no. 41: 122-127 '62.

Technical and economic calculations of continuously developing systems. L. P. Gudialis. Trudy LIEI no. 41. 207-215 '62

Technical and economic indices of progressive systems of a municipal power distribution network. V. P. Vaniushkin. Trudy LIEI no. 49:109-126 '63.

Transistorized measuring element of an automatic *excitation* controller. I.S. Kurdiani. Trudy GPI [Gruz.] no. 3:71-82 '63.

Two-stage distance-type protection system using semiconductor logic components. V. V Kochetov and others. *Elek* sta 35 no. 3.59-67 Mr '64

Use of cable cabinets in 6 - 10 kv power distribution networks. IU. A. Aleksandrov. Trudy LIEI no 41:182-189 '62.

Use of doubled cable lines in municipal electrical networks. N. I. Medvedskii. Trudy LIEI no 41:100-109 '62.

Use of insulating transformer oils in a municipal electric power distribution network. IU N. Valov. Elek sta 35 no 2:51-55 F '64.

Use of mathematical methods in standardizing the electric power consumption in industry. B A Konstantinov. Elektrichestvo no 1 66-68 Ja '64

Use of new layouts and their technical and economic evaluation. R. IA. Fedosenko. Trudy LIEI no. 41:52-57 '62.

Voltage regulation in municipal electrical networks. N. A. Mel'nikov. Trudy LIEI no. 41:83-91 '62.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Radio communication equipment for the repair brigades of rural electric power distribution networks. V. V. Sarapkin. Energetik 12 no. 5:5-6 *My '64.*

ELECTRIC POWER DISTRIBUTION—HIGH TENSION

Atabekov, V. B. [*High-voltage* apparatus] Vysokovol'tnye apparaty. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 278 p.

ELECTRIC POWER DISTRIBUTION—SAFETY *APPLIANCES*

Faulty operation of the PZ-153 protection system due to the burning-out of the protectors. G. D. Tomilov. Elek stat. 35 no. 1:89-90 Ja '64

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Arrangement of electric potential equalizers between the water pipes and the metal hull of tubs *presently* installed in all newly built dwellings, public buildings, and residential quarters in industrial enterprises. Prom. energ. 19 no.5:48-49 My '64.

Introduction of changes and additions to Chapter VI "Electrical equipment of premises with explosion hazards and outdoor-type systems" of the "Rules for the installation of electrical systems." Prom energ. 17 no. 6.15-50 Je '6[illegible]

Russia (1923- U.S.S.R.) Tekhnicheskoe upravlenie po ekspluatatsii energosistem. [Safety engineering regulations for operating the electrical systems of municipal power distribution networks] Pravila tekhniki bezopasnosti pri ekspluatatsii elektroustanovok gorodskikh elektrosetei. Izd. 13., [illegible] i dop. Moskva, Izd-vo "Energiia," 1964. 101 p.

ELECTRIC POWER PLANTS

(see also subdivision under Pridneprovsk, Ukrain

Calculation of optimum feedwater temperature with variable operation of turbine systems. I. A. [illegible] nauch soob SPI no 17 [illegible] '62

Carrying capacity of electric power transmission lines from thermal electric power plants. N. A. [illegible] L. P. Shipunova. Elek stat 35 no 1 [illegible] '64

Carrying capacity of electric power transmission lines from thermal electric power plants. N. A. [illegible] N I Sokolov. Elek. sta 35 no 3 [illegible] '64

Concerning I. I. Dvoskin's article "Auxiliary power units for the self needs of large condensing power plants." V M Teplov. Elek sta. 35 no 3 [illegible] '64

Construction of high-pressure steam generators with increased air excess. V A Pomiatov. [illegible] *SPI no 17:54-64 '62*

Determination of efficient modes of operation of pump machinery in the rural electric power plants using a relative measurement technique. V P [illegible] Elek sta 35 no 2 [illegible] F '64

Determination of the center of gravity of a [illegible] symmetrical contours. [illegible] no. 1:80 Ja '64.

Effective system of utilizing the heat of [illegible] scavenging. L. N IAzmak. Sbor nauch soob SPI no 17 105-110 '62

Effectiveness of constructing steam and gas power condensing power stations with 500 Mw. [illegible] V N. Lapshov, G. S Suprykin. Sbor nauch soob SPI no 17:41-53 '62.

Eliminating structural defects in AB-II type of [illegible] electric power plant. R.K. Kviatkovskii. [illegible] 14 no.3:30 Mr '64.

Engineering and economic comparisons of gas steam [illegible] 170 atm 535/535° C with supercritical ones. [illegible] Kamenskii. Teploenergetika 11 no. 3 [illegible] Mr '64

Errors in the design of the electrical [illegible] tions and power plants. S. I. Ivanov. Elek [illegible] no. 1 41-43 Ja '64

Experience in using heat shields in 150 Mw [illegible] N E. Kolomys, A. P Smirnov, V [illegible] Elek sta 35 no. 3 8-12 Mr '64.

First outdoor-type solid fuel power plant of the U.S.S.R. V I. TSytsenko. Elek. sta 35 no 3 [illegible] Mr '64

Fuel oil economy of thermal electric power plants. [illegible] Spiridonov. Teploenergetika 11 no [illegible]

Improved operation of [illegible] traps. G. A. [illegible] S. A. Balakhnin. Energetik 12 no.5:[illegible] My '64.

Joint burning of natural gas and high-sulfur mazut. V I Gorin, A. L Kovalenko. Elek. sta 35 no 3 [illegible] Mr '64.

Large thermal electric power plant operating on [illegible] V. IA. Ghshfel'd. Teploenergetika 11 no. 4 [illegible] Ap '64.

Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti. Belorusskoe respublikanskoe otdelenie. [Electric power plants and networks; exchange of technical and work experience] Elektrostantsii i seti; obmen proizvodstvenno-tekhnicheskim opytom. Minsk, 1962. 87 p.

[MICROFILM]

Second scientific and technical conference on [illegible] thermal electric power plants. N V [illegible] Elek stat 35 no 1 95 Ja '64.

Stability of the regulation of station generator units in power generating *systems.* G. P. [illegible]shvili. [illegible] AN Arm.SSR 38 no. 4:231-234 '64.

Thermodynamic calculation of optimum initial pressure of counterpressure systems. A I. Andriushchenko, IU. M. Khlebalin. Sbor nauch soob SPI no. 17 14-28 '62.

ELECTRIC POWER PLANTS—COMMUNICATION SYSTEM

Reliability of dispatcher communication systems. M I Skliarovskii. Elek. *stat* 35 no. 1:61-64 Ja '64

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIE

Automation of the supply *of heating steam* to evaporators. N. A. Naumov. Energetik 12 no. 5:18-19 My '64.

Operation of ash dumps *in electric power plants*. L. IA Kel'man, N E Mas'ko. Elek. stat. 35 no 1:11-13 Ja '64

Varlazarov, S. IA. [Use of radioactive isotopes in operating electric power plants] Ispol'zovanie radioaktivnykh izotopov pri ekspluatatsii elektrostantsii. Moskva, Izd-vo "Energiia," 1964. 101 p.

[illegible]

ELECTRIC TRANSFORMERS—DRYING

[illegible]

E. S Kaplan Izv vys.ucheb zav, fiz no 2:41-45 '61

ELECTRIC UTILITIES

Norms of electric power consumption in housing and communal needs. I D Klebano Trudy LIEI no.41 31-4[illegible] '62

ELECTRIC WELDING
(see also subdivision under Germany, West)

Welding transformer with magnetic commutation of the turns of the control winding. V. A Troitskii and others Izv AN Uz SSR Ser tekh nauk 8 no.1 7-15 '64.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

[illegible] GP-2 unit for welding in an atmosphere of carbon oxide. S S Shalenko, S G. Baron. Biul.tekh-ekon. inform. Gos.nauch.-issl.inst nauch i tekh.inform. 17 no.2 [illegible] '64

The [illegible] automatic welding machine. A. P Ig[illegible] Biul tekh-ekon inform Gos.nauch.-issl. inst nauch i tekh.inform. 17 no 5 29-30 My '64

Using the UD3Sh-4M modernized welding gun for welding on pins in an atmosphere of carbon oxide S.P.Zhdanov Biul tekh.-ekon.inform.Gos.nauch -issl.inst nauch i tekh inform 17 no.4;30 '64.

ELECTRIC WELDING—TECHNOLOGICAL INNOVATIONS

Institute and the inventor G V. Raevskii Izobr i rats no 6,1-3 '64.

ELECTRIC WIRE

Oxydation of aluminum wires at high-current densities S D Kholodnyi Trudy MFI no 39:357-366 '62

The second all-Union scientific technical conference on microconductor and resistance devices. N.R.Berman Priborostroenie no.3 20 Mr '64.

Zhelgorodskii, I S., and IU. A Frolov [Steel wires and busbars in electrical networks with ratings up to 1,000 volts] Stal'nye provoda i shiny v elektricheskikh setiakh do 1 000 v Moskva, Izd-vo "Energiia," 1964 55 p (Biblioteka elektromontera, no 125)

ELECTRIC WIRE, INSULATED

Insulating and winding unit A. A Zolotov. Biul.tekh.-ekon inform.Gos nauch.-issl.inst.nauch.i tekh.inform. 17 no.2:44-46 '64

ELECTRIC WIRING

Poliakov, G. E., and A. I. Kovarskii. [Installation and operation of industrial electrical equipment] Montazh i ekspluatatsiia promyshlennogo elektrooborudovaniia Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1964. 339 p.

ELECTRICITY—STUDY AND TEACHING

Predominant use of the international system of units in a course on electricity. E S. Kaplan. Izv.vys.ucheb. zav., fiz no 2 39-41 '64.

ELECTRICITY, INJURIES FROM

"Problems of safety in electrical systems," by V. I. Manoilov. Reviewed by V. R. Naifel'd. Prom.energ. 17 no.6 52 Je '62.

ELECTRICITY IN AGRICULTURE
(see also subdivision under Khabarovsk Territory)

Parametric relationships of rural electrical heating systems G V Klushin Vest sel'khoz nauki 9 no.4 45-51 Ap '64.

Using a permanent electric current for eliminating the Solonetz and salinized characteristics of soils. E. B. Aibasov. Vest.sel'khoz.nauki [Kazakh.] 7 no. 4:23-27 Ap '64.

ELECTRICITY IN AGRICULTURE—RESEARCH

In the Department of Mechanization and Electrification Vest sel'khoz nauki 9 no.4:136-140 Ap '64.

ELECTRICITY IN BUILDING

Further improvement of electrical engineering equipment for building projects. A. B. Topolianskii. Stroi. i arkhit. Len 26 no 3 22-24 Mr '64

ELECTRICITY IN MINING
(see also subdivision under Donets Basin, Krivoy Rog Basin)

The EPM-50 mine electrostatic precipitator. L. S. Grebenshchikov and others. Gor. zhur. no. 5:64-67 My '64.

Putting electricity into steep seam mining operations. L. N. Kutovoi. Ugol' Ukr. 8 no. 3 28-29 Mr '64.

ELECTRICITY IN PETROLEUM ENGINEERING

Electrical equipment of oil field systems. A. N Terumov. Prom.energ. 19 no.5:50-51 My '64.

ELECTRICITY ON SHIPS

Synchronous generators with self-regulation of voltage produced by the firm "Rade Koncar." L. Militskii. Mor. flot 24 no. 3 24-26 Mr '64.

ELECTRIFICATION

Conference of a management activists group of the State Production Committee on Power Engineering and Electrification of the U S.S.R F P. Konin Elek sta 35 no. 3 93-95 Mr '64

[illegible] sound absorption coefficient and the electro acoustic current in solids. A A.Grinberg. Fiz.tver tela 6 no 4:1228-1229 Ap '64

ELECTROCARDIOGRAPHY

Auricular interpolated extrasystoles V A Savel'ev. Kardiologiia 3 no 6 76-78 N-D '63

Changes in the heart in disorders of electrolyte balance, clinical and electrocardiographic observation H M Konchalovskaia, A O Saitanov T A Masich Kardiologiia 3 no 6,54-59 N-D '63

Chronic pulmonary heart G Vidimsky Kardiologiia 3 no 6 31-35 N-D '63

Electrocardiographic changes in disorders of electrolyte metabolism E I Borisova and others Kardiologiia 3 no 6 59-64 N-D '63

Electrocardiographic diagnosis of the pulmonary heart G E Burch, N P De Pasquale Kardiologiia 3 no 6 36-47 N-D '63

Indices of the functional state of the myocardium in hypertension I N Bronovets Kardiologiia 3 no 6 15-20 N-D '63

Intermittent disorders of intraventricular conductivity L I Musin Kardiologiia 3 no 6 73-75 N-D '63

Late ventricular extrasystoles N B Pavlikovskaia, Kardiologiia 3 no 6 78-79 N-D '63

Method of interpreting electrocardiograms P. N. Kortkov Trudy AZVI 12 607-610 '61

Methodology for simultaneous examination of conditioned blinking reflexes and the functional state of the cardiovascular system in man F. M. Lebedev, M G.Kheifets. Zhur. vys. nerv. deiat 14 no 2 364-368 Mr-Ap '64.

Organic form of the shortening of the P-Q interval of the electrocardiogram with deformity of the ventricular complex C Zamfir and others Kardiologiia 3 no 6 71-72 N-D '63

Reaction of the cardiovascular system to the administration of contrast medium into the cavity and myocardium of the left heart ventricle [with summary in English]. A M. Akhmetov, L. S. Rubetskoi Eksp khir i anest. 6 no 5 13-15 S-O '63

Simplification of some computations in the analysis of electrocardiograms. K. S. Karamov Sov. med 27 no. 10.101 O '63

Some characteristics of voluntary and involuntary emotional reactions in man. P V. Simonov, M. N Valueva, P. M. Ershov. Zhur. vys. nerv. deiat. 14 no. 2,204-210 Mr-Ap '64.

Temporary synchronization during the stimulation of cardiac activity. A. M. L'vov. Nov. med. tekh. no.5: 68-71 '61.

ELECTROCHEMISTRY

Absorbed quantities of organic substances calculated from the measurements of mercury electrode impedance. G. A. Tedoradze R. A. Arakelian Dokl. AN SSSR 156 no.5 1170-1173 Je '64.

Apparatus for investigating electrochemical systems by the triangular pulse method. V. N. Alekseev and others. Zhur. fiz. khim. 38 no.4:1046-1051 Ap '64.

Contribution to the theory of electrochemical diode. B. M. Grafov. Izv. AN SSSR. Ser. khim. no.5:814-821 My '64.

ELECTRODES

Anode oxide films N. G Bardina Usp khim 33 no. 5 602-618 My '64.

Effect of atomic hydrogen on the potential of nickel and mercury electrodes in electrolyte solutions. S. D. Levina, T. V. Kalish. Zhur fiz. khim 36 no. 9:1926-1931 S '62.

Effect of electrode material on the pulse electric strength of a high-vacuum gap. I. I. Kaliatskii, G. M. Kassirov, Zhur. tekh. fiz. 34 no. 2:348-351 F '64.

Electrochemical processes on an alternating-polarizing electrode. Part 2. G. A. Begunov, S. V. Gorbachev. Zhur. fiz. khim. 36 no. 9:2062-2066 S '62

Studies in the mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 9. O. K. Davtian. Zhur. fiz. khim. 38 no. 4: 825-832 Ap '64.

Use of insoluble anodes in the electrosynthesis of organic compounds. M. IA. Fioshin, L. I Kazakova. Khim. prom. no. 10:760-762 O '63.

ELECTRODES, DROPPING MERCURY

Reproducibility of the method of amalgam polarography with accumulation using stationary mercury electrodes with gold contact. A. I. Kamenev. Vest. Mosk. un. Ser. 2: Khim. 19 no. 2:79-80 Mr-Ap '64.

ELECTRODES, PLATINUM

Discharge of a carbonate ion on a platinum anode. G. G. Arkhipov, A. M. Trunov, G. K. Stepanov. Trudy Inst. elektrokhim. UFAN SSSR no. 4:41-45 '63.

ELECTRODES, SILICON

Cathodic polarization of a silicon electrode in the electrodeposition of tin and nickel. V. P. Zosimovich, V. D. Nemtsov. Ukr. khim. zhur. 30 no. 1:59-62 '64.

[illegible] containing titanium chloride, M. V. Smirnov, O V Skiba. Trudy Inst. elektrokhim. UFAN SSSR no. 1:3-9 '63.

ELECTRODIALYSIS

Systems of distribution of electrolyte in electrodialyzer K. M. Saldadze, A. A. IAsminov, S. N. Gvozdeva. Khim. prom. no. 10:756-760 O '63.

ELECTROENCEPHALOGRAPHY

Changes in the EEG in hypothermia induced under protective deep curarization (diplacin) and light anesthesia (with summary in English) R. A. [illegible] Eksp. khir. i anest. 8 no. 5:61-66 S-O '63

Changes in the oxygen tension of the cerebral cortex during controlled arterial hypotension. V. P. [illegible], M. I. Khodas. Eksp. khir. i anest. 8 no. 5 [illegible] S-O '63

Correlation analysis in the study of the electrical activity of the cerebral cortex. N. N. Danilova. Zhur. vys. nerv. deiat. 14 no. 1:18-22 Ja-F '64.

Correlation of changes in the electroencephalogram and general motor activity in normal cats during stimulation of the caudate nucleus. S. M. Butkhuzi. Trudy Inst. fiziol. AN Gruz. SSR 13:61-68 '63.

Effect of direct current on the lability of brain structures of rabbits after a radiation injury. R. K. Arutiunian. Vop. radiobiol. [AN Arm. SSR] 3/4:37-15 '63.

Effect of some pharmacological substances on the electrical activity of the cerebral cortex in ontogenesis. T. D. Dzavrishvili. Trudy Inst. fiziol. AN Gruz. SSR 13:[illegible] '63.

Electric activity of the cerebral cortex in athletes at the different stages of training. G. M. [illegible] Teor. i prak. fiz. kul't. 27 no. [illegible] '64

Electrical activity of the brain during operations on the heart under moderate hypothermia [with summary in English]. V. A. Mikhailovich. Eksp. khir. i anest. 8 no. 5 [illegible] S-O '63.

Electroencephalographic studies of cerebral activity in man during trace and delayed conditioned responses. IU. G. Kratin. Zhur. vys. nerv. deiat. 14 no. 1:[illegible] Ja-F '64.

N. E. Vvedenskii's optimum and pessimum phenomena in the cerebral cortex of rabbits following radiation injury. R. K. Arutiunian, S. G. Ambartsumian. Vop. radiobiol. [AN Arm. SSR] 3/4:173-178 '63.

Pathogenesis of epileptic seizures; electroencephalographic observations. P. V. Mel'nichuk. Zhur. nevr. i psikh. 63 no. 6:874-879 '63.

Rapid oscillations in the electroencephalogram of dogs during the formation of conditioned reflexes. V. N. Dumenko. Zhur. vys. nerv. deiat. 14 no. 2:301-310 Mr-Ap '64.

Some characteristics of voluntary and involuntary emotional reactions in man. P. V. Simonov, M. N. Valueva, P. M. Ershov. Zhur. vys. nerv. deiat. 14 no. 2:204-210 Mr-Ap '64.

Study of the bioelectric activity of some regions of the brain under overload. A. N. Razumeev, P. M. [illegible] Probl. kosm. biol. 3:308-316 '64.

ELECTROLYSIS

Change of acidity in the catholyte layer during electrolysis of nickel chloride solutions. T. M. Ovchinnikova, I. N. Taran, A. L. Rotinian. Zhur. fiz. khim. 36 no. 9: 1909-1913 S '62.

Separation of potassium isotopes by electrolysis on a mercury cathode and by crystallization of potassium chloride. G. IA. Ryskin, V. S. Rylov. Zhur. fiz. khim. 36 no. 9:1854-1860 S '62.

Study of the electrolysis of a zincate solution through a round orifice. I. A. Voloshchenko. Pratsi [illegible] stud. rob. 140 no. 4:133-144 '60.

ELECTROLYTE METABOLISM

Changes in the heart in disorders of electrolyte balance, clinical and electrocardiographic observation. H M Konchalovskaia, A. O. Saitanov, T A. Masich. Kardiologiia 3 no 6 54-59 N-D '63

Effect of anesthesia and surgical trauma on the glucocorticoid function of the adrenal cortex and the electrolyte balance (potassium and sodium) in operations on the heart and lungs. V. A. Kovanev, V. N. Lyarsko Khirurgiia 38 no. 12:42-49 D '62.

Effect of disorders of electrolyte balance on the function of the cardiovascular system, a review of literature V N Brikker. Kardiologiia 3 no. 6:65-69 N-D '63

Electrocardiographic changes in disorders of electrolyte metabolism. E. I Borisova and others. Kardiologiia 3 no 6 59-64 N-D '63

ELECTROLYTE SOLUTIONS

Current efficiency in the anodic dissolution of titanium in chloride and mixed fluoride-chloride melts. N. A Loginov, M. V. Smirnov. Trudy Inst. elektrokhim. UFAN SSSR no. 4:29-33 '63.

Effect of atomic hydrogen on the potential of nickel and mercury electrodes in electrolyte solutions. S. D. Levina, T. V. Kalish. Zhur. fiz. khim. 36 no. 9:1926-1931 S '62.

Concerning a certain class of ferrite-transistor circuits V N Fal'k Trudy MEI no 53:141-152 '64

Reliable logical elements and output amplifiers with redundant structure S M. Domanitskii, I.V Prangishvili Avtom i telem. 25 no.4,555-561 Mr '64

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Batashov, E. P. [Design of the magnetic system of memory devices using ferrite cores with rectangular hysteresis loops] Proektirovanie magnitnoi sistemy zapominaiushchikh ustroistv na ferritovykh serdechnikakh s priamougol'noi petlei gisterezisa, stenogramma lektsii. Leningrad, 1963. 39 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki)

Functional organization of searching and recording of information in the case of excess storage. V.V Ignat'ev. Zhur. vych. mat. i mat. fiz. 4 no. 3,536-541 My-Je '64.

Information readout in a transfluxor used as an analog memory component. O.G.Kasatkin, M.A.Rozenblat. Avtom i telem. 25 no 4:562-569 Mr '64.

ELECTRONIC COMPUTERS—RELIABILITY

Analysis of the reliability of logic nets with operation independent with respect to time I A Kuz'min, V.N Fal'k Trudy MEI no 53;133-140 '64.

ELECTRONIC CONTROL

Automatic control of the loading of technological equipment G.S Vilkov, B I. Rusakov. Vest mashinostr. 44 no 5 76-77 My '64.

Device for connecting the output of an electronic digital computer with the controllers V Bondarenko, I Poliakov Prom Arm 7 no 2 26-32 F '64

The "Zenit-2" electronic centralized-control machine. M. M. Ladyzhinskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.4,37-39 Ap '64.

ELECTRONIC DATA PROCESSING

Information and computation centers and their efficiency. F. M. Rusinov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh inform. 17 no. 4 35-37 Ap '64.

ELECTRONIC DATA PROCESSING—AGRICULTURE

Apply mathematics in agricultural economics research. V.Davydov. Nauch.dokl.vys.shkoly ekon.nauki 7 no 1;115-117 '64

ELECTRONIC DATA PROCESSING—AUTOMOBILE INDUSTRY—COSTS

Calculation where electronic computers are in use. V. Lukin Bukhg. uchet 21 no. 4:19-22 Ap '64.

ELECTRONIC DATA PROCESSING—CHEMICAL INDUSTRIES

Algorithmic structural diagram of a system for the automatic control of chemical industrial processes using a computer V.M.Ordyntsev. Avtom i telem. 25 no.4;500-516 Mr '64.

ELECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION

Kachanova, N A. [Electrical design of composite power systems using digital computers] Elektrychnyi rozrakhunok skladnykh energosistem na tsifrovykh obchysliuval'nykh mashynakh. Kyiv, Tekhnika, 1964. 111 p.

ELECTRONIC DATA PROCESSING—ELECTROMAGNETIC PROSPECTING

Linear programming in determining the position of geological bodies. S.V.Shalaev. Zap.LGI 46 no.2; 51-62 '63.

ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT

Improving intraplant planning where electronic computers are used IU. Maksimov Plan khoz 41 no 6 56-59 Je '64

Mechanization of administrative work in enterprises. I.Vasil'ev. Sots.trud 9 no.6:48-52 Je '64.

ELECTRONIC DATA PROCESSING—INLAND WATER TRANSPORTATION

Gorki. Institut inzhenerov vodnogo transporta. Fakul'tet zaochnogo obucheniia. Kafedra organizatsii dvizheniia. [Optimum planning in the utilization of technological means] Optimal'noe planirovanie ispol'zovaniia tekhnicheskikh sredstv. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transporta.

Lecture 1. [Mathematical basis and order for calculations using a simplex linear programming method; for improving the qualifications of the leading engineering and technical workers of the Ministry of the River Fleet of the R. S. F. S. R.] Matematicheskaia osnova i poriadok vychislenii simpleksnym metodom lineinogo programmirovaniia; dlia grupp povysheniia kvalifikatsii rukovodiashchikh inzhenerno-tekhnicheskikh rabotnikov Ministerstva rechnogo flota RSFSR. 1962. 17 p.

[MICROFILM]

Organization and technical means for the study of demand. V Budaragin Sov torg 36 no 6 55-60 Je '63

ELECTRONIC DATA PROCESSING—MEDICINE

Amosov, N. M. [Regulation of vital functions and cybernetics] Reguliatsiia zhiznennykh funktsii i kibernetika Kiev, Izd-vo "Naukova dumka," 1964. 113 p. (Nauchno-populiarnaia literatura)

ELECTRONIC DATA PROCESSING—RAILROADS

Automation of administrative work in railroad transportation. Sots.trud 9 no.6;142-144 Je '64.

Oleshko, G. I., and B. Del Rio, eds. [Automation of the operation of hump yards using electronic computers] Avtomatizatsiia sortirovochnykh stantsii (s primeneniem vychislitel'nykh mashin. Moskva, Transport, 1964. 175 p.

Use of cybernetics in railroad transport. I.S.Gluzman. Avtom.,telem.i sviaz' 8 no.6;17-19 Je '64.

ELECTRONIC DIGITAL COMPUTERS

Calculation of closed low-voltage power distribution networks using electronic digital computers. A.P.Chmutov. Trudy LIEI no.49:80-100 '63.

Calculation of the selectivity of the protection systems of closed medium voltage networks using electronic digital computers. A.P.Chmutov. Trudy LIEI no. 19; 68-88 '63.

Device for connecting the output of an electronic digital computer with the controllers V Bondarenko, I. Poliakov Prom Arm 7 no 2 26-32 F '64

Khodorov, T. IA. [Digital control computers] TSifrovye upravliaiushchie mashiny. Moskva, Mashinostroenie, 1964. 439 p.

Method for accelerating the computation of fast quasi-periodic motions by digital computers. V. A. IAroshevskii, V. V. Voeikov. Zhur. vych. mat. i mat. fiz. 4 no. 1: 168-171 Ja-F '64.

Refinement of the normalized writing of numbers with a floating point in digital computers. I. V. Klokachev. Zhur. vych. mat. i mat. fiz. 4 no. 1;192-194 Ja-F '64.

Theory of a normal impact on a flexible membrane. IA. U. Saatov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 1 87 '64.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Method of automatic retrieval of literature on the machine-tool industry using descriptors, and the principal algorithm for its realization on digital electronic computers. I. M. Monastyrskii, B. R. Pevzner, N. I. Stiazhkin. NTI no 2;28-33 '64.

ELECTRONIC DIGITAL COMPUTERS—TESTING

Mironov, G. A. [Test programs for checking electronic digital computers] Ispytatel'nye programmy dlia kontrolia elektronnykh tsifrovykh mashin. Pod red. N. A. Krinitskogo. Moskva, Izd-vo "Nauka," 1964. 267 p. (Fiziko-matematicheskaia biblioteka inzhenera)

ELECTRONIC INSTRUMENTS

Electronic moisture meters for peat. A. I. Shchukin. Biul. tekh.-ekon. inform. Gos nauch.-issl. inst nauch. i tekh. inform. 17 no. 5:42-43 My '64.

Portable device for operational control of coal moisture. N. S. Dubrov, I. F. Zaitsev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5: 41-42 My '64.

ELECTRONIC INSTRUMENTS—QUALITY CONTROL

The first all-Union conference on statistical methods of the analysis and control of quality and reliability. A.V. Veits. Priborostroenie no.3;28 Mr '64.

ELECTRONIC INSTRUMENTS—RELIABILITY

The first all-Union conference on statistical methods of the analysis and control of quality and reliability. A.V. Veits. Priborostroenie no.3;28 Mr '64.

ELECTRONIC INSTRUMENTS—TESTING

Device for checking the parameters of the RP1-PD regulator. A P Nikifortsev. Priborostroenie no. 5 23-24 My '64.

ELECTRONIC MEASUREMENTS

Titov, V. V. [Trigger-type measuring devices] Izmeritel'nye spuskovye ustroistva. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 527)

ELECTRONIC MUSICAL INSTRUMENTS see Musical instruments, Electronic

ELECTRONICS

Berg, A. I. [Selected works] Izbrannye trudy. Moskva, Izd-vo "Energiia,"

Vol. 1. 1964. 167 p.

Metter, I. M. [Introduction to quantum electronics] Vvedenie v kvantovuiu elektroniku; uchebnoe posobie. Leningrad, Leningr. elektrotekhn. in-t sviazi im. prof. M. A. Bonch-Bruevicha.

Pt. 2. 1964. 61 p.

Union of radio-electronics and chemistry. G. Kazanskii. Radio no 5 6-7 My '64

... the help of an electronic computer V. Voen. vest. 44 no 5 126-127 My '64.

ELECTRONS

Density of electronic states in amorphous ... tors near the band edge. F. M. Gashimzade nov. Fiz. tver. tela 6 no. 4:1039-1043 Ap

Effect of cyclic amide substitutes on the electr of 7-chloro-4-aminoquinoline. V. I. Ilyenko Sokil. Farmatsev. zhur. 15 no. 5:13-17 '6

Electron emission by irradiated and nonirradiate dielectrics. O. D. Knab. Prats Ol. un. Zbir 146 no. 4:157-159 '58.

Electronic structure and properties of cumule Part 3: Effects of interelectron interaction i cumulenes. E. M. Shustorovich. Zhur. strukt no. 2:325-329 Mr-Ap '64.

Entrainment of Mott excitons by current carri effect of zero and negative mobility. A. A. L Fiz. tver. tela 6 no. 4:1075-1077 Ap '64.

Ordered motion of particles in an Alpha plasm. Bel'skii. Zhur. tekh. fiz. 34 no. 2:272-278

Photoproduction of electron and muon pairs on G. I. Kopylov, L. A. Kuliukina, I. V. Polubarinc eksp. i teor. fiz. 46 no. 5:1715-1721 My '64.

Relaxation time in a two-temperature mixture gases. K. P. Gurov. Zhur. eksp. i teor. fiz. 1041-1047 My '64.

Some characteristics of pair coupling produc in citon and its decay on phonons. Effect of the os on the behavior of nonequilibrium current carri Lipnik. Fiz. tver. tela 6 no. 4:1068-1074 Ap

Superconductivity of an electron system with ab triplet pairs. S. V. Vonsovskii, M. S. Svirskii. eksp. i teor. fiz. 46 no. 5:1619-1621 My '64.

Volume recombination with ambipolar diffusion gas discharge plasma. V. I. Sobolev, ... Zhur. tekh. fiz. 34 no. 2:264-266 F '64.

ELECTRONS—CAPTURE

Capture of minority carriers in n-silicon irradi fast electrons. V. D. Tkachev, A. N. Sevchenko Lugakov. Dokl. AN BSSR 8 no. 4:224-225 Ap

Dependence of the relaxation time of the anomal photoconductivity of selenium on the wavelengt the electron bonding energy in long-lived traps Korsunskii, I. A. Checheko, A. I. Kharel'. Izv. A Kazakh. SSR. Ser. fiz.-mat. nauk no. 4 14 18 '6

Formation of negative aluminum, gallium, indiu thallium ions due to the capture of electrons by cules of the halides of these elements. V. I. Kh A. Sh. Sultanov. Zhur. eksp. i teor. fiz. 46 no. 1605-1607 My '64.

Role of interference in the passage of electrons t a double potential barrier. E. V. Zagorianskaia Kireev. Izv. vys. ucheb. zav.; fiz. no. 2.135-141

ELECTRONS—SCATTERING

Emission of transverse electromagnetic waves d the scattering of charged particles on plasma w. A. Gailitis, V. N. TSytovich. Zhur. eksp. i teor. no. 5:1726-1740 My '64.

High-energy quasi-monochromatic and polarized quanta. F. R. Arutiunian, V. A. Tumanian. Usp. nauk 83 no. 1:3-34 My '64.

Relation between lattice and impurity scattering i loyed germanium and silicon. V. I. Fistul', E. M Omel'ianovskii, Z. I. Tatarov. Fiz. tver. tela 6 974-980 Ap '64.

Studying the molecular structure of high-temperat vapor based on the scattering of fast electrons. Rambidi, V. P. Spiridonov. Teplofiz. vys. temp. no. 2:280-281 Mr-Ap '64.

ELECTROPHORESIS

Electrophoretic study of the protein composition o serum of immunized rabbits. M. O. Pogosian. V radiobiol. [AN Arm. SSR] 3/4:141-144 '63.

Preparative fractionation of blood proteins by the of continuous electrophoresis in the I I P-2 appar N. N. Lapteva and others. Vop. med. khim. 9 no 84-89 Ja-F '63.

Separation of alkaline elements by electrophoresis Part 1: Separation of rubidium and cesium with a monium p-tungstate. V. P. Shvedov, G. F. Nichugo Radiokhimiia 6 no. 1:104-107 '64.

Separation of alkaline elements by electrophoresis. Part 2: Separation of rubidium and cesium ions i potassium ferrocyanide solutions. V. P. Shvedov. G. F. Nichugovskii. Radiokhimiia 6 no. 1:107-11 '64.

ELECTROPHYSIOLOGY

Akademiia nauk SSSR. Institut vysshei nervnoi deiat nosti i neirofiziologii. [Mechanisms of compensat adaptations; electrophysiological analysis of comp tory functions] Mekhanizmy kompensatornykh prisp soblenii; elektrofiziologicheskii analiz kompensat funktsii. Moskva, Izd-vo "Nauka," 1964. 204 p.

Bioelectric activity of the nervous system in develo and diapausing pupae of lepidopterons (Lepidoptera V. P. Tyshchenko. Ent. oboz. 43 no. 1:118-130 '64

[illegible]

EMBRYOLOGY (BOTANY) see Botany—Embryology

EMBRYOLOGY, HUMAN

[illegible]

EMPLOYEE VACATIONS see Vacations, Employee

EMPLOYEES, DISMISSAL OF

[illegible]

EMPLOYEES, RELOCATION OF

[illegible]

EMPLOYEES, TRAINING OF

[illegible]

EMPYEMA

[illegible]

EMULSIONS

[illegible]

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

[illegible]

[illegible] encephalitis and [illegible] [P'eng Chien-[illegible]] Vop. med. virus. no. 6 57-71 '59.

Complement fixation reaction in tick-borne encephalitis. [illegible] Vop. med. virus. no. 6 68-73 '59

[illegible] due to hyperimmuni-[illegible] virus of tick-borne encephalitis. L. N. [illegible] Vop. med. virus. no. 6 142-145 '59.

[illegible] of the [illegible] form of tick-borne encephalitis. A. V. Freiman. Vop. med. virus. no. 6 [illegible]-92 '59.

[illegible] of experimental Japanese encephalitis in [illegible] Vop. med. virus. no. 6 244-[illegible]

[illegible] to the problem of tick-borne encephalitis. [illegible] Vop. med. virus. no. 6 3-11 '59.

Prevention and treatment of tick-borne encephalitis with [illegible]. A. V. Freiman, I. M. Ivanova. Vop. med. virus. no. 6 139-141 '59

[illegible] characteristics of humoral immunity in tick-borne encephalitis in people. L. N. Levkovich and others. Vop. med. virus. no. 6 28-33 '59.

ENCEPHALITIS—PREVENTION
(see also subdivision under Kuybyshev Province; Sverdlovsk Province, Tomsk Province)

Control of the principal carrier and host of the virus of tick-borne encephalitis in nature. N. N. Gorchakovskaia. Vop. med. virus. no. 6 121-125 '59

Results of decreasing the incidence of tick-borne encephalitis by means of exterminating carriers in nature. E. N. Levkovich, A. V. Freiman, N. N. Gorchakovskaia. Vop. med. virus. no. 6.110-116 '59

ENCEPHALITIS—PREVENTIVE INOCULATION

Determination of the complement fixing antibodies in the serum of people inoculated against tick-borne encephalitis. O. L. Rabinkhova. Vop. med. virus. no. 6 92-95 '59

Possibility of simultaneous vaccination against tick-borne encephalitis and typhoid-paratyphoid infection. O. I. Rabinkhova. Vop. med. virus. no. 6 95-101 '59.

ENCEPHALITIS VIRUSES
(see also subdivision under Hungary; Irkutsk Province)

Birds as a reservoir for the virus of tick-borne encephalitis. V. I. Bolotovskii. Vop. med. virus. no. 6 135-139 '59

Characteristics of hemagglutination reaction caused by the viruses of diphasic meningoencephalitis and those of tick-borne encephalitis. S. A. Ananian, G. I. Pitanova. Vop. med. virus. no. 6 73-78 '59

Color test in serum diagnosis of the group of tick-borne encephalitis viruses. G. D. Zasukhina, L. G. Karpovich. Vop. med. virus. no. 6.65-68 '59.

Cross-neutralization by sera of animals affected by snake venom and encephalitis virus. E. N. Pavlovskii, A. A. Pchelkina, I. F. Talyzin. Dokl. AN SSSR 156 no. 5 1239-1240 Je '64

Effect of the vacuum drying process, the fillers, and storage time on the stability of some neuroviruses. L. S. IAkovleva. Vop. med. virus. no. 6.264-267 '59.

Experimental data on the infection of the tick Ixodes persulcatus by the virus of tick-borne encephalitis. A. L. Dumina. Vop. med. virus. no. 6.132-135 '59.

Method of study of the virological and immunological characteristics of the foci of tick-borne encephalitis. E. N. Levkovich, A. L. Dumina, N. N. Bogomolova. Vop. med. virus. no. 6 78-82 '59

Peripheral activity of the virus of Japanese encephalitis. T. A. Borodina. Vop. med. virus. no. 6.248-251 '59.

Preservation of the virus of tick-borne encephalitis in milk, water and other substrates. S. IA. Gaidamovich, V. A. Vagzhanova. Vop. med. virus. no. 6 49-53 '59.

Resistance of the virus of Japanese encephalitis in the external environment. V. A. Vagzhanova. Vop. med. virus. no. 6:232-235 '59.

Study of the brain suspension of mice infected with the virus of tick-borne encephalitis by the method of zonal electrophoresis on paper. V. K. Izotov. Vop. med. virus. no. 6 104-107 '59.

Study of the characteristics of the tick-borne encephalitis agent in relation to the clinical aspect and the epidemiology of the disease. E. S. Sarmanova, V. V. Pogodina, G. N. Nikolaeva. Vop. med. virus. no. 6: 23-28 '59.

Study of the qualitative composition of protein fractions in the brain tissue of mice infected with the virus of tick-borne encephalitis by the method of continuous electrophoresis on paper. V. K. Izotov. Vop. med. virus. no. 6.107-110 '59.

Study of the toxic effect of the virus of tick-borne encephalitis, preliminary report. T. A. Borodina. Vop. med. virus. no. 6.61-65 '59.

Susceptibility of mice exposed to the action of X rays to the virus of tick-borne encephalitis. O. P. Peterson, A. K. Shubladze, T. N. Bychkova. Vop. med. virus. no. 6.53-57 '59.

med. virus. no. 6 236-243 '59.

Virological investigation of the cases of tick-borne encephalitis connected with the use of goat's milk. V. V. Pogodina. Vop. med. virus. no. 6:83-89 '59.

ENCEPHALITIS VIRUSES—CULTURES AND CULTURE MEDIA

Cytopathogenic effect of the group of tick-borne encephalitis viruses in cultures of transplantable cells of human angiosarcoma. E. N. Levkovich, L. G. Karpovich. Vop. med. virus. no. 6 45-48 '59.

Effect of acriflavine on the virus of tick-borne encephalitis in tissue cultures. E. N. Levkovich, G. D. Zasukhina. Vop. med. virus. no. 6 39-41 '59.

Oxidation processes in the tumorous cells of animals during the multiplication of the virus of tick-borne encephalitis in them. O. T. Lutikova, A. I. Ivanenko. Vop. med. virus. no. 6 101-104 '59.

Study of acute and chronic infection caused by tick-borne encephalitis virus in tissue culture. Report No. 1. Early stages of interaction of the virus of tick-borne encephalitis with the cell. A. D. Al'tshtein. Vop. virus. no. 6 707-712 N-D '63

Study of acute and chronic infection caused by tick-borne encephalitis virus in tissue culture. Report No. 2. Dynamics of accumulation and mechanism of spread of the virus of tick-borne encephalitis in tissue culture. A. A. Avakian, A. D. Al'tshtein, IAn Zhu-si [Yang Ju-hsi]. Vop. virus. no. 6 713-719 N-D '63

Tissue culture vaccines against tick-borne encephalitis. Report No. 1. Selection of tissue systems and dynamics of virus inactivation by means of formalin. E. N. Levkovich, G. D. Zasukhina. Vop. med. virus. no. 6 33-36 '59.

Tissue culture vaccines against tick-borne encephalitis. Report No. 2. Study of immunogenic and antigenic properties. E. N. Levkovich, G. D. Zasukhina. Vop. med. virus. no. 6 36-39 '59.

ENCEPHALOGRAPHY

Clinical and X-ray characteristics of epilepsy in children mainly in cerebellar and brain stem lesions. I. TS. Tets. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:257-266 '63

Effect of pneumoencephalography on the content of ascorbic acid in the cerebrospinal fluid. S. A. Gromov. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:271-276 '63

Effect of subarachnoidal introduction of oxygen on the content of ascorbic acid in the liquor. S. A. Gromov, R. A. Lisovskaia. Trudy Gos. nauch.-issl. psikhonevr. inst. 31.267-270 '63.

Materials on contrast X-ray diagnosis of cerebrovascular diseases. M. D. Gal'perin. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:285-296 '63

Methodology of contrast X-ray study in the diagnosis of tumors of the brain. M. D. Gal'perin, B. N. Pil'. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:177-236 '63

Methods of contrast X-ray study of the brain in various states of dementia in old age. M. D. Gal'perin, I. V. Bokii. Trudy Gos. nauch.-issl. psikhonevr. inst. 31: 297-314 '63

Morphological and functionally-dynamic disorders in epilepsy following a closed craniocerebral injury, pneumoencephalographic study. N. A. Zaichikova. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:251-256 '63

Pneumoencephalographic study in differential diagnosis of inflammatory diseases of the brain and tumors in case of the spastic syndrome. M. D. Gal'perin. Trudy Gos. nauch.-issl. psikhonevr. inst. 31 237-250 '63.

Venous pressure during pneumoencephalography in patients with some neuro-organic diseases. V. A. Kiselev. Trudy Gos. nauch.-issl. psikhonevr. inst. 31: 277-283 '63.

ENCEPHALOMYELITIS
(see also subdivision under Soviet Central Asia; Vilyuysk, Yakutia)

Virus of acute encephalomyelitis in man and its relation to multiple sclerosis. A. K. Shubladze and others. Vop. med. virus. no. 6.275-281 '59.

ENCEPHALOMYELITIS—MICROBIOLOGY
(see also subdivision under Vilyuysk, Yakutia)

Comparative study of the strains of American equine encephalomyelitis in hemagglutination reaction and in neutralization experiments on mice. L. L. Fadeeva, A. P. Pyrikova. Vop. med. virus. no. 6:261-264 '59.

Duration of the survival of the virus of American equine encephalomyelitis outside the organism. V. A. Vagzhanova. Vop. med. virus. no. 6:251-255 '59.

Study of some factors influencing the sensitivity of the titration and neutralization of the viruses of American equine encephalomyelitis in tissue culture. N. V. Kaverin. Vop. med. virus. no. 6:255-260 '59

ENCKE'S COMET

Ephemeride of Encke's comet for 1963-1964. S. G. Makover. Astron. tsir. no. 239 3-4 Ap '63

[illegible]
Eesti Riiklik Kirjastus, 1963. 63 p. illus. [In E

ENDOMETRIOSIS

Using polymyxin in endometritis of cows. I. A. Trudy Smol. NIVS no. [illegible]:264-269 '62

ENDOMETRIUM—TRANSPLANTATION

Endometrial transplantation as a method of treating of some forms of amenorrhea and sterility. [illegible] Kononova. Akush. i gin. no. 1:21-28 '6[illegible]

ENDOMETRIUM—TUMORS

Clinical picture of polyposis of the endometrium [illegible] Golubev. Akush. i gin. no. 1:[illegible] '63

ENDOSCOPY

Comparison of laparoscopic and roentgenologic [illegible] in diseases of the liver and bile ducts. A. [illegible] M. E. Bokshtein. Sov. med. 27 no. 10 [illegible]

ENDOTHELIUM

Morphological differences of the endothelium of [illegible] and venous vessels of the lymph nodes. [illegible] Dop. AN URSR no. 5.662-[illegible] '63.

ENERGY METABOLISM

Some qualitative characteristics of energy metabolism in the cells of [illegible] [illegible] Shmul'skaia, I. I. [illegible]. Vop. med. khim. [illegible] 27 Ja-F '63.

ENGELS, FRIEDRICH, 1820-1895

K. Marx and F. Engels on the problem of [illegible] D. P. Ageev. Uch. zap. kaf. obshchestv. nauk vuz. [illegible] Filos. no. 5:105-120 '64

"Karl Marx and Friedrich Engels in Koln, 1842-1852" G. Becker. Reviewed by [illegible] [illegible] ist. no. 2.149-152 '64

Marx, Karl, and Friedrich Engels. [Collected works] Sochineniia. Izd. 2. Moskva, Politizdat.
Vol 33 1964. 780 p.

Notes on a biography of F. Engels. [illegible] Nov. i noveish. ist. no. 1:105-107 '64.

Problems of historical science in the works of K. Marx and F. Engels. N. E. Zastenker. Vop. ist. [illegible] 3-26 Je '64.

Subject indexes to the second edition of the works of K. Marx and F. Engels. N. I. [illegible] [illegible] 54-58 '64.

ENGINEERING GEOLOGY
(see also subdivision under Bulla Island region)

Conditions of engineering geology [illegible] sinking in the Western Donets Basin. [illegible] Ugol' Ukr. 8 no. 1:[illegible] Ja '64.

Kolomenskii, N. V., and I. S. Komarov. [Engineering geology] Inzhenernaia geologiia. [IAroslavl'] Vysshaia shkola, 1964. 400 p.

Leningrad. Universitet. Geologicheskii fakul'tet. [Soil science and engineering geology] Gruntovedenie i inzhenernaia geologiia, sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1964. 100 p.

ENGINEERING LABORATORIES see subdivision under Leningrad

ENGINEERING STANDARDS see Standards, Engineering

ENGLAND see Great Britain

ENGLISH COMPOSERS see Composers, English

ENGLISH LANGUAGE—DICTIONARIES—ESTONIAN

Rauk, M., comp. [English-Estonian dictionary for schools] Inglise-Eesti sonaraamat koolidele. Tallin, Eesti Riiklik Kirjastus, 1964. 430 p. [In Estonian]

ENGURE, LAKE—DUCKS

Technique of banding one-day-old ducklings. [illegible] Ornitologiia no. 6 [illegible] '64.

ENRICHED FOOD see Food, Enriched

ENSILAGE
(see also subdivision under Krasnodar Territory, Moscow Province)

Bashkatov, V. P. [Silage as the basis of feeding] V osnovu kormleniia—silos. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 71 p.

Corn silage in summer fattening of young cattle. [illegible] Semak, N. I. Mosolov, V. IA. Makeenkov. [illegible] Nauch.-issl. inst. zhiv. Les. i Pol. 32:[illegible] '62.

New silage plants and the prospects of their introduction into agricultural practice. V. S. Sokolov, P. P. [illegible] Biul. Glav. bot. sada no. 53:95-99 '64.

Power requirements in the process of the mechanized harvesting of corn for silage. I. P. [illegible] V. A. Davydov. Vest. sel'khoz. nauki 9 no. [illegible] My '64

Using corn silage in summer feeding of cows. O. I. Pasechnik. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32:5-9 '62.

[illegible]

(See also subdivision under Azerbaijan, [illegible] Valley, [illegible] Ridge, [illegible] Valley; [illegible] District, Russia, Northern)

[illegible]

EROSION OF METALS

[illegible]

ERRORS, THEORY OF

[illegible]

ERYTHREMIA

[illegible]

ERYTHROCYTES

[illegible]

ERYTHROCYTES, PERMEABILITY

[illegible]

[illegible]

[illegible] of [illegible] typical phages and some of their [illegible]. R.I.Pi[illegible], M.G.Gelashvili. Zhur. [illegible] epid. i immun. 40 no.6:91-95 Je '63

[illegible] of colicin by recombinants produced under [illegible] conditions and subsequent transmission of colicinogeny. V.G.Petrovskaia, R.IU.Tashpulatov. Zhur. mikrobiol., epid. i immun. 40 no.6:79-84 Je '63

[illegible] biochemical properties of enteropathogenic [illegible] coli. S.G.Smirnov. Zhur. mikrobiol., epid. i immun. 40 no.10 116-120 O '63.

Study of the reproduction of the phage T_1 in X-ray irradiated cells of Escherichia coli B. R.A.Ter-Pogosian, A.T.Ter-Avetisian. Vop. radiobiol. [AN Arm SSR] 3/4 71-76 '63

ESOPHAGODUODENOSTOMY

Gastrectomy and esophagoduodenostomy in stomach cancer. I.M.[illegible]. Soob. AN Gruz SSR 30 no.3 353-[illegible] Mr '63

ESOPHAGUS—CANCER

Some blood coagulation factors in cancer of the stomach and esophagus. P.M.Isakhanov, M.D.Lapon. Khirurgiia 39 no.8 90-92 Ag '63

Surgical technique in cancer of the esophagus in connection with the determination of the extent of the spread of the process. A.I.Reshetov, V.I.Filin. Vop.onk. 8 no.12 18-21 '62.

ESOPHAGUS—FOREIGN BODIES

Possibilities of early X-ray diagnosis of lesions of the cervical portion of the esophagus caused by foreign bodies. B.N.Nevskii, IA.A.Lastovskii. Vest.rent.i rad. 38 no.6 45-48 N-D '63.

ESOPHAGUS—RADIOGRAPHY

Possibilities of early X-ray diagnosis of lesions of the cervical portion of the esophagus caused by foreign bodies. B.N.Nevskii, IA.A.Lastovskii. Vest.rent.i rad. 38 no.6 45-48 N-D '63.

ESOPHAGUS—*SURGERY*

Surgical technique in cancer of the esophagus in connection with the determination of the extent of the spread of the process. A.I.Reshetov, V.I.Filin. Vop.onk. 8 no.12:18-21 '62.

ESSENCES AND ESSENTIAL OILS

Investigating redistilled essential oil of coriander. H.V.Makarova, IU.H.Borysiuk. Farmatsev.zhur. 14 no.3 43-46 '59.

Use of the aromatic substances of fruit. A.N.Samsonova, F.I.Shubich. Kons.i ov. prom. 19 no.4:36-37 Ap '64.

Volatile acid content in *leaves and seeds of* type oilseed plants. L.P.Zhdanova. Dokl. AN SSSR 156 no.5: 1229-1231 Je '64.

ESSENCES AND ESSENTIAL OILS—PHYSIOLOGICAL EFFECT

Effect of essential oils and their individual components on various microbe groups. Report No.1 Investigation of the antibacterial and protistocidal properties *of some essential* oils and their individual components. O.V.Chuiko, IU.H.Borysiuk, IU.H.Pavlots'ka. Farmatsev.zhur. 15 no.5 54-58 '60.

ESTERS

Effect of the structure of initial biphenols on the properties of polyarylates. V.V.Korshak, S.V.Vinogradova, V.A.Pankratov. Dokl.AN SSSR 156 no.4:880-883 Je '64.

Heterochain polyesters. Report No.49: Regularities of the formation of polyamidoarylates under conditions of interfacial polycondensation. V.V.Korshak, S.V.Vinogradova, U.Ban-tuan' (Wu Pang-yuan). Izv.AN SSSR Ser.khim. no.5:897-904 My '64.

Korshak, V.V., and S.V.Vinogradova. [Polyarylates] *Poliarilaty.* Moskva, Izd-vo "Nauka," 1964. 67 p.

Mechanism of reactions of phosphorus acid chlorides with oxides *of alkenes* and dienes. A.N.Pudovik, E.M.Faizullin. Zhur.ob.khim. 34 no.3:882-889 Mr '64.

Obtaining aldehydes in the reduction of carboxylic acid esters with aluminum hydride. L.I.Zakharkin, V.V.Gavrilenko, D.N.Maslin. Izv.AN *SSSR.Ser.khim.* no.5:926-928 My '64.

Synthesis of diethyl ester *of* α,β-dicarbethoxyadipic acid. V.I.Zaretskii, N.S.Vul'fson. Izv.AN SSSR.Ser.khim. no.5:925-926 My '64.

Synthesis of *esters of* β-naphthylphosphorous acid. P.A.Kirpichnikov, IA.A.Gurvich, M.V.Ivanova. Zhur.ob.khim. 34 no.3:856-857 Mr '64.

ESTONIA—ACCOUNTING—LAW

[Collection of leading materials on accounting] Raamatupidamise juhendmaterjalide *kogumik. Tallinn,* Eesti NSV Rahvamajanduse Noukogude Tehnilise Informatsiooni Keskburoo, 1964. 765 p. [In Estonian]

ESTONIA—ADVERTISING

We are setting up advertising together. K.Todesen. Sov.torg. 37 no.1.31-35 Ja '64

[illegible] Tallinn, Eesti Riiklik Kirjastus, 1964. 105 p. [In Estonian]
(DNAL)

ESTONIA—AGRICULTURAL WORKERS

[The talk continues] Konelus jatkub. Tallinn, Eesti Riiklik Kirjastus, 1963. 105 p. [In Estonian]

ESTONIA—AGRICULTURE—ECONOMIC ASPECTS

Sepp, Jaan. [Correspondence between wages and the efficiency of labor in the agriculture of the Estonian S.S.R.] Tootasu vastavusest tootlikkusele Eesti NSV pollumajanduses. Tallinn, Eesti Riiklik Kirjastus, 1963. 100 p. [In Estonian]

ESTONIA—BUILDING MATERIALS

Kiviselg, Feliks, and Eugen Ojamaa. [Local building materials] Kohalikud ehitusmaterjalid. Tallinn, Eesti Riiklik Kirjastus, 1964 278 p. [In Estonian]

ESTONIA—CABLES

Establishing norms for the expenditures connected with the work of equipment. L.Sarapik. Bukhg.uchet 21 no.2 37-40 F '64

ESTONIA—CAPITALISM

Sepre, Oskar. [The bourgeois state of Estonia in the service of monopolies] Eesti kodanlik riik monopolide teenistuses. Tallinn, Eesti Riiklik Kirjastus, 1963. 186 p. [In Estonian]

ESTONIA—CHOIRS (MUSIC)

[Tartu Student Choir, 1912-1962] Tartu Uliopilasmeeskoor 1912-1962. Tartu, 1962. 69 p. illus. [In Estonian]

ESTONIA—COLLECTIVE FARMS

Hagelberg, R. [Economic analysis of collective farm production] Kolhoositootmise majanduslik analuus. Tallinn, Eesti Riiklik Kirjastus, 1963. 211 p. [In Estonian]

Kaaramaa, Lembit. [The soviet village on the road to communism] Noukogude kula teel kommunismile. Tallinn, Eesti Riiklik Kirjastus, 1962 69 p. (Sotsialistlikult majanduselt kommunistlikule majandusele) [In Estonian]

ESTONIA—COMRADES COURTS

Estonian S.S.R. Ulemnoukogu. Presiidium. [Fundamental law on comrades courts of the Estonian S.S.R. Official text with amendments made by the Presidium of the Supreme Soviet of the Estonian S.S.R. by the law of February 29, 1964 (Eesti NSV UN Teataja 1964, no.10, art.54)] Eesti NSV seltsimeeskohtute pohimaarus. Ametlik tekst muudatustega, mis on tehtud Eesti NSV Ulemnoukogu Presiidiumi 1964. a. 29. veebruari seadusega (Eesti NSV UN Teataja 1964. nr.10, art.54). Tallinn, Eesti Riiklik Kirjastus, 1964. 37 p. [In Estonian and Russian]

ESTONIA—COSTS, INDUSTRIAL

Establishing norms for the expenditures connected with the work of equipment. L.Sarapik. Bukhg.uchet 21 no.2 37-40 F '64.

ESTONIA—ECONOMIC CONDITIONS

Erman, Nikolai, and Meta Kitsatova. [Consumption in the period of transition to communism] Tarbimine kommunismile ulemineku perioodil. Tallinn, Eesti Riiklik Kirjastus, 1963. 97 p (Sotsialistlikult majanduselt kommunistlikule majandusele) [In Estonian]

ESTONIA—ECONOMIC POLICY

Muur, Helki. [Management and planning in the national economy] Rahvamajanduse juhtimine ja planeerimine. Tallinn, Eesti Riiklik Kirjastus, 1964. 120 p. (Sotsialistlikult majanduselt *kommunistlikule* majandusele) [In Estonian]

ESTONIA—FORESTS AND FORESTRY—ECONOMIC ASPECTS

Margus, Malev. [Economic importance of Estonian forests] Eesti metsade rahvamajanduslikust tahtsusest. Tallinn, Eesti Riiklik Kirjastus, 1964. 31 p. [In Estonian]

ESTONIA—*GAS BURNERS*

Gas-mazut burner operating on shale gas in the "Ilmarine" Plant. I.N.Steiner. Gaz prom. 9 no.5:25-27 '64.

ESTONIA—GRAIN-HANDLING MACHINERY

Linask, Uljar. [Experience in grain treatment after harvesting] Teravilja koristusjargse tootlemise kogemusi. Tallinn, Eesti Riiklik Kirjastus, 1963. 40 p. [In Estonian]
(DNAL)

ESTONIA—*HISTORY*

[Memorials of the revolutionary *past in the* Estonian *S.S.R.*] Revolutsioonimalestisi Eesti NSV-s. Tallinn, Eesti Riiklik Kirjastus, 1963. 48 p. illus. [In Estonian]

[illegible] socialist revolution in Estonia; the development of industry before 1917] Toostuslikult [illegible] sotsialistlikule revolutsioonile Eestis, [illegible] aastani. Tallinn, Eesti NSV Te[illegible] deemia Ajaloo Instituut, 1963 507 p. [In

ESTONIA—INTERPELLATION

Kiispuu, Arved. [The delegate's right of [illegible]] Rahvasaadiku arupärimisoigus. Tallinn, E[illegible] Kirjastus, 1962. 20 p. [In Estonian]

ESTONIA—LABOR PRODUCTIVITY

Turk, Vambola. [Why the productivity of labor grow faster than wages] Miks [illegible] kiiremini kui tootasu. Tallinn, Eesti Riiklik [illegible] 1963. 69 p. (Sotsialistlikult majanduselt [illegible]likule majandusele) [In Estonian]

ESTONIA—LIBRARY SCIENCE

Tallinn. Friedrich Reinhold Kreutzwaldi [illegible] NSV Riiklik Raamatukogu. [Library science [illegible] Estonia; collection of articles] Noukogude [illegible] raamatukogundus; artiklite kogumik. Tallinn [illegible] Riiklik Kirjastus. [In Estonian]
Vol. 2. Raan, L., comp. 1964. 204 p

ESTONIA—LIMING OF SOILS

Using shale ashes in liming. [illegible] 20 no.5:[illegible]-62 My '64.

ESTONIA—OIL SHALES

Production of synthetic ammonia [illegible] Estonian S.S.R. A.[illegible] 7-10 '64.

ESTONIA—ORTHOPTERA

Albrecht, Zinaida. [Estonian Orthoptera [illegible]] Eesti sihktiivalised (Orthoptera [illegible]) Tartu, Eesti NSV Teaduste Akadeemia, 1964, 140 p. [In Estonian]

ESTONIA—PATENT LAWS AND LEGISLATION

Vabariigi patenditootajate seminari [illegible] Tallinn. [Recommendations of the Republic [illegible] of Patent Workers of the Republic held at Tall[illegible] October 14-16 of this year] [illegible] seminara-soveshchaniia patentnykh rabotnikov [illegible] *bliki, sostoiavshegosia* 14-16 oktiabria [illegible] Tallinne. Tallinn, ENSV RMN Tehnilise [illegible] Buroo, 1963. 7 p. [In Estonian and Russian]

ESTONIA—POLITICS AND GOVERNMENT

[The Party's fighting helpers, work of the [illegible] and state control] Partei aktiivsed abilised; [illegible] partei- ja riiklikkontrolli organite [illegible] linn, Eesti Riiklik Kirjastus, 1964 [illegible]

ESTONIA—REVOLUTION, 1917-1921

Tipner, Johannes. [In the fire of revolution] [illegible] revolutsiooni. Tallinn, Estonskoe gos. izd-vo, [illegible] 309 p. 12 diagr. (insert)

ESTONIA—SHEEP

Koca, Heino, and Eduard Musto. [Rational [illegible] farming] Lambakasvatuse ratsionaalse korraldus[illegible] Tallinn, Eesti Riiklik Kirjastus, 1964 [illegible] p. [In Estonian]
(DNAL)

ESTONIA—SOVIETS

[A delegate's notebook] Rahvasaadiku [illegible] Tallinn, Eesti Riiklik Kirjastus, 1962. [illegible] [In Estonian]

Soviets and the development of the [illegible]. A.M[illegible] Part. zhizn' no.11 31-37 Je '64

ESTONIA—SPORTS

Laping, Eero, comp. [Sports in Estonia] Sport in Ee[illegible] Tallinn, Eesti Riiklik Kirjastus, 1963. [illegible] illus.) [In Estonian]

ESTONIA—SUGAR BEETS

Podaja, Valter. [Sugar-beet growing in Estonia] Suhkrupeedikasvatusest Eestis. Tallinn, Eesti Riiklik *Kirjastus,* 1964. 60 p. [In Estonian]
(DNAL)

ESTONIA—SWINE

Nigul, Leo. [Rational swine farming] Ratsionaalne *porsakasvatus.* Tallinn, Eesti Riiklik Kirjastus, 1[illegible] 62 p. [In Estonian]
(DNAL)

ESTONIA—TURNIPS—VARIETIES

Hybrid turnip "Kuusiku." K.Vahenomm, [illegible]. Zemledelie 26 no.5:91 My '64.

ESTONIA—UNIVERSITIES AND COLLEGES

Estonian S.S.R. Riiklik Korgema ja Kesk-Erihariduse Komitee. [Handbook for persons entering higher [illegible] in 1964] Teatmik 1964. aastal korg[illegible] keskeriõppeasutustesse astujatele. Tallinn, 1964. 15[illegible] p. [In Estonian]

[illegible] 1964. [illegible] p. [In [illegible]]
(DNAL)

ETHIOPIA—WAGES
[illegible] 1964. [illegible]

ESTONIAN LANGUAGE
[illegible] 1964. [illegible]

ETCHING
[illegible]

ETHANES
[illegible]

ETHANOL
[illegible]

ETHERS
[illegible]

ETHNOLOGY see [illegible]

ETHNOLOGY—BIBLIOGRAPHY see [illegible]

ETHYL ALCOHOL
[illegible]

ETHYL ALCOHOL—ABSORPTION SPECTRA
[illegible]

[illegible]

ETHYLENE
[illegible]

[illegible]

[illegible]

EURASIA—BRONZE AGE
[illegible]

EURASIA—PALEOBOTANY, STRATIGRAPHIC
[illegible]

EURASIA—STONE AGE
[illegible]

EUROPE—DESCRIPTION AND TRAVEL
[illegible] [From various points of the compass; a [illegible]] [illegible] 1964. [illegible] p. [In [illegible]]

[illegible] Kingdom of Europe." [illegible]

EUROPE—HISTORY
Annotations. Nov. knigi [illegible] no. 1964.

Nekrasov, G. A. [Russo-Swedish relations and the policy of the Great Powers from 1721 to 1726] Russko-shvedskie otnosheniia i politika velikikh derzhav v 1721-1726 gg. Moskva, Izd-vo "Nauka," 1964. 374 p.

EUROPE—MIDDLE AGES
[illegible]

EUROPE—ZOOGEOGRAPHY
[illegible]

EUROPE, CENTRAL see Central Europe

EUROPE, EASTERN—CHEMICAL INDUSTRIES
[illegible]

EUROPE, EASTERN—COMMUNIST PARTIES
[illegible] [illegible] 1964. [illegible] p.

EUROPE, EASTERN—DIVISION OF LABOR
[illegible]

EUROPE, EASTERN—ECONOMIC CONDITIONS
[illegible]

EUROPE, EASTERN—ECONOMIC POLICY
[illegible]

[illegible]

EUROPE, EASTERN—FINANCE
[illegible]

EUROPE, EASTERN—HISTORICAL RESEARCH
[illegible]

EUROPE, EASTERN—INCENTIVES IN INDUSTRY
[illegible]

EUROPE, EASTERN—INDUSTRIAL ORGANIZATION
[illegible]

EUROPE, EASTERN—INDUSTRIES
[illegible]

EUROPE, EASTERN—LAWYERS
[illegible]

EUROPE, EASTERN—RELATIONS (GENERAL) WITH RUSSIA
[illegible]

EUROPE, EASTERN—REVOLUTIONS
[illegible] special features, and stages of people's democratic revolutions in the [illegible] [illegible] 1964.

EUROPE, EASTERN—YOUTH—SOCIETIES, ETC.
Krasheninnikov, A. S. [Brothers of Lenin's Communist Youth [illegible]] [illegible] Moskva, [illegible] 1964. [illegible]

In an impasse again M. Pavlova Mezhdunar zhizn' 11 no 6 110-111 Je '64

EUROPE, WESTERN—ECONOMIC INTEGRATION

Causes of imperialistic "integration" in Western Europe V Motylev. Nauch dokl vys shkoly: ekon nauki 7 no.1 76-87 '64

EUROPE, WESTERN—FOREIGN RELATIONS

Kniazhinskii, V. B [Western Europe and the problem of peaceful coexistence] Zapadnaia Evropa i problema mirnogo sosushchestvovaniia. Moskva, Sotsekgiz, 1963 285 p

EUROPE, WESTERN—HISTORY

Akademiia nauk URSR, Kiev. Instytut istorii. [Modern history of the West European countries and America, 1918-1939] Novitnia istoriia krain Zakhidnoi Evropy i Ameriky, 1918-1939. Kyiv, Radians'ka shkola.
Vol. 1 1962. 562 p.

EUROPE, WESTERN—INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Electric power transfer between Western European countries N S Munin Elektrichestvo no 1 73-76 Ja '64

EUROPEAN ATOMIC ENERGY COMMUNITY

Some problems in Euratom's work in the field of scientific information A.E.Kibrik. NTI no.2:63-64 '64.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

In an impasse again M. Pavlova Mezhdunar. zhizn' 11 no.6 110-111 Je '64.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—SUGAR INDUSTRY

Productive capacity of the sugar industry of the "Common Market" countries E A.Gusev Sakh prom 38 no 4 56-59 Ap '64

EUROPEAN FEDERATION

Erhard's touting of "Little Europe." L.Kait Mezhdunar. zhizn' 11 no 6 111-112 Je '64.

EUROPEAN WAR, 1914-1918 see subdivision under Germany; Yugoslavia

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

The imperialist policy of the Entente and United States regarding the Ukraine. R.H.Simonenko. Ukr. ist zhur. 8 no.2 69-76 Mr-Ap '64.

EUROPEAN WAR, 1914-1918—SECRET SERVICE

Russian intelligence in the First World War, 1914-1918. I.Bol'shakov. Voen.-ist.zhur. 6 no.5:44-48 My '64.

EUTECTICS

Structure of the eutectic grain in metallic alloys. P.A. Parkhutik Dokl AN BSSR 8 no.4 250-253 Ap '64.

EVAPORATING APPLIANCES

Automation of the supply of heating steam to evaporators. N.A.Naumov. Energetik 12 no.5 18-19 My '64

Distribution of functional temperature difference between the stages of a uniflow evaporating system T A Kolach Trudy MEI no 48 23-30 '63

ISV-120 evaporator with two-stage steam scrubbing. F.K.Golubev, A.A.Shiriaev. Teploenergetika 11 no.4 31-34 Ap '64.

Using the electric conductivity method for the continuous automatic control of salt entrainment in evaporating apparatus. A.M Kutepov. Trudy MIKHM 25:92-101 '63

EVAPORATION

Investigating temperature distributions during the evaporation from solid state in a vacuum. E A.Ermakova Inzh -fiz.zhur. 7 no.5.34-38 My '64

Nonequilibrium vaporization of tantalum. V.A.Shustrov, R.M.Khasanov, A.Kh.Aliukhanov. Izv.AN Uz.SSR. Ser.fiz.-mat.nauk 8 no.1:31-34 '64

EVAPORATION (METEOROLOGY)

Budagovskii, A.I. [Evaporation of soil moisture] Isparenie pochvennoi vlagi. Moskva, Izd-vo "Nauka," 1964. 242 p.

EVARNITSKII, DMITRII IVANOVICH, 1855-1940

Deeper exploration of our scientific heritage. D P. Poida. Ukr.ist.zhur. 8 no.2:158-160 Mr-Ap '64.

EVENING AND CONTINUATION SCHOOLS

Dictated by life. A.Memruk. Prof.-tekn obr. 21 no 5 10-11 My '64.

Further improvement of evening and correspondence education. Sred.spets.obr. 11 no.5:1-5 My '64.

Seminar studies in the evening departments of institutions of higher learning. O.Suleimanov Nauch.dokl.vys. shkoly: ekon.nauki 7 no.1:99-104 '64.

Current problems relating to the theory of judicial evidence in criminal procedure G Mosesian Sots zakon 41 no 3 47 Mr '64

EVIDENCE, CRIMINAL

Checking evidence at the locality of the crime S.Stepichev Sots zakon 41 no 3 64-65 Mr '64

Current problems relating to the theory of judicial evidence in criminal procedure G.Mosesian Sots zakon 41 no 3 47 Mr '64

Petrukhin, I. L. [Expert evidence as a means of proof in Soviet criminal procedure] Ekspertiza kak sredstvo dokazyvaniia v sovetskom ugolovnom protsesse. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 264 p.

EVIDENCE, EXPERT

Conclusions in expert testimony must conform to the highest scientific standards Sots zakon 41 no 3 67-71 Mr '64

Petrukhin, I. L. [Expert evidence as a means of proof in Soviet criminal procedure] Ekspertiza kak sredstvo dokazyvaniia v sovetskom ugolovnom protsesse. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 264 p.

EVIDENCE (LAW)

Ivanov, O.V. [The principle of objective truth in Soviet civil procedure; lectures for students of evening courses] Printsip ob"ektivnoi istiny v sovetskom grazhdanskom protsesse; lektsiia dlia studentov vechernego otdeleniia. [Moskva] Izd-vo Mosk.univ., 1964. 76 p.

EVOLUTION

Origin of metabolism and its evolution. A.I.Oparin. Priroda 53 no.6:29-33 '64.

Out-of-town session of the Scientific Council in Tbilisi on the subject "Structure and Evolution of the Earth" E E Milanovskii, A A.Sorskii Izv AN SSSR Ser geofiz no 5.747-753 My '64.

The second law of thermodynamics in the individual and general evolution of living systems I F Kovalev Vop filos 18 no 5 113-119 '64

EXAMINATIONS see subdivision under Latvia

EXCAVATING MACHINERY
(see also subdivision under Kostroma)

Determining the efficient speed for turning the platform of a single-motor excavator. S.M.Borisov. Stroi.i dor.mash. 9 no.3:18-19 Mr '64

Economic effectiveness of using polycaprolactam bearings during the repair of excavators. M.F.Stramous. Stroi.i dor.mash 9 no.5:20-22 My '64.

Excavators in the construction of tile drainage. V.Karlovskii. Tekh.v sel'khoz. 24 no.3:37-38 Mr '64.

Improving the durability of the four-row roller chain of the E-505 and E652 excavators V.P.TSibulin. Stroi. i dor.mash. 9 no.5:18-20 My '64.

Practices of a group aiding Party and State inspection at the Kovrov Excavator Plant. M.I.Korunov. Stroi.i dor.mash. 9 no.3:34-35 Mr '64.

Rotary excavator is a unit of continuous production. G.V.Fominykh. Sbor po.obm.opyt.v tsem.prom. no.1 49-52 '60.

Technical level of the production of single-shovel excavators in capitalist countries. F.F.Drazhan Stroi i dor.mash. 9 no.5:26-27 My '64.

EXCAVATING MACHINERY—ELECTRIC DRIVING

Electric drive of the ESh-10/60 excavator. IU.T. Kalashnikov, D.A.Kaminskaia, M.I.Kraitsberg. Stroi.i dor.mash. 9 no.5:15-16 My '64.

EXCAVATING MACHINERY—LUBRICATION

Centralized lubrication of excavators. I.I.Neshcheret. Gor.zhur. no.11:68-69 N '63.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Experience in organizing mixed crews for the repair of excavators. A.T.Popov. Stroi.i dor.mash. 9 no.5:37-38 My '64.

Replacement of the front-tire wheels of the E-153 excavator Prom.Arm. 7 no 2,43 F '64

EXCITATION (PHYSIOLOGY)

Adequate optical chronaxy in disseminated sclerosis. A.M.Klimovich. Dokl.AN BSSR 8 no.4,273-275 Ap '64.

Comparative genetic studies on the mobility of the nervous system in rats with a high degree of sensitivity to sound stimuli and in Wistar rats. M.S.Alekseeva, V.I.Elkin, V.K.Fedorov. Zhur.vys.nerv.deiat. 14 no.1:110-115 Ja-F '64.

Correlation of excitation and inhibition processes in the auditory analysor of the dog under the influence of pure tones. N.N.Lazuko. Zhur.vys.nerv.deiat. 14 no.2: 296-300 Mr-Ap '64.

Effect of chronic changes in the level of stimulation of the unconditioned food center on the dynamics of conditioned and unconditioned reflexes in chickens in various stages of ontogeny. G.P.Smirnova. Zhur. vys.nerv.deiat. 14 no.1.116-121 Ja-F '64.

the mobility of nervous processes in establishing nervous system type. E.P.Kokorina. Zhur.vys deiat. 14 no.1:95-101 Ja-F '64.

EXCITONS

Effect of deformation and a high magnetic field on exciton absorption of light in CdS crystals V.V Eremenko, IU.A.Popkov. Fiz.tver.tela 6 no. 1138-1140 Ap '64.

Entrainment of Mott excitons by current carriers effect of zero and negative mobility A.A.Lipni Fiz.tver.tela 6 no.4:1075-1077 Ap '64.

EXCITONS—DECAY

Some characteristics of pair coupling producing ar citon and its decay on phonons. Effect of these es on the behavior of nonequilibrium carriers. Lipnik. Fiz.tver.tela 6 no.4.1066-1074 Ap '6

EXHAUST SYSTEMS

Wear of the rotors of agglomerate exhaust fans. A Bruk, S.IA.Shekhter. Prom.energ. 19 no.5:25 My '64.

EXHIBITIONS

Practices of the Nova Plant in organizing exhibitior particular subjects. V.A.Isaev. NTI no.4:10 '

EXOPHTHALMOS

Electroencephalographic characteristics in lesions diencephalic region and brain stem associated wit progressive exophthalmos. S.M.Ivalikov, V.I G fand. Zhur.vys.nerv.deiat. 14 no.2:229-235 M '64.

EXOSTOSIS

X-ray diagnosis of hyperostosis frontalis interna Panfilova Trudy Gos.nauch.-issl psikhonevr. in 31:121-128 '63.

EXPANSION OF LIQUIDS

Flotation method for analyzing the isotope compos of magnesium. V.S.Rylov. Zhur.fiz.khim. 3 1999-2001 S '62.

EXPERIMENTAL ONCOLOGY see Oncology, Experi

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIONS

Explosions on the surface of liquids. V.I Iliukh no 3:159-161 My-Je '64

Nonstationary theory of thermal explosions V V Ba kin and others PMTF no 3 118-125 My Je '64

EXPLOSIVE FORMING

Pikhtovnikov, R.V., and V.I.Zav'ialova. [Sheet-me work by explosion] Shtampovka listovogo metalla vzryvom. Moskva, Izd-vo "Mashinostroenie," 196 173 p.

EXPLOSIVES

Channeling effect in the detonation of explosives. A. Gol'binder, V.F.Tyshevich. Dokl.AN SSSR 156 905-908 Je '64.

Effect of pressure on the normal flame velocity of a methane-air mixture V.S.Babkin, I.A.Kozachenk I.L Kuznetsov. PMTF no.3 145-149 My Je '64

Kalman, L. [Explosives] Lohkeained. Tallinn, Tall Polutehniline Instituut, 1963. 121 p. [In Estonian]

EXTRACTION (CHEMISTRY)

Extraction of calcium by means of azo azoxy BN P Gorbenko, V.V.Sushko. Ukr.khim.zhur. 404 '64.

Influence of structural factors on the thermodynamic characteristics of the extraction of basic dye salts. Part 4: Extraction of brilliant green. K S Krasnov F.D.Kashirina. Radiokhimiia 6 no.2:191-201 '64.

Kinetics of extraction from a bed of a polydispersed mixture. G.A.Aksel'rud, E.M.Semenishin. Dokl. LPI 5 no.1/2:148-155 '63.

Kinetics of ion extraction by polymeric complex-form films. A.A.Efendiev and others. Zhur.fiz.khim. no.4:1035-1038 Ap '64.

Optimum conditions for the extraction of cardiac gl fro aqueous solutions with organic solvents. V.P.Kra renko. Farmatsev.zhur. 15 no.4:17-19 '60.

Process of extraction of inner-complex compounds of niobium and tantalum with lumogallion and pyrocatech resorcinol. I.P.Alimarin, Khan' Si-i [Han Hsi-i]. Vest.Mosk.un.Ser.2: Khim. 19 no.2:11-14 Mr-Ap

EXTRACTS

Extraction with the use of ultrasonic vibrations. I.A Shyniians'kyi and others. Farmatsev.zhur. 15 no. 46-49 '60.

Preparing extracts with the use of ultrasonic waves N.IA.Zykova and others. Farmatsev.zhur 16 no. 15-16 '61.

[illegible]

EXTREMITIES (ANATOMY)—DISEASES

Test for the determination of insufficiency of collateral blood circulation in the extremities. I. P. Mokeev. [illegible] no.10 [illegible] '61.

EXTRUSION (METALS)

[illegible]

EYE—ABNORMITIES AND DEFORMITIES

[illegible]

EYE—DISEASES

Sergievskii, N. S., I. A. Averbakh, and M. N. Ostrovskaia. [Methodological instructions of medical expertise on the capacity for work in diseases of the visual organ, manual for experts of medical therapeutic institutions and Medical Expert Commissions on Working Ability, and teachers of medical institutes] Metodicheskie ukazaniia po vrachebnoi ekspertize trudosposobnosti pri zabolevaniiakh organa zreniia, posobie dlia vrachei lechebno-profilakticheskikh uchrezhdenii VTEK, prepodavatelei meditsinskikh institutov. [illegible] Moskva, Medgiz, 1961. [illegible] p. [illegible]
[MICROFILM]

EYE—PARALYSIS

[illegible]

EYE—WOUNDS AND INJURIES

[illegible]

FABLES

[illegible]

FACIAL NERVE see subdivision under [illegible]

FACIES

[illegible]

FACTORIES see subdivision under [illegible]

FACTORIES—AIR CONDITIONING

[illegible] Moskva, [illegible] 1961. [illegible] p.

FACTORIES—DESIGN AND CONSTRUCTION

[illegible]

[illegible] Moskva, [illegible] 1961. [illegible] p.

FACTORY MANAGEMENT

[illegible] Moskva, [illegible] 1961. [illegible] p.

FALLOPIAN TUBES—CALCIFICATION

[illegible]

FALLOPIAN TUBES—DISEASES

[illegible]

[illegible]

[illegible]

FALLOPIAN TUBES—RADIOGRAPHY

[illegible]

[illegible] obturated fallopian tubes, experimental study. G. V. Gogitidze. Akush. i gin. no.1:37-40 '64.

FALLOPIAN TUBES—TRANSPLANTATION

Technique of transplanting the fallopian tubes into the uterus. M. V. Dubnov, N. I. [illegible]. Akush. i gin. no.1:90-91 '64.

FAMILY

[illegible]

FANS, MECHANICAL

The VTs-D-6 centrifugal mine fan [illegible]. Ugol' [illegible] no.1 [illegible] Ja '64.

FAR EAST—BRUSH-FOOTED BUTTERFLIES

"A new [illegible] of the genus Melitaea (Lepidoptera, [illegible])" [illegible]. Ent. oboz. 43 no.1 [illegible] '64.

FAR EAST—LEAF BEETLES

New species of leaf beetles from the genus Plateumaris (Coleoptera, [illegible]) from the Far East. [illegible] Ent. oboz. 43 no.1:190-192 '64.

FARM BUILDINGS

Kontsikhov, P. M. [Constructing livestock buildings of cast concrete; practices of the "Rodina Khrushcheva" Collective Farm in the village of Kalinovka, Kursk Province] Stroit. [illegible] zhivotnovodcheskikh pomeshchenii iz [illegible] betona; iz opyta kolkhoza "Rodina Khrushcheva" v Kalinovke Kurskoi oblasti. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 30 p.
[MICROFILM]

FARM BUILDINGS—DESIGN AND CONSTRUCTION see subdivision under Baltic States

FARM MANAGEMENT
(see also subdivision under Moscow Province; Siberia, Eastern)

[illegible]

[illegible]

[illegible]

FARM MANAGEMENT—CONGRESSES

[illegible]

FARM MANURE—COMPOSITION

[illegible]

FARM MECHANIZATION
(see also subdivision under Alekseyevka District, Belgorod Province; [illegible], Virgin Territory)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] N. Artemenko. [illegible] 27 [illegible] My '64.

FARM MECHANIZATION—STUDY AND TEACHING
(see also subdivision under Kazakhstan)

[illegible] technological diagrams for the training of [illegible]. S. S. [illegible] '64.

Let us develop the creative abilities of upperclassmen. I. P. Matiyenko. [illegible] 8 no.1:20-21 Ja '64.

[illegible] My '64.

[illegible] Agricultural machinery and [illegible] '64.

Together with a collective farm. I. F. Khomenko. [illegible] no.1:84-85 Ja '64.

FARM PONDS see subdivision under Orel Province

FARM PRODUCE

Marinchev, P. I., ed. [Manual on the quality of products from plant growing] Spravochnik po kachestvu produktov rastenievodstva. Moskva, Rossel'khozizdat, 1964. 253 p.

[illegible] Ap '64.

Romanova, D. [From agricultural production to the consumer] No lauksaimnieciskas razosanas lidz pateretajam. Riga, Latvijas Valsts izd-ba, 1961. 80 p. [In Latvian]

FARM PRODUCE—RESEARCH

In the Department of the Economics and Organization of Farm Production. Vest. sel'khoz. nauki 9 no.4:142-147 Ap '64.

FARM PRODUCE—TRANSPORTATION

Organize efficiently the transportation of freight for agriculture. A. V. [illegible]. Zhel.dor.transp. 46 no.4 [illegible] Ap '64.

FARMERS IN ART

Among remarkable people. I. Nerenshtadt, P. Rozin. Iskusstvo 27 no.4:30-34 Ap '64.

FASHION

[Fashion magazine] Zhur. mod. 20 no.75 Spring '64

[illegible]

FAT METABOLISM

Absorption of fat from the intestines in healthy rats. S. A. [illegible]. [illegible] no.5 [illegible] '64.

Role of the digestive tract in the protein and fat metabolism. [illegible] Vest. sel'khoz. nauki 9 no.5 [illegible] My '64.

Seasonal and annual changes in the accumulation of reserve nutrients and fat in the White Sea codfish (with summary in English). A. M. Anokhina. Zool. zhur. 43 no.2 [illegible] '64.

FATIGUE TESTING MACHINES

Unit for fatigue tests of large shaft models for hydraulic turbines and hydraulic generators. A. V. [illegible]. Vest. mashinostr. 44 no.5 [illegible] My '64.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY)
(see also subdivision under Balkhash Lake region; Dnieper-Donets Lowland; Kazakhstan; Pamirs; Soviet Central Asia; Tien Shan)

Horizontal displacements along faults and methods of studying them. [illegible] and others. Trudy GIN no.[illegible] '64.

Horizontal movements along faults during recent [illegible]. A. V. Lukiyanov. Trudy GIN no.[illegible] '64.

[illegible] hydrodynamic investigations [illegible]

FECES—ANALYSIS

Methods of taking samples of feces [illegible] for the purpose of the diagnosis of intestinal [illegible]. P. P. [illegible] Vest. sel'khoz. nauki [illegible] no.4:109-111 Ap '64.

FECES—MICROBIOLOGY

Bacterial [illegible] in food poisoning [illegible] M. M. Mikhailova. Zhur. mikrobiol., epid. i immun. 40 no.[illegible] '64.

FEDOROV, VLADIMIR GRIGOR'EVICH, 1874-

Vladimir Grigor'evich Fedorov. I. Glukhov. Voen. ist. zhur. [illegible] '64.

FEDOROV, VLADIMIR KONSTANTINOVICH, d. 1963

Vladimir Konstantinovich Fedorov; an obituary. Zhur. [illegible] 44 no.1:180 Ja-F '64.

FEDOROV, VLADIMIR SEMENOVICH, 1890-

Vladimir Semenovich Fedorov; on his 70th birthday. [illegible] 19 no.1:101 [illegible] '64.

FEED GRINDERS

Grinding [illegible] with the DKU-M crusher. T. Klimova. Tekh. v sel'khoz. 24 no.3:27-28 Mr '64.

FEED MECHANISMS

Feed mechanism for charging billets. A. I. Perlmutov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.4:[illegible] Ap '64.

FEED MILLS—EQUIPMENT AND SUPPLIES

Studying the process and working out the equipment for the addition of trace elements, antibiotics, and medicines to mixed feeds. L. F. [illegible]. Nauch. trudy Nauch.-issl. inst. [illegible] 13:117-130 '6[illegible].

FEEDBACK CONTROL SYSTEMS

Application of the maximum principle for the optimization of the control of objects with internal delayed feedback. [illegible]. Trudy MIKHM 25:[illegible]-413 '63.

FEEDS

Ammonium bicarbonate to supply the deficiency of protein in rations for ruminants. G.I Vilesov, O.V Kokhanskaia. Khim.v sel' khoz 2 no.1 53-56 Ja '64

Defluorination of the nitric acid extract from Karatau phosphorites by sericite N G Abdullina L I Rutkovskaia Trudy AZVI 12 628-632 '61

Preparing forage plants for feeding D F Chernyshev. Shkola i proizv 8 no 7 57-58 Jl '64

Producing feed precipitates from Karatau phosphorites by the method of fractional sedimentation N G Abdullina R Kh Sultanova Trudy AZVI 12 623-627 '61

Technical and economic evaluation of thermal methods for the production of feed calcium phosphates. V.I [illegible] Khim.prom (Ukr) no 4 55-58 O-D '63.

Using the products of chemical and microbiological synthesis in animal husbandry I A Lebedev Vest sel'khoz nauki 9 no 4 15-20 Ap '64.

FEEDS—ANALYSIS

Accelerated determination of cellular tissues in feeds A V Peterburgskii Kh P Peken'o, IU P Utenyshev Dokl TSKHA no 84 363-367 '63

Determining the carbamide content of loose mixed feeds. G.Tarasinskii. Muk.-elev.prom. 30 no.5 30-31 My '63.

FEEDS—COMPOSITION

(see also subdivision under Ulety District)

Amino acid, vitamin, and trace element content of feeds. A.Z.Baru and others. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32:127-133 '62.

FEEDWATER

Calculation of optimum feedwater temperature with variable operation of turbine systems E A Kin Sbor nauch soob SPI no 17 29-40 '62

Norms on the hardness of turbine condensate, L.D. Berman. Teploenergetika 11 no.4 75-77 Ap '64.

FEEDWATER—ANALYSIS

ORGRES, trust, Moscow. [Methods of industrial thermochemical testing of barrel boilers] Metodika ekspluatatsionnykh teplokhimicheskikh ispytanii barabannykh kotlov. Moskva, Izd-vo "Energiia," 1964. 126 p.

FEEDWATER PURIFICATION

Automatic control of the dosing of a coagulant by means of electric conductivity impulses. K.G.Zeidel'. Energetik 12 no.5:17-18 My '64.

Construction of the drainage system of TKZ ion-exchanger filters M Sh Katsov, L N Sarachinskii Elek sta. 35 no 3 82-83 Mr '64

New types of washing systems V S Besan Elek sta 35 no 2 81-82 F '64

ORGRES, trust, Moscow. [Treatment of cooling water in thermal electric power plants] Obrabotka okhlazhdaiushchei vody na teplovykh elektrostantsiiakh. Moskva, Izd-vo "Energiia," 1964. 159 p.

Possibility of using dephenolized waters for the stabilization of feedwater in coke and coal chemicals plants. I.N.Ozhiganov. Koks i khim no.4:50-53 '64.

Removal water of soluble products of ion-exchanger materials from desalted water O I Martynova, B N. Simanovskaia. Z S Belova Trudy MEI no 48 201-210 '63

Repair of the grooved drainage system of sodium cation exchange filters. V.S.Gochev, M.T.Molchadskii. Energetik 12 no.5:24 My '64.

Use of highly mineralized boiler water for preparing a regenerated solution for sodium cation exchange filters. G.D.Umrikhin. Energetik 12 no.5:14-17 My '64.

FEMORAL ARTERY—SURGERY

Changes in the microstructure of walls of collateral arteries after deafferentation of the pelvic extremity in dogs [with summary in English]. R.A.Bardina. Arkh.anat.gist.i embr. 43 no.10.61-70 O '62.

FERGANA PROVINCE—COTTON—DISEASES AND PESTS

Effectiveness of combined fertilizers with poisonous chemicals for cotton. G.I.IArovenko, I.I.Protopopova. Trudy SoiuzNIKHI no.3:167-175 '63.

FERGANA PROVINCE—COTTON—FERTILIZERS AND MANURES

Effectiveness of combined fertilizers with poisonous chemicals for cotton. G.I.IArovenko, I.I.Protopopova. Trudy SoiuzNIKHI no.3,167-175 '63.

FERGANA PROVINCE—COTTON GROWING

Improvement of salinized soils. V.M.Legostaev. Trudy SoiuzNIKHI no.3.3-39 '63.

FERGANA PROVINCE—RED SPIDER—EXTERMINATION

Effectiveness of combined fertilizers with poisonous chemicals for cotton. G.I.IArovenko, I.I.Protopopova. Trudy SoiuzNIKHI no.3,167-175 '63.

Trudy SoiuzNIKHI no. 3 3-39 '63

FERGANA VALLEY—MEALYBUGS—EXTERMINATION

Quarantine measures for the control of the Comstock mealybug. I.K.Senderov, I.V Gel'fman. Zashch rast. ot vred i bol 8 no 10 50 O '63

FERGANA VALLEY—RUNOFF

Method for calculating the ionic runoff of mountain rivers, based on the example of the Fergana Valley rivers. M A.Burkal'tseva Vest Mosk un Ser 5, Geog 19 no.3:81-86 '64

FERMENTATION

Effect of nitrates, nitrites, and methylene blue on the amount of the fermentation products of typical lactic acid bacteria G.I.Pereverzeva Dokl TSKHA no.84:268-273 '63

FERMIUM

Extraction chemistry of fermium and mendelevium (TBP - HNO_3, TBP - HCl). I.Brandshtetr and others. Radiokhimiia 6 no.1 26-35 '64.

FERRATES see Ferrites (Magnetic materials)

FERRIMOLYBDITE

Investigations on the recovery of molybdenum from low-grade ferrimolybdite ores and concentrates. M.N. Zyrianov, A.S.Sinakevich, A.P.Nadol'skii. Trudy IPI no.18:123-129 '63.

FERRITE CRYSTALS

Domain structure of single crystals of ferrite-garnets of thulium, dysprosium, and therbium. A I.Drokin, B.V.Beznosikov. Kristalografiia 9 no.3:427-428 My-Je '64.

FERRITES (MAGNETIC MATERIALS)

Dynamics of the domain structure of thin ferrite plates as dependent on the magnetic field and temperature. A.I.Drokin, D.A.Laptei, R.D.Ivanov. Fiz.tver.tela 6 no.4:1223-1227 Ap '64.

Thermodynamic analysis of equilibrium in the dissociation of ferrites. A.N.Men' and others. Dokl.AN SSSR 156 no.4,912-915 Je '64.

Toporov, V.S. [Some problems in magnetic polarity reversal in ferrites in particular cycles of the hysteresis loop] Nekotorye voprosy peremagnichivaniia ferritov po chastnym tsiklam petli gisterezisa. Moskva, 1964. 21 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi tekhnike, no. 3)

Transient radiation in gyrotropic ferrite. E.D Gazazian, O S.Mergelian. Dokl.An Arm SSR 38 no 3:143-147 '64.

FERROCENE

Making the structure of ferrocene disulfochloride more precise. O.V.Starovskii, IU.T.Struchkov. Zhur. strukt.khim. 5 no.2:257-260 Mr-Ap '64

Structure determination of some isomeric disubstituted ferrocenes based on their infrared absorption spectra. G.G.Dvoriantseva and others. Dokl.AN SSSR 156 no.4:873-876 Je '64.

FERROELECTRIC CRYSTALS

Crystal chemistry of ferroelectrics having a structure of the type of tetragonal oxygenic tungsten bronze. N.N.Krainik and others. Kristalografiia 9 no.3: 352-357 My-Je '64.

FERROELECTRIC CRYSTALS—OPTICAL PROPERTIES

Change in the optical activity of ferroelectric crystals due to repolarization. L.A.Shuvalov, N.R.Ivanov. Kristalografiia 9 no.3:363-372 My-Je '64.

FERROELECTRIC SUBSTANCES

Observability of nuclear quadrupole resonance in the domain walls of ferroelectric substances. U.Kh. Kopvillem, V.A.Golenishchev-Kutuzov, V.R.Nagibarov. Fiz.tver.tela 6 no.4.1251-1253 Ap '64.

Piezoelectric effect in ferroelectric ceramics under hydrostatic pressure. O.K.Zhukov. Izv.vys.ucheb.zav.; fiz. no.2:66-68 '64.

Preliminary data on the X-ray diffraction study of VK-3 ferroelectric ceramics in constant electric fields. I.G.Ismailzade, T.N.Verbitskaia, V.I.Nesterenko. Kristalografiia 9 no.3:412-413 My-Je '64.

FERSMAN, ALEKSANDR EVGEN'EVICH, 1883-

On the 80th birthday of Academician Aleksandr Evgen'evich Fersman. Radiokhimiia 6 no.1:3-4 '64.

FERTILITY

Dynamics of fertility after cesarean section. I.Gergely, D.Neibauer. Akush.i gin. no.1:89-93 '63.

FERTILIZATION OF PLANTS

Helicopters in grape pollination [with summaries in English, German, and French]. G.M.Karadzhi, T.V. Razumikhina. Vest.sel'khoz.nauki 8 no.9:114-121 S '63.

[illegible]

FERTILIZER INDUSTRY—FINANCE

Upsurge of mineral fertilizer production of further increasing its profitability. Nauch dokl.vys.shkoly: ekon.nauki 7

FERTILIZER INDUSTRY—LABOR PROD

subdivision under Dneprodzerzhinsk

FERTILIZER SPREADERS

The AU-4 attachment to potato planters Zemledelie 26 no.5:95 My '64.

Adjusting a manure spreader A Mo v sel'khoz 24 no 5 47 51 My '64

Fertilizers should be placed in hills A others Tekh v sel'khoz. 24 no

Machinery for the fertilization of fields, nov. Tekh.v sel'khoz. 24 no.

Machines for the placement of fertilizer S.Polonetskii, N Orekhov Tekh v sel' 80-83 My '64

The RU-4, 0 fertilizer spreader M Tekh v sel'khoz 24 no 5 11 15 My '6

Reequipment of the KRN-4, cultivator for fertilization of winter crops. 24 no. 5 24-25 My '64

FERTILIZERS AND MANURES

(see also subdivision under Altai Terrii Siberia, Eastern)

Answers to readers' letters. I.V.Mo I.P.Mamchenkova. Zemledelie 26 no. '64.

Change in the group composition of the particles under the effect of plants and A.A.Shaimukhametova. Dokl.TSKHA '63

Collection of graduate student studies on fertilizers and soil science, a book Ploshkov, N.N.Podiiapol'. Vest. 9 no.2:147-148 F '64.

Dream that has come true; D.I.Mendeleev management of agriculture. A.A. 53 no.6:107-111 '64.

Increasing mineral resources for agricul Sov geol. 7 no.1 III-VI Ja '64.

Let's skillfully utilize technology I Ka no.5 46-49 My '64.

Main trends of the technical policies in the of the production and use of mineral ferti Skripnik. Khim.prom.[Ukr.] no.4

New types of mixed fertilizers containing A.D.Khomenko, P.F.Zhabitskii, V.O. Khim.prom.[Ukr.] no.4:8-10 O-D '6

Pannikov, V.D. [Soils, fertilizers, and c udobreniia i urozhai. Moskva, Izd-vo "K 335 p.

(DNAL)

Session of the All-Union Academy of Agric Sciences. Zemledelie 26 no.5:41-45 M

Some data on the comparative effectivenes phoskas," liquid compound fertilizers, a mixtures of simple farm manures. A.V. Dokl.TSKHA no 84:203-212 '63

Use fertilizers skillfully. M.A.Ol'shanski gila no.2:161-169 Mr-Ap '64

FERTILIZERS AND MANURES—HANDLING

(see also subdivision under Tula Province

Crusher for mineral fertilizers V.Ps Tekh v sel'khoz 24 no.5 88-89 My '64

FERTILIZERS AND MANURES—PRICES

Ways to improve the method of price deter mineral fertilizers. A.Nikolashkin. Vop no.5:64-74 My '64.

FERTILIZERS AND MANURES—TRANSPOR

Accelerated delivery of mineral fertilizers. Vizel'man, E.IA.Rider. Zhel.dor.transp 74-77 Ap '64.

FEUDALISM

A symposium on the problem of the genesis G.F.Beliakov, N.F.Kolesnitskii. Vop is 163-167 Je '64.

FEUILLETONS

Theories of the Soviet satiric feuilleton in the 1920's. A.N.Starkov. Izv.AN SSSR.S 22 no.6:478-487 N-D '63.

FIBERBOARD

(see also subdivision under Archangel)

Characteristics of fiberboard prepared by dry molding. N.IA.Solechnik, G.I.Tsare Shishkina. Der.prom. 13 no.6:6-7 Je

Sawing hard fiberboard with circular saws. Tufanov. Der.prom. 13 no.6:13-14 Je

Selecting pressure fluid for hydraulic press manufacture of fiberboard. V.G.Evdokim prom. 13 no.6:24-25 Je '64.

Kutlov, P. P., A. I. Kostyas, and I. D. Lainberg. [Motor boats and launches made of plastics] [illegible] plastmass. Leningrad, Izd-vo "Sudostroenie," 1964. 203 p.

[illegible] "Tallin" [illegible] no. [illegible] '64.

FIBERGLASS BOATS—TESTING

[illegible]

FIBRINOLYSIS

[illegible]

FIBROBLASTS

[illegible]

[illegible]

FIBULA

[illegible]

FICTITIOUS NAMES see Anonyms and pseudonyms

FIELD CROPS

(see also subdivision under Kagarlyk region, Kiev Province; Kostroma Province; Saratov Province; Ukraine)

Bulova, V. I. [Growing of early ripening types] [illegible] Moskva, Izd-vo "[illegible]," 1964. 44 p. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FIELD CROPS—DISEASES AND PESTS

[illegible]

[illegible]

[illegible]

FIELD CROPS—FERTILIZERS AND MANURES

[illegible]

[illegible]

FIELD CROPS—IRRIGATION see subdivision under Kazakhstan

FIELD EXPERIMENTS

[illegible]

FIELD MICE see subdivision under Kabardino-Balkar A.S.S.R.

FIELD MICE—BIOLOGICAL CONTROL

[illegible]

FIELD MICE—EXTERMINATION see subdivision under Virgin Territory

FIELDS, ALGEBRAIC

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

no. [illegible] '64.

FILES AND RASPS—STANDARDS

[Cutting tools; files, needle files, hacksaw blades] Rezhushchii instrument, napil'niki, nadfili, nozhovochnye polotna. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 50 p. (USSR. Gosudarstvennye standarty)

FILIPPICHAY VALLEY—AFFORESTATION

[illegible] control by afforestation in the Filippichay Valley. [illegible] M. Mustafaev. Izv. AN Azerb. SSR. [illegible] no. [illegible] '64.

FILIPPICHAY VALLEY—EROSION

[illegible] control by afforestation in the Filippichay Valley. [illegible] Mustafaev. Izv. AN Azerb. SSR. [illegible] no. [illegible]

FILLERS (CHEMICAL TECHNOLOGY)

[illegible]

FILMSTRIPS

[illegible] M. P. Zamenskii. [illegible] no. [illegible] '64.

[illegible]

FILTER PRESSES—CLEANING

[illegible]

FILTERS AND FILTRATION

Calculation of [illegible] flow toward drains under complex [illegible] filters. A. V. Romanov, V. I. Aleksandrov, I. D. [illegible] Vop. [illegible] nauch. gidr. [illegible] 401-407 '64.

Filtration calculation of [illegible] A. V. Romanov, V. I. Aleksandrov. Vop. filtr. rasch. gidr. [illegible]

[illegible]

[illegible]

Laboratory testing of gravel filters [illegible] V. M. [illegible] Vop. filtr. rasch. gidr. [illegible] '64.

[illegible] filtration units for [illegible] no. [illegible] '64.

Shegres, V. P. [Safety manual for workers engaged in the installation and repair of electric filters] Pamiatka po tekhnike bezopasnosti dlia rabochikh po obsluzhivaniiu i remontu elektrofil'trov. Moskva, Stroiizdat, 1964. 33 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

[illegible] filters. [illegible] Vartanov, G. V. Churanov. [illegible] '63.

[illegible] V. I. [illegible] no. [illegible]

FILTERS AND FILTRATION—CORROSION

[illegible] filters for the petroleum, [illegible] gas industries. [illegible] Shibriaev. [illegible] '64.

FINANCE

(see also subdivision under Europe, Eastern; Georgia; [illegible] District, Poltava)

[illegible] letters. A review of [illegible] received by the editor. [illegible] My '64.

[illegible] and personnel. N. Bataikov. [illegible] My '64.

[illegible] in every way. [illegible] My '64.

[illegible] standards and increasing [illegible] '64.

[illegible] to the construction of [illegible] enterprises. [illegible] Fin. SSSR [illegible] My '64.

[illegible] of the Ministry of Finance and the [illegible] Central Committee of the Trade Union [illegible] Fin. SSSR [illegible] My '64.

In the Research Institute of Finance. IU. Artemov. [illegible] Je '64.

[illegible] '64.

[illegible] Makarov. Fin. SSSR [illegible] My '64.

[illegible] My '64.

FINANCE—PERIODICALS

Conference of the readers of "Finansy SSSR" journal in Novosibirsk. Fin. SSSR [illegible] My '64.

FINANCE—STUDY AND TEACHING

Content and structure of a course in "Finances and credit of the U.S.S.R." M. Zolotarev. Nauch. dokl. vys. shkoly; ekon. nauki 7 no. [illegible] '64.

Studying finance in the institutions of higher learning. Fin. SSSR [illegible] My '64.

FINANCIAL EMPLOYEES—CONGRESSES

The Second Plenum of the Central Committee of the Trade Union of Government Employees. Fin. SSSR [illegible] My '64.

FINANCIAL RESEARCH

In the Research Institute of Finance. Fin. SSSR [illegible] My '64.

FINANCIAL STATEMENTS

Veitsman, N. R. [Balance sheet of an enterprise and its [illegible]] Balans predpriiatiia i obshchestvennost'. Moskva, Izd-vo "Finansy," 1964. 32 p.

FINCHES see subdivision under Tuva A.S.S.R.

FINIKOV, SERGEI PAVLOVICH, 1883-1964

Sergei Pavlovich Finikov; obituary. A. M. Vasil'ev, [illegible] Laptev. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. [illegible] My-Je '64.

FINLAND—AGRICULTURE

Agriculture in Finland. I. [illegible] no. [illegible] My '64.

FINLAND—CENSUS

The census of population in Finland. [illegible] Vest. stat. no. [illegible] '64.

FINLAND—FOREIGN RELATIONS—RUSSIA

[illegible] My '64.

FINLAND—LABOR AND LABORING CLASSES

From the history of the struggle of the Finnish working class against fascism. [illegible] Vop. ist. 39 no. [illegible] Je '64.

FINLAND—POLITICS AND GOVERNMENT

[illegible] My '64.

FIR

Ascorbic acid content of needles of prickly pine and fir [illegible] during the fall and winter period. I. V. Arashidze, Zh. L. Pokrashenskaia. [illegible] no. [illegible] '64.

FIRE CONTROL (GUNNERY)

Check your solution; answer to the problem published [illegible] Voen. vest. 44 no. [illegible] Je '64.

Creation of a fictitious checkpoint. [illegible] Voen. vest. 44 no. [illegible] Je '64.

Fire control of units in an attack. N. Kaluev. Voen. vest. 44 no. 5:104-108 My '64.

Fire control of units in the defensive. O. Vagner. Voen. vest. 44 no. 6:[illegible] Je '64.

Fire control system. Tekh. i vooruzh. no. [illegible] Je '6[illegible]

Prepare the unplanned fire more rapidly. V. Zaitsev, I. Zlenko. Voen. vest. 44 no. [illegible] Je '64.

Training in fire control. N. Rybinkin. Voen. vest. 44 no. [illegible] Je '64.

With the help of an electronic computer. V. Rotkov. Voen. vest. 44 no. 5:[illegible] My '64

FIRE CONTROL (GUNNERY)—OPTICAL EQUIPMENT

Optical devices. [illegible] Voen. znan. 40 no. [illegible] Ap '64.

FIREARMS—MAINTENANCE AND REPAIR

Greases protect weapons. V. Poddubnyi. Tekh. i vooruzh. no. 1:82 Ja '64.

FIREARMS INDUSTRY—HYGIENIC ASPECTS see subdivision under Izhevsk

FIRST AID IN ILLNESS AND INJURY

Germanov, A. I. [Emergency therapeutic aid; a handbook] Neotlozhnaia terapevticheskaia pomoshch'; spravochnik. 3., perer. i dop. izd. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 318 p.
(DNLM)

Organization of emergency surgical service for the rural population. L. I. Bashev. Sov. med. 27 no. 10:102-10[illegible] O '63.

FISH, CANNED—STANDARDS

[Canned and preserved fish] Konservy i preservy rybny[illegible] Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 307 p. (USSR. Gosudarstvennye standarty)

Ryb. khoz. 40 no. 1 84 '64.

Salt determination in fish by its specific weight. P. A. Mironov, A. D. Kuzetsova, [illegible] I. Ifimova. Ryb. khoz. 40 no. 1 74-79 '64.

FISH, SALT—STANDARDS
[Canned and preserved fish] Konservy i preservy rybnye Izd ofitsial'noe. Moskva, Izd-vo standartov, 1964 307 p. (SSSR. Gosudarstvennye standarty)

FISH AS FOOD
On several omissions in a good textbook V Dmitriev Sov torg 37 no 1 46-47 Ja '64.

FISH CULTURE
(see also subdivision under Aral Sea; Czechoslovakia, Murmansk Province)
Further development of pond fish culture in the U S.S R. Ryb. kho . 40 no. 1 6-9 '64.

FISH PROCESSING PLANTS
(see also subdivision under Georgia)
Low-quality posters. N I. Teruni. Ryb. khoz. 40 no. 1 92-93 '64.

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES
Magnetic conveyer for empty tin cans. I. G. Shif Ryb. khoz. 40 no. 1 80-83 '64
A new mechanized line for barrel salting of anchovies. Kh. G. Khristoforidi. Ryb. khoz. 40 no. 1 70-73 '64.

FISHERIES
(see also subdivision under Barents Sea, Bering Sea; Black Sea; Greenland Sea; Kuban, Murmansk Coast)
Efficient use of fishery resources. F. I Baranov. Ryb. khoz. 40 no. 1.90-92 '64.
The 50th anniversary of fishery education in the U S. S. R. Ryb. khoz. 40 no. 1 18-20 '64
Increase the catches of fish. Ryb khoz. 40 no 1 3-5 '64.
Some data on 1962 fisheries in a series of capitalist countries. A. B. Kuz'michev. Ryb. khoz. 40 no. 1 85 '64

FISHERIES—BIBLIOGRAPHY see Bibliography—Fisheries

FISHERIES—CONGRESSES
From speeches given at the conference on the performance of model fishing vessels. Ryb. khoz. 40 no. 1:10-17 '64.

FISHERIES—RESEARCH see subdivision under White Sea

FISHERIES—WAGES
Consultations. Ryb. khoz 40 no. 1.86-90 '64.

FISHERMEN
Organization of labor in a completely mechanized beach seining. N. I. Teruni. Ryb. khoz. 40 no. 1:64-69 '64.

FISHES
(see also subdivision under Adriatic Sea, Azov, Sea of; Black Sea; Tiflis Reservoir)
Determination of the degree of relationship in fishes by the method of precipitation on agar [with summary in English] N. S. Stroganov, E. S. Ievleva. Zool zhur. 43 no. 2 214-219 '64.
On several omissions in a good textbook V. Dmitriev. Sov torg. 37 no 1 46-47 Ja '64.

FISHES—ANATOMY
Location of the highest point of the body in fish. IU. G. Aleev. Trudy SBS 16 369-374 '63.

FISHES—BEHAVIOR
Buoyancy of fishes. IU. G. Aleev. Trudy SBS 16.375-382 '63.

FISHES—EGGS
Changes in the size of eggs of the anchovy (Engraulis encrasicholus ponticus Alex.) during the spawning season T. V. Lugovaia. Trudy SBS 16:364-368 '63.
Form and size of eggs of the anchovy Engraulis encrasicholus L. in various regions of the habitat. T. V. Lugovaia. Trudy SBS 16.359-363 '63.
A method to determine the maturity of gonads in female sturgeons. V. Z. Trusov. Ryb. khoz. 40 no. 1.26-28 '64

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD
(see also subdivision under Adriatic Sea; Azov, Sea of; Black Sea; Georgia; Khrami Reservoir; Mediterranean Sea; Tiflis Reservoir; Tiligulo Estuary)
Comparative characteristics of the feeding habits of Spicara smaris (L.) in the Mediterranean, Adriatic and Black Seas. N. IA. Lipskaia. Trudy SBS 16 306-322 '63.
Evaluation of feeds for fishes by their amino acid composition M A. Shcherbina, K F Sorvachev, F. M. Sukhoverkhov Vest Mosk un Ser 6 Biol., pochv 17 no 6 20-25 N-D '62.

velopment. V. I Siniukova. Trudy SBS 16 282-291 '63.
Prevention of lipoid liver degeneration of the rainbow trout by adding phosphatides to its diet. T I. Privol'nev and others. Dokl. AN SSSR 156 no. 5 1241-1243 Je '64

FISHES—MIGRATION see subdivision under Black Sea region

FISHES—PARASITES see Parasites—Fishes

FISHES—PHYSIOLOGY
(see also subdivision under Azov, Sea of; Black Sea)
Review of N. S. Stroganov's book "Ecologic physiology of fishes " Reviewed by V. A. Pegel'. Zool. zhur. 43 no. 2 303-305 '64.

FISHES, DEEP-SEA—PHYSIOLOGY
Changes in the size of the eyes and coloration of the body in facultative deep-sea fishes. T. S. Rass. Trudy Inst okean 73.3-10 '61

FISHING
Brief notes on books. Priroda 53 no. 6 28, 64, 86, 111, 128 '64.
Semenov, M. G [A year of fishing] God rybolova. Moskva, "Sovetskaia Rossiia," 1964. 132 p.

FISHING—EQUIPMENT AND SUPPLIES
Determination of the hydrodynamic characteristics of the wire cable in use. N. I. Alekseev. Ryb. khoz. 40 no. 1. 56-58 '64.
Organization of labor in a completely mechanized beach seining. N. I. Teruni. Ryb. khoz. 40 no. 1:64-69 '64.
Purse seining on the SRTR-100 "Rubtsovsk." IU. Moskalitsov. Ryb. khoz. 40 no. 1:59-63 '64.
Solov'ev, T. T. [Pond fishing] Vylov ryby iz prudov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 131 p

FISHING BOATS
Drapatskii, M. IA., and G. S. Tret'iakov. Seiner "Chuguev." Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 23 p. (Peredoviki rybnoi promyshlennosti)
Remarks on the method of unloading ships in the open sea without moorings. S. M. Rudnitskii. Ryb. khoz. 40 no. 1:39-41 '64.
Use of distilling and boiler equipment on a BMRT-type boat (large freezer trawler). N. I. Khomenko. Ryb. khoz. 40 no. 1 42-46 '64.

FISHING BOATS—MAINTENANCE AND REPAIR
Ivchenko, V. V., and A. P. Slesarev. [Work organization in enterprises for ship maintenance between voyages] Organizatsiia raboty predpriiatii mezhreisovogo remonta flota. Moskva, Rybnoe khoziaistvo, 1963. 53 p. (Sudostroenie i sudoremont)

FISHING NETS
(see also subdivision under Azov, Sea of)
Consultations. Ryb. khoz. 40 no. 1:86-90 '64.

FISHPONDS
Solov'ev, T. T. [Pond fishing] Vylov ryby iz prudov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 131 p

FISSION PRODUCTS
Isolation of radioactive carrier-free cerium from a mixture of fission products. N. E. Brezhneva and others. Radiokhimiia 6 no. 1 66-72 '64.

FISTULA, BRONCHIAL
Single-stage operation performed on a child for a broncho-diverticulo-esophageal fistula and pulmonary cirrhosis with bronchiectasis I M Slepukha, R M. Mak. Khirurgiia 38 no 12 98-101 D '62.

FISTULA, ESOPHAGEAL—SURGERY
Single-stage operation performed on a child for a broncho-diverticulo-esophageal fistula and pulmonary cirrhosis with bronchiectasis I M. Slepukha, R M Mak Khirurgiia 38 no. 12 98-101 D '62.

FISTULA, GASTRIC
Surgical treatment of fistulas of the stomach, small intestine and colon. G. F. Seleznev, E. IA. Dubrov. Sov. med. 27 no. 10 36-41 O '63.

FISTULA, INTESTINAL
Surgical treatment of fistulas of the stomach, small intestine and colon. G. F. Seleznev, E. IA. Dubrov. Sov. med. 27 no. 10:36-41 O '63.

FISTULA, PANCREATIC
Pancreatic fistula following biopsy of the pancreas. V. I. Puzhailo. Khirurgiia 39 no. 8 119-122 Ag '63.

FISTULA, URINARY
Boary's operation in ureterovaginal fistulas. V. F. Khomenko. Akush. i gin. no. 1:130-131 '63.

Khomenko. Akush. i gin. no 1 130-131 '63

FLAGS
Vestermanis, Margers. [Red flame of the wo
Pasaules ceribu sarkana liesma. Riga, Lat
izd-ba, 1964. 64 p. [In Latvian]

FLAME
Critical rates of a break-away flame of [illegible] mixtures. A. M. Zeltzyi. Dokl. [illegible]
'64.
Radiation of a luminous sooty flame. A. [illegible] ploenergetika 11 no. 4 [illegible] Ap '64.
Relaxation interaction of shock waves with a fl
V. I. Skobelkin. Zhur. tekh. fiz. [illegible]
'62.

FLAX
(see also subdivision under Kalinin Province
New consumers' fabrics made from a blend of
lavsan. M G. Zubova. [illegible]
[illegible] '62.
Russia (1923- U. S. S. R.) Ministerstvo sel'
khoziaistva. Upravlenie nauki, propagandy i
niia peredovogo opyta. [Recommendations fo
flax growing on the collective and state farm
U. S. S. R.] Rekomendatsii po vozdelyvaniiu l
ia v kolkhozakh i sovkhozakh SSSR. Moskva
"Kolos," 1964. 46 p.
(DNAL)

FLAX—FERTILIZERS AND MANURES see sub
under White Russia

FLAX PROCESSING MACHINERY
Modernization of the MT-[illegible]
and development of a layer forming [illegible]
Makeev V V. Andreev, [illegible]
trudy [illegible]

FLEA BEETLES see subdivision under Kabard
A. S. S. R.

FLEAS
(see also subdivision under Stavropol Territo
Comparative ecology of bird fleas of the [illegible]
phyllus [illegible] N. [illegible] Mat k
fauny i flory SSSR, Otd zool. no. [illegible]

FLEAS—FOOD
Feeding habits of [illegible]
some other fleas. [illegible] Mat k
flory SSSR, Otd zool. no. [illegible]

FLEAS AS CARRIERS OF DISEASE
Fate of bacterial cultures in the organism of f
V. [illegible] Tiflov Mat. k pozn. fauny i flory [illegible]
no 39:101-109 '64.
New flea conserving liquid for plague tests [illegible]
report. V. [illegible] Tiflov, N. [illegible] Mat k po
flory SSSR, Otd. zool. no. 39;[illegible]

FLESH FLIES
(see also subdivision under Kwangtung Provi
Turkmenistan)
Biology and distribution of some species of the
subfamily Sarcophaginae (Diptera, [illegible]
U. S. S. R. K. IA. Grunin [illegible]

FLEXURE
Determining flexures due to bending of [illegible]
crete made without prestressing. [illegible]
Stroi. i arkhit. Len. 20 no [illegible]

FLIES see subdivision under Ivanovo; Leningrad
ince

FLIGHT
Studying a bird's wing. V. IAkhnt. [illegible]
18-19 '64.
Territorial relations of sandpipers [illegible]
Ornitologiia no [illegible]

FLOATING CRANES
New seagoing, self-propelled, [illegible]
vessel. N. Zheltov. Mor. flot [illegible]
'64.

FLOATING DOCKS
Mashchenko, V. P. [A 60 days' effort] 60 dnei [illegible]
[Odessa] Odesskoe knizhnoe izd-vo, 1963 [illegible]

FLOATING DOCKS—EQUIPMENT AND SUPPLIE
Universal scaffold for the repair and fitting [illegible]
in floating docks. IU. N. Pavliuchenko [illegible]
30 no. 5:62-63 My '64.

FLOOR COVERINGS
Installing P. V. C. floors. P. G. Neverov[illegible] A
Chernyi. Stroi. i arkhit. Len. 36 no [illegible]

FLOORS
Device for determining the abrasion of materials
Gorshkovich, F. I. Mikhailov. Stroi. [illegible] 12
9-10 F '64.

FLOTATION

[illegible]

FLOTATION EQUIPMENT AND SUPPLIES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Lutokova, O.N., and A.N. Kraiko. [Calculation of plane and axisymmetric supersonic flows in the presence of irreversible processes] Raschet ploskikh i osesimmetrichnykh sverkhzvukovykh techenii pri nalichii neobratimykh protsessov. Moskva, VTs AN SSSR, 1964. 47 p. (Trudy Vychislitel'nogo tsentra)

[illegible]

FLUID MECHANICS

[illegible], V. I. [Theory of ships and the principles of hydromechanics] Teoriia korablia i osnovy gidromekhaniki. Leningrad, Izd-vo "Sudostroenie," 1964. 440 p.

[illegible]

FLUID MECHANICS—PROBLEMS, EXERCISES, ETC.

[illegible]

FLUIDIZATION

[illegible]

[illegible]

[illegible]

[illegible]

[illegible], and I. G. Vasil'eva. [Fluorescence [illegible]] [illegible] Leningrad, Medgiz, 1963. 66 p. (DNLM)

FLUORESCENT LIGHTING

[illegible]

[illegible] [Leningrad] Meditsina, 1964. 66 p. (Biblioteka [illegible])

FLUORINE COMPOUNDS

Aromatic fluorine derivatives. Part 11: Reaction of fluorobenzene [illegible] with [illegible] chloride. [illegible], V. D. Shteingarts, G. A. [illegible]. Zhur. ob. khim. 34 no.4:[illegible] Ap '64.

FLUORIMIDE—ABSORPTION SPECTRA

Infrared spectrum and the calculation of the vibrational spectrum of the molecule of chloro[illegible] [illegible]. [illegible] Medvedev, [illegible] Kuchkov. Vest. Mosk. un. [illegible] 19 no.2:[illegible] Mr-Ap '64.

FLUORINATION

Mono- and difluorophosphates. Zh. M. [illegible]. Zhur. ob. khim. 34 no.[illegible] Mr '64.

FLUORITE see subdivision under Karamazar Mountains

FLUORITE CRYSTALS—DEFECTS

[illegible] of some properties of synthetic fluorite with an admixture of [illegible] ions. I. N. [illegible], A. V. [illegible] [illegible]. Kristallografiia 9 no.[illegible] Mr-Ap '64.

FLUOROMETRY

Determination of [illegible] by fluorometry. O. K. [illegible]. [illegible] no.2:[illegible] '64.

FLUOROPLAST

[illegible]

FLUOSILICIC ACID

[illegible]

FLYING FISH

[illegible]

FLYSCH see subdivision under Karavshin Valley, [illegible] Valley

FOAM

[illegible]

FOAM RUBBER

[illegible]

FOG

[illegible]

FOK, ARKADII MIKHAILOVICH, 1904?

Professor A. M. Fok on his 60th birthday. [illegible]

FOLDS (GEOLOGY)

(see also subdivision under Daghestan, Krivoy Rog)

[illegible]

[illegible]

FOLK SONGS—HISTORY AND CRITICISM

Kamalova, [illegible] [Stories about songs; "In the middle of a level valley..."] Rasskazy o pesniakh; "Sredi doliny rovnyia..." Moskva, Muzyka, 1963. 92 p.

Rubtsov, F. A. [Fundamentals of the scale structure of Russian folk songs] Osnovy ladovogo stroeniia russkikh narodnykh pesen. Leningrad, Muzyka, 1964. 94 p.

FOLK SONGS, LITHUANIAN

Lietuvos TSR Mokslu akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Lithuanian folklore in five volumes] Lietuviu tautosaka; penki tomai. Vilnius, Leidykla "Mintis" [In Lithuanian]

Vol. 2. [Songs, lamentations] Dainos, raudos. 1964 730 p.

FOLK SONGS, POLISH

Polish songs in 18th century Russian holograph song books. A. V. Pozdneev. Rus. fol'k. 8:309-314 '63

Genre ties between the folk songs depicting the way of life of Eastern Slavs N P Kolpakova Rus. fol'k. 8 186-205 '63

Interrelations in folk song creation among the Eastern Slavs during the years of the Great Patriotic War P P. Okhrimenko. Rus fol'k. 8 229-240 '63.

Problems of folk song style in A. A Potebnia's works M IA Gol'berg. Rus. fol'k 8 336-356 '63

FOLKLORE

Reflection of Russian folklore in A Mickiewicz's "Pan Tadeusz " Leszek Kukulski Rus. fol'k, 8 75-80 '63

FOLKLORE, SLAVIC

A N Pypin, an investigator of the folklore of the Slavs outside of Russia, M IA Mel'ts, Rus. fol'k 8 357-372 '63.

Answers to questions for the scholarly questionnaire sent out on the occasion of the Fifth International Congress of Slavists. A M. Astakhova and others Rus. fol'k 8 381-398 '63.

I.I Sreznevskii as folklorist, 1840 to the 1850's. I. M. Kolesnitskaia Rus fol'k 8 296-328 '63

New trends in the folklore of the Eastern Slavs. A. D. Soimonov. Rus fol'k 8 241-272 '63

FOLKLORE, SLAVIC—BIBLIOGRAPHY see Bibliography—Folklore, Slavic

FOLKLORE, WENDIC

I.I Sreznevskii and the Wendic folklore Paul Nedo. Rus fol'k. 8 288-295 '63.

FOLKLORE STUDIES

(see also subdivision under Bulgaria)

Russian contacts of a Czech folklorist K.I Rovda. Rus fol'k 8 329-335 '63.

FOMIN, IGOR' IVANOVICH, 1904-

Architect's anniversary I. I. Fomin's 60th birthday. IA O Svirskii. Stroi i arkhit Len. 26 no 3 35 Mr '64

FOOD—TRANSPORTATION see subdivision under Ural Mountain region

FOOD, CONCENTRATED

Vortex drying of groats in the production of food concentrates. M.A.Grishin, V.K.Kossek. Kons.i ov.prom. 19 no 4:12-14 Ap '64

FOOD, ENRICHED

Golant, B. IA [Enrichment of food products with proteins of vegetable origin with a high content of amino acids] Obogashchenie pishchevykh produktov proteinami rastitel'nogo proiskhozhdeniia s vysokim soderzhaniem nezamenimykh aminokislot. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 96 p.

FOOD INDUSTRY

In the Committee on the Economics and Organization of Production P K Popov Sakh. prom 38 no. 4 74 Ap '64

Vacuum techniques in modern food industry. Kons.i ov. prom. 19 no.4:33-34 Ap '64.

FOOD INDUSTRY—ABSTRACTS

Annotations of books published from 1962 to 1963. A.I. IArtseva. Kons.i ov.prom. 19 no.4:38-40 Ap '64.

FOOD INDUSTRY—PRICES

On the review of the wholesale prices for food and light industry products G Kabko Fin SSSR 38 no. 5.20-22 My '64

FOOD MACHINERY

Genel', S.V., N.IA. Kestel'man, and V.N. Kestel'man. [Polymeric materials in food machinery manufacture] Polimernye materialy v pishchevom mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 382 p.

FOOD MACHINERY—DESIGN AND CONSTRUCTION

"Fundamentals for the design and calculation of the parts and subassemblies of food machinery" by V. I Sokolov. Reviewed by K I Paziruk, G M. Perzner. Sakh. prom. 38 no 4.72-73 Ap '64

FOOD MACHINERY—MAINTENANCE AND REPAIR

Application of an abrasive layer to the working surfaces of machinery. E.A. Abel'. Kons.i ov.prom. 19 no.4:23 Ap '64.

FOOD POISONING

Case of Salmonella breslau infection caused by eating chicken. V.E. Shneiderman. Zhur. mikrobiol., epid. i immun. 40 no.6:127 Je '63.

Water- and food-borne outbreaks of typhoid and paratyphoid fevers, review of foreign literature for the past 15 years. IU. P. Solodovnikov. Zhur. mikrobiol., epid. i immun. 40 no. 10:142-146 O '63.

FOOD RESEARCH

Third Congress of the Scientific and Technical Society of the Food Industry. N. A. Il'inskii. Khleb. i kond. prom. 7 no. 12,37-38 D '63.

Determining the coefficient of the bearing stiffness of the rear part of the sole. V. N. TSvetkov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2.106-108 '64.

FOOT—DISEASES

A case of melorheostosis of the bones of the foot. L. G. Bartel'. Vest. rent. i rad. 38 no. 6:61 N-D '63.

FORAGE PLANTS

(see also subdivision under Sweden, Trans-Ili Alatau)

Galega orientalis in sandy-loam soils N P Kubrakov Zemledelie 26 no 2 68 F '64

Improving the field germination of forage crop seeds. A.I. Tiutiunnikov. Zemledelie 26 no. 5:67-69 My '64.

New silage plants and the prospects of their introduction into agricultural practice. V.S. Sokolov, P F. Medvedev. Biul. Glav. bot. sada no. 53:95-99 '64.

FORAMINIFERA, FOSSIL

(see also subdivision under Don Valley; Indian Ocean; Pacific Ocean)

Paleocene of the Kuban-Azov Lowland, the Karpinsk swell, and the southern slope of the Voronezh anteclise. IU P. Nikitina, IU. N. Shvemberger. Trudy VNIGNI no. 38:105-147 '63.

FORCE AND ENERGY

Veselovskii, V. N. [Philosophical significance of the conservation of matter and motion] Filosofskoe znachenie zakonov sokhraneniia materii i dvizheniia. Moskva, "Mysl'," 1964. 142 p.

FOREARM

Functional characteristics of the anatomical structure of the forearm muscles in some species of Sciuridae [with summary in English]. E. S. IAkovleva. Arkh. anat., gist. i embr. 44 no. 5:117-127 My '63.

FOREIGN BODIES (SURGERY)

Skin cancer following removal of a foreign body under roentgenological control. V. I. Ivanov. Vop. onk 8 no. 11 102-105 '62.

FOREIGN ECONOMIC RELATIONS see International economic relations

FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. Den. i kred. 22 no. 5,89-92 My '64

FOREMEN

(see also subdivision under Kirovograd Province)

Work organizer in a section. V. Poliakov. Sots. trud 9 no. 6:126-128 My '64.

FOREST ECOLOGY

(see also subdivision under Bessarabia; Crimea; Kama Valley; Russia, Southern; Ukraine; Volga Valley)

Types and associations of spruce forests in the northeastern part of the White Russian S.S.R. D.S. Holad. Vestsi AN BSSR. Ser. biial. nav. no. 1:22-32 '64.

FOREST INFLUENCES

Effect of the composition of forest belts on crop yields. N. M Miloserdov Vest. sel'khoz nauki 9 no. 4:30-44 Ap '64

FOREST INSECTS see subdivision under Moldavia

FOREST NURSERIES—EQUIPMENT AND SUPPLIES

Blower-type sprayer in young nurseries. A. S. Degtiareva, IA. A. Meisakhovich. Zashch. rast. ot vred. i bol. 8 no. 10:29-30 O '63.

FOREST RESERVES see subdivision under Crimea

FOREST SOILS see subdivision under Azerbaijan; Caucasus; Kaluga Province; Shusha region (Nagorno-Karabakh Autonomous Province)

FORESTRY RESEARCH

In the Department of Forestry and Silvicultural and Land Improvement. Vest sel'khoz. nauki 9 no. 4:140-142 Ap '64.

Scientific views of G. I. Tanfil'ev and some problems of the steppe forestry research. A. L. Bel'gard. Trudy Od. un. 152, Ser. geol. i geog. nauk no. 9:78-88 '62.

FORESTS AND FORESTRY

(see also subdivision under Azerbaijan; Chita Province; Dnieper Valley; Russia, Northern; Southern Bug Valley)

[Forestry and forest management] Ref. zhur.: Lesoved. i lesovod. no. 7 Jl '64.

FORESTS AND FORESTRY—ECONOMIC ASPECTS see subdivision under Estonia

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Babushkin, I. N. [Technology of the repair of lumbering and forestry machines] Tekhnologiia remonta lesozagotovitel'nykh i lesokhoziaistvennykh mashin. Moskva, Goslesbumizdat, 1963. 382 p.

[illegible] storage-battery stacker. M. Biul. tekh.-ekon. inform. Gos. nauch.-issl tekh. inform. 17 no. 2:67-68 '64.

FORMALDEHYDE

Iodochlorometric method for quantitative de of formaldehyde and acetone and a new qu action for lavusan. P. P. Suprun. Farma 17 no. 6 37-40 '62.

Mechanism of detoxication of the Clostridiu toxin. M. V. Ispolatovskaia, I. A. Lar chava. Zhur. mikrobiol., epid. i immun. 110-115 O '63.

Reactions of condensation of extractive phe formaldehyde. V. V. Romaniv. Dokl. LPI 96-99 '63.

Tissue culture vaccines against tick-borne Report No. 1 Selection of tissue systems of virus inactivation by means of formalin Levkovich, G. D. Zasukhina. Vop. med. v 33-36 '59.

FORMAMIDE

Some physicochemical properties of the sys mide - acetone. M. G. Blank. Dokl. LPI 114-119 '63

Thermal effects of the mixing in the system acetone. M. G. Blank. Dokl. LPI no. 1 '63.

FORMAMIDE—ACOUSTIC PROPERTIES

Sound velocity and the compressibility of sol salts of inorganic acids in formamide. I. G M. V. Rozina, V. A. Shutilov. Akust. zhur. 213-217 '64.

FORMIC ACID

Effect of the conditions of cultivation on the utilization of formic acid by Escheric V. N. Shaposhnikov, Zh. K. Lorkin Dokl. A no. 5:1201-1203 Je '64.

FOSTER, GEORG, 1754-1794

A fervent German democrat. Klaus Berger. novoish. ist. no. 2:102-104 '64.

FOUNDATIONS

Calculation of a beam lying on a yielding fou during the presence of a fixed dependence b pressures and settling. A. A. Sladkopevtsev vys. ucheb. zav., stroi. i arkhit 6 no. 7 3

Determining vertical movements of an elasti of finite thickness and ascertaining the con at the base of a rigid installation. V. I. Ti Lab. gidr. sooruzh. VODGEO no. 4 99-123

Moscow. Nauchno-issledovatel'skii institut o i podzemnykh sooruzhenii. [Manual on desi foundations of buildings and structures] Po proektirovaniiu osnovanii zdanii i sooruzhen Izd-vo lit-ry po stroit., 1964. 102 p.

Precast and monolithic foundations for smoke E. D. Mil'ner. Prom. stroi. 41 no. 1:46-7 Ja '64.

Simvulidi, I. A. [Calculating engineering str elastic foundations] Raschet inzhenernykh k na uprugom osnovanii. [Moskva] Rosvuzizd 143 p.

Standards for the deep setting of foundations with the possibility of soil heaving during fr (according to Standards and Technical Requ 127-55). V. A. Kudriavtsev. Merzl. issl. 275 '63.

FOUNDATIONS—VIBRATION

Study of the effect of vibrated loads on the res displacement of water works constructed on N. IA. Khrustalev. Trudy Lab. gidr. sooruzh no. 4:124-152 '63.

FOUNDING

Automation of founding processes. A. Zakhar others. NTO 6 no. 3:25-26 Mr '64.

Distinguish between the reclaimable and nonr waste material. S. Gershtenkern. Bukhg. u no. 4:65-66 Ap '64.

Volynskii, A. IA. [Design of cast iron parts a suitability for founding] Konstruirovanie chu detalei i ikh liteinaia tekhnologichnost'. Mo vo "Mashinostroenie," 1964. 210 p.

FOUNDING—COSTS see subdivision under Uk

FOUNDRIES see subdivision under Moldavia

FOUNDRIES—EQUIPMENT AND SUPPLIES

Automatic continuous line for the molding, sh return of flasks. I. F. Bol'shakov. Biul. tek inform. Gos. nauch.-issl. inst. nauch. i tekh. i no. 5:23-25 My '64.

Foundry system of pressurized forms for cast plastic materials under pressure. T. D. Mo Vidgof. Nov. med. tekh. no. 5:87-107 '61.

metals] Gazy v zhidkikh metallakh. Moskva, Izd-vo "Nauka," 1964. 202 p.

FOUR-FOOTED BUTTERFLIES see subdivision under Far East

FOURIER SERIES

Absolute convergence of Fourier series [illegible] '63.

[illegible] A. V. [illegible] Ap '64.

Complete system of absolute convergence in a weak sense. A. A. Talalian. [illegible] '64.

[illegible]

[illegible]

[illegible]

[illegible]

FOXTAIL

[illegible] of the foxtail [illegible]

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTURES, SPONTANEOUS

[illegible]

[illegible]

FRAM AREA

[illegible]

FRANCE—AGRICULTURE—ECONOMIC ASPECTS

[illegible]

FRANCE—ATOMIC WEAPONS

[illegible]

FRANCE—COMMUNIST PARTY

[illegible]

FRANCE—CONFECTIONERY—EQUIPMENT AND SUPPLIES

[illegible]

FRANCE—ECONOMIC POLICY

[illegible]

FRANCE—FLOUR MILLS

[illegible]

FRANCE—FOREIGN RELATIONS

Kolesnikov, I. A. [Foreign policy of contemporary France] Vneshniaia politika sovremennoi Frantsii. Moskva, Izd-vo "Mysl'," 1964. 343 p.

FRANCE—FOREIGN RELATIONS—MEXICO

[illegible]

FRANCE—HISTORIOGRAPHY

[illegible]

FRANCE—HISTORY

[illegible]

FRANCE—HISTORY—STUDY AND TEACHING

A session of the group studying the history of France at the Institute of History of the Academy of Sciences of the U.S.S.R. [illegible] '64.

[illegible] Cooperative [illegible] of the National Front in France analyzed. I. P. Gavrov. Nov. i noveish. ist. no.1:176-177 '64.

FRANCE—PUBLIC UTILITIES

In the capitalist countries. [illegible] '64.

FRANCE—SECOND EMPIRE, 1852-1870

Contemporary bourgeois historiography on Napoleon III and the Second Empire. IA. I. Drabkina. Nov.i noveish.ist. no.3:48-58 '64.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Days of glory, days of sorrow. [illegible] Nov. vrem. [illegible] '64.

FRANCO-GERMAN WAR, 1870-1871—CAUSES

"Bismarck, France and the claims to the Spanish throne" by J. Dittrich; "Bismarck, the Hohenzollern candidacy, and the origins of the Franco-German War of 1870" by L. D. Steefel. Both reviewed by K. B. Vinogradov. Nov.i noveish.ist. no.3:151-157 '64.

FRAUD

Kopylovskaia, M. A. [Liability for short-changing customers in measuring and weighing] Otvetstvennost' za obmerivanie i obveshivanie pokupatelei. Moskva, Izd-vo "Iuridicheskaia literatura," 1961. 56 p.

FREE THOUGHT see subdivision under Lithuania

FREEZE DRYING

Freeze drying of cooked food. IU. A. Olenev, N. N. [illegible] Khol.tekh. 41 no.2:44-47 Mr-Ap '64.

FREEZING POINTS

[illegible] of the freezing point of [illegible] V. M. [illegible] '62.

FREIGHT AND FREIGHTAGE

Comparative [illegible] of transportation and economic [illegible] of the U.S.S.R. [illegible] '64

[illegible] of a needed book. V. V. [illegible] '64.

FREIGHTERS

[illegible] "Malovasoslavets." [illegible] Sakharov [illegible] '64

FRENCH LANGUAGE—DICTIONARIES—RUSSIAN

Volovskii, V. D., N. I. Kiselev, and M. Kh. [illegible], comps. [Concise French-Russian armor dictionary] Kratkii frantsuzsko-russkii avtobronetankovyi slovar'. Moskva, Voenizdat, 1964. 429 p.

FRENCH—TESTING

[illegible] testing processes in Freon-12 by means of the [illegible] method. G. N. Danilova, V. K. [illegible], A. V. [illegible] Khol.tekh. 41 no.2:18-20 Mr-Ap '64.

FREQUENCY CHANGERS

Design of two-stage parametric frequency converters. [illegible] Radiotekhnika 19 no.2:[illegible] '64

[illegible]

FREQUENCY MULTIPLIERS

[illegible] stability of a [illegible] frequency multipliers [illegible] Radiotekhnika 19 [illegible] '64

FREQUENCY REGULATION

Filtration of a monochromatic signal by a phase frequency trim system. V. V. Shakhgil'dian, A. A. Liakhovkin. Elektrosviaz' 18 no.4:11-18 Ap '64.

FRESHWATER BIOLOGY see subdivision under Dzheyran-Batan Reservoir; Kiyas'ma Reservoir; Northern Donets-Donets Basin Canal; Ukraine

FRESHWATER BIOLOGY—CONGRESSES

Water quality and a theoretical discussion of biological processes in water supply. V. I. Zhadin. Trudy Gidrobiol. ob-va 14:8-21 '63

FRESHWATER FAUNA

(see also subdivision under Black Sea region; Khrami Reservoir; Moskva River; Uchа Canal)

Significance of canals and reservoirs of the South of the U.S.S.R. in the distribution of the representatives of the relict fauna from the Caspian Basin region. P. A. Zhuravel'. Trudy Gidrobiol. ob-va 14:263-268 '63

Species and food relationships of the animal population of filamentous green algae in stagnant bodies of water. G. IA. Kreske. Trudy Gidrobiol. ob-va 14:252-262 '63

Canal

FRETWORK—STUDY AND TEACHING

We learn fretwork and pyrography. N. Klimova. [illegible] '63

FRIC, JOSEF VACLAV, 1829-1890

The place and significance of the Czech radical democrats in the 19th century Czech historiography. A. S. Myl'nikov. Nov.i noveish.ist. no.3:37-47 '64

FRICTION

Characteristics of friction during rolling. Trudy Inst. met.i obog.AN Kazakh.SSR 7:[illegible]-111 '63.

Control system with doubling actuating organs in the presence of dry friction. L. T. Borisenok. Vest. Mosk.un. Ser. 1: Mat., mekh. 19 no.3:75-86 My-Je '64.

Crystal structure of the β-phase of the system Nb-Cr and the solubility of silicon in it. IU. B. Kuz'ma and others. Dop.AN URSR no.3:[illegible] '64.

Elastic-plastic phenomena due to friction in plastically deformed metals. A. A. Kanaev, S. IA. Veller. Dokl. AN SSSR 155 no.4:799-802 Je '64.

Methods of determining friction forces during rolling. A. A. Vlasenko. Trudy Inst.met.i obog.AN Kazakh. SSR 7:112-121 '63.

Special characteristics of plastic friction. A. A. Presnia[illegible] kov. Trudy Inst.met.i obog.AN Kazakh.SSR 7:[illegible] '63

Temperature effect on the coefficient of dry friction of tin, aluminum, copper, and iron on aluminum. A. M. Zuev. Izv.vys.ucheb.zav.; fiz. no.2:101-103 '64.

FRICTION MATERIALS

New antifriction and chemically stable materials. [illegible] V. M. [illegible] Khim.prom.[illegible] no.41 [illegible] '64.

New plastic composition for friction materials. [illegible] Khim.prom.[illegible] '64.

FRIDEV, SOLOMON PAVLOVICH, 1887-1962

Obituaries. Vest.derm.i ven. 38 no.8:[illegible] '64

FROGS—PARASITES see Parasites—Frogs

FRONTAL SINUS—TUMORS

Angiomas of the frontal sinus. G. M. Bakhtov. Vop.onk. 8 no.[illegible] '64.

FROST PROTECTION

How to protect spring crops sown in fall against winter-killing. V. A. Avaliani. Vest.sel'khoz.nauki 8 no.[illegible] 130-[illegible] '63

FROZEN GROUND

(see also subdivision under Amur Valley; Bratsk Hydroelectric Power Station; Char' region, Amur Province; Pechora Basin; Russia, Northern; Sulekhard region, Transbaikalia; Vilyuy Hydroelectric Power Station; Yenisey Range region)

Calculation of the temperature fields around underground frozen ground storage using EI-12 electrointegrators. V. G. Melamed. Merzl.issl. no.3:245-250 '63

Characteristic "freezing" shape of curves in vertical electric sounding. V. P. Dobrovol'skii. Merzl.issl. no.3:198-203 '63.

Characteristics of tectonic disturbances and their relation to the perennially frozen rocks. S. F. Khrutskii. Vest. Mosk.un. Ser. 5: Geog. 19 no.3:67-[illegible] My-Je '64

Characteristics of the structure of the geoelectric division caused by the presence of permanently frozen ground; geoelectric sections of frozen ground. V. P. Dobrovol'skii. Merzl.issl. no.3:205-250 '63

Comparative characteristics of calculation methods for the determination of the freezing depth of soils. V. M. Shugaev. Trudy [illegible] no.144:200-221 '63

Conference on Cryopedology held in the United States. N. A. Tsytovich. Vest.AN SSSR 34 no.5:110-112 My '64.

Formula for calculating the depth of the seasonal freezing of soils when the thermophysical characteristics of unfrozen and frozen soils differ. V. A. Kudriavtsev, V. G. Melamed. Merzl.issl. no.3:3-9 '63.

Granulometric and microaggregative composition of the soils of the seasonally thawing layer and their running quality. N. F. Poltev. Merzl.issl. no.3:289-306 '63.

New method for establishing permafrost belts to control glaciation by using shelters. N. N. Romanovskii. Merzl.issl. no.3:127-130 '63.

Pchelintsev, A. M. [Structure and physicomechanical properties of frozen ground] Stroenie i fiziko-mekhanicheskie svoistva merzlykh gruntov. Moskva, Izd-vo "Nauka," 1964. 259 p.

Potential seasonal freezing and thawing of rocks. V. A. Kudriavtsev. Merzl.issl. no.3:10-17 '63.

Principles of the regionalization of the area of the distribution of permanently frozen ground for purposes of electric prospecting in hydraulic engineering. V. P. Dobrovol'skii. Merzl.issl. no.3:231-235 '63

Prolonged resistance to blasting of frozen rocks. P. N. Tiutiunnik Nauch trudy Mosk inst. radioelek. i gor. elektromekh. no 47 164-180 '63

Resistance to cutting in frozen ground. N N. Goriushkin Stroi i dor mash. 9 no 5 29-31 My '64

Stages in freezing processes and the variation of moisture in seasonally frozen ground L P Pikulevich Merzl. issl no 3;158-168 '63

Standards for the deep setting of foundations in connection with the possibility of soil heaving during freezing (according to Standards and Technical Requirements 137-55). V A Kudriavtsev Merzl issl no 3;267-275 '63

Studying the depth of the freezing and thawing of rocks under natural conditions using an electric frost-depth meter. A.A Ananian Merzl issl no 3·118-126 '63.

FROZEN GROUND—ELECTRIC PROPERTIES

Grounding devices in permafrost regions. V V Gal'perin Elek sta 35 no 2 92 F '64

FROZEN GROUND—MAPS see subdivision under Vilyuy Hydroelectric Power Station region

FROZEN GROUND—THERMAL PROPERTIES see subdivision under Khal'mer-Yu region (Bolshezemelskaya Tundra), Vorkuta region

FRUIT
(see also subdivision under Tajikistan)

Use of the aromatic substances of fruit A.N Samsonova, F.I.Shubich. Kons.i ov.prom. 19 no.4;36-37 Ap '64.

FRUIT—ANATOMY

Studying the anatomical characteristics of coriander fruit. IU H Borysiuk, K.N Zarais'ka, H V Makarova Farmatsev zhur 14 no 4;50-53 '59.

FRUIT—CHEMICAL COMPOSITION see subdivision under Uzbekistan

FRUIT—DISEASES AND PESTS
(see also subdivision under Moldavia; Ukraine)

Protection of orchards from hares. V.V. Gruzdev Zashch. rast ot vred. i bol. 8 no. 10 42-44 O '63.

Use entobacterin Zashch. rast. ot vred i bol 9 no.5; 45 '64.

FRUIT—FERTILIZERS AND MANURES

The RU-4,O fertilizer spreader M Fatuev, V Moiseev Tekh v sel'khoz 24 no 5 44-45 My '64

FRUIT—STORAGE

Is there a need for forced air circulation in fruit storage rooms? P. A. Alekseev. Khol. tekh. 41 no. 2,59 Mr-Ap '64.

FRUIT, CANNED

Effect of sorbic acid on canned fruit and berries. T. P. Ovcharova. Kons. i ov. prom. 19 no.4·41 Ap '64

FRUIT CULTURE
(see also subdivision under Daghestan; Samakino region, Ul'yanovsk Province), Tula Province, Zaporozh'ye Province)

Belorusski nauchno-issledovatel'skii institut plodovodstva, ovoshchevodstva i kartofelia. [Ways of increasing the yield of fruit and berry crops] Puti povysheniia urozhainosti plodovo-iagodnykh kul'tur. Minsk, Izd-vo "Urozhai," 1963. 210 p.
(DNAL)

For the amateur fruit grower. M.I. Dement'eva and others. *Zashch. rast. ot vred. i bol.* 9 no.2;40-41 '64.

Pay attention to the protection of orchards. Zashch. rast. ot vred. i bol. 9 no.5;1-2 '64.

[Practical manual of fruit culture] Prakticheskoe sadovodstvo. [Leningrad] Lenizdat, 1963. 411 p.
(DNAL)

Soil cultivation in fruit-bearing orchards in the non-Chernozem belt. V. I. Kotov. Vest. sel'khoz. nauki 9 no. 2;77-80 F '64.

FRUIT FLIES

Early planting and the Swedish fly V. G. Golubkin. Zashch. rast. ot vred. i bol. 8 no. 10.17 O '63.

FRUIT JUICES

Accelerated photocolorimetric determination of alcohol in juices. N.Kh. Grinberg, T.A. Manuilova. Kons. i ov. prom. 19 no.4;31-33 Ap '64.

FRUIT TREES—DISEASES AND PESTS

Paterilo, G.A. [Bark diseases of fruit trees] Bolezni kory plodovykh derev'ev. Moskva, Izd-vo "Kolos," 1964. 73 p.
(DNAL)

FRUIT TREES—WATER REQUIREMENTS

Growth of the active roots of fruit trees in the soil with unavailable moisture. O. K. Afanas'ev. Vest. sel'khoz. nauki 9 no. 2;81-86 F '64.

FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

Györkei, Jenő. [Side by side with Frunze. Translated from the Hungarian] Riadom s Frunze. Moskva, Voen. izd-vo, 1963. 106 p.
(CSt-H)

How we simplify accounting. N. Kuznetsov Bukhg. uchet 21 no. 4·42-43 Ap '64.

FUEL

Arsenic content of solid fuel. A.S. TSynovnikov and others. Koks i khim. no. 4·17-20 '64.

Dependence of the burning velocity of various fuel systems on the initial temperature A D Margolin, O. I Nefedova, P F Pokhil PMTF no 3 149-153 My-Je '64

Development of the ideas of I. M. Gubkin concerning the classification of fuel minerals. V.A. Klubov. Trudy VNIGNI no. 40;157-169 '64.

Improved operation of silver traps. G. A. Trakhanov, S. A Balakhnin. Energetik 12 no. 5:19-20 My '64.

Zingitis, A. [Combustion of fuel] Kurinama sadedzinašana. Riga, Latvijas Valsts izd-ba, 1963. 214 p. [In Latvian]

FUEL PUMPS

Setting and adjusting fuel pumps. A. Babenko. Tekh. v sel'khoz. 24 no. 3;85-86 Mr '64.

FUMIGATION

Smoke means. A I. Sidorov, V. I. Kazakova, Zashch. rast. ot vred i bol. 8 no. 10 31-36 O '63

FUMIGATION—EQUIPMENT AND SUPPLIES

Indicator burner. V.N. Iliushchenko. Zashch. rast. ot vred. i bol. 9 no. 2;32 '64.

FUNCTIONAL ANALYSIS

The A-integral and generalized functions I. L Bondi Usp mat nauk 19 no 2;131-138 Mr-Ap '64.

Additive functionals of Markov processes and excessive functions M G Shur Izv AN SSSR Ser mat 28 no 1 123-146 Ja-F '64

Calculating the index of a fixed point in a vector field. P. P. Zabreiko, M. A. Krasnosel'skii. Sib. mat. zhur. 5 no. 3;509-531 My-Je '64.

Calculation of continual integrals of the functionals $\Phi\{\int_0^T \alpha_1(\tau)dx(\tau);\ldots;\int_0^T \alpha_m(\tau)dx(\tau)\}$. V. I. Ladokhin. Usp. mat. nauk 19 no. 1;155-159 Ja-F '64.

Dynamic programming methods in the theory of optimal equations. Part 1. N. N. Moiseev. Zhur. vych. mat. i mat. fiz. 4 no. 3;485-494 My-Je '64.

The functional Laplacian and parabolic equations. E. M Polishchuk Usp mat. nauk 19 no 2 155-162 Mr-Ap '64

Functionals concentrating on a surface. Fan Dyk-Tin'. Usp. mat. nauk 19 no. 1;183-186 Ja-F '64.

General form of a linear functional in H'p. V. P. Zakharuta, V I. IUdovich. Usp mat nauk 19 no. 2 139-142 Mr-Ap '64

Krein, S. G., ed. [Functional analysis] Funktsional'nyi analiz. [By] N. IA. Vilenkin i dr. Moskva, Izd-vo "Nauka," 1964. 424 p. (Spravochnaia matematicheskaia biblioteka)

Linear equations in functional Laplacians. E. M. Polishchuk Usp mat nauk 19 no 2 163-170 Mr-Ap '64

Optimization of convex functionals on the trajectories of linear systems. R. Gabasov, F. M. Kirillova. Dokl. AN SSSR 156 no. 5·1007-1010 Je '64.

Optimization of parameters in variational problems. O. O. Bolonkin. Dop. AN URSR no. 5;580-582 '64.

Order of growth of ε-entropy of spaces of real continuous functionals defined on a connected compact. A. F. Timan. Usp. mat. nauk 19 no. 1·173-177 Ja-F '64.

τ-Polynomials τ-Analytic functionals. E. V. Malkov. Dokl. AN SSSR 156 no. 5;1025-1028 Je '64.

Uniqueness of the solution to the L-problem of moments. A. L. Garkavi. Izv. AN SSSR. Ser. mat. 28 no. 3;552-570 My-Je '64

FUNCTIONAL EQUATIONS

Nonlinear functional equation in a class of functions convex on the semiaxis. A. F. Timan. Izv. AN SSSR. Ser. mat. 28 no. 3;515-526 My-Je '64.

FUNCTIONS

Convex bodies and Chebyshev's approximations of functions. I. M. IAglom. Uch. zap. MGPI no. 208·395-407 '63.

Cumulative transformation of functions. A. M. TSirlin. Trudy MIKHM 25;18-25 '63.

Estimated approximations by quadrature formulas for certain classes of functions. M. B. Akson'. Zhur. vych. mat. i mat. fiz. 4 no. 3;554-559 My-Je '64.

An extremum problem. I. A. Bakhtin. Zhur. vych. mat. i mat. fiz. 4 no. 1;120-135 Ja-F '64.

Function of the spectral shift for Sturm - Louiville operators. V. A. IAvrian. Dokl. AN Arm. SSR 38 no. 4; 193-198 '64.

Hirschman type functions and the relations between $B^r_p(E_n)$ and $L^r_p(E_n)$ spaces. P. I. Lizorkin. Mat. sbor. 63 no. 4;505-535 Ap '64.

Imbedding theorems for certain classes of abstract functions. A. Kh. Gudiev. Dokl. AN SSSR 156 no. 5. 1014-1017 Je '64.

[illegible]

Zhur. vych. mat. i mat. fiz. 4 no. 3 611-6

Quasi-Peano behavior of functions. G. P. AN SSSR 156 no. 5.1011-1013 Je '64.

FUNCTIONS, ANALYTIC

A class of functions analytic in multiply c M. M. Dragilev. Usp. mat. nauk 19 no. 1 '64.

A criterion of completeness. IU. A. Kaz'mi zhur. 5 no. 3:540-550 My-Je '64.

Letter to the editor concerning N. I. Gr "Multiple boundary cycles." I. A. Leonto sbor. 64 no. 1:140-144 My '64

Some boundary properties of functions anal circle. V. S. Zakharian. Dokl. AN Arm. S 199-206 '64.

FUNCTIONS, CONTINUOUS

Asymptotic equalities for the approximation by a family of linear integral operators in of C and L_p spaces. L. G. Labsker. Dokl SSR 20 no 2 3-10 '64.

Continuation of Hermitian-positive functions Ovcharenko. Dokl. AN Arm. SSR 38 no. 5 '64.

Nonlinear functional equation in a class of f vex on the semiaxis. A. F. Timan Izv. A mat. 28 no. 3:515-526 My-Je '64

Some properties of linear superpositions of tions. A. G. Vitushkin. Dokl AN SSSR 15 1006 Je '64.

FUNCTIONS, ENTIRE

Remark on the Paley - Wiener theorem on tions of finite power. M. K. Likht. Usp. no. 1;169-171 Ja-F '64.

Some theorems on the best approximation of by integral functions of finite power. A. S. Dokl. AN Azerb. SSR 19 no. 1;3-7 '63.

FUNCTIONS, PERIODIC

Approximation of periodic functions of two va Fourier sums. V. II. Hryshyn Dop. AN UR 566-569 '64.

Best approximation of a function and Fourier coefficients V. M Kokilashvili Soob. AN 30 no. 3 265-272 Mr '63

Differentials of fractional order and best app of functions A. I Londze Soob. AN Gruz no. 3 273-280 Mr '63

Electromechanical harmonic analyzer A. T IU. N. Denisov Prib i tekh eksp 8 no. 5 '63

Order of approximation of class Z_1 functions positive polynomial operators I M Petro nauk 19 no 2 151-154 Mr-Ap '64

FUNCTIONS OF COMPLEX VARIABLES

Fuks, B. A., and B. V. Shabat. [Functions of variables and some of their applications] F plekenogo peremennogo i nekotorye ikh prilo Izd. 3. Moskva, Izd-vo "Nauka," 1964. 387 matematicheskaia biblioteka inzhenera)

Seventh All-Union Conference on the Theory of Complex Variables. M G Khaplanov Us nauk 19 no 2 231-236 Mr-Ap '64.

FUNCTIONS OF REAL VARIABLES

Properties of derivative and approximate deri numbers of finite functions. F. I. Shmidov. zhur. 5 no. 3:670-711 My-Je '64.

FUNCTIONS OF SEVERAL VARIABLES

Approximation of functions of several variable the method of least squares. S. S. Lysenko mat. i mat. fiz. 4 no. 3;517-530 My-Je '64.

FUNGI see subdivision under Amur Province

FUNGI, PATHOGENIC

Safe method for chamber disinfection of clothi taminated by *pathogenic fungi.* V. F. Frare, Stepanishcheva. Vest. derm. i ven 37 no 6 '63.

FUNGI, PHYTOPATHOGENIC
(see also subdivision under Noyemberyan Di Trans-Ili Alatau)

Fluorescent method of determining the viability T. I. Zakharova, M. IU. Stepanova. Zashch. r i bol. 9 no. 2;45-46 '64.

Fungistatic action of Azotobacter chroococcum Mar'enko. Dokl TSKhA no. 84;301-306 '63

FUNGI, PREDATORY

Predatory soil fungi against pathogenic Nema Soprunov. Zashch. rast. ot vred. i bol. 9 no. '64.

FUNGICIDES

Antifungal action of synthetic fibers containing chemical groups. L. A. Vol'f, A. V. Markovic Medvedkova. Vest. derm i ven 37 no 5 33-

[illegible] 9 no.5:31-32 '64.

[illegible]

[illegible]

[illegible]

Immediate and long-term results of the treatment of trichomoniasis [illegible]. N.N. Akhmerova. Vest. dermat. i ven. [illegible]

[illegible] Vest. dermat. i ven. [illegible]

[illegible] Vest. dermat. i ven. 37 [illegible]

[illegible]

[illegible] Vest. dermat. i ven. 37 no.1:41-44 Ja '63.

[illegible] Vest. dermat. i ven. [illegible] no.6:44-47 Je '63.

[illegible]

[illegible] Vest. dermat. i ven. 37 no.6:44-47 Je '63.

[illegible]

[illegible] Vest. dermat. i ven. 37 no.6:45-46 [illegible]

FUR

Larionov, N.D. [Fur goods] Pushno mekhovye tovary. Moskva, Izd-vo "Ekonomika," 1964. 105 p.

FUR—STANDARDS

[Fur hides and skins, spring types] Pushnoe [illegible] Moskva, Izd-vo standartov, 1964. 50 p. [illegible] (Gosudarstvennye standarty)

[Raw karakul and astrakhan skins] Karakul'-smushkovoe syr'e. [illegible] Moskva, Izd-vo standartov, 1964. 43 p. (USSR. Gosudarstvennye standarty)

FUR-BEARING ANIMALS—PARASITES see Parasites—Fur-bearing animals

FURALDEHYDE

[illegible]

Darlin, B. A. [Rectification of furfurals] Rektifikatsiia furfurola. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 112 p.

[illegible]

FURAN

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FURANACRYLIC ACID

[illegible]

FURANPROPIONIC ACID

[illegible]

[illegible] feed of natural gas. N.I.Lukin. Gaz.prom. 7 no.8:17-18 '63.

Channelless combustion furnaces of heat-resistant reinforced concrete. [illegible] Mont. i spets.rab.v stroi. 26 no.4:14-16 My '64.

Flameless panel type burner for furnaces with radiating walls. [illegible] Prom.energ. [illegible] no.6:14-16 Je '64.

Gas and fuel oil burners with increased range of regulation. [illegible] Energ. [illegible] '64.

Improvement of crossover furnaces. A.IA. Stankevskii. Prom.energ. 19 no.5:11-13 My '64.

Mechanism of the interaction of solid particles with the film of a viscous liquid during the cyclone motion of the carrying flow. V.I. Mishin, V.I. Mamontov. Teploenergetika 11 no.4:19-24 My '64.

Method for determining relations between the parameters of a revolving furnace. V.R. Zonnel'man, A.M. Kogan, V.I. Vetchinkin. Khim.prom. no.10:776-778 O '63.

Operation of [illegible] in electric power plants. [illegible]

Operation of furnaces with pneumatic and mechanical loading devices on different types of coal. [illegible] Energeticheskii biulleten' 10 no.4:11-[illegible] '63.

Russia (1923- U.S.S.R.) Glavnoe upravlenie teplotekhnicheskikh i termoizoliatsionnykh rabot. [Instructions on safety measures in the construction and repair of industrial furnaces and smokestacks] Instruktivnye ukazaniia po tekhnike bezopasnosti pri stroitel'stve i remonte promyshlennykh pechei i trub. Moskva, Stroiizdat, 1964. 120 p.

Unit of an industrial cyclone chamber with supply of the raw material through the lower section. [illegible]

Study of the aerodynamics of furnaces with [illegible] with the combustion process of [illegible] Teploenergetika 11 no.4: [illegible] Ap '64.

FURNACES—DESIGN AND CONSTRUCTION

Bel'skii, V. I., and A. V. Chernov. [Brickwork and assembly of industrial furnaces and smokestacks] Kladka i montazh promyshlennykh pechei i dymovykh trub. Moskva, Stroiizdat, 1964. 234 p.

FURNACES—MAINTENANCE AND REPAIR

Kazanskii, N.V., and L. F. Kuznetsov. [Masonry and furnace work] Kamennye i pechnye raboty. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 38 p. (Stroitel rabotam)

FURNACES, HEAT-TREATING

Bright annealing of wire in continuous shaft furnaces. [illegible] Metalloved.i term.obr.met. no.4:40-44 Ap '64.

[illegible] furnaces for annealing [illegible] My '64.

Multiple-point relay-pulse temperature control in heat-treating furnaces. S.H.[illegible] [illegible] no.4:[illegible] '64.

FURNACES, HEAT TREATING—EQUIPMENT AND SUPPLIES

Russia (1923- U.S.S.R.) Ministerstvo chernoi metal- [illegible]

[MICROFILM]

FURNACES, HEATING

Using flame furnaces for heating bore bits for forging purposes. A.G. Chistopol'kova, V.N. Zolotukhov, A.I. [illegible] Gorn. zhur. no.11:62 N '63.

FURNITURE

The CT-70 set of furniture. Der. prom. 13 no.6:3 of cover Je '64

The [illegible] sets of furniture. Der. prom. 13 no.5: 3 of cover My '64

FURNITURE—EXHIBITIONS

Results of the evaluation of the best furniture samples at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1963. A. M. Strongin. Der. prom. 13 no.5:1-3 My '64

FURNITURE INDUSTRY

(see also subdivision under Chernovtsy; Kiev; Lvov; Vitebsk)

Design of the House of Furniture in Moscow. K. Alekseenko. [illegible] 14 no.6:47-49 Je '63.

In the State Committee of the Lumber, Wood Pulp, and Woodworking Industry and Forest Management attached to the State Planning Committee of the U.S.S.R. Der. prom. 13 no.5:26 My '64

[illegible] prom. no.1:20-21 Ja-Mr '64.

Use of polymer materials in the manufacture of furni[illegible] N.M.Polikashev, N.A.Ivanov. Der.prom. 13 no. [illegible] 1-4 Je '63.

FURNITURE INDUSTRY—ACCOUNTING see subdivisi[illegible] under Alma-Ata

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIE[illegible] see subdivision under Kiev

FURNITURE INDUSTRY—STUDY AND TEACHING see subdivision under Kiev Province

FURNITURE PAINTING

Finishing furniture with aqueous emulsion styrene-butadiene paints. G.A.Kochina, I.S.Rolkhman, V. Shubalin. Der.prom. 13 no.6:21 Je '63.

FUROCOUMARIN

Deltoin a new natural furocoumarin. G.I.Nikonov. Dokl. AN SSSR 155 no.6:1210-1211 Ja '64.

FURUNCULOSIS

X-ray therapy of furuncles and carbuncles in persons working in dusty air. P.N.Krintsburg. Vest.rent.i rad. 38 no.6:65-66 N-D '63.

FUSED SALTS

Diffusion coefficients of U^{3+}, U^{4+}, and UO_2^{2+} ions in fused NaCl - KCl. O.V.Skiba, M.V.Smirnov, T.F. Khrustaleva. Trudy Inst.elektrokhim.UFAN SSSR n[illegible] 11-16 '63.

Electrolytic deposition of beryllium on copper in fuse[illegible] salts. A.I.Anfinogenov, M.V.Smirnov, N.G.Ilyush[illegible] kin. Trudy Inst.elektrokhim.UFAN SSSR no.4:47-5[illegible] '63.

Equilibrium potentials of electrodes of uranium dioxi[illegible] in NaCl - KCl melts containing uranyl chlorides. M. Smirnov, O.V.Skiba. Trudy Inst.elektrokhim.UFA[illegible] SSSR no.4:3-10 '63.

Losses of tin and lead during dissolution in the system of fused salts SnCl$_2$ - (KCl) and PbCl$_2$ - (KCl - Na[illegible] A. A. Lelotti, V. F. Kondratenko. Ukr.khim.zhur. [illegible] no.1:57-60 '64.

FUSED SALTS—ELECTRIC PROPERTIES

Cathodic processes during electrolysis of NaCl - KC[illegible] melts containing UCl_4, UCl_3, and UO_2Cl_2. M.V. Smirnov, O.V.Skiba. Trudy Inst.elektrokhim.UFA[illegible] SSSR no.4:17-28 '63.

Current efficiency in the anodic dissolution of titaniu[illegible] in chloride and mixed fluoride-chloride melts. N.[illegible] Loginov, M.V.Smirnov. Trudy Inst.elektrokhim.[illegible] SSSR no.4:29-14 '63.

Measurement of polarization in the cathodic isolation and anodic dissolution of copper in molten copper chlorides. N.A.Saltykova, A.N.Baraboshkin. Tru[illegible] Inst. elektrokhim. UFAN SSSR no.4:35-39 '63.

Structure and phase composition of beryllium coating[illegible] copper obtained by the electrolysis of fused salts. Anfinogenov and others. Trudy Inst.elektrokhim.U[illegible] SSSR no.4:55-64 '63.

Thermodynamic properties of molten zinc chloride. System $ZnCl_2$ - HCl. B.F.Markov, S.V.Volkov. Ukr.khim.zhur. 30 no.4:341-347 '64.

GAGES see Gauges

GAILIT, IAN PETROVICH, 1894-1930

Corps Commander IA.P.Gailit. K.Lazarev. Voen.[illegible] zhur. 6 no.5:125-128 My '64.

GALANTHAMINE—PHYSIOLOGICAL EFFECT

Functional and structural changes in the central ner[illegible] system under the influence of nivaline. E. N. Pop[illegible] T. M. Mokhova. Zhur.vys.nerv.deiat. 14 no.2:3[illegible] 345 Mr-Ap '64.

GALAXIES

[Birth and evolution of the galaxies and stars; the thi[illegible] discussion] Rozhdenie i evoliutsiia galaktik i zvez[illegible] beseda tret'ia. [By] V. A. Ambartsumian i dr. M[illegible] skva, Izd-vo "Znanie," 1964. 27 p. (Novoe v zhiz[illegible] nauke, tekhnike. Seriia IX: Fizika, matematika, a[illegible] nomiia, no.12)

GALEGA

Galega orientalis in sandy-loam soils. N.P. Kubrak[illegible] Zemledelie 26 no.2:68 F '64

GALL GNATS see subdivision under India; Moscow Province

GALLBLADDER—ABNORMITIES AND DEFORMITIE[illegible]

Case of torsion of the gallbladder. N.A.Sofinskii. Khirurgiia 39 no.12:111 D '63.

GALLBLADDER—DISEASES

Spontaneous ruptures of the liver. N.K.Matveev. Khirurgiia 39 no.8:67-72 Ag '63.

GALLBLADDER—MOTILITY

X-ray study of the motor function of the gallbladder in chronic colitis. T.M.Mirzaev. Trudy Inst.kraev.[illegible] eksper.med. no.3:114-118 '63.

Cholecystotomography in the diagnosis of cholelithiasis [illegible] Khirurgiia 39 no 8 65-67 Ag '63

[illegible] percutaneous intrahepatic cholangiography [illegible] Khirurgiia 38 no 12 79-83 D '62

GALLBLADDER—SURGERY

Case of a [illegible] torsion of the gallbladder V. A. [illegible] Khirurgiia 38 no 12 110-111 D '62

GALLFLIES

Parasitic gallflies of the tribe Kleidotomini (Hymenoptera, Cynipoidea, Eucoilidae) in the fauna of the U.S.S.R. V.I. Belizin Ent. oboz 43 no 1 185-192 '64.

GALLIUM ANTIMONIDE CRYSTALS—GROWTH

Preparation and certain properties of the heterotransitions indium antimonide - gallium antimonide. N.K. Kiseleva Kristallografiia 9 no.3,439-442 My-Je '64

GALLIUM ARSENIDES

Diffusion of cadmium and zinc in gallium arsenide from the gaseous phase L M. Kogan, S S. Meskin, A IA Goikhman. Fiz. tver. tela 6 no 4 1145-1151 Ap '64

GALLIUM ARSENIDES—SPECTRA

Mechanism underlying the recombination radiation from gallium arsenide. V S Bagaev and others Fiz. tver. tela 6 no.4 1235-1238 Ap '64

GALLIUM CRYSTALS—GROWTH

Mechanism underlying the growth of gallium crystals from the melt. G A.Alfintsev, D.E.Ovsienko. Dokl. AN SSSR 156 no.4 792-794 Je '64.

GALLIUM PHOSPHIDE—PHOTOELECTRIC PROPERTIES

Studying GaP photoconductivity by the noncontent method. G. A Kaliuzhnaia and others. Fiz. tver tela 6 no. 4. 1186-1191 Ap '64

GALLIUM PHOSPHIDE CRYSTALS

Structure of the conduction band in GaP S.A Abagian, V.K.Subashiev. Dokl.AN SSSR 156 no.4·763-765 Je '64.

GALLIUM PHOSPHIDE CRYSTALS—GROWTH

Morphology of gallium phosphide crystals grown from the gaseous phase. A V.Lishina and others. Kristallografiia 9 no.3;436-439 My-Je '64.

GALLIUM-TELLURIUM ALLOYS—THERMODYNAMICS

Thermodynamic properties of gallium tellurides studied by the electromotive force method. A.S Abbasov and others. Dokl AN SSSR 156 no.5 1140-1142 Je '64.

GAMARNIK, IAN BORISOVICH, 1894-1937

Army commissar, on the 70th anniversary of the birth of IA B Gamarnik Voen. vest 43 no 5 124 My '64

From reminiscences of IA. B. Gamarnik. I. Rachkov, Voen.-ist. zhur. 6 no.5 62-70 My '64.

GAME AND GAME BIRDS

(see also subdivision under Akgel', Lake; Leningrad Province)

Seasons for sports hunting of wild fowl in the U S.S R A M Chel'tso.-Bebutov Ornitologiia no 6 10-20 '63

GAMES, THEORY OF

Some differential games. L.S. Pontiagin. Dokl.AN SSSR 156 no.4;738-741 Je '64.

GAMMA GLOBULIN

Effectiveness of the prophylactic activity of the specific gamma globulin in the vaccine keratitis of irradiated and nonirradiated rabbits. L.A.Kamalian, Zh.TS. Vartevanian. Vop.radiobiol.[AN Arm.SSR] 3/4;53-57 '63

Ineffectiveness of the aldolase test as a method for selection of placental sera in the preparation of gamma globulin. D.E Zibitsker, M.G. Milikova. Zhur. mikrobiol., epid. i immun. 40 no.5.123-126 My '63.

GAMMA-RAY SPECTROMETER

Cherenkov spectrometer for measuring the energy of gamma quanta M N Khachaturian, V S. Pantuev Prib i tekh eksp 8 no 6 29-32 N-D '63

GAMMA-RAY SPECTROMETRY

Gamma-spectrometric method of analyzing a mixture of iodine-131 and iodine-132 radioisotopes. S.V. Belov, V.S. Anikin. Radiokhimiia 6 no 1·132-135 '64.

GAMMA RAYS

Gamma rays in wool disinfection V.I Riskhovskii Trudy AZVI 12 299-302 '61

High-energy quasi-monochromatic and polarized gamma quanta. G.R. Arutiunian, V.A. Tumanian. Usp. fiz. nauk 83 no.1.3-34 My '64.

Internal conversion coefficients for highly forbidden gamma transitions in nuclei. L.A.Borisoglebskii. Zhur. eksp. i teor. fiz. 46 no.5;1664-1676 My '64.

Radiation polymerization of hexafluoropropylene in the liquid and solid phases. E.V. Volkova, A.I. Skobina. Vysokom. soed. 6 no.5;964 My '64.

Studies in radiation polymerization. Part 3· Radiation polymerization of piperylene in the channel complexes of urea. V.S. Ivanov and others. Vysokom. soed. 6 no.5 782-786 My '64.

Complex action of vibration and ionizing radiation on vestibular and motor-defense reflexes Z.I. Apanasenko, M A.Kuznetsova Probl. kosm. biol. 3;269-277 '64.

Cytochemical examination of the glycogen of the central nervous system of frogs after gamma irradiation [with summary in English]. A. L. Shabadash, S. O Enenko, L. V. Orlova. Arkh. anat., gist i embr 44 no. 5 26-36 My '63.

Effect of ionizing radiation on the change in the sensitivity and reactivity of the vestibular analyzer. A A. Sveshnikov, A V Sevan'kaev. Probl kosm biol 3;355-365 '64

GAMMA RAYS—SCATTERING

Use of the method of gamma-quantum resonance scattering in determining the lifetime of the second excited state of nuclei. A. G. Akkerman, . IA. Vil'kovskii, V. N. Chekanov. Izv. AN Kazakh. SSR Ser. fiz.-mat. nauk no. 2,19-30 '63

GANGLIONIC BLOCKING AGENTS

Ganglionic block without hypotension. V.V Timofeev and others. Sov. med. 27 no.10 25-31 O '63.

GAR' REGION (AMUR PROVINCE)—FROZEN GROUND

Some results of the study of frozen ground in the region of the Gar' Iron Mining and Ore Dressing Combine S. N Roshet Merzl. issl no 3·160-171 '63

GARLIC—DRYING

Technology of the drying of garlic. A.N. Babuta. Kons. i ov. prom. 19 no.4;15-17 Ap '64.

GARNET

Effect of the phase composition of cement stone on its mechanical strength. V. A. Tikhonov, Z. G. Klimenko, O. A. Sirotiuk. Dokl. LPI 5 no. 1/2;156-160 '63.

Synthesis and study of aluminate, iron aluminate, and iron hydrogarnets. V A. Tikhonov, Z. G. Klimenko, A. A. Savitsyna. Dokl. LPI 5 no. 1/2,134-137 '63.

GARNET CRYSTALS—GROWTH

Hydrothermal synthesis of garnets containing V^{3+}, In^{3+}, and Sc^{3+}. B.V. Mill'. Dokl AN SSSR 156 no.4;814-816 Je '64.

GARPIKES see subdivision under Indian Ocean

GARRISONS see subdivision under Petersburg

GAS—ANALYSIS see subdivision under Stepnovskoye Gas Field

GAS—DENSITY

Measuring the density of nitrogen and hydrogen at low temperatures and high pressures by hydrostatic suspension I F. Golubev, O. A Dobrovol'skii. Gaz. prom. 9 no. 5 43-47 '64.

GAS, NATURAL

(see also subdivision under Dnieper-Donets Lowland; Great Britain; Sahara, Sakhalin; Stavropol Territory; Volga Valley)

Brief news. Gaz prom. 9 no. 5·50-53 '64.

Critical parameters for oil and oil-gas systems. T P Zhuze and others Neft khoz 41 no. 6 25-31 Je '63

Displacing gas with thinned crude. M T. Abasov and others. Nauch -tekh. sbor. po dob. nefti no 14·35-39 '61.

Distribution of hydrogen sulfide in natural gas and water under reservoir conditions A. IU. Namiot. Nauch.-tekh. sbor. po dob. nefti no. 18;76-82 '62.

Efficient development of multilayered gas fields I. S. Teplitskii. Gaz prom. 9 no. 5;8-11 '64.

Experimental investigation of burners with periphery feed of natural gas. N. I. Lukin. Gaz prom. 7 no 6;17-23 '62.

Joint burning of natural gas and high-sulfur mazut V. I. Gorin, A. L Kovalenko Elek sta 35 no 3 16-18 Mr '64

Long-term planning of the development of oil and gas production in the U S.S R., a topic for discussion M M. Brenner. Neft khoz. 41 no 6 1-8 Je '63

Piezometric minimums as a hydrogeological index of oil and gas potential. V. A. Kudriakov. Neftegaz. geol. i geofiz. no. 4.35-39 '64.

Pouring degassed liquid to combat the harmful effect of gas on the operation of a sinking centrifugal electric pump. B.I. Alibekov, L. B. Listengarten, A. M. Pirverdian. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 8;61-65 '63.

GAS, NATURAL—ANALYSIS

New system for KhL-2M chromatograph operation. N. I. Chesnokov, E. A. Glumova, G. G. Giliazov. Mash i neft. obor. no. 8;30-31 '63.

Selecting, transporting, and storing gas samples for the determination of hydrogen sulfide. P. V Mikhal'kov, V P Vostrikova Gaz prom. 7 no. 2,13-16 '62.

Solubility of gas in oil at high pressures. N. A. Trivus. Gaz prom 7 no. 6;9-13 '62.

GAS, NATURAL—BIBLIOGRAPHY see Bibliography—Gas, Natural

(see also subdivision under Apsheron Peninsu
Oil Field; Caspian Lowland; Caucasus, Northe
Daghestan; Dnieper-Donets Lowland; Georgia;
Kavtiskhevi region, Georgia; Kura Valley, Per
Province; Tajik Depression; Tatar A. S S.R.,
sian; Udmurt A. S. S. R.; Ukraine, Ustyurt, Uzb
Volga-Ural region)

Geochemical investigations of oils and gases in
of the laws of the spatial distribution of their f
T A. Botneva, S. P. Maksimov. Trudy VNIGNI
95-120 '64.

Prospecting for gas during the first five years
seven-year plan and problems of increasing
reserves N. S. Erofeev, V. G Vasilev, M. C L
Gaz. prom 9 no. 5;3-8 '64.

GAS, NATURAL—HYDRATES

Using calcium chloride solutions as antihydrat
tors B A. Khoroshilov, V. I. Semin. Gaz pro
no. 5 34-40 '64.

GAS, NATURAL—MEASUREMENT

Portable gas anchor. E. T. Strugovets, N. N. Re
Mash. i neft. obor. no. 5.33-34 '64

GAS, NATURAL—PIPELINES

Analyzing a formula used to calculate high-pres
pipelines S A. Bobrovskii Gaz. delo no 2,1
Automatic control of the transportation and distr
of gas V. T Sergovantsev, V B. Andera, V I
Komiagin. Gaz prom. 7 no. 6;1-3 '62

Automating and centralizing the control in purifi
and drying units for the natural gas of the [illegible]
Stavropol-Moscow Gas Pipeline. S B. [illegible]
IUdin, IU. N Lykov Gaz delo no 2,30-36 '64

Economic efficiency in the use of the automatic a
mote control of gas pipelines, as a topic for di
V A Gorbatikov Gaz prom. 7 no 2 [illegible]

Effect of the time factor on the effectiveness of c
investments in gas transportation. [illegible]
Izv. vys. ucheb. zav., neft' i gaz 7 no. [illegible]

Electric modeling of nonlinear equations for [illegible]
gas motion and evaluating the accuracy of linear
tion methods. M IA. Ginzburg. Gaz prom 7
35-39 '62.

Increasing the capacity of gas pipelines [illegible]
with insertions of parallel sections V. I [illegible]
R IA. Pechenkov, S G Rabicheva Gaz prom
no. 2 36-40 '62

Investigating gas pipelines as radio wave [illegible]
Butaev and others. Gaz prom. 7 no. 8,43-49

Mechanical properties of tempered steels for [illegible]
of pipelines. L. A. Rubankova, [illegible]
MINKhiGP 48:207-212 '64.

Mobile laboratory for the combined investigation
piston compressor machinery. A. A. [illegible]
Masserman, V. M Pisarevskii Gaz delo no
'64.

Plastic underground gas pipelines. A. I. Aleksa
Gaz. prom. 9 no. 5;18-22 '64.

Present status of anticorrosion protection of gas
lines. G. S. Kesel'man. Gaz. delo no 7;24-25

Protecting the equipment of compressor stations
gas pipelines from dust. V. I. Kashina. Gaz p
no. 6;39-43 '62.

Selecting the optimal point for gas pipeline offtake
V. A. Smirnov, V. G. Golik. Gaz. delo no 1:16-2

Speed of gas motion in gas pipelines and purificati
apparatus. V. S. Burnykh. Gaz. prom. 9 no 5 4
'64.

Test determination of the effect of the nonsteady
state of gas flow on the hydraulic-resistance fa
L. I. Kudriashchev, V. A. TSererin. Izv. vys. u
zav.; neft' i gaz 5 no. 11;89-93 '62.

GAS, NATURAL—PROCESSING—BIBLIOGRAPHY
Bibliography—Gas, Natural—Processing

GAS AND OIL ENGINES see Internal combustion e

GAS AS FUEL

Controlling gas fed to a boiler. N. S. Sokolov G
prom. 9 no. 5;28-29 '64.

Economically efficient use of gasoline-free casingh
gas from the Tatar A. S. S. R. and Bashkiria as a
commercial and energy-producing fuel A P Ba
strov. Nauch -tekh. sbor. po dob. nefti no 11 10
110 '61.

Gasification of mazut under pressure. M I
Derbaremdiker, K. L. Serebrennikova, G I Tkach
Gaz. prom. 7 no. 6;14-16 '62

Some gas economy potentials. I. I. Vasin Gaz pro
no 2;32 '62.

Testing the vertical cylindrical VGD-40 boilers eq
with a prechamber medium-pressure injection b
L. I. Dorfman, A. N. Kushavskii. Gaz. prom. 9 no
23-25 '64.

GAS BURNERS

(see also subdivision under Estonia)

Calculation of single-channel gas burners of rotary
G. E. Loifman. Sbor. po. obm. opyt. v teplo. prom.
44-47 '60.

Combination [illegible]

[illegible]

Developing and investigating infrared gas radiators and introducing them into the national economy. A. M. [illegible] and others. Gaz. delo no.2:45 [illegible] '64.

[illegible]

[illegible]

GAS BURNERS—CATALOGS

Russia (1923- U.S.S.R.) Ministerstvo chernoi metallurgii. [illegible] [Injection burners, nozzles, handbook] Inzhektsionnye gorelki, forsunki, spravochnik. [Moskva, 1962] 70 p.

[MICROFILM]

GAS BURNERS—STANDARDS

[illegible]

GAS CHROMATOGRAPHY

Chromatographic unit for determining [illegible] [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

GAS CONDUITS see [illegible]

GAS DISTRIBUTION

(see also subdivision under [illegible])

[illegible]

[illegible], A. I., and [illegible] [Designing city gas [illegible]] [illegible] Moskva, [illegible] 1963. 107 p.

[illegible]

[illegible]

GAS DYNAMICS

[illegible]

[illegible]

[illegible] [Physical gas dynamics. Properties of gases at high temperatures] [illegible] Moskva, [illegible] 1964. 321 p.

[illegible]

GAS FLOW

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] delo, neft. no.20:17-20 '64.

Mechanism underlying the disintegration of a droplet moving in a gas flow. V. A. Borodin, Iu. F. Dityakin, V. I. IAgodkin. PMTF no.1:100-101 My-Je '64.

Numerical calculation of the turbulent mixing of two inhomogeneous gas streams. P. P. Lokhanov. Zhur. vych. mat. i mat. fiz. 4 no.3:[illegible] My-Je '64.

Speed of gas motion in gas pipelines and purification apparatus. V. S. Burykh. Gaz. prom. 9 no.5:[illegible] '64.

GAS FLOW—ELECTROMECHANICAL ANALOGIES

Electric modeling of nonlinear equations for nonsteady gas motion and evaluating the accuracy of linearization methods. [illegible] Ginzburg. Gaz. prom. 7 no.8:[illegible] '62.

GAS FLOW—MEASUREMENT

Measurement of profiles [illegible] of a fast electron beam. A. M. [illegible]. PMTF no.3:[illegible] My-Je '64.

Use of optical methods in determining the density field of spatial gas dynamic flows. [illegible]. PMTF no.[illegible] My-Je '64.

GAS GANGRENE—PREVENTIVE INOCULATION

[illegible] Zhur. mikrobiol., epid. i immun. 40 no.7:[illegible] '63.

GAS HEATING

Automatic control [illegible] gas economy. [illegible]

Using a [illegible] for gas heating. [illegible] Gaz. prom. [illegible] '62.

GAS INDUSTRY

(see also subdivision under Moscow)

[illegible]

GAS INDUSTRY—COSTS

[illegible] of gas supply based on various types of fuel gases. [illegible] Nauch.-tekh. sbor. [illegible] '64.

[illegible] Gaz. prom. [illegible] '64.

GAS INDUSTRY—PRODUCTION STANDARDS

[illegible] organization of the petroleum and gas industries in 1964-1965. N. [illegible], A. [illegible]. [illegible] 8 no.[illegible] Je '64.

GAS INDUSTRY—SAFETY MEASURES

Zatsian, S. G. [Labor safety during the servicing of gas installations] Okhrana truda pri obsluzhivanii gazovykh ustanovok. Moskva, Metallurgizdat, 1963. 65 p. (Biblioteka po okhrane truda v metallurgii)

GAS METERS

Use of [illegible] gas meter to determine the gas permeability of rocks. [illegible] Neftepromyslovoe delo no.[illegible] '63.

GAS PRODUCERS

[illegible]

GAS TURBINES

[illegible]

[illegible] of a gas turbine with variable [illegible] Energomashinostroenie 11 no.[illegible] '64.

[illegible] of gas turbine [illegible] Energomashinostroenie [illegible]

[illegible] of the initial temperature of gas T_H in gas turbine engines. [illegible] Teploenergetika 11 no.[illegible] Ag '64.

The [illegible] for the [illegible] blades of a high-temperature gas turbine with liquid sodium cooling. V. I. [illegible] Energomashinostroenie 10 no.[illegible] '64.

Power [illegible] of gas turbines with closed cycle. V. I. [illegible] Energomashinostroenie 10 no.[illegible] Ap '64.

[illegible] strength of the nozzle blades of gas turbines. [illegible], R. L. Kurlat. Teploenergetika 11 no.[illegible] Ag '64.

GAS TURBINES—DESIGN AND CONSTRUCTION

[illegible] with preliminary mixing for [illegible] of a GT [illegible] gas turbine assembly. [illegible] V. E. [illegible] Gaz. prom. [illegible] '64.

GAS WELDING AND CUTTING

[illegible] for the repair of [illegible] L. I. [illegible] Svar. proizv. no.[illegible] '64.

Fields)

Equipment for welding in carbon dioxide. M. V. [illegible]. Mont. i spets. rab. v stroi. 26 no.5:26-29 My '64.

GAS WELLS

Automatic control systems for gas and gas condensate fields. B. N. [illegible] Mashiny i neft. obor. no.[illegible] '64.

GAS WELLS—EQUIPMENT AND SUPPLIES

KGV-1 flow bean. M. T. Korchashkin, V. N. Goriachev, Iu. A. Vodianoi. Gaz. delo no.2:13-14 '64.

GAS WELLS—HYDRAULIC FRACTURING see subdivision under Stavropol Gas Field

GAS WELLS—TESTING

(see also subdivision under Gazli Gas Field)

Investigating gas wells. M. M. Kashpakov, B. A. Naskov. Gaz. delo no.3:10-12 '64.

GASEOUS PLASMA see Plasma (Ionized gases)

GASES

Separation of gas mixtures in a vortex tube. A. V. Martynov, V. M. Brodianskii. Trudy MEI no.50:146-150 '63.

Simulation methods in the investigation of the viscosity and heat conductivity of gases and gas mixtures. N. B. [illegible], A. G. Usmanov. Izv. vys. ucheb. zav.; neft' i gaz 7 no.1:70-80 '64.

GASES—ABSORPTION AND ADSORPTION

Adsorption and state of CO_2, SF_6, and NH_3 on the surface of graphitized carbon black. Part 2. B. A. [illegible] and others. Zhur. fiz. khim. 38 no.4:930-936 Ap '64.

Adsorption isotherms of gases on silica gel at low temperatures in the pressure range 10^{-3}-10 mm. of Hg. M. L. Fedorova, A. N. Aliev. Zhur. fiz. khim. 38 no.4:[illegible] Ap '64.

GASES—ANALYSIS

Analyzing the composition of residual gases over titanium spray coatings. A. V. Mikhailova, Iu. A. [illegible] [illegible]

Modernization of the optical and acoustic gas analyzers. V. I. Mikhailenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.4:[illegible] Ap '64.

GASES—LIQUEFACTION

Cooling of liquefied gases by evacuating the vapor space. V. M. Brodianskii, A. B. Grachev. Trudy MEI no.50:[illegible] '63.

GASES—PURIFICATION

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrous tower sulfuric acid system. Report No.1. M. L. Varlamov and others. Nauch. zap. Od. politekh. inst. 46:24-31 '62.

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrous tower sulfuric acid system. Report No.2. M. L. Varlamov and others. Nauch. zap. Od. politekh. inst. 46:[illegible] '62.

Anti[illegible] coatings in the shops of coke-oven gas purification [illegible] V. V. [illegible], V. V. [illegible], R. Kh. [illegible] Khim. prom. [Ukr.] no.[illegible] '64.

Rapid method for determining the quality of the [illegible] of electric filters. M. L. Varlamov, A. A. [illegible], L. M. [illegible] Nauch. zap. Od. politekh. inst. 46:[illegible] '62.

GASES—SPECTRA

[illegible] for studying the Raman spectra of gaseous substances. V. I. [illegible], V. M. [illegible] Prib. i tekh. eksp. 9 no.[illegible] '64.

GASES—THERMODYNAMICS

All-Union Conference on the Thermophysical Properties of Real Gases. Teplofiz. vys. temp. 2 no.2:304 Mr-Ap '64.

Rivkin, S. L. [Thermodynamic properties of gases] Termodinamicheskie svoistva gazov. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 294 p.

GASES, COMPRESSED

Diffusion of naphthalene in compressed ethylene and carbon dioxide. M. B. Iomtev, IU. V. Tsekhanskaia. Zhur. fiz. khim. 38 no.4:896-900 Ap '64.

GASES, IONIZED

Applicability of various equations in studying a completely ionized gas. V. B. Baranov. PMTF no.3:[illegible] My-Je '64.

Long high-pressure arc in argon. B. V. [illegible], Iu. R. Kulakov, V. I. Petrenko. Zhur. tekh. fiz. 34 no.2:340-343 F '64.

Processes of establishing an electric current in an ionized gas. A. K. Musin. Teplofiz. vys. temp. 2 no.2:[illegible] Mr-Ap '64.

Tensor of viscous stresses and the heat flow in a two-temperature partially ionized gas. M. IA. Alievskii, V. M. Zhdanov, V. A. Polianskii. PMTF no.3:[illegible] My-Je '64.

1641-1647 My '64.

GASES AT HIGH TEMPERATURES

Interaction between carbon and carbon dioxide at high temperatures. L. S. Golovina, G. P. Khaustovich. Teplofiz. vys. temp. 2 no. 2:267-273 Mr-Ap '64.

Interaction between niobium carbide and tungsten. IU. N. Vil'k and others. Teplofiz. vys. temp. 2 no. 2:274-279 Mr-Ap '64.

Method for determining the kinetic temperature of a gas. N. S. TSkhai. Teplofiz. vys. temp. 2 no. 2:294-296 Mr-Ap '64.

Moscow. Energeticheskii institut imeni G. M. Krzhizhanovskogo. [Physical gas dynamics. Properties of gases at high temperatures] Fizicheskaia gazodinamika. Svoistva gazov pri vysokikh temperaturakh. Moskva, Izd-vo "Nauka," 1964. 220 p.

Studying the molecular structure of high-temperature vapor based on the scattering of fast electrons. M. G. Rambidi, V. P. Spiridonov. Teplofiz. vys. temp. 2 no. 2:280-291 Mr-Ap '64.

GASES IN METALS

Moscow. Institut mashinovedeniia. [Gases in cast metal] Gazy v litom metalle. Moskva, Izd-vo "Nauka," 1964. 262 p.

GASES IN ROCKS

Dynamics of the vertical migration of fuel gas. N. V. Kulakov, M. A. Lipovskii. Geol. nefti i gaza 8 no. 3:21-25 Mr '64.

Linearizing equations of gas flow in fractured rocks. IU. P. Zheltov, P. F. Zolotarev. Nauch.-tekh. sbor. po dob. nefti no. 20:17-20 '63.

GASES IN SOILS

Seed germination as related to the various concentrations of oxygen and carbonic acid during the gas formation phasis in turf-Podzolic soils. I. P. Grechin, M. V. Kurlykova. Dokl. TSKHA no. 84:59-66 '63.

GASHOLDERS

Kornienko, V. S., B. V. Popovskii, and G. V. Linevich. [Preparing and erecting steel reservoirs and gasholders] Izgotovlenie i montazh stal'nykh reservuarov i gazgol'derov. Moskva, Stroiizdat, 1964. 319 p.

GASLIGHTING

Radiation of high-pressure discharge lamps in the ultraviolet spectrum. F. A. Charnaia, Z. G. IAkob. Svetotekhnika 10 no. 6:22-25 Je '64.

GASOLINE

Determining the α-olefins in pyrolysis gasolines by multistage chromatography. V. N. Timkin. Neftekhimiia 4 no. 1:133-136 Ja-F '64.

Determining the group composition of the dearomatized part of straight-run gasolines. B. V. Ioffe, O. E. Batalin. Neftekhimiia 4 no. 1:160-169 Ja-F '64.

Plant chromatograph for the quick determination of the fractional composition of gasolines. Nefteper. i neftekhim. no. 1:48-49 '64.

GASTRIC JUICE—MICROBIOLOGY

Microflora of gastric juice in chronic gastritis. N. R. Rakhimov, Z. F. Samsonova, G. Sh. Sabirova. Trudy Inst. kraev. eksper. med. no. 5:41-44 '63.

GASTRIC JUICE—THERAPEUTIC USE

Therapeutic effectiveness of the natural gastric juice in paratyphoid fever in ducklings. M. M. Feklistov, V. I. Krikov. Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5:32-33 '63.

GASTROENTEROLOGY

Levin, G. L. [Essays on gastric pathology] Ocherki zheludochnoi patologii. Moskva, Meditsina, 1964. 173 p. (Biblioteka prakticheskogo vracha)
(DNLM)

State of the gastrointestinal tract in opisthorchiasis occurring in Kamchatka. L. T. Babkin. Sov. med. 27 no. 10:142-146 O '63.

GASTROINTESTINAL HEMORRHAGE

Diagnostic significance of the study of the blood coagulation system in gastrointestinal hemorrhage. IU. M. Dederer, E. IA. Sukhoveeva. Khirurgiia 39 no. 8:82-88 Ag '63.

"Emergency X-ray examination in the clinic of acute gastroduodenal hemorrhages" by M. I. Sal'man. Reviewed by I. A. Shekhter. Vest. rent. i rad. 38 no. 6:69-70 N-D '63.

Some problems in the diagnostic use of radioisotopes, Cr^{51} in the determination of gastrointestinal hemorrhage and I^{131}-labeled rose bengal in liver function tests. P. I. Egorov and others. Vest. AMN SSSR 18 no. 10:70-76 '63.

Spontaneous ruptures of the liver. N. K. Matveev. Khirurgiia 39 no. 8:67-72 Ag '63.

GASTROINTESTINAL MOTILITY

Electrogastrographic variants in healthy persons during digestion. A. S. Belousov. Nov. med. tekh. no. 5:72-82 '61.

GASTROPODA see subdivision under Armenia

GASTROPODA, FOSSIL see subdivision under Caucasus

GASTROSCOPY

Attachment for biopsy in flexible gastroscopes. P. A. Kanishchev. Nov. med. tekh. no. 5:55-57 '61.

GAUDEAN, GERARD

Gaudean's engravings. S. Ivenskii. Iskusstvo 27 no. 4:55-58 Ap '64.

GAUGES

Measuring the difference in the mean diameters (taper) of taper threads with single-turn thread gauges. N. D. Shcherbiuk, V. A. Buteikis. Trudy VNIIBT no. 4:141-151 '62.

GAYVORON REGION (UKRAINE)—HYPERITE

Gabbro norite from the southern part of the Gayvoron region of the Ukrainian S.S.R. Z. K. Knotok. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:79-87 '56.

GAZLI GAS FIELD—GAS WELLS—TESTING

Using nonstationary hydrodynamic methods for investigating gas wells in the Gazli field. G. A. Zotov, S. M. Tverkovkin. Gaz. delo no. 2:3-10 '64.

GEAR CUTTING

The fifth scientific technical conference on recent technology for machining gear and worm transmissions. IU. A. Naumov. Vest. mashinostr. 44 no. 5:79-80 My '64.

GEAR-CUTTING MACHINES

Automatic lines for machining gears. L. V. Cherenkova, M. A. Kostiunina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 1:80-82 Ap '64.

GEAR-SHAPING MACHINES

Effect of a tooth rim on the parameters of the forging of toothed level gears. A. M. Smirnov. Avt. prom. 30 no. 3:42-43 Mr '64.

Technological characteristics of the process of cold rolling of low-module gear wheels. N. V. Kulbin, A. K. Litovinskii. Priborostroenie no. 3:14-16 Mr '64.

GEARING

Accelerated method of determining the wear of tooth gears. V. I. Boitsov. Stroi. i dor. mash. 9 no. 5:22-24 My '64.

Calculating the parameters of involute gears according to measurement data. K. I. Evlampiev. Trudy DVPI 56 no. 1:3-16 '62.

Two prospective systems of progressive transmission. V. P. Serdiuk, B. N. Borovskii. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:137-141 '61.

Voronov, A. L., and I. A. Grebenkin. [Gearboxes of machine tools; kinematic calculation of gearboxes with combined structure and multiconnected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhnoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 132 p.

GEARING—TABLES, CALCULATIONS, ETC.

Petrik, M. I., and V. A. Shishkov. [Tables for the selection of cog wheels] Tablitsy dlia podbora zubchatykh koles. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 450 p.

GEARING, WORM

Undercutting cogs of a worm-gear wheel. M. A. Voronchikhin. Trudy DVPI 56 no. 1:17-26 '62.

GEBLER, FRIEDRICH AUGUST VON, 1782-1850

F. B. Gebler, prominent Siberian physician. N. P. Fedotov, O. G. Tokareva. Trudy Perm. gos. med. inst. 43:171-174 '63.

GELATIN

Nature of the interaction of gelatin with trimethylolmelamine. D. A. Kutsidi, I. P. Shankbov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:101-105 '64.

Production and testing of copolymers of partially degraded gelatin with monomers forming polyamides. L. A. Bogdanov and others. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:64-72 '64.

Separation of strontium-90 and yttrium-90 with the aid of gelatin foam. V. V. Pushkarev, V. V. Bagretsov, V. D. Puzako. Radiokhimiia 6 no. 1:120-121 '64.

GELATION

Gelation of aqueous solutions of potassium silicate in the presence of aluminates. G. A. Votrova, V. L. Levasheva. Dokl. LPI 5 no. 1/2:144-147 '63.

GENERAL SEMANTICS

The correlation of language, thought and reality in general semantics. L. O. Reznikov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 5:160-172 '64.

DEFORMITIES

Diagnosis of a congenital [illegible]
Timilovich, I. I. Zolotare[illegible] 5
115 O '63.

GENERATIVE ORGANS, FEMAL

Secondary bone lesions in cance
V. A. Mandel'shtam. Vop. onk.

GENERATIVE ORGANS, FEMAL

Experimental data on the [illegible]
[illegible]
13-14 S-O '63

GENITOURINARY ORGANS DISE

Organization of measures [illegible]
urogenital tract. [illegible]
Vest. derm. i ven. [illegible]

[Trichomoniasis of the urogenita
articles] Trikhomonoz urogenit
statei. Tallin, Akad. nauk Est
(DNLM)

GEOCHEMICAL PROSPECTING

Krainov, S. R. [Hydrogeochemic
for boron deposits; methodolog
khimicheskii metod poiskov m
dicheskoe rukovodstvo. Moskv
209 p. (Moscow. Vsesoiuznyi n
institut gidrogeologii i inzh-geol
no. 0)

GEOCHEMISTRY

Glazovskaia, M. A. [Geochemic
typology and the investigation of
forms; textbook] Geokhimicheskie
metodiki issledovanii prirodnyk
posobie. [Moskva] Izd-vo Mosk

GEOGRAPHICAL RESEARCH

(see also subdivision under Mo

Decisions of the [illegible]
graphical Union. Izv. [illegible]
3-1 '64.

GEOGRAPHICAL SOCIETIES see

Komi A.S.S.R.; Transcaucasia.

GEOGRAPHY

(see also subdivision under [illegible]
Turkmenistan)

Interdependence of geographical
chikov. Vest. Mosk. un. [illegible]
My-Je '64.

N. N. Baranskii and Soviet [illegible]
O. P. Nazarevskii. [illegible]
[illegible] '64.

Strabo. [Geography in 17 books, t
Greek] Geografiia v 17 knigakh,
kommentarii G. A. Stratanovsk
S. L. Utchenko. Red. perevoda [illegible]
grad] Izd-vo "Nauka," 1964 [illegible]

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geogr. [illegible]

GEOGRAPHY—AUDIO-VISUAL AIDS

Self-made three-dimensional [illegible]
N. S. Surovtsev. Mat. Geog. [illegible]
SSSR no. 2:107-108 '63.

GEOGRAPHY—CONGRESSES

The Fourth Congress of the Geog
the U.S.S.R. Vest. Mosk. un. [illegible]
3-6 My-Je '64

GEOGRAPHY—STUDY AND TEACH

Diploma project themes in the [illegible]
Moscow University. N. IA. Koval
Makunina, E. M. Nikolaevskaia
Geog. 19 no. 3:63-69 My-Je '6

Model for planning a subject [illegible]
on the geography of parts of the
states. A. V. Darinskii. Mat. Geo
ob-va SSSR no. 3:75-81 '61.

Selecting material for grades 6-7 [illegible]
phy of parts of the world and [illegible]
A. V. Darinskii. Mat. Geog. [illegible]
SSSR no. 2:56-74 '63.

Students' independent work [illegible]
lessons. N. M. Boro[illegible] Mat.
Geog. ob-va SSSR no. [illegible]

GEOGRAPHY, ECONOMIC see subd

geography" under Czechoslovakia;
Rumania; Russia, Northwestern;
Underdeveloped Areas

[illegible] paper in a reservoir consisting of several uniform sections possessing various parameters. [illegible] Lopan. Nauch.-tekh.sbor. po dob.nefti no.20:36-43 '63.

Features of investigations of fluid displacement in transparent models of porous media. [illegible] Nauch.-tekh.sbor. po dob.nefti no.20:[illegible] '63.

Modeling a dipole electromagnetic profile. V.Kh. Zakharov. Zap.LGI 46 no.2:100-110 '63.

Preparing cemented sands-argillaceous models of a core. N.N. Rumiantseva. Nauch.-tekh.sbor. po dob.nefti no.20:[illegible] '63.

[illegible] models to determine the reservoir pressure from the data of [illegible] P.M. Belash. Nauch.-tekh.sbor. po dob.nefti no.14:[illegible]

GEOLOGY

(see also subdivision under Altai Mountains, Carpathian Mountains, Caucasus, Italy, Kirghizistan, Kola Peninsula; Russian Platform Sayan Mountains, Transbaikalia)

Abdullaev, Kh.M. [Collected works] Izbrannye sochineniia. Tashkent, Izd-vo "Nauka" UzSSR.
Vol.1. 1964. 193 p.

[illegible], O.F. [Fundamentals of the geology of the U.S.S.R.] Osnovy geologii SSSR. [Kiev] Izd-vo Kievskogo univ.
Pt.2. 1964. 3?? p. map (insert)

An example of a formation of multidimensional statistics in geology. [illegible] Zap.Vses.min.ob-va [illegible] no.1:41-44 '64.

Memorable dates for geologists. December, 1963. V.V. Tikhomirov, N.A. Voskresenskaia. Sov.geol. 6 no.12:147-150 D '63.

GEOLOGY—ABSTRACTS

[Geology] Ref.zhur.:Geol. no.6 Je '64.

GEOLOGY—CONGRESSES

The ordinary session of the Council of the International Union of the Geological Sciences. N.A. Beliaevskii, [illegible] Sov.geol. [illegible] no.4:150-15? Ap '64.

GEOLOGY, ECONOMIC

[illegible] "Problems of economic geology." [illegible] Pozharitskii, N.A. [illegible] Sov.geol. [illegible] '64.

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Amur Valley, Aral Sea region, Azerbaijan; Bakhchisaray District; Balkhash Lake region, Bessarabia, Bol'shezemel'skaya Tundra; Bol'shoy Tokmak region, Ukraine, Carpathian Mountains, Caucasus, Northern, Chita Province, Crimea, Darvaz, Don Valley, Donets Basin, Gissar Range region, Guria, Irkutsk Province, Iturup Island, Karpinsk Lowland; Kazakhstan, Kedabek region, Azerbaijan, Kendyktas Mountains, Kirghizistan; Kobystan, Lebirtsa Valley, Lower Tunguska Valley, Mezen Valley, Moscow Province; Stavropol Territory, Transbaikalia; Ukraine, Ural Valley; Zaysan Depression; Zeravshan Valley)

[illegible]

Paleogene of the Kuban-Azov Lowland, the Karpinsk swell, and the northwestern slope of the Stavropol anticline. [illegible] Trudy VNIGNI no.37:107-142 '63

GEOLOGY, STRUCTURAL

(see also subdivision under Aldan Valley; Altai Mountains, Aralsor Platform, Asia; Azerbaijan; Balkhash Lake region, Carpathian Mountains, Caucasus; Crimea, Dniester Valley; Karatau, Kazakhstan; Minusinsk Basin, Soviet Far East, Tien Shan, Tigil' District, Timan Range, Tiungun Valley; Transbaikalia; Ufatau, Ustyurt, Volga-Ural region)

[illegible] and the [illegible] on the basis of the local action variation principle. [illegible] 40 no.3: 31-36 '63

[illegible] layers and their relation to large structures. [illegible] Trudy [illegible] '63.

Recent geosynclines in the south of the U.S.S.R. A.V. [illegible] Trudy VNIGNI no.39:3-10 '63

Some general problems of geotectonics; [illegible] of crustal development. [illegible] '63.

Stepped relief in the region of the [illegible] Izv. AN SSSR [illegible] '64

GEOLOGY, STRUCTURAL—BIBLIOGRAPHY see Bibliography—Geology, Structural

GEOLOGY, STRUCTURAL—MAPS

(see also subdivision under Caspian Lowland; Dnieper Valley)

Application of the cartographical method for the study of recent tectonic movements. A.M. Perlina, L.F. Litvin. Vest. Mosk.un. Ser.5: Geog. 19 no.3:31-35 My-Je '64

[illegible] no.11-13 16 '62.

GEOMETRICAL DRAWING

Sokolovskii, M.S. [Drawing] Cherchenie. Izd.2., ispr. i dop. Moskva, Vysshaia shkola, 1963. 100 p.

GEOMETRICAL OPTICS see Optics, Geometrical

GEOMETRY

Grava, A., and O. Trotiiba. [Algebra and elementary functions of geometry, textbook for teachers of grade 9] Algebra un elementaras funkcijas geometrija, macibu paligidzeklis skolotajiem 9.klasei. Riga, Latvijas Valst izd-ba, 1963. 132 p. [In Latvian]

GEOMETRY—STUDY AND TEACHING

Boguslavskii, K.S. [Problems of teaching geometry in eight-year schools; manual for teachers] Voprosy prepodavaniia geometrii v vos'miletnei shkole, posobie dlia uchitelei. Moskva, Izd-vo "Prosveshchenie," 1964. 109 p.

GEOMETRY, ALGEBRAIC

Criterion of the projectivity of complete abstract algebraic varieties. B.G. Moishezon. Izv.AN SSSR Ser. mat. 28 no.1:179-224 Ja-F '64

GEOMETRY, ANALYTIC

Blaschke's projection. M.M. Arapova. Uch.zap.MGPI no.208:199-219 '63.

GEOMETRY, DESCRIPTIVE

Krylov, N.N., P.I. Lobandievskii, and S.A. Men. [Descriptive geometry] Nachertatel'naia geometriia. Izd.3., perer. i dop. Moskva, Vysshaia shkola, 1963. 360 p.

Projection of a complex image in perspective. B.V. Sobolevskii. Trudy IPI no.10:191-197 '63.

Solution of certain problems in perspective on an inclined plane. B.V. Sobolevskii. Trudy IPI no.10: 199-201 '63.

GEOMETRY, DIFFERENTIAL

Approximation of area by broken lines. I.?. Faiaberg. Uch.zap.MGPI no.208:115-130 '63.

Geometry of a surface in affine simplex space. N.M. Ostianu. Uch.zap.MGPI no.208:156-170 '63.

Geometry of a surface in unitary Euclidean space. M.Z. Osipova. Uch.zap.MGPI no.208:139-155 '63.

Lumiste, Ulo. [Differential geometry] Diferentsiaalgeomeetria. Tallinn, Eesti Raamat Kirjastus 1963. 235 p. [In Estonian]

Structure of surfaces carrying a net of conjugate lines. M.A. Akivis. Uch.zap.MGPI no.208:11-17 '63.

GEOMETRY, DIFFERENTIAL—PROJECTIVE

Conjugate nets with general families of first axes in projective space $P_{n+1}^{(n>1)}$. V.V. Gol'dberg. Uch. zap.MGPI no.208:100-110 '63.

Flexure of two dimensional surfaces of a projective space P_n carrying a conjugate net. N.V. Lakhanova. Uch.zap.MGPI no.208:139-114 '63.

Geodesic and principal lines of normalized hypersurfaces of n dimensional projective spaces. N.S. Vorontsova. Uch.zap.MGPI no.208:88-98 '63.

Geometry of three-dimensional space with a degenerate Euclidean metric. A.I. Shcheta. Uch.zap.MGPI no.208:299-313 '63.

Hypersurfaces with general normalization in projective space. N.S. Vorontsova. Uch.zap.MGPI no.208 88-105 '63.

Interrelation of invariant connectivities on the curves of an n dimensional projective space. I.S. Atanasian. Uch.zap.MGPI no.208:40-65 '63.

Theory of curves and hypersurfaces in a space with a degenerate absolute. L.N. Shigaleva. Uch.zap.MGPI no.208:252-264 '63.

GEOMETRY, MODERN

Invariant description of Cartan's integral geometry. M.V.Vasil'eva. Uch.zap.MGPI no.208:76-85 '63.

GEOMETRY, NON-EUCLIDEAN

Curves of second order in plane parabolic geometry. N.M. Makarova. Uch.zap.MGPI no.208:222-251 '63.

Invariant expansions of relativistic amplitudes. N.IA. Vilenkin, IA.A.Smorodinskii. Zhur.eksp.i teor.fiz. 46 no.5:1793-1808 My '64.

Metric invariants of equations of quadrics in a quasi-elliptic space. L.P. Plitsyna, L.V. Puchkova, L.V. Rumiantseva. Uch.zap.MGPI no.208:265-277 '63.

Quadrics in a quasi-affine space. L.V. Rumiantseva, I.N. Semenova. Uch.zap.MGPI no.208:288-297 '63.

GEOMETRY, NON-EUCLIDEAN—STUDY AND TEACHING

Presentation of the consistency of Lobachevskii's solid geometry in a course on "The elements of geometry." L.S. Atanasian. Uch.zap.MGPI no.208:343-351 '63.

GEOMETRY, PROJECTIVE

Analytic projective geometry. M.V. Vasil'eva. Uch.zap.MGPI no.208:352-394 '63.

Zasov, V.D. [Projections with numerical marks; a book of problems] Proektsii s chislovymi otmetkami, zadach-nik. [n.p.] Rosvuzizdat, 1963. 107 p.

GEOMORPHOLOGY

(see also subdivision under Abasha Valley; Crimea; Gumista Valley; Lena Valley; Mingrelia; Siberia, Western; Tskhenis-Tskali Valley, Tviberi Glacier)

Possibilities for determining geologic structure from geomorphological data. M.V. Prontcheva, P.I. Zhuravkov. Trudy VNIGNI no.40:146-156 '64.

Practice in correlating the peneplanation of the globe. D.A. Timofeev. Izv. AN SSSR Ser.geog. no.3:[illegible] '64

GEOPHYSICS—ABSTRACTS

[Geophysics]. Ref.zhur.:Geofiz. no.6 Je '64.

GEORGIA—AGRICULTURE

Agricultural technique of Transcaucasia in the 19th and the beginning of the 20th century. P.V. Gugushvili. Trudy Inst.ekon.AN Gruz.SSR 11:1-108 '62.

GEORGIA—CANNING AND PRESERVING—RESEARCH

Research work in Georgia in the field of fruit and vegetab preserving. A.N. Nizharadze. Kons.i ov.prom. 19 no.4:8-10 Ap '64.

GEORGIA—CLIMATE

Circulatory factors in the climate of western Georgia. L.S. Gogitishvili. Trudy Inst.geog.AN Gruz.SSR 16: 311-316 '63

GEORGIA—CODLING MOTH—EXTERMINATION

Readers' letters. N.A.Sikharulidze, L.G.Mikautadze. Zashch.rast.ot vred.i bol. 9 no.2:47 '64.

GEORGIA—COURTS

Formation of the Soviet judiciary in Georgia. N. Surguladze. Trudy Tbil.GU 91:101-110 '63.

GEORGIA—DISTRIBUTIVE EDUCATION

Improve the training of trade personnel. L. Dzhulakidze. Sov.torg. 36 no.6:32 Je '63

GEORGIA—ECONOMIC CONDITIONS

[National economy of the Georgian S.S.R. in 1961; statistical yearbook] Narodnoe khoziaistvo Gruzinskoi SSR v 1961 godu, statisticheskii ezhegodnik. Tbilisi, Gosstatizdat, 1963. 380 p.

[National economy of the Georgian S.S.R. in 1962; statistical yearbook] Narodnoe khoziaistvo Gruzinskoi SSR v 1962 godu; statisticheskii ezhegodnik. Tbilisi, Gosstatizdat, 1963. 444 p.

GEORGIA—ECONOMICS—BIBLIOGRAPHY

Bibliography of studies in economics published in the Georgian S.S.R. in 1957. Trudy Inst.ekon.AN Gruz. SSR 11:199-210 '62.

GEORGIA—FINANCE

Replies to the editor. Fin.SSSR 38 no.5:70 My '64.

GEORGIA—FISH PROCESSING PLANTS

Technological progress and resources of the labor productivity in the fish processing enterprises of Georgia. I.M.Chicheishvili. Trudy Nauch.-issl. rybokhoz.sta.Gruz. 6:40-47 '61.

GEORGIA—FISHES—FOOD

Food resources of alpine lakes Madatapa, Khanchaly and Baretk. O.I. Chkhaidze, Zh.N.Dengerova, V.V. Okhanashvili. Trudy Nauch.-issl.rybokhoz.sta.Gruz. 6:31-38 '61.

GEORGIA—FOREIGN RELATIONS—RUSSIA

Relations between Georgia and Russia from the 15th to the 18th century, a study of their international legal aspects. L. Aleksidze. Trudy Tbil GU 94:7-91 '63.

GEORGIA—GAS, NATURAL—GEOLOGY

Laliev, A.G. [Maikop series in Georgia; stratigraphy, formation conditions, oil and gas potentials] Maikopskaia seriia Gruzii; stratigrafiia, usloviia obrazovanii neftegazonosnost'. Pod red. M.I.Varentsova. Moskva, Nedra, 1964. 307 p.

GEORGIA—HEALTH RESORTS, WATERING PLACES, ET

With the help of patrons. S. Stateikov. Okhr.truda i sots.strakh. 7 no.6:28-29 Je '64.

GEORGIA—HISTORY

Abashidze, Grigol. [Long night; Georgian chronicle of the 13th century. Dolgaia noch'; gruzinskaia khronika trinadtsatogo veka. Tbilisi, Sabchota Sakartvelo] 196 485 p. [In Georgian]
(MI)

Ogushvili, P.V. [Karl Marx in Georgian journalistic writings and public opinion up to 1898] Karl Marks v gruzinskoi publitsistike i obshchestvennosti do 1898 goda. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 196 286 p.

GEORGIA—HYDROLOGY

Hydrological regionalization of Georgia. L. A. Vladimirov Trudy Inst. geog. AN Gruz. SSR 18 217-222 '63

GEORGIA—INDUSTRIES

Soviet scholars' opinions about a book by Professor P. Gugushvili. V. G Chantladze. Trudy Inst. ekon AN Gruz. SSR 13 239-250 '62.

GEORGIA—KIDNEY BEAN—VARIETIES

Methods and results of kidney bean breeding in Georgia L. L. Dekaprelevich Agrobiologiia no 2 184-190 Mr-Ap '64

GEORGIA—LABOR PRODUCTIVITY

Technological progress and resources of the labor productivity in the fish processing enterprises of Georgia. I M. Chichel'nitskii. Trudy Nauch.-issl. rybokhoz. sta. Gruz. 6 49-63 '61.

GEORGIA—MINERALS IN SOILS

Change in agrochemical characters of the soil in tea plantations in connection with continuous fertilization of soils A V. Peterburgskii, I. A Chanturiia Dokl TSKHA no 84;233-239 '63.

GEORGIA—ORE DEPOSITS

Igneous activity and metallogeny in southern Georgia. V. R. Nadiradze. Zakonom. razm. polezn. iskop 7: 354-356 '64

GEORGIA—ORE DEPOSITS—MAPS

Principles and methods of compiling large- and mean-scale metallogenic forecasting maps as revealed by a study in southeastern Georgia. IU I Nazarov Zakonom. razm polezn. iskop. 7:266-270 '64.

GEORGIA—PETROLEUM GEOLOGY

Laliev, A. G. [Maikop series in Georgia; stratigraphy, formation conditions, oil and gas potentials] Maikopskaia seriia Gruzii, stratigrafiia, usloviia obrazovaniia, neftegazonosnost'. Pod red. M. I. Varentsova, Moskva, Nedra, 1964. 307 p.

GEORGIA—PHYTOGEOGRAPHY

Botanical and geographical characteristics of the Kvira and the Okhachkuye limestone massifs E. V. Sokhadze, M. E. Sokhadze. Trudy Inst. geog. AN Gruz. SSR 18: 161-173 '63

GEORGIA—PLANTS, PROTECTION OF

Interdistrict quarantine inspector. T. Losaberidze. Zashch rast. ot vred. i bol. 8 no. 10 49-50 O '63.

GEORGIA—REVOLUTION, 1917-1921

Revolutionary committees in Georgia in the struggle for the establishment of Soviet rule. G. I. Litvinova. Sov. gos. i pravo 34 no. 6:143-144 Je '64.

GEORGIA—ROCKS, IGNEOUS

Igneous activity and metallogeny in southern Georgia. V. R. Nadiradze. Zakonom. razm. polezn. iskop. 7: 354-356 '64.

GEORGIA—TEA—FERTILIZERS AND MANURES

Change in agrochemical characters of the soil in tea plantations in connection with continuous fertilization of soils. A V. Peterburgskii, I. A. Chanturiia. Dokl. TSKHA no. 84.233-239 '63

Using composts to grow large tea crops. K. E. Bakhtadze, Agrobiologiia no. 2·260-264 Mr-Ap '64

GERBILS see subdivision under Turkmenistan

GERBILS AS CARRIERS OF DISEASES

Fate of plague bacteriophage in the organism of healthy and plague-infected greater gerbils and the possible passage of its transmission under experimental conditions. I. L. Martinevskii and others. Zhur. mikrobiol., epid. i immun. 40 no. 5:31-34 My '63.

GERIATRICS

Methods of contrast X-ray study of the brain in various states of dementia in old age M. D Gal'perin, I V Bokii Trudy Gos. nauch.-issl. psikhonevr. inst. 31; 297-314 '63.

Ryzhov, P. V. [Preoperative and postoperative periods in elderly patients] Predoperatsionnyi i posleoperatsionnyi periody u bol'nykh pozhilogo vozrasta. Kishinev, Kartia Moldoveniaske, 1964. 187 p.
(DNLM)

GERM CELLS

Importance of the germ layer theory in present-day science, in memory of A. O Kovalevskii. P. G. Svetlov. Arkh anat., gist. i embr. 44 no. 4.7-25 Ap '63.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—DICTIONARIES—LITHUANIAN

Kareckaite, A., H. Kazlauskaite, and V. Kazlauskaite, comps. [A concise German-Lithuanian and Lithuanian-German dictionary for school use] Trumpas mokyklinis vokieciu-lietuviu ir lietuviu-vokieciu kalbu zodynas. Kaunas, Valstybine pedagogines lit-ros leidykla, 1963. 301 p. [In Lithuanian]

Slapoberskis, David. [German-Lithuanian dictionary. About 60,000 words and phrases] Vokieciu-lietuviu kalbu zodynas. Apie 60 0000 zodziu ir posakiu Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 1037 p.

GERMAN LANGUAGE—DICTIONARIES—RUSSIAN

Tallinn. Polutehniline Instituut. Kafedra russkogo iazyka i inostrannykh iazykov. [German vocabulary for those entering technical colleges] Slovarnyi zapas po nemetskomu iazyku dlia postupaiushchikh vo vtuz. Tallin, Tallinskii politekhn. in-t, 1963 86 p

GERMAN LANGUAGE—TECHNICAL GERMAN

Tallinn. Polutehniline Instituut. Kafedra russkogo iazyka i inostrannykh iazykov. [German vocabulary for those entering technical colleges] Slovarnyi zapas po nemetskomu iazyku dlia postupaiushchikh vo vtuz. Tallin, Tallinskii politekhn. in-t, 1963. 86 p.

GERMANIC LANGUAGES—GRAMMAR, COMPARATIVE

Gukhman, M. M. [Development of voice oppositions in the Germanic languages, historical and typological studies of related languages] Razvitie zalogovykh protivopostavlenii v germanskikh iazykakh; opyt istoriko-tipologicheskogo issledovaniia rodstvennykh iazykov. Moskva, Izd-vo "Nauka," 1964. 292 p.

Zhirmunskii, V. M. [Introduction to a comparative historical study of the Germanic languages] Vvedenie v sravnitel'no-istoricheskoe izuchenie germanskikh iazykov Moskva, Izd-vo "Nauka," 1964. 313 p.

GERMANIUM

Adsorption layers on the surface of molten germanium. V. B. Lazarev. Dokl. AN SSSR 156 no. 5.1159-1162 Je '64

Effect of plastic deformation on current carrier mobility in n-germanium. L. I. Kolesnik. Fiz. tver. tela 6 no. 4 1253-1254 Ap '64.

GERMANIUM—ELECTRIC PROPERTIES

Electric properties of germanium irradiated by fast neutrons at 77°K. R. F. Konopleva, S. R. Novikov. Fiz. tver. tela 6 no. 4:1062-1067 Ap '64.

GERMANIUM—SPECTRA

Use of a spectrograph for determining indium and germanium impurities in tin. F. I. Kogan, P. N. Kovalenko, Z I. Ivanova. Ukr. khim. zhur. 30 no. 4·395-398 '64.

GERMANIUM—THERMAL PROPERTIES

Experimental determination of the total radiation of germanium. V F. Brekhovskikh. Inzh.-fiz. zhur. 7 no 5:66-69 My '64.

GERMANIUM CRYSTALS—DEFECTS

Dislocation theory of the initial stage of deformation in Ge single crystals. V. G. Govorkov and others. Fiz. tver. tela 6 no. 4:1039-1047 Ap '64.

Use of the electrodiffusion method in studying the behavior of indium and antimony impurities in germanium. L. A. Badenko. Fiz. tver tela 6 no. 4;986-991 Ap '64.

GERMANIUM HYDRIDES

Thermodynamic functions of deutero- and iodo derivatives of GeH_4. A. A. Antonov, D. S. Koval'chuk, P. G. Maslov. Ukr. khim. zhur. 30 no. 1;20-24 '64.

GERMANIUM-INDIUM-ANTIMONY ALLOYS

Heterogeneous equilibrium in the system Ge - In - Sb. V. S. Zemskov, A. D. Suchkova, B. G. Zhurkin. Zhur. fiz. khim. 36 no. 9:1914-1918 S '62.

GERMANIUM ORGANIC COMPOUNDS

Possibility of preparing high-molecular weight compounds from diphenylgermane under conditions of polyrecombination reaction. S. L. Sosin, V. V. Korshak, V. P. Alekseeva. Vysokom. soed. 6 no. 5:827-831 My '64.

Separation of phenyl derivatives of arsenic and germanium by means of partition paper chromatography. V. D. Nefedov and others. Radiokhimiia 6 no. 1:112-113 '64.

GERMANY—AGRICULTURAL WORKERS

"The struggle of the German workers' movement for agricultural workers and working peasants from 1848 to 1890" by F. Schaaf. Reviewed by G. V. Pavlenko. Nov. i noveish. ist. no. 2:152-154 '64.

GERMANY—EUROPEAN WAR, 1914-1918

The myth of the "stab in the back." IA. S. Drabkin. Nov. i noveish. ist. no. 1:119-128 '64.

GERMANY—FOREIGN RELATIONS

Erhard's touring of "Little Europe." L. Kait. Mezhdunar. zhizn' 11 no. 6:111-112 Je '64.

GERMANY—FOREIGN RELATIONS—GREAT BRITAIN

A new book on the history of international relations. M. I. Mikhailov. Nov. i noveish. ist. no. 2:161-162 '64.

GERMANY—HISTORY

"The aggression of fascist Germany in Europe, 1933-1939" by V. T. Fomin. Reviewed by G. A. Deborin. Nov. i noveish. ist. no. 1:137-140 '64.

"Germany from 1648 to 1789" by G. Schilfert; "Ger from 1789-1815" by I. Streisand [both in German] Reviewed by A. D Epshtein. Nov i noveish. ist 146-152 '64

The 150th anniversary of the liberation of Germany Napoleon's domination. E. I. Druzhinina. Nov. i ist. no. 1;182-185 '64.

Rozanov, G. L. [Svastika over Germany, 1933-193 Svastika nad Germaniei (1933-1939 gody). Moskv. Politizdat, 1964. 70 p. (Shkol'naia bibliotechka p noveishei istorii)

GERMANY—LABOR AND LABORING CLASSES

A work on the history of the working class of Germ in the first half of the 19th century. M. I Fainsn. Vop. ist. 39 no. 6:181-185 Je '64

GERMANY—PRISONERS OF WAR, ARMENIAN

An unknown page of the underground struggle of the Armenian war prisoners. M. N. Akopian. Izv. AN Arm. SSR. Obshchestv. nauki no. 4.31-40 Ap '64.

GERMANY—SOCIALISM

"The struggle of the German workers' movement for agricultural workers and working peasants from 16 to 1890" by F. Schaaf. Reviewed by G. V. Pavlenko. Nov. i noveish. ist. no. 2 152-154 '64.

GERMANY, EAST—AGRICULTURE, COOPERATIVE

Organization of work in the agricultural production cooperatives of the German Democratic Republic. A. Zhdanov. Sots. trud. 9 no. 5:184-150 My '64.

GERMANY, EAST—ARMY

National people's army of the German Democratic Re public. Komm. Vooruzh. Sil 4 no. 9:81-88 My '64

GERMANY, EAST—ARMY—COMMUNICATIONS

Thanks, soldiers! G. Berchert Sov. voin 46 no. 7 Ap '64.

GERMANY, EAST—ATMOSPHERE

Papers of the Institute for Research on the General C culation of the Atmosphere in the German Democrat Republic. D. Burg, V. Bemo. Meteor. i gidrol. no. 55-56 My '64.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 2 '64.

GERMANY, EAST—CALCULATING MACHINES

Exhibition of the calculating machines of the German Democratic Republic. Bukhg. uchet 21 no. 3.75-77 '64.

GERMANY, EAST—CHEMICAL INDUSTRIES

Certain problems of organization and planning of the production in chemical plants of the German Democratic Republic. M. Sh. Dovetov. Trudy LIEI no. 46 79-94 '63.

GERMANY, EAST—ECONOMIC CONDITIONS

The German Democratic Republic in figures. Kurt Wedekind Nov. vrem. 21 no. 23.19-20 Je '64

GERMANY, EAST—ECONOMIC POLICY

Stages of a great path. Günter Pöggel. Sov. profsoiuz 20 no. 9;36-37 My '64.

GERMANY, EAST—ELECTRIC WELDING

In a carbon dioxide atmosphere. Erdman. Tekh. i vooruzh. no. 1:82-83 Ja '64.

GERMANY, EAST—FOREIGN RELATIONS—GERMANY, WEST

"Nonrecognition" yesterday and today. A. Leonidov. Nov. vrem. 21 no. 23:9-12 Je '64

GERMANY, EAST—FOREIGN RELATIONS—RUSSIA

Editorial comment. Nov. vrem. 21 no. 23;1-3 Je '64

GERMANY, EAST—HISTORY—STUDY AND TEACHING

In a group studying the history of Germany. B. M. Tupolev. Vop. ist. 39 no. 6:167-169 Je '64.

GERMANY, EAST—INDUSTRIAL MANAGEMENT

Industrial management in the German Democratic Repub lic. N. Kotlshev. Nov. vrem. 21 no. 24:18-20 Je '64

GERMANY, EAST—OCCUPATIONS

Compiling the occupational job descriptions in the Germ Democratic Republic. N. E. Vorob'ev. Shkola i prof 8 no. 7:78-80 Jl '64.

GERMANY, EAST—PATENT LAWS AND LEGISLATION

Germany - German Democratic Republic and German Federal Republic. E. Nemirovskii. Izobr. i rats no. 6:32 '64.

GERMANY, EAST—RADIO

New radio receiving apparatus manufactured in the German Democratic Republic. K. Shubert. Radio no. 5:57-58 My '64.

[illegible]

GERMANY, EAST—ROAD MACHINERY

[illegible]

GERMANY, EAST—STATE FARMS

[illegible]

GERMANY, EAST—TECHNOLOGICAL INNOVATIONS

[illegible]

GERMANY, EAST—TRADE UNIONS [illegible]

[illegible]

GERMANY, EAST—VOCATIONAL EDUCATION

[illegible]

GERMANY, EAST—YARN

[illegible]

GERMANY, WEST—ATOMIC WEAPONS

[illegible]

GERMANY, WEST—[illegible]

[illegible]

GERMANY, WEST—[illegible]

[illegible]

GERMANY, WEST—[illegible]

[illegible]

GERMANY, WEST—CRIMINAL LAW

[illegible]

GERMANY, WEST—[illegible]

[illegible]

GERMANY, WEST—[illegible] RELATIONS—UNDERDEVELOPED AREAS

[illegible]

GERMANY, WEST—[illegible]

[illegible]

[illegible]

[illegible]

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

[illegible]

GERMANY, WEST—FOREIGN RELATIONS—LATIN AMERICA

[illegible]

GERMANY, WEST—HISTORY—PERIODICALS

[illegible]

GERMANY, WEST—[illegible]

[illegible]

GERMANY, WEST—JUSTICE, ADMINISTRATION OF

[illegible]

GERMANY, WEST—[illegible] MACHINERY

[illegible]

GERMANY, WEST—MILITARY POLICY

[illegible]

[illegible]

GERMANY, WEST—POLITICS AND GOVERNMENT

[illegible]

[illegible]

[illegible]

GERMANY, WEST—RAILROADS—EQUIPMENT AND SUPPLIES

[illegible]

GERMANY, WEST—[illegible]—POLITICAL ACTIVITIES

[illegible]

GERMANY, WEST—[illegible], THEATER

[illegible]

GERMINATION

[illegible]

[illegible]

[illegible]

[illegible]

GHANA—POLITICS AND GOVERNMENT

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

GIRDERS see Beams and girders

GISSAR RANGE REGION—GEOLOGY, STRATIGRAPHIC

[illegible]

GLACIAL EPOCH
(see also subdivision under Europe)

[illegible]

GLACIERS
(see also subdivision under Malaya Almaatinka Valley)

"Glaciers, firns and avalanches in the Soviet Union" by G. K. Tushinskii. Reviewed by [illegible]. [illegible] no.3:[illegible] My-Je '64.

[illegible]

GLASGOW—TUNNELS

Use of plastics in the construction of tunnels. [illegible]

GLASS

Strength of sheet glass and the size factor. [illegible] Fiz. tver. tela 6 no.4:1000-1005 Ap '64.

GLASS—MAGNETIC PROPERTIES

Magnetic properties of glasses with admixtures of manganese, cobalt, and nickel. D. I. Volkov, [illegible] A. Zelentsova. Fiz. tver. tela 6 no.4:[illegible] Ap '64.

GLASS, CELLULAR

[illegible]

GLASS CONSTRUCTION

Glass with reinforced concrete at Moscow construction projects. [illegible] Stroi. i arkhit. Mosk. 13 no.5:[illegible] My '64.

[illegible]

GLASS CONTAINERS

[illegible]

GLASS CUTTING—EQUIPMENT AND SUPPLIES

[illegible]

GLASS FIBERS

[illegible]

High strength and structure of glass fibers. [illegible] Fiz. tver. tela 6 no.4:[illegible] Ap '64.

GLASS MANUFACTURE see subdivision under Armenia

GLASS REINFORCED PLASTICS

[illegible]

[illegible] Plast. massy no.1:[illegible] '64.

Method for determining the expenditures of raw materials in the production of glass reinforced plastics and the character of their change in varying the composition of their constituents. V. N. [illegible]. Trudy LIEI no.49:[illegible] '64.

GLASS REINFORCED PLASTICS—TESTING

Effect of the thermochemical treatment of glass fibers on the temporary dependence of the strength of polyester glass plastics under air and sea water conditions. V. A. [illegible], I. A. [illegible], N. L. [illegible]. Plast. massy no.1:[illegible] '64.

Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Stress-rupture strength and creep of glass-reinforced plastics for use as shipbuilding material] Dlitel'naia prochnost' i polzuchest' stekloplastikov kak sudostroitel'nykh materialov. Leningrad, Izd-vo "Morskoi transport," 1963. 92 p. (Its Trudy, no. 53)

[illegible]

GLIDERS (AERONAUTICS)

Gliders abroad. Kryl. rod. 15 no.6:[illegible] Je '64.

GLIDING AND SOARING

Long-distance soaring flight. M. Veretennikov. Kryl. rod. 15 no.6:[illegible] Je '64.

GLOBULIN

[illegible]

GLUCOSE

Effect of different quantities of glucose on [illegible] formation by [illegible]. Trudy [illegible]

Glycemic reactions in foals during intravenous administration of glucose. [illegible] Trudy [illegible] no.3:[illegible] '62.

Inhibition of induced amylase synthesis in Aspergillus oryzae by glucose (with summary in English). A. S. Tikhomirova, A. K. Kulikova. Mikrobiologiia 32 no.4:577-581 Jl-Ag '63.

[with summary in English] M M. Levitov, A.N. Meshkov. Mikrobiologiia 32 no.4.717-722 Jl-Ag '63.

GLUCOSE—THERAPEUTIC USE

Carbohydrate metabolism and glucose therapy during pneumonia in calves. M I Nemchenko Trudy Smol NIVS no 2;103-110 '62

GLUE

Method of determining the stickiness of glue. B.N. Shakhvel'dian Poligrafiia no.2·23-25 F '64.

Polyacrylamide binding glue. B I.Berezin and others. Poligrafiia no.2;21-22 F '64.

GLUING

Gluing wood with polyvinyl acetate emulsion. S.N. Zigel'boim. Der.prom. 13 no.6;3-5 Je '64.

Optimal conditions for gluing parquet boards with heating in a high-frequency electric field. L.A Ponomareva. Der.prom. 13 no.6.9-10 Je '64.

Using ultrasonics in wood gluing G.B.Inozemtsev. Bum.i der.prom no.1 26-28 Ja-Mr '64.

GLUING—SAFETY MEASURES

Zverev, A.G [Safety manual for workers engaged in gluing linoleum and plastic materials] Pamiatka po tekhnike bezopasnosti dlia rabochikh, zaniatykh nakleikoi linoleuma i plastikov. Moskva, Stroiizdat, 1964. 21 p. (Tekhnika *bezopasnosti v stroitel'stve)*

GLUTEN

Stimulating action of an electric field on the quality of gluten [with summaries in English, German, and French]. A.M.Basov, V.N.Shmigel', T.A Peregudova. Vest. sel'khoz.nauki 8 no.9;84-87 S '63

GLYCINE

Intensity variation of Bragg's reflexes at the Curie point in triglycine selenate. N.N Sirota, V.M Vaiikash, E.A Ovseichuk Dokl.AN BSSR 8 no 4 220-222 Ap '64.

GLYCINE CRYSTALS—DEFECTS

Methodology of simultaneous selective etching of domains and dislocations and their identification in triglycine sulfate crystals. V A.Meleshina Kristalografiia 9 no.3;381-387 My-Je '64.

GLYCOGEN

Cytochemical examination of the glycogen of the central nervous system of frogs after gamma irradiation [with summary in English]. A. L.Shabadash, S.O.Enenko, L.V.Orlova. Arkh anat., gist i embr. 44 no.5:26-36 My '63.

GLYCOGEN IN THE BODY

Characteristics and differences of glycogen loss by leucocytes after X-ray irradiation of the blood in vitro and in the body. IU.B.Kheifets, A.L.Shabadash. Vop. radiobiol.[AN Arm.SSR] 3/4;235-240 '63.

Effect of the chronic injection of strontium-90 on the sugar content of blood and glycogen in liver. A V. Fedorova, A.A.Mirzoian. Vop radiobiol.[AN Arm. SSR] 3/4;121-125 '63.

Histochemical study of glycogen in the heart muscles of sheep in ontogeny. O.I.Berdongarova. Izv.AN Kazakh. SSR.Ser.biol.nauk 2 no.1;82-88 Ja-F '64.

GLYCOLIC ACID

Substituted hydrazides of hydroxycarboxylic acids. *Part 14: Acyl derivatives of basic nature of phenyl*hydrazides of diaryl- and dialkyl glycolic acids. I.S. Berdinskii. Zhur.ob khim. 34 no.3·762-767 Mr '64

GLYCOLS

Diphosphonic glycols, diphosphonic diamines and some of their reactions. A.N.Pudovik, G.I.Evstaf'ev. Zhur.ob.khim. 34 no.3·890-892 Mr '64.

Glycol ethers and their derivatives. Part 69: Synthesis of alkoxymethyl ethers of N-substituted ethanolamines. Shamkhal Mamedov, A.K.Arabov. Zhur.ob.khim. 34 no.3;772-776 Mr '64.

Reaction of triethylsilane with diacetylenic glycols. I M Gverdtsiteli, T P.Doksopulo Soob.AN Gruz SSR 30 no.3.289-296 Mr '63.

Reactions of addition of alkyleneglycolophosphorous and phosphorothioic acids. A.N.Pudovik, G.A.Golitsyna. Zhur.ob.khim. 34 no.3.876-881 Mr '64.

Synthesis of polyalkylene glycol dithiophosphates and *some of their addition* reactions. A.N.Pudovik, R.A. Cherkasov. Vysokom.soed. 6 no.4;741-744 Ap '64.

GLYCOLYSIS

Some qualitative characteristics of energy metabolism in the cells of Ehrlich ascites carcinoma. M.F. Sitanitskaia, I.F.Seits. Vop.med.khim. 9 no.1.19-27 Ja-F '63.

GMELIN, SAMUEL GOTTLIEB, 1744-1774

Samuel Gottlieb Gmelin's voyage across the Caspian Sea to its eastern shore in 1773. K.I Shafranovskii. Trudy Turk.geog.ob-va no.1;131-226 '58

GNEISS see subdivision under Kendyktas Mountains

GOCHEV, GOCHO, d. 1944

Manolov, N. [With pure heart. Translated from the Bulgarian] S chistym serdtsem. Moskva, Voenizdat, 1964. 70 p

GOITER see subdivision under Tashkent Province, *White Russia*

GOITER—PREVENTION see subdivision under Ural Mountain region

GOLD

Isolation of gold and thallium from a complex mixture of elements by partition chromatography B.K. Preobrazhenskii, A V.Kaliamin, I.Mikhalcha. Radiokhimiia 6 no.1.111-112 '64.

GOLD ISOTOPES—SPECTRA

Search of the interference of resonance trapping of neutrons with potential capture at the 4.9 ev. resonance level for gold nuclei. D.Dorchoman and others. Zhur. eksp.i teor.fiz. 46 no.5;1578-1585 My '64

GOLD MINES AND MINING

TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii tsvetnoi metallurgii. [Gold mining industry in capitalist coun*tries, technical and economic survey]* Zolotodobyvaiushchaia promyshlennost' kapitalisticheskikh stran, tekhniko-ekonomicheskii obzor. Moskva, 1963. 337 p.

GOLD ORES

(see also subdivision under Azerbaijan; Caucasus)

Genetic types of hydrothermal gold ore deposits in the U.S.S.R. N.I.Borodaevskii. Zakonom.razm polezn. iskop. 7;376-378 '64.

GOLD STANDARD

Modern bourgeois economics in the "struggle with gold." V.Drozdov. Nauch.dokl.vys.shkoly; ekon.nauki 7 no.1;58-67 '64.

GOLDWATER, BARRY MORRIS, 1909-

Editorial comment. Nov vrem. 21 no 23 1-3 Je '64.

GOLODNAYA STEPPE—COTTON—IRRIGATION

Sprinkler irrigation of cotton on the "Pakhta-Aral" State Farm [with summaries in English, German, and French]. N.F.Bespalov. Vest.sel'khoz.nauki 8 no.9;103-109 S '63.

GOLODNAYA STEPPE—SPRINKLER IRRIGATION

Sprinkler irrigation of cotton on the "Pakhta-Aral" State Farm [with summaries in English, German, and French]. N.F.Bespalov. Vest.sel'khoz.nauki 8 no.9;103-109 S '63.

GOLODNAYA STEPPE—STATE FARMS

On a transformed land; a photo report. I.Karpukhin, V.Zunin. Sov.profsoiuzy 20 no.12;10-11 Je '64.

GOLODNAYA STEPPE—SUBSIDENCES (EARTH MOVEMENTS)

Karpov, P.M. [Subsidence phenomena in the virgin lands of the Golodnaya Steppe] Prosadochnye iavleniia na tselinnykh zemliakh Golodnoi *stepi. Tashkent, Izd-vo* "Nauka" Uzbekskoi SSR, 1964. 188 p. diagrs. *(insert)*

GOLOUSHEV, SERGEI SERGEEVICH, 1855-1920

Students of the St. Petersburg Medicosurgical Academy as participants of the revolutionary movement in the Urals. T.G.Polianskaia. Trudy Perm.gos.med.inst. 43;284-291 '63.

GOMEL'—CHILDREN—*MANAGEMENT*

Workdays of a former prosecutor I Shpadaruk. Sots zakon 41 no 3·85 Mr '64.

GONADOTROPINE—PHYSIOLOGICAL EFFECT

Dosage and rates of giving inactive PMS *in cattle fat*tening. G.G.Fedosenko. Vest.sel'khoz.nauki [Kazakh.] 7 no.4;92-100 Ap '64.

GONCHAR, OLEKSANDR TERENTIIOVICH, 1918-

Under the tune of "Tronka." N.Sergovantsev. Sov. profsoiuzy 20 no.13;47 Jl '64.

GONORRHEA

Some characteristics of the course of gonorrheal arthritis. L.V.Shevliakov, G G.Sedel'nikova. Vest derm i ven. 37 no 9.86-87 S '63.

GONOSTOMATIDAE see subdivision under Pacific Ocean

GOOSEFOOT

Anatomical and histological characteristics of the goosefoot Chenopodium anthelminticum. S.S.Liashenko. Farmatsev.zhur. 14 no.3;46-52 '59.

GÖRING, HERMANN, 1893-1946

Interrogation of Reichsmarschal Göring. Voen.-ist. zhur. 5 no.5.78-86 My '63

GOTEBORG, SWEDEN—CONCERTS

The Goteborg symphony. Gennadii Fish. Nov.vrem. 21 no 23;26-28 Je '64

Alyshanov. Izv.AN Azerb.SSR.Ser. no.1;57-65 '64.

GORBATOV, BORIS LEONT'EVICH, 1908-19

[Memories of Boris Gorbatov] Vospominani Gorbatove. Moskva, Sovetskii pisatel',

GOR'KII, MAKSIM, 1868-1936

Akademiia nauk SSSR. Institut mirovoi lite kii readings, 1961-1963; dramaturgy and th Gor'kovskie chteniia, 1961-1963; dramaturg Moskva, Izd-vo "Nauka," 1964. 313 p.

Motherhood and childhood in M.Gor'kii's "T Italy." V.A.Fabianskaia. Pratsi Od.un. rob. 146 no.4;57-66 '56.

Synonyms of the word "skazal" used by A.M. the direct speech of his personages. Pratsi Od.un.Zbir.stud.rob. 146 no.4;19

GORKIY—ART GALLERIES AND MUSEUMS

Gorki. Gosudarstvennyi khudozhestvennyi m [Gorkiy State Art Museum] Gor'kovskii gos khudozhestvennyi muzei. Moskva, Gos. iz izobraz. iskus., 1963. [8] p. 70 p. illus. vennye sokrovishcha muzeev RSFSR)

GORKIY—AUTOMOBILE INDUSTRY—ACCOU

Improve accounting for the auxiliary product S.Bushin. Bukhg.uchet 21 no.

GORKIY—AUTOMOBILE INDUSTRY—MANAG

Improving the organization of labor and wheels in a plant. I.Kiselev. Sots.trud '64.

GORKIY—AUTOMOBILE INDUSTRY WORKER

People of unexhaustible inventiveness Sov.profsoiuzy 20 no 11;14-15 Je '64.

GORKIY—BUILDING—TECHNOLOGICAL INNO

Experience becomes general property. 6 no.3;41-42 Mr '64.

GORKIY—COMMUNITY CENTERS

People of unexhaustible inventiveness Sov.profsoiuzy 20 no 11;14-15 Je '64

GORKIY—GROCERY TRADE—AUDITING AND

Service to the consumer is a common concern profsoiuzy 20 no.9;20-21 My '64.

GORKIY—MACHINE TOOLS—TECHNOLOGICA TIONS

Modernization of machine tools at the Gorkiy V.B.Surovozhin. mauch.-issl. inst.nauch.i tekh.inform. 33-34 Ap '64.

GORKIY—RESTAURANTS, LUNCHROOMS, E AUDITING AND INSPECTION

How is your dinner? Good! I.Mal'tsev. profsoiuzy 20 no.9;16-18 My '64

GORKIY—RETAIL TRADE—AUDITING AND IN

If you are entrusted ... N.Kotova. Sov.prof no.9;19-20 My '64.

GORKIY—SALMONELLA INFECTIONS

Infection from Salmonella oranienburg in districts of Grokiy. T.P.Khakhareva and oth Zhur.mikrobiol.,epid.i immun. 40 no.6;1 '63.

GORKIY—SERVICE INDUSTRIES—AUDITING AN TION

Service to the consumer is a common concern. profsoiuzy 20 no.9;20-21 My '64.

GORKIY—TRADE UNIONS

Controllers inspect routes. A.Fraiman. Sov. 20 no.9;22-23 My '64.

GORKIY—*TRANSPORTATION, AUTOMOTIVE*— AND INSPECTION

Controllers inspect routes. A.Fraiman. Sov. 20 no.9;22-23 My '64.

GORKIY PROVINCE—AGRICULTURAL ADMINIS

Trained labor force should be assigned for work lagging farms I.Shutov. Part.zhizn' no 10 My '64.

GORKIY PROVINCE—Q FEVER

Some data on the study of Q fever in Gorkiy and Province; *authors' abstract.* G.I.Grenn Zhur.mikrobiol.,epid.i immun. 40 no.5;99

GORKIY PROVINCE—RESTAURANTS, LUNCHRO ETC.—INVENTORIES

Follow-up of forensic accounting expertise. kov. Bukhg.uchet 21 no.2;50-51 F '64.

GORKIY RESERVOIR—BIRDS

Development of the bird population of Gorkiy Re E.M.Vorontsov, N A.Kiokhlova Ornitologiia *303-310 '63.*

[illegible]

GORNAYA SHORIYA REGION (KEMEROVO PROVINCE)—PHOSPHORITES

[illegible]

GORNO-ALTAI AUTONOMOUS PROVINCE—AGRICULTURAL MACHINERY

[illegible]

GORODISHCHE DISTRICT—[illegible]

[illegible]

GORODISHCHE DISTRICT—INDUSTRIAL MANAGEMENT

[illegible]

GRAAFIAN FOLLICLE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

GRAFTING

[illegible]

GRAIN

[illegible]

GRAIN—CLEANING

[illegible]

GRAIN—DISEASES AND PESTS

[illegible]

GRAIN—[illegible]

[illegible]

GRAIN—[illegible]

[illegible]

GRAIN—FERTILIZERS AND MANURES

[illegible] N.A. [illegible]

GRAIN—HARVESTING see subdivision under Stavropol Territory

GRAIN—MILLING see subdivision under White Russia

GRAIN—MOISTURE

[illegible]

GRAIN—TESTING see subdivision under Orenburg Province

GRAIN—TRANSPORTATION
(see also subdivision under Odessa Province)

[illegible]

GRAIN ELEVATORS see subdivision under Ukraine; Uzbekistan

GRAIN ELEVATORS—DESIGN AND CONSTRUCTION

[illegible]

GRAIN ELEVATORS—FIRES AND FIRE PREVENTION

[illegible]

GRAIN HANDLING—LABOR PRODUCTIVITY see subdivision under [illegible]

GRAIN HANDLING—SAFETY MEASURES

[illegible]

GRAIN HANDLING MACHINERY
(see also subdivision under [illegible], Kazakhstan, [illegible])

[illegible]

GRAIN HANDLING MACHINERY—EXHIBITIONS

[illegible]

GRAIN HANDLING MACHINERY—TECHNOLOGICAL INNOVATIONS

[illegible]

GRAIN TRADE
(see also subdivision under [illegible])

[illegible]

GRAIN TRADE—INFORMATION SERVICES

[illegible]

GRAMMAR, COMPARATIVE AND GENERAL—PHONOLOGY

[illegible] (Processes of phonematization [illegible] the length of speech sounds) [illegible] 1963. 43 p.

GRANARIES—DESIGN AND CONSTRUCTION

[illegible]

[illegible]

New chemical preparation for the disinfection [illegible]

GRANITE
(see also subdivision under Kazakhstan)

[illegible]

GRANULAR MATERIALS

Study of the loss of head in hydraulic conveying [illegible] material along horizontal pipes. [illegible] and others. [illegible] no.170:58-61 '63.

GRANULAR MATERIALS—DRYING

Infrared heating and drying of granular materials [illegible]

GRAPE JUICE—STERILIZATION

Storage of juices in tanks with [illegible] chilling. [illegible] no.4:11-12

GRAPE JUICE—STORAGE

Storage of juices in tanks without chilling. [illegible] no.4:11-12

GRAPES

Using a [illegible] in viticulture. V.V. [illegible] '64

GRAPES—DISEASE AND PEST RESISTANCE see subdivision under Moldavia

GRAPES—DISEASES AND PESTS
(see also subdivision under Moldavia)

[illegible]

GRAPES—FERTILIZERS AND MANURES see subdivision under Dnieper Valley

GRAPHITE see subdivision under Transbaikalia

GRAPTOLITES see subdivision under Taymyr P[illegible]

GRATSIANSKII, VLADIMIR PETROVICH, 1899?-

[illegible]

GRAVE, DMITRII ALEKSANDROVICH, 1863-1939

[illegible]

GRAVES' DISEASE

Malignant [illegible] '64.

GRAVIMETRY

[illegible]

[illegible] V.A. [illegible]

[illegible] with horizontal [illegible] suspension. V. A. [illegible] '63.

[illegible]

[illegible] of gravi[illegible] with horizontal elastic suspension. V. A. [illegible]

Problem of segregating a useful signal in the [illegible] '64

Use of gravimeters in measuring the acceleration of gravity in the air. [illegible] '63.

GRAVITATION

Gravitational and capillary waves on the surface [illegible] layer of a viscous gravitating liquid. [illegible] '64.

An ideal fluid whose gravitational field admits a [illegible] of motions. [illegible] '64.

GRAVITY

Relative determinations of the acceleration of gr[illegible] an elastically suspended pendulum. V. A. [illegible] '63.

GRAVITY—PHYSIOLOGICAL EFFECT

[illegible] of the vascular system of the cranial [illegible] the case of equivalent longitudinal gravitation [illegible] and others. [illegible] '64 along the vertical. [illegible], L.H.Il'vsikova, [illegible] AN SSSR no 5 590-599 '64.

GRAVITY PROSPECTING see subdivision under Caucasus, Northern

GREAT BRITAIN—CITIES AND TOWNS

Principal characteristics of the toponymy of British cities. V.D Belen'kaia. Mat.Otd.ucheb.geog Geog. ob-va SSSR no. 2;97-101 '63.

GREAT BRITAIN—COAL MINES AND MINING

Blasting operations in the coal industry in Great Britain V.L.Nevskii. Nauch.trudy Mosk.inst.radioelek.i gor elektromekh. no 47;120-131 '63

GREAT BRITAIN—COLONIES—AFRICA, SOUTH see Africa, South—British colonies

GREAT BRITAIN—COMMUNIST PARTY

The struggle for unity in the international communist movement Palm Datt Part zhizn' no 10 64-79 My '64

GREAT BRITAIN—COOPERATION

Pronin, S V ["Democratic socialism" and the problem of socialization through cooperatives in England] "Demokraticheskii sotsializm" i problema kooperativnoi sotsializatsii v Anglii Moskva, Izd-vo "Nauka," 1964. 204 p.

GREAT BRITAIN—FOREIGN RELATIONS—GERMANY

A new book on the history of international relations. M I. Mikhailov Nov. i noveish. ist. no. 2.161-162 '64.

GREAT BRITAIN—GAS, NATURAL

Gas industry abroad Gaz prom. 9 no 5 48-49 '64

GREAT BRITAIN—HISTORY

"The Fifteenth Century, 1399-1485. Oxford history of England, vol 6" by E. F. Jacob Reviewed by V. F. Semenov. Vop ist 39 no 6 188-191 Je '64

GREAT BRITAIN—LABOR PARTY

The policy of the Labor Party today [with summary in English, p. 204]. George Matthews Nov i noveish ist no. 1;12-23 '64.

The struggle of the left-wing groups within the Labor Party for the establishment of the popular front in 1939 [with summary in English, p. 204]. N. F. Mochul'skii. Nov. i noveish. ist. no. 1;42-56 '64.

GREAT BRITAIN—MILITARY BASES, AMERICAN

Foreign bases in postwar Britain and the mass struggle against them [with summary in English, p 204]. A. N. Krasil'nikov. Nov. i noveish. ist. no. 1;24-41 '64

GREAT BRITAIN—MILITARY POLICY

Key or picklock? S Bogatov, I. Mashin Nov vrem 21 no 13 6-7 Mr '64

GREAT BRITAIN—NAMES, GEOGRAPHICAL

Principal characteristics of the toponymy of British cities. V. D. Belen'kaia Mat. Otd. ucheb. geog. Geog. ob-va SSSR no. 2;97-101 '63.

GREAT BRITAIN—POLITICS AND GOVERNMENT

British Government's Department for Commonwealth Relations and for the Colonies. Vl. Petrov. Mezhdunar. zhizn' 11 no. 6 146-147 Je '64.

Matveev, V. A., and V. A. Ryzhikov. [Where is John Bull going, present-day England as seen by Soviet newsmen] Kuda idet Dzhon Bul'; Angliia nashikh dnei glazami sovetskikh zhurnalistov. Moskva, IMO, 1964. 302 p.

GREAT BRITAIN—SOCIALISM

Pronin, S. V. ["Democratic socialism" and the problem of socialization through cooperatives in England] "Demokraticheskii sotsializm" i problema kooperativnoi sotsializatsii v Anglii. Moskva, Izd-vo "Nauka," 1964. 204 p.

GREAT BRITAIN—WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

The beginning of the Second World War [with summary in English, p. 205]. I. M. Maiskii. Nov. i noveish. ist. no. 1;89-105 '64.

GREECE—FOREIGN RELATIONS—RUSSIA

Greek Independence Day Nov. vrem 21 no. 13·18 Mr '64

GREECE—HOLIDAYS

Greek Independence Day Nov. vrem. 21 no 13·18 Mr '64

GREEK LANGUAGE—STYLE

Lexicon of satiric dramas by Aeschylus; on the style characteristics of this genre V. N. IArkho. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 6;499-511 N-D '63.

GREEK SATIRE see Satire, Greek

GREENHOUSE MANAGEMENT

Machine spreads hothouses. E. Salimov. Izobr. i rats. no. 6.8 '64.

fishing banks. [illegible]
PINRO no. 4;31-33 '62.

GREENLAND SEA—OCEAN BOTTOM

Relief and bottom deposits of the western Greenland fishing banks V D Rvachev Nauch.-tekh biul. PINRO no. 4·31-33 '62

GREENLAND SEA—TEMPERATURE

Soviet oceanographic research in the Norwegian and Greenland Seas in June 1962. V I Fakhorukov, L R Shmarina, V. V. Penin. Nauch.-tekh. biul. PINRO no 4;41-43 '62.

GRENADES see subdivision under United States

GRENADIERS (FISH)

Specific identity of Nematonurus longifilis (Gunther, 1877) and N. clarki (Jordan et Gilbert, 1898) and some notes on age variability in Macruridae (Pisces). V. M. Makushok. Trudy Inst. okean. 73;139-162 '64.

GRIAZNOV, NIKOLAI IVANOVICH, 1876-1952

N. I Griaznov, pioneer in vitaminology in the Urals. E. D. Petriaev. Trudy Perm. gos. med. inst. 43.203-206 '63.

GRIBOEDOV, ALEKSANDR SERGEEVICH, 1795-1829

Popova, O. I. [Griboedov, the diplomat] Griboedov - diplomat. Moskva, IMO, 1964. 217 p.

GRINDING AND POLISHING

Polishing spherical surfaces on a cylindrical grinding machine G. Romanovich, V Kolesnikov. Tekh. v sel'khoz. 24 no 3;83 Mr '64.

Shkol'nik, L. M., and V. I. Shakhov. [Technology and equipment for hardening and finishing parts by burnishing] Tekhnologiia i prisposobleniia dlia uprochneniia i otdelki detalei nakatyvaniem. Moskva, Mashinostroenie, 1964. 183 p.

Vibration finishing of parts of motor vehicles. S. I. Kozhinskii. Avt. prom. 30 no. 3:44-46 Mr '64.

GRINDING MACHINES

Automatic line for grinding boards. D. I. Kaufman, S. O. Feigel'man. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst nauch. i tekh. inform. 17 no. 5 44-45 My '64.

Equipment for grinding varnish coatings of board parts. D. I. Kaufman. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:15-46 My '64.

Machine for lapping crankcase cover plates. A. A. Prokopchuk. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2;36-37 '64.

Semiautomatic machine for grinding and polishing flat surfaces. F. I. Sal'nikov Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5.36-37 My '64.

The 3A150 semiautomatic high-precision circular grinding machine. U. M. Postonek. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4.30-31 Ap '64.

The VS-100 automatic machine for superfinishing bevel rollers. E. M. Gil'dinson. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2;33-34 '64.

GRINDING WHEELS

Calculating the profile of a disk-shaped grinding wheel for relieving form cutters. F. S. Dikhtiar'. Vest. mashinostr 44 no. 5;62-66 My '64.

Sharpening woodcutting instruments with diamond wheels. F. A. Shvyrev. Der. prom. 13 no. 6:28 Je '64.

GRISEOFULVIN

Experience with the use of griseofulvin for patients with dermatomycosis of the scalp in a pediatric dermatological hospital. E. V Nechaeva-Pugacheva, A. V. Sizova. Vest. derm. i ven. 37 no. 9;81-82 S '63.

Griseofulvin therapy of dermatomycosis. S. S. Arutiunova. Vest. derm. i ven. 37 no. 9:83-85 S '63.

Technique of determining griseofulvin in the skin and hair [with summary in English] Z. G. Stepanishcheva, V E. Ziserman Vest. derm. i ven 37 no 9.26-28 S '63.

GROCERY TRADE

Recommendations for the mechanization of lifting and transportation work in grocery stores. Sov. torg. 37 no. 1;53-60 Ja '64.

GROCERY TRADE—ACCOUNTING see subdivision under Kiev

GROCERY TRADE—AUDITING AND INSPECTION see subdivision under Gorkiy

GROIN—SURGERY

Surgical treatment of indirect inguinal hernia by Kukudzhanov's method. K. S. Takuev. Sov. med. 27 no. 10;32-35 O '63.

GROMASHEVSKII, LEV VASIL'EVICH, 1887-

Lev Vasil'evich Gromashevskii, outstanding Soviet epidemiologist; on his 75th birthday. IU. E. Birkovskii, IA. L. Povolotskii. Zhur. mikrobiol., epid. i immun. 40 no. 6;141-144 Je '63.

[illegible]
P. Naghiniak, V. Stincheva Vest. stat. no
'64.

GROSSET, GUGO EDGAROVICH, 1903-

Gugo Edgarovich Grosset; on the occasion o
birthday. L. V. Kudriashov, N. A. Prozoro
Tronkovskii. Bot. zhur. 49 no. 2;298-300

GROUND-EFFECT MACHINES

Fields of efficient use of hydrofoil boats an
cushion vessels. V. M. Pashin. Sudostro
no. 5;6-9 My '64.

GROUPS, THEORY OF

Bicompact generated groups. V. I. Ushakov.
nauk 19 no. 1 179-182 Ja-F '64.

Cubature formulae on a four-dimensional sp
are invariant relative to the transformation
rotation groups. G N. Salikhov Izv AN Uz
fiz.-mat nauk 7 no 6 25-30 '63

Effective partial ordering of finitely presente
V. I. Frenkel'. Sib. mat. zhur. 5 no. 3;651-
'64.

Existence of subgroups in a finite unsolvable
IA. G. Berkovich. Izv. AN SSSR Ser. mat 2
583-606 My-Je '64.

Free polynilpotent groups. A. L. Shmel'kin I
Ser mat 28 no. 1·91-122 Ja-F '64

A function describing a sequence of filling su
electronic levels V. M. Klechkovskii Dok
no. 64;339-345 '63.

Group properties of the complex angular mo
V. S. Popov, E. I. Dolinskii. Zhur. eksp. i te
no. 5;1829-1841 My '64.

An ideal fluid whose gravitational field adm
of motions. E. A. Tagirov. Izv. vys. ucheb. z
no. 2;3-7 '64.

Isomorphisms of nilpotent products of nilp
M S. TSalenko Izv. AN SSSR. Ser mat 28
236 Ja-F '64.

Manifolds in categories. A. Kh. Livshits, M. S
E. G. Shul'geifer. Mat. sbor. 63 no. 4.573

Multiplicative group of a regular local field
group of operators. Z. I. Borevich. Izv. AN
mat. 28 no. 3;707-712 My-Je '64.

One-sided nilpotent semigroups. B. M. Shain.
nauk 19 no. 1;187-189 Ja-F '64

Some arithmetic properties of modular charac
p-solvable groups. A. V. Rukolaine. Izv. AN
Ser. mat. 28 no. 3;571-582 My-Je '64.

Some criteria of π-solvability and π-simplicity
groups. IA. G. Berkovich. Sib. mat. zhur. 5
403-409 My-Je '64.

Subsemigroup structure characteristics of c
nonperiodic groups. L. N. Shevrin. Sib. mat.
no. 3;671-678 My-Je '64.

Symmetrical partially projective spaces. V
A. S. Fedenko. Dokl. AN BSSR 8 no. 4
'64.

Symposium on Algebraic Groups and their Rep
A. A. Kirillov. Usp. mat. nauk 19 no. 1;245
'64.

GROUSE

(see also subdivision under Malmyzh Distric

Evaluation of the abundance of grouse by
occurrence. E. I. Korenberg, V I Kuznetsov,
logiia no 6;387-393 '63.

GROWTH

Mechanical vascular suture in a growing organi
Petrova. Khirurgiia 39 no. 8;108-113 Ag '6

GROWTH INHIBITING SUBSTANCES

Akademiia nauk SSSR. Sibirskoe otdelenie. Vo
Sibirskii biologicheskii institut. [Growth regu
and the growth of plants] Reguliatory rosta i r
rastenii. Moskva, Izd-vo "Nauka," 1964. 2

GROWTH PROMOTING SUBSTANCES

Akademiia nauk SSSR. Sibirskoe otdelenie. Vo
Sibirskii biologicheskii institut. [Growth regu
and the growth of plants] Reguliatory rosta i r
rastenii. Moskva, Izd-vo "Nauka," 1964. 2

Effect of growth stimulators and trace element
productivity of atmospheric nitrogen fixation
attenuated Azotobacter strains. E. K Karase
Dokl. TSKHA no. 84;274-279 '63.

Effect of some amino acids and the age of cultu
the synthesis of growth promoting substances
pathogens. R. M. Galachian. Izv. AN Arm. SS
nauki 16 no. 5;37-42 My '63.

Physiological activity of some thiourea derivati
their chemical structure. E. Karanov, G. Vas
Dokl. AN SSSR 156 no. 4;957-960 Je '64.

Use of new growth stimulants in floriculture. I.
Dobrovol'skii. Biul. Glav. bot. sada no. 51;52-

GROZNYY—PETROLEUM INDUSTRY

Scientific session in the Groznyy Petroleum Ins
G. I. Gorin, M. N. Smirnova. Geol. nefti i gaza
55-56 Mr '64.

sta 35 no 3 96 Mr '64

GUANIDINE

Structure of some derivatives of urea and guanidine. Part 1: Infrared spectra and structure of diureines and diguanyls of cyclohexanedione and phenanthrene quinone and their N-chloro derivatives D.F.Kutepov, S S Dubov, O.G.Strukov. Zhur strukt.khim. 5 no.2· 309-313 Mr-Ap '64.

GUDAUTA DISTRICT—HEPATITIS, INFECTIOUS

Study of the epidemiology of Botkin's disease in Gudauta District, Abkhaz A.S.S.R G.V.Khorova. Zhur. mikrobiol.,epid i immun. 40 no.6;22-25 Je '63.

GUGUNAVA, M.N.

Interdistrict quarantine inspector. T. Losaberidze. Zashch. rast. ot vred. i bol. 8 no. 10 49-50 O '63.

GUIDANCE SYSTEMS (ENGINEERING)

Korenov, G. V. [Introduction to the mechanics of a guided body] Vvedenie v mekhaniku upravliaemogo tela. Moskva, Izd-vo "Nauka," 1964. 568 p.

GUIDED MISSILE SHIPS

On an excellent rocket carrier V Grechukhin. Sov voin 46 no. 7.12-13 Ap '64

GUIDED MISSLES—GUIDANCE SYSTEMS

Automatic control of rocket weapons. A. Shatalov. Tekh. i vooruzh. no. 1;12-16 Ja '64.

GUINEA, PORTUGUESE—POLITICS AND GOVERNMENT

Victories over colonizers. K. Kovalenko. Mezhdunar. zhizn' 11 no. 6·113 Je '61.

GULLS see subdivision under Bering Sea; Kitay Island

GUMISTA VALLEY—CAVES

Formation conditions of karstic caves in the western Gumista Basin. Sh. IA. Kipiani. Trudy Inst. geog. AN Gruz. SSR 18:96-90 '63.

Geomorphological observations in the karstic caves of the western Gumista Basin. S. K. Tintilozov. Trudy Inst. geog. AN Gruz. SSR 10:113-115 '63

GUMISTA VALLEY—GEOMORPHOLOGY

Geomorphological observations in the karstic caves of the western Gumista Basin. S. K. Tintilozov. Trudy Inst. geog. AN Gruz. SSR 18:113-115 '63

GUMISTA VALLEY—KARST

Formation conditions of karstic caves in the western Gumista Basin. Sh. IA. Kipiani. Trudy Inst. geog. AN Gruz. SSR 18:96-98 '63.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNCHEN-CZHAM'IAN-SHADPA-DORCHZHE, 1649-1723

Khadalov, P. I., IAmpilov, L. Zh., and B. D. Dandaron. [Description of works by Gunchen-Czham'ian-Shadpa-Dorchzhe, 1649-1723] Opisanie sochinenii Gunchen-Czham'ian-Shadpa-Dorchzhe, 1649-1723. Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t, 1962. 143 p.

GUNITE

Lining workings with reinforced concrete rod bolting and gunite. V. I. Pozavin, IU. B. Gubonin. Gor. zhur. no. 5;34-36 My '64.

GUNPOWDER

Approximate methods in the theory of unsteady burning velocity of gunpowder. A G. Istratov, V. B. Librovich, B. V Novozhilov. PMTF no 3,139-144 My-Je '64.

Burning velocity of gunpowder under variable pressure. IA B Zel'dovich. PMTF no 3 126-138 My-Je '64

GURIA—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Maeotic stage in western Guria. D.P. Okromchedlidze, I. A. Metreveli. Trudy VNIGNI no. 38:214-220 '63.

GUR'YEV PROVINCE—HORSES

Development of Adayevka foals. A. Imangaliev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:86-92 Ap '64.

GUSEV, SERGEI IVANOVICH, 1874-1933

Kramarov, G. M. [A soldier of the Revolution; Sergei Ivanovich Gusev] Soldat revoliutsii; o Sergee Ivanoviche Guseve. Moskva, Politizdat, 1964. 91 p. (Geroi i podvigi)

GYNECOLOGY
(see also subdivision under Perm)

Nature of condyloma acuminatum of the penis [with summary in English]. A. L. Shabad. Vest. derm. i ven. 37 no. 9;53-56 S '63.

Use of pneumoperitoneum in gynecology. N. D. Selezneva, E. N. Moiseev. Vest. rent. i rad. 38 no. 6:64-65 N-D '63.

GYPSUM

High-strength gypsum. I. A. Perederii. Stroi. mat. 10 no. 3:29-30 Mr '64.

izd-ba, 1963. 70 p. [In Latvian]

Perederii, I. A. [Using high-strength gypsum in construction] Primenenie vysokoprochnogo gipsa v stroitel'stve. Kuibyshev n/Volge, Kuibyshevskii inzhenerno-stroit. in-t, 1963. 284 p. illus.

GYPSY MOTH
(see also subdivision under Polesye)

Development of the gypsy moth (Ocneria dispar L.) under laboratory conditions [with summary in English]. A. Z. Zlotin, A G. Treml'. Zool. zhur. 43 no. 2 287-290 '64

Effect of subfreezing temperatures on different populations of the brown-tail moth Euproctis chrysorrhoea L. and the gypsy moth Lymantria dispar L (Lepidoptera, Orgyidae). G. A Pantiukhov Ent oboz 43 no 1 94-101 '64

GYPSY MOTH—PARASITES see Parasites—Gypsy moth

GYROCOMPASS

Effect of the maneuvering of a vessel on the accuracy of the readings of the "Kurs" gyrocompass at high latitudes. M. Blinnikov. Mor. flot 24 no. 3;18-20 Mr '64

HADDOCK see subdivision under Atlantic Ocean, Barents Sea

HAFIZ, 14th cent.

Metrics of Hafiz Shirazi's gazels. Akrem Jafar. Uch. zap. Inst. vost. AN Azerb. SSR 4;53-63 '63.

HAFNIUM

Kinetics of the ion exchange sorption of zirconium and hafnium by the KU-2 cation exchanger I. V. Vinarov, A. N. Grinberg. Ukr. khim. zhur. 30 no 4 359-365 '64.

HAIR—DISEASES

Immediate and late results of the treatment of trichomycoses with epilin plaster. R. R. Akhmerova Vest. derm. i ven. 37 no 6;41-42 Je '63.

Late results of the treatment of patients with trichomycoses with 4% epilin plaster. V. E. Ziserman. Vest. derm. i ven. 37 no. 6;41 Je '63.

Late results of the use of epilin plaster in trichomycosis L. A. L'vov, R. N. Parladina. Vest. derm. i ven. 37 no. 6;43 Je '63.

Results of epilin plaster treatment in trichomycosis. N. P. Masenko. Vest. derm. i ven. 37 no. 6·43-44 Je '63.

Results of epilin treatment in trichomycosis. Z. N. Azhisantova, K. B. Trakhtenberg. Vest. derm. i ven 37 no. 6;44-45 Je '63.

Results of the treatment of trichomycosis with 4% epilin plaster. A. P. Chikov. Vest. derm. i ven. 37 no. 6·46-47 Je '63.

Technique of determining griseofulvin in the skin and hair [with summary in English] Z. G Stepanishcheva, V E Ziserman. Vest derm. i ven 37 no. 9 26-28 S '63

Treatment of trichomycosis with 4% epilin plaster. T. T. Tadzhibaev. Vest. derm i ven. 37 no. 6;45-46 Je '63.

HAIR, REMOVAL OF

Case of multiple cancer of the scalp following roentgenological epilation. R. V. Konevalov. Vop. onk. 8 no. 11·99-102 '62.

HALAN, JAROSLAV, 1902-1949

"Armed with fiery words" by K. M. Mlynchenko. Reviewed by S. M. Trofymuk. Ukr. ist. zhur. 8 no. 2: 138-139 Mr-Ap '64.

HALFBEAKS

Taxonomic position, geographical variability and distribution of the oceanic halfbeak Euleptorhamphus viridis (Van Hasselt) (Memirhamphidae, Pisces). N.V. Parin. Trudy Inst. okean. 73.185-203 '64.

HALIDES

Concerning a relationship in molecular refractions of gaseous and liquid inorganic substances. V. P. Spiridonov, V. M. Tatevskii. Vest. Mosk. un. Ser. 2: Khim. 19;30-32 Ja-F '64.

Formation of negative aluminum, gallium, indium, and thallium ions due to the capture of electrons by molecules of the halides of these elements. V. I. Khvostenko, A. Sh. Sultanov. Zhur. eksp. i teor. fiz. 46 no. 5; 1605-1607 My '64.

Mechanism of cationic polymerization in the presence of metal halides. E. B. Liudvig, A. R. Gantmakher, S. S. Medvedev. Dokl. AN SSSR 156 no. 5.1163-1166 Je '64.

HALL EFFECT

Analysis of the Hall effect in a moving plasma. A. V. Gubarev, V. I. Kovbasiuk. Teplofiz. vys. temp. 2 no. 2:156-159 Mr-Ap '64.

An [illegible]
B [illegible]
8 [illegible]

magnetic fields P Kh Musaev Izv AN Uz SSR Ser fiz -mat. nauk 7 no 6 80-85 '63

HALOGEN ORGANIC COMPOUNDS

Interaction of triphenyltin hydride with oxygen and some halogen-containing organic and inorganic compounds. A. E. Borisov, A. N. Abramova. Izv. AN SSSR. Ser. khim no. 5;844-848 My '64

HALOGENATION

Halogenation of heterocyclic amines. TS. I. Shakh. Farmatsev zhur 14 no. 4;28-31 '59.

HALOS (METEOROLOGY)

Apparatus for aureole measurement in the field. IU S. Liubovtseva Izv AN SSSR Ser geofiz no 5 794-799 My '64

HAND—DISEASES

Tonic positions of the hand in pyramidal insufficiency syndrome. I. I. Rusetskii, L. S. Rybakova. Zhur. nevr. i psikh. 63 no. 6;824-827 '63

HANSA TOWNS—COMMERCE—RUSSIA

The commerce between Russia and the Hansa towns in the evaluation of a West German scholar. A. L Khoroshkevich Vop. ist. 39 no. 6:204-205 Je '64

HARBORS—EQUIPMENT AND SUPPLIES

Using frogs for the intersection of crane and railroad tracks. IU. Stankov. Mor. flot 24 no. 3 11-13 Mr '64.

HARD FACING

Build-up welding of babbitt using an oxyacetylene torch. M. Z. Gamus, L. A. Briskin. Energomashinostroenie 10 no. 4;36-37 Ap '64.

Patskevich, I. R., ed. [Investigation and application of hard facing and build-up welding with a weaving arc] Issledovanie i primenenie vibrodugovoi naplavki. Moskva, Izd-vo "Mashinostroenie," 1964. 231 p

HARDBOARD
(see also subdivision under Tomsk)

Staining ground wood. M. TS. Kushnirskaia, L. L. Gleizerova. Der. prom. 13 no. 6·7-9 Je '64.

HARDNESS

Second conference on microhardness. N. N. Mozgova, M. G. Dobrovol'skaia. Geol. rud. mestorozh. 6 no. 2; 121-123 Mr-Ap '64.

HARDNESS—TESTING

TSaplin, V. A., and A. F. Bateievskii. [Equipment for the measurement of metal hardness] Pribory dlia izmereniia tverdosti metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p.

HARES

Protection of orchards from hares. V. V. Gruzdev. Zashch. rast. ot vred. i bol. 8 no. 10 42-11 O '63.

HARMINE

Use of the crystallooptic method in chemicolegal analysis of harmine, cocaine and salsoline. V. T. Pozdniakova. Farmatsev. zhur. 14 no. 4;39-44 '59.

HARMONIC ANALYSIS

Electromechanical harmonic analyzer. A. T. Vasilenko, IU N Denisov Prib i tekh eksp 8 no 6;78-81 N-D '63.

Harmonic polynomials and spherical functions in four-dimensional space. G. N. Salikhov. Izv. AN Uz. SSR. Ser fiz -mat. nauk 7 no 6 21-24 '63

Polynomial approximation of the characteristics of nonlinear elements. B.E.Petrov. Radiotekhnika 19 no.2 3-12 F '64.

Shortcomings of spectrum analysis by means of harmonic analyzers and ways for their elimination. D. V. Bazhenov. Akust. zhur. 10 no. 2·147-151 '64.

Structural and metric synthesis of plane hinged mechanisms by the harmonic analysis method. I.I.Kurbanov Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 2;37-40 '64.

HARMONIC FUNCTIONS

Functions represented in the form of a potential. I.N. Kartsivadze. Trudy Vych. tsentr. AN Gruz. SSR 4; 19-28 '64.

Solution of a boundary value problem for a biharmonic equation covering a half-plane with m elliptic holes. I. P. Matskevich. Dokl. AN BSSR 8 no. 4:209-212 Ap '64.

HARP SEAL see subdivision under Newfoundland

HARPACTICIDAE see subdivision under Black Sea

HARROWS
(see also subdivision under Virgin Territory)

Improve the design of toothed harrows. N. Fol'mer. Tekh. v sel'khoz. 24 no. 3,43 Mr '64.

HARVESTING

Every minute counts at harvest time. Sov. profsoiuzy 20 no. 13;9 Jl '64.

[illegible] Trakt i sel'khoz- [illegible] no 5 24-26 [illegible] '63

HATS

Grinberg, V. I., and N. IA. Zamorskaia. [Sew your own hats] Sheite sami golovnye ubory Moskva, Izd-vo "Legkaia industriia," 1964 223 p.
——— [Supplement] Prilozhenie. 10 patterns (Nos 2, 4, 6, 8 and 10 wanting)

HAVANA—DESCRIPTION

Gaidaenko, L. P. [Havana, Beirut] Gavana, Beirut. [Odessa] Knizhnoe izd-vo, 1963. 135 p.

HAWKS see subdivision under Aktyubinsk Province, Dnieper Valley

HAY—HARVESTING

Experimental determination of the aerodynamic resistance of hay and straw stacks. V I Savin Trakt. i sel'khozmash. no 5 29-31 My '64

Rajasaar, Georg, and Arved Tiigimae. [Mechanization of hay harvesting] Heinakoristustoode mehhaniseerimine. Tallinn, Eesti Riiklik Kirjastus, 1963. 77 p. [In Estonian]
(DNAL)

HAY—TRANSPORTATION

Mounted sweep rake. I Evdokimenko. Tekh. v sel'khoz. 24 no. 3,84-85 Mr '64

HAY AS FEED see subdivision under Ukraine

HAYDN, JOSEPH, 1732-1809

New information in Haydniana L Ginzburg. Sov. muz. 27 no 12 28-39 D '63.

HEAD—RADIOGRAPHY

X-ray indications of intraorbital and extraorbital tumors. V. N. Artiushkov. Vest. rent. rad. 38 no. 6·34-37 N-D '63.

HEAD—TUMORS

X-ray indications of intraorbital and extraorbital tumors. V. N. Artiushkov. Vest. rent. i rad. 38 no. 6 34-37 N-D '63.

HEALTH EDUCATION see subdivision under Altai Territory, Kurakhovo (Donetsk Province)

HEALTH RESORTS, WATERING PLACES, ETC.
(see also subdivision under Georgia; Kiev region; Perm Province, Tashkent, Tskhaltubo; Turshsu, Azerbaijan)

Let's raise the organization of health resorts to an exemplary level Okhr truda i sots. strakh 7 no. 6. 6-8 Je '64

Rest in health resorts A. Shtyl'ko. Sov. profsoiuzy 20 no. 12,46-48 Je '64.

HEART

Comparative physiology of the tonus of higher segments of the brain V IA Katinas. Zhur. vys. nerv. deiat. 14 no. 2 318-325 Mr-Ap '64

Functional and structural changes in the central nervous system under the influence of nivaline. E. N. Popova, T. M. Mokhova Zhur. vys. nerv. deiat 14 no. 2 337-345 Mr-Ap '64.

Nature of morphological changes in the heart in severe burn disease. V. M. Pinchuk Vest. AMN SSSR 18 no. 10:36-42 '63.

HEART—DISEASES

Characteristics of the course of myocardial lesions in radiation sickness under conditions of transfusion of blood BK-8 and polyglucin [with summary in English]. IU. B. Kofanova. Med. rad. 8 no. 10:57-65 O '63.

Metabolism of myocardial substances in compensatory hyperfunction of the heart. Myocardial carbonic anhydrase activity in compensatory hyperfunction and hypertrophy of the heart. V. M. Rubel', M. P. Apanasiuk, F. Z. Meerson Vop. med. khim. 9 no. 1:57-60 Ja-F '63.

Temporary synchronization during the stimulation of cardiac activity. A. M. L'vov. Nov. med. tekh. no. 5: 68-71 '61.

HEART—INNERVATION

Experimental reflexogenic hypertension of cardiac origin. D L. Dligach, Z S Dolgun, B S Kulaev. Kardiologiia 3 no 6 3-10 N-D '63.

HEART—MUSCLE

Histochemical study of glycogen in the heart muscles of sheep in ontogeny. O. I. Berdongarova. Izv. AN Kazakh. SSR. Ser. biol. nauk 2 no. 1·82-88 Ja-F '64.

Indices of the functional state of the myocardium in hypertension I N Bronovets Kardiologiia 3 no 6· 15-20 N-D '63

Reaction of the cardiovascular system to the administration of contrast medium into the cavity and myocardium of the left heart ventricle [with summary in English]. A. M Akhmetov, L S. Rubetskoi Eksp khir. i anest 8 no. 5 13-15 S-O '63

Reactions of the myocardium in hypertension ... 3 no 6 31-35 N-D '63

HEART—SOUNDS

Changes in the heart in disorders of electrolyte balance, clinical and electrocardiographic observation H M Konchalovskaia, A O Saltanov, T A Masich Kardiologiia 3 no 6 54-59 N-D '63

Indices of the functional state of the myocardium in hypertension I N Bronovets Kardiologiia 3 no 6 15-20 N-D '63

HEART—SURGERY

Complications following experimental surgery using artificial blood circulation [with summary in English] V S Gutkin Eksp khir i anest 8 no 5 87-90 S-O '63

Electrical activity of the brain during open heart surgery under moderate hypothermia [with summary in English]. V A. Mikhailovich Eksp khir i anest 8 no 5·66-71 S-O '63

HEART FAILURE

Intermittent disorders of intraventricular conductivity L I Mosin Kardiologiia 3 no 6 73-75 N-D '63

Reciprocal transitions of intermittent block of the left pedicle of the bundle of His and nodal rhythm in a patient with rheumocarditis V G Bochorishvili Kardiologiia 3 no. 6 79-82 N-D '63

HEAT—CONDUCTION

Heat conduction and moisture exchange in a turbulent atmosphere in the case of phase transitions of moisture. S. S. Zilitinkevich, D. L Laikhtman. Dokl. AN SSSR 156 no. 5:1079-1082 Je '64

Measuring the heat conductivity of metals at high temperatures. Part 2: Methodology of heat conductivity measurements. L. P. Filippov, IU. N. Simonova. Teplofiz. vys. temp. 2 no. 2 188-191 Mr-Ap '64.

Mechanism underlying radiative heat conductivity. G. S Golitsyn Izv AN SSSR. Ser geofiz. no 5 782-786 My '64

Methods for complex continuous determination of the thermophysical coefficients of laminated and monolithic materials. V. V. Vlasov, M. V. Kulakov. Trudy MIKHM 25·237-255 '63.

Nonstationary theory of thermal explosions. V. V. Barzykin and others PMTF no 3·118-125 My-Je '64.

HEAT—PHYSIOLOGICAL EFFECT

Activity of adenosinetriphosphatase in the mitochondrias of different chick organs and its changes under the influence of heat treatment. A. A. Simonian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:21-24 Ap '64.

Effect of a prolonged action of high temperature on simultaneous complex conditioned reflexes in dogs. L. M. Sidorova. Zhur. vys. nerv. deiat. 14 no. 1:56-60 Ja-F '64.

Effect of caffeine and bromine on the morphological composition of the blood in hyperthermia of the organism. T. IU. IUldasheva. Trudy Inst. kraev. ekspor. med. no. 5·194-202 '63.

HEAT—RADIATION AND ABSORPTION

Cooling by radiation of a gas flowing past a flat plate. A F. Kurbatskii, A T Onufriev PMTF no 3:69-72 My-Je '64

Determining the coefficient of absorption of the heat radiation of bodies and articles by temporary characteristics. I. M. Maslennikov. Trudy MIKHM 25:231-236 '63.

Laminar boundary layer in an emitting and absorbing gas near a flat plate V. P Zamuraev PMTF no. 3 73-80 My-Je '64.

Osipova, V. A. [Experimental study of heat-exchange processes] Eksperimental'noe issledovanie protsessov teploobmena. Pod red. M. P. Vukalovicha. Moskva, Izd-vo "Energiia," 1964. 327 p.

Temperature state of a semitransparent spherical shell. V S. Zarubin. PMTF no 3:175-176 My-Je '64

HEAT—TRANSMISSION

Analyzing the external coefficient of heat transfer by the corrugated surface of diesel locomotive coolers. M. G. Makhan'ko, A. P. Tret'iakov, Z. I. Kravets. Trudy MIIT no. 169:81-92 '63.

Approximate solution of a nonlinear nonstationary problem of the heat and mass transfer for a semibounded porous body. K. K. Vasilevskii. Teplofiz. vys. temp. 2 no. 2,260-266 Mr-Ap '64.

Calculating the heat exchange in mazut-operated marine boiler fireboxes. N. I. Pushkin, D. I. Volkov. Sudostroenie 30 no. 5:29-30 My '64.

Condensation of steam from a steam-gas mixture Zh F. Sergazin. Trudy MEI no. 48:75-84 '63.

Contents of the international journal "Heat and mass transfer", Vol. 7, no. 2, February 1964. Inzh.-fiz. zhur. 7 no 5 125-127 My '64.

Effect of interface movement in capillary-porous and colloidbodies on heat and mass transfer process during the sublimation of ice in a vacuum. K. B. Gisina, R. I. Shofer. Inzh.-fiz. zhur. 7 no. 6:34-38 My '64.

Experimental study of heat exchange dur from laminar flow of a film to wave mot Ratiani, I G Shekriladze Teploenerge 78-80 Mr '64.

Heat transfer and diffusion in a partially temperature plasma G S Bishnovatyi-I no 3 43-51 My-Je '64

Heat transfer at high Prandtl numbers of plane immersed in a volume of rotating Kholpanov Inzh.-fiz. zhur. 7 no 5 85-

Heat transfer through a well wall. [illegible] prom delo no. 5: 42-44 '63.

Heat transfer to a turbulent flow of argon at high temperature heads and high wall V. L Lel'chuk, G. I. Elfimov. Teplofiz. v no. 2:243-249 Mr-Ap '64.

Intensity of heat transfer between a fluidiz immersed body at high temperatures. N ko, K. E. Makhorin. Inzh.-fiz. zhur 7 My '64.

Investigating heat and mass transfer in the sublimation drying of liquid materials. A M. V. Podol'skii. Inzh.-fiz. zhur. 7 no. '64.

Investigating temperature distributions dur operation from solid state in a vacuum. E Inzh.-fiz zhur. 7 no. 5 34-38 My '64.

Measurement of temperature in materials th esses. IU. N. Shishmakov and others [illegible] 11 no 2:93-94 Mr '64

Measurement of the heat flow in the working bakery ovens. I. M. Verzhbitskaia, [illegible] 7 no. 12:6-8 D '64.

Nomograms for determining the coefficient release during the laminar flow of water N. D. Krishtal'. Sudostroenie 30 no. 5:32

Problem concerning the mathematical simul thermochemical processes accompanied by phi formations M. I. [illegible], V. A Gusev no. 48 7-14 '63.

Simulation methods in the investigation of th and heat conductivity of gases and porous [illegible], A. G. Usmanov. Izv. vys. ucheb. z gaz 7 no. 3:79-80 '64.

Study of heat transfer during boiling in vertic T. A. Kolach, IU G Vvedenskii Trudy MI 86 '63

Tensor of viscous stresses and the heat flow temperature partially ionized gas. M. IA. V. M. Zhdanov, V. A. Polianskii PMTF n My-Je '64

Terminal effect and steady temperature distr plate heated in a motion with finite length gin. Teploenergetika 11 no 3:88-91 Mr '6

Tret'iakov, A. V., A. V. Grachev, and P. T. O [Temperature conditions in the operation of rolls] Temperaturnyi rezhim raboty valkov stanov. Moskva, Izd-vo "Metallurgiia," 19

Use of spheroidal coordinates in the solutio spatial problems in the theory of thermal tivity. N. E. Lysov. Trudy MEI no 39:91-

HEAT—TRANSMISSION—BIBLIOGRAPHY see liography—Heat—Transmission

HEAT CAPACITY

Effect of the accuracy of the initial entropy va error in calculating the high temperature he ties of solids. N. A. Landiia, [illegible] Soob. AN Gruz. SSR 30 no 3 [illegible] Mr '6

Evaluation of a random error of a thermophysi ment. V B. Zenkevich. Trudy MEI no. 48

HEAT CONTENT see Enthalpy

HEAT ENGINEERING

For an efficient utilization of steam. Sakh pr no. 4:63-64 Ap '64.

Teplotekhnicheskaia konferentsiia molodykh is lei, 2d, 1963. [Transactions of the Second] neering Conference of Young Research Work Kiev, Izd-vo Akad. nauk USSR, 1963. 278 p.

Vsesoiuznyi zaochnyi stroitel'nyi tekhnikum. neering and heat engineering equipment in pl ducing building materials] Teplotekhnika i te cheskoe oborudovanie zavodov promyshlennos nykh materialov; uchebnoe posobie dlia uchas zaochnikov. Moskva,
[Pt.] 4. [Heat processing (roasting, sme ing, and steaming) of materials and pr the heating apparatus] Teplovaia obra (obzhig, rasplavlenie, varka i proparh terialov i izdelii i teplovye ustanovki. 68 p.

[MICROFILM]

HEAT ENGINEERING—CONGRESSES

All-Union Conference on Heat Transfer and Hy Resistance in a Two-phase Flow Through Uni Power Generating Machines and Apparatus. Zhukov. Teplofiz. vys. temp. 2 no. 2:303-30 '64.

[illegible]

HEAT EXCHANGERS

[illegible]

[illegible]

[illegible]

Osipova, V. A. [Experimental study of heat exchange processes] Eksperimental'noe issledovanie protsessov teploobmena. Red. M. P. Vukalovich. Moskva, Izd-vo "Energiia," 1964. [illegible] p.

[illegible]

[illegible]

[illegible]

[illegible]

HEAT EXCHANGERS — FLUID DYNAMICS

[illegible]

HEAT OF ABSORPTION

[illegible]

HEAT OF FORMATION

[illegible]

HEAT OF FUSION

[illegible]

HEAT RESISTANT ALLOYS

[illegible]

HEAT TREATING FURNACES see Furnaces, Heat treating

HEATING

[illegible]

HEATING FROM CENTRAL STATIONS

[illegible]

[illegible] Kazan, 1963. [illegible] p.
[MICROFILM]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] by the heating method. V. S. [illegible] no.2 [illegible] '64.

HEBREW LANGUAGE — CASE

Origin of the locative case in the Hebrew and Aramaic languages. K. G. Tsereteli. [illegible]

HELICOPHYLLUM see subdivision under Karakum

HELICOPTERS — DESIGN AND CONSTRUCTION

Izakson, A. M. [Soviet helicopter industry] Sovetskoe vertoletostroenie. Moskva, Mashinostroenie, 1964. 310 p.

HELIUM

[illegible] helium [illegible] interactions [illegible] no.5 [illegible] '64.

Solubility of mixtures of helium and methane in water at high pressures. [illegible], M. M. Bondareva. [illegible]

HELIUM — THERMAL PROPERTIES

[illegible] of solid He³. [illegible] '64.

HELSINKI — [illegible]

[illegible, Helsinki] [illegible], Helsinki. Tallinn, [illegible], 1964. 104 p. (Chiefly illus.)

HEMAGGLUTININ

[illegible]

HEMATIN

[illegible]

HEMATOLOGY

Zakstel'skii, I. D., and [illegible] Vasil'eva. [Fluorescence microscopy in clinical hematological studies] Fliuorestsentnaia mikroskopiia v klinike gematologicheskikh issledovanii. Leningrad, Meditsina, 1965. 80 p.
(DNLM)

HEMATOXYLIN

[illegible]

HEMATURIA

[illegible]

HEMOLYSIS AND HEMOLYSINS

[illegible]

[illegible]

[illegible]

HEMOLYTIC ANEMIA

[illegible]

HEMOPHILIA

[illegible]

HEMOPOIETIC SYSTEM

Localization of the [illegible] in [illegible]. [illegible], A. I. [illegible]. Lab. delo no.3:[illegible] '64.

Effect of [illegible] radioactive phosphorus doses on hemopoietic processes under normal conditions and in experimental anemia in rabbits. A. N. Nikitina-Skalat[illegible]. [illegible] 110 no.4:[illegible]

HEMORRHAGE

[illegible] Khirurgiia [illegible]

[illegible]. A. P. Kachkov, I. D. Kasurskii. Sov. med. 27 no.10:109-111 O '63.

HEMORRHAGE, UTERINE

Detection of anovulatory cycles by means of some function tests. G. F. Khrustaleva. Akush. i gin. no.1:14-[illegible] '64.

[illegible] no.6:31-33 '64.

HEMP — DISEASES AND PESTS see [illegible] Kabardino-Balkar A.S.S.R.

HEMP PROCESSING MACHINERY

Analyzing the work of the [illegible]

HEPATITIS, INFECTIOUS

(see also subdivision under Dnepr[illegible] District; Ukraine, Zhitomir Provin[illegible]

Bluger, A. F. [Structure and funct[illegible] epidemic hepatitis] Struktura i fun[illegible] epidemicheskom gepatite. Riga, [illegible] Latviiskoi SSR, 1964. 390 p.
(DNLM)

Botkin's disease. L. Aleksandrova, [illegible] no.12:[illegible] '63.

[illegible] blood of children with epidemic hep[illegible]

Diagnostic significance of the [illegible] in Botkin's disease. [illegible] no.6:[illegible] Je '64.

Effectiveness of the [illegible]

Methodology for determining the act[illegible] phosphohexose isomerase (glucose[illegible] D. M. Bragilevich. Lab. delo no.[illegible]

[illegible] of phosphohexo[illegible] (glucosephosphate isomerase) in th[illegible] clinical significance of its evaluation [illegible] Lab. delo no.3:177-180 '64.

Significance of determining the activ[illegible] dehydrogenase in infectious hepatit[illegible] Lab. delo no.3:[illegible] '64.

[illegible]

Technique of performing the thymol [illegible] serum in epidemic hepatitis. [illegible] delo no.3:[illegible] '64.

HEPATOLENTICULAR DEGENERAT[illegible]

Antibodies in the blood in hepatolen[illegible] [illegible]

HEPTANAMIDE

[illegible] Ap '64.

HEPTANE

Catalytic transformations of n-hepta[illegible] [illegible] '64.

HERALDRY

[illegible]

HERBICIDES

(see also subdivision under Lithua[illegible]

[illegible]

Effect of [illegible] herbicides on the [illegible]

Experimental basis for the [illegible]

The GAN-[illegible] herbicide-ammonia mac[illegible] Zashch. rast. ot vred. i bol. 9 no.[illegible]

Herbicidal properties of diphenyleth[illegible] V. P. [illegible] UkSSR no.5:[illegible] '64.

Herbicides for grain fields. V. F. [illegible] ot vred. i bol. 9 no.5:34-35 '64.

New "Kroitin" herbicide. V. V. Dov[illegible] [illegible] 17 no.3:13-14 '64.

Reliable covering force. N. Gushchi[illegible] no.7:31 Ap '64.

Synthesis of herbicides. Part 12: Sy[illegible] herbicide properties of [illegible] Izv. AN Arm. SSR, Khim[illegible] 231-232 '64.

Using herbicides in sugar beet fields. [illegible] Khim. v sel'. khoz. 2 no.1:17-19 [illegible]

[illegible] methods for the use of herbicides. I. N [illegible] Zashch. rast. ot vred. i bol. 8 no.10 27-29 [illegible]

HEREDITY

Preservation through generations of the results of changed conditions in training the larvae of honey bees. I. Khalifman. Vest. sel'khoz. nauki 7 no.2: 107-116 F '64.

HERMAPHRODITISM

Two cases of ovarian disgerminoma. M. G. Trakhtenberg. Sov. med. 27 no 10 115-117 O '63

HERNIA

Surgical treatment of indirect inguinal hernia by Kukudzhanov's method. K. S. Takuev. Sov. med. 27 no. 10 32-35 O '63.

HERODOTUS

Authenticity of Herodot's information on Olbia. K. L. Grinevich. Vest. drev. ist. no. 1 105-110 '64.

HEROES

Heroes of the past war. P Derevianko. Voen.-ist. zhur. 6 no. 5:84-90 My '64.

HERPES—MICROBIOLOGY

Effect of cortisone on the course of herpetic keratitis in rabbits. N. N. Noskh. Vop. med. virus. no. 6,286-292 '59.

HERRING see subdivision under Azov, Sea of

HERRING FISHERIES see subdivision under Atlantic Ocean; White Sea

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

"Hertzen and Chernyshevskii" by I V. Porokh. Reviewed by N M Pirumova Vop. ist 39 no 6 146-148 Je '64

HERZEGOVINA—HISTORY—SOURCES

From the history of the attempted organization of an uprising in Herzegovina in 1872. V. N. Kondrat'eva. Uch. zap. Inst. slav. 28:143-164 '64.

HETEROCYCLIC COMPOUNDS

2-Iodomethyl-2-aryl-1,3-indandiones and their reaction with tertiary heterocyclic amines. R E. Valter, G. IA. Vanag. Zhur. ob khim. 34 no.3:808-812 Mr '64.

Polyamides with aromatic and heterocyclic links in the chain. Part 5: Polyamides based on bis-(4-aminocyclohexyl) methane and some heterocyclic dicarboxylic acids. V. P. Sarzhevskaia and others. Ukr. khim. zhur. 30 no. 1:83-86 '64.

Synthesis of some 4-(1, 2, 4-triazolyl), 2-(1-methyl-5-carbethoxythiazolyl), and 2-(6-methoxybenzothiazolyl) amides. A. L Mndzhoian and others. Izv. AN Arm. SSR. Khim. nauki 17 no. 2 204-211 '64.

HETEROSIS

Heterosis and its significance for the development of vegetable gardening. F. A. Tkachenko. Bot. zhur. 49 no. 2:280-286 F '64.

HEXADIENYNE

Advances in the chemistry of divinylacetylene S. A. Vartanian Usp khim 33 no 5 517-548 My '64.

HEXANE

Concerning the existence of solutropy in the system ethylenediamine - benzene - n-hexane. N. P. Markuzin, V. F. Plekhotkin. Zhur. fiz. khim. 36 no. 9:1973-1978 S '62.

Dielectric properties and molecular structure of acetone - n-hexane solutions. I. A Vakalov, M. I. Shakhparonov. Vest. Mosk. un. Ser. 2: Khim. 19 no. 2: 16-19 Mr-Ap '64.

Hydrogenolysis of cyclohexane with the formation of n-hexane at *atmospheric pressure*. *A. L.* Laberman, O. V. Bragin, B. A. Kazanskii. Dokl. AN SSSR 156 no. 5:1114-1117 Je '64.

HEXANEDIAMINE

Determination of the heat of melting of hexamethylenediamine. G. D. Efremova, A. V. Serebriakova. Zhur. ob. khim. 34 no. 3:1028-1029 Mr '64.

HEXANEDIOIC ACID

Dieckmann reaction. Part 12: *Cyclization of diethyl* esters of β-carbethoxy- and β,β-dicarbethoxyadipic acid. N. S. Vul'fson, V. I. Zaretskii. Zhur. ob. khim. 34 no. 3:828-832 Mr '64.

HEXOKINASES

Effect of fractional X-ray irradiation on the activity of hexokinase and aldolase in the cerebral and muscular *tissues of* rats. M. F. Siliaeva. Vestsi AN BSSR Ser. biial. nav. no. 1:101-106 '64.

HIBERNATION

Effect of hibernation on the growth of sarcoma heterotransplants in susliks. E. A. Finkel'shtein, Z. IA. Belogrudova. Vop. onk. 8 no. 9:32-36 '62.

(see also subdivision under Kazakhstan)

Kuznetsov, B. A., ed. [Manual on the purchasing of wool, peltry, fur and leather raw materials] Spravochnik po zakupkam shersti, pushniny, mekhovogo i khozhevennogo syr'ia. Moskva, 1964. 150 p.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH PRESSURE RESEARCH

Window for optical observations at high pressures G P Shakhovskoi, N A Tikhomirova Prib i tekh eksp 8 no 6 191 N-D '63

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS

Are individual pledges necessary? IU Vasil'ev Sov profsoiuzy 20 no 11 8-9 Je '64

HILBERT SPACE

Invariant subspaces of a linear operator and the divisors of its characteristic function. M. S. Brodskii, IU. L. Shmul'. Usp. mat. nauk 19 no. 1:143-149 Ja-F '64.

A limit theorem in Hilbert space. N. P. Kandelaki. Trudy Vych. tsentr. AN Gruz. SSR 4:217 '64.

HIP JOINT—BLOOD SUPPLY

Arteries in the flexor muscles of the hip joint in domestic animals A M Shiman Nauk pratsi Zootekh fak Kam.-Pod sil'hosp inst 5 56-59 '63

HIP JOINT—DISLOCATION

Use of ditilin in the reduction of hip dislocations. V. I. Ivanov. Sov. med. 27 no 10:129-131 O '63.

HISTAMINE

Comparative evaluation of the action of novoembichin, histamine and egg yolk on the development of experimental plague. V. N. Zil'fian, A. V. Norairian. Zhur. mikrobiol., epid. i immun. 40 no. 5:77-83 My '63.

HISTAMINE IN THE BODY

Effect of X-ray irradiation on the histamine content and histaminase activity of the blood and some tissues. A. V. Fedorova, A. A. Mirzoian. Vop. radiobiol. [AN Arm. SSR] 3/4:127-132 '63

HISTERIDAE see subdivision under China

HISTIDINE

Regulation of histidine splitting in a rat liver by thyroid hormones. K. N. Miasoedova. *Vop. med. khim.* 9 no. 1:95-96 Ja-F '63.

HISTOCHEMISTRY

Comparative chemical architectonic of functional protein groups of cortical nuclei of the cutaneous and motor *analysors in cats.* *L. M. Gershtein.* *Zhur. vys. nerv.* deiat. 14 no. 2:346-350 Mr-Ap '64.

Effect of chloroprene on the sulfhydryl compound content of tissues. V. G. Mkhitarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 5:39-49 My '62.

Histochemical studies on thiol groups of proteins in various structures of the visual analysor in rabbits and guinea pigs in ontogenesis. A. S. Chekunov. Zhur. vys. nerv. deiat. 14 no. 1:155-160 Ja-F '64.

HISTOLOGY

Bookshelf B A. Nikitiuk. Arkh. anat., gist. i embr 44 no. 4 127-128 Ap '63.

Characteristics of the neuronal structure and topography of the reticular formation in carnivora. G. P. Zhukova, T. A. Leontovich. Zhur. vys. nerv. deiat. 14 no. 1:129-147 Ja-F '64.

HISTOLOGY—HANDBOOKS, MANUALS, ETC.

Semenov, S. P., I. G. Urazov, and T. I. Entin. [Manual for practical work in general histology with elements of microscopic anatomy] Posobie k prakticheskim zaniatiiam po obshchei gistologii s elementami mikroskopicheskoi anatomii. [Leningrad] Izd-vo Leningr. univ., 1964. 87 p.

HISTORIANS

Information on authors of articles published in the present issue of "Voprosy istorii." Vop. ist. 39 no. 6:219 Je '64

HISTORICAL LIBRARIES

(see also subdivision under Moscow)

Twenty fifth anniversary of the State Public Historical Library. M. K. Starokadomskaia. Sov. bibl. no. 1: 80-89 '64.

HISTORICAL MUSEUMS

(see also subdivision under Ukraine; Uzbekistan)

Increasing the role of museums in the communist education of workers Part. zhizn' no. 11:28-29 Je '64.

HISTORICAL RESEARCH

(see also subdivision under Bashkiria; Europe, Eastern; Poznan, Poland; White Russia)

Brief news. Vest. Mosk. un. Ser. 9: Ist. 19 no. 3:79-80 My-Je '64.

Defense of doctoral dissertations. D. IA., D. B. Mel'tser. Nov. i noveish. ist. no. 1:194-196 '64.

Ukr. ist. zhur. 8 no. 2:156-157 Mr-Ap '64.

In the National Committee of the Historians of the Soviet Union I. A. Zhelenina. Vop. ist 39 no. 6:170-177 Je '64.

A meeting of the Council of the Historical Institute of the Academy of Sciences of the U. S. S. R. M. A. Rakhmatullin. Nov. i noveish. ist. no. 1:195-196 '64

Prokof'ev, V. A. [Among witnesses of the past] Sredi svidetelei proshlogo. [Moskva] Molodaia gvardiia, 1964 223 p

HISTORY

Brief notes. Vop. ist. 39 no. 6:173-175 Je '64.

Brief news. Vop. ist. 39 no 6 211-212 Je '64.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—DICTIONARIES

[Soviet historical encyclopedia] Sovetskaia istoricheskaia entsiklopediia. Glav. red. E. M. Zhukov. Moskva, Izd-vo "Sovetskaia entsiklopediia" (Entsiklopedii, *slovari, spravochniki*)

Vol. 5. Dvinsk - Indoneziia. 1964. 960 columns.

HISTORY—METHODOLOGY

Methodological problems of the historical science, report on a session of the Section of Social Sciences attached to the Presidium of the Academy of Sciences of the U. S. S. R. V. A. Kumanev. Nov. i noveish. ist. no. 2:175-179 '64.

Methodological research in the American bourgeois historiography, scanning the pages of American magazines. A. E Kunina. Nov. i noveish. ist. no. 2:132-139 '64.

Philosophy and history. M P. Gapochka, V A Kumanev Vop filos 18 no 5 138-146 '64

HISTORY—PERIODICALS

"Vestnik Moskovskogo universiteta" (Series 9 History) from 1961 to 1963. S. L. Dmitrenko Vop ist. 39 no. 6:126-129 Je '64.

HISTORY—PHILOSOPHY

Development of the Marxist theory of freedom and necessity in V. I. Lenin's works published in 1894-1907. E. I. Shekhterman. Uch. zap. Kazakh. un. 40:16-29 '59.

Problems of historical science in the works of K. Marx and F. Engels. N. E. Zastenkov. Vop. ist. 39 no 6. 3-26 Je '64.

Struggle of the old against the new as a law of materialist dialectic. P. I. Mitrofanov. Uch. zap. Kazakh. un. 40: 54-65 '59.

HISTORY—STUDY AND TEACHING

A conference of teachers of history in Ivano-Frankovsk. I. K. Vasiuta, A. V. Ivanchenko. Ukr. ist. zhur. 8 no. 2: 151-152 Mr-Ap '64.

Extracurricular work on history. M. S. Vasil'eva and others. Nach. shkola 32 no. 5:54-59 My '64.

Psychology of the assimilation of history by primary school students. I. V. Gitis. Nach. shkola 32 no. 5: 69-76 My '64.

A work on methods for teaching history in the schools for working youth. G. A. Chepurnyi. Ukr. ist. zhur. 8 no. 2:103-105 Mr-Ap '64.

HISTORY, ANCIENT

Annotations. Vest. drev. ist. no. 1:192-194 '64.

A letter to the editor. I. D'iakonov. Vest. drev. ist. no. 1:226 '64.

HISTORY, MODERN

"Modern history," Part 2, 1939-1962 by O. S. Heitts, V. I Rasputnis, T. G. Soltanovs'ka. Reviewed by I. E. Kertman. Nov. i noveish. ist. no. 2:146-149 '64.

HISTORY, MODERN—BIBLIOGRAPHY see Bibliography—History, Modern

HITTITE LANGUAGE—AFFIXES

The Proto-Hittite nominal affix to the indirect object. I. M. Dunaevskaia. Vest. drev. ist. no. 1:102-105 '64.

HITTITES

Characteristic features of the succession to the Hittite crown in the epoch of the Ancient Empire. G. I. Dovgialo. Vest. drev. ist. no. 1:23-34 '64

Struggle of the Hittites for northern Syria during the period of the Ancient Empire. G. G. Giorgadze. Vest. drev. ist. no. 1:3-22 '64.

HOISTING MACHINERY

Calculating the longevity of the parts of a hoisting mechanism in a device for *underground well repairing.* A. I. Vtiurin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 8: 97-98 '63.

Effect of characteristics of tire-pneumatic clutch on the turning on of draw-works hoisting shaft. V. I. Arkhangel'skii. Mash. i neft. obor. no. 8:13-16 '63.

Experience, initiative. Tekh. i vooruzh. no. 1:58, 62, 59-61 Ja '64.

Heat losses in operating pneumatic clutches in draw works. G. O. Sklovskii. Mash. i neft. obor. no. 8:17-22 '63.

[illegible]

[illegible]

HOLLAND see Netherlands

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

HOURS OF LABOR

[illegible] I.Tsigankov [illegible] 1142 [illegible]

HOUSEHOLD APPLIANCES, ELECTRIC

[illegible]

HOUSEHOLD APPLIANCES, ELECTRIC—MAINTENANCE AND REPAIR

[illegible], D.A., and IU.IA. [illegible]. [Repair of household electrical appliances; a handbook and manual] [illegible] Moskva, [illegible] 1964. 209 p.

HOUSEHOLD APPLIANCES, ELECTRIC—SAFETY MEASURES

[illegible]

HOUSING

[illegible]

[illegible], M.A. [Housing problem under capitalism and socialism] [illegible] pri kapitalizme i [illegible] Moskva, Politizdat, 1964. 130 p.

HOUSING—LAW AND LEGISLATION

[illegible] [Laws, statutes, etc.] [illegible] Kiev, [illegible] 1964 [illegible]

HOUSING FOR PHYSICALLY HANDICAPPED see subdivision under [illegible]

[illegible]

[illegible] [illegible] 1964 [illegible]

[illegible]

[illegible] My '64.

[illegible]

[illegible]

[illegible] Moskva, [illegible] 1964. [illegible]

[illegible]

[illegible]

[see also subdivision under Azerbaijan, Caucasus, [illegible]]

[illegible]

HUNGARY—BIBLIOGRAPHY

[illegible] no.3 '64.

HUNGARY—ECONOMIC GEOGRAPHY

[illegible]

HUNGARY—[illegible] VILLAGES

[illegible]

HUNGARY—FOREIGN RELATIONS—RUSSIA

[Our goal is communism and peace; sojourn of the Soviet party and government delegation led by Comrade N.S. Khrushchev, First Secretary of the [illegible] Party of the [illegible] 212 p.

[illegible] protection in Hungary. [illegible] Nagy. [illegible] no.10:51-54 [illegible] '64.

HUNGARY—POLITICS AND GOVERNMENT

Development of the dictatorship of the proletariat in Hungary into the all-people's state [with summary in English, p. 204]. G.Kallai. Nov i noveish ist. no.1: 1-11 '64.

HUNGARY—RELATIONS (GENERAL) WITH RUSSIA

[illegible] in the Soviet Union. [illegible] '64.

HUNGARY—WORLD WAR, 1939-1945—CAMPAIGNS

Through military historical places of the Budapest [illegible] operation. G.Shtalkin. Voen.-ist. zhur. 6 no.5:111-115 My '64.

HUSSERL, EDMUND, 1859-1938

[illegible] N.V. Motroshilova. [illegible] no.5:102-103 '64.

HUSSITES

[illegible] of the burgher opposition in the Hussite revolutionary movement. A.I.Ozolin. Uch. zap. Inst. [illegible] 29:175-241 '64.

HYALURONIDASE

Effect of X rays on the activity of hyaluronidase and hyaluronic acid. M.I.Alverdian and others. Vop. [illegible] [AN Arm.SSR] 3/4:229-234 '63.

Hyaluronidase activity in human sperm. I.M.Prokhorova. Akush. i gin. no.1:40-44 '64.

HYALURONIC ACID

Effect of X rays on the activity of hyaluronidase and hyaluronic acid. M.I.Alverdian and others. Vop. [illegible] [AN Arm.SSR] 3/4:229-234 '64.

HYBRID CORN see subdivision under Kabardino-Balkar A.S.S.R.

HYBRIDIZATION

Hybridization of influenza viruses. Report No. 2: Change [illegible] properties of hybrids of influenza viruses. [illegible] N.IA. [illegible], M.I.Sokolov. Vop. virus. no.6:697-701 N-D '63

HYDANTOIN

New [illegible] derivatives with antispasmodic action. A.IA.[illegible], V.B.[illegible]. Farmatsev. zhur. 14 [illegible] '59.

HYDATIDS see subdivision under Uzbekistan

HYDRATION

[illegible] and hydration of a quartz surface [illegible] articles by M.M.Egorov, V.I.Kiselev, [illegible] Zhur. fiz. khim. [illegible]

Catalytic transformations of [illegible] and [illegible] acids during hydration in the vapor phase. [illegible] and others. Dokl. AN SSSR 150 [illegible] Je '64.

[illegible] of Cu^{2+} ions in diluted aqueous solutions of Cu (II) salts. [illegible] Dokl. AN SSSR 156 no.4:855-857 Je '64.

[illegible] alcohols by hydration. V.I.Karzhev [illegible] Trudy VNII NP no.[illegible]

HYDRAULIC CONTROL

Calculation of optimum parameters of a ferrodynamic converter. V.I.[illegible], V.P.Kiselev. Elektrichestvo no.5:71-76 My '64.

Khokhlov, V.A. [Electrohydraulic servo drive] Elektrogidravlicheskii sledIashchii privod. Moskva, Izd-vo "Nauka," 1964. 230 p.

Modeling of the transmission of an impulse in hydraulic pipes of a turbine control system. I.S.Ratner, A.A. [illegible]. Energomashinostroenie 10 no.2:14-20 F '64.

[illegible] type hydraulic servo drive with computing attachment. F.A.IAkimov. Avtom. i telem. 25 no.4:547-554 Ap '64.

HYDRAULIC CONVEYING

Kuprin, A.I. [Pressureless hydraulic conveying] Beznapornyi gidrotransport. Moskva, Izd-vo "Nedra," 1964. 159 p.

Movement of pulp in vertical pipes. A.I.Borisov. Trudy VNIIGidrouglia no.3:75-93 '63.

Optimal size of crushing for the hydraulic conveying of original rock in strip mines. B.N.Chaplin, N.N. [illegible]. Gor. zhur. no.5:22-25 My '64.

Study of the loss of head in hydraulic conveying of microgranular material along horizontal pipes. B.M.Levin and others. Trudy MIIT no.178:53-58 '63.

Studying the geometric parameters of a shielded stope and the power capacity of hydraulic conveying. G.I. [illegible], A.I.Kuprin. Trudy VNIIGidrouglia no.3:35-43 '63.

Studying the parameters of washout and hydraulic conveying of coal in shielded stopes. A.I.Kuprin, G.I. Zhukin. Trudy VNIIGidrouglia no.3:46-65 '63.

S. A. Kor in, I P Dikmarova. Ugol' Ukr 8 no. 1: 39-40 Ja '64

HYDRAULIC ENGINEERING

Blok, G. E. [If you would tame a giant] Esli priruchit velikana. Moskva, Izd-vo "Mysl'," 1964. 157 p. (Priroda i chelovek)

Calculation of rock drift during frontal drift B. S. Bariadchiko. Izv vys ucheb zav, stroi i arkhit 6 no 7 67-74 '63.

Determining the level in open channels in the case of unsteady motion of water R R, Abdurau pov Izv, AN Uz.SSR,Ser.tekh.nauk 7 no, 1 57-67 '63.

Estimating the length of the overflow section in frontal fill A, S Izbash. Izv vys ucheb zav., stroi i arkhit. 6 no 7 75-80 '63

Experimental studies of filtration at the contact of soil with concrete G I Kuznetsov Trudy Lab. gidr sooruzh VODGEO no 4 153-163 '63

Field studies of hydraulic structures of large hydraulic structural complexes V V Blinko. Gidr stroi 34 no 4 50-56 Ap '64

Junction of tailwaters of freely falling currents G, M Zviagin. Izv vys ucheb zav., stroi, i arkhit. 6 no 7: 81-89 '63.

HYDRAULIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Hydraulic engineering

HYDRAULIC JACKS

More GD-2 hydraulic jacks. I. M. Bashkatov. Ugol' Ukr. 8 no. 1 36 Ja '64.

HYDRAULIC MACHINERY

Study and calculation of hydraulic cyclone sand classifiers. L A. Smolenskii, L S Zhivotovskii, B. I Karlin. Trudy MIIT no 176 108-125 '63.

Study of the hydrodynamics of flow in horizontal hydraulic sand classifiers. B. M Levin, V. I. Droviannikova. Trudy MIIT no. 176 130-143 '63

Study of the operation of a hydraulic cyclone in a saturated regime L,A,Smolenskii Trudy MIIT no 176 126-129 '63.

Valuable undertaking of the Institute for the Designing of Hydraulic Machinery. N D. Kholin, A M. Shneiderov. Stroi. mat. 10 no. 3 12-14 Mr '64

HYDRAULIC MEASUREMENTS

Effect of bend on the reading of a measuring diaphragm B. M. Levin. Trudy MIIT no. 176 76-85 '63.

Measuring low velocities of water currents by photography. B M. Levin, V. I. Droviannikova, V T. Kadykov. Trudy MIIT no. 176:86-90 '63

Measuring the flow rate of hydraulic fluid with pipe bends. B M. Levin. Trudy MIIT no. 176:91-94 '63.

HYDRAULIC MINING

(see also subdivision under China, Kuznetsk Basin)

Arched shields used for the hydraulic mining of thin, steeply pitching seams. G I. Zhabin, N. M. Khvoshchevskii. Trudy VNIIGidrouglia no. 2:19-27 '63.

Automatic shield used for the undercutting of a thin layer from a coal block by means of a strong jet of water. V. S. Muchnik and others. Trudy VNIIGidrouglia no. 2,3-12 '63.

Hydraulic blasting method of crushing oversize ore. V. F. Vedutin, I. S. Voronov. Gor. zhur. no. 11:65-66 N '63.

Selection of efficient operating conditions and productive capacity of hydraulic mines. F. I. Protsai, V. P. Kushnir. Trudy VNIIGidrouglia no. 2:104-110 '63.

Testing anchorless wooden rod bolting in hydraulic mine stopes. V. G. Ivanushkin. Trudy VNIIGidrouglia no. 2: 28-31 '63.

Unsolved problems in hydraulic mining. I. V. Perov. Ugol' Ukr. 8 no. 3 5-6 Mr '64.

Urgent tasks of further developing the theory and technology of hydraulic strip mining. G. A. Nurok. Gor. zhur. no. 5:6-10 My '64.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

The GUTs-6 hydraulic giant unit. N. N. Aleksandrov, A. S. Ashkinazi, A. V. Kochergina. Gor. zhur. no. 5. 40-44 My '64.

Studying the operation of an AZV-2 mine filling apparatus. E. M. Shparberg. Trudy VNIIGidrouglia no. 2:66-74 '63.

HYDRAULIC MODELS

Laboratory studies and a simplified method for calculating the tailwater erosion of a river bed. Sh.Sh.Sakla. Izv.AN Uz.SSR.Ser.tekh.nauk 8 no.2:68-81 '64.

Modeling the operations of the linear strip mine drainage systems by means of a Luk'ianov hydraulic integrator. I. E. Zhernov, V. N. Kalugin, O. A Spivak. Nauch. zap. Ukrniiproekta no. 10 82-95 '63.

HYDRAULIC PRESSES

Automatic line for press fitting a rim on the LBS9 flywheel. A.A.Strugachev, I.F.Nevler. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst nauch.i tekh.inform. 17 no.2:31-32 '64.

prom. 13 no. 6,24-25 Je '64.

Straightening hydraulic press. V. D Kniazev, I. A. Dvukraev. Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform 17 no 2:22-24 '64.

HYDRAULIC STRUCTURES

Automatic float valve for water-discharge pipes of a closed irrigation system M P Sal'nikov Izv AN Uz SSR Ser tekh nauk 7 no 6 67-72 '63

Study of the effect of vibrated loads on the resistance to displacement of water works constructed on sandy soil. N IA. Khrustalev Trudy Lab. gidr. sooruzh. VODGEO no 4 124-152 '63.

HYDRAULIC STRUCTURES—ECONOMIC ASPECTS

Calculating the expenses for the maintenance and overhaul of structures completed but not yet put into operation. N. A. Alekseev. Gidr. i mel. 16 no. 4 60-61 Ap '64.

HYDRAULIC TURBINES

Boring of sectors in the thrust bearings of hydraulic turbines using a special grouping device. V. N. Min'kov, V D. Trampol'skii Energomashinostroenie 10 no 2 39-40 F '64.

Calculation of hydraulic axial force acting on the rotor of a hydraulic unit in nonsteady operation. E. V. Gutovskii Energomashinostroenie 10 no. 1,12-14 '64.

Calculation of the mechanism of rotation of a blade with rolling bearings. B. A. Berkman. Energomashinostroenie 10 no. 4:44-46 Ap '64.

Compaction of the trunnions of the gate mechanism of hydraulic turbines. I. A. Zubkov. Energomashinostroenie 10 no. 4 37-39 Ap '64.

Encapsuled hydraulic turbine. S. K Bugrin, M. A. Raud. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2;41-43 '64.

Experience in operating electrohydraulic speed controllers of hydraulic turbines V P Stepanov. Elek. sta. 35 no 2 41-44 F '64

Helical chambers of hydraulic turbines for the Krasnoyarsk Hydroelectric Power Station. M. I. Gal'perin. Energomashinostroenie 10 no. 4 48 Ap '64.

The PL-510-VB-250 hydraulic turbine. V. I. Korlukova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4,11-42 Ap '64.

Some special features of the operating process of a Pelton wheel type turbine. Energomashinostroenie 10 no 2:3-6 F '64.

Studies of cavitation in operational hydraulic turbines and their models A S Lashkov. Elek. sta 35 no 2 37-41 F '64

HYDRAULIC TURBINES—MODELS

Investigating fluid flow through the impeller of the model of a diagonal-flow hydraulic turbine. V. V. Bogdanova. Trudy LPI no. 230,117-123 '64.

Investigating the conic deflector of the model of a horizontal hydraulic turbine. O. N. Bushmarin, V. M. Mishchenko Trudy LPI no. 230:124-131 '64.

HYDRAULIC TURBINES—WELDING

Built-up welding of the gate mechanism of hydraulic turbines. M. A Rudenko, I E Bandulov Elek stat. 35 no. 1 38-40 Ja '64.

HYDRAULICS

Necessary handbook. R. Ioannesian Neft. khoz. 41 no 6 68-3 of cover Je '63

Stability of the beds of rivers and canals as related to the regularities of channel formation. A. D. Savarenskii. Trudy VNIIGIM 42;73-78 '63.

Water flow toward a perfect well. A. V. Romanov. Vop. fil'tr. rasch. gidr. soor. no. 4:25-31 '64.

HYDRAULICS—MODELS

Using the electrohydrodynamic analogy models for the filtration calculation of vertical drainage and water level lowering. V. M. Shestakov. Vop. fil'tr. rasch. gidr. soor. no 4,161-181 '64.

HYDRAULICS—PROBLEMS, CALCULATIONS, ETC.

Two-dimensional problem on the interaction between an ideal propeller and a cylinder in a restricted flow S. P. Medvedev. Trudy LIVT no. 45;44-56 '63

HYDRAZIDES

Substituted hydrazides of hydroxycarboxylic acids. Part 14: Acyl derivatives of basic nature of phenylhydrazides of diaryl- and dialkyl glycolic acids. I. S. Berdinskii. Zhur. ob. khim. 34 no. 3:762-767 Mr '64.

Substituted hydrazides of β-(2-methyl-4-carboxy-3-quinolyl)-propionic acid. G. T. Tatevosian, A. G. Terzian, S. P. Ekmekdzhian. Izv. AN Arm. SSR. Khim. nauki 17 no. 2:235-237 '64.

HYDRAZINE

Reversible discoloration of solid layers of xanthene dyes in hydrazine vapors. A. T. Vartanian. Zhur. fiz. khim. 36 no. 9:1890-1896 S '62.

Structure of the protonated ion-radical of tetraphenyl hydrazinium. G. A. Razuvaev, G. A. Abakumov, V. A. Pestunovich. Zhur. strukt. khim. 5 no. 2:307-309 Mr-Ap '64.

volatile inorganic hydrides G G. Devlatykh Dokl. AN SSSR 156 no. 5:1105-1108 Je '64

Equilibrium constants for thermal decompositions of volatile hydrides of III - VI group el G. G. Devlatykh, A. S. IUshin Zhur. fiz. khim 957-962 Ap '64.

HYDROBIOLOGICAL RESEARCH see subdivisi Egypt

HYDROBIOLOGY see subdivision under Pecho

HYDROCARBON OILS

Production of phthalic anhydride by diphase ox bicyclic hydrocarbons of catalytic gas oil. A Sharipov, M. G. Imaev. Izv. vys. ucheb. zav.; gaz 6 no. 8:57-60 '63.

HYDROCARBONS

Dibutyltetrachlorophthalate as a stationary pha gas-liquid chromatography of hydrocarbons Vsevolozhskaia, O E Morozova, M. A. Petro tekhimiia 4 no 1 142-150 Ja-F '64

Effect of diene hydrocarbons on the drying activ synthetic zeolites. R P. Khrzanova, Sh. Bel per. i neftekhim no. 1 33-34 '64

Friedel-Crafts acetylation of aromatic hydrocar F. M. Shamsis, M. M. Dashevskii. Nauch. zap. politekh. inst. 40,83-87 '62.

Gas-chromatographic determination of water in hydrocarbons V. G. Berezkin, A. E. Mysak, Neftekhimiia 4 no 1 156-159 Ja-F '64

Gas-liquid chromatography of certain alkyl hyd bons and paraffins N S Nametkin and others tekhimiia 4 no 1:137-141 Ja-F '64

Infrared spectra of protonated aromatic hydrocar V. A. Koptiug and others. Izv. AN SSSR. Ser. khi no. 5:948 My '64.

Mutual reinforcement of the lubricating action of siloxanes and hydrocarbons. G V Vinogradov, Nametkin, M. I Nosov Neftekhimiia 4 no 1:1 Ja-F '64.

Nitration of some aromatic hydrocarbons. Rep M. M. Dashevskii, G. N. Terent'eva, Nauch. zap politekh. inst. 40:91-94 '62.

Polymerization of propylene in order to obtain a fraction (nonylenes) as a basic product Trudy NP no 9,226-240 '64.

Promoting effects of zirconium dioxide on a coba catalyst in the synthesis of higher hydrocarbons CO and H under atmospheric pressure IA T T. F. Bulanova, N S. Sergeeva Neftekhimiia 4 61-67 Ja-F '64

Reactivity of intermediate substances in the oxid hydrocarbons I. P. Skibida Z. K Maizus N M uel'. Neftekhimiia 4 no. 1:92 100 Ja-F '64

Separating oxygen-containing compounds from the mixtures with hydrocarbons V M Rapoport and Trudy VNII NP no 9 197 213 '64.

HYDROCARBONS—ANALYSIS

Crystal submicrostructure of solid hydrocarbons in a hydrocarbon medium. N. I. Chernozhukov, Vainshtok, B. N. Kartinin. Izv. vys. ucheb. zav.; gaz 5 no. 11:53-57 '62.

Determining the group composition of hydrocarbon tures by liquid chromatography with luminescent indicators G M. Panchenkov and others Neftek 4 no. 1;128-132 Ja-F '64

HYDROCEPHALUS

A case of hydrocephalus in a newborn infant cause listeriosis. N. S. Ogneva. Akush. i gin. no. 1:1

HYDROCHLORIC ACID

Chemistry of vinylacetylene. Part 47: Hydrochlori of methylethylvinylethinylcarbinol, methylethylvin ethinylchloromethane, and 5-methyl-1, 5-heptadie yne. S. A. Vartanian, G. A. Musakhanian, I. O. Av Izv. AN Arm. SSR, Khim. nauki 17 no. 2:164-172

HYDRODYNAMICS

Conformal Euclidean representation of Rieman spa and the equations of hydrodynamics. N. V. Ilushin Trudy LPI no. 230:27-29 '64.

Effect of the temperature factor on the hydrodynam resistance of a cylinder in a lateral air flow. A. Parnas. Inzh.-fiz. zhur. 7 no. 5:45-51 My '64.

Evolution of a wave packet in hydrodynamics involv sound dispersion. V E. Zakharov. PMTF no. 3 1 169 My-Je '64.

Gravitational and capillary waves on the surface of spherical layer of a viscous gravitating liquid. A. Shmidt. Zhur. vych. mat. i mat. fiz. 4 no. 1:183- Ja-F '64.

Hydrodynamics of a flow along an annular channel w rotating cylinder inside. B. P. Ustimenko, V. N. Zmeikov. Teplofiz. vys. temp. 2 no. 2:250-259 M Ap '64.

Mechanisms underlying the disintegration of a dropl moving in a gas flow. V. A. Borodin, IU. F. Ditiakin V. I. IAgodkin. PMTF no. 3:100-104 My-Je '64.

Problem of the collision of two high-energy bodies, and the effect of interaction between heavy particles and a vector meson field on the energy spectrum of secondary particles. M.T. Zhumartbaev. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no.2:76-81 '63

Rotation of a sphere in a viscous conducting liquid in a magnetic field at high Reynolds numbers. G.Z. Gershuni, E.M. Zhukhovitskii. Zhur. tekh. fiz. 34 no.2:336-339 F '64.

Shape and hydrodynamic characteristics of solid particles. A.M Gasparian, N S Ikarian Dokl An Arm. SSR 38 no 3 163-168 '64

Spiral movement of a nonviscous noncompressible liquid. F.I. Pikalov. Trudy VNIIGIM 42;93-103 '63.

Stability of the flow of a viscoplastic medium between two planes with a slit. G P. Prikazchikov Vest Mosk. un. Ser 1 Mat., mekh 19 no 3;51-55 My-Je '64.

Unsteady flow of a viscous liquid in a cylindrical tube taking the inlet cross section into account. V.Z. Osipov. Trudy Vych. tsentr. AN Gruz SSR 4;167-174 '64.

HYDROELECTRIC POWER STATIONS

(see also Bratsk Hydroelectric Power Station; Chirkey Hydroelectric Power Station, Krasnoyarsk Hydroelectric Power Station; Pavlovsk Hydroelectric Power Station; Sayan-Shushenskoye Hydroelectric Power Station, Tatev Hydroelectric Power Station; Vilyuy Hydroelectric Power Station; Volga Hydroelectric Power Station (Lenin); Volga Hydroelectric Power Station (22d Congress of the CPSU))

Analysis of the filtration cycle at the base of the structure of a hydroelectric power station and concrete dam V V Burenkova Trudy Lab. gidr. sooruzh VODGEO no. 4 164-176 '63.

Concerning V P Brimerberg's article "Use of the framework of a hydroelectric power station as a grounding system " M R. Naifel'd Elek sta 35 no 3 89 Mr '64

Dicharov, Z. L. [Man tames rivers] Chelovek pokoriaet reki. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika. no. 9)

Operation of the automatic operator of a multiple-unit hydroelectric power station with long-term frequency deviations from the nominal value V M Dolgopolov and others Elek sta 45 no 2 15-37 F '64

Sliaskii, S. M. [Calculation of surface conditions behind combined hydroelectric power stations and dams with ledges] Raschet poverkhnostnykh rezhimov za sovmeshchennymi gidroelektrostantsiiami i plotinami s ustupom. Moskva, 1961. 125 p. (Moscow. ..nergeticheskii institut. Trudy. Seriia. Gidroenergetika, no. 2)

Study of precast reinforced concrete elements I P Dotsenko Gidr. stroi 34 no 4 43-40 Ap '64

HYDROFLUORIC ACID

Voltammetric measurements of the polarization of electrodes in a medium of liquid hydrogen fluoride. I. A. Aikazian, N. M. Arakelian, S. P. Babokina. Izv. AN Arm. SSR. Khim. nauki 17 no. 2;131-136 '64.

HYDROFOIL BOATS

Experimental investigation of the characteristics of partially submerged screw propellers. A. M. Basin, G. A. Goshev. Trudy LIVT no 45;14-26 '63.

Fields of efficient use of hydrofoil boats and ground-cushion vessels. V. M. Pashin. Sudostroenie 30 no. 5;6-8 My '64.

Investigating the performance of partially submerged screw propellers. A. M. Basin, A. G Liakhovitskii Trudy LIVT no 45;3-13 '63.

Kudriavtsev, N. V., A. I. Nedlakin, and E. A. Pankov. [Operation and repair of ships on underwater wings] Ekspluatatsiia i remont sudov na podvodnykh kryl'iakh. Moskva, Transport, 1964. 108 p.

New type of engine for ships with underwater wings. IU. A. Bordovitsyn. Sudostroenie 30 no. 5;30-31 My '64.

HYDROFOIL BOATS—HYDRODYNAMICS

Effect of the interaction between the propeller and wing on the hydromechanical characteristics of a hydrofoil boat. M. I. Frenkel'. Trudy LIVT no. 45; 67-85 '63.

HYDROGEN

Determination of the partial pressure of hydrogen by the electromotive force method. O.S. Zaitsev, T.I. Bulgakova. Zhur. fiz. khim. 38 no.4;1056-1057 Ap '64.

Effect of atomic hydrogen on the potential of nickel and mercury electrodes in electrolyte solutions. S.D. Levina, T.V. Kalish. Zhur. fiz. khim. 36 no.9;1926-1931 S '62.

Hydrogen diffusion in metals. A. I. Gubanov. Fiz. tver. tela 6 no. 4 1023-1029 Ap '64.

New way to synthesize oxygen compounds from carbon monoxide and hydrogen over iron-copper catalysts V P Vainshtein and others. Trudy VNII NP no. 9 177-186 '63.

Polarographic catalytic hydrogen waves produced by organic catalysts. Part 2. V. Hanus, S. G. Mairanovskii, J. Koutecky. Zhur. fiz. khim. 36 no. 9;2010-2017 S '62.

Reaction of atomic oxygen and hydrogen with propylene. V. V. Azatian, A. B. Nalbandian, N. T. Silakhtarian. Izv. AN Arm. SSR. Khim. nauki 17 no. 2;117-121 '64.

HYDROGEN BONDING

Hydrogen bonding in alkyl ammonium salts. Part 1: Infrared spectra and structure of trioctyl ammonium nitrate. V. M. Vdovenko and others. Radiokhimiia 6 no. 1 49-55 '64.

Hydrogen bonding in alkyl ammonium salts. Part 2 Infrared spectra and structure of tridecyl ammonium chloride. V. M. Vdovenko, A. A. Lipovskii, S. A Nikitina. Radiokhimiia 6 no. 1;56-62 '64

New data on hydrogen bonding in o-nitraniline. G. D. Bagratishvili, G. V. TSitsishvili, K.A Bezhashvili Zhur. fiz. khim. 36 no 9;2036-2042 S '62.

HYDROGEN-ION CONCENTRATION

Change in the pH during the period of growth and toxin formation of the diphtheria bacillus due to rennin fermentation in the culture medium with different quantities of glucose F T. Zhidkova Trudy Irk IEG no 5 73-76 '60

Change of acidity in the catholyte layer during electrolysis of nickel chloride solutions. T. M. Ovchinnikova, L A Taran, A. L. Rotinian. Zhur. fiz khim 36 no. 9; 1909-1913 S '62

Effect of the pH of the medium on the stability of some alkaloid salt solutions during sterilization and preservation. IE S. Skvirs'ka. Farmatsev zhur 14 no 4; 25-27 '59.

Fluctuations in the activity of phosphomonoesterases of various brain sections of a chicken embryo under changing pH of the medium G. T. Adunts. Izv. AN Arm SSR. Biol. nauki 16 no. 5 25-30 My '63.

HYDROGEN ISOTOPES

Isotope hydrogen exchange of 3,5-dimethylisoxazole with acids. V.N. Sotkina, S.D. Sokolov. Izv. AN SSSR. Ser. khim. no.5;936-938 My '64.

HYDROGEN PEROXIDE

Decomposition of hydrogen peroxide on mixed catalysts from cobalt, copper, and tungsten salts. A.K. Verkhovskaia, F.M. Perel'man. Zhur. fiz. khim. 38 no. 4; 1013-1015 Ap '64

Determination of the activation energy of formation of hydrogen oxide and hydrogen peroxide in the atmospheric corrosion of Mg and Al. I. L Roikh, I P. Bolotich, L.N. Koltunova. Zhur. fiz. khim. 36 no 9;2052-2054 S '62

Peroxyhydrates and hydrates of rubidium and cesium carbonates. Report No.1: Solubility isotherms of the ternary systems Rb_2CO_3 - H_2O_2 - H_2O and Cs_2CO_3 - H_2O_2 - H_2O at 0°C. T.A. Dobrynina, B.S. Dziatkevich. Izv. AN SSSR. Ser. khim. no.5;790-794 My '64.

HYDROGEN SULFIDE

Distribution of hydrogen sulfide in natural gas and water under reservoir conditions. A. IU. Namiot. Nauch.-tekh. sbor. po dob. nefti no 18;76-82 '62

Selecting, transporting, and storing gas samples for the determination of hydrogen sulfide. P V Mikhal'kov, V P Vostrikova Gaz prom 7 no 2 13-16 '62

HYDROGENATION

Hydrogenation of acetophenone on a Rh-B catalyst. A.M. Taber and others. Izv. AN SSSR. Ser. khim. no.5; 904-908 My '64.

Hydrogenolysis of cyclopentane hydrocarbons in the presence of platinum deposited on aluminum oxide. I.V. Gostunskaia, Go Chin-fyn [Kuo Ch'in-fêng], B.A. Kazanskii. Izv. AN SSSR. Ser. khim. no.5;832-836 My '64.

HYDROGENOLYSIS

Hydrogenolysis of cyclohexane with the formation of n-hexane at atmospheric pressure. A. L. Liberman, O. V. Bragin, B. A. Kazanskii. Dokl. AN SSSR 156 no. 5;1114-1117 Je '64.

HYDROLOGY

(see also subdivision under Azov, Sea of; Baikal, Lake; Georgia; Vashutkiny Lakes)

Hydrologic problems in the works of G.I. Tanfil'ev. G.N. Aksent'ev. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9;166-186 '62.

HYDROLOGY—BIBLIOGRAPHY see Bibliography—Hydrology

HYDROLOGY—DICTIONARIES

Chebotarev, A. I. [Hydrological dictionary] Gidrologicheskii slovar'. Leningrad, Gidrometeoizdat, 1964. 221 p.

HYDROLOGY—TABLES, CALCULATIONS, ETC.

Panasiuk, A. M. [Tables of partial areas of a water section at a hydrometric gauge point] Tablitsy chastichnykh ploshchadei vodnogo secheniia v gidrometricheskom stvore. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 27 p.

HYDROLYSIS

Aromatic fluorine derivatives. Part 13: Hydrolysis of fluohalobenzenes. G.G. IAkobson, T.D. Rubina, N.N. Vorozhtsov, Jr. Zhur. ob. khim. 34 no.3;938-941 Mr '64.

Breaking of the C - P bond in arylphosphinic aci hydrolysis. G. P. Bebikh, T. V. Frshova, V. K. Vest. Mosk. un. Ser. 2 Khim. 19 no. 1.56-59 J

Effect of heterogeneous hydrolysis on the struct cellulose. L. Kudlacek, J. Ruzicka. Vysokom 6 no.4;587-593 Ap '64.

Effect of the structure and polarity of the mediu rate and mechanism of hydrolysis of aromatic chlorides. R. V. Vizgert, L. K. Savchuk. Dokl. no. 1/2;29-33 '63.

The industrial plant reaches out into the forest. IA. Karpov. Sov profsoiuzy 20 no. 13 17-20 Jl '64

Kinetics of the hydrolysis of acetic anhydride in mixed solvent. E. N. Vasenko, N. V. Chernaia, Dokl. LPI 5 no. 1/2;169-171 '63.

Mechanism of alkaline hydrolysis of pseudothioh and its derivatives. A V. Shelud'ko. Farmats 14 no.4,8-13 '59.

Mechanism of the acid hydrolysis of substituted benzenesulfanilides. N. P. Lushina, IA. P. Ber Dokl. LPI 5 no. 1/2 3-6 '63.

Methods of investigating the kinetics of acid hyd of substituted benzenesulfanilide. N. P. Lushin LPI 5 no. 1/2;37-40 '63.

Synthesis and studies of polycarbonates by the in polycondensation method. Part 6: Effect of en on the course of the interfacial polycondensatio 2,2'-bis-(4-hydroxyphenyl) propane and phosge on the rate of hydrolysis of phosgene. O. V. Sm I. P. Losev, E Khorvat Vysokom soed 6 no 594-599 Ap '64

HYDROMECHANICS see Fluid mechanics

HYDROMETALLURGY

Alumina recovery from low-grade bauxites. I. K Skobeev. Nauch. trudy IPI no. 19;218-228 '63.

Direct hydrometallurgical processing of Transba oxidized lead ores. R. M. Vygoda, G. G. Zapev L. B. Travnikova. Trudy IPI no. 18.100-111 '

Kinetics of the dissolution of nickel and iron me solutions of hydrochloric acid and ferric chlor V. N. Kriukova, A. L. TSeft. Trudy IPI no. 18 '63.

Multistage washing of pulps. I. K. Skobeev. Nau trudy IPI no. 19 5-74 '63.

Processing of aluminum silicates for alumina by ammonium sulfate method. I. K. Skobeev. Na trudy IPI no. 19;229-231 '63.

Some problems in the decomposition of alumina solutions and the separation of aluminum hydr seeding. I. K. Skobeev. Nauch. trudy IPI no. 183 '63.

Studying conditions for the dissolution of a colle copper-nickel concentrate in a solution of fer chloride. V. L. Klets, A. P. Serikov. Trudy IP no. 18;31-39 '63.

Thickening of pulps in an upward flow with a sus filter. V. I. Nazarov, I. K. Skobeev. Nauch. tr no. 19;103-120 '63.

Use of coagulating agents in the thickening of re muds. I. K. Skobeev. Nauch. trudy IPI no. 19; '63.

HYDROMETALLURGY—EQUIPMENT AND SUPP

Investigating conditions of thickening ore pulps i upward flow. V. I. Nazarov, I. K. Skobeev. Tr no. 18;160-172 '63.

Size of steel thickener tanks for the thickening a ing of pulps in the production of alumina. I. K. Nauch. trudy IPI no. 19;136-154 '63.

Use and calculation of filter thickeners for the t and washing of pulps in the production of alum Skobeev. Nauch. trudy IPI no. 19;75-102 '63.

HYDROMETALLURGY—TESTING

Enlarged laboratory testing of the hydrometallu mixed low-grade ores. A. I. Orlov, G. A. Kopy L. B. Travnikova Trudy IPI no. 18;71-78 '6

HYDROMETEOROLOGY see subdivision under A regions; Chukchi Sea; Kara Sea

HYDROMETEOROLOGY—OBSERVATIONS

Program and methods for observations made du expedition D L. Laikhman, L R Orlenko Tr GGO no 144 3-8 '63.

HYDROMETER

Korsunskii, L. M. [Electromagnetic hydrometr vices] Elektromagnitnye gidrometricheskie pr Moskva, Standartgiz, 1964. 179 p.

HYDROPEROXIDES

Effectiveness of the use of new polymerization in in the production of emulsion rubbers. A. A. T tina. Trudy LIEI no. 46;44-46 '63.

Oxidation-reduction polymerization of acrylonit the presence of organic hydroperoxides. T. I. IUrzhenko, V. A. Puchin, V. S. Golokhvastova. LPI 5 no. 1/2;46-54 '63.

Synthesis of tertiary alkyl hydroperoxides C_6 - M. R. Vilenskaia, T. I. IUrzhenko. Zhur. ob. kh no. 3;748-752 Mr '64.

HYDROPHOBIA see Rabies

HYDROPONICS

Aliev, E. A., IA. A. Diukarev, and B. V. Latenko. [Soilless growing of vegetables in greenhouses] Vyrashchivanie ovoshchei v teplitsakh bez pochvy. Pod red. I. G. Vyval'ko. [Kiev] Gossel'khozizdat USSR [1964] 141 p. (DNAL)

Characteristics of some artificial substrates for use in a closed ecologic system. P.V.Lebedeva. Probl. kosm.biol. 3:198-204 '64.

HYDROXYLAMINE

Extraction of N-benzoylphenylhydroxylaminates of protactinium, zirconium, and niobium from sulfuric acid solutions. R. A. D'iachkova, Vikt. I. Spitsyn. Radiokhimiia 6 no.1:103-104 '64.

HYGIENE

Kask, Mihkel. [Health and well-being] Inimese tervis ja heaolu. Tallinn, Eesti Riiklik Kirjastus, 1963. 83 p. [In Estonian] (DNLM)

Laptev, A. P. [Building up strength and health] Zakalivanie i zdorov'e. Moskva, "Fizkul'tura i sport," 1964 51 p. (Bibliotechka "Fizkul'tura i zdorov'e")

HYPEREMIA

Test for the determination of insufficiency of collateral blood circulation in the extremities. P. P. Alekseev. Sov.med. 27 no.10:83-87 O '63.

HYPERIN

Investigating the glycoside hyperin isolated from the herbage of the St.-John's-wort Hypericum perforatum. M.H.Chaplynska, K.M.[illegible]. Farmatsev.zhur. 14 no.4:35-39 '59.

HYPERITE see subdivision under Gayvoron region (Ukraine)

HYPERONS

Production of Λ (Σ°)-hyperons and K°-mesons in interactions between 7 Gev π⁻-mesons and carbon. V. A. Beliakov and others. Zhur.eksp.i teor.fiz. 46 no.5:1586-1597 My '64.

HYPERSPACE

Metric invariants of equations of quadrics in hyperspaces. L. B. Vyzhigin, L. V. Puchkova. Uch.zap. MGPI no.208:214-221 '63.

Metric invariants of planes in hyperspaces. B. A. Rozenfel'd, L. M. Ershova-Gamova, T. A. Kuznetsova. Uch.zap. MGPI no.208:278-287 '63.

HYPERTENSION

(see also subdivision under Tashkent; Uzbekistan)

Changes in hemodynamics and some indices of lipid metabolism in the cerebral form of hypertension. I. M. Isazade. Kardiologiia 3 no.6:27-31 N-D '63.

Content of sodium and potassium in the blood serum and their excretion in the urine in hypertensive states. F. M. Paleeva. Kardiologiia 3 no.6:31-37 N-D '63.

Experimental reflexogenic hypertension of cardiac origin. D. L. Dligach, Z. S. Dolgun, B. B. Kulaev. Kardiologiia 3 no.6:4-10 N-D '63.

Indices of the functional state of the [illegible] in hypertension. I. N. [illegible]. Kardiologiia 3 no.6:15-20 N-D '63.

Review of the book "Hypertension." E. A. [illegible]. Kardiologiia 3 no.6:86-89 N-D '63.

Role of some corticosteroids in hypertension. Report No.2. E. N. Gerasimova. Kardiologiia 3 no.6:11-15 N-D '63.

Treatment of hypertension with camphonium. Sov.med. 27 no.10:97-100 O '63.

HYPERTHYROIDISM

Diagnosis of thyrotoxicoses. G.A.Kazarian. Vop. radiobiol.[AN Arm.SSR] 3/4:217-223 '63.

Effect of intravenous injection of novocaine on the vascular reflex reactions in thyrotoxicosis. B. P. Braslavskaia. Sov.med. 27 no.10:127-129 O '63.

HYPERTROPHY

Analysis of the mechanism of compensatory gonad hypertrophy in birds. O. M. Plytais. Dop. AN URSR no.5:671-673 '64.

Liozner, L. D., ed. [Compensatory hypertrophy of organs in mammals and man] Kompensatornaia gipertrofiia organov mlekopitaiushchikh zhivotnykh i cheloveka. Moskva, Medgiz, 1963. 317 p.

HYPOTENSION

Changes in the oxygen tension of the cerebral cortex during controlled arterial hypotension. V. P. Osipov, M. IA. Khodas. Eksp.khir.i anest. 8 no.5:72-74 S-O '63.

Ganglionic block without hypotension. V. V. Timofeev and others. Sov.med. 27 no.10:25-31 O '63.

Otoneurological symptoms in arterial hypotension. I.IA.Kalinovskaia, E.S.Prokhorova. Zhur.nevr.i psikh. 63 no.6:850-852 '63.

Soviet drugs of short-term action for controlled hypotension [with summary in English]. A. D. [illegible]. Eksp.khir.i anest. 8 no.5:75-78 S-O '63.

HYPOTHALAMUS

[illegible]

HYPOTHERMIA

[illegible]

HYPOTHESIS

[illegible]

HYSTERESIS

[illegible]

HYSTERIA

[illegible]

[illegible]

ICE

[illegible]

ICE CRYSTALS

[illegible]

ICE FISHING

[illegible]

ICE ON RIVERS, LAKES, ETC. see subdivision under Angara River, [illegible] Transbaikalia

ICEHOUSES

[illegible]

ICELAND SPAR see subdivision under [illegible]

ICHNEUMON FLIES

[illegible]

ICHNEUMON FLIES—PARASITES see [illegible]—Ichneumon flies

IDEOLOGY

[illegible]

IDOLS AND IMAGES see subdivision under [illegible]

IGNEOUS ROCKS see [illegible]

[illegible]

INDUSTRIAL MANAGEMENT (Continued)

Kaulins, R. [Efficient labor organization in an industrial enterprise] Racionala darba organizacija rupnieciskaja uznemuma. Riga, Latvijas Valsts izd-ba, 1963. 85 p. (Paliga ekonomiskai izglitibai) [In Latvian]

[illegible]

[illegible]

[illegible]

Kazojena, G. [Excellent results with the least expenditures] Vislabakie rezultati ar vismazakajiem izmaksam. Riga, Latvijas Valsts izd-ba, 1963. 41 p. (Paliga ekonomiskai izglitibai) [In Latvian]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Leningrad. Finansovo-ekonomicheskii institut. [illegible] 1964. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

INDUSTRIAL MANAGEMENT—BIBLIOGRAPHY see Bibliography—Industrial management

INDUSTRIAL MANAGEMENT—HANDBOOKS, MANUALS, ETC.

[illegible] Moskva, [illegible] 1964. [illegible]

[illegible] Riga, Latvijas Valsts izd-ba, 1964. [illegible] [In Latvian]

INDUSTRIAL ORGANIZATION
(see also subdivision under [illegible])

[illegible]

[illegible]

[illegible]

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

[illegible]

INDUSTRIAL PLANTS—LIGHTING

[illegible]

INDUSTRIAL POWER PLANTS

[illegible]

[illegible]

INDUSTRIAL PROCUREMENT—ACCOUNTING

[illegible]

INDUSTRIAL RELATIONS see subdivision under Leningrad

INDUSTRIAL SAFETY
(see also subdivision under Accidents)

[illegible]

[illegible]

INDUSTRIAL SAFETY—STUDY AND TEACHING

[illegible]

INDUSTRIAL STATISTICS

[illegible] Moskva, [illegible]

INDUSTRIAL TELEVISION

[illegible]

INDUSTRIAL WASTES

[illegible]

[illegible]

INDUSTRIAL WASTES—ANALYSIS

[illegible]

INDUSTRIAL WASTES—[illegible]

[illegible]

INDUSTRY
(see also subdivision [illegible])

[illegible]

INDUSTRY—[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

INFANTS—DISEASES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

INTEGRAL EQUATIONS (Continued)

Integral equations describing pion-pion photoproduction. [illegible] Izv AN Uz SSR Ser. [illegible] 7 [illegible] 31-57 '63

Lukin, L. P., and V.V. Serebriakov. [Solutions to integral equations describing low-energy pion-pion scattering] Reshenila integral'nykh uravnenii nizkoenergeticheskogo pion-pionnogo rasseianiia. Novosibirsk, In-t matem. s vychislitel'nym tsentrom, 1962 10, xix p.

One type of singular integral equations. G.S.Litvinchuk, I.G.Khasabov Sib mat zhur 5 no.3:608-625 My-Je '64.

Spectrum of a Volterra operator on a semiaxis and the [illegible] increase of solutions to systems of Volterra type integral equations. E I Gol'dengershel'. Mat. [illegible] 1 115-137 My '64

INTEGRALS

Calculation of a specific integral containing Bessel's functions. IU. A Trakhimovich, IU. V. Pimenov. Zhur. vych. mat. i mat. fiz. 4 no. 3 596-599 My-Je '64.

Calculation of continual integrals of the functionals $\{f[\int_0^T a_1(\tau)dx(\tau),\ldots,\int_0^T a_m(\tau)dx(\tau)]\}$. V.I.Ladokhin. Usp mat nauk 19 no 1:155-159 Ja-F '64

Cubature formulas for calculating integrals from the surface of a sphere I. P. Mysovskikh. Sib. mat. zhur. 5 no.3:721-723 My-Je '64.

Hypothesis of the independence of round-off errors in numerical integration. N.S. Bakhvalov. Zhur. vych. mat. i mat. fiz. 4 no. 3 399-404 My-Je '64.

INTEGRALS, GENERALIZED

The A-integral and generalized functions I L Bondi Usp mat nauk 19 no 2 131-138 Mr-Ap '64.

Determining the constants of the Christoffel-Schwarz integral for an arbitrary simply connected quadrangle. V.M.Savenko. Dop. AN URSR no. 5:574-576 '64.

Functions represented in the form of a potential. I.N. Kartsivadze Trudy Vych. tsentr. AN Gruz. SSR 4: 19-28 '64.

Hirschman type functions and the relations between $B^r_p(E_n)$ and $L^r_p(F_n)$ spaces. P.I.Lizorkin. Mat. sbor. 63 no. 4:515-535 Ap '64.

INTEGRALS, MULTIPLE

Derivation of cubature formulas for simple regions. I.P. Mysovskikh. Zhur. vych. mat. i mat. fiz. 4 no. 1 3-14 Ja-F '64.

INTEGRATORS

Calculation of the temperature fields around underground frozen ground storage using EI-12 electrointegrators. V G. Melamed Merzl issl no 3:245-250 '63.

Current integrator with low input resistance IU. A. Bliumkina N N Semenova Prib. i tekh eksp 8 no 6 112-115 N-D '63

INTELLIGENCE SERVICE see subdivision under United States

INTERCHANGEABLE MECHANISMS

[illegible] y [illegible] 304 p.

Soveshchanie po tochnosti, vzaimozameniaemosti i tekhnicheskim izmereniiam v mashinostroenii. 2d, 1962. [Precision, interchangeability and industrial measurements in the manufacture of machinery; transactions] Tochnost, vzaimozameniaemost' i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, Izd-vo "Nauka," 1964. 386 p.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS see subdivision under Europe, Western

INTERFEROMETER

The use of the laboratory ITR-2 interferometer in determining the water salinity in the Arctic seas. A.P.Gur'ianova. Trudy AANII 248:79-84 '63.

INTERFEROMETRY

Variable-length ultrasonic interferometer with a discrete frequency spectrum. V.I. Domarkas, E. F. IAronis Akust. zhur. 10 no. 2:244-245 '64.

INTERFEROMETRY—STUDY AND TEACHING

Home-made Michelson interferometer for educational purposes. B.Sh. Perkal'skis, V.L. Larin. Usp. fiz. nauk 83 no. 2:371-373 Je '64.

INTERFERON

Antiviral effect of interferon. O. P. Peterson, Li IUi [Li Yü]. Vop. virus. no 6:719-724 N-D '63.

INTERNAL COMBUSTION ENGINES

Allowed extent of the interlacing of axes of connecting rod heads of a trunk engine. P. A. Dolinskii, B. IA. Sumovskii. Vest. mashinostr. 44 no. 5:50-51 My '64.

Determination of the indicated horsepower of internal combustion engines using a pimeter. Energomashinostroenie 10 no. 2:26-30 F '64.

Graphic analysis of the simultaneous operation of superchargers. I. A. Chernov. Trudy IPI no. 18.186-190 '63.

Supercharging of engines. I. A. Chernov. Trudy IPI no. 18.177-185 '63.

Working order of the cylinders of veed engines. V. M Netyksa. Trudy DIIT no. 40;5-12 '62.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur. · Dvig. vnutr. sgor no. 6 Je '64.

INTERNAL COMBUSTION ENGINES—IGNITION

Use the starter correctly. Tekh. i vooruzh. no. 1:57 Ja '64

INTERNAL COMBUSTION ENGINES—LUBRICATION

"Lubrication of internal combustion engines" by S. V. Ventsel'. Reviewed by F. N. Avdon'kin. Avt. prom 30 no. 3 48, 3 of cover Mr '64.

INTERNAL COMBUSTION ENGINES—TESTING

Method for determining the stresses in the crankshaft of veed internal combustion engines V. M. Netyksa. Trudy DIIT no. 10;13-31 '62.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Internal conversion coefficients for highly forbidden gamma transitions in nuclei. L. A. Borisoglebskii. Zhur. eksp. i teor. fiz. 46 no. 5;1664-1676 My '64.

INTERNAL FRICTION

Effect of thermomagnetic treatment on internal friction in ferromagnetics. F.N.Dunaev. Izv. vys. ucheb. zav.; fiz. no. 2 183-184 '64.

Krishtal, M. A., IU. V. Piguzov, and S. A. Golovin. [Internal friction in metals and alloys] Vnutrennee trenie v metallakh i splavakh. Moskva, Izd-vo Metallurgiia, 1964. 245 p.

INTERNAL SECURITY

Forty-fifth anniversary of the internal security troops of the Republic. I. Kizilov. Voen.-ist. zhur. 6 no. 5:120-123 My '64.

INTERNATIONAL AGENCIES—ABBREVIATIONS

Propagandist's dictionary. Mezhdunar. zhizn' 11 no. 6 151-152 Je '64.

INTERNATIONAL ASSOCIATION OF DEMOCRATIC LAWYERS—CONGRESSES

Law in the service of peace. I. I. Karpets. Sov. gos. i pravo 34 no. 6:71-77 Je '64.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL ECONOMIC RELATIONS

French reformism and problems of the economic policy. F. IA. Polianskii. Vest. Mosk. un. Ser. 8: Ekon., filos. no. 3;34-47 My-Je '64.

INTERNATIONAL EDUCATION

The Pioneer is on friendly terms with the children of the whole world. A. V. Liashenko. Nach. shkola 32 no. 5;12-15 My '64.

INTERNATIONAL RAILROAD LAW see Railroad law, International

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONAL RELATIONS—STUDY AND TEACHING

In the seminars for lecturers of international relations. V. Furaev. Mezhdunar. zhizn' 11 no. 6:155-160 Je '64.

INTERPELLATION see subdivision under Estonia

INTERVERTEBRAL DISK—WOUNDS AND INJURIES

Diagnosis and treatment of lesions of an intervertebral disk. M. D. Gal'perin, E A. Terpugov. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:331-354 '63.

INTESTINAL FISTULA see Fistula, Intestinal

INTESTINES—CANCER

A case of 13-year cure after removal of cancer of the small intestine. Sh. A. Zisman. Vop. onk. 8 no. 12: 70-72 '62.

INTESTINES—DISEASES

Methodology for parietography of the large intestine. V. G. Zaitseva. Sov. med. 27 no. 10:46-49 O '63.

Review of F. K. Men'shikov's book "Intestinal diseases." I. A. Kassirskii. Sov. med. 27 no. 10:153-154 O '63

Significance of other intestinal diseases in the epidemiological analysis of dysentery. G. N. Raikhshtat. Zhur. mikrobiol., epid. i immun. 40 no. 6:123-126 Je '63.

INTESTINES—INFLAMMATION

Study on the classification of chronic colitis and enterocolitis. I. S. Savoshchenko. Sov. med. 27 no. 10:67-75 O '63.

INTESTINES—INTUSSUSCEPTION

Use of short-acting relaxants in the diagnosis of invagination in children [with summary in English] I. A. Pashersnik. Eksp. khir. i anest. 8 no. 5.55-57 S-O '63

INTESTINES—MICROBIOLOGY

Staphylococcus of intestinal origin and its properties. L.I.Agafonova, A.M.Tkachenko. Lab. delo no. 2: 106-110 '64.

INTESTINES—OBSTRUCTIONS

Case of acute gastrointestinal obstruction following torsion of the splenic pedicle. L. V. Kollegova Khirurgiia 38 no 12 113 D '62

Cholelithic obstruction of the intestines. V. I Borodianskii Khirurgiia 39 no 8 58-62 Ag '63.

Methodology for the evaluation of the intestinal content before operations for acute intestinal obstruction. IU. M Dederer. Sov. med. 27 no. 10:131-133 O '63.

Morphological analysis of secretory disorders in the stomach and intestines in case of obstructions in domestic animals M. T Kleinbok. Trudy AZVI 12:369-396 '61

INTESTINES—RADIOGRAPHY

A device for retrograde filling of the large intestine with a barium sulfate contrast suspension. IU. I. Mandrov. Vest. rent. i rad. 38 no. 6:57 N-D '63.

Methodology for parietography of the large intestine. V. G. Zaitseva. Sov. med. 27 no. 10.46-49 O '63.

INTESTINES—SURGERY

Lymphatic vessels in the area of the postoperative cicatrix of the small intestine. Sh. A. [illegible] Eksp. khir. i anest. 8 no. 5:10-13 S-O '63

INTRATRACHEAL ANESTHESIA

Prevention of atelectasis during lung surgery [with summary in English]. M. A [illegible] Eksp. khir. i anest. 8 no. 5:79-84 S-O '63

INVARIANTS

Leonov, V. P. [Some applications of higher semi-invariants to the theory of stationary random processes] Nekotorye primeneniia starshikh semiinvariantov k teorii statsionarnykh sluchainykh protsessov. Moskva, Izd-vo "Nauka," 1964. 66 p.

Metric invariants of equations of geodesics in a quasi-elliptic space. I. P. [illegible], L. V. [illegible], I. V. Rumiantseva. Uch. zap. MGPI no. 208:269-277 '63.

Metric invariants of planes in hyperspaces. B. A. Rozenfel'd, L. M. [illegible], T. A. [illegible] Uch. zap. MGPI no. 208:278-287 '63.

INVENTIONS

Orlov, V. I. [A treatise on inspiration which gives birth to great inventions] Traktat o vdokhnovenii, rozhdaiushchem velikie izobreteniia. Moskva, Izd-vo "Znanie," 1964. 340 p.

INVESTMENTS, FRENCH see subdivision under Africa—Underdeveloped Areas

IODIDES

Absorption spectrum of iodine in aqueous solutions of iodides. I. P. Gorelov, V. V. Serebrennikov. Zhur. fiz. khim. 36 no. 9:2075-2078 S '62.

IODINE see subdivision under Tashkent Province

IODINE—ABSORPTION SPECTRA

Absorption spectrum of iodine in aqueous solutions of iodides. I. P. Gorelov, V. V. Serebrennikov. Zhur. fiz. khim. 36 no. 9:2075-2078 S '62.

IODINE—ANALYSIS

Fast and accurate method for quantitative determination of iodine in a pure preparation and diiodotyrosine tablets. P. P. Suprun. Farmatsev. zhur. 15 no. 4:26-28 '60.

IODINE—PHYSIOLOGICAL EFFECT

Dynamics of the growth and development of the thyroid gland and bones in chicks fed various microdose supplements of iodine. V T. Gortanov. Nauk pratsi Zootekh fak Kam'-Pod sil'hosp. inst 5 47-51 '63

IODINE—THERAPEUTIC USE

Synthesis of iodinated cellulose derivatives and experimental checking of the products obtained for possible use in surgical practice [with summary in English] A. A. Lopatenok and others. Eksp. khir. i anest. 8 no. 5:21-26 S-O '63.

Testing polymeric iodine and antibiotics in summer pneumonias of calves. P. N. Razumovskii. Trudy Smol NIVS no. 2:213-219 '62.

Using iodine against sterility in cattle. S. V. Shilin Trudy Smol. NIVS no. 2:258-263 '62.

IODINE—TOXICOLOGY

Pemphigoid toxidermia from the use of iodine L M Bragina. Vest. derm. i ven. 37 no. 9 79-80 S '63

IODINE COMPOUNDS

Thermodynamic functions of deutero- and iodo derivatives of GeH_4. A. A. Antonov, D. S. Koval'chuk, P. G. Maslov. Ukr. khim. zhur. 30 no. 1:20-24 '64.

[illegible] fiz-mat nauk 7 no.6:51-57 '64.

Iakin, L. P., and V. V. Serebriakov. [Solutions to integral equations describing low-energy pion-pion scattering] Reshenija integral'nykh uravnenii nizkoenergeticheskogo pion-pionnogo rasseianiia. Novosibirsk, In-t matem. s vychislitel'nym tsentrom, 1962. 10, xix p.

One type of singular integral equations. G.S.Litvinchuk, P.G.Khvalov. Sib.mat.zhur. 5 no.3:609-615 My-Je '64.

Spectrum of a Volterra operator on a semiaxis and the exponential increase of solutions to systems of Volterra type integral equations. I. I. Gol'dengershel'. Mat. sbor. 64 no.1:115-139 My '64.

INTEGRALS

Calculation of a specific integral containing Bessel's function. IU. A. Brudnovskii, IU. V. Plotnikov. Zhur. vych. mat. i mat. fiz. 4 no.3:586-588 My-Je '64.

Calculation of continual integrals of the functionals $\Phi[\int_0^t v_1(\tau)dx(\tau),\ldots,\int_0^t v_m(\tau)dx(\tau)]$. V. I. [illegible]. Usp. mat. nauk 19 no.1:155-159 Ja-F '64.

Cubature formulas for calculating integrals from the surface of a sphere. I. P. Mysovskikh. Sib. mat. zhur. 5 no.3:721-723 My-Je '64.

Hypothesis of the independence of round-off errors in numerical integration. N. S. Bakhvalov. Zhur. vych. mat. i mat. fiz. 4 no.3:[illegible] My-Je '64.

INTEGRALS, GENERALIZED

The A-integral and generalized functions. [illegible] Usp. mat. nauk 19 no.2:[illegible] Mr-Ap '64.

Determining the constants of the Christoffel-Schwarz integral for an arbitrary simply connected quadrangle. V. M. Savenkov. Dop. AN URSR no.5:574-576 '64.

Functions represented in the form of a potential. I. N. Kartsivadze. Trudy Vych. tsentr. AN Gruz. SSR 4: 10-20 '64.

[illegible] type functions and the relations between $H_p^r(L_q)$ and $H_p^r(L_q)$ spaces. P. I. Lizorkin. Mat. sbor. 63 no.4:[illegible] Ap '64.

INTEGRALS, MULTIPLE

Derivation of cubature formulas for simple regions. I. P. Mysovskikh. Zhur. vych. mat. i mat. fiz. 4 no.1:3-14 Ja-F '64.

INTEGRATORS

Calculation of the temperature fields around underground frozen ground storage using EI-12 electrointegrators. V. G. Melamed. Merzl. issl. no.3:[illegible] '63.

Current integrator with low input resistance. [illegible] Bilunskina, N. N. Semenov. Prib. i tekh. eksp. [illegible] no.6:[illegible] N-D '64.

INTELLIGENCE SERVICE see subdivision under United States

INTERCHANGEABLE MECHANISMS

Dunin-Barkovskii, I. V. [Principles of interchangeability and technical measurements] Osnovy vzaimozameniaemosti i tekhnicheskie izmereniia. Moskva, Izd-vo "Mashinostroenie," 1964. 301 p.

Soveshchanie po tochnosti, vzaimozameniaemosti i tekhnicheskim izmereniiam v mashinostroenii. 4th, 1962. [Precision, interchangeability and industrial measurements in the manufacture of machinery; transactions] Tochnost', vzaimozameniaemost' i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, Izd-vo "Nauka," 1964. 300 p.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS see subdivision under Europe, Western

INTERFEROMETER

The use of the laboratory ITR-2 interferometer in determining the water salinity in the Arctic area. A. P. Gusilnova. Trudy AANII 248:[illegible] '64.

INTERFEROMETRY

Variable-length ultrasonic interferometer with a discrete frequency spectrum. V. I. [illegible], P. P. [illegible]. Akust. zhur. 10 no.2:244-247 '64.

INTERFEROMETRY--STUDY AND TEACHING

Home-made Michelson interferometers for educational purposes. B. Sh. Perkal'skis, V. L. Larin. Usp. fiz. nauk 83 no.2:171-173 Je '64.

INTERFERON

Antiviral effect of interferon. O. P. Peterson, [illegible] [Li Yu]. Vop. virus. no.6:[illegible] N-D '63.

INTERNAL COMBUSTION ENGINES

Allowed extent of the interlacing of axes of connecting rod heads of a trunk engine. P. A. Dolinskii, B. IA. Sumovskii. Vest. mashinostr. 44 no.5:50-51 My '64.

[illegible]

INTERNAL COMBUSTION ENGINES--[illegible]

[illegible]

INTERNAL COMBUSTION ENGINES--[illegible]

[illegible]

INTERNAL COMBUSTION ENGINES--[illegible]

[illegible]

INTERNAL COMBUSTION ENGINES--[illegible]

[illegible]

INTERNAL [illegible]

[illegible]

INTERNAL [illegible]

[illegible]

INTERNAL [illegible]

[illegible]

INTERNATIONAL [illegible]

[illegible]

INTERNATIONAL [illegible]

[illegible]

INTERNATIONAL [illegible]

[illegible]

INTERNATIONAL [illegible]

[illegible]

INTERNATIONAL [illegible]

[illegible]

INTERNATIONAL [illegible]

INTERNATIONAL RELATIONS [illegible]

INTERNATIONAL RELATIONS [illegible]

[illegible]

INTERPRETATION [illegible]

INTERVERTEBRAL [illegible]

[illegible]

INTESTINAL FISTULA see Fistula, Intestinal

INTESTINES--CANCER

[illegible]

INTESTINES--DISEASES

[illegible]

INTESTINES--INFLAMMATION

[illegible]

[illegible]

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Krylov, V.A [Assembling the equipment of steel smelting plants] Montazh oborudovaniia staleplavil'nykh tsekhov Moskva, Stroiizdat, 1964 289 p (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

IRON AND STEEL PLANTS—HYGIENIC ASPECTS

Sanitary and hygienic working conditions in the production of ferrovanadium and combatting dust during the grinding of charging materials in ball mines. H A. Kolevatov and others. Nauch trudy PermNIUI no 4 171-178 '62.

IRON AND STEEL PLANTS—LABOR PRODUCTIVITY see subdivision under Middle Ural Economic region

IRON CHLORIDES

Solubility in the system $FeCl_2 - MnCl_2 - H_2O$. A.P. Shchedrin, M I.Ozerova, K.G.Khomiakov, Vest. Mosk.un.Ser.2 Khim, 19 no.1:51-52 Ja-F '64.

IRON CHLORIDES—THERMAL PROPERTIES

Heat capacity of iron chloride at low temperatures. M O.Kostriukova Zhur.eksp.i teor.fiz. 46 no.5: 1601-1604 My '64.

IRON-CHROMIUM-COBALT ALLOYS see Chromium-iron-cobalt alloys

IRON COMPOUNDS

Effect of strong electrolytes on the extraction of amyl alcohol of a tributylaminocitrate complex of iron. I V. Piatnitskii, R S Kharchenko Ukr.khim.zhur. 30 no.4 416-418 '64.

Study of catalase-active systems. Part 6. Zh.P.Kachanova, A.P.Purmal'. Zhur.fiz.khim. 38 no.4: 1041-1044 Ap '64.

IRON GROUP

Nonpolarographic peaks on a dropping mercury electrode in the electroreduction of iron group metals. V.F. Ivanov, Z.A.Iofa Zhur.fiz.khim 38 no.4:1026-1030 Ap '64.

IRON INDUSTRY—AUDITING AND INSPECTION see subdivision under Aktyubinsk

IRON INDUSTRY—BY-PRODUCTS

Efficient way of establishing wholesale prices for blast furnace slag. G N Khar'kovets, L P. Makarov. Sbor. trud.Otd.tekh.-ekon.issl.TSNIICHM no.1:151-159 '63.

Methods of establishing new sales prices for ferrous scrap metals and industrial wastes. L. L. Zusman, A.A.Brodov, A.A Dushak. Sbor.trud.Otd.tekh.-ekon. issl.TSNIICHM no.1 137-150 '63.

IRON INDUSTRY—FINANCE

New norms for the amortization of capital assets in ferrous metallurgy. N.I.Mitiaev. Sbor.trud.Otd.tekh.-ekon.issl.TSNIICHM no.1 118-128 '63.

IRON MINES AND MINING

(see also subdivision under Belozerka region, Zaporozh'ye Province; Bulgaria, Kursk Magnetic Anomaly)

Industrial investigation of ore removal from a stoping area of rhomboid shape. D.Z.Gel'man, F.Z. Frenkel', A.M.Baluta, Gor.zhur., no.5:25-27 My '64.

Short-delay blasting in medium hardness ores with fan distribution of the boreholes. N.I.Diadechkin and others. Gor.zhur. no.5 39-40 My '64

IRON MINES AND MINING—LABOR PRODUCTIVITY see subdivision under Krivoy Rog Basin

IRON–MOLYBDENUM ALLOYS

Structure and properties of molybdenum alloyed rapid steels. G.A.Kossovich, IU.A.Geller. Metalloved. i term.obr.met. no.5 3-9 My '64.

IRON ORES

(see also subdivision under Kostomuksha region, Karelia; Krivoy Rog Basin)

Accessory apatite from an iron ore deposit. E.Kh. Gul'ian. Izv.AN Arm.SSR.Nauki o zem. 17 no.1:3-9 '64.

Gol'denberg, L.I. [Native alloy cast iron is an industrial potential] Prirodnolegirovannyi chugun - rezerv promyshlennosti. Moskva, Izd-vo Metallurgiia, 1964, 110 p.

IRON ORES—ANALYSIS

Composition of iron ores in the Glazov syneclise. V.P. Naboshchikov, A.M.Kropachev. Geol.rud.mestorozh. 6 no.2:116-118 Mr-Ap '64.

IRON SALTS

Effect of iron salts on the adsorption of xanthates with sulfides. L.A.Hlazunov, O.A.Ratnykova. Izv.AN Uz. SSR.Ser.tekh.nauk 8 no.1 81-84 '64.

IRON–SILICON ALLOYS—CORROSION

Effect of chromium and silicon on the corrosion resistance of low-alloy and siliceous steels in superheated steam. V.M.Nikiforova, I.L.Kharina. Metalloved.i term.obr.met. no.4:25-29 Ap '64.

IRONWORKS see Iron and steel plants

IRRIGATION

(see also subdivision under Amu Darya Delta region, Caucasus, Northern, Chu Valley, Kazakhstan; Murgab Oasis; Ukraine, Volga Valley)

All-Union Scientific-Technological Conference on the Problems of Controlling the Salinization and Improving the Meliorative State of the Irrigated Lands in Central Asia, Southern Kazakhstan, and Azerbaijan IA K. Shtarev, L.B.Levanovskii. Gidr i mel 16 no 5:60-61 My '64

Increasing the economic effectiveness of basin snow water irrigation V S Dmitriev Vest sel'khoz nauki 9 no 5 24-31 My '64

Ivanov, N.A. [Tale of running water] Povest' o zhivoi vode. Moskva, Izd-vo "Znanie," 1964, 90 p. (Narodnyi universitet kul'tury; Sel'skokhoziaistvennyi fakul'tet, no.5)

New types of washing systems V S Besan Elek sta 35 no 2 81-82 F '64

Results of studying the intrasystem sedimentation tanks of Amur Darya. N.Bekimbetov. Izv.AN Uz.SSR.Ser. tekh.nauk 8 no.1 50-54 '64.

Scientific-technical conference on the use of polymers in agriculture A.IA Gol'din. Khim.v sel'.khoz. 2 no.1. 57-59 Ja '64.

Some observations on the classification of the structures of irrigation systems. V.M.Dombrovskii. Gidr.i mel. 16 no.4:61-62 Ap '64.

Trenchless laying of water lines in subsoil irrigation [with summaries in English, German, and French]. V.K.Morozov. Vest.sel'khoz.nauki 8 no.9:110-113 S '63.

Ziulikov, G.M., and V.A.Anisimov. [Designing and constructing subsurface irrigation system with mechanized irrigation] Proektirovanie i stroitel'stvo zakrytykh orositel'nykh sistem s mekhanizatsiei poliva. Moskva, Stroiizdat, 1964. 99 p.

IRRIGATION—COLD WEATHER CONDITIONS

Methods of thermal calculations of pressure pipes in irrigating with runoff waters in winter. V.M.Novikov. Trudy VNIIGIM 42:20-30 '63.

IRRIGATION—EQUIPMENT AND SUPPLIES

Automatic regulating and water measuring devices for irrigation systems. V.N.Gorinskii. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:92-96 Ap '64.

Hydraulic power feeder for sprinklers and irrigation machines. S. Vaneian. Tekh v sel'khoz 24 no 5 32-35 My '64

Water meter for closed irrigation systems. V.IA.Popova. Trudy VNIIGIM 42:52-72 '63.

IRRIGATION CANALS AND FLUMES

(see also subdivision under Bulgaria; Karakum; Kirghizistan, Uzbekistan)

The D-560 concrete laying machine for concreting irrigation channels. A.IA.Gol'din. Stroi.i dor.mash. 9 no.3:3-5 Mr '64.

Plastic materials in irrigation. Gidr.i mel. 16 no.4: 63 Ap '64.

IRRIGATION FARMING

(see also subdivision under Kirghizistan; Turkmenistan; Ukraine)

Effectiveness of the physiological method of the establishment of irrigation periods. N.S.Petinov. Gidr.i mel. 16 no.4:45-48 Ap '64.

Irrigated lands as national wealth. E.E.Alekseevskii. Gidr.i mel. 16 no.4:22-33 Ap '64.

Problems of irrigation and land improvement at the February Plenum of the Central Committee of the CPSU. I.P.Volovchenko and others. Gidr.i mel. 16 no.4:3-21 Ap '64.

Some preliminary results of the calculation of irrigation conditions based on meteorological data I G Gorbunova Trudy GGO no.144 202-208 '63

Water, machinery, harvest. V.Shaumian. Izobr.i rats. no.6:4-5 '64.

IRRIGATION RESEARCH

In the Department of Hydraulic Engineering and Land Improvement. Vest sel'khoz nauki 9 no.4:147-151 Ap '64.

IRTYSH VALLEY—ROCKS, CRYSTALLINE AND METAMORPHIC

Metamorphic formations in the Irtysh shear zone; practice of determination. B.IA.Khoreva. Trudy VSEGEI 94: 121-136 '63.

ISHIMBAY REGION—PETROLEUM PRODUCTION

Evaluating the effect of the properties of reservoir fluid and the amount of interstitial water on the recovery factor in depletion drive in the Ishimbay fields I I Abyzbaev. Neft khoz. 41 no.6 31-35 Je '63

ISLANDS see subdivision under Caspian Sea

ISOCYANATES

Catalytic synthesis of nitropolyurethanes by copolymerization of diisocyanates with nitrodiols and nitrotriols. N.L.Solodova, L.M.Kozlov, V I.Burmistrov. Vysokom. soed. 6 no.4:722-725 Ap '64.

ISOMERIZATION

Catalytic isomerization of β-tetrahydrofurylpropionic esters N.I.Shuikin, V M.Shostakovskii, I.F. Bel'skii. Dokl.AN SSSR 156 no 5:1137-1139 Je '64.

Isomerization of bromopropane A M Rozhnov, D.N Andreevskii Neftekhimiia 4 no 1 111-118 Ja-F '64

ISOMERS

Dipole moments of stereo isomers of 2-methyl-4-keto-octahydro-1-pyrindine. I.IU.Kokoreva. Zhur.strukt. khim. 5 no.2:314 Mr-Ap '64.

ISOMORPHISM

Some general problems of isomorphism. V.I.Lebedev. Zap.Vses.min.ob-va 93 no.2:128-138 '64.

ISONIAZID

Dynamics of the coefficient of incomplete oxidation of urine in cutaneous tuberculosis during tubazid therapy [with summary in English] I.B Veinerov, R P Vel'tman Vest derm i ven 37 no 9 16-20 S '63.

ISONICOTINIC ACID

Iodochlorometric method for quantitative determination of formaldehyde and acetone and a new qualitative reaction for larusan. P.P.Suprun. Farmatsev.zhur. 17 no.6:37-40 '62.

ISOPRENE

Alkenylation of m-cresol with isoprene on the KU-2 cation- exchange resin. V.I.Isagulians, V.P. Evstaf'ev. Dokl.AN Arm.SSR 38 no.4:235-239 '64.

Experimental basis for the permissible concentration of isoprene in bodies of water. N.V.Klimkina. San.okhr. vod.ot zagr.prom.stoch.vod. no.5:28-43 '62.

ISOTOPE EXCHANGE

Isotope exchange between carbon dioxide and its ethanolamine solutions. I.A.Semiokhin and others. Vest. Mosk.un.Ser.2: Khim. 19 no.1:35-39 Ja-F '64.

"Isotopes exploring chemical reactions" by I.P. Gragerov. Reviewed by A.I.Shatenshtein. Ukr.khim. zhur. 30 no.1:113-114 '64.

ISOTOPE SEPARATION

Extraction chemistry of fermium and mendelevium (TBP - HNO_3, TBP - HCl). I.Brandshteir and others. Radiokhimiia 6 no.1.26-35 '64.

Isotopic effect in the distribution of titanium compounds between water and benzene. E.M.Kuznetsova, O.T. Nikitin. Zhur.fiz.khim. 36 no.9:2050-2052 S '62.

Separation of barium and strontium by the exchange method in the system amalgam - solution. B.P. Kiselev and others. Radiokhimiia 6 no.1:114-117 '64.

ISOXAZOLE

Isotope hydrogen exchange of 3,5-dimethylisoxazole with acids. V.N.Setkina, S.D.Sokolov. Izv.AN SSSR.Ser. khim. no.6:986-990 My '64.

ISOXAZOLIDINONE

Hydroxylamine derivatives. Report No.7: Synthesis of 4-substituted 3-isoxazolidones. R.M.Khomutov, E.S. Severin, M.IA.Karpeiskii. Izv.AN SSSR.Ser.khim. no.5:890-893 My '64.

ISRAEL—FOREIGN RELATIONS—ARAB COUNTRIES

Utilization of the waters of Jordan River. B.Solov'ev. Mezhdunar.zhizn' 11 no.6:144-146 Je '64.

ISSYK, LAKE

Destruction of a mountain lake; a mud torrent on the Issyk. E.M.Kalmykina, A.P.Gorbunov, Priroda 53 no.6:81-84 '64.

ISSYK RIVER—FLOODS

Destruction of a mountain lake; a mud torrent on the Issyk. E.M.Kalmykina, A.P.Gorbunov. Priroda 53 no.6:81-84 '64.

ISSYK VALLEY—AVALANCHES

Buried avalanches in the Trans-Ili Alatau. A.P.Gorbunov. Vest.Mosk.un.Ser.5: Geog. 19 no.3:88-90 My-Je '64.

ISSYKKUL'—LIFESAVING STATIONS

Not one victim of the water. V.Kamenskii. Voen.znan. 40 no.4:40-41 Ap '64.

ISSYKKUL' DEPRESSION—BIRDS

Wintering birds in some areas of the Issykkul' Depression P.P.Vtorov. Ornitologiia no.6:364-367 '63.

ITALY—CHEMICAL INDUSTRIES

Changes in the geography of the chemical industry of Italy in the postwar years. V.N.Glukhov. Izv.AN SSSR.Ser.geog no.3 35-40 '64.

ITALY—DESCRIPTION AND TRAVEL

Italy through the eyes of a geologist. D. I Shcherbakov. Priroda 53 no. 6:96-106 '64.

ITALY—FLOUR MILLS

Processing corn into flour with the separation of the embryo in Italy and France. A. Danilin, G. Bardyshev. Muk.-elev.prom. 30 no. 6 27-31 Je '64.

ITALY—GEOLOGY

Italy through the eyes of a geologist. D. I. Shcherbakov. Priroda 53 no. 6 96-106 '64.

ITALY—LAND TENURE

Evolution of the long lease holding system in northeastern Italy from the 12th to the 14th century. V. V. Samarkin. Vest. Mosk. un. Ser. 9: Ist. 19 no. 3 67-78 My-Je '64.

ITALY—OPERA

Five evenings of Italian opera. L. Poliakova Sov. muz 27 no. 12:124-133 D '63.

ITALY—RELATIONS (GENERAL) WITH RUSSIA

Potentialities of mutual cooperation Prof -tekh. obr 21 no 5-32 My '64.

ITALY—RENAISSANCE

I. N. Golenishchev-Kutuzov's monograph "The Italian Renaissance and Slavic literatures of the 15th and 16th centuries." D. S. Likhachev Izv AN SSSR. Ser. lit. i iaz 22 no. 6.540-543 N-D '63.

ITALY—SPRINKLER IRRIGATION

Sprinkler irrigation in Italy L IU Moreino. Gidr. i mel. 16 no. 5;42-49 My '64

ITURUP ISLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Neogene sediments of Iturup Island (Kurile Islands) V. B. Sergeeva. Dokl. AN SSSR 156 no. 4;834-837 Je '64.

IUL'TIN (MAGADAN PROVINCE)—MINING ENGINEERING

Story about how Vadim Veniaminovich quarreled with the mine. N. Kriukova. Izobr. i rats no. 6:22 '64.

IVAN FEDOROV, Printer, d. 1583

Nemirovskii, E. L. [The origin of printing in Moscow. Ivan Fedorov] Vozniknovenie knigopechataniia v Moskva. Ivan Fedorov. Moskva, Izd-vo "Kniga," 1964. 402 p.

When did Ivan Fedorov, the printer of early books, die and where is he buried? E. L. Nemirovskii Vop. ist. 39 no. 6-213-215 Je '64.

IVANOV, ANATOLII STEPANOVICH, 1928-

Beware of scorpions! N. IAnovskii. Oktiabr' 40 no. 2: 210-215 F '64.

IVANOV, VLADIMIR VLADIMIROVICH, 1873-1931

Professor Vladimir Vladimirovich Ivanov, on the 90th anniversary of his birth. A. P. Dolgov, N. S. Smelov. Vest. derm. i ven. 37 no. 9 73-75 S '63.

IVANOVO—ELECTRIC INDUSTRY WORKERS

How we benefit from the plant fund. V. Sonnikov. Sov. profsoiuzy 20 no. 13.37 Jl '64.

IVANOVO—FLIES

Materials on the ecology and morphology of preimaginal phases of the synanthropic fly Ceroxys urticae L (Diptera, Otitidae). A M. Lobanov. Ent oboz 43 no. 1. 67-70 '64.

IVANOVO—MINERAL WATERS

Changes in some liver functions in relation the treatment with the Sosnevskiy mineral water. I. I Valova. Sbor. nauch. trud. Ivan. gos. med. inst. no. 25;102-104 '62.

IVANOVO—TUBERCULOUS—REHABILITATION, ETC.

Tenth anniversary of the Ivanovo technical school. M. Aleksakhin. Sots. obesp. 25 no. 3;45 Mr '64.

IZHEVSK—FIREARMS INDUSTRY—HYGIENIC ASPECTS

Organization of medical aid for the workers of the Izhevsk Gun Factory in the prerevolutionary period. M. M. Vilenskii. Trudy Perm. gos. med. inst. 43;274-278 '63.

JACQUARD WEAVING

Granovskii, S. G. [Jacquard fabrics; cutting of pattern cards] Zhakkardovye tkani; patronirovanie risunkov. Moskva, Izd-vo "Legkaia industriia," 1964. 373 p.

Weave selection in making the pattern cards for simple Jacquard fabrics. E. V. Arofikin. Tekst. prom. 24 no. 4:35-38 Ap '64.

JAGIČ, VATROSLAV, 1838-1923

From the history of the writing of the "Encyclopedia of Slavic philology." V. Jagič's unknown letters to A. N. Pypin. M. F. P'ianykh. Rus. fol'k. 8;373-380 '63.

JANSONS-BRAUNS, J. 1872-1917

Steinberga, V. [J. Jansons-Brauns' philosophical views] J. Jansona-Brauna filozofiskie uzskati. Riga, Latvijas Valsts izd-ba, 1964. 122 p. [In Latvian]

JAPAN—FOREIGN RELATIONS

We need to live in peace and friendship. IU. Vasil'ev. Mezhdunar zhizn' 11 no. 6 126-128 Je '64.

JAPAN—FOREIGN RELATIONS—AUSTRALIA

"Australian diplomacy and Japan, 1945-1951" by R. N. Rosecrance. Reviewed by N. P Letova. Nov. i noveish. ist. no. 2 159-160 '64.

JAPAN—FOREIGN RELATIONS—RUSSIA

A I Mikoian on Soviet-Japanese relations Nov vrem 21 no 23 1-8 Je '64

JAPAN—MACHINE-TOOL INDUSTRY

Machine-tool industry in Japan. V. M. Vladimirov. Biul tekh.-ekon inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:79-82 My '64.

JAPAN—SCIENCE—INFORMATION SERVICES

Japanese center for information on science and technology. V. IU. Afremov. NTI no. 4;51-54 '64.

JAPAN—SOCIAL CONDITIONS

Akademiia nauk SSSR. Institut narodov Azii. [Contemporary Japan; collection of articles] Sovremennaia IAponiia; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 294 p.

JAPAN—TECHNOLOGY—INFORMATION SERVICES

Japanese center for information on science and technology. V. IU. Afremov. NTI no. 4;51-54 '64.

JAPAN SEA—DESCRIPTION AND TRAVEL

Smuul, Juhan. [Sea of Japan, December] Jaapani meri, detsember. Tallinn, Eesti Riiklik Kirjastus, 1963. 141 p. (Reisikirjelduste sari "Maailm ja monda") [In Estonian]

JAPANESE LANGUAGE—BIBLIOGRAPHY see Bibliography—Japanese language

JAPANESE LANGUAGE—TENSE

Problems in the study of grammatical tenses N A Syromiatnikov. Krat. soob. Inst. nar. Az. no 72;208-222 '63.

JAPANESE LANGUAGE—WRITING

Discernment of morphemes as a function of the hieroglyphs in modern Japanese writing. A. N Sokolov. Krat. soob. Inst. nar. Az. no. 72;160-167 '63.

JAUNDICE

Effect of vitamin B_{12} on the growth and development of caterpillars and the manifestation of jaundice in mulberry silkworms. O. N. Mamedniiazov and others. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 30-34 '64.

Preoperative transcutaneous intrahepatic cholangiography B A Landa Khirurgiia 38 no 12 79-83 D '62

Significance of the chromatographic and spectrophotometric determinations of bilirubin fractions in jaundice of the newborn. TS I. Kartoziia Soob. AN Gruz. SSR 30 no. 3 297-304 Mr '63.

JAWS—RADIOGRAPHY

Differential X-ray diagnosis of some tumoral and tumorlike diseases of the mandible. V. M. Bentsianova, S. IA. Bal'sevich. Vest. rent. i rad. 38 no. 6:32-44 N-D '63.

JAWS—TUMORS

Differential X-ray diagnosis of some tumoral and tumorlike diseases of the mandible. V. M. Bentsianova, S. IA. Bal'sevich. Vest. rent. i rad. 38 no. 6:32-44 N-D '63.

JETS—FLUID DYNAMICS

Fluid jet efflux into a subsonic air flow. A. I. Usmanov. Inzh.-fiz. zhur. 7 no. 5.112-118 My '64.

Motion of a particle in a free jet. G. E. Skvortsov. Inzh.-fiz. zhur. 7 no. 5-100-106 My '64.

Propagation of a laminar twisted jet in a cocurrent accelerated flow. E. P. Ivanov. Trudy LPI no. 230;90-97 '64.

JEWS—HISTORY

Documents found in Nakhal Khover. L. Kh. Vil'sker. Vest. drev. ist. no. 1;120-130 '64.

JOINTS

Some materials on the localization of the synovial villi of carpal and tarsal joints in horses Zh. O Omarov Trudy AZVI 12:466-473 '61.

JOINTS—CANCER

A case of malignant synovioma. P. P. Kenig. Vest. rent. i rad. 38 no. 6;59-60 N-D '63.

JOINTS—INNERVATION

Characteristics of microinnervation of the capsules of coxofemoral joints in some carnivorous animals. L. IU. Honcharenko. Dop. AN URSR no. 5:666-670 '64.

JOINTS—RADIOGRAPHY

Kagan, E. M. [Tomography of the bones and joints; the trunk and the extremities] Tomografiia kostei i sustavov; tulovishcha i konechnostei. Moskva, Meditsina, 1964. 253 p.
(DNLM)

JOINTS—TUBERCULOSIS

Kornev, P. G. [Surgery of osteoarticular tuberculosis] Khirurgiia kostno-sustavnogo tuberkuleza. [Leningrad] Meditsina, 1964. 549 p.
(DNLM)

JOINTS (BUILDING)

Adhesive characteristics of mastic sealers. G. B. Ivianskii, A. T. Gureev, N. N. Rykova. Stroi. mat. 10 no. 2;7-9 F '64.

Concreting vertical seams of cylindrical shells. E. V. Lavrinovich and others Transp. stroi. 14 no. 3;45-48 Mr '64.

JORDAN VALLEY—WATER RESOURCES DEVELOPMENT

Utilization of the waters of Jordan River. B. Solov'ev. Mezhdunar. zhizn' 11 no. 6 141-146 Je '64.

JOSEPHINISM

"Josefinism; history of the attempts to reform the Catholic Church in Austria, 1740-1848" [in German] by E. Winter. Reviewed by S. D. Skazkin. Nov. i noveish. ist. no. 1;129-132 '64.

JOURNALISM

Cherepakhov, M. S. [Writing sketches] Rabota nad ocherkom. [Moskva] Izd-vo Mosk. univ., 1964. 88 p.

JOURNALISM, MILITARY

"This is a Communist Youth League number." Komm. Vooruzh. Sil 4 no. 9:91-92 Ap '64.

JOURNALISTS—CORRESPONDENCE, REMINISCENCES, ETC.

Mar, N. I. [50 interviews] 50 interv'iu. Moskva, Sovetskaia Rossiia, 1964. 603 p.

JUDGMENTS

Loginov, P. V. [Decision in government arbitration procedure] Reshenie gosudarstvennogo arbitrazha. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 147 p.

JUPITER (PLANET)

Photometric properties of the red spot on Jupiter. V. G. Teifel'. Astron. zhur. 41 no. 3;531-538 My-Je '64.

JUSTICE, ADMINISTRATION OF see subdivision under Germany, West

JUVENILE DELINQUENCY
(see also subdivision under Leningrad)

Will they understand? V. Pankova Sem'ia i shkola 19 no. 3;40 Mr '64.

JUVENILE DELINQUENCY—CASE STUDIES see subdivision under Kaduy (Vologda Province)

JUVENILE DELINQUENCY—RESEARCH

Methods of crime prevention work among juveniles N D'iachkov, E Smorodinskaia, S Ostroumov. Sots zakon. 41 no. 3 26-29 Mr '64

KAARIKU (ESTONIA)—SUMMER SCHOOLS

Algebraic summer school at Kaariku. E. IA. Gabovich. Usp. mat. nauk 19 no. 1:232-234 Ja-F '64.

KABARDINO-BALKAR A. S. S. R.—BIRDS

Changes in the distribution and composition of avifauna of the Kabardino-Balkar A. S. S. R. under the influence of man. V. G. Ivanov, S. P. Chunikhin. Uch. zap. Kab.-Balk. gos. un. no. 10;199-204 '61.

KABARDINO-BALKAR A. S. S. R.—BIRDS OF PREY

Birds of prey of the Kabardino-Balkar A. S. S. R. V. G. Ivanov, V. V. Dmitriev. Uch. zap. Kab.-Balk. gos. un. no. 10;161-173 '61.

KABARDINO-BALKAR A. S. S. R.—BOTANICAL RESEARCH

Biology of plant development; prospects for the study of phasic, age-conditioned and organ-formative processes and their correlations under conditions of vertical zonality prevailing in the Kabardino-Balkar A. S. S. R. K. N. Kerefov. Uch. zap. Kab.-Balk. gos. un. no. 10;3-4 '61.

KABARDINO-BALKAR A. S. S. R.—CARP

Systematic survey and biological characteristics of fishes of the carp family (Cyprinidae) in the Kabardino-Balkar A. S. S. R. A. N. Parfenik. Uch. zap. Kab.-Balk. gos. un. no. 10;147-160 '61.

KABARDINO-BALKAR A. S. S. R.—CORN (MAIZE)

Characteristics of the surface mass of corn leaves in the Kabardino-Balkar A. S. S. R. I. P. Shcherbina, I. A. Shul'gin. Uch. zap. Kab.-Balk. gos. un. no. 10;55-60 '61.

Effect of various climatic conditions under the conditions of vertical zonality on the growth of plants and changes in the pigment system of potato leaves. V. A. Visloukh, I. A. Shul'gin. Uch. zap. Kab.-Balk. gos. un. no. 10; 47-54 '61.

KABARDINO-BALKAR A. S. S. R.—FIELD MICE

Taxonomy and biology of wood mice (Apodemus sylvaticus) in the Kabardino-Balkar A. S. S. R. A. K. Tembotov, M. G. Nesmchenko. Uch. zap. Kab.-Balk. gos. un. no. 10; 209-219 '61.

KABARDINO-BALKAR A. S. S. R.—FLEA BEETLES

Flea beetles (Halticinae) in hemp fields in the Kabardino-Balkar A.S.S.R. V.Sh.Karaeva. Uch.zap.Kab.-Balk.gos.un. no.10:221-228 '61.

KABARDINO-BALKAR A. S. S. R.—HEMP—DISEASES AND PESTS

Flea beetles (Halticinae) in hemp fields in the Kabardino-Balkar A.S.S.R. V.Sh.Karaeva. Uch.zap.Kab.-Balk.gos.un. no.10:221-228 '61.

KABARDINO-BALKAR A. S. S. R.—HISTORY

On the history of the relationship and friendship between the Kabardian and Ossetian peoples V.P Krikunov. Izv.Sev.-Oset.nauch -issl inst 18 185-202 '56

KABARDINO-BALKAR A. S. S. R.—HYBRID CORN

Characteristics of the leaf apparatus in corn in the Kabardino-Balkar A.S.S.R. I.P.Shcherbina, I A. Shul'gin. Uch.zap.Kab.-Balk.gos.un no.10,41-46 '61.

Morphological and physiological analysis of the double-cross corn hybrids VIR-42 and VIR-25 in the foothill zone of the Kabardino-Balkar A.S.S.R. P.G.Luchkov. Uch.zap.Kab.-Balk.gos.un. no.10;5-21 '61.

KABARDINO-BALKAR A. S. S. R.—LADYBIRDS

Variability and formation of species among Coccinellidae. N.I.Nefedov. Uch.zap.Kab.-Balk.gos.un. no.10: 129-145 '61.

Zonal character in the distribution of the Coccinellidae of the Kabardino-Balkar A.S.S.R. N.I.Nefedov. Uch.zap.Kab.-Balk.gos.un. no.10:105-127 '61.

KABARDINO-BALKAR A. S. S. R.—LEGUMES

Biological control of the development of leguminous grasses in connection with the improvement of meadows and pastures of the Kabardino-Balkar A.S.S.R. I G Butov. Uch.zap.Kab.-Balk gos.un. no.10:23-30 '61.

KABARDINO-BALKAR A. S. S. R.—PARTRIDGES

Biology of the Caucasian snow cock (Tetraogallus caucasicus Pall.) in the Kabardino-Balkar A.S.S.R. V.G. Ivanov, Zh.Kh.Baziev. Uch.zap.Kab.-Balk.gos.un. no.10:175-192 '61.

KABARDINO-BALKAR A. S. S. R.—PASTURES AND MEADOWS

Biological control of the development of leguminous grasses in connection with the improvement of meadows and pastures of the Kabardino-Balkar A.S.S.R. I.G. Butov. Uch.zap.Kab.-Balk.gos.un. no.10:23-30 '61.

KABARDINO-BALKAR A. S. S. R.—REDSTART

Ecology of the redstart Phoenicurus er erythrogaster Guld. in the Kabardino-Balkar A.S.S.R. Zh Kh.Baziev, S.P.Chunikhin Ornitologiia no.6 235-237 '63

KABARDINO-BALKAR A. S. S. R.—SUNFLOWERS

Changes in the shape and size of sunflower leaves in connection with the stages of its organogenesis. F.M. Kuperman, V.Z.Podol'nyi, I.A.Shul'gin. Uch.zap.Kab.-Balk.gos.un. no.10:31-40 '61.

KABARDINO-BALKAR A. S. S. R.—WILD FLOWERS

Some physiological characteristics of the seeds of wild plants. L.A.Kuznetsova, L.Z.Zlobina. Uch.zap.Kab.-Balk.gos.un. no.10:61-66 '61.

KADOM DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

Transfer the economically weak collective farms to a monetary wage system. A. Antonova. Den. i kred. 22 no.5:48-51 My '64.

KADUY (VOLOGDA PROVINCE)—JUVENILE DELINQUENCY—CASE STUDIES

This is not only the court case. Vik.Polynin. Sov. profsoiuzy 20 no 9:30-32 My '64.

KADUY (VOLOGDA PROVINCE)—TRADE UNIONS

This is not only the court case. Vik.Polynin. Sov. profsoiuzy 20 no.9:30-32 My '64.

KADZHARAN (ARMENIA)—COPPER MINES AND MINING

E. Airapetian is an outstanding bulldozer operator. Sh.Gasparian Prom Arm 7 no.2:52-54 F '64.

KAFAN (ARMENIA)—COPPER MINES AND MINING

Outlook for the use of roof bolting in mines of the Kafan Copper Works. V Voronin, B.Ambartsumian Prom Arm 7 no 2 24-28 F '64.

KAFAN (ARMENIA)—MINE ROOF BOLTING

Outlook for the use of roof bolting in mines of the Kafan Copper Works. V Voronin, B.Ambartsumian. Prom. Arm. 7 no.2 24-28 F '64

KAGARLYK REGION (KIEV PROVINCE)—FIELD CROPS

On the farms of an advanced regional administration. Zemledelie 26 no.5:29-30 My '64.

KAKHETIA—GEOLOGICAL TIME

Age of Krasnyye Kolodtsy limestone in southern Kakhetia. A. T. Dzigrashvili. Trudy VNIGNI no. 3:221-223 '63.

KAKHETIA—LIMESTONE

Age of Krasnyye Kolodtsy limestone in southern Kakhetia A. T. Dzigrashvili. Trudy VNIGNI no 38 221-223 '63

KAKHOVKA (KHERSON PROVINCE)—CORN (MAIZE)

Enthusiasts of a useful business. S.Fedchenko. NTO 6 no.3:32-33 Mr '61

KALASHNIKOV, MIKHAIL TIMOFEEVICH

Second birth N.Rachkova Sov. voin 46 no 7:25 Ap '64.

KALININ PROVINCE—FLAX

Role of mechanization in chemical weed control in flax fields I.F Diuev Zashch. rast. ot vred. i bol. 8 no 10:4-5 O '63.

KALININ PROVINCE—TECHNOLOGICAL INNOVATIONS

Practice of voluntary design and engineering offices in the enterprises of Kalinin Province E. A. Berenshtein Biul. tekh.-ekon. inform. Gos. nauch.-issl inst. nauch. i tekh. inform. 17 no.5 66-67 My '64.

KALININ PROVINCE—WEED CONTROL

Role of mechanization in chemical weed control in flax fields I.F Diuev Zashch rast. ot vred i bol. 8 no.10 4-5 O '63.

KALININGRAD—BANKS AND BANKING—ACCOUNTING

For a wider use of accounting machines F. Tarakanov. Den. i kred 22 no.5 58-61 My '64.

KALININGRAD—CABLEWAYS

Cableway. A.A.Khimchenkov. Der. prom. 13 no.6 27-28 Je '64.

KALININGRAD—ELECTRIC POWER DISTRIBUTION

Conversion of a 6 kv. network of the eastern part of Kaliningrad to closed system operation. M.I.Polonskii. Trudy LIEI no.49:131-169 '63.

KALININGRAD—WOOD WASTE—TRANSPORTATION

Cableway. A.A.Khimchenkov. Der. prom. 13 no.6: 27-28 Je '64

KALININGRAD PENINSULA—PALEOBOTANY, STRATIGRAPHIC

Tertiary flora of the Kaliningrad Peninsula. Part 4 L.IU.Budantsev, I.N.Sveshnikova. Trudy Bot. inst. Paleobot. Ser. 8 no 5:81-112 '64.

KALININGRAD PROVINCE—INDUSTRIAL HYGIENE

Public control and industrial hygiene. P.Seliverstov. Okhr. truda i sots. strakh. 7 no.6:5 Je '64.

KALININGRAD PROVINCE—WINDS

Dorfman, TS.IA., and Abram Ukmergiskis. [Wind regime of the Lithuanian S. S. R. and Kaliningrad Province of the R. S. F. S. R.] Vetrovoi rezhim po territorii Litovskoi SSR i Kaliningradskoi oblasti RSFSR. Vil'nius, Gospolitnauchizdat Litovskoi SSR, 1964. 67 p.

KALUGA—ARTISTS

Dneprovskii, M.M. [The artists of Kaluga] Khudozhniki Kalugi. Leningrad, "Khudozhnik RSFSR," 1963. 117 p. illus.

KALUGA—COMMUNIST PARTY OF THE SOVIET UNION

Monthly and quarterly .. V.Nefedov. Part. zhizn' no.10:37 My '64

KALUGA—LIBRARIES, SPECIAL

Where they need help. I.Bychenkov. Bibliotekar' no.6:16-17 Je '64.

KALUGA PROVINCE—FOREST SOILS

Gray forest soils of the Sukhinichi-Meshchovsk region of the central Russian province. I.S.Urusevskaia. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no.6:55-64 N-D '62.

KAMA VALLEY—FOREST ECOLOGY

Tentative classification of the conifer-hardwood forests of the Volga-Kama area. V.S.Porfir'ev. Bot. zhur. 49 no.2:210-222 F '64.

KAMA VALLEY—ORE DEPOSITS

Effect of saline folding on the distribution of potassium chloride in sylvinite seams of the Upper Kama deposit. V.I.Kopkin, L. A. Ledentsov. Nauch. trudy PermNIUI no.4:24-29 '62.

KAMA VALLEY—PETROLEUM GEOLOGY

Bathygenic structure and the prospects for finding gas and oil in the Bavly sediments of the Upper Kama Depression. A.A.Klevtsova, M.I.Ostrovskii. Geol. nefti i gaza 8 no.3:10-13 Mr '64.

KAMA VALLEY—POTASH MINES AND MINING

Improvement of working carnallite in Upper Kama mines. G. L. Lapin, A. N. Tregubov. Nauch. trudy PermNIUI no.4:133-135 '62.

KAMA VALLEY—PROSPECTING

Density of the exploratory network in the stage of detailed exploration of the Upper Kama deposit. V.I. Kopnik, V.I.Raevskii, L. A. Lebentsov. Nauch. trudy PermNIUI no.4,30-39 '62.

KAMA VALLEY—WOODPECKERS

Ecologic and morphologic characteristics of some woodpeckers I V Nazarova. Ornitologiia no 6 478-480 '63

KAMCHATKA—LIVER FLUKE

State of the gastrointestinal tract in opisthorchiasis occurring in Kamchatka. L.T Babkin. Sov. med. 27 no.10,142-146 O '63.

KAMCHATKA—WATER BIRDS

Wintering of water birds in Kamchatka V I Markov Ornitologiia no 6 376-383 '63

KAMENKA (PENZA PROVINCE)—CORN PRODUCTS

Groats for corn flakes. M.Solov'ev. Muk.-elev. prom. 30 no.5:20-21 My '63.

KANASH (CHUVASHIA)—RAILROADS—CARS

Research is their motto V. Vishniakov NTO 5 no.9: 46-50 S '63

KANEV (UKRAINE)—SUMMER SCHOOLS

Summer mathematics school at Kanev. IU.A.Mitropol'skii, IU.IU.Trokhimchuk. Usp. mat. nauk 19 no.1 229-231 Ja-F '64.

KANIN PENINSULA—PALEOBOTANY

Permian vegetation and climate of the Kanin Peninsula according to spore and pollen analysis. V.A.Molin. Izv. Komi. fil. Geog. ob-va SSSR no.8:72-76 '63.

KANIN PENINSULA—PALEOCLIMATOLOGY

Permian vegetation and climate of the Kanin Peninsula according to spore and pollen analysis. V.A.Molin. Izv. Komi. fil. Geog. ob-va SSSR no.8:72-76 '63.

KAOLIN

Effect of kaolin on the properties of polymethyl methacrylate and polystyrene. IU.G.Tarasenko, I.A. Uskov, V.P.Solomko. Ukr. khim. zhur. 30 no.1,86-90 '64.

KAPIEV, effendi, 1909-1944—BIBLIOGRAPHY see Bibliography—Kapiev, effendi, 1909-1944

KAPITSA, PETR LEONIDOVICH, 1894-

Noteworthy dates in science and technology. Shkola i proizv. 8 no.6:94-96 Je '64.

KAPP, EUGEN, 1908-

Korvits, Harri. Eugen Kapp. Tallinn, Eesti Riiklik Kirjastus, 1964. 93 p. (Eesti heliloojaid) [In Estonian]

KARA-CHUMYSH RESERVOIR—DRINKING WATER

[illegible]

1959. 66 p.

[MICROFILM]

KARA-KALPAK A. S. S. R.—PARASITES—DUCKS

Helminths of domestic waterfowl of the Kara-Kalpak A.S.S.R. and the seasonal dynamics of basic helminthiases. M.A.Sultanov, F.S.Sarymsakov, M.M.Adysheva. Uzb. biol. zhur. 7 no.6:32-35 '63.

KARA-KALPAK A. S. S. R.—WORMS, INTESTINAL AND PARASITIC

Helminths of domestic waterfowl of the Kara-Kalpak A.S.S.R. and the seasonal dynamics of basic helminthiases. M.A.Sultanov, F.S.Sarymsakov, M.M.Adysheva. Uzb. biol. zhur. 7 no.6:32-35 '63.

KARA SEA—HYDROMETEOROLOGY

Calculation of anomalies of the heat loss in the autumn in the Kara Sea based on the anomalies of hydrometeorological elements. A. V. Smetannikova. Trudy AANII 264:52-58 '63.

KARA SEA—ICE

Results of observations on the thawing of ice in the Dikson Bay in 1957. I.M.Turanov. Trudy AANII 248:37-41 '63.

KARA SEA—OCEAN CURRENTS

Structure of the currents of the Kara Sea. E.I.Chaplygin. Trudy AANII 248:49-51 '63.

KARA SEA—OCEAN TEMPERATURE

Analysis of temperature formation in the active layer of the sea in the southwestern part of the Kara Sea by the method of approximate calculation. V.V Panov. Trudy AANII 248:8-24 '63.

KARA SEA—OCEANOGRAPHY

Stability of the winter hydrogeological regime in the Kara Sea. V.N.Moretskii. Trudy AANII 264:39-43 '63.

KARA SEA—SALINITY

Methods for forecasting the salinity of the surface layer water in the Kara Sea. V. V. Panov. Trudy AANII 264:15-17 '63.

KARABAKH RIDGE—SOILS—COMPOSITION

Mineralogical composition of Brown soils of the Karabakh Ridge O G Pen'kov Dokl AN Azerb SSR 20 no 2 47-51 '64

KARABAKH STEPPE—COTTON GROWING

Condition of cotton in the fields depending on the degree of soda salinization. B.M.Agaev, F.F.Mamedov Izv. AN Azerb.SSR.Ser.biol.i med.nauk no.2:79-86 '62.

KARABAKH STEPPE—HUMUS

Humus composition of the Grey-Brown soils in the Karabakh Steppe, Kura-Aras Lowland O G Pen'kov Dokl.TSKHA no.84:85-92 '63.

KARABASH (CHELYABINSK PROVINCE)—MINE DRAINAGE

Cleaning lined mine drainage pipes in the Karabash mines. A.I.Borokhovich. Gor.zhur. no.11,64-65 N '63.

KARABIL' UPLAND—BIRDS—FOOD

Feeding habits of young desert ravens G S Bel'skaia Ornitologiia no.6 464-465 '63.

KARABIL' UPLAND—RAVENS

Feeding habits of young desert ravens. G S. Bel'skaia Ornitologiia no.6 464-465 '63

KARACHAI LANGUAGE

Origin of the name "Min'i-tau." Sh.Kh.Akbaev. Dokl.AN Azerb.SSR 20 no.2:75-79 '64.

KARADŽIĆ, VUK STEFANOVIĆ, 1787-1864

Vuk Karadžić; on the 100th anniversary of his death. F.P.Filin. Vest.AN SSSR 34 no.5:132-133 My '64.

KARAITIC DIALECTS

Musaev, K.M. [Grammar of the Karaite language; phonetics and morphology] Grammatika karaimskogo iazyka; fonetika i morfologiia. Moskva, Izd-vo "Nauka," 1964. 343 p.

KARAKUL SHEEP see subdivision under Kazakhstan

KARAKUM—BOTANY

Development of the vegetation of the southern Karakum region as related to meteorological conditions. K.G. Antonova. Izv.AN Turk.SSR.Ser.biol.nauk no.2:93-98 '64.

KARAKUM—HELICOPHYLLUM

Materials on the biology of Eminium lehmannii (Bge.) Ktze. V.K.Vasilevskaia, N.T.Nechaeva. Izv.AN Turk.SSR.Ser.biol.nauk no.2:35-40 '64.

KARAKUM—IRRIGATION CANALS AND FLUMES

Costlier than a diamond; a photo report. V. Zunin, V. Antonov. Sov.profsoiuzy 20 no.13:24-25 Jl '64.

KARAKUM—SAND—SPECTRA

Regionalization of the sands of the central Karakum according to their spectral brightness. M.A.Romanova. Dokl.AN SSSR 156 no.5:1095-1098 Je '64.

KARAKUM—SOIL BINDING

Possibilities for the phytomelioration of sand in the southern part of the Central Lower Kara Kum in connection with their ecological characteristics. E.G.Mikhel'son, O.A.Mikhel'son. Trudy Turk.geog. ob-va no.1:148-170 '58

KARAKUM—VEGETATION AND CLIMATE

Development of the vegetation of the southern Karakum region as related to meteorological conditions. K.G. Antonova. Izv.AN Turk.SSR.Ser.biol.nauk no.2,93-98 '64.

KARAKUM CANAL—FRESHWATER FLORA

Overgrowth of the Karakum Canal. Sh.I.Kogan. Trudy Gidrobiol.ob-va 14:176-183 '63.

KARAMAZAR MOUNTAINS—FLUORITE

Temperatures of the formation of the Chashly fluorite deposit. I.G.Khel'vas. Geol.rud.mestorozh. 6 no.2:109-111 Mr-Ap '64.

KARAMZIN, NIKOLAI MIKHAILOVICH, 1766-1826

Concerning the formation of N.M.Karamzin's world outlook from 1785-1789. L.G.Kislingina. Vest. Mosk.un.Ser.9: Ist. 19 no.3:54-66 My-Je '64.

KARATAU—BRECCIA

Authigenic minerals in the tectonic breccias of the Karatau (Mangyshlak). V.I.Murav'ev. Lit.i pol. iskop no.2:89-105 Mr-Ap '64.

KARATAU—GEOLOGY, STRUCTURAL

Relationship between igneous activity and tectonics as revealed by studying a formation of the Karatau structure (southern Kazakhstan). G.I.Makarychev, V.I. Pazilova. Trudy GIN no.93:123-176 '63.

KARATAU—MINERALS

Authigenic minerals in the tectonic breccias of the Karatau (Mangyshlak). V.I.Murav'ev. Lit.i pol. iskop. no.2,89-105 Mr-Ap '64.

KARAVSHIN VALLEY—FLYSCH

Upper Paleozoic flysch in the Kshemysh and Karavshin Basin (northern slope of the Turkestan Range). I.N. Cherenkov. Trudy Inst.geol.AN Tadzh.SSR 7 30-48 '63.

KARELIA—BLACK GROUSE

Black grouse in Karelia E.V Ivanter Ornitologiia no 6 68-80 '63

KARELIA—ELECTROMAGNETIC PROSPECTING

Rotating magnetic field method in southern Karelia. L.M.Liubavin. Zap LGI 46 no.2:96-104 '63.

KARELIA—ETHNOLOGY

Pankrushev, G.A. [The tribes of Karelia during the Neolithic and early metal age] Plemena Karelii v epokhu neolita i rannego metalla. Moskva, Izd-vo "Nauka," 1964. 149 p. illus.

KARELIA—LUMBERING

Analyzing the fulfillment of the production programs by the logging camps of the Sevkarelles Lumber Combine in 1961 I.M.Shubina. Uch zap.Petrozav.gos.un. 11 no.2 42-52 '63.

KARELIA—MONUMENTS

Mullo, I.M. [Monuments and notable places of Karelia] Pamiatniki i pamiatnye mesta Karelii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 146 p.

KARELIA—PODZOL

Cultivated Podzol soils in northern Karelia. G.F Volodina. Dokl TSKHA no.84:105-112 '63.

KARELIA—RECLAMATION OF LAND

Cultivated Podzol soils in northern Karelia. G.F. Volodina. Dokl.TSKHA no.84:105-112 '63.

KARELIA—ROCKS, CRYSTALLINE AND METAMORPHIC—CLASSIFICATION

Differentiation of crystalline rocks according to their elastic properties using northern Karelia as an example. I.V.Litvinenko, K.A.Nekrasova. Zap.LGI 46 no.2:22-27 '63.

KARELIA—STONE

Borisov, P.A. [Stone building materials in Karelia] Kamennye stroitel'nye materialy Karelii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 366 p.

KARELIA—STONE AGE

Pankrushev, G.A. [The tribes of Karelia during the Neolithic and early metal age] Plemena Karelii v epokhu neolita i rannego metalla. Moskva, Izd-vo "Nauka," 1964. 149 p. illus.

KARELIA—WOOD-USING INDUSTRIES

Rusakov, D.M., and others. [Multipurpose utilization of lumber] Kompleksnoe ispol'zovanie drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-vo, [1963] 121 p.

KARPINSK LOWLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphic cross section of the Jurrasic sediments of the Karpinsk swell. M.M.Matskevich, V.A.Bobukh. Neftegaz.geol.i geofiz. no.4:22-27 '64.

KARPINSK LOWLAND—PETROLEUM GEOLOGY

Stratigraphic cross section of the Jurrasic sediments of the Karpinsk swell. M.M.Matskevich, V.A.Bobukh. Neftegaz.geol.i geofiz. no.4:22-27 '64.

KARPINSK RANGE—WATER, UNDERGROUND

Certain new data on the discharge of waters of the Mesozoic sediments in the region of the Buzginskiy uplift of the buried Karpinsk Range. A.M.Nikanorov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.3:42,48 '64.

KARPINSKII, VIACHESLAV ALEKSEEVICH, 1880-

V.A.Karpinskii's letter to N.A.Rubakin, February 16, 1923. A.B.Sidorova. Zap.Otd.ruk. no.26:399-404 '63.

KARST see subdivision under Abkhazia; Gumista Valley; Kazakh Hills

KARU, ELMAR, 1903-

E.Karu; on his 60th birthday. Zhur.nevr.i psikh. 63 no.6:952 '63.

KATSURA TREE

Case of hidden sexual dimorphism in a young katsura tree. B.N.Zamiatnin. Biul.Glav.bot.sada no.53:81-82 '64.

KAUTSKY, KARL, 1854-1938

Self-exposure of the leader of the Philistines. K.L. Seleznev. Vop.ist. 39 no.6:96-109 Je '64.

KAVTISKHEVI REGION (GEORGIA)—GAS, NATURAL—GEOLOGY

Geology and oil and gas potentials of the Kavtiskhevi region. G.N.Khatiskatsi. Trudy VNIGNI no.38:206-213 '63.

KAVTISKHEVI REGION (GEORGIA)—PETROLEUM GEOLOGY

Geology and oil and gas potentials of the Kavtiskhevi region. G.N Khatiskatsi. Trudy VNIGNI no.38 206-213 '63.

KAZAKH HILLS—BAUXITE

Ancient karst of the western part of Kazakh Hills and its role in the formation of bauxite deposits. S.A Sladkopevtsev. Vest Mosk un Ser.5: Geog. 19 no.3, 77-80 My-Je '64

KAZAKH HILLS—KARST

Ancient karst of the western part of Kazakh Hills and its role in the formation of bauxite deposits S.A. Sladkopevtsev. Vest.Mosk.un.Ser.5: Geog. 19 no.3: 77-80 My-Je '64.

KAZAKHSTAN—ACANTHOLYDA—EXTERMINATION

Acantholyda stellata in Kazakhstan. V.E.Fedoriak. Zashch rast.ot vred.i bol. 8 no.10 20-21 O '63.

KAZAKHSTAN—ACTINOMYCES

Methods for isolating actinophages from the soil [with summary in English]. E.A.Daulbaev. Mikrobiologiia 32 no.4:650-654 Jl-Ag '63.

KAZAKHSTAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut filosofii i prava. [Development of the socialist consciousness of collective farmers; based on materials of the Kazakh S.S.R.] Razvitie sotsialisticheskogo soznaniia kolkhoznogo krest'ianstva (na materialakh Kazakhskoi SSR). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 214 p.

KAZAKHSTAN—ALFALFA

Alfalfa in southern Kazakhstan. IU.D.Zukov. Zemledelie 26 no.5:62-64 My '64.

KAZAKHSTAN—BADGERS

Poisonous snakes and badgers. A.P.Lesniak. Priroda 53 no.6:117-118 '64.

KAZAKHSTAN—BEEF CATTLE

Growth of Kazakh White-Headed young cattle as related to the type of the mother. V.A.Sokolov Trudy AZVI 12 176-178 '61.

Thirty years' experience in the development of local cattle in central Kazakhstan. A.V.Lanina. Trudy AZVI 12:97-110 '61.

KAZAKHSTAN—BIRDS

"Birds of Kazakhstan." Reviewed by V E.Flint. Ornitologiia no.6 502-503 '63.

KAZAKHSTAN—BOTANY

[Flora of Kazakhstan] Flora Kazakhstana. Glav.red. N.V.Pavlov. Sost. A.N.Vasil'eva i dr. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR.
Vol.7. 1964. 494 p.

KAZAKHSTAN—BUDGET

Financial organs of Kazakhstan in an effor to fulfill the budget. I Kim. Fin SSSR 38 no.5:7-13 My '64.

KAZAKHSTAN—CALVES—DISEASES AND PESTS

Reserve alkalinity and glutathione in the blood of calves as related to the age and zone of raising and their changes during the treatment of suppurative catarrhal bronchopneumonia with antibiotics. Sh.T.Tokbanov. Trudy AZVI 12:488-497 '61.

KAZAKHSTAN—CATTLE

Basic stages of scientific and practical work with cattle in Kazakhstan during the past 40 years. T.F Tavildarova. Trudy AZVI 12:88-96 '61

KAZAKHSTAN—CATTLE BREEDING

State and prospective improvement of dual-purpose cattle on the "Degeres" Training Farm. N.I.Teplinkov. Trudy AZVI 12:179-188 '61

KAZAKHSTAN—CATTLE BREEDS

Form and size of the udder in cows of various breeds developed in Kazakhstan. T.F.Tavildarova and others. Trudy AZVI 12:162-176 '61

KAZAKHSTAN—CIVIL DEFENSE

Letters from Kazakhstan. S.Nurmagambetov and others. Voen.znan. 40 no.4:18-20 Ap '64.

KAZAKHSTAN—CIVIL PROCEDURE

Special court orders in civil cases are an important means in preventing law violations. Z.Abdulina. Sots. zakon. 41 no 3:49-51 Mr '64.

KAZAKHSTAN—COLLECTIVE FARMS

From the history of the development of collective farms of Kazakhstan in the postwar years (1946-1953). M.Besbaev. Trudy AZVI 12:63-76 '61.

KAZAKHSTAN—CORN (MAIZE)—IRRIGATION

Methods of conducting experiments in corn furrow irrigation. N.S.Goriunov, N.M.Botarovich. Vest.sel'khoz. nauki [Kazakh.] 7 no.4:67-72 Ap '64.

KAZAKHSTAN—COXIELLA

[illegible] of the properties of Rickettsia burneti [illegible] natural [illegible] in Kazakhstan. G.S. [illegible] Zhur.mikrobiol.,epid.i immun. 40 [illegible] '63

KAZAKHSTAN—ECONOMIC CONDITIONS

Fortieth anniversary of the establishment of the Kazakh S.S.R. I.V. Rusakov. Trudy AZVI 12 9-22 '61

[illegible] of the Leninist national policy in Kazakhstan. [illegible] Trudy AZVI 12 23-34 '61

KAZAKHSTAN—FARM MECHANIZATION—STUDY AND TEACHING

Training of machine operators on virgin lands. V. Lesni-[illegible] Prof.-tekh. obr. 21 no.5 13-14 My '64

KAZAKHSTAN—FAULTS (GEOLOGY)

Main faults of Kazakhstan and Central Asia. A. I. [illegible] GIN no.80,173-238 '63

KAZAKHSTAN—FEEDING

Results of the scientific work of the Department of the Feeding of Animals during the past 30 years. A. K. [illegible] Trudy AZVI 12 79-87 '61

KAZAKHSTAN—FERTILIZERS AND MANURES

Thermal phosphates of the Academy of Sciences of the Kazakh S.S.R. as a source of P_2O_5 for plants. G. M. [illegible] Vest.sel'khoz.nauki [Kazakh.] 7 no.4 27-30 Ap '64.

KAZAKHSTAN—FIELD CROPS—IRRIGATION

Effectiveness of irrigation in western Kazakhstan. D. P. She[illegible] Vest. sel'khoz. nauki 9 no.5 43-45 My '64

KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC

Marine sedimentary formations of the Late Devonian and Early Carboniferous stage of the geological development of the western part of central Kazakhstan. M. I. Aleksandrova. Trudy VSEGEI 94:234-265 '63.

KAZAKHSTAN—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics and history of the geological development of structural and formational zones in the Zaysan geosynclinal area. M. G. Khisamutdinov. Trudy VSEGEI 94 76-91 '63

KAZAKHSTAN—GRAIN-HANDLING MACHINERY

Procure grain in Kazakhstan in an exemplary manner. O. Kosuno. Muk.-elev.prom. 30 no.5:3 My '63.

KAZAKHSTAN—GRANITE

New type of granite formation as revealed by a study of the western part of central Kazakhstan. T.G. Pavlova. Dokl. AN SSSR 156 no.4 827-829 Je '64.

Utilization of geophysical data for the division of Permian granite intrusions in central Kazakhstan. A.A. Dukhovskii. Trudy VSEGEI 94,293-303 '63.

KAZAKHSTAN—HIDES AND SKINS

Studying the quality of the pelts of grey Karakul lambs as related to the methods of their production. A. M. Murzagaliev. Trudy AZVI 12 194-200 '61

KAZAKHSTAN—HISTORY

Fortieth anniversary of the establishment of the Kazakh S S R. I. V. Rusakov. Trudy AZVI 12 9-22 '61

KAZAKHSTAN—HORSE BREEDING

Development of trotter horse breeding in Kazakhstan. P. A. Fedotov. Trudy AZVI 12 124-137 '61

KAZAKHSTAN—HORSES

Trotting efficiency of trotters under saddle. P. Fedotov, N. Sigitov, L. Dubrovina. Vest. sel'khoz. nauki [Kazakh.] 7 no.4 83-86 Ap '64

KAZAKHSTAN—IRRIGATION

Role of the basin snow-water irrigation in the solution of feed problems in Kazakhstan. M. Sh. Zozulia. Gidr. i mel. 16 no 5:17-23 My '64.

KAZAKHSTAN—KARAKUL SHEEP

Studying the quality of the pelts of grey Karakul lambs as related to the methods of their production. A. M. Murzagaliev. Trudy AZVI 12 194-200 '61

KAZAKHSTAN—MERINO SHEEP

Evaluation of the work for further improvement of the argali merino sheep breed of Kazakhstan. A.I. Isenzhulov. Izv.AN Kazakh.SSR Ser.biol.nauk 2 no.1:67-76 Ja-F '61.

Introduction of argali merino sheep of Kazakhstan into the farms of central Kazakhstan. N.P. Chumin. Izv. AN Kazakh.SSR.Ser.biol.nauk 2 no.1:77-81 Ja-F '64.

KAZAKHSTAN—METEOROLOGY IN AERONAUTICS

Aerosynoptic conditions governing the sudden *disturbance* of the TU-104 flight regime in the Turkestan-Chingil'dy region in June 1, 1961. M.V. Burkova, V.A. Dzhordzhio. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10: 208-217 '63

KAZAKHSTAN—MINE DUSTS—REMOVAL

Overall dust removal from the atmosphere of the Berezovskiy Mine. N. N. Babkin and others. Gor. zhur. no.5.61-63 My '64.

KAZAKHSTAN—MINERALOGY

Shcherba, G. N., and others. [Greisens, vein quartz, and potassic feldspar in molybdenum-tungsten deposits of Kazakhstan] Greizeny, zhil'nyi kvarts i kalishpaty molibdeno-vol'framovykh mestorozhdenii Kazakhstana. Alma-Ata, 1964. 306 p. (Akademiia nauk Kazakhskoi SSR. Institut geologicheskikh nauk. Trudy, vol. 8)

KAZAKHSTAN—MINES AND MINERAL RESOURCES

Quality of nonferrous metal ores and the profitableness of their production, discussion of the article by B. F. Novozhilov. Z. I. Trokskaia, Z. E. Temkin, G. D. Khetagurov. Gor. zhur. no. 11:7-11 N '63

KAZAKHSTAN—NITRARIA

Economic significance of Nitraria. M. P. Petrov. Izv. AN Turk.SSR.Ser.biol.nauk no.2 41-[illegible] '64.

KAZAKHSTAN—OILSEED PLANTS

Oilseed crops for the fields of the eastern regions of the country. P. A. Zabaznyi, A. A. Baturina. Zemledelie 26 no 2 68-71 F '64

KAZAKHSTAN—ORE DEPOSITS

Shcherba, G. N., and others. [Greisens, vein quartz, and potassic feldspar in molybdenum-tungsten deposits of Kazakhstan] Greizeny, zhil'nyi kvarts i kalishpaty molibdeno-vol'framovykh mestorozhdenii Kazakhstana. Alma-Ata, 1964. 306 p. (Akademiia nauk Kazakhskoi SSR. Institut geologicheskikh nauk. Trudy, vol. 8)

KAZAKHSTAN—PEAS—DISEASES AND PESTS

Fumigation of pea seeds. K. Kisliatskikh, V. Popov. Zashch rast.ot vred.i bol. 9 no.2:29 '64.

KAZAKHSTAN—PINE—DISEASES AND PESTS

Acantholyda stellata in Kazakhstan. V. E. Fedoriak. Zashch rast. ot vred. i bol 8 no.10 20-21 O '63.

KAZAKHSTAN—PLANTS, PROTECTION OF

At the Section for General Entomology. M.S. Giliarov. Zashch rast.ot vred.i bol. 9 no 2:58-59 '64

KAZAKHSTAN—POTATOES—DISEASES AND PESTS

An effective means against the potato stem nematode. S. P. Saf'ianov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:65-66 Ap '64.

KAZAKHSTAN—RICE—DISEASES AND PESTS

Pests of rice seedlings. M. P. Shorshchikova. Zashch. rast. ot vred. i bol. 9 no.5:33-34 '64.

KAZAKHSTAN—SEEDS—DISINFECTION

Fumigation of pea seeds. K. Kisliatskikh, V. Popov. Zashch. rast. ot vred. i bol. 9 no.2:29 '64.

KAZAKHSTAN—SHEEP—PHYSIOLOGY

Some indices of the external and tissue respiration of Kazakh fine-wool sheep. P. M. Butov. *Trudy AZVI* 12 506-511 '61

KAZAKHSTAN—SHEEP BREEDING

Askaniyan sheep on the Lenin Breeding Farm in Alma-Ata Province. T. S. Sarsenbaev. *Trudy AZVI 12,189-*193 '61

Trends in breeding activities of the sheep farmers of the Republic. F. M. Mukhamedgaliev. Izv.AN Kazakh.SSR. Ser.biol.nauk 2 no.1:98-100 Ja-F '64.

Ways of developing breeds in the sheep raising in Kazakhstan. G. N. Kdyrniiazov. Trudy AZVI 12 111-123 '61

KAZAKHSTAN—SIEROZEM

Micromorphological structure of Sierozems. V. V. Polnikov. Izv.AN Kazakh.SSR.Ser.biol.nauk 2 no.1: 21-29 Ja-F '64.

KAZAKHSTAN—SNAKES

Poisonous snakes and badgers. A. P. Lesniak. Priroda 53 no.6:117-118 '64.

KAZAKHSTAN—STOCK AND STOCKBREEDING

Results of research work on the increase of the resistance of the organism of farm animals and their productivity by the use of biogenic stimulators. P. A. Karasev. Trudy AZVI 12 252-258 '61

Results of the use of biogenic stimulators in animal husbandry. P. A. Karasev. Trudy AZVI 12 259-264 '61

KAZAKHSTAN—STUDENT TEACHING

Rural pedagogical practice. F. Kh. Zakirova. Sred. spets obr. 11 no 4 47-48 Ap '64.

KAZAKHSTAN—SWINE—FEEDING AND FEEDS

Using succulent feeds in swine fattening. L. S. Zakharova. Trudy AZVI 12,214-220 '61.

KAZAKHSTAN—TRICHINA AND TRICHINOSIS

Trichinelliasis in Kazakhstan. V. I. Riakhovskii. Trudy AZVI 12:291-298 '61

KAZAKHSTAN—TUBERCULOSIS IN CATTLE

Prophylaxis and the organization of the control of tuberculosis in calves. F. E. Sal'nikov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:105-109 Ap '64.

KAZAKHSTAN—VETERINARY PARASITOLOGY

Results of the research work of the Department of Parasitology of the Alma-Ata Zootechnical and Veterinary Institute from 1931 to 1960. N. P. Orlov. Trudy AZVI 12,230-251 '61

KAZAKHSTAN—WINDS

Heavy jet stream over eastern Kazakhstan [illegible] observations of the TU-104 in October 5, 1961. M. V. Burkova, V. A. Dzhordzhio. Trudy Sred.-Az.nauch.-issl. gidrometeor. inst. no 10:[illegible]07-201 '63

KAZAKHSTAN—WORMS, INTESTINAL AND PARASITIC

Changes in the helminths and in the infestedness of [illegible] and animals with helminthiases in Kazakhstan. [illegible] Boev. Izv AN Kazakh.SSR.Ser.biol.nauk 2 [illegible] Ja-F '64.

KAZAKHSTAN—WORMWOOD

Flowering and fruiting of some wormwoods of central Kazakhstan. Z. G. Bespalova. Bot. zhur. 49 [illegible] 223-229 F '64.

KAZAKHSTAN—WRITS

Special court orders in civil cases are an important means in preventing law violations. Z. [illegible] zakon 41 no [illegible] 49-51 [illegible] '64

KAZAN—DENTAL CLINICS

Valuable initiative of the Kazan medics. A. [illegible] Sov. profsoiuzy 20 no. 13 37-38 Jl '64.

KAZAN PROVINCE—LAND TENURE

Kibardin, M. A. [Bol'sheviks of Kazan Province at the head of the agrarian reforms of 1917-1919] Bol'sheviki Kazanskoi gubernii vo glave agrarnykh preobrazovanii 1917-1919 godov. Kazan, Izd-vo Kazanskogo univ., 1963. 256 p.
(VIU)

KAZYM VALLEY—BIRDS

Some data on birds of the Kazym Valley (Tyumen Province). [illegible] I. Gordeev. Ornitologiia no. [illegible]

KEDABEK REGION (AZERBAIJAN)—GEOLOGY, STRATIGRAPHIC

Presence of Upper Maastricht sediments in the Kedabek region (Lesser Caucasus). T. Ab. Gasanov. Dokl. AN Azerb.SSR 19 no.10:55-57 '63.

KEDROV-ZIKHMAN, OSKAR KARLOVICH, d. 1964

Oskar Karlovich Kedrov-Zikhman; obituary. [illegible] S. Shedeirov. Vest sel'khoz. nauki 9 no. [illegible] My '64.

KELIFSKIY UZBOY—WATER, UNDERGROUND

Determining the total amount of water consumed by a field with shallow underground water table in the [illegible] of the Kelifskiy Uzboy. Kh. A. Annanov. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 8-17 '64.

KELIFSKIY UZBOY REGION—BIRDS

Winter fauna of birds of lakes of the Kelifskiy Uzboy region. A. O. Tashliev, A. N. Sukhinin, [illegible] Izv. AN Turk. SSR. Ser. biol. nauk no. 3 [illegible] '64.

KELIFSKIY UZBOY REGION—SOIL MOISTURE

Determining the total amount of water consumed by a field with shallow underground water table in the [illegible] of the Kelifskiy Uzboy. Kh. A. Annanov. Izv. AN Turk. SSR. Ser. biol. nauk no. 2:8-17 '64.

KEMEROVO—COKE INDUSTRY

Fortieth anniversary of the Kemerovo Coke and Chemicals Plant. K. D. Bazyl', L. I. Zlatin, N. [illegible] Koks i khim. no.4:3-6 '64.

KENDYKTAS MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Cambrian sediments in the Kendyktas Mountains (southern Kazakhstan). L. I. Borovikov, L. N. Krylkov. Trudy VSEGEI 94:266-280 '63.

KENDYKTAS MOUNTAINS—GNEISS

Gneisses of the Kendyktas Mountains. V. I. Rytsk. Trudy VSEGEI 94:281-292 '63.

KENNEDY, JOHN FITZGERALD, 1917-1963

Murder of the president. Viktor Maevskii. Oktiabr' 40 no.2:177-180 F '64.

KERAMZIT

Advantage of wet preparation of material in the manufacture of keramzit. N. P. Zhuravkova. Stroi. mat. 10 no.2:20 F '64.

Rated output more than doubled. S. N. El'menkin, V. I. Baklykov. Stroi. mat. 10 no. 3:24-26 Mr '64.

Selecting a spray burner of liquid fuel for burning keramzit. I. A. Bindler. Stroi. mat. 10 no.2:21-23 F '64.

KERATOCONJUNCTIVITIS

Study of the virulence of dysentery bacteria in irradiated animals; on a model of experimental keratoconjunctivitis. A. G. Goriunova. Zhur. mikrobiol., epid. i immun. 40 no.6:133-134 Je '63.

KEROGEN see subdivision under Bulgaria

KEROSINE

Thermocatalytic desulfuration of special kerosine and diesel fuel on iron aluminosilicate catalyst. V S Komarov, N F Ermolenko, V.I Varlamov Dokl.AN BSSR 8 no 4 241-245 Ap '64

Vapor-phase refining of straight-run kerosine over Odessa gray-green clay. A.T.Grinevich Pratsi Od. un.Zbir.stud.rob. 146 no.4:145-147 '56

KETOLS

Synthesis of aldehydo alcohols and ketols of the furan series. V.G.Glukhovtsev and others. Dokl.AN SSSR 156 no.4:869-872 Je '64

KETONES

α-Furyl-β-aminoaryl ketones N.S.Kozlov, I.P.Sonich. Zhur.ob.khim. 34 no.3:927-929 Mr '64.

Initiation of chains in the liquid-phase oxidation of methyl ethyl ketone and ethyl alcohol G E Zaikov, Z K Maizus, N M Emanuel' Neftekhimiia 4 no 1 91-95 Ja-F '64

Preparation of 2-vinyl furyl- and 2-vinyl thienyl ketones. M.I.Shevchuk, A.V.Dombrovskii. Zhur ob.khim. 34 no.3;916-919 Mr '64.

Synthesis of α,β-unsaturated ketones based on quinaldehyde. S.V.TSukerman, Chan Kuok Shon, V F.Lavrushin. Zhur.ob.khim 34 no.3:832-837 Mr '64

Synthesis of chalcones on the basis of β-chlorovinyl ketones. V.F.Beliaev. Zhur.ob.khim. 34 no.3: 861-864 Mr '64.

KEZ DISTRICT—AGRICULTURAL ADMINISTRATION

There is no reason for taking offense. S Mal'ginov Part zhizn' no 10 41-42 My '64

KHABAROVSK—RAILROADS—STATIONS

Reconstruction of the railroad station at Khabarovsk. I.I.Kozel, G.S.Pereselenkov. Transp.stroi. 14 no.3 25-27 Mr '64.

KHABAROVSK TERRITORY—ELECTRICITY IN AGRICULTURE

Operational practices of the 4DG 19/30-1 diesel generator G Mikhalev Tekh.v sel'khoz 24 no 5:30 My '64

KHABAROVSK TERRITORY—ORE DEPOSITS

Comparative characteristics of the metallogeny of the Lesser Caucasus and Kamchatka-Koryak zone. I.G. Magakian. Zakonom.razm.polezn.iskop 7:288-294 '64.

KHABAROVSK TERRITORY—TULAREMIA

Natural tularemia foci in Khabarovsk Territory. P.V. Abushkevich and others. Zhur.mikrobiol.,epid.i immun. 40 no.5:48-51 My '63.

KHAL'MER-YU REGION (BOLSHEZEMELSKAYA TUNDRA)—FROZEN GROUND—THERMAL PROPERTIES

Dependence of the temperature regime of the upper levels of frozen formation from the relief in Khal'mer-yu region. N.G.Bobov. Izv.Komi.fil.Geog.ob-va SSSR no.8;23-31 '63.

KHARKOV—BANKS AND BANKING—STUDY AND TEACHING

On improving training practice. M.Naipak. Den.i kred. 22 no.5:58 My '64.

KHARKOV—BEARING INDUSTRY

Corrections made by the members of the scientific and technological society. D.Markin. NTO 6 no.3,45-46 Mr '64.

KHARKOV—COMMUNITY LIFE

Children from Sumskaya Street Aleksandr Reznikov. Sem'ia i shkola 19 no 3 10-12 Mr '64.

KHARKOV—PHARMACY—STUDY AND TEACHING

Practical training of students. H.P.Pivnenko, R.K. Chahovets', I.M.Portsov. Farmatsev.zhur. 15 no.5' 72-75 '60.

KHARKOV—TRACTOR INDUSTRY—MANAGEMENT

Work organizer in a section. V.Poliakov. Sots.trud 9 no.5:126-128 My '64.

KHARKOV—WAGES—TRACTOR INDUSTRY

There is a need for constant search. S.Lanin, V.Shchoblykin. Sots.trud 9 no.5:118-120 My '64.

KHARKOV PROVINCE—DRUGSTORES

Reconstruction and development of the pharmacy network in Kharkov Province during the postwar period (1943-1958). N.I.Bryl'ova, M.M.Lytvynenko. Farmatsev.zhur. 14 no.3:63-67 '59.

KHASAVYURT REGION (DAGHESTAN)—SORGHUM

Aftergrowth of sorgo. IA.I.Isakov. Zemledelie 26 no.2 80-84 F '64.

KHELLIN

Quantitative determination of chromones in bishop's-weed. O.P.Prokopenko, D.H.Kolesnykov. Farmatsev.zhur. 15 no.5:49-54 '60.

KHERSON PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Specialists improve thier knowledge. V.Zaporozhets. Part zhizn' no 10:49-50 My '64.

KHERSON PROVINCE—BUILDING—ESTIMATES

Take good care of the people's kopeck N Zenkov Fin SSSR 38 no 5 57 My '64

KHERSON PROVINCE—VEGETABLE GARDENING

Agricultural techniques of the State Farm "Gorodnii Veletan' " F.P.Ochkas, A.O Lymar'. Kons.i ov. prom. 19 no.4;24-26 Ap '64.

KHERSON PROVINCE—WORLD WAR, 1939-1945

An evening to honor labor. V.Zaporozhets. Muk.-elev prom. 30 no.6 17-18 Je '64.

KHETAGUROV, KOSTA LEVANOVICH, 1859-1906

Kosta Khetagurov's dramaturgy and theatrical work A A Khadartseva Izv Sev -Oset nauch -issl inst 18 213-238 '56

KHISLAVICHI DISTRICT—SOWS—DISEASES AND PESTS

Studying the causes of abortions and small litters in sows on the collective farms of Khislavichi District S.V.Shilin, P.N.Razumovskii. Trudy Smol NIVS no 2;230-238 '62

KHIVA OASIS—INDUSTRIES

Present-day state of the industry in the Khorezm Oasis and some problems concerning its further development. F.Umarov, Izv.AN Azerb.SSR.Ser.obshchestv.nauk no.1:31-41 '64.

KHOREZM OASIS see Khiva Oasis

KHRAMI RESERVOIR—BENTHOS

Zoobenthos of Khrami Reservoir during the 11 years after its completion A I.Pataridze Trudy Inst zool AN Gruz.SSR 19 83-97 '63.

Zoobenthos of Khrami Reservoir during the first years of its existence. T G.Kakauridze Trudy Inst zool AN Gruz.SSR 19.57-82 '63

KHRAMI RESERVOIR—BOTANY

Overgrowth of Khrami Reservoir B.D.Gavrilenko Trudy Inst.zool.AN Gruz.SSR 19 15-24 '63

KHRAMI RESERVOIR—CARP

Materials on wild carp and Varicorhinus in Khrami Reservoir. M.G.Demetrashvili. Trudy Inst zool. AN Gruz SSR 19 99-109 '63.

KHRAMI RESERVOIR—FISHES—FOOD

Materials on feeding habits of fishes in Khrami Reservoir. A.B.Kokhiia Trudy Inst.zool.AN Gruz.SSR 19:111-118 '63.

KHRAMI RESERVOIR—FRESHWATER FAUNA

Zoobenthos of Khrami Reservoir during the 11 years after its completion. A.I.Pataridze. Trudy Inst.zool AN Gruz.SSR 19:83-97 '63.

Zoobenthos of Khrami Reservoir during the first years of its existence. T.G.Kakauridze Trudy Inst zool. AN Gruz.SSR 19:57-82 '63.

KHRAMI RESERVOIR—PHYTOPLANKTON

Phytoplankton of Khrami Reservoir (1947-1950). T.I. Imerlishvili. Trudy Inst.zool.AN Gruz.SSR 19 3-14 '63.

KHRAMI RESERVOIR—VARICORHINUS

Materials on wild carp and Varicorhinus in Khrami Reservoir. M.G.Demetrashvili. Trudy Inst.zool. AN Gruz.SSR 19:99-109 '63.

KHRAMI RESERVOIR—ZOOPLANKTON

Zooplankton of Khrami Reservoir during the first years of its existence (1947-1950) V.M.Macharashvili. Trudy Inst.zool.AN Gruz.SSR 19.25-50 '63.

Zooplankton of Khrami Reservoir; second look. V.M. Macharashvili. Trudy Inst.zool.AN Gruz.SSR 19.51-56 '63.

KHRENOV, KONSTANTIN KONSTANTINOVICH, 1894-

K.K.Khrenov; on his 70th birthday. Elektrichestvo no.5: 93-94 My '64.

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

The building of communism in the U.S.S.R. and the development of agriculture. Ekon.sel'khoz. 35 no.5: 18 My '64.

Building of communism in the U.S.S.R. and the development of agriculture, the eighth volume of N S.Khrushchev's reports and public addresses on the problems of agriculture Agitator no 9 2 My '64.

Creative work is the basis of the communist education of the people. I.Pustovalov. Vop.ekon. no.6,19-27 Je '64.

"For the victory of reason over the forces of war." Collection of N.S.Khrushchev's speeches, talks and answers. Agitator no.11:8 Je '64.

[Our goal is communism and peace, sojourn of the Soviet party and government delegation led by Comrade N.S.Khrushchev, First Secretary of the Central Committee of the Communist Party of the Soviet Union and the Chairman of the Council of Ministers of the U.S.S.R., in the Hungarian People's Republic, March 31 to April 10, 1964] Nasha tsel' - kommunizm i mir; prebyvanie sovetskoi partiino-pravitel'stvennoi delegatsii vo glave s Pervym sekretarem TSentral'nogo Komiteta Kommunisticheskoi partii Sovetskogo Soiuza, Predstavitelem Soveta Ministrov SSSR tovarishchem N.S.Khrushchevym v Vengerskoi Narodnoi Respublike, 31 marta-10 aprelia 1964 goda. Moskva, Politizdat, 1964. 213 p.

Pravda, Moscow. [True Leninist, selfless fighter for peace and communism, cordial greetings and good wishes on the occasion of N S.Khrushchev's 70th birthday] Vernyi leninets, bezzavetnyi borets za mir i kommunizm, serdechnye pozdravleniia i dobrye pozhelaniia v sviazi s 70-letiem so dnia rozhdeniia N.S.Khrushcheva Moskva, Politizdat, 1964. 146 p.

Time of great achievements Sov voin 46 no 7 2-5 Ap '64

KIDNEY BEAN—VARIETIES see subdivision under Georgia

KIDNEY FUNCTION TESTS

Change in the kidney function in the initial period of burn disease M G Pelisov Vest AMN SSSR 18 no 10 30-36 '63

Changes in the osmotic function of the kidneys in burn disease. S.M.Orlov, M.G.Pelisov. Vest.AMN SSSR 18 no.10;24-30 '63.

Clinicoanatomical comparisons of renal changes in suppurative processes in the body. T.A.IAnbaeva, N.A.Talikov. Khirurgiia 39 no.8 96-100 Ag '63

KIDNEYS—BLOOD SUPPLY

Heterotopic ossification in the rat kidney in ischemia [with summary in English]. K.V.Petrakova. Arkh. anat.,gist.i embr. 44 no.5,112-116 My '63.

KIDNEYS—CANCER

Study of the cancerogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No.2. Primary liver and kidney tumors produced in rats under the action of N-nitrosodiethylamine. I.N.Shvemberger. Sbor.rab.Inst.tsit. no.7:86-91 '63.

KIDNEYS—DISEASES
(see also subdivision under Uzbekistan)

A case of bilateral dilatation of the renal pelves and ureters in endometriosis of the ovaries. M.V.Radovitskii. Akush.i gin. no.1.135-136 '63.

Dzhavad-Zade, M.D. [Polycystic diseases of the kidneys; clinical aspects and treatment] Polikistoz pochek; klinika i lechenie. Moskva, Meditsina, 1964. 242 p. (DNLM)

Geographical distribution of hemorrhagic fever with a renal syndrome. T.P.Povalishina, A.K.IAnkovskii. Zhur.mikrobiol.,epid.i immun. 40 no.5.27-31 My '63.

Neuraminic acid aldolase activity in rat kidneys in experimental nephrosis. I.V.TSvetkova, A.R.Kozina. Vop.med.khim. 9 no.1:96-98 Ja-F '63.

KIDNEYS—TUMORS

Pararenal hypernephroma with thrombosis of the "I" renal vein. Kh.G.Gutkin. Vop.onk. 8 no.11:105-107 '62.

KIEV—AQUATIC SPORTS

Our motto is mass participation! V.Fel'dshon. Voen. znan. 40 no.1:42 Ap '64.

KIEV—BRIDGES, SUSPENSION

Radial-guy bridge in Kiev. N.A.Kitsak, K.A.Zabello. Transp.stroi. 14 no.3:14-16 Mr '64.

KIEV—CHEMICAL MACHINERY

Creative pledges of mechanical engineers. M.Onufriev. NTO 6 no.3,14-15 Mr '64.

KIEV—CONFECTIONERY

Socialist competition in the "K.Marks" Confectionery Factory in Kiev. L.G.Lozenko. Khleb.i kond.prom. 7 no.12;31-32 D '63.

KIEV—DEPARTMENT STORES—MANAGEMENT

Responsibility of the collective. N.Nalivaiko. Sov. torg. 37 no.1.37-38 Ja '64.

KIEV—FURNITURE INDUSTRY

Automatic control of the temperature conditions for drying wood by means of radioactive isotopes. V.A. Dorfman, D.V.Liandres. Bum.i der.prom. no.1.17-19 Ja-Mr '64.

New kitchen set. V.K.Savitskii, I.S.Panevin. Bum.i der.prom. no.1:34-35 Ja-Mr '64

Revolving pneumatic frames. D.L.Naumov. Bum.i der.prom. no.1:12-14 Ja-Mr '64.

Using polyester varnishes for furniture finishing. L.P. Glushchenko. Bum.i der.prom. no.1:24-26 Ja-Mr '64.

KIEV—FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES

[illegible] and grooves on a horizontal single-[illegible] machine. V.R Radkevich [illegible] 1 33-34 Ja-Mr '64.

KIEV—GROCERY TRADE—ACCOUNTING

[illegible] accounting method in trade. [illegible] Bukhg.uchet 21 no.1 60-62 [illegible]

KIEV—KITCHENS

[illegible] V.F Savitskii, I.S. Panevin. Bum.i [illegible] no.1 34-35 Ja-Mr '64

KIEV—KNITTING MACHINES

[illegible] K Nikiforov. NTO 5 no.9 [illegible]

KIEV—MAPLE

Collection of maples in the Kiev Arboretum. V.F [illegible] Biul.Glav.bot.sada no.53 17-22 '64.

KIEV—MUNITIONS

The 200th anniversary of the foundation of the "Arsenal" [illegible] Ukr.ist.zhur. 8 no.2 120-121 Mr-Ap '64.

KIEV—PHARMACY—EQUIPMENT AND SUPPLIES

Equipment enabling accelerated preparation of liquid drugs. IU.S Chumakov. Farmatsev zhur 16 no 4: 61-64 '61

KIEV—SHOE INDUSTRY

At an enterprise of communist labor. P Tarasiuk Part zhizn' no.11 57-60 Je '64

KIEV—WOODWORKERS

Woodworkers heroes of the seven-year plan. V Sh [illegible] Der.prom 13 no.5 23 My '64

KIEV—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"During the years of severe trials" by K. Dubina. Reviewed by M.M Matviichuk, H.P. Mishchenko. Ukr.ist.zhur. 8 no.2 141-143 Mr-Ap '64.

KIEV ECONOMIC REGION—CHAIRS

Manufacture of chairs from new materials. G.I Garasevich, A.A Semenovskii. Bum.i der.prom no 1 23-24 Ja-Mr '64

KIEV PROVINCE—ANTIQUITIES

From the work of the Kiev Archaeological Expedition, 1962-1963. D.IA.Telegin, V.A.Kruts. Ukr.ist.zhur. 8 no.2 154-155 Mr-Ap '64.

KIEV PROVINCE—DRUGSTORES

Service for the rural population during the period of field work. V.I Stel'makh. Farmatsev zhur. 14 no 4:81 '59.

KIEV PROVINCE—FURNITURE INDUSTRY—STUDY AND TEACHING

School-seminars at the enterprises of the Kiev Economic Council. N.I. Shutenko. Bum.i der.prom. no 1:40 Ja-Mr '64.

KIEV PROVINCE—TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

Combining statistical and accounting journals. N. Belukha. Bukhg.uchet 21 no.2:46-48 F '64.

KIEV REGION—HEALTH RESORTS, WATERING, PLACES, ETC.

Krivobokov, S.A. [Pushcha-Voditsa Health Resort] *Kurort Pushcha-Voditsa.* Kiev, Gosmedizdat USSR, 1963. 74 p.
(DNLM)

KIL'DIN ISLAND—ALGAE

Resources of laminariaceous algae on Kil'din Island. P I. Blinova. Nauch.-tekh.biul PINRO no.4:36-3[illegible] '62.

KILNS, ROTARY

Power-driven PPF-T coal dust sprayer put out by the Cement Bureau *for 3, 8 X 66,* 3m rotary kilns No.1 and No 2 at the Chernochenskii cement plant. Z.L. Lobas. Sbor.po obm.opyt.v tsem.prom no.2 63-66 '60.

KILNS, ROTARY—RECONSTRUCTION

Concerning the problem of reconstructing the 150 meter rotary kilns. IU.Deshko. Sbor.po.obm.opyt.v tsem. prom. no.2:27-38 '60.

KILNS, ROTARY—WELDING

Automatic butt welding under flux of rotary kiln shells. N.V.Vasil'ev, P.Malyshev. *Sbor.po.obm.opyt.v tsem.* prom. no.2:22-26 '60.

KIM, VASILII SERGEEVICH, 1903-

Vasilii Sergeevich Kim; obituary. Muk.-elev.prom. 30 no.6:3 of cover Je '64.

KIMRY (KALININ PROVINCE)—CRIMINAL INVESTIGATION

It took forty years. K Alekseev. Sots zakon 41 no 3: 56-58 Mr '64

KINDERGARTEN

Akademiia pedagogicheskikh nauk RSFSR, Moscow. [Teaching reading and writing in a kindergarten, working in a preparatory group of a kindergarten] Obuchenie gramote v detskom sadu; iz opyta raboty v podgotovitel'noi gruppe detskogo sada. Pod red. A.I. Voskresenskoi. Moskva, 1963. 161 p.

Key to the riddle. E.Blinkina. Doshk.vosp 37 no.5: 97-100 My '64.

We inculcate friendship. V.Antipova. Doshk.vosp 37 no.5:87 My '64.

KINDERGARTEN—MUSIC

Aid to music supervisor. S.Rudneva. Doshk.vosp. 37 no.5:107-112 My '64.

Music lessons in a group of various ages. R.Brok. Doshk.vosp. 36 no.12:28-34 D '63.

KINDERGARTENS

Role of nurseries and kindergartens in the treatment of children with pruritic dermatoses. *G.E Kuprits.* Vest.derm i ven 37 no.6:56-60 Je '63

Rural kindergarten as a cultural center. A.Solov'eva. Doshk.vosp. 36 no.12:76-77 D '63.

KINDNESS

Kindness for kindness. V.Grei. Sem'ia i shkola 18 no.3 8-9 Mr '64

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KINGISSEPP, VIKTOR, 1888-1922

Eestimaa Kommunistlik partei. Keskkomitee. Partei Ajaloo Instituut. [A professional revolutionist; reminiscences of and documents on V. Kingissepp (on the 75th anniversary of his birth)] Elukutse-riigikukutaja; malestusi ja dokumente V. Kingissepast (75. sunnipaevaks). Tallinn, Eesti Riiklik Kirjastus, 1963. 279 p. [In Estonian]

Rudnev, Danil. [Viktor Kingissepp in Moscow] Viktor Kingissepp Moskvas. Tallinn, Eesti Riiklik Kirjastus, 1963. 88 p. [In Estonian]

KIRGHIZISTAN—BIOLOGY—CONGRESSES

Konferentsiia molodykh biologov Kirgizii. [Materials of the Conference of Young Biologists of Kirghizistan] Materialy. Frunze, Izd-vo Akad. nauk Kirgizskoi *SSR.*
Vol.1. 1963. 128 p.

KIRGHIZISTAN—COLLECTIVE FARMS—ACCOUNTING

Problems in the economics of irrigation farming. V.Volodin. Vest.stat. no.6:9-15 '64.

KIRGHIZISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Frunze. Institut istorii partii. [Increase and control of the membership of the Communist Party of Kirghizia, 1918-1962; documents and materials] Rost i regulirovanie sostava Kommunisticheskoi partii Kirgizii 1918-1962 gg.; sbornik dokumentov i *materialov.* Frunze, Kirgizskoe gos. izd-vo, 1963. 280 p.
(CSt-H)

KIRGHIZISTAN—GEOLOGY

[Study of the geology of the U.S.S.R.] Geologicheskaia izuchennost' SSSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR.
Vol.46. [Kirghiz S.S.R., Kirgizskaia SSR] period 1951-1955.
No.1. [Published literature] Opublikovannaia literatura. 1963. 158 p.

KIRGHIZISTAN—GEOLOGY, STRATIGRAPHIC

Akademiia nauk Kirgizskoi SSR, Frunze. Institut geologii. [Problems of the Pre-Cambrian and Lower Paleozoic *stratigraphy of Kirghizia*] Voprosy stratigrafii dokembriia i nizhnego paleozoia Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi *SSR,* 1964. 76 p.

KIRGHIZISTAN—IRRIGATION CANALS AND FLUMES

Most urgent problems of the operation of irrigation systems. M.M.Kabakov. Gidr.i mel. 16 no.4: 39-44 Ap '64.

KIRGHIZISTAN—IRRIGATION FARMING

Problems in the economics of irrigation farming. V.Volodin. Vest.stat. no.6:9-15 '64.

KIRGHIZISTAN—SCHOOLS—ACCOUNTING

Improve accounting in the educational system. G.Kolesnikov. Bukhg.uchet. 21 no.4:63-64 Ap '64.

***KIRGHIZISTAN*—TECHNICAL SOCIETIES**

Much important business lies ahead. V.Andreianova. NTO 5 no 9:23-24 S '63.

KIRILOV, NIKOLAI VASIL'EVICH, 1860-1921

N.V.Kirilov's scientific legacy. D.D. Petrianov. [illegible] Perm.gos.med.inst. 43:199-202 '63.

KIROV PROVINCE—LUMBERING—SAFETY MEASURES

On a wood lot without accidents. I. Osipov. [illegible] i sots strakh. 7 no.6:18-19 Je '64.

KIROVAKAN REGION—RUNOFF

Mudflow phenomena within the boundaries of the Kirovakan district of the Transcaucasian Railroad. [illegible] Kokoshvili. Izv.AN Arm.SSR Nauki o zem. [illegible] 41-56 '64.

KIROVOGRAD—TELECOMMUNICATION—EMPLOYEES

The collective of the telecommunication center is improving the quality of its work. N.I. Karnosan. Vest. sviazi 24 no 5 26 [illegible] My '64

KIROVOGRAD PROVINCE—FOREMEN

Assistance to the leaders of production. V. Pilipko. Part zhizn' no.11 50-59 Je '64

KIROVOGRAD PROVINCE—PHARMACY—CONGRESSES

Let's expand the exchange of experience. I.A Vyshnevets'kyi. Farmatsev.zhur. 15 no.4:[illegible] '60.

KIROVOGRAD PROVINCE—PLANTS, PROTECTION OF

Acting in accordance with the needs of agriculture. [illegible] Lukashevich. Zashch.rast.ot vred.i bol. [illegible] 4 O '63.

KISELEVSK (KEMEROVO PROVINCE)—COAL MINES AND MINING—ACCOUNTING

Improve accounting for the future expenditures in a [illegible] L.Gumeniuk. Bukhg.uchet 21 no.4:54-55 Ap '64

KISHINEV—DESCRIPTION

Pilat, I.N. [Do you know Kishinev?] Znaesh' li ty Kishinev? Kishinev, Kartia Moldoveniaske, 1964 37 p.

KISHINEV—STATISTICS

Kishinev, Statisticheskoe upravlenie. [Kishinev, a statistical abstract] Kishinev; statisticheskii sbornik. Kishinev, Gos. stat. izd-vo, 1963. 191 p.

KITAY ISLAND—GULLS

Ecology of gulls on the Kitay Island. I.S.Soldatenk[illegible] Pratsi Od.un.Zbir.stud.rob. 148 no.4:110-111 [illegible]

KITCHENS see subdivision under Kiev

KIUKHEL'BEKER, VIL'GEL'M KARLOVICH, 1797-1846

"On a lecture delivered by V.K.Kiukhel'beker." Izv. AN SSSR.Ser.lit.i iaz. 22 no.6:502 N-D '63

KIZEL (PERM PROVINCE)—VOCATIONAL EDUCATION

Young technicians of Kizel. V.A.Shirokov. Shkola i proizv. 6 no.6:30 Je '64.

KIZEL BASIN—BORING

Dust collecting equipment for use in rock drilling in the Kizel Basin. E.G.Zyrianov and others. Nauch.trudy PermNIUI no.4:146-155 '62.

KIZEL BASIN—COAL

Residues from sodium carbonate plant as inhibitors of *low-temperature* oxidation of Kizel coals. [illegible] Nauch.trudy PermNIUI no.4:186-189 '62.

KIZEL BASIN—COAL MINES AND MINING

Development of a series of coal seams and selection of a place for lateral drifting in the Kizel Basin. N.P. Milonov. Nauch.trudy PermNIUI no.4:82-95 '62

Extraction of coal with long charges in Kizel Basin mines. L.K. Patokin. Nauch.trudy PermNIUI no.4:127-133 '62.

KIZEL BASIN—MINE TIMBERING

Efficiency and area of using precast reinforced concrete lining in Kizel Basin mines. N.P. Milonov. Nauch. trudy PermNIUI no.4:78-81 '62.

Selecting advantageous types of linings for development workings in the Kizel Basin. V.A. Moskvin. Nauch. trudy PermNIUI no.4:65-77 '62.

KIZEL BASIN—MINE WATER—MICROBIOLOGY

Role of the microbiological factor in the increase of the corrosive aggressiveness of mine waters of the Kizel *coal basin (with summary in English).* V.V. [illegible] Mikrobiologiia 32 no.4:696-699 Jl-Ag '63.

KIZEL *BASIN*—MINING ENGINEERING—COSTS

Economic efficiency of various plans for the develop*ment of seams* in the Kizel Basin. M.A. Shilkov, M.M. Rozhin. Nauch.trudy PermNIUI no.4:58-64 '62.

Expenditures for maintaining horizontal workings in the Kizel Basin. N.P. Milonov, M.N. Antonov. Nauch. trudy PermNIUI no.4:40-57 '62.

KIZEL BASIN—MINING ENGINEERING—STUDY AND TEACHING

Young miners are poorly trained in the Kizel Basin. V.Varfolomeev. Sov.shakht. 12 no.7:30 Jl '63.

KIZEL BASIN—STOPING (MINING)

Classification of Kizel coals according to their weltability in the massif and methods for the certification of stopes with the introduction of the method of water injection into the seam. IU. A. Osipov. Nauch. trudy PermNIUI no. 4:139-145 '62.

KIZILKUM see Kyzylkum

KLASSON, ROBERT EDUARDOVICH, 1868-1926

Kamenetskii, M. O. Robert Eduardovich Klasson. Moskva, Gosenergoizdat, 1963. 210 p.

KLICHKA REGION (TRANSBAIKALIA)—MINERALOGY

Concerning K.S. Taldykina's book on the mineralogy of the Klichka group deposits. V. G. Gladkov, V. A Namolov, B. P. Sanin. Geol. rud. mestorozh. 6 no. 2 119-120 Mr-Ap '64.

KLIMOV, ALEKSI IVANOVICH, 1902-

A. I. Klimov's pedagogical, scientific and public work, on the 60th anniversary of his birthday. A. I. Sizikov. Zap. Zabaik. otd. Geog. ob-va SSSR no. 10:95-96 '62.

KLIN-DMITROV RIDGE—EROSION

Soil erosion and water turbidity in the conditions of the Klin-Dmitrov Ridge E P Chernyshev Izv. AN SSSR Ser geog no 3 64-69 '64

KLIN-DMITROV RIDGE—RUNOFF

Soil erosion and water turbidity in the conditions of the Klinsk-Dmitrov Ridge. E P Chernyshev Izv AN SSSR. Ser geog no 3 64-69 '64.

KLIUEV, PETR NIKOLAEVICH

Friendly help in combat, V. Romankevich. Voen. -ist. zhur. 6 no. 5:49-51 My '64.

KLYAZ'MA RESERVOIR—FRESHWATER BIOLOGY

Some problems of the relationship between invertebrates and hydrophytes in Klyaz'ma Reservoir N. M. Kabanov Trudy Gidrobiol. ob-va 14:248-251 '63.

KNEE—TUBERCULOSIS

Pathologicoanatomical changes in gonitis tuberculosa according to the data of surgical findings. T. D. Gabibli. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no 2:119-124 '62.

KNIT GOODS—TESTING

Methodology for determining the resistance to abrasion of underwear knit fabrics. D. F. Simonenko, N. N. Pozhidaev, A. I. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:52-57 '64.

KNIT GOODS INDUSTRY see subdivision under Zhitomir

KNITTING MACHINES
(see also subdivision under Kiev)

Dynamic conditions of the work of the yarn during sinking. A. V. Manulashvili, T. K. Giorkhelidze. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:109-112 '64.

Magnitude of the bent of the latch needle end for circular hosiery knitting machines. V. N. Garbaruk, G. V. Invalidov. Tekst. prom. 24 no. 4:38-44 Ap '64.

Manufacture of run-resistant knit cloth on MT and sinker-wheel circular machines. N. P. Pugasof. Tekst. prom. 24 no. 4:14-51 Ap '64.

KNIVES

Bookbinding knife. A. G. Asmalov. Shkola i proizv. 6 no. 6:68 Je '64.

KNOWLEDGE, THEORY OF

"Mechanism" of the development of theoretical cognition. V. A. Vasiulin. Vest. Mosk. un. Ser. 8: Ekon., filos. 19 no. 2:48-59 Mr-Ap '64.

Objective nature of the laws of formal logic. P. A. Lozhebokov. Uch. zap. Kazakh. un. 40:92-104 '59.

Relation of the objective and the subjective in the theory of knowledge V A Lektorskii Vop. filos 18 no. 5:24-34 '64

Reznikov, L. O. [Gnoseological problems of semiotics] Gnoseologicheskie voprosy semiotiki. [Leningrad] Izd-vo Leningr. univ., 1964. 302 p.

Role of the simplicity principle in natural science theories V. N Kostiuk Vop filos. 18 no. 5.76-84 '64.

KOBRIN DISTRICT—ATHEISM

The road to success. M. Lachimov. Agitator no. 11: 44-47 Je '64.

KOBYSTAN—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Campanian sediments in the Kobystan oil- and gas-bearing region. A. Ali-Zade, N. T. Akhverdiev, E A. Khalilov. Dokl. AN Azerb SSR 20 no. 2:33-37 '64.

KOKKINAKI, VLADIMIR KONSTANTINOVICH, 1904-

A memorable anniversary. S. Ignat'ev. Kryl. rod. 15 no. 6:10 Je '64.

KOKOREV, VASILII IAKOVLEVICH, 1904-

On the occasion of the 60th birthday of V. IA. Kokorev. Khol. tekh. 41 no. 2:63 Mr-Ap '64.

KOKOREVKA (BRYANSK PROVINCE)—TRADE UNIONS—OFFICERS

Stepan Kuz'mich, a sketch. V. Chachin. Sov. profsoiuzy 20 no. 9:34-35 My '64

KOLA PENINSULA—GEOLOGY

Zagorodnyi, V. G., D. D. Mirskaia, and S. N. Suslova. [Geology of the Pechenga sedimentary and volcanic series] Geologicheskoe stroenie Pechengskoi osadochno-vulkanogennoi serii. Moskva, Izd-vo "Nauka," 1964. 206 p.

KOLA PENINSULA—MAGNETIC ANOMALIES

Geological interpretation of the deep magnetic anomalies of the Kola Peninsula G. A. Porotova, M S. Sipakova. Zap. LGI 46 no. 2:80-86 '63.

KOLA PENINSULA—PINK SALMON

Pink salmon in a lake. E. L. Bakshtanskii Nauch. -tekh biul PINRO no. 4 46-47 '62

Results of the natural spawning of humpback salmon in the rivers of the Kola Peninsula in 1961. V V Azbelev and others. Nauch. -tekh. biul PINRO no. 4:24-25 '62.

KOLA PENINSULA—PROSPECTING—GEOPHYSICAL METHODS

Geological interpretation of the deep magnetic anomalies of the Kola Peninsula. G. A. Porotova, M. S. Sipakova. Zap. LGI 46 no. 2:80-86 '63.

KOLA PENINSULA—SEISMIC PROSPECTING

Using the reflected wave method in the study of the deep structure of Kola Peninsula alkaline rocks. G. N. Shablinskii. Zap. LGI 46 no. 2:28-32 '63.

KOLCHAK, ALEKSANDR VASIL'EVICH, 1873-1920

The victory which predetermined the defeat of Kolchak. Voen. vest. 43 no. 5:124-125 My '64.

KOLKHOZES see Collective Farms

KOLLONTAI, ALEKSANDRA MIKHAILOVNA, 1872-1952

Iłkina, A. M. [Revolutionary, tribune, diplomat; an outline of Aleksandra Mikhailovna Kollontai's life] Revoliutsioner, tribun, diplomat; ocherk zhizni Aleksandry Mikhailovny Kollontai. Moskva, Politizdat, 1964. 128 p.

KOLUPAEV, GENNADII VASIL'EVICH

Wings of fighter planes. G. Smirnov. Komm. Vooruzh. Sil 4 no. 8:53-56 Ap '64.

KOMI A. S. S. R.—ECONOMIC ZONING

The Pechora Economic Regions of the Komi A. S. S. R. L. M. Semenov. Izv. Komi. fil. Geog. ob-va SSSR no. 8: 5-14 '63.

KOMI A. S. S. R.—GEOGRAPHICAL SOCIETIES

Work of the Komi Branch of the All-Union Geographical Society in 1961. V. Tur'eva. Izv. Komi. fil. Geog. ob-va SSSR no. 8:93-95 '63.

KOMI A. S. S. R.—LEMMINGS

New data on the distribution forest lemming in the Komi A. S. S. R. V. V. Tur'eva. Izv. Komi. fil. Geog. ob-va SSSR no. 8:87 '63.

KOMI A. S. S. R.—LUMBERING—TECHNOLOGICAL INNOVATIONS

We support the workers of the combine plant V Modianov. NTO 5 no. 9 16 S '63.

KOMI A. S. S. R.—MOOSE—PHYSIOLOGY

New data on the physiology of the moose in the Pechora-Ilych Reserve. L. I. Irzhak. Izv. Komi. fil. Geog. ob-va SSSR no. 8:80-89 '63.

KOMI A. S. S. R.—PETROLEUM GEOLOGY

Establishing main trends in prospecting for petroleum and gas in the Komi A. S. S. R. V. A. Raznitsyn. Izv. Komi. fil. Geog. ob-va SSSR no. 8:68-72 '63.

KOMI A. S. S. R.—PRECIPITATION (METEOROLOGY)

Distribution of atmospheric precipitation on the territory of the Komi A. S. S. R. A. P. Brattsev. Izv. Komi. fil. Geog. ob-va SSSR no. 8:38-48 '63.

KOMSOMOLSK-ON-AMUR—SALMONELLA INFECTIONS

Epidemiology of salmonellosis in Komsomolsk-on-Amur. V. IA. Vinogradov. Zhur. mikrobiol., epid. i immun. 40 no. 6:132-133 Je '63.

KON, FELIKS YAKOVLEVICH, 1864-1941

Feliks Kon in the Ukraine; on the 100th anniversary of his birth. L. P. Naborna. Ukr. ist. zhur. 8 no. 2:116-119 Mr-Ap '64.

KOPELIOVICH, ABRAM VUL'FOVICH, 1911-1964

A. V. Kopeliovich; an obituary. Lit. i pol. iskop. no. 2:166-168 Mr-Ap '64.

KOPETDAG—BRASSICACEAE

New Cruciferae in the flora of the Kopetdag. M. Batyrova. Izv. AN Turk. SSR. Ser. biol. nauk no. 2:71-73 '64.

KOPETDAG—LANDFORMS

Leveling surfaces of the Kopetdag and sediments correlative with them. E. T. Palienko. Dop. AN URSR no. 5:652-655 '64.

KOPETDAG—MOUNTAIN SHEEP

Reproduction of the mountain ram in Turkmenia. N. Ishadov. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 83-84 '64.

KOPETDAG—ROCKS, SEDIMENTARY

Leveling surfaces of the Kopetdag and sediments correlative with them. E. T. Palienko. Dop. AN URSR no. 5:652-655 '64.

KOPETDAG RANGE REGION—PHYSICAL GEOGRAPHY

Concise characteristics of the soil and geographical conditions of the foothill plain of western Kopet-Dag A P Lavrov Trudy Turk geog. ob-va no 1:94-117 '58.

KOPETDAG RANGE REGION—SOILS

Concise characteristics of the soil and geographical conditions of the foothill plain of western Kopet-Dag A. P Lavrov Trudy Turk geog. ob-va no. 1 94-117 '58.

KOREA, NORTH—MATERIA MEDICA, VEGETABLE

Some characteristics of Korean popular medicine and medical remedies. Report No. 2: Medicinal materials of vegetable origin. S. P Zakryvydoroha. Farmatsev. zhur. 16 no. 4:42-48 '61.

KOREAN LANGUAGE—ADVERB

Lexical-grammatical nature of Korean adverbial forms ending in "-ke." L. B Nikol'skii. Krat. soob. Inst nar. Az no. 72:156-159 '63.

KOREAN LANGUAGE—CASE

Use of Korean case endings. L. B. Nikol'skii. Krat soob. Inst nar Az no 72 151-155 '63.

KOREAN STUDIES

Interpretation of some ideological problems in Soviet Korean studies. P. Pak-Ir. Uch. zap. Kazakh. un. 40: 154-174 '59.

KORENEVO REGION (MOSCOW PROVINCE)—PALEOBOTANY, STRATIGRAPHIC

Outcrop near the village of Korenevo, Moscow Province, a geological monument of the Riss-Wurm Age with plants extinct in Europe. N. IA. Kats, S. V. Kats. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:53-60 '62.

KORNEEV, ALEKSANDR, 1933-

Three prize-winners IU. Usov. Sov. muz. 27 no. 12:66-67 D '63.

KOSOVO, BATTLE OF, 1389—SONGS AND MUSIC

Origin of the Serbian heroic songs of the Kosovo cycle. Novica Saulic. Rus. fol'k. 8:175-180 '63.

KOSTOMUKSHA REGION (KARELIA)—IRON ORES

Obtaining high-grade concentrates from iron quartzites of the Kostomuksha deposit. K. S. Pavlova. Obog. rud. 8 no. 4:9-14 '63.

KOSTROMA—EXCAVATING MACHINERY

Management school. V Aleksandrovskii. NTO 5 no 9: 56-57 S '63

KOSTROMA DISTRICT—PEAT MACHINERY

Winning of peat for fertilizers. L. Karpov. Tekh v sel'khoz. 24 no 5 21-23 My '64.

KOSTROMA PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Loss of the opposition of medium and medium-upper vowel phonemes in one North Great Russian dialect, according to spectral analysis data. R. F. Paufoshima. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 6:512-523 N-D '63.

KRAMSKOI, IVAN NIKOLAEVICH, 1837-1887

Kramsk[illegible] I, I.N. Ivan Nikolaevich Kramskoi. Moskva, [illegible] Izd-vo, 1963. II p. 50 plates.
(MH)

KRASNODAR TERRITORY—AGRICULTURE—STATISTICS

[illegible] N.Goncharo[illegible] Vest. [illegible]

KRASNODAR TERRITORY—CORN (MAIZE)

[illegible] people. V Petrvitskii. [illegible] '64.

[illegible] P Shcherbina [illegible] 24 [illegible] 39-42 M[illegible] '64

KRASNODAR TERRITORY—ENSILAGE

[illegible] during the ensilage [illegible] I.I Romash, I R.Fr kutsan. [illegible] 2 18-22 [illegible] '64.

KRASNODAR TERRITORY—RESERVOIRS

[illegible] reservoirs. D.I Reznikov, [illegible] Prom. [illegible] 41 no.1 38-40 Ja [illegible]

KRASNODAR TERRITORY—SOWING

[illegible] method for sunflowers D S Vasil'ev [illegible] 26 no 2 72-7[illegible] F '64

KRASNODAR TERRITORY—SUGAR BEETS

[illegible] organization of agricultural production in the supply zone of a sugar factory, using the example of sugar factories in Krasnodar Territory. IU.I Krasnop[illegible]. Vest. Mosk. un. Ser. 8 Ekon., filos. no 3 21-33 My-Je '64.

Improve the technology of sugar beet growing V Svet-[illegible] Tekh. v sel'khoz 24 no 5 10-15 M[illegible] '64

KRASNODAR TERRITORY—SUGAR INDUSTRY

[illegible] organization of agricultural production in the supply zone of a sugar factory, using the example of sugar factories in Krasnodar Territory. IU.I. Krasnop[illegible]. Vest. Mosk. un. Ser. 8 Ekon., filos. no. 3 21-33 My-Je '64

KRASNODAR TERRITORY—SUNFLOWERS

Pre[illegible] method for sunflowers D S Vasil'ev [illegible] 26 [illegible] 2 72-73 [illegible] '64

KRASNOKAMSK (PERM PROVINCE)—PAPER INDUSTRY—CONGRESSES

Academic-production conference on improving economic work. Nauch dokl vys.shkoly; ekon.nauki 7 no 1:118 '64

KRASNOKAMSK (PERM PROVINCE)—WOODPULP INDUSTRY—CONGRESSES

Academic-production conference on improving economic work. Nauch dokl vys shkoly ekon.nauki 7 no.1:118 '64.

KRASNOYARSK HYDROELECTRIC POWER STATION—DAMS

Dam of the Krasnoyarsk Hydroelectric Power Station. [illegible] Gidr stroi 34 no 4 15-26 Ap '64

KRASNOYARSK TERRITORY—CARPENTERS

The mittens, a story. V.Kruglikov. Sov.profsoiuzy 20 no.12 24-25 Je '64.

KRASNOYARSK TERRITORY—WARBLERS

Warblers Phylloscopus schwarzi Radde and Ph fuscatus Blyth in central Siberia R I Naumov, G S Kislenko Ornitologiia no 6 146-152 '63

KRASZEWSKI, JÓZEF IGNACY, 1812-1887

Remarks of the Russian press on the works of Józef Ignacy Kraszewski D.S. Prokof'eva. Izv. AN SSSR Ser. lit i iaz 22 no 6 532-535 N-D '63.

KREINES, MIKHAIL ALEKSANDROVICH, 1903-

M A Kreines on his 60th birthday P S Aleksandrov, I A Vainshtein M S Rozovskii Usp mat nauk 19 no 2 183 190 Mr-Ap '64

KREMLIN see Moscow—Kremlin

KRESOL see Cresol

KRIVOY ROG—FOLDS (GEOLOGY)

Consedimentation folding on the boundary of the Middle and Upper suites of the Krivoy Rog metamorphic series. V A.Kudelia. Dop. AN URSR no. 5:632-635 '64.

KRIVOY ROG BASIN—ELECTRICITY IN MINING

Condition of the insulation of underground electric equipment in Krivoy Rog Basin mines. L S. Tonkoshkur. Gor. zhur. no. 5.72-73 My '64.

KRIVOY ROG BASIN—IRON MINES AND MINING—LABOR PRODUCTIVITY

Growth of labor productivity at the Kirov Mine. N.IA. Gunkin. V.M.Koshelenko. Gor. zhur. no. 5:12-14 My '64.

KRIVOY ROG BASIN—IRON ORES

Genesis of the rich iron ores in the Saksagan' belt of the Krivoy Rog Basin. A. T. Dzhedzalov. Geol. rud. mestorozh. 6 no. 2:6-20 Mr-Ap '64.

KRIVOY ROG BASIN—MINING ENGINEERING

Underworking strip mine tracks by underground mining in the Krivoy Rog Basin. G. I. Chernyi, K. A. Gundarev. Nauch. zap. Ukrniiproekta no. 10 37-42 '63.

KRIVOY ROG BASIN—ORE DRESSING

Secondary recovery of iron from tailings of the Krivoy Rog ore Dressing plants. F. N. Belash, Kh. U. Koval'chuk, O V. Pugina. Gor. zhur. no. 11:57-61 N '63.

KRIVOY ROG BASIN—ROCKS—ANALYSIS

Consedimentation folding on the boundary of the Middle and Upper suites of the Krivoy Rog metamorphic series. V. A. Kudelia. Dop. AN URSR no. 5 632-635 '64.

KRIVOY ROG BASIN—STRIP MINING

Blasting in a compressed medium at the strip mine of the Ingulets mining and ore dressing combine. F. K. Alekseev, I. S. Malyi, N. S. Mordovets. Gor. zhur no. 11:25-29 N '63.

Experience in blasting of high benches at the Krivoy Rog Basin Central Mining and Ore Dressing Combine. M. G. Novozhilov and others. Gor. zhur. no. 11:29-33 N '63.

Stability of the slopes of Krivoy Rog Basin strip mine during underworking. N. N. Kuvaev. Nauch. zap. Ukrniiproekta no. 10 29-36 '63.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

In order to make life happier and more joyful. N. Krupskaia. Sov. profsoiuzy 20 no. 12:42 Je '64.

KRYPTON—ABSORPTION SPECTRA

Fine structure of X-ray M-absorption edges of krypton and N-absorption edges of xenon. A. P. Lukirskii, T. M. Zimkina, I. A. Brytov. Izv. AN SSSR. Ser. fiz. 28 no. 5 772-779 My '64.

KSHEMYSH VALLEY—FLYSCH

Upper Paleozoic flysch in the Kshemysh and Karavshin Basin (northern slope of the Turkestan Range). I. N. Cherenkov. Trudy Inst. geol. AN Tadzh. SSR 7:30-40 '63.

KUBA-AZOV LOWLAND—CLAY

Relations between clay minerals and organic matter in the oil producing sediments of the southern margin of the Azov-Kuban trough. G. I. Nosov, V. R. Vlodarskaia. Lit. i pol. iskop. no. 2:63-76 Mr-Ap '64.

KUBA-AZOV LOWLAND—OIL SANDS

Relations between clay minerals and organic matter in the oil producing sediments of the southern margin of the Azov-Kuban trough. G. I. Nosov, V. R. Vlodarskaia. Lit. i pol. iskop. no. 2:63-76 Mr-Ap '64.

KUBA-AZOV LOWLAND—ORGANIC MATTER

Relations between clay minerals and organic matter in the oil producing sediments of the southern margin of the Azov-Kuban trough. G. I. Nosov, V. R. Vlodarskaia. Lit. i pol. iskop. no. 2 63-76 Mr-Ap '64.

KUBAN—CORN (MAIZE)

Introduce advanced technology in agriculture. T. S. Dubonosov, A. D. Erkaev. Zemledelie 26 no. 5:12-20 My '64

KUBAN—ECONOMIC CONDITIONS

Vorygin, V. V., and B. IA. Vertkin, comps. [Man is famed for his work, sketches of the people of the Kuban] Chelovek delom slavitsia; ocherki o liudiakh Kubani. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 162 p.
(MH)

KUBAN—FARM MECHANIZATION

Introduce advanced technology in agriculture. T. S. Dubonosov, A. D. Erkaev. Zemledelie 26 no. 5:12-20 My '64.

KUBAN—FISHERIES

Classification of the Kuban limans from the point of view of biology and commercial fishing. S. K. Troitskii, N. N. Kharin. Trudy AzNIIRKH 1 no. 1:413-440 '60.

KUBAN—INDUSTRIES

Kachanov, A. I. [Kuban industry and its potentials] Promyshlennost' Kubani i ee rezervy. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 186 p.

KUBAN—LAGOONS

Classification of the Kuban limans from the point of view of biology and commercial fishing. S. K. Troitskii, N. N. Kharin. Trudy AzNIIRKH 1 no. 1:413-440 '60.

KUBAN—SUGAR BEETS

Introduce advanced technology in agriculture. T. S. Dubonosov, A. D. Erkaev. Zemledelie 26 no. 5:12-20 My '64.

KUCHURGAN VALLEY—EROSION

Phenomenon of erosion and eroded soils in the Kuchurgan basin. S. S. Brakin. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:163-167 '62.

KUKEKOV, GEORGII ALEKSANDROVICH, 1904-

G. A. Kukekov; on his 60th birthday. Elektrichestvo no. 5:94-95 My '64.

KULIKOVO, BATTLE OF, 1380—SONGS AND MUSIC

The Serbian song about the Kulikovo Battle. [illegible] Sheptaev. Rus. fol'k. 8:181-185 '63.

KULISHENKO, GRIGORII AKIMOVICH, 1908-1939

Tel'man, I. G. [Kuli-Shen, or the nonfictional legend] Kuli-Shen, ili nevydumannaia legenda. Moskva, [illegible] Politizdat, 1964. 78 p. (Geroi i podvigi)

KULUNDA STEPPE—SOIL CONSERVATION

Spring tillage of eroded soils. M. I. Kalugin. [illegible] 26 no. 5:82-83 My '64.

KULUNDA STEPPE—TILLAGE

Spring tillage of eroded soils. M. I. Kalugin. [illegible] 26 no. 5:82-83 My '64.

KUMA VALLEY—PETROLEUM—ANALYSIS

Relation of the basic physicochemical properties [illegible] to the time of the formation of oil accumulations [illegible] Kuma Valley. I. V Mashkov Trudy VNIGNI [illegible] 88 '63.

KUMA VALLEY—PETROLEUM GEOLOGY

Jurassic stratigraphy of the sediments of the [illegible] bearing region. K. M. Sultanov, Ch. M. Ismailov [illegible] S. S. Samedov. Izv. vys. ucheb. zav.; neft' i gaz no. 8:9-13 '63.

KUNANBAEV, ABAI, 1845-1904

Ideological sources of the philosophy of Abai Kun[illegible] B. Gabdullin. Uch. zap. Kazakh. un. [illegible]

KUNASHIR ISLAND—GEOLOGICAL TIME

Absolute age of the intrusive rocks of the Kunashir [illegible] Urup Islands (Kurile Islands). I. V. Il'inov. [illegible] SSSR 156 no. 4:841-842 Je '64.

KUPALOV, PETR STEPANOVICH, d. 1964

Petr Stepanovich Kupalov; an obituary. Zhur. vys. [illegible] deiat 14 no. 2 374-375 Mr-Ap '64.

KUPRIIANOV, PETR ANDREEVICH, 1893-1963

Surgeon and scientist P. A. Kupriianov. V. I Kol[illegible] Khirurgiia 39 no. 8:3-9 Ag '63.

KURA LOWLAND—BIRDS

Winter population of birds in the Shirvan Steppe [illegible] Zlotin Ornitologiia no. 6:201-209 '63

KURA VALLEY—GAS, NATURAL—GEOLOGY

Possible oil-and gas-bearing series and a plan for [illegible] prospecting within the boundaries of the Kura Valley in western Azerbaijan. G. I. Rasulov. Dokl. AN Azerb. SSR 20 no 2:39-41 '64.

KURA VALLEY—PETROLEUM GEOLOGY

Possible oil-and gas-bearing series and a plan for [illegible] prospecting within the boundaries of the Kura Valley in western Azerbaijan G. I. Rasulov. Dokl. AN Azerb. SSR 20 no. 2:39-41 '64

KURAKHOVO (DONETSK PROVINCE)—HEALTH EDUCATION

Sanitary educational work of a pharmacy. K. S. Mel[illegible]lova. Farmatsev. zhur. 14 no. 4:82 '59.

KURAKHOVO (DONETSK PROVINCE)—WATER, DISTRI[illegible]

Our improvements. K. S. Alekseieva. [illegible] 15 no. 5:77-78 '60.

KURAMA RANGE—DOLERITES

Gor'kovoi, O. P. [Dolerite dikes of the Kurama Range] Diabazovye daiki Kuraminskikh gor. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 129 p.

KURDISH LANGUAGE—AFFIXES

The suffix "-owe" in Kurdish; the Sorani dialect [illegible] Smirnova. Krat. soob. Inst. nar. Az no 72:92-101 [illegible]

KURDISH LANGUAGE—DIALECTS

The suffix "-owe" in Kurdish; the Sorani dialect [illegible] Smirnova. Krat. soob. Inst nar. Az. no. 72:92-101 [illegible]

KURDISTAN

Lazarev, M. S. [Kurdistan and the Kurd problem: from the nineties to 1917] Kurdistan i kurdskaia problema. 90-e gody XIX veka - 1917 g. Moskva, Izd-vo "Nauka," 1964. 398 p.

KURDS

Lazarev, M. S. [Kurdistan and the Kurd problem: from the nineties to 1917] Kurdistan i kurdskaia problema. 90-e gody XIX veka - 1917 g. Moskva, Izd-vo "Nauka," 1964. 398 p.

KUREK, NIKOLAI NIKOLAEVICH, -1963

Nikolai Nikolaevich Kurek; an obituary. Zap. Vses. [illegible] ob-va 93 no. 2:246-247 '64.

KURGAN PROVINCE—GRAIN—DISEASES AND PESTS

European grain thrips. IU. B. Shurovenkov. Zashch. rast. ot vred. i bol. 8 no. 10:19-20 O '63.

KURGAN PROVINCE—THRIPS—EXTERMINATION

European grain thrips. IU. B. Shurovenkov. Zashch. rast. ot vred. i bol. 8 no. 10:19-20 O '63.

KUROW, POLAND—WORLD WAR, 1939-1945

Courage and resourcefulness is a guarantee of victory. S. Sukhachev Voen.-ist zhur 5 no.5 54-58 My '63

KURSK MAGNETIC ANOMALY—BAUXITE

Origin of the bauxites of the Kursk Magnetic Anomaly region. A.K.Gladkovskii, V N Khramtsov. Dokl AN SSSR 156 no.4:821-824 Je '64

KURSK MAGNETIC ANOMALY—IRON MINES AND MINING

lemam kurskoi
Sheviakova.
ind dressing of
Anomaly]

Tekhnologiia podzemnoi dobychi i obogashcheniia zhelezistykh kvartsitov KMA. Moskva, Izd-vo "Nauka," 1964. 114 p.

KURSK MAGNETIC ANOMALY—MINE DRAINAGE

Experience in deep drainage at the Yakovlevo mine in the Kursk Magnetic Anomaly. A.A.Infant'ev, A.I. Mitrofanov. Gor. zhur. no.11,16-22 N '63.

KURSK MAGNETIC ANOMALY—ORE DRESSING

Production of high-quality concentrates at the IUzhno-Korobkovskaia ore Dressing Plant of the "KMAruda" Combine. A.I. Churakov, IU.P. Mikhaliak, V.P. Filmov. Gor.zhur. no.11:50-52 N '63.

KURSK MAGNETIC ANOMALY—STRIP MINING

Investigating the advantageous overburden disposal in dump piles in strip mines of the Mikhaylovka Iron Ore Combine in the Kursk Magnetic Anomaly using the linear programming method M A.IAstrebinskii. Nauch trudy Mosk.inst.radioelek.i gor.elektromekh no.47: 136-142 '63.

KURSK PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Fertilizers improve the resistance of corn. Z.IA. Agafonova. Zashch.rast.ot vred.i bol. 9 no.5:19 '64.

KURSK PROVINCE—SLOPES (PHYSICAL GEOGRAPHY)

Slope asymmetry of the gully and ravine network of Kursk Province and the role of firns in their formation V IA Frolov Izv.AN SSSR.Ser geog no 3 59-63 '64

KURSK PROVINCE—SNOW

Slope asymmetry of the gully and ravine network of Kursk Province and the role of firns in their formation V IA Frolov Izv.AN SSSR Ser. geog no 3 59-63 '64

KUSKOVO (MOSCOW PROVINCE)—CHEMICAL INDUSTRIES—FINANCE

Control is the main thing G Knopov. Fin.SSSR 38 no 5 47-49 My '64

KUSTANAY PROVINCE—AGRICULTURAL ADMINISTRATION

Papers won't produce harvest. I. Molenovskii. Sov. profsoiuzy 20 no.9:6-8 My '64.

KUSTANAY PROVINCE—MAPS

Moscow. Universitet. [Atlas of Kustanay Province] Atlas Kustanaiskoi oblasti. Moskva, Glav. upr. geodez. i kartografii Gos. geol. kom-ta SSSR, 1963. 79 p.

KUSTANAY PROVINCE—SOIL MOISTURE

Water balance elements of the soils in Kustanay Province M.E IAkovleva Dokl TSKHA no.84:67-73 '63.

KUSTANAY PROVINCE—TILLAGE

Causes of the decrease in the number of wireworms during tillage. G.T.Shuvalov. Vest.sel'khoz.nauki [Kazakh.] 7 no.4:59-64 Ap '64.

KUSTANAY PROVINCE—TRADE UNIONS

Papers won't produce harvest. I. Molenovskii. Sov. profsoiuzy 20 no.9:6-8 My '64.

KUSTANAY PROVINCE—WIREWORMS—EXTERMINATION

Causes of the decrease in the number of wireworms during tillage. G.T.Shuvalov. Vest.sel'khoz.nauki [Kazakh.] 7 no.4:59-64 Ap '64.

KUTKASHEN DISTRICT—AFFORESTATION

Study of the antierosion effect of the root systems of trees and shrubs in the mountain-forest zone of Kutkashen District. M.IU.Khalilov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.2:97-104 '62.

KUTKASHEN DISTRICT—EROSION

Study of the antierosion effect of the root systems of trees and shrubs in the mountain-forest zone of Kutkashen District. M.IU.Khalilov. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.2:97-104 '62

KUUSINEN, OTTO VIL'GEL'MOVICH, 1881-1964

In memoriam O.V.Kuusinen. Vest.AN SSSR 34 no.5: II-IV My '64.

KUYBYSHEV—COMMUNIST EDUCATION

New work methods in residential areas. N. Popkov. Agitator no.11:25-28 Je '64.

KUYBYSHEV—COMMUNITY ORGANIZATION

New work methods in residential areas. N. Popkov. Agitator no.11:25-28 Je '64.

KUYBYSHEV—INDUSTRIAL MANAGEMENT

Personal example of a communist V Vetlitskii Part zhizn' no 11 53-55 Je '64

KUYBYSHEV—SOCIAL PROBLEMS

One hundred pages of offenses and complaints IA. Fomenko Part zhizn' no 10 75-78 My '64

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—AIR—POLLUTION

Air over cities should be pure V. Sharlot, IU. Krasnopevtsev, S Matlin. Okhr truda i sots strakh. 7 no 6 26 Je '64.

KUYBYSHEV PROVINCE—ENCEPHALITIS—PREVENTION

Results of a study of tick-borne encephalitis foci in Kuybyshev Province and measures for their extermination. L.B.Popova, V.B. Levit, IU.I.Gadalin. Vop.med.virus. no.6 130-132 '59.

KUYBYSHEV PROVINCE—FIELD CROPS

Green fallow crops in the Volga Valley. D I Burov, I.I Gunkin. Vest sel'khoz nauki 9 no.5 52-55 My '64.

KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY

Isotopic composition of the sulfur of the oils and casing-head gases in the Bobrikovo horizon of the Zhiguli and Mukhanovo tectonic zones. R G.Pankina Trudy VNIGNI no.40:202-210 '64.

KUYBYSHEV PROVINCE—SULFUR ISOTOPES

Isotopic composition of the sulfur of the oils and casing-head gases in the Bobrikovo horizon of the Zhiguli and Mukhanovo tectonic zones. R.G Pankina. Trudy VNIGNI no.40:202-210 '64.

KUYBYSHEV PROVINCE—TICKS—EXTERMINATION

Results of a study of tick-borne encephalitis foci in Kuybyshev Province and measures for their extermination. L.B.Popova, V.B. Levit, IU.I.Gadalin. Vop.med.virus. no.6:130-132 '59.

KUZNETSK—MINING ENGINEERING

Analysis of breaking ore by deep holes. A.S.Il'in. Gor. zhur. no.11:14-16 N '63.

KUZNETSK BASIN—COAL MINES AND MINING

To new successes, Kuznetsk Basin miners. Sov.shakht. 12 no.7:2-3 Jl '63.

KUZNETSK BASIN—HYDRAULIC MINING

Introduction of hydraulic coal mining in Kuznetsk Basin mines. V.S. Muchnik, V.D. Rechin, R.I.Sirotina. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch i tekh.inform. 17 no.5 13-14 My '64.

KUZNETSK BASIN—INDUSTRIAL HYGIENE

Beacon lights of Kuznetsk Basin. I.Kurochkin. Okhr. truda i sots.strakh. 7 no 6 11-12 Je '64.

KUZNETSK BASIN—MINE VENTILATION

Ventilation of stopes by means of a general depression at the Polysaevo-Severnaya hydraulic mine. V.G. Ivanushkin. Trudy VNIIGidrouglia no.2:32-34 '63.

KUZNETSK BASIN—SALMONELLA

Characteristics of salmonellas isolated in the territory of the Kuznetsk Basin. P.I.Buchin and others. Zhur. mikrobiol.,epid.i immun. 40 no.6:121-122 Je '63.

KWANGTUNG PROVINCE, CHINA—FLESH FLIES

Some data on gray flesh flies (Diptera, Sarcophagidae) in southern China. B.B.Rodendorf. Ent oboz. 43 no.1 80-86 '64.

KYZYL—DESCRIPTION

Kyzyl. Tuvinskii nauchno-issledovatel'skii institut iazyka, literatury i istorii. [Kyzyl, capital of Soviet Tuva 1914-1964] Kyzyl - stolitsa Sovetskoi Tuvy (1914-1964). Kyzyl, Tuvinskoe knizhnoe izd-vo, 1964. 127 p.

KYZYL-AGACH PRESERVE—BIRDS

Present conditions of birds wintering in the Kyzyl-Agach Preserve B.P.Dobrokhotov Ornitologiia no 6 355-359 '63.

KZYL-ORDA PROVINCE—RICE—FERTILIZERS AND MANURES

Effect of the time of the placement of nitrogen fertilizers on the yield and quality of rice. S.B. Ramazanova. Vest.sel'khoz.nauki 9 no 5.17-18 My '64.

KZYL-ORDA PROVINCE—RICE—HARVESTING

Mechanization of harvesting rice by stages in Kzyl-Orda Province. M.R.Aishinbaev, A. Appazov. Vest. sel'khoz.nauki [Kazakh.] 7 no.4:112-119 Ap '64.

KYZYLKUM—BOTANY

Granitov, I.I. [Plant cover of the southwestern Kyzylkum] Rastitel'nyi pokrov IUgo-Zapadnykh Kyzylkumov. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR.
Vol.1. 1964. 334 p.

LABAZIN, GRIGORII SERGEEVICH, 1898-1963

Grigorii Sergeevich Labazin, an obituary. Geol.rud. mestorozh. 6 no.2 125-126 Mr-Ap '64.

Grigorii Sergeevich Labazin; an obituary. Zap.Vses. min.ob-va 93 no.2,245-246 '64.

LABELS

The label. M.I.Tkachuk. Farmatsev.zhur. 14 no.4: 79-80 '59.

More on labels and silent inspection in pharmacies. B.P.Mel'nychenko. Farmatsev.zhur. 14 no.3 70-73 '59.

LABOR (OBSTETRICS)

Contractile activity of the uterus in women during labor with a flat amnion. L.I. Lebedeva. I.I. IAkovlev. Akush.i gin. no.1 72-76 '63.

LABOR, COMPLICATED

Amniotic fluid embolism as a cause of labor shock, review of literature. B.M.Kaminskii. Akush.i gin. no.1 79-85 '63.

Results of the use of conical diathermic excision in the treatment of pathological processes in the cervix uteri resulting from birth injuries S.S.Rogovenko. Vop onk. 8 no 11 84-88 '62

Urinary incontinence arising after rupture of the symphysis pubis during labor. I.P.Tumanov. Akush. i gin. no.1:128-129 '63.

LABOR AND LABORING CLASSES
(see also subdivision under Finland, Germany; Middle Ural Economic region; Moscow, Transcarpathia; Ukraine, United States)

Moscow. Universitet. Kafedra istorii SSSR. [From the history of the laboring class and industry of the U.S.S.R.; papers of the Department's graduates] Iz istorii rabochego klassa i promyshlennosti SSSR; sbornik statei vypusknikov kafedry. [Moskva] Izd-vo Moskovskogo univ., 1964. 223 p.

Only unity can guarantee the victory of the working class. L.Saillant. Vsem.prof.dvizh. no.5 8-9 My '64.

Systematic labor as a factor in increasing its productivity. P.Klevtsov. Sots.trud 9 no.6:126-131 Je '64.

Valuable work of collective Marxist thought A I Golota Vop filos 18 no 5 160-164 '64

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—CONGRESSES

Kotok, V.F. [Congresses and conferences of workers as a form of direct democracy in the U.S.S.R.] S"ezdy i soveshchaniia trudiashchikhsia—forma neposredstvennoi demokratii v SSSR. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 102 p.

LABOR AND LABORING CLASSES—EDUCATION
(see also subdivision under Moscow)

Perfecting the methods for organizing the ideological education. IU.I.Tarasov. Uch.zap.kaf.obshchestv. nauk.vuz.g.Len., Ist.KPSS no.5:70-87 '64

LABOR AND LABORING CLASSES—PERIODICALS

Meetings with the readers of "Sotsialisticheskii trud" journal. Sots.trud 9 no.6:148-149 Je '64.

LABOR CONTRACT

Abzhanov, Kuben. [Labor contract in Soviet law] Trudovoi dogovor po sovetskomu pravu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 190 p.

LABOR LAWS AND LEGISLATION
(see also subdivision under Iran; Nizhniy Tagil)

[Decisions of the All-Union Central Council of Trade Unions] Sbor.post.VTSSPS O-D '64.

Klenov, E.A. [Judicial safeguards for the rights of workers and employees in case of dismissal] Sudebnaia zashchita prav rabochikh i sluzhashchikh pri uvol'nenii. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 85 p.

Letters from the editor. Sov.profsoiuzy 20 no.9:45 My '64.

New standard regulations. Sov.profsoiuzy 20 no.12:46 Je '64.

The role of public organizations in making the rights and freedoms of Soviet citizens effective. A.F. Brianskii. Sov.gos.i pravo 34 no.6:22-30 Je '64.

Survey of labor legislation and judicial practice. Sots. trud 9 no.5:143-147 My '64.

LABOR LAWS AND LEGISLATION—STUDY AND TEACHING

Andreev, V.S. [Problems of Soviet labor law in the light of the decisions of the 22d Congress of the CPSU, textbook for students of the All-Union Law Correspondence Institute] Voprosy sovetskogo trudovogo prava v svete reshenii XXII s"ezda KPSS; uchebnoe posobie dlia studentov VIuZI. Moskva, Vses. iurid. zaochnyi in-t, 1962. 34 p.

LABOR LAWS AND LEGISLATION—STUDY AND TEACHING (Continued)

[illegible] (1923- U.S.S.R.) Upravlenie podgotovki kadrov sovetskikh rabotnikov. [Fundamentals of Soviet civil and labor law, topical plan and methodological instructions. For students of correspondence courses to raise the qualifications of accountants and principal (senior) accountants of state farms] Osnovy sovetskogo grazhdanskogo i trudovogo prava, tematicheskii plan i metodicheskie ukazaniia. Dlia uchashchikhsia zaochnykh kursov povysheniia kvalifikatsii bukhgalterov i glavnykh (starshikh) bukhgalterov sovkhozov. Moskva, Statistika, 1964. 26 p

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

LABOR PASSPORTS

[illegible] according to his work record] A Mias[illegible] [illegible] trud 9 no.6 3-6 Je '64.

LABOR PRODUCTIVITY
(see also subdivision under Estonia; Georgia, Siberia)

[illegible] of the expenditures of labor and measures for [illegible] R G, Khenokh, O.I.Il'iashenko. Energ. [illegible] no 3, 67-70 '63.

[illegible] the intensity of socialist labor A.Solov'ev Vop. ekon. no 6 120 122 Je '64.

Mas'linskii, I A [Calculation methods for determining the growth potential of labor productivity] Metody raschetov pri vyiavlenii rezervov rosta proizvoditel'nosti truda Moskva, Ekonomika, 1964 142 p. (V pomoshch' ekonomistu i planoviku)

[illegible] labor productivity in plants. [illegible] Nauch. zap. Ukr.poligr inst. 15 3-20 [illegible]

[illegible] labor productivity in the improvement of the welfare of the Soviet people K I.Safrankov Trudy NZVI 12 [illegible]

[illegible] the increase in general labor productivity [illegible] Ratner Standartizatsiia 28 no.4 13-16 [illegible]

Vinogradov, I. P [For everybody as well as for yourself; labor productivity for society and the individual] Dlia vsekh i dlia sebia, proizvoditel'nost' truda - obshchestvu i kazhdomu Moskva, Izd-vo "Znanie," 1964. 31 p (Novoe v zhizni, nauke, tekhnike. III Seriia Ekonomika, no 10)

LABOR PRODUCTIVITY—BIBLIOGRAPHY see Bibliography—Labor productivity

LABOR SUPPLY
(see also subdivision under Volga-Vyatka Economic region)

Pliner, M.D. [Reproduction of the labor force in U.S.S.R. industry] Vosproizvodstvo rabochei sily v promyshlennosti SSSR. [Leningrad] Izd-vo Leningr. univ., 1964. 114 p.

LABOR TURNOVER

[illegible] and the reducing of workers' turnover. P. A. Plavskii. Khleb.i kond.prom. 7 no. 12 [illegible]

LABORATORIES—EQUIPMENT AND SUPPLIES

Apparatus for sterilizing glassware and slanting nutrient media in test tubes. I.T.Natykach, S S.Badyva. Lab. delo no 2:120-121 '64.

Machine for preparing cotton stoppers. P A.Suprun, V.D Bakhmetarov. Lab.delo no.2:118-120 '64.

Micromanipulator for work with unicellular cultures. Josef Benedec. Lab.delo no.2:124-126 '64

New thermostats; an informative report. N.L.Kharanovich. Lab.delo no.2:122-124 '64.

LABORATORIES, MEDICAL see Medical laboratories

LABORATORY ANIMALS

Zoonoses in laboratory animals and their danger for man. A.I. Metelkin. Zhur.mikrobiol., epid.i immun. 40 no.5 113-117 My '63.

LABYRINTH (EAR)

Effect of ionizing radiation on the change in the sensitivity and reactivity of the vestibular analyzer. A.A.Sveshnikov, A V.Sevan'kaev Probl.kosm.biol. 3:355-365 '64.

Excitability of the vestibular analyzer in man under the conditions of short-term weightlessness. E.M.IUganov, A.I Gorshkov. Probl.kosm.biol. 3:167-175 '64.

Vegetative responses to the stimulation of the vestibular analyzer and their possible role in complicating the conditions of a space flight A.V.Lebedinskii and others Probl kosm.biol. 3:278-288 '64

Vestibular analyzer in animals and artificial gravity. E.M.IUganov, D V.Afanas'ev. Probl.kosm.biol. 3:176-183 '64.

LACIS, VILIS, 1904-

[People's Writer Vilis Lacis; his life and work in pictures] Tautas rakstnieks Vilis Lacis; dzive un darbs attelos Riga, Latvijas Valsts izd-ba, 1964. 1 v. (chiefly illus.) [In Latvian]

LACTIC ACID BACTERIA—CULTURES AND CULTURE MEDIA

Effect of nitrates, nitrites, and methylene blue on the amount of the fermentation products of typical lactic acid bacteria G.I Pereverzeva Dokl TSKHA no 84:268-273 '63

LACTONES

Lactones of Peucedanum mogoltavicum Korov. G.K. Nikonov, V.B.Kuvaev. Zhur.ob.khim. 34 no.3: 1020-1024 Mr '64.

Unsaturated acids and macrocyclic lactones. Report No.12: Synthesis of macrocyclic β-hydroxylactones. L.D.Bergel'son, IUl G.Molotkovskii. Izv.AN SSSR. Ser khim. no.5:860-863 My '64

LADOGA, LAKE—SALMON

Effectiveness of measures for increasing the stock of Ladoga salmon. Z.A Bolanskaia. Ryb.khoz. 40 no.1: 29-30 '64.

LADOGA LAKE REGION—BACTERIA, SULFUR

Sulfur bacteria of the detritus of the Ladoga region lakes [with summary in English] A.G.Rodina. Mikrobiologiia 32 no.4:675-682 Jl-Ag '63.

LADOGA LAKE REGION—WATER—MICROBIOLOGY

Sulfur bacteria of the detritus of the Ladoga region lakes [with summary in English]. A G.Rodina. Mikrobiologiia 32 no 4:675-682 Jl-Ag '63.

LADYBIRDS see subdivision under Kabardino-Balkar A.S.S.R.

LADYBIRDS—EXTERMINATION

Potato ladybird beetle. V.V.Shabliovskii, G V.Gusev, P.A.Esipenko. Zashch rast.ot vred.i bol. 9 no.2: 24-25 '64.

LAGOONS see subdivision under Kuban

LAKES—TEMPERATURE see subdivision under Sevan, Lake

LAMBLIASIS see Giardiasis

LAMBS—DISEASES AND PESTS

Restoration of the external respiration in lambs with acute catarrhal and suppurative catarrhal bronchopneumonia under the effect of antibiotic treatment. I S Podlinnov Trudy AZVI 12 498-505 '61

LAMELLIBRANCHIATA see subdivision under Severnaya Bay (Ukraine)

LAMELLIBRANCHIATA, FOSSIL see subdivision under Bessarabia

LAMINATED METALS

Manufacture of bimetal strips with aluminum-tin alloys. K.M.Rakov. Trudy TSNII MPS no.277:72-81 '64.

Technology of manufacturing a cast bimetal for heavy-duty bearings. M.E.Semenov Trudy TSNII MPS no. 277:82-88 '64.

LAND

Main requirements toward the content of Soviet land cadastre G.Gorokhov. Ekon.sel'khoz. 35 no.5: 95-98 My '64.

LAND—CONGRESSES

Conference on land utilization. L.Osipov and others. Ekon.sel'khoz. 35 no.5 126 My '64.

LAND TENURE see subdivision under Bulgaria; China; Croatia; Italy; Kazan Province; Ossetia, North; Peru

LANDFORMS
(see also subdivision under Abkhazia; Caucasus, Northern; Dnieper Valley; Kopetdag; Oka-Don Lowland; Queen Maud Land; Tashauz District)

Glazovskaia, M.A. [Geochemical fundamentals of the typology and the investigation methods of natural landforms; textbook] Geokhimicheskie osnovy tipologii i metodiki issledovanii prirodnykh landshaftov, uchebnoe posobie. [Moskva] Izd-vo Mosk.univ., 1964. 229 p.

LANDING OPERATIONS

Exercise with a company of amphibious personnel carriers A.Belykh, N Chernykh. Voen.vest. 43 no.5:89-92 My '64.

A landing platoon in a combat reconnaissance patrol. A.Kuznetsov. Voen.vest. 43 no.5.56-60 My '64.

LANDLORD AND TENANT

Judicial practice of taking without indemnity of a dwelling acquired as a source for unearned income V Paniugin. Sots zakon. 41 no.3:22-25 Mr '64

LANDSCAPE ARCHITECTURE

Effect of sound absorbing and soundproofing by means of landscaping on the reduction of city noises. V.A.Osin. Nov tekh.zhil.-kom.khoz.: Blagoustr.gor. no.2:116-123 '62.

Elenskii, M.S., and V.I.Pal'gov, eds. [Planning and developing of sanitary protective zones of industrial districts] Planirovka i blagoustroistvo sanitarno-zashchitnykh zon promyshlennykh raionov. Kiev, Gosstroiizdat USSR, 1964. 74 p.

Kazakov, B.S. [Principles of construction work [illegible] dens and parks] Osnovy stroitel'nogo dela v [illegible] parkovom khoziaistve. Izd.2., dop. i [illegible] Izd-vo M-va kommun. khoz. RSFSR, 1963. [illegible]

LANDSCAPE GARDENING
(see also subdivision under Odessa)

Palentreer, S.N. [Landscape gardening, landscapes in parks and forest parks] Landshaftnoe iskusstvo postroenie peizazhei v parkakh i lesoparkakh [IAroslavl'] Rosvuzizdat, 1963. 132 p. illus. (DNAL)

LANGUAGE AND LANGUAGES

Kobyllans'kyi, B.V. [Brief review of the history of linguistics] Korotkyi ohliad istorii movoznavstva [illegible], Radians'ka shkola, 1964. 152 p.

Problems of Marxist linguistics. [illegible] AN SSSR.Ser.lit.i iaz. 22 no [illegible]

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Editor's mail. Sred.spets.obr. 11 no.5 [illegible] '64.

Useful and exciting work. I.P.Organ[illegible] [illegible] obr. 11 no.5 37-40 My '64.

LANTERN FISHES
(see also subdivision under Indian Ocean, Pacific [illegible]

Some characteristics of the structure of larvae [illegible] family Myctophidae. T.A.Pertseva-O[illegible] Trudy Inst.okean. 73:70-92 '64.

LANTHANIDES see Rare earths

LANTHANUM OXIDES

Phase equilibria in the system lanthanum oxide [illegible] num oxide. I.A.Bondar', N.V.Vinogradova, [illegible] SSSR.Ser.khim. no.5:790-796 My '64

Rare earth silicates as crystal-chemical [illegible] Solid solutions of tricalcium silicate with [illegible] oxyorthosilicate. A.I.Boikova, N.A.Toropov, [illegible] Kuznetsov. Dokl.AN SSSR 156 no.4:[illegible]

LAO—POLITICS AND GOVERNMENT

Our comments. Nov vrem. 31 no.32 [illegible]

A sally of the reactionaries. A.[illegible] zhizn' 11 no.6:100-100 Je '64.

LAPTEV SEA—MARINE SEDIMENTS

Suspended matter of the Laptev Sea. N.A.Bel[illegible] Erofeev. Trudy AANII 264:78-70 '63.

LAPTEV SEA—OCEAN CURRENTS

Heat flow in the currents of the Laptev Sea. [illegible] Chaplygin. Trudy AANII 248:[illegible] '64.

LAPTEV SEA—OCEAN TEMPERATURE

Calculation of the total radiation and effective [illegible] in the Laptev Sea. Z.P.Fedorova. Trudy AANII 246:20-36 '63.

LAPTEV SEA—OCEANOGRAPHY

Forecasting calculation of the rise and flow [illegible] the bar of the Indigirka River. N.V.Mustafin [illegible] AANII 246:71-76 '63.

Relations between winter and summer hydrological conditions in the Laptev Sea. E.I.Chaplygin. [illegible] AANII 264:5-8 '63.

LAPTEV SEA—SOLAR RADIATION

Calculation of the total radiation and effective [illegible] in the Laptev Sea. Z.P.Fedorova. Trudy AANII 246:20-36 '63.

LARCH—DISEASES AND PESTS see subdivision under Siberia

LARK see subdivision under Armenia

LARKSPUR

Some results of chemical investigation of [illegible] arvensis. I.P.Karpus'. Farmatsev.zhur. 18 [illegible] 53-56 '63.

LARVAE—FISHES

Some characteristics of the structure of larvae of the family Myctophidae. T.A.Pertseva-Ostroumova Trudy Inst.okean. 73:70-92 '64.

LARVAE—INSECTS

Head structure of the larvae and the natural system of the order Diptera [with summary in English]. N.P. Krivosheina. Zool.zhur. 43 no.2:193-205 '64.

Mode and duration of migrations of the larvae of [illegible] flies (Diptera, Simuliidae). I.A.Rubtsov. [illegible] 43 no.1:52-66 '64.

LARVAE—MOLLUSKS

Phenology of bivalve mollusk larvae of the Bay of Sevastopol. K.A.Zakhvatkina. Trudy SBS 16:133-175 '63.

LARYNX

Development of the laryngeal cavity in human embryogenesis R M Petrova Arkh anat , gist i embr 14 no 4 100-104 Ap '63

LASERS

Chernyshev, V.N. [Lasers in outer space, on the earth, and under water] Lazery v kosmose, na zemle i pod vodoi. Moskva, Voenizdat, 1964. 102 p.

LATE, ALEKSANDER, 1860-1948

Vahter, Artur. Aleksander Late. Tallinn, Eesti Raamat Kirjastus, 1963. 164 p. (Eesti heliloojaid) [In Estonian]

LATGALE (LATVIA)—AGRICULTURE

[To new achievements. Translated by E. Krumina and V. Kanivecа] Uz jauniem sasniegumiem. Riga, Latvijas Valsts izd-ba, 1963. 123 p. [In Latvian]

LATHES

Effect of geometric errors in a turret lathe on the precision of drilling holes D Khalilov Izv. AN Uz SSR Ser tekh nauk 7 no 6 50-59 '63

LATHES—PARTS

Zamalin, IU. S. [Drilling holes in parts of machinery housings] Rastachivanie korpusnykh detalei. Moskva, Izd-vo "Mashinostroenie," 1964. 109 p.

LATHES—VIBRATION

Some regularities in the origination of natural vibrations caused by machining steel on lathes. V. I. Leont'ev. Trudy DVPI 56 no. 1.37-45 '62.

LATIN AMERICA—COMMUNIST PARTIES

Problems of the national liberation movement in the programs of the communist parties of Latin America, a review. B. I. Koval' Nov. i noveish. ist. no. 2:95-107 '64.

LATIN AMERICA—ECONOMIC CONDITIONS

Continent in flames. S Mikhailov Agitator no 9 24-25 My '64.

LATIN AMERICA—FOREIGN ECONOMIC CONDITIONS—GERMANY, WEST

Bonn's expansion in Latin America. G. Sokolnikov. Nov. vrem. 21 no. 22:22-23 My '64.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES

Machinations of the CIA in Latin America. V. Valentinov. Mezhdunar. zhizn' 11 no. 6:77-84 Je '64

LATIN AMERICA—HISTORIOGRAPHY

Some problems concerning Latin American studies. S. S. Mikhailov. Nov. i noveish. ist. no. 2:29-38 '64.

LATIN AMERICA—POLITICS

Problems of the national liberation movement in the programs of the communist parties of Latin America, a review. B. I. Koval'. Nov. i noveish. ist. no. 2:95-107 '64.

LATIN AMERICA—TRADE UNIONS

Unity is forged in the struggle. E. Makukhin. Sov. profsoiuzy 20 no. 13:39-40 Jl '64.

LATIN-AMERICAN STUDIES

Some problems concerning Latin American studies. S. S. Mikhailov. Nov. i noveish. ist. no. 2:29-38 '64.

LATIN LITERATURE

The influence of Roman literature of the fourth and fifth centuries on the medieval and Renaissance literatures. I. N. Golenishchev-Kutuzov. Vest. drev. ist. no. 1:64-83 '64.

LATITUDE VARIATION

Studying the spectrum of errors of latitude observations. I. I. Glagoleva, E. P. Fedorov. Astron. zhur. 41 no. 3: 579-586 My-Je '64.

LATORITSA VALLEY—GEOLOGY, STRATIGRAPHIC

Paleogene sediments of the Krosnen and Duklyan zones in the Uzh and Latoritsa interfluve. IA. O. Kul'chits'kyi, F. P. Temniuk. Dop. AN URSR no. 5:628-631 '64.

LATVIA—AGRICULTURAL WAGES

Teicans, J. [Power of the material stimulus; experience of the collective farms "Uzvara," "Adazi" and "Kekava" of the Production Administration of Riga in work organization, collective farm workers' payment and personal material interest] Materiala stimula speks; Rigas razosanas parvaldes kolhozu "Uzvara," "Adazi" un "Kekava" pieredze darba organizacija, kolhoznieku darba samaksa un materialaja ieinteresesana. Riga, Latvijas Valsts izd-ba, 1964. 78 p. [In Latvian]

LATVIA—ASTERS—VARIETIES

Zvirgzdina, V. [Asters] Asteres. Riga, Latvijas PSR Zinatnu Akademijas izd-ba, 1963. 64 p. [In Latvian]
(DNAL)

LATVIA—BIRDBANDING

Study of the population dynamics of some ducks in Latvia by a continuous ringing of hatching females and ducklings Kh A Mikhelson and others Ornitologiia no 6:280-292 '63

Technique of banding one-day-old ducklings G T. Lejins Ornitologiia no 6 394-397 '63

LATVIA—COMMUNIST YOUTH LEAGUE

[If you believe in the sunrise] Ja saullektam tici. Riga, Latvijas Valsts izd-ba, 1964. 500 p. [In Latvian]

LATVIA—COOTS

Coots in Latvia P. N Blum Ornitologiia no 6:272-279 '63

LATVIA—DAIRYING—ECONOMIC ASPECTS

Radaeva, Z. M. [Specialization and development of dairy husbandry on the state farms of the Latvian S. S. R. Translated from the Russian] Piena lopkopibas specializacija un attistiba Latvijas PSR padomju saimniecibas. Riga, Latvijas Valsts izd-ba, 1963. 143 p. [In Latvian]

LATVIA—DESCRIPTION

Riga. Jurmala. Sigulda. Riga, Latvijas Valsts izd-ba, 1963. 1 v. (chiefly illus. Insert) [In 5 languages]

LATVIA—DUCKS

Study of the population dynamics of some ducks in Latvia by a continuous ringing of hatching females and ducklings Kh. A. Mikhelson and others Ornitologiia no 6 280-292 '63

LATVIA—EXAMINATIONS

Latvian S. S. R. Izglitibas ministrija. [Instruction on the transfer of students to the next grade and the conduct of graduation exercises in the general schools of the Latvian S. S. R.] Instruktsiia o poriadke perevoda uchashchikhsia v sleduiushchie klassy i provedenii vypusknykh ekzamenov v obshcheobrazovatel'nykh shkolakh Latviiskoi SSR. Riga, Latviiskoe gos. izd-vo, 1963. 49 p.

LATVIA—GRADING AND MARKING (STUDENTS)

Latvian S. S. R. Izglitibas ministrija. [Instruction on the transfer of students to the next grade and the conduct of graduation exercises in the general schools of the Latvian S. S. R.] Instruktsiia o poriadke perevoda uchashchikhsia v sleduiushchie klassy i provedenii vypusknykh ekzamenov v obshcheobrazovatel'nykh shkolakh Latviiskoi SSR. Riga, Latviiskoe gos. izd-vo, 1963. 49 p.

LATVIA—HISTORICAL GEOGRAPHY

Zolds, T. [Instructions in the use of schematic maps of the history of the Latvian S. S. R.] Noradijumi Latvijas PSR vestures kartoshemu lietotajiem. Riga, Latvijas Valsts izd-ba, 1964. 40 p. [In Latvian]

LATVIA—HISTORY

Latvijas Padomju Socialistikas Republikas Zinatnu akademija. Vestures instituts. [Victory of the socialist revolution in Latvia in 1940 (June 20 - August 5); documents and materials] Socialistiskas revolucijas uzvara Latvija 1940 gada (20. VI-5. VIII); dokumenti un materiali. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 543 p. [In Latvian]

LATVIA—PASTURES AND MEADOWS

Proper utilization of pastures. P. Pommers. Zemledelie 26 no. 5:64-67 My '64.

LATVIA—PIONEERS (COMMUNIST YOUTH)

[Story of the red scarf] Sarkana kakluata stasts. Riga, Latvijas Valsts izd-ba, 1963. 274 p. [In Latvian]

LATVIA—PLANTS, PROTECTION OF

Mobile exhibition. K. F. Davydenko. Zashch. rast. ot vred. i bol. 9 no. 5:6-7 '64.

LATVIA—POLITICS AND GOVERNMENT

[By virtue of public participation] Silami obshchestvennosti. Riga, Latviiskoe gos. izd-vo, 1964. 119 p.

LATVIA—POPULATION

Mezgailis, Bruno. [Population Soviet Latvia] Padomju Latvijas iedzivotaji. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 127 p. [In Latvian]

LATVIA—REVOLUTION, 1917-1921

"Latvian riflemen in the fight for Soviet rule from 1917 to 1920; recollections and documents." Reviewed by B. A. Toman. Vop. ist. 39 no. 6:141-143 Je '64.

LATVIA—ROTATION OF CROPS

Rotation of crops in the Baltic countries. E. Fridrichsons. Zemledelie 26 no. 5:72-74 My '64.

LATVIA—STATE FARMS—MANAGEMENT

If this is happiness.... IA. Brianskii. Sov. profsoiuzy 20 no. 12:12-13 Je '64.

LATVIA—TECHNOLOGICAL INNOVATIONS

Paupa, V. [Economic efficiency of new technology] Jaunas tehnikas ekonomiska efektivitate. Riga, Latvijas Valsts izd-ba, 1963. 150 p [In Latvian]

LATVIA—THEATER

[Theaters in Soviet Latvia] Padomju Latvijas teatri. [Riga, Latvijas PSR Zurnalistu savienibas izd-ba, 1963] 1 v. (chiefly illus.) [In Latvian]

LATVIA—TRADE UNIONS

If this is happiness.... IA. Brianskii Sov. profsoiuzy 20 no. 12:12-13 Je '64

LATVIA—TULIPS—VARIETIES

['Kuusiku," a hybrid turnip] Hibridkali 'Kuusiku'. Riga, Latvijas Valsts izdevnieciba, 1964. 32 p. [In Latvian]
(DNAL)

Vilmane, Milda. [Tulips] Tulpes. Riga, Latvijas Valsts izd-ba, 1963. 165 p. [In Latvian]
(DNAL)

LATVIA—WATER BIRDS

Wintering of water birds in some bodies of water of Latvia. J A Viksne Ornitologiia no 6 345-354 '63

LATVIA—WOOD CARVING

Karklina, Galina. [Soviet Latvian woodcarving] Latviesu padomju kokteilnieciba. Riga, Latvijas Valsts izd ba, 1963. 63 p. (chiefly illus.) [In Lavtian]

LATVIAN BOOKPLATES see Bookplates, Latvian

LATVIAN LANGUAGE—DICTIONARIES—GERMAN

Bisenieks, V., and I. Niselovica, eds. [Latvian-German dictionary] Latviesu-vacu vardnica. Ap 33,000 vardu. Riga, Latvijas Valsts izd-ba, 1963. 890 p.

LATVIAN LITERATURE—HISTORY AND CRITICISM

Andersone, Emma. [The red rifleman in Latvian literature, 1917 - 1940] Sarkanais strelnieks latviesu literatura 1917. - 1940. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 490 p. [In Latvian]

LAUNCHES

Shallow plastic launch V P. Smirnov, N. A. Sosunov. Plast. massy no. 1 71-72 '64

LAUNDRIES—EQUIPMENT AND SUPPLIES

New system of marking and sorting linen in laundries. B. P. Nikitin Nov tekh. zhil.-kom. khoz.: Blagoustr. gor. no. 2 77-84 '62.

LAUNDRY

Ironing men's shirts at the No. 6 laundry plant in Moscow N. G. Gutov, A. F. Pishchik. Nov. tekh. zhil.-kom. khoz. Blagoustr. gor. no 2:84-90 '62.

LAUNDRY MACHINERY

(see also subdivision under Germany, West)

Automated rotary laundering equipment G. A. Abramov, V. A. Losev. Nov. tekh. zhil.-kom. khoz Blagoustr gor. no. 2:60-70 '62.

Determining the load capacity of the cylinders of laundry machinery. P. A. Lebedev Nov tekh. zhil.-kom. khoz.: Blagoustr. gor. no. 2:99-100 '62

LAUREL—DISEASES AND

Laurel diseases. L. A. K
vred. i bol. 9 no. 2:26-

LAVA see subdivision und

LAW

Legislative news. Sots. z

Russia (1917- R. S. F. S.
[Decrees of the Soviet re
Moskva, Politizdat.
Vol. 3. [July 11-No
noiabria 1918 g. 1

LAW—BIBLIOGRAPHY se

LAW—PERIODICALS see
North

LAW—PSYCHOLOGY

Relationship between lega
G. S. Ostroumov Vop fi

LAW—STUDY AND TEACH
(see also subdivision und

Propaganda of law in the I
zakon 41 no. 3 51-53 M

LAW AND COMMUNISM

I. S. Samoshchenko's "The
Soviet law." B. A. Kurin
137-139 Je '64.

LAWNS see subdivision un

LAW [illegible] see subdivision under Europe, Western; [illegible], North

LAZO, SERGEI GEORGIEVICH, 1894-1920

[illegible] exploit. I Nemirov. Komm. [illegible] '64

LEACHING

[illegible] of [illegible] from lon- [illegible] concentrates. M.N. [illegible], A.P.Nadol'skii. Trudy [illegible] 123-12[illegible]

[illegible] in acid and ferric [illegible] G. [illegible], R.M.Vygoda. [illegible] IPI [illegible]

LEACHING—EQUIPMENT AND SUPPLIES

[illegible] of complex metal sulfide con- [illegible] products. V.I.Klets, [illegible] A.P.Serikov. Trudy IPI no.18 27-30 [illegible]

[illegible] principles of saline and acid leaching [illegible] materials. Trudy IPI no.18 14-25 '63.

LEAD

(see also subdivision under Altai Mountains)

[illegible] of measuring the cross section of the (γ, n)-reaction for lead. M.M.Dorosh and others. [illegible] fiz. 16 no.5:1540-1544 My '64.

[illegible] of tetraethyllead with phosphorus trichloride [illegible] and oxygen. IU.M.Zinov'ev, L.Z. [illegible]. Zhur.ob.khim. 34 no.3:929-932 [illegible]

[illegible] in copper alloys. G.N.Nysanbaev, V.V. [illegible]. Trudy Inst. met.i obog. AN Kazakh.SSR [illegible]

LEAD—ELECTROMETALLURGY

[illegible] lead during dissolution in the systems [illegible] salts [illegible] - (KCl) and $PbCl_2$ - (KCl - NaCl). V.A.[illegible], V.I.Fuchenko. Ukr.khim.zhur. 30 [illegible] '64.

LEAD—METALLURGY

[illegible] of recovering lead and zinc from oxi- [illegible]. IU.V.Rumiantsev, IU.S.Shafrinskii, T.N. [illegible]. Trudy IPI no.18 112-122 '63.

LEAD ALLOYS—TESTING

Experimental study of the kinetic congruence between [illegible] and deformation during the emergence of superplasticity. A.A.Presniakov, G.V.Starikova. Trudy Inst. met.i obog.AN Kazakh.SSR 7:56-60 '63.

LEAD INDUSTRY—SAFETY MEASURES

Lebedeva, K.V. [Safety measures in the metallurgy of lead and zinc] Tekhnika bezopasnosti v metallurgii svintsa i tsinka. Moskva, Metallurgizdat, 1963. 298 p.

LEAD ISOTOPES

Inelastic scattering of deuterons by certain even lead isotopes. O.F.Nemets, F.Picard, V.V.Tokarevskii. Zhur.eksp.i teor.fiz. 46 no.5:1898-1900 My '64.

LEAD ORES see subdivision under Caucasus, Transbaikalia, Verkhniy Zgid region (Ossetia, North)

LEAD ORGANIC COMPOUNDS

Reactivity of $ArPbX_3$ compounds. Reaction with (C_6H_5) ... V.I.Lodochnikova, E.M.Panov, K.A.Kocheshkov. Zhur.ob.khim. 34 no.3:946-949 Mr '64.

LEAD OXIDES

Electrodeposition of lead dioxide from alkaline *complexon* salt electrolytes. F.A.Dzhafarov. Dokl.AN Azerb. SSR 19 no.10:31-34 '63.

LEAD SELENIDES

Oxidation of lead selenide. IU.V.Rumiantsev, A.P. Nabol'skii, G.M.Zhiteneva. Trudy IPI no.18:139-144 '63.

Oxidation of lead selenide. Report No.1. G.M.Zhiteneva and others. Trudy IPI no.18 130-138 '63.

LEAF BEETLES see subdivision under Far East

LEAF MINERS—EXTERMINATION

Method of controlling the spinach leaf miner. G.E. Osmolovskii. Zashch.rast.ot vred.i bol. 9 no.5:11 '64.

LEAF ROLLERS see subdivision under *Ukraine*

LEAF ROLLERS—EXTERMINATION see subdivision under *Lugansk Province; Ukraine*

LEAST ACTION

Interdependence between tectonic movements and the earth's magmatism on the basis of the least action variation principle. I.G.Klushin. Zap.LGI 46 no.2:33-50 '63.

LEAST SQUARES

Approximation of functions of several variables using the method of least squares. S.S.Lavrov. Zhur.vych. mat.i mat.fiz. 4 no.3:547-550 My-Je '64.

Program for determining the atomic scattering factors of a centrally symmetrical crystalline structure from the zero-point *experimental* structural amplitudes using the method of least squares. F.A.Brusentsev. Kristallografiia 9 no.3:323-329 My-Je '64.

LEATHER, ARTIFICIAL

Organization of the work in the manufacture of leather-like cardboard with the use of "Pashke" presses. S.A. Kim, P.S.Pushkin. Izv.vys.ucheb.zav., tekh.leg. prom. no.2 3-8 '61

Production of leatherlike rubber by the method of radiation vulcanization. G.A.Blokh and others. Izv.vys.ucheb.zav., tekh.leg.prom. no.2 79-83 '61.

Swelling in water of the films of carboxyl-containing rubber filled with water-soluble salt. I.A.Shtorn, I.V.Plotnikov, S.A.Pavlov. Izv.vys.ucheb.zav., tekh.leg.prom. no.2 58-63 '64.

LEATHER INDUSTRY

New book on enzymology. V.I.Solov'ev. Izv.vys.ucheb. zav., tekh.leg.prom. no.2 154-155 '64.

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Ivanov, IU.V. [Modern saming and scouring machines for leather production, foreign technology] Sovremennye otzhimnye i razvodnye mashiny kozhevennogo proizvodstva, zarubezhnaia tekhnika. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu TsBTI, 1963. 49 p. (Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii)

LEAVES

Characteristics of the leaf apparatus in corn in the Kabardino-Balkar A.S.S.R. I.P.Shcherbina, I.A. Shul'gin. Uch.zap.Kab.-Balk.gos.un. no.10:41-46 '61.

Effect of various climatic conditions under the conditions of vertical zonality on the growth of plants and changes in the pigment system of potato leaves. V.A.Visloukh, I.A.Shul'gin. Uch.zap.Kab.-Balk.gos.un. no.10: 47-54 '61

LEAVES—MORPHOLOGY

Changes in the shape and size of sunflower leaves in connection with the stages of its organogenesis. F.M. Kuperman, V.Z.Podol'nyi, I.A.Shul'gin. Uch.zap. Kab.-Balk.gos.un. no.10,31-40 '61.

LEAVES—OPTICAL PROPERTIES

Characteristics of the surface mass of corn leaves in the Kabardino-Balkar A.S.S.R. I.P.Shcherbina, I.A. *Shul'gin.* Uch.zap.Kab.-Balk.gos.un. no.10:55-60 '61.

LEBANON—ARABIC LANGUAGE—DIALECTS

Consonantal changes in the Tripoli (Lebanon) dialect *of Arabic.* V.G.Akhvlediani. Krat.soob.Inst.nar. Az. no.72,9-12 '63.

LECTURES AND LECTURING

Methodological advice. Mezhdunar.zhizn' 11 no.6:153-155 *Je '64*

LEEDS, ENGLAND—PIANO—COMPETITIONS

The first Leeds. E.O. Sov.muz. 27 no.12: D '63.

LEG—BLOOD SUPPLY

Changes in the microstructure of walls of collateral arteries after deafferentation of the pelvic *extremity* in dogs [with summary in English]. R.A.Bardina. Arkh.anat.gist.i embr. 43 no.10 61-70 O '62.

Methodology of measuring arterial pressure in the legs. V.V.Razumov. Kardiologiia 3 no.6 83 N-D '63

State of the intraorgan blood supply of the posterior extremity in rabbits under conditions of disturbed blood *supply [with* summary in English]. IU.I.Denisov-Nikol'skii. Arkh.anat.gist.i embr. 43 no.10:71-78 O '62.

LEG—ULCERS

Indications for skin autoplasty and characteristics of the course of trophic ulcers containing Bacillus pyocyaneus *and Proteus* vulgaris. V.K.Apakidze. Khirurgiia 38 no.12,65-68 D '62.

Outpatient treatment of *varicose ulcer with* zinc gelatin dressings. A.P.Tikhonova. Vest.derm.i ven. 37 no.6:65-67 Je '63.

LEGENDS, SLAVIC

The picture of a national hero in Slavic legends and the folk tale tradition. P.G.Bogatyrev. Rus.fol'k. 8:51-55 '63.

LEGUMES

(see also subdivision under Kabardino-Balkar A.S.S.R.)

Effect of *legumes on the* protein content of grain crops in mixed growing. A.P.Ponomarev, Z.P.Golubeva, M.N.Shumilova. *Vest.sel'khoz.nauki* 9 no.2:49-50 F '64.

Using the oil cake from the *seeds of some* representatives of the family Leguminosae as emulsifiers in the preparation of oil emulsions. N.H.Holkhman and others. *Farmatsev.zhur.* 14 no.4:45-47 '59.

LEGUMES—BIBLIOGRAPHY see Bibliography—Legumes

LEGUMES—CLEANING

Cleaning pulse crops with the OVV-20 machine. V.Ryndenko. Tekh.v sel'khoz. 24 no.3:62-64 Mr '64.

LEGUMES—DISEASES AND PESTS

(see also subdivision under East Kazakhstan [illegible])

Entomophthora infection of plant lice [illegible] L.G.Voronina. Zashch.rast.ot vred.i [illegible] 17 O '63.

LEGUMES—FERTILIZERS AND MANURES

Placement of lime and molybdenum for [illegible] soils. A.V.Peterburgskii. Sputnik [illegible] no.84:226-232 '63

LEIBNIZ, GOTTFRIED WILHELM, 1646-1716

Leibniz's unpublished letter to Abbé [illegible] Malkova. Vop.filos. 18 no.6:120 [illegible]

LEIPZIG—EXHIBITIONS

The Leipzig Fair is a vivid example of trade discrimination. Margit Knothe. Vnesh.[illegible] no.5:35-36 My '64.

LEMMINGS see subdivision under Kola[illegible]

LEMON

Lemons on a window sill. B.Aleksandr[illegible] shkola 10 no.4 32 [illegible] '64

LEMON—FERTILIZERS AND MANURES

Viability of microorganisms of bacterial [illegible] the rhizosphere of lemon seedlings. [illegible] Pratsi Od.un.Zbir.stud.rob. 140 no.4[illegible]

LENA VALLEY—DIATOMS

Distribution of diatoms in the alluvial sedim[illegible] Yenisey and Lena Valleys. Z.V.Aleshinskaia[illegible] *Piromova. Merzl.issl. no.3:172-183* [illegible]

LENA VALLEY—GEOMORPHOLOGY

Geomorphology of the lower Lena Valley. [illegible]shev. Vest. Mosk.un. Ser.5: Geog. 19 [illegible] *My-Je '64.*

LENIN, VLADIMIR IL'ICH, 1870-1924

Alekseev, P.V. [V.I.Lenin on the union of [illegible] and natural science] V.I.Lenin o soiuze fil[illegible] estestvoznaniia. Moskva, Izd-vo "Znanie," [illegible] (Novoe v zhizni, nauke, tekhnike. II Seriia [illegible] no.6)

Danilevskii, A.F. [V.I.Lenin and the problems [illegible] military organization at the Eighth Congress [illegible] Russian Communist Party (Bolshevik)] V.I.Le[illegible] voprosy voennogo stroitel'stva na VIII s"ezde [illegible] Moskva, Voenizdat, 1964. 93 p.

Development of the Marxist theory of freedom [illegible] necessity in V.I.Lenin's works published in [illegible] E.I.Shekhterman. Uch.zap.Kazakh.un. [illegible]

Dissemination of Lenin's works in the Volga [illegible] region in 1917. P.L.Vozhatkin. Ukr.ist.[illegible] no.2:80-84 Mr-Ap '64.

Documents on Lenin's foreign policy from 1917 [illegible] G.A.Deborin. Vop.ist. 39 no.6:[illegible]

Liudvinskaia, T.F. [Great, close and simple] [illegible] blizkii, prostoi. Moskva, Izd-vo "Znanie," 1964. 76 p. (Novoe v zhizni, nauke, tekhnike. [illegible] toriia, nos.7-8)

[Medical workers' reminiscences of V.I.Lenin] Vospominaniia medikov o V.I.Lenine. [Moskva] Meditsina, 1964. 234 p.

Moscow. Akademiia obshchestvennykh nauk. [From the history of V.I.Lenin's struggle for the consolidation of the Communist Party] Iz istorii bor'by V.I.Le[illegible] ukrepleniie partii. Moskva, Izd-vo "Mysl'," 1964. 317 p.

Nationwide support of Lenin's decree on peace [illegible] Beskorovnaia. Ukr.ist.zhur. 8 no.2:[illegible] '64.

Riabushkin, T.V. [Methods of statistical analysis in V.I. Lenin's works] Metody analiza statisticheskikh [illegible] v rabotakh V.I.Lenina. Moskva, Statistika, 1964. 87 p.

Sibilov, M.U. [V.I.Lenin's legacy to Soviet [illegible] Zavety V.I.Lenina sovetskim voinam. Moskva, [illegible]izdat, 1964. 175 p. (Molodomu soldatu i matrosu [illegible] voinskoi sluzhbe)

Ul'ianov, D.I. [Recollections about Vladimir Il'ich] Vospominaniia o Vladimire Il'iche. Moskva, [illegible] 1964. 80 p.

The use of phonograph records of V.I.Lenin's [illegible] *in lessons of* history. V.I.Pylypenko. Ukr.ist.zhur. 8 no.2:102-103 Mr-Ap '64.

V.I.Lenin and T.G.Shevchenko. F.P.Shevchenko. [illegible] ist.zhur. 8 no.2:3-18 Mr-Ap '64.

V.I.Lenin on the dialectic of the general and [illegible] aspects of the socialist revolution. M.I.Gil'[illegible] *zap.Kazakh.un.* 40:3-15 '59.

V.I.Lenin on the organizational problems of state administration. M.A.Shafir. Sov.gos.i pravo 34 no.6:12-21 Je '64.

V.I.Lenin's correspondence with the American [illegible] C.P.Steinmetz; new documents. Nov.i noveish.[illegible] no.1:106-111 '64.

V.I.Lenin's struggle against dogmatism and sectarianism in the international workers' and communist movement from 1919 to 1922. N.G.Sevriugina. Nov.i noveish.ist. no.2:12-20 '64.

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

Krzhizhanovskii, G. M. [Shu-shu, from recollections of V. I. Lenin] Shu-shu, iz vospominanii o V. I. Lenine. Moskva, Izd-vo "Detskaia literatura," 1964. 37 p. (Shkol'naia biblioteka)

LENIN PRIZES

Highest award N. Zubov. Bibliotekar' no 6:38-41 Je '64.

Lenin Prizes awarded in 1964. V. Vlasov. Usp fiz. nauk 83 no. 2:375 Je '64.

Scientists, winners of the Lenin Prize in 1964. M V. Keldysh. Vest. AN SSSR 34 no. 5 3-10 My '64.

LENINAKAN—TEXTILE INDUSTRY—MANAGEMENT

Leninakan Textile Works can work with profit A Badalian Prom Arm 7 no 2 22-23 F '64

LENINGRAD—ART GALLERIES AND MUSEUMS

Hermitage. Sem'ia i shkola 19 no 3 33 Mr '64

Leningrad. Ermitazh. [State Hermitage, a concise museum guide] Gosudarstvennyi Ermitazh, kratkii putevoditel' po muzeiu. Leningrad, 1964. 479 p.

Leningrad. Gosudarstvennyi Russkii muzei. [The State Russian Museum] Gosudarstvennyi Russkii muzei. Moskva, Izogiz, 1963. [4] p. plates (Nashi muzei)

LENINGRAD—BOARDING SCHOOLS

Leningrad boarding schools. V D. Kirkhoglani Stroi. i arkhit Len 26 no. 3 14-16 Mr '64.

LENINGRAD—BOTANICAL GARDENS

Date of the founding of "Aptekarskiy vegetable garden" on Aptekarskiy Island in St. Petersburg. B. N. Zamiatnin. Bot. zhur. 49 no. 2:291-293 F '64.

LENINGRAD—BUILDING

In the Executive Committee of the Leningrad Soviet Stroi. i arkhit. Len. 26 no 3 3 of cover Mr '64

The Obukhovskii combine, an enterprise for experimentation and demonstration A. S Zaporozhtsev, K. V. Trukhel'. Stroi i arkhit Len 26 no 3 1-6 Mr '64

Readers speak of our magazine, remarks and advice of participants in a correspondence conference Stroi i arkhit Len 26 no. 3 36 Mr '64.

LENINGRAD—COMMUNICATIONS MUSEUMS

Hundred and fiftieth anniversary of the Railroad Museum. Zhel. dor transp. 46 no. 4:87 Ap '64.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Development of voluntary participation in the work of the party organizations in Leningrad. I V Nosov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 5 140-163 '64.

LENINGRAD—CRIMINAL INVESTIGATION

Field investigation is the most successful method in finding out the causes and conditions inducing criminal offenses by juveniles N Gukovskaia Sots. zakon 41 no 3 18-19 Mr '64

LENINGRAD—DELIVERY OF GOODS

Transit and the stocks of goods. E. TSelykovskaia, L. Fedorova. Sov. torg. 37 no. 1:15-16 Ja '64.

LENINGRAD—EDUCATION, COOPERATIVE

From the practice of the Leningrad Party Organization in consolidating the tie between school and life. V. A. Sergeev. Uch. zap. kaf. obshchestv nauk vuz. g. Len., Ist. KPSS no. 5:80-103 '64.

LENINGRAD—EDUCATIONAL RESEARCH

Great prospects. N. Dumchenko. Prof.-tekh. obr. 21 no. 5:23 My '64.

LENINGRAD—EFFICIENCY, INDUSTRIAL

A review of V. M. Ivanov's and F. G. Krotov's book: "Technically-minded workers in the service of communism." V. F. Finogenov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 5:218-221 '64.

LENINGRAD—ELECTRIC POWER

Work practices of industrial enterprises in Leningrad on effective use of electric power. B. A. Konstantinov. Trudy LIEI no. 41:260-273 '62.

LENINGRAD—ELECTRIC POWER DISTRIBUTION

Choice of an optimum power rating for a substation with 35 kv. deep lead-in. V. A. Kozlov. Trudy LIEI no. 41. 224-231 '62.

LENINGRAD—ENGINEERING LABORATORIES

Work of the laboratory for industrial and economic investigations of the Leningrad Economic Council. L. M. Lukashevich. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:71-73 Ap '64.

LENINGRAD—EVENING AND CONTINUATION SCHOOLS

School of communist labor. E Dolinskii. Agitator no 9: 50-52 My '64

LENINGRAD—INDUSTRIAL MANAGEMENT

The Leningrad industry in an effort for technological progress. V. Kokushkin. Vop. ekon. no. 5:35-43 My '64.

LENINGRAD—INDUSTRIAL RELATIONS

TSvetkov, V. I. [How we conduct educational work] Kak u nas vedetsia vospitatel'naia rabota; zapiski predsedatelia zavkoma. [Moskva] Profizdat, 1964. 92 p. (Bibliotechka profsoiuznogo aktivista, no. 11(83))

LENINGRAD—JUVENILE DELINQUENCY

Field investigation is the most successful method in finding out the causes and conditions inducing criminal offenses by juveniles N Gukovskaia Sots zakon 41 no 3 18-19 Mr '64

LENINGRAD—MACHINE ACCOUNTING—STUDY AND TEACHING

Training personnel for machine accounting A Petrova. Den. i kred. 22 no. 5:56-57 My '64.

LENINGRAD—MACHINERY INDUSTRY

Communist labor movement at the Leningrad Metalworking Plant of the 22d Congress of the CPSU E L. Mil'shtein, T D Nazarova Uch. zap kaf obshchestv. nauk vuz g Len., Ist. KPSS no 5 201-209 '64

LENINGRAD—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Political education P Tkachenko Part. zhizn' no. 10: 52-57 My '64

LENINGRAD—MATHEMATICAL SOCIETIES

Meetings of the Leningrad Mathematical Society Usp. mat. nauk 19 no. 1:209-218 Ja-F '64.

LENINGRAD—MILITARY EDUCATION

Starts, plans. Z. Khaitlin Voen. znan. 40 no. 4 31 Ap '64.

LENINGRAD—MILLING MACHINERY

Testing of a grinding installation at the Vorovskii Cement Plant in Leningrad. V. I. Gugin, M. B. Kreimer. Sbor. po obm. opyt. v tsem. prom. no. 1 21-31 '60.

LENINGRAD—ORTHOPEDIC APPARATUS INDUSTRY

Women's workshop. N. Kulikova. Sots. obesp 25 no. 3: 18-19 Mr '64.

LENINGRAD—PAPER INDUSTRY—PRODUCTION STANDARDS

Our aid for the departments of labor in enterprises. A. Starovoitov. Sots. trud 9 no. 5:55-58 My '64.

LENINGRAD—SCHOOL EXCURSIONS

Excursion to a textile factory for practical training in economic geography. N. S. Surovtsev. Mat. Otd. ucheb. geog. Geog. ob-va SSSR no. 2:35-57 '63.

LENINGRAD—SEWAGE AS FERTILIZER

Pollution of the Neva Bay as related to the use of sewage. T. G. Kokoliia, L. I. TSvetkova. Trudy Gidrobiol. ob-va 14 161-168 '63.

LENINGRAD—SHOE MANUFACTURE—LABOR PRODUCTIVITY

Searches and findings of agitators in the "Skorokhod" plant. A. Lebedeva. Agitator no. 11:36-37 Je '64.

LENINGRAD—SIEGE, 1941-1944

In memory of heroes. D. Khrenkov. Oktiabr' 40 no. 1: 184-185 Ja '64.

Over the ice route A. Sul'ianov. Sov. voin 16 no 7:6 Ap '64

Victory of Leningrad. V. Zybakov. Tekh. i vooruzh. no. 1:10-11 Ja '64.

LENINGRAD—SPORTS

Starts, plans. Z. Khaitlin. Voen. znan. 40 no. 4:31 Ap '64.

LENINGRAD—STREETS

Vasia Alekseev Street. F. Samoilov. Oktiabr' 40 no. 2: 156-165 F '64.

LENINGRAD—TECHNICAL EDUCATION

[Technical schools of Leningrad; handbook for students registering in 1964] Tekhnikumy i uchilishcha Leningrada; spravochnik dlia postupaiushchikh v 1964 g. [Leningrad] Lenizdat, 1964. 177 p.

LENINGRAD—TECHNOLOGICAL INNOVATION

The Leningrad industry in an effort for technological progress. V. Kokushkin. Vop. ekon. no. 5:35-43 My '64.

LENINGRAD—TEXTILE INDUSTRY

Excursion to a textile factory for practical training in economic geography. N. S. Surovtsev. Mat. Otd. ucheb. geog. Geog. ob-va SSSR no. 2:35-57 '63.

Transit and the stocks of goods. E. TSelykovskaia, L. Fedorova. Sov. torg. 37 no. 1:15-16 Ja '64.

LENINGRAD—TEXTILE WORKERS

Ibragim Ataev's second occupation. K. Tadzhibaev Sov. profsoiuzy 20 no. 13:37 Jl '64

LENINGRAD—THEOLOGICAL SEMINARIES

[Behind the walls of a theological seminary] Za stenami dukhovnoi seminarii. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 58 p.

LENINGRAD—TRADE UNIONS

TSvetkov, V. I. [How we conduct educational work] Kak u nas vedetsia vospitatel'naia rabota; zapiski predsedatelia zavkoma. [Moskva] Profizdat, 1964. 92 p. (Bibliotechka profsoiuznogo aktivista, no. 11(83))

LENINGRAD—VOCATIONAL EDUCATION

New gerneration of workers is growing up. A. T Poteshkin, A. N. Kriukov. Shkola i proizv 6 no 7:81 Jl '64

LENINGRAD—WAR MEMORIALS

In memory of heroes D. Khrenkov. Oktiabr' 40 no. 1. 184-185 Ja '64

LENINGRAD—WATER SUPPLY

Biological nuisances in the Leningrad water-supply lines. E. E. Raskina. Trudy Gidrobiol ob-va 14:137-150 '63

LENINGRAD—WOODPULP INDUSTRY—PRODUCTION STANDARDS

Our aid for the departments of labor in enterprises. A. Starovoitov. Sots. trud 9 no. 5:55-58 My '64.

LENINGRAD ECONOMIC REGION—CHEMICAL INDUSTRIES

Results of the simultaneous accounting of the productive capacity of the chemical plants of the Leningrad Council of National Economy. S. K. Davidovich. Trudy LIEI no. 46 58-67 '63.

LENINGRAD PROVINCE—ADMINISTRATIVE ECONOMIC COUNCILS

In the technical and economic council of the Leningrad Economic Council. IA. K. Terent'ev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:76-77 '64.

LENINGRAD PROVINCE—CABBAGE MAGGOT—EXTERMINATION

Simultaneous use of DDT and Dione synthesis preparations. N. I. Rassvetaeva. Zashch. rast ot vred. i bol. 8 no. 10:23-24 O '63.

LENINGRAD PROVINCE—CLUBROOT

Controlling clubroot. S. M. Tupenevich. Zashch. rast. ot vred. i bol. 8 no. 10:38-39 O '63.

LENINGRAD PROVINCE—CONFECTIONERY

Confectionery trade A Vasil'ev, V. Rakovskii. Sov. torg 36 no 6:14-16 Je '63.

LENINGRAD PROVINCE—FLIES

Sprout flies (Chortophila). A G. Ageeva. Zashch. rast. ot vred. i bol. 9 no. 5:48-49 '64.

LENINGRAD PROVINCE—GAME AND GAME BIRDS

Census of pinewood wild fowl in the Sosnovskoye Forest Hunting Ground (Leningrad Province). V V Chervonyi Ornitologiia no 6 81-85 '63.

LENINGRAD PROVINCE—INSURANCE, SOCIAL

From the Board of the Ministry. Sots. obesp. 25 no. 3: 52-53 Mr '64.

LENINGRAD PROVINCE—MACHINERY INDUSTRY

Activity of the association for the manufacture of machinery for the light industry of the Leningrad Economic Council. E. I. Krasovitskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2: 75-76 '64.

LENINGRAD PROVINCE—PLOWING

Plowing Podzolic soils by plows with notched subsoiler bodies. V. A. Chernyshov. Vest. sel'khoz. nauki 9 no 5 77-80 My '64.

LENINGRAD PROVINCE—PODZOL

Plowing Podzolic soils by plows with notched subsoiler bodies. V. A. Chernyshov. Vest. sel'khoz nauki 9 no. 5:77-80 My '64.

LENINGRAD PROVINCE—SOIL FAUNA

Effect of soil conditions on the effectiveness of preparations. S. A. Persin. Zashch. rast. ot vred. i bol. 8 no. 10:15-17 O '63.

LENINGRAD PROVINCE—TECHNICAL SOCIETIES

Solving the most urgent problems. N. Bolgarov. NTO 5 no 9:19-20 S '63

LENINGRAD PROVINCE—TECHNOLOGICAL INNOVATIONS

Mechanization and automation of production processes in industry of the Leningrad Economic Council. V. A. Ivanov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:63-66 My '64.

LENINGRAD REGION—HISTORY—STUDY AND TEACHING

[illegible] practice in conducting regional study excursions. [illegible] Mat. Otd. ucheb. geog. Geog. ob-va [illegible] 14-22 '63.

LENINGRAD REGION—SCHOOL EXCURSIONS

[illegible] in conducting regional study excursions. [illegible] Mat. Otd. ucheb. geog. Geog. ob-va [illegible] 14-44 '63

LEONARDO DA VINCI, 1452-1519

[illegible], M. A. [Columbine] Kolombina. Leningrad, Izd-vo Gos. Ermitazha, 1963. 83 p. illus.
(NjP)

LEONOV, LEONID MAKSIMOVICH, 1899-

Kovalev, V. A. [Leonid Leonov; a seminar. Textbook for students] Leonid Leonov, seminarii. Posobie dlia studentov. Moskva, Prosveshchenie, 1964. 250 p.

LEOPARD MOTH—BIOLOGICAL CONTROL

[illegible] Arfinuko. Zashch. rast. ot vred. i [illegible] 10 35-31 O '63

LEPIDODENDRON

Anatomic study of plant remnants from the coal balls of Donets Basin, family Lepidodendraceae. N S Snigirevskaia. Trudy Bot inst Paleobot. Ser. 8 no 5 5-37 '64.

LEPIDOPTERA

Effect of diurnal rhythms of light and temperature on the formation of diapause in lepidopterons (Lepidoptera). A I Goryshin. Ent oboz 43 no. 1 86-93 '64

LEPROSY

Classification of the acute phases of leprosy [with summary in English] E P Biuking. Vest. derm i ven 37 no 3 49-53 S '63

Krisov, A. S. [Surgery in leprosy] Khirurgiia lepry. Alma-Ata, Kazgosizdat, 1963. 277 p.
(DNLM)

Significance of tuberculosis antigens for the serodiagnosis of leprosy. N. M. Ovchinnikov, N. A. Torsuev, L. S. Reznikova. Lab. delo no. 2:110-113 '64.

LEPTOSPIROSIS see subdivision under Ossetia, North

LEPTOSPIROSIS—PREVENTIVE INOCULATION

In search of methods of stimulation of antileptospirosis immunity in irradiated animals. V. P. Morozova. Zhur. mikrobiol., epid. i immun. 40 no. 10:75-80 O '63.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

A. M. Vereshchagina archive. I. A. Gladysh, T. G. Dinesman. Zap Otd. ruk. no. 26 34-82 '63.

Rubanovich, A. L. [Problems of the poet M. IU. Lermontov's mastery] Problemy masterstva M. IU. *Lermontova-poeta.* Irkutsk, Irkutskii gos. univ. 1963, 170 p.

LESSER BLACK-HEADED GULL see subdivision under *Sivash Lake region*

LEUCOCYTES

Characteristics and differences of glycogen loss by leucocytes after X-ray irradiation of the blood in vitro and in the body. IU. B. Kheifets, A. L. Shabadash. Vop. radiobiol. [AN Arm. SSR] 3/4:235-240 '63.

Effect of decortication and X rays on the phagocytic activity of leucocytes in rabbits. M. I. Alaverdian and others. Vop. radiobiol. [AN Arm. SSR] 3/4:47-52 '63.

Study of the sex chromatin of neutrophil leucocytes by the "skin windows" method [with summary in English]. L. E. Militchuk-Volynskaia. Arkh. anat., gist. i embr. 44 no. 5 75-83 My '63.

LEUKEMIA

Determination of the circulating blood volume and its components by the radioisotope method for evaluating the severity of anemia in patients with chronic leukemia [with summary in English]. V. D. Sidora. Med. rad. 8 no 10.25-31 O '63.

Morphological characteristics of leucoses induced in mice by RNA preparations. V. M. Bresler. Sbor. rab. Inst. tsit. no. 7:25-46 '63.

Possibility of the use of X-ray therapy in acute leukemia. G. V. Skurkovich. Vest. rent. i rad. 38 no. 6:65 N-D '63.

Use of radioactive chromium for the study of the viability of polycythemic blood transfused to patients with chronic leukemia [with summary in English]. V. V. Shishkina, V. D. Sidora. Med. rad. 8 no. 10:18-20 O '63.

LEVIK, SERGEI IUR'EVICH, 1883

S IU Levik. A. Dolzhanskii, A. Sokhor. Sov. muz. 27 no 12 137-138 D '63.

LEVITAN, ISAAK IL'ICH, 1860-1900

Moscow. Gosudarstvennaia Tret'iakovskaia galereia. [Isaak Il'ich Levitan, catalog of the exhibition on the occasion of the 100th anniversary of his birth, 1860-1960] Isaak Il'ich Levitan; katalog vystavki k stoletiiu so dnia rozhdeniia, 1860-1960. Moskva, Izd-vo Akad. khudozh. SSSR, 1960. 112 p. illus.
(OrU)

LEVOMYCETIN

Effect of levomycetin on the intensity of protein and nucleic acid synthesis in Escherichia coli B. A. G. Skavronskaia, N. B. Borisova, L. R. Gol'dina. Zhur. mikrobiol., epid. i immun. 40 no. 5:139-143 My '63

LIABILITY (LAW)

Disputes in connection with workers' liability for loss caused to an enterprise or institution. A Kartashov. Sots. trud 9 no. 5:100-107 My '64.

There is a need for a standard regulation on brigade material responsibility. N. Fesenko. Sov torg. 36 no 6 28-29 Je '63

LIADOV, ANATOLII KONSTANTINOVICH, 1855-1914

Moscow. Gosudarstvennyi tsentral'nyi muzei muzykal'noi kul'tury. [Autographs of A. K. Liadov and materials connected with his work in the collections of the Glinka State Central Museum of Musical Culture; a reference catalog] Avtografy A. K. Liadova i materialy sviazannye s ego deiatel'nost'iu v fondakh Gosudarstvennogo tsentral'nogo muzeia muzykal'noi kul'tury imeni M. I. Glinki; katalog-spravochnik. Moskva, Gos. muzyk. izd-vo, 1963. 15 p.

LIBRARIANS

Activist becomes a professional. L. Shatunova. Bibliotekar' no. 6:54 Je '64.

LIBRARIES

Raise the ideological standard of library work. V. Striganov. Bibliotekar' no. 6:1-4 Je '64.

Topical remarks. Sov. bibl. no. 1:92-98 '64.

LIBRARIES, CHILDREN'S

Promoting classified catalogs in childrens libraries. L. V. Khortiunova. Sov. bibl. no. 1:40-53 '64.

Room for young readers. A. Tarnovskaia. Bibliotekar' no. 6:23-24 Je '64.

LIBRARIES, SPECIAL

(see also *subdivision under Kaluga)*

Our information days. A. Mar'ina. Bibliotekar' no. 6:17-18 Je '64.

With fishermen in the Caspian Sea. A. Nikolaev, Z. Popova. Bibliotekar' no. 6:19 Je '64.

LIBRARIES AND READERS

City library for efficiency promoters. N. Bazilevskaia. Bibliotekar' no. 6:15-16 Je '64.

When one works creatively. Z. Kuz'mina. Bibliotekar' no. 6:5-7 Je '64.

LIBRARY CATALOGS

Copy of the "Chamber catalogue" belonging to M. V. *Lomonosov*. G. N. Moiseeva. Trudy Bibl. AN SSSR 7:108-116 '63.

History of the catalogues of the Library of the Academy of Sciences (1714-1850). G. F. Podozerskaia. Trudy Bibl. AN SSSR 7:117-137 '63.

LIBRARY CONFERENCES

Conference of workers in university libraries. M. R. Filimonov. Sov. bibl. no. 1:85-87 '64.

Reflections on a conference. A. Artamonov. Bibliotekar' no. 6:49-52 Je '64.

LIBRARY COOPERATION

Experience in coordination. I. Baldina, V. Zolotykh. Bibliotekar' no. 6:32-34 Je '64.

Working together. R. Zotova. Bibliotekar' no. 6:34-37 Je '64.

LIBRARY SCHOOLS AND TRAINING

Extending the limits of the program. T. Alekseeva. Bibliotekar' no. 6:48 Je '64.

For communist conviction. N. Polkovnikova. Bibliotekar' no. 6:44-47 Je '64.

LIBRARY SCIENCE see subdivision under Estonia

LIBRARY STATISTICS

Frumin, I. M. [Annual report of a library for the masses; lectures for students of a correspondence course on library science] Godovoi otchet massovoi biblioteki; lektsii dlia studentov zaochnogo otdeleniia po kursu "Bibliotekovedenie." Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit-ry, 1956. 33 p.
(NNC)

LICHENS see subdivision under Armenia

LIE ALGEBRAS

Invariant affine connectivities of uniform spaces. A. I. Sirota. Uch. zap. MGPI no. 208:329-332 '63.

Systems of linear-exponential equations. G. B. Gurevich. Uch. zap. MGPI no. 208:323-328 '63.

LIEPAJA, BATTLE OF, 1941

Belevitnev, R., and A. Los'. [Defenders of Liepaja; a documentary sketch] Zashchitniki Liepai; dokumental'nyi ocherk. Riga, Latviiskoe gos. izd-vo, 1963, 159 p.

LIFE—ORIGIN

Akimushkin, I. I. [Discovery of the "sixth sense"] Otkrytie "shestogo chuvstva." Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 1)

Origin of pre-biological systems; a conference in the United States. A. I. Oparin. Vest. AN [illegible] 114-115 My '64.

Trofimov, B. A. [Bones of a dragon] Kosti drakona. Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 5)

LIFE (BIOLOGY)

Tarvydas, L. [Mysteries of life] Gyvybes paslaptys. Vilnius, Valstybine polit. ir mokslines lit. leidykla, 1964 44 p. [In Lithuanian]

LIFE SUPPORT SYSTEMS (SPACE ENVIRONMENT)

Characteristics of some artificial substrates for [illegible] a closed ecologic system. E. V. Lebedeva. [illegible] kosm. biol. 3:[illegible]-303 '64.

Development of a physicochemical chain of [illegible] for a prolonged space flight. B. I. [illegible] and others. Probl. kosm. biol. 3:[illegible] '64.

Possibility of physicochemical synthesis of [illegible] in a spaceship cabin. IU. E. Siniak. Probl. [illegible] 3:401-409 '64.

Problem of regeneration in prolonged space flights. [illegible] Gol'dshvend and others. Probl. kosm. biol. [illegible] '64.

Water regeneration in a spaceship cabin. IU. [illegible] S. V. Chizhov. Probl. kosm. biol. 3:[illegible]-412 [illegible]

LIFESAVING STATIONS see subdivision under [illegible]

LIFTING AND CARRYING

Lifting a device weighing 74 tons in a working [illegible] Shatnov. Mont. i spets. rab. v stroi. [illegible] '64.

New conveying and hoisting devices. Plant [illegible] no. 1:74 '64.

LIFSICAITE, NECHAMA

Vocation. M. Dolinskii, S. Chertok. Sov. [illegible] no. 12:[illegible] D '63.

LIGHT—PHYSIOLOGICAL EFFECT

Comparative physiology of the tonus of higher segments of the brain. V. IA. Katinas. Zhur. vys. nerv. deiat. 14 no. 2:318-325 Mr-Ap '64.

Individual variation factors in cerebral bioelectric reactions of rhythmical light stimuli. V. D. Nebylitsyn. Zhur. vys. nerv. deiat. 14 no. 2:196-203 Mr-Ap '64

Output of Na and K ions from the external segments of retinal photoreceptors under the influence of [illegible] and vitamin A. R. N. Etingov, S. A. Shukoliukov, V. [illegible] Leont'ev. Dokl. AN SSSR 156 no. 4:979-981 Je '64

LIGHT—*SCATTERING*

Certain aspects of the theory of molecular light scattering in liquids. M. I. Shakhparonov. Zhur. fiz. khim. 37 no. 9:2030-2035 S '63.

Composition inhomogeneity and fractionation of styrene copolymer with methyl methacrylate. V. F. [illegible] and others. Vysokom. soed. 6 no. 5:[illegible]-900 My '64

Kinetics of radical polymerization by the light scattering method. *Part 2: Unsteady reaction.* I. M. Bel'govskii, *M. A. Markevich, N. S. Enikolopian.* Vysokom. soed. 6 no. 5:871-876 My '64.

Primary scattering of light at twilight. V. M. Marakov. Izv. AN SSSR. Ser. geofiz. no. 5:787-793 My '64

LIGHTNING PROTECTION

Lightning protection of rotary electrical machines. V. [illegible] Burgsdorf, N. V. Muravleva. Elektrichestvo no. 5:[illegible] My '64.

LIGHTWEIGHT CONCRETE

(see also subdivision under Bulgaria)

Gerbert, A. A., and G. I. Evrenko. [Apartment houses made of new materials; make extensive use of perlite and keramzit in building] Doma iz novykh materialov. perlity i keramzity - shirokuiu dorogu na stroiki. Chita, Chitinskoe knizhnoe izd-vo, 1963. 70 p.

Heat-resistant foamed slag concrete. S. A. Epshtein. Stroi. mat. 10 no. 3:33-34 Mr '64.

Rudnai, Gyula. [Lightweight concrete. Abridged translation from the Hungarian] Legkii beton. Pod red. G. A. Buzhevicha. Moskva, Stroiizdat, 1964. 239 p.

Wall panels of keramzit foam concrete. E. M. [illegible] and others. *Stroi. mat.* 10 no. 2:25-26 F '64.

LIGHTWEIGHT CONCRETE—TESTING

Effect of various agloporites on the properties of agloporite-foamed concrete with fly ash. M. F. Chebykov, A. M. Egorova. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 7:96-103 '63.

LIGNIN

Decomposition of model compounds of lignin by metallic sodium solution in liquid ammonia. A. F. Semechkina, *N. N. Shorygina.* Izv. AN SSSR. Ser. khim. no. 5:951-[illegible] My '64.

LIGNITE

Large thermal electric power plant operating on lignite. V.IA.Girshfel'd. Teploenergetika 11 no. 1:80-83 Ap '64.

LIMESTONE

(see also subdivision under Kakhetia)

Reducing the output of oversize in limestone quarries of the Teploye Ozero cement plant. B. M. Khar'kov, A.S.Savushkin. Gor. zhur. no. 11:63-64 N '63.

Use of liquefied carbon dioxide to increase the petroleum yield of limestone. N.S.Gudok Nefteprom delo no 5 8-10 '63.

LIMING OF SOILS

(see also subdivision under Estonia, Lithuania; Udmurt A.S S.R.)

Aftereffect of liming continues more than 30 years S.N. Demidovtsev Vest sel'khoz nauki 9 no 5 10-16 My '64

Liming of acid soils. F.I.Semenova. Zemledelie 26 no.5:53-57 My '64.

Placement of lime and molybdenum for legumes in acid soils. A V. Peterburgskii, Szabo Bela Dokl TSKHA no. 84:226-232 '63.

LIMIT THEOREMS (PROBABILITY THEORY)

A limit theorem in Hilbert space. N.P.Kandelaki. Trudy Vych.tsentr.AN Gruz.SSR 4:217 '64.

Total limit theorems for densities in the n-dimensional case. M.Mamatov, M.K.Khalikov. Izv. AN Uz.SSR. Ser. fiz.-mat. nauk 8 no. 1:13-21 '64.

LINE, VELTA

Rozito I. Velta Line,Riga, Latvijas PSR kinematografijas darbinieku savieniba, 1963. 14 p. (Padomju Latvijas kino aktieri) [Parallel text in Latvian and Russian]

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Linear equations in functional Laplacians. D. M. Polishchuk Usp mat nauk 19 no 2 163-170 Mr-Ap '64

Linearizing equations of gas flow in fractured rocks. IU. P. Zheltov, P.P. Zolotarev. Nauch.-tekh. sbor. po dob. nefti no. 20:17-20 '63.

LINEAR PROGRAMMING

The alternance method. I.Sh.Pinsker. Avtom.i telem. 25 no.3:302-311 Mr '64.

Correlation analysis and linear programming in planning and analytical work in mines. V. B. Sivyi, V. V. Nezhentsev, V. N. Liashenko. Ugol' Ukr. 8 no. 1:26-30 Ja '64.

"Elementary mathematical programming" R. W. Metzger. Reviewed by U.Kh. Malkov. Zhur. vych. mat. i mat. fiz. 4 no. 1:206 Ja-F '64.

"Elements of linear algebra and linear programming" by M. I. Romakin. Reviewed by S. V. Fomin. Usp. mat. nauk 19 no. 1:243-245 Ja-F '64.

Gorki. Institut inzhenerov vodnogo transporta. Fakul'tet zaochnogo obucheniia. Kafedra organizatsii dvizheniia. [Optimum planning in the utilization of technological means] Optimal'noe planirovanie ispol'zovaniia tekhnicheskikh sredstv. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transporta.

Lecture 1. [Mathematical basis and order for calculations using a simplex linear programming method; for improving the qualifications of the leading engineering and technical workers of the Ministry of the River Fleet of the R. S. F. S. R.] Matematicheskaia osnova i poriadok vychislenii simpleksnym metodom lineinogo programmirovanii; dlia grupp povysheniia kvalifikatsii rukovodiashchikh inzhenerno-tekhnicheskikh rabotnikov Ministerstva rechnogo flota RSFSR. 1962. 17 p.

[MICROFILM]

Investigating the advantageous overburden disposal in dump piles in strip mines of the Mikhaylovka Iron Ore Combine in the Kursk Magnetic Anomaly using the linear programming method. M.A.IAstrebinskii. Nauch. trudy Mosk. inst. radioelek.i gor.elektromekh. no.47: 136-142 '63.

Linear programming in determining the position of geological bodies. S.V.Shalaev. Zap.LGI 40 no.2: 51-62 '63.

Using a modified distribution system of linear programing in planning the transportation of grain products. M.Fauzullin. Muk.-elev.prom. 30 no.5:24-27 My '63.

LINOLEUM

Dantsin, M.I. [Heat- and sound-insulating linoleum] Teplozvukoizoliatsionnyi linoleum. Moskva, Stroiizdat, 1964. 150 p. (Novye stroitel'nye materialy)

Output of linoleum has increased 50%. F. M. Aristov, IA.S. Shterngas. Stroi.mat. 10 no. 3:6-7 Mr '64.

LIPASE

Lipolytic activity of some pathogenic microbes. V.I. Rykova, I.V. Domaradskii. Zhur. mikrobiol., epid.i immun. 40 no. 5:14-17 My '63.

LIPETSK—AUTOMOBILE INDUSTRY WORKERS

Joy is a hostess here; a photo report V Finogin Sov profsoiuzy 20 no 11 16-17 Je '64

LIPETSK—COMMUNITY CENTERS

Joy is a hostess here, a photo report V Finogin. Sov profsoiuzy 20 no 11 16-17 Je '64

LIPETSK PROVINCE—SUGAR BEETS

First shoots. B Burov Agitator no 9:31-34 My '64

LIPID METABOLISM

(see also subdivision under Tashkent)

Changes in the lipid fractions of blood in X-ray irradiated dogs under the conditions of fat load. A.G.Shagoian. Vop.radiobiol.[AN Arm SSR] 3/4:245-252 '63.

Clinical significance of the changes in some indicators of protein and lipid metabolism in patients with suppurative lung diseases V.I. Semenov, P. M. Savenkov. Sov. med. 27 no. 10.12-16 O '63.

LIPOLYSIS

Distribution of lipolytic enzymes in the walls of different human vessels. F.L.Leites, M.A.Golosovskaia. Dokl.AN SSSR 156 no.4:941-944 Je '64.

LIQUEFIED PETROLEUM GAS

Production and uses of liquefied gases in capitalist countries. N. P. Fedorenko, I. A. Bulavinova. Khim. prom. no. 10:787-792 O '63.

Production of liquefied gas in a fluidized bed of adsorbent. Al. M. Kuliev, A.M.Tabatabai, L.G.Sarkisova Dokl. AN Azerb.SSR 19 no.10:25-30 '63.

Unit for supplying consumers with liquefied gas M A. Maevskii. Gaz. delo no 2:37-45 '64.

LIQUID FUELS

Low pour-point fuels from Dolina oil. I.N. Rybko. Dokl. LPI 5 no. 1/2:88-91 '63.

Use of liquid fuel in the distillation of water and sterilization of drugs. A.F.Boiko. Farmatsev.zhur. 14 no.4:82-83 '59.

LIQUID HELIUM

Hydrodynamics of rotating helium II in a ring channel. M.P.Kemoklidze, I.M.Khalatnikov. Zhur.eksp.i teor. fiz. 46 no.5:1677-1679 My '64.

LIQUID METALS

Time of fracture under the action of a liquid-metal medium. L.M.Kachanov. Issl. po uprug.i plast. no. 3:225-231 '64.

LIQUIDS

Behavior of liquids under conditions of weightlessness V. B. Zenkevich. Teplofiz.vys.temp. 2 no. 2:230-237 Mr-Ap '64.

Certain aspects of the theory of molecular light scattering in liquids. M.I.Shakhparonov. Zhur.fiz.khim. 36 no.9:2030-2035 S '62.

Relation between diffusion and short-range order in a liquid. G. M. Panchenkov, V. V. Erchenkov. Vest. Mosk.un.Ser.2: Khim. 19 no. 1:20-26 Ja-F '64.

LIQUIDS—ELECTRIC PROPERTIES

Dielectric properties and molecular structure of acetone - n-hexane solutions. I.A.Vakalov, M.I. Shakhparonov. Vest.Mosk.un.Ser.2: Khim. 19 no.2: 16-19 Mr-Ap '64.

LISTERELLA

Multiplication of Listeria in the soil. L.A.Pomanskaia. Zhur.mikrobiol.,epid.i immun. 40 no.6:99-101 Je '63.

LISTERIOSIS—COMPLICATIONS AND SEQUELAE

A case of hydrocephalus in a newborn infant caused by listeriosis. N.S. Ogneva. Akush.i gin. no. 1:127 '63.

LITERARY PRIZES

The V.G.Belinskii Prize. Izv. AN SSSR.Ser.lit.i iaz. 22 no. 6:564 N-D '63.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

General meeting of the Department of Languages and Literature, Academy of Sciences of the U.S.S.R. A.I.Kuz'min. Izv.AN SSSR.Ser.lit.i iaz. 22 no. 6. 563-564 N-D '63.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—STUDY AND TEACHING

Abramovich, S. L. [Extracurricular reading classes in grades seven and eight] Uroki vneklassnogo chteniia v VII-VIII klassakh; iz opyta raboty. Moskva, Prosveshchenie, 1964. 116 p.

LITERATURE AND COMMUNISM see Communism and literature

LITHIUM

Effect of lithium on the properties of calcium babbitt. V.A.Dvoskina. Trudy TSNII MPS no. 277:61-71 '64.

Measurement of the ionic mobility of lithium admixture in concentrated HCl solutions. E.A.Kaimakov. Zhur. fiz.khim. 38 no.4:1023-1024 Ap '64.

Reaction of di-, tri-, and tetrachloromethanes with metallic lithium. A new technique of chlorocarbene production. O.M.Nefedov, A.A.Ivashenko Dokl.AN SSSR 156 no.4:884-887 Je '64.

LITHIUM FLUORIDE CRYSTALS—DEFECTS

Kinetics of oriented dislocations in irradiated LiF crystals. I.V.Telegina, E.V.Kolontsova. Kristallografiia 9 no.3:342-346 My-Je '64.

LITHIUM ISOTOPES—DECAY

Low-energy deuterons and tritons produced in the photodisintegration of Li^6. A.P.Komar, E.D.Makhnovskii. Dokl.AN SSSR 156 no.4:774-777 Je '64.

LITHIUM ORGANIC COMPOUNDS

Heterocyclic compounds. Part 1: Interaction of γ-piperidones with organolithium compounds. A.Sh. Sharifkanov, T.M.Mukhametkaliev, N.A.Gafarova. Zhur.ob.khim. 34 no.3:843-847 Mr '64.

Method of synthesis of ethyllithium in argon atmosphere. T.V.Talalaeva, K.A.Kocheshkov. Izv.AN SSSR.Ser. khim. no.5:855-860 My '64.

LITHIUM-SILICON ALLOYS

New representatives of the structural type $Li_{22}Pb_5$. E.I.Gladyshevskii, G.I.Oleksiv, P.I.Kripiakevich. Kristallografiia 9 no.3,338-341 My-Je '64.

LITHUANIA—AGRICULTURE—HYGIENIC ASPECTS

Sick rate is decreasing. V.Khmeleva. Okhr.truda i sots.strakh. 7 no.6 13-16 Je '64.

LITHUANIA—BANKS AND BANKING

Our work methods. I. Zinkevicius. Den.i kred. 22 no.5:44-48 My '64.

LITHUANIA—CATALOGING

Centralized cataloging in the Lithuanian S.S.R. B.B. Mashalas. Sov.bibl. no.1:34-39 '64.

LITHUANIA—CATHOLIC CHURCH

Markonis, Stasis. [The great illusion] Dizioji iliuzija. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 118 p. [In Lithuanian]

LITHUANIA—CATHOLIC CHURCH—CLERGY

"Miracles" of Roman Catholic priests. A.Sidlauskas. Agitator no 9 40-42 My '64.

LITHUANIA—COMMUNIST PARTY

Lopajevas, S. [Ideological and organizational growth of the Lithuanian Communist Party, 1919-1924] Lietuvos Komunistu partijos idejinis ir organizacinis stiprejimas (1919-1924). Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 108 p. [In Lithuanian]

Vilziunas, V. [Clenched fists; memoirs] Pakelti kumsciai; atsiminimai. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 205 p. [In Lithuanian]

LITHUANIA—CRAYFISH

Interspecific relations between the crayfishes Astacus astacus L. and Astacus leptodactylus Esch. in the lakes of eastern Lithuania [with summary in English]. J. Cukerzis. Zool. zhur. 43 no. 2:172-177 '64.

LITHUANIA—ETHNOLOGY

Lietuvos TSR Mokslu akademija, Vilna. Istorijos institutas. [Outline of Lithuanian ethnography] Lietuviu etnografijos bruozai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 680 p. [In Lithuanian]

LITHUANIA—FREE THOUGHT

Bartninkas, Mindaugas. [Free thought in Lithuania in 1924-1941] Laisvamanybe Lietuvoje (1924-1941). Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 50 p. (Lietuvos TSR "Zinijos" draugija) [In Lithuanian]

LITHUANIA—HERBICIDES

Use of herbicides in Lithuania. J. Monsivilaite, I. Puzinaite. Zashch. rast. ot vred. i bol. 8 no. 10:14-15 O '63.

LITHUANIA—HISTORY

[War of the Lithuanians with the Teutonic Knights] Lietuviu karas su Kryziuociais. Vilnius, Leidykla "Mintis," 1964. 354 p. [In Lithuanian]

LITHUANIA—LABOR AND LABORING CLASSES

Prokopavicius, A. [The source of satisfaction] Dziaugsmo saltinis. Vilnius, Valstybine polit. ir mokslines lit-ros leidykla, 1963. 43 p. [In Lithuanian]

LITHUANIA—LIMING OF SOILS

Liming of soils from planes. A.Vadopalas. Tekh.v sel'khoz. 24 no.3:12-13 Mr '64.

LITHUANIA—POSTAL SERVICE

Organization of mail transportation and delivery to subscribers in the Lithuanian S. S. R. I. IA Khaletskas Vest sviazi 24 no 5 24-25 My '64

LITHUANIA—RETAIL TRADE—AUDITING AND INSPECTION

Our work methods. I. Zinkevicius. Den i kred 22 no. 5,44-48 My '64.

LITHUANIA—SCIENCE—INFORMATION SERVICES

Main trends in reference and information work of the Lithuanian Institute of Scientific and Technological Information and Promotion. J. Zujus, A. Kancleris. NTI no. 2;9-13 '64.

LITHUANIA—STRINGED INSTRUMENTS

Stepulis, Pr. Kankles. Vilnius, Valstybine grozines lit-ros leidykla, 1955. 225 p. [In Lithuanian]

LITHUANIA—SWINE—FEEDING AND FEEDS

Plan feed supply on swine farms correctly. R. Grigas. Ekon. sel'khoz. 35 no. 5:78-82 My '64.

LITHUANIA—TECHNOLOGY—INFORMATION SERVICE

Main trends in reference and information work of the Lithuanian Institute of Scientific and Technological Information and Promotion. J Zujus, A Kancleris. NTI no. 2;9-13 '64.

LITHUANIA—WINDS

Dorfman, TS. IA., and Abram Ukmergiskis. [Wind regime of the Lithuanian S. S. R. and Kaliningrad Province of the R. S. F. S. R.] Vetrovoi rezhim po territorii Litovskoi SSR i Kaliningradskoi oblasti RSFSR. Vil'nius, Gospolitnauchizdat Litovskoi SSR, 1964. 67 p.

LITHUANIA—WORLD WAR, 1939-1945

Vabalas, Alfonsas. [The legend of Tarpumiskiai] Tarpumiskiu legenda. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 74 p. [In Lithuanian]

LITHUANIAN ART see Art, Lithuanian

LITHUANIAN FOLK SONGS see Folk songs, Lithuanian

LITHUANIAN LANGUAGE—DICTIONARIES—GERMAN

Kareckaite, A., H. Kazlauskaite, and V. Kazlauskaite, comps. [A concise German-Lithuanian and Lithuanian-German dictionary for school use] Trumpas mokyklinis vokieciu-lietuviu ir lietuviu-vokieciu kalbu zodynas. Kaunas, Valstybine pedagogines lit-ros leidykla, 1963. 301 p. [In Lithuanian]

LITHUANIAN LITERATURE—HISTORY AND CRITICISM

Lietuvos TSR Moksiu akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Chrestomathy of Lithuanian literature; the age of feudalism] Lietuviu literaturos istorijos chrestomatija; feodalizmo epocha. Red. K. Korsakas ir J. Lebedys. Vilnius, Valstybine grozines literaturos leidykla, 1957. 526 p. [In Lithuanian]

LIVER

Bliuger, A. F. [Structure and function of the liver in epidemic hepatitis] Struktura i funktsiia pecheni pri epidemicheskom gepatite. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 390 p.
(DNLM)

Embryonic development of argyrophilic fibers in the human liver L. I Salilchuk. Arkh anat., gist. i embr 44 no. 4;94-99 Ap '63

Prothrombin-forming function of the liver in pregnancy toxicoses. S. M. Gevorkian. Izv. AN Arm. SSR. Biol. nauki 15 no. 5;71-76 My '62.

LIVER—BLOOD SUPPLY

Arterial blood supply of the lobules of the liver [with summary in English]. E. V. Kapustina. Arkh. anat. gist. i embr. 43 no. 10:19-35 O '62.

Intraorgan lymphatic vessels of the liver in disorders of the blood supply produced by cardiovascular diseases [with summary in English]. M. A. Dolgova. Arkh. anat. gist. i embr. 43 no. 10.84-91 O '62.

LIVER—CANCER

Spontaneous ruptures of the liver. N. K. Matveev. Khirurgiia 39 no. 8;67-72 Ag '63.

Study of the cancerogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No. 1' Early histological changes in the rat liver under the action of N-nitrosodimethylamine and N-nitrosodiethylamine. I. N. Shvemberger. Sbor. rab. Inst. tsit. no. 7.76-85 '63.

Study of the cancerogenic action of N-nitrosodimethylamine and N-nitrosodiethylamine. Report No. 2 Primary liver and kidney tumors produced in rats under the action of N-nitrosodiethylamine. I. N. Shvemberger. Sbor. rab. Inst. tsit. no. 7·86-91 '63.

LIVER—CIRRHOSIS

Intraorgan lymphatic vessels of the liver in disorders of the blood supply produced by cardiovascular diseases [with summary in English]. M. A. Dolgova. Arkh. anat. gist. i embr. 43 no. 10 84-91 O '62.

LIVER—DISEASES

Comparison of laparoscopic and roentgenologic findings in diseases of the liver and bile ducts. A. S. Loginov, M. E. Bokshtein. Sov. med. 27 no. 10;91-97 O '63

Importance of liver and gastric function in the development of skin lesions caused by epoxy resins and gastric salts. L. P. TSyrkunov. Vest. derm. i ven 37 no 6; 27-30 Je '63.

Prevention of lipoid liver degeneration of the rainbow trout by adding phosphatides to its diet. T. I. Privol'nev and others Dokl. AN SSSR 156 no 5 1241-1243 Je '64.

Rare case of ascariasis in the swine liver. Zh. Shapolatov. Uzb. biol. zhur. 7 no. 6;87 '63.

Thymol test in experimental liver diseases. Ch. I. Burshtein, B. I. Kinel. Lab. delo no. 2,85-87 '64.

LIVER—HYDATIDS

Case of massive resection of the right and Square lobe of the liver with the gallbladder in multiple echinococcal cysts. M IA. Chkheudze. Khirurgiia 39 no. 8 118-119 Ag '63.

Case of torsion of the gallbladder N. A Sofinskii. Khirurgiia 38 no 12 111 D '62

LIVER—NECROSIS

Determination of urocanase in the blood in carbon tetrachloride poisoning. S. R. Mardashev, V. A. Burobin. Vop. med. khim. 9 no. 1;93-94 Ja-F '63.

LIVER—RUPTURE

Spontaneous ruptures of the liver. N. K Matveev. Khirurgiia 39 no 8 67-72 Ag '63

LIVER—SURGERY

Anatomic hepatectomy, sectorectomy and segmental resection of the liver. V S. Shapkin. Khirurgiia 39 no. 8 72-79 Ag '63

Case of massive resection of the right and Square lobe of the liver with the gallbladder in multiple echinococcal cysts. M. IA. Chkheudze. Khirurgiia 39 no. 8 118-119 Ag '63.

Effect of liver surgery on the activity of some enzymes in the blood serum. S. A Borovkov, A. F Bliuger. Eksp khir i anest 8 no. 5 34-36 S-O '63

Method for surgical treatment of closed liver injuries. V V. Ivanov Khirurgiia 38 no 12 115-117 D '62.

LIVER—TUMORS

Induction of catalase and cystine desulfurase activity in transplanted mouse hepatoma under the effect of ribonucleoprotein isolated from the normal liver. V. S. Shapot, S. IA. Davydova, G. A. Drozdova. Vop. med. khim. 9 no. 1·102-104 Ja-F '63.

LIVER—WOUNDS AND INJURIES

Method for surgical treatment of closed liver injuries. V. V. Ivanov Khirurgiia 38 no 12:115-117 D '62

LIVER FLUKE see subdivision under Kamchatka; Moscow Province

LIVER FUNCTION TESTS

Bliuger, A. F. [Structure and function of the liver in epidemic hepatitis] Struktura i funktsiia pecheni pri epidemicheskom gepatite. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 390 p.
(DNLM)

Functional state of the liver in lupus erythematosus G. E. Shinskii and others. Vest. derm i ven 37 no. 9 14-16 S '63

Oxidative deamination of D-aspartic acid in the liver of rabbits in experimental tuberculosis. V. G. Grigorian. Vop. med. khim. 9 no. 1;37-40 Ja-F '63.

Regulation of histidine splitting in a rat liver by thyroid hormones. K. N. Miasoedova. Vop. med. khim. 9 no. 1;95-96 Ja-F '63.

Some functional changes in the liver in acute and subacute cases of radiation sickness. M. Kh. Airapetian. Vop. radiobiol. [AN Arm. SSR] 3/4;261-268 '63.

Some problems in the diagnostic use of radioisotopes; Cr^{51} in the determination of gastrointestinal hemorrhage and I^{131}-labeled rose bengal in liver function tests P. I Egorov and others. Vest. AMN SSSR 18 no. 10 70-76 '63

Technique of performing the thymol turbidity test and its results in epidemic hepatitis. N. A. Kosarikhina. Lab. delo no. 2;81-84 '64.

Thymol test in experimental liver diseases. Ch. I. Burshtein, B. I. Kinel. Lab. delo no. 2;85-87 '64.

LIZARDS—PARASITES see Parasites—Lizards

LOADING AND UNLOADING

Remarks on the method of unloading ships in the open sea without moorings. S. M. Rudnitskii. Ryb. khoz. 40 no. 1;39-41 '64.

Resistances arising during the scooping of bulky loads by shovel. D. V. Murikov, G. V. Rodionov. Stroi. i dor. mash. 9 no. 3;22-23 Mr '64.

Tractor front loaders. IU. I. Kocherygin. Trakt. i sel'-khozmash. no. 5,44-46 My '64.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Attachment for unloading cargo trucks. V. Il'in. Tekh. v sel'khoz 24 no 5·87-88 My '64

Continuous universal loader. IU. N. Lipov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst nauch. i tekh. inform. 17 no. 2,64-66 '64.

The D-565 multi-bucket loader. E. D. Galochkin. Stroi. i dor. mash. 9 no. 3;6-7 Mr '64.

Grinevich, G. P., G. G. Grinevich, and A. S. Gel'man. [Comprehensive mechanization of loading and unloading work and transportation operations in construction] Kompleksnaia mekhanizatsiia pogruzochno-razgruzochnykh rabot i transportnykh operatsii v stroitel'stve Moskva, Stroiizdat, 1964 363 p.

Mechanized peat unloading from hoppers I. I. Korol'kov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4;64-66 Ap '64.

Spring and hydraulic absorber in the hydraulic drive of a tractor loader. A. V. Markovskii. Stroi. i dor. mash. 9 no. 3,8-9 Mr '64.

LOBACHEVSKII, NIKOLAI IVANOVICH, 1793-1856

Sources of N. I. Lobachevskii's views on the problems of physics, mathematics, and philosophy. I. P. Novak. Uch. zap. Kazakh. un 40,105-130 '59.

LOBELINE

Effectiveness of lobeline injected by different methods into irradiated animals. S. A. Akopian, S. S. Grigorian. Vop. radiobiol. [AN Arm. SSR] 3/4;111-120 '63

LOCAL ANESTHESIA

Relation between the chemical structure and local anesthetic action among some derivatives of p-alkoxy and theoxy benzoic acids A. L. Mndzhoian, V. M Samvelian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5;3-6 My '63

LOCAL GOVERNMENT see subdivision under Poland; Ukraine

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor transp. no. 6 Je '64.

LOCOMOTION, DISORDERED

Interaction of the cerebral cortex and the mesencephalic reticular system in the compensation of locomotor functions. N. N. Dzidzishvili, S. M. Butkhuzi. Trudy Inst. fiziol. AN Gruz. SSR 13;69-76 '63.

Tonic positions of the hand in pyramidal insufficiency syndrome. I. I. Rusetskii, L. S. Rybakova. Zhur. nevr. i psikh. 63 no. 6;824-827 '63.

LOCOMOTIVES

Increase the responsibility of railroad traffic officials in the operation of locomotives. A. I. Smotanin. Zhel. dor. transp. 46 no. 4;10-16 Ap '64

LOCOMOTIVES—DESIGN AND CONSTRUCTION

Basic types of locomotives for the future. P. G. Muratov. Zhel. dor. transp. 46 no. 4;22-30 Ap '64.

LOCOMOTIVES—DYNAMICS

Ershkov, O. P. [Using rating graphs for evaluating the action of locomotives on the rail in curves] Primenenie grafikov-pasportov dlia otsenki vozdeistviia lokomotivov na put' v krivykh. Moskva, Transport, 1964. 33 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

LOCOMOTIVES—MAINTENANCE AND REPAIR

Organization of depot repairs of diesel and electric locomotives in the same station. A. A. Bovin Trudy DIIT no. 40;131-145 '62.

LOCOMOTIVES—TESTING

Investigating the coefficients of friction, slide, and cohesion. Z. Z. Rudiakov. Trudy DIIT no. 40; 32-53 '62.

Results of the study of the interaction between the driving wheels of locomotives and the rails. Z. Z. Rudiakov. Trudy DIIT no. 40; 54-67 '62

LODGING (PLANTS)

Role of carbohydrates in the lodging of cotton plants. S. Kh. IUldashev, N. A. Akchurina. Uzb. biol. zhur. 7 no. 6;67-73 '63.

LOESS see subdivision under Podolia

LOGIC

Logical significance of categories. S. V. Oruzheinikova. Vest. Mosk. un. Ser. 8: Ekon., filos. no. 3;48-58 My-Je '64.

Mal'tsev, V. I. [Essay on dialectical logic] Ocherk po dialekticheskoi logike. [Moskva] Izd-vo Mosk. univ., 1964. 187 p.

Objective nature of the laws of formal logic. P. A. Lezhebokov. Uch. zap. Kazakh. un. 40;92-104 '59.

Pugach, G. V. [To think correctly means to think logically] Myslit' pravil'no - znachit myslit' logichno. [Perm'] Permskoe knizhnoe izd-vo, 1963. 40 p. (Besedy o nashem mirovozzrenii)

Rutkevich, M. N., and L. M. Arkhangel'skii, eds. [Certain categories of dialectic] Nekotorye kategorii dialektiki. [Petrozavodsk] Rosvuzizdat, 1963. 132 p.

LUNGS—SURGERY (Continued)

[illegible] of atelectasis during lung surgery [with summary in English]. M A Vishnevskaia. Eksp khir i [illegible] 73- [illegible] S-O '63

[illegible] the bronchial stump and the pulmonary [illegible] operations on the lungs. V R [illegible] Khirurgiia [illegible] 12 13-1[illegible] D '62

Pulmonary hamartomas. A.G.Karavanov, V.M Volchek. Khirurgiia 39 no.8 42-43 Ag '63.

[illegible] performed on a child for a broncho-[illegible] fistula and pulmonary cirrhosis [illegible] R M Mak[illegible] Khirurgiia [illegible] no 12 [illegible]-101 D '62

Some considerations on the prevention and treatment of residual pleural cavities following lobectomy in pulmonary tuberculosis. B.S.Kibrik. Khirurgiia 39 no.8 [illegible]-30 Ag '63.

Surgical treatment of echinococcosis of the lungs. IA Do-[illegible] Khirurgiia 3[illegible] no 12 23-46 D '62

Surgical treatment of metastatic tumors of the lungs. B.K.Osipov. Khirurgiia 39 no 8,8-11 Ag '63.

LUNGS—TUMORS

Diagnosis and treatment of cartilaginous formations in the lungs. P P [illegible] A P Matsiuk A I Nikonorov Khirurgiia 3[illegible] no 12 26-34 D '62

Materials on the pathomorphology of adenomatous and granulomatous lesions of the lungs of sheep in Alma-Ata Province. U Iglmanov. Trudy AZVI 12 397-407 '61

Nasta, Marius, and others. [Bronchopulmonary tumors; anatomical clinical and pathohistological study. Translated from the Rumanian] Bronkholegochnye opukholi, anatomo-klinicheskoe i patogistologicheskoe issledovanie. Bucharest, Izd-vo Akad.Rumynskoi Narodnoi Respubliki, 1963. 453 p.
(DNLM)

Pulmonary hamartomas. A.G.Karavanov, V.M.Volchek. Khirurgiia 39 no.8:42-43 Ag '63.

LUNGWORMS

Materials on the pathomorphology of adenomatous and granulomatous lesions of the lungs of sheep in Alma-Ata Province. U Iglmanov. Trudy AZVI 12 397-407 '61

LUPINE

Diagnosis of the virus diseases of lupine Phaseolus virus and Cucumis virus 1. N B.Porembskaia. Zashch rast.ot vred i bol 9 no.2:46-47 '64.

LUPINE—VARIETIES

Restoration of alkaloid biosynthesis in grafting pairs of incompatible varieties of fodder lupine. N V.Turbin, V.S.Anokhina. Vestsi AN BSSR Ser.biial.nav no.1: 15-21 '64.

LUPINE AS FEED

Using crushed forage lupine in sheep rations. N.F. Simong.. Nauch.trudy Nauch.-issl.inst.zhiv.Les. i Pol. 32 60-64 '62.

LUPUS ERYTHEMATOSUS

C-reactive protein in lupus erythematosus and other dermatoses. L S Reznikova, L I Trofimova Vest derm i ven 37 no 9 3-9 S '63

Functional state of the liver in lupus erythematosus G E Shirskii and others Vest derm i ven 37 no 9 14-16 S '63

LUR'E SOLOMON IAKOVLEVICH, 1890-

Fifty years of Professor S.IA.Lur'e's scholarly work. Vest.drev.ist. no.1:223 '64.

LUTUGIN, LEONID IVANOVICH, 1864-1915

L.I.Lutugin, a prominent explorer of the Donets Basin, on the 100th anniversary of his birth. IU.O.Anisimov. Ukr.ist.zhur. 8 no.2.119-120 Mr-Ap '64.

LUVSANCHULTEM, NIAMYN, 1916-

Niamyn Luvsanchultem Nov vrem 21 no 13 15 Mr '64

LVOV, SEMEN IVANOVICH

Over the ice route. A Sul'tanov Sov.voin 46 no 7-6 Ap '64

LVOV—DESKS

New types of desks. V.M.Nodel'man, Z.I.Diachun. Bum.i der.prom. no.1:36-38 Ja-Mr '64.

LVOV—FURNITURE INDUSTRY

Production of plastic hardboard and laminated hardened paper at the Lvov Cardboard Factory V.M.Zubko, A.M.Karlitskii, A.L.Zbarazhskii. Bum.i *der.prom.* no.1 21-22 Ja-Mr '64.

LVOV PROVINCE—DRUGSTORES

Organization of the work of the province pharmacy personnel. V.K.Dannenberg. Farmatsev.*zhur.* 16 no.4:68-73 '61.

LVOV PROVINCE—GRAIN TRADE

For communist labor; Alma-Ata Milling Combine; Belgorod-Dnestrovskiy Combine; at the *enterprises of* the Lvov Grain Products Administration. I.Amerzhanov and others. Muk.-elev.prom. 30 no.5:6-8 My '63.

LVOV PROVINCE—PERIWINKLE (BOTANY)

Quantitative determination of total alkaloids of periwinkle occurring in Lvov Province. S.L.Voskoboinyk Farmatsev.zhur 15 no.4 45-48 '60.

LVOV PROVINCE—PHARMACEUTICAL SOCIETIES

Activities of the Lvov Province Scientific Pharmaceutical Society in 1960 I R.Hnidets', I R M.Piniazhko, M M Turkevych Farmatsev zhur 16 no.4:87-90 '61.

LVOV PROVINCE—POTATOES—DISEASES AND PESTS

Causes of potato degeneration in the various zones of the western Ukraine. A.M.Favorov, M.I.Frolova. Vest. sel'khoz.nauki 9 no.2:54-55 F '64.

LVOV-VOLYN' BASIN—COAL MINES AND MINING

Raising the efficiency of operating ShBM-2 mining cutter-loaders in the Lvov-Volyn coal basin. V.G. Mikhailov and others. Ugol' Ukr. 8 no.3:24-27 Mr '64.

LYMPHATICS

Anatomicophysiological characteristics of the respiratory system in man and animals *in the genesis of immunity following* vaccination by the aerosol method. Report no 2: Protective function of the tissues of lung parenchyma and the lymphatic system of the respiratory organs. IU.S.Pisarevskii Zhur mikrobiol.,epid.i immun 40 no.6:101-105 Je '63.

Effect of external and internal *factors* on the *formation* of collateral pathways of the lymph flow. Arkh.anat. gist.i embr. 43 no.10:102-108 O '62.

Intraorgan lymphatic vessels of the liver in disorders of the blood supply produced by cardiovascular diseases [with summary in English]. M.A.Dolgova. Arkh.anat. gist.i embr. 43 no.10:84-91 O '62.

Lymphatic vessels in the area of the postoperative cicatrix of the small intestine. Sh A Gurtskaia Eksp khir.i anest 8 no 5,40-42 S-O '63

Materials on the study of the lymphatic system of the nasal cavity in calves V M Panin Trudy AZVI 12 474-481 '61

Role of regional lymph nodes in the mechanism of the formation of vaccinal immunity. Report No.2; Lymph node reaction to primary administration of corpuscular antigen. B.A.Godovannyi. Zhur.mikrobiol.,epid.i immun. 40 no.10:21-25 O '63.

LYMPHATICS—BIOPSY

Method of puncture biopsy of lymphatic nodes in the area of tracheal bifurcation. B.L.Eliashevich. Vop.onk. 8 no.9:112-115 '62.

LYMPHATICS—BLOOD SUPPLY

Morphological differences of the endothelium of arterial and venous vessels of the lymph nodes. L.O.Bondar. Dop.AN URSR no.5:662-666 '64.

LYMPHATICS—DISEASES

Preobrazhenskii, B.S., and L.E.Stkliankin. [How to portect yourself from angina and its sequelae] Kak uberech'sia ot anginy i ee posledstvii. *Moskva, Izd-vo* "Znanie," 1964. 22 p. (Narodnyi universitet, Fakul'tet zdorovlia, no.9)

LYOPHILIZATION

Prolonged preservation of lyophilized preparations in vacuum test tubes D.A Donetskii, N I.Krakovskii Khirurgiia 38 no 12:68-69 D '62.

LYSOZYME

Immunogenesis and nonspecific factors of natural resistance. Report No.2: Effect of antirabies vaccination on the lysozyme content of human saliva and blood. D.F. Pletsityi, L.P.Gorshunova, E.S.Fidel'man. Zhur. mikrobiol.,epid.i immun. 40 no.10:38-42 O '63.

MACHINE ACCOUNTING

Chevelev, I.I. [Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. [Petrozavodsk] Vysshaia shkola, 1964. 234 p.

Discussion of I.Gruntfest' and V.Isakov's textbook "Calculating machines and their utilization in accounting." Bukhg.uchet 21 no.2:66-67 F '64.

For a wider use of accounting machines. F.Tarakanov. Den.i kred. 22 no.5:58-61 My '64.

In the Board of Directors *of the State Bank of the U.S.S.R.* Den.i kred. 22 no.5:93 My '64.

The journal-voucher accounting system with the use of keyboard calculating machines. M.Rozenberg. Bukhg. uchet 21 no.2:18-23 F '64.

Machine accounting for finished products. S.Zhukovtsev, A.Pitsyk. Bukhg.uchet 21 no.2:9-11 F '64.

Machine accounting for materials. N.Bryzgalin, A.Teplitskii. Bukhg uchet 21 no.2:6-9 F '64.

Machine accounting for the output and wages. N.Savitskii. Sots.trud 9 no.5:71-75 My '64.

Machine accounting in savings banks. A.Zhabrovets. Den.i kred. 22 no.5:61-62 My '64.

Mechanization of administrative work in enterprises. I.Vasil'ev. Sots.trud 9 no.6:48-52 Je '64.

Over-all accounting mechanization. V.Pak, I.Petrova. Bukhg.uchet 21 no.2:12-18 F '64.

Plant and a machine accounting station. I.Rozenoer. Sots.trud 9 no.6:53-57 Je '64.

Use machine accounting in agriculture. M.Maiov. Bukhg.uchet 21 no.1:7-12 Ap '64.

Volkov, S.I., and M.M.Rapoport. [Calculating technique and machine accounting] Tekhnika vychislenii i mekhanizatsiia ucheta. Moskva, Izd-vo "Kolos," 1964. 310 p (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

MACHINE ACCOUNTING—STUDY AND TEACHING
(see also subdivision under Leningrad)

Improve the training of accounting machine operators P Vlasov, E.Min'kovskii. Bukhg.uchet 21 no.2:32-34 F '64.

MACHINE PARTS

[Progressive practices in the heat treatment of machine parts] Peredovoi opyt termicheskoi obrabotki detalei. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 55 p

S[illegible] ransactions] Tochnost', vzaimozameniaemost' i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, *Izd-vo "Nauka," 1964. 380 p.*

MACHINE PARTS—DESIGN AND CONSTRUCTION

Volynskii, A.IA. [Design of cast iron parts and their suitability for founding] Konstruirovanie chugunnykh detalei i ikh liteinaia tekhnologichnost'. Moskva, Izd-vo "Mashinostroenie," 1964. 210 p.

MACHINE-SHOP PRACTICE

Adjusting readjusting machines and machine tools by test parts. B.D.Tolpegin. Vest.mashinostr. 44 no.5:60-67 My '64.

Fitting in their seats monometallic bushings and aluminum alloy inserts. N.K.Babaev. Trudy [illegible] MPS no.277:89-90 '64.

G[illegible] shkola,
Pt.1. [For workers in the professions: assembler and fitter, repairman, universal turner] Dlia rabochikh professii: slesar'-sborshchik, slesar'-remontnik, tokar'-universal). 1964. 435 p.

Improved technology for the preparation of bases for the mounting of running-wheel units of bridge cranes and crane carriages. D.A.Rogovin, F.V.Stepanenko Vest.mashinostr. 44 no.5:53-54 My '64.

Koslachenko, A.P., and I.A.Molchan. [Machine-shop practice] Slesarnoe delo. Izd. 3., isp. i perer. Moskva, Izd-vo "Mashinostroenie," 1964. 214 p.

Volosov, S.S. [Technological and metrological fundamentals for precision in regulating dimensions in the manufacture of machinery] Tekhnologicheskie i metrologicheskie osnovy tochnosti regulirovaniia razmerov v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 276 p.

MACHINE-TOOL INDUSTRY see subdivision under Japan, Moscow

MACHINE-TOOL INDUSTRY—ACCOUNTING see subdivision under Moscow

MACHINE TOOLS

Accounting for the obsolescence of special purpose tools A.Borodkin. Bukhg.uchet 21 no.2:52-54 F '64.

Automatic lines for manufacturing valves for automobile and tractor engines. B.I.Cherpakov, R.I.Charnyi. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.5:30-32 My '64.

Automatic transfer machines and the possibilities of their use. E.Adzhemian Prom.Arm. 7 no.2 6-8 F '64

The LShShR-1, 5 transfer-machine line. V.L. Tilipalov. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:32-33 Ap '64.

Machine for planing lubrication grooves and drilling holes in bushings. V.A.Karpov. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:29-30 Ap '64.

Melamed, G.I., V.D.TSvetkov, and D.S.Aizman. [Machine-tool units] Agregatnye stanki. Moskva, Izd-vo "Mashinostroenie," 1964. 422 p.

Modernization of special machine tools for machining races for angular velocity hinges of a front axle. R.D. Sidnev. Avt.prom. 30 no.3:40-41 Mr '64.

New method for fastening pinion gears on shaving machines. P.I.Maslov. Avt.prom. 30 no.3:42 Mr '64.

Semiautomatic assembling machine. O.V.Tochenov, B.M.Grachev. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:22-24 Ap '64.

Semiautomatic centering machine. V.V.Volgin. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.2:34-36 '64.

MACHINE TOOLS (Continued)

Voronov, A. L., and I. A. Grebenkin. [Gearboxes of machine tools; kinematic calculation of gearboxes with combined structure and multiconnected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhennoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 132 p.

The Vs-167 and Vs-168 semiautomatic machines for centering billets of circular files. E. M. Gil'dinson. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5,35-36 My '64.

MACHINE TOOLS—ELECTRIC DRIVING

Effective parameters of the electric drive of program controlled machine tools K I Kozhevnikov Elektrichestvo no 1 18-23 Ja '64

MACHINE TOOLS—MAINTENANCE AND REPAIR

Lebedev, A. S. [Methods of reconditioning machine tool parts] Sposoby vosstanovleniia detalei stankov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 255 p.

MACHINE TOOLS—PARTS

Lebedev, A. S. [Methods of reconditioning machine tool parts] Sposoby vosstanovleniia detalei stankov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 255 p.

MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Gorkiy)

Efficiency of basic trends in the modernization of machine tools. I. A. Kruchinin. Vest. mashinostr. 44 no. 5:71-75 My '64

MACHINE TRANSLATING

Device for the selection of information related to a given word. D.G.Antidze. NTI no 2;47-48 '64.

Problems in fixing the designation of objects. G.S. Tabidze. NTI no.2:30-43 '64.

Problems of morphological analysis in machine translation. D.Varga. NTI no.4;47-50 '64.

Some considerations on the structure of specialized digital computers for the translation of languages. I.S.Dargarian, T.M.Ter-Mikaelian. NTI no.2;44-46 '64.

Some principles for compiling a "thesaurus" type of dictionary. M.V.Arapov. NTI no.4;41-46 '64.

MACHINERY

The ASh6 semiautomatic assembling machine. M. IA. Zlatopol'skii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:37-39 My '64.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. no. 6 Je '64.

[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostr. Avtorskii ukazatel' za 1963 g.

MACHINERY—DESIGN AND CONSTRUCTION

Interbranch unification of machinery is a basic trend in technical development. N.G.Dombrovskii. Standartizatsiia 28 no. 4;46-49 Ap '64.

Soveshchanie po tochnosti, vzaimozameniaemosti i tekhnicheskim izmereniiam v mashinostroenii. 2d, 1962. [Precision, interchangeability and industrial measurements in the manufacture of machinery; transactions] Tochnost, vzaimozameniaemost' i tekhnicheskie izmereniia v mashinostroenii; trudy. Moskva, Izd-vo "Nauka," 1964. 366 p.

Trutovskii, B. B. [Potentials for reducing the time of designing and planning of production] Rezervy sokrashcheniia srokov proektirovaniia i podgotovki proizvodstva. Moskva, Izd-vo "Nauka," 1964. 163 p.

Unification is a method for creating high-production machines. A. I. Dobrianskii. Standartizatsiia 28 no. 4: 30-38 Ap '64.

Volkov, IU. V., Z. A. Volkova, and L. M. Kalgorodtsev. [Durability of machines operating in an abrasive medium] Dolgovechnost' mashin, rabotaiushchikh v abrazivnoi srede. Moskva, Izd-vo "Mashinostroenie," 1964. 114 p.

MACHINERY—MAINTENANCE AND REPAIR

Patskevich, I. R., ed. [Investigation and application of hard facing and build-up welding with a weaving arc] Issledovanie i primenenie vibrodugovoi naplavki. Moskva, Izd-vo "Mashinostroenie," 1964. 231 p.

MACHINERY—SAFETY APPLIANCES

Follow-up of our materials. Sov. profsoiuzy 20 no. 13: 46 Jl '64.

MACHINERY—STANDARDS

Interbranch unification of multipurpose machines for labor consuming operations. Standartizatsiia 28 no. 4:72 Ap '64.

MACHINERY—TESTING

Apparatus for working out the diagrams by the peak method. A. A. Vysotskii, G. T. Kleinman. Trakt. i sel'khozmash. no. 5:34-35 My '64.

Forced tests of machines for durability. K. P. Chudakov. Stroi. i dor. mash. 9 no 3;9-13 Mr '64.

MACHINERY, AUTOMATIC

Operation consolidation in the working cycle chart as a means to increase the operative capacity of automatic machines. B. E. Gorskii, IA. L. Cherniavskii. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2 142-150 '64.

MACHINERY, AUTOMATIC—PNEUMATIC DRIVING

Gerts, E. V., and G. V. Kreinin. [Dynamics of pneumatic drives in automatic machinery] Dinamika pnevmaticheskikh privodov mashin-avtomatov. Moskva, Izd-vo "Mashinostroenie," 1964. 235 p.

MACHINERY, KINEMATICS OF

Analyzing the kinematics of a bit roller operating in a reaction-turbine drilling assembly. G. I Bulakh. Trudy VNIIBT no. 4:51-63 '62.

MACHINERY INDUSTRY
(see also subdivision under Azerbaijan; Leningrad; Leningrad Province; Sverdlovsk)

Objectives of the introduction of achievements of chemistry into the machinery industry. A. M. Kogan Vest. mashinostr. 44 no. 5,3-7 My '64.

Rodriges, Khose, and S. I. Vul. [Training workers to be versatile] Formirovanie rabochikh shirokogo profilia. Moskva, Ekonomika, 1964. 132 p.

Zotov, I. S., and others. [Economic analysis of projects of machine manufacturing plants] Ekonomicheskoe obosnovanie proektov mashinostroitel'nykh zavodov. Moskva, Izd-vo "Mashinostroenie," 1964. 308 p.

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. no. 6 Je '64.

MACHINERY INDUSTRY—ACCOUNTING see subdivision under North Caucasus Economic region

MACHINERY INDUSTRY—AUDITING AND INSPECTION

Zhukov, P. A., and V. I. Ganshtak. [Bureaus of economic analysis staffed with volunteers in machinery manufacturing plants] Obshchestvennye biuro ekonomicheskogo analiza na mashinostroitel'nykh zavodakh. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1964. 137 p.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Moldavia

MACHINERY INDUSTRY—HANDBOOKS, MANUALS, ETC.

[Machine builders handbook; in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Red. sovet: N. S. Acherkan i dr. Moskva, Izd-vo "Mashinostroenie,"

Vol. 6. Satel', E. A., ed. Izd. 3., ispr. i dop. 1964. 640 p.

MACHINERY INDUSTRY—INFORMATION SERVICES see subdivision under Rybinsk

MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Demchenko, M. N. [Specialization and labor productivity in the machinery industry] Spetsializatsiia i proizvoditel'nost truda v mashinostroenii. Moskva, Izd-vo "Nauka," 1964. 415 p.

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Brovary, Kiev Province; *Voronezh*)

"Accounting and analysis of the economic activity of a machinery enterprise" by E. T. Astashkevicher. Reviewed by G. S. Butman, M. P. Maslov. Vest. mashinostr. 44 no. 5:83-84 My '64.

Results of the all-Union competition for best work on labor organization and the establishment of technical standards. Sots. trud 9 no. 6:145-146 Je '64.

MACHINERY INDUSTRY—PRODUCTION STANDARDS
(see also subdivision under Middle Ural Economic region; Moscow Province)

Collection of time norms for heat treatment works. V. Deriabina. Sots. trud 9 no. 6:149-151 Je '64.

Results of the all-Union competition for best work on labor organization and the establishment of technical standards. Sots. trud 9 no. 6:145-146 Je '64.

MACHINERY INDUSTRY—QUALITY CONTROL see subdivision under Saratov

MACHINERY INDUSTRY—STANDARDS

Development of specialized manufacture of standard articles. M. V. Gazaliev. Standartizatsiia 28 no. 4: 60-64 Ap '64.

Standardization and unification of equipment in the machinery industry. V. V. Kuz'min. Standartizatsiia 28 no. 4:25-30 Ap '64.

Standardization trend in the specialization of machinery plants. V. B. Gokun. Standartizatsiia 28 no. 4:54-59 Ap '64.

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Leningrad

MACROMOLECULAR COMPOUNDS

Contribution to the theory of the configuration properties of polyelectrolyte molecules. A. M. El'iashevich, O. B. Ptitsyn. Dokl. AN SSSR 156 no 5:1154-1155 Je '64.

Effect of the discreteness of surface charge on the electrostatic potential of macroions in electrolyte solutions. IU. I. IAlamov, A. M Malaev Zhur fiz. khim. 38 no 4:963-967 Ap '64.

Hydrodynamics of polymer solutions. Part 7 Effect of long range interaction on the intrinsic viscosity of macromolecules near the Θ-point. IU. E. Eizner, O. B. Ptitsyn. Vysokom. soed. 6 no. 5,777-781 My '64.

Kireev, V. A. [Macromolecular compounds and materials; a manual for a course in general chemistry for the students of the Moscow Engineering and Construction Institute] Vysokomolekuliarnye soedineniia i materialy; uchebnoe posobie po kursu obshchei khimii dlia studentov Moskovskogo inzhenerno-stroitel'nogo instituta im. V. V. Kuibysheva. Moskva, Mosk. inzhenerno-stroitel'nyi in-t im. V. V. Kuibysheva, [1960] 51 p. [MICROFILM]

Physicochemical means of regulation of supermolecular structures and mechanical properties of amorphous polyarylate F-1. G. L. Slonimskii and others. Dokl. AN SSSR 156 no. 4;924-926 Je '64

Possibility of preparing high-molecular weight compounds from diphenylgermane under conditions of polyrecombination reaction. S. L Sosin, V. V Korshak, V. P. Alekseeva. Vysokom. soed. 6 no. 5:827-831 My '64.

Possibility of synthesizing macromolecular compounds from diphenylsilane under conditions of the polyrecombination reaction. S. L. Sosin, V. V. Korshak, V. P Alekseeva. Vysokom. soed 6 no. 4:745-750 Ap '64.

Processes and products of the interaction of high-molecular weight compounds with inorganic salts Part 3. Reaction of aqueous solutions of polyacrolein. I. V. Andreeva and others Radiokhimiia 6 no. 1 86-93 '64.

Talts, Erika. [Lectures on the chemistry of colloids] Kolloidkeemia loengud. Tallinn, Tallinna Polutehniline Instituut. [In Estonian]

Ch. 10. [High-molecular compounds and their solutions] Korgmolekulaarsed uhendid ja nende lahused. 1964. 30 p.

Unsaturated acids and macrocyclic lactones. Report No. 12: Synthesis of macrocyclic β-hydroxylactones. L. D. Bergel'son, IUl. G. Molotkovskii. Izv. AN SSSR. Ser. khim. no. 5;860-863 My '64.

MACROMOLECULAR COMPOUNDS—OPTICAL PROPERTIES

Effect of side radicals on the optical anisotropy and shape of macromolecules in solution. V. N TSvetkov, V. E. Bychkova. Vysokom. soed. 6 no. 4;600-604 Ap '64.

MADRAS—ECONOMIC GEOGRAPHY—MAPS

Economic Atlas of Madras State. K. A. Salishchev, G. V. Sdasiuk. Vest. Mosk. un. Ser. 5: Geog. 19 no. 3:100-101 My-Je '64.

MAGNALIUM—HARDENING

Forgeability of peened magnalium-type alloys. IU. P. Davydov, G. V. Pokrovskii, N. B. Kondrat'eva. Alium. splavy no. 3;300-312 '64.

MAGNESIUM—ANALYSIS

Complexometric determination of bismuth and magnesium in bicalin tablets. V. V. Bielikov, M. S. Shraiber, S. M. Bolotnykov. Farmatsev. zhur. 15 no. 4;10-14 '60.

MAGNESIUM—TESTING

Anomalies of magnesium properties. V. A. Samoilov. Trudy Inst. met. i obog. AN Kazakh. SSR 7;38-42 '63.

MAGNESIUM-ALUMINUM ALLOYS see Aluminum-magnesium alloys

MAGNESIUM-ALUMINUM-SILICON ALLOYS see Aluminum-magnesium-silicon alloys

MAGNESIUM-CADMIUM ALLOYS—METALLOGRAPHY

Changes in the structure of magnesium-cadmium alloys during ordering. K. K. Kasymbekova, V. D. Melikhov, A. A. Presniakov. Trudy Inst. met. i obog. AN Kazakh. SSR 7;30-35 '63.

MAGNESIUM HYDRIDES

Heat of formation of magnesium hydride. V. I. Pepekin and others. Zhur. fiz. khim. 38 no. 4;1024-1026 Ap '64.

MAGNESIUM ISOTOPES

Flotation method for analyzing the isotope composition of magnesium. V. S. Rylov. Zhur. fiz. khim. 36 no. 9: 1999-2004 S '62.

MAGNESIUM ORGANIC COMPOUNDS

Synthesis of organomagnesium compounds in a medium of formals. M. F. Shostakovskii and others. Zhur. ob. khim. 34 no. 3;760-762 Mr '64.

MAGNESIUM SULFATE CRYSTALS

Kinetics of dissolution of $MgSO_4 \cdot 7H_2O$ single crystals. E. B. Treivus. Zhur. fiz. khim. 38 no. 4;967-969 Ap '64.

MAGNETIC AMPLIFIERS

[illegible] of the magnetic amplifiers of VTI tempera- [illegible] V. V. [illegible] Energetik 12 no.5 [illegible] '64.

Calculation of magnetic amplifiers with feedback and [illegible] weight displacement. L. A. Gasparian. Trudy MEI no.39:241-256 '62

[illegible] of a magnetic circuit for a choke-coupled magnetic amplifier. R. A. Baryshnikova. Trudy MEI no.39:165-174 '62

[illegible] magnetic amplifier. M. A. Boiarchenkov. [illegible] no.3:27-29 Mr '64

[illegible] Prom. energ. 19 no.5:63-64 [illegible]

MAGNETIC ANOMALIES
(see also subdivision under Kola Peninsula)

[illegible] determination of the depth of the source of [illegible] field anomalies. I.G.Klushin, I.N.Tolstikhin. [illegible] 46 no.2:63-70 '63

MAGNETIC CIRCUITS

A.C. generators with permanent magnets using new types of magnetic materials. V. A. Balagurov. Trudy MEI no.39:207-231 '62

Bul', B. K. [Principles of the theory and design of magnetic circuits] Osnovy teorii i rascheta magnitnykh tsepei. Moskva, Izd-vo "Energiia," 1964. 463 p.

Calculation of the magnetic circuit of a synchronous machine. M. S. Mikhailov-Mikulinskii, S. N. Alekseev-Mokrov. Trudy MEI no.39:65-68 '62

Characteristics of magnetic devices with branched cores. Part 2. G. D. Kozlo. Avtom. i telem. 25 no.4:570-577 Ap '64.

Choice of a magnetic circuit for a choke-coupled magnetic amplifier. R. A. Baryshnikova. Trudy MEI no.39:165-174 '62

Information readout in a transfluxor used as an analog memory component. O.G.Kasatkin, M.A.Rozenblat. Avtom. i telem. 25 no.4:562-569 Ap '64

Insulation of the steel sheets of the magnetic circuit of [illegible]. S. V. Alekseev. Energetik 12 no.5 [illegible] '64.

MAGNETIC FIELDS

Effect of a magnetic field on creep of polycrystalline nickel. V. A. Fiamuk. Dokl. AN BSSR 8 no.4:228-230 Ap '64

Effect of deformation and a high magnetic field on the exciton absorption of light in CdS crystals. V. V. Eremenko, IU. A. Popkov. Fiz. tver. tela 6 no.4:1133-1140 Ap '64.

Effect of finite conductivity on the stability of a plasma in a magnetic field. S.S.Moiseev, R.S.Sagdeev. Zhur. tekh. fiz. 34 no.2:248-253 F '64.

Effect of magnetic fields on the decrease of incrustations in steam boilers. M.I.Voituv, I.I.TSapiv. Dokl. LPI 1 no.1/2:138-140 '63

[illegible] of a plasma in a space-periodical (undulating) magnetic field. R.A.Demirkhanov, T.I.Gutkin, T.R. S[illegible]enkov. Zhur. tekh. fiz. 34 no.2:266-268 F '64.

Kinetic instability in a magnetic field. R. V. Polovin. Zhur. tekh. fiz. 34 no.2:259-261 F '64.

Motion of dense plasma clots in the magnetic field of a toroidal solenoid. V. S. Voitsenia and others. Zhur. tekh. fiz. 34 no.2:280-287 F '64.

Particle losses and the configuration of a plasma stream when moving in a curvilinear magnetic field. G. M. Batanov, M.A Ivanovskii, I.S.Shpigel'. Zhur. eksp. i teor. fiz. 46 no.5:1915-1917 My '64.

Polarization of electrons in an inhomogeneous magnetic field. S.S.Sannikov. Zhur. eksp. i teor. fiz. 46 no.5:1761-1763 My '64.

MAGNETIC INSTRUMENTS

Plasma injection into a magnetic trap with opposing fields. I. M. Zolototrubov and others. Zhur. tekh. fiz. 34 no.2:352-354 F '64.

Theory of a channel composed of magnetic quadrupole lenses for producing pure μ-meson beams of different energy. N.K.Abrosimov and others. Zhur. tekh. fiz. 34 no.2:313-320 F '64.

Vertical focusing of an electron beam by cylindrical magnetic lenses in an axially symmetrical radially rising magnetic field. V. M. Kel'man and others. Zhur. tekh. fiz. 34 no.2:320-325 F '64.

MAGNETIC MATERIALS

Change in the magnetic resistance of ferromagnetics. I.G.Kikoin, T.N.Igosheva. Zhur. eksp. i teor. fiz. 46 no.5:1923-1925 My '64.

Domain structure of uniaxial ferromagnetics. Jan Kaczér. Zhur. eksp. i teor. fiz. 46 no.5:1787-1792 My '64.

Interrelation of specific dielectric and magnetic properties in "ferromagnetics." IU. IA. Tomashpol'skii, IU.N.Venevtsev, G.S.Zhdanov. Zhur. eksp. i teor. fiz. 46 no.5:1921-1923 My '64.

Orbital diamagnetism of conduction electrons in ferromagnetic metals. IU.M.Seidov. Dokl. AN Azerb. SSR 19 no.10:15-17 '63.

Setup for a lecture demonstration of a ferromagnetic hysteresis loop. G.A.Zabirov. Izv. vys. ucheb. zav.; fiz. no.2:178-179 '64.

MAGNETIC RECORDERS AND RECORDING

Automatic dictaphone. A. Rumiantsev. Radio no.5:32-34 40 My '64

Characteristics of multichannel recording devices with intermediate memory in pulsewise operation. G. I. Zabiiakin, G. A. Ososkov. Prib. i tekh. eksp. 8 no.6:73-77 N-D '63

Increase in magnetic field concentration in magnetic recording heads. B. N. Strel'tsov. Radiotekhnika 19 no.2:47-51 F '64.

Magnetic sound recording. L. TSyganova. Radio no.5:35-38 My '64

Many-track magnetic tape recording for pulse-height analysis. G. P. Zhukov, G. I. Zabiiakin, V. D. Shibaev. Prib. i tekh. eksp. 8 no.6:66-72 N-D '63

MAGNETIC RECORDERS AND RECORDING—INDUSTRIAL APPLICATIONS

Method of multichannel magnetic recording of slow processes. N.I.Solov'ev. Trudy MIKHM 25:279-285 '63.

MAGNETIC SEPARATION OF ORES

Dry magnetic ore dressing on high-speed drum separators. V.G.Derkach. Obog. rud. 8 no.4:3-9 '63

MAGNETIC SEPARATION OF ORES—EQUIPMENT AND SUPPLIES

Foreign rapid drum separators for the dry magnetic separation of iron ores. A. M. Levitskii. Obog. rud. 8 no.4:44-47 '63.

MAGNETISM, TERRESTRIAL
(see also subdivision under Arctic regions)

Eleven-year cyclic changes in magnetic perturbation. A.I.Ol'. Probl. Arkt. i Antarkt. no.16:55-62 '64.

Measurement with respect to time of the spatial gradients of short-period variations of the geomagnetic field. A. G. Kalashnikov. Izv. AN SSSR. Ser. geofiz. no.5:701-710 My '64

MAGNETISM, TERRESTRIAL—CONGRESSES

All-Union Conference on the Earth's Constant Magnetic Field and Paleomagnetism, held in Moscow. V. I. Bagin. Vest. AN SSSR 34 no.5:141-142 My '64.

MAGNETISM, TERRESTRIAL—MAPS see subdivision under Russian Platform

MAGNETITE

Some characteristics of the technological plan for dressing magnetite. M. I. Miagkov. Gor. zhur. no.11:52-57 N '63.

MAGNETIZATION

Transformer with stepless control of secondary voltage by varying the magnetic flux by means of a magnetic shunt. M. Z. Khamudkhanov, S. Z. Usmanov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no.1:9-13 '63.

MAGNETOHYDRODYNAMICS

Derivation of the equations for a magnetohydrodynamic boundary layer. M. V. Belubekian. Trudy LPI no.230:107-110 '64.

Electric field in a magnetohydrodynamic rectangular channel with nonconducting walls. S. A. Regirer. PMTF no.3:60-68 My-Je '64.

Longitudinal flow about a plate in the presence of a blowing of a conducting gas through the surface of the plate and of a magnetic field. IU. N. Smyslov. Trudy LPI no.230:54-58 '64.

Magnetic plasma and ion flow motors and d.c. generators. A.E.Kaplianskii, V.V.Dodotchenko, S.P.Kononov. Elektrichestvo no.5:88-91 My '64

Magnetoacoustic waves in a nonisothermal plasma. A. V. Bogdanov. Zhur. tekh. fiz. 34 no.2:254-258 F '64.

Method for measuring heat flows in a plasma. IU. V. Makarov, IU. A. Poliakov. Teplofiz. vys. temp. 2 no.2:170-175 Mr-Ap '64.

MAGNETORESISTANCE

Change in the magnetic resistance of ferromagnetics. I.G.Kikoin, T.N.Igosheva. Zhur. eksp. i teor. fiz. 46 no.5:1923-1926 My '64.

Magnetoresistance of alkali silicate glasses following gamma-irradiation. L.M.Beliavskaia, N.V.Terent'eva. Izv. vys. ucheb. zav.; fiz. no.2:160-170 '64.

MAGNETRONS

Anomalous noncompliance with Hull's cutoff condition in strong mutually opposed fields. M. M. Butusov, S. A. Fridrikhov. Zhur. tekh. fiz. 34 no.2:288-296 F '64.

MAGNETS

Effect of extraction conditions on the first three break systems on the output and quality of rye flour varieties. A. T. Supi unov. Trudy VNIIZ no.47:71-79 '63.

System for magnetizing permanent magnets. L. A. Pogu-ralov. Avtom. telem. i sviaz' 8 no.2:38-39 F '64

Using magnets for removing the impurities from flour at flour mills. P. I. Serdiukov, A. F. Safronova. Trudy VNIIZ no.47:81-89 '63.

MAGNITOGORSK—PORTLAND CEMENT

Experience in mastering the production of quick hardening portland cement and slag portland [illegible] at the Magnitogorsk Cement Plant. IU. N. [illegible], A. F. Merionova. Sbor. po obm. opyt. v [illegible] no.3:73-86 '60.

MAGNITOGORSK REGION—VEGETABLES—IRRIGATION

Sprinkler irrigation of vegetables and potatoes in the Magnitogorsk region. I. T. Kolesnikov. [illegible] 42:101-112 '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 18[illegible]

Poet and agitator. L. Denisova. Sov. obraz. [illegible] 42-43 Jl '63.

MAIBORODA, GEORGII ILLARIONOVICH

Singer of the Ukraine. IU. Malyshev. Sov. muz. [illegible] no.12:12-16 D '63.

MAIN RIVER—BRIDGES, CONCRETE

Bridge across the Main River. V. P. Kon[illegible]. [illegible] stroi. 14 no.3:15-16 Mr '64.

MAISKII, IVAN MIKHAILOVICH, 1884-

Akademiia nauk SSSR. Otdelenie istorii. [International relations, policy, diplomacy, from the 16th to the 20th century; papers dedicated to I. M. Maiskii on his 80th birthday] Mezhdunarodnye otnosheniia, politika, diplomatiia, XVI-XX veka; sbornik statei k 80-letiiu akademika I.M.Maiskogo. Moskva, Izd-vo "Nauka," 1964. 557 p.

I. M. Maiskii's 80th birthday. Nov. i noveish. ist. [illegible] 100-101 '64.

MAIZE see Corn (Maize)

MALARIA see subdivision under Irkutsk Province

MALAYA ALMAATINKA VALLEY—GLACIERS

Basic characteristics of the glaciation in the Malaya Almaatinka Basin. B. A. Savel'ev, R. G. Tulinov. [illegible] no.3:103-111 '63.

MALAYA ALMAATINKA VALLEY—RUNOFF

Formation of mudflows in the Malaya Almaatinka [illegible]. B. A. Savel'ev, R. G. Tulinov. Meteor. i gidr. [illegible] '63

MALAYSIA, FEDERATION OF—DESCRIPTION AND TRAVEL

On atlas. Malayala. I. Mikhailova. [illegible] 11 no.6:110-151 Je '61.

MALEIC ACID

Cyclic polymerization of diallyl maleate. I. A. Ar[illegible], S. A. Plotkina. Vysokom. soed. 6 no.4:[illegible]

Effect of arsenic on the catalytic and electrolytic [illegible]tion of crotonic and maleic acids on platinum. [illegible] Krasnikova, G. P. Khomchenko, T. [illegible], [illegible] Mosk. un. Ser. 2: Khim. 19 no.2:[illegible] Mr-Ap '64

Polarographic wave equations and the nature of the particles reduced at the electrode in the polarography of maleic acid. IA. I. Tur'ian. Zhur. fiz. khim. [illegible] no.9:2103-2105 S '63.

MALMYZH DISTRICT—CAPERCAILLIE

Biology of grouse, hazel grouse and capercaillie in the southern part of Kirov Province. V. I. Kuznetsov, [illegible] K[illegible]enberg. Ornitologiia no.6:117-125 '63

MALMYZH DISTRICT—GROUSE

Biology of grouse, hazel grouse and capercaillie in the southern part of Kirov Province. V. I. Kuznetsov, [illegible] K[illegible]enberg. Ornitologiia no.6:117-125 '63

MAMBETALIEVA, SONUN, 1934-1963

Sonun Mambetalieva; an obituary. Uzb. biol. zhur. [illegible] no.6:88 '63.

MAMMALS see subdivision under Yakutia

MAMMALS—PARASITES see Parasites—Mammals

MAMMALS, FOSSIL
(see also subdivision under Ryshkany District)

International Geological Congress, 22d, 1964. [Tertiary mammals] Tretichnye mlekopitaiushchie. Moskva, Izd-vo "Nauka," 1964. 57 p. (Its Doklady sovetskikh paleontologov. Problema 8)

MAN—INFLUENCE ON NATURE

Changes in the distribution and composition of avifauna of the Kabardino-Balkar A.S.S.R. under the influence of man. V.G.Ivanov, B.P.Chunikhin. Uch. zap. Kab.-Balk. gos. un. no.10:199-204 '61.

MAN, PREHISTORIC

Gerasimov, M. M. [Man of the Stone Age] Liudi kamennogo veka. Moskva, Izd-vo "Nauka," 1964. 157 p. plates.

MANGANESE—ANALYSIS

Determination of manganese by the persulfate method in the presence of different catalysts. N. P. Gaidarzhi. Pratsi Od. un. Zbir. stud. rob. 148 no.4:129-132 '58.

MANGANESE—PHYSIOLOGICAL EFFECT

Cobalt and manganese requirements of dairy cows in the forest-steppe zone of the Ukraine S. V. Panova. Nauch. trudy Nauch.-issl. inst. zhiv. Les i Pol. 32 45-53 '62.

MANGANESE CHLORIDES

Solubility in the system $FeCl_2$ - $MnCl_2$ - H_2O. A P Shchedrina, M. I. Ozerova, K. G. Khomiakov. Vest. Mosk. un. Ser. 2 Khim 19 no. 1.51-52 Ja-F '64.

MANGANESE-CHROMIUM ALLOYS see Chromium-manganese alloys

MANGANESE COMPOUNDS

Study of the solvation of the Mn^{2+} ion in formic acid by measuring spin relaxation of protons D. Geschke, H. Pfeifer. Zhur strukt. khim. 5 no 2 201-206 Mr-Ap '64.

MANGANESE COMPOUNDS—SPECTRA

Dependence of the width of electron paramagnetic resonance lines of the Mn^{2+} ion in aqueous solution on its concentration. A M. Vasil'ev. Zhur. fiz. khim. 38 no. 4:845-849 Ap '64.

MANGANESE IN THE BODY

Manganese content of blood in cattle on the farms of Smolensk Province. I. V. Petrukhin Trudy Smol NIVS no 2:140-147 '62

MANGANESE ORES

(see also subdivision under Chiatura region, Georgia; Nikopol' region, Ukraine)

Current problems in studying manganese deposits. D. G. Sapozhnikov. Geol. rud. mestorozh. 6 no. 2:85-91 Mr-Ap '64.

MANGANESE STEEL—ANALYSIS

Effect of manganese content on the resistance of steel to abrasive wear. M. A. Babichev, A. A. Velikanova. Metalloved. i term. obr. met no. 5:30, 35-37 My '64.

MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY

Preparing regions for prospecting drilling in southern Mangyshlak Peninsula. V V. Koz'modem'ianskii, A. M. Nurmanov. Neftegaz. geol. i geofiz. no. 4:14-17 '64.

MANNERS AND CUSTOMS

Good manners Nikolai Akimov Nach. shkola 32 no. 6: 15-40 Je '64.

MANOMETER

Improving techniques for investigating flowing wells with a DGM-4 differential deep-well manometer E S Iliukhin, A. U. Sagitov. Nauch -tekh. sbor. po dob. nefti no 18 92-96 '62.

MANUAL TRAINING

Changing the manual training program B S Golov Shkola i proizv 8 no 7:49 Jl '64

Do we need a new program? M. K. Solov'ev. Shkola i proizv. 8 no. 7:49-50 Jl '64.

Let's value the instruction time P. P. Mochalov. Shkola i proizv. 8 no. 7:88 Jl '64

Organizing the productive work in school workshops. V N. TSagaraev. Shkola i proizv. 8 no 7:44-45 Jl '64

Organizing the work in school workshops. S. V. Gusev. Shkola i proizv 8 no. 7:47-48 Jl '64

Technical work skills. G. I. Kril. Shkola i proizv. 8 no. 7:40-44 Jl '64

What a manual training program should be like K. S. Gorbatov. Shkola i proizv. 8 no 7:50-51 Jl '64

MANUAL TRAINING—EQUIPMENT AND SUPPLIES

Device for the exercises in hewing. K. K. Tkachenko. Shkola i proizv. 8 no. 6.74 Je '64.

Electrified stand for the elements of a drill. P. P. Mochalov. Shkola i proizv. 8 no. 6:75 Je '64.

Folding stand. A. V. Kartashov. Shkola i proizv. 8 no. 6:72 Je '64.

Lathe stand. M. P. Tiurin. Shkola i proizv. 8 no. 6:73 Je '64.

MANUFACTURERS see subdivision under Moscow

MANUFACTURES—PRICES

Kornienko, V. T. [Prices and consumers' demand; influence of price on consumers' demand, and the methodology of planning prices for consumers' good] TSeny i potrebitel'skii spros; voprosy vozdeistviia tseny na potrebitel'skii spros i metodologiia planirovaniia tsen na tovary narodnogo potrebleniia. Moskva, Ekonomika, 1964. 126 p.

MANUSCRIPTS

Manuscripts accessioned in 1961 and 1962. Zap. Otd. ruk. no. 26:207-394 '63.

MANUSCRIPTS, PERSIAN

Characteristics of the language of "Farsnameh." L. P. Smirnova. Krat. soob. Inst nar. Az. no 72:102-119 '63.

MANYCH-GUDILO LAKE REGION—BIRDS

More on the ornithofauna of Lake Manych-Gudilo V. A Minoranskii. Ornitologiia no 6.475-476 '63

MAPLE see subdivision under Kiev

MAPS, EARLY

Incunabula maps in the collection of the M E Saltykov-Shchedrin Public Library V V Kuznetsov Izv AN SSSR Ser geog no 3 78-88 '64

MARI A. S. S. R.—COLD STORAGE WAREHOUSES

New cooling system in the Cold-Storage Warehouse in Ioshkar Ola I. S. Badyl'kes, R. L. Danilov. Khol. tekh. 41 no. 2 5-8 Mr-Ap '64

MARINE ACCIDENTS

Executiveness in everything. A. Baranov Komm Vooruzh. Sil 4 no. 8:51-52 Ap '64

MARINE BIOLOGY—RESEARCH

(see also subdivision under White Sea)

Ninetieth anniversary of the Sevastopol Biological Station. V A. Vodianitskii. Trudy SBS 16 3-25 '63.

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Characteristics of the operation of marine diesel engines in the tropics. N. Veselov. Mor. flot 24 no. 3:28-30 Mr '64.

Osipov, L. L. [Systems for the remote control of main marine mechanisms; diesel engines] Sistemy distantsionnogo upravleniia glavnymi sudovymi mekhanizmami; dizeliami. Moskva, Izd-vo "Transport," 1964. 150 p.

MARINE DIESEL ENGINES—CORROSION

Additive VNII NP-III protects diesel engine fuel equipment against corrosion. N. Khomenko. Mor. flot 24 no. 3:15 Mr '64.

MARINE ECOLOGY

Organic secretions of sea macrophytes as a factor influencing the internal medium of offshore communities. K. M. Khailov. Trudy SBS 16:496-505 '63.

MARINE ENGINEERING

Selection of measuring elements for control systems. V. A. Strazhmeister, V. N. Shprintsin. Sudostroenie 30 no. 5:35-38 My '64.

MARINE ENGINEERING—TABLES, CALCULATIONS, ETC.

Analyzing the existing methods for the calculation of the screw-nozzle propeller complex E. I Stepaniuk, A. M. Chudnovskii. Trudy LIVT no. 45:27-43 '63

MARINE ENGINES

IUdovin, B. S. [Marine combination power plants with booster engines] Sudovye kombinirovannye ustanovki s forsazhnymi dvigateliami. Leningrad, Sudostroenie, 1964. 255 p.

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Automation of power plants on seagoing merchant ships] Avtomatizatsiia silovykh ustanovok morskikh transportnykh sudov. Leningrad, Izd-vo "Morskoi transport," 1963. 73 p. (Its Informatsionnyi sbornik, no. 99)

MARINE ENGINES—MAINTENANCE AND REPAIR

Internal combustion engine testing stations in ship repair plants. M. A. Fain. Sudostroenie 30 no. 5:49-51 My '64.

MARINE FAUNA

Vsesoiuznoe gidrobiologicheskoe obshchestvo. [Ecology of invertebrates in the southern seas of the U. S. S. R.] Ekologiia bespozvonochnykh iuzhnykh morei SSSR. Moskva, Izd-vo "Nauka," 1964. 156 p.

MARINE FLORA

Vsesoiuznoe gidrobiologicheskoe obshchestvo. [Marine flora resources and their use] Zapasy morskikh rastenii i ikh ispol'zovanie. Moskva, Izd-vo "Nauka," 1964. 90 p.

MARINE FOULING

Effect of bacterial film on the setting of diatoms. Z. S. Kucherova, IU. A. Gorbenko. Trudy SBS 16.443-446 '63.

Formation of bacterial film on plates covered with antifouling paints and submerged into sea water. IU. A. Gorbenko. Trudy SBS 16:447-452 '63.

Role of primary film in the mechanism of action of antifouling paint. A. Z. Shapiro. Trudy SBS 16:453-456 '63.

MARINE MICROBIOLOGY

(see also subdivision under Mediterranean Sea)

Formation of bacterial film on plates covered with antifouling paints and submerged into sea water. IU. A. Gorbenko. Trudy SBS 16:447-452 '63.

MARINE SEDIMENTS see subdivision under Atlantic Ocean; Azov, Sea of; Laptev Sea; Pacific Ocean

MARINE TURBINES

New type of engine for ships with underwater wings. IU. A. Bordovitsyn. Sudostroenie 30 no. 5:30-31 My '64.

MARITIME LAW

Certain problems in the judicial practice of the Maritime Arbitration Commission A. D. Keilin Sov gos. i pravo 34 no. 6 62-70 Je '64

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—BIRDS

Winter ornithofauna in the southwestern Maritime Territory A A Nazarenko Ornitologiia no 6 358-375 '63

MARITIME TERRITORY—DEATHWATCH BEETLES

A new species of deathwatch beetle of the genus Ptilinus (Coleoptera, Anobiidae) from the Maritime Territory. M. P. Persov. Ent. oboz. 43 no. 1 169 '64.

MARITIME TERRITORY—SOILS

Ivanov, G. I. [Soils of the Maritime Territory] Pochvy Primorskogo kraia. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1964. 105 p. (Nauchno-populiarnaia seriia)

MARKING DEVICES

New system of marking and sorting linen in laundries B. P. Nikitin Nov tekh zhil -kom khoz. Blagoustr gor. no 2.77-81 '62

MARKOV PROCESSES

Additive functionals of Markov processes and excessive functions M G Shur Izv AN SSSR Ser mat 28 no 1 123-146 Ja-F '64.

Time of emergence of a dynamic system from a given region under conditions of fluctuation. V. M. Honcharenko Dop. AN URSR no. 5 583-586 '64.

MARMOTS see subdivision under Aktyubinsk Province

MARMOTS—EXTERMINATION see subdivision under Virgin Territory

MARROW

Change in the submicroscopic structure of bone marrow cells in the early stages of radiation sickness induced by radioactive strontium. O. A. Khomutovskii Dokl. AN SSSR 156 no. 4:945-946 Je '64

MARX, KARL, 1818-1883

Gugushvili, P. V. [Karl Marx in Georgian journalistic writings and public opinion up to 1898] Karl Marks v gruzinskoi publitsistike i obshchestvennosti do 1898 goda. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 286 p.

K. Marx and F. Engels on the problem of war and peace. D. P. Ageev. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Filos. no. 5:105-126 '64.

"Karl Marx and Friedrich Engels in Koln, 1848-1849" by G. Becker. Reviewed by E. P. Kandel'. Nov. i noveish. ist. no. 2 149-152 '64.

Marx, Karl, and Friedrich Engels. [Collected works] Sochineniia. Izd. 2. Moskva, Politizdat.
Vol. 33. 1964. 788 p.

Problems of historical science in the works of K. Marx and F. Engels. N. E. Zastenkov. Vop. ist. 39 no. 6 3-26 Je '64.

MARY OASIS see Murgab Oasis

MASERS

Amplification of ultrasonic and hypersonic waves in crystals. A. A. Chaban. Akust zhur 10 no. 2 137-146 '64.

Radunskaia, I. L. [Masers] Mazery; kvantovye generatory. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike Seriia 9: Fizika, matematika, astronomiia, no. 2.

MASONRY

(see also subdivision under Turkmenistan)

Kazanskii, N. V., and L. F. Kuznetsov. [Masonry and furnace work] Kamennye i pechnye raboty. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 38 p. (Svoimi rukami)

MASS SPECTROMETRY

Excitation of ions formed in the ionization of molecules by electrons. IU. G. Sazhinov, S. E. Kuprianov. Zhur. fiz. khim. 36 no. 9:1960-1972 S '62.

Formation of N_3^+ and N_4^+ ions in a mass spectrometer. M. V. Tikhomirov, V. N. Komarov, N. N. Tunitskii. Zhur. fiz. khim. 38 no. 4:955-956 Ap '64.

Reconstruction of an isotopic mass spectrometer to make it suitable for chemical investigations IU. IA. Efremov, T. A. Bikbulatov, B IA Teitel'baum Prib i tekh eksp. 8 no. 6 180-181 N-D '63

Use of an omegatron in analyzing residual gases at low pressures. Z. M Turovtseva, L D Shevaleevskii. Prib i tekh eksp 8 no 6 128-134 N-D '63.

Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 1: On the possibility of identification of amino acids by characteristic peaks in esters of their acyl derivatives. V. G. Manusadzhian, IU. M. Varshavskii. Izv. AN Arm. SSR. Khim. nauki 17 no. 2:137-142 '64.

MASS SPECTROMETRY (Continued)

[illegible] method for studying the [illegible] of smaller peptides. Part 2 [illegible] of ethyl esters of N-acyl- [illegible] V. G. [illegible] Lonegra. IA. M. Arm [illegible] 17 [illegible] 2 145-155 '64

[illegible] method for studying the [illegible] of smaller peptides. [illegible] of amino alcohols. V. G. [illegible] IA. [illegible] Vrtoshiski. Izv. AN Arm SSR [illegible] 2 137-143 '64

MASS SPECTROMETRY—EQUIPMENT AND SUPPLIES

[illegible] meter for solids. I. L. Koval'skii. [illegible] 5 36-40 My '64

MASS TRANSFER

[illegible] solution of a nonlinear nonstationary problem of heat and mass transfer for a semibounded [illegible]. B. K. Vasilevskii. Teplofiz. vys. temp. 2 no. 2 [illegible]-266 Mr-Ap '64

Contents of the international journal "Heat and mass transfer", Vol 7, no. 5 125-127 My '64

[illegible] of a boundary layer on transfer processes. [illegible] Perel'man. Dokl AN BSSR 8 no 4 231-233 [illegible]

Effect of interface movement in capillary-porous and colloidal bodies on heat and mass transfer process during the sublimation of ice in a vacuum. K B. Gleina, R. I. Shefer. Inzh -fiz zhur. 7 no 5:34-38 My '64.

[illegible] of the moisture bond and the mass transfer potential in a hygroscopic region. I. M Nikitina. Dokl AN B[illegible] 8 no 4 225-227 Ap '64.

Investigating heat and mass transfer in the process of sublimation drying of liquid materials. A S. Ginzburg, M V Pod''iakii. Inzh -fiz zhur 7 no 5 28-33 My '64.

Kinetics of mass transfer in a vibrating movement of a solid in a liquid. I N. Fikiistov, G. A. Aksel'rud. Dokl. LPI no. 1/2 104-108 '63.

Use of the electrodiffusion method in studying the behavior of indium and antimony impurities in germanium. I. A Baderko. Fiz. tver tela 6 no. 4 986-991 Ap '64

MASS TRANSFER—BIBLIOGRAPHY see Bibliography—Mass transfer

MASSAGE

Monographic data on the effect of sports massage. V V [illegible] Teor i prak fiz kul't 27 no 2 45-48 F '64.

MATERIA MEDICA, VEGETABLE see subdivision under Korea, North, Turkmenistan

MATERIALS

Accounting for materials supplied by the customer. [illegible] Kanterman. Bukhg. uchet 21 no. 4 66-67 Ap '64.

Machine accounting for materials. N. Bryzgalin, A. Teplitskii. Bukhg. uchet 21 no 2 6-9 F '64.

Muskat, L. V [Teaching the science of materials for fitters and sanitary engineers in technical schools] Prepodavanie materialovedeniia dlia slesarei-santekhnikov v professional'no-tekhnicheskikh uchilishchakh; metodicheskoe posobie. Moskva, Proftekhizdat, 1963. 150 p

MATERIALS HANDLING

Overall mechanized storeroom. IU. A. Prokof'ev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no 5 53-55 My '64.

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp. no. 6 Je '64

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Mechanization of the operations for the removal of empty boxes. D. P. Bakhareva. Kons i ov. prom. 19 no. 4: 40 Ap '64.

Recommendations for the mechanization of lifting and transportation work in grocery stores. Sov. torg. 37 no. 1:53-60 Ja '64.

MATERNAL AND INFANT WELFARE—LAW AND LEGISLATION

Replies to our readers. Sov profsoiuzy 20 no. 11 47 Je '64

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

Solution of certain systems of work equations. IU. I. Khmelevskii. Dokl. AN SSSR 156 no. 4:749-751 Je '64.

MATHEMATICAL PHYSICS

"Mathematical methods in physics" by L. Schwartz. Reviewed by F. D. Gakhov. Zhur. vych. mat. i mat. fiz. 4 no. 1 207-208 Ja-F '64.

MATHEMATICAL SOCIETIES

(see also subdivision under Leningrad; Moscow)

Meetings of the Siberian Mathematical Society. M. A Taitslin. Usp mat nauk 19 no 2 207-208 Mr-Ap '64.

Meetings of the Ural'sk Mathematical Society. P G. Kontorovich. Usp mat nauk 19 no 2:209-223 Mr-Ap '64

MATHEMATICAL STATISTICS

An example of a formal use of mathematical statistics in geology. V. F Miagkov. Zap. Vses. min. ob-va 93 no. 2 241-244 '64.

Mathematical statistics in petroleum geology. L. F. Dement'tev. Geol. nefti i gaza 8 no. 3:18-21 Mr '64

Models of fluid media and solid bodies derived from a kinetic equation for an averaged field of force. M R. Korotkina. Vest Mosk un. Ser. 1 Mat., mekh. 19 no. 3:39-50 My-Je '64

Notes on certain uses of known propositions of mathematical statistics in the study of the distribution of reservoir permeability in a given set of observations. V. P. Pilatovskii. Nauch.-tekh. sbor. po dob nefti no 16 97-98 '62.

Random numbers transducer used for solving boundary value problems by mathematical statistics in the development of oil and gas reservoirs. O. V. IUdovskii. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 3:103-105 '64.

Using mathematical statistics to determine disproportion in gas consumption. I IA. Furman, V. A Pechelkin. Gaz prom 9 no 5 30-33 '64

MATHEMATICAL STATISTICS—TABLES, ETC.

Borovkov, A. A., N. P. Markova, and N. M. Sycheva. [Tables for N. V. Smirnov's criteria of the uniformity of two samples] Tablitsy dlia kriteriev N. V. Smirnova odnorodnosti dvukh vyborok. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 139 p.

MATHEMATICS

(see also subdivision under Ukraine)

Candidate dissertations. N. I. Morkovina. Usp. mat nauk. 19 no. 1 235-241 Ja-F '64

Defense of dissertations on mathematics. N. I. Morkovina. Usp mat nauk 19 no 2 251-252 Mr-Ap '64

[Higher mathematics] Augstakā matemātika. [By] N. Brazma un citi. Riga, Latvijas Valsts izd-ba, 1964. 390 p. [In Latvian]

[Mathematics; translations of foreign articles] Matematika, period. sbor. perev. inostr. st 8 no. 3 My-Je '64.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.: Mat. no. 6 Je '64.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—Mathematics

MATHEMATICS—CONGRESSES

Fifth All-Union Colloquium on Universal Algebra. M. I. Kargapolov. Usp. mat. nauk 19 no. 3 215-224 Ja-F '64.

MATHEMATICS—PHILOSOPHY

Problem of the application of hypotheses in mathematics and its history. M. N. Chechin. Uch. zap. Kazakh. un. 40:79-91 '59.

MATHEMATICS—STUDY AND TEACHING

Summer mathematics school at Kanev. IU. A. Mitropol'skii, IU. IU. Trokhimchuk. Usp. mat. nauk 19 no. 1 229-231 Ja-F '64.

MATHEMATICS—TABLES, ETC.

Makeev, F. I. [Tables of multiplication, division, and percentage calculation] Tablitsy umnozheniia, deleniia i protsentirovaniia. Moskva, Ekonomika, 1964. 305 p.

MATRICES

Bochek, I. A. [Program for calculating eigenvalues and eigenvectors of a symmetrical matrix] Programma vychislenii sobstvennykh znachenii i sobstvennykh vektorov simmetricheskoi matritsy. Moskva, 1964. 23 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2, no. 7)

Frequency matrix of relationships and its applications. V. A. Gorbatov. Trudy MEI no. 53:5-30 '64.

"Linear algebra and matrix theory" by E. D. Nering. Reviewed by V. N. Latyshev. Zhur. vych. mat. i mat. fiz. 4 no. 1:205 Ja-F '64.

Reduction of any matrice to the three-diagonal shape. V. N. Kublanovskaia. Zhur. vych. mat. i mat. fiz. 4 no. 3:544 My-Je '64.

MATSUEV, IVAN EFREMOVICH, 1902-

Professor I. E. Matsuev; on his 60th birthday. Khirurgiia 39 no. 8:135 Ag '63.

MATTER

Evolution of pregalactic matter. IA. B. Zel'dovich. Priroda 53 no. 6:25-28 '64.

MAXILLARY SINUS—AGING

Tanfil'ev, D. E. [Age-related characteristics of the antrum of Highmore] Vozrastnye osobennosti gaimorovykh pazukh. [Leningrad] Meditsina, 1964. 132 p. (Biblioteka prakticheskogo vracha)
(DNLM)

MAXIMA AND MINIMA

Direct and inverse problems of the algebraic minimax. V. D. Koromyslichenko. Zhur. vych. mat. i mat. fiz. 4 no. 1:15-22 Ja-F '64.

MAYMECHA VALLEY—SANDSTONE

Rheomorphic veins of liquefied sandstone, [illegible] sandstone, and tuffaceous sandstone dikes [illegible] Maymecha-Kotuy magmatic province in [illegible] A G. Zhabin, G. F. Cherepivskaia. Dokl AN [illegible] no. 4:851-854 Je '64

MAZUT

Effectiveness of burning mazut. A. D [illegible] others. Elek. sta. 35 no 1 66-71 [illegible] '64

Experience in burning crude oil. [illegible] Bulan[illegible] [illegible] sta. 35 no 1 85-86 Ja '64

Fuel oil economy of thermal electric power plants. [illegible] Spiridonov. Teploenergetika 11 no [illegible] My [illegible]

Gasification of high-sulfur heavy liquid fuel [illegible] sures up to 20 km with derivation of [illegible] V. S. Al'tshuler, G. V. Klirikov. Teploenergetika 11 no. 4:70-73 Ap '64.

Gasification of mazut under pressure. M. I. Derbaremdiker, K. L. Sorokoumikova, [illegible] Gaz. prom. 7 no. 6:14-16 '62.

Heating of steam boiler mazut. A. I. [illegible] Energetik 12 no. 5:28-30 My '64.

Joint burning of natural gas and high-sulfur mazut. [illegible] Gorin, A. L. Kovalenko. Elek sta. 35 no [illegible] '64

Methodology for designing duplex diaphragms for [illegible] ing mazut expenditure. V. I. Anishkhanin, [illegible] Elek. sta. 35 no 2 27-30 F '64

MAZUT—COMBUSTION

Dispersers for wet fuel oil. A. S. Kalashnikov, [illegible] Polivoda, N. V. Perahin. Sbor. po obm. opyt. v [illegible] prom. no. 1:58-60 '64.

MEALYBUGS see subdivision under Armenia; Fergana Valley

MEASLES VIRUSES

Hemagglutinating activity of measles virus. [illegible] dova and others. Vop. virus. no. 6:701-706 N-D '63

MEASURING INSTRUMENTS

Dunin-Barkovskii, I. V. [Principles of interchangeability and technical measurements] Osnovy vzaimozameniaemosti i tekhnicheskie izmereniia. Moskva, Izd-vo "Mashinostroenie," 1964. 304 p.

Give greater attention to the development of instruments for hydrodynamic investigations of reservoirs and wells. Neft khoz. 41 no 6 58-61 Je '63

Improving a nonmercurial unit for the investigation of UIPN-2 reservoir oils. A. I. Khuzin[illegible]. Mash. i neft. obor. no. 1:13-15 '64.

Transient response meter for studying fast physical processes. O. S. Kolotov, V. A Pogozhev. Prib. i tekh. eksp. 8 no. 6:98-102 N-D '63.

TSaplin, V. A., and A. F. Batalovskii. [Equipment for the measurement of metal hardness] Pribory dlia izmereniia tverdosti metallov. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p.

MEAT—PRESERVATION

Meat storage at temperatures near the cryoscopic. N. A Golovkin and others. Khol. tekh. 41 no. 2:10 Mr-Ap '64.

MEAT INDUSTRY—ACCOUNTING

"Analysis of the administrative operations of meat and dairy industry enterprises" by K. IAkovlev, G. Lazarevich. Reviewed by P. Evseev. Bukhg. uchet 21 no. 4 73-75 Ap '64.

MECHANICAL DRAWING

Pugachev, A. S. [Technical drawing] Tekhnicheskoe risovanie. Leningrad, Izd-vo "Sudostroenie," 1964. 143 p.

Puzanova, V. P. [Indication of length dimensions on part drawings] Prostanovka razmerov dliny v chertezhakh detalei. Moskva, Mashinostroenie, 1964. 103 p.

Serebriakov, A. A., K. A. IAnkovskii, and M. M. Pleshkin. [Mechanical drawing] Cherchenie. 7. izd. Moskva, Vysshaia shkola, 1964. 242 p.

Sokolovskii, M. S. [Drawing] Cherchenie. Izd. 2., ispr. i dop. Moskva, Vysshaia shkola, 1963. 109 p.

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Drafting boards from panels with chip filling. K. N. Liubimov, B. M. Orlov, G. A. Avsharov. Der. prom. 13 no. 6:22 Je '64.

MECHANICAL DRAWING—PROBLEMS, EXERCISES, ETC.

Blaus, A. [Exercises in mechanical drawing] Vingrinājumu krājums rasēšanā. Sbornik uprazhnenii po chercheniiu. Riga, Latvijas Valsts izd-ba, 1964. 177 p. [In Latvian and Russian]

MECHANICAL DRAWING—STUDY AND TEACHING

(see also subdivision under Odessa; Tashkent)

Editor's mail. Sred. spets. obr. 11 no. 4:63-64 Ap '64

MECHANICAL ENGINEERING

Let's improve the quality of methodological literature for correspondence students. L. I. Gidullanova. Sred. spets. obr. 11 no. 5:23-29 My '64.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see Bibliography—Mechanical engineering

MECHANICAL ENGINEERING—STUDY AND TEACHING

Degree projects and their adjustment to the needs of industry. I.I.Andreev, N.I.Gol'dman. Sred.spets. obr. 11 no.5:29-32 My '64.

Designing of devices during manual training classes. V.T.Tel'nov. Shkola i proizv. 8 no.6:36-38 Je '64.

Tolerance, settings and technical measurements IA B Maizlish Sred spets obr 11 no.4,13-18 Ap '64

MECHANICAL FANS see Fans, Mechanical

MECHANICAL MOVEMENTS

Letter to the editor. E.G.Vol'port. Vest. Mosk. un. Ser. 1:Mat., mekh. 19 no.3:87-89 My-Je '64

MECHANICAL MOVEMENTS—GRAPHIC METHODS

Processing motion graphs. K.T.Evlampiev. Trudy DVPI 56 no.1:27-35 '62.

MECHANICAL WEAR

Accelerated method of determining the wear of tooth gears. V.I.Boitsov. Stroi.i dor.mash. 9 no.5:22-24 My '64.

Causes of the wear of small-diameter casings. L.A. Karnaukhov, L B Izmailov Neft khoz 41 no 6 17-21 Je '63

Certain problems involved in the wear of the parts of a turbodrill pivot. IA.M.Kershenbaum, A.S.Lesin. Trudy MINKHGP 46:127-136 '64.

Effect of manganese content on the resistance of steel to abrasive wear. M.A.Babichev, A.A.Velikanova. Metalloved.i term.obr.met. no.5:30,35-37 My '64.

Increasing the durability of a bit-leg pin. N.N.Efremov. Trudy MINKHGP 46:119-126 '64.

Structural changes on the friction surface of contact wires and plates on pantographs. V.IA.Borent. Trudy TSNII MPS no.277:144-158 '64.

Volkov, IU.V., and Z.A.Volkova, and L.M.Kalgorodtsev. [Durability of machines operating in an abrasive medium] Dolgovechnost' mashin, rabotaiushchikh v abrazivnoi srede. Moskva, Izd-vo "Mashinostroenie," 1964. 114 p.

MECHANICS

(see also subdivision under Ukraine)

Dynamic calculation of plane frame systems. V.K. Kabulov. Izv.AN Uz.SSR.Ser.tekh.nauk 7 no.1:28-38 '63.

International symposium on the applications of the theory of functions in solid state mechanics. G.K.Mikhailov. Zhur.vych.mat.i mat.fiz. 4 no.3:611-613 My-Je '64.

[Mechanics; translations of foreign articles] Mekhanika; period.sbor.perev.inostr.st. 15 no.3 '64.

Reivik, H., and O.Silde. [Kinetic moment of systems; principal moment of momentum] Susteemi kineetiline moment; liikumishulkade peamoment. Tallinn, Tallinna Polutehniline Instituut, 1963. 100 p. [In Estonian]

The Second All-Union Congress on Theoretical and Applied Mechanics. O.I.Strel'byts'ka. Prykl.mekh. 10 no.3:343-345 '64.

MECHANICS—ABSTRACTS

[Mechanics] Ref.zhur.: Mekh. no.5 My '64.

MECHANICS—BOUNDARY VALUE PROBLEMS

Motion of a slender body in a liquid of variable depth. V.A.Eroshin. Vest.Mosk.un.Ser.1:Mat., mekh. 19 no.3:66-69 My-Je '64.

MECHANICS—CONGRESSES

Second All-Union Conference on Present-day Problems in Mechanics. S.V.Kalinin, G.K.Mikhailov. Vest. AN SSSR 34 no.5:142-144 My '64.

Second All-Union Conference on Theoretical and Applied Mechanics. S.V.Kalinin. Vest.Mosk.un.Ser.1:Mat., mekh. 19 no 3:90-91 My-Je '64.

MECHANICS, CELESTIAL

Duboshin, G.N. [Celestial mechanics; analytical and qualitative methods] Nebesnaia mekhanika; analiticheskie i kachestvennye metody. Moskva, Izd-vo "Nauka," 1964. 560 p.

MECHANISMS

Dynamic synthesis of plane four-joint mechanisms with a given law of motion and transmission angle. O.S. Dzhabbar. Izv.AN Uz.SSR.Ser.tekh.nauk 8 no.1:34-37 '64.

Structural and metric synthesis of plane hinged mechanisms by the harmonic analysis method. I.I.Kurbanov. Izv.AN Uz.SSR.Ser.tekh.nauk 8 no.2:37-40 '64.

MECHANISMS—DESIGN AND CONSTRUCTION

Design of mechanisms with lengthened service life. A.D.Nevskii. Izv.vys.ucheb.zav.; tekh.leg.prom. no.2:123-136 '64.

MEDIASTINUM—SURGERY

Fatty tumors of the mediastinum. V.L.Manevich. Khirurgiia 39 no.8:32-37 Ag '63.

MEDIASTINUM—TUMORS

Fatty tumors of the mediastinum. V.L.Manevich. Khirurgiia 39 no.8:32-37 Ag '63

MEDICAL BOTANY see Botany, Medical

MEDICAL CARE see subdivision under United States

MEDICAL COLLEGES see subdivision under Omsk; Perm

MEDICAL EMERGENCIES

Germanov, A.I. [Emergency therapeutic aid; a handbook] Neotlozhnaia terapevticheskaia pomoshch'; spravochnik. 3., perer. i dop. izd. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 318 p.
(DNLM)

MEDICAL GEOGRAPHY

(see also subdivision under Virgin Territory)

Geographical distribution of hemorrhagic fever with a renal syndrome. T.P.Povalishina, A.K.IAnkovskii. Zhur.mikrobiol., epid.i immun. 40 no.5:27-31 My '63.

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref.zhur.: Med.geog. no.6 Je '64.

MEDICAL INSTRUMENTS AND APPARATUS

Attachment for biopsy in flexible gastroscopes. P.A. Kanishchev. Nov.med.tekh. no.5:55-57 '61.

Impulse solar light from Bukhman's reflector in the treatment of some dermatoses. U.B.Berdybaev, K.D Gorina. Vest derm i ven. 37 no 9 43-46 S '63.

Medical equipment and apparatus produced by our industry. Nov.med.tekh. no.5:109-124 '61.

Mikulin's ionizer. M.H.IDna. Farmatsev.zhur. 15 no.4:33-35 '60.

NAPP-60, an intermittent current anesthetic apparatus. L.I.Nemerovskii, R.I.Gorokhovskaia. Nov.med.tekh. no.5:37-50 '61.

MEDICAL LABORATORIES

Voroshilova, M.K., V.I.Zhevandrova, and M.S.Balaian. [Methodology of laboratory diagnosis of enterovirus infections] Metody laboratornoi diagnostiki enterovirusnykh infektsii] Metody laboratornoi diagnostiki enterovirusnykh infektsii. Moskva, Meditsina, 1964. 151 p.
(DNLM)

MEDICAL LIBRARIES

Basias, L.IA. [Medical library and its goals] Meditsinskaia biblioteka i ee zadachi. Moskva, Izd-vo "Meditsina," 1964. 95 p.

MEDICAL MICROBIOLOGY

Matveev, K.I., and M.I.Sokolov, eds. [Manual on the microbiological diagnosis of infectious diseases] Rukovodstvo po mikrobiologicheskoi diagnostike infektsionnykh boleznei. Moskva, Meditsina, 1964. 682 p.
(DNLM)

Review, criticism and bibliography. Zhur.mikrobiol., epid.i immun. 40 no.6:145-155 Je '63.

[Specific prevention of particularly dangerous infections; a collection of scientific papers of antiplague institutions] Spetsificheskaia profilaktika osobo opasnykh infektsii; sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva, Meditsina, 1964. 383 p.
(DNLM)

MEDICAL MICROBIOLOGY—EQUIPMENT AND SUPPLIES

Use of a "microbiological harpoon" in the study of pathological material. V.O.Rozhdestvens'kyi. Nauk.prasti Zootekh.fak.Kam.'-Pod sil'hosp.inst. 5 36-37 '63.

MEDICAL MICROBIOLOGY—LABORATORY MANUALS

[Laboratory work in medical microbiology] Laboratoorsed tood meditsiinilises mikrobioloogias. [By] E.Tallmeister ja teised. Tallinn, Eesti Riiklik Kirjastus, 1964. 302 p. [In Estonian]
(DNLM)

MEDICAL MICROBIOLOGY—RESEARCH see subdivision under Perm

MEDICAL MICROBIOLOGY—TECHNIQUE

Agar imbedding for the determination of surface contamination of commonly used objects. L.I.Akel'son. Lab. delo no.2:113-115 '64.

Micromanipulator for work with unicellular cultures. Iosef Benedec. Lab.delo no.2:124-126 '64.

MEDICAL PERSONNEL

[Medical workers' reminiscences of V.I.Lenin] Vospominaniia medikov o V.I.Lenine. [Moskva] Meditsina, 1964. 234 p.

MEDICAL RESEARCH see subdivision under Omsk

MEDICAL SOCIETIES see subdivision under Omsk

MEDICAL TESTS

Use of the atropine test in the diagnosis of allergic diseases. L.M.Ishimova, Nguen Nang An. Sov.med. 27 no.10:62-66 O '63.

MEDICAL ZOOLOGY see Zoology, Medical

MEDICINE

Vsesoiuznoe nauchnoe istoriko-meditsinskoe obshchestvo. [Annals of the history of medicine; collection of papers] Annaly istorii meditsiny; sbornik trudov. Moskva, Medgiz, 1963. 150 p.

MEDICINE—ABSTRACTS

[Medical abstracts] Med.ref.zhur. sect.1 8 no.6 Je '64 Sect 3 8 no.7 Jl '64. Sect.4 8 no.6 Je '64. Sect.5 8 no.6 Je '64. Sect 6 8 nos.6-7 Je-Jl '64 Sect 7 8 no.6 Je '64. Sect.8 8 no.5 My '64. Sect.9 8 no.6 Je '64. Sect.10 8 no.6 Je '64 Sect 11 8 no.6 Je '64. Sect.12 8 no.6 Je '64. Sect 13 8 no.6 Je '64.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—BIOGRAPHY

Biographies of medical scientists in the second edition of the Large Medical Encyclopedia. S I.Shavtsov. Sov. med. 27 no.10:155-157 O '63.

MEDICINE—DICTIONARIES

[Large Medical Encyclopedia] Bol'shaia Meditsinskaia Entsiklopediia. Glav.red. A.N.Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia.

Vol. 34. Khlorofilly - Ekskokhleatsiia Izd. 2. 1964. 1296 columns.

___ ___ ___ [List of articles and terms for the letters "Kh," "TS," "Ch," "Sh," "Shch," "E"] Perechen' statei i terminov na bukvy "Kh," "TS," "Ch," "Sh," "Shch," "E," (tridtsat' chetvertyi tom) 4 p.

___ ___ ___ [Phonorecord to the article "Tuberculosis"] Gramofonnaia plastinka k stat'e "Tuberkulez," no.36.

MEDICINE—HISTORIOGRAPHY

Tasks of the All-Union Scientific Historicomedical Society in the light of decisions of the 22d Congress of the CPSU. M.I.Barsukov. Trudy Perm.gos.med inst. 43,13-23 '63.

MEDICINE—PERIODICALS

Levit, M.M. [Medical periodicals in Russia and the U.S.S.R., 1792-1962] Meditsinskaia periodicheskaia pechat' Rossii i SSSR (1792-1962). Moskva, Medgiz, 1963. 342 p.

MEDICINE—PHILOSOPHY

Gurvich, S.S., V.P.Petlenko, and G.I.TSaregorodtsev. [Problems of dialectical materialism; for lectures on philosophy for medical institutes] Voprosy dialekticheskogo materializma; k lektsiiam po filosofii dlia meditsinskikh institutov. Pod red. E.G.Fedorenko. Kiev, Gosmedizdat USSR, 1964. 361 p.

MEDICINE—STUDY AND TEACHING see subdivision under Perm; Perm Government; Siberia

MEDICINE, DOSIMETRIC

Example of estimating the focal and integral absorbed doses in combined radiotherapy of patients with cancer of the cervix uteri [with summary in English]. V.A. Petrov and others. Med.rad. 8 no.10:52-57 O '63.

MEDICINE, INDUSTRIAL see subdivision under Ural Mountain region

MEDICINE, MILITARY

Review, criticism and bibliography. Zhur.mikrobiol., epid.i immun. 40 no.6:145-155 Je '63.

MEDICINE, PREVENTIVE

Elimination of infections; apropos the article by Sh.D. Moshkovskii. B.R.Mariupol'skii. Zhur.mikrobiol., epid.i immun. 40 no.6:135-136 Je '63.

Elimination of infectious diseases. D.I.Drankin, A.I. Panaiotti, V.I.Slutskii. Zhur.mikrobiol.,epid.i immun. 40 no.6:136-140 Je '63.

MEDICINE, PSYCHOSOMATIC

X-ray studies in the clinic of nervous and mental diseases. M D.Gal'perin. Trudy Gos.nauch.-issl. psikhonevr.inst. 31:5-59 '63

MEDICINE, RURAL

(see also subdivision under Daghestan)

Organization of emergency surgical service for the rural population. I.I.Bachev. Sov.med. 27 no.10:102-105 O '63.

MEDICINE IN SPORTS see Sports medicine

MEDITERRANEAN REGION—PHOENICIANS

Phoenician colonization in the Mediterranean. M.L. Gel'tser. Vop.ist. 39 no.6:206 Je '64.

MEDITERRANEAN SEA—BENTHOS

Quantitative distribution of benthos in the eastern part of the Mediterranean Sea. V.D.Chukhchin. Trudy SBS 16:215-223 '63.

MEDITERRANEAN SEA—BIOTIC COMMUNITIES

Biocenoses associated with the aquatic plants of the Mediterranean Sea. E.B.Makkaveeva. Trudy SBS 16:201-210 '63.

MEDITERRANEAN SEA—FISHES—FOOD

Some data on the feeding habits of Trachurus larvae in the seas of the Mediterranean basin. V.I.Siniukova. Trudy SBS 16:202-208 '63.

of the Mediterranean basin in the summer, autumn and winter. M. N. Lebedeva, IU. A. Gorbenko, L. IA. Andshchenko. Trudy SBS 16:20-53 '63.

MEDITERRANEAN SEA—PERCH

Comparative characteristics of the feeding habits of Spicara smaris (L.) in the Mediterranean, Adriatic and Black Seas. N. IA. Lipskaia. Trudy SBS 16:300-322 '63.

MEDITERRANEAN SEA—SAUREL

Some data on the feeding habits of Trachurus larvae in the seas of the Mediterranean basin. V. I. Sinitukova. Trudy SBS 16:292-298 '63.

MEDVEDEV, OLEKSII VASYL'OVYCH, 1884-1938?

A tireless organizer of the masses; on the 80th anniversary of O. V. Medvedev's birth. T. M. Lof'ruk. Ukr. ist. zhur. 8 no. 2:113-116 Mr-Ap '64.

MELAMINE

Nature of the interaction of gelatin with trimethylolmelamine. D. A. Kutsidi, I. P. Strakhov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:101-105 '63.

Synthesis of herbicides. Part 1. Synthesis and the herbicide properties of dichlorotriazines. S. V. Dovlatian. Izv. AN Arm. SSR. Khim. nauki 17 no. 2:220-222 '64.

MELANOMA

Clinical X-ray characteristics of metastatic melanomas of bones. M. M. Mivhaskaia, L. L. Leper, L. L. Presman. Vest. rent. i rad. 39 no. 1:18-24 Ja-F '64.

MEMBRANES (CHEMISTRY)

Theory of a normal impact on a flexible membrane. IA. U. Saatov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 1:87 '64.

MENDELEEV, DMITRII IVANOVICH, 1834-1907

Dream that has come true. D. I. Mendeleev on efficient management of agriculture. A. A. Mokarenko. Priroda 53 no. 6:107-111 '64.

MENDELEVIUM

Extraction chemistry of fermium and mendelevium (TBP - HNO$_3$, TBP - HCl). I. Hmandahtes and others. Radiokhimiia 6 no. 1:26-36 '64.

MENINGITIS

Levi, M. I. [Lymphocytic choriomeningitis; acute serous meningitis] Limfotsitarnyi khoriomeningit, ostryi seroznyi meningit. Moskva, Meditsina, 1964. 235 p.
(DNLM)

MENSURATION

[EIKA; encyclopedia of measurements, control and automation] EIKA; entsiklopediia izmerenii kontrolia i avtomatizatsii. Moskva, Izd-vo "Energiia."
No. 2. 1964. 184 p.

Penza. Mashinostroitel'nyi tekhnikum. [Allowances, fits and technical measurements; manual for students of secondary specialized correspondence schools] Dopuski, posadki i tekhnicheskie izmereniia; uchebno-metodicheskoe posobie dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 17 p.

Volosov, S. S. [Technological and metrological fundamentals for precision in regulating dimensions in the manufacture of machinery] Tekhnologicheskie i metrologicheskie osnovy tochnosti regulirovaniia razmerov v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 276 p.

MENTAL ILLNESS

Ol'shevskaia, O. I. [Mental diseases; popular science essays] Psikhicheskie zabolevaniia; nauchno-populiarnye ocherki. Minsk, Izd-vo "Belarus'," 1964. 119 p. (Nauchno-populiarnaia literatura)

Ostapiuk, L. S., and T. S. Pevzner. [Care of mental patients and mental diseases] Ukhod za dushevnobol'nymi i psikhicheskie bolezni. Moskva, Meditsina, 1964. 174 p. (Biblioteka srednego medrabotnika)
(DNLM)

Results and prospects for the use of some methodologies for physiological research in a psychiatric clinic. N. P. Tatarenko, A. E. Liberman. Zhur. vys. nerv. deiat. 14 no. 2:351-357 Mr-Ap '64

Viazemskii, N. M. [Significance of a local lesion of the brain in the clinical aspects and pathogenesis of mental disorders] Znachenie mestnogo porazheniia golovnogo mozga v klinike i patogeneze psikhicheskikh rasstroistv. Moskva, Meditsina, 1964. 230 p.
(DNLM)

MENTAL ILLNESS—CLASSIFICATION

Some problems of the classification and nomenclature of mental diseases. K. Bolelugatsiani. Zhur. nevr. i psikh. 63 no. 6:898-903 '63.

[illegible]

MENTALLY HANDICAPPED [illegible]

[illegible]

MENTALLY ILL [illegible]

Ostapiuk, [illegible]

[illegible]

MENTHOL

[illegible]

[illegible]

MERCAPTANS [illegible]

[illegible]

MERCHANT MARINE

[illegible]

MERCHANT MARINE [illegible]

[illegible]

MERCHANT MARINE [illegible]

[illegible]

MERCHANT SEAMEN

[illegible]

MERCHANT SHIPS

[illegible]

MERCHANT SHIPS [illegible]

[illegible]

MERCHANT SHIPS [illegible]

[illegible]

MERCURIMETRY

[illegible]

MERCURY

[illegible]

MERCURY ARC RECTIFIERS

[illegible]

MERCURY ARC RECTIFIERS—[illegible]

[illegible]

MERCURY [illegible]—DIPOLE MOMENTS

[illegible]

[illegible]

METALWORKING MACHINERY

[illegible] tool. F G [illegible] [illegible] AN BSSR [illegible] 254-257 Ap [illegible]

METAMORPHISM (GEOLOGY)
(see also subdivision under Transcarpathia)

Semenenko, N.P. [Metamorphism of mobile belts] Metamorfizm podvizhnykh zon. Kiev, Izd-vo Akad. nauk USSR, 1963. 256 p.

METASOMATITE

[illegible] brittolite-al[illegible]nalite in the [illegible] metasomatites. V.S Levento[illegible] [illegible] 93 no.2 189-194 '64.

METASTASIS

Comparison of nonspecific defense reactions influencing the generalization of infections and metastatic spreading of tumors. N.V. Lazarev. Vop onk 8 no 11 20-28 '62.

Detection of tumor cells in the blood of patients with malignant tumors. L.IU.Dymarskii. Vop onk 8 no 11 116-122 '62

Surgical treatment of metastatic tumors of the lungs. B F Osipov. Khirurgiia 39 no.8:8-11 Ag '63

Two cases of ovarian disgerminoma. M.G.Trakhtenberg. Sov.med. 27 no 10 115-117 O '63.

METEORITES see subdivision under Podkamennaya Tunguska Valley

METEOROLOGICAL MODELS

Nonstationary one-dimensional model of a convective cloud. S.L.Lebedev. Dokl.AN SSSR 156 no.4, 806-809 Je '64.

METEOROLOGICAL OPTICS

Shadow of Elbrus ... in the evening sky. IU.A.Zhdanov, A.D.Zamorskii. Priroda 53 no.6 115-116 '64.

METEOROLOGICAL PHOTOGRAPHY

Method for calculating the distribution of the snow cover in mountains from aerial photographs and air temperatures. IU M Denisov. Izv AN Uz SSR Ser tekh nauk 7 no.5 73-77 '63

METEOROLOGY

Structure of the boundary layer of the atmosphere under nonstationary conditions Part 2 G Kh TSeitin Trudy GGO no 144 150-177 '63

Transformation of the temperature and moisture fields and the characteristics of turbulence E D Nadezhina Trudy GGO no 144 196-201 '63

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—OBSERVATIONS see subdivision under Tviberi Glacier

METEOROLOGY—TABLES, ETC.

Mirovoi TSentr dannykh MGG B. [Final catalog of the available data on meteorology for the period of the IGY-IGC] Okonchatel'nyi katalog nalichiia dannykh po meteorologii za period MGG-MGS. Moskva, NIIAK.

———— [Supplement to...] Dopolnenie k... 1964. 32 p.

METEOROLOGY, AGRICULTURAL

Agrometeorological forecasting M.S Kulik Zemledelie 26 no 2 5-12 F '64.

At the service of agriculture. N.Zhukova, G.Makat'. NTO 6 no.3 48-49 Mr '64.

METEOROLOGY, MARITIME

Meteorological navigation. V.Lifshits. Mor.flot 24 no.3 42-44 Mr '64.

METEOROLOGY IN AERONAUTICS
(see also subdivision under Kazakhstan; Tashkent)

Aerosynoptic conditions governing the height of the upper boundary of clouds on the route from Tashkent to Moscow. I.V.Bugaeva, N.N.Romanov. Trudy Sred.-Az.nauch -issl.gidrometeor inst. no.10:86-115 '63.

Analysis of a series of crew reports on TU-104 airplane bumping. N.N.Romanov. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10;3-50 '63.

Baranov, A M. [Front clouds and flight conditions through them] Frontal'nye oblaka i usloviia poletov v nikh. Leningrad, Gimiz, 1964. 237 p.

Dislocation of the axis of the planetary upper frontal zone. E.S.Il'inova. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10:135-142 '63.

Meteorological conditions governing the formation of low cloudiness on the airway from Tashkent to Fergana. Z.G.Emm. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10:163-175 '63

Possibilities of evaluating the weather forecasting of aviation routes based on observations of airplane crews. I.V.Bugaeva, N.N.Romanov. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10:61-66 '63.

Preliminary analysis of a series of cases of heavy bumping and casting of TU-104 and IL-18 airplanes. A.F.Abramova, V.A.Dzhordzhio, N.N.Romanov. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10:51-60 '63.

Reasons for TU-104 airplane bumping on the route from Tashkent to Moscow in September 19, 1961. M.V.Burkova. Trudy Sred.-Az.nauch.-issl gidrometeor.inst no.10:202-205 '63

Some general data on the upper boundary of clouds in high aviation routes, based on observations of airplane crews. I V.Bugaeva, N.N.Romanov. Trudy Sred.-Az.nauch.-issl gidrometeor inst. no.10:116-123 '63.

Suggestions for determining the height of the lower boundary of clouds in the upper layer. IA.A Borzykh. Trudy Sred -Az.nauch.-issl.gidrometeor.inst. no.10:184-193 '63

Synoptic and statistical characteristics of the conditions governing flight as related to the clouds. N.N.Romanov, I.V.Bugaeva Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.10:67-87 '63.

Synoptic conditions governing the formation of low cloudiness on the airway from Tashkent to Fergana and the possibility of forecasting it. Z.G Emm. Trudy Sred.-Az nauch.-issl gidrometeor.inst. no.10:151-162 '63.

Weather observations during the flight on the Tashkent-Termez-Kabul route in November 11-12, 1957. M.V. Burkova. Trudy Sred.-Az nauch.-issl.gidrometeor.inst. no.10:206-207 '63.

METHACRYLIC ACID

Carbochain polymers and copolymers. Part 54: Polymerization of methyl methacrylate in the presence of n-butylboryl difluoride. A.S.Maloshitskii, G.S.Kolesnikov, T.P.Malinovskaia. Vysokom.soed. 6 no.5 957-961 My '64.

Carbonium copolymerization of dimethacrylate-(bis-triethylene glycol) phthalate with styrene. T.E. Lipatova, V.M.Siderko. Vysokom.soed. 6 no.5: 910-914 My '64.

Composition inhomogeneity and fractionation of styrene copolymer with methyl methacrylate. V.E.Eskin and others. Vysokom.soed. 6 no.5:896-900 My '64.

Determination of the composition of methacrylate copolymers by means of infrared spectroscopy. E.I.Pokrovskii. Vysokom.soed. 6 no.4:642-646 Ap '64.

Effect of colloidal cadmium and zinc on the kinetics and mechanism of the initial stage of block polymerization of methyl methacrylate. A.D.Stepukhovich, V.A. Malanin, E.A.Rafikov. Vysokom.soed. 6 no.4: 695-698 Ap '64.

Effect of kaolin on the properties of polymethyl methacrylate and polystyrene. IU.G.Tarasenko, I.A. Uskov, V.P.Solomko. Ukr.khim.zhur. 30 no.1:86-90 '64.

Polymer analog conversions of a graft copolymer of cellulose and polyglycidyl methacrylate. E.F.Sharkova, A.D.Virnik, Z.A.Rogovin. Vysokom.soed. 6 no.5 951-956 My '64.

Polymerization kinetics of glycidyl methacrylate. I.M. Kochnov, M.F.Sorokin. Vysokom.soed. 6 no.5.791-797 My '64.

Relative activities of monomers in the copolymerization of glycidyl methacrylate with styrene. Vysokom.soed. 6 no.5 798-802 My '64.

Zone melting of methyl methacrylate. A.G.Anikin and others. Zhur.fiz.khim. 36 no.9:2074-2075 S '62.

METHANE

Critical rates of a break-away flame of methane-oxygen mixtures. A.M.Zeliznyi. Dokl.LPI 5 no.1/2:78-83 '63.

Reaction of di-, tri-, and tetrachloromethanes with metallic lithium. A new technique of chlorocarbene production. O.M.Nefedov, A.A.Ivashenko. Dokl.AN SSSR 156 no.4:884-887 Je '64.

Reduction of phosphates by natural methane. IA.P. Berkman, A.I.Klimovich. Dokl.LPI 5 no.1/2:130-133 '63.

Size of the reaction zone during the autothermal conversion of methane to acetylene. A.M.Zeliznyi. Dokl. LPI 5 no.1/2.65-71 '63.

Solubility of mixtures of helium and methane in water at high pressures A.IU.Namiot, M M.Bondareva. Nauch.-tekh.sbor.po dob.nefti no.16:82-90 '62.

Standard enthalpy of formation of chlorotrifluoromethane and dichlorodifluoromethane. V.P.Kolesov, I.D.Zenkov, S.M.Skuratov. Zhur.fiz.khim. 36 no.9:2082-2084 S '62.

State of small additions of nitromethane in aqueous solutions of sulfuric and hydrochloric acids. IU.L. Khaldna and others. Zhur.fiz.khim. 38 no.4:863-870 Ap '64.

Thermal pyrolysis of methane in a regeneration furnace V B.Berkovich, S A Gordon Gaz.prom 7 no 2 33-36 '62.

METHANE—TRANSPORTATION

Technical and economic problems in the transportation of liquefied methane in tankers. Gaz.prom 7 no.2:54-55 '62

METHANOL

Cyclic polymerization and copolymerization. Part 23: Radical polymerization of dimethylvinylethinylcarbinol. S.G.Matsoian, N.M.Morlian. Vysokom.soed. 6 no.5: 945-950 My '64.

METHANOL—DIPOLE MOMENTS

Dipole moments of vinylethynylcarbonols. N.M. Kocharian, S.T.Barsamian, V.N.Pikalova. Dokl. AN Arm.SSR 38 no.5:295-299 '64.

METHYL GROUP

Catalytic demethylation of methylnaphthalenes. A. A. Krichko, L.S.Sovetova. Neftekhimiia 4 no.1 11-1[illegible] Ja-F '64

METHYL SYSTOX

Experimental basis for the permissible concentration of methyl systox in bodies of water. K.I.Akulov. [illegible] okhr.vod.ot zagr.prom.stoch.vod. no.5:107-1[illegible]

METHYLENE BLUE

Hydrotubation with methylene blue solution as a method of diagnosing female sterility. P.P.Pashchenko. Akush.i gin. no.1:35-38 '63.

Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No. 2. Photodynamic effect of methylene blue on the toxin of Clostridium perfringens. R M.Bunkus. Trudy Irk. IEG no.5 [illegible] 187 '60.

Photodynamic effect of methylene blue on the toxins of gas gangrene agents. Report No. 3. Photodynamic effect of methylene blue on the toxin of Clostridium histolyticum. R M Bunkus. Trudy Irk IEG no.5 [illegible] 175 '60.

Photodynamic effect of methylene on the toxins of gas gangrene agents. Report No. 4. Influence of the photodynamic action of methylene blue on the detoxication of the Clostridium septicum toxin. R.M Bunkus. Trudy Irk IEG no 5,176-180 '60

METRAZOLE

Effect of some pharmacological substances on the electrical activity of the cerebral cortex in ontogenesis. T.D. Dzavrishvili. Trudy Inst.fiziol.AN Gruz.SSR 13:77-[illegible] '63.

MEXICO—FOREIGN RELATIONS—FRANCE

Editorial comment. Nov.vrem. 31 no.13:1-4 Mr '64

MEXICO—HISTORY

Unfounded attack against Soviet Latin American studies. L.IU.Slezkin. Nov.i noveish.ist. no.1:177-178 '64

MEXICO—SPANISH COLONY, 1540-1810

People's revolts in Mexico in the second half of the 17th century [with summary in English, p. 204]. O.I.[illegible] Nov.i noveish.ist. no.1:67-72 '64.

MEZEN VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Quaternary sediments in the upper Mezen'. E.I.Loseva. Izv.Komi.fil.Geog.ob-va SSSR no.8:15-22 '63.

MICA

New synthetic minerals of the mica group. M.P. Parkhomenko, Z.O.IAremenko, S.H.Tresviats'kyi. Dop.AN URSR no.5:624-627 '64.

MICA CRYSTALS—ELECTRIC PROPERTIES

Kinetics of adsorption films on the surfaces of freshly cleaved mica crystals and their electroconductivity. Part 1. V.D.Perevertaev, M.S.Metsik. Izv.vys.ucheb.zav.; fiz. no.2:77-83 '64.

MICE—PARASITES see Parasites—Mice

MICE AS LABORATORY ANIMALS

Oncological characteristics of a new line of laboratory mice DBR. A.M.Diad'kova, E.A.Lotosh. Vop.onk. 8 no.11:46-47 '62.

MICELLES—ELECTRIC PROPERTIES

Concentration dependence of the dielectric properties of micelles. S.N.Kolesov. Izv.AN Uz.SSR.Ser.tekh.nauk 8 no.1:23-27 '64.

MICKIEWICZ, ADAM, 1798-1855

Reflection of Russian folklore in A. Mickiewicz's "Pan Tadeusz." Leszek Kukulski. Rus.fol'k. 8:75-80 '63.

MICROBACTERIUM—CULTURES AND CULTURE MEDIA

Use of various carbon sources by some oligonitrophic micobacteria. N.P.L'vov. Dokl.TSKHA no.84:287-292 '63.

MICROBIOLOGICAL RESEARCH

Session of the Scientific Coordination Council. V.K. Eroshin. Mikrobiologiia 32 no.4:739 Jl-Ag '63.

MICROBIOLOGY—AUDIO-VISUAL AIDS

Experience in the use of television microscopy for the demonstration of micro-organisms. M.P.Zykov, L.N. Bakinova. Zhur.mikrobiol.,epid.i immun. 40 no.6: 64-68 Je '63.

MICROBIOLOGY—BIBLIOGRAPHY see Bibliography—Microbiology

MICROBIOLOGY—CONGRESSES

Brief news. V.I.Vashkov. Zhur.mikrobiol.,epid.i immun. 40 no.6:156 My '63.

Brief news. Zhur.mikrobiol.,epid.i immun. 40 no.6: 156-157 Je '63.

Second Congress of the All-Union Microbiological Society. A.B.Lozinov. Mikrobiologiia 32 no.4:740-741 Jl-Ag '63.

MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Fate of bacterial cultures in the organism of fleas V.E.Tiflov. Mat k pozn fauny i flory SSSR, Otd. zool no 39;131-198 '64

Metabolic utilization of the alkaloid salsoline by micro-organisms IU.S Nabokov, M.N Samsonova, IE.H. Pushkar Farmatsev zhur. 14 no.4,62-64 '59.

Using the "adaptation through the spore" method in the induced mutation in microbes V O Rozhdestvens'kyi Nauk prastı Zootekh fak Kam '-Pod sil'hosp inst 5 38-40 '63

MICROBIOLOGY—EQUIPMENT AND SUPPLIES

Use of the "microbiological correcting screen" in the study of the bactericidal properties of solar radiation V O Rozhdestvens'kyi Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 34-35 '63

MICROBIOLOGY—TECHNIQUE

Changes of L-form microbes and their resistance during storage at various temperatures, K.P.Shakhovskii. Zhur. mikrobiol., epid. i immun. 40 no.10:105-109 O '63.

MICROCHEMISTRY

Microdetermination of phosphohexose isomerase (glucosophosphate isomerase) in the serum and the clinical significance of its examination in infectious hepatitis. L.L.Gromashevskaia, E M Mironova Lab.delo no.2;77-80 '64.

Specific semimicroreactions for some pharmaceutical preparations. H.A.Vaisman, L I. Rapaport, O.M. Kohan. Farmatsev zhur. 16 no 1 9-11 '61

MICROMETER

Photoelectric spiral micrometer for limb readings. A.A.Lfimov. Astron. zhur. 41 no.3 559-566 My-Je '64.

MICRO-ORGANISMS

Transformation of substances by micro-organisms. A.S.Vechar. Vestsi AN BSSR.Ser biial.nav. no.1: 65-75 '64.

MICRO-ORGANISMS, EFFECT OF DRUGS ON

Results of the treatment of pyodermitis with the determination of pyococcal sensitivity to antibiotics. S.M Kriger, A I Poliakov. Vest. derm. i ven 37 no.6;64-65 Je '63.

Simplified method for determining the sensitivity of microorganisms to antibiotics. R.S.Shershevskaia, T.A.Kovalenko, M I Tartakovskaia Lab.delo no.2: 115-116 '64.

MICRO-ORGANISMS, EFFECT OF RADIATION ON

Use of the "microbiological correcting screen" in the study of the bactericidal properties of solar radiation V.O.Rozhdestvens'kyi Nauk.pratsi Zootekh fak Kam '-Pod sil'hosp.inst 5 34-35 '63.

MICRO-ORGANISMS, NITROGEN-FIXING

Effect of microelements on the activity and virulence of alfalfa nodule bacteria. T.M.Melkumova, Zh M Gazaichian. Dokl.AN Azerb.SSR 20 no.2 53-57 '64

MICROSCOPE

Biological microscope in physical metallurgy. N.A Achkasov, V. Z. Babanskii Shkola i proizv. 8 no.7; 63-65 Jl '64.

MICROSCOPY—HANDBOOKS, MANUALS, ETC.

Semenov, S. P., I.G. Urazov, and T.I. Entin. [Manual for practical work in general histology with elements of microscopic anatomy] Posobie k prakticheskim zaniatiiam po obshchei gistologii s elementami mikroskopicheskoi anatomii. [Leningrad] Izd-vo Leningr. univ., 1964. 67 p.

MICROSEISMS

Beats in microseisms of soils caused by the swell of the sea. V.P.Kuznetsov. Dokl.AN Azerb SSR 20 no.2:43-46 '64.

Selecting the optimum characteristics of apparatus in recording the head waves emanating from the crystalline basement T.G Ivanova, IU I. Vasil'ev. Izv AN SSSR Ser.geofiz. no.5;636-653 My '64.

Structure of short-period microseisms. L P.Vinnik, N M Pruchkina. Izv AN SSSR.Ser.geofiz no.5,688-700 My '64.

MICROSPORIDIA

Effect of microsporidiosis on the diapause and survival of the ichneumon fly Spanteles glomeratus L. (Hymenoptera, Braconidae) and the cabbage butterfly Pieris brassicae L (Lepidoptera, Pieridae). I.V.Issi, V.A. Maslennikova Ent.oboz. 43 no.1;112-117 '64

MICROWAVE MEASUREMENTS

Small television pulse oscilloscope. A.S.Vladimirov, IU.A.Polianskii. Elektrosviaz' 18 no.4:61-67 Ap '64.

MICROWAVES

Bernshtein, E.A., and N.K.Rudiachenko. [Pulse-type radio transmitting devices; their calculation and design] Impul'snye radioperedaiushchie ustroistva; proektirovanie i raschet. Izd.2., stereotipnoe. Kiev, Izd-vo "Tekhnika," 1964. 247 p.

Experiments with microwaves. A.V.Bulgadaev, E.M. Khomiak. Priroda 53 no.6:112-113 '64.

Mikhalevskii, V.S. [Principles of the theory of superhigh-frequency delay systems] Elementy teorii sverkhvysokochastotnykh zamedliaiushchikh sistem. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964. 187 p.

Quasi-optical methods of the formation and transmission of microwaves. B.Z.Katsenelenbaum. Usp.fiz.nauk 83 no.1;81-105 My '64.

MICRURGY

Methods of the preparation of minute objects, modification of the Harding laboratory microdissector. V.S. Shuvalov. Ent.oboz. 43 no.1;224-229 '64.

MIDDLE AGES see subdivision under Europe

MIDDLE EAST see Near East

MIDDLE URAL ECONOMIC REGION—CAPITAL

We are transferring to new norms D.Kononov. Fin. SSSR 38 no 5·44-46 My '64

MIDDLE URAL ECONOMIC REGION—INDUSTRIAL MANAGEMENT

The department of labor organization and its rights and duties. B.Antonov. Sots.trud 9 no.5;42-49 My '64.

MIDDLE URAL ECONOMIC REGION—IRON AND STEEL PLANTS—LABOR PRODUCTIVITY

Increase of labor productivity in iron plants of the Middle Ural Economic Council. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4;68 Ap '64.

MIDDLE URAL ECONOMIC REGION—LABOR AND LABORING CLASSES

The department of labor organization and its rights and duties. B.Antonov. Sots.trud 9 no.5;12-19 My '64.

MIDDLE URAL ECONOMIC REGION—MACHINERY INDUSTRY—PRODUCTION STANDARDS

Exchange of progressive practice in establishing technical norms in the Middle Ural Economic Region. Sots.trud 9 no.5;94-95 My '64.

MIDDLE URAL ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS

Activity of the technical and economic councils of the Middle Ural Economic Region. I.N.Bagrov, V.P. Strizhov. Biul.tekh.-ekon inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.5·67-70 My '64.

MIGRAINE

X-ray diagnosis of cervical migraine. A.IU.Ratner. Vest.rent.i rad. 38 no.6,23-27 N-D '63.

MILDEW

Results of the use of organic fungicides for controlling the grape powdery mildew Uncinula spiralis (Schw) Burr. O.G Kuparashvili Soob.AN Gruz.SSR 30 no.3 319-321 Mr '63

MILI STEPPE see Kura Lowland

MILITARISM

From the history of the development of the reactionary ideology of militarism in bourgeois sports V V.Stolbov Teor.i prak.fiz.kul't. 27 no.2·7-11 F '64.

MILITARY ART AND SCIENCE

At the level of modern demands. A.Beloborodov. Voen. vest. 44 no.6;7-11 Je '64.

Classification scheme for "Military science." G.P. Zakharov, A.A.Panov. Trudy Bibl.AN SSSR 7;22-34 '63.

Laws of dialectics and military science. B.Demidov. Komm.Vooruzh.Sil 4 no.9;91-93 My '64.

Sibilev, M.U. [V.I. Lenin's legacy to Soviet soldiers] Zavety V.I. Lenina sovetskim voinam. Moskva, Voenizdat, 1964. 176 p. (Molodomu soldatu i mastrosu o voinskoi sluzhbe)

Struggle of the new with the old in the development of military affairs. I.Kuz'min. Komm.Vooruzh.Sil 4 no.8;40-45 Ap '64.

Taking into consideration the characteristics of modern combat. I.Semiokhin. Komm.Vooruzh.Sil 4 no.9 46-50 My '64.

A useful book. L.Druzhkin. Tekh.i vooruzh. no.1;93 Ja '64.

MILITARY ART AND SCIENCE—BIBLIOGRAPHY see Bibliography—Military art and science

MILITARY ASSISTANCE, AMERICAN see subdivision under Vietnam, South

MILITARY BASES—WATER SUPPLY

Organization of the water supply of troops on the Transbaikalian front in the Khingan-Mukden operation. A.TSirlin. Voen.-ist.zhur. 5 no.5:36-48 My '63.

MILITARY BASES, AMERICAN see subdivision under Great Britain

MILITARY BRIDGES

Bridge from prepared elements; a tactical and special-purpose exercise. V.Gazetov. Voen.vest. 44 no.6: 93-96 Je '64.

A two-track bridge. P Matiukhin. Voen.vest. 43 no 5 93-95 My '64.

MILITARY COMMUNICATIONS see Communications, Military

MILITARY DEMOLITION see Demolition, Military

MILITARY DISCIPLINE

Russia (1923- U.S.S.R.) Ministerstvo oborony. [Disciplinary regulations of the Armed Forces of the Union of the S S R.] Distsiplinarnyi ustav Vooruzhennykh Sil Soiuza SSR. Moskva, Voenizdat, 1964 47 p.

MILITARY EDUCATION

(see also subdivision under Bogodukhov, Kharkov Province; Leningrad; Odessa Province; Pavlovskiy Posad, Moscow Province; Ul'yanovsk)

Atheistic education of soldiers is a problem of great significance. I.Kazachkov. Komm.Vooruzh.Sil 4 no.8;30-34 Ap '64.

Combined-arms training in a special school. IU.Dostal'. Voen.vest. 44 no.6;68-70 Je '64.

A guarantee of success is in the unity of training and education D Tantsura. Voen.vest 43 no.5;52-56 My '64.

Party organization and technical training. N. Egorov. Tekh.i vooruzh. no.1 4-8 Ja '64

Persistently inculcate into the training process everything new and advanced. A.Babadzhanian. Komm.Vooruzh. Sil 4 no.8;16-22 Ap '64.

Seniors and juniors. V.Komissarov. Voen.vest. 44 no.6;42-45 Je '64.

To a new level. B.Zatylkin. Tekh.i vooruzh. no.1,8-10 Ja '64.

Training aid for technical classes. E.Kozlovich Tekh.i vooruzh. no.1;44-46 Ja '64.

What is lacking in a useful book? Komm.Vooruzh.Sil 4 no.8;87-90 Ap '64.

MILITARY EDUCATION—PROGRAMMED INSTRUCTION

This is necessary today. N.Man'kov. Tekh.i vooruzh. no.1 70-71 Ja '64.

MILITARY EDUCATION—TECHNOLOGICAL INNOVATIONS

Student innovators. I.Pavlov. Tekh i vooruzh. no.1: 78-79 Ja '64.

MILITARY ENGINEERING

How we conduct an inspection of engineer equipment V.Navler. Voen.vest. 43 no.5:95-96 My '64.

New engineer construction machines. Tekh.i vooruzh. no.1 04-05 Ja '64.

MILITARY HISTORY

Some questions of military history in the book "Military strategy." A.Golubev. Voen.-ist zhur. 5 no.5,87-101 My '63.

MILITARY HISTORY—BIBLIOGRAPHY see Bibliography—Military history

MILITARY MEDICINE see Medicine, Military

MILITARY MOTORIZATION see Motorization, Military

MILITARY MUSEUMS

Collection and preservation of military relics. F.Groshikov. Voen.-ist.zhur. 5 no.5:120-121 My '63.

MILITARY PENSIONS see Pensions, Military

MILITARY PSYCHOLOGY see Psychology, Military

MILITARY RADIO see Radio, Military

MILITARY RECONNAISSANCE

A landing platoon in a combat reconnaissance patrol. A.Kuznetsov. Voen.vest. 43 no.5:56-60 My '64.

Reconnaissance before everything else. S.Savinov. Voen.znan. 40 no.4,14-15 Ap '64.

Reconnaissance scouts in the rear of the enemy. V.Boleev. Voen.vest. 43 no.5;12-14 My '64.

MILITARY SHOOTING see Shooting, Military

MILITARY STREAM CROSSING see Stream crossing, Military

MILITARY VEHICLES see Vehicles, Military

MILK—ANALYSIS AND EXAMINATION see subdivision under Novokuznetsk

MILK—COMPOSITION

Ascorbic acid content of milk in brood sows as related to the length of lactation. I F Ros'. Nauk.pratsi Zootekh. fak.Kam.'-Pod.sil'hosp.inst 5,30-31 '63

Urea content of milk in cows fed urea supplements. V.A. Kaplan, G.A.Bogdanov. Vest.sel'khoz.nauki 9 no.2, 23-26 F '64.

animals [with summaries in English, German, and French]. N. L. Morozova. [illegible] 69-71 S '63.

MILK—COOLING

Refrigerating machines for dairy farms. [illegible] IA. Lasker. Tekh. v sel'khoz. 21 no. [illegible] Mr '6[illegible].

Tank for milk cooling. A. Zlotin. [illegible] no. 3:11-46 Mr '6[illegible].

MILK—MICROBIOLOGY

Comparative study of the pathogenic [illegible] morphology of diphtheroid [illegible] dipmatic milk fever. [illegible] [[illegible]]. Vop. med. virus. no. [illegible]

Virological investigation of the [illegible] connected with the use of [illegible] milk. V. V. Pogodina. Vop. med. virus. no. [illegible]

MILK—PACKAGING

Put milk in paper cartons. M. [illegible] 36 no. 6:16-18 Je '63.

MILK, CONDENSED

Condensed milk as emulsifier for [illegible] H. I. Pivnenko, V. F. Nikolenko, I. O. [illegible] Zhur. 14 no. 4:47-49 '59.

MILK HYGIENE

Russia (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. [Machine milking of cows and the primary handling of milk, textbook for training expert machine milkers] Mashinnoe doenie korov i pervichnaia obrabotka moloka, uchebnoe posobie dlia podgotovki masterov mashinnogo doeniia. Moskva, Izd-vo MSKh RSFSR, 1963. 103 p.
(DNAL)

MILKING MACHINES

New developments in the machine milking [illegible] I. Sin'kov. Tekh. v sel'khoz. 24 no. [illegible]

Optimal tension magnitude for [illegible] Tekh. v sel'khoz. 24 no. [illegible]

Russia (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. [Machine milking of cows and the primary handling of milk; textbook for training expert machine milkers] Mashinnoe doenie korov i pervichnaia obrabotka moloka; uchebnoe posobie dlia podgotovki masterov mashinnogo doeniia. Moskva, Izd-vo MSKh RSFSR, 1963. 103 p.
(DNAL)

MILKING PARLORS

Soiuzsel'khoztekhnika. Vsesoiuznoe ob"edinenie. [The KDUE-10 "Omichka" circular conveyor-type milking system; recommendations for its assembly and operation] Konveierno-kol'tsevaia doil'naia ustanovka KDUE-10 "Omichka"; rekomendatsii po montazhu i ekspluatatsii. Moskva, Biuro tekhn. informatsii, 19[illegible] 36 p.
(DNAL)

MILKY WAY—SPECTRA

Spectrophotometry of bright regions of the Milky Way. I. B. Kostiakova. Astron. zhur. [illegible] Je '61.

MILLET

Formation, development, and ripening of millet grain. M. F. Bozhko. Agrobiologiia no. [illegible] Mr-Ap '64.

MILLET—CLEANING

Cleaning and sorting millet seeds. [illegible] v sel'khoz. 24 no. [illegible] My '64.

MILLET—DISEASES AND PESTS see subdivision under Ukraine

MILLING (METALWORK)

Conditions for precision milling of [illegible] A. [illegible] Anipin. Trudy DVPI 56 no. [illegible]

MILLING MACHINERY
(see also subdivision under Leningrad)

Increasing the capacity of [illegible] mills. K. P. Borisdtsov. [illegible] prom. no. [illegible]

Modernization of [illegible] cement mills converted to work [illegible] IU. Beshko, M. B. Kravtsov. [illegible] prom. no. 2:11 '60.

MILLING MACHINES

The 6308 and 6310 plano-milling machines. [illegible] Vishnia. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:[illegible] My '6[illegible].

MILLING MACHINES—NUMERICAL CONTROL

Semiautomatic two-spindle copying milling machine. A. I. Khotilin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:[illegible] Ap '64.

[illegible]

MINERAL WOOL

Economical method of inserting binder in mineral wool V.N.Vel'sovskii, IU.L Spirin, A.V.Mishke. Strol. mat. 10 no 2;24-25 F '64

MINERALOGICAL SOCIETIES

Annals of the Armenian Branch of the All-Union Mineralogical Society (no 2). S.P.Solov'ev. Zap. Vses. min. ob-va 93 no. 2 218 '61

MINERALOGY

(see also subdivision under Carpathian Mountains, Kazakhstan; Klichka region, Transbaikalia)

Correlation of the heat capacity and the heat of fusion in elements. N.N.Stulov. Zap. Vses. min ob-va 93 no. 2 121-125 '61

Methods for the dry preparation of powderlike and earthy minerals for electron microscope research. N.D.Samotoin. Zap. Vses. min. ob-va 93 no. 2,201-205 '64.

Zherdeva, A. N., and V.K Abulevich. [Mineralogy of titanium placers] Mineralogiia titanovykh rossypel. Moskva, Izd-vo "Nedra," 1964. 237 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy, no. 11)

MINERALOGY—HANDBOOKS, MANUALS, ETC.

MINERALOGY—STUDY AND TEACHING

Mineralogical school of A.K.Boldyrev D.P.Grigor'ev. Zap. Vses. min. ob-va 93 no 2 163--67 '64

About the handbook "Minerals " vol. 1. A.S.Povarennykh. Zap. Vses. min. ob-va 93 no. 2·231-236 '61.

MINERALOGY, DETERMINATIVE

Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. [Chemical analysis of minerals and their chemical composition] Khimicheskii analiz mineralov i ikh khimicheskii sostav. Moskva, Izd-vo "Nauka," 1964. 141 p.

Bulakh, A. G. [Handbook and tables for the calculation of mineral formulas] Rukovodstvo i tablitsy dlia rascheta formul mineralov. Moskva, Izd-vo "Nedra," 1964. 130 p.

MINERALS

(see also subdivision under Atlantic Ocean; Azerbaijan; Karatau; Ukraine)

Artificial priorite. A.I.Komkov and others. Zap. Vses. min. ob-va 93 no. 2;205-207 '64.

A mineral of the series britholite-abakumolite in the aegirine-microcline metasomatites. V.S.Leventov Zap. Vses. min. ob-va 93 no. 2 189-191 '61.

"Sarjarkit," a new mineral. O.F.Krol' and others. Zap. Vses. min. ob-va 93 no. 2:147-155 '61.

Significance of accessory minerals for solving some problems in petrology and metallogeny. M G. Rub. Sov. geol. 7 no. 1;49-64 Ja '64.

"Uralolit," a new mineral. N. A. Grigor'ev. Zap. Vses. min. ob-va 93 no. 2·156-162 '64.

MINERALS—OPTICAL PROPERTIES

Gudkov, A. S., E. IA. Klevlenko, and S. N. Kondrashov [Fundamentals of prospecting for piezo-optical mineral deposits] Osnovy poiskov i razvedki mestorozhdenii p'ezoopticheskikh mineralov; metodicheskoe rukovodstvo. Moskva, Gosgeoltekhizdat, 1963. 217 p.

MINERALS IN FOOD

(see also subdivision under Tashkent Province)

Iodine content of food products in Tashkent Province, G. M. Makhkamov, IA. A. Levin, E. D. Alllakulova. Trudy Inst. Kraev. eksper. med. no. 5;13-17 '63.

MINERALS IN SOILS see subdivision under Georgia

MINERALS IN THE BODY

Importance of iodine and manganese in controlling mineral deficiency in high-productivity cows in the piedmont zone of the Trans-Ili Alatau. A. A. Sazonov Trudy AZVI 12:157-161 '61

Mineral deficiency of high-productivity cows in Alma-Ata Province A. A Sazonov Trudy AZVI 12 153-156 '61

MINERS

Fourth International Trade Conference of Miners. IU. Khitsenko. Gor. zhur. no. 5 78 My '64.

The International Miners' Conference. Galina Tarasova. Nov vrem. 21 no. 22 15-17 My '64.

MINERS—DISEASES AND HYGIENE

(see also subdivision under Ural Mountains)

Parameters of the atmosphere of inhalatoriums with electro-aerosol equipment. I A. Nel'son, L. I. Stoliarov. Nauch. trudy PermNIUI no. 4:179-185 '62.

Prevention of epidermophytosis in miners. N. I. Cheretianko. Vest. derm. i ven 37 no. 6;60-61 Je '63

MINES AND MINERAL RESOURCES

(see also subdivision under Armenia; Caucasus; Kazakhstan; White Russia)

Advantage of extracting selenium from pyritic coking coals. N. I. Kononenko. Nauch. trudy PermNIUI no. 4. 40-45 '62.

Classification and comparative evaluation of underground systems of exploitation of ore beds. G.D.Khetagurov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 2;90-99 '64.

Increasing mineral resources for agricultural needs Sov. geol. 7 no. 1 III-VI Ja '64.

Mineral resources of large-scale chemistry. Geol. rud. mestorozh. 6 no. 2 3-5 Mr-Ap '64.

MINGECHAUR (AZERBAIJAN)—ANTIQUITIES

New observations on the epigraphy of Caucasian Albania. N. I. Rzaev. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 1, 111-118 '64.

MINGRELIA—GEOMORPHOLOGY

Geomorphological study of Mingrelia L. I. Maruashvili. Trudy Inst. geog. AN Gruz. SSR 18 28-33 '63

MINIATURE ELECTRONIC EQUIPMENT

(see also subdivision under Czechoslovakia)

Micromodules and microminiature electronic equipment N Barkanov Radio no 5 54-55 My '64

MINING ENGINEERING

(see also subdivision under Iul'tin, Magadan Province, Krivoy Rog Basin, Kuznetsk; Murmansk Province)

Foreign periodicals. Gor. zhur. no. 5·3 of cover My '64.

Investigating the depth and number of boreholes in mining horizontal workings in homogenous rock on the basis of progressive practice P.V.Sdobnikov. Nauch. trudy Mosk inst radioelek i gor elektromekh no 17:151-163 '63.

Mining inclines with the help of the PMU-2 loading machine. IA. I. Bazer. Gor. zhur. no. 5 73-74 My '64.

Petrov, N. G. [Short-delay blasting in mines] Korotkozamedlennoe vzryvanie v shakhtakh. Moskva, Nedra, 1964. 142 p.

Predicting hydrogeological conditions during the exploitation of ore deposits. N. I. Plotnikov. Gor. zhur. no. 5;11-19 My '64.

Reasons for the fracture of walls in deep ore chutes and selection of a place for their location. L. N. Rudnev, V. I. Timashev. Gor. zhur. no. 5;29-31 My '64.

Results of mining a block under complex mining and geological conditions. D. Z. Shish, G. S. Shkrebko. Gor. zhur. no. 5 27-29 My '64.

Review of the book by G. N. Popov "Mining mineral deposits." M. I. Agoshkov and others. Gor. zhur. no. 5, 79-80 My '64.

Review of the textbook on "Economics, organization and planning of production in coal mines." P M Tararyko Sred spets. obr 11 no 4 50-51 Ap '64

Working 433, 7 meters of incline in a month. V. F. Rybalko, V. V. Antonov. Ugol' Ukr. 8 no. 3;43-45 Mr '64

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur.: Gor. delo no 6 Je '64.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—COSTS see subdivision under Kizel Basin

MINING ENGINEERING—EQUIPMENT AND SUPPLIES

Arrangement for eliminating sticking of loose materials in a hopper. Gor. zhur. no. 5;77 My '64.

MINING ENGINEERING—STUDY AND TEACHING see subdivision under Kizel Basin

MINING GEOLOGY see subdivision under Drogobych District

MINING INDUSTRY

From the editor's mail. Sov. profsoiuzy 20 no. 9·35 My '61.

MINING INDUSTRY—LABOR PRODUCTIVITY

Continuously improve the technical and economic indices of mine operations. G. T. Grishin, A. F. Tiuriakov, V. I. Bogomolov. Gor. zhur. no. 5;3-5 My '64.

MINING MACHINERY

Loading equipment abroad. E. P. Kurakolov. Ugol' Ukr. 8 no. 1;51 Ja '64.

On the road to mining without people. E. T. Protavkin. Ugol' Ukr. 8 no. 3:4-5 Mr '64.

Raising the efficiency of operating ShBM-2 mining cutter-loaders in the Lvov-Volyn coal basin. V. G. Mikhailov and others. Ugol' Ukr. 8 no. 3;24-27 Mr '64.

Review of the book by IA. B. Kal'nitskii and M. I. Bogorats, "Scraper equipment for underground work." G. G. Petrenko. Gor. zhur. no. 11;77-78 N '63.

Skorobogatov, S. V., and V. V. Kukol'. [Mining and construction machinery] Gornoprokhodcheskie i stroitel'nye mashiny. Moskva, Izd-vo "Nedra," 1964. 292 p.

MINING MACHINERY—ABSTRACTS

[Mining machinery] Ref. zhur.: Gor. mash. no. 6 Je '64.

MINING MACHINERY—ELECTRIC DRIVING

Sets of automatic electric drives for stationary mine installations. L. G. Mel'kumov, B. Kh. Bogopol'skii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4,9-12 Ap '64.

MINING MACHINERY—RELIABILITY

We are increasing the service life of mining machinery. V. I. Chamov. Ugol' Ukr 8 no. 3 4 Mr '64.

MINING MACHINERY—TESTING

Mining inclines with the help of the PMU-2 loading machine. IA. I Bazer Gor. zhur. no. 5:73-74 My '64.

MINSK—BUILDING BLOCKS

Dorofeev, A. F., and V. I. Kunashkevich. [Manufacturing large sand-lime blocks with unslaked lime, practices of the Minsk Plant for Large Building Elements] Proizvodstvo krupnykh silikatnykh blokov na negashenoi izvesti, iz opyta raboty Minskogo kombinata krupnoblochnykh stroitel'nykh konstruktsii. Minsk, Gos izd-vo BSSR, 1961. 89 p.

MINSK—FLOUR MILLS

Separating bran from husk at the Minsk Groats Plant I. Kiselev. Muk.-elev. prom 30 no. 5,21 My '63.

MINSK—HISTORY

Zagorul'skii, E. M. [Ancient Minsk] Drevnii Minsk. Minsk, Gos. izd-vo BSSR, 1963. 117 p.

MINSK—SAND-LIME PRODUCTS

Dorofeev, A. F., and V. I. Kunashkevich. [Manufacturing large sand-lime blocks with unslaked lime; practices of the Minsk Plant for Large Building Elements] Proizvodstvo krupnykh silikatnykh blokov na negashenoi izvesti, iz opyta raboty Minskogo kombinata krupnoblochnykh stroitel'nykh konstruktsii. Minsk, Gos. izd-vo BSSR, 1961. 89 p.

MINSK—TRACTOR INDUSTRY

The trade-union committee teaches and advises. V Gotal'skii. Sov. profsoiuzy 20 no. 12·20-21 Je '64

MINSK—TRACTOR INDUSTRY—MANAGEMENT

The regular workshop production conferences. I. El'perin. Sov. profsoiuzy 20 no. 12·17-18 Je '64

Volunteers took over the control. A. Belyi. Sov. profsoiuzy 20 no. 12·18-20 Je '64.

MINSK—TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS

How we prepare for a conference. M. Golushevskii. Sov. profsoiuzy 20 no. 12·14-16 Je '64.

MINSK—WORKS COUNCILS

How we prepare for a conference. M. Golushevskii. Sov. profsoiuzy 20 no. 12;14-16 Je '64.

MINSK—WORLD WAR, 1939-1945

Novikau, Ivan. [The roads intersected in Minsk; a documentary tale] Darohi skryzhavalisia u Minsku, dakumental'naia apovests'. Minsk, Vyd-va "Belarus'," 1964. 430 p.

MINSK PROVINCE—PERILLUS

Acclimatization of Perillus. V. F. Samersov. Zashch. rast. ot vred. i bol. 9 no. 2;51 '64.

MINSK PROVINCE—POTATO BEETLE—BIOLOGICAL CONTROL

Acclimatization of Perillus. V. F Samersov. Zashch. rast. ot vred. i bol. 9 no. 2;51 '64.

MINT (BOTANY)

Some characteristics of the biology of mint flowering. V. V. Makarov. Biul. Glav. bot. sada no. 53;61-66 '64.

MINUSINSK BASIN—GEOLOGY, STRUCTURAL

Flexures in the Minusinsk intermontane trough. I. V. Luchitskii. Uch. zap. Chern. un. 24. Ser. geol. nauk no. 2;161-165 '59.

MISTLETOE

Pharmaceuticals derived from mistletoe. A. P. Reviats'ka. Farmatsev. zhur. 14 no. 3;21-24 '59.

MITES

(see also subdivision under Armenia; Stavropol Territory; Tiflis region; White Russia)

Ecology of the mite Rhinonyssus rhinolethrum (Trouessart, 1895) (Rhinonyssidae, Gamasoidea), a parasite of water birds [with summary in English]. O. M. Butenko. Zool zhur. 43 no. 2 274-276 '64.

Materials on the biology of mites of the family Haemogamasidae (Gamasoidea, Parasitiformes) Report No. 2: External morphology and biology of the postembryonic phases in the development of Haemogamasus citelli Breg. et Nelz. and Haemogamasus nidi Mich. E. N. Nel'zina, G M Danilova Mat. k pozn fauny i flory SSSR Otd. zool. no. 39;221-243 '64.

Method of identifying deutonymphs of the family Lealaptidae Berlese, 1892 (Parasitiformes, Gamadoidea) [with summary in English]. A. A. Goncharov, T. G. Bulakova. Zool. zhur. 43 no. 2 277-281 '64.

Seasonal change in the age composition of the populations of bird mites Dermanyssus hirundinis Herm (Dermanyssidae, Gamasoidea). O. M Butenko Mat. k pozn. fauny i flory SSSR. Otd. zool. no. 39;204-209 '64

MITES—FOOD

Feeding habits of gamasid mites Eulaelaps stabularis (C. L. Koch) and Haemolaelaps glasgowi (Ew.) inhabiting the burrows of murine rodents. S I Zamskii. Mat. k pozn. fauny i flory SSSR, Otd. zool no. 39;259-283 '64.

MITICIDES

[illegible] control of the strawberry mite [illegible] V.N Korchagin, I.A. [illegible] Zashch.rast.ot vred.i bol. 9 no.10 [illegible]

[illegible] primary testings of new compounds as [illegible] G.I.Sh[illegible], N D Slavko, A.G.Treml' [illegible] 2 no.1 29 Ja '61

[illegible] in the control of the strawberry mite [illegible] E.L Savzdarg. Zashch. [illegible] no 2 28-29 '61

MITOCHONDRIA

[illegible] of glycerophosphatase in the mitochondrias of different [illegible] organs and its changes under the influence of heat treatment. A.A.Simonian. Izv.AN Arm.SSR. Biol.nauki 17 no 4 21-24 Ap '64

Distribution of cytochrome oxidase and mitochondria in [illegible] cellular formations of the cutaneous and [illegible] in some mammals. L.L.Tumanian. [illegible] no.1 148-154 Ja-F '64.

MITURICH, MAIA

Creative work of M Miturich B.Denisov. Doshk.vosp. 35 no 12:36-43 D '63.

MIXING MACHINERY

Kreer, A.M. [New mixing machinery and equipment; a manual for improving by correspondence courses the qualifications of engineers studying the subject "Present-day construction machinery and equipment"] Novye smesitel'nye mashiny i ustanovki; uchebnoe posobie dlia zaochnogo povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov po predmetu. "Sovremennye stroitel'nye mashiny i oborudovanie." Moskva, Vses. zaochnyi stroitel'nyi tekhnikum, 1963. 38 p
[MICROFILM]

Reducing expenditures on stainless and acid-resistant steels in mixing devices. V.M.Kulakov. Mash.i neft.obor. no.4 17-19 '64.

MODELS AND MODELMAKING

Operating models of our construction. I.IA.Turkenich. Sred.spets.obr. 11 no.5,54-58 My '64.

MODERN DANCE

[Modernity in the dance] Sovremennost' v tantse. Moskva, Iskusstvo, 1964. 167 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no.7)

MODERN GEOMETRY see Geometry, Modern

MODULATION (ELECTRONICS)

Some optimum relationships in the limitation of amplitude modulated oscillations. V.I.Grigulevich, V.A. Lobodzinskii. Elektrosviaz' 18 no.4:19-26 Ap '64.

MOSSBAUER EFFECT

Mössbauer effect in organic compounds of bivalent tin. V.I.Gol'danskii, V.IA.Rochev, V.V.Khrapov. Dokl. AN SSSR 156 no.4:909-911 Je '64.

MOGILEV PROVINCE—PUBLIC INSTITUTIONS—ACCOUNTING

Centralize accounting in public institutions. F Lapteev. Bukhg uchet 21 no.2,49 F '64

MOGILEV PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Akushevich, E.G. [Fires in our forests; a documentary tale] Ogni v rodnykh lesakh; dokumental'naia povest'. Minsk, Izd-vo "Belarus'," 1964. 290 p.

MOHAMMEDANISM see subdivision under India; Pakistan

MOISTURE—MEASUREMENT

Methods for determining some moisture transfer coefficients by the curves of drying kinetics N.V. Seleznev. Inzh.-fiz.zhur 7 no.5 23-37 My '64.

Sorting of moist products by color with the use of an electronic machine. Kons.i ov.prom. 19 no.4;34-35 Ap '64

MOLASSES
(see also subdivision under Ossetia, North)

Effect of the amount of crystals on the degree of exhaustion of the intracrystal molasses of the massecuite of
st product I.N Akindinov Sakh.prom 38
Ap '64

ms of the development of the starch and
dustry I S.TSukerman, P M Ber. Sakh.
o.4 51-55 Ap '64.

AS FEED

asses waste in finishing and fattening cattle.
L.G.Glukhov. Nauch.trudy Nauch.-issl.
s.i Pol. 32;33-44 '62.

MOLDAVIA—AERONAUTICS IN AGRICULTURE

Helicopters in grape pollination [with summaries in English, German, and French]. G.M.Karadzhi, T.V. Razumikhina Vest sel'khoz.nauki 8 no.9:114-121 S '63.

MOLDAVIA—AGRICULTURAL CHEMISTRY—STUDY AND TEACHING

A powerful means for increasing the output of animal products. G.Stepanov. Komm.Mold. 9 no.2;27-31 F '64.

MOLDAVIA—AGRICULTURAL POLICY

The main trend in the development of agriculture. Komm Mold. 9 no.2,11-15 F '64.

MOLDAVIA—ANIMAL PRODUCTS

A powerful means for increasing the output of animal products. G Stepanov. Komm.Mold. 9 no 2 27-31 F '64.

MOLDAVIA—APPLE—DISEASES AND PESTS

Using poisonous chemicals with fertilizers. V.S.Babii. Zashch.rast.ot vred.i bol. 9 no.5;20 '64.

MOLDAVIA—AUDITING AND INSPECTION

Save and multiply the national property P Voronin Sov profsoiuzy 20 no 11 2-4 Je '64

MOLDAVIA—BAKERIES

Technical Seminar and Conference of the representatives of the Bakery Industry under the Economic Council of the Moldavian S.S.R Khleb.i kond.prom. 7 no.12 39-40 D '63.

MOLDAVIA—BATS

Materials on the distribution and biology of some animal species new or little-known in Moldavia. IU.V. Averin, M N.Lozan. Izv.Mold.fil.AN SSSR no.3;3-12 '61.

MOLDVAIA—BIRDS, INJURIOUS AND BENEFICIAL

Frightening injurious birds from the orchards and vineyards of Moldavia. I S Donika. I M Gama, V.N. IAkubanis Ornitologiia no 6 337-340 '63

MOLDAVIA—CAPITAL INVESTMENTS

Capital construction should be placed under party control. B Steshov. Komm.Mold. 9 no.2:16-21 F '64.

MOLDAVIA—CHEMICAL WORKERS—EDUCATION AND TRAINING

Qualified workers should be assigned to chemical industries. P.Burmistrov. Komm.Mold. 9 no.2;32-33 F '64.

MOLDAVIA—CHERRY—DISEASES AND PESTS

Materials on the morphology and biology of plant lice (Homoptera, Aphididae) from the mahaleb. B.V Vereshchagin, M.N.Narzikulov. Izv.Mold.fil.AN SSSR no.3;61-78 '61

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION

The 40th anniversary of the foundation of the Moldavian Soviet Socialist Republic and of the organization of the Communist Party of Moldavia, resolution of the Central Committee of the Communist Party of Moldavia. Komm. Mold. 9 no.2:3-10 F '64.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Lenin's Fridays. V.Danilenko. Komm.Mold. 9 no.2; 44-47 F '64.

MOLDAVIA—CONSTRUCTION INDUSTRY

Development of the specialization of construction organizations in the Moldavian S.S.R. K.K.Kodrianu. Izv. AN Mold.SSR no.8;46-53 '61.

MOLDAVIA—FOREST INSECTS

Some features of the injurious dendrophilous entomofauna in Moldavia [with summary in English]. B.V. Vereshchagin. Zool.zhur. 43 no.2:185-192 '61.

MOLDAVIA—FOUNDRIES

Concentration of the founding industry in Moldavia. S.I. Kirka. Izv.AN Mold.SSR no.8;54-63 '61.

MOLDAVIA—FRUIT—DISEASES AND PESTS

Chemistry and the immunity of grape and fruit crops IA.Prints. Komm.Mold. 9 no.2;34-37 F '64.

MOLDAVIA—GRAPES—DISEASE AND PEST RESISTANCE

Chemistry and the immunity of grape and fruit crops. IA.Prints. Komm.Mold. 9 no.2;34-37 F '64.

MOLDAVIA—GRAPES—DISEASES AND PESTS

Testing phosphorus organic systemic preparations for the protection of grapevines against spider mites. I.F. Slonovskii. Izv.Mold.fil.AN SSSR no.3;70-83 '61.

MOLDAVIA—HISTORY

Akademiia nauk Moldavskoi SSR. Institut istorii. [History of Moldavia] Istoriia Moldavii; dokumenty i materialy. Kishinev, Kartia Moldoveniaske,
Vol.4. [Situation of the peasants and the socio-political movement in Bessarabia, 1861-1895; documents and materials] Polozhenie krest'ian i obshchestvenno-politicheskoe dvizhenie v Bessarabii (1861-1895 gody); dokumenty i materialy. Sost. I.G.Budak. 1964. 717 p.

MOLDAVIA—INDUSTRIAL MANAGEMENT

Save and multiply the national property. P.Voronin Sov profsoiuzy 20 no.11;2-4 Je '64.

MOLDAVIA—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Ways of improving the use of equipment and industrial premises in machinery manufacture and metalworking in the Moldavian S.S.R. S.I.Kirka. Izv.AN Mold. SSR no.8;30-45 '61.

MOLDAVIA—MOLE CRICKETS—EXTERMINATION

Mole cricket. N.A.Filipov. Zashch.rast.ot vred.i [illegible] 9 no.2;34-36 '64.

MOLDAVIA—NEMATODA

Nematodes of corvoid birds in the central districts of the Moldavian S.S.R. R.P.Shumilo. Izv.Mold.fil.AN SSSR no.3;13-32 '61.

MOLDAVIA—OIL INDUSTRIES

Outlook for the development of oil manufacture in the Moldavian S.S.R. F.M.Gil'man. Izv.AN Mold [illegible] no.8,3-15 '61.

MOLDAVIA—PARASITES—CROWS

Nematodes of corvoid birds in the central districts of the Moldavian S.S.R. R.P.Shumilo. Izv.Mold.fil.AN SSSR no.3;13-32 '61.

MOLDAVIA—PARASITES—RODENTS

Parasites of rodents in the Moldavian S.S.R. O.F. Andreiko. Izv.Mold.fil.AN SSSR no.3;33-52 '61

MOLDAVIA—PEASANTRY

Akademiia nauk Moldavskoi SSR. Institut istorii. [History of Moldavia] Istoriia Moldavii; dokumenty i materialy. Kishinev, Kartia Moldoveniaske,
Vol.4. [Situation of the peasants and the socio-political movement in Bessarabia, 1861-1895; documents and materials] Polozhenie krest'ian i obshchestvenno-politicheskoe dvizhenie v Bessarabii (1861-1895 gody); dokumenty i materialy. Sost. I.G.Budak. 1964. 717 p.

MOLDAVIA—PINE, FOSSIL

Moldavian fossil pine and the pines of the group [illegible] sis s. l. V.N.Andreev. Trudy Ukr.nii. 152 [illegible] i geog.nauk no.9;148-160 '62.

MOLDAVIA—PLANT LICE

Materials on the morphology and biology of plant lice (Homoptera, Aphididae) from the mahaleb. B.V.Vereshchagin, M.N.Narzikulov. Izv.Mold.fil.AN SSSR no.3;61-78 '61.

MOLDAVIA—POLITICS AND GOVERNMENT

A collection of documents on the formation and development of the Moldavian socialist state. N.Zhuravle[illegible], A.Karlov. Komm.Mold. 9 no.2:36-41 F '64.

Formation and development of a Soviet national governmental system of the Moldavian people. A.A.Karlov. Sov.gos.i pravo 34 no.6:111-117 Je '64.

The 40th anniversary of the foundation of the Moldavian Soviet Socialist Republic and of the organization of the Communist Party of Moldavia, resolution of the Central Committee of the Communist Party of Moldavia. Komm. Mold. 9 no.2;3-10 F '64.

MOLDAVIA—RED SPIDER—EXTERMINATION

Testing phosphorus organic systemic preparations for the protection of grapevines against spider mites. I.F. Slonovskii. Izv.Mold.fil.AN SSSR no.3;70-83 '61

MOLDAVIA—REVOLUTION, 1917-1921

Formation and development of a Soviet national governmental system of the Moldavian people. A.A.Karlov. Sov.gos.i pravo 34 no.6:111-117 Je '64.

MOLDAVIA—RODENTS

Materials on the distribution and biology of some animal species new or little-known in Moldavia. IU.V Averin, M.N.Lozan. Izv.Mold.fil.AN SSSR no.3 3-12 '61.

MOLDAVIA—STATISTICS

Moldavian S.S.R. TSentral'noe statisticheskoe upravlenie. [National economy of the Moldavian S.S.R. in 1962; statistical abstract] Narodnoe khoziaistvo Moldavskoi SSR v 1962 godu; statisticheskii sbornik. Kishinev, Gosstatizdat, 1963. 383 p.

MOLDAVIA—TRADE UNIONS

Experience and search. N.Tatarskaia. Sov.profsoiuzy 20 no.13:14-16 Jl '64.

MOLDAVIA—VITICULTURE

Helicopters in grape pollination [with summaries in English, German, and French]. G.M.Karadzhi, T.V. Razumikhina. Vest.sel'khoz.nauki 8 no.9:114-121 S '63.

MOLDAVIA—WINE AND WINE MAKING

Regulate the raw material basis of the wine-making industry. A.Izman. Komm.Mold. 9 no.2:48-51 F '64.

Reorganization of industrial management and the development of production as exemplified by the state wine-making industry of the Moldavian S.S.R. A.A. Gudym. Izv.AN Mold.SSR no.8;16-30 '61.

MOLDAVIA—WORMS, INTESTINAL AND PARASITIC

Parasites of rodents in the Moldavian S.S.R. O.F. Andreiko. Izv.Mold.fil.AN SSSR no.3;33-52 '61.

MOLDAVIAN LANGUAGE—DICTIONARIES—RUSSIAN

[Russian-Moldavian and Moldavian-Russian school dictionary] Shkol'nyi slovar' russko-moldavskii i moldavsko-russkii. Kishinev, Gos. izd-vo "Kartia *Moldoveniaske,*" *1964.* 336 p.

MOLDING (FOUNDING)

Alloys for casting in metal molds. N.N.Belousov, M.L. Zaslavskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.4:84-85 Ap '64

MOLDING MACHINES—VIBRATION

Experimental molding equipment with packet vibration. M.A.Bakhmutskii and others. Stroi. i dor. mash. 9 no.3:29-31 Mr '64.

MOLDS (BOTANY)

Increase in the sensibility of the organism of calves to mold fungi during the treatment with antibiotics B S Shchetinin Trudy AZVI 12 542-544 '61

MOLE (DERMATOLOGY)

Granulomas of foreign body type in pigmented nevi [with summary in English]. B. O. Press. Vest. derm. i ven. 37 no.6:26 Je '63.

MOLE CRICKETS—EXTERMINATION see subdivision under Moldavia

MOLECULAR ORBITALS

Locating the best hybrid orbitals of the central atom in MXk-type molecules. A.A.Levin. Zhur. strukt. khim. 5 no.2;286-292 Mr-Ap '64.

MOLECULAR ROTATION

Orientational relaxation times of molecules of certain disubstituted benzenes and their determination by the light diffusion method A K Atakhodzhaev, Sh F Faizullaev, S A.Osmanov Izv. AN Uz SSR Ser fiz.-mat. nauk 7 no.6 86-90 '63

MOLECULAR SPECTRA

Effect of solvents and temperature on the electronic spectra of carbazole. E A. Chernitskii, S V. Konev. Dokl. AN BSSR 8 no.4 259-262 Ap '64.

Infrared spectrum and the calculation of the vibrational spectrum of the molecule of chlorodifluoramine (NF_2Cl). E.N.Moskvitina, IU.IA.Kuziakov. Vest. Mosk. un. Ser. 2: Khim. 19 no.2:23-25 Mr-Ap '64.

MOLECULAR STRUCTURE

Calculation of volume effects in linear polymer chains by the Monte-Carlo method. A.K.Kron, O.B.Ptitsyn. Vysokom. soed. 6 no.5:862-867 My '64.

Dielectric constant and molecular structure of pyridine-chloroform solutions. V.V.Goremykina, I.A. Vekalov, M.I.Shakhparonov. Vest. Mosk. un. Ser. 2. Khim. 19 no.1;33-34 Ja-F '64.

Molecular motion in polymers. G.P.Mikhailov, T.I. Borisova. Usp. fiz. nauk 83 no.1:63-70 My '64.

Molecular orientation in capron fibers studied by infrared spectroscopy. I.I.Novak, V.I.Vettergen'. Vysokom. soed. 6 no.4:706-709 Ap '64.

Nuclear magnetic resonance and the structure of molecules. B.A.Arbuzov, IU.IU.Samitov. Priroda 53 no.6:13-24 '64.

Physicochemical means of regulation of supermolecular structures and mechanical properties of amorphous polyarylate F-1. G.L.Slonimskii and others. Dokl. AN SSSR 156 no.4:924-925 Je '64.

Regulation of the supermolecular structure of polymers by the introduction of artificial crystallization nuclei. V.A.Kargin, T.I.Sogolova, T.K.Shaposhnikova. Dokl. AN SSSR 156 no.5.1156-1158 Je '64.

Theory of the location of the most stable configuration of MX_k molecules by the method of maximum overlap. A.A.Levin. Zhur. strukt. khim. 5 no.2;320-331 Mr-Ap '64.

MOLECULAR WEIGHTS

Molecular weights of polymers obtained in cationic polymerization of trioxane. G.V.Rakova, N.S. Enikolopian. Dokl. AN SSSR 156 no.5;1167-1169 Je '64

Use of the polarographic method in the determination of the molecular weight of some polymers. V.D. Bezuglyi, E.K.Seitichuk. Vysokom. soed. 6 no.4; 605-607 Ap '64.

MOLECULES

Mechanism of self-diffusion in water. IU.V.Gurikov. Zhur. strukt. khim. 5 no.2;188-192 Mr-Ap '64.

Some correlations in internuclear distances of diatomic molecules. V.P.Spiridonov, V.M.Tatevskii. Zhur. fiz. khim. 36 no.9;2024-2029 S '62.

MOLECULES—OSCILLATIONS

A particular case of relaxation through the exchange of oscillation quanta. A. Baidedaev. Akust. zhur. 10 no.2.239-241 '64.

MOLES (ANIMALS)—FEEDING AND FEEDS

Injurious insects in the ration of a mole. O.S.Rusakov. Zashch. rast. ot vred. i bol. 9 no.2;47 '64.

MOLLUSKS, FOSSIL see subdivision under Bol'shoy Tomak region (Ukrane); Ural Mountain region

MOLYBDENUM

Effect of molybdenum and vanadium on nitrogen fixing. N.V.Krylova. Dokl. TSKHA no.84;293-300 '63.

MOLYBDENUM—ANALYSIS

Determination of molybdenum and tellurium in polyhetero compounds. Z.G.Shakhova, Ku Tkhan'Long. Vest. Mosk. un. Ser. 2 Khim. 19 no.1 72-76 Ja-F '64.

MOLYBDENUM—METALLURGY

Investigations on the recovery of molybdenum from low-grade ferrimolybdite ores and concentrates. M.N. Zyrianov, A.S.Sinakevich, A P.Nadol'skii. Trudy IPI no.18 123-129 '63.

MOLYBDENUM—PHYSIOLOGICAL EFFECT

Effect of molybdenum on the nitrogen metabolism of cauliflower E.A Muravin Dokl. TSKHA no 84;198-202 '63

Symptoms of the effect of molybdenum deficiency in cauliflower E.A Muravin, A A Sobachkin Dokl TSKHA no 84;193-197 '63

MOLYBDENUM COMPOUNDS—SPECTRA

L-spectra of certain molybdenum compounds. M.A. Blokhin, V.F.Demekhin, I.G.Shveitser. Izv. AN SSSR. Ser. fiz. 28 no.5;834-835 My '64.

MOLYBDENUM-IRON ALLOYS see Iron-molybdenum alloys

MOLYBDENUM STEEL—TESTING

Cold resistance of low-carbon steels with a Mo + B complex alloy base. E.A.Klausting. Metalloved. i term. obr. met. no.5:40-44 My '64.

MOLYBDENUM SULFIDES

Effect of radioactive radiation of S^{35} and Mo^{99} on the size of the specific surface of molybdenum disulfide. Vikt.I.Spitsyn, I.E.Zimakov, N P.Dobrosel'skaia. Radiokhimiia 6 no.1 130-132 '64.

MONEY

Problems of currency circulation in the work of financial organs K. Kartashova Fin SSSR 38 no 5 14-19 My '64

Using budget study data for planning currency circulation G Kaganov Plan khoz. 41 no 6 39-43 Je '64

MONGOLIA—PETROGLYPHS

Okladnikov, A.P. [Deer with Golden Antlers; stories about hunts for rock drawings] Olen' Zolotye Roga; rasskazy ob okhote za naskal'nymi risunkami. [Leningrad, "Iskusstvo," 1964] 236 p. illus.

MONKEYS AS LABORATORY ANIMALS
(see also subdivision under Sukhum)

Susceptibility of monkeys to subcutaneous inoculation of a fixed rabies virus. R.M.Shen, G.S.Osenina. Vop. med. virus. no.6.176-180 '59.

MONONUCLEOSIS see subdivision under Tula Province

MONOSACCHARIDES

Reaction of the decomposition of monosaccharides in an acid medium. S.E.Kharin, R.A.Kolcheva Sakh prom. 30 no.4.13-15 Ap '64.

MONT BLANC—TUNNELING

Tunneling under Mont Blanc. I.E.TSimbart. Transp. stroi. 14 no.3;53-55 Mr '64.

MONTESQUIEU, CHARLES LOUIS, 1689-1755

Early editions of Montesquieu's works in the collections of the Historical Library. V.S.Barashkova. Nov i noveish. ist. no.2 192-193 '64.

MONTMORILLONITE

Kinetics and the mechanism of radiation polymerization in layered montmorillonite inclusion compounds O L. Glavati, L S.Polak Neftekhimiia 4 no 1.77-81 Ja-F '64.

MOON—SURFACE

Lunar "geology." V.V.Kozlov, E.D.Sulidi-Kondrat'ev. Priroda 53 no.6:44-49 '64.

MOOSE—PHYSIOLOGY see subdivision under Komi A.S.S.R.

MORAL EDUCATION

Benefit is obvious. A.Foigel'man. Doshk. vosp. 36 no.12;61 D '63.

MORALS AND ART see Art and morals

MORDOVIA—COMMUNITY ORGANIZATION

The hostess of a village club. A.Fomina. Agitator no.11;60-61 Je '64.

MORDVINIAN A.S.S.R. see Mordovia

MOROZOV, VASILII FEDOROVICH

Sturdy sprouts. Sov. voin 40 no.7:14-15 Ap '64

MORPHOLOGY

Morphologists of Baltic Republics and White Russia at a readers' conference. I.D.Lev. Arkh. anat. gist. i embr. 43 no.10:124-126 O '62.

To new advances in morphology. Arkh. anat., gist. i embr. 44 no.4:3-6 Ap '63.

MORPHOLOGY—BIBLIOGRAPHY see Bibliography—Morphology

MORPHOLOGY (ANIMALS)

New data on the transformation of the nature of animal organisms. N.U Bazanova, K.T.Tashenov. Izv. AN Kazakh. SSR Ser. biol. nauk 2 no.1:5-12 Ja-F '64.

MORTAR
(see also subdivision under Turkmenistan)

Selecting the quality of mortar for plastering of saline masonry. E.M Tarasova. Trudy Inst. antiseism stroi AN Turk SSR 2:108-111 '58

MOSCOW—APARTMENT HOUSES

Series II-40. V.Golshtein. Stroi. i arkhit. Mosk. 13 no.5:2-8 My '64.

MOSCOW—APARTMENT HOUSES, COOPERATIVE

Let us have more housewarmings. V.Likhachev. Sov. profsoiuzy 20 no.13.26-27 Jl '64.

MOSCOW—ART GALLERIES AND MUSEUMS

Moscow. Gosudarstvennaia Tret'iakovskaia galereia. [State Tret'iakov Gallery] Gosudarstvennaia Tret'iakovskaia galereia. Moskva, Gos. izd-vo izobraz. iskus., 1963. 13 p. 48 plates (Nashi muzei)

MOSCOW—BATHROOMS

A[illegible] of the Main Administration for Industrial Building Materials in the City of Moscow] Proizvodstvo sanitarno-tekhnicheskikh kabin polnoi zavodskoi gotovnosti, opyt Danilovskogo zavoda Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

MOSCOW—CAMPS

Junior Pioneers in an urban camp L.I.Sosnovik. Nach. shkola 32 no.5:60-63 My '64

MOSCOW—CHAMBER ORCHESTRA

"Clarion Concerts." T.Gaidamovich Sov. muz 27 no.12;84-85 D '63.

MOSCOW—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Strive to accomplish in production what you succeeded in doing in the laboratory. V.Galitskii Sov profsoiuzy 20 no.13:7-8 Jl '64.

MOSCOW—CHILDREN—CARE AND HYGIENE

For the sake of the children's health. P.Zakharevskii. Sem'ia i shkola 19 no 3 17 Mr '64.

MOSCOW—CHORAL SOCIETIES

Named after Obretenov. Liudmila Ermakova. Sov. muz. 27 no.12:79-80 D '63.

MOSCOW—CITY PLANNING

Creative cooperation. I.Sobolev, A.Urbakh. Stroi. i arkhit. Mosk. 13 no.5;32-34 My '64.

Studying the plans. G.Dukel'skii. Stroi. i arkhit. Mosk. 13 no.5:11-14 My '64.

MOSCOW—CLERKS (RETAIL TRADE)

And a smile in addition. L.Butkovskaia Oktiabr' 40 no.1:182-183 Ja '64.

MOSCOW—COLD STORAGE WAREHOUSES

Reconstruction of the truck platform in the Moscow Cold Storage Warehouse No.9. D.IA.Movsikov. Khol. tekh. 41 no.2;53-55 Mr-Ap '64.

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Guidance should be creative and concrete; reports at the Plenum of the Moscow City Committee of the Communist Party of the Soviet Union Part. zhizn' no 11;45-50 Je '64.

MOSCOW—CONCERTS

Songs of Mexico, Brazil and Cuba. P.Pichugin. Sov. muz. 27 no.12;91-94 D '63.

MOSCOW—CONSTRUCTION EQUIPMENT

For the opening of the "New Developments in the Moscow Construction Industry" Exhibit. Stroi. i arkhit. Mosk. 13 no.5;9 My '64.

MOSCOW—CONSTRUCTION INDUSTRY

In the Executive Committee of the Moscow Council. Stroi. i arkhit. Mosk. 13 no.5;3 of cover My '64.

Order of Lenin on the banner of the Main Division for Housing and Public Construction in the City of Moscow. Stroi. i arkhit. Mosk. 13 no.5:1 My '64.

MOSCOW—DISABILITY EVALUATION

Indefatigable old-age. A.Sivakov. Sots. obesp. 25 no.3:16-18 Mr '64.

MOSCOW—DISTRIBUTIVE EDUCATION

In the school for salesmen. I.Rubashkin Sov. torg. 36 no.6:32-33 Je '63

MOSCOW—EDUCATION, PRESCHOOL

[illegible] for school S Kheifits. Doshk. [illegible] 36 no 12 5-7 D '63

MOSCOW—EDUCATION, SECONDARY

Work of party and Communist Youth League organizations [illegible] for the improvement of the general [illegible] of working youth from 1959 to 1963. I. D. [illegible]. Vest Mosk.un.Ser 9, Ist 19 no.3 3-18 My-Je '64

MOSCOW—EXHIBITIONS

Contribution of industry to the national economy [illegible] 16-17 [illegible] '64.

Exhibition of the calculating machines of the German Democratic Republic Bukhg uchet 21 no 2 75-77 F '64

At the opening of the "New Developments in the Moscow Construction Industry" Exhibit. Stroi.i arkhit.Mosk. [illegible] My '64.

At the Exhibition of Achievements of the National Economy. G.U. D[illegible]. Metalloved.i term.obr. [illegible] no.5 58-61 My '64.

In the "Grain storage and processing" pavilion at the Exhibition of Achievements of the National Economy of the U S S R. A.Blidman Muk.-elev prom 30 no.5 13-16 My '63

Results of the evaluation of the best furniture samples at the Exhibition of Achievements of the National Economy of the U S S R in 1963 A M Strongin Der prom 1? no 5 3-7 My '64

MOSCOW—GAS INDUSTRY

Shamardin, N.N. [Gas industry of Moscow] Gazovoe khoziaistvo Moskvy. [Moskva] Moskovskii rabochii, 1964. 74 p.

MOSCOW—GEOGRAPHICAL RESEARCH

Some results of the research work of the Geographical Faculty of Moscow University in 1963 Vest Mosk univer 5 Geog 19 no 3:94 My-Je '64

MOSCOW—GUIDEBOOKS

Dvinskii, E.IA. [Moscow; tourist guide] Moskva; sputnik turista. [Izd.3.,perer. i dop. Moskva] Mosk.rabochii, 1964. 654 p. map (insert)

MOSCOW—HOSPITALS

In the party organization of a hospital S Blium Part zhizn' no 11 50-53 Je '64

MOSCOW—HOSPITALS—DESIGN AND CONSTRUCTION

With 1100 units. P.Aleksandrov. Stroi.i arkhit.Mosk. 13 no.5 29-31 My '64.

MOSCOW—HISTORICAL LIBRARIES

Early editions of Montesquieu's works in the collections of the Historical Library V S Barashkova. Nov i noveish ist no.2 192-193 '64.

MOSCOW—INDUSTRIAL MANAGEMENT

The system of material incentives O Kozlov, K.Kogan Plan khoz 41 no 6 49-55 Je '64

MOSCOW—INDUSTRIAL MANAGEMENT—CONGRESSES

Economic conference of the enterprises of the Moscow City Economic Council Vop ekon. no.6:159-160 Je '64

MOSCOW—KREMLIN

Moskovskii Kreml', Kremlin. Moskva, Izd-vo "Sovetskii khudozhnik," 1964 65 p. (chiefly illus.)

MOSCOW—LABOR AND LABORING CLASSES

Work of the "Energy" stadium of the volunteer sport organization "Trud" of the Moscow City Council E I Pasukhina Teor i prak fiz.kul't 27 no.2 60-61 F '64

MOSCOW—LABOR AND LABORING CLASSES—EDUCATION

Duel', I.I. [A year passed...; a sketch] Proshel god...; ocherk. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriia. Molodezhnaia, no.13)

MOSCOW—LIBRARIES

Smirnova, B.A. [Activities of the Lenin State Library of the U.S.S.R. in the field of recommending bibliography] Deiatel'nost' Gosudarstvennoi biblioteki SSSR imeni V.I. Lenina v oblasti rekomendatel'noi bibliografii. Moskva, Izd-vo "Kniga," 1964. 235 p.

MOSCOW—MACHINE-TOOL INDUSTRY

Workers of a plant are standing aside IU Stepanenko, V Kochetkov, A Drabkin NTO 5 no.9 46-47 S '63.

MOSCOW—MACHINE-TOOL INDUSTRY—ACCOUNTING

Plant and a machine accounting station. I.Rozonoer. Sots.trud 9 no.6:53-57 Je '64.

MOSCOW—MANUFACTURERS

Moscow industrialists in the years of the first Russian revolution. V.IA.Laverychev. Vest.Mosk.un.Ser.9 Ist. 19 no.3:37-53 My-Je '64.

MOSCOW—MANUFACTURES

Methodological council for the establishment of work norms. N.Markov. Sots.trud 9 no.5:87-89 My '64.

MOSCOW—MATHEMATICAL SOCIETIES

Abstracts of papers accepted for publication by the Moscow Mathematical Society Usp mat nauk 19 no 2 197-205 Mr-Ap '64

Meetings of the Moscow Mathematical Society. Usp. mat.nauk 19 no.1:187-198 Ja-F '64.

Meetings of the Moscow Mathematical Society Usp mat nauk 19 no 2 191-196 Mr-Ap '64

MOSCOW—MOTION-PICTURE STUDIOS

Work of the "Mosfil'm" motion picture studio Part zhizn' no 10 14-15 My '64

MOSCOW—MOTORBUS LINES—STATIONS

First Moscow bus station. V.Ginzburg. Stroi.i arkhit. Mosk. 13 no.5:26-28 My '64

MOSCOW—MUSIC—STUDY AND TEACHING

Joining the world of the beautiful I.Konstantinov. Agitator no 11:42-43 Je '64.

MOSCOW—MUSIC HALLS (VARIETY THEATERS, CABARETS, ETC.)

Fate of a performance Oktiabr' 40 no.1:189-190 Ja '64.

MOSCOW—MUSICAL REVUE, COMEDY, ETC.

Guests from the Irtysh. A Zhivtsov. Sov.muz. 27 no 12:54-58 D '63.

MOSCOW—OPERA

Great Siberian. E.Dobrynina Sov muz. 27 no.12:42-50 D '63.

A meeting with Wagner. E.Chernaia. Sov.muz 27 no.12:36-41 D '63.

MOSCOW—PHYSICAL EDUCATION AND TRAINING

Work of the "Energy" stadium of the volunteer sport organization "Trud" of the Moscow City Council E I. Pasukhina Teor i prak fiz kul't 27 no 2 60-61 F '64

MOSCOW—PLANT INTRODUCTION

Phenological groups of Central Asian trees and shrubs in Moscow. I.P.Petrova. Biul.Glav.bot.sada no.53: 3-10 '64.

MOSCOW—POSTERS—EXHIBITIONS

Might of the poster. N.Lapunova Oktiabr' 40 no.1 180-189 Ja '64

MOSCOW—PRINTERS

Results of the contest for Moscow efficiency promoters. V.S.Ermakova. Poligrafiia no.2:16-17 F '64.

MOSCOW—PRINTING

Nemirovskii, E.L. [The origin of printing in Moscow. Ivan Fedorov] Vozniknovenie knigopechataniia v Moskve. Ivan Fedorov. Moskva, Izd-vo "Kniga," 1964. 402 p.

MOSCOW—PRODUCTION STANDARDS

Methodological council for the establishment of work norms. N.Markov. Sots.trud 9 no.5:87-89 My '64.

MOSCOW—PUBLIC BUILDINGS

TSentral'nyi nauchno-issledovatel'skii i proektnyi institut tipovogo i eksperimental'nogo proektirovaniia uchebnykh zavedenii [Moscow Palace of the Pioneers] Moskovskii Dvorets pionerov. Moskva, Stroiizdat, 1964. 100 p. illus.

MOSCOW—RADIO STATIONS

Radio center deserving a high mark for its engineering excellence S G Volkov, A.V.Kiiashko, L IA.IAkovlev. Vest sviazi 24 no 5 29-32 My '64.

MOSCOW—RETAIL TRADE

An assortment profile and store distribution. M.Darbinian. Sov.torg. 37 no.1:23-26 Ja '64.

MOSCOW—SOVIETS

Disclosing the causes and conditions leading to thefts in the course of criminal investigation Z.Baranova, V Bratkovskaia Sots zakon. 41 no 3 61-63 Mr '64

MOSCOW—STEEL INDUSTRY—QUALITY CONTROL

Issuing bonuses to workers for production quality. A.Teverovskii. Sots.trud 9 no.6:37-41 Je '64.

MOSCOW—STORES, RETAIL

Design of the House of Furniture in Moscow K.Aleksandrov Sov torg 36 no 6.47-49 Je '63

MOSCOW—STRAWBERRIES

Principles of the strawberry exposition arrangement in the Main Botanical Garden. A.M.Kurgacheva. Biul. Glav.bot.sada no.53:82-87 '64.

MOSCOW—SUBWAYS

New developments in needle filtration units for lowering the water level at construction sites and experience in using them in the construction of the Moscow subway. V.I.Mikhno. Transp.stroi. 14 no.3:20-22 Mr '64.

Noncontact remote control devices used at the Moscow Subway. V.I.Butorin. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.2 [illegible] '64.

MOSCOW—SYMPHONY ORCHESTRAS

Ardent feeling. B Khaikin. Sov.muz. 27 no.12 [illegible] D '63.

Friends from England. V.Blok. Sov.muz. 27 no.12 86-87 D '63.

MOSCOW—TAXICABS

Gudimov, A.I. [Seven days in a taxi; reportage] Sem' dnei v taksi, reportazh. [Moskva] Mosk. rabochii, 1964. 190 p.

MOSCOW—TEACHERS, TRAINING OF

What are the shortcomings of educational work from [illegible] point of view. N.S.Nozdrin. Sred.spets.obr. 11 no.5:41-43 My '64.

MOSCOW—TRAFFIC REGULATIONS

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Supplements and changes to traffic regulations on streets and roads of the U.S.S.R. In effect from March 20, 1964, within the limits of the city of Moscow by decision of the Moscow City Council no.10/18 of March 12, 1964. Street signs (according to State Standard No.2965-63), in effect from July 1, 1964] Dopolneniia i izmeneniia k pravilam dvizheniia po ulitsam i dorogam Soiuza SSR. Vvedeny v deistvie s 20/III 64 g. v predelakh gor. Moskvy, resheniem ispolkoma Mosgorsoveta No.10/18 ot 12/III 64 g. Dorozhnye znaki (po GOST No.2965-63) vvodiatsia s 1 iiulia 1964 goda. Moskva, 1964. 16 p.

MOSCOW—WAGES—MACHINERY INDUSTRY

Experiment and economic work in an enterprise. [illegible] Sots.trud 9 no.6:32-36 Je '64.

MOSCOW—WATER SUPPLY

Problems of improving the quality of water in the Moscow water supply. A. V. Frantiev. Trudy [illegible] ob-va 14:42-51 '63.

MOSCOW—WOMEN—EMPLOYMENT

Cares and joys of working mothers. A. Anikin. [illegible] shkola 19 no.3 3 Mr '64

MOSCOW—WOODWORKING INDUSTRIES—MANAGEMENT

Mechanization and automation of production processes in the woodworking enterprises. M.D.Sakharov, V. [illegible] Zhilonov. Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.2:50-53 '64.

MOSCOW—ZOOLOGICAL GARDENS

Little Moscovites like it. I.Sosnovskii. Doshk.vosp. 37 no.5:80-83 My '64.

MOSCOW PROVINCE—AGRICULTURAL RESEARCH

Successful cooperation A.Beliaeva, Z.[illegible] NTO 5 no.9 25-29 S '63

MOSCOW PROVINCE—ANESTHESIOLOGY—CONGRESSES

Minutes of the Anesthesiological Section of the Surgical Society of Moscow and Moscow Province. Khirurgiia 39 no.8:152-158 Ag '63

Proceedings of the 35th, 36th, 37th and 38th meetings of the Section of Anesthesiology of the Surgical Society of Moscow and Moscow Province Khirurgiia [illegible] 133-139 D '62

MOSCOW PROVINCE—BIRDS—EGGS AND NESTS

Attracting birds for nesting into the forests of Moscow Province E.B.Klimik Ornitologiia no.6 [illegible] '63.

MOSCOW PROVINCE—CLOTHING INDUSTRY—COSTS

Index of standard manufacturing costs in the light of practical experience. E.Shein. Sots.trud 9 no.5 108-115 My '64.

MOSCOW PROVINCE—CLUBROOT

Controlling clubroot. S.M.Tupenevich. Zashch.rast.ot vred.i bol. 8 no.10 38-39 O '63.

MOSCOW PROVINCE—COLLECTIVE FARMS—PENSIONS

Pensions to the collective farmers of the Moscow region. A.Shchegolev. Sots.obesp. 25 no.3:26-29 Mr '64

MOSCOW PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

A city committee reports on its activities. E.Aksenov, IU.Bazlov. Part zhizn' no.10 38-40 My '64

MOSCOW PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Vladimir Orlov does his agitator's work by deeds T Golovushkin Agitator no.9 64 My '64

MOSCOW PROVINCE—DESCRIPTION AND TRAVEL

Moscow. Gorodskoe ekskursionnoe biuro. [Excursions to the Moscow environs] Ekskursii po Podmoskov'iu. [Moskva] Moskovskii rabochii, 1963. 64 p. illus.

MOSCOW PROVINCE—EMPLOYEES, TRAINING OF

Public inspection is set. M.Avert'ianov. Prof.-tekh. obr. 21 no.5:26 My '64.

MOSCOW PROVINCE—ENSILAGE

Transformation of carbamide (urea) during the ensilage process. IU. I. Raetskaia, M. I. Rambidi, F. R. Livfutsan Vest. sel'khoz. nauki 9 no 2 16-22 F '64.

MOSCOW PROVINCE—FARM MANAGEMENT

Kronov, A. F. [The inspector-organizer] Inspektor-organizator. Moskva, Izd-vo "Znanie," 1964. 71 p. (Narodnyi universitet kul'tury: "Sel'skokhoziaistvennyi fakul'tet, no. 1)

MOSCOW PROVINCE—GALL GNATS

New and little-known gall midgesidae (Diptera, Itonid) in Moscow Province [with summary in English]. Kh P Mamaeva Zool. zhur. 43 no. 2 206-213 '64

MOSCOW PROVINCE—INDUSTRIAL MANAGEMENT

Practice in improving the economic activity of the Moscow Economic Council. I. V. Gellert. Biul. tekh - ekon. inform. Gos nauch. -issl inst. nauch. i tekh. inform 17 no. 5 70-71 My '64

MOSCOW PROVINCE—LIVER FLUKE

Embryogenesis and parthenogenesis of liver flukes under natural conditions and the role of the pond snail Limnaeus truncatula in the epizootiology of fascioliasis, I. N Vasil'eva Izv. AN Arm. SSR. Biol. nauki 15 no. 5: 83-88 My '62.

MOSCOW PROVINCE—MACHINERY INDUSTRY—PRODUCTION STANDARDS

Establishing norms for auxiliary works and the over-all amount of labor involved in the manufacturing of articles. Kh. Gordon. Sots trud 9 no. 6:85-93 Je '64

MOSCOW PROVINCE—OLD-AGE HOMES

People come to learn from them. N. Karasova. Sots. obesp. 25 no. 3:41-43 Mr '64

MOSCOW PROVINCE—SNAILS AS CARRIERS OF DISEASE

Embryogenesis and parthenogenesis of liver flukes under natural conditions and the role of the pond snail Limnaeus truncatula in the epizootiology of fascioliasis. I. N. Vasil'eva. Izv. AN Arm. SSR. Biol. nauki 15 no. 5. 83-88 My '62.

MOSCOW PROVINCE—SOILS—PHOSPHORUS CONTENT

Phosphate balance of gleyey-turf soils L. L. Shishov Dokl TSKHA no. 84:79-84 '63

MOSCOW PROVINCE—STATE FARMS—AUDITING AND INSPECTION

Pave the way for public control on state farms. G Golovachev Fin SSSR 38 no 5 58-59 My '64.

MOSCOW PROVINCE—SURGERY—CONGRESSES

Minutes of meetings Nos. 1758-1759 of the Surgical Society of Moscow and Moscow Province. Khirurgiia 39 no 8: 144-152 Ag '63

Proceedings of the 1745th, and 1746th and 1747th meetings of the Surgical Society of Moscow and Moscow Province. Khirurgiia 38 no 12 122-133 D '62

MOSCOW PROVINCE—TECHNOLOGICAL INNOVATIONS

Active fighters for all the new and advanced S Chumakov NTO 5 no 9 17-18 S '63

MOSCOW PROVINCE—WAGES—MACHINERY INDUSTRY

Indices, norms and the bonus fund. V. Bitunov. Sots. trud 9 no. 6:23-31 Je '64.

MOSCOW PROVINCE—WOODCOCK

Distribution of woodcock in Moscow Province and some features of its spring ecology. IU. M Romanov. Ornitologiia no 6 96-100 '63.

MOSCOW REGION—BIRDS—FOOD

Feeding habits of nestlings of the hedge sparrow and grasshopper warbler (Locustella fluviatilis Wolf.) in the Moscow region. A. A. Inozemtsev Ornitologiia no 6:101-103 '63

MOSCOW REGION—BIRDS—PHYSIOLOGY

Some causes and the characteristics of the body weight fluctuation in birds [with summary in English]. A. A. Inozemtsev. Zool. zhur. 43 no. 2:232-241 '64.

MOSCOW REGION—PALYGORSKITE

Palygorskite soils of the Middle Carboniferous in the Moscow Depression. I. I Trofimov. Dokl TSKHA no 84:140-150 '63.

MOSCOW REGION—WARBLERS

Feeding habits of nestlings of the hedge sparrow and grasshopper warbler (Locustella fluviatilis Wolf.) in the Moscow region. A. A. Inozemtsev Ornitologiia no 6 101-103 '63

MOSCOW RIVER see Moskva River

MOSCOW UNIVERSITY

Brief news. Khim. prom. no. 10:793-794 O '63.

December Plenum of the Central Committee of the CPSU and chemical science at Moscow University. V. M. Peshkova, S. I. Khromov, M. I. Shakhparonov. Vest. Mosk. un. Ser. 2. Khim. 19 no. 1:3-10 Ja-F '64.

MOSCOW UNIVERSITY—ENTRANCE REQUIREMENTS

Moscow. Universitet. [Handbook for students entering Moscow University] Spravochnik dlia postupaiushchikh v Moskovskii universitet. Pod red. K. I. Ivanova. [Moskva] Izd-vo Mosk. univ., 1964. 181 p.

MOSKVA RIVER—FRESHWATER FAUNA

Fauna of two streams - a water-supply canal and a river N IU Sokolova Trudy Gidrobiol ob-va 14.201-227 '63

MOSKVA RIVER—FRESHWATER FLORA

Effect of submerged aquatic vegetation on the hydrochemical regime and self-purification processes of the Moscow River. K. A. Kokin. Vest Mosk. un. Ser 6 Biol., pochv 17 no 6 33-39 N-D '62

Role of submerged macrophytes in water self-purification K A Kokin Trudy Gidrobiol ob-va 14 234-247 '63.

MOSKVA RIVER—WATER—PURIFICATION

Effect of submerged aquatic vegetation on the hydrochemical regime and self-purification processes of the Moscow River. K A Kokin Vest Mosk un Ser 6: Biol., pochv 17 no 6 33-39 N-D '62

Role of submerged macrophytes in water self-purification K A Kokin. Trudy Gidrobiol ob-va 14 234-247 '63.

MOSQUITOES

(see also subdivision under Dnieper Valley, Irkutsk Province; Tashkent Province)

Taxonomy of bloodsucking mosquitoes of the group Culiseta (Diptera, Culicidae). A. V. Maslov. Ent. oboz. 43 no 1:193-217 '64.

MOSSES see subdivision under Caucasus, Nukha region (Azerbaijan), Zakataly region (Azerbaijan)

MOTHERS' PENSIONS see subdivision under Caucasus, Northern

MOTHERWORT see subdivision under Azerbaijan

MOTHS—BIOLOGICAL CONTROL

Use entobacterin. Zashch. rast. ot vred. i bol. 9 no. 5: 45 '64.

MOTHS—EXTERMINATION

The pear moth Carpocapsa pyrivora. A. S. Matvievskii. Zashch. rast. ot vred. i bol. 8 no. 10 21-2? O '63.

MOTION-PICTURE MUSIC

Petrova, I. F. [Music of Soviet motion pictures] Muzyka sovetskogo kino. Moskva, Izd-vo "Znanie," 1964. 69 p. [Narodnyi universitet: Fakul'tet literatury i iskusstva, no. 5)

MOTION-PICTURE PHOTOGRAPHY—INDUSTRIAL APPLICATIONS

Using high-speed motion-picture photography in the study of a short-jet nozzle with a conical deflector. N. A. Grigorian. Trudy VNIIGIM 42:123-132 '63.

MOTION-PICTURE PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Study of the boiling process in Freon-12 by means of the cinematographic method. G. N. Danilova, V. K. Bel'skii, A. V. Kupriianova. Khol. tekh. 41 no. 2:36-39 Mr-Ap '64.

MOTION-PICTURE PHOTOGRAPHY, HIGH-SPEED

From work practices of laboratories of high-speed motion picture filming. M. N. Negodaev. Trudy VNIIGidrouglia no. 2.111-113 '63.

MOTION-PICTURE PLAYS

One and a half hour with investigator Lazarev IU Nekrasov. Sots zakon. 41 no. 3:95-96 Mr '64

[When the film has been completed; "Mosfil'm" producers speak] Kogda fil'm okonchen; govoriat rezhissery "Mosfil'ma." Moskva, Iskusstvo, 1964. 241 p. illus.

MOTION-PICTURE PROJECTORS

Bolokhovskii, A. M., and A. N. Karal'nik. [Motion-picture projectors for 16 mm films] Kinoproektory dlia 16-mm kinofil'mov. Moskva, "Iskusstvo," 1964. 319 p. (Biblioteka kinomekhanika)

MOTION-PICTURE STUDIOS see subdivision under Moscow

MOTION PICTURES

Vesnin, M. S. [Cherished more than anything else; on motion pictures which assert the ideas of peace and friendship of peoples] Vsego dorozhe; o kinofil'makh, utverzhdaiushchikh idei mira i druzhby narodov. Moskva, Biuro propagandy sovetskogo kinoiskusstva, 1963. 1 v. (chiefly illus. Mir, druzhba, solntse)

MOTION PICTURES—BIOGRAPHY

[Soviet motion-picture actors] Aktery sovetskogo kino. Moskva, Iskusstvo, 1964. 220 p.

MOTION PICTURES, DOCUMENTARY

Chronicle of an era. Arkadii Perventsev. Oktiabr' 40 no. 1.215-216 Ja '64.

MOTION PICTURES IN AERONAUTICS

Free fall with a motion-picture camera. F. Neimark. Kryl. rod. 15 no 6:11 Je '64.

MOTION PICTURES IN EDUCATION

Lessons on a screen P. Churbanov Prof.-tekh. obr 21 no. 5 22 My '64.

MOTION PICTURES IN MINING

From work practices of laboratories of high-speed motion picture filming. M. N. Negodaev. Trudy VNIIGidrouglia no 2 111-113 '63.

MOTION PICTURES IN SPORTS

Pevzner, V. R [Motion pictures in sports training] Kino v sportivnoi trenirovke. Riga, Latviiskoe gos. izd-vo, 1963 149 p.

MOTOR VEHICLES—COLD WEATHER CONDITIONS

Development of terrestrial railless transportation vehicles for operation in the Northern and Northeastern regions. Biul tekh.-ekon. inform Gos. nauch.-issl inst. nauch. i tekh inform. 17 no. 5 61 My '64

Storage-battery truck for starting motor vehicles. A. S. Golubev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch i tekh. inform. 17 no. 2:71-72 '64.

MOTOR VEHICLES—ENGINES

All-Russian seminar on the increase of motor capacity of engines. M. I. Aleshin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4 67-68 Ap '64.

Effect of the method of inlet pipe heating on the performance of the ZIL-130 engine under unsteady conditions I M. Lenin, IU. G. Gornushkin. Avt. prom 30 no. 3 6-8 Mr '64

MOTOR VEHICLES—ENGINES—TESTING

Zubarev, A. A. [Handbook for the mechanic on engine testing] Pamiatka slesariu po ispytaniiu dvigatelei. Moskva, Transport, 1964. 41 p. (Tekhnika bezopasnosti na avtotransporte)

MOTOR VEHICLES—ENGINES (COMPRESSED GAS)

Analyzing technical characteristics of single-stage piston compressors for motor vehicles. L. A. Egorov, V G Rozanov. Avt. prom 30 no. 3.34-40 Mr '64

MOTOR VEHICLES—FUEL SYSTEMS

Gasoline filtration in the fuel system of motor vehicles. A. A. Gureev, K. V. Rybakov, D. M Aronov Avt prom. 30 no. 3.11-13 Mr '64

MOTOR VEHICLES—MAINTENANCE AND REPAIR

Polishing spherical surfaces on a cylindrical grinding machine. G. Romanovich, V. Kolesnikov Tekh v sel'khoz. 24 no. 3:83 Mr '64

Repairing the front axle of motor vehicles. A Trigubovich. Tekh. v sel'khoz 24 no. 3:83 Mr '64.

MOTOR VEHICLES—TRANSMISSION DEVICES

Development of the designs of crankshaft rear end packing of the GAZ engines. P. E. Syrkin, IU. I. Dokukin. Avt. prom 30 no. 3.13-14 Mr '64.

Efficient degree of differential locking for multidrive motor vehicles. I. A. Levin. Avt prom. 30 no. 3: 14-18 Mr '64.

Investigating automatic adjustment of a V-belt transmission V. A. Petrov, S. A. Nazarko. Avt. prom. 30 no 3 18-22 Mr '64.

MOTOR VEHICLES—TRANSMISSION DEVICES, AUTOMATIC

Improved free-wheeling mechanism of the automatic transmission of a motor vehicle. B. S. Pospelov. Avt. prom. 30 no. 3:24-27 Mr '64

MOTOR VEHICLES—WHEELS

Balabin, I. V., and V. A. Putin. [Motor vehicle and tractor wheels] Avtomobil'nye i traktornye kolesa. Pod obshchei red. I. V. Balabina. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 334 p.

MOTORBUS LINES—STATIONS see subdivision under Moscow

MOTORIZATION, MILITARY

Combat capabilities of the company and its role in modern combat. M. Deshko, I. Semenov. Voen. vest. 43 no. 5:36-40 My '64.

MOTORTRUCKS

Baranovskii, A. G. [Trucks at building projects] Avtomobil' na stroike. [Moskva] Mosk. rabochii, 1964. 117 p.

Selivanov, I. I., and M. I. Serebrianyi. [Specialized trucks and automobile trains] Spetsializirovannye avtomobili i avtopoezda. Moskva, Izd-vo "Mashinostroenie," 1964. 213 p.

MOTORTRUCKS—BODIES

Extension sides for trucks M. Frolov, A. Kozlov. Tekh. v sel'khoz. 24 no 5:85-87 My '64

MOTORTRUCKS—MAINTENANCE AND REPAIR

Zubarev, A. A. [Adjustment of the ZIL-130 motortruck] Regulirovka avtomobiliia ZIL-130. Izd. 2., perer. i dop. Moskva, Transport, 1964. 86 p.

MOTORTRUCKS—PARTS

Moskovskii avtomobil'nyi zavod. [Catalog of parts for ZIL-164A biaxial trucks, ZIL-164AR tractor trucks, ZIL-MMZ-585L and ZIL-MMZ-585M dump trucks, ZIL-157K triaxial trucks, ZIL-MMZ-164AN and ZIL-157KV tractor trucks with saddle-type hitching arrangements] Katalog detalei dvukhosnogo avtomobilia ZIL-164A, avtomobilia-tiagacha ZIL-164AR, avtomobilei-samosvalov ZIL-MMZ-585L i ZIL-MMZ-585M, trekhosnogo avtomobilia ZIL-157K i sedel'nykh tiagachei ZIL-MMZ-164AN i ZIL-157KV. Moskva, Mashgiz, 1963 451 p

MOUNDS see subdivision under Tsimlyansk Reservoir region

MOUNTAIN SHEEP see subdivision under Kopetdag

MOUNTAINEERING see subdivision under Alps

MOUTH—CANCER

Evaluation of ligation of the external carotid artery in the treatment of cancer of the oral cavity and tongue V A Gremilo. Vop onk 8 no 11 77-84 '62

MOVEMENT (PHYSIOLOGY)

Changes in the correlations of the orientation and motor conditioned reflexes under the effect of atropine. E A. Kostandov Zhur. vys nerv deiat. 14 no.2,211-222 Mr-Ap '64

Characteristics of the formation of motor reactions in unilateral lesion of the cerebral hemispheres. S.I Kaidanova, IA. A. Meerson. Zhur. vys. nerv. deiat. 14 no 2 223-228 Mr-Ap '64.

Contemporary concepts of the structure of the motor analyzer. L.S. Gambarian. Izv. AN Arm. SSR. Biol. nauki 17 no.4 3-10 Ap '64.

Electroencephalographic characteristics in lesions of the diencephalic region and brain stem associated with progressive exophthalmos. S. M. Falikov, V B Gel'fand Zhur. vys. nerv. deiat. 14 no 2,229-238 Mr-Ap '64

Radakov, D.V., and V.R. Protasov. [The speed of swimming and some characteristics of vision in fish; a reference book] Skorosti dvizheniia i nekotorye osobennosti zreniia ryb; spravochnik. Moskva, Izd-vo "Nauka," 1964. 47 p.

MOVEMENT, PSYCHOLOGY OF

Correlation of changes in the electroencephalogram and general motor activity in normal cats during stimulation of the caudate nucleus S M. Butkhuzi. Trudy Inst. fiziol. AN Gruz SSR 13:61-68 '63

Dependence of the development of motor skills on the development and display of motor properties V D Maznichenko Teor i prak fiz kul't 27 no 2 62-63 F '64

Study of the speed of a response motor reaction of man in isolation by the polyeffector method. V.I Miasnikov. Probl kosm biol. 3,235-244 '64

MUCOUS MEMBRANE

Arginase activity of the mucous membranes of the gastrointestinal tract wall in fetal and adult cattle. S.I. Kusen', I.S. Porodko, V.IA. Dorda. Dop. AN URSR no.5:617-620 '64.

Method for the determination of the functional state of the gastric mucosa in the clinic V.N. Tugolukov, Vest. AMN SSSR 18 no.10:76-82 '63.

MUD VOLCANOES

(see also subdivision under Caspian Sea region)

Mud volcanoes their origin, development, and extinction. M.K. Kalinko. Trudy VNIGNI no.40:30-55 '64.

MUGAN STEPPE—DRAINAGE

Salt composition of the drainage waters of the Mugan-Sal'yan massif. A.S. Muradov. Dokl. AN Azerb. SSR 19 no.10:63-68 '63.

MULBERRY see subdivision under Azerbaijan; Soviet Central Asia

MULBERRY—FERTILIZERS AND MANURES see subdivision under Apsheron Peninsula

MULBERRY—IRRIGATION see subdivision under Apsheron Peninsula

MULBERRY—VARIETIES see subdivision under Azerbaijan

MULBERRY BREEDING see subdivision under Azerbaijan

MULTIPLE SCLEROSIS

Adequate optical chronaxy in disseminated sclerosis. A. M. Klimovich. Dokl. AN BSSR 8 no.4 273-275 Ap '64.

Virus of acute encephalomyelitis in man and its relation to multiple sclerosis. A. K. Shubladze and others. Vop. med. virus. no.6,275-281 '59.

MUNICIPAL SERVICES—BIBLIOGRAPHY see Bibliography—Municipal services

MUNITIONS see subdivision under Kiev

MURAL PAINTING AND DECORATION see subdivision under Boyana, Bulgaria

MURAMIDASE

Infection of lysozyme spheroplasts by DNA isolated from the ØX174 phage. B. N. Il'iashenko. Vop. virus. no.6: 667-676 N-D '63.

MURGAB OASIS—IRRIGATION

Meliorative state of lands in the Murgab Oasis and ways for its improvement. E. G. Petrov, I. A Ukulov Gidr. i mel. 16 no 5:3-9 My '64

MURGAB OASIS—PLANTS—TRANSPIRATION

Transpiration of cotton and alfalfa in Murgab and Tedzhen Oases. G.S Efimov, S. M. Parshutin. Izv. AN Turk. SSR, Ser. biol. nauk no.2 24-29 '61.

MURGAB VALLEY—PLANT LICE

Fauna of plant lice living on xerophytes in the lower Murgab Valley. M. F. Lomova Izv. AN Turk. SSR, Ser. biol nauk no.2 77-80 '64.

MURGAB VALLEY—SPHECIDAE

Ecology of some digger wasps of the genus Sphex L. (Hymenoptera, Sphecidae) in the lower Murgab Valley. S N. Miartseva. Izv. AN Turk. SSR, Ser. biol. nauk no.2. 73-77 '64

MURGAB VALLEY—XEROPHYTES—DISEASES AND PESTS

Fauna of plant lice living on xerophytes in the lower Murgab Valley. M. F. Lomova. Izv. AN Turk. SSR, Ser. biol. nauk no.2 77-80 '61.

MURMANSK COAST—FISHERIES

Distribution of young fish in the shore waters of the Murmansk Coast in 1959, 1960, and 1961. I V. Shutova-Korzh. Nauch.-tekh. biul. PINRO no.4:17-22 '62

MURMANSK PROVINCE—FISH CULTURE

Viability of humpback salmon during the embryonal period V. I. Efimov. Nauch.-tekh. biul. PINRO no.4: 25-26 '62.

MURMANSK PROVINCE—MINING ENGINEERING

Development of breaking methods in mines of the "Apatit" Combine. I. D. Litvinov and others. Gor. zhur. no.11:3-7 N '63.

MURMANSK PROVINCE—PINK SALMON

Viability of humpback salmon during the embryonal period. V. I. Efimov. Nauch.-tekh. biul. PINRO no.4: 25-26 '62.

MURRELETS see subdivision under Pacific Ocean

MUSCLE

Myotropic effect of new cardiac glycosides. N. S. Kel'ginbaev, I. Fatkhullaev. Trudy Inst. kraev. eksper. med. no.5:161-163 '63.

MUSCLE RELAXANTS

Some problems in the use of muscle relaxants in contemporary anesthesiology, questionnaire data. I. S. Zhorov and others. Eksp. khir. i anest 8 no.5 49-54 S-O '63.

Use of short-acting relaxants in the diagnosis of invagination in children [with summary in English]. L. A. Pasheratnik Eksp. khir. i anest. 8 no.5:55-57 S-O '63.

MUSCLES

Functional characteristics of the anatomical structure of the forearm muscles in some species of Sciuridae [with summary in English]. E. S. IAkovleva. Arkh. anat., gist. i embr. 44 no.5,117-127 My '63.

Functional differences in the neuromuscular system of dogs with various nervous system types. D. P. Neumyvaka-Kapustnik, A. I. Pleskin. Zhur. vys. nerv. deiat. 14 no.1:47-55 Ja-F '64.

MUSCLES—DISEASES

A case of multiple progressive myositis ossificans. B. A. Borisov. Vest. rent. i rad. 38 no.6:61-62 N-D '63.

MUSCLES—INNERVATION

Significance of the sensory neuron for the structure and regeneration of skeletal muscle [with summary in English]. R. P. Zhenevskaia. Arkh. anat., gist. i embr. 44 no.5:57-62 My '63.

MUSCLES—MOTILITY

Changes in the distribution of the components of the adenylic system and creatine phosphate during the distension of muscles. A.I. Dolidze. Trudy Inst. fiziol. AN Gruz. SSR 13:215-218 '63.

MUSCLES—WOUNDS AND INJURIES

Restoration of myoneural connections following skeletal muscle trauma in mammals after administration of vitamin B_{12} and the combined action of vitamin B_{12} and thyroidin [with summary in English]. T. M. Kovalenko. Arkh. anat., gist. i embr. 44 no.5:68-74 My '63.

MUSEUMS

(see also 'Art galleries and museums' under Gorky; Leningrad; Moscow; Parkhomovka, Kiev Province)

Increased role of museums in the communist education of workers. Agitator no.11:21 Je '64.

MUSIC

(see also subdivision under Astrakhan)

Brief news. Sov. muz. 27 no.12:149-151 D '63

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC—HISTORY AND CRITICISM

Moscow. Gosudarstvennyi muzykal'no-pedagogicheskii institut. Kafedra istorii muzyki. [Soviet musical literature] Sovetskaia muzykal'naia literatura. Moskva, Muzgiz.
No.1. 1963. 440 p.

Music, society, and the "vanguard." A. [illegible] Sov. muz. 27 no.12:108-112 D '63.

[Music and our times; a collection of articles] Muzyka i sovremennost'; sbornik statei. Moskva, Muzgiz.
No.2. 1963. 230 p.

Shneerson, G. M. [Music living and dead] O muzyke zhivoi i mertvoi. Izd.2., perer. i dop. Moskva, Muzyka, 1964. 431 p.

MUSIC—INSTRUCTION AND STUDY

Music in aesthetics education. G. A. Dobrova. Sred. spets. obr. 11 no.5:40-53 My '64.

MUSIC—PHILOSOPHY

The theory of reflection and music. V. [illegible] Sov. muz. 27 no.12:5-11 D '63.

MUSIC—STUDY AND TEACHING

(see also subdivision under Moscow)

Attention and exactingness. A. Leman Sov. muz. 27 no.12:33-35 D '63

MUSIC AND COMMUNISM see Communism and music

MUSICAL INSTRUMENTS, ELECTRONIC

Multitone electronic musical instrument. IU. [illegible] Radio no 5:29-31 My '64

MUSICAL INTERVALS AND SCALES

Sherman, N. S. [Formation of the equal-tempered system] Formirovanie ravnomerno-temperirovannogo stroia. Moskva, Muzyka, 1964. 118 p. (V pomoshch' pedagogu-muzykantu)

MUSICAL REVUE, COMEDY, ETC. see subdivision under Moscow

MUSICIANS

Kogan, P. P. [Together with musicians] Vmeste s muzykantami. Moskva, Muzyka, 1964. 315 p.

MUSTARD see subdivision under Omsk Province

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Berg, D. S. [Shoulder to shoulder; Marxist-Leninist parties as organizers of the economic cooperation of the countries participating in the Mutual Economic Assistance Council] Plechom k plechu; marksistsko-leninskie partii — organizatory ekonomicheskogo sotrudnichestva stran — uchastnits SEV. Leningrad, [illegible] "Znanie," 1963. 64 p.

Developing the chemical industry in the countries participating in the Mutual Economic Assistance Council, and the socialist international division of labor. V. Gavrilov. Nauch. dokl. vys. shkoly; ekon. nauki 7 no.1:[illegible] '64.

Development of the national economy and culture in the socialist countries of Europe. P. Bychkov. Nauch. dokl. vys. shkoly; ekon. nauki 7 no.1:66-77 '64.

Os'mova, M. N. [New trends in the economic relations of the member-countries of Comecon] Novye napravleniia ekonomicheskikh sviazei stran - uchastnits SEV. [Moskva] Izd-vo Mosk. univ., 1964. 58 p.

Several problems in the economics of the world socialist system. M. Usievich. Vop. ekon. no.5:84-92 My '64.

Ways to improve the efficiency of production in the countries participating in the Mutual Economic Assistance Council. I. Dubinskii. Vop. ekon. no.6:74-88 Je '64

MYCOLOGICAL RESEARCH see subdivision under United States

MYCOLOGY

Work of the mycological section of the All-Union Botanical Society during the period November 1958-1962. A. S. Bondartsev and others. Bot. zhur. 49 no.2:311-318 F '64.

MYCOSIS

Treatment of superficial fungal diseases of the skin with trinitrotoluene preparations. V. D. Makeev. Vest. derm. i ven. 37 no.6:36-38 Je '63.

MYELIN

Myelinization of the cortex of the supratemporal surface of the human gyrus temporalis superior during postnatal ontogenesis. O.S. Sirotina. Arkh. anat., gist. i embr. 44 no.4:73-80 Ap '63.

MYONEURAL JUNCTION

Functional differentiation of motor units in insects. T.N. Oniani. Trudy Inst. fiziol. AN Gruz. SSR 13:127-130 '63.

MYONEURAL JUNCTION (Continued)

Restoration of myoneural connections following skeletal muscle trauma in mammals after administration of vitamin B_{12} and the combined action of vitamin B_{12} and thyroidin [with summary in English] T M. Kovalenko Arkh. anat., gist. i embr. 44 no. 5:68-74 My '63.

MYRNYI, PANAS, 1849-1920

Realism of L. Tolstoi's and P. Myrnyi's literary works. V.V. Pashchenko. Pratsi Od un. Zbir. stud. rob. 146 no. 4:33-39 '56.

NAGYLOK, HUNGARY—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

It happened in the village Nagylok I Shilingovskii Sov voin 46 no 7 14-15 Ap '64

NAKHICHEVAN A. S. S. R.—PASTURES AND MEADOWS

Results of the experiments in improving summer pastures in the Nakhichevan A.S.S.R. G.A. Bekhbudov. Dokl. AN Azerb.SSR 19 no.10:85-80 '63.

NAKHICHEVAN A. S. S. R.—TRACE ELEMENTS

Geochemistry of disseminated elements in the Nakhichevan fold zone. F.V. Mustafabeili. Zakonom. razm. polezn. iskop. 7:366-369 '64.

NAMES, GEOGRAPHICAL see subdivision under Caucasus, Great Britain

NAPHTHALENE

Catalytic demethylation of methylnaphthalenes A A Krichko, L S. Sovetova Neftekhimiia 4 no 1 11-15 Ja-F '64

Diffusion of naphthalene in compressed ethylene and carbon dioxide. M.B. Iomtev, IU.V. TSekhanskaia. Zhur. fiz. khim. 38 no.4:896-900 Ap '64.

High temperature modification of 1,8-dinitronaphthalene. V.M. Kozhin. Zhur. strukt. khim. 5 no.2:324 Mr-Ap '64.

Preparation and some transformations of α-amino alcohols of the naphthalene series. K.D. Petrov, R.G. Tikhomirova. Zhur. ob. khim. 34 no.3:909-911 Mr '64.

NAPHTHOIC ACID

Preparation in insoluble (in water) arylides of 2, 3-hydroxynaphthoic acid containing sulfonamide bonds. M. P. Romashkin. Dokl. LPI 5 no. 1/2:182-187 '63.

NAPHTHOL

Physicochemical analysis of the ternary system urea - β-naphthol - acetamide. Z.K. Dzholomanova, N.Z. Rudenko, N.K. Topal. Zhur. ob. khim. 34 no.3:731-734 Mr '64.

NAPHTHOTHIAZINE

Derivatives of naphthothiazinidine. A.E. Kretov, A.S. Bespalyi. Zhur. ob. khim. 34 no.3:999-1001 Mr '64.

NAPOLEON III, 1808-1873

Contemporary bourgeois historiography on Napoleon III and the Second Empire. IA. I. Drazninas. Nov. i noveish. ist. no. 2:48-58 '64.

NATIONAL SONGS, CZECH

"Fidlovačka." L. N. Titova. Uch. zap. Inst. slav. 28:254-267 '64.

NATIONALITIES

(see also subdivision under Canada; Soviet Central Asia)

Books on Lenin's nationality policy. S. Z. Mandel'. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 5. 222-226 '64.

Dzhandil'din, D. N. [Communism and the development of national relations] Kommunizm i razvitie natsional'nykh otnoshenii. Moskva, Izd-vo "Mysl'," 1964. 201 p.

Dzhangveladze, G. A. [Criticism of the bourgeois falsifiers of the CPSU's nationality policy] Kritika burzhuaznykh fal'sifikatorov natsional'noi politiki KPSS. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1964. 81 p.

The methods of further development and rapprochement of the socialist nations. V. P. Samukhin, A. P. Troianovskii. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 5:104-122 '64.

"Struggle of the Communist Party for the resolution of the national question during the period of 1918-1920" by M. I. Kulichenko. Reviewed by P. P. Bachinskyi, M. A. Konovalov. Ukr. ist. zhur. 8 no. 2:144-146 Mr-Ap '64.

NATURAL GAS see Gas, Natural

NATURAL HISTORY

(see also subdivision under Caucasus; Siberia)

K. F. Roullier's theory of the evolution of the organic world L. Sh. Davitashvili. Vop. filos 18 no 5 85-91 '64.

NATURAL RESOURCES

(see also subdivision under Tomsk Province)

Udachin, S. A. [Land resources of Russia] Zemel'nye bogatstva Rossii. Moskva, Sovetskaia Rossiia, 1963. 409 p. map (insert)

NATURE, HEALING POWER OF

Laptev, A. P. [Building up strength and health] Zakalivanie i zdorov'e. Moskva, "Fizkul'tura i sport," 1964. 51 p. (Bibliotechka "Fizkul'tura i zdorov'e)

NATURE STUDY

Talking about nature to the little ones. A. Nekhliudova. Doshk. vosp 37 no.5:82-84 My '64.

NAUMOV, NIKOLAI PAVLOVICH, 1902-

Anniversary of Professor N P Naumov Vest Mosk un Ser 6 Biol, pochv 17 no 6 69-74 N-D '62

NAVAL ARCHITECTURE

Fukel'man, V. L. [Theory of ships and the principles of hydromechanics] Teoriia korablia s osnovami gidromekhaniki. Leningrad, Izd-vo "Sudostroenie," 1964. 349 p.

NAVAL ARCHITECTURE—TABLES, CALCULATIONS, ETC.

Justifying the propulsive speed and the structural elements of a proposed vessel. L. M. Nogid. Sudostroenie 30 no. 5:18-20 My '64.

NAVAL EDUCATION

Beginning of the journey. Voen. znan. 40 no. 4:8 Ap '64.

NAVIES see subdivision 'Navy' under United States

NAVIGATION

What should modern sailing directions be like? A. Rumiantsev. Mor. flot 24 no. 3:20-22 Mr '64.

NAVIGATION—HYGIENIC ASPECTS

Sanitary characteristics of navigation in the works of the first public health physicians and their activities. G. P. Dolmatov. Trudy Perm. gos. med. inst. 43:292-297 '63.

NEAR EAST—CALENDAR

Tsybul'skii, V. V. [Currently used calendars in the countries of the Near East and Middle East; with synchronistic tables and explanations] Sovremennye kalendari stran blizhnego i srednego vostoka, sinkhronisticheskie tablitsy i poiasneniia. Moskva, Izd-vo "Nauka," 1964. 235 p.

NEAR EAST—HISTORY

Problems of the modern and recent history of the countries of the Balkan Peninsula and the Near East, an academic conference at the Kuybyshev University. S.A. Nov. i noveish. ist. no. 2:180-190 '64

NEBULAE

Discovery of new planetary nebulae. I. I. Grygar. Priroda 53 no. 6:112 '64.

Investigation of radial velocities and internal motions of diffuse nebulae by means of a Fabry-Perot standard. R. E. Gershberg, P. V. Shcheglov. Astron. zhur. 41 no. 3:475-420 My-Je '64.

Observations of an unusual nebula near the direction toward the galactic center P. V. Shcheglov Astron tsir. no. 240 2-4 Ap '63.

NEHRU, JAWAHARLAL, 1889-1964

Nehru, architect of the new India. R. A Ul'ianovskii Nov vrem. 21 no. 23.10-19 Je '64.

NEISHTADT, MARK IL'ICH, 1903-

On the 60th anniversary of M. I. Neishtadt's birthday N. A. Khotinskii. Izv AN SSSR. Ser. geog. no. 3 126-129 '64

NEJEDLY, ZDENEK, 1878-1962

Akademiia nauk SSSR. Institut slavianovedeniia. [Zdenek Nejedly, prominent public personality and scholar] Zdenek Needly vydaiushchiisia obshchestvennyi deiatel' i uchenyi. Moskva, Izd-vo "Nauka," 1964. 270 p.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Anonymous article written by Nekrasov on Russian literature of the year 1843. A. N. Lur'e. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 6:524-531 N-D '63.

Thirteenth Nekrasov Conference. N. Nikitina, T. Nikonova. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 6:555-559 N-D '63.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877—MUSEUMS, RELICS, ETC.

Karabikha, Muzei-Usad'ba N. A. Nekrasova. [Guide to the N. A. Nekrasov Residence-Museum in Karabikha] Putevoditel' [By] A. F. Tarasov. IAroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 98 p.

NEMATODA see subdivision under Moldavia; Odessa region; Uzbekistan

NEMATODA—BIOLOGICAL CONTROL

Predatory soil fungi against pathogenic Nematoda. F.F. Soprunov. Zashch. rast. ot vred. i bol. 9 no. 2:21-22 '64.

NEMATODE DISEASES OF PLANTS

An effective means against the potato stem nematode. S. P. Saf'ianov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:65-66 Ap '64.

Predatory soil fungi against pathogenic Nematoda. F.F. Soprunov. Zashch. rast. ot vred. i bol. 9 no. 2:21-22 '64.

NEMCHINOV, VASILII SERGEEVICH, 1894-

Honoring Academician V. S. Nemchinov. Vest. AN SSSR no. 5. 156-159 My '64.

NEOMYCIN

Neomycin biosynthesis in media with glucose and starch [with summary in English]. M. M. Levitov, A N. Meshkov. Mikrobiologiia 32 no. 4:717-722 Jl-Ag '63.

NEOPRENE

Crystallinity of nairit rubber N M Kocharian, P A Bezirganian, M A. Navasardian. Dokl An Arm.SSR 38 no 3 149-151 '64

NEO-SCHOLASTICISM

Criticism of the neo-Thomist philosophy of nature. M. V. Zhelnov. Vest. Mosk. un. Ser. 8: Ekon., filos. no. 3.73-84 My-Je '64.

NEPES, MOLLA

Kekilov, Aman. [Great lyric poet] Velikii lirik. Ashkhabad, Turkmengosizdat, 1963. 208 p.

NEPTUNIUM

Isolation of neptunium-239 from irradiated uranium by means of ion exchange. A D. Gel'man and others. Radiokhimiia 6 no. 1 35-42 '64.

NEPTUNIUM COMPOUNDS

Study of the complex formation of pentavalent neptunium in phosphate solutions by means of ion exchange. A.I. Moskvin, V.F. Peretrukhin. Radiokhimiia 6 no. 2:206-214 '64.

NERCHINSKIY ZAVOD REGION (CHITA PROVINCE)—HOSPITAL SCHOOLS

Hospital schools at the Nerchinsk plants. E. D. Petriaev. Trudy Perm. gos. med. inst. 43:182-184 '63.

NERVES

Development of the terminal synapses in ontogenesis S. A Troitskaia Arkh anat, gist i embr 44 no 4 110-115 Ap '63.

Sergeev, IU. P. [Morphological fundamentals of reflex contractures] Morfologicheskie osnovy reflektornykh kontraktur. Moskva, Meditsina, 1964. 231 p.

NERVES—TUMORS

Unusual case of neurinoma of the pancreas. S. T. Segatov. Khirurgiia 39 no. 8:122-123 Ag '63.

NERVES, PERIPHERAL—DISEASES

Shakhnovich, R. A., ed. [Methodological fundamentals of medical expertise on the capacity for work in diseases of the peripheral nervous system] Metodicheskie osnovy vrachebno-trudovoi ekspertizy pri zabolevaniiakh perifericheskoi nervnoi sistemy. Moskva, Meditsina, 1964. 111 p. (Biblioteka prakticheskogo vracha)
(DNLM)

NERVES, SPINAL

Changes in the microstructure of walls of collateral arteries after deafferentation of the pelvic extremity in dogs [with summary in English]. R. A. Bardina. Arkh. anat. gist. i embr. 43 no. 10:61-70 O '62.

NERVES, SPINAL—DISEASES

Pneumomyelography in the diagnosis of secondary radicular syndromes. N. V. TSyvkin. Trudy Gos. nauch.-issl. psikhonevr. inst. 31:355-363 '63.

NERVOUS SYSTEM

Akademiia nauk Moldavskoi SSR. Institut zoologii. [Papers on neurophysiology] Sbornik po neirofiziologii. Kishinev, Kartia Moldoveniaske, 1963. 99 p.

Atherosclerosis in young dogs induced by a prolonged functional stress of the central nervous system. P S. Khomulo. Dokl. AN SSSR 156 no. 4:976-978 Je '64.

Characteristics of the neuronal structure and topography of the reticular formation in carnivora. G. P. Zhukova, T. A. Leontovich. Zhur. vys. nerv. deiat. 14 no. 1:124-147 Ja-F '64.

Cytochemical examination of the glycogen of the central nervous system of frogs after gamma irradiation [with summary in English]. A. L. Shabadash, S. O. Enenko, L. V. Orlova. Arkh. anat., gist. i embr. 44 no. 5:26-36 My '63.

Distribution of cytochrome oxidase and mitochondria in differential cellular formations of the cutaneous and motor analysors in some mammals. E. L. Tumanian. Zhur. vys. nerv. deiat. 14 no. 1:148-154 Ja-F '64.

Effect of prolonged transverse overloads on the functional state of the central nervous system in animals. V. E. Belai, P. V. Vasil'ev, S. P. Kolchin. Probl. kosm. biol. 3:316-323 '64.

Elements of automation in the technique of research in higher nervous activity. E. Frantik, M. Horvat. Zhur. vys. nerv. deiat. 14 no. 2:358-363 Mr-Ap '64.

Features of higher nervous activity in incomplete pregnancy. IU. F. Zmanovskii, V. N. Shishkova. Akush. i gin. no. 1:67-72 '63.

Functional differences in the neuromuscular system of dogs with various nervous system types. D. P. Neumyvaka-Kapustnik, A. I. Plaskin. Zhur. vys. nerv. deiat. 14 no. 1:47-55 Ja-F '64.

NERVOUS SYSTEM (Continued)

[illegible] I. D. [illegible] Zh [illegible] 1-17 [illegible] '63

[illegible] determination [illegible] stimulation [illegible] Zh [illegible] '64

[illegible] of the expanded scientific [illegible] Brain Structure and [illegible] V. I. Pozis. [illegible] 63 no. 6 945-946 [illegible]

[illegible] stimulation in controlling [illegible] of parasitic and free-living worms [illegible] Usp. sovr. biol. 57 no. 3,449-462 [illegible]

[illegible] system in the development of pneumo- [illegible] M. I. Nemchenko. Trudy Smol NIVS [illegible] '62

NERVOUS SYSTEM—BIRDS

[illegible] conditioned re- [illegible] 401-417 '63

NERVOUS SYSTEM—DEGENERATION AND REGENERATION

[illegible] of the cerebral cortex regenerated [illegible] N. N. Dzidzishvili. Trudy Inst. fiziol. AN Gruz. SSR 13:45-60 '63

NERVOUS SYSTEM—DISEASES

[illegible] of some experimental [illegible] under the influence of supple- [illegible] P. I. Remezov [illegible] 3 [illegible] 272-275 '59

January Plenum of the Board of the All-Union Scientific [illegible] Society of Neuropathologists and Psychiatrists, [illegible] G. K. Ushakov. Zhur. nevr. i psikh 63 [illegible] 948-950 '63

Malignant exophthalmos as a neuro-endocrine form of diencephalic syndrome. D. R. Shtul'man. Sov. med. 27 no. 10 76-82 O '63

Makarchenko, A. F., and A. D. Dinaburg. [Influenza and the nervous system] Gripp i nervnaia sistema. Kiev, Izd-vo Akad. nauk USSR, 1963. 314 p.
(DNLM)

Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii institut. [Basic problems of neuropathology; transactions of the Institute] Osnovnye problemy nevropatologii, trudy instituta. Pod red. F. A. Poemnogo. [Moskva] 1963. 520 p.
(DNLM)

Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii institut. [Progress in the diagnosis and treatment of nervous diseases, transactions of the Institute] Uspekhi v diagnostike i lechenii nervnykh zabolevanii; trudy instituta. Pod red. V. IA. Neretina. Moskva, 1963. 358 p
(DNLM)

Review of M. B. TSuker's book "Fundamentals of pediatric neuropathology." N. S. Preobrazhenskaia, I. A. Stankevich. Zhur nevr. i psikh 63 no. 6 942-944 '63.

Review of the "Topical diagnosis of diseases of the nervous system" by E. K. Sepp and others. V. Levi. Sov. med. 27 no. 10 154-155 O '63.

Review of the transactions of the "Fourth International Congress of Neuropathologists, Munich 1961." Zhur. nevr. i psikh 63 no. 6:946-947 '63

Urgent tasks of virological studies in neuropathology. N. G. Parov. Vop. med virus. no. 6:207-211 '59.

Virological study of the etiology of neural infections in children. I. N. Lychkova. Vop. med. virus. no. 6: 221-226 '59.

Zedginidze, G. S. [The TSkhaltubo Health Resort and its neurological profile] Kurort TSkhaltubo i ego nevrologicheskoe profilirovanie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 303 p.
(DNLM)

NERVOUS SYSTEM—DISEASES—BIBLIOGRAPHY see Bibliography—Nervous system—Diseases

NERVOUS SYSTEM—INSECTS

Bioelectric activity of the nervous system in developing and diapausing pupae of lepidopterons (Lepidoptera). V. P. Tyshchenko. Ent. oboz. 43 no. 1 118-130 '64

Functional differentiation of motor units in insects. T. N. Oniani. Trudy Inst. fiziol. AN Gruz. SSR 13:127-138 '63.

NERVOUS SYSTEM—SURGERY

Surgical treatment of congenital myelocele. IA. D. Vitebskii. Sov. med. 27 no. 10:123-127 O '63.

NERVOUS SYSTEM, PARASYMPATHETIC

Importance of cholinergic indices in the pathogenesis and treatment of some dermatoses [with summary in English]. I. V. Shchutskii. Vest. derm. i ven. 37 no. 6: 13-19 Je '63.

Some characteristics of voluntary and involuntary emotional reactions in man. P. V. Simonov, M. N. Valueva, P. M. Ershov. Zhur vys nerv. deiat. 14 no. 2 204-210 Mr-Ap '64.

NERVOUS SYSTEM, SYMPATHETIC

Carbohydrate metabolism during "sympathetic" pneumonias. M. I. Nemchenko. Trudy Smol NIVS no. 9:120-127 '62

Effect of adrenaline injection on the nucleic acid content of neural and glial cells of the sympathetic ganglion. L. Z. Pevzner. Dokl. AN SSSR 156 no. 5 1213-1214 Je '64

NERVOUS SYSTEM, SYMPATHETIC—SURGERY

Arteriography in obliterating processes of the peripheral vessels and indications for sympathectomy. I. I. Epshtein. Trudy Gos nauch.-issl. psikhonevr. inst. 31:315-329 '63

Restoration of the arterial circulation in extracranial occlusions of the carotid artery. V. Marinesku, D. Setlachek, P. Nash. Khirurgiia 39 no. 8 100-107 Ag '63

NERVOUS SYSTEM, VASOMOTOR

Effect of intravenous injection of novocaine on the vascular reflex reactions in thyrotoxicosis. B. P. Braslavskaia. Sov. med. 27 no. 10 127-129 O '63.

NETHERLANDS—CHESS—TOURNAMENTS

Tournament of "stars" in Holland. A. Lilienta1'. Sov. profsoiuzy 20 no. 9 48 My '64.

NETHERLANDS—HISTORY

Chistozvonov, A. N. [The reformation movement and the class struggle in the Netherlands during the first half of the 16th century] Reformatsionnoe dvizhenie i klassovaia bor'ba v Niderlandakh v pervoi polovine XVI veka. Moskva, Izd-vo "Nauka," 1964. 397 p.

NEURAMINIC ACID

Neuraminic acid aldolase activity in rat kidneys in experimental nephrosis. I. V. TSvetkova, A. B. Kozina. Vop. med. khim. 9 no. 1 96-98 Ja-F '63.

NEUROCHEMISTRY

Glucose and pyruvate absorption and lactate secretion by the brain after insulin and conditioned insulin stimulation and in amytal-induced sleep. G. S. Khachatrian. Izv. AN Arm. SSR Biol. nauki 15 no. 5:51-62 My '62.

Seasonal changes in the neurosecretion of the hypothalamus and the hypophyseal activity in Peking ducks. IE. O. Moshkov, L. S. Feliks. Dop. AN URSR no. 5 674-677 '64.

NEUROLOGY

Contemporary concepts of the structure of the motor analyzer. L. S. Gambarian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:3-10 Ap '64.

Review of H. Joschko's book "Functional neurological diagnosis." N. K. Bogolepov. Zhur. nevr. i psikh 63 no. 6:942 '63.

Review of Hugh Garland's book "Scientific aspects of neurology". D. S. Futer. Zhur. nevr. i psikh 63 no. 6:935-939 '63.

Role of clinical neurology in the light of decisions of the Central Committee of the CPSU and of the Council of Ministers of the U.S.S.R. on measures for further development of biological science and strengthening its ties with the practice. N. I. Grashchenkov. Zhur. nevr. i psikh 63 no. 6:801-803 '63.

Treatment of neurodermatitis circumscripta with radioactive bandages containing an active coating of daughter products of thorium (alphatherapy) with summary in English] A. F. Tret'iakov, E. S. Shchepot'eva. Vest. derm. i ven. 37 no. 9 34-38 S '63

NEUROPSYCHIATRY

Review of Kurt Kolle's book "Outstanding representatives of neuropsychiatry". E. IA. Shternberg. Zhur. nevr. i psikh. 63 no. 6:939-942 '63.

NEUROSES

Brain tissue auto-antibodies in neural diseases. R. K. Shamrei. Zhur. nevr. i psikh. 63 no. 6:814-818 '63.

On spatial analysis of conditioned sound stimuli and on experimental neurosis caused by the spatial approximation of the sources of sound stimulation. M. M. Khananashvili. Zhur. vys. nerv. deiat. 14 no. 2 270-276 Mr-Ap '64.

NEUTRALITY

Nonalignment, peace and economic development. IU. Nasenko. Mezhdunar. zhizn' 11 no. 6:131-134 Je '64.

NEUTRINOS

Proton-proton cycle and solar neutrinos. G. E. Kocharov. Dokl. AN SSSR 156 no. 4:781-784 Je '64.

NEUTRINOS—SCATTERING

Spin correlations in neutrino and antineutrino scattering by electrons. B. K. Kerimov, IU. I. Romanov. Zhur. eksp. i teor. fiz. 46 no. 5:1912-1914 My '64.

NEUTRON SPECTROMETERS

Scintillation gamma-spectrometer with fast neutron discrimination. V. N. Bochkarev, V. V. Nefedov. Prib. i tekh eksp. 8 no. 6 23-28 N-D '63

NEUTRONS

Corona counters of slow neutrons; review. [illegible] chenov, V. G. Chaikovskii. Prib. i tekh. [illegible] 5-12 N-D '63

Preparation of thin titanium deuteride and [illegible] tritium targets. A. M. Morozov, [illegible] Prib. i tekh eksp. 8 no. 6 [illegible] N-D '63

NEUTRONS—CAPTURE

Search of the interference of resonance [illegible] neutrons with potential capture at the [illegible] level for gold nuclei. D. Dorchoman and others. [illegible] eksp. i teor. fiz. 46 no. 5 1578-1585 My '64

NEUTRONS—SPECTRA

Spectra of photoneutrons from platinum, [illegible] and uranium. IU. IA. Glazunov and others. [illegible] i teor. fiz. 46 no. 5:1906-1909 My '64

NEVA BAY—WATER—POLLUTION

Pollution of the Neva Bay as related to the [illegible] T. G. Kokolita, L. I. TSvetkova. Trudy [illegible] 14 151-158 '63.

NEW PRODUCTS

What norms are necessary during the [illegible] of new production. V. Mikhailov. [illegible] 122-125 My '64.

NEW YORK (CITY)—DESCRIPTION

Strel'nikov, B. G. [New York evenings] N'iu-Iorkskie vechera. Moskva, Izd-vo "Pravda," 1964. 61 p. (Biblioteka "Ogonek," no. 7)

NEWCASTLE DISEASE

Book reviews and bibliography. Vop. virus. [illegible] N-D '63.

Comparative resistance of the hemagglutinins of [illegible] viruses of the classic fowl plague and Ne[illegible] disease. G. A. Safonov, G. A. Ivanova, V. [illegible] Vest. sel'khoz. nauki 9 no. 5:67-71 My '64

NEWFOUNDLAND—HARP SEAL

Studying harp seal off Newfoundland. [illegible] Nauch.-tekh. biul. PINRO no. 4:20-20 '63.

NEWSPAPERS

Sunday issue of newspapers. S. M. Gurevich. [illegible] no. 2:30-32 F '64.

We favor six-column format. N. Mytsenko. [illegible] no. 2:32-33 F '64.

NICKEL

Energy distribution of nickel atoms obtained in the cathode sputtering of nickel by mercury ions. [illegible] Ben'iaminovich, V. I. Veksler. Zhur. tekh. fiz. 34 no. 2:361-366 F '64.

Kinetics of the dissolution of nickel and iron in [illegible] solutions of hydrochloric acid and ferric chloride. V. N. Kriukova, A. L. TSeft. Trudy IMI [illegible] '63.

NICKEL—ANALYSIS

Determination of nickel in the presence of cobalt [illegible] catalytic reaction tiron - diphenylcarbazone [illegible] peroxide. L. F. Dolmanova, G. A. Zolotova, V. [illegible] kova. Vest. Mosk. un. Ser. 3: Khim. 19 no. 2 [illegible] Mr-Ap '64.

NICKEL—METALLURGY

Borogovskii, V. I. [Nickel and its importance for the national economy] Nikel' i ego znachenie dlia narodnogo khoziaistva. Moskva, Izd-vo Metallurgiia, 1964. 51 p.

Studying conditions for the dissolution of a [illegible] copper-nickel concentrate in a solution of ferric chloride. V. E. Klets, A. P. Serikov. Trudy IHI no. 16:31-39 '63.

NICKEL—SPECTRA

Studying the phonon spectrum of nickel by the X-ray [illegible] fusion scattering method. S. V. Semenovskaia and others. Fiz. tver. tela 6 no. 4:1100-1103 Ap '64.

NICKEL-ALUMINUM ALLOYS see Aluminum-nickel alloys

NICKEL CATALYSTS

Catalytic conversions of cycloundecane in the presence of a nickel catalyst. E. S. Balenkova. Neftekhimiia 4 no. 1:16-20 Ja-F '64

NICKEL CHLORIDES

Change of acidity in the catholyte layer during electrolysis of nickel chloride solutions. T. M. Ovchinnikova, [illegible] Taran, A. L. Rotinian. Zhur. fiz. khim. 36 no. 9: 1909-1913 S '62.

NICKEL COMPOUNDS

Study of selenocyanate complexes of nickel in dimethylformamide. V. V. Skopenko, A. I. Brusilovets. Ukr. khim. zhur. 30 no. 1:24-28 '64.

NICKEL-COPPER ALLOYS see Copper-nickel alloys

NICKEL CRYSTALS

Domain structure of mechanically deformed nickel crystals. I. P. Antipin, L. V. Kirenskii, M. K. [illegible] Kristallografiia 9 no. 3:420-432 My-Je '64.

NICKEL CRYSTALS—ACOUSTIC PROPERTIES

Variation in ultrasound attenuation in nickel single crystals as dependent on the temperature and magnetic field strength. V.F Taborov. Akust zhur 10 no 2 251-252 '64.

NICKEL PLATING
(see also subdivision under Czechoslovakia)

Cathodic polarization of a silicon electrode in the electrodeposition of tin and nickel. V.P. Zosimovich, V.D. Nemtsov. Ukr.khim.zhur. 30 no.1:59-62 '64.

Chemical nickel plating of chromium nickel austenitic steels. A.V.Riabchenkov, V I.Velemitsina. Metalloved. i term.obr met. no.4:21-24 Ap '64

Structure and properties of electrolytic deposits of nickel obtained in the ultrasonic field. S.M.Kochergin, G.IA.Vlaseleva. Zhur.fiz.khim 38 no 4:839-844 Ap '64.

NICKEL-RHENIUM ALLOYS see Rhenium-nickel alloys

NICKEL ZINC FERRATES—ELECTRIC PROPERTIES

Electric properties of high-resistance nickel-zinc ferrates. A.A.Samokhvalov, A.G.Rustamov. Fiz.tver tela 6 no.4:969-973 Ap '64.

NIKOLAYEV PROVINCE—SHIPBUILDING

Plenum of the Nikolayev Province Administration of the Scientific Technology Society. L.M.Bystrevskii. Sudostroenie 30 no.5:69-70 My '64.

NIKOPOL' REGION (UKRAINE)—MANGANESE ORES

[Nikopol' manganese-ore basin] Nikopol'skii margantsevorudnyi bassein. Moskva, Izd-vo "Nedra," 1964. 534 p.

NIKOPOL' REGION (UKRAINE)—MINE DRAINAGE

Efficient ways of draining the Shevchenko strip mine of the Nikopol' manganese deposit S.A.Ustinov. Nauch. zap.Ukrniiproekta no.10:108-116 '63.

NIOBIUM

Extraction of n-benzoylphenylhydroxylaminates of protactinium, zirconium, and niobium from sulfuric acid solutions. R.A D'iachkova, Vikt.I.Spitsyn. Radiokhimiia 6 no.1:102-104 '64.

NIOBIUM—ANALYSIS

Spectrophotometric semimicrodetermination of niobium in a loparite concentrate. I.P.Alimarin, Khan' Si-i [Han Hsi-i]. Vest.Mosk.un.Ser.2: Khim. 19 no.1: 65-66 Ja-F '64.

NIOBIUM—MAGNETIC PROPERTIES

X-ray emission bands and the magnetic properties of niobium. M.I.Korsunskii, IA.F.Genkin. Izv.AN SSSR. Ser.fiz. 28 no.5:832-833 My '64.

NIOBIUM—SPECTRA

Energy spectrum of metallic niobium. I.G.Shveitser, I.IA.Nikiforov, V.P.Sachenko. Izv.AN SSSR.Ser. fiz. 28 no.5:797-800 My '64.

NIOBIUM BROMIDE

Aqueous solution of niobium tetrabromide. S.S.Berdonosov, A.V.Lapitskii, L.G.Vlasov. Vest.Mosk.un.Ser. 2: Khim. 19 no.2:26-29 Mr-Ap '64.

NIOBIUM CARBIDES

Interaction between niobium carbide and tungsten. IU.N. Vil'k and others. Teplofiz.vys.temp. 2 no.2:274-279 Mr-Ap '64.

NIOBIUM-COBALT ALLOYS—METALLOGRAPHY

Crystal structure of the β-phase of the system Nb-Co and the solubility of silicon in it. IU.B.Kuz'ma and others. Dop.AN URSR no.5:600-603 '64.

NIOBIUM COMPOUNDS

Change in the character of the bonding forces in the system niobium - nitrogen. M.I.Korsunskii, IA.F. Genkin. Izv.AN Kazakh.SSR.Ser.fiz.-mat.nauk no.2:70-75 '63.

Process of extraction of inner-complex compounds of niobium and tantalum with lumogallion and pyridylazoresorcinol. I.P.Alimarin, Khan' Si-i [Han Hsi-i]. Vest.Mosk.un.Ser.2: Khim. 19 no.2:41-44 Mr-Ap '64.

NITRARIA see subdivision under Kazakhstan; Soviet Central Asia

NITRATES

Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 1: Nitrate solutions. V.I.Tikhomirov, A.A.Kuznetsova, E.D.Batorskaia. Radiokhimiia 6 no.2:173-181 '64.

NITRATION

Nitration of some aromatic hydrocarbons. Report No.1. M.M.Dashevskii, G.N.Terent'eva. Nauch.zap.Od. politekh.inst. 40:91-94 '62.

NITRIFICATION

Effect of the size of fractions of urea-formaldehyde fertilizers on the biochemical capacity of soils for nitrate accumulation and the yield of cotton. G I. Efrovenko, A A Umarov. Uzb.biol zhur 7 no 6: 62-66 '63.

NITRILES

Preparation of polymers by polyrecombination of the nitriles of aromatic and aliphatic acids. V A.Vasnev, S.L.Sosin, V.V.Korshak. Vysokom.soed. 6 no.5 843-849 My '64.

NITRITES see subdivision under Black Sea

NITROBENZENE

Catalytic reduction of aromatic nitro compounds. Part 13: Kinetics and mechanism of nitrobenzene reduction on palladium. V P.Shmonina, R.M.Abdrakhmanova. Zhur.ob khim. 34 no.3:869-875 Mr '64

NITROCELLULOSE

Possibility of preparing nitrodeoxycellulose by nucleophilic substitution. N.Kholmuradov and others. Vysokom.soed. 6 no.5:963 My '64

NITROGEN

Electrosynthesis of ozone. Part 7. IU.V Filippov, V.P.Vendillo. Zhur.fiz.khim. 36 no 9:1987-1992 S '62.

Formation of N_3^+ and N_4^+ ions in a mass spectrometer M.V.Tikhomirov, V.N.Komarov, N.N Tunitskii. Zhur.fiz.khim. 38 no.4:955-956 Ap '64.

Nitrogen and vitamin requirements of various species of dysentery bacteria; author's abstract. T.A.Kiprianova Zhur.mikrobiol.,epid.i immun 40 no.10:147 O '63.

Reactions of nitrogen atoms. Report No.3: Rate constant and mechanism of the reaction of nitrogen atoms with acetylene. L.I.Avramenko, V.M.Krasnen'kov Izv.AN SSSR.Ser.khim. no.5:822-825 My '64.

NITROGEN—FIXATION

Effect of growth stimulators and trace elements on the productivity of atmospheric nitrogen fixation by attenuated Azotobacter strains. E K.Karasevich. Dokl TSKHA no.84:274-279 '63

Effect of molybdenum and vanadium on nitrogen fixing N.V.Krylova Dokl TSKHA no.84:293-300 '63

Effect of the concentration of different components of the medium on the growth and nitrogen fixation of blue-green algae [with summary in English]. Mohamed Sameh Taha. Mikrobiologiia 32 no.4:582-589 Jl-Ag '63

Nitrogen fixation on complex catalysts M.E.Vol'pin, V.B.Shur. Dokl.AN SSSR 156 no.5:1102-1104 Je '64.

NITROGEN—SPECTRA

Effect of CO on N_2 radiation in a glow discharge. V.V. Kokhanenko, N.A.Prilezhaeva, L.A Chernenko. Izv vys.ucheb.zav.; fiz. no.2:73-76 '64.

NITROGEN—THERAPEUTIC USE

Treatment of warts with liquid nitrogen. M.K. Karapetian, L.M.Rozentul. Vest.derm.i ven. 37 no.6:73-75 Je '63.

NITROGEN FERTILIZERS see subdivision under Russia, Northwestern

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN ISOTOPES—SPECTRA

Using spectrum analysis for determining the isotope composition of nitrogen in biological and soil tests. K.I.Obolenskaia, N.T.Zhadkova. Khim.v sel'.khoz. 2 no.1:13-16 Ja '64.

NITROGEN METABOLISM

Effect of molybdenum on the nitrogen metabolism of cauliflower. E.A.Muravin. Dokl.TSKHA no.84:196-202 '63.

NITROGEN OXIDES

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No.1. M.L.Varlamov and others. Nauch.zap.Od.politekh.inst. 40:24-33 '62.

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No.2. M.L. Varlamov and others. Nauch.zap.Od.politekh.inst. 40:34-44 '62.

Comparing the experimental data on the absorption of nitrogen oxides by water and acids in various types of apparatus. Report No.2. G.A. Manakin. Nauch.zap. Od.politekh.inst. 40:56-61 '62.

Comparing the speed coefficients of the absorption of nitrogen oxides by alkali solutions in various types of apparatus. Report No.1. G.A. Manakin. Nauch.zap. Od.politekh.inst. 40:45-55 '62.

NITROGEN OXIDES—ANALYSIS

Photocolorimetric method for determining nitrogen oxides in coke-oven gas. A.P.Ovcharenko. Khim prom.[Ukr.] no.4:59 O-D '63.

NITROPARAFFINS

Space groups and unit cells of organic compounds. Report No.3: X-ray diffraction study of some alkaline salts of dinitroalkanes. Z S.Kostiukevich, IU T Struchkov Zhur strukt khim. 5 no 2:320-321 Mr-Ap '64.

NITROSYLSULFURIC ACID

Corrosion behavior of carbon steel in nitrose acids L.A.Poluboiartseva and others Khim prom. no 10 782-785 O '63

NIZHNIY TAGIL—LABOR LAWS AND LEGISLATION

Legal advice offered by volunteers. IA Proshko. Sov.profsoiuzy 20 no.13 36 Jl '64.

NIZHNYAYA TUNGUSKA see Lower Tunguska Valley

NOCARDIA

Proactinomycetes from autochtonous soil microflora decomposing humus substances T Z.Tepper, U.Rattske. Dokl.TSKHA no 84:261-267 '63

NOISE—MEASUREMENT

Expressions for and measurement of noise indices. I G.Rusakov. Trudy inst.Kom.stand.,mer i izm. prib. no 73:13-19 '63.

ISHT-1 device for measuring the noise coefficient of transistors on a sonic frequency Prib i tekh eksp 8 no 6 194 N-D '63

NOMADS

Nomadic mound near Sarkel-Belaya Vezha. S A Pletneva. Mat.i issl.po arkheol.SSSR 109:216-259 '63.

NOMOGRAPHY (MATHEMATICS)

Combined nomograms for calculating pneumatic conveyor systems. N.N.Rylov, L.P.Rylova. Der.prom. 13 no.6:11-13 Je '64

Use of a system of residual classes in nomography S.B.Fain. Trudy Vych.tsentr.AN Gruz.SSR 4:203-212 '64

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS METAL INDUSTRIES

Building a material and technical foundation of communism. Metalloved.i term.obr.met. no 5 1-2 My '64.

NONFERROUS METAL INDUSTRIES—MANAGEMENT see subdivision under East Kazakhstan Province

NONFERROUS METALS

Pervushin, S.A. [Nonferrous metals and their occurence in nature] TSvetnye metally i ikh nakhozhdenie v prirode. Moskva, Metallurgizdat, 1963. 50 p.

NONFERROUS METALS—ELECTROMETALLURGY

Lakernik, M.M. [Electrothermics in the metallurgy of copper, lead, and zinc] Elektrotermiia v metallurgii medi, svintsa i tsinka. Moskva, Izd-vo "Metallurgiia," 1964. 283 p.

NONFERROUS METALS—METALLURGY

Leaching of complex metal mattes in acid and ferric chloride solutions. G.G.Zapevalov, R M.Vygoda. Trudy IPI no.18 92-99 '63.

Production of ferrous and nonferrous metals directly from ores. A.M.Nemenov. Biul.tekh.-ekon.inform. Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4: 78-79 Ap '64.

Ways of fully utilizing sulfide raw materials of Western Siberia. A.L.TSeft, A.P.Serikov. Trudy IPI no.18: 3-13 '63.

NONWAGE PAYMENTS

Economic nature and the source of public consumption funds. M.Kh.Tokaev. Vest.Mosk.un.Ser.8: Ekon., filos. 19 no.2:3-14 Mr-Ap '64.

NORADRENALINE

Changes in the higher nervous activity in dogs following the administration of noradrenaline. A.S.Denisova. Zhur.vys.nerv.deiat. 14 no.1:40-46 Ja-F '64.

Nauchnaia konferentsiia "Katekholaminy i ikh rol' v reguliatsii funktsii organizma (biokhimiia, fiziologiia, klinika)." Moscow, 1962. [Adrenaline and noradrenaline; reports] Adrenalin i noradrenalin; [doklady]. Moskva, Izd-vo "Nauka," 1964. 310 p.

NORIL'SK REGION—BIRDS—BEHAVIOR

Seasonal phenomena in the life of birds in the region of Noril'sk lakes A V Krechmar. Ornitologiia no 6: 37-48 '63

NORTH AMERICA—TEMPERATURE

Characteristics of the vertical temperature distribution and its diurnal variation over North America. S.I. Inogamova. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk 8 no.1:82-89 '64.

NORTH ATLANTIC TREATY ORGANIZATION

NATO's contemporary strategy. A.Slobodenko. Mezhdunar.zhizn' 11 no.6:54-60 Je '64.

The Sixth Fleet of the United States. L.Eremeev. Mezhdunar.zhizn' 11 no.6 143-144 Je '64.

NORTH CAUCASUS ECONOMIC REGION—MACHINERY INDUSTRY—ACCOUNTING

[illegible] of equipment. A. Stadnik [illegible] 4 17-2 Ap '64

[illegible] of special purpose tools [illegible] 2 32-34 F '64

NORTH KOREA see Korea, North

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DONETS-DONETS BASIN CANAL—FRESH-WATER BIOLOGY

[illegible] plankton of the Northern Donets-Donets Basin Canal according to the data of the first years of its use (1959-1960) A I Sliusareva Trudy [illegible] 14 [illegible] '63

Prospects for improving the quality of water in the Northern Donets-Donets Basin Canal by means of a [illegible] regulation of aquatic biocenoses S N.Ska-[illegible] Trudy Gidrobiol ob-va 14 124-129 '63

NORTHERN DONETS-DONETS BASIN CANAL—FRESH-WATER FLORA

Objectives and methods of studying the conditions of canals and reservoirs as exemplified by the Northern Donets-Donets Basin Canal G I. Dolgov. Trudy Gidrobiol ob-va 14 22-41 '63

NORTHERN DONETS-DONETS BASIN CANAL—WATER—COMPOSITION

Objectives and methods of studying the conditions of canals and reservoirs as exemplified by the Northern Donets-Donets Basin Canal G I Dolgov Trudy Gidrobiol ob-va 14 22-41 '63

NORTHERN DONETS-DONETS BASIN CANAL—WATER—PURIFICATION

Difficulties caused by the periodic deterioration of the quality of water in the Northern Donets-Donets Basin Canal, data of two years experience in its use I A, Gel'man Trudy Gidrobiol ob-va 14 115-123 '63

Prospects for improving the quality of water in the Northern Donets-Donets Basin Canal by means of a purposeful regulation of aquatic biocenoses S.N Skadovskii and others Trudy Gidrobiol ob-va 14 124-129 '63

NORTHERN DVINA DELTA—SOLONCHAK SOILS

Soil salinization and the formation of Solonchak soils in the Northern Dvina Delta G, V Afanas'ev, A F Kashanskii Dokl TSKHA no 84:74-78 '63

NORTHERN DVINA VALLEY—DRAINAGE

Drainage of bogs in the floodlands of the Northern Dvina River A V Shuravilin Gidr i mel. 16 no 5-28-36 My '64

NORWEGIAN SEA—TEMPERATURE

Soviet oceanographic research in the Norwegian and Greenland Seas in June 1962 V I, Pakhorukov, L R Shmarina, V V, Penin Nauch.-tekh. biul, PINRO no 4:41-43 '62.

NOSE

Materials on the study of the lymphatic system of the nasal cavity in calves V M Panin Trudy AZVI 12 474-481 '61

NOSE—DISEASES

Experiments in studying the etiology of infectious atrophic rhinitis of swine V D Egorova, V I Zubchenkov Trudy Smol NIVS no 2-276-290 '62

Prophylactic action of the serum of sick swine in infectious atrophic rhinitis of suckling pigs V I Zubchenkov Trudy Smol NIVS no 2-299-300 '62

Prophylactic and therapeutic action of some antibiotics in infectious atrophic rhinitis of swine V. I Zubchenkov Trudy Smol NIVS no 2:291-298 '62

Studying the epizootiology of infectious atrophic rhinitis of swine in Smolensk Province. V D Egorova Trudy Smol NIVS no. 2:270-275 '62

Tilga, Voldemar. [Infectious atrophic rhinitis in swine] Sigade nakkav atrofiline riniit. Tallinn, Eesti Riiklik Kirjastus, 1963. 52 p. [In Estonian] (DNAL)

Zilinskas, Stasis. [Ear, nose and throat diseases] Ausu, nosies ir gerkles ligos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 306 p. [In Lithuanian] (DNLM)

NOVGOROD (DUCHY)—LAW

New list of the Novgorod laws of Prince Sviatoslav Ol'govich (from the E. E. Egorov collection). IA. N. Shchapov. Zap Otd ruk. no. 26 395-398 '63.

NOVGOROD PROVINCE—RODENTS—EXTERMINATION

Rodent "reservation." I. L. Tumanov. Zashch. rast. ot vred. i bol. 8 no 10 46-47 O '63.

NOVOCAINE

Answers to readers' questions Farmatsev zhur. 16 no. 4:91-94 '61.

Effect of intravenous injection of novocaine on the vascular reflex reactions in thyrotoxicosis. B P. Braslavskaia. Sov. med. 27 no. 10,127-129 O '63.

Lumbar (paranephric) novocaine block of the sympathetic nerves in sheep Zh O Omarov, V.M. Panin. Trudy AZVI 12 604-606 '61

Method for quick approximate quantitative determination of solutions of novocaine, atropine sulfate and calcium chloride. L. M. Sol'ts, A. M. Sergieleva. Farmatsev. zhur. 15 no. 4 22-25 '60.

Using furfurole in investigating novocaine. A. M. Hal'perina. Farmatsev. zhur. 11 no. 3:36-40 '59.

NOVOCHERKASSK—ELECTRIC MACHINERY INDUSTRY—MANAGEMENT

A continuous operation and production planning. A. Rodov. Sots. trud 9 no. 6;58-65 Je '64.

NOVOKUZNETSK—BRUCELLOSIS

Examination of market milk of Novokuznetsk for brucellosis. D. I. Drankin. Zhur. mikrobiol., epid. i immun. 40 no. 6:130 Je '63

NOVOKUZNETSK—MILK—ANALYSIS AND EXAMINATION

Examination of market milk of Novokuznetsk for brucellosis. D. I. Drankin. Zhur. mikrobiol., epid. i immun. 40 no. 6:130 Je '63.

NOVOKUZNETSK—ROLLING MILLS

Mikhailets, N. S., and others. [Manufacture of rails at the Kuznetsk Metallurgical Combine] Proizvodstvo rel'sov na Kuznetskom metallurgicheskom kombinate. Moskva, Izd-vo "Metallurgiia," 1964. 222 p.

NOVOROSSIYSK (KRASNODAR TERRITORY)—SHIPS—MAINTENANCE AND REPAIR

Construction of a quay at the Novorossiysk Ship Repair Yard. V. A. Tomadze. Transp strol. 14 no. 3,23-24 Mr '64.

NOVOROSSIYSK (KRASNODAR TERRITORY)—WHARVES

Construction of a quay at the Novorossiysk Ship Repair Yard V. A. Tomadze. Transp. strol. 14 no. 3;23-24 Mr '64

NOVOSIBIRSK—BAKERIES

At the Novosibirsk Bakery Industry Trust. Z. S. Zemtsova. Khleb. i kond prom. 7 no. 12;27-28 D '63.

NOVOSIBIRSK—DISTILLING INDUSTRIES—ACCOUNTING

Accounting for glass containers I Rogachev, K. Kuznetsov Bukhg uchet 21 no 2 41-12 F '64

NOVOSIBIRSK—REVOLUTION, 1917-1921

Shornikov, M. M. [The Bolsheviks of Novonikolaevsk in the period of the preparation and carrying out of the October Revolution, March 1917-February 1918] Bol'sheviki Novonikolaevska v period podgotovki i provedeniia Oktiabr'skoi revoliutsii (mart 1917 - fevral' 1918 gg.) Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1963. 77 p. (Iz istorii Novosibirskoi partiinoe organizatsii)

NOVOSIBIRSK PROVINCE—RABIES

Natural foci of rabies in Novosibirsk Province. P. D. Shat'ko, A. L. Kornilova, D. K. Ermilov. Zhur. mikrobiol., epid. i immun. 40 no. 6;33-38 Je '63.

NOVOSIL' (OREL PROVINCE)—SOIL CONSERVATION—RESEARCH

The 40th anniversary of the Novosil' Silvicultural Land Improvement Experimental Station. V. L. Sukhov, G. P. Surmach. Vest. sel'khoz. nauki 9 no. 2-137-139 F '64.

NOVOVYATSK (KIROV PROVINCE)—PARTICLE BOARD

Manufacture of three-layer particle board at the Novovyatsk Woodworking Combine. A. G. Komarovskikh. Der. prom. 13 no. 6:18-20 Je '64.

NOYEMBERYAN DISTRICT—FUNGI, PHYTOPATHOGENIC

New materials on mycoflora and diseases of subtropical cultures of Noyemberyan District. Dzh. G. Melik-Khachatrian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5. 59-65 My '63.

NOYEMBERYAN DISTRICT—TROPICAL FRUIT—DISEASES AND PESTS

New materials on mycoflora and diseases of subtropical cultures of Noyemberyan District. Dzh. G. Melik-Khachatrian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5; 59-65 My '63.

NUCLEAR COUNTERS

Corona counters of slow neutrons, review. IU. M. Tolchenov, V G. Chaikovskii Prib i tekh. eksp 8 no. 6 5-12 N-D '63

Transformer-key device for the pickup of pulses from Geiger counters. V S. Golub, P T. Levkovskii, P. D. Pavlenko Prib i tekh. eksp 8 no 6:171-172 N-D '63.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekh. za rub. 8 no. 6 '64.

NUCLEAR FISSION

Angular correlation between fragments in the case of multiple fragmentation. P. A. Gorichev, O. V. Lozhkin, N. A. Perfilov. Zhur. eksp. i teor. fiz. 46 no. 5; 1897-1898 My '64.

Angular correlations of fragments and [illegible] nuclear fission S. A. Azimov, R [illegible] Izv AN Uz SSR Ser fiz.-mat. nauk [illegible] '63

Grechushkina, M. P. [Tables of the composition [illegible] products of instantaneous fission of U^{235}, [illegible], and Pu^{239}] Tablitsy sostava produktov mgnovennogo delenia U^{235}, U^{238}, i Pu^{239}. Moskva, [illegible] 1964 67 p.

Multiplicity of fragment formation at an [illegible] energy of 660 Mev. S A Azimov, P A [illegible] R Karimova Izv AN Uz SSR Ser fiz.-mat. nauk [illegible] no 5 40-45 '63

New type of nuclear fission. S. M. Polikan[illegible], [illegible] Mikheev. Priroda 53 no. 6:70-73 '64.

NUCLEAR FORCES

Change in the character of the bonding forces in the system niobium - nitrogen. M. I. [illegible], [illegible] Genkin. Izv. AN Kazakh. SSR. Ser. fiz.-mat. [illegible] no. 2-70-75 '63

NUCLEAR GEOPHYSICS

Kholin, A. I., ed. [Problems in nuclear geophysics; a collection of articles] Problemy iadernoi geofiziki; sbornik statei. Moskva, Nedra, 1964. 213 p.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Apparatus for the thermostatic control of [illegible] nuclear magnetic resonance experiments [illegible] P. A. Zagorets, A. P. Grinman. Zhur. fiz. khim. [illegible] 1030-1031 Ap '64.

Calculation of the intermolecular second moment of the absorption line of proton resonance in [illegible] N. M. Segeev, V. L. Karpov. Zhur. strukt. khim. [illegible] no. 2;230-235 Mr-Ap '64.

Effect of impurities on the chemical shift of nuclear magnetic resonance signals from [illegible] in alkali halide crystals. V. S. Grechishkin, M. I. [illegible] Fiz. tver. tela 6 no. 4:1238-1240 Ap '64.

Magnetic relaxation of Li^7 nuclei in aqueous [illegible] of paramagnetic salts. R. K. Mazitov Zhur. strukt. khim. 5 no. 2;303-303 Mr-Ap '64

NMR study of the catalytic system [illegible] $(CH_3)_2Cl$. F. S. D'iachkovskii, P. A. [illegible] Bystrov. Vysokom. soed. 6 no. 4:[illegible] '64

Nuclear magnetic resonance and the [illegible] cules. B. A. Arbuzov, IU. IU. Samitov. [illegible] no. 6:13-24 '64.

Nuclear magnetic resonance of the protons of [illegible] adsorbed on montmorillonite. IU. I. Tar[illegible] and others. Dokl. AN SSSR 156 no. 4:[illegible] '64

Nuclear magnetic resonance spectra and the [illegible] 1,3-dioxanes, 1,3-dioxolanes, and some cyclic [illegible] of sulfurous and carbonic acids. Part 1: [illegible] 1,3-dioxolanes IU. IU. Samitov, R. M. Aminova [illegible] strukt. khim. 5 no. 2;207-216 Mr-Ap '64.

Nuclear magnetic resonance spectrometer [illegible] field. V. V. [illegible], A. I. Zhernovoi, G. [illegible] IAkovlev. Izv. AN Kazakh. SSR. Ser. fiz.-mat. [illegible] no. 2-58-63 '63

Nuclear magnetic resonance study of filled [illegible] polyvinyl chloride. A. I. Maklakov and others. [illegible] kom. soed. 6 no. 5:923-924 My '64.

Nuclear resonance type phase detector for [illegible] electromagnetic field V. M. Ilenlak, I. I [illegible] Prib. i tekh eksp 8 no. 6,176-177 N-D '63

Proton magnetic resonance spectra of some [illegible] compounds. G. A. Razuvaev and others. Izv. AN [illegible] Ser. khim. no. 5;928-930 My '64.

Proton resonance in uranium peroxide hydrates [illegible] Gabuda and others. Zhur. strukt. khim. 5 no. 2 [illegible] Mr-Ap '64.

Second moment of the nuclear magnetic resonance [illegible] and the structure of ice. N. N. Korst, V. A. [illegible] N. D. Sokolov. Fiz. tver. tela 6 no. 4:1242 [illegible] '64.

Setup for measuring the spin-lattice relaxation [illegible] nuclei of a liquid in contact with a powder. A. I Zhernovoi, A. H. Rukhin. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no. 2;63-69 '63.

Solvation of Cu^{2+}, Mn^{2+} and Cr^{3+} ions in alcohol [illegible] solutions studied by the method of nuclear magnetic resonance. IU. IA. Shamonin, S. A. IAn. Dokl. AN Arm. SSR 38 no. 5:280-283 '64.

Study of the diffusion movement of water molecules in solutions of paramagnetic ions by measuring [illegible] resonance. K. Gunther, H. Pfeifer. Zhur. strukt. khim. 5 no. 2;193-200 Mr-Ap '64.

Study of the solvation of the Mn^{2+} ion in formic acid by measuring spin relaxation of protons. D. Gei[illegible], H. Pfeifer. Zhur. strukt. khim. 5 no. 2;201-2[illegible] '64.

Zhernovoi, A. I., and G. D. Latyshev. [Nuclear magnetic resonance in a flowing liquid] IAdernyi magnitnyi rezonans v protochnoi zhidkosti. Moskva, Atomizdat, 1964. 262 p.

NUCLEAR MODELS

Analysis of Compton scattering on protons using an isobaric model. G. G. Arushanov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 1:61-65 '64.

NUCLEAR PHYSICS

Abramov, A.I. [Measuring the immeasurable] Izmerenie "neizmerimogo." Moskva, Atomizdat, 1964. 205 p. (Nauchno-populiarnaia biblioteka Atomizdata)

Olglane, Harri. [Into the depths of the microworld] Mikromaailma sugavusse. Tallinn, Eesti Riiklik Kirjastus, 1963. 336 p. (Teaduse teedelt) [In Estonian]

"Threshold" origin of inelastic resonances. IA.I. Granovskii, A.A.Pantiushin, V.N.Starikov. Izv. AN Kazakh.SSR.Ser.fiz.-mat.nauk no.2 48-51 '63

Types of threshold resonances. V.N.Starikov. Izv.AN Kazakh.SSR.Ser.fiz.-mat.nauk no 2:40-47 '63

NUCLEAR PHYSICS—CONGRESSES

International Symposium on Nuclear Electronics I V Shtranikh. Vest.AN SSSR 34 no.5 125-126 My '64.

NUCLEAR REACTIONS

Characteristics of the decay of compound dysprosium nuclei with high angular momentum. G.Kumpf, V.A. Karnaukhov. Zhur.eksp.i teor.fiz. 46 no.5:1545-1552 My '64.

Complex asymptotic expressions for the amplitudes of inelastic processes, and some singularities in the plane of angular momentum. I.A.Verdiev and others. Zhur. eksp.i teor.fiz. 46 no.5:1700-1714 My '64

Contradictory results of measuring the cross section of the (γ, n)-reaction for lead. M.M.Dorosh and others. Zhur.eksp.i teor.fiz. 46 no.5:1540-1544 My '64

Elastic scattering of protons by tritium at energies below the threshold of a (p, n)-reaction. IU.G.Balashko and others. Zhur.eksp.i teor.fiz. 46 no.5:1903-1906 My '64.

Emission of helium particles in interactions between high-energy pions and nucleons and complex nuclei. Zh.S.Takibaev, G.Tleubergenova, E.V.Shalagina. Dokl.AN SSSR 156 no.4:785-788 Je '64.

Production of Λ (Σ°)-hyperons and K°-mesons in interactions between 7 Gev.π-mesons and carbon. V.A. Beliakov and others. Zhur.eksp.i teor.fiz. 46 no.5: 1586-1597 My '64.

Some properties of the positron radiation induced by an antineutrino flux on protons ($\tilde{\gamma} + p \rightarrow n + e$). G.V Shishkin. Izv.vys.ucheb.zav.; fiz. no.2:31-38 '64.

Study of the (p, pπ+) reaction in In^{115}. V.N.Rybakov, N.S.Mal'tseva. Zhur.eksp.i teor.fiz. 46 no.5: 1911-1912 My '64.

Weak interactions at high energies. M.P.Rekalo. Zhur. eksp.i teor.fiz. 46 no.5:1891-1896 My '64.

NUCLEAR REACTORS

Critical behavior of a reactor with nonlinear coupling between temperature and the neutron flux in the approximation of a single-velocity transfer equation. O.B.Moskalev. Zhur.vych.mat.i mat.fiz. 4 no.1: 166-168 Ja-F '64.

Critical operating conditions of a reactor with a nonlinear relation between the neutron flux and the temperature in multigroup approximation. O.B.Moskalev. Zhur.vych.mat.i mat.fiz. 4 no.3:590-604 My-Je '64.

Inverse problem in the nuclear reactor theory. V.A. Chuianov. Zhur.vych.mat.i mat.fiz. 4 no.1:35-51 Ja-F '64.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref.zhur.: IAd.reak. no.6 Je '64.

NUCLEAR SPIN

Capture of μ-mesons by polarized nuclei with spin 1/2. A.P.Bukhvostov, N.P.Popov. Zhur.eksp.i teor.fiz. 46 no.5:1842-1852 My '64.

General relation in the theory of ferromagnetic Fermi fluids. I.E.Dzialoshinskii. Zhur.eksp.i teor.fiz. 46 no.5:1722-1725 My '64.

Kazarinov, IU.M., and others. [Measuring the coefficients of spin correlation C_{nn} and C_{kr} in elastic pp-scattering at an energy of 315 Mev. at an angle of 45° in the center-of-mass system] Izmerenie koeffitsientov spinovoi korreliatsii C_{nn} i C_{kr} v uprugom pp-rasseianii pri energii 315 Mev. pod uglom 45 v s.ts.m. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1964. 11 p.

Spin correlations in neutrino and antineutrino scattering by electrons. B.K.Kerimov, IU.I.Romanov. Zhur. eksp.i teor.fiz. 46 no.5:1912-1914 My '64.

Wave equation and magnetic moment of a particle with spin 2. V.S.Tumanov. Zhur.eksp.i teor.fiz. 46 no.5:1755-1760 My '64.

NUCLEI, ATOMIC

Large deformations of nuclei in an anisotropic oscillator model. V.A.Beliakov. Zhur.eksp.i teor.fiz. 46 no.5:1632-1636 My '64.

Nuclear magnetic moments. A.B.Migdal. Zhur.eksp.i teor.fiz. 46 no.5:1680-1699 My '64.

Structure of collective excitations of spherical nuclei. V.G.Zelevinskii. Zhur.eksp.i teor.fiz. 46 no.5: 1853-1858 My '64.

Theory of excited states of odd nuclei with slight nonaxiality Sh.Sharipov. Izv.AN Uz.SSR.Ser.fiz.-mat. nauk 7 no.6:58-62 '63.

NUCLEI, ATOMIC—DECAY

Hypernuclei with two Λ-particles and their decay. N.N.Kolesnikov, R.V.Vedrinskii. Zhur.eksp.i teor. fiz. 46 no.5:1648-1652 My '64

NUCLEIC ACID METABOLISM

Effect of levomycetin on the intensity of protein and nucleic acid synthesis in Escherichia coli M. A.G. Skavronskaia, N.B.Borisova, L.R.Gol'dina. Zhur. mikrobiol., epid.i immun. 40 no.5:138-143 My '63.

NUCLEIC ACIDS

Biosynthesis of specific antigen in disrupted cells infected with polio virus RNA B.S.Diskina, A.A. Kitashko, A.V.Mikheeva. Vop.virus. no.6 679-686 N-D '63.

Cytochemical study of nucleic acids in the early embryogeny of fishes. N.V.Pankova Dokl AN SSSR 156 no.5 1181-1184 Je '64.

Cytophotometry of deoxyribonucleic acid in the nuclei of retinal neurons under various conditions of the illumination of the eye. I.K.Svanidze. Trudy Inst.fiziol.AN Gruz.SSR 13:169-171 '63

Detection in the cytoplasm of animal cells of a RNA similar in its nucleotide composition to DNA. O.P. Samarina Dokl.AN SSSR 156 no.5 1217-1220 Je '64.

Dynamics of changes in the nucleic acid content following X-ray irradiation, suppression and restoration of the regeneration ability in the extremities of axolotls. N.A.Teplits. Dokl.AN SSSR 156 no.5 1207-1209 Je '64.

Effect of adrenaline injection on the nucleic acid content of neural and glial cells of the sympathetic ganglion L.Z.Pevzner. Dokl.AN SSSR 156 no 5:1213-1214 Je '64.

Examination of proteolytic activity in human brain tumors. N.G.Lutsenko, M.Sh.Promyslov. Vop.med.khim. 9 no.1:60-63 Ja-F '63.

Infection of lysozyme spheroplasts by DNA isolated from the ØX174 phage. B.N Il'iashenko. Vop.virus no.6. 667-676 N-D '63.

Molecular state of DNA of the T-2 bacteriophage in the process of its intracellular development. S.E.Bresler and others. Dokl AN SSSR 156 no.4:947-950 Je '64

Morphological changes in a transplanted tumor caused by the action of the RNA of a normal tissue. V.M. Bresler. Sbor.rab.Inst.tsit. no.7:47-55 '63.

Morphological characteristics of leucoses induced in mice by RNA preparations. V.M.Bresler. Sbor.rab. Inst.tsit. no.7:28-46 '63.

Some data on the activity of proteinases of Staphylococcus albus in vitro and in the process of toxin formation. M.V.Smirnova, Z.I.Lebedeva. Vop.med.khim. 9 no.1:44-48 Ja-F '63.

Study of thermal DNA denaturation with the aid of adiabatic microcalorimetry. P.L.Privalov, K.A. Kafiani, D.R.Monaselidze. Dokl.AN SSSR 156 no.4: 951-953 Je '64.

NUCLEIC ACIDS—OPTICAL PROPERTIES

Flow birefringence in solutions of deoxyribonucleic acid. Part 3: Dependence of the optical anisotropy of deoxyribonucleic acid molecules on the molecular weight. E.V.Frisman, V.I.Vorob'ev, L.V.Shchagina. Vysokom.soed. 6 no.5:884-890 My '64.

NUCLEOPROTEINS

Induction of catalase and cystine desulfurase activity in transplanted mouse hepatoma under the effect of ribonucleoprotein isolated from the normal liver. V.S. Shapot, S.IA.Davydova, G.A.Drozdova. Vop.med. khim. 9 no.1:102-104 Ja-F '63.

Localization of nucleoproteins in the structures of the ovum structures of the frog (Rana temporaria) V.N. Shalumovich Arkh.anat.,gist i embr 44 no 4 48-54 Ap '63

NUCLEOTIDES

Acid soluble peptides and nucleotide-peptides in kidney bean tissues. Zh.A.Medvedev, E.E.Khavkin. Dokl TSKHA no.84:240-245 '63.

NUCLEUS (CELLS) see Cell nuclei

NUKHA REGION (AZERBAIJAN)—MOSSES

Vertical distribution of mosses in the Nukha-Zakataly area. L.B.Liubarskaia. Izv.AN Azerb.SSR.Ser. biol.i med.nauk no.1:15-23 '64.

NUMBERS, THEORY OF

Trigonometric sums of a special type and their applications. A.A.Karatsuba Izv.AN SSSR.Ser.mat 28 no.1 237-248 Ja-F '64.

NUMERICAL WEATHER FORECASTING

Automatic preparation of initial data for numerical analysis and weather forecasting. I.V.Rubtsov. Trudy GGO no.124:30-38 '62.

Calculation of the movement of cyclones in mountainous regions. A.S.Dubov, L.S Orlova. Trudy GGO no.124: 56-62 '62.

Effect of static stability on changes in pressure and the forecasting equation for the lower stratosphere. A.S. Dubov. Trudy GGO no.124:39-47 '62.

Effect of the tropopause inclination on the change of the pressure field. L V Rukhovets. Trudy GGO no 124 63-80 '62.

Evolution of cloudiness L.R.Ariago Trudy GGO no.124 89-95 '62.

Improving the quality of the analysis of the geopotential field over regions poorly covered by the initial information. M S.Fuks-Rabinovich. Meteor.i gidrol no.5:28-35 My '64

New approach to the numerical solution of the problem of weather forecasting. G I.Marchuk. Meteor i gidrol. no.5:3-9 My '64

Numerical forecast of the dewpoint deficit V P. Meleshko Trudy GGO no.124 97-105 '62.

Operative methods for computer analysis of meteorological fields. L.S.Gandin. Trudy GGO no 124 18-29 '62

Optimum conformation of meteorological fields L.S Gandin. Trudy GGO no.124 3-17 '62

Reasons for change in the height of the tropopause. L V Rukhovets. Trudy GGO no 124 81-87 '62.

Relation of the meridional index to synoptic processes. V.B.Afanas'eva. Trudy GGO no 124 107-110 '62.

Scheme for the solution of equations for the short-range forecasting of the geopotential and vertical speed. B E Shneerov. Trudy GGO no.124 48-55 '62

Stability of the solution of the vorticity transfer equation as related to the disturbances of initial and boundary conditions. L.A Dikii, T D Koronatova Meteor.i gidrol. no.5:39-44 My '64.

Statistical estimation of the errors connected with the linearization of the vorticity equation. I.L.Vulis Meteor i gidrol. no.5:20-27 My '64.

NUMISMATICS, ANCIENT see subdivision under Black Sea region

NURSERY SCHOOLS—DESIGN AND CONSTRUCTION see subdivision under Dzerzhinsk (Gorky Province)

NURSERY SCHOOLS—MUSIC

Musical development of the tiniest G.Liamina. Doshk. vosp. 37 no.5:112 My '64.

NUTATION

Free oscillations of the earth's rotational axis and the Iceland minimum of atmospheric pressure. I.V.Maksimov. Probl.Arkt.i Antarkt. no.16:13-26 '64.

NUTRITION

Nutrition and health. G.M.Makhkamov. Trudy Inst. kraev.eksper.med. no.5 5-12 '63.

Vagane, Einar. [Wholesome nutrition] Tervislikust toitumisest. Tallinn, Eesti Riiklik Kirjastus, 1964. 50 p. (Teadus ja tervis) [In Estonian]

NUTRITION SURVEYS

Symposium on methods of studying the nutrition and health of the population. A.N.Andriasov. Vest AMN SSSR 18 no.10:82-90 '63.

NYLON

Economic effectiveness of using polycaprolactam bearings during the repair of excavators. M.F.Stramous. Stroi.i dor.mash. 9 no.5 20-22 My '64.

Implantation of capron tissue used for repairing diaphragmatic defects under experimental conditions [with summary in English] S IA Doletskii, I.M.Sapelkina Eksp.khir.i anest. 8 no 5 28-31 S-O '63.

Molecular orientation in capron fibers studied by infrared spectroscopy. I.I.Novak, V.I.Vettergen' Vysokom. soed. 6 no.4:706-709 Ap '64.

Production of powder capron by mean orization in organic solvents. A.P. Kornev, S.A.Sukhorukova. Khim.p 25-28 O-D '63.

NYLON—TESTING

Radial nonuniformity of nylon fibers. L.N.Pakhomova. Izv.vys.ucheb.za prom. no.2:73-78 '64.

NYSTAGMUS

Thresholds of caloric nystagmus duri a constant velocity. I.V.Orlov. Do no.4:972-975 Je '64.

OAK see subdivision under Caucasus;

OAK—DISEASES AND PESTS see sub Lugansk Province; Ukraine

OATHS

From the history of the military oath Voen.-ist.zhur. 6 no.5:118-119 M

OATS

Penetration of polonium-210 in an oa Guliakin, A.V.Korovkina. Dokl.T 331 '63.

OBSTACLES (MILITARY SCIENCE)

Installation of obstacles. V.Novozhil Voen.vest. 44 no.6:91-93 Je '64.

[illegible] Perm)
[illegible] Zhur [illegible] '63.

[illegible] Okkul'tnye nauki [illegible] 40 p. (Khudozhestvennaia [illegible])

[illegible] function of [illegible] effectiveness [illegible] 17 [illegible] 5 29-35 Je '63

[illegible] see subdivision under Germany, East

[illegible] under Greenland Sea)
[illegible] Inst

OCEAN CURRENTS
(see also subdivision under Arctic regions, Atlantic [illegible] Kara Sea, Laptev Sea)
[illegible] field, A.M. [illegible] '63
[illegible] and surface [illegible] Trudy AANII [illegible]
[illegible] in the surface layer [illegible] Arkt. i Antarkt. [illegible]
[illegible] periodical currents in [illegible] level observations. [illegible] no 16;83-87 [illegible]

OCEAN TEMPERATURE
(see also subdivision under Arctic regions, Atlantic Ocean, [illegible] Sea, Kara Sea, Laptev Sea)
[illegible] no 5 [illegible]

OCEANOGRAPHIC INSTRUMENTS see subdivision under Arctic regions

OCEANOGRAPHY
(See also subdivision under Ambarchik Bay, Azov, Sea of, East Siberian Sea, Kara Sea, Laptev Sea, Sannikov Strait)
Mamaev, O.I. [Oceanographic analysis in the α-S-T-p system] Okeanograficheskii analiz v sisteme α-S-T-p. Pod red. A.D Dobrovol'skogo. Moskva, MGU 1963 228 p.
[illegible] ocean-atmosphere [illegible] 144 183-195

ODESSA—BALLET
Rozen, L.A., and I.N. Shumakova. [The Odessa Theater of Opera and Ballet] Odesskii teatr Opery i baleta. [Odessa] Odesskoe knizhnoe izd-vo, 1964. 75 p.

ODESSA—COMRADES COURTS
[illegible] comrades court. I.N [illegible] 13 no. 7 81-82 '60.

ODESSA—GRAIN ELEVATORS
[illegible] the elevator of the A D. TSiurupa Milling [illegible] B. Kriuchigin. Muk.-elev. prom. [illegible] no. 6 19-21 Je '64.

ODESSA—LANDSCAPE GARDENING
[illegible] planting on the Khadzhibey-Kuyalnik barrier beach and [illegible] of landscape gardening on it. A.K. [illegible] Pratsi Od. un Zbir. stud rob. 146 no 4; [illegible]

ODESSA—MECHANICAL DRAWING—STUDY AND TEACHING
[illegible] drawing olympiad in a city. V.F. Khrennikova. [illegible] no. 6 57-60 Je '64.

ODESSA—OPERA
Rozen, L.A., and L.N. Shumakova. [The Odessa Theater of Opera and Ballet] Odesskii teatr opery i baleta. [Odessa] Odesskoe knizhnoe izd-vo, 1964. 75 p.

ODESSA—OPTICIANS
[illegible] optical store. H.V Chyzhyk. Farmatsev. [illegible] 14 [illegible]

ODESSA—RESEARCH
Preface. Pratsi Od. un Zbir. stud rob. 146 no. 4:5 '56.

ODESSA—TREE PLANTING
Tree planting on the Khadzhibey-Kuyalnik barrier beach and the problem of landscape gardening on it. A K. Arafieva Pratsi Od.un.Zbir.stud rob 146 no. 4; 99-101 '56.

ODESSA—WORLD WAR, 1939-1945—AERIAL OPERATIONS
Cheravatenko, A. T. [We shall return, Odessa! As told to A. Kliuchnik] My vernemsia, Odessa! Literaturnaia zapis A. Kliuchnika. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 150 p.

ODESSA, BATTLE OF, 1944
Egorov, V.F., N.I. Zotov, and A.N. Rogozhin. [Heroes do not die; a true story] Geroi ne umiraiut; byl'. Odessa, Maiak, 1964. 220 p.
Liberation of the southern areas of the Western Ukraine from January to April 1944. I P. Kozhukalo. Ukr. ist. zhur. 8 no. 2 106-109 Mr-Ap '64

ODESSA PROVINCE—AGRICULTURAL MACHINERY
Creators of good deeds. S Aleksandrov NTO 5 no. 9 30-32 S '63

ODESSA PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
"Sel'khoztekhnika" serves farms A Kireev. Tekh v sel'khoz. 24 no. 3:66-67 Mr '64.

ODESSA PROVINCE—GRAIN—TRANSPORTATION
We are responsible for the grain safety G Valeev Fin SSSR 38 no 5 56 My '64

ODESSA PROVINCE—MILITARY EDUCATION
Activists of a collective farm. N Riabov. Voen. znan 40 no 4 30 Ap '64

ODESSA REGION—NEMATODA
Nematodiasis in geese of the 51st Perekop Division Collective Farm of the Odessa City District. N. IA TSukman. Pratsi Od. un Zbir. stud rob. 146 no. 4: 115-116 '56.

ODESSA REGION—PARASITES—GEESE
Nematodiasis in geese of the 51st Perekop Division Collective Farm of the Odessa City District. N. IA. TSukman Pratsi Od. un Zbir. stud. rob 146 no. 4: 115-116 '56.

ODESSA REGION—SOIL FERTILITY
Characteristics of the conditions of the soil nutrition of plants on the Kirov State Farm M.N. Kuznetsova Pratsi Od.un.Zbir. stud rob 146 no. 4, 89-90 '56.

ODESSA REGION—VEGETABLES—FERTILIZERS AND MANURES
Characteristics of the conditions of the soil nutrition of plants on the Kirov State Farm. M N. Kuznetsova. Pratsi Od.un.Zbir stud rob 146 no 4 89-90 '56

OFFENSES AGAINST SOCIALIST PROPERTY
Urgent problems facing the further strengthening of the socialist legal order. V I. Lanutin. Sov. gos. i pravo 34 no. 6:3-11 Je '64.

OFFENSES AGAINST THE PERSON
Moscow. Vsesoiuznyi institut po izucheniiu prichin i razrabotke mer preduprezhdeniia prestupnosti. [Investigation and prevention of crimes involving bodily injury] Rassledovanie i preduprezhdenie telesnykh povrezhdenii Moskva, Izd-vo "IUridicheskaia literatura," 1964 97 p.

OFFSET PRINTING
Direct method of offset reproduction with a contact screen. IU. P. IAkhimovich, A.I Sleptsov. Poligrafiia no. 2: 12-14 F '64.

OGDON, JOHN, 1937-
Ogdon plays. IA. Mil'shtein Sov. muz. 27 no. 12: 82-84 D '63

OIL BURNERS
Experience in burning crude oil A G. Bulanov. Elek stan 35 no 1:85-86 Ja '64

OIL FIELD BRINES
(see also subdivision under Tatar A.S.S.R.; Turkmenistan, Volga Valley)
Characteristics of the accumulation of ammonium ions in the waters of oil- and gas-bearing structures. L K. Hutsalo. Dop. AN URSR no. 5, 642-645 '64.
Determining the velocity of underground flow. I.I. Mechitov. Izv. vys. ucheb zav., neft' i gaz 5 no. 11: 107-108 '62.
Investigating the effect of the reservoir waters of the fields of the eastern regions on hardened cement. A. IA. Lipovetskii, V.S. Danlushevskii. Trudy MINKHGP 46 64-75 '61.

OIL FIELD BRINES—ANALYSIS
New method for the construction of a clear hydrochemical graph. V A. Sarkisian. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 8;56 '63.

OIL FIELD BRINES—MICROBIOLOGY see subdivision under Romashkino region

OIL FIELD FLOODING
(see also subdivision under Burkett Oil Field; Romashkino Oil Field)
Calculating the fluid yield of a multiwell system of wells with given bottom pressures. V S. Orlov, N K Pravednikov. Nauch -tekh sbor po dob nefti no 14 83-87 '61
Certain results of flooding oil from a model of a nonuniform reservoir. V.G. Ogandzhaniants. Nauch -tekh sbor. po dob. nefti no. 18:25-29 '62.
Comparing the operations of producing and injection wells in a dead area. V F. Sazonov. Nauch -tekh sbor. po dob. nefti no. 18:99-102 '62.
Determining the conformance factor [illegible] M.N. Kochetov Nauch.-tekh. sbor. [illegible] 20-24 '61
Displacement of the oil boundary [illegible] A Sh Kazymov Nauch -tekh sbor [illegible] 50-52 '61
Effect of the nonuniformity of reservoir [illegible] on the solvent flooding process. N [illegible] N.L. Rakovskii. Nauch -tekh. sbor [illegible] no. 18:48-52 '62.
Investigating the flooding of live [illegible] V.M Kharchenko Nauch.-tekh sbor [illegible] no. 18 42-18 '62
Predicting the flooding of oil pools N [illegible] Nauch -tekh sbor po dob. nefti no [illegible]
Solving a problem of underground hydrodynamics [illegible] elastic drive M A. Pudovkin Izv [illegible] neft' i gaz 5 no. 11:39-45 '62.
Studying the vertical profile of the output [illegible] of fluids in producing and injection wells [illegible] IU. V. Kapyrin, L. V. Tesliuk. Nauch. [illegible] dob. nefti no. 20;66-71 '63.
Use of liquefied carbon dioxide to increase [illegible] yield of limestone N. S. Gudok. Neft [illegible] no. 5:8-10 '63

OIL FIELDS see subdivision under Caucasus, [illegible] Dolina (Stanislav Province)

OIL HYDRAULIC MACHINERY
IUdin, E. M. [Gear pumps; their basic parameters [illegible] design] Shesterennye nasosy; osnovnye parametry [illegible] ikh raschet. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1964. 235 p.

OIL INDUSTRIES see subdivision under Moldavia

OIL INDUSTRIES—FINANCE see subdivision under Vinnitsa

OIL RECLAMATION
Reclamation of transformer oil by means of [illegible] clay. S.B. Rykovskii. Pratsi Od. un. Zbir. [illegible] 146 no. 4:149-156 '56.

OIL RESERVOIR ENGINEERING
(see also subdivision under Bavly Oil Field, Romashkino Oil Field, Shkapovo Oil Field; [illegible] Oil Field)
Approximate method for estimating the [illegible] rocks on the basis of data derived from [illegible] of a pool. V.N. Maidebor. Nauch.-tekh. sbor. [illegible] nefti no. 20:41-44 '63.
Calculating the fluid flow under [illegible] reservoirs taking into account the [illegible] roof and bottom in them. [illegible] uchcb. zav., neft' i gaz 5 no. 11 75 [illegible]
Calculating the forward motion of a fluid [illegible] line battery of wells in thin banded field [illegible] L. G. Kogan. Nauch.-tekh. sbor. po dob. nefti [illegible] 24 '62.
Constructing on the basis of electric-model [illegible] current lines and current pipes in a reservoir consisting of several uniform sections [illegible] various parameters. I. G. Kogan. Nauch. [illegible] po dob. nefti no. 20;30-41 '63.
Determining flow parameters by the [illegible] method when the reservoir is divided into [illegible] interstratifications. S. G. Kamenetskii [illegible] sbor. po dob. nefti no. 14 46-50 '61
Determining oil losses in reservoir D_1 of the [illegible] region depending on well spacing A P. [illegible] Korotaev Nauch.-tekh sbor po dob. nefti [illegible] 30 '61
Determining phase permeabilities from field data V. P. Karpov, V. I. Sheratullakov. Nauch [illegible] po dob. nefti no. 16;38-4[illegible] '62.
Determining the flow resistances in the [illegible] nonsteady gas flow. Lan Chzhan-Sin [illegible] Izv. vys. ucheb. zav., neft' i gaz [illegible] 52 '62.
Determining the productivity of individual layers simultaneously exploited. P. P. Mikhailovskii Nauch.-tekh. sbor. po dob. nefti no. 20:[illegible]
Determining the reservoir parameters from the [illegible] change curve in a reacting well S N. [illegible] Umrikhin. Nauch.-tekh sbor. po dob. nefti [illegible] 91 '61
Development and test of new methods for [illegible] oil extraction from strata. Biul. tekh.-ekon. [illegible] Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 [illegible] 58-59 My '64.
Effect of a round reservoir inclusion on uniform [illegible] V. S. Sporyshev. Nauch.-tekh. sbor. po dob. nefti [illegible] 30-36 '62.
Effect of deviations from thermodynamic equilibrium on the average reservoir characteristics in [illegible] drive. I. S. Sandakhchiev. Nauch.-tekh. sbor. po dob. nefti no. 18;56-61 '62.
Effect of shield on the filtration flow of fluid to a battery of wells. V. S. Sporyshev. Nauch.-tekh. sbor. po dob. nefti no. 20;32-36 '63.
Effect of water soluble surfactants on the capillary properties of reservoir systems. Sh. K. Gimatudinov, V. A. Nikolaev. Izv. vys. ucheb. zav., neft' i gaz [illegible] no. 3;43-47 '64.

OIL RESERVOIR ENGINEERING (Continued)

Flow of multicomponent systems IU P Zheltov, M. D Rozenberg Nauch.-tekh. sbor po dob. nefti no 18:9-13 '62

Fluid inflow to a well of complex profile in a layered bed V N Tabakov Nauch -tekh sbor po dob nefti no 14 97-102 '61

Gas-water reservoir conditions. P K. Stradymov. Izv. vys. ucheb zav., neft' i gaz 6 no. 8:41-43 '63

Graphic analysis method for solving flow problems related to the drilling and exploitation of horizontal wells E V. Testiuk, G S Pashenkova Nauch -tekh sbor po dob nefti no 14 69-76 '61

Heat transfer through a well wall H J Ramey Nefteprom delo no. 5 42-44 '63

Improving a nonmercurial unit for the investigation of UIPN-2 reservoir oils A. I Khaznaferov. Mash. i neft. obor. no. 4.12-15 '64.

Investigating reservoirs on the basis of curves of the pressure change in reactive wells in the presence of a harmonic oscillation in the flow or pressure in a stimulation well N M Baikov, S. N Buzinov, I. D Umrikhin Nauch -tekh. sbor. po dob nefti no. 18 65-72 '62

Investigating the effect of reservoir pressure averaging on the external boundary of a reservoir. IU. P. Borisov, V. P. Tabakov. Nauch.-tekh. sbor po dob nefti no. 20 28-31 '63.

Investigating the inflow curves by introducing radioactive tracers into the reservoir E B Sukolovskii Nefteprom. delo no 4:7-10 '64

Nonsteady flow of real gas in a deformed nonuniform bed to wells operating under given output conditions. B. B. Lapuk, S. N. Zakirov, N. Kh. Garifullina. Izv vys. ucheb. zav., neft' i gaz 7 no. 3 81-86 '64.

Notes on certain uses of known propositions of mathematical statistics in the study of the distribution of reservoir permeability in a given set of observations. V P Pilatovskii. Nauch -tekh. sbor. po dob nefti no. 18:97-98 '62.

Simplified method for determining reservoir parameters. B. A. Bogachev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3:98, 106 '64.

Small disturbances in the ongoing displacement of the oil-water interface in a thin inclined bed. V. P. Pilatovskii. Nauch.-tekh. sbor po dob. nefti no. 18:14-20 '62.

Studying the geological uniformity of producing layers V V Voinov and others Nauch -tekh sbor po dob. nefti no 14 3-7 '61

Temperature variation in a radial direction relative to the well axis. T. K. Melikov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3.7-10 '61.

Use of deep-well radioisotope injector in the petroleum industry. J M. Edwards, E. L. Holter Nefteprom. delo no. 5:41-44 '65.

Using electric models to determine the reservoir parameters from the data of test wells. P. M. Belash Nauch.-tekh. sbor. po dob nefti no. 14 59-61 '61

Water drive with formation of a water-oil mixture in a thin inclined bed subject to constant pressure gradient V P. Pilatovskii Nauch -tekh. sbor. po dob nefti no. 14 10-46 '61.

OIL SANDS see subdivision under Dmitriyevka Oil Field; Kuba-Azov Lowland; Volga-Ural region

OIL SANDS—PERMEABILITY see subdivision under Darwin Shoal Oil Field; Siberia, Western

OIL SHALES
(see also subdivision under Estonia)

Possibility of the utilization of shale gas for the production of chemicals. E. V. Bryzgalova, V. L. Klimenko. Trudy LIEI no. 46:27-33 '63.

OIL WELL CASING

Bulging of casing pipes under conditions of creep. N. I. IAgubov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3:113-115 '64.

Causes of the wear of small-diameter casings. L A Karnaukhov, L B. Izmailov. Neft khoz 41 no 6.17-21 Je '63.

Concerning the metal of casing strings subject to perforation. M. A. Guseinov, I. I. Rozenblit, M. R. Shneiderov. Mash. i neft. obor. no. 5:6-8 '64.

OIL WELL CEMENTING

Exclusion operations in annular-space gas circulation in fields of Sakhalin. O V Merkushev. Nefteprom. delo no. 5:28-30 '63.

Fillers for preventing or eliminating the circulation losses. N. M. Okhrimenko, I. P. Prutianov, N. S. Kravchenko. Trudy VNIIBT no. 4 104-118 '62.

Investigating changes in the volume of cement slurry on hardening G N. Khangil'din Neft. khoz. 41 no. 6 21-24 Je '63

Investigating the effect of the reservoir waters of the fields of the eastern regions on hardened cement. A. IA. Lipovetskii, V. S. Daniushevskii. Trudy MINKHiGP 46:64-75 '64.

Investigating the filtration properties of oil well cements. E. M. Solov'ev, A. I. Leonidova. Trudy MINKHiGP 46:84-93 '64.

Relation between the strength and permeability of hardened cement. A IA. Lipovetskii, V. S Daniushevskii, Chzhao Pin-khuan [Chao P'ing-Huang]. Trudy MINKHiGP 46 75-83 '64.

Seminar po formirovaniiu tsementnogo kamnia, 1962. [Well cementing and water exclusion; data compiled at the All-Union Scientific and Technical Institute for Drilling Technology in October of 1962 at the Seminar on the Formation of Cement Stone] Kreplenie skvazhin i razobshchenie plastov, materialy sostoiavshegosia vo VNIIBT v oktiabre 1962 g. Seminara po formirovaniiu tsvetnogo kamnia. Moskva, Izd-vo "Nedra," 1964. 157 p.

OIL WELL DRILLING
(see also subdivision under Igrim Gas Field)

Amelin, B. A., V. D. Vasil'ev, and E. E. Glinskii. [New methods for the nonmetallic reinforcement of boreholes] Novye metody nemetallicheskogo kreplenia burovykh skvazhin. Leningrad, Nedra, 1964. 109 p.

Contact time and the dynamic load on elastic impact against a rock. L. E. Simoniants, B A. Zhlobinskii. Izv. vys ucheb. zav , neft' i gaz 5 no. 11 21-24 '62

Influence of stepped shape of bottom hole on the efficiency of rock disintegration. A. G Mdivani, A. M. Abdulzade, S. M Kuliev. Izv vys. ucheb. zav , neft' i gaz 6 no. 8:35-40 '63.

Necessary handbook. R Ioannesian Neft. khoz 41 no 6 68;3 of cover Je '63

Pressure losses in circulation openings and bit nozzles V. S. Fedorov, A. K. Kozodoi, A. V Zubarev. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11:25-30 '62.

Stability in the bottom-hole control of the drilling process. A. A. Minin, V. M Entov Trudy VNIIBT no. 4:3-28 '62.

Using clay powders in drilling oil and gas wells. P. I. Denisov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:10-11 '64.

OIL WELL DRILLING—COMMUNICATION SYSTEMS

Study of an electric wireless communication channel between the well bottom and the surface A. A Epshtein and others. Mash i neft obor. no. 5:28-33 '64.

OIL WELL DRILLING—COSTS

Planning the speed and cost of drilling operations for a long period of time. I. IA. Vainer, S. G. Plotel', A. I Tamanskii. Trudy VNIIBT no. 4:152-161 '62.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES
(see also subdivision under Bashkiria)

Certain problems involved in the wear of the parts of a turbodrill pivot. IA. M. Kershenbaum, A. S. Lesin. Trudy MINKHiGP 46:127-136 '64.

Diamond bits for drilling oil and gas wells. S. I. Kuvykin, N. F. Kagarmanov, P. S. Balandin. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11.119-120 '62.

Double-rimmed three roller bits. M. Gasan Bala and others Mash. i neft. obor. no. 6 3-5 '64.

Dynamic load on a bit in vertical drilling with bottom engines. P. V. Balitskii. Trudy MINKHiGP 46.45-59 '64.

Effect of the step shape of a well hole on the torque when drilling with cutter-type bits. A. M. Abdulzade, S. M. Kuliev, A. G. Mdivani. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3.31-36 '64.

Equipment for the surface hardening of drill pipes. IU. I. Baturin. Mash. i neft. obor. no. 5.8-12 '64.

Increasing the durability of a bit-leg pin. N. N. Efremov. Trudy MINKHiGP 46:119-126 '64.

Increasing the efficiency in the use of drilling equipment, a topic for discussion E I. Osadchuk, A N Rapoport Neft khoz 41 no 6 8-12 Je '63

Increasing the efficiency of drilling bits by changing the shape of the design. IU. A. Gritsaenko. Trudy MINKHiGP 46.104-118 '64.

Investigating the hydraulic parameters of the nozzles of jet bits. A. A. Khalilov. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11:101-105 '62.

N [illegible] toptekhizdat, 1964. 39 p.

New steel for the production of bit rollers. V. N. Vinogradov, G. K. Shreiber, G. M. Sorokin. Trudy MINKHiGP 46:101-104 '64.

Processes reducing the diffusion of a granular solid alloy (a tungsten carbide composition). E. M. Kuzmak, K. P. Efremova, IU. S. Turkin. Trudy MINKHiGP 46:197-206 '64.

Special threads for pipes and bottom-hole drilling engines. N. D. Shcherbiuk. Trudy VNIIBT no. 4:116-141 '62.

Unit for completion, flushing, and damping of wells with partial well case off. V. G. Smolianinov. Mash. i neft. obor. no. 4:3-5 '64.

Use of pneumatic spiders built into a rotor in deep drilling. G. S. Gazarian Mash. i neft. obor. no. 8:22-24 '63.

Using jet bits based on 2D16S standard box type bits. G. V Tovma Neft. khoz 41 no 6.56-58 Je '63.

OIL WELL DRILLING—MODELS

Determination of mechanical speed in modeling the drilling process involving the use of roller bits. L E Simoniants, B. A. Zhlobinskii. Izv. vys. ucheb. zav., neft' i gaz 6 no 8:25-29 '63

OIL WELL DRILLING, ELECTRIC

Checking the insulation for the two-line current supply of an electrodrill. I I Ginzburg Trudy VNIIBT no 4:89-103 '62.

Effect of the diameter of bits and the drilling depth on the indices of electric drilling V. I. Kurepin. Trudy VNIIBT no. 4.88-99 '62.

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES

E170/6 electrodrill. A. S. Klibanov. Trudy VNIIBT no. 4 74-87 '62.

OIL WELL DRILLING, SUBMARINE—EQUIPMENT AND SUPPLIES

Mast with variable inclination angle for double-barreled wells. V P Kalinichenko, M. F. Fishman Nefteprom. delo no. 5 30-32 '63

OIL WELL DRILLING FLUIDS

Effect of successive additions of reagents and the degree of polymerization of cellulose on the degree of esterification and solubility of carboxymethylcellulose in water. M Z. Finkel'shtein and others. Izv. vys. ucheb. zav., neft' i gaz 5 no 11:31-34 '62

Effect of thixotropy on visco-plastic fluid flow. N. P. Leshchii, D. IU. Mochernituk Izv. vys ucheb. zav.; neft' i gaz 6 no. 8:71-76 '63.

Investigating the antifoaming properties of polyorganosiloxane compounds used for drilling fluids. A. I. Berezhnoi, V. A. Sviridov, P. G. Fulagin. Izv. vys. ucheb. zav., neft' i gaz 7 no. 3 25-30 '64

Investigation of well temperature as a function of the duration of the drilling mud circulation. T. K Melikov. Izv. vys ucheb. zav.; neft' i gaz 6 no. 8:16 '63

Plant for preparing, weighting, and degassing drilling muds G. M. Vershovskii Mash i neft obor no. 8:25-27 '63

Viscous fluid flow from long and extremely short external cylindrical nozzles. Z. I Geller, IU. A. Skobel'tsyn. Izv. vys. ucheb. zav., neft' i gaz 6 no. 8:77-82 '63.

OIL WELL DRILLING RIGS

Basic trends in the development and improvement of power drives for drilling rigs, a topic for discussion I. I. Shturman Neft. khoz 41 no 6 13-17 Je '63

Effect of frictional force in a well on the efficient of the intermediate speeds of a draw works. M. M. Aleksandrov. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11.17-20 '62.

Electromagnetic sliding sleeve for drilling rigs. V. S. Vartanov. Mash. i neft. obor. no. 8:40-42 '63.

Method for evaluating the kinematic diagram of the main hoisting mechanism of drilling rigs. A. IA. Raikhel', V. A. Avakov, R. A. Bagramov. Mash. i neft. obor. no. 8:7-11 '63.

Place for setting the pipe setback in the working area of a drilling rig. G. S. Gazarian, P. V. Kutsyn. Mash. i neft. obor. no. 4:5-7 '64.

OIL WELL DRILLING RIGS—ELECTRIC DRIVING

Problems of the electric power supply of drilling rigs. A. N. Petrosian. Prom. energ. 19 no. 5:33-37 My '64.

OIL WELL DRILLING RIGS—FOUNDATIONS

Well-head trough for the installation of PKR-U7 pneumatic spiders on separate blocks without hoisting the drilling rig foundations G N Shestakov Neft khoz 41 no 6:51-56 Je '63

OIL WELL LOGGING see subdivision under Siberia, Western

OIL WELL LOGGING, ACOUSTICAL see subdivision under Azerbaijan

OIL WELL LOGGING, ELECTRIC see subdivision under Darwin Shoal Oil Field; Poland

OIL WELL PUMPS

Effect of the viscosity of the pumped fluid on the efficiency of a centrifugal pump. A. D. Matushkin. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11:82-88 '62.

Hydraulic resistances in a GN-40-1000 sinking piston assembly for petroleum production. V. R. Rozantsev. Nauch.-tekh. sbor. po dob. nefti no. 20:72-78 '63.

Pouring degassed liquid to combat the harmful effect of gas on the operation of a sinking centrifugal electric pump. B. I. Alibekov, L. B. Listengarten, A. M. Pirverdian. Izv. vys. ucheb. zav., neft' i gaz 6 no. 8:51-55 '63.

Using electric sinking pumps in wells with damaged production casing K. I. Isangulov and others Nefteprom delo no 4 11-12 '64

OIL WELL PUMPS—HYDRAULIC DRIVE

Diaphragm drill pump with hydraulic drive of the diaphragm. IA. S. Mkrtychan, A. G. Serdii. Mash. i neft. obor. no. 5.12-17 '64.

OIL WELL PUMPS—MAINTENANCE AND REPAIR

[illegible] in the hydraulic casing of [illegible] plastic. A.A. Aleksandrov [illegible] no 8 48 '63

OIL WELL SHOOTING—EQUIPMENT AND SUPPLIES

[illegible] the [illegible] casing strings subject to perforation. M.A. Garelin, I.I. Rozenblit, M.R. Shneiderov. Mash. i neft. obor. no 5 5-8 '64

OIL WELLS

[illegible] temperature as a function of the [illegible] circulation. T.K. Melik-[illegible] [illegible] 6 no 6 18 '63

OIL WELLS—ACIDIZATION

Effect of the [illegible] of acid flow in the fissures of carbonate rocks on the acid activity. A.N. Barron and [illegible] Neft. prom. delo no 5 33-36 '63

OIL WELLS—CLEANING

Cleaning [illegible] using aerated fluid with a [illegible] A.D. [illegible] V.I. Khabasukha-[illegible] no 4 13-17 '64

OIL WELLS—EQUIPMENT AND SUPPLIES

Calculating the longevity of the parts of a hoisting [illegible] device for underground well repairing. A.I. [illegible] Izv. vys. ucheb. zav.; neft' i gaz 6 no 8: 7-[illegible] '63

OIL WELLS—FLUID DYNAMICS

Displacement of the water-oil interface of a round battery of wells. A.Sh. Fazymov. Nauch.-tekh. sbor. po dob. nefti no. 20:10-21 '63

Features of investigations of fluid displacement in transparent models of porous media. B.E. Kisilenko. Nauch.-tekh. sbor. po dob. nefti no 20:24-28 '63.

OIL WELLS—HYDRAULIC FRACTURING
(see also subdivision under Texas)

Determination of the nature and direction of a fracture in the hydraulic fracturing based on field data. C.D. Fraser, B.F. Pettit. Nefteprom delo no 5 37-39 '63.

Vasil'ev, P.S., and others. [Technology of interval hydraulic facturing, the experience of oil workers in the Tatar A.S.S.R.] Tekhnologiia pointerval'nogo gidravlicheskogo razryva plastov; opyt neftianikov Tatarii) Moskva, Izd-vo "Nedra," 1964. 131 p.

OIL WELLS—TESTING

Improving techniques for investigating flowing wells with a DGM-4 differential deep-well manometer. E.S. Ilinkhin, A.U. Sagitov. Nauch.-tekh. sbor. po dob. nefti no 18 92-95 '62

Interpreting the results of reservoir testing with a tester. G.V. Shcherbakov. Nauch.-tekh. sbor. po dob. nefti no 18 72-76 '62

Selecting a group of pickups for formation testers on a cable. P.A. Brodskii, V.A. Isakaev. Nefteprom delo no 4 25-28 '64.

Vasil'ev, V.G., and N.V. Cherskii. [Testing of exploratory wells] Ispytanie razvedochnykh skvazhin. Pod red. F.A. Trebina. Moskva, Izd-vo "Nedra," 1964. 164 p.

OILS AND FATS—STANDARDS

[Vegetable oils] Masla rastitel'nye. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 150 p. (SSSR. Gosudarstvennye standarty)

OILSEED PLANTS
(see also subdivision under Kazakhstan; Siberia; Ural Mountain region)

Volatile acid content in leaves and seeds of ripe oilseed plants. L.P. Zhdanova. Dokl. AN SSSR 156 no. 5 1429-1431 Je '64.

OINTMENTS

Consultation by correspondence on the preparation of some ointments. Farmatsev. zhur. 15 no. 5:90-91 '60.

Outpatient treatment of varicose ulcer with zinc gelatin dressings. A.P. Tikhonova. Vest. derm. i ven. 37 no. 6:65-67 Je '63

Protective pastes and the role of the barrier function of the skin in evaluation of their effectiveness. T.S. Bruevich. Vest. derm. i ven. 37 no 6:30-35 Je '63

OKA-DON LOWLAND—LANDFORMS

Characteristics of the typological landform complexes in the Oka-Don Lowland. F.V. Tarasov. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:138-148 '62.

OKATOVA, MARGARITA

Two youths. E. Lutskaia. Sov muz. 27 no. 12:50-53 D '63

OKHOTSK SEA REGION—BIRDS—GEOGRAPHICAL DISTRIBUTION

Landscape on ornithogeography of the Okhotsk taiga. A.P. Kuziakin, P.P. Vtorov. Ornitologiia no. 6 184-194 '63

OKHOTSK SEA REGION—BIRDS—MIGRATION

Fall migration of birds over the Okhotsk Coast. P.P. Vtorov. Ornitologiia no 6 321-324 '63

OKLAHOMA—PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES

Well equipment for the simultaneous and separate exploitation of two beds. F.E. Fields. Nefteprom delo no 4 34-35 '64

OKNITSA (MOLDAVIA)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Concrete approach is an indispensable condition of successful leadership. P. Prasol. Komm. Mold. 9 no. 2 38-43 F '64.

OLBIA (BORYSTHENES)—ANTIQUITIES

Authenticity of Herodot's information on Olbia. K.F. Grinevich. Vest. drev. ist. no. 1 105-110 '64.

OLBIA (BORISTHENES)—COINS, ANCIENT

Olbian coins with the inscription "APIX." V.A. IAtsko. Pratsi Od. un Zbir. stud. rob. 146 no. 4:23-25 '56

OLD-AGE HOMES
(see also subdivision under Moscow Province)

Vacations for workers in the homes for the aged and physically handicapped; their working day. S. Kochnov. Sots. obesp. 25 no. 3:54-56 Mr '64

OLEFINS

Continuous alkylation of benzene with olefins obtained in the thermal cracking of paraffin. E.K. Ivanov, L.A. Potolovskii, A.I. Doladugin. Trudy VNII NP no 9 211-255 '63

Determining the α-olefins in pyrolysis gasolines by multistage chromatography. V.N. Timkin. Neftekhimiia 4 no 1 133-136 Ja-F '64

Effect of diene hydrocarbons on oxo process. D.P. Krinkin, D.M. Rudkovskii. Khim. prom. no. 10 731-735 O '63.

Levin, A.N. [Plastic material number one] Plastik nomer odin. Moskva, Izd-vo "Znanie," 1964. 37 p (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no. 3)

Mechanism of reactions of phosphorus acid chlorides with oxides of alkenes and dienes. A.N. Pudovik, E.M. Faizullin. Zhur. ob. khim. 34 no. 3:882-889 Mr '64.

Obtaining detergents (secondary alkyl sulfates) from olefins. E.M. Kheifets and others. Trudy VNII NP no 9 81-94 '63

Peculiar features of the structure of π-complexes formed by ions of d-family and olefins. V.A. Tulupov. Zhur. fiz khim. 38 no. 4:1059-1060 Ap '64.

Synthesizing sodium alkylbenzene sulfonate (NP-3 sulfonol) on a base of olefins obtained in the thermal cracking of paraffin. A.I. Doladugin and others. Trudy VNII NP no 9 95-109 '63

Use of butylenes in petroleum chemistry. V.L. Klimenko, E.B. TSyrkin. Trudy LIEI no 46:34-43 '63.

OLEKSIUK, STEPAN, 1892-1941

Skillful portrayal of personages in S. Tudor's novel "A day in father Soika's life"; methods of showing the internal world of Soika, the principal negative character of the novel. P.F. Folia. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:67-76 '56.

OLENEK VALLEY—BITUMEN—GEOLOGY

Find of a new-type highly carbonized bitumen in the middle Olenek Valley. A.B. Alekseeva. Lit. i pol. iskop. no. 2:142-146 Mr-Ap '64.

OLIGOCHAETA see subdivision under Tiflis Reservoir

OLITORISIDE

Effect of olitoriside on the prothrombin index and the duration of hemorrhages. U. Fatkhullaev, N.S. Kol'ginbaev. Trudy Inst. kraev. eksper. med. no. 5: 192-193 '63.

OLYMPIC GAMES (WINTER) see subdivision under Innsbruck

OMISSION, CRIMINAL

Damage caused by unlawful inaction. I.S. Samoshchenko. Uch. zap. VIIUN no. 17:29-40 '63.

OMSK—MEDICAL COLLEGES

Forty years of aid rendered to the public health agencies of Omsk Province. N.I. Shangin, I.G. Legen'kii. Trudy Perm. gos. med. inst. 43:31-37 '63.

Omsk Medical Institute, its role in training specialists and developing science. I.S. Novitskii. Trudy Perm. gos. med. inst. 43:24-30 '63.

OMSK—MEDICAL RESEARCH

Omsk Medical Institute, its role in training specialists and developing science. I.S. Novitskii. Trudy Perm. gos. med. inst. 43:24-30 '63.

OMSK—MEDICAL SOCIETIES

International relations of the Omsk Medical Society (1883-1908). I.G. Legen'kii. Trudy Perm. gos. med. inst. 43:165-170 '63.

OMSK—PUBLIC HEALTH

Communal activist group of the public health service in the struggle for sanitary culture in Omsk. N.I. Shangin. Trudy Perm. gos. med. inst. 43:312-316 '63.

OMSK—TULAREMIA

Clinical characteristics of an epidemic outbreak of tularemia in 1961 in Omsk, author's abstract. [illegible] Dalmatov. Zhur. mikrobiol., epid. i immun. [illegible] 83-84 My '63.

OMSK PROVINCE—MUSTARD

Indian mustard in Omsk Province. V.I. [illegible] [illegible] ledelie 26 no 2 71 F '64

OMSK PROVINCE—PUBLIC HEALTH

Forty years of aid rendered to the public health agencies of Omsk Province. N.I. Shangin, I.G. Legen'kii. Trudy Perm. gos. med. inst. 43:31-37 '63.

ONCOLOGY
(see also subdivision under Sverdlovsk; Ukraine, Ural Mountain region)

In the European Committee of the World Health Organization. A.N. Novikov. Vop. onk. 8 no. 9:[illegible] '62

Review of the English translation of N.N. Petrov's [illegible] "Manual on general oncology." Vop. onk. 8 no. [illegible] '62.

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur. Ob. vop. pat. Onk. no. 12 Je '61.

ONCOLOGY—CONGRESSES

Proceedings of the 66th joint meeting of the Scientific Society of Oncologists of Leningrad and Leningrad Province and the Section of Child Surgery of the [illegible] Surgical Society, March 1, 1962. S.A. Kholdin, [illegible] Napalkov. Vop. onk. 8 no. 9:119-121 '62

ONCOLOGY, EXPERIMENTAL

Appearance of multiple neoplasms in dogs under the influence of Sr^{90}. Z.I. Poluboiarinova, V.N. [illegible] Vop. onk. 8 no. 11 16-20 '62.

Importance of tissue culture in the study of oncogenic viruses. A.D. Timofeevskii. Vop. onk. 8 no. [illegible] '62.

Inhibition of antibody production in response to antigens of normal and tumor-bearing rabbit tissues in the organism of rats with developed tolerance. [illegible] Radzikhovskaia. Vop. onk. 8 no 11:[illegible]-10 '62.

Oncological characteristics of a new line of inbred [illegible] mice DBR. A.M. Diad'kova, E.A. Lotosh. Vop. [illegible] 8 no 11.40-47 '62.

ONIONS

Localized effect of photoperiods on the leaves of [illegible] onion and the formation of bulbs. F.E. Reimers, [illegible] Pushkareva. Trudy Vost.-Sib. fil. AN SSSR [illegible] 42 '62.

ONIONS—STORAGE

Content of organic acids in the common onion bulbs. B.P. Sendarovich, R.M. Klinchina. Trudy Vost. [illegible] fil. AN SSSR no. 35:30-32 '62.

Oxidative processes in the bulbs of common onions during the wintering period. B.P. Sendarovich, [illegible] Trudy Vost.-Sib. fil. AN SSSR no. 35:21-29 '62.

ONOBRYCHIS

Chemical composition of Onobrychis sibirica Turcz. and multicolored vetch (Vicia picta Fisch. et Mey.). [illegible] Komizerko. Biul. Glav. bot. sada no. 53:77-80 '64.

ONOMATOPOEIA

Structure of onomatopoeic Semitic stems. A.M. [illegible] Ginzberg. Krat. soob. Inst. nar. Az. no 72:3-8 '63

ONTOGENY

Development of the terminal synapses in ontogenesis. S.A. Troitskaia. Arkh. anat., gist. i embr. 44 no. 4 110-115 Ap '63.

Histochemical study of glycogen in the heart muscles of sheep in ontogeny. O.I. Bordongarova. Izv. AN Kazakh. SSR. Ser. biol. nauk 2 no. 1:62-68 Ja-F '64.

Myelinization of the cortex of the supratemporal surface of the human gyrus temporalis superior during postnatal ontogenesis. O.S. Sirotina. Arkh. anat., gist. i embr. 44 no 4:73-80 Ap '63

Review of the transactions of the expanded scientific conference of the Institute of the Brain "Structure and function of human analysors in ontogeny." V.I. [illegible], O.A. Uvarova. Zhur. nevr. i psikh. 63 no. 6:945-946 '63.

ONTOGENY (BOTANY)

Individuality and life cycles of plants. G.G. Levin. Bot. zhur. 49 no. 2:272-280 F '64.

OOGENESIS

Morphogenetic processes during cleavage of the rat ovum in relation to cytoplasmic differentiation of the oocyte during the period of oogenesis. E.A. [illegible] Arkh. anat., gist. i embr. 44 no. 4.26-36 Ap '63

OPARIN, ALEKSANDR IVANOVICH, 1894-

Honoring Academician A.I. Oparin. Vest. AN SSSR 34 no. 5:159-161 My '64.

OPEN-CUT MINING see Strip mining

OPEN-HEARTH PROCESS

Comparing the technical and economic indices of the open-hearth and converter processes operating with an oxygen blow. I.S.Gokhman, V.S IAzykov. Sbor.trud. Otd.tekh.-ekon.issl.TSNIICHM no.1 43-55 '63.

Dobrokhotov, N.N., and others. [Steel production in open-hearth furnaces] Martenovskoe proizvodstvo stali Pod red. N N.Dobrokhotova Moskva, Izd-vo "Metallurgiia," 1964 239 p

Efficiency of using oxygen, compressed air, and superheated steam in the open-hearth process. V.A.Rozhkov Sbor.trud.Otd.tekh.-ekon.issl.TSNIICHM no.1 13-33 '63.

Trubin, K.G., and G.N.Oiks [Metallurgy of steel; the open-hearth process, technological part] Metallurgiia stali; martenovskii protsess, chast' tekhnologicheskaia. Izd.3., perer. i dop. Moskva, Izd-vo Metallurgiia, 1964. 770 p.

OPEN-HEARTH PROCESS—COSTS

Efficiency of the various alternates of open-hearth smelting with an increased oxygen feed. L.I.Nikitina Sbor.trud.Otd.tekh.-ekon issl.TSNIICHM no 1 34-42 '63

OPERA see subdivision under Italy, Moscow; Odessa, White Russia

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Asymptotic behavior of the spectral function of a Schrodinger operator near a plane piece of the boundary M.G.Gasymov, B.M Levitan. Izv.AN SSSR Ser.mat 28 no.3 527-552 My-Je '64

Asymptotic equalities for the approximation of functions by a family of linear integral operators in the metrics of C and L_p spaces. L.G.Labsker. Dokl AN Azerb SSR 20 no.2:3-10 '64

Calculation of the regularized trace for a Sturm-Louiville operator. B M.Levitan. Usp.mat.nauk 19 no.1:161-165 Ja-F '64.

Commutative algebras of operators in H_1 space. M.A. Naimark. Dokl.AN SSSR 156 no.4:734-737 Je '64.

Determining the exactness of the perturbation method B V Loginov. Izv AN Uz SSR.Ser fiz.-mat nauk 7 no 5 11-20 '63

Difference analogs of orthogonal series of fundamental differential operators and certain boundary value problems in mathematical physics. Part I. V I. Lebedev. Zhur.vych.mat.i mat.fiz. 4 no.3:449-465 My-Je '64.

Existence of eigenvectors in linear positive not perfectly continuous operators. I.A.Bakhtin. Mat.sbor. 64 no.1.102-114 My '64.

Factorization of a polynomial of Bessel operators. S.I.Osipov. Zhur.vych.mat.i mat.fiz. 1 no.1: 149-155 Ja-F '64.

Factorization problem in normed rings, functions of isometric and symmetric operators, and singular integral equations. I.TS.Gokhberg Usp.mat nauk 19 no.1:71-124 Ja-F '64.

Function of the spectral shift for Sturm - Louiville operators. V.A.IAvian. Dokl.AN Arm.SSR 38 no.4: 193-198 '64.

Interpolation and extrapolation of linear operators in Orlicz spaces. I.B.Simonenko. Mat.sbor. 63 no.4: 536-563 Ap '64.

Invariance of the spectrum of slight perturbations of a polyharmonic operator R M Martirosian Izv AN SSSR Ser.mat 28 no 1.79-90 Ja-F '64

Invariant subspaces of a linear operator and the divisors of its characteristic function. M.S.Brodskii, IU.L. Shmul'. Usp.mat. nauk 19 no.1.143-140 Ja-F '64.

Iterative methods for finding the eigenvalues of self-adjoint operators. F.Kunert. Zhur.vych.mat.i mat.fiz. 4 no.1:143-145 Ja-F '64.

Iterative processes. R.A.Shafiev. Zhur.vych.mat.i mat.fiz. 4 no.1:139-143 Ja-F '64.

Order of approximation of class Z_1 functions by linear positive polynomial operators I.M.Petrov Usp.mat nauk 19 no.2.151-154 Mr-Ap '64

Spectrum of a regular quasi-differential operator. A.V. Kuzhel'. Dokl.AN SSSR 156 no.4:731-733 Je '64.

Spectrum of a Volterra operator on a semiaxis and the exponential increase of solutions to systems of Volterra type integral equations. E.I.Gol'dengershel'. Mat. sbor. 64 no.1.115-139 My '64.

OPERETTA

Normet, Leo, and Helga Tonson. [Operetta here and elsewhere] Operett mujal ja meil. Tallinn, Eesti Riiklik Kirjastus, 1963. 65 p. (Kultuuriulikool) [In Estonian]

OPPEL', VLADIMIR VLADIMIROVICH, 1900-1962

In memoriam of V.V.Oppel'. V.A.IUr'ev. Vop.med. khim. 9 no.1:105-106 Ja-F '63.

OPTIC NERVE

Pathways of conducting primary specific information in the visual analysor system. N.N Liubimov. Zhur. vys.nerv.deiat. 14 no.2:287-295 Mr-Ap '64.

Some characteristics of the reticular facilitation of responses of the visual system. S P.Narikashvili and others. Trudy Inst.fiziol.AN Gruz.SSR 13:15-33 '63.

Study of the electric activity of the optic nerve in various functional states. M.A.Allakhverdian. Vop. radiobiol.[AN Arm SSR] 3/4:179-185 '63.

OPTICAL MEASUREMENTS

Higher accuracy in measuring the optical thickness of a layer. N.G.Preobrazhenskii. Izv.vys.ucheb.zav., fiz. no.2:19-52 '64.

OPTICAL ROTATION

Rotation of the polarization plane in quartz near the temperature of phase transition. L.T Mikheeva, O.A. Sinistin Kristallografiia 9 no.3:423-125 My-Je '64

OPTICIANS see subdivision under Odessa, Poltava

OPTICS, GEOMETRICAL

Weakly damping of plasma waves. V.P Silin. Zhur. tekh.fiz. 34 no.2.236-247 F '64.

ORANGE JUICE

Juice from whole unpeeled oranges. Kons.i ov.prom. 19 no.4:35 Ap '64

ORBIT (EYE)—TUMORS

X-ray indications of intraorbital and extraorbital tumors V.N.Artiushkov. Vest.rent.i rad. 38 no 6 34-37 N-D '63

ORDZHONIKIDZE DISTRICT (NORTH, OSSETIA)—COLLECTIVE FARMS

Potentials for increasing agricultural production on the collective farms of Ordzhonikidze District, North Ossetian A S S R. B A TSutsiev Izv Sev -Oset nauch -issl.inst 18 25-41 '56.

ORDZHONIKIDZE DISTRICT (NORTH, OSSETIA)—PASTURES AND MEADOWS

Pastures and meadows of Ordzhonikidze District, North Ossetian A S S R. V M Bogdanov, A I Krivitskii Izv Sev -Oset nauch -issl inst 18 79-92 '56

ORE DEPOSITS

(see also subdivision under Altai Mountains; Armenia, Azerbaijan; Balkhash Lake region; Carpathian Mountains; Caspian Sea region, Caucasus; Caucasus, Northern; Crimean Mountains; Georgia; Kama Valley; Kazakhstan; Khabarovsk Territory; Tajikistan, Terekhta Range; Tien Shan; Transbaikalia; Transcarpathia, Transcaucasia; Ural Mountain region, Uzbekistan)

Characteristics of thermal piercing of boreholes in complex ore deposits. A.P.Dmitriev, IU.P.Lebedev, Kh.Kh.Shamirzaev. Nauch.trudy Mosk.inst.radioelek. i gor.elektromekh. no 47:67-75 '63.

Concerning K.L.Pozharitskii's article "Calculation and practical importance of possible reserves of ore deposits of the category C^2." G.B.Chernyshev. Sov. geol. 7 no.1 159-160 Ja '64.

One feature of ore-bearing granitoids. V.V.Liakhovich, Geol.rud.mestorozh. 6 no.2:70-84 Mr-Ap '64.

Paragenetic ore complexes as a basis for metallogenetic studies. P.S.Saakian. Zakonom.razm.polezn.iskop. 7:392 '64

Sergeev, A.A. [Efficient utilization of ore deposits] Ratsional'noe ispol'zovanie rudnykh mestorozhdenii. Moskva, Izd-vo 'Metallurgiia," 1964. 247 p.

Some characteristics of the metallogeny of the Mediterranean geosynclinal zone. G.A.Tvalchrelidze. Zakonom.razm.polezn.iskop. 7:48-180 '64.

Some problems of the theory of ore deposits. V.S. Domarev. Zap.Vses.min.ob-va 93 no.2:223-231 '64.

Temperature of the earth and some problems of the metallization of geosyclines and deep faults. A T Aslanian. Zakonom.razm.polezn.iskop. 7:388-390 '64.

Theory of the persistence of mineral deposits. I.P. Sharapov. Nauch.trudy PermNIUI no.4:5-23 '62.

Types of deposits associated with paleovolcanism. V.N. Kotliar. Zakonom.razm.polezn.iskop. 7:339-346 '64.

Types of minerogenetic provinces in the fold areas of the U.S.S.R. A.I.Semenov. Zakonom.razm.polezn. iskop. 7:387-388 '64.

ORE DEPOSITS—BIBLIOGRAPHY see Bibliography—Ore deposits

ORE DEPOSITS—CLASSIFICATION

Classification of the types of metallogenetic zones of the earth's crust. D.N.Gorzhevskii, V.N.Kozerenko. Zakonom.razm.polezn.iskop. 7:390-391 '64.

ORE DEPOSITS—MAPS see subdivision under Abkhazia; Alaverdi region (Armenia); Caucasus, Northern; Georgia

ORE DRESSING

(see also subdivision under Krivoy Rog Basin; Kursk Magnetic Anomaly)

Automation of crushing cycles in ore dressing plants. E.V.Uteush and others. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 17 no.2:79-82 '64.

Certain problems involved in the treatment of potassium salts of Starobin deposits. Kh.M.Aleksandrovich, M.M.Pavliuchenko. Khim.prom no.10 765-770 O '63.

Method of dressing iron ores in the Northern Mining and Ore Dressing Combine. N.P.Titkov Gor.zhur. no.11:75-76 N '63.

Modern trends in the design of iron ore dressing plants. M.I.Miagkov Obog.rud. 8 no.4:14-23 '63.

Nauchno-issledovatel'skii institut po problemam kurskoi magnitnoi anomalii im Akademika L.D.Shevlakova. [Technology of the underground mining and dressing of iron quartzite from the Kursk Magnetic Anomaly] Tekhnologiia podzemnoi dobychi obogashcheniia zhelezistykh kvartsitov KMA. Moskva, Izd-vo "Nauka," 1964. 114 p

Obtaining conditioned titanium concentrates from hard-to-concentrate titanium ores. A.P.Nadol'skii and others. Trudy IPI no.18 156-159 '63.

Obtaining high-grade concentrates from iron quartzites of the Kostomuksha deposit. K S Pavlova. Obog.rud. 8 no.4:9-14 '63.

Patkovskii, A.B. [Ore dressing plants for the iron and steel industry] Fabriki dlia okuskovaniia rudnogo syr'ia chernoi metallurgii. Moskva, Izd-vo Metallurgiia, 1964. 399 p.

Research by the Mekhanobr Institute on improving the technology of dressing iron and manganese ores. IU.R.Ashitkov. Gor.zhur. no.5:10-11 My '64.

Some characteristics of the technological plan for dressing magnetite. M.I.Miagkov. Gor.zhur. no.11: 52-57 N '63.

Technical and economic basis for the optimal depth of dressing iron ores. A.S.Finkel'shtein. Gor.zhur. no.5:54-59 My '64.

Trop, A E., V.M.Arshinskii. [Electrical equipment and automation of concentrating plants] Elekrooborudovanie i avtomatizatsiia obogatitel'nykh fabrik. Izd.3 , perer. i dop. Moskva, Izd-vo "Nedra," 1964. 309 p.

Volotkovskii, S.A , and V.A.Bun'ko. [Automation of industrial processes in ore dressing plants] Avtomatizatsiia proizvodstvennykh protsessov na obogatitel'nykh fabrikakh. Moskva, Izd-vo "Nedra," 1964. 281 p.

ORE DRESSING—BIBLIOGRAPHY see Bibliography—Ore dressing

ORE DRESSING—EQUIPMENT AND SUPPLIES

Automatic density control of a classifier overflow with the use of correction pulses. V.A.Levidov, M.G.Zabirov. Obog.rud. 8 no.4:39-41 '63.

Automation of autogenous operations for the repair of equipment. I.I.Peshcherot. Gor.zhur. no.5:74-75 My '64.

Creation of automatic discharge arrangements on multiple compartment hydraulic classifiers. P.S. Ermolaev, T.A.Zakharova Trudy VNIIStroidormash. 32:73-91 '63.

Effect of variable conditions of classification on the performance of a multiple compartment hydraulic classifier. T.A.Zakharova. Trudy VNIIStroidormash. 32:117-128 '63.

Method of calculating the technological process of classification on vibrating grizzlies. V.A.Bauman. Trudy VNIIStroidormash. 32:3-9 '63.

Results of investigating a multiple compartment hydraulic sand classifier. P.S.Ermolaev. Trudy VNIIStroidormash. 32:92-116 '63.

ORE HANDLING

(see also subdivision under Zyryanovsk, East Kazakhstan Province)

Effect of the consumption of quartz flux on the distribution of metals in the conversion of polymetallic mattes. O.G.Miller, A.P.Rasskazov. Izv AN Uz.SSR.Ser. tekh.nauk 7 no.1:74-80 '63.

Secondary crushing and its effect on the productivity and dustiness of work in the extraction of the ore from the block. A.N.Balobolkin. Izv.AN Uz.SSR.Ser.tekh. nauk 7 no.1:68-73 '63.

OREL PROVINCE—FARM PONDS

Engineering geological evaluation of soils under ponds in the forest-steppe and steppe zones in the European part of the U.S.S.R. V.A.Emel'ianov. Trudy VNIIGIM 42:31-44 '63.

ORENBURG—FLOUR MILLS—ECONOMIC ASPECTS

Economic councils staffed with volunteers and the bureau of economic analysis. M.Kashkurevich and others. Muk.-elev.prom. 30 no.6:10-11 My '63.

ORENBURG GOVERNMENT—PUBLIC HEALTH—CONGRESSES

First government-wide congress of physicians and the public health service of Orenburg Government. I.I. Kagan. Trudy Perm.gos.med.inst. 43:298-303 '63.

ORENBURG PROVINCE—GRAIN—TESTING

Experiments in the reconstruction of control and testing laboratories. A.Kiselev, M.Kozub, A.Bel'man. Muk.-elev.prom. 30 no.5:17-19 My '63.

ORENBURG PROVINCE—METAL INDUSTRIES—HYGIENIC ASPECTS

Two plus one hundred N Tatarskaia. Sov.profsoiuzy 20 no 11:30-32 Je '64 [illegible] PROVINCE—TRADE UNIONS—OFFICERS

[illegible] profsoiuzy [illegible]

[illegible] (AZERBAIJAN)—POTTERY

[illegible] ancient site [illegible]

[illegible]

[illegible]

ORFF, CARL, 1895-

[illegible], O. T. [Carl Orff] Karl Orf. Moskva, Muzyka, 1964. [illegible] p.

ORGANIC CHEMISTRY see Chemistry, Organic

ORGANIC MATTER
(see also subdivision under Atlantic Ocean, Black Sea; Kura-Araks Lowland)

[illegible] sea macrophytes as a factor in- [illegible] of offshore communities. [illegible] SSSR 16 496-505 '63

ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES

[illegible] Petroleum exporting [illegible] Mezhdunar. zhizn' 11 no.6 [illegible]

ORGANOMETALLIC COMPOUNDS

Kolpakov, A. I. [Metals in organic molecules] Metally v organicheskikh molekulakh. Moskva, Izd-vo "Znanie," 1964 [illegible] p (Novoe v zhizni, nauke, tekhnike XI Seriia Khimiia, no 4)

ORGEYEV DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

[illegible] glory, and pay will come after I. Iordanov [illegible] 14 53-56 Je '64

ORIENTAL STUDIES
(see also subdivision under Azerbaijan)

[illegible] in Delhi. A. I. Gilber. Vest. [illegible] 116-121 [illegible] '64.

ORIENTATION

Changes in the correlations of the orientation and motor conditioned reflexes under the effect of atropine. E. A. [illegible]. Zhur. vys. nerv. deiat. 14 no 2.211-222 Mr-Ap '64.

Individual variation factors in cerebral biocurrent reactions of rhythmical light stimuli. V. D. Nebylitsyn. Zhur. vys. nerv. deiat. 14 no. 2 195-203 Mr-Ap '64

ORLOV, DMITRII NIKOLAEVICH, 1892-

[Dmitrii Nikolaevich Orlov; a book about his work] Dmitrii Nikolaevich Orlov; kniga o tvorchestve [Moskva, Vserossiiskoe teatral'noe ob-vo, 1962] 311 p

ORLOV, MIKHAIL FEDOROVICH, 1788-1842

Pavlova, L. IA. [Decembrist M. F. Orlov] Dekabrist M. F. Orlov. Moskva, Izd-vo "Nauka," 1964. 142 p. (Nauchno-populiarnaia seriia)

ORNAMENTAL PLANTS see Plants, Ornamental

ORNITHOLOGICAL RESEARCH

[illegible] Oka (Central) Ornithological Station." [illegible] V. F. Larionov, O. K. Gusev. Ornitologiia [illegible] '63

ORNITHOLOGY—CONGRESSES

[illegible] Ornithological Conference. G. P. De- [illegible] Ornitologiia no 6:491-492 '63.

ORNITHOLOGY—PERIODICALS

[illegible] the publication "Ornitologiia." V. F. [illegible] Ornitologiia no 6 3-9 '63

ORTHODOX EASTERN CHURCH

The church and the Provisional Government. E. S. Osipova. Vop ist 39 no 6 64-76 Je '64.

ORTHOGONAL SERIES see Series, Orthogonal

ORTHOPEDIA

Gagiev, P. P. [Plastics in orthopedics, traumatology and osteoarticular tuberculosis] Plasticheskie massy v ortopedii, travmatologii i pri kostno-sustavnom tuberkuleze. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 192 p.

ORTHOPEDIC APPARATUS INDUSTRY
(see also subdivision under Leningrad)

Chemistry is in our service. Sots. obesp. 25 no.3: 45-48 Mr '64.

New articles for invalids. V. Sanin. Sots. obesp. 25 no.3:49-50 Mr '64.

ORTHOPTERA
(see also subdivision under Estonia)

Orthopteroid insects (Orthopteroidea) introduced into the U.S.S.R. with tropical goods. G. IA. Bei-Bienko. Ent obos 43 no 1.131-137 '64

OSCILLATIONS

Asymptotic theory of relaxation oscillations in systems with a single degree of freedom. Part 2: Calculation of the limit cycle period. N. Kh. Rozov. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 3.56-65 My-Je '64

Oscillations in a nonlinear control system. D. G. Mavlianova. Izv. AN Uz. SSR Ser. tekh. nauk 7 no 6 7-9 '63

Oscillations in units of control systems due to periodic disturbances. Kh. U. Umiarov. Izv. AN Uz. SSR, Ser. tekh. nauk 7 no. 1 14-20 '63.

OSCILLATORS, ELECTRIC

Nanosecond pulse generator G5-16. Prib. i tekh. eksp. 8 no 6 195 N-D '63

Steep-edge 150 kw pulse generator. G. A. Vorob'ev and others. Prib. i tekh. eksp. 8 no 6 93-94 N-D '63

Wide-range pulse generator on transistors. E. A. Lukin, B. I. Shitikov. Prib. i tekh. eksp. 8 no 6 173-174 N-D '63

OSCILLATORS, ELECTRON-TUBE

Calculation of a hard-driven electron-tube generator. G. A. Zeitlenok. Radiotekhnika 19 no. 2 38-46 F '64.

Calculation of the optimum operation of an electron-tube oscillator. G. I. Vasil'ev. Radiotekhnika 19 no. 5 60-61 My '64

Nonisochronism of harmonic self-oscillators. A. N. Bruevich. Radiotekhnika 19 no. 5:51-59 My '64.

OSCILLATORS, TRANSISTOR

Concerning one method for analyzing transients in circuits of a delayed relaxation oscillator with a pulse shaping line using a tunnel diode. Radiotekhnika 19 no. 5 30-36 My '64.

Frequency stability of a germanium tunnel diode oscillator. E. A. Akchurin, V. A. Styblik. Elektrosviaz' 18 no. 4 77-79 Ap '64.

Transistorized doubled-pulse generator. V. S. Eletskii, V. V. Lebedev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:43-44 '64.

OSCILLOGRAPH

Method for reducing the film feed speed in the MPO-2 and N-102 oscillographs. V. E. Loginov, N. N. Novikov. Priborostroenie no 3:25 Mr '64.

Stroboscopic superhigh-frequency oscillograph. E. B. Volodin, V. N. Nikiforov. Prib. i tekh. eksp. 8 no 6 106-112 N-D '63

OSCILLOGRAPHY

Relaxation oscillations in dielectrics. M. S. Kosman, A. N. Sozina. Dokl. AN SSSR 156 no. 4:778-780 Je '64.

Thermal processes in point diodes during the passage of current pulses. S. S. Gutin, A. O. Pusep. Izv. vys. ucheb. zav.; fiz. no. 2:176-177 '64.

OSMOSIS

Changes in the osmotic function of the kidneys in burn disease. S. M. Orlov, M. G. Pelisov. Vest. AMN SSSR 18 no 10:24-30 '63.

OSSETIA—HISTORY

On the history of the relationship and friendship between the Kabardian and Ossetian peoples. V. P. Krikunov. Izv. Sev. -Oset. nauch. -issl. inst. 18 185-202 '56.

OSSETIA, NORTH—AGRICULTURE

Agriculture of North Ossetia in the sixth five-year plan. V. S. Totoev. Izv. Sev. -Oset. nauch. -issl. inst. 18 3-10 '56

OSSETIA, NORTH—BUILDING MATERIALS

Natural building materials of North Ossetia and their industrial utilization. G. Kh. Vermishev. Izv. Sev. -Oset. nauch. -issl. inst. 18 42-66 '56.

OSSETIA, NORTH—DIABASE

New data on the structure of the Kazbek diabase belt. V. V. Avdonin. Sov. geol. 7 no. 1:120-135 Ja '64.

OSSETIA, NORTH—INDUSTRIAL HYGIENE

Let's move in step with the time. I. Btemirov. Okhr. truda i sots. strakh. 7 no. 6:3-4 Je '64.

OSSETIA, NORTH—LAND TENURE

Remnants of feudalism in land relations in the mountains of North Ossetia during the postreform period. B. V. Skitskii. Izv. Sev. Oset. nauch. -issl. inst. 18 151-184 '56.

OSSETIA, NORTH—LEPTOSPIROSIS

Materials on the epidemiology of leptospirosis in the North Ossetian A. S. S. R. IU. G. Chernukha and others. Zhur. mikrobiol., epid. i immun. 40 no. 5:52-56 My '63.

Natural foci of leptospirosis in the North Ossetian A. S. S. R. E. V. Karaseva and others. Zhur. mikrobiol., epid. i immun. 40 no. 5:56-60 My '63.

OSSETIA, NORTH—MOLASSES

Potentials for increasing the production of the starch and molasses industries in North Ossetia. A. A. Gazdarov. Izv. Sev. -Oset. nauch. -issl. inst. 15 67-76 '56.

OSSETIA, NORTH—REVOLUTION, 1917-1921

Struggle of North Ossetian workers for the [illegible] 1917 to 1921. M. S. Totoev. Izv. Sev. -Oset. [illegible] issl. inst. 18 [illegible] '56

OSSETIA, NORTH—STARCH INDUSTRY

Potentials for increasing the production of the [illegible] molasses industries in North Ossetia. [illegible] Izv. Sev. -Oset. nauch. -issl. inst. 18 [illegible]

OSSETIA, NORTH—TRADE UNIONS

Let's move in step with the time. I. Btemirov. [illegible] truda i sots. strakh. 7 no 6:3-4 Je '64

OSSETIC LANGUAGE

Main stages in the development and [illegible] enrichment of the Ossetian literary language. [illegible]aev. Izv. Sev. -Oset. nauch. -issl. inst. [illegible] '56

OSSETIC LANGUAGE—NOUN

Number of nouns in the Ossetic language. [illegible] Izv. Sev. -Oset. nauch. -issl. inst. 18 [illegible]

OSSIFICATION

A case of multiple progressive myositis ossificans. [illegible] Vest. rent. i rad. 38 no. 6:[illegible]

Heterotopic ossification in the rat kidney [illegible] [with summary in English]. K. V. [illegible] Arkh. anat., gist. i embr. 44 no. 5:112-118 My [illegible]

OSTASHKOV DISTRICT—ACCOUNTING

Advantages are obvious. V. Sergeeva. [illegible] Fin SSSR 38 no 5 [illegible] My '64

OSTEITIS DEFORMANS

So-called transformation zones (infractions) [illegible] logical fractures in Paget's disease. [illegible] Vest. rent. i rad. 38 no. 6:[illegible]

OSTEOCHONDROSIS

Amyotrophic lateral sclerosis syndrome in [illegible] osteochondrosis. V. V. Mikheev and others. [illegible] nevr. i psikh. 63 no. 6:833-840 '63.

X-ray diagnosis of cervical migraine. A. [illegible] Vest. rent. i rad. 38 no. [illegible]

OSTEOSCLEROSIS

A case of melorheostosis of the bones of the [illegible] Bartel'. Vest. rent. i rad. 38 no. [illegible]

OTEPAA REGION (ESTONIA)—DESCRIPTION AND [illegible]

Magi, Heino. Otepaa. Tallinn, Eesti Riiklik Kir[illegible] 1963. 101 p. illus. [In Estonian]

OTORHINOLARYNGOLOGY

Otoneurological symptoms in arterial hypertension. I. IA. Koltnovskaia, E. S. Prokhorova. Zhur. [illegible] psikh. 63 no. 6:850-853 '63

OTORHINOLARYNGOLOGY—BIBLIOGRAPHY see Bibliography—Otorhinolaryngology

OVARIES—CANCER

Two cases of ovarian disgerminoma. M. G. [illegible]berg. Sov. med. 27 no. 10:115-117 O '64.

OVARIES—DISEASES

Apoplexy of the ovary in a clinic for emergency [illegible] N. I. Usponskaia. Khirurgiia [illegible]

A case of bilateral dilatation of the renal pelves and ureters in endometriosis of the ovaries. M. V. [illegible]vitskii. Akush. i gin. no. 1:135-136 '63.

A case of primary actinomycosis of the right ovary and fallopian tube. R. A. Girdaladze, T. A. Tafaradze. Akush. i gin. no. 1:115-116 '63.

Stein-Leventhal syndrome. N. T. Starkova, [illegible]va. Akush. i gin. no. 1.48-52 '63.

OVARIES—HYDATIDS

Spontaneous rupture of an echinococcal ovarian cyst. I. IU. Iondov. Akush. i gin. no. 1:131 '63.

OVARIES—SURGERY

Apoplexy of the ovary in a clinic for emergency surgery. N. I. Usponskaia. Khirurgiia 39 no 12 [illegible]

OVARIES—TUMORS

Labor after simultaneous removal of a submucous fibromatous node and ovarian fibroma. V. P. [illegible] Akush. i gin. no. 1:134-135 '63.

OVENS

Measurement of the heat flow in the working chambers of bakery ovens. I. M. Verzhbitskaia. Khleb. i kond. [illegible] 7 no. 12:6-8 D '63.

OVERTIME

Letters from the editor. Sov. profsoiuzy 20 no 13:45 Jl '64.

Without asking the approval of the plant committee... (based on letters to the editor). Sov. profsoiuzy 20 no. 12:34 Je '64.

OVUM

Development of the vitelline membrane of the frog (Rana temporaria) ovum N.S Gabaeva Arkh anat., gist i embr 44 no. 1 55-63 Ap '63

Localization of nucleoproteins in the structures of the ovum structures of the frog (Rana temporaria) V N Shalumovich Arkh anat, gist i embr 44 no 4 48-54 Ap '63

Morphogenetic processes during cleavage of the rat ovum in relation to cytoplasmic differentiation of the oocyte during the period of oogenesis L A Pozhidaev Arkh. anat, gist i embr 44 no 1 26-35 Ap '63

OWLS see subdivision under Voronezh Province

OXADIAZOLINONE

Preparation of arylazochloroacetic acids and 4-phenyl-substituted Δ^2-1, 3, 4-1, 3, 4-oxadiazolin-5-one. M. O. Lozinskii, P. S. Pel'kis, S. N. Sanova. Ukr. khim. zhur. 30 no. 1:68-72 '64.

OXIDATION

By-products of the liquid-phase oxidation of cyclododecane with molecular oxygen in the presence of boric acid V V. Kamzolkin and others Neftekhimiia 4 no 1 96-99 Ja-F '64

Catalytic oxidation of ascorbic acid in the presence of active carbon. Z. G. Skrypnyk. Dop. AN URSR no. 5: 609-613 '64.

Content and distribution of organic matter in the Black Sea, based on oxidizability. M. A. Dobrzhanskaia. Trudy SBS 16:472-487 '63.

Design of contact units with adiabatic beds of a catalyst for the oxidation of sulfur dioxide. V. S. Beskov, IA. M. Ituzhdan, M. G. Slin'ko. Khim. prom. no. 10.721-724 O '63.

Effect of the surface on the mechanism of chain propagation during oxidation of n-butane in the gas phase. IU.D.Norikov, A.V.Bobolev, E.A.Blumberg. Izv.AN SSSR.Ser.khim. no.5:826-831 My '64

Initiation of chains in the liquid-phase oxidation of methyl ethyl ketone and ethyl alcohol G E. Zaikov, Z. K. Maizus, N. M. Emanuel' Neftekhimiia 1 no 1 91-95 Ja-F '64.

Kinetics of the oxidation of $U^{(IV)}$ in perchloric acid solutions by potassium chlorate. L. A. Fedorova. Radiokhimiia 6 no. 1 42-40 '64.

Oxidation of iron-vanadium spinel by oxygen. S.A. Amirova and others. Zhur. fiz. khim. 38 no.4:916-920 Ap '64.

Oxidation of lead selenide. IU. V. Rumiantsev, A. P. Nadol'skii, G. M. Zhitenova. Trudy IPI no. 18.139-144 '63.

Oxidation of lead selenide. Report No. 1. G. M. Zhitenova and others. Trudy IPI no. 18:130-138 '63.

Oxidation of tungsten-rhenium alloys. R.F.Voitovich, V.A.Lavrenko. Metalloved. i term. obr. met. no.4: 50-51 Ap '64.

Oxidative degradation of polyamides. Part 1: Thermal and radiation-induced oxidation of polycaprolactam studied by infrared spectroscopy. L. A. Kotorlenko, A. P. Gardenina, V. G. Oleinik. Ukr. khim. zhur. 30 no. 4:370-376 '64.

Production of phthalic anhydride by diphase oxidation of bicyclic hydrocarbons of catalytic gas oil. A.Kh. Sharipov, M.G.Imaev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.8:57-60 '63.

Reactivity of intermediate substances in the oxidation of hydrocarbons. I P. Skibida, Z K. Maizus, N M Emanuel' Neftekhimiia 4 no. 1:82-90 Ja-F '64.

Self-oxidation of triisopropylbenzene. D.K. Tolopko, M. M. Prokopets. Dokl. LPI 5 no. 1/2:31-36 '63.

Some regularities of the liquid phase oxidation of p-xylene. K. A. Chervinskii, A. M. Ivanov, L. A. Nikitina. Khim. prom. no. 10:742-743 O '63.

Synthesis of 5,6-diiodoacenaphthene and its oxidation products. A.P.Karishin, D.M.Kustol. Zhur.ob.khim. 34 no.3:1001-1004 Mr '64.

OXIDATION, PHYSIOLOGICAL

ATP and ADP as possible hydrogen carriers in the respiratory chain. V. P. Skulachev and others. Vop. med. khim. 9 no. 1:99-102 Ja-F '63.

Oxidation processes in the tumorous cells of animals during the multiplication of the virus of tick-borne encephalitis in them. O. T. Lutikova, A. I. Ivanenko. Vop. med. virus. no. 6:101-104 '59.

OXIDATION-REDUCTION REACTION

Dynamics of the coefficient of incomplete oxidation of urine in cutaneous tuberculosis during tubazide therapy [with summary in English] I B. Vainerov, R P. Vol'tman. Vest derm. i ven 37 no 9 16-20 S '63.

Effect of various aeration porosity on the nature of the oxidation-reduction state in turf-Podzolic soils. M. V. Kurlykova. Dokl TSKHA no. 84:99-104 '63.

Electrochemical processes on an alternating-polarizing electrode. Part 2. G.A.Begunov, S.V.Gorbachev. Zhur.fiz.khim. 36 no.9:2062-2066 S '62.

Kinetics of electrochemical oxido-reduction reactions. Part 3. B.I.Tomilov, M.A.Loshkarev. Zhur.fiz. khim. 36 no.9:1902-1908 S '62.

Oxidation-reduction polymerization of acrylonitrile in the presence of organic hydroperoxides. T I. IUrzhenko, V. A. Puchin, V. S. Golokhvastova. Dokl. LPI 5 no. 1/2 48-54 '63.

OXIDES

Space groups and unit cells of organic compounds Report No.5: Derivatives of N-oxides of pyridine and quinoline. Z.S.Kosturkevich. Zhur strukt.khim. 5 no.2:323-324 Mr-Ap '64.

Synthesis of certain derivatives of the ester oxides of Δ^3-cyclohexene carboxylic acid. L A Mukhamedova G V Lepliamin M I Kudriavtseva Neftekhimiia 4 no 1 100-105 Ja-F '64

OXO PROCESS

Effect of diene hydrocarbons on oxo process. D P Krinkin, D. M. Rudkovskii. Khim. prom. no. 10 731-735 O '63.

Obtaining products for oxo synthesis by the thermal cracking of paraffin Z V Gerasicheva, IA A Botnikov, E V Osipova Trudy VNII NP no. 9 22-27 '63

OXYACETYLENE WELDING AND CUTTING

Built-up welding of babbitt using an oxyacetylene torch. M. Z. Gamus, L. A. Briskin. Energomashinostroenie 10 no. 4:36-37 Ap '64.

OXYGEN

Effect of oxygen on the protective action of acid corrosion inhibitors in hydrochloric acid. N. I. Podobaev, F. K. Kurbanov. Teploenergetika 11 no. 4:73-75 Ap '64.

Electrosynthesis of ozone. Part 7. IU.V.Filippov, V.P.Vendillo. Zhur.fiz.khim. 36 no.9:1987-1992 S '62.

Interaction of triphenyltin hydride with oxygen and some halogen-containing organic and inorganic compounds. A.E.Borisov, A.N.Abramova. Izv.AN SSSR.Ser.khim no.5:844-849 My '64.

Methods of manufacturing oxygen by water electrolysis under the conditions of weightlessness. B.G.Grishaenkov and others. Probl.kosm.biol. 3:396-400 '64.

Reaction of atomic oxygen and hydrogen with propylene. V.V. Azatian, A.B.Nalbandian, N.T.Siliakhtarian. Izv. AN Arm.SSR.Khim.nauki 17 no.2:117-121 '64.

Role of a subsurface layer in the interaction of molecular oxygen with a tungsten surface. IA.P.Zingerman, V.A. Ishchuk. Fiz.tver.tela 6 no.4:1172-1181 Ap '64.

OXYGEN—INDUSTRIAL APPLICATIONS

Comparing the technical and economic indices of the open-hearth and converter processes operating with an oxygen blow. I. S. Gokhman, V. S. IAzykov. Sbor. trud. Otd. tekh.-ekon. issl. TSNIICHM no. 1:43-55 '63.

Economic aspects of the production of commercial-grade oxygen. V. A. Rozhkov, A. N. Emel'ianov. Sbor. trud. Otd. tekh.-ekon. issl. TSNIICHM no. 1:63-78 '63.

OXYGEN—PHYSIOLOGICAL EFFECT

Effect of subarachnoidal introduction of oxygen on the content of ascorbic acid in the liquor. S. A. Gromov, R. A. Lisovskaia Trudy Gos. nauch.-issl psikhonevr inst. 31:267-270 '63.

OXYGEN COMPOUNDS

New way to synthesize oxygen compounds from carbon monoxide and hydrogen over iron-copper catalysts. V. P Vainshtein and others Trudy VNII NP no 9 177-186 '63

Oxygen-containing compounds obtained in synthesis over an iron-copper catalyst. M F. Ulanova, I B Rapoport Trudy VNII NP no. 9 213-227 '63.

Separating oxygen-containing compounds from their mixtures with hydrocarbons. V M. Rapoport and others Trudy VNII NP no 9:197-213 '63

OXYGEN IN THE BODY

Changes in the oxygen tension of the cerebral cortex during controlled arterial hypotension V. P. Osipov, M IA. Khodas Eksp. khir. i anest. 8 no. 5:72-74 S-O '63

OXYGEN ISOTOPES

Mechanism of the isotopic exchange of oxygen in the systems gas - solid at high temperatures. V.G.Finikov. Zhur.fiz.khim. 38 no.4.833-836 Ap '64.

Redistribution of oxygen and carbon isotopes between carbon dioxide and the products of its dissociation in a silent electric discharge. IU.P.Andreev, I.A.Semekhin, G.M.Panchenkov. Zhur.fiz.khim. 38 no.4:1032-1035 Ap '64.

OXYGEN WELDING AND CUTTING see Gas welding and cutting

OZERSK DISTRICT—PLANTS, PROTECTION OF

Helping lagging farms. V.A.Chagina. Zashch.rast.ot vred.i bol. 9 no.5:7-8 '64.

OZONE

Electrical theory of ozonizers. Part 10. V. P. Vendillo, IU. V. Filippov. Zhur. fiz. khim. 36 no.9:2058-2061 S '62.

Electrosynthesis of ozone. Part 7. IU. V. Filippov, V. P. Vendillo. Zhur. fiz. khim. 36 no.9:1987-1992 S '62.

PABREZA, JURGIS, 1771-1849

Jurgis Pabreza, the pioneer of Lithuanian botany. J. Dagys. Bot. zhur. 49 no. 2 288-291 F '64.

PACHYCARPINE—PHYSIOLOGICAL EFFECT

Effect of pachycarpine on the external secretory function of the liver. O. IA. Screda. Farmatsev. zhur. 14 no. 3 28-31 '59.

PACIFIC OCEAN—EARTH—SURFACE

Akademiia nauk SSSR. Institut fiziki Zemli. [Crustal structure in the transitional area from the Asiatic continent to the Pacific Ocean] Stroenie zemnoi kory v oblasti perekhoda ot Aziatskogo kontinenta k Tikhomu okeanu. Moskva, Izd-vo "Nauka," 1964. 307 p. diagrs. (insert)

PACIFIC OCEAN—FORAMINIFERA, FOSSIL

Distribution of bottom foraminifers and the stratigraphy of sediments in the northeastern part of the Pacific Ocean. Kh M Saidova. Trudy Inst okean. 68 84-119 '64

PACIFIC OCEAN—GONOSTOMATIDAE

Species of the genus Cyclothone (Pisces, Gonostomidae) in the Pacific Ocean. V. A. Mukhacheva. Trudy Inst okean. 73.93-138 '64

PACIFIC OCEAN—LANTERN FISHES

Slender-tailed lantern fishes (genera Loweina, Tarletonbeania, Gonichthys and Centrobranchus) of the Pacific and Indian Oceans. Their taxonomy and distribution V. E. Bekker Trudy Inst okean 73 11-75 '64.

PACIFIC OCEAN—MARINE SEDIMENTS

Distribution of bottom foraminifers and the stratigraphy of sediments in the northeastern part of the Pacific Ocean. Kh. M. Saidova. Trudy Inst. okean. 68.84-119 '64.

PACIFIC OCEAN—MURRELETS

Biology of the marbled murrelet A P Kuziakin Ornitologiia no. 6 315-320 '63

PACIFIC OCEAN—PALYNOLOGY

Koreneva, E. V [Spores and pollen from the bottom sediments in the western part of the Pacific Ocean] Spory i pyl'tsa iz donnykh otlozhenii zapadnoi chasti Tikhogo okeana. Moskva, Izd-vo "Nauka," 1964. 87 p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no. 109)

PACKAGING

Heat pulsation welding of polymer films. S. V. Genel', D. V Konovalova, F. B Svetov. Plast massy no 1 35-36 '64

PACKED TOWERS

Calculating the conditions for the minimal refluxing of columns used in finite reflux distillation unit fed with unsaturated crude. S. A. Bagaturov. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11:63-70 '62.

Study of the absorption towers of the granulation shops of a superphosphate plant. M. L. Varlamov and others. Nauch. zap. Od. politekh. inst. 40:62-72 '62.

PACKED TOWERS—TESTING

Study of the wettability of packed towers. Report No. 4. A. G. Bol'shakov, A. T. Grinevich. Nauch. zap. Od. politekh. inst. 40.15-19 '62.

Study of the wettability of packed towers. Report No. 5. A. G. Bol'shakov, A. T. Grinevich. Nauch. zap. Od. politekh. inst. 40:20-23 '62.

PACKING (MECHANICAL ENGINEERING)

Calculating the optimal width of a packing box for gland cocks. P. A. Zhunev, IU. M. Kotelevskii, L. I. Eksler. Mash. i neft. obor. no. 4 10-12 '64.

Deep-well flowmeter with an inflated packer. I. A. Fakhreev, G. E. Dukhovnyy. Nefteprom delo no. 5:18-20 '63.

Development of the designs of crankshaft rear end packing of the GAZ engines. P. E. Syrkin, IU. I Dokukin. Avt. prom. 30 no. 3 13-14 Mr '64.

Improved hydraulic systems for the double end packing of centrifugal pumps. E. A. Buchacher and others. Mash. i neft. obor. no. 4.7-10 '64.

Present-day packing materials and packing techniques. I. A. Zubkov. Energomashinostroenie 10 no. 4:46 Ap '64.

PACKING HOUSES—EQUIPMENT AND SUPPLIES

[Technical equipment for meat combines; catalog] Tekhnologicheskoe oborudovanie miasokombinatov, katalog Moskva, TsINTIAM, 1963. 136 p.

PAIN

Changes in inorganic and lipoid phosphorus of the blood under the action of pain and conditioned pain stimulation. Z. S. Cherkesian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5:31-35 My '63.

Fatty tumors of the mediastinum. V. L. Manevich. Khirurgiia 39 no. 8:32-37 Ag '63.

PAINT INDUSTRY—SAFETY MEASURES

Patrosov, V.I. [Safety measures in the manufacture of alkyd lacquers, natural drying oils and siccatives] Tekhnika bezopasnosti v proizvodstve alkidnykh lakov, natural'nykh olif i sikkativov Moskva, Izd-vo "Khimiia," 1964. 21 p. (Pamiatka po tekhnike bezopasnosti)

PAINTING—TECHNIQUE

Hirvoz, Virve, and Eha Ratnik. [Painting techniques] Maalitehnikad Tallinn, Eesti Riiklik Kirjastus, 1963. 71 p illus. (Kultuuriülikool) [In Estonian]

PAINTING, DUTCH

Valuable contribution to Soviet science E. Rotenberg. Iskusstvo 27 no 4 66-69 Ap '64

PAINTING, INDUSTRIAL

Synthetic facade paints and their use M.N Mikhailov, L.N Iatski. Stroi mat. 10 no.2:6-7 F '64.

PAINTINGS—CATALOGS

Moscow. Gosudarstvennaia Tret'iakovskaia galereia. [Catalog of early Russian painting from the 11th to the beginning of the 18th century in two volumes, a classification attempt in art history] Katalog drevnerusskoi zhivopisi XI-nachala XVIII v. v. v dvukh tomakh, opyt istoriko-khudozhestvennoi klassifikatsii. Moskva, Iskusstvo.

Vol. 2. [16th to the end of the 18th century] XVI-nachalo XVIII veka. 1963. 569 p. 179 illus.

PAINTINGS, IRANIAN

The traditional fine arts of Iran and its modern trends. Mirzai Ali. Uch zap. Inst vost AN Azerb SSR 4:64-68 '63

PAKISTAN—ARMY

The story of the Pakistan army. A Ashraf, V. Fedorov. Voen.-ist. zhur. 6 no.5 93-96 My '64.

PAKISTAN—LIBRARIES

Library work in Pakistan. A. Kh. Rafikov. Trudy Bibl. AN SSSR 7,211-219 '63.

PAKISTAN—MOHAMMEDANISM

"Moslem trends in the sociopolitical thought of India and Pakistan, criticism of Moslem nationalism" by L. R Gordon-Polonskaia Reviewed by A. D. Davydov Vop. ist 39 no 6 156-157 Je '64

PALEOBOTANY see subdivision under Kanin Peninsula

PALEOBOTANY, STRATIGRAPHIC see subdivision under Armavir region, Eurasia, Kaliningrad Peninsula; Korenevo region (Moscow Province), Swoszowice, Poland

PALEOCLIMATOLOGY see subdivision under Kanin Peninsula

PALEOGEOGRAPHY
(see also subdivision under Pamirs)

In the Academic Council of the Geographical Faculty. L. I Grishina Vest. Mosk un Ser. 5: Geog 19 no 3: 98 My-Je '64

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Taymyr Peninsula, Transbaikalia; Zyryanka Valley

PALEOPATHOLOGY see subdivision under Tsimlyansk Reservoir region

PALLADIUM CATALYSTS

Catalytic reduction of aromatic nitro compounds. Part 13: Kinetics and mechanism of nitrobenzene reduction on palladium. V.P. Shmonina, R.M Abdrakhmanova. Zhur. ob. khim. 34 no.3:869-875 Mr '64.

PALLADIUM COMPOUNDS

Composition of a palladium compound with 8-hydroxyquinoline. V.I. Shlenskaia, V.G. Efimova. Vest. Mosk. un. Ser. 2, Khim. 19 no. 1:67-71 Ja-F '64.

PALLADIUM-COPPER ALLOYS see Copper-palladium *alloys*

PALLAS, PETER SIMON, 1741-1811

Pallas, on the 150th anniversary of his death. G. P. Dement'ev. Zool zhur. 43 no. 2,262-271 '64.

PALYGORSKITE
(see also subdivision under Moscow region)

Effect of polyacrylonitrile preparation on the structural and mechanical properties of palygorskite suspensions. V. IU. *Tretinnik, N. N Kruglitskii,* Ukr. khim. zhur. 30 no 4 419-421 '64.

PALYNOLOGY see subdivision under Pacific Ocean

PAMIR LANGUAGES—GRAMMAR, COMPARATIVE

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut iazyka i literatury. [Collection of articles on the Pamir languages and history of the Tajik language] Sbornik statei po pamirskim iazykam i istorii tadzhikskogo iazyka. Pod red. A. L. Khromova. Dushanbe, 1963. 84 p.

PAMIRS—CORALS, FOSSIL

Silurian Tabulata of the Pamirs. V. L. Leleshus. Trudy Inst. geol. AN Tadzh. SSR 7:153-190 '63.

PAMIRS—FAULTS (GEOLOGY)

Main strike-slip faults in the Tien Shan and Pamirs. V.S. Burtman, A.V. Peive, S.V. Ruzhentsev. Trudy GIN no.80:152-172 '63

Strike-slip faults in the southeastern Pamirs S.V. Ruzhentsev. Trudy GIN no.80:113-127 '63.

PAMIRS—PALEOGEOGRAPHY

Paleogeographical paradox of the Pamirs I P. Gerasimov Izv AN SSSR. Ser geog no 3 4-13 '64.

PAMIRS—REDSTART

Materials on the ecology of the redstart Chaimarornis leucocephalus Vig of the Pamirs I. A Abdusaliamov Ornitologiia no 6 264-267 '63.

PANCREAS—DISEASES

Acute pancreatitis as a complication of toxicosis in the second half of pregnancy. N. K Berashevich, A. A. Siviakov, IU. N. Andriushin. Akush i gin. no. 1,121-123 '63.

Some problems of pancreatic lesions in rheumatic fever. T G. Khalafov, V. M. Abdullaev. Izv AN Azerb. SSR Ser. biol. i med. nauk no. 1:67-74 '64.

PANCREAS—NECROSIS

Complications following surgery for pancreonecrosis S P. Mokrovskaia. Khirurgiia 38 no. 12,114-115 D '62

PANCREAS—SECRETIONS

External secretory function of the pancreas in chronic colitis. K. N. Kazimova. Trudy Inst. kraev. eksper. med. no. 5 108-113 '63.

Functional changes in the external pancreatic secretion in relation to an extensive resection of the ileum. G IA. Odishvili, D N Buachidze, L. Sh. Tevdoradze Soob AN Gruz SSR 30 no 3 343-346 Mr '63

PANCREAS—SURGERY

Blood sugar levels in dogs following subtotal resection of the pancreas and pancreatic duodenal resection [with summary in English] V I. Serga Eksp. khir i anest. 8 no 5 37-40 S-O '63

Complications following surgery for pancreonecrosis S P Mokrovskaia Khirurgiia 38 no 12 114-115 D '62

PANCREAS—TUMORS

Unusual case of neurinoma of the pancreas. S. T. Segatov. Khirurgiia 39 no. 8:122-123 Ag '63

PANCREATIN

Local application of pancreatin to deep burns. A. F. Elizarov Khirurgiia 38 no.12 70-72 D '62

PANELS (BUILDING)
(see also subdivision under Dnieper Valley)

Crushed colored glass finish of keramzit-concrete wall panels. IU. I. Dolinskii. Stroi. mat. 10 no. 3:18-20 Mr '64.

Gypsum concrete panels for vaulted roofs. V. A. Osipov. Stroi. mat. 10 no. 3:27-28 Mr '64.

Temperature deformations of heated panels for coverings of industrial buildings. I. L. Zhodzishskii, V. S. Verkhovskii. Prom. stroi. 41 no. 1:33-37 Ja '64.

Using expanded vermiculite in the manufacture of large panels. N. A. Popov, F. S. Podoliak. Stroi. mat. 10 no. 2:18-19 F '64.

Wall panels of keramzit foam concrete. E. M. Gulemin and others. Stroi. mat. 10 no. 2:25-26 F '64.

PANJ RIVER

Approximate estimate of the runoff of the Panj River. V P Svetitskii. Izv AN Uz SSR. Ser. tekh nauk 7 no. 6 92-93 '63

PAPAVERINE

Compatibility of papaverine hydrochloride with alkaline substances in liquid forms of drugs. *O. O. Riabukhina.* Farmatsev. zhur. 17 no. 6:46-54 '62.

PAPER

Reizins, Rudolfs. [A sheet of paper talks about itself] Papira lapa stasta par sevi. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 95 p. [In Latvian]

PAPER CHROMATOGRAPHY

Chromatography and stability of phenothiazine derivatives used as neuroplegic drugs. I. IA. Blazhek. Farmatsev. zhur. 17 no. 6:9-13 '62.

Separation of phenyl derivatives of arsenic and germanium by means of partition paper chromatography. V. D. Nefedov and others. Radiokhimiia 6 no. 1:112-113 '64.

Using the paper chromatographic method in studying the transformation of free amino acids in soils. *T. Mazur,* P. M. Smirnov. Dokl. TSKHA *no.* 84:246-252 '63

PAPER ELECTROPHORESIS

Study of the brain suspension of mice infected with the virus of tick-borne encephalitis by the method of zonal electrophoresis on paper. V. K. Izotov. Vop. med. *virus.* no. 6 104-107 '59.

Study of the qualitative composition of protein fractions in the brain tissue of mice infected with the virus of tick-borne encephalitis by the method of continuous electrophoresis on paper. V. K. Izotov. Vop. med. [illegible] no. 6 107-110 '59

PAPER INDUSTRY

Automatic sorting of paper G. E. Finkel'shtein Bum. i der. prom. no. 1:47-48 Ja-Mr '64.

New system of drying paper sheets A. IU. Saf'ian, [illegible] Kulakova. Bum. i der. prom. no. 1 53 Ja-Mr '64.

New type of paper from fibers covered with polyester R. K. Banu, V. K. Podgorotskaia Bum. i der. prom. no 1 49-50 Ja-Mr '64.

PAPER INDUSTRY—CONGRESSES

Seminar on the manufacture of coated paper. I. IA. Kharitonova. Bum. i der. prom. no. 1:43-44 Ja-Mr '64.

PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

Methodology of the technical and economic justification for the introduction of the new papermaking equipment. V. V. Savenkova. Bumagodel. mash. no. 11:10-17 '63.

PAPER INDUSTRY—PRODUCTION STANDARDS see subdivision under Leningrad

PAPERMAKING MACHINERY

Automatic control of the air pressure and stock level in enclosed type headboxes. V. A. Lazareva. Bumagodel. mash. no. 11:76-78 '63.

Methodology of the technical and economic justification of the modernization of papermaking equipment. [illegible] Losev. Bumagodel. mash. no. 11:18-24 '63.

New BD-11 make drum barker with one enclosed [illegible] E. I. Fridman. Bumagodel. mash. no. 11:168-174 '63.

New developments in the design of slitters. G. N. Katsnel'son. Bumagodel. mash. no. 11 25-31 '63.

New developments in the manufacturing technology of dryer drums and granite shafts. A. M. Levinson, S. IU. Tyminskaia. Bumagodel. mash. no. 11:[illegible] '63.

New protective coatings and cements for parts of papermaking machinery. A. M. Levinson, A. V. [illegible]. Bumagodel. mash. no. 11:250-262 '63.

Newest types of chippers. N. M. Vail'shelikov, [illegible] Dobrovol'skii, N. I. Chikov. Bumagodel. mash. no. 11 124-146 '63.

Paperboard-making K-07 machinery for the manufacture of the outside box cardboard. A. P. Alekseev, [illegible] Tsirel'son. Bumagodel. mash. no. 11:149-167 '63.

Prospects of the development and the geographical distribution of papermaking machinery plants. [illegible] Etkin. Bumagodel. mash. no. 11:6-9 '63.

Tests in the perforation of stainless plates by means of thin diamond disks. A. M. Levinson, S. IU. Tyminskaia. Bumagodel. mash. no. 11:218-227 '63.

Ways to increase the rigidity of the tubular shafts of papermaking machinery. V. M. Vanchakov, N. S. Dovgaliuk, V. K. Kogan. Bumagodel. mash. no. 11: 71-75 '63.

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur.: Tekh. i obor. tsel.-bum. i *poligr. proizv. no. 6 Je* '64.

PAPERMAKING MACHINERY—DESIGN AND CONSTRUCTION

Theoretical studies related to the design and construction *of supercalenders.* G. N. Katsnel'son. Bumagodel. mash. no. 11:44-70 '63.

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Automatically controlled electric driving of the R1-01 cutting machine. V. P. Medvedev, K. A. Kharazin. Bumagodel. mash. no. 11:79-85 '63.

Driving systems for the dryer group and increase of their general efficiency. N. A. Mozhaev. Bumagodel. mash. no. 11:97-103 '63.

Electric driving and automation of the enclosed type *U-03* knotters. V. P. Medvedev, K. A. Kharazin. Bumagodel. mash. no. 11:86-90 '63.

Studying the speed regulation system for sections with a dynamoelectric amplifier-generator of the section electric motor. A. D. Shustov. Bumagodel. mash. no. 11:176-215 '63.

Testing of the automatically controlled electric driving of the *B-12* make papermaking machine. B. M. Shraibman. Bumagodel. mash. *no. 11:104-123 '63.*

PAPERMAKING MACHINERY—PRICES

Eliminate temporary price deficiencies. P. Volovich, E. Etkin. Plan. khoz. 41 no. 6:60-62 Je '64

PAPERMAKING MACHINERY—TESTING

General analysis of the paper sheet tension on reeling machines. G. N. Katsnel'son. Bumagodel. mash. no. 11:32-40 '63.

Test in the "Kommunar" Paper Factory of the bobbin slitter manufactured by Yarenberg (German Federal Republic). G. N. Katsnel'son. Bumagodel. mash. no. 11:41-43 '63.

PAPERMAKING MACHINERY—TRANSMISSION DEVICES

Improved design of the V-belt transmission. N. A. Mozhaev. Bumagodel. mash. no. 11.91-96 '63.

PARACHUTING

Babkin, Viktor, and Anrei Biriukov. [Jump from the stratosphere] Pryzhok iz stratosfery. Moskva, Izd-vo DOSAAF, 1963. 57 p.

Free fall with a motion-picture camera. F. Netmark. Kryl. rod. 15 no. 6:11 Je '64.

Parachute trainer. K. Ovsiannikov. Tekh. i vooruzh no. 1:44-46 Ja '64.

Sharp struggle is in prospect. Kryl. rod. 15 no. 6:8-9 Je '64.

Voluntary inspector. Kryl. rod. 15 no. 6:14-15 Je '64.

PARACHUTISTS

On aerial tracks. V. Suvorov. Kryl. rod. 15 no. 6.4-5 Je '64.

PARAFFINS

Application of the methods of comparative calculation for estimating the properties of substances in corresponding states. Part 1. M. Kh. Karapet'iants, G. V. Zhukov. Zhur fiz. khim. 38 no. 4:1015-1018 Ap '64.

Cleaning compounds of alkylaryl sulfonate-type from liquid paraffins of the fraction of 180 to 325° of Dolina oil. E. N. Rybko, O. K. Serdiukova. Dokl. ' PI no. 1/2 84-87 '63.

Gas-liquid chromatography of certain silica hydrocarbons and paraffins. N S Nametkin and others. Neftekhimiia 4 no. 1 137-141 Ja-F '64.

Kinetics of the dehydrocyclization of paraffin hydrocarbons on oxide catalysts. G M. Panchenkov K A. Venkatachalam, IU. M Zhorov. Neftekhimiia 4 no 1 30-36 Ja-F '64

Mazapa, B. A. [Controlling paraffin deposition in petroleum production abroad] Bor'ba s parafinovymi otlozheniiami pri dobyche nefti za rubezhom. Moskva, Gostoptekhizdat, 1961. 89 p.

Obtaining products for oxo synthesis by the thermal cracking of paraffin. Z V Gerasicheva, IA A. Botnikov, F. V. Osipova. Trudy VNII NP no 9 22-27 '63.

Significance of intensifying mixing during the final washing of fairly oil-free paraffin in the dewaxing of transformer oils. A. A. Chesnokov, A. M. Shevtsov. Nefteper. i neftekhim. no 1.15-16 '64.

Synthesizing sodium alkylbenzene sulfonate (NP-3 sulfonol) on a base of olefins obtained in the thermal cracking of paraffin. A. I. Doladugin and others. Trudy VNII NP no 9 95-109 '63.

Thermal cracking of paraffin to obtain products for the production of detergents. Z V. Gerasicheva, IA. A Botnikov. Trudy VNII NP no. 9 15-21 '63

PARAFFINS—THERMAL PROPERTIES

Study of the isochoric heat capacity of some alkanes. Kh. I. Amirkhanov and others. Teploenergetika 11 no 3.61-66 Mr '64.

Study of the isochoric heat capacity of some alkanes in the two-phase region. Kh. I. Amirkhanov and others. Teploenergetika 11 no. 4:57-60 Ap '64.

PARAGANGLIA see Chromaffin system

PARAGENESIS

Analysis of scapolite paragenesis. A. A. Marakushev. Geol. rud. mestorozh. 6 no. 2:52-60 Mr-Ap '64.

PARALYSIS

Specific form of an amyotrophic shoulder girdle lesion (Parsonage-Turner syndrome). A. A. Skoromets. Zhur. nevr. i psikh. 63 no. 6:841-844 '63.

Two cases of pregnancy and labor complicated by an acute onset of hemiplegia. A. V. Sosniakova. Akush. i gin. no. 1.123-124 '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Application of the electron paramagnetic resonance method for studying free radicals formed in the thermal decomposition of α,α'-azodiisobutyrodinitrile. A. A. Vichutinskii, A. I. Prokof'ev, V. A. Shabalkin. Zhur. fiz. khim. 38 no. 4:983-985 Ap '64.

Dependence of the width of electron paramagnetic resonance lines of the Mn^{2+} ion in aqueous solution on its concentration. A. M. Vasil'ev. Zhur. fiz. khim. 38 no. 4:845-849 Ap '64.

Determination of the parameters of the spin Hamiltonian for copper salts with $S=1$ from electron paramagnetic resonance spectra of polycrystals. IU. V. IAblokov. Zhur. strukt. khim. 5 no. 2:222-229 Mr-Ap '64.

Effect of the anisotropy of the g-factor of molecules on the width of electron paramagnetic resonance lines in solutions. A. A. Kokin. Zhur. strukt. khim. 5 no. 2:217-221 Mr-Ap '64.

Effect of the concentration of impurity atoms on the electron paramagnetic resonance spectrum of donors in silicon. B. G. Zhurkin, N. A. Penin. Fiz. tver. tela 6 no. 4:1141-1144 Ap '64.

Electron paramagnetic resonance of Mn^{2+} in apatite. V. M. Vinokurov, M. M. Zaripov, V. G. Stepanov. Fiz. tver. tela 6 no. 4:1125-1129 Ap '64.

Electron paramagnetic resonance spectra of free radicals arising in the photolysis of frozen aqueous alkaline solutions of hydrogen peroxide. B. G. Ershov, A K Pikaev. Izv. AN SSSR. Ser. khim. no 5:922-923 My '64.

Electron paramagnetic resonance spectra of γ-irradiated germanium-activated quartz crystals. S V Starodubtsev, Sh A Vakhidov. Izv AN Uz SSR Ser fiz-mat nauk 7 no 6 46-50 '63

Electron paramagnetic resonance spectra of optically active chelate compounds of copper with oxyaldimines and oxyketimines. A. P. Terent'ev and others. Dokl AN SSSR 156 no 5.1174-1177 Je '64

Electron paramagnetic resonance spectra of radicals arising in X-raying of polyamides. A I. Brodskii and others. Dokl. AN SSSR 156 no. 5 1147-1149 Je '64.

Generation of a high temperature in the resonator of a paramagnetic resonance spectrometer. A M Chaikin. Prib i tekh eksp 8 no 6 178-179 N-D '63

Low-temperature measuring resonator operating at a wavelength of 3 2 cm. A L Bil'diukevich. Prib i tekh eksp 8 no 6 186-187 N-D '63

Paramagnetic properties of polycyclopentadiene. N. M. Lapshin, N. I. Ovcharenko, M. L. Khidekel'. Zhur. strukt. khim. 5 no 2:305-307 Mr-Ap '64.

Paramagnetic resonance of Mn^{2+} ions in diopside crystals. V. M. Vinokurov, M. M. Zaripov, V. G. Stepanov. Fiz. tver. tela 6 no. 4:1130-1137 Ap '64.

Spectroscope for studying the spectrum and spin-lattice relaxation of paramagnetic substances at a wavelength of 8mm. N A Amenitskii, L S Kornienko, A I Smirnov. Prib i tekh eksp 8 no 6 119-121 N-D '63

Study of the kinetics of free radical conversions in γ-irradiated polypropylene by means of ESR spectra. V. K. Milinchuk, S. IA Pshezhetskii. Vysokom. soed 6 no. 4.666-671 Ap '64.

Theory of spin-lattice relaxation of polymer radicals in a solid. I. V. Aleksandrov, A. V. Kessenikh. Fiz. tver. tela 6 no. 4.1006-1012 Ap '64.

PARAMAGNETISM

Magnetic relaxation of Li^7 nuclei in aqueous solutions of paramagnetic salts. R. K. Mazitov. Zhur. strukt. khim. 5 no. 2:302-303 Mr-Ap '64.

PARASITES—BIRDS

Comparative ecology of bird fleas of the genus Ceratophyllus curt., 1832. N. F Darskaia. Mat. k pozn fauny i flory SSSR. Otd. zool. no 39:31-180 '64.

Seasonal change in the age composition of the populations of bird mites Dermanyssus hirundinis Herm (Dermanyssidae, Gamasoidea). O M Butenko. Mat. k pozn. fauny i flory SSSR. Otd zool. no. 39:294-299 '64.

PARASITES—BLOOD see Blood—Parasites

PARASITES—BUNTING (BIRDS)

Interrelations between the yellowhammer and the tick Ixodes persulcatus [with summary in English]. E. I. Korenberg, Z. M. Zhmaeva. Zool. zhur. 43 no. 2 282-284 '64.

PARASITES—CABBAGEWORMS

Effect of microsporidiosis on the diapause and survival of the ichneumon fly Spanteles glomeratus L (Hymenoptera, Braconidae) and the cabbage butterfly Pieris brassicae L. (Lepidoptera, Pieridae). I. V. Issi, V. A. Maslennikova. Ent. oboz. 43 no. 1:112-117 '64.

PARASITES—CARNIVORA see subdivision under Uzbekistan

PARASITES—CATS see subdivision under Azerbaijan; Uzbekistan

PARASITES—CATTLE see subdivision under Uzbekistan; Velikaya Mikhaylovka District

PARASITES—CROWS see subdivision under Moldavia

PARASITES—DUCKS

(see also subdivision under Kara-Kalpak A. S. S. R.)

Testing calcium arsenate and copper carbonate in hymenolepiases of ducks. F. S. Sarymsakov. Uzb. biol. zhur. 7 no. 6:40-43 '63.

PARASITES—FISHES

(see also subdivision under Black Sea)

Electron microscopic study of calcareous corpuscules of the plerocercoid and semimature stage of Schistocephalus pungitii. V. A. Timofeev. Dokl. AN SSSR 156 no. 5:1244-1247 Je '64.

PARASITES—FROGS

Independence of the ontogeny and annual sexual cycle of Polystoma from the hormonal influence of its host, the grass frog (Rana temporaria L.) [with summary in English]. P. V. Gorshkov. Zool. zhur. 43 no. 2:272-274 '64.

PARASITES—FUR-BEARING ANIMALS see subdivision under Yakutia

PARASITES—GEESE see subdivision under Odessa region

PARASITES—GYPSY MOTH

Ontogenesis and biology of Apanteles solitarius Ratz., a parasite of the gypsy moth (Porthetria dispar L.). Chzhu Khai-tsin [Chu Hai-ch'ing]. Vest. Mosk. un. Ser 6 Biol., pochv 17 no 6 26-32 N-D '62

PARASITES—HERODIONES see subdivision under Azerbaijan

PARASITES—ICHNEUMON FLIES

Effect of microsporidiosis on the diapause and survival of the ichneumon fly Spanteles glomeratus L. (Hymenoptera, Braconidae) and the cabbage butterfly Pieris brassicae L (Lepidoptera, Pieridae). I V. Issi, V A Maslennikova. Ent oboz. 43 no 1 112-117 '64

PARASITES—LIZARDS see subdivision under Turkmenistan

PARASITES—MAMMALS

Localizing ixodid ticks on the body of small mammals. I. S Vasil'eva. Mat k pozn. fauny i flory SSSR. Otd zool. no. 39:284-293 '64.

PARASITES—MICE

Feeding habits of gamasid mites Eulaelaps stabularis (C. L. Koch) and Haemolaelaps glasgowi (Ew.) inhabiting the burrows of murine rodents. S. I. Zamskii. Mat. k pozn. fauny i flory SSSR. Otd zool no. 39:259-283 '64

PARASITES—PERCH see subdivision under Black Sea

PARASITES—RODENTS see subdivision under Moldavia; Parkent Preserve; Ubsu Nur Depression

PARASITES—SHEEP

(see also subdivision under Uzbekistan)

Methods of taking samples of feces and helminthoscopy for the purpose of the diagnosis of intestinal cestodiases in sheep. P. P. Vibe. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4 109-111 Ap '64.

PARASITES—SWINE

Rare case of ascariasis in the swine liver. Zh. Shapolatov. Uzb. biol. zhur. 7 no. 6:87 '63.

PARASITES—VERTEBRATES

Skriabin, K. I., and A. A. Sobolev. [Spiruridae of animals and man and the diseases caused by them] Spiruraty zhivotnykh i cheloveka i vyzyvaemye imi zabolevaniia. Moskva, Izd-vo "Nauka."

Pt. 2. [Physalopteroidea] Fizalopteroidei. 1964. 333 p. (Akademiia nauk SSSR. Gel'mintologicheskaia laboratoriia. Osnovy nematodologii, vol. 12)

PARASITES—WATER BIRDS

Ecology of the mite Rhinonyssus rhinolethrum (Trouessart, 1895) (Rhinonyssidae, Gamasoidea), a parasite of water birds [with summary in English]. O. M. Butenko. Zool. zhur. 43 no. 2.274-276 '64.

PARASITOLOGICAL RESEARCH see subdivision under Ural Mountain region

PARASYMPATHETIC NERVOUS SYSTEM see Nervous system, Parasympathetic

PARATYPHOID FEVER

Water- and food-borne outbreaks of typhoid and paratyphoid fevers, review of foreign literature for the past 15 years. IU. P. Solodovnikov. Zhur. mikrobiol., epid. i immun. 40 no. 10.142-146 O '63.

PARATYPHOID FEVER—MICROBIOLOGY

Consumption of carbohydrates and nitrogen compounds by paratyphoid B bacteria. N. I. Kovaleva, A. P. Kuz'mina. Zhur. mikrobiol., epid. i immun. 40 no. 6.95-99 Je '63.

PARATYPHOID FEVER—PREVENTIVE INOCULATION

Possibility of simultaneous vaccination against tick-borne encephalitis and typhoid-paratyphoid infection. O. E. Rzhakhova. Vop. med. virus. no. 6:95-101 '59.

Using heterogeneous paratyphoid strains in vaccine prophylaxis of paratyphoid in calves. B. A. Matvienko. Trudy AZVI 12:326-329 '61.

PARENT AND CHILD

Confession of a father. N. Marsakova. Sem'ia i shkola 19 no. 3:4-7 Mr '64.

Editor's mail. Sem'ia i shkola 19 no 3:18-21 Mr '64.

Education is a national task. Doshk. vosp. 37 no. 5:4 My '64.

Family relay race. E. Ivanova. Doshk. vosp. 37 no. 5:15-16 My '64.

Father. L. Rubashkina. Doshk. vosp. 37 no. 5:4-7 My '64.

Friends. N. Poliakova. Sem'ia i shkola 19 no. 3:8 Mr '64.

L. Voitenko's answer to the editor. Doshk. vosp. 37 no. 5:12-13 My '64.

Social duty. A. Lukashin. Doshk. vosp. 37 no. 5:13-14 My '64.

With the feeling of responsibility. L. Ostrovskaia. Doshk. vosp. 37 no. 5:7-8 My '64.

A word for Fania Vinogradova. Z. Sitnikova and others. Doshk. vosp. 37 no. 5:8-12 My '64.

PARKENT PRESERVE—PARASITES—RODENTS

[illegible] of rodents in the Parkent [illegible] A [illegible]. Uzb.biol.zhur 7 no.6 [illegible]

PARKENT PRESERVE—WORMS, INTESTINAL AND PARASITIC

[illegible] of rodents in the Parkent [illegible]. Uzb.biol.zhur 7 no.6; [illegible]

PARKHOMOVKA (KIEV PROVINCE)—ART GALLERIES AND MUSEUMS

[illegible] Iskusstvo 27 no 4 34-35 [illegible]

PAROLE

[The public in the fight against legal offenses] Obshchestvennost' v bor'be s pravonarusheniiami. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963 166 p.

PAROTID GLANDS—SURGERY

[illegible] of the parotid gland [with summary in English] A.I Paches Med. rad 8 no.10 [illegible]

PAROTID GLANDS—TUMORS

[illegible] of tumors of the parotid gland [with summary in English] A.I Paches Med. rad. 8 no.10 [illegible] O '63

PARQUET FLOORS

[illegible] for gluing parquet boards with heating [illegible]-frequency electric field. L.A Ponomareva, [illegible] 13 no.6 9-10 Je '64.

PARQUET FLOORS—STANDARDS

[illegible] of parquet in accordance with the All-Union [illegible] Standard 862-6[illegible] with the PARK-1 and PARK-2 [illegible]. A M. Petrashevich. Der. prom. 13 no.6 [illegible] '64.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

[illegible] of the optimum frequency of an [illegible] accelerator. V. I. Vishniakov, A.I. Zykov. [illegible] fiz. 34 no.2 379-381 F '64.

[illegible] spectrum in a linear accelerator. A.B. [illegible]. Zhur. tekh. fiz. 34 no.2 311-312 F '64.

PARTICLE BOARD see subdivision under Novovyatsk (Kirov Province)

PARTICLE SIZE DETERMINATION

[illegible] and substantiation of the method for determining [illegible] of dispersion of powdered sugar. L. D. [illegible]. Pishch. prom. 7 no.12 9-13 D '63.

[illegible] hydrodynamic characteristics of solid particles A M Gasparian, N S Ikarian Dokl. An Arm SSR 38 [illegible] '64.

PARTICLES (NUCLEAR PHYSICS)

On the possible existence of heavy charged leptons. [illegible] M. Lipmanov. Zhur. eksp i teor fiz. 46 no.5; [illegible] My '64.

[illegible] beams of particles of like charge V A [illegible] PMTF no 3 24-31 My-Je '64

Physics of elementary particles; a session of the Department of Nuclear Physics. G.P Zhdanov. Vest. AN SSSR 34 no.5.137-139 My '64.

Quadruplet variant of particle classification. R.V. Smirnov. Zhur. eksp. i teor. fiz. 46 no.5:1637-1640 My '64.

PARTICLES (NUCLEAR PHYSICS)—CONGRESSES

Conference on the Theory of Elementary Particles. D. Ivanenko, IU. Lomsadze. Usp. fiz. nauk 83 no.1: 1[illegible]-136 My '64.

PARTRIDGES

(see also subdivision under Kabardino-Balkar A. S. S. R.)

Acclimatization of bearded partridges and reacclimatization of white partridges in the central zone. N A. Sergeeva, [illegible] Samina Ornitologiia no 6 86-95 '63.

PASTEURELLA

Biological and chemical properties of the GKI plague allergen. Report No1 M. D. Priadkina, V. IU Gavrilenkova, A. V. Lobanova. Zhur. mikrobiol., epid. i immun. 40 no.5 72-77 My '63.

PASTURES AND MEADOWS

(see also subdivision under Kabardino-Balkar A. S. S. R.; Latvia, Nakhichevan A. S. S. R., Ordzhonikidze District; Polesye, Turkmenistan; Zol'skiy District)

Conference on Large-scale Mapping of Pastures, held in Leningrad. A A. IUnatov. Vest. AN SSSR 34 no.5. 148-149 My '64.

PASTURES AND MEADOWS—FERTILIZERS AND MANURES

(see also subdivision under Yenisey Valley)

Change in the proportion of some economically important groups of grasses in mountain meadows in response to fertilization. I.G. Butov. Bot. zhur. 49 no.2 263-265 F '64.

PATAMDAR (AZERBAIJAN)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Propagandist from Patamdar village S. Mustafaev. Agitator no 9 35-36 My '64

PATENT LAWS AND LEGISLATION

(see also subdivision under Estonia, Germany, East; Germany, West)

Fleishits, E. A., ed. [Patent laws of foreign countries] Patentnoe zakonodatel'stvo zarubezhnykh stran. Moskva, Izd-vo "Progress," 1964. 680 p.

Survey of labor legislation and judicial practice. Sots. trud 9 no.6:146-148 Je '64.

PATENTS

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak 41 no.11 Je '64

PATHOGENIC BACTERIA see Bacteria, Pathogenic

PATHOGENIC FUNGI see Fungi, Pathogenic

PATHOLOGY

Abstracts Sov. med. 27 no 10:135-138 O '63.

Elements of a general theory of the control in the body [with summary in English] S. N Braines, V B Svechinskii Eksp khir i anest 8 no.5.3-8 S '63

Levin, G. L. [Essays on gastric pathology] Ocherki zheludochnoi patologii. Moskva, Meditsina, 1964. 173 p (Biblioteka prakticheskogo vracha)
(DNLM)

PATHOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. no 12 Je '64.

PATRIOTISM

Military history is a powerful means of inculcating patriotism. Voen.-ist zhur. 5 no 5:3-11 My '63

PAVEMENTS, CONCRETE

Dubrovin, E. N., and E. IA. Turchikhin. [Pavements of prestressed reinforced concrete] Dorozhnye pokrytiia iz predvaritel'no napriazhennogo zhelezobetona. Moskva, Transport, 1964. 97 p. (Obmen tekhnicheskim opytom dorozhnykh khoziaistv)

PAVLOVSK HYDROELECTRIC POWER STATION

Overall automation of the Pavlovsk Hydroelectric Power Station N. M. Burov, V D. Urin Elek sta 35 no 3: 37-40 Mr '64

PAVLOVSKII, EVGENII NIKANOROVICH, 1884-

Academician E. N. Pavlovskii is 80 years old. Izv. AN SSSR Ser. geog no. 3 3 '64.

Academician Evgenii Nikanorovich Pavlovskii, on his 80th birthday. Ent oboz 43 no 1:5-8 '64

Honoring the Hero of Socialist Labor Academician E. N. Pavlovskii. Vest. AN SSSR 34 no.5:156-158 My '64.

PAVLOVSKIY POSAD (MOSCOW PROVINCE)—MILITARY EDUCATION

Always with the people. A. Nesterskii. Voen. znan. 40 no.4 33 Ap '64.

PEA BREEDING

Pea breeding at the Uladovka-Lyulintsy Experimental Breeding Station. M. S. Shul'ga. Agrobiologiia no.2: 179-183 Mr-Ap '64.

Remote hybridization in the vetch tribe of the Leguminosae family. V. S. Fedotov. Biul. Glav. bot. sada no.53:23-27 '64.

PEACE

"For the victory of reason over the forces of war." Collection of N. S. Khrushchev's speeches, talks and answers. Agitator no.11:8 Je '64.

Leibniz's unpublished letter to Abbe Saint-Pierre K A. Maikova. Vop filos 18 no 5 120-127 '64

Opinion forum; statements by V. V. Grishin and others. Vsem. prof. dvizh. no.5:11-19 My '64.

Pechorkin, V. K. [Peace is the principal thing; problems of war and peace in our day] Mir - glavnoe; problemy voiny i mira v sovremenniuiu epokhu. Moskva Izd-vo "Nauka," 1964. 127 p. (Nauchno-populiarnaia seriia)

PEAR see subdivision under Crimea

PEAS—DISEASES AND PESTS

(see also subdivision under Kazakhstan)

Disinfecting pea seeds. K. IA. Kalashnikov. Zashch. rast. ot vred. i bol. 9 no.2:18-20 '64.

Russia (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the protection of peas, kidney beans, and forage beans against main pests and diseases] Rekomendatsii po zashchite gorokha, fasoli i kormovykh bobov ot glavneishikh vreditelei i boleznei. Moskva, [Sel'khozizdat] 1963. 16 p.
(DNAL)

Treating pea seeds before sowing. G. E. Sobol'. Zashch. rast. ot vred. i bol. 9 no.2;27-28 '64.

PEAS—HARVESTING

Parameters of a pea windrow in the process of its drying [with summaries in English, German, and French]. A A. Mironov. Vest. sel'khoz. nauki 8 no.9;94-98 S '63.

PEAS—VARIETIES see subdivision under Alma-Ata Province

PEASANTRY

(see also subdivision under Bulgaria, Moldavia)

"Soviet peasantry during the years of the [illegible] War" by IU. V. Arutiunian. Reviewed by [illegible] skaia. Vop. ist. 39 no 6 130 131 Je '64

PEASANTRY—BIBLIOGRAPHY see Bibliography Peasantry

PEAT BOGS

Development of the study of swamps in the [illegible] related to the works of G.I Tanfil'ev. M. I [illegible] A.S Olenin. Trudy Obl. [illegible] no.9:47-53 '62.

PEAT INDUSTRY

Opeiko, F. A., ed. [Mechanization and automation of the peat industry] Mekhanizatsiia i avtomatizatsiia torfianogo proizvodstva. Minsk, Izd-vo "[illegible] shkola," 1963. 148 p.

PEAT MACHINERY

(see also subdivision under Kostroma District)

The PB-35 loader-bulldozer. V. A[illegible] [illegible] khoz 24 no 5 45 46 My '64.

PECHENGA DISTRICT—PROSPECTING—GEOPHYSICAL METHODS

Deep-seated formations in the Pechenga [illegible] according to geophysical data. I. IA. [illegible], L. B. Shustova, G. A. P[illegible] [illegible] 46 [illegible] 14-16 '63.

PECHENGA DISTRICT—SEISMIC PROSPECTING

Refracted seismic waves in the study of the [illegible] section of the Pechenga district. I. S. [illegible] 46 no.2:17-21 '63.

PECHORA BASIN—CLAY—ANALYSIS

Composition and cryogenic constitution of the [illegible] clays in the Vorkuta deposit. T. N. Zhestkova [illegible] [illegible] no. 3:91-103 '63.

PECHORA BASIN—COAL MINES AND MINING

Influence of the industrial development of Vork[illegible] territory on the conditions and dynamics of [illegible] freezing and thawing. I. I. [illegible] [illegible] Geog. ob-va SSSR no.[illegible] '63.

PECHORA BASIN—FROZEN GROUND

Composition and cryogenic constitution of the [illegible] clays in the Vorkuta deposit T N. Zhestkova [illegible] no. 3:91-103 '63.

PECHORA RIVER—HYDROBIOLOGY

Additional materials on the hydrobiology of the [illegible] Pechora. L. N. Solovkina. Izv. Komi. fil. Geog. [illegible] SSSR no.8:66-67 '63.

PEDDLERS AND PEDDLING

Dinner in the field. Sov. profsoiuzy 20 no.11 7 [illegible] '64

PEDIATRICS

Kitaigorodskaia, O. D. [Manual of children's diseases] Uchebnik detskikh boleznei. Moskva, Medgiz, 1963. 430 p.
(DNLM)

PELVIS—FRACTURE

Clinical aspects and treatment of a pelvic fracture [illegible] Kakhiani, A D. Gugushvili, G. M Tsanava. [illegible] Gruz. SSR 30 no.3 367 372 Mr '63

PELVIS—WOUNDS AND INJURIES

Urinary incontinence arising after rupture of the symphysis pubis during labor. I. P. Tumanov. Akush i gin. no.1:128-120 '63.

PEMPHIGUS

Morphological study of pemphigoid cells. A. T. Akopian, A. A. Avakian. Vest. derm. i ven. 37 no.6:8-13 Je '63

Pemphigoid toxidermia from the use of iodine. I N Dragina Vest derm i ven 37 no 9 79-80 S '63

PENDULUM

Effect of the way of attachment of the upper part of the elastic plane suspension of a pendulum on its period. V. A. Romaniuk. Trudy Inst. fiz. Zem. no.30.[illegible] '63.

The gas pendulum. P F. Shakurov. Prib. i tekh eksp 8 no 6:192-193 N-D '63.

Relative determinations of the acceleration of gravity by an elastically suspended pendulum. V. A. Romaniuk. Trudy Inst. fiz. Zem. no. 20:53-68 '63.

PENICILLIN

Effect of penicillin on agglutinin formation in brucellosis. A. A. Novasardian. Izv. AN Arm. SSR. Biol. nauki 15 no.5:89-94 My '64.

Effect of penicillin on the development of allergic reactions; experimental study. IU A. Stantshevskii Khirurgiia 38 no.12.54-56 D '62

Stability of dry smallpox vaccines treated with penicillin. M. A. Morozov, L. B. Balalan, M. F. Kulikova. Zhur. mikrobiol., epid. i immun. 40 no.6:105-108 Je '63.

PENICILLIN—TOXICOLOGY

Griseofulvin therapy of dermatomycosis S.S Arutiunova. Vest derm i ven. 37 no 9 83-85 S '63

PENICILLIUM see subdivision under Ukraine

PENIOPHORA

Use of antibiotic-producing fungi for controlling the fungus Fomitopsis annosa (Fr) Karst [with summary in English]. S.F. Negrutskii. Mikrobiologiia 32 no. 4;632-635 Jl-Ag '63.

PENIS—TUMORS

Nature of condyloma acuminatum of the penis [with summary in English]. A.L.Shabad Vest derm i ven 37 no 9 53-56 S '63

PENSIONS

(see also subdivision under Ryazan Province)

Altruistic help. A.Trusova. Sots.obesp. 25 no.3: 22-23 Mr '64.

One more innovation. E.Petrov-Denisov. Sots.obesp. 25 no.3;32-33 Mr '64.

Pension payments at a plant. V.Lebedev. Sots.obesp. 25 no.3;30-31 Mr '64.

Questions and answers. Sots.obesp. 25 no.3;59-60 Mr '64.

PENSIONS, MILITARY

Replies to our readers Sov.profsoiuzy 20 no 11 47 Je '64

PENTENYNE

Reactions of carbenes with diene, enyne, and diyne systems. Part 1: Reactions of dichloro-, dibromo-, and carbethoxycarbenes with 2-methyl-1-penten-3-yne. I.A.D'iakonov, L.P.Danilkina. Zhur.ob.khim. 34 no.3;738-746 Mr '64.

PENZA PROVINCE—COMMUNITY CENTERS

When evening descends upon the village. V. Volodin. Sov. profsoiuzy 20 no. 13.28-20 Jl '64.

PENZA PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

Some critical remarks. M.Burenkov. Sots.obesp. 25 no.3;14-45 Mr '64.

PEPTIC ULCER

Clinical significance of the determination of uropepsinogen in peptic ulcer. A.R.Luzbis, E.S.Ryss. Vest.AMN SSSR 18 no.10;60-65 '63.

Treatment of peptic ulcer and chronic gastritis with ventriculin. A.N.Grigor'iants. Sov.med. 27 no.10 106-109 O '63.

PEPTIDES

Acid soluble peptides and nucleotide-peptides in kidney bean tissues Zh.A.Medvedev, E E.Khavkin Dokl. TSKHA no. 84;240-245 '63.

Effect of ribonuclease on the process of aminoacyladenylate formation. Report No.2: Comparative study of activation of amino acids and peptides. S.IA.Davydova, G.A.Drozdova. Vop.med.khim. 9 no.1;27-33 Ja-F '63.

Synthesis of alkaloid-peptide compounds. K.T. Poroshin and others. Dokl.AN SSSR 156 no.5;1118-1120 Je '64.

Synthesis of tetrapeptides. L.V.Ionova, D.D.Mozzhukhin, E.A.Morozova. Zhur.ob.khim. 34 no.3;760-772 Mr '64.

Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 1: On the possibility of identification of amino acids by characteristic peaks in esters of their acyl derivatives. V.G.Manusadzhian, IA.M.Varshavskii. Izv.AN Arm. SSR.Khim.nauki 17 no.2;137-142 '64.

Use of the mass spectrometric method for studying the derivatives of amino acids and smaller peptides. Part 2: Mass spectrometric analysis of ethyl esters of N-acylpeptides. V.G.Manusadzhian and others. Izv.AN Arm. SSR.Khim.nauki 17 no.2;143-155 '64.

PEPTIDES—SPECTRA

Use of the infrared spectroscopy method in studying short peptides and their derivatives. V.G. Manusadzhian and others. Dokl.AN Arm.SSR 38 no. 5:277-283 '64.

PEPTONES

Mechanism of detoxication of the Clostridium perfringens toxin. M.V.Ispolatovskaia, I.A.Larina, L.V.Klimacheva. Zhur.mikrobiol.,epid.i immun. 40 no.10 110-115 O '63.

PERCEPTION

Cybernetic approach to the image problem. L.M.Vekker, M.G IAroshevskii. Vop.filos. 18 no.5.173-177 '64.

PERCEPTION—TESTING

Changes in the electrical resistance of the skin in patients with eczema, neurodermatitis and psoriasis under the influence of treatment at the Tashkent Mineral Waters [with summary in English]. N.S. Salikhov. Vest.derm.i ven. 37 no.6;19-22 Je '63.

PERCEPTRONS

Retrieving the invariant information symbols by automatic recognition. V.P.Romanov. NTI no.2;34-38 '64.

Use of a composite technique in the recognition of images. G.A Strekalov. Trudy MEI no 53;55-78 '64

PERCH see subdivision under Black Sea, Mediterranean Sea

PERCH FISHERIES

Improved rigging of the 15/21 trawl used in perch fishing. V.K.Zhukov, V.K.Mironenko. Ryb.khoz. 40 no.1 49-51 '64.

PERENNIALS see subdivision under Turkmenistan

PERFUSION PUMP (HEART)

Experimental and clinical bases for using the extracorporeal circulation apparatus AIK-RP-62 for regional perfusion [with summary in English] V V.IAvorskii, S A Mushegian, N.N Trapeznikov. Eksp khir i anest 8 no 5.16-19 S-O '63.

PERILLUS see subdivision under Minsk Province

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

In the world of chemical elements: "Frontiers and evolution of the periodical system" by D.N.Trifonov. Reviewed by IU.IA.IAkovlev. Priroda 53 no.6.123-124 '64.

Problem of the modern interpretation of D.I.Mendeleev's periodic system. A.V.Lapitskii, L.G.Vlasov, R.TSaletka. Vest.Mosk.un.Ser.2: Khim. 19 no.2;74-78 Mr-Ap '64.

PERIODICALS

Title pages of serial publications. N.A.Nikiforovskaia. Trudy Bibl.AN SSSR 7;60-69 '63.

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIWINKLE (BOTANY) see subdivision under Lvov Province; Ukraine

PERLITE (MINERAL)

Valuable advantages of perlite heat insulation products. S.P.Kamenetskii. Stroi.mat. 10 no.2;10-12 F '64.

PERM—CHILDREN—HOSPITALS

History of the pediatric clinic of the Perm Medical Institute. L.B.Krasik. Trudy Perm.gos.med.inst. 43;136-142 '63.

PERM—DEPARTMENT STORES

A "Sintetika" Store in Perm. I.Liberman. Sov.torg. 37 no.1 35-37 Ja '64.

PERM—GYNECOLOGY

History of the clinic of obstetrics and gynecology of the Perm Medical Institute (1920-1962). M.B.Krylova, N.K.Nakoriakov, A.S.Dashevskii. Trudy Perm.gos. med.inst. 43;128-135 '63.

PERM—HISTORY—RESEARCH

History of the Department of Histology of the Perm Medical Institute. I.M.Postova. Trudy Perm.gos. med.inst. 43;84-88 '63.

PERM—HISTORY—STUDY AND TEACHING

History of the Department of Histology of the Perm Medical Institute. I.M.Postova. Trudy Perm.gos. med.inst. 43;84-88 '63.

PERM—HOSPITALS

History of the founding of the first medical institution in Perm. T.I.Vershinin. Trudy Perm.gos.med.inst. 43;272-273 '63.

History of the Perm Province Hospital. V.V.Pleshkov. Trudy Perm.gos.med.inst. 43;265-271 '63.

PERM—IMMUNOLOGICAL RESEARCH

Development of immunological problems in the works of the Perm Scientific Research Institute of Vaccines and Serums. L.I.Raikher. Trudy Perm.gos.med.inst. 43;54-60 '63.

PERM—MEDICAL COLLEGES

History of interrelations between the Perm Medical Institute and the public health agencies. A.G. Vershinina, V.T.Selezneva. Trudy Perm.gos.med. inst. 43;38-48 '63.

PERM—MEDICAL MICROBIOLOGY—RESEARCH

Role of Perm scientists in the inception and development of medical microbiology in the Urals. L.B.Gel'dner. Trudy Perm.gos.med.inst. 43;49-53 '63.

PERM—MEDICINE—STUDY AND TEACHING

Fortieth anniversary of the Department of the Organization of Public Health Service and the History of Medicine of the Perm Medical Institute. A.G. Vershinina. Trudy Perm.gos.med.inst. 43;95-100 '63.

PERM—OBSTETRICS

History of the clinic of obstetrics and gynecology of the Perm Medical Institute (1920-1962). M.B.Krylova, N.K.Nakoriakov, A.S.Dashevskii. Trudy Perm.gos. med.inst. 43;128-135 '63.

PERM—PUBLIC HEALTH

Social principles in the work of public health agencies. A.M.Reiner. Trudy Perm.gos.med.inst. 43,362-368 '63.

PERM—PUBLIC HEALTH—STUDY AND TEACHING

Fortieth anniversary of the Department of the Organization of Public Health Service and the History of Medicine of the Perm Medical Institute. A.G. Vershinina. Trudy Perm.gos.med.inst. 43;95-100 '63.

PERM—SURGERY

Brief historical data on the clinic of the Department of Surgery of the Perm Medical Institute. A.L. Fenelonov, I.A.Ivanov. Trudy Perm.gos med.inst. 43;121-127 '63.

PERM—SURGERY—STUDY AND TEACHING

History of the Department of General Surgery at the Perm Medical Institute (1927-1938). A.M.Aminev. Trudy Perm.gos.med.inst. 43,110-113 '63.

PERM—THERAPEUTICS—STUDY AND TEACHING

Development of therapeutic departments at the Perm Medical Institute. P.A.IAsnitskii, V.D.Barkov. Trudy Perm.gos.med.inst. 43;105-109 '63.

PERM GOVERNMENT—MEDICINE—STUDY AND TEACHING

History of the training of subprofessional medical workers in the Perm Government in prerevolutionary times. M.IA.Podluzhnaia. Trudy Perm gos.med.inst. 43; 185-192 '63.

PERM GOVERNMENT—PUBLIC HEALTH

History of interrelations between the Perm Medical Institute and the public health agencies. A.G. Vershinina, V.T.Selezneva. Trudy Perm.gos.med. inst. 43.38-48 '63.

Organization of public health service in Perm Government during the inception period of Soviet power. V.T.Selezneva. Trudy Perm gos.med.inst. 43;326-333 '63.

Public health service in the Perm Government in the years of transition to peaceful work following the reestablishment of the national economy (1921-1925). V.T.Selezneva. Trudy Perm.gos.med.inst. 43;338-345 '63.

PERM PROVINCE—COMMUNICABLE DISEASES—RESEARCH

History of the clinic of infectious diseases of the Perm Medical Institute. V.I.Rabinovich. Trudy Perm.gos. med.inst. 43;155-158 '63.

PERM PROVINCE—GAS, NATURAL—GEOLOGY

Concerning G.Kh.Abrikosov's book "Oil and Gas Potential of Perm Province. V.G.Vasil'ev. Geol.nefti i gaza 8 no.3;48-50 Mr '64.

PERM PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Development of sanatoriums and health resorts in Perm Province. V.N.Shchukin. Trudy Perm.gos.med.inst. 43;385-391 '63.

PERM PROVINCE—PETROLEUM GEOLOGY

Concerning G.Kh.Abrikosov's book "Oil and Gas Potential of Perm Province. V.G.Vasil'ev. Geol.nefti i gaza 8 no.3;48-50 Mr '64.

PERM PROVINCE—PHARMACEUTICAL RESEARCH

History of higher pharmaceutical education in the Urals. Z.M.Mitiagina. Trudy Perm.gos.med.inst. 43;61-66 '63.

PERM PROVINCE—PHARMACY—STUDY AND TEACHING

History of higher pharmaceutical education in the Urals. Z.M.Mitiagina. Trudy Perm.gos.med.inst. 43;61-66 '63.

PERM PROVINCE—PUBLIC HEALTH

Public health service in the Perm area during 1926-1929. V.T.Selezneva. Trudy Perm.gos.med.inst. 43;346-353 '63.

State of public health service in Perm Province and prospects for its development. L.V.Kats. Trudy Perm.gos.med.inst. 43;392-397 '63.

PERM PROVINCE—QUARRIES AND QUARRYING

Efficiency of using sloped boreholes in Perm Province limestone quarries. S.P.Demb, R.P.Potekhin. Nauch. trudy PermNIUI no.4;130-132 '62.

PERM PROVINCE—SKIN—DISEASES

History of dermatovenereal aid in Perm Province for the last 45 years. K.L.Golshmid. Trudy Perm.gos.med. inst. 43;148-154 '63.

PERM PROVINCE—VENEREAL DISEASES

History of dermatovenereal aid in Perm Province for the last 45 years. K.L.Golshmid. Trudy Perm.gos.med. inst. 43;148-154 '63.

PERMAFROST see Frozen ground

PERMALLOYS—MAGNETIC PROPERTIES

Effect of anisotropy dispersion on the dynamic properties of thin permalloy films. R.V.Telesnin, T.N. Nikitina. Fiz.tver.tela 6 no.4;1234-1235 Ap '64.

PERMANGANATES—DIELECTRIC PROPERTIES

[illegible] permanganates of alkali [illegible] Fiz.tver.tela [illegible]

PERMITTIVITY see Dielectric constant

[illegible]

[illegible] of sero [illegible] I.I.R[illegible] 1/2 41-4[illegible] '63.

[illegible]

[illegible]

[illegible]

PERSIAN LANGUAGE—AFFIXES

[illegible] Persian. N. A. Mukhamedova. Krat [illegible] 72 72-[illegible] '63

PERSIAN LANGUAGE—DICTIONARIES

[illegible] explanatory dictionary [illegible] with summary in [illegible] Izv AN Azerb SSR Ser [illegible] 6 97-105 '63

PERSIAN LANGUAGE—DICTIONARIES—RUSSIAN

[illegible] for compiling Persian-Russian dictionaries. [illegible] Krat soob Inst nar Az [illegible] 72 [illegible]-133 '63

PERSIAN LANGUAGE—STYLE

Characteristics of the language of "Farsnameh." L. P. [illegible] Krat soob Inst nar Az no 72,102-119 '63

PERSIAN LANGUAGE—VERB

[illegible] verbs in Persian. N A Mukhamedova. Krat soob Inst nar Az no 72 72-91 '63

PERSONALITY

[illegible], technological progress and some problems [illegible] of personalities. IU S. Meleshchenko [illegible] Uch zap Len. [illegible] vuz g.Len., Filos [illegible]

PERU—LAND TENURE

[illegible] Mezhdunar zhizn' [illegible]

PESTICIDES

[illegible] I. F. [illegible] and others. Zashch rast.ot vred. [illegible]

[illegible] A.B. Fratkin. Zashch.rast.ot vred. [illegible] no 5 [illegible] '64.

PESTICIDES—TESTING

[illegible] "Venin" preparation in the [illegible] beet weevils. L.P.Lobov, H O.Efimov. [illegible] 4:35-37 O-D '63.

Methods of determining the stability of the suspension of wetted pesticide powders. V.P Tropin. Khim.v sel'. [illegible] 2 [illegible]:17-21 Ja '64

PETERSBURG—GARRISONS

The [illegible] organizations in Petersburg from the [illegible] the beginning of the 1860's and their role [illegible] Russo-Polish revolutionary ties. [illegible] Uch.zap Inst.slav. 28 268-304 '64.

PETROGLYPHS see subdivision under Mongolia, Siberia

PETROLATUM

Impregnation of wooden parts with petrolatum. O. IA. [illegible] Der.prom. 13 no.6 24 Je '64.

PETROLEUM—ANALYSIS see subdivision under Kuma Valley

PETROLEUM—MICROBIOLOGY

"Bacteria of the formation waters, petroleum and rocks of oil fields of the U.S.S.R." by T.L. Simakova, [illegible] Kolesnik. Reviewed by L.D. Shturm. Mikrobiologiia 32 no 4 737-738 Jl-Ag '63.

PETROLEUM—STORAGE

Olonev, N. M. [Storage of petroleum and petroleum products] Khranenie nefti i nefteproduktov. Izd. 3., perer. i dop. Leningrad, Nedra, 1964. 428 p.

PETROLEUM—TRANSPORTATION

New system for gathering and transporting petroleum in offshore fields. M. F. Fishman. Nefteprom. delo no. 5 14-17 '63

Pumping a gas-oil mixture in the simultaneous gathering of oil and gas. K P Veshchev. Neft khoz 41 no 6 [illegible] Je '63

PETROLEUM CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

Electrically welded pipes used in place of seamless pipes for petroleum refineries and petrochemical plants. V.G. D'iakov, I.A. Levin, Kh. I. Cheskis. Mash.i neft.obor. no.4:16-17 '64.

PETROLEUM CHEMICALS
(see also subdivision under Azerbaijan)

Catalytic cracking products for petrochemical syntheses. A V Agafonov B T Abaeva N A.Okinshevich. Trudy VNII NP no 9 27-51 '63

Ensure the supply of oil and gas raw stock to the chemical industry. Geol.nefti i gaza 8 no.4:1-4 Ap '64.

Petroleum chemistry and the introduction of chemical processes into the national economy. Neftekhimiia 4 no.1 3-5 Ja-F '64

PETROLEUM COKE
(see also subdivision under Volgograd Province)

New types of plants for coking heavy petroleum residues. V.F.Krasiukov. Koks i khim. no.4,28-30 '64.

PETROLEUM ENGINEERS—EDUCATION AND TRAINING

Organization and content of long-term industrial training of the students of the 5th and 6th courses of the non-correspondence division. I L Gurevich. Izv vys ucheb za., neft' i gaz 5 no 11 117-118 '62

PETROLEUM GEOLOGY
(see also subdivision under Apsheron Peninsula; Arlan Oil Field, Bashkiria; Bitkov Oil Field, Caspian Lowland; Caspian Sea region, Caucasus, Northern; Daghestan; Dnieper-Donets Lowland; Don Valley; Emba region, Georgia, Kama Valley; Karpinsk Lowland, Kavtiskhevi region, Georgia; Komi A.S.S.R.; Kuma Valley; Kura Valley; Kuybyshev Province; Mangyshlak Peninsula; Perm Province; Reinkenhagen Oil Field, German Democratic Republic, Stavropol Territory; Surkhandarya Valley; Tajik Depression, Tatar A.S.S.R.; Turkmenistan; Udmurt A.S.S.R.; Ukraine; Ustyurt, Uzbekistan; Volga-Ural region, Volgograd Province)

Concerning the book by M.A.Zhdanov "Petroleum geology." V.N.Lazarev and others. Izv.vys.ucheb.zav., neft' i gaz 6 no 8,110-112 '63.

Developing the theories of I.M Gubkin concerning the *origin of oil and the formation of oil fields.* V.V.Veber and others. Trudy VNIGNI no.40;5-29 '64.

Economic problems in the works of academician I.M. Gubkin. N.I.Mordvin. Trudy VNIGNI no.40;211-215 '64.

Geochemical investigations of oils and gases in the study of the laws of the spatial distribution of their fields. T.A.Botneva, S.P Maksimov. Trudy VNIGNI no.40; 95-128 '64.

Mathematical statistics in petroleum geology. L.F. Demen'tev. Geol.nefti i gaza 8 no 3;18-21 Mr '64.

Moscow. Institut geologii i razrabotki goriuchikh iskopaemykh. [The media and processes of oil formation] Sreda i protsessy nefteobrazovaniia. Moskva, Izd-vo "Nauka," 1964. 166 p.

Necessity for taking into consideration the special features of the structure of uplifts along the upper horizons during the commercial prospecting of lower horizons. A I.Stepanov. Nauch.-tekh.sbor po dob.nefti no 18, 1-8 '62.

Piezometric minimums as a hydrogeological index of oil and gas potential. V.A.Kudriakov. Neftegaz.geol. i geofiz no.4:35-39 '64.

Possibilities for determining geologic structure from geomorphological data. *M.V.Pronicheva, P.I.Zhernakov.* Trudy VNIGNI no.40;146-158 '64.

Possibility of using hydrodynamic investigations for revealing disjunctive disturbances. I G Stepin. Nauch.-tekh.sbor.po dob nefti no.18;53-58 '62

Precision in the determination of the electrical resistivity of reservoir waters. M.G.Latysheva. Neftegaz.geol. i geofiz. no.4 46-49 '64.

Results of geological prospecting for oil and gas in the R.S.F.S.R. for 1963. B.A Tkhostov and others. *Geol.nefti i gaza* 8 no.3;1-9 Mr '64.

Vendel'shtein, B.IU., and V.V.Larionov. [Using the data of field geophysics in estimating gas and oil *reserves*] *Ispol'zovanie* dannykh promyslovoi geofiziki pri podschete zapasov nefti i gaza; metodicheskoe rukovodstvo. Pod red. V.N.Dakhnova. *Moskva,* Izd-vo "Nedra," 1964. *197 p.*

PETROLEUM GEOLOGY—CONGRESSES

Problems of oil and gas prospecting; *Fifth All-Union* Scientific and Technical Geophysical Conference. A.A.Kovaleva, V.V.Fedynskii. Geol.nefti i gaza 8 no.3,51-55 Mr '64.

PETROLEUM INDUSTRY
(see also subdivision under Australia; Baku region; Cuba, Groznyy; India; Siberia)

Chemistry and the petroleum industry. N.K.Baibakov. Nefteper.i neftekhim. no.1:3-7 '64.

Great chemical industry and great petroleum industry. N Baibakov. NTO 5 no.9 4-7 S '63.

PETROLEUM INDUSTRY—ACCOUNTING see subdivision under Tatar A.S.S.R.

PETROLEUM INDUSTRY—CONGRESSES

Sixth International Petroleum *Congress.* IU B Kriukov. Neftekhimiia 4 no 1;176-180 Ja-F '64.

PETROLEUM INDUSTRY—FINANCE see subdivision under Bashkiria

PETROLEUM INDUSTRY—HYGIENIC ASPECTS see subdivision under Baku

PETROLEUM INDUSTRY—PRODUCTION STANDARDS

The norm research organization of the petroleum and gas industries in 1964-1965. *N.Serebriakov,* A.Smirnov. Sots.trud 9 no.6:75-80 Je '64.

Supply the chemical and petroleum industries with efficient norms. N. Chernyshev, E. Estatova. Sots. trud 9 no.6;66-74 Je '64.

PETROLEUM INDUSTRY WORKERS

To punish? No, to help! S Miniakov. Sov profsoiuz. 20 no 11 18-19 Je '64

PETROLEUM PIPELINES
(see also subdivision under Texas)

Gol'dshtein, A.S., and V.I.Kireenko. [Suspended and arched passage of petroleum products] Visiachie i arochnye perekhody nefteprovodov. Moskva, Nedra, 1964. 116 p.

PETROLEUM PIPELINES—FLUID DYNAMICS

Forcing a highly viscous liquid from short and long pipelines. V.I.Khar[illegible]enko, V.I.Gubin. Izv.vys. ucheb.zav., neft' i gaz 7 no.3;87-91 '64.

Temperature change of a petroleum product when a hot pipe is put into operation. P.I.Tugunov, V.I. Novoselov. Izv.vys.ucheb.zav., neft' i gaz 7 no.[illegible] 99-102 '64.

PETROLEUM PRODUCTION
(see also subdivision under Ishimbay region; Turkmenistan; Tuymazy Oil Field)

Critical parameters for oil and oil-gas systems. T. P. Zhuze and others. Neft.khoz. 41 no 6:25-[illegible] Je '63

Determination of flowing-well transfer functions. [illegible] Salimzhanov, A.M.Belov. Izv.vys.ucheb.zav., neft' i gaz 6 no.8;91-96 '63.

Determining efficient well spacing in commercial oil field prospecting. A. M. Karapetov. Nauch.-tekh.sbor. po dob nefti no 14 1 3 20 '61

Economic evaluation of change in petroleum recovery as a function of well-network density. L. P. Gužnovskii. Nefteprom.delo no.5:24-27 '63.

Industrial safety in carrying out and cementing development workings during the occurrence of oil and gas. L.V.Kuchorskii and others. Nauch.trudy PermNIUI no.4:103-120 '62.

Long-period pulse-time telemetering system with a [illegible] contact converter. A. A. Abdullaev, I. A. Nabiev, A. I. Chebanov. Izv.vys.ucheb.zav., neft' i gaz 5 no.11. 95-99 '62.

Long-term planning of the development of oil and gas production in the U.S.S.R.; a topic for discussion. M M.Brenner. Neft khoz. [illegible] no 6 1-[illegible] Je '63

Mazepa, B.A. [Controlling paraffin deposition in petroleum production abroad] Bor'ba s parafinovymi otlozheniiami pri dobyche nefti za rubezhom. Moskva, Gostoptekhizdat, 1961. 89 p.

Random numbers transducer used for solving boundary value problems by mathematical statistics in the development of oil and gas reservoirs. O. V. Bidovskii. Izv.vys.ucheb.zav., neft' i gaz 7 no.3:103-105 '64.

Separating beds with high temperatures. I. Z. Salamian, A.M.Shubaev, M I.Bashkirtsev. Nefteprom.delo no.4 18-20 '64.

Some suggestions on the determination of the efficiency of commercial prospecting and the qualities of reserves. A.M.Karapetov, A.P.Chopurov. Nauch.-tekh.sbor.po dob.nefti no.20;6-11 '63.

Studying economic dependence in petroleum production. I.I.Ryzhenkov. Nauch.-tekh.sbor.po dob.nefti no.13 102-105 '61.

Using electric sinking pumps in wells with damaged production casing. K.I.Isangulov and others. Nefteprom.delo no.4:11-12 '64.

PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES
(see also subdivision under Oklahoma)

Certain problems involved in the wear of metals in abrasive air flow. V.N.Vinogradov, A.A.Antonov. Trudy MINKHiGP 46:137-149 '64.

Deep-well flowmeter with an inflated packer. I.A. Fakhreev, O.E.Dukhovnyy. Nefteprom.delo no 5;19-20 '63.

Give greater attention to the development of instruments for hydrodynamic investigations of reservoirs and wells. Neft.khoz. 41 no.6 58-61 Je '63.

MLSh-2 magnetic ball catcher. R.A.Abdullin. Nefteprom.delo no.6;22-23 '63.

Telemetering the production of strippers and heavily flooded wells. K.E Sosnov, A.I.Voronenko. Nefteprom delo no 4:23-25 '64.

PETROLEUM PRODUCTION—MODELS

New method for the construction of the current lines and current pipes of a fluid in the electric modeling of oil field development *processes.* L.G.Kogan. Nauch.-tekh.sbor.po dob.nefti no. 14;64-69 '61.

PETROLEUM PRODUCTION, THERMAL

Certain formulas for calculating the temperature field of a bed when heat is injected. N.A.Avdonin. Izv.vys. ucheb.zav., neft' i gaz 7 no.3;37-41 '64.

PETROLEUM PRODUCTS—ANALYSIS

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Electrically welded pipes used in place of seamless pipes for petroleum refineries and petrochemical plants. V.G.D'iakov, I.A.Levin, Kh.I.Cheskis. Mash.i neft.obor no.4 16-17 '64.

PETROLEUM REFINING

German, A.L., and R.B.Kolbasova. [Petroleum sulfo acids; their production and use] Neftianye sul'fokisloty, proizvodstvo i primenenie. Moskva, Izd-vo "Khimiia," 1964. 143 p. (Obmen proizvodstvennym opytom)

Preparing petroleum for refining. A.G.Gobzhila, F.S. Popesku. Izv.vys.ucheb zav , neft' i gaz 5 no.11,71-74 '62.

Use of butylenes in petroleum chemistry. V L.Klimenko, E.B.TSyrkin. Trudy LIEI no.46 34-43 '63.

Visual observation of selective purification. L.A.Gukhman, S.D.Mirzoev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.8;69-75 '63.

Water stabilization in a system of return water supply in a petroleum refinery. F.N.Khal'fin, A.M. Fominykh. Izv.vys.ucheb.zav., neft' i gaz 7 no.3; 68,74 '64

PETROLEUM REFINING—DEWAXING

Effect of the depth of phenol purification of residual oil on the characteristics of dewaxing. Mokhamed Fauzi, B.N.Kartinin, N I.Chernozhukov Izv.vys.ucheb.zav ; neft' i gaz 6 no 8:61-64 '63.

Significance of intensifying mixing during the final washing of fairly oil-free paraffin in the dewaxing of transformer oils. A A Chesnokov, A M.Shevtsov. Nefteper.i neftekhim. no 1 15-16 '64

PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Berlin, M.A. [Wear of the basic components of tube-stills] Iznos osnovnykh elementov trubchatykh pechei. Moskva, Izd-vo "Nedra," 1964. 99 p.

Brass cladding the steel pipe grids of heat exchanging apparatus in petroleum refineries. G.G.IAnchenko. Mash.i neft.obor. no.4:29-30 '64.

Heat hardened Kh5M-U pipes. E.B.Zalesskaia, S.I. Vol'fson. Mash.i neft.obor. no.4:26-28 '64.

PETROLEUM RESEARCH

Construction and initial operation of experimental units in the petroleum refining industry. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.5:59 My '64.

PETROLEUM WASTE

(see also subdivision under Baku Bay)

Effect of NCHK on the removal of oil from waste waters by filtration B I Karapaev Neft.khoz 41 no.6 38-42 Je '63

Reagent method for the final purification of petroleum-refinery waste waters. F.N.Khal'fin, A.M.Fominykh. Izv.vys.ucheb.zav.; neft' i gaz 6 no.8;103-105 '63.

Water stabilization in a system of return water supply in a petroleum refinery. F.N.Khal'fin, A.M. Fominykh. Izv.vys.ucheb.zav., neft' i gaz 7 no.3· 68,71 '64.

PETROLEUM WORKERS see subdivision under Turkmenistan

PETROLEUM WORKERS—EDUCATION AND TRAINING

Training of the petroleum industry workers. A.Sarychev. Prof.-tekh.obr. 21 no.5:4-5 My '64.

PETROLOGY

(see also subdivision under Angar Valley; Carpathian Mountains; Chulym Valley)

International Geological Congress, 22d, 1964. [Petrographic formations and the problems of petrogenesis] Petrograficheskie formatsii i problemy petrogenezisa. Moskva, Izd-vo "Nauka," 1964. 207 p. (Its: Doklady sovetskikh geologov, Problema 10)

PETROPAVLOVSK—INDUSTRIAL HYGIENE

Position that had no luck. V.Riabtsev. Okhr.truda i sots.strakh. 7 no.6:32-33 Je '64.

PETROVS'KYI HRYHORYI IVANOVYCH, 1877-1957

Boga, F.F., and V.G.Aleksandrov. Petrovskii. Moskva, Molodaia gvardiia, 1963. 317 p. [Zhizn' zamechatel'nykh liudei. Seriia biografii, no.19 (374))

[A heart devoted to people; story about the life and work of Grigorii Ivanovich Petrovskii] Serdtse, otdannoe liudiam; rasskaz o zhizni i deiatel'nosti Grigoriia Ivanovicha Petrovskogo. Moskva, Politizdat, 1964. 189 p.

PETRUSHEVSKII, DMITRII MOISEEVICH, 1863-1942

How D.M.Petrushevskii expounds and explains disintegration of the Western Roman Empire in his "Studies on the economic history of the European Middle Ages." A.I.Gullak. Pratsi Od.un.Zbir.stud.rob. 146 no.4; 27-32 '56.

PEUCEDANUM

Lactones of Peucedanum mogoltavicum Korov. G.K. Nikonov, V.B.Kuvaev. Zhur.ob.khim. 34 no.3; 1020-1024 Mr '64.

PHAGOCYTOSIS

Combined effect of irradiation and blood loss on the phagocytic activity of leucocytes in rabbits. M.I. Allaverdian, M.A.Movsesian, T.Kh.Marukian. Vop. radiobiol.[AN Arm.SSR] 3/4:17-26 '63.

Diagnostic importance of phagocytosis in diphtheria V D Gladysheva Trudy Irk IEG no 5 64-69 '60

Phagocytosis during the condition of fatigue V N Volkov, O V Bukharin Teor i prak fiz kul't 27 no 2 26-29 F '64

PHARMACEUTICAL RESEARCH see subdivision under Perm Province

PHARMACEUTICAL SOCIETIES see subdivision under Lvov Province; Zaporozh'ye

PHARMACISTS see subdivision under Ukraine

PHARMACOGNOSY—STUDY AND TEACHING

Practical exercises in pharmacognosy. V M.Shelud'ko, V S.Babenko. Farmatsev zhur 16 no 4,10-41 '61

PHARMACOLOGY

New trends in modern pharmacology. V.V.Zakusov. Sov.med. 27 no.10 7-12 O '63.

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref.zhur.: Farm.Toks. no.12 Je '64.

PHARMACY

(see also subdivision under Donetsk Province; Ukraine)

Brief news and information. Farmatsev.zhur. 14 no.3:90-93 '59.

Brief news and information Farmatsev.zhur. 14 no.1; 93-94 '59.

Consultation by correspondence on the preparation of certain drug forms. M.M.IAmpol's'ka, M.M. Shvartsburd. Farmatsev.zhur. 15 no.4:88-90 '60.

Consultation by correspondence on the preparation of some rare drug forms. Farmatsev.zhur. 14 no.3·87-89 '59.

Determination of the need of medical supplies is an important problem in the work of pharmacy administrations. K.Z.Arakel'ianta, L.T.Zagorovs'ka. Farmatsev.zhur. 17 no.6.3-7 '62.

Issue of prepared drugs. L.I.Rapaport. Farmatsev. zhur. 14 no.3;68-70 '59.

The label. M.I.Tkachuk. Farmatsev.zhur. 14 no.4: 79-80 '59.

Losses of medicinal substances resulting from pounding in a mortar. H.P.Pivnenko, I.O.Marenych. Farmatsev.zhur. 14 no.3;17-21 '59.

Preparing mixtures by the weight-voluminal method. D.P.Salo and others. Farmatsev.zhur. 16 no.4:20-23 '61.

Studying aseptic methods for the preparation of drugs. Report No.1. O.V.Chuiko and others. Farmatsev. zhur. 17 no.6·43-48 '62.

Use of Ukrainian bentonites in the pharmaceutical practice. H.P.Pivnenko and others. Farmatsev.zhur 14 no.4;13-20 '59.

PHARMACY—EQUIPMENT AND SUPPLIES

(see also subdivision under Kiev; Skala-Podol'skaya, Ternopol' Province)

Devices for stamping names and sealing stoppers. H.B. Lander. Farmatsev.zhur. 17 no.6;78-80 '62.

Use of bactericidal lamps in the pharmacy practice. H.IA.Fedorenko and others. Farmatsev.zhur. 16 no.4;11-14 '61.

PHARMACY—NOMENCLATURE

Essentials of Latin nomenclature of organic pharmaceutical preparations. M.H.Kazanovs'kyi. Farmatsev. zhur. 17 no.6,63-66 '62.

PHARMACY—PERIODICALS see subdivision under Rumania; Ukraine

PHARMACY—QUALITY CONTROL see subdivision under Donetsk Province

PHARMACY—STUDY AND TEACHING

(see also subdivision under Kharkov; Perm Province; Ukraine)

Training of pharmacists. M.A.Naumenko, V.K. IAshchenko. Farmatsev.zhur. 14 no.4;71-74 '59.

PHASE RULE AND EQUILIBRIUM

Distribution of hydrogen sulfide in natural gas and water under reservoir conditions. A.IU.Namiot. Nauch.-tekh.sbor.po dob.nefti no.18;76-82 '62.

Dreving, V.P., and IA.A.Kalashnikov. [Phase rule with a presentation of the elements of thermodynamics] Pravilo faz s izlozheniem osnov termodinamiki. Izd.2., perer. i dop. [Moskva] Izd-vo Mosk.univ., 1964. 454 p.

Equilibrium vapor pressure of phosphorus at the melting point of indium phosphide. A.IA.Nashel'skii, V.Z. Ostrovskaia, S.V.IAkobson. Zhur.fiz.khim. 38 no.4: 891-895 Ap '64.

Heterogeneous equilibrium in the system Ge - In - Sb. V.S.Zemskov, A.D.Suchkova, B.G.Zhurkin. Zhur.fiz. khim. 36 no.9;1914-1918 S '62.

Liquid - vapor equilibrium in the ternary system acetic anhydride - acetic acid - acetaldehyde. E.N.Vasenko and others. Dokl.LPI 5 no.1/2;172-175 '63.

Liquid - vapor phase equilibrium in the system acrylonitrile - acetonitrile at atmospheric pressure. V.V. Prokhorova, L.A.Serafimov, L.S.Takhtamysheva. Zhur.fiz.khim. 38 no.4;1005-1008 Ap '64.

Molchanova, E.K. [Atlas of constitutional diagrams of titanium alloys] Atlas diagramm sostoianiia titanovykh splavov. Pod red. S.G Glazunova. Moskva, Mashinostroenie, 1964. 391 p.

On the significance of the volume factor during the formation of the sigma phase V.N.Bykov, V.A.Solov'ev. Zhur.strukt.khim. 5 no.2;315-317 Mr-Ap '64.

"Phase equilibria in multicomponent systems" by L.S. Palatin, A.I.Landau. V.IA Anosov. Zhur.fiz.khim. 36 no.9;2106-2107 S '62.

Phase equilibria in the system lanthanum oxide - aluminum oxide. I A.Bondar', N.V.Vinogradova. Izv.AN SSSR.Ser.khim. no.5;785-790 My '64.

Phase equilibria in the systems UO_2SO_4 - H_2O - $C_4H_9OPO(C_4H_9)_2$ and H_2SO_4 - H_2O - $C_4H_9OPO(C_4H_9)_2$. A.V.Nikolaev, I.M.Ivanov, I.I.IAkovlev. Dokl.AN SSSR 156 no 4;888-890 Je '64.

Properties of the demixing field in the system water - pyridine - aniline. R.V.Mertslin, N.I.Nikurashina. Zhur.ob.khim 34 no.3;715-718 Mr '64.

Verification of liquid - vapor equilibrium in three-component systems with two liquid phases. T.A.Pak, V.B. Kogan. Zhur.fiz.khim 36 no.9;2046-2050 S '62.

PHEASANTS see subdivision under Ukraine

PHENOL CONDENSATION PRODUCTS

Condensation of o-aminoselenophenol with unsaturated carboxylic acids. L K.Mushkalo, D I.Shelko. Ukr. khim.zhur. 30 no.4;384-387 '64.

Obtaining cationic and amphoteric water-soluble condensation products of amines and phenols with dimethylolurea. N.A.IAremchuk, L.M.Shuter, IA.P. Berkman. Dokl.LPI 5 no.1/2 55-58 '63.

Reactions of condensation of extractive phenols with formaldehyde. V.V.Romaniv. Dokl.LPI no.1/2: 96-99 '63.

PHENOLS

Interaction of hexaalkyldisilazanes with carboxylic acids and diatomic phenols. K.A.Andrianov, V.V.Astakhin, B.P.Nikiforov. Zhur.ob.khim. 34 no.3;914-916 Mr '64.

Physicochemical analysis of the ternary system phenol - acetamide - trichloroacetic acid. I.M.Bokhovkin, IU.I. Bokhovkina, E.O.Vitman. Zhur ob.khim. 34 no.3: 727-731 Mr '64.

Using the extracts of phenol purification as plasticizer fillers for synthetic rubbers F.G.Sidliaronok and others Trudy VNII NP no 9 52-67 '63

PHENOMENOLOGY

From the defense of "strict science" to the assertion of irrationalism. N V Motroshilova, E.IU Solov'ev Vop filos. 18 no.5 92-103 '64

PHENOTHIAZINE

Chromatography and stability of phenothiazine derivatives used as neuroplegic drugs. I.IA.Blazhek. Farmatsev.zhur. 17 no.6:9-13 '62.

Effect of adrenaline on the blood sugar in irradiated and nonirradiated animals as influenced by aminazine. A.A.Akopian, M.V.Manukian. Vop.radiobiol.[AN Arm. SSR] 3/4;269-279 '63.

PHENYL GROUP

Spectrophotometric determination of diphenyl in distilled C_{17}-C_{20} fatty acids. N.K.Man'kivs'ka and others. Khim.prom.[Ukr.] no.4;61-63 O-D '63.

PHENYLENEDIAMINE

Preparation of diazo constituents derivatives of paraphenylenediaminesulfonic acid. M.L.Shevchenko, IA.P.Berkman. Dokl.LPI no.1/2;59-64 '63.

PHEOPHYTINS

Effect of a salt anion on the reaction of the metal ion with pheophytin. I.L.Kukhtevych. Farmatsev.zhur. 14 no.4;31-36 '59.

PHILOSOPHICAL RESEARCH

The main thing is to solve philosophical problems in a creative way. Vop.filos 18 no.5,146-153 '64

PHILOSOPHY

Correlation of the history of philosophy and scientific communism. Some methodological problems of studies of the history of philosophy. A.I.Novikov. Uch.zap. kaf.obshchestv.nauk vuz.g.Len.; Filos. no.5;27-34 '64.

IAkovlev, M.V. [Marxism and contemporary bourgeois philosophy; criticism of the falsification of the history of philosophy in the West German literature] Marksizm i sovremennaia burzhuaznaia istoriia filosofii; kritika fal'sifikatsii istorii filosofii v zapadnogermanskoi filosofskoi literature. Moskva, "Mysl'," 1964. 349 p.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—CONGRESSES

A fruitful meeting. E.T.Faddeev. Vop.filos. 18 no.5· 153-160 '64

Philosophical symposium in the U.S.A. M.B.Mitin, M E.Omel'ianskii. Vop.filos. 18 no.5;101-107 '64.

[illegible]

[illegible] N [illegible]

[illegible] [illegible] [illegible]

[illegible]

[illegible] [illegible] zhr [illegible] [illegible] 156 no 4 [illegible]

[illegible] see subdivision under Mediterranean [illegible]

[illegible]

[illegible] interfacial [illegible] O [illegible] Smirnova, [illegible]

[illegible]ATASES

[illegible] ity in pregnancy M. A Repina, [illegible] 1 107 110 '63.

[illegible] alkaline phosphatase [illegible] influence of the chronic [illegible] A. [illegible] Vop.radiobiol [illegible] 3:4121-[illegible] '63

[illegible] al and in- [illegible] Derbkan- [illegible] no.5:162- [illegible]

[illegible] the activity of phosphomonoesterases of [illegible] of a chicken embryo under [illegible] G T Adunts Izv AN [illegible] 15 no 5 23-30 My '63

PHOSPHATE INDUSTRY—COSTS

[illegible] V. I. [illegible] 4 [illegible] O-D '63.

PHOSPHATES

[illegible] extract from Karatau [illegible] L. I Rutkav- [illegible] '61

[illegible] relations between the param- [illegible] V. H Zemel'man, A M [illegible] Khim prom. no.10,776-779 [illegible]

[illegible] from Karatau phosphorites [illegible] N G Abdul- [illegible] Trudy AZVI 12 623-627 '61

[illegible] natural methane IA. P. [illegible] Dokl.LPI 5 no 1/2 130- [illegible]

[illegible] of the granulation shops [illegible] M L Varlamov and others. [illegible] 40 62-72 '62.

[illegible] formation of pentavalent neptunium [illegible] solutions by means of ion exchange. A.I. [illegible] V. F. Peretrushin. Radiokhimiia 6 no.2; [illegible] '64

[illegible] phosphates of the Academy of Sciences of the [illegible] S.S.R. as a source of P_2O_5 for plants. G. M. [illegible] Vest.sel'khoz.nauki [Kazakh.] 7 no.4 [illegible] '64.

[illegible] phosphate slags as phosphorus fertilizer. IU.P. [illegible] Biul.[illegible] ekon inform.Gos.nauch.-issl.inst. [illegible] inform 17 no.2 63-64 '64.

PHOSPHATIDES

[illegible] the rainbow [illegible] Dokl AN SSSR 156 no 5 1 [illegible]

[illegible] chemical properties of phospholipids. E.G. [illegible] Trudy Inst.fiziol.AN Gruz.SSR 13:191-208 '63

PHOSPHINE

[illegible] compounds of alkyl- and polyalkylchlorophos- [illegible] with aluminum chloride. Part 3: Production of complex compounds of trialkyldichlorophosphines with aluminum chloride and their reduction. S.Z.Ivin, K V. K[illegible], V V Lysenko. Zhur.ob khim 34 no.3: [illegible] '64.

Interaction of tetraethyllead with phosphorus trichloride or methyldichlorophosphine and oxygen. IU M.Zinov'ev, L Z Soborovskii. Zhur.ob.khim. 34 no.3:929-932 Mr '64.

PHOSPHINE SULFIDE

Effect of sarcolysine and the ThioTEPA on ascites tumors in mice and rats M A Presnov, A.T.Abbasov, E A Pestova Vop onk 8 no 11 36-45 '62.

PHOSPHINIC ACID

Breaking of the C - P bond in arylphosphinic acids by hydrolysis. G.F Bebikh, T.V.Frabova, V.K.Kushkov, Vest. Mosk. un. Ser. 2: Khim. 19 no.1:58-59 Ja-F '64.

Carbochain polymers and copolymers. Part 53. Polymerization kinetics of dimethyl ester of vinylphosphinic acid. G S.Kolesnikov, I.G Safaralieva, E F.Rodionova Vysokom.soed 6 no.4:615-619 Ap '64.

Polymerization and copolymerization of α-acetoxyvinylphosphinic acid esters. A.N.Pudovik, R.G.Kuzovleva. Vysokom.soed 6 no.4:737-740 Ap '64

Reactions of diene synthesis involving esters of α- and β-carbethoxyvinylphosphinic acid. A.N.Pudovik, R.G. Kuzovleva. Zhur.ob.khim 34 no.3:1031-1032 Mr '64.

Vinyl esters of phosphorus acids. Part 3: Chlorides of α-alkenyl esters of alkylphosphinic acids. IU.G. Gololobov, T.F.Dmitrieva, L.Z.Soborovskii. Zhur.ob. khim 34 no 3:866-869 Mr '64.

PHOSPHITES

Mono- and difluorophosphites. Zh.M.Ivanova. Zhur.ob. khim. 34 no.3:858-861 Mr '64.

PHOSPHOHEXOSE ISOMERASE

Methodology for determining the activity of serum phosphohexose isomerase (glucosophosphate isomerase). D.M.Braginskii. Lab.delo no.2:75-76 '64.

Microdetermination of phosphohexose isomerase (glucosophosphate isomerase) in the serum and the clinical significance of its examination in infectious hepatitis. L L.Gromashevskaia, E M Mironova Lab delo no 2:77-80 '64.

PHOSPHONIC ACID

Diphosphonic glycols, diphosphonic diamines and some of their reactions. A.N.Pudovik, G.I Evstaf'ev. Zhur.ob.khim. 34 no.3:890-892 Mr '64.

PHOSPHONIUM COMPOUNDS—OPTICAL PROPERTIES

Separation of asymmetrical phosphonium compounds into optical antipodes by means of an acid silver salt of levorotatory dibenzoyl tartaric acid. Gil'm Kamai, G.M.Usacheva Zhur.ob.khim. 34 no 3 785-790 Mr '64.

PHOSPHORAMIDIC ACID

Dichloromethylene amides of dialkyl phosphoric acids. P.I.Alimov, L.N.Levkova. Izv.AN SSSR.Ser.khim. no.5:932-933 My '64.

PHOSPHORIC ACID

Heterocycles. Part 35: Use of polyphosphoric acid for the synthesis of quinazolone compounds. P.A.Petiunin, IU.V.Kozhevnikov. Zhur.ob.khim 34 no 3 854-856 Mr '64.

PHOSPHORITES see subdivision under Gornaya Shoriya region (Kemerovo Province), Ukraine

PHOSPHORODITHIOIC ACID

Experimental basis for the permissible concentration of diethylphosphorodithioic acid and its potassium salt in bodies of water. L.N. Gabrilevskaia, V. P. Laskina, San. okhr. vod ot zagr. prom. stoch. vod. no. 5:201-218 '62

Experimental basis for the permissible concentration of dimethylphosphorodithioic acid in bodies of water. L N.Gabrilevskaia, V.P. Laskina. San. okhr. vod. ot zagr. prom. stoch. vod. no.5:187-200 '62.

Experimental basis for the permissible concentration of the potassium salt of diisopropylphosphorodithioic acid. L. N.Gabrilevskaia, V.P. Laskina. San. okhr. vod. ot zagr. prom. stoch. vod no. 5.219-232 '62.

Reactions of addition of alkyleneglycolophosphorous and phosphorothioic acids. A.N.Pudovik, G A.Golitsyna. Zhur.ob.khim. 34 no.3:876-881 Mr '64.

Sayfos against aphids. V.I.Derlabin. Zashch.rast.ot vred.i bol. 9 no.2:29 '64.

Synthesis of polyalkylene glycol dithiophosphates and some of their addition reactions. A.N.Pudovik, R.A. Cherkasov. Vysokom soed. 6 no.4:741-744 Ap '64.

PHOSPHOROUS ACID

Mutual strengthening (synergism) of antioxidants Part 4: Increased effectiveness in mixtures containing esters of pyrocatecholphosphorous acid. P.I.Levin, T.A. Bulgakova. Vysokom soed. 6 no.4:700-705 Ap '64.

Reactions of addition of alkyleneglycolophosphorous and phosphorothioic acids. A.N.Pudovik, G.A.Golitsyna. Zhur.ob.khim. 34 no.3:876-881 Mr '64.

Synthesis of esters of β-naphthylphosphorous acid. P.A. Kirpichnikov, IA.A.Gurvich, M.V.Ivanova. Zhur.ob. khim. 34 no.3:856-857 Mr '64.

PHOSPHORUS

Equilibrium vapor pressure of phosphorus at the melting point of indium phosphide. A.IA.Nashel'skii, V.Z. Ostrovskaia, S.V.IAkobson. Zhur.fiz.khim. 38 no.4: 891-895 Ap '64.

Importance of temperature on the phosphorus intake by plants. M.M.Gukova. Dokl.TSKHA no 84:188-192 '63.

Structure of P_4O and red phosphorus. A.I.Soklakov, V.V.Ilarionov. Zhur.strukt.khim. 5 no.2:242-245 Mr-Ap '64.

PHOSPHORUS—ABSORPTION SPECTRA

L_{III}-absorption spectra of antimony and K-absorption spectra of phosphorus in AIIIBV type binary semiconducting compounds. A.N.Gusatinskii, S.A.Nemnonov. Izv.AN SSSR.Ser.fiz. 28 no.5 922-933 My '64.

PHOSPHORUS ACIDS

Mechanism of reactions of phosphorus acid chlorides with oxides of alkenes and dienes. A.N Pudovik, [illegible] Faizullin. Zhur.ob.khim. 34 no.3:[illegible] Mr '64.

PHOSPHORUS CHLORIDES

Interaction of tetraethyllead with phosphorus trichloride or methyldichlorophosphine and oxygen. IU.M.Zinov'ev, L.Z.Soborovskii. Zhur.ob.khim. 34 no.3:929-932 Mr '64.

PHOSPHORUS IN THE BODY

Changes in inorganic and lipoid phosphorus of the [illegible] under the action of pain and conditioned pain stimulation. Z.S.Cherkesian. Izv.AN Arm.SSR.Biol.nauki 16 no.5 31-36 My '63.

PHOSPHORUS ISOTOPES

Effect of some radioactive phosphorus doses on [illegible] poietic processes under normal conditions and in experimental anemia in rabbits. A.S Nikitina-[illegible] kaia. Pratsi Od.un.Zbir.stud.rob. 146 no.4:[illegible] '56.

Methodology for studying permeability of erythrocytes to P^{32} in patients with various hematologic [illegible] V.V.Shishkina. Med.rad. 8 no.10:[illegible]

PHOSPHORUS ISOTOPES—THERAPEUTIC USE

Late results of radioactive phosphorus therapy of [illegible] and neurodermatitis (with summary in English) [illegible] Gadzhiev Vest derm.i ven. 37 no 9 30 [illegible]

PHOSPHORUS METABOLISM

Effect of 2,4-D and 2,4,5-T derivatives on the accumulation of acids and other phosphorus compounds in [illegible] bean leaf blades. IU.V.Perumnskii. Vest.sel'khoz. nauki [Kazakh.] 7 no.1 72-76 Ap '64.

PHOSPHORUS ORGANIC COMPOUNDS

Phosphorus-containing polymers based on polyamide phosphinites and phosphites. K.A.Petrov and others. Plast.massy no 1:20-23 '64.

Phosphorus-containing polymers. Part 12: Synthesis of polymeric analogs of phosphorus-containing [illegible] K.A.Petrov and others. Vysokom.soed. 6 no.[illegible] 933 My '64.

Polymers with inorganic principal molecule chains. Synthesis of polyorganophosphoaluminoxanes. A. A. Zhdanov and others. Vysokom.soed. 6 no.5:[illegible] My '64.

PHOSPHORUS ORGANIC COMPOUNDS—TOXICOLOGY

Testing phosphorus organic systemic preparations for the protection of grapevines against spider mites. [illegible] Slonovskii. Izv.Mold.fil.AN SSSR no.3:70-83 '63

PHOSPHORUS OXIDES

Aromatic hydrocarbons. Part 20: Stereoisomeric tetrahydrophthalic acids and their anhydrides in the reaction with phosphorus pentoxide. V.R.Skvarchenko, T.S.Sukhareva, R.IA.Levina. Zhur.ob.khim. 34 no.3:752-760 Mr '64.

Structure of P_4O and red phosphorus. A.I.Soklakov, V.V.Ilarionov. Zhur.strukt.khim. 5 no.2:242-245 Mr-Ap '64.

PHOSPHORYLATION

Some qualitative characteristics of energy metabolism in the cells of Ehrlich ascites carcinoma. M.F. Sitanitskaia, I.F.Seits. Vop.med.khim. 9 no.1:15-21 Ja-F '63.

PHOSPHOTUNGSTIC ACIDS

Structure of cellulose treated with phosphotungstic acid. E.M.Belavtseva, IU.M.Petrov, D.IA.TSvankin. Vysokom.soed. 6 no.4:684-690 Ap '64.

PHOTOCHEMISTRY

Photocatalysis and surface properties. A.V.Pamfilov, IA.S.Mazurkevich. Ukr.khim.zhur. 30 no.1:41-48 '64.

Photochemical hydrolysis of potassium octocyanotungstate. K.N.Mikhalevich, V.M.Litvinchuk. Dokl.LPI 5 no.1/2:127-129 '63.

PHOTOCONDUCTIVITY

Attachment levels in organic photoconductors. V.A. Benderskii and others. Dokl.AN SSSR 156 no.4: 897-900 Je '64.

Dependence of steady-state impurity photoconductivity and current carrier lifetime from the Fermi level in a semiconductor. L.G.Paritskii. Fiz.tver.tela 6 no.4:1096-1090 Ap '64.

Jump photoconductivity and impurity recombination. V.P.Dobrego, S.M.Ryvkin. Fiz.tver.tela 6 no.4: 1203-1207 Ap '64.

X-ray induced photoconductivity of polychlorotrifluoroethylene. F.F.Kodzhespirov, F.I.Kolomoitsev, A. IA. IAkunin. Izv.vys.ucheb.zav.; fiz. no.2:142-146 '64.

PHOTOELASTICITY

Photoelasticity of thick-walled vessels with plane bottoms. T.D.Maksutova. Issl.po uprug.i plast. no.3:208-224 '64.

PHOTOELECTRIC MEASUREMENTS

Photoelectric device for measuring the degree of polarization of luminescence. V N Vishnevskii, A N Shitistyi. Prib i tekh. eksp 8 no 6 154-155 N-D '63

Photoelectric proportioning device. A. I. Angeli. Priborostroenie no. 3:12-13 Mr '64.

Photoelectric scanning method for measuring the Doppler shift of a spectral line. E M Drobyshevskii. Prib i tekh eksp 8 no 6 145-149 N-D '63

PHOTOELECTRIC MULTIPLIERS

Efficiency of secondary-electron multipliers with Au, LiF, MgF_2, SrF_2, BeO, KCl, and CsI photocathodes within the wavelength range 23.6 - 113Å. A. P Lukirskii and others. Izv. AN SSSR, Ser fiz. 28 no. 5: 866-871 My '64

Secondary-electron multiplier VEU-OT-8M. Prib i tekh eksp 8 no 6 196 N-D '63

PHOTOELECTRICITY

Polarization selectivity of an oxygen-cesium photocathode. V P Zielov. Prib i tekh eksp 8 no. 6 183 N-D '63

PHOTOGRAPHIC EMULSIONS

Artificial aging of fine-grained photographic layers of low sensitivity. V. B. Limonova, L. V. Matveeva. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:167-170 '56.

PHOTOGRAPHY—HANDBOOKS, MANUALS, ETC.

Graule, B. E. [Hints to the amateur photographer] Sovety fotoliubiteliu. [Leningrad] Lenizdat, 1963. 78 p.

Mikulin, V. P. [25 lessons in photography; practical manual] 25 urokov fotografii; prakticheskoe rukovodstvo. 11. izd. Moskva, Iskusstvo, 1963. 480 p.

PHOTOGRAPHY—INDUSTRIAL APPLICATIONS

Solution of certain problems in perspective on an inclined plane. B. V. Shokal'skii. Trudy IPI no. 10 198-203 '63.

PHOTOGRAPHY, ARTISTIC

Morozov, S. A. [The art of seeing, accounts from the history of photography the world over] Iskusstvo videt', ocherki iz istorii fotografii stran mira. Moskva, Iskusstvo, 1963. 270 p. illus.

PHOTOGRAPHY, BIOLOGICAL

Photodiagraph and its use in morphological investigations. A I. Averahin. Trudy AZVI 12 593-596 '61

PHOTOGRAPHY IN NUCLEAR PHYSICS

Dependence of proton path lengths on the energy in an NIKFI-IA2 emulsion. I. Khauzer. Prib. i tekh. eksp 8 no. 6:158-160 N-D '63.

Multiple scattering of 10. 8 Bev./c protons in a nuclear emulsion. K. V. Shimapov and others. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no. 2:94-101 '63

Semiautomatic device for processing bubble chamber stereophotographs. I. M. Barkov and others. Prib. i tekh. eksp. 8 no 6:48-52 N-D '63.

Study of ion drifting in a Wilson chamber using a spark chamber. IU A Eremenko and others. Prib. i tekh eksp 8 no 6:46-47 N-D '63

PHOTOGRAPHY OF PLANTS

At the boundary of the unkown. I. Belov. Izobr. i rats. no. 6:23-26 '64.

PHOTOMETRY

Origin and development of photometric methods of analysis. M. G. TSimupa, V. M. Peshkova. Vest. Mosk. un. Ser. 2: Khim. 19 no. 1:60-64 Ja-F '64.

PHOTOMICROGRAPHY

Morphological characteristics of large and giant caverns in pulmonary tuberculosis; resection data. IA. V. Kakitelashvili, M. M Averbakh. Khirurgiia 39 no 8:11-16 Ag '63.

PHOTONS—SPECTRA

Energy spectrum and the total number of X-ray photons in extensive cosmic ray air showers. G. A. Bazilevskaia, A. F. Krasotkin, A. N. Charakhch'ian. Zhur. eksp. i teor. fiz. 46 no. 5:1556-1560 My '64.

PHOTONUCLEAR REACTIONS

Use of the bremsstrahlung from beta-preparations in the excitation of photonuclear reactions. I. N. Plaksin, N. G. Malysheva, L. P. Starchik. Dokl. AN SSSR 156 no. 4:804-805 Je '64.

PHOTOPERIODISM

(see also subdivision under Arctic regions)

Effect of diurnal rhythms of light and temperature on the formation of diapause in lepidopterons (Lepidoptera). N. I Goryshin. Ent. oboz. 43 no. 1:86-93 '64.

Localized effect of photoperiods on the leaves of common onion and the formation of bulbs. F. E. Reimers, M. A. Pushkareva. Trudy Vost.-Sib. fil. AN SSSR no. 35:33-42 '62.

Photoperiodism and internal factors of the flowering of plants. M. Kh. Chailakhian. Dokl. AN Arm. SSR 38 no. 5:300-313 '64.

PHOTOSYNTHESIS

Analysis of two methods for measuring the intensity of photosynthesis of Chlorella. E. A. Ivanov, I. V. Aleksandrova. Probl. kosm. biol. 3:415-427 '64

Automated device for studying the relationship between the photosynthesis of higher plants and mineral nutrition. V. G. Chuchkin, V I Rozhdestvenskii. Probl kosm biol. 3:177-186 '64.

Effect of saturation irrigation and mineral nutrition on photosynthesis and the movement of assimilates in white mulberry under the arid conditions of the Apsheron Peninsula. B. Z Guseinov, Sh G. Nadzhafov. Izv AN Azerb. SSR. Ser. biol i med nauk no 2:3-8 '62.

Intensity of photosynthesis in diploid and tetraploid buckwheat. IE. A. Zhiebiak. Vestsi AN BSSR Ser. biial nav no. 1:81-86 '64

Possibility of extrastomatal photosynthesis in an apple tree. B. L. Dorokhov. Dokl. AN SSSR 156 no 4:954-956 Je '64

PHTHALIC ACID

Aromatic hydrocarbons. Part 29: Stereoisomeric tetrahydrophthalic acids and their anhydrides in the reaction with phosphorus pentoxide. V. R Skvarchenko, T. S. Sukhareva, R. IA. Levina. Zhur ob khim 34 no. 3:752-760 Mr '61.

PHTHALIC ANHYDRIDE

Production of phthalic anhydride by diphase oxidation of bicyclic hydrocarbons of catalytic gas oil. A. Kh. Sharipov, M. G. Imaev. Izv. vys. ucheb. zav., neft' i gaz 6 no. 8:57-60 '63

PHTHALIDE

Synthesis of derivatives of benzyl-o-carboxylic acid. L. P. Zalukaev, D. G. Vnenkovskaia. Zhur. ob. khim. 34 no. 3:838-840 Mr '64.

PHTHALOCYANINES

Mechanism of dissociation of metal phthalocyanines. B. D. Berezin. Zhur. fiz. khim. 38 no. 4:850-857 Ap '64.

Polymers with a conjugation system. Part 1: Synthesis and study of the electrophysical properties of polymeric phthalocyanines. A. A. Berlin and others. Vysokom. soed. 6 no. 5:832-837 My '64.

PHYSALOPTERIDAE

Skriabin, K. I., and A. A. Sobolev. [Spiruridae of animals and man and the diseases caused by them] Spiruraty zhivotnykh i cheloveka i vyzyvaemye imi zabolevaniia. Moskva, Izd-vo "Nauka."
  Pt. 2. [Physalopteroidea] Fizalopteroidei. 1964. 333 p. (Akademiia nauk SSSR. Gel'mintologicheskaia laboratoriia. Osnovy nematodologii, vol 12)

PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Moscow; Ukraine; United States; Vietnam, North)

Facing the summer. N. A. Kraevskii. Sred. spets. obr. 11 no. 5:15-17 My '64.

Filin, V. P., ed. [Establishing training loads] Normirovanie trenirovochnykh nagruzok. Moskva, Fizkul'tura i sport, 1964. 278 p. (Problemy iunosheskogo sporta)

Matveev, L. P. [The problem of the periodic division of sports training] Problema periodizatsii sportivnoi trenirovki. Moskva, Fizkul'tura i sport, 1964. 246 p.

Trahtman, J. [The way to health] Teel tervisele. Tartu, Vabariiklik Sanitaarhariduse Maja, 1964. 133 p. [In Estonian]

Zhuravlev, E. P. [Everyday gymnastics for men] Ezhednevnaia gimnastika dlia muzhchin. 8., perer. i dop. izd. Moskva, Fizkul'tura i sport," 1964. 97 p (Gimnastika dlia vsekh)

PHYSICAL EDUCATION AND TRAINING, MILITARY

An artilleryman needs strength and endurance. I. Vaseiko. Voen. vest. 44 no. 6:71-72 Je '64.

PHYSICAL EDUCATION FOR CHILDREN

Borisov, E. V. [How to become strong] Kak stat' sil'nym. Moskva, "Fizkul'tura i sport," 1964. 67 p. (Sport - detiam)

Ernesaks, Stella. [Physical exercises for children under school age] Kehalised harjutused eelkoolieas. Tallinn, Eesti Riiklik Kirjastus, 1964. 216 p. illus. (insert) [In Estonian]

Let's pay more attention to the physical education classes. L. IA. Poliakov, M. Stankin. Nach. shkola 32 no. 5:21-25 My '64.

On the lot. R. Rudnik. Doshk. vosp. 37 no. 5:45-46 My '64.

Semichev, A. S. [Physical education medal] Fizkul'turnyi orden. Moskva, "Fizkul'tura i sport," 1964. 46 p. (Sport - detiam)

PHYSICAL GEOGRAPHY

(see also subdivision under East European Plain; Kopetdag Range region; Russia, Southern; Severnaya Zemlya; Siberia; South Ossetian Autonomous Province; Soviet Far East; Tedzhen Valley, Turkmenistan)

Geological and geomorphological observations and opinions of G. I. Tanfil'ev. I. IA. IAtsko. Trudy Od. un. 152. Ser. geol. i geog. nauk no. 9:160-162 '62.

Physicogeographical zoning of the U.S.S.R., principles, methods, and the classification system. N. A Gvozdetskii. Trudy Od un. 152 Ser geol i geog. nauk no. 9 21-29 '62

PHYSICAL INSTRUMENTS see subdivision under Frunze

PHYSICAL LABORATORIES—FURNITURE, EQUIPMENT, ETC.

"Step-2" laboratory desk. I I German. Sred spets obr 11 no 1 62 Ap '61

PHYSICAL METALLURGY—EQUIPMENT AND SUPPLIES

From the Exhibition of Achievements of the National Economy. G. U. Dashevskaia. Metalloved. i term. obr. met. no. 5:58-62 My '64.

PHYSICIANS

Politically active Russian physicians as characterized by the Secret Political Police Department. P. E. Zabludovskii, IU. A. Kazanskaia. Trudy Perm. gos. med. inst. 43:193-198 '63.

PHYSICS

(see also subdivision under Yakhroma Valley)

Grabovskii, R. I. [Physics course for agricultural institutes] Kurs fiziki dlia sel'skokhoziaistvennykh institutov. Moskva, Vysshaia shkola, 1963. 525 p.

[Physics: near and far; problems, on the roads of science, applications, hypotheses] Fizika blizkoe i dalekoe, problemy, na stykakh nauk, primeneniia gipotezy. Moskva, Izd-vo "Znanie," 1963. 515 p.

Sobolev, L. V. [Short textbook on physics for students entering schools of higher learning] Kratkoe posobie po fizike dlia postupaiushchikh v vuzy. [Moskva] Izd-vo Mosk. univ., 1964. 359 p.

Spasskii, B. I. [History of physics] Istoriia fiziki. [Moskva] Izd-vo Mosk. univ.
  Pt. 2 1964. 299 p.

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 6 Je '64.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Ninth International Conference on High-energy Physics. I M. Gramenitskii, V. M. Maksimenko, A. I. Mukhin. Usp. fiz. nauk 83 no. 1 183-190 My '64.

PHYSICS—GRAPHIC METHODS

[Physics in graphs] Fizika v grafikakh. [By] M. S. TSedrik i dr. Minsk, Vysshaia shkola, 1964. 258 p.

PHYSICS—LABORATORY MANUALS

Gol'din, L. L., and others, comps. [Laboratory manual on physics] Rukovodstvo k laboratornym zaniatiiam po fizike. Pod red. L. L. Gol'dina. Moskva, Izd-vo "Nauka," 1964. 579 p.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Volokhov, A. N., and others. [Problems in physics with examples of their solution and reference materials] Zadachnik po fizike s primerami resheniia zadach i spravochnymi materialami. Pod red. A. G Chertova [Petrozavodsk] Rosvuzizdat, 1963. 399 p

PHYSICS—RESEARCH see subdivision under Ukraine

PHYSIOLOGICAL APPARATUS

Bridge circuits for electric recording of blood pressure, respiration, and muscular contraction. K. Sh. Nadareishvili, O. I. Saneblidze. Trudy Inst. fiziol. AN Gruz SSR 13:249-252 '63

Complex of devices for correlative analysis of physiological processes. L. N. Mishin. Nov. med tekh. no. 5:3-22 '61.

Device for continuous recording of arterial pressure by an indirect method. A. A. Eman. Nov. med. tekh. no. 5:58-60 '61

Multichannel combined stimulator for physiological research. K. Sh. Nadareishvili. Trudy Inst. fiziol. AN Gruz. SSR 13:253-258 '63.

Temporary synchronization during the stimulation of cardiac activity. A. M. L'vov. Nov. med. tekh. no. 5:68-71 '61.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY

Akademiia nauk Moldavskoi SSR. Institut zoologii. [Papers on neurophysiology] Sbornik po neirofiziologii. Kishinev, Kartia Moldoveniaske, 1963 99 p.

mician L. A. Orbeli] Evoliutsiia funktsii, fiziologicheskie, biokhimicheskie i strukturnye osnovy evoliutsii funktsii. Sbornik posviashchennyi 80-letiiu akademika L. A. Orbeli. Moskva, Izd-vo "Nauka," 1964. 290 p.

Results and prospects for the use of some methodologies for physiological research in a psychiatric clinic. N. P. Tatarenko, A. E. Liberman. Zhur. vys. nerv. deiat. 14 no. 2,351-357 Mr-Ap '64.

PHYTOGEOGRAPHY see subdivision under Badkhyz Steppe, Caspian Sea region, Georgia

PHYTONCIDES

[illegible] of medicinal plants. N. A. [illegible] Farmatsev. zhur. 14 [illegible]

[illegible] of the leaves of some plants on [illegible] L. N. Savchuk. [illegible] 140 no.4 103-104 '56.

[illegible] substances from the St.-John's-wort [illegible] N. A. Derebentseva, [illegible] I. Zelepukha. Farmatsev. zhur. [illegible] '60.

PHYTOPLANKTON see subdivision under Adriatic Sea, Aegean Sea, Azov, Sea of, Black Sea, Khrami Reservoir

PIA MATER—INNERVATION

[illegible] of the nutritive reactions of pial arteries supplying blood to the cortex of cerebral [illegible] G. I. Mchedlishvili, L. S. Nikolaishvili. [illegible] 156 no.4:968-971 Je '64

PIANO

[illegible] craftsmanship. Gr. Ginzburg. Sov muz 27 no.12:[illegible]-76 D '63

PIANO—COMPETITIONS see subdivision under Leeds, England

PICCINATO, ARMANDO, 1910-

[illegible] to Piccinato's creative development. V Gorlainov. Iskusstvo 27 no 4 51-54 Ap '64

PIERS—ELECTRIC EQUIPMENT

Concerning I. A. Kirpichnikov and M. I. Kharif's article "Experience in using bus conductors in electrical networks of sea harbor piers." N. P. Kurdiumov, V. I. [illegible] Prom. energ. 19 no 5 58-59 My '64.

PIEZOELECTRICITY

Piezoelectric effect in ferroelectric ceramics under hydrostatic pressure. O.K.Zhukov. Izv.vys.ucheb. zav.; fiz. no.2:65-68 '64.

PIGMENTS

Effect of illumination and temperature on pigment formation in Dunaliella salina [with summary in English]. E.S.Mil'ko. Mikrobiologiia 32 no.4:590-597 Jl-Ag '63.

PIGULEVSKAIA, NINA VIKTOROVNA, 1894-

Seventieth birthday of N.V.Pigulevskaia, corresponding member of the Academy of Sciences of the U.S.S.R. Vest.drev.ist. no.1:221-222 '64.

PIKE PERCH see subdivision under Don River

PILING (CIVIL ENGINEERING)

Sokolov, N. M., and E. V. Svetinskii. [Pile operations] Svainye raboty. Moskva, Stroiizdat, 1964. 227 p. (Seriia posobii po povysheniiu masterstva stroitelei)

Using a pipe leader in the construction of pile foundations of supports for overhead contact systems. A.A.Orel. Transp.stroi. 14 no.3:11-13 Mr '64.

PILLS

Studying the structural and mechanical properties of pill masses. A.Sh. Khamzina. Farmatsev.zhur. 15 no.5 35-43 '60.

PILOT BALLOONS see Balloons, Pilot

PINE

Ascorbic acid content of needles of prickly pine and Greek fir during the fall and winter period. I.V.Areshidze, Zh.L. Podrazhanskaia. Pratsi Od.un.Zbir.stud.rob. 146 no.4:91-92 '56.

PINE—DISEASES AND PESTS see subdivision under Kazakhstan

PINE, FOSSIL see subdivision under Moldavia

PINENE

Experimental basis for the permissible concentration of polychloropinene in bodies of water. G.N.Krasovskii, S S. Spasskii. San. okhr. vod. ot zagr. prom. stoch. vod. no. 5:167-186 '62.

PINK SALMON see subdivision under Kola Peninsula; Murmansk Province

PINNIPEDIA

Akademiia nauk SSSR. Institut morfologii zhivotnykh. [Morphological characteristics of aquatic mammals] Morfologicheskie osobennosti vodnykh mlekopitaiushchikh. Moskva, Izd-vo "Nauka," 1964. 126 p.

PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Latvia)

Friendship's ways. V.TSepelev. Bibliotekar' no.6: 20-22 Je '64.

Pioneer festival. Nach. shkola 32 no.5:9-11 My '64.

Pioneers are greeted with a resounding joy. Sov. profsoiuzy 20 no.9:14-15 My '64.

[Pioneers in the vanguard of athletes in school] Pionieri-fizkulturiesu avangards skola] Riga, Latvijas Valsts izd-ba, 1963. 324 p. [In Latvian]

Simorovich, I. Z. [Pioneer, you can learn to be a shipbuilder] Pioner - sudostroitel'. Moskva, Izd-vo "Detskaia literatura," 1964. 140 p. (Shkol'naia biblioteka. Bibliotechka pionera "Znai i umei")

Working with Junior Pioneers in camp V V Shunin Nach shkola 32 no 6 68-70 Je '64

PIONEERS (COMMUNIST YOUTH)—PERIODICALS

Fortieth anniversary of "Vozhatyi." Nach shkola 32 no 6 67 Je '64

PIONEERS (COMMUNIST YOUTH)—SONGS AND MUSIC

Gol'denshtein, M. L. [Sketches from the history of the pioneer song] Ocherki iz istorii pionerskoi pesni. Leningrad, Sovetskii kompozitor, 1963. 95 p.

PIPE

Gypsum cement and fiber pipes for heating and ventilating systems. G S. Kogan, V. P. Sheglova, V. A. Berkovich. Stroi. mat 10 no 3.28-29 Mr '64.

PIPE—CLEANING

Cleaning lined mine drainage pipes in the Karabash mines. A. I. Borokhovich. Gor. zhur no. 11:64-65 N '63.

PIPE—HYDRODYNAMICS

Hydraulic resistance of evenly bent pipes. IU. V. Kvitkovskii. Trudy MIIT no 176 61-63 '63.

PIPE—WELDING

Electrically welded pipes used in place of seamless pipes for petroleum refineries and petrochemical plants. V.G. D'iakov, I.A. Levin, Kh. I. Cheskis. Mash. i neft. obor. no. 4.16-17 '64.

PIPE, PLASTIC

(see also subdivision under United States)

Hydraulic resistance of vinyl plastic pipes. K. I. Tolcheev. Trudy MIIT no 176 59-60 '63.

Loginov, V. S. [Gas pipelines made of vinyl plastics; installation and operation] Viniplastovye gazoprovody; opyt montazha i ekspluatatsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 50 p.

Plastic underground gas pipelines. A. I. Aleksandrovich. Gaz. prom 9 no 5:18-22 '64

Self-propelled equipment for continuous production of glass-reinforced plastic pipes and their placement in trenches. K.L.Kalitenko, D.P.Segeev. Stroi.i dor. mash. 9 no.3:4-5 Mr '64.

PIPE, STEEL

Mechanical properties of tempered steels for the pipes of pipelines. L. A. Rubenkova, E. A. Sonkin. Trudy MINKhiGP 46.207-212 '64.

Pipes made from Kh2ZN18 steel in pyrolysis furnaces for hydrocarbon gases. Kh. I. Cheskis. Mash. i neft. obor. no. 5:22-26 '64.

PIPE, STEEL—CORROSION

Using glass-reinforced plastic for protecting carbon steel pipes from exterior corrosion E. V. Makarov Mont i spets. rab. v stroi. 26 no. 5 11-13 My '64

PIPE, STEEL—DESIGN AND CONSTRUCTION

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2. Sec. G., ch. 14. [Industrial steel pipelines subject to pressure up to 100 kGs/sm^2 inclusively; design specifications] Tekhnologicheskie stal'nye truboprovody s uslovnym davleniem do 100 kGc/cm^2 vkliuchitel'no; normy proektirovaniia (SNiP II-G. 14-62). 1963. 16 p.

PIPE, STEEL—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Electrically welded steel pipes (State Standard 10704-63—State Standard 10717-63)] Truby stal'nye elektrosvarnye (GOST 10704-63—GOST 10707-63). Izd. ofitsial'noe. Moskva, 1964. 19 p. (SSSR. Gosudarstvennye standarty)

PIPE, STEEL—TESTING

Testing of superheater tubes from 12Kh1MF steel under long-term vibration loads A. V. Ratner, L. I. Kripp, S. I Khramov Elek stat 35 no. 1 33-37 Ja '64

PIPE, TITANIUM—WELDING

Tret'iakov, F. E., R. F. Golovkin, and V. IA. Gol'berg. [Making welded pipes of titanium and its alloys] Proizvodstvo svarnykh trub iz titana i ego splavov. Moskva, Izd-vo "Metallurgiia," 1964. 53 p.

PIPE MILLS see subdivision under Cheliabinsk

PIPE MILLS—EQUIPMENT AND SUPPLIES

Automatic pipe cutter. M. P. Postovalov. Mont i spets. rab v stroi. 26 no. 5:24-25 My '64.

PIPELAYING MACHINERY

Crane-pipelayers in foreign countries. IU. A. Dudoladov. Stroi. i dor. mash. 9 no. 5.24-26 My '64.

Equipment used in horizontal boring for trenchless [illegible] of pipes and casings. G. E Lavzov Mont i spets. rab. v stroi 26 no 5:18-21 My '64

Self-propelled equipment for continuous production of glass-reinforced plastic pipes and their placement in trenches. K.L.Kalitenko, D.P.Segeev. Stroi. i dor. mash. 9 no.3:4-5 Mr '64.

PIPELINES

Determining the temperature field of the ground around a pipeline in the process of cooling P. I. Tugunov, V. S. IAblonskii Neft khoz. 41 no 6 51-53 [illegible]

Effect of the depth of underground pipes on their [illegible] resistance and ways for reducing the depth [illegible] dov Izv AN Uz SSR Ser tekh nauk 7 no 6 [illegible]

Gal'perin, A. I. [Construction and assembly machines and mechanisms for building gas and petroleum pipelines] Montazhno-stroitel'nye mashiny i mekhanizmy dlia sooruzheniia magistral'nykh gazonefteprovodov. Moskva, Nedra, 1964. 350 p.

Khamarmer, V. I. [Technical supervision of the construction of pipelines] Tekhnicheskii nadzor na stroitel'stve magistral'nykh truboprovodov. Leningrad, Izd-vo "Nedra," 1964. 100 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

Simplified methods for evaluating and calculating the compensating capacity of pipelines E. M. Zaikind [illegible] sta 35 no 3 28-32 Mr '64

Vibroshock unit for horizontal drilling. D. D. [illegible], N. IA. Kershenbaum, V. I. Minaev. Trudy MINKhiGP 46:34-45 '64.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 6 Je '64.

PIPELINES—CATHODIC PROTECTION

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Protecting pipelines from corrosion] Zashchita truboprovodov ot korrozii. Moskva, 1963. 119 p. (Perevody No. 13-10/623 k.)
[MICROFILM]

PIPELINES—CORROSION

Corrosion protection of pipes. V. S. Salukvadze. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 5:6-8 My '64.

PIPERAZINE

Synthesis of thiourea derivatives. Part 3: Piperazinyl-thiocarbanilides and arylthiocarbamylpiperazines. N.B.Galstukhova, M.N.Shchukina. Zhur.ob.khim. 34 no.3:989-992 Mr '64.

PIPERIDONE

Heterocyclic compounds. Part 1: Interaction of γ-piperidones with organolithium compounds. A. Sh. Sharifkanov, T. M. Mukhametkaliev, N. A. Gafarova. Zhur. ob. khim. 34 no.3:843-847 Mr '64.

Polarographic study of some derivatives of γ-piperidones. S. G. Mairanovskii, D. I. Dzhaparidze, O. I. Sorokin. Izv. AN SSSR. Ser. khim. no.5:706-709 My '64.

PIPERYLENE

Studies in radiation polymerization. Part 3: Radiation polymerization of piperylene in the channel complexes of urea. V. S. Ivanov and others. Vysokom. soed. 6 no. 5:782-786 My '64.

PIPSISSEWA see subdivision under Crimea

PISAREV, VIKTOR EVGRAFOVICH, 1906-

Scientist and plant breeder; V. E. Pisarev. P. E. Mal'nich. Vest. sel'khoz. nauki 8 no. 9:153-155 S '63.

PISKAREV, NIKOLAI IVANOVICH

N. Piskarev's book illustrations. N. Aleksandrova. Iskusstvo 27 no. 4:40-46 Ap '64.

PISKUNOV, MIKHAIL STEPANOVICH

Meeting with tank builders. A. Vlasov. Voen. vest. 43 no. 5:16 My '64.

PISTON RINGS

Manufacturing cermet piston rings. G. S. Proniakov, N. V. Nikitina. Vest. mashinostr. 44 no. 5:42-45 My '64.

PITUITARY BODY

Functional state of the pituitary-adrenal system in chronic gastritis with gastric secretory hypofunction. L. P. Grokhovskii. Vest. AMN SSSR 18 no. 10:55-60 '63.

Seasonal changes in the neurosecretion of the hypothalamus and the hypophyseal activity in Peking ducks. IE. O. Moshkov, L. S. Feliks. Dop. AN URSR no. 5:674-677 '64.

PITUITARY BODY—BLOOD SUPPLY

Intraorgan blood vessels of human hypophysis in the functional aspect [with summary in English]. D. A. Zhdanov, M. R. Sapin. Arkh. anat. gist. i embr. 43 no. 10:3-12 O '62.

PITUITARY BODY—TUMORS

A case of a chronic encephalitis with brain atrophy and adenoma of the anterior lobe of the pituitary body in a bull. A Murzamadiev Trudy AZVI 12 408-120 '58

PLACENTA

Hemochorial type of placenta in dogs Z P Zhemkova Arkh anat , gist i embr 44 no 4 61-72 Ap '63

PLACENTAL EXTRACTS

Ineffectiveness of the aldolase test as a method for selection of placental sera in the preparation of gamma globulin. D.F. Zibitsker, M.G. Milikova Zhur, mikrobiol., epid i immun. 40 no, 5:1-3-126 My '63

PLAGUE
(see also subdivision under Caspian Sea region)

Comparative evaluation of the action of novoembichin, histamine and egg yolk on the development of experimental plague. V.N. Zilfian, A V. Noramurian. Zhur. mikrobiol., epid. i immun. 40 no, 5:77-83 My '63.

Fate of plague bacteriophage in the organism of healthy and plague-infected greater gerbils and the possible passage of its transmission under experimental conditions. I. L. Martinevskii and others Zhur , mikrobiol., epid. i immun, 40 no, 5:31-34 My '63.

Fiftieth anniversary of the discovery of the role of camels in the epidemiology of plague. K. Z. Levtova, S. N. Klodnitskaia. Zhur , mikrobiol., epid. i immun, 40 no. 5 154-156 My '63.

New flea conserving liquid for plague tests, preliminary report V E Tiflov, N. E. Gubina Mat k pozn fauny i flory SSSR, Otd. zool. no 39 199-204 '64

Serological study in plague. Report No. 8: Sensitivity and specificity of the antibody neutralization reaction in plague and tularemia. M. I. Levi and others. Zhur. mikrobiol., epid. i immun. 40 no. 5 65-68 My '63.

PLAGUE—MICROBIOLOGY

Differentiation between Pasteurella pestis and P. pseudotuberculosis in rodents. R. Kh. IAfaev, Zhur , mikrobiol., epid. i immun. 40 no, 5:23-26 y '63.

Effect of iron on the virulence and immunogenicity of avirulent strains of Pasteurella pestis, L. A. Avanian, N. E. Gubina, V. F. Ivanova. Zhur , mikrobiol., epid. i immun. 40 no. 5:17-23 My '63.

PLAGUE—PREVENTIVE INOCULATION

Duration of immunity in following simultaneous epidermic skin vaccination against plague, tularemia and brucellosis. S. L. Borod'ko, L. G. Samsonovich. Zhur, mikrobiol., epid. i immun. 40 no. 10:70-75 O '63.

Experimental study of epicutaneous live trivaccine from plague strains I'B and 1,17, Brucella strain 104-M, tularemia no. 15 Gaiskii restored strain and a selection of optimum antigen doses in it. V. G. Pilipenko, M. A. Miroshnichenko, A. M. Poliakova. Zhur. mikrobiol., epid. i immun. 40 no. 5.35-41 My '63.

From the diary of a physician infected with experimental plague. V. P. Smirnov. Zhur. mikrobiol., epid. i immun. 40 no. 5.66-72 My '63.

PLANETS

Teifel', V. G. [Giant planets] Planety-giganty. Moskva, Izd-vo "Nauka," 1964. 84 p. (Populiarnye lektsii po astronomii, no. 13)

PLANETS—ATMOSPHERE

Morozhenko, O. V., and E. H. IAnovyts'kyi. [Tables for calculating the radiation intensity of planetary atmospheres] Tablytsi dlia rozrakhunku intensyvnostei vyprominiuvannia atmosfer planet. Kyiv, "Naukova dumka," 1964. 143 p.

PLANKTON see subdivision under Adriatic Sea

PLANT BREEDING

Aid to breeders and seed growers. M Kompaneets. Vest sel'khoz. nauki 9 no 5:112-114 My '64.

PLANT CELLS AND TISSUES

Effect of gamma irradiation of seeds on the extracts of cellular structures of sugar beet leaves. P. A. Vlasiuk, O. D. Kolomiiets', L. P. Vitkalenko. Dop. AN URSR no. 5:678-682 '64.

Exudation of water-soluble substances by plant tissues. T. V. Kirilova. Usp. sovr. biol. 57 no 3:463-476 My-Je '64

International symposium on cytoecology held in Leningrad, May 31-June 1963. A. G. Lomagin. Bot. zhur. 49 no. 2:301-303 F '64.

PLANT COMMUNITIES

Environmental factors influencing the distribution of fungi among plant communities. B. A. Tomilin. Bot. zhur. 49 no. 2:230-239 F '64.

PLANT CUTTINGS

Propagation of giant reed by stem cuttings. A. A. Nekrasov. Biul. Glav. bot. sada no. 53:87-90 '64.

Propagation of some exotic conifers by cuttings. Z. K. Kostevich. Biul. Glav. bot. sada no. 53:44-47 '64.

Vegetative reproduction of the ornamental and exotic forms of woody plants. U. S. Vakula, IU. A. Bibikau. Vestsi AN BSSR. Ser. biial. nav. no. 1:33-41 '64.

PLANT INTRODUCTION
(see also subdivision under Moscow, Ukraine)

Introduction of fruit and berry plants resistant to pests and diseases. I. I. Vanin. Zashch rast. ot vred. i bol. 9 no. 5:16-17 '64.

PLANT LICE
(see also subdivision under Moldavia; Murgab Valley)

Plant lice (Aphidinea) injurious to cherry plum and cherry. G. Kh. Shaposhnikov. Ent oboz. 43 no 1.145-151 '64.

PLANT LICE—BIOLOGICAL CONTROL

Entomophthora infection of plant lices harmful to legumes E G Voronina Zashch. rast. ot vred i bol. 8 no 10 47 O '63

PLANT LICE—EXTERMINATION

Sayfos against aphids. V I Deriabin Zashch. rast. ot vred i bol. 9 no. 2:20 '64

PLANT PHYSIOLOGY

Akademiia navuk BSSR, Minsk. Institut eksperimental'noi botaniki i mikrobiologii. [Physiological characteristics of cultivated plants] Fiziologicheskie osobennosti kul'tiviruemykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 130 p.

PLANT QUARANTINE see subdivision under Rostov Province

PLANTERS (AGRICULTURAL MACHINERY)

Broad-band sowing and planters for vegetable crops. K. Baigacheva. Tekh. v sel'khoz 24 no. 3:91-93 Mr '64.

Machines for postharvest sowing P Shcherbina, N. Velichko Tekh v sel'khoz 24 no 5 39-42 My '64.

The SUP-4A transplanting machine. M. I. Chubarin. Trakt. i sel'khozmash. no. 5 36-37 My '64

Using wide-range aggregates in planting corn. M. Sverdlov, P Moiseev Ekon. sel'khoz. 35 no. 5 61-63 My '64

Wide-range machine for single-seed planting V. Skol'zaev, P. Lobachevskii Tekh v sel'khoz 24 no. 5 18-20 My '64

Wireless checkrow sowing. E. IUr'ev, V. Vilkov. Tekh v sel'khoz. 24 no. 3:53-59 Mr '64.

PLANTING TIME

Early planting and the Swedish fly. V. G. Golubkin. Zashch. rast. ot vred. i bol. 8 no. 10 17 O '63.

PLANTS

Unpretentious plants. Z. Sizenko. Doshk. vosp. 37 no. 5:95-96 My '64.

PLANTS—ABSORPTION OF WATER

Effect of heteroauxin on the absorption of water by roots in connection with the activation of gas exchange. V. V. Polevoi. Trudy Vost.-Sib. fil. AN SSSR no. 35.3-11 '62.

PLANTS—ASSIMILATION

Availability of exchangeable absorbed ammonia to plants. A. V. Peterburgskii, IU. I Korchagina. Dokl. TSKHA no. 84:219-225 '63.

Effect of trace elements on the kidney beans uptake of exchangeable and absorbed calcium. A. V. Peterburgskii, IAn Siu [Yang Hsiu]. Dokl. TSKHA no. 84:213-218 '63.

Importance of temperature on the phosphorus intake by plants. M. M. Gukova. Dokl. TSKHA no. 84:186-192 '63.

Modern concepts of the penetration of nutrients into plants through roots A. V. Peterburgskii. Dokl. TSKHA no. 84:158-167 '63.

Studying the intensity of the accumulation and consumption of assimilates in the leaves of corn sterile forms and their fertile analogues. V. I. Zaishlyi. Vest sel'khoz. nauki 9 no. 4:29-33 Ap '64.

Uptake and translocation of urea in plant root systems (with summaries in English, German, and French). I. V. Mosolov, P. N. Pyl'neva. Vest. sel'khoz. nauki 8 no. 9:42-46 S '63.

PLANTS—CHEMICAL ANALYSIS
(see also subdivision under Donets Valley)

Acid soluble peptides and nucleotide-peptides in kidney bean tissues. Zh. A. Medvedev, E E. Khavkin. Dokl. TSKHA no. 84:240-245 '63

Biological cycle of nitrogen and ash elements in the plant communities of tropical and subtropical zones. N. I. Bazilevich, L. E. Rodin. Bot. zhur. no. 2:186-200 F '64.

Chemical composition of Onobrychis sibirica Turcz. and multicolored vetch (Vicia picta Fisch. et Mey.). E. I. Komizerko. Biul. Glav. bot. sada no. 53:77-80 '64.

Chemical investigation of periwinkle occurring in the Ukraine. P. M. Liapunova, IU. H. Borysiuk. Farmatsev. zhur. 15 no. 4:41-45 '60.

Effect of various methods of pruning on the chemical composition of annual shoots and fruits of the Anna [illegible]

[illegible]

My-Je [illegible]

Quantitative determination of vitamin E in plants. A. P. Reviats'ka. Farmatsev. zhur. 15 no. 5 64-66 '60.

Some results of chemical investigation of Consolida arvensis. I. P. Karpus' Farmatsev. zhur. 14 no. 4: 53-58 '59

Study of the chemical composition of motherwort in Azerbaijan. F. A Arustamova. Izv. AN Arm. SSR. Biol. nauki 15 no. 5:77-82 My '62.

Testing certain plants for their rutin content. T. D. Bech. Farmatsev. zhur. 15 no. 5.58-64 '60.

PLANTS—DISEASE AND PEST RESISTANCE

Introduction of fruit and berry plants resistant to pests and diseases. I. I. Vanin. Zashch. rast. ot vred. i bol. 9 no. 5:16-17 '64.

PLANTS—FROST RESISTANCE

Frost resistance of Antonovka variations (with summaries in English, German, and French). V. M. Kolontaev. Vest. sel'khoz nauki 8 no. 9:122-124 S '63.

Resistance of soft wheat and barley to frost during late development stages. R. A. Udachin, M N. Toshcheva. Agrobiologiia no 2 301-303 Mr-Ap '64

Some characteristics of the dormancy period in currants and gooseberries as related to freeze injuries A. S. Ravkin Agrobiologiia no 2 314-317 Mr-Ap '64.

Some physiological and biochemical characteristics of the genetically related varieties of apple with various frost resistance. S. I. Isaev and others. Vest. Mosk. un. Ser 6: Biol., pochv 17 no. 6 40-47 N-D '62

PLANTS—IRRITABILITY AND MOVEMENTS

Contribution to the methods of investigating the tropisms of subterranean plagiotropic shoots. E. L. Liubarskii. Bot. zhur. 49 no. 2:240-242 F '64.

Kreicberga, Olgerts. [Movements of plants] Augu kustības. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1964. 60 p. [In Latvian]

PLANTS—METABOLISM

Biosynthesis of ferroporphyrins in roots as related to the metabolism of plants. B. A. Rubin, V. F. Gavrilenko, N. V. Guzhova. Dokl. AN SSSR 156 no. 4:961-963 Je '64.

PLANTS—NUTRITION

Physiology of the root nutrition of plants. B. A Rubin Zemledelie 26 no. 2 51-58 F '64.

PLANTS—REPRODUCTION

Biology of flowering and seed reproduction of the foxtail Alopecurus vaginatus Pall. E. I. Kurchenko. Biul. Glav. bot. sada no. 53:56-61 '64.

Flowering and fruiting of some wormwoods of central Kazakhstan. Z. G. Bespalova. Bot. zhur. 49 no. 2: 223-229 F '64.

New data on the biology and seed reproduction of the highly polyploidic "Khar-tut" mulberry (Morus nigra L.). I. K. Abdullaev, N. A. Dzhafarov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:25-32 '62.

PLANTS—RESPIRATION

Effect of heteroauxin on the absorption of water by roots in connection with the activation of gas exchange. V. V. Polevoi. Trudy Vost.-Sib. fil. AN SSSR no. 35:3-11 '62.

Oxidative processes in the bulbs of common onions during the wintering period. B. P. Sendarovich, F. E. Reimers. Trudy Vost.-Sib. fil. AN SSSR no. 35.21-29 '62.

PLANTS—SOILLESS CULTURE

Cultivation of plants in nutritive solutions without soil; hydroponics A. A. Novoselov. Nach. shkola 32 no. 6: 82-88 Je '64.

PLANTS—TRANSPIRATION see subdivision under Murgab Oasis; Siberia; Tedzhen region (Turkmenistan)

PLANTS—WATER REQUIREMENTS see subdivision under Volga Valley

PLANTS, CULTIVATED

Akademiia navuk BSSR, Minsk. Institut eksperimental'noi botaniki i mikrobiologii. [Physiological characteristics of cultivated plants] Fiziologicheskie osobennosti kul'tiviruemykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 130 p.

[Economically useful plants] Tautsaimnieciba derigie augi. Riga, Latvijas PSR Zinatnu akad. izd-ba,
Vol. 2. 1963. 194 p. [In Latvian]
(DNAL)

[Plant culture] Ref. zhur.: Rast. no. 12 Je '64.

PLANTS, EFFECT OF ACETIC ACID ON

Effect of 2, 4-D and 2, 4, 5-T derivatives on the accumulation of acids and other phosphorus compounds in soybean leaf blades. IU. V. Peruanskii. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:72-76 Ap '64.

PLANTS, EFFECT OF ARIDITY ON

Mineral fertilizers and the drought resistance of spring wheat. V K. Girfanov, A K. Shkurikhina. Zemledelie 26 no. 2 61-63 F '64

Winter rye in sandy soils of the arid southeast. A. E. Ivanov, O. A. Zeifert. Zemledelie 26 no. 2:77-80 F '64.

PLANTS, EFFECT OF GAMMA RAYS ON

Work results of the Laboratory of Radiobiology of the All-Union Scientific Research Institute of Cotton Growing for 1959-1961 V. I. Mukhanova Trudy SoiuzNIKHI no 3 141-152 '63

PLANTS, EFFECT OF LIGHT ON

Effect of artificial light on plant growth as exemplified by winter wheat A. S. Kruzhilin. Vest. AN SSSR 34 no.5 [illegible] My '64

Effect of illumination and temperature on pigment formation in Dunaliella salina [with summary in English] E. S. Mil'ko. Mikrobiologiia 32 no 4 590-597 Jl-Ag '63.

Effect of potassium on the position of the light compensation point in plants. A. A. Pavil'onov. Biul. Glav. bot. sada no.53:66-71 '64

Effect of temperature on the photosensitivity of plants N M. Kovrigo Dokl TSKHA no 84:180-185 '63

Effect of the spectral composition of light on the development of plants I A Shul'gin, F M Kuperman Vest sel'khoz nauki 9 no 5 81-90 My '64

PLANTS, EFFECT OF MAGNESIUM ON

Effectiveness of fertilizers in soils deficient in magnesium, [illegible] Mazaeva Vest. sel'khoz. nauki 9 no 2 5-9 F '64

PLANTS, EFFECT OF MICROBIAL METABOLITES ON see subdivision under Azerbaijan

PLANTS, EFFECT OF MINERALS ON

Automated device for studying the relationship between the photosynthesis of higher plants and mineral nutrition V. G Chuchkin, V I. Rozhdestvenskii. Probl kosm biol 3:477-486 '64

Change in agrochemical characters of the soil in tea plantations in connection with continuous fertilization of soils A V Peterburgskii, I. A. Chanturiia Dokl TSKHA no 84:233-239 '63

PLANTS, EFFECT OF MOISTURE ON

More on the norms of drainage and crop structure. S. G. Skoropanov. Vest. sel'khoz. nauki 9 no. 2,27-30 F '64.

PLANTS, EFFECT OF MOLYBDENUM ON

Placement of lime and molybdenum for legumes in acid soils A V. Peterburgskii, Szabo Bela. Dokl TSKHA no 84 226-232 '63

PLANTS, EFFECT OF NITROGEN ON

Accumulation of nitrogen by forage beans in mixed sowing with corn as related to the conditions of nutrition. M. M Gukova, R. I. Bogomolova Dokl. TSKHA *no* 84:168-173 '63

Role of nitrogen nutrition in the formation of corn tassels and ears under conditions of various water supply [with summaries in English, German, and French]. N. I. Volodarskii, N G. Sykalo. Vest. sel'khoz nauki 8 no 3:36-41 S '63

Utilization of nitrogen by wheat during the process of ontogenesis E A Osadchuk. Agrobiologiia no 2 250-253 Mr-Ap '64

PLANTS, EFFECT OF OXYGEN ON

Accumulation and liberation of alcohols by the roots of plants suffering from oxygen deficiency. G. M. Grineva. Dokl. AN SSSR 156 no. 5:1245-1248 Je '64.

Causes of chlorosis and ways for its elimination in orchards of the Volga region [with summaries in English, German, and French] G. V. Medoks, B. V. Andreev, A. G. Kondrat'eva. Vest sel'khoz. nauki 8 no. 9:125-129 S '63.

Effect of different oxygen pressures on radiation injury. N. G. Nor-Arevian, S. P. Semerdzhian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4:25-31 Ap '64

PLANTS, EFFECT OF PHOSPHORUS ON

Effect of the gibberellin solution concentration on the penetration of radioactive phosphorus into pea sprouts. *N. G. Nor-Averian* and others. Izv. AN Arm. SSR. Biol. nauki 16 no 5 95-97 My '63.

Work results of the Laboratory of Radiobiology of the All-Union Scientific Research Institute of Cotton Growing for 1959-1961. V. L. Mukhanova. Trudy SoiuzNIKHI no. 3 141-152 '63.

PLANTS, EFFECT OF POLONIUM ON

Penetration of polonium-210 in an oat plant I. V. Gulfakin, A. V. Korovkina Dokl, TSKHA no 84:327-331 '63

PLANTS, EFFECT OF POTASSIUM ON

Effect of potassium fertilizers on the development of cotton, structure of cotton bush, and quality of raw cotton. I. I. Madraimov. Trudy SoiuzNIKHI no. 3:86-*99* '*63*.

Effect of potassium on some physiological processes in flax plants in meteorologically different years. L. L. Koshaleva. Vestsi AN BSSR. Ser. bilal. nav. no. 1:50-57 '64.

Effect of potassium on the position of the light compensation point in plants. A. A. Pavil'onov. Biul. Glav. bot. sada no.53:66-71 '64.

PLANTS, EFFECT OF RADIATION ON

[Economically useful plants] Tautsaimnieciba derigie augi. Riga, Latvijas PSR Zinatnu akad. izd-ba,
Vol. 2. 1963. 104 p. [In Latvian]
(DNAL)

Effect of different oxygen pressures on radiation injury. N. G. Nor-Arevian, S. P. Semerdzhian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4 25-31 Ap '64.

Role of radiotoxins in the disturbance of structural formation in irradiated plants. L. M. Kriukova, *A. Kas,anov. Dokl AN SSSR* 156 no 5.1404-1406 Je '64

Studying the variability of cotton in the second generation (M2) under the effect of gamma radiation (Co60) and fast neutrons. A A. Kuliev. Izv. AN Azerb SSR. Ser. biol. *i med. nauk no.* 1 31-36 '64.

PLANTS, EFFECT OF SODIUM CARBONATES ON

Condition of cotton in the fields depending on the degree of soda salinization. B M Agaev, F. F Mamedov Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2:79-86 '62.

PLANTS, EFFECT OF SOLAR RADIATION ON

Effect of preplanting irradiation of potato tubers by concentrated white and monochromatic sunlight on the synthesis and composition of anthocyanins, on the growth of green mass and yield. *S* A Stanko Dokl. AN SSSR 156 no 5 1232-1235 Je '64.

PLANTS, EFFECT OF TEMPERATURE ON
(see also subdivision under Uzbekistan)

Effect of cooling sprouts of plants of the gourd family on their consequent growth and development. O. A. Zauralov, R. M. Tarkhanova Trudy Vost.-Sib. fil. AN *SSSR no,* 35 43-50 '62.

Effect of illumination and temperature on pigment formation in Dunaliella salina [with summary in English]. E. S. Mil'ko. Mikrobiologiia 32 no. 4:590-597 Jl-Ag '63.

Effect of temperature on the photosensitivity of plants. N M. Kovrigo. Dokl TSKHA no 84:180-185 '63.

Effect of the thermal factor on various phases in the development of the apple tree O S Karandasova, Izv. AN Turk. SSR. Ser. biol. nauk no 2 70-71 '64

Importance of temperature on the phosphorus intake by plants M M Gukova Dokl TSKHA no. 84,186-192 '63.

International symposium on cytoecology held in Leningrad, May 31-*June 1963. A. G. Lomagin. Bot. zhur.* 49 no. 2:301-303 F '64.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of microelements on the activity and virulence of alfalfa nodule bacteria T M Melkumova Zh M Gazaichian. Dokl AN Azerb. SSR 20 no. 2 53-57 '64

PLANTS, EFFECT OF UREA DERIVATIVES ON

Physiological activity of some thiourea derivatives and their chemical structure. E. Karanov, G. Vasiliev. Dokl. AN SSSR 156 no. 4:957-960 *Je* '64.

PLANTS, FLOWERING OF

Biology of the flowering of pea varieties in Alma-Ata Province. A. A. Almaniiazov, O. S. Vodianova. Vest. sel'khoz. nauki [Kazakh.] *1 no. 4:38-40 Ap '64.*

Flowering and fruiting of some wormwoods of central Kazakhstan, Z. G. Bespalova, *Bot. zhur. 49* no. 2: 223-229 F '64.

Photoperiodism *and internal factors of the flowering of* plants. M. Kh. Chailakhian. Dokl, AN Arm. SSR 38 no. 5.309-313 '64.

PLANTS, ORNAMENTAL
(see also subdivision under Dilizhan, Armenia; Tashkent)

Vegetative reproduction of the ornamental and exotic forms of woody plants. U. S. Vakula, IU. A. Bibikau. Vestsi AN BSSR Ser. bilal. nav. no. 1:33-41 '64.

PLANTS, PROTECTION OF
(see also subdivision under Afghanistan; Georgia; Hungary; Kazakhstan; Kirovograd Province; Latvia; Ozersk District; Soviet Central Asia; Ukraine; Voronezh Province, Zaporozh'ye Province)

Agricultural airplanes in the protection of crops. V. A. Nazarov. Zashch. rast. ot vred. i bol. 9 no. 2:7-9 '64.

Biophysics in plant protection. S. V. *Andreev, B. K.* Martens. Zashch. rast. ot vred. i bol 8 no. 10:10-13 O '63.

Brief information. G. M. Mardzhanian and others Zashch. rast. ot vred. i bol. 8 no. 10.55-57 O '63.

Brief information. L. V. Il'initskii and others. Zashch. rast. ot vred. i bol. 9 no. 5:56 '64.

Everything depends on people. *Zashch. rast. ot vred. i* bol. 9 no. 2:1-4 '64.

From experiments in the use of new preparations. M. F. Zubov and others. Zashch. rast. ot vred. i bol *9* no. 10 24-26 O '63.

From the pages of the International Agricultural Journal. I. S. Suvalov. *Zashch. rast. ot vred. i bol.* 8 no. 10:61-62 O '63.

Information and brief news. P. A. *Khizhniak* and others Zashch. rast. ot vred. i bol. 9 no. 5:57-60 '64.

Introduce all new discoveries into production. E. M. Drozdovskii. Zashch. rast. ot vred. i bol. *9 no. 5:9-10* '64.

Local information A. M. Gusevoi and others. Zashch. rast. ot vred. i bol. 8 no 10 59-60 O '63.

Pay attention to the protection of orchards. Zashch. rast. ot vred. i bol. 9 no. 5:1-2 '64.

Questions and answers. P. A. Korolev and others. Zashch. rast. ot vred. i bol. 9 no. 5:38, 40, 50 '64.

Readers propose, criticize, discuss. V. P. Lilik and others. Zashch rast. ot vred. i bol. 9 no. 5:12-15 '64.

Responses to our articles. Z. IA. Agafonova and others. Zashch. rast. ot vred. i bol. 9 no. 2:12-16 '64.

Review of B. V. IAkovlev's brochure. I F. Pavlov. Zashch. rast ot vred. i bol. 9 no. 2:62-63 '64.

Russia (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the protection of peas, kidney beans, and forage beans against main pests and diseases] Rekomendatsii po zashchite gorokha, fasoli i kormovykh bobov ot glavneishikh vreditelei i boleznei. Moskva, [Sel'khozizdat] 1963. 15 p.
(DNAL)

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, SEX IN

Case of hidden sexual dimorphism in a young katsura tree. B. N. Zamiatnin. Biul. Glav. bot. sada no. 53: 81-82 '64.

PLASMA (IONIZED GASES)

Al'pert, IA. L., A. V. Gurevich, and L. P. Pitaevskii. [Artificial satellites in rarefied plasma] Iskusstvennye sputniki v razrezhennoi plazme. Moskva, Izd-vo "Nauka," *1964. 382 p.*

Analysis of the Hall effect in a moving plasma. A. V. Gubarev, V. I. Kovbasiuk. Teplofiz. vys. temp. 2 no. 2 156-159 Mr-Ap '64.

Calculating the transfer coefficients in a two-temperature plasma. M. V. Samokhin. Zhur. tekh. fiz. 34 no. 2: 360-371 F '64.

Effect of finite conductivity on the stability of a plasma in a magnetic field. S. S. Moiseev, R. S. Sagdeev. Zhur. tekh. fiz. 34 no. 2:248-258 F '64.

Equilibrium of a plasma in a space-periodical (undulating) magnetic field. R. A. Demirkhanov, T. I. Gutkin, T. R. Soldatenkov. *Zhur. tekh. fiz.* 34 no. 2:266-268 F '64.

Evolution of a wave packet in hydrodynamics involving sound dispersion V E Zakharov PMTF no 1 167-169 My-Je '64

Gravitational instability of a nonhomogeneous plasma medium. L. M. Ozernoi. Astron. zhur. 41 no. 3, 491-501 My-Je '64.

Heat transfer and diffusion in a partially ionized two-temperature plasma G S Bishnovatyi-Kogan. PMTF no 3 43-51 My-Je '64

Instability of a beam of a rarefied inhomogeneous plasma. V. V. Arsenin. Dokl. AN SSSR 156 no. 4:766-769 Je '64.

Kinetic instability in a magnetic field. R. V. Polovin, Zhur. tekh. fiz. 34 no. 2:259-261 F '64.

Magnetic plasma and ion flow motors and d.c. generators. A. E. Kaplianskii, V. V. Dodotchenko, S. P. Kononov. Elektrichestvo no. 5:88-91 My '64.

Magnetoacoustic waves in a nonisothermal plasma. A. V. Bogdanov. Zhur. tekh. fiz. 34 no. 2:254-258 F '64.

Method for measuring heat flows in a plasma. IU. V. Makarov, IU. A. Poliakov. Teplofiz. vys. temp. 2 no. 2 170-175 *Mr-Ap* '64.

Motion of dense plasma clots in the magnetic field of a toroidal solenoid. V. S. Voitsenia and others. Zhur. tekh. fiz. 34 no. 2,280-287 F '64.

Particle losses and the configuration of a plasma stream when moving in a curvilinear magnetic field. G. M. Batanov, M. A. Ivanovskii, I. S. Shpigel'. Zhur. eksp. i teor. fiz. 46 no. 5:1915-1917 My '64.

Plasma injection into a magnetic trap with opposing fields. I. M. Zolototrubov and others. Zhur. tekh. fiz. 34 no. 2: 382-384 F '64.

Plasma resonances in inhomogeneous objects. V. B. Gil'denburg. Zhur. tekh. fiz. 34 no. 2:372-374 F '64.

Probing methods for studying the parameters of a high-frequency plasma. Sh. A. Abliaev, T. Z. *Vinokurova*, Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 1:35-41 '64.

Radiation from a cesium plasma. V. A. Abramov, IU. A. Tevasov. Teplofiz. vys. temp. 2 no. 2:160-169 Mr-Ap '64.

Recombination break-up of a nonequilibrium nonisothermal plasma. K. N. Ul'ianov. Teplofiz. vys. temp. 2 no. 2:137-141 Mr-Ap '64.

Some problems of the kinetics of chemical reactions in plasma jets. L. S. Polak, IU. L. Khait. Dokl. AN SSSR 156 no. 4:920-923 Je '64.

Structure of shock waves in a plasma. B. A. Tverskoi. Zhur. eksp. i teor. fiz. 46 no. 5:1653-1663 My '64.

Theory of nonstationary waves of finite amplitudes in a rarefied plasma. IU. A. Berezin, V. I. Karpman. Zhur. eksp. i teor. fiz. 46 no. 5:1880-1890 My '64.

Weakly damping of plasma waves. V. P. Silin. Zhur. tekh. fiz. 34 no. 2:236-247 F '64.

PLASTIC FILMS

Joining of polyethyleneterephthalate films. A V Andrianova and others Plast massy no 1 73 '64

Stepanov, P.P. [Grafting of fruit trees and the sun; practices in using polyethylene film] Privivka plodovykh i solntse, opyty s primeneniem polietilenovoi plenki. [Kaluga] Priokskoe knizhnoe izd-vo, 1964. 159 p.
(DNAL)

Thermal stability of polyvinyl alcohol O. O. Borodina, K. E Perepelkin Plast massy no 1 7-11 '64

PLASTIC FILMS—WELDING

Heat pulsation welding of polymer films S V Genel', D. V Konovalova, F. B. Svetov. Plast massy no 1 35-38 '64.

PLASTIC FOAMS

Preparation and processing of foam polystyrol in the manufacture of various goods. M. V Alekseev. Khim prom [Ukr.] no. 4:29-32 O-D '63.

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Boundary value problem for the velocity of tensions and deformations in the theory of plastic flow M. A. Solomeshch Uch zap. Petrozav gos. un. 11 no 2 64-66 '63

Effect of a molten metal media on the mechanical properties of steel. I. V. Andreev, V P. Gorshkov, IA. M. Ditiatkovskii. Metalloved. i term. obr. met. no. 5 52-54 My '64.

Elements of the theory of the superplasticity phenomenon. A. A. Presniakov. Trudy Inst. met. i obog. AN Kazakh. SSR 7:43-55 '63.

Experimental study of the kinetic congruence between transformation and deformation during the emergence of superplasticity. A A. Presniakov, G. V Starikova Trudy Inst. met. i obog. AN Kazakh SSR 7:56-60 '63.

Extremum principles for an anisotropic plastic body. M. S. Sarkisian. Issl po uprug. i plast. no. 3 232-235 '64.

Presniakov, A. A., V. A. Samoilov, and V. V. Chervlakova. [Plasticity of commercial-grade alloys; reference materials] Plastichnost' tekhnicheskikh splavov; spravochnye materialy. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 219 p.

Problem of the flexure of a circular reinforced plate of viscoplastic material. G. M. Gizatulina Issl po uprug. i plast. no. 3 153-160 '64.

Stability of the flow of a viscoplastic medium between two planes with a slit G P. Pelikovchikov Vest. Mosk. un. Ser. 1 Mat, mekh. 19 no 3.51-55 My-Je '64.

Uniqueness of solutions in the theory of plastic flow M. A Solomeshch. Uch. zap. Petrozav. gos un. 11 no 2.59-63 '63

PLASTICIZERS

Effect of plasticization on the relaxation properties of rubberlike polymers over a wide temperature range. IU. V. Zelenev, G. M. Bartenev. Vysokom. soed 6 no. 5 915-922 My '64.

Using the extracts of phenol purification as plasticizer fillers for synthetic rubbers F G. Sidliaronok and others Trudy VNII NP no 9 52-67 '63

PLASTICS

About the manual "Synthetic materials in shipbuilding and ship repairs." A. Breev. Mor. flot 24 no. 3:45-46 Mr '64

Decision of historical importance. M. I. Garbar. Plast. massy no. 1 1-2 '64.

Driven friction rings from plastic materials. S. Popov. Tekh. v sel'khoz. 24 no. 3:78-80 Mr '64.

Investigating the static strength of rigid plastics in a plane state of stress V. N. Shannikov, K. N. Kan. Plast. massy no. 1:59-62 '64

Investigating the wear resistance of polytetrafluoroethylene. F. K. Lebedev. Avt. prom 30 no. 3:28-29 Mr '64.

Levin, A. N. [Plastic material number one] Plastik nomer odin. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no. 3)

New plastic composition for friction materials. M. A. Kolesnik, P. P. Kyslytsia. Khim. prom. [Ukr.] no. 4: 24-25 O-D '63.

Plastic materials in irrigation. Gidr. i mel. 16 no. 4: 63 Ap '64.

Plasticized cellulose. A. I. Kalnin'sh. Vest. AN SSSR 34 no. 5:70-85 My '64.

Processing laminated and glass-reinforced plastic materials by a hard-alloy instrument. I. P. Zakharenko, V. I. Imbirskii. Bum. i der. prom. no. 1:29-33 Ja-Mr '64.

Scientific-technical conference on the use of polymers in agriculture. A. IA. Gol'din. Khim. v sel'. khoz. 2 no. 1: 57-59 Ja '64.

Shallow plastic launch. V. P. Smirnov, N. A. Sosuntov. Plast. massy no. 1:71-72 '64.

Some results of stress-rupture tests for textolite. N. T. Smotrin, V. M Chebanov Issl. po uprug. i plast. no. 3: 258-260 '64.

Stress-rupture strength of organic glass. N. T. Smotrin, V. M. Chebanov. Issl. po uprug. i plast. no. 3:252-257 '64.

Wider use of synthetic materials in the merchant marine. A. Gordeev. Mor flot 24 no. 3 14 Mr '64.

PLASTICS—MOLDING

Centrifugal casting of plastics abroad. A. M. Skliarskii. Biul tekh.-ekon inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:90-93 '64.

Manufacture of plastic ship furniture by the method of compressed air molding. V. A. Blagov, V. A. Tkachenko, V. S. Kudrets. Sudostroenie 30 no. 5:44-46 My '64

Method for making precise shaping parts of molds for plastic articles. A. A Shturman Vest. mashinostr 44 no. 5 51-52 My '64.

PLASTICS—STANDARDS

New standards for plastics Plast. massy no 1.75-77 '64.

PLASTICS—TESTING

Effect of the injection pressure and speed on the properties of goods made from polypropylene. R. I. Mamedov, I. F Kanavets Plast massy no. 1:27-35 '64

Experience in the automation of the testing of plastics for heat resistance. V. D Ramzaitsev and others. Plast massy no 1 68-71 '64

Investigating the internal stresses in cemented joints. A. M Chistiakov and others Plast. massy no 1 57-59 '64

Investigating the viscosity of the melts of plasticized compositions of polyvinyl chloride. I. N Razinskaia, P. V. Kozlov, B. P. Shtarkman Plast massy no. 1:55-56 '64

PLASTICS—THERMAL PROPERTIES

Determining the heat capacity and heat conductivity of plastics in the thermal destruction process. O F Shlenskii, IU. P Barskii, N P. Pichugin Plast. massy no. 1:62-64 '64.

PLASTICS CUTTING—EQUIPMENT AND SUPPLIES

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cutting tools for machining thermoplastics, cutters] Instrument rezhushchii dlia obrabotki termoreaktivnykh plastmass, reztsy (MN 4256-63—MN 4261-63, RTM 83-63—RTM 92-63). Moskva, Izd-vo standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

PLASTICS IN BUILDING

Bykov, A. S., M. I. Dantsin, and G. I. Zokhin. [Building materials and products from synthetic material] Stroitel'nye materialy i izdeliia na osnove sinteticheskogo syr'ia. Moskva, Stroiizdat, 1964. 161 p.

Glass plastics for building purposes. A. N. Nikolaev and others Plast. massy no. 1:52-54 '64

Use of plastics in the construction of tunnels. A A. Zhestkov. Mont i spets rab. v stroi 26 no. 5 27-28 My '64.

Using glass-reinforced plastic for protecting carbon steel pipes from exterior corrosion. E V. Makarov Mont i spets rab v stroi 26 no. 5.11-13 My '64

PLASTICS IN INDUSTRY

Use of polymer materials in the dairy industry. G. L. Opochinskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 2:56-58 '64.

Using plastic materials in the tractor industry. A. P. Bogidzhanova, IU. IA. Zil'berg. Trakt. i sel'khozmash. no. 5:37-39 My '64

PLASTICS IN MEDICINE

Gagiev, P. P. [Plastics in orthopedics, traumatology and osteoarticular tuberculosis] Plasticheskie massy v ortopedii, travmatologii i pri kostno-sustavnom tuberkuleze. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 192 p.

PLASTICS INDUSTRY see subdivision under Erivan

PLASTICS INDUSTRY—BIBLIOGRAPHY see Bibliography—Plastics industry

PLASTICS MACHINERY

Contactless measurement of the thickness of sheet materials. V. M. Husev. Khim. prom. [Ukr.] no. 4:48-50 O-D '63.

Continuous production line for the extrusion of thermosetting plastics. Khim. prom. [Ukr.] no. 4:76-80 O-D '63.

Design and construction of the inlet area of the extruder. IA. B. Kaplun, A. N. Levin. Plast. massy no 1:39-46 '64.

PLATE TOWERS

Problems in the mathematical description of transient processes in a plate rectification column. V. N. Krivsunov. Trudy MIKHM 25:52-65 '63.

PLATING

Certain phenomena when building up bronze on steel by means of friction. IA. M. Kershenbaum, N. G. Liudmirskaia, B. A. Averbukh. Trudy MINKHiGP 46:219-226 '64.

Nature of the adherence of a layer of white cast iron to steel on plating by friction. IA. M. Kershenbaum and others. Trudy MINKHiGP 46 213-219 '64.

PLATINUM

Study of the adsorption of uranium on polished platinum. A. G. Samartseva. Radiokhimiia 6 no. 2:230-237 '64.

PLATINUM CATALYSTS

Activity of adsorption Pt-catalysts obtained in the ultrasonic field. Li Ven'-chzhou [Li Wên-chou], A. N. Mal'tsev, N. I. Kobozev. Vest. Mosk. un. Ser. 2: Khim. 19 no. 1:39-42 Ja-F '64.

PLATINUM-COBALT ALLOYS see Cobalt-platinum alloys

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM METALS—ANALYSIS

Partition chromatography on ion-exchange resins. Part 2: Separation of Rh, Pd, Ir, and Pt. L. N. Moskvin, B. K. Preobrazhenskii. Radiokhimiia 6 no. 2:237-241 '64.

PLAY

Children's play at different times of the day. Z. Smirnova. Doshk. vosp. 37 no. 5:36-38 My '64.

Children's social life in play. A. Usova. Doshk. vosp. 37 no. 5:62-66 My '64.

Games reflecting the work of adults. M. Avrutova, I. Rozental'. Doshk vosp. 36 no. 12:35-39 D '63.

Interaction among children in different types of play. A. Voevodina Doshk. vosp. 37 no. 5:16-48 My '64.

Let's introduce various games into the children's life. V. L'vova. Doshk. vosp. 37 no. 5:46-52 My '64.

Organizing morning play in the mixed group. T. Kobitskaia. Doshk. vosp. 37 no. 5:41-43 My '64.

Play in a younger group. M. Shanina. Doshk. vosp. 36 no. 12:39-43 D '63.

Play in the evening. Z. Igdalova. Doshk. vosp. 37 no. 5:44 My '64.

Play in the morning. N. Kiseleva. Doshk. vosp. 37 no. 5:39-40 My '64.

Recommendations on play and their assimilation in practice. M. Zaluzhskaia. Doshk. vosp. 37 no. 5:34-36 My '64.

Stories of B. Zhitkov and children's play. V. Razova. Doshk. vosp. 36 no. 12:98-100 D '63.

PLETHYSMOGRAPHY

Comparative evaluation of vascular reactions in nephritis and hypertension in Uzbekistan climate. I. I Lazarenko Kardiologiia 3 no 6 70 N-D '63

Importance of the cavernous sinus in the regulation of cerebral blood circulation [with summary in English]. M. A. Sreseli, O. P. Bol'shakov. Arkh. anat. gist. i embr. 43 no. 10:13-18 O '62.

Responses of the vascular system of the cranial cavity in the case of equivalent longitudinal gravitation loads ± g. IU. E. Moskalenko and others. Probl. kosm. biol. 3: 366-378 '64.

PLEURA—DISEASES

Pleurectomy in chronic pleural empyema. I. IA. Ogus. Khirurgiia 39 no. 8:43-45 Ag '63.

Some considerations on the prevention and treatment of residual pleural cavities following lobectomy in pulmonary tuberculosis. B. S. Kibrik. Khirurgiia 39 no. 8:26-30 Ag '63.

PLEURA—SURGERY

Pleurectomy combined with a pulmonary resection as a method of treating fibrocavernous tuberculosis complicated by empyema N. I. Bondar' Khirurgiia 38 no. 12.9-14 D '62.

Pleurectomy in chronic pleural empyema. I. IA. Ogus. Khirurgiia 39 no. 8:43-45 Ag '63.

PLEUROPNEUMONIALIKE ORGANISMS

Changes of L-form microbes and their resistance during storage at various temperatures. K. P. Shakhovskii. Zhur. mikrobiol., epid. i immun. 40 no. 10:105-109 O '63.

PLIEKSANS, JANIS, 1865-1929

Birkerts, Antons. [J. Rainis in exile in Pskov] J. Rainis Pleskavas trimda. Riga, Latvijas Valsts izd-ba, 1964. 117 p. [In Latvian]

PLOVERS see subdivision under Transcaucasia

PLOWING see subdivision under Leningrad Province

PLOWS see subdivision under Azerbaijan

PLOWS—ATTACHMENTS

Change the system of adjusting the mechanism of mounting. A Kurilov, Z Kurilova. Tekh. v sel'khoz. 24 no. 5:61 My '64

PLUM

Effect of various methods of pruning on the chemical composition of annual shoots and fruits of the Anna Shpet plum. S. M. Minasian, G. A. Khodzhamian. Izv. AN Arm. SSR. Biol. nauki 15 no. 5:31-38 My '62.

PLUTONIUM

Grechushkina, M. P. [Tables of the composition of the products of instantaneous fission of U^{235}, U^{238}, and Pu^{239}] Tablitsy sostava produktov mgnovennogo deleniia U^{235}, U^{238}, i Pu^{239} Moskva, Atomizdat, 1964 67 p.

PLUTONIUM COMPOUNDS

Study of the complex formation of trivalent plutonium with anions of acetic, citric, and tartaric acids by means of ion exchange. A I.Moskvin, V P.Zal'tseva, V D.Gel'man Radiokhimiia 6 no.2 214-230 '64

PLUTONIUM ISOTOPES—DECAY

α-Decay of Pu^{241}. B S.Dzhelepov, R.B.Ivanov, V.G. Nedovesov. Zhur eksp i teor fiz. 46 no 5.1517-1524 My '64

PLYWOOD INDUSTRY

Measuring the output of the plywood industry E E Bursin Der prom 13 no 5 15-16 My '64

PLYWOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for removing plywood overhangs. S.A Zorenko. Bum i der prom no 1 20 Ja-Mr '64

Unit for the oil treatment and priming of plywood V.N R ndenko Der.prom 13 no 5 21-22 My '64

PNEUMATIC CONTROL

Starting system of diesel engines for diesel locomotives with hydraulic drive. V.S.Tiutiunnikov. Trudy MIIT no.160.166-171 '63.

PNEUMATIC CONVEYING

Combined nomograms for calculating pneumatic conveyor systems. N.N.Rylov, L P.Rylova. Der.prom. 13 no.6 11-13 Je '64.

Pipeline bends for pneumatic conveying. IU.N. Mikol'skii. Sbor.po.obm opyt.v tsem.prom. no.1 64-74 '60.

PNEUMATIC MACHINERY

New conveying and hoisting devices Plast massy no.1 74 '64

PNEUMATIC TOOLS

Improving pneumatic charging of blast holes I.A. Ostroushko and others. Gor.zhur. no.11:33-37 N '63.

PNEUMATIC TOOLS—SAFETY MEASURES

Makhnovich, A.T. [Safety manual for workers using pneumatic tools] Pamiatka po tekhnike bezopasnosti dlia rabochikh, pol'zuiushchikhsia pnevmaticheskim instrumentom. Moskva, Stroiizdat, 1964. 30 p. (Tekhnika bezopasnosti v stroitel'stve)

PNEUMATIC TOOLS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pneumatic clamps, design and basic dimensions] Prizhimy pnevmaticheskie; konstruktsiia i osnovnye razmery (MN 5011-63—MN 5015-63). Moskva, Izd-vo Standartov, 1964. 11 p. (SSSR, Normali mashinostroeniia)

PNEUMATIC TOOLS—VIBRATION

Control of the vibration of rock drills and air hammers. S.I Dobroborskii, Gor.zhur. no.5:67-72 My '64.

PNEUMONIA

Cancer in the right bronchus developing at the site of a chronic inflammatory process G.V.Skurkovich. Khirurgiia 39 no.8 116 Ag '63.

Carbohydrate metabolism and glucose therapy during pneumonia in calves. M.I.Nemchenko. Trudy Smol NIVS no.2:103-110 '62.

Carbohydrate metabolism during "sympathetic" pneumonias. M I Nemchenko Trudy Smol NIVS no.2:120-127 '62.

Carbohydrate metabolism during "vagal" pneumonias. M.I.Nemchenko. Trudy Smol.NIVS no.2:111-119 '62

Effect of trace elements (cobalt and copper) on the metabolism in healthy and pneumonia-affected sheep F F Dymko Trudy AZVI 12 353-364 '61.

Hematological changes during a secondary pneumonia in calves P.N.Razumovskii Trudy Smol NIVS no.2:32-38 '62

Reserve alkalinity and glutathione in the blood of calves as related to the age and zone of raising and their changes during the treatment of suppurative catarrhal bronchopneumonia with antibiotics. Sh.T.Tokbanov. Trudy AZVI 12 486-497 '61.

Restoration of the external respiration in lambs with acute catarrhal and suppurative catarrhal bronchopneumonia under the effect of antibiotic treatment I.S.Podlinnov Trudy AZVI 12.498-505 '61

Role of the nervous system in the development of pneumonia in animals. M I.Nemchenko Trudy Smol.NIVS no.2:20-31 '62.

Some characteristics of the clinical picture and pathogenesis of pneumonia in thermal burns N S.Molchanov, B L.Gel'man Vest AMN SSSR 18 no 10:3-9 '63.

Testing polymeric iodine and antibiotics in summer pneumonias of calves. P.N.Razumovskii Trudy Smol NIVS no.2:213-218 '62.

PNEUMOPERITONEUM, ARTIFICIAL

Methodology for parietography of the large intestine. V.G Zaitseva. Sov med 27 no.10 46-49 O '63.

Role of tomography combined with pneumoperitoneum in the differential diagnosis of tumors of the retroperitoneal space A A Akperbekov. Vop onk. 8 no 11:59-63 '62.

Use of pneumoperitoneum in gynecology. N.D.Selezneva, F.V.Moiseev. Vest.rent.i rad 38 no.6 64-65 N-D '63.

PNEUMOTHORAX

Tension pneumothorax following puncture of an abscess of a solitary lung E M Borovyi, V M.Vol'skii Khirurgiia 39 no.8 114-115 Ag '63.

POCHINKI REGION (GORKIY PROVINCE)—WEED CONTROL

Low volume spraying in weed control. V S.Blagoveshchenskaia. Zashch.rast.ot vred.i bol. 9 no.5:31 '64

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Incompetence of the hypothesis of the fall of Tunguska meteorite on June 30, 1908 I S Astapovich Astron tsir no 238 2-4 Ap '63

PODOLIA—LOESS

Petrography of the loess of northern Podolia. D.I.Rudi. Uch.zap Chern.un. 24.Ser.geol.nauk no.2:126-139 '59.

PODOLIA—POLYZOA, FOSSIL

Astrova, G.G. [Polyzoa in the Borshchov and Chortkov horizons of Podolia] Mshanki borshchovskogo i chortkovskogo gorizontov Podolii. Moskva, Izd-vo "Nauka," 1964. 51 p. illus. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol. 98)

PODVOISKII, NIKOLAI IL'ICH, 1880-1948

Soldier of the revolution. I G Chudinov. Teor.i prak. fiz.kul't 27 no 2 4-7 F '64

PODZOL

(see also subdivision under Karelia; Leningrad Province; Udmurt A.S.S.R.)

Air balance and the fertility of turf-Podzolic soils. I P.Grechin. Dokl.TSKHA no 84:5-17 '63.

Dynamics of the organic forms of nitrogen in Podzolic soils. A.M.Lykov. Dokl TSKHA no 84:119-125 '63.

Effect of various aeration porosity on the nature of the oxidation-reduction state in turf-Podzolic soils. M V Kurlykova. Dokl TSKHA no 84:98-104 '63.

Seed germination as related to the various concentrations of oxygen and carbonic acid during the gas formation phasis in turf-Podzolic soils I.P Grechin, M V. Kurlykova. Dokl TSKHA no.84:59-66 '63.

POLAND—AGRICULTURE

Diaries of Polish peasants. B.Golebiowski. Nov.vrem. 21 no.24:27-28 Je '64.

POLAND—ARMY

Polish People's Army. Komm.Vooruzh.Sil 4 no.8:77-80 Ap '64.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov.lit.po Pol'. nos.1-3 '64.

POLAND—COMMUNIST PARTY

Editorial comment. Nov.vrem. 21 no.24:1-3, 13 Je '64.

POLAND—CRIMINAL PROCEDURE

Poland. Laws, statutes, etc. [Polish People's Republic] Pol'skaia Narodnaia Respublika. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 294 p. (Ugolovno-protsessual'noe zakonodatel'stvo zarubezhnykh sotsialisticheskikh gosudarstv)

POLAND—DISTRIBUTIVE EDUCATION

Training trade specialists in the Polish People's Republic. N.Alekseev Sov torg 36 no 6.41-43 Je '63.

POLAND—ECONOMIC CONDITIONS

Twenty years of the people's Poland. N.Volkov. Mezhdunar.zhizn' 11 no.8 140-141 Je '64.

POLAND—FOREIGN RELATIONS—RUSSIA

"Documents and materials on the history of Soviet-Polish relations." Vol. 1. February 1917 to November 1918. Reviewed by P.M.Kalinichenko. Vop.ist 39 no.6:152-1[illegible] Je '64.

Mutual cooperation of Soviet and Polish scientists. G.I. Rakhmaninov. Vest.AN SSSR 34 no.5:122-124 My '64.

POLAND—LOCAL GOVERNMENT

The experience of the October Revolution in establishing soviets as used by the Polish proletarian parties from 1918 to 1919. I.S.IAzhborovskaia. Uch.zap.Inst.slav. 28:3-25 '64.

POLAND—OIL WELL LOGGING, ELECTRIC

Electrochemical logging of oil wells in Poland. Zdislava Baleva. Geol.nefti i gaza 8 no.3:46-48 Mr '64.

POLAND—POLITICS AND GOVERNMENT

A glorious page from the history of the Polish workers' movement. A IA Manusevich. Nov.i noveish.ist. no.2:166-167 '64.

Large-scale investigation of the history of Polish political life. A IA.Manusevich. Vop ist 39 no.6. 178-181 Je '64

Polish Workers' Party as a guiding force of the national liberation struggle, 1939-1944. T.Danishevskii. Nov.i noveish.ist. no.2.79-94 '64.

POLAND—REVOLUTION, 1863-1864

D'iakov, V.A., and I.S. Miller. [Revolutionary movement in the Russian Army and the insurrection of 1863] Revoliutsionnoe dvizhenie v russkoi armii i vosstanie 1863 g. Moskva, Izd-vo "Nauka," 1964. 446 p

POLAND—SOCIAL DEMOCRATIC PARTY

Historical guilt of the Polish reformists. S M.Stetskevich. Nov i noveish.ist. no 1 163-164 '64

POLAND—SOCIALISM—PERIODICALS

"Nova Trybuna," the Polish legal paper with the same slant as "Pravda" in 1914. A.IA.Manusevich. Uch.zap.Inst.slav. 28.26-43 '64.

POLAND—SOCIALIST COMPETITION

The nationwide movement L.Stanko. Sov.profsoiuzy 20 no.13.38 Jl '64.

POLAND—SOVIETS

Research methods concerned with the operations of soviets in the Polish People's Republic. Sylwester Zawadzki. Sov.gos.i pravo 34 no.6:78-87 Je '64.

POLAND—STATISTICS

Achievements in the national economy of Poland for 20 years. Vest.stat. no.6 90-96 '64.

POLAND—STRIKES AND LOCKOUTS

The strikes in Poland from 1920 to 1931. V.I.Korpov. Uch.zap.Inst.slav. 28:105-121 '64.

POLAND—TECHNICAL EDUCATION

Technical education in the schools of People's Poland. R.Polny. Shkola i proizv. 6 no 7:77-78 Jl '64

POLAND—WORLD WAR, 1939-1945

Book about soldiers of victory. V Borovik. Voen.-ist. zhur 5 no.5:102-104 My '63.

A meeting of the Polish Academy of Sciences dedicated to the problems of the liberation war of the Polish people from 1939 to 1945. D Georgiev. Vop.ist. 39 no.6:208-210 Je '64.

POLARIZATION (ELECTRICITY)

Discharge of a carbonate ion on a platinum anode. G.G. Arkhipov, A.M.Trunov, G.K.Stepanov. Trudy Inst. elektrokhim.UFAN SSSR no.4:41-45 '63.

Measurement of polarization in the cathodic isolation and anodic dissolution of copper in molten copper chloride. N.A.Saltykova, A.N.Baraboshkin. Trudy Inst.elektrokhim.UFAN SSSR no.4:35-39 '63.

Polarization of chromium in solutions of ammonium sulfates and bivalent chromium. A.I.Zaints, L.K. Chebukina. Ukr.khim.zhur. 30 no.4:330-337 '64.

Polarographic catalytic hydrogen waves produced by organic catalysts. Part 2. V.Hanus, S.G.Mairanovskii, J.Koutecky. Zhur.fiz.khim. 36 no.9:2010-2017 S '62.

Voltammetric measurements of the polarization of electrodes in a medium of liquid hydrogen fluoride. E.A.Aikazian, N.M.Arakelian, S.E.Isabekian. Izv.AN Arm.SSR,Khim.nauki 17 no.2:131-136 '64.

POLARIZATION (LIGHT)

Achromatic half-wave plate. B.N.Grechushnikov, G.D. Shnyrev, I.P.Petrov. Kristallografiia 9 no.3:421-423 My-Je '64.

Photoelectric device for measuring the degree of polarization of luminescence V.N.Vishnevskii, A.N Shibistyi. Prib i tekh.eksp. 8 no.6.154-155 N-D '63

Rotation of the polarization plane in quartz near the temperature of phase transition. L.F.Mikheeva, O.A. Shustin. Kristallografiia 9 no.3:423-425 My-Je '64.

POLARIZATION (NUCLEAR PHYSICS)

Capture of μ-mesons by polarized nuclei with spin 1/2. A.P.Bukhvostov, N.P.Popov. Zhur.eksp.i teor.fiz. 46 no.5:1842-1852 My '64.

High-energy quasi-monochromatic and polarized gamma quanta. F.R.Arutiunian, V.A.Tumanian. Usp.fiz. nauk 83 no.1:3-34 My '64.

Polarization of electrons in an inhomogeneous magnetic field. S.S.Sannikov. Zhur.eksp.i teor.fiz. 46 no.5:1761-1763 My '64.

POLAROGRAPHY

Copper determination with the help of a recording polarograph. G.A.Kopylov. Trudy IPI no.16:173-176 '63.

Nature of the second catalytic wave of proteins in cobalt salt solutions. S.G.Mairanovskii, E.F.Mairanovskaia. Izv.AN SSSR.Ser.khim. no.5:947 My '64.

POLYMERIZATION (Continued)

Polymerization of 3,3,3-trichloropropylene under pressure. [illegible], T A [illegible], G P Lopatina. Vysokom soed 6 no 4 [illegible] Ap '64

Possibility of synthesizing macromolecular compounds from diethynylbenzene under conditions of the polyrecombination reaction. S L Sosin, V V Korshak, V P [illegible]. Vysokom soed 6 no 4 743-750 Ap '64

Preparation of polymers by polyrecombination of the [illegible] and aliphatic acid. [illegible] Vasnev, S L Sosin, V V Korshak. Vysokom soed 6 no 5 [illegible] My '64.

Preparation of polymers by the polycyclization reaction. Part 1. Preparation of mixed polyamidobenzimidazoles [illegible] 3,3'-diaminobenzidine, hexamethylenediamine, and [illegible] of [illegible] acid. V.V Korshak and others. Vysokom soed 6 no 5 901-905 My '64

[illegible] alkaline polymerization in organic solvents. A P [illegible], K A [illegible], [illegible]. Khim. prom [Ukr.] no 4, [illegible] O-D '63

Radiation [illegible] copolymerization of ethylene and carbon dioxide. L F [illegible], A I D[illegible]ntsev. Neftekhimiia 4 no 1 66-76 Ja-F '64

Radiation polymerization of hexachloropropylene in the liquid and solid phases. I.V. Volkova, A. I. [illegible]. Vysokom soed 6 no 5 [illegible]964 My '64.

Rearrangement of radicals in the telomerization of ethylene by acetic acid. R Kh Freidlina, S N Aminov, A B Terent'ev. Dokl AN SSSR 156 no 5 1133-1136 Je '64

Relative activities of monomers in the copolymerization of glycidyl methacrylate with styrene. Vysokom soed 6 no 5 796-[illegible] My '64.

Stereospecific effects in interfacial polycondensation. I.N.Topchieva and others. Dokl. AN SSSR 156 no.4: 929-931 Je '64

Synthesis and studies of polycarbonates by the interfacial polycondensation method. Part 6: Effect of emulsifiers on the course of the interfacial polycondensation of 2,2'-bis-(4-hydroxyphenyl) propane and phosgene and on the rate of hydrolysis of phosgene. O V Smirnova, I P Losev, F Khorvat. Vysokom soed 6 no 4: 534-5[illegible] Ap '64

POLYMERS

Accelerated growth of the industry producing polymer building materials. A.G. Zaitsev. Stroi. mat. 10 no.3 2-6 Mr '64

Calculation of volume effects in linear polymer chains by the Monte-Carlo method. A K.Kron, O.B. Ptitsyn. Vysokom soed 6 no.5 862-867 My '64.

Capillary chromatography of technical vinylcyclohexane. V T Sviatoshenko. Neftekhimiia 4 no 1 151-155 Ja-F '64

Effect of plasticization on the relaxation properties of rubberlike polymers over a wide temperature range. IU.V. Zelenev, G.M. Bartenev. Vysokom. soed. 6 no.5 915-922 My '64.

Effect of the structure of initial biphenols on the properties of polyarylates. V.V Korshak, S.V.Vinogradova, V.A Pankratov. Dokl. AN SSSR 156 no.4:880-883 Je '64.

Genel', S.V., N.IA. Kestel'man, and V.N. Kestel'man. [Polymeric materials in food machinery manufacture] Polimernye materialy v pishchevom mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 382 p.

Kinetics of ion extraction by polymeric complex-forming films. A.A.Efendiev and others. Zhur. fiz khim. 38 no.4:1035-1038 Ap '64

Kinetics of the swelling of polymers. R.M.Vasenin. Vysokom. soed. 6 no 4:624-629 Ap '64.

Kolesnikov, G.S., ed. [Chemical properties and the modification of polymers] Khimicheskie svoistva i modifikatsiia polimerov, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 286 p (Vysokomolekuliarnye soedineniia)

Korshak, V.V., and S V. Vinogradova. [Polyarylates] Poliarilaty. Moskva, Izd-vo "Nauka," 1964. 67 p.

Mechanical fracture of solid polymers. M. I. Bessonov. Usp. fiz. nauk 83 no. 1 107-135 My '64.

Mechanical properties of polymer mixtures. Part 2: Mixing of amorphous polymers with amorphous polymers and of crystalline polymers with crystalline polymers. G. L. Slonimskii and others. Vysokom soed. 6 no. 5: 818-822 My '64.

Molecular motion in polymers. G.P. Mikhailov, T.I. Borisova. Usp. fiz nauk 83 no. 1:63-70 My '64.

Phosphorus-containing polymers. Part 12: Synthesis of polymeric analogs of phosphorus-containing insecticides. K A Petrov and others. Vysokom. soed. 6 no.5 929-

[illegible]taining polymers based on polyamido-[illegible]d phosphites. K A. Petrov and others. [illegible]0-23 '64.

[illegible] polymers under simple load. [illegible]uprug. i plast. no. 3:172-181

[illegible]ing in railroad automatic con-[illegible] systems. I A Agaponov [illegible] no 2:1-3 F '64.

Polymers with a conjugation system. Part 1: Synthesis and study of the electrophysical properties of polymeric phthalocyanines. A. A. Berlin and others. Vysokom. soed. 6 no.5 832-837 My '64

Polymers with inorganic principal molecule chains. Synthesis of polyorganophosphoralumoxanes. A. A. Zhdanov and others. Vysokom. soed. 6 no. 5:940-944 My '64

Regulation of the supermolecular structure of polymers by the introduction of artificial crystallization nuclei. V. A Kargin, I. I Sogolova, T. K Shaposhnikova. Dokl. AN SSSR 156 no. 5 1156-1158 Je '64

Studies on polymers with inorganic main molecular chains. K. A. Andrianov. Vest. AN SSSR 34 no. 5 38-46 My '64

Synthesis of block copolymers of 2-methyl-5-vinylpyridine. IU.G. Kriazhev, Z. A. Rogovin. Vysokom. soed 6 no 4: 672-676 Ap '64.

Synthesizing sodium alkylbenzene sulfonates (sulfonol NP-1) on a base of propylene polymers. L A Potolovskii, A I Doladugin, I F Blagovidov. Trudy VNII NP no 9 110-170 '63

Use of polymer materials in the manufacture of furniture. N. M. Polikashev, N. A. Ivanov. Der. prom. 13 no. 6 1-3 Je '64.

Use of the polarographic method in the determination of the molecular weight of some polymers. V. D Bezuglyi, E. K. Saliichuk. Vysokom soed 6 no. 4 605-607 Ap '64

POLYMERS—DRYING

Continuous drying of free-flowing polymeric materials in a fluidized bed and in suspension. N. I Gel'perin, M. K. Dubinin, O. I. Podgaetskaia. Khim. prom no. 10 770-775 O '63.

POLYMERS—ELECTRIC PROPERTIES

Sazhin, B. I. [Electric conductivity of polymers] Elektroprovodnost' polimerov. Pod red. G. P. Mikhailova. Moskva, Izd-vo "Khimiia," 1964. 115 p.

POLYMERS—OPTICAL PROPERTIES

Theory of anomalous angles in flow birefringence of polymer solutions. IU. IA. Gotlib, IU. E. Svetlov. Vysokom. soed. 6 no. 5 771-776 My '64.

POLYMERS—TESTING

Determination of the mechanical characteristics of polymer materials by stress relaxation at a constant strain. G L. Slonimskii, L. Z. Rogovina. Vysokom soed. 6 no. 4:620-623 Ap '64.

POLYMERS—THERMAL PROPERTIES

Determination of the heat resistance of polymeric materials. S. E. Smirnova-Zamkova. Ukr. khim. zhur. 30 no. 1:107-108 '64.

Temperature dependences of the heat conductivity and thermal diffusivity of certain unsaturated polymers. V. S. Bil', N. D. Avtokratova. Teplofiz. vys. temp. 2 no. 2 192-198 Mr-Ap '64.

Thermal properties of polymers. IU A. Kirichenko, B N. Oleinik, T Z. Chadovich. Inzh.-fiz zhur. 7 no 5 70-75 My '64

POLYMERS, EFFECT OF RADIATION ON

X-ray induced photoconductivity of polychlorotrifluoroethylene. F. F. Kodzhespirov, F I. Kolomoitsev, A IA. IAkunin. Izv. vys. ucheb. zav., fiz. no. 2:142-146 '64.

POLYMERS, HIGH see Macromolecular compounds

POLYMYXINS

Using polymyxin in endometriosis of cows. L. A. Denisov. Trudy Smol. NIVS no 2:264-269 '62

POLYNOMIALS

Factorization of a polynomial of Bessel operators. S. I. Osipov. Zhur. vych. mat. i mat. fiz. 4 no. 1: 149-155 Ja-F '64.

γ-Polynomials. γ-Analytic functionals. E. V. Maikov. Dokl. AN SSSR 156 no. 5 1025-1028 Je '64.

Polynomials bounded in equidistant nodes. O. A Chuprigin. Dokl. AN BSSR 8 no. 4:217-219 Ap '64.

POLYPLOIDY

Natural polyploidy in fruit mulberry and its role in breeding. I. K. Abdullaev. Dokl. AN Azerb. SSR 19 no. 10:79-83 '63.

New data on the biology and seed reproduction of the highly polyploidic "Khar-tut" mulberry (*Morus nigra L.*). I. K. Abdullaev, N. A. Dzhafarov. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 2. 25-32 '62.

POLYPORACEAE see subdivision under Armenia

POLYPROPYLENE

Mechanical properties of polymer mixtures. Part 3: Mixing of polyisobutylene with polyethylene. Definitely polymer mixtures. G. L. Slonimskii, I. N. Musaelian, V. V. Kazantseva. Vysokom. soed. 6 no. 5:823-826 My '64.

Stereospecific radical polymerization of propylene at high pressures. A. A. Zharov and others. Vysokom. soed. 6 no. 5:962-963 My '64.

POLYPROPYLENE—SPECTRA

Study of the kinetics of free radical conversions in γ-irradiated polypropylene by means of ESR spectra. V. K Milinchuk, S IA. Pshezhetskii. Vysokom soed 6 no. 4:666-671 Ap '64

POLYPROPYLENE, EFFECT OF RADIATION ON

Effect of ionized radiation on the structure of polypropylene. N A. Slovokhotova and others. Vysokom. soed. 6 no. 4:608-614 Ap '64

POLYSACCHARIDES IN THE BODY

Histochemical research data on polysaccharides in the testis of irradiated rats. A. K. Mirakhmedov. Uzb. biol. zhur. 7 no 6:77-79 '63.

POLYZOA, FOSSIL see subdivision under Podolia

PONS VAROLII—DISEASES

Craniographic diagnosis of diseases of the cerebellopontile angle. B N. Pil', V N. Gusakova. Trudy Gos nauch.-issl. psikhonevr inst 31:129-143 '63

POPOV, IVAN SEMENOVICH, 1888-1964

Ivan Semenovich Popov. N P Rostovtsev. Vest sel'khoz. nauki 9 no 4:157-158 Ap '64.

POPOV, OLEG KONSTANTINOVICH, 1930-

Angarskii, V. M., and A. V. Viktorov. Oleg Popov. Moskva, Iskusstvo, 1964. 133 p. illus.

POPOVICH, PAVEL ROMANOVICH, 1930-

Sports wings. Kryl. rod 15 no. 6:6-7 Je '64.

POPULISM (NARODNICHESTVO)

"Revolutionary populism in the 1870's by Maria Wawrykowa. Reviewed by M. P Rud'ko. Ukr. ist. zhur. 8 no. 2:148-149 Mr-Ap '64

PORK INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for cutting the middle part of a bacon half-carcass in loin and breast. I. S. Bashilov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:54-55 Ap '64.

POROSITY

Change in the porous structure of xerogel of silicic acid under the effect of hydrothermal treatment of hydrogel. V. M. Chertov, D. B Dzhambaieva, I. E. Neimark. Dop. AN URSR no. 5:613-616 '64.

Study of the internal structure of cellulose based on argon sorption isotherms. J Ruzicka, L. Kudlacek. Vysokom. soed. 6 no. 4:577-586 Ap '64.

PORTAL VEIN—RADIOGRAPHY see Splenoportography

PORTLAND CEMENT

(see also subdivision under Magnitogorsk)

Effect of the organosilicon fluid GKZh-94 on the process of grinding Portland cement in ball mills. O. O. Alent'iev, O. O. Pashchenko, N. M. Kaloinyk. Dop. AN URSR no. 5:621-623 '64.

POSITRONS

Some properties of the positron radiation induced by an antineutrino flux on protons $(\gamma + p \rightarrow n + \delta)$. G. V. Shishkin. Izv. vys. ucheb. zav.; fiz. no. 2:31-30 '64.

POSTAL SERVICE

(see also subdivision under Lithuania)

[Mechanization and automation of mail processing operations] Mekhanizatsiia i avtomatizatsiia obrabotki pochty; informatsionnyi sbornik. Moskva, Izd-vo "Sviaz'," 1964. 77 p. (Pochtovaia tekhnika)

POSTERS

Low-quality posters. N. I. Terunt. Ryb. khoz 40 no. 1: 92-93 '64.

With the language of posters. L. Beliakov. Bibliotekar' no. 6:28-31 Je '64.

POSTERS—EXHIBITIONS see subdivision under Moscow

POSTOPERATIVE CARE

[illegible]

(DNLM)

Ryzhov, P. V. [Preoperative and postoperative periods in elderly patients] Predoperatsionnyi i posleoperatsionnyi periody u bol'nykh pozhilogo vozrasta. Kishinev, Kartia Moldoveniaske, 1964. 167 p. (DNLM)

POTASH see subdivision under Drogobych District

POTASH MINES AND MINING see subdivision under Kama Valley; Solikamsk

POTASSIUM—ABSORPTION SPECTRA

LII, III absorption spectra of potassium and chlorine in KCl. A. P. Lukirskii, T. M. Zimkina. Izv. AN SSSR. Ser. fiz. 28 no. 5:765-771 My '64.

PRECIPITATION (METEOROLOGY) see subdivision under Komi A. S. S. R.

PRECISION CASTING—EQUIPMENT AND SUPPLIES

Sprue for patterns in precision investment casting. G.F.Basilevich Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform 17 no.4, 24-25 Ap '64.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENEDIONE

Diagnosis of a congenital adrenogenital syndrome L.G. Tumilovich, I I. Zolotarev. Sov.med. 27 no 10 112-115 O '63.

Some forms of sterility and their treatment with prednisolone. M L.Krymskaia, N. T. Starkova. Akush.i gin no 1.3-8 '63.

PREGNADIENETRIONE

ACTH and corticosteroid hormones in the treatment of eczema in nursing infants and young children [with summary in English] M E Lipets Vest derm i ven 37 no 9 29-34 S '63

PREGNANCY

Alkaline phosphatase activity in pregnancy M. A. Repina. Akush.i gin. no.1.107-110 '63

Course of pregnancy and labor after diathermocoagulation of the cervix uteri. A. B Gillerson, A S Pshenichnikova Akush.i gin. no.1 64-67 '63.

Procreative function of women after surgical diathermy of the cervix uteri. L. N. Startseva Akush.i gin. no.1·57-63 '63.

PREGNANCY, COMPLICATIONS OF

Acute pancreatitis as a complication of toxicosis in the second half of pregnancy. N.K. Berashevich, A A Siviakov, IU.N. Andriushin Akush i gin. no.1 121-123 '63.

A case of hydrocephalus in a newborn infant caused by listeriosis. N.S.Ogneva. Akush. i gin. no.1 127 '63.

A case of recovery of the mother from impetigo herpetiformis. V.D.Kopp. Akush.i gin. no.1 126 '63.

Course of pregnancy and labor after thrombophlebitis of the deep femoral vein. L. A. Zatsiorskaia. Akush. i gin. no.1:110-112 '63.

Features of higher nervous activity in incomplete pregnancy. IU.F.Zmanovskii, V.N.Shishkova Akush.i gin. no.1 67-72 '63

Hemorrhage into the bladder in pregnancy. S. A. Putilin. Akush.i gin. no.1 118-120 '63.

Poliomyelitis in women during the second half of pregnancy. L. L. Levinson. Akush.i gin. no.1:125-126 '63.

Prothrombin-forming function of the liver in pregnancy toxicoses. S M.Gevorkian. Izv.AN Arm.SSR.Biol. nauki 15 no.5:71-76 My '62.

Two cases of pregnancy and labor complicated by an acute onset of hemiplegia. A.V.Sosniakova. Akush.i gin. no.1:123-124 '63.

PRENATAL CARE

Determination of the duration of prenatal leave. N.I. Turoverova. Akush.i gin. no.1·98-101 '63.

Simpozium po bor'be s perinatal'noi smertnost'iu, Moscow, 1962. [Ways of decreasing perinatal mortality, transactions] Puti snizheniia perinatal'noi smertnosti, trudy. Pod red. V.I Bodiazhinoi i L. K. Skorniakovoi. Moskva, Meditsina, 1964. 31 p. (Nauchno-populiarnaia literatura)
(DNLM)

PREOPERATIVE CARE

Arkhangel'skaia-Levina, M. S. [Basic stages in the management of surgical patients] Osnovnye etapy vedeniia khirurgicheskikh bol'nykh. Moskva, Izd-vo "Meditsina," 1964. 226 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Methodology for the evacuation of the intestinal content before operations for acute intestinal obstruction. IU.M. Dederer. Sov.med. 27 no.10:131-133 O '63.

Ryzhov, P.V. [Preoperative and postoperative periods in elderly patients] Predoperatsionnyi i posleoperatsionnyi periody u bol'nykh pozhilogo vozrasta. Kishinev, Kartia Moldoveniaske, 1964. 187 p.
(DNLM)

PREPARATION 125

Nitrafen. A.I.Kulikov and others. Zashch.rast.ot vred. i bol. 9 no.2:38 '64.

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING

New rules governing prescription writing. O.D. Shchepeliaiev. Farmatsev.zhur. 14 no.4:83-85 '59.

PRESS see subdivision under Cuba

PRESS LAW

Berezhnoi, A. F. [The Press Bill and "Pravda," 1912 - 1914] Zakonoproekt o pechati i "Pravda" (1912 - 1914 gg.) Leningrad] Izd-vo Leningr.univ., 1962. 49 p.

PRESSURE

Axisymmetric problem on the pressure of a flat circular stamp on an elastic semispace in the presense of cohesion IA.M.Kizyma, D.V.Hrylyts'kyi. Prykl. mekh. 10 no.3:297-304 '64.

Calculation of a beam lying on a yielding foundation during the presence of a fixed dependence between pressures and settling. A.A.Sladkopevtsev. Izv.vys ucheb.zav., stroi i arkhit. 6 no.7 3-8 '63

Investigating the effect of reservoir pressure averaging on the external boundary of a reservoir IU.P. Borisov, V.P.Tabakov. Nauch.-tekh.sbor.po dob. nefti no 20:28-31 '63.

PRESSURE GAUGES

Half expanded form of the basic equation for the manometric head of a sinking centrifugal electric pump. A.M.Pogorel'skii, R.V.Babaev. Izv.vys.ucheb.zav., neft' i gaz 7 no.3 75-78 '64.

PRESSURE REGULATORS see subdivision under Texas

PRESTRESSED CONCRETE CONSTRUCTION

Experience in manufacturing eighteen meter long BNSD-18-2 beams with prestressed components. S.E.Moskalenko Energ.stroi. no.37:56-58 '63.

Frenkel', P.M., ed. [Use of prestressed reinforced concrete in foreign countries] Primenenie predvaritel'no napriazhennogo zhelezobetona za rubezhom. Moskva, Stroiizdat, 1964. 85 p.

PREVENTIVE MEDICINE see Medicine, Preventive

PRICE REGULATION

Bronstein, Mihaila, and Herbert,Metsa. [Value, price, and price policy] Vaartus, hind ja hinnapoliitika. Tallinn, Eesti Riiklik Kirjastus, 1964. 133 p. [In Estonian]

PRICES

Akademiia nauk SSSR. Otdelenie ekonomiki. Nauchnyi sovet po problemam tsenoobrazovaniia. [Accounting for the consumer properties of production in price determination, materials of the Second Enlarged Session of the Academic Council for Problems of Price Determination, March 26-30, 1963] Uchet potrebitel'skikh svoistv produktsii v tsenoobrazovanii, materialy vtoroi rasshirennoi sessii Nauchnogo soveta po problemam tsenoobrazovaniia (26-30 marta 1963 g.). Pod red. V.P.D'iachenko. Moskva, Izd-vo "Nauka," 1964. 326 p.

Application of mathematics in planning prices. A Komin Plan khoz 41 no.6 29-38 Je '64.

Correlation between the supply and demand as a factor in price determination. V.Budaragin. Vop.ekon. no.5: 54-63 My '64.

Pervushin, V.A. [The problem of the differentiation of public labor productivity] Problema differentsiatsii proizvoditel'nosti obshchestvennogo truda. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 247 p.

Petrakov, N.IA. [Profitability and price] Rentabel'nost' i tsena. Moskva, Izd-vo "Ekonomika," 1964. 171 p.

Prices of the world capitalist market. L TSirlin. Plan. khoz 41 no 6.90-92 Je '64.

PRICES—MATHEMATICAL MODELS

Method and algorithm for calculating prices in electronic computer centers. S.Zakharov. Vop.ekon. no.5. 106-118 My '64.

PRIDNEPROVSK (UKRAINE)—EARTHWORK

Special features in conducting earthwork. M.V. Sidenko. Energ.stroi. no.37:12-15 '63.

PRIDNEPROVSK (UKRAINE)—ELECTRIC POWER PLANTS

Analysis of the expenditures of labor and measures for reducing them. R.G.Khenokh, O.I.Il'iashenko. Energ. stroi. no.37 67-70 '63.

Construction of the settlement of the Pridneprovsk State Regional Electric Power Plant. M.S.Sukhoi. Energ. stroi. no.37:64-67 '63.

Construction of the surface portion of the main structure. N.G.Reznitskii. Energ.stroi. no.37:19-24 '63.

Construction of the underground section of the main structure of the Dnieper State Regional Electric Power Plant. R.G.Khenokh. Energ.stroi. no.37:15-19 '63.

Leading Soviet thermal electric power plant. I.K. TSenenko. Energ.stroi. no.37:3-5 '63.

Manufacture of the principal sections of the main structure. V.S.Filippov. Energ.stroi. no.37:50-56 '63.

Project decisions in the construction of the Dnieper State Regional Electric Power Plant. I.G.Khristenko. Energ.stroi. no.37:8-12 '63.

PRIDNEPROVSK (UKRAINE)—ELECTRIC POWER PLANTS—WELDING

Organization of welding operations. P.N.TSipura. Energ.stroi. no.37·47-49 '63.

PRIDNEPROVSK (UKRAINE)—POWER ENGINEERING

Leading detachment of power engineering construction workers. N.N.Sedakov, V.M.Shimko. Energ.stroi. no.37:5-7 '63.

PRIMITIVE AGRICULTURE see Agriculture, Primitive

PRIMROSES

System of the primrose family (Primulaceae). N.A. Zhukova. Uch.zap.Kab.-Balk.gos.un. no.10:67-79 '61

PRINTERS see subdivision under Moscow

PRINTING

(see also subdivision under Moscow, Ukraine, Ukraine, Western; Scandinavia)

Bolotin, I.S. [Heat processes in printing] Poligraficheskaia teplotekhnika. Moskva, Mosk.poligraficheskii in-t.

Book 2. [Principles of the drying process in printing] Osnovy protsessa sushki v poligrafii. 1960. 109 p.

[MICROFILM]

Continuous production is the way to increase productivity. M.V.Kurilo, N.G.Polyp. Poligrafiia no.2:17 F '64.

Economic effectiveness of printing sheets which do not conform to the sheet holder of a press. IA.K.Shamborovskii. Poligrafiia no.2:8-9 F '64.

Economic effectiveness of various methods of printing books. V.V.Dinkevych. Nauk.zap.Ukr.poligr.inst. 15 61-76 '62.

Four hundred years of Russian book printing. A.R. Karinian. Izv.AN Arm.SSR.Obshchestv.nauki no 4 15-30 Ap '64.

Four hundred years of Russian book printing. I.M. Kaufman. Sov.bibl. no.1:8-13 '64.

Four hundred years of Russian book printing. Sem'ia i shkola 19 no 3 33 Mr '64

The 400th anniversary of printing in Russia. P.N. Fedoseev. Vest.AN SSSR 34 no.5:153-155 My '64.

How to use correctly price list No.57-01. Poligrafiia no.2:28-30 F '64.

Improving the printing of forms. E.I.Semenov, B.I.Lev. Poligrafiia no.2:5-7 F '64.

In honor of the 40th anniversary. Poligrafiia no.2:38-39 F '64.

On the eve of a glorious quatercentenary. Poligrafiia no.2:1-2 F '64.

Planning and measuring labor productivity in plants. A.M.Levin. Nauk.zap.Ukr.poligr.inst. 15:3-20 '62.

Principal stages in the development of Soviet printing. E.L.Nemirovskii. Poligrafiia no.2:33-37 F '64.

The Russian book is 400 years old. Stroi.mat. 10 no.3:10-11 Mr '64.

Work is the best answer to criticism. Poligrafiia no.2: 9-10 F '64.

PRINTING INDUSTRY

Role of the foreman in technical progress in production. IA.M.Serebrianyi. Poligrafiia no.2:3-5 F '64.

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr.proizv. no.6 Je '64.

PRINTING MACHINERY AND SUPPLIES

Automatic machinery and lines of a rotary type. L.V. Petrokas. Poligrafiia no.2:10-13 F '64.

Feeders should work more precisely and reliably. E.B. Gol'denberg. Poligrafiia no.2:14-15 F '64.

How to master the emulsion etching machinery. E.N. Tikhomirov, IU.M.Stol'tser. Poligrafiia no.2:16 F '64.

PRISONERS OF WAR, ARMENIAN see subdivision under Germany

PROBABILITIES

Determination of the probability of the origination of a new code combination in sequential transitions between discrete values of the variable. M.V.Kadzharov. Trudy GPI [Gruz.] no.3:43-49 '63.

Determining the probable characteristics of yarn tension in centrifugal spinning as dependent on the probable characteristics of yarn mass distribution along its length. L.N.Ginzburg, V.P.Khavkin. Tekst.prom. 24 no.4:16-20 Ap '64.

Method for the statistical determination of errors. B.V. Parulava. Trudy Vych.tsentr.AN Gruz.SSR 4:183-189 '64.

Random quadrature formulas of high precision. S.M. Ermakov. Zhur.vych.mat.i mat.fiz. 4 no.3:550-554 My-Je '64.

Time of emergence of a dynamic system from a given region under conditions of fluctuation. V.M.Honcharenko. Dop.AN URSR no.5:583-586 '64.

[illegible]

PROPAGANDA, COMMUNIST

[illegible]

PROPERTY INSURANCE see Insurance, Property

[illegible]

PROPHYLAXIS

[illegible]

PROSPECTING
(see also subdivision under Kama Valley)

Grachev, R. L., and others [Determining the efficiency of geological prospecting, methodological instructions] Opredelenie effektivnosti geologorazvedochnykh rabot, metodicheskie ukazaniia Leningrad, Nedra, 1964 81 p (Leningrad Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.229)

Gudkov, A S , E IA Kirilenko, and S N Kondrashev [Fundamentals of prospecting for piezo-optical mineral deposits] Osnovy poiskov i razvedki mestorozhdenii p'ezoopticheskikh mineralov, metodicheskoe rukovodstvo. Moskva, Gosgeoltekhizdat, 1963 217 p

PROSPECTING—GEOPHYSICAL METHODS
(see also subdivision under Bakr Oil Field, Kola Peninsula, Pechenga District, Tigil' District)

Krolin, A. I., ed. [Problems in nuclear geophysics, collection of articles] Problemy iadernoi geofiziki, sbornik statei. Moskva, Nedra, 1964 213 p

Basic criteria for the identification of refracted waves in a region of overlapping transverse hodographs [illegible] Iz. AN SSSR Ser geofiz no 5 718-727 My '64

Remote identification of rocks and coals from the attenuation of reflected ultrasonic oscillations M N Gumaniuk Izv AN SSSR Ser geofiz no 5 654-664 My '64

Selecting the optimal loop size for the exploration of a spherical ore body. P D.Kochanov. Zap LGI 46 no.2:111-112 '63

Statistical determination of the depth of the source of magnetic field anomalies I G Klushin, I.N.Tolstikhin Zap LGI 46 no 2;63-70 '63.

PROSPECTING—SAFETY MEASURES
Drogalin, G. V , D. M Kuras, and IA. L Polesin. [Safety measures in geological prospecting] Tekhnika bezopasnosti pri geologorazvedochnykh rabotakh Izd 2 Moskva, Izd-vo "Nedra," 1964 440 p

PROSTHESIS
Terms should be revised P.Semidetova. Sots.obesp. 25 no.3;50-51 Mr '64.

PROTACTINIUM
Extraction of n-benzoylphenylhydroxylaminates of protactinium, zirconium, and niobium from sulfuric acid solutions. R A. D'iachkova, Vikt. I. Spitsyn. Radiokhimiia 6 no.1 102-104 '64.

PROTECTION OF PLANTS see Plants, Protection of

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS
Finely dispersed polyamides and antifriction coatings made from same. K N Vlasova and others. Plast massy no 1 14-16 '64

Formation of bacterial film on plates covered with antifouling paints and submerged into sea water. IU. A. Gorbenko. Trudy SBS 16 447-452 '63.

Investigating the fatigue stresses of pressed electroplated joints. G. A Bobrovnikov. Izv. vys. ucheb. zav., tekh. leg prom. no.2;151-153 '64.

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Protecting pipelines from corrosion] Zashchita truboprovodov ot korrozii. Moskva, 1962. 119 p. (Perevody No. 13-19/623 k.)
[MICROFILM]

New protective coatings and cements for parts of papermaking machinery. A. M. Levinson, A. V. Svitneva. Bumagodel. mash. no. 11 258-262 '63.

Role of primary film in the mechanism of action of antifouling paint. A Z Shapiro. Trudy SBS 16 453-456 '63.

Using anticorrosive greases in subways. S.N.Vlasov, V F.Negreev, D M Abramov. Transp stroi. 14 no.3; 43-45 Mr '64.

PROTECTIVE COATINGS—EQUIPMENT AND SUPPLIES
Unit for applying powdery polymer coatings. M. D. Zhadobko, I S Kipnis. Vest. mashinostr. 44 no. 5; 52-53 My '64

PROTECTIVE COATINGS—STANDARDS
[Protective coatings] Zashchitnye pokrytiia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 50 p. (SSSR. Gosudarstvennye standarty)

PROTEIN METABOLISM
Clinical significance of the changes in some indicators of protein and lipid metabolism in patients with suppurative lung diseases. V. I Semenov, P. M. Savenkov. Sov. med. 27 no. 10.12-19 O '63

Digestion and protein metabolism in swine fed mixed feeds. A. M. Starovoitov. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32 100-111 '62.

Effect of levomycetin on the intensity of protein and nucleic acid synthesis in Escherichia coli B. A. G. Skavronskaia, N. B. Borisova, L. R. Gol'dina. Zhur. mikrobiol., epid. i immun. 40 no. 5;138-143 My '63.

Protein metabolism in the brain. V. I. Rozengart, M. N. Maslova. Vop. med. khim. 9 no. 1;3-15 Ja-F '63.

Role of the digestive tract in the protein and fat metabolism A D Sineshchekov Vest sel'khoz nauki 9 no 5 60-66 My '64

PROTEINASES
Some data on the activity of proteinases of Staphylococcus albus in vitro and in the process of toxin formation. M. V. Smirnova, Z. I. Lebedeva. Vop. med. khim. 9 no. 1 44-48 Ja-F '63

PROTEINS
Alkaloids bound by proteins V. F. Kramarenko Farmatsev zhur 16 no 4 16-20 '61.

Effect of ionizing radiation on the protein synthesis V. D. Blokhina Usp. sovr biol 57 no 3 394-403 My-Je '64.

Effect of summer planting and early harvesting on the quantity of soluble protein and starch in potato tubers G F Shumetov Agrobiologiia no 2 298-300 Mr-Ap '64

Golant, B. IA. [Enrichment of food products with proteins of vegetable origin with a high content of amino acids] Obogashchenie pishchevykh produktov proteinami rastitel'nogo proiskhozhdeniia s vysokim soderzhaniem nezamenimykh aminokislot. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 96 p.

Nature of the second catalytic wave of proteins in cobalt salt solutions. S. G. Mairanovskii, E F Mairanovskaia. Izv. AN SSSR Ser. khim. no.5:947 My '64.

Presence of a specific protein with the coronary dilating property in the hypothalamus A. A Galoian Dokl. AN Arm. SSR 38 no. 5 305-308 '64.

Variability of milk protein as related to the origin of animals [with summaries in English, German, and French]. N L. Morosina. Vest. sel'khoz. nauki 8 no. 9, 69-71 S '63

PROTEINS IN THE BODY
Change in water-soluble muscle proteins after removal of a hemostatic tourniquet. A. A. Novikova, E. F. Lukashevich. Vop. med. khim. 9 no. 1.16-19 Ja-F '63.

Comparative chemical architectonic of functional protein groups of cortical nuclei of the cutaneous and motor analysors in cats. L. M Gershtein Zhur. vys. nerv. deiat. 14 no. 2 346-350 Mr-Ap '64.

Histochemical studies on thiol groups of proteins in various structures of the visual analysor in rabbits and guinea pigs in ontogenesis. A. S. Chekunov. Zhur. vys. nerv. deiat. 14 no. 1 155-160 Ja-F '64.

Study of the brain suspension of mice infected with the virus of tick-borne encephalitis by the method of zonal electrophoresis on paper. V. K. Izotov. Vop. med virus. no. 6.104-107 '59.

Study of the qualitative composition of protein fractions in the brain tissue of mice infected with the virus of tick-borne encephalitis by the method of continuous electrophoresis on paper. V. K. Izotov. Vop. med. virus. no. 6:107-110 '59.

PROTEUS (BACTERIA GENUS)
Indications for skin autoplasty and characteristics of the course of trophic ulcers containing Bacillus pyocyaneus and Proteus vulgaris V. K. Apakidze Khirurgiia 38 no 12 66-68 D '62

PROTHROMBIN
Prothrombin-forming function of the liver in pregnancy toxicoses. S M Gevorkian. Izv. AN Arm. SSR. Biol. nauki 15 no.5;71-78 My '62.

PROTON BEAMS
Multiplicity of fragment formation at an incident proton energy of 660 Mev. S A Azimov, P Aflorichev, R Karimova Izv AN Uz SSR. Ser fiz -mat nauk 7 no 6 40-45 '63

PROTONS
Dependence of proton path lengths on the energy in an NIKFI-IA2 emulsion. I. Khauzer. Prib. i tekh eksp 8 no 6 168-169 N-D '63

Infrared spectra of protonated aromatic hydrocarbons. V. A. Koptiug and others. Izv. AN SSSR. Ser. khim. no. 5;948 My '64.

Proton-proton cycle and solar neutrinos. G. E. Kocharov. Dokl. AN SSSR 156 no. 4;781-784 Je '64.

Structure of the protonated ion-radical of tetraphenyl hydrazinium. G. A. Razuvaev, G. A. Abakumov, V. A. Pestunovich. Zhur. strukt. khim. 5 no. 2;307-309 Mr-Ap '64

PROTONS—SCATTERING
Analysis of Compton scattering on protons using an isobaric model. G. G. Arushanov. Izv. AN Uz. SSR. Ser. fiz. -mat. nauk 8 no. 1;61-65 '64.

Determination of the scattering constant K_a in a NIKFI-R emulsion by measuring the angular dispersion of a 9 Gev proton beam D Bozoki, E. Gomboshi Prib. i tekh eksp 8 no. 6 61-65 N-D '63

Elastic scattering of protons by tritium at energies below the threshold of a (p, n)-reaction. IU. G. Balashko and others. Zhur. eksp. i teor. fiz. 46 no. 6;1903-1906 My '64.

Kazarinov, IU. M., and others. [Measuring the coefficients of spin correlation C_{nn} and C_{kr} in elastic pp-scattering at an energy of 315 Mev. at an angle of 45° in the center-of-mass system] Izmerenie koeffitsientov spinovoi korreliatsii C_{nn} i C_{kr} v uprugom pp-rasseianii pri energii 315 Mev. pod uglom 45 v s. ts. m. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1964. 11 p.

Multiple scattering of 19.6 Kev./c protons in a nuclear emulsion. K. V. Sharapov and others. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no. 2 93-101 '63

Multiple scattering of 75 ÷ 200 Kev. protons in solids. A. A. Bedniakov and others. Zhur. eksp. i teor. fiz. 46 no. 5;1901-1903 My '64

Use of a thin $(CH_2)_n$ film as an internal proton-synchrotron target in studying elastic p - p-scattering V A Nikitin and others Prib i tekh eksp 8 no. 6 18-22 N-D '63

PROTONS—SPECTRA
Proton energy spectrum in a linear accelerator. A. B. Kuznetsov. Zhur. tekh. fiz. 34 no. 2;311-313 F '64.

PROTOPLASM
Detection in the cytoplasm of animal cells of a RNA similar in its nucleotide composition to DNA. O. P. Samarina. Dokl. AN SSSR 156 no. 6;1417-1420 Je '64

PROTOZOOLOGY
Review of V. A. Dogel', IU. I. Polianskii and E. M. Kheisin's book "General protozoology." Reviewed by A. A. Strelkov. Zool. zhur. 43 no. 2;306-308 '64.

PRUNING
Effect of various methods of pruning on the chemical composition of annual shoots and fruits of the Anna Shpet plum. S. M. Minasian, G. A. Khodzhamian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5;31-38 My '63.

Gulkanian, V. O. [Cotton surgery] Khirurgiia khlopchatnika. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 438 p.
(DNAL)

PRURIGO
Role of nurseries and kindergartens in the treatment of children with pruritic dermatoses. G. E. Kupilia Vest. derm. i ven. 37 no. 6;58-60 Je '63.

PRURITUS
Use of diazoline in pruritic dermatoses I. K. Skripkin. Vest. derm. i ven. 37 no 9;85-86 S '63

PSEUDOMONAS
Indications for skin autoplasty and characteristics of the course of trophic ulcers containing Bacillus pyocyaneus and Proteus vulgaris. V K. Apakidze. Khirurgiia 38 no. 12,66-68 D '62

PSEUDOTUBERCULOSIS—MICROBIOLOGY
Differentiation between Pasteurella pestis and P. pseudotuberculosis in rodents. R. Kh. IAfaev. Zhur. mikrobiol., epid. i immun. 40 no. 5;23-28 My '63.

PSHENICHNYI, ALEKSANDR IAKOVLEVICH, 1910-1964
Aleksandr IAkovlevich Pshenichnyi; an obituary. Meteor. i gidrol. no. 5;63-64 My '64.

PSYCHIATRY
(see also subdivision under Czechoslovakia)

Expansion of biological research in psychiatry. M. E. Vartanian. Zhur. nevr. i psikh. 63 no. 6;804-813 '63.

January Plenum of the Board of the All-Union Scientific Medical Society of Neuropathologists and Psychiatrists, informative report. G. K. Ushakov. Zhur. nevr. i psikh. 63 no. 6;948-950 '63.

Role of clinical neurology in the light of decisions of the Central Committee of the CPSU and of the Council of Ministers of the U.S.S.R. on measures for further development of biological science and strengthening its ties with the practice. N. I. Grashchenkov. Zhur. nevr i psikh. 63 no. 6;801-803 '63.

PSYCHOLOGY
Kiev. Naukovo-doslidnyi instytut psykholohii. [Psychology, textbook for pedagogical schools] Psykholohiia; pidruchnykh dlia pedagogichnykh uchylyshch. Za red. P. R. Chamata. Vyd. 3 , dop. Kyiv, Radians'ka shkola, 1964. 200 p.

Lukov, G. D., and K. K. Platonov. [Psychology] Psikhologiia. Moskva, Voenizdat, 1964. 343 p.

PSYCHOLOGY, MILITARY
What is lacking in a useful book? Komm. Vooruzh. Sil 4 no. 8;87-90 Ap '64.

PSYCHOPHARMACOLOGY
Role of dosages in drug therapy of epilepsy. E. S. Remezova. Zhur. nevr. i psikh. 63 no. 6;886-892 '63.

PSYCHOSES
Mental disturbances observed in Viliuisk encephalomyelitis. L. N. Vishnevskaia. Vop. med. virus. no. 6;222-225 '59.

PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

PYRIDINE (Continued)

Magnetic properties of some 1-substituted pyridines. [illegible] N.Selochnik A.K Sheinkman. Dokl AN SSSR 156 no 5 1197-1200 Je '64.

Properties of the dominating field in the system water - pyridine - aniline. R V Mertslin, N.I.Nikurashina Zhur ob khim 34 no.3 715-719 Mr '64.

Space groups and unit cells of organic compounds. Report No 5: Derivatives of N-oxides of pyridine and quinoline Z S.Kosturkevich. Zhur strukt.khim. 5 no.2:323-324 Mr-Ap '64

Synthesis of block copolymers of 2-methyl-5-vinylpyridine. IU G Kriazhev, Z.A Rogovin Vysokom.soed. 6 no 4: 672-676 Ap '64

PYRIDINEALANINE

Synthesis of a pyrimidine analog of phenylalanine. IU.P. Shvachkin, M K.Berestenko. Vest.Mosk.un.Ser.2: Khim 19 no.2,72-73 Mr-Ap '64.

PYRIDOINDOLE

Dynamics of histochemical changes in the enterochromaffin cells under the influence of dimekarbin V I Talapin Dokl.AN BSSR 8 no 4 267-269 Ap '64

PYRIMIDINE

Pyrimidines and amino acids: interconversions in biological and chemical systems. IU.P.Shvachkin, M A. Prokof'ev. Vest.Mosk.un.Ser.2: Khim 19 no.2:3-15 Mr-Ap '64

Structure of the pyrimidine base, a constituent of albomycin. N.A.Poddubnaia, G.I.Lavrenova, T M. Andronova. Zhur.ob.khim. 34 no.3:1030-1031 Mr '64.

PYRIMIDINEALANINE

Synthesis of a pyrimidine analog of 3, 5-dioxyphenylalanine. IU.P.Shvachkin, M.K.Berestenko, Vest.Mosk. un.Ser.2 Khim. 19 no.1,79-81 Ja-F '64.

PYRINDINE—DIPOLE MOMENTS

Dipole moments of stereo isomers of 2-methyl-4-keto-octahydro-I-pyrindine. I.IU.Kokoreva. Zhur.strukt. khim. 5 no.2:314 Mr-Ap '64.

PYRITES see subdivision under Azerbaijan, Caucasus; Caucasus, Northern; Ural Mountains

PYROCARBONIC ACID

New inhibitor in wine making. A A.Shamshurin. Priroda 53 no.6,115-116 '64.

PYROCATECHOL

Excretion of catechol amines (adrenaline, noradrenaline, dopamine and dopa) with human urine. G N.Kassil', E.Sh.Matlina Dokl. AN SSSR 156 no.5 1236-1238 Je '64

Mutual strengthening (synergism) of antioxidants. Part 4: Increased effectiveness in mixtures containing esters of pyrocatecholphosphorous acid. P.I.Levin, T.A Bulgakova. Vysokom.soed. 6 no.4:700-705 Ap '64.

PYROGRAPHY—STUDY AND TEACHING

We learn fretwork and pyrography N Litvinova Sem'ia i shkola 19 no 3 47-48 Mr '64

PYROLYSIS

High temperature pyrolysis of a butane-butylene fraction in order to obtain acetylene and ethylene simultaneously A.I.Subbotin, P S.Kogan, S.N.Kazarnovskii. Gaz prom. 7 no.6;49-53 '62

Moscow. Institut goriuchikh iskopaemykh. [Gasification and the pyrolysis of fuels; collection of articles] Gazifikatsiia i piroliz topliv; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 188 p.

Obtaining acetylene by high-temperature pyrolysis in a pipestill K A.Zubkova, O.I.Lapitskaia Nefteper.i neftekhim no.1 27-31 '64.

Pipes made from Kh2ZN18 steel in pyrolysis furnaces for hydrocarbon gases. Kh.I.Cheskis. Mash.i neft. obor. no.5 22-26 '64.

Size of the reaction zone during the autothermal conversion of methane to acetylene. A.M.Zeliznyi. Dokl. LPI 5 no.1/2;65-71 '63.

Thermal decomposition of diluted acetylene. A.M. Zeliznyi,. L.D.Strom. Dokl.LPI 5 no.1/2 72-77 '63.

Thermal pyrolysis of methane in a regeneration furnace V B Berkovich, S A Gordon Gaz.prom 7 no 2 33-36 '62.

PYROMETERS

From the Exhibition of the Achievements of the National Economy. Metalloved.i term.obr.met. no.4;51-52 Ap '64.

PYROXENES see subdivision under Sayan Mountains

PYRROLE

Synthesis of 2,2'-[3,3'-bis (β-diethylaminoethyl)-4,4'-dimethyl]-dipyrrylmethane. A.M.Fargali, R.P. Evstigneeva, N.A.Preobrazhenskii. Zhur.ob.khim. 34 no.3;898-901 Mr '64.

Synthesis of 2,4-dimethyl-3-(β-diethylaminoethyl)-5-carbethoxypyrrole and its derivatives. A.M.Fargali and others. Zhur.ob.khim. 34 no.3;893-898 Mr '64.

Q FEVER see subdivision under Gorkiy Province

QUADRICS

Metric invariants of equations of quadrics in a quasi-elliptic space. L.P.Pitsyna, L.V.Puchkova, L.V. Rumiantseva. Uch.zap MGPI no.208 265-277 '63.

Metric invariants of equations of quadrics in hyper-spaces. L.B.Vyzhgina, L.V.Puchkova. Uch.zap. MGPI no.208 214-221 '63.

Quadrics in a quasi-affine space. L.V.Rumiantseva, I N.Semenova. Uch.zap.MGPI no.208,288-297 '63.

QUALITY CONTROL

Several problems in improving the quality of consumers' goods. IA.Orlov. Vop.ekon. no.5 44-53 My '64.

QUANTUM CHEMISTRY

Theory of spin-lattice relaxation of polymer radicals in a solid. I.V.Aleksandrov, A.V.Kessenikh. Fiz.tver tela 6 no 4 1006-1012 Ap '64.

QUANTUM ELECTRODYNAMICS

Derivation of the formula describing the fine structure from a two-component equation. R.IU.Volkovyskii. Izv.vys.ucheb.zav.; fiz. no.2;69-71 '64.

Internal conversion coefficients for highly forbidden gamma transitions in nuclei. L.A.Borisoglebskii. Zhur.eksp.i teor.fiz. 46 no.5,1664-1676 My '64.

Quantum processes in the field of a plane electromagnetic wave and in a constant field. Part 2. A.I.Nikishov, V.I.Ritus. Zhur.eksp.i teor.fiz. 46 no.5;1768-1781 My '64.

QUANTUM THEORY

Efficiency of secondary-electron multipliers with Au, LiF, MgF_2, SrF_2, BeO, KCl, and CsI photocathodes within the wavelength range 23.6 113 Å. A.P. Lukirskii and others. Izv.AN SSSR,Ser.fiz. 28 no.5: 866-871 My '64.

A function describing a sequence of filling subgroups of electronic levels V.M.Klechkovskii. Dokl.TSKHA no 84,339-345 '63.

A particular case of relaxation through the exchange of oscillation quanta. A.Baidedaev. Akust.zhur. 10 no.2 239-241 '64.

Possibility of the appearance of negative temperatures in an impurity semiconductor. Part 2. A.A.Kolesnikov, Z.I.Uritskii. Izv.vys.ucheb.zav., fiz. no.2; 23-27 '64.

Possible appearance of negative temperatures in impurity semiconductors. A.A.Kolesnikov, Z.I.Uritskii. Izv. vys.ucheb.zav.; fiz. no.2;171-173 '64.

Quadrupole oscillations of axial nuclei in the representation of second quantization. D.P.Leper. Izv.AN Kazakh.SSR,Ser.fiz.-mat.nauk no.2;3-13 '63.

Quantum theory of the propagation of electromagnetic waves in metals in a magnetic field. V.G.Skobov, E.A.Kaner. Zhur.eksp.i teor.fiz. 46 no.5;1809-1819 My '64.

Structure of collective excitations of spherical nuclei. V.G.Zelevinskii. Zhur.eksp.i teor.fiz. 46 no.5; 1853-1856 My '64.

Structure of the conduction band in GaP. S.A.Abagian, V.K.Subashiev. Dokl.AN SSSR 156 no.4;763-765 Je '64.

Study on the quantum theory of collisions. Part 4. V.D. Kamenetskii. Izv.vys.ucheb.zav.; fiz. no.2;60-65 '64.

Theory of excited states of odd nuclei with slight non-axiality Sh.Sharipov. Izv.AN Uz.SSR.Ser.fiz -mat. nauk 7 no 6 58-62 '63

Transition of a negative μ-meson from a proton to carbon. V.G.Zinov, A.D.Konin, A.I.Mukhin. Zhur. eksp.i teor.fiz. 46 no.5;1919-1920 My '64.

Use of the method of gamma-quantum resonance scattering in determining the lifetime of the second excited state of nuclei. A.F.Akkerman, E.IA.Vil'kovskii, V.N.Chekanov. Izv.AN Kazakh.SSR,Ser.fiz.-mat. nauk no.2;19-30 '63

QUARRIES AND QUARRYING
(see also subdivision under Perm Province)

Mechanization of quarries and machines of continuous operation for the automation of hauling units. G.Fominykh. Sbor.po.obm.opyt.v tsem.prom. no.2;12-16 '60.

Reducing the output of oversize in limestone quarries of the Teploye Ozero cement plant. B.M.Khar'kov, A.S.Savushkin. Gor.zhur. no.11;63-64 N '63.

QUARRIES AND QUARRYING—EQUIPMENT AND SUPPLIES

Efficiency of various types of quarrying machines used in open workings. P.V.Kozhukhar'. Izv.AN Mold. SSR no.8;64-76 '61.

QUARTZ
(see also subdivision under Zastavna region, Chernovtsy Province)

Adsorption properties and hydration of a quartz surface (remarks on the articles by M.M.Egorov, V.F.Kiselev, E.G.Krasil'nikov). S.P.Zhdanov. Zhur.fiz.khim. 36 no.9;2098-2102 S '62.

Rotation of the polarization plane in quartz near the temperature of phase transition. L.F.Mikheeva, O.A. Shustin. Kristalografiia 9 no.3;423-425 My-Je '64.

QUARTZ CRYSTALS

Giant quartz crystal from a pegmatite body. L.A. Pi.kazchikov and others. Zap.Vses.min.ob-va 93 no.2:212-219 '64.

QUARTZ CRYSTALS—GROWTH

Effect of the rate of growth on the concentration of smoke-colored centers and on the parameters of the elementary cell in synthetic quartz crystals. L.I. TSinober, I.E.Kamentsev. Kristalografiia 9 no.3; 448-450 My-Je '64.

QUARTZ CRYSTALS, EFFECT OF RADIATION ON

Electron paramagnetic resonance spectra of γ-irradiated germanium-activated quartz crystals S V Starodubtsev, Sh A Vakhidov Izv AN Uz SSR Ser.fiz -mat. nauk 7 no 6 46-50 '63

QUATERENE

Mechanism of coronary vasodilative action of quaterene. R.A.Aleksanian. Dokl.AN Arm.SSR 38 no.4;239-243 '64.

QUEEN MAUD LAND—LANDFORMS

Relief forming activity of thawing waters in the mountains of the Queen Maud Land V.I.Bardin Vest. Mosk.un.Ser.5: Geog. 10 no.3;90-91 My-Je '64.

QUEEN MAUD LAND—THAWING

Relief forming activity of thawing waters in the mountains of the Queen Maud Land. V.I.Bardin. Vest. Mosk.un Ser.5: Geog. 19 no 3;90-91 My-Je '64.

QUINALDEHYDE

Synthesis of α,β-unsaturated ketones based on quinaldehyde. S.V.TSukerman, Chan Kuok Shon, V.F.Lavrushin. Zhur.ob.khim. 34 no.3;832-837 Mr '64.

QUINAZOLINONE

Heterocycles. Part 35: Use of polyphosphoric acid for the synthesis of quinazolone compounds. P.A.Petiunin, IU.V.Kozhevnikov. Zhur.ob.khim. 34 no.3;854-856 Mr '64.

QUINOLINE

Effect of cyclic side substitutes on the electron system of 7-chloro-4-aminoquinoline. V.I.Bliznlukov, L.S. Sokil. Farmatsev.zhur. 15 no.5;12-17 '60.

Space groups and unit cells of organic compounds. Report No.5: Derivatives of N-oxides of pyridine and quinoline. Z.S.Kosturkevich. Zhur.strukt.khim. 5 no.2;323-324 Mr-Ap '64.

QUINOLINEDIOL

New derivatives of 2, 4-quinolinediol. Part 1: Synthesis of some 3-(γ-chlorocrotyl)-2, 4-quinolinediols. L.V. Giul'budagian, V.A.Grigorian, A.A.Pogosian. Izv. AN Arm.SSR.Khim.nauki 17 no.2;223-226 '64.

QUINOLINEPROPIONIC ACID

Substituted hydrazides of β-(2-methyl-4-carboxy-3-quinolyl)-propionic acid. G.T.Tatevosian, A.G. Terzian, S.P.Ekmekdzhian. Izv.AN Arm.SSR.Khim. nauki 17 no.2 235-237 '64.

QUINOLINOL

Composition of a palladium compound with 8-hydroxy-quinoline. V.I.Shlenskaia, V.G.Efimova. Vest. Mosk.un.Ser.2: Khim. 19 no.1;67-71 Ja-F '64.

QUINONE

Derivatives of imidazole. Part 32: Synthesis of 4,5(6,7)-quinones of benzimidazole. E.R.Zakhs, L.S. Efros. Zhur.ob.khim. 34 no.3;956-961 Mr '64.

Derivatives of imidazole. Part 33: Synthesis of 6,7-quinones of benzimidazole. E.R.Zakhs, L.S. Efros. Zhur.ob.khim. 34 no.3;962-969 Mr '64.

Integrated intensities of carbonyl bands of the pyrone and quinone series. M.E.Perel'son and others. Izv.AN SSSR.Ser.khim. no.5;904-906 My '64.

QUINONE—ELECTRIC PROPERTIES

Electric and magnetic properties of polyarylene quinones. A.A.Dulov and others. Izv.AN SSSR.Ser.khim. no.5; 909-912 My '64.

QUMRAN COMMUNITY

New fragments of the Qumran Commentary on Nahum. I.D.Amusin. Vest.drev.ist. no.1;35-47 '64.

RABBITS

Amount of cerebrospinal fluid in rabbits. S.A.IAromenka, V.B.IAromenka. Vestsi AN BSSR.Ser.biial.nav. no.1: 97-100 '64.

RABBITS—VARIETIES see subdivision under Ukraine

RABIES
(see also subdivision under Novosibirsk Province)

Distribution of rabies abroad and in the U.S.S.R. A.M. IUrkovskii, E.G.Gordienko, N.I.Volovich. Vop.med. virus. no.6;169-171 '59.

Pathogenicity of the virus of "madness" for man. R.A. Kantorovich, A.G.Markarian. Vop.virus. no.6:747 N-D '63.

Purification of antirabic vaccine by extraction with acetone. R.M.Shen and others. Vop.med.virus. no.6;187-190 '59.

RADIO—REPAIRING

Our consultations. Radio no 5 40-41 My '64

RADIO—TRANSMITTERS AND TRANSMISSION

Portable transmitter for "fox hunting" games. B.Avdeev Radio no 5 20-21 My '64

Tatsiura, A.A., and K.N.Erpylov. [The ZhR-5 radio transmitter-receiver] Radiostantsiia tipa ZhR-5. Moskva, Transport, 1964. 163 p. (Bibliotechka elektromekhanika STsB i sviazi)

RADIO, MILITARY

The "Arrow" antenna. M Vishnevskii Voen vest. 43 no 5 102-103 My '64

The great future of radio electronics. V.Siforov. Tekh i vooruzh no 1 18-20 Ja '64

Learn communications in practice. E Kalugin. Voen. vest. 41 no.6:101-102 Je '64

Training of radiomen should be equal to the new demands, a discussion of the article published in no 10, 1963 I Rozkov and others Voen vest 43 no 5 100-102 My '64

RADIO, SHORTWAVE—TRANSMITTERS AND TRANSMISSION

Bernshtein, E.A., and N.K Rudiachenko. [Pulse-type radio transmitting devices, their calculation and design] Impul'snye radioperedaiushchie ustroistva, proektirovanie i raschet. Izd 2., stereotipnoe Kiev, Izd-vo "Tekhnika," 1964 247 p.

Drozd, A.A., and IU.A.Levitskii. [ARS-2 and TsRS-2 radio transmitters, manual on operation and repair] Radiostantsii ARS-2 i TsRS-2; posobie po ekspluatatsii i remontu. Moskva, Izd-vo lit-ry po stroitel'stvu "Stroiizdat," 1964. 135 p.

RADIO AND MUSIC

Attention! The Russian chastushka. IA Fain. Sov muz 27 no 12:100-101 D '63.

Broaden the musical horizon IU Gaverdovskii. Sov. muz. 27 no 12,94-97 D '63

Opera in concert presentation. G.Abramov. Sov muz. 27 no 12: 97-100 D '63.

RADIO ASTRONOMY

Acceleration by radiation and the generation of fast particles under cosmic conditions Part 3. Time measurements of the intensity of radio-emission sources. A.K.Gailitis V N. TSytovich. Astron.zhur. 41 no 3 452-463 My-Je '64.

Radio astronomy at the 14th assembly of the U.R.S.I. V.V.Vitkevich. Astron.zhur. 41 no.3 592-594 My-Je '64

Results of measurements of the radio-emission intensity of Tauri-A in the decimeter wavelength range. V.S. Troitskii, N.M.TSeitlin, V A. Porfir'ev Astron.zhur. 41 no.3 446-451 My-Je '64

Secondary electron component of cosmic rays and the spectrum of general galactic radio emission. V.L Ginzburg, S.I Syrovatskii. Astron.zhur. 41 no.3 433-445 My-Je '64.

RADIO CIRCUITS

Improvement of the quality of demodulators. V.S. Serzhera-Viktorova. Avtom.i telem. 25 no.3: 424-431 Mr '64.

A shortwave exciter G Liapin Radio no 5 18-19 My '64

RADIO CLUBS

(see also subdivision under Shchors, Chernigov Province)

Carrying A S Popov's name Radio no 5 3 My '64.

Club work in schools. G.G Girfanov. Shkola i proizv. 8 no.7:52-53 Jl '64

Performed by volunteers N Kazanskii. Radio no 5 12-13 My '64

RADIO DETECTORS

Improvement of the quality of demodulators. V.S. Serzhera-Viktorova. Avtom.i telem. 25 no.3: 424-431 Mr '64.

Search procedures in radio detection systems with given a priori distributions. Zh.B. Linkovskii. Radiotekhnika 19 no 5 76-77 My '64.

RADIO DIRECTION FINDERS

Dudko, G.K., and G.B.Reznikov. [Doppler devices for the measurement of speed and drift angle of an airplane] Dopplerovskie izmeriteli skorosti i ugla snosa samoleta. Moskva, "Sovetskoe radio," 1964. 343 p.

Search procedures in radio detection systems with given a priori distributions. Zh.B.Linkovskii. Radiotekhnika 19 no.5.76-77 My '64.

RADIO FILTERS

Some optimum relationships in the limitation of amplitude modulated oscillations. V.I.Grigulevich, V.A. Lobodzinskii. Elektrosviaz' 18 no.4:19-26 Ap '64.

Synthesis of low frequency filters with transfer characteristics close to monotone ones. I.I.Trifonov. Elektrosviaz' 18 no.4:27-35 Ap '64.

RADIO IN AGRICULTURE

Introduce statistics to the masses! N.Goncharov Vest stat. no.6 49-50 '63.

Radio marker in studying injurious insects. S.V.Andreev and others Vest.sel'khoz.nauki 9 no.2 122-128 F '64.

RADIO IN NAVIGATION

Berg, A.I [Selected works] Izbrannye trudy. Moskva, Izd-vo "Energiia"
Vol 1. 1964 167 p.

RADIO INDUSTRY

Mal'akhov, I.K. [Economics, organization, and planning of radio engineering enterprises] Ekonomika, organizatsiia i planirovanie radiotekhnicheskikh predpriiatii. Khar'kov, Izd-vo Khar'kovskogo gos univ., 1963. 302 p.

RADIO LINES

Litvinenko, O.N., and V.I.Soshnikov. [Theory of nonuniform lines and their use in radio engineering] Teoriia neodnorodnykh linii i ikh primenenie v radiotekhnike. Moskva, "Sovetskoe radio," 1964. 535 p.

RADIO MEASUREMENTS

Pokhodzilo, P.V. [Development of basic methods and techniques in radio measurements; an historical and technical account] Razvitie osnovnykh metodov i tekhniki radioizmerenii, istoriko-tekhnicheskii ocherk. Kiev, Izd-vo "Naukova dumka," 1964. 285 p.

RADIO MEASUREMENTS—HANDBOOKS, MANUALS, ETC.

Osipov, K.D., and V.V.Pasynkov. [Reference book on radio measuring devices] Spravochnik po radioizmeritel'nym priboram. Pod red. G.A.Remeza. Moskva, Sovetskoe radio.
Pt.5. [Supplement] Dopolnitel'naia. 1964. 397 p. diagrs. (insert)

RADIO OPERATORS

New records in competitions A Grif Radio no.5 11 My '64

Performed by volunteers. N.Kazanskii. Radio no.5:12-13 My '64

Spartakiada strides through the country Radio no 5:14-15 My '64

Toward outstanding sport achievement. Radio no 5 8 My '64

RADIO RELAY SYSTEMS

Construction of a precast reinforced concrete radio relay tower. T.L.Shcharinskii, O.M.Kharitonov. Transp stroi. 14 no.3:27-30 Mr '64

Preventive maintenance and adjustment of a radio relay line. A.V.Zabrodskii. Avtom.,telem.i sviaz' 8 no.6:29-32 Je '64.

RADIO STATIONS see subdivision under Moscow

RADIO WAVES

Propagation of radio waves. IU.Davydenko Tekh.i vooruzh. no.1 21-29 Ja '64

Ultrashort radio waves Radio no 5:16-17 My '64

RADIOACTIVE FALLOUT

Editorial comment Nov.vrem 21 no.13:1-4 Mr '64

RADIOACTIVE PROSPECTING

Selecting a logging tool to determine the density and moisture of rocks using radioactive logging methods A.V.Krasnushkin. Merzl issl no.3:190-197 '63.

RADIOACTIVE SUBSTANCES

Measuring a vacuum by means of radioactive preparations. V S Kirsanov Prib i tekh eksp 8 no 6:182 N-D '63

RADIOACTIVE SUBSTANCES—TOXICOLOGY

Role of radiotoxins in the disturbance of structural formation in irradiated plants. L.M.Kriukova, A.Kasymov. Dokl AN SSSR 156 no.5:1204-1206 Je '64.

RADIOACTIVE TRACERS

Automatic control of the temperature conditions for drying wood by means of radioactive isotopes V.A. Dorfman, D V. Liandres. Bum.i der prom. no.1,17-19 Ja-Mr '64.

Determination of the solubility of precipitated alkali metal uranyl phosphates by the tracer method. I.A. Murav'eva and others. Radiokhimiia 6 no.1,124-127 '64.

Investigating the inflow curves by introducing radioactive tracers into the reservoir E B.Sokolovskii Neftepromdelo no 4,7-10 '64.

RADIOACTIVITY

Effect of radioactive radiation of S^{35} and Mo^{99} on the size of the specific surface of *molybdenum disulfide*. Vikt.I.Spitsyn, I.E.Zimakov, N.P.Dobrosel'skaia. Radiokhimiia 6 no.1:130-132 '64.

Srapionov, A.S. [Radioactivity and dosimetric control] Radioaktivnost' i dozimetricheskii kontrol'. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 207 p.

Unit for preparing thin homogeneous extended radioactive sources. L.Z.Malkin, I.D.Alkhazov, A.M.Sokolov. Radiokhimiia 6 no.2:256-259 '64.

RADIOACTIVITY—PHYSIOLOGICAL EFFECT

Millers, Arnolds. [Radioactive fallout and its biological significance] Radioaktivie nosedumi un to biologiska loma. Riga, Latvijas PSR Zinatnu akad.izd-ba, 1963, 55 p. [In Latvian]

Radiobiological studies in poultry raising [with summaries in English, German, and French]. Kh.F.Kushner and others. Vest sel'khoz.nauki 8 no.9:73-80 S '63.

RADIOACTIVITY—SAFETY MEASURES

Evaluation of a radiation situation A.Barikov Voen. znan 10 no.4 26-28 Ap '64.

Experience, initiative Tekh.i vooruzh no 1:36,65,80-81 Ja '64.

Under conditions of radioactive and chemical contamination. B.Sergeev. Voen.vest. 44 no.6:64-67 Je '64.

RADIOBROADCASTING see subdivision under Sverdlovsk Province

RADIOCHEMISTRY

Kinetics and the mechanism of radiation polymerization in layered montmorillonite inclusion compounds O.I Glavati, L.S Polak Neftekhimiia 4 no.1 77-81 Ja-F '64.

Mozzhukhin, A.S., and F.IU.Rachinskii [Chemical prevention of radiation lesions] Khimicheskaia profilaktika radiatsionnykh porazhenii. Moskva, Gosatomizdat, 1964. 243 p.

Partition chromatography on fluoroplast-4. Isolation of trace elements of Se from SrO target irradiated by fast protons. L.N.Moskvin. Radiokhimiia 6 no.1: 110-111 '64.

Production of leatherlike rubber by the method of radiation vulcanization. G.A.Blokh and others. Izv.vys.ucheb.zav.; tekh.leg.prom. no.2:78-83 '64.

Radiation copolymerization of ethylene and carbon dioxide E E.Braudo, A I Dintses Neftekhimiia 4 no.1 60-65 Ja-F '64

Radiochemical determination of antimony 125 in soils. S.V.Iokhel'son, D.K.Popov. Radiokhimiia 6 no.1. 117-119 '64.

RADIOGRAPHY

Comparison of laparoscopic and roentgenologic findings in diseases of the liver and bile ducts. A.S.Logunov, M.E.Bokshtein. Sov.med. 27 no.10,91-97 O '63.

X-ray studies in the clinic of nervous and mental diseases M D Gal'perin Trudy Gos.nauch.-issl psikhonevr.inst. 31:5-50 '63.

RADIOGRAPHY—EQUIPMENT AND SUPPLIES

Lead-baryte amplifying screen. A.M.Gurvich, B.B. Dubovitskaia. Nov.med.tekh. no.5:61-67 '64.

RADIOISOTOPES

(see also subdivision under Indian Ocean)

Adsorption of radioisotopes from aqueous and water-ethyl alcohol solutions. I.E.Starik, F.L.Ginzburg, L.D. Sheidina. Radiokhimiia 6 no.1:19-26 '64.

Elastic scattering of deuterons on strontium and tin isotopes. O.F.Nemets and others. Zhur.eksp.i teor. fiz. 46 no.5:1900-1901 My '64.

Method for calculating the solubility of metals from the radioisotope distribution. L.I.Kononovich, A.IA. Abramov. Izv.vys.ucheb.zav.; fiz. no.2:53-59 '64.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Use of deep-well radioisotope injector in the petroleum industry. J.M.Edwards, E.L.Holter Neftepromdelo no.5:41-44 '63

Varandi, K. [Relay-type radioisotopic means of automation of industrial processes] Radioisotoopsed releetuupi toostusprotsesside automatiseerimisvahendid. Tallinn, ENSV Ministrite Noukogu Riikliku Teadusliku Uurimistoode Koordineerimise Komitee, 1963. 61 p. [In Estonian]

Vartazarov, S.IA. [Use of radioactive isotopes in operating electric power plants] Ispol'zovanie radioaktivnykh izotopov pri ekspluatatsii elektrostantsii. Moskva, Izd-vo "Energiia," 1964. 101 p.

RADIOISOTOPES—THERAPEUTIC USE

Determination of doses in intracavital treatment of cancer of the uterus taking into consideration the position of radioactive preparations in the pelvis. A.A. Stankevich. Vop.onk. 8 no.9:75-79 '62.

RADIOLOGY, MEDICAL—EQUIPMENT AND SUPPLIES

Ionization chambers for the measurement of X-ray-and gamma-irradiations [with summary in English]. A.N Krongauz, A.V.Frolova, Z.I.Shul'gina. Med.rad. 8 no.10:72-77 O '63.

RAILROADS—PASSENGER CARS

Light passenger cars Zhel.dor transp. 46 no 4, [illegible] '64

RAILROADS—RAILS

Method for laying shortened rail lengths S. P Pershin. Put' i put khoz. 8 no 5 29-30 My '64

Mikhailets, N. S., and others. [Manufacture of rails at the Kuznetsk Metallurgical Combine] Proizvodstvo rel'sov na Kuznetskom metallurgicheskom kombinate. Moskva, Izd-vo "Metallurgiia," 1964. 222 p.

Results of the study of the interaction between the driving wheels of locomotives and the rails. Z [illegible] Rudiakov Trudy DIIT no 40.54-67 '62

RAILROADS—RAILS—DEFECTS

Improving the use of flaw detectors. Put' i put.khoz 8 no 5 35 My '64

RAILROADS—RAILS—FASTENINGS

Accelerate the solving of the problem of rail fastenings. M A. Frishman, V S Bezruchko. Zhel dor.transp. 46 no.4;57-59 Ap '64

RAILROADS—RAILS—WELDING

Improved tool. I N Kvashnin. Put' i put.khoz. 8 no.5: 34 My '64

Lladov, V. V. [Welding of rails; work practices of the rail-welding team on train No. 1 of the October Railroad] Svarka rel'sov; opyt raboty kollektiva rel'sosvarochnogo poezda No. 1 Oktiabr'skoi dorogi. Moskva, Izd-vo "Transport," 1964. 44 p.

RAILROADS—REPAIR SHOPS

Conditions for the selection of the location of the stations for the repair of locomotive subassemblies and units. A. A. Bovin Trudy DIIT no. 40:146-155 '62.

RAILROADS—SAFETY MEASURES

Dearest to our heart is the human being B. V. Mel'nikov, L. A Baranova Put' i put khoz. 8 no. 5 31-33 My '64.

Guarding the safety of rolling stock. A.N.Konovalov, K.E.Sharov. Avtom.,telem.i sviaz' 8 no.6:1-3 Je '64.

Inspectors' activity in a section. S. F. Fomin Put' i put.khoz 8 no. 5 22 My '64.

Tereshin, V. S., and A. I. Bakanov. [Labor protection in track repair, maintenance and operation] Okhrana truda v putevom khoziaistve. Moskva, Transport, 1964. 263 p.

RAILROADS—SIGNALING

Block for delaying the action of signal relays. B G Tukumtsev Avtom telem i sviaz' 8 no 2 32-33 F '64

Design of track circuits E. A Novella, O A Masliukova Trudy MIIT no 170 119-136 '63

Device for signaling line groundings in stations with signal lights G S Klein Avtom telem i sviaz' 8 no 2 33-34 F '64

High work tempo and excellent quality. V. M Ktsoev. Avtom.,telem.i sviaz' 8 no.6:20-21 Je '64.

Locating trains during runs D K. Pugin, A K Savushkin. Trudy MIIT no 170 71-90 '63.

Method for designing track circuits taking into account electromechanical effects IU A. Kravtsov Trudy MIIT no 170 149-161 '63

New signaling instructions on the railroads of the U.S.S.R. A.A.Leonov, A.A Rudnev. Zhel.dor.transp. 46 no.4;63-66 Ap '64.

Some problems in the design of track circuits. E. A. Novella Trudy MIIT no 170 137-148 '63

Station apparatus of a system for automatic space interval control of train traffic using radio channels A M. Bryleev, D K Pugin, I E Dmitrenko Trudy MIIT no 170:5-18 '63

Suspension of centralized traffic control code wires on communication lines. Avtom.,telem.i sviaz' 8 no.6: 47 Je '64.

Tracking device of a system for automatic space interval control of train traffic using radio channels A. M Bryleev, D K Pugin, I E Dmitrenko Trudy MIIT no. 170 57-67 '63.

We are utilizing fully all hidden potentials. V. V Motorin Avtom telem i sviaz' 8 no 2 17 F '64.

RAILROADS—SIGNALING—BIBLIOGRAPHY see Bibliography—Railroads—Signaling

RAILROADS—SIGNALING—BLOCK SYSTEM

Block-type semiautomatic pulse-relay block system. A A Kazakov, V. I Makarov. Trudy MIIT no 170 91-104 '63

Construction of semiautomatic block systems on the October Railroad line. B.N.Filippov. Avtom.,telem. i sviaz' 8 no.6;21-23 Je '64.

Frequency-code automatic block system. A. M. Bryleev, A. V Shishliakov, I. Kh. Neneov. Trudy MIIT no 170: 105-118 '63.

Remarks on semiautomatic relay block systems KB TsSH. V.I.Shevchuk. Avtom.,telem.i sviaz' 8 no.6;39-40 Je '64.

Some remarks on KB TsSH relay-type semiautomatic block systems V A Fedorov Avtom telem i sviaz' 8 no 2 27 F '64

Specialists in precision equipment V. A Tkachuk Avtom telem i sviaz' 8 no 2 18 F '64

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

According to the project of the volunteer design bureau A S Buldakov, IU. A Russkikh Avtom telem i sviaz' 8 no 2 22-23 F '64

Computing system for determining the distance between trains I E Dmitrenko Trudy MIIT no 170 33-56 '63

Connection of wire broadcasting bays to the code circuit of the centralized traffic control system V V Kravchenko Avtom telem i sviaz' 8 no 2 19-22 F '64

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Code interlocking systems (SKTs-TsNII) for large stations S B Karvatskii Avtom telem i sviaz' 8 no 2 4-9 F '64

Power supply system of electric interlocking devices without batteries. V.R.Dmitriev, V.A.Lebedev. Avtom.,telem.i sviaz' 8 no.6;4-6 Je '64.

These problems must be solved IU S Novik Avtom. telem i sviaz' 8 no 2 37-38 F '64

RAILROADS—STATIONS
(see also subdivision under Khabarovsk)

We shall dress up roadsides and stations with green attire. S D. Tezikov. Put' i put.khoz. 8 no. 5:24 My '64.

RAILROADS—SURVEYING

Surveying in railroad work. V.N Gan'shin, L.S.Khrenov. Transp.stroi. 14 no.3;58-60 Mr '64.

RAILROADS—SWITCHES

Maintenance and repair of switches laid on reinforced concrete slabs. P I. Znamenskii, E. K. Smykov, B. M. Filippov. Put' i put.khoz. 8 no. 5 18-19 My '64.

Spring-type catch in the SP-1 electric drive. I. M. Zotov. Avtom.,telem.i sviaz' 8 no.6;38 Je '64.

RAILROADS—TECHNOLOGICAL INNOVATIONS

New inventions. Zhel.dor.transp. 46 no.4:85 Ap '64.

Put into practice the new developments and advanced technology. P.S.Volkov, I.I.Maksimenko. Zhel.dor. transp. 46 no.4;30-33 Ap '64.

RAILROADS—TIES

Method of the thermal treatment of reinforced concrete frames by infrared rays. IA.G.Fel'dman. Transp. stroi. 14 no.3;49-50 Mr '64.

RAILROADS—TIES, CONCRETE—STANDARDS

Standard for ties made from reinforced concrete. Put' i put.khoz. 8 no.5:36-37 My '64.

RAILROADS—TIMETABLES

Russia (1923- U. S. S. R.) Glavnoe passazhirskoe upravlenie. [Index to railroad passenger communications] Ukazatel' zheleznodorozhnykh passazhirskikh soobshchenii. Moskva, Izd-vo "Transport," 1964. 743 p. map. (insert)

[Timetable for passenger trains (abbreviated); summer 1964] Raspisanie dvizheniia passazhirskikh poezdov (kratkoe); leto 1964 goda. Moskva, Izd-vo "Transport," 1964. 279 p. map (insert)

[Timetable of suburban trains of the Moscow Railroad. Moscow - Balashikha - Noginsk - Petushki. Summer 1964] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Balashikha - Noginsk - Petushki, *Moskovskoi* zh. d. Na leto 1964 g. Moskva, Izd-vo "Transport," 1964. 62 p.

[Timetable of suburban trains of the Moscow Railroad. Moscow - Kashira - Ozherelye. Summer 1964] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Kashira - Ozherel'e, Moskovskoi zh. d. Na leto 1964 g. Moskva, Izd-vo "Transport," 1964. 64 p.

RAILROADS—TRACK

Answering questions. Put' i put.khoz. 8 no.5:44 My '64.

Laying strings of rails without joints in the construction of second tracks. V.A.Sarkisov, N.V.Kolomurdi, G.V.Verbato. Transp.stroi. 14 no.3;3-7 Mr '64.

Using frogs for the intersection of crane and railroad tracks. IU. Stankov. Mor. flot 24 no. 3;11-13 Mr '64.

RAILROADS—TRAFFIC

What is new in the Regulations of the Technical Operations? Zhel.dor.transp. 46 no.4;66-68 Ap '64.

RAILROADS—TRAIN SPEED

Establishing uniform traffic speed rates on runs and in stations. S. I. Kotov. Put' i put.khoz. 8 no. 5.5-7 My '64.

RAILROADS—WATER SUPPLY
(see also subdivision under Soviet Central Asia)

Water pumping signaling system with operative a.c. E. I Blinov Avtom. telem. i sviaz' 8 no 2:24-25 F '64

RAILROADS, INDUSTRIAL—BRAKES

Calculation tables and methods for determining and checking the needed brake pressure for the freight trains of industrial railroads. V. N. Tveritin, F. L. Korkhovoi. Trudy DIIT no. 40:161-172 '62.

RAILROADS, INDUSTRIAL—CARS

Borovskii, V. M., and V. A. [illegible] ion of [illegible] ol]

RAIN AND RAINFALL see subdivision under Dzhezdy Valley

RAIN FORESTS

When do the monsoon forests turn green? L. I. Trube Vest. Mosk un Ser. 5 Geog. 19 no. 3:75-77 My-Je '64.

RAINIS, J., pseud. see Plieksans, Janis, 1865 1929

RAJASTHAN—RECLAMATION OF LAND

Reclamation of the Rajasthan Desert. L. I. Kurakova Vest. Mosk. un. Ser. 5: Geog. 19 no. 3:41-50 My-Je '64.

RAMAN EFFECT

Mirror-type bulbs for studying the Raman spectra of gaseous substances V I. Tiulin, V. M Tatevskii. Prib. i tekh eksp 8 no 6:158-158 N-D '63

Stimulated Raman scattering of light. V.A.Zubov, M.M. Sushchinskii, I.K.Shuvalov. Usp.fiz.nauk 83 no.2: 197-222 Je '64.

RANDOM PROCESSES

Leonov, V. P. [Some applications of higher semi-invariants to the theory of stationary random processes] Nekotorye primeneniia starshikh semiinvariantov k teorii statsionarnykh sluchainykh protsessov. Moskva, Izd-vo "Nauka," 1964. 65 p.

Skorokhod, A. V. [Random processes with independent increments] Sluchainye protsessy s nezavisimymi prirashcheniiami. Moskva, Izd-vo "Nauka," 1964. 278 p. (Teoriia veroiatnostei i matematicheskaia statistika)

Using the theory of random processes for studying the noise in a tractor operator's cabin. B. V. Pavlov, M. A. Kolmakov. Vest. sel'khoz. nauki 9 no. 2:95-101 F '64.

RANGE FINDING

Is range correction necessary in firing from small arms?; as a matter for discussion. N. Semikolenov. Voen. vest 43 no. 5:109-112 My '64.

RARE-EARTH COMPOUNDS

Complex compounds of cerium, yttrium, and uranyl with some polyaminocarboxylic acids. L. M. Razbitnaia. Radiokhimiia 6 no.2;202-206 '64.

Composition and properties of mixed hexanitrocobaltates of rare-earth elements with potassium. G. P. Aleksandrov, IU. V. Shevchenko. Ukr. khim. zhur. 30 no. 1:12-16 '64.

RARE-EARTH ISOTOPES

Study of the nuclear disintegration products of rare-earth elements. A. K. Lavrukhina, G. M. Kolesov. Radiokhimiia 6 no. 1:92-96 '64.

RARE-EARTH OXALATES

Obtaining and examining by X-ray oxalate complexes of some rare-earth elements. I. V. Kolosov, Z. F. Andreeva. Dokl. TSKHA no. 84:356-362 '63.

RARE-EARTH OXIDES—ELECTRIC PROPERTIES

Reduction of cerium dioxide in a mixture of oxides of the CeO_2 - La_2O_3 system and the conductance of mixtures. A.D.Neuimin, S.F.Pal'guev, V.N.Chebotin. Trudy Inst.elektrokhim.UFAN SSSR no.4:97-110 '63.

RARE-EARTH PLATING

Obtaining radiation sources from β-spectroscopy by the electrolytic deposition of rare-earth elements. A. F. Novgorodov and others. Radiokhimiia 6 no. 1:73-76 '64.

RARE-EARTH SILICATES

Solid solutions of lanthanum and yttrium diorthosilicates. N. A. Toropov, Gurudas Mandal. Dokl. AN SSSR 156 no. 5:1127-1129 Je '64.

RARE EARTHS

Diffusion of certain rare-earth elements in germanium. I. A. Gusev, L. I. Molkanov, A. N. Murin. Fiz. tver. tela 6 no. 4:1256-1257 Ap '64.

RARE EARTHS—ABSORPTION SPECTRA

Nature of the fine structure of L_{III} absorption spectra of certain rare-earth elements in oxides and hexaborides. N. V. Troneva. Izv. AN SSSR. Ser. fiz. 28 no. 5:809-810 My '64.

RARE EARTHS—ANALYSIS

Separation of rare-earth elements into subgroups by means of cupferron. M. A. Tishchenko, R. S. Lauer, N. S. Poluektov. Ukr. khim. zhur. 30 no. 4:390-395 '64.

REINFORCED CONCRETE PRODUCTS—SAFETY MEASURES

Bondar', E. P. [Safety manual for assembling reinforced concrete elements] Pamiatka po tekhnike bezopasnosti dlia montazhnika zhelezobetonnykh konstruktsii. Izd.2., ispr. i dop. Moskva, Stroiizdat, 1964. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

REINFORCED CONCRETE PRODUCTS—TESTING

Determining flexures due to bending of reinforced concrete made without prestressing I I Kazarnovskii Stroi i arkhit Len 26 no 3 26-28 Mr '64

REINFORCEMENT IN CONCRETE see Concrete reinforcement

REINKENHAGEN OIL FIELD (GERMAN DEMOCRATIC REPUBLIC)—PETROLEUM GEOLOGY

Reinkenhagen, a new oil and gas field in the German Democratic Republic V.F Gorbachev Geol nefti i gaza 8 no 4:52-54 Ap '64.

RELATIVITY (PHYSICS)

Comments on IU G Sbytov's article "Dimetric formalism in the general theory of relativity." I.I Gutman. Izv. vys ucheb.zav ; fiz. no.2:166-167 '64.

The principle of correspondence in the general theory of relativity Kh.Keres. Zhur.eksp i teor.fiz. 46 no.5:1741-1754 My '64

Reply to I I.Gutman's letter to the editor IU.G.Sbytov. Izv.vys.ucheb zav., fiz. no.2·167-168 '64.

Sokolovskii, IU.I. [Theory of relativity in an elementary explanation] Teoriia otnositel'nosti v elementarnom izlozhenii. Izd.2., perer. Moskva, Izd-vo "Nauka," 1964. 197 p.

RELIABILITY (ENGINEERING)

How does one gather information on failures? G Vladimirovich. Tekh i vooruzh no 1 77 Ja '64

Laws of parameter distribution and probability of faultless operation of components subject to wear V B. Gogolevskii. Avtom i telem. 25 no.3;416-423 Mr '64

Problem of reliability and standards. IA. B. Shor. Standartizatsiia 28 no.4 20-24 Ap '64

Reliability of ideally redundant systems V.V.Naumchenko. Avtom i telem. 25 no.3.413-415 Mr '64.

Stochastic automata and problems of constructing reliable automata from unreliable elements. G N. TSertsvadze. Avtom.i telem. 25 no.4;492-499 Mr '64.

Theoretical fundamentals for the establishment of reliability and durability indices of standard articles. V N. Treier. Standartizatsiia 28 no.4 17-20 Ap '64

RELIGION—ANECDOTES, FACETIAE, SATIRE, ETC.

Basenko, K.IA. [God's biography] Bozh'ia biografiia. Moskva, Politizdat, 1964. 64 p. (Khudozhestvennaia ateisticheskaia biblioteka)

RELIGION AND COMMUNISM see Communism and religion

RELIGION AND SCIENCE

Akimushkin, I.I. [Discovery of the "sixth sense"] Otkrytie "shestogo chuvstva," Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 1)

[Science penetrates into the unknown] Nauka vtorgaetsia v neizvedannoe. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 2)

Trofimov, B.A. [Bones of a dragon] Kosti drakona. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 5)

RELIGIOUS ETHICS

Religion and morals. A, Babii, M. Poltavchenko. Komm. Mold. 9 no. 2 66-74 F '64.

REMOTE CONTROL

Analysis of the operation of pulse shaping devices of contactless remote control systems. M. V. Kadzharov, Trudy GPI [Gruz.] no. 3 47-52 '63.

The BTA-PU-S noncontact telecontrol system for overall automation N B Grinberg and others Priborostroenie no 5 8-12 My '64.

Conference on remote control. V.N.Razgon. Avtom.i telem. 25 no.4;589-590 Mr '64.

Contactless code-impulse system for converting angular displacements to electrical signals using a spatial coding method without physical representation of the code. M.V.Kadzharov. Trudy GPI [Gruz.] no. 3 53-60 '63.

Economic efficiency in the use of the automatic and remote control of gas pipelines; as a topic for discussion V.A Gorbatikov Gaz prom 7 no 2 49-53 '62

Electronic commutator for time-division multiplexing of circuits. M. A. Gadzhiev. Mash i neft. obor. no 8: 36-39 '63.

Evaluation of the performance of a centralized information collecting and processing center with unlimited memory. Avtom.i telem. 25 no.3;394-398 Mr '64.

Interference rejection in the reception of remote control signals V N Khudov Trudy MIIT no 170 19-32 '63

Noncontact remote control devices used at the Moscow Subway. V I Butorin Biul.tekh.-ekon.inform.Gos.nauch.-issl inst.nauch.i tekh.inform 17 no 2:46-49 '64.

On the road to mining without people. E. T. Proiavkin. Ugol' Ukr. 8 no. 3. 4-5 Mr '64.

Osipov, L. L. [Systems for the remote control of main marine mechanisms; diesel engines] Sistemy distantsionnogo upravleniia glavnymi sudovymi mekhanizmami, dizeliami. Moskva, Izd-vo "Transport," 1964. 159 p.

Passage of fluctuation noise through remote control devices with a time selector. L.B.Venchkovskii. Avtom.i telem. 25 no.3;395-412 Mr '64.

Problems of remote control. V.A.Il'in. Avtom.i telem. 25 no.4·517-526 Mr '64

Selective properties of LC-filters used in frequency setups of telemechanics. D. A. Abdullaev, T. A. Zakirov. Izv. AN Uz.SSR. Ser. tekh. nauk 7 no. 1. 21-27 '63.

Substations with remote control without shorting devices D S Barsukova Elek stat 35 no.1 91-92 Ja '64.

System of mining steeply pitching seams with the use of stoping machinery with remote control. V. P. Lavisevich, V. R. Sal'nikov. Trudy VNIIGidrouglia no. 2·13-18 '63.

RENAISSANCE see subdivision under Italy

RENAL INSUFFICIENCY

Electrocardiographic changes in disorders of electrolyte metabolism E I Borisova and others Kardiologiia 3 no 6 59-64 N-D '63

Use of the titrometric method for determining the alkaline reserve of the blood in acute renal insufficiency. G.V. Derviz, I L.Vinogradova, A.A.Safarova. Lab.delo no.2;67-70 '64

RENAL VEIN—DISEASES

Pararenal hypernephroma with thrombosis of the "I" renal vein. Kh. G. Gutkin. Vop onk 8 no 11;105-107 '62.

RENT (ECONOMIC THEORY)

Differential rent and production profitability. A. Libkind. Ekon. sel'khoz. 35 no. 5:99-105 My '64

REPETEK DESERT PRESERVE—CALLIGONUM

A new species of Calligonum from Repetek. R.A.Rotov. Biul.Glav.bot.sada no.53;76-77 '64.

REPTILES

Amphibians and reptiles. I P.Sosnovskii. Nach. shkola 32 no 6 89-93 Je '64.

RESEARCH

(see also subdivision under Odessa)

Conference of students and postgraduate students of the morphology departments and laboratories of Leningrad universities and research institutes. A. V. Drozdova. Arkh. anat. gist. i embr. 43 no. 10·122-124 O '62.

Schools of higher learning and the progress of science and technology. V. P. Eliutin. Vest. AN SSSR 34 no. 5;27-37 My '64.

Third All-Union Public Inspection of the Fulfillment of Scientific Research Plans and Use of Scientific and Technical Discoveries in the National Economy. Teploenergetika 11 no 3 95-96 Mr '64

RESEARCH, INDUSTRIAL see subdivision under Erivan

RESERVOIRS

(see also subdivision under Krasnodar Territory; Turkmenistan)

Efficient measures for controlling the overgrowth of cooling reservoirs B. A. Shimanskii. Trudy Gidrobiol. ob-va 14:74-114 '63.

Gomzhin, G. N. [Experience in building precast reinforced concrete reservoirs] Opyt stroitel'stva sbornykh zhelezobetonnykh rezervuarov. Moskva, Nedra, 1964. 73 p.

RESINS, SYNTHETIC

Thermosetting resins based on divinyl polymers. V. N. Gorbunov, A. G Nagibina, M. S. Akutin. Plast. massy no. 1·11-13 '64

RESPIRATION

ATP and ADP as possible hydrogen carriers in the respiratory chain. V. P. Skulachev and others. Vop. med. khim. 9 no. 1;99-102 Ja-F '63.

Comparative physiology of the tonus of higher segments of the brain. V. IA. Katinas. Zhur. vys. nerv. deiat. 14 no. 2;318-325 Mr-Ap '64.

Effect of the stimulation of internal organs on the respiratory movements in dogs. D.V.Kadzhaia. Trudy Inst. fiziol. AN Gruz. SSR 13;139-148 '63.

Effect of vincanine and strychnine on tissue respiration. M.B.Sultanov, N.N.Nigmatov, T.A.Egorova. Uzb. biol. zhur. 7 no. 6;54-57 '63.

Functional and structural changes in the central nervous system under the influence of nivaline E. N. Popova, T. M Mokhova. Zhur vys. nerv. deiat. 14 no 2;337-345 Mr-Ap '64.

Pulmonary ventilation in the early postoperative period. IU. IA. Agapov. Vop. onk 8 no. 12;30-34 '62.

Respiration of the thyroid tissue in pathology of the thyroid gland. N. Nigmatov. Trudy Inst. kraev. [illegible] med. no. 5;130-133 '63.

Restoration of the external respiration in lambs with acute catarrhal and suppurative catarrhal bronchopneumonia under the effect of antibiotic treatment. I S Podlinnov Trudy AZVI 12 498-505 '61

Some indices of the external and tissue respiration of Kazakh fine-wool sheep P M Butov Trudy AZVI 12 506-511 '61

RESPIRATORS

Contemporary Soviet apparatus for inhalation anesthesia and artificial respiration V. M. IUrevich. Nov. med. tekh. no. 5;51-54 '61.

Resistance of elements of medical respiratory apparatus in pulsating current. A. S. Perel'mutr, T. D. [illegible] Nov. med. tekh. no. 5;23-30 '61.

RESPIRATORY ORGANS

Anatomicophysiological characteristics of the respiratory system in man and animals in the genesis of immunity following vaccination by the aerosol method. Report No. 2: Protective function of the tissues of lung parenchyma and the lymphatic system of the respiratory organs. IU. S. Pisarevskii. Zhur. mikrobiol., epid. i immun. 40 no. 6;101-105 Je '63.

RESPIRATORY ORGANS—DISEASES

Clinicophysiological trends in studying the etiology, pathogenesis, and principles of the treatment of diseases of the digestive and respiratory systems IA I Klembok. Trudy AZVI 12 233-237 '61

REST

Correlations of the bioelectrical activity of separate parts of the human cerebral cortex under conditions of relative rest. N. A. Gavrilova and others. Zhur. vys. nerv. deiat. 14 no. 1;3-8 Ja-F '64.

REST PERIODS

Guarantee merchant seamen with the regular use of their days off. L. [illegible] Mor. flot 24 no. 3;16-17 [illegible] '64

RESTAURANTS, LUNCHROOMS, ETC.

Dinner in the field Sov. profsoiuzy 20 no. 11;7 Je '64

From the editor's mail. Sov. profsoiuzy 20 no. 9.35 My '64.

The workman came to the public dining room. Sov. profsoiuzy 20 no. 12;9 Je '64.

RESTAURANTS, LUNCHROOMS, ETC.—AUDITING AND INSPECTION

Ibragim Ataev's second occupation. K. Tadzhibaev. Sov. profsoiuzy 20 no. 13;37 Jl '64.

RESTAURANTS, LUNCHROOMS, ETC.—LAWS AND REGULATIONS

Mukhin, K.M., and V.I. Trukhtanov, comps. [Manual for the manager of public eating establishments] Spravochnik rukovoditelia predpriiatiia obshchestvennogo pitaniia. Izd. 3., perer. i dop. Moskva, Izd-vo "Ekonomika," 1964. 598 p.

RESTAURANTS, LUNCHROOMS, ETC.—PRICES

Calculating public dining price indices. V. [illegible] Vest. stat. no. 6.32-42 '64

RESUSCITATION

Negovskii, V. A. [From death to life] Ot smerti k zhizni. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 4)

RETAIL TRADE

(see also subdivision under Moscow; Severodonetsk, Ukraine)

The law and a trade organization. I. Berger. V Ivanitskii. Sov. torg. 36 no. 6·24-27 Je '63.

Legal status of state trade organizations. V. IAzev. Sov torg. 36 no 6,22-24 Je '63.

On quality, assortment, plan and incentives. A. Morgunov, A. Tolkachev. Sov. torg. 37 no. 1.17-23 Ja '64

The turnover of goods in 1964-1965. I. Khrokin. Sov. torg. 37 no. 1;5-10 Ja '64.

A year of great tasks. A. Struev. Sov. torg. 37 no. 1 1-4 Ja '64

RETAIL TRADE—ACCOUNTING see subdivision under Germany, East

RETAIL TRADE—AUDITING AND INSPECTION see subdivision under Gorkiy; Lithuania; White Russia

RETAIL TRADE—FINANCE

(see also subdivision under Sverdlovsk)

Issuing credit to trade organizations following the new procedures. G. Matveev, S. Mozhiborskaia. Den. i kred. 22 no. 5;12-17 My '64.

ROADS—ABSTRACT

[Highways] Ref.zhur.: Avt.dor. no.6 Je '64.

ROADS—DESIGN

Treskinskii, S.A. [Special features in designing roads] Osobye sluchai proektirovaniia dorog. [Moskva] Rosvuzizdat, 1963 59 p.

ROADS—WATER SUPPLY see subdivision under Soviet Central Asia

ROADSIDE IMPROVEMENT

We shall dress up roadsides and stations with green attire S.D.Teziko. Put' i put.khoz 8 no.5 24 My '64

ROBBER FLIES see subdivision under Caucasus

ROBINSON, VASILII NIKOLAEVICH, 1888-

Tireless researcher of the Caucasus; on Professor V N. Robinson's 70th birthday. S.S Kruglov Uch zap. Chern.un 24.Ser.geol.nauk no.2 3-5 '59.

ROCHET, WALDECK, 1905-

Waldeck Rochet Nov.vrem 21 no 22.8 My '64

ROCK DRILLS

Comparison of energy losses in the interaction of teeth of various shapes with rock. L.I Deviatko, V.P.Dudin Izv.vys ucheb.zav., neft' i gaz 6 no.8;99-102 '63

ROCK DRILLS—VIBRATION

Control of the vibration of rock drills and air hammers. S.I.Dobrohorskii. Gor.zhur. no.5 67-72 My '64.

ROCK PRESSURE

Determining absolute rock pressure with the help of water filtration. R.P.Korotkov. Ugol' Ukr. 8 no.3. 11-12 Mr '64.

Investigation of certain properties of rocks under confining pressure. A.E Sokolov. Izv vys.ucheb.zav.; neft' i gaz 6 no 8;31 '63.

Roof control in steep seams subjected to outbursts of coal and gas. A.F.Ol'khovichenko. Ugol' Ukr. 8 no.3 49-51 Mr '64.

ROCK PRODUCTS—TRANSPORTATION

Mechanization of quarries and machines of continuous operation for the automation of hauling units. G.Fominykh. Sbor.po.obm.opyt.v tsem.prom no.2;12-16 '60.

ROCKETS (AERONAUTICS)

[Problems of rocket engineering, translations and surveys of foreign periodical literature] Vop.raket.tekh.; sbor.*perev i obz.inostr.period.lit.* 14 *no.6* '64.

ROCKETS (ORDNANCE)

The sky must be clear! N Afanas'ev. Voen.znan. 40 no 4 36 Ap '64

ROCKETS (ORDNANCE)—GUIDANCE SYSTEMS

Kochetkov, V.T., A.M.Polovko, and V.M.Ponomarev. [Theory of remote control and homing guidance of rockets] Teoriia sistem teleupravleniia i samonavedeniia raket Moskva, Izd-vo "Nauka," 1964. 536 p.

ROCKS

(see also subdivision under Azerbaijan; Donets Basin)

Dielectric constants of rocks at pressures up to 50,000 kg/cm^2 and temperatures up to 400° A.T Bondarenko Izv AN SSSR Ser geofiz no.5 730-741 My '64

Effect of rock fracturing on the stability of strip mine slopes. N.N.Kuvaev. Nauch.zap.Ukrniiproekta no.10; 25-28 '63.

ROCKS—ANALYSIS

(see also subdivision under Krivoy Rog Basin; Russian Platform)

Possibility of determining the physical properties of rocks by measuring the diffusion-adsorption potentials and the currents caused by them. V.I.Doroshenko, B M.Stolovitskii. Neftegaz.geol.i geofiz. no.4:50-52 '64.

ROCKS—ELASTIC PROPERTIES

Differentiation of crystalline rocks according to their elastic properties using northern Karelia as an example. *I.V.Litvinenko*, K.A.Nekrasova. Zap.LGI 46 no.2: 22-27 '63.

ROCKS—PERMEABILITY

Determination of the permeability of water-saturated rocks from the relative resistance. L.A.Buriakovskii. Izv.vys.ucheb.zav., neft' i gaz 6 no.8:30 '63.

New flowmeter for profiling the permeability of rocks. *J.K.Godbey.* *Nefteprom.delo* no.5:39-41 '63.

Use of the GCH-1 gas meter to determine the gas permeability of rocks V.I.Savchenko. *Nefteprom delo* no.5:21-22 '63

ROCKS—TESTING

Calculation of the natural moisture of rocks during laboratory testing. V.I.Nikolin. Ugol' Ukr. 8 no.3,23 Mr '64.

The effect of plasticity on the disintegration of rocks. *L.E.Simonlants*, B.A.Zhlobinskii, E.G.Lozgachev. Izv.vys.ucheb.zav., neft' i gaz 7 no.3:19-23 '64.

Employing the theory of similitude and scale in the analysis of the results of testing samples of rock on A.M.Viktorov's device N.P.Lushnov Trudy Lab. gidr.sooruzh.VODGEO no.4 59-64 '63.

Investigation of certain properties of rocks under confining pressure. A.E.Sokolov. Izv.vys ucheb zav., neft' i gaz 6 no 8;31 '63.

Optimal size of crushing for the hydraulic conveying of original rock in strip mines. B.N.Chaplin, N.N. Mednikov. Gor.zhur. no.5:22-25 My '64.

Resistance of rock fill to displacement. I.N.Rasskazov. Trudy Lab gidr sooruzh VODGEO no 4 65-76 '63.

Ruppeneit, K.V., M.A.Dolgikh, and V.V.Matvienko. [Probability methods for the evaluation of the strength and deformation of rocks] Veroiatnostnye metody otsenki prochnosti i deformiruemosti gornykh porod. Moskva, Stroiizdat, 1964. 81 p.

Selecting a logging tool to determine the density and moisture of rocks using radioactive logging methods. A.V.Krasnushkin Merzl.issl no 3;190-197 '63

ROCKS, CARBONATE

Effect of the parameters of acid flow in the fissures of carbonate rocks on the acid activity. A N Barton and others. Nefteprom.delo no 5;33-36 '63.

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Irtysh Valley

ROCKS, CRYSTALLINE AND METAMORPHIC—CLASSIFICATION see subdivision under Karelia

ROCKS, EFFECT OF TEMPERATURE ON

Anisotropy of the mechanical properties of foliated rocks after freezing. E.P.Shusherina Merzl.issl no 3: 307-313 '63.

ROCKS, IGNEOUS

(see also subdivision under Altai Mountains, Aragats, Mount; Armenia; Carpathian Mountains, Caucasus, Crimean Mountains; Dar'yal Gorge; Donets Basin; Georgia; Tajikistan; Terekhta Range; Tien Shan; Transcaucasia)

Allochthonous plutons of basic composition and conditions governing their formation. A.P.Lebedev. Zakonom. razm.polezn.iskop. 7;330-338 '64.

Types of deposits associated with paleovolcanism. V.N. Kotliar. Zakonom razm.polezn.iskop. 7;339-346 '64.

ROCKS, IGNEOUS—TESTING

Using the reflected wave method in the study of the deep structure of Kola Peninsula alkaline rocks. G.N. Shablinskii. Zap.LGI 46 no.2;28-32 '63.

ROCKS, SEDIMENTARY

(see also subdivision under Alakul' Depression; Emba region; Kopetdag; Stavropol Territory; Tajik Depression; Tien Shan; Tuva A.S.S.R.)

Minor elements as indicators of sedimentation conditions. Z.A.IAnochkina. Lit.i pol.iskop no.2;127-131 Mr-Ap '64.

ROCKS, SEDIMENTARY—ANALYSIS see subdivision under Bulla Island region; Caucasus; Uzbekistan

ROCKS, SEDIMENTARY—DENSITY see subdivision under Surkhandarya Valley

ROCKS, SEDIMENTARY—PERMEABILITY

Preparing cemented sandy-argillaceous models of a core. N.N.Rumiantseva. Nauch.-tekh.sbor.po dob. nefti no.20:3-6 '63.

ROCKY MOUNTAIN SPOTTED FEVER—MICROBIOLOGY

Experimental study of the pathogen of Rocky Mountain spotted fever. S.M.Kulagin, R.I.Kudelina. Zhur. mikrobiol., epid.i immun. 40 no.10:92-96 O '63.

RODENTS see subdivision under Moldavia

RODENTS—DISEASES AND PESTS

(see also subdivision under White Russia)

Infestation of wild birds and rodents with blood parasites in eastern Kazakhstan. S.I.Rybalko, E.T.Prikhod'ko, T.A.Makarycheva. Vest.sel'khoz.nauki [Kazakh.] 7 no.4:56-59 Ap '64.

RODENTS—EXTERMINATION see subdivision under Novgorod Province

RODENTS—PARASITES see Parasites—Rodents

RODENTS AS LABORATORY ANIMALS

Age-related reactivity of laboratory animals to experimental rabies. L.M.Trubina. Vop.med.virus. no.6: 161-167 '59.

ROLL, IAKOV VLADIMIROVICH, 1887-1961

IAkov Vladimirovich Roll, his life and work in the field of hydrobiology V.I.Zhadin. Trudy Gidrobiol.ob-va 14:259-270 '63.

ROLLERS (EARTHWORK)

The D-599 rubber-tired roller. N.P.Pravosudovich. Stroi.i dor.mash. 9 no.3:14-15 Mr '64.

ROLLING (METALWORK)

Characteristics of friction during rolling. Trudy Inst. met.i obog.AN Kazakh.SSR 7:122-133 '63.

Hardening of chromium-manganese-molybdenum steel with unstable austenite. O.I.Kavalenko. Metalloved.i term.obr.met. no.4:8-10 Ap '64.

Increasing the technical and economic indices in the rolling of LS59-1 brass with complex additives in industrial conditions. U.K.Duisemaliev and others. Trudy Inst.met.i obog.AN Kazakh SSR 7:105-111 '63.

Introducing the technology for rolling corrugated sections of low-alloyed steel. V.A.Gamershtein, F.A.Ksenzuk. Biul.tekh.-ekon.inform. Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:3-4 Ap '64.

Methods of determining friction forces during rolling. A.A.Vinnitskii. Trudy Inst.met.i obog.AN Kazakh. SSR 7:112-121 '63.

Special characteristics of plastic friction. A.A.Presniakov. Trudy Inst met.i obog.AN Kazakh.SSR 7:134-137 '63.

ROLLING (METALWORK)—COSTS

Efficiency of the continuous casting of transformer steel. V.A.Rozhkov. Sbor.trud.Otd.tekh.-ekon.issl. TSNIICHM no.1;50-52 '63.

ROLLING-MILL MACHINERY

Chekmarev, A.P., and IU.S.Chernobrivenko. [Roller guide equipment of rolling mills] Rolikovaia armatura prokatnykh stanov. Moskva, Izd-vo "Metallurgiia," 1964. 255 p.

ROLLING MILLS

(see also subdivision under Novokuznetsk)

Modern rolling mills for gauging and reducing pipes. F.G.Kostenko, I.B.Pasternak. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst nauch.i tekh.inform. 17 no.5.73-76 My '64.

Shapiro, L.V., and V.E.Svets. [Industrial organization in cogging mills] Organizatsiia proizvodstva v obzhimnykh tsekhakh. Moskva, Izd-vo Metallurgiia, 1964. 118 p.

Unit for continuous control of metal pressure on the rolls. G.I.Bondarenko. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 17 no.5.9-10 My '64.

ROLLING MILLS—ELECTRIC DRIVING

Experience in operating the main drive of the 800 mill. V.N.Borovkov. Prom.energ. 19 no.5:15-17 My '64.

Methods for increasing the commutational reliability of the motors of rolling mills V A IAkovenko, S.P. Kalinichenko Elektrichestvo no 1 24-27 Ja '64.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

Kogos, A.M. [Mechanical equipment of wire drawing and strip rolling mills] Mekhanicheskoe oborudovanie volochil'nykh i lentoprokatnykh tsekhov. Izd.2. Moskva, Izd-vo "Metallurgiia," 1964. 301 p.

ROLLS (ROLLING MILLS)

Tret'iakov, A.V., A.V.Grachev, and P.T.Oreshkin. [Temperature conditions in the operation of rolling mill rolls] Temperaturnyi rezhim raboty valkov prokatnykh stanov. Moskva, Izd-vo "Metallurgiia," 1964. 110 p.

Using hard alloy rolls for rolling very thin strip. [illegible] A. Sizov, E.A.Laibenko. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:5-7 Ap '64.

ROMANCE LANGUAGES—GRAMMAR, COMPARATIVE

Vsesoiuznoe soveshchanie po romanskomu iazykoznaniiu, 1st, Kishinev, 1961. [Problems of Romance linguistics; materials] Voprosy romanskogo iazykoznaniia; materialy. Kishinev, Kartia Moldoveniaske, 1963. 245 p.

ROMASHKINO OIL FIELD—OIL FIELD FLOODING

Determining the degree of conformance of the beds of horizon DI of the Minnibayevo region of the Romashkino field. R.V.Polikarpova, M.M.Brykina. Nauch.-tekh. sbor.po dob.nefti no.20:45-50 '63.

ROMASHKINO OIL FIELD—OIL RESERVOIR ENGINEERING

Flow diagram of a test injection of liquefied gases into a reservoir in a sector of the Minnibayevo region. A.V Afanas'eva, N.L.Rakovskii, A.N Solianin Nauch.-tekh.sbor.po dob.nefti no.14.76-82 '61.

ROMASHKINO REGION—OIL FIELD BRINES—MICROBIOLOGY

Determination of the sources of contamination with sulfate-reducing bacteria of oil bearing layers D_1 of the Romashkino fields. V.A.Kuznetsova, A.D.Li, N.N. Tiforova. Mikrobiologiia 32 no.4:683-688 Jl-Ag '63.

ROME—EMPIRE

Suetonius Tranquillus, C. [The lives of the twelve Caesars. Translated from the Latin] Zhizn' dvenadtsati tsezarei. Izd.podgotovili M.L.Gasparov i E.M. *Shtaerman.* *Moskva, Izd-vo "Nauka,"* 1964. 375 p. (Literaturnye pamiatniki)

ROME—HISTORY

"Readings on the history of ancient Rome." Reviewed by A.L.Kats, N.N.Pikus. Vest.drev.ist. no.1,158-162 '64.

RUMEN—MICROBIOLOGY

Microelements as stimulants of the vitality of rumen microflora. V A. Moiseev Izv AN Kazakh.SSR.Ser. biol nauk 2 no.1,89-92 Ja-F '61

RUMEX

Studying anthraquinone derivatives isolated from the rhizomes and roots of the dock Rumex alpinus V D. [illegible] Farmatsev zhur 14 no.4 58-62 '59

RUMINANTIA—FEEDING AND FEEDS

Assimilation of urea nitrogen by ruminants A N Ko-[illegible] Vest sel'khoz nauki 9 no.4:21-23 Ap '64.

RUNNING

Krasil'shchikov, A P [As fast as the wind] Riadom s vetrom Moskva, Fizkul'tura i sport, 1964 49 p. (Sport - detiam)

RUNOFF

(see also subdivision under Abkhazia, Ararat Plain, Azov Sea region; Caucasus; Chalaaty Glacier, Dnieper Valley, Fergana Valley, Kirovakan region; Klin-Dmitrov Ridge, Malaya Almaatinka Valley; Tviberi River)

Akademiia nauk SSSR. Institut geografii. [Mudflows of the U.S.S.R. and measures for controlling them] Seli v SSSR i mery bor'by s nimi. Moskva, Izd-vo "Nauka," 1964. 280 p.

Approximate estimate of the runoff of the Panj River. V P Svetitskii Izv AN Uz SSR.Ser tekh nauk 7 no 6 92-93 '63

Evaluating subsurface water discharge of rivers. N.N. Verigin Trudy Lab gidr sooruzh VODGEO no 4 177-196 '63

Evaluation of guarantee of hydrologic values. IU.B. Vinogradov Izv AN Uz.SSR Ser.tekh nauk 8 no 1 61-67 '64

RURAL CONSTRUCTION

Sorokin, F.F. [Mobile construction yards in rural construction] Peredvizhnye poligony v sel'skom stroitel'stve. Moskva, Stroiizdat, 1964. 123 p. (V pomoshch' sel'skomu stroiteliu)

RURAL EDUCATION see Education, Rural

RURAL ELECTRIFICATION

All-union conference on rural electrification. D.Komarov. Elektrichestvo no.5:95 My '64.

Concerning A P Korshunov's article "Design of economical grounding devices for rural power distribution networks" A B Oslon Elek stat 35 no 1 93-94 Ja '64

Electrification as an important factor in the intensification of agricultural production. V F.Kozyrev. Ener-[illegible] 12 no.5 3-5 [illegible] '64.

Greater emphasis on rural electrification. Prom.energ. 19 no.5:2-4 My '64.

Increase in the reliability of rural electric power distribution systems N M Zul' Elek sta 35 no 3 70-73 Mr '64

Selecting the economically efficient wire sizes for rural overhead power distribution networks taking into account their reconstruction. I.L.Zh. Arstanov. Vest. sel'khoz.nauki [Kazakh.] 7 no.4,124-130 Ap '64.

RURAL LIBRARIES

Applying knowledge to concrete problems. A.Kadaeva. Bibliotekar' no.6:12 Je '64.

There should be no laggards. N.Get'man. Bibliotekar' no.6:8-9 Je '64.

Together with the collective farm. V.Maliugin, P.Kuz'michev. Bibliotekar' no.6:10-11 Je '64.

RURAL MEDICINE see Medicine, Rural

RURAL PLANNING

(see also subdivision under Yesil' District)

Planning the dwelling areas in collective farm villages [in Azerbaijani with summary in Russian] F. Faradzhev. Izv.AN Azerb.SSR.Ser.obshchestv.nauk no 6; 61-71 '63.

RURAL WATER SUPPLY see Water supply, Rural

RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

[Administrative-territorial division of the R.S.F.S.R. as of January 1, 1964] Administrativno-territorial'noe delenie RSFSR na 1 ianvaria 1964 goda. Moskva, Izvestiia, 1964. 454 p.

RUSSIA—ARMED FORCES

From the history of the military oath. P. Pimoshenko. Voen.-ist.zhur. 6 no.5,118-119 My '64.

Great exploit of the Soviet people. P.Kurochkin. Komm. Vooruzh.Sil 4 no.8:8-15 Ap '64.

Preserve and increase combat glory. Voen.vest. 43 no.5 3-5 My '64

Strengthen the defense of our country. Tekh.i vooruzh. no 1:2-3 Ja '64.

Why is the Day of the Soviet Army and Navy celebrated on the 23d of February? S.Naida. Voen.-ist.zhur. 6 no.5,114-117 My '64.

RUSSIA—ARMED FORCES—EQUIPMENT

Mighty arsenal of victory. V. Petrukhin. Voen.znan. 40 no.4 12-13 Ap '64.

RUSSIA—ARMED FORCES—MEDALS, BADGES, DECORATIONS, ETC.

Bearers of the Gold Star I.Gaglov, M Vodop'ianov. Sov voin 46 no 7 40-43 Ap '64

Military calendar Voen.znan 40 no 4 48 Ap '64

RUSSIA—ARMED FORCES—MILITARY LIFE

Care for the families of servicemen E Burs, G Krivtsov Sov voin 46 no 7 38 Ap '64

Protect him in combat A. Pavlov. Voen znan. 40 no.4 6-7 Ap '64.

RUSSIA—ARMED FORCES—OFFICERS

Officers' meetings. Komm.Vooruzh.Sil 4 no.8:85-86 Ap '64.

RUSSIA—ARMED FORCES—ORGANIZATION

Activity of the Communist Party in carrying out single commands in the Armed Forces (1925-1931) IU. Petrov Voen.-ist zhur. 5 no.5:12-23 My '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Admission in the CPSU and the party commission. M Lazebnikov, Komm.Vooruzh.Sil 4 no 8:46-49 Ap '64.

The commander is a teacher. Voen.vest. 44 no.6:3-6 Je '64.

Danilevskii, A.F. [V.I. Lenin and the problems of military organization at the Eighth Congress of the Russian Communist Party (Bolshevik)] V.I. Lenin i voprosy voennogo stroitel'stva na VIII s"ezde RKP(b). Moskva, Voenizdat, 1964. 93 p.

Duty and responsibility of the military builder. Komm Vooruzh.Sil 4 no.9 61-65 My '64.

The leader of political studies is a passionate propagandist of party ideas. Komm.Vooruzh.Sil 4 no.8:3-7 Ap '64.

News of party and political work. Komm.Vooruzh.Sil 4 no.8:93-96 Ap '64.

News of party and political work. Komm.Vooruzh.Sil 4 no.9 94-96 My '64.

Officers' meetings. Komm.Vooruzh.Sil 4 no.8:85-86 Ap '64.

[Party and political work in the Soviet Armed Forces] Partiino-politicheskaia rabota v Sovetskikh Vooruzhennykh Silakh. Moskva, Voenizdat, 1964. 460 p.

The political officer is the organizer of party work. P.Isakov. Komm Vooruzh.Sil 4 no.8,23-29 Ap '64.

Political organs and party committees with the rights of a district committee of the CPSU. Komm.Vooruzh.Sil 4 no.8:84 Ap '64.

[Searching and finding; an outline of the experience of the Communist Youth League's committees and the bureaus of primary organizations of military units, ships, and military education institutions] Poiski i nakhodki, ocherki ob opyte raboty komsomol'skikh komitetov i biuro pervichnykh organizatsii chastei, korablei i voennykh uchilishch. Moskva, Voenizdat, 1964. 189 p. (Bibliotechka komsomol'skogo aktivista)

Visual aids for political studies N. Dormidontov. Komm.Vooruzh.Sil 4 no.9:81-83 My '64

Work demanding inspiration. F.Panfilov. Komm. Vooruzh.Sil 4 no.8:72-74 Ap '64.

RUSSIA—ARMED FORCES—SPORTS

Forty-sixth anniversary of the Armed Forces of the U.S.S.R. is a holiday of all the people. Teor i prak. fiz kul't. 27 no 2:1-7 F '64

RUSSIA—ARMED FORCES—SUPPLIES AND STORES

Zealously, in a managerial manner. F.Saushin, V.Dvoinikov. Komm.Vooruzh.Sil 4 no.8:49-51 Ap '64.

RUSSIA—ARMY

D'iakov, V.A., and I.S. Miller. [Revolutionary movement in the Russian Army and the insurrection of 1863] Revoliutsionnoe dvizhenie v russkoi armii i vosstanie 1863 g. Moskva, Izd-vo "Nauka," 1964. 446 p.

Forty-fifth anniversary of the internal security troops of the Republic. I.Kizilov. Voen.-ist.zhur. 6 no.5:120-123 My '64.

In the combat files of the 13th Army. M.Kozlov. Voen.-ist.zhur. 6 no.5:53-61 My '64.

Kulish-Amirkhanova, A.S. [Role of the Red Army in the economic and cultural construction in Daghestan (1920-1923)] Rol' Krasnoi armii v khoziaistvennom i kul'turnom stroitel'stve v Dagestane (1920-1923 gg.) Makhachkala, Dagestanskii filial Akad. nauk SSSR, 1964. 151 p.

RUSSIA—ARMY—AIRBORNE TROOPS

Improve the field training of airborne troops. V. Margelov. Voen.vest. 43 no.5:8-9 My '64.

RUSSIA—ARMY—MILITARY LIFE

We discuss the letter "With a thought about tomorrow." G Il'in, L.Shabetia Sov voin 46 no 7:31 Ap '64

When young people are forgotten IU.Proniakin. Sov. voin 46 no 7:32-33 Ap '64.

RUSSIA—ARMY—POLITICAL ACTIVITY

Follow-up of our articles. Komm.Vooruzh.Sil 4 no.8:96 Ap '64.

Party organization and technical training. N. Egorov. Tekh.i vooruzh. no 1:4-8 Ja '64.

RUSSIA—ARMY—SUPPLIES AND STORES

Reserves in action. V.Novik, V.Larin. Komm.Vooruzh. Sil 4 no.8:57-60 Ap '64.

RUSSIA—COMMERCE

Expansion of foreign trade relations of the U.S.S.R. and the objectives of the merchant marine. A. Savel'ev. Mor.flot 21 no.3,35-39 Mr '64.

[Manual for accounting in state commerce] Spravochnik po bukhgalterskomu uchetu v gosudarstvennoi torgovle. Izd.3., perer. Moskva, Ekonomika, 1964. 687 p.

Moscow. Institut mezhdunarodnykh otnoshenii. [Foreign trade of the U.S.S.R., 1946-1963] Vneshniaia torgovlia SSSR (1946-1963 gg.). Pod red. D.F. Fokina. Moskva, IMO, 1946. 189 p.

Skorokhodov, S.A. [Developing credit for the domestic trade of the U.S.S.R.] Razvitie kreditovaniia vnutrennei torgovli SSSR. [Leningrad] Izd-vo Leningr. univ., 1964. 159 p

There is a need for a standard regulation on brigade material responsibility. N. Fesenko Sov.torg. 36 no 6,28-29 Je '63

RUSSIA—COMMERCE—HANSA TOWNS

The commerce between Russia and the Hansa towns in the evaluation of a West-German scholar. A. L. Khoroshkevich. Vop.ist. 39 no.6 204-205 Je '64.

RUSSIA—COMMERCE—SWEDEN

The story of 1,000 locomotives. Emy Lorentsson. Nov. vrem. 21 no.24:24-26 Je '64.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—CULTURE

Arnol'dov, A.I. [Toward the golden age of communist culture] K rastsvetu kommunisticheskoi kul'tury. Moskva, Izd-vo "Znanie," 1964. 40 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 10)

RUSSIA—DESCRIPTION AND TRAVEL

Moscow-Gorkiy-Moscow; guidebook on the Moscow Canal, and the Volga, Oka, and Moscow Rivers] Moskva-Gorkii-Moskva, putevoditel' po kanalu imeni Moskvy, Volge, Oke i Moskve-reke. Moskva, Izd-vo "Transport," 1964. 101 p. illus.

RUSSIA—ECONOMIC CONDITIONS

Glebov, A.N. [The Party's struggle for completion of the socialist reconstruction of the national economy. Victory of socialism in the U.S.S.R., 1933-1937] Bor'ba partii za zavershenie sotsialisticheskoi rekonstruktsii narodnogo khoziaistva. Pobeda sotsializma v SSSR (1933-1937 gg.). Moskva, Politizdat, 1964. 30 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

In the interest of the building of communism. Sots.trud 9 no.5:3-8 My '64.

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

Creative work of millions. V.Arkhipenko. Komm. Vooruzh.Sil 4 no.8:35-39 Ap '64.

Evaluation of production in an interbranch balance. N Solov'ev. Plan khoz 41 no.6,22-28 Je '64.

Gorovits, Sh.Kh. [Planning of a local economy in a region; collection of problems] Planirovanie mestnogo khoziaistva v raione; sbornik zadach. [n.p.] Vysshaia shkola, 1964. 72 p.

In the State Planning Commission of the U.S.S.R. Plan. khoz. 41 no 6 93-94 Je '64.

Increasing the economic efficiency and basic proportions of developing the national production in the new five-year plan. A Notkin Plan khoz. 41 no 6.1-10 Je '64

IUr'ev, IU. [Socialism as the first phase of communism; the economic structure of the socialist society. Textbook for students of special secondary schools of social sciences] Sotsializm - pervaia faza kommunizma, ekonomicheskii stroi sotsialisticheskogo obshchestva. Posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Petrozavodsk] Vysshaia shkola, 1964. 58 p.

Khrushchev, N.S. [Measures for the fulfillment of the program of the CPSU in the area of improving the people's welfare; report and concluding speech at the session of the Supreme Council of the U.S.S.R. on July 13 to 15, 1964] O merakh po vypolneniiu programmy KPSS v oblasti povysheniia blagosostoianiia naroda; doklad i zakliuchitel'noe slovo na sessii Verkhovnogo Soveta SSSR, 13 i 15 iiulia 1964 goda. Moskva, Politizdat, 1964. 78 p.

Komissarov, A.N. [Control in the Lenin way] Kontrol' po-leninski. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 64 p. (Bibliotechka agitatora)

RUSSIA—INDUSTRIES (Continued)

Fabrications of bourgeois economists about socialist industrialization in the U S S R IU Vorob'ev Vop ekon no 6 131-135 Je '64

From the editor's mail Sov profsoiuzy 20 no.12:30-31 Je '64

In the State Planning Commission of the U S S R Plan khoz 41 [illegible] Je '64

Moscow. Universitet. Kafedra istorii SSSR. [From the history of the laboring class and industry of the U.S.S.R., papers of the Department's graduates] Iz istorii rabochego klassa i promyshlennosti SSSR, sbornik statei vypusknikov kafedry. [Moskva] Izd-vo Moskovskogo univ., 1964. 223 p.

RUSSIA—MANUFACTURES

On quality, assortment, plan and incentives A Morgunov, A Tolkachev Sov torg. 37 no 1 17-22 Ja '64.

On the revision of the wholesale prices for food and light industry products G Kubke Fin SSSR 38 no 5 20-22 My '64

Several problems in improving the quality of consumers' goods. IA.Orlov. Vop.ekon. no.5 44-53 My '64.

RUSSIA—POLITICS AND GOVERNMENT

[Gazette of the Supreme Soviet of the R S F.S.R.] Ved. Verkh Sov.RSFSR 8 nos 24-27 Je-Jl '64

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh Sov SSSR 27 nos.28-31 Jl '64

Ivashchenkov, P D [Leninist style in party work and state administration] Leninskii stil' v partiinoi i gosudarstvennoi rabote Leningrad, Ob-vo "Znanie" RSFSR,

Russia (1917- R S F S R.) Laws, statutes, etc [Statutes of the R S F S R and decrees of the Supreme Soviet of the R S F S.R , adopted by the Sixth Supreme Soviet of the R S F S.R , third session, 10-11 June 1964] Zakony RSFSR i postanovleniia Verkhovnogo Soveta RSFSR, priniaty na tret'ei sessii Verkhovnogo Soveta RSFSR shestogo sozyva (10-11 iiunia 1964 g.) [Moskva] Izd Verkhovnogo Soveta RSFSR, 1964 370 p

V I Lenin on the organizational problems of state administration. M.A Shatir. Sov.gos.i pravo 34 no.6,12-21 Je '64

RUSSIA—RELATIONS (GENERAL) WITH AZERBAIJAN

A new stage of Russo-Azerbaijani literary relations in the 19th century [in Azerbaijani with summary in Russian]. Shikhali Kurbanov. Izv AN Azerb.SSR Ser obshchestv.nauk no 6 27-37 '63

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Delegation of the Czechoslovak working youth in the U.S.S.R, from November 1925 to January 1926. E.D. Vorob'eva. Uch.zap.Inst.slav. 28;85-104 '64.

RUSSIA—RELATIONS (GENERAL) WITH EASTERN EUROPE

Lawyers from socialist countries in the Soviet Union Sots zakon 41 no 3 73-77 Mr '64

RUSSIA—RELATIONS (GENERAL) WITH ECUADOR

We are with you, comrades N.Mostovets Agitator no 9 25-26 My '64

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

International relations of the Omsk Medical Society (1883-1908). I.G.Legen'kii. Trudy Perm.gos.med. inst. 43:165-170 '63.

RUSSIA—RELATIONS (GENERAL) WITH HUNGARY

Hungarian delegation in the Soviet Union. Khleb.i kond. prom. 7 no.12-40 D '63.

RUSSIA—RELATIONS (GENERAL) WITH ITALY

Potentialities of mutual cooperation Prof.-tekh.obr 21 no.5 32 My '64.

RUSSIA—RELATIONS (GENERAL) WITH UNITED STATES

Philosophical symposium in the U.S.A M.B Mitin, M E Omel'ianskii. Vop filos 18 no 5 101-107 '64

RUSSIA—REVOLUTION, 1917-1921

Lost world. B.Engel'gardt. Voen.-ist.zhur. 6 no.5: 71-83 My '64.

Nationwide support of Lenin's decree on peace. G.T. Bezkorovaina. Ukr.ist.zhur. 8 no.2:54-58 Mr-Ap '64.

Tropkin, N V. [V.I. Lenin's book "'Left-wing' communism, an infantile disorder"] O knige V.I. Lenina "Detskaia bolezn' 'levizny' v kommunizme." Moskva, Politizdat, 1964. 77 p. (Konsul'tatsii po istorii KPSS)

The victory which predetermined the defeat of Kolchak, Voen.vest. 43 no 5:124-125 My '64.

RUSSIA—REVOLUTION, 1917-1921—AERIAL OPERATIONS

[Soviet pilots in battles for the homeland] Sovetskie letchiki v boiakh za Rodinu. Moskva, Izd-vo DOSAAF, 1963. 195 p.

RUSSIA—REVOLUTION, 1917-1921—BIOGRAPHY

Komskii, B.G. [A lucky wind] Schastlivyi veter. Moskva, Voenizdat, 1964. 83 p. (Biblioteka soldata i matrosa)

RUSSIA—REVOLUTION, 1917-1921—ESTONIAN PARTICIPATION

Tipner, Johannes. [In the fire of revolution] V ogne revoliutsii. Tallinn, Estonskoe gos izd-vo, 1964. 309 p. 12 diagr. (insert)

RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

Györkei, Jenö. [Side by side with Frunze. Translated from the Hungarian] Riadom s Frunze. Moskva, Voen. izd-vo, 1963. 106 p.
(CSt-H)

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Kovnator, R.A. [The first years] Pervye gody. Moskva, Politizdat, 1964. 157 p.

Liudvinskaia, T.F. [Great, close and simple] Velikii, blizkii, prostoi. Moskva, Izd-vo "Znanie," 1964. 76 p. (Novoe v zhizni, nauke, tekhnike. I Seriia. Istoriia, nos. 7-8)

Vorontsov, A.V., and L.N. Punin. [Heroes do not die] Geroi ne umiraiut. Leningrad, Ob-vo "Znanie," 1964. 53 p.

RUSSIA—REVOLUTION, 1917-1921—YUGOSLAV PARTICIPATION

Cooperation in fight. I.D. Ochak. Nov.i noveish.ist no.1 167-168 '64.

RUSSIA—REVOLUTION OF 1905

Moscow industrialists in the years of the first Russian revolution. V.IA.Laverychev. Vest.Mosk.un.Ser.9: Ist. 19 no.3,37-53 My-Je '64.

Politically active Russian physicians as characterized by the Secret Political Police Department P.E. Zabludovskii, IU.A.Kazanskaia Trudy Perm.gos. med inst 43 193-198 '63.

RUSSIA—SOCIAL CONDITIONS

"The Soviet reality is beautiful. " D Matveenko Sov profsoiuzy 20 no 11 40-41 Je '64

RUSSIA—STATISTICS

Evaluation of production in an interbranch balance N Solov'ev Plan khoz 41 no 6 22-28 Je '64

RUSSIA—STATISTICS, VITAL

Batkis, G.A. [Problems in health and vital statistics; selected works] Voprosy sanitarnoi i demograficheskoi statistiki; izbrannye proizvedeniia. Pod red. A.M. Merkova. Moskva, "Statistika," 1964. 289 p.

RUSSIA, ASIATIC—CORALS, FOSSIL

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. [Silurian and Devonian corals in the Asiatic part of the U.S.S.R.] Siluriiskie i devonskie korally Aziatskoi chasti SSSR. Moskva, Izd-vo "Nauka," 1964. 77 p. illus.

RUSSIA, NORTHERN—EARTHWORK

Orlovskii, A.D. [Mechanization of earthwork for construction in the Soviet Northeast] Mekhanizatsiia zemlianykh rabot v stroitel'stve na Severo-Vostoke SSSR. [Magadan] Magadanskoe knizhnoe izd-vo, 1963. 93 p.

RUSSIA, NORTHERN—ECONOMIC CONDITIONS

Akademiia nauk SSSR. Institut istorii. [Acts related to the socioeconomic history of northeastern Russia at the end of the 14th and the beginning of the 16th century] Akty sotsial'no-ekonomicheskoi istorii Severo-Vostochnoi Rusi kontsa XIV-nachala XVI v. Moskva, Izd-vo "Nauka."
Vol. 3. 1964. 686 p.

RUSSIA, NORTHERN—EROSION

Natural erosion in the zone of perennial congelation. S S.Korzhuev Izv AN SSSR.Ser geog no. 3 48-52 '64

RUSSIA, NORTHERN—FORESTS AND FORESTRY

Basic problems of the interrelation of forest and tundra at the present stage. B.A.Tikhomirov. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9:60-70 '62.

RUSSIA, NORTHERN—FROZEN GROUND

Natural erosion in the zone of perennial congelation. S.S Korzhuev Izv.AN SSSR Ser.geog no 3 48-52 '64.

RUSSIA, NORTHERN—INDUSTRIES

Kiselev, L.E. [The North opens up its wealth; from the history of the industrial development of the Soviet Far North] Sever raskryvaet bogatstva; iz istorii promyshlennogo razvitiia Sovetskogo Krainego Severa. Moskva, Izd-vo "Mysl'," 1964. 108 p.

RUSSIA, NORTHERN—TUNDRAS

Basic problems of the interrelation of forest and tundra at the present stage. B.A.Tikhomirov. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9:60-70 '62.

RUSSIA, NORTHWESTERN—ECONOMIC GEOGRAPHY

[Northwestern R.S.F.S.R.; economic geography] Severo-Zapad RSFSR; ekonomiko-geograficheskaia kharakteristika. Moskva, "Mysl'," 1964. 649 p.

RUSSIA, NORTHWESTERN—NITROGEN FERTILIZERS

Ammonia liquor, a valuable fertilizer for the northwestern zone of the U.S.S.R. A.F.Savchenkov, Z D Maliutina. Trudy LIEI no.46 20-26 '63.

RUSSIA, SOUTHERN—FOREST ECOLOGY

General features of the formation of natural forest edges in the far southeast IU.K.Dundin. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9;121-127 '62.

RUSSIA, SOUTHERN—PHYSICAL GEOGRAPHY

Kotel'nikov, V.L. [Southern belt of the European U.S.S.R.; a study of its nature] IUzhnaia polosa Evropeiskoi chasti SSSR, ocherk prirody. Moskva, Geografgiz, 1963. 220 p.

RUSSIA, SOUTHERN—RYE

Winter rye in sandy soils of the arid southeast A F Ivanov O A Zeifert Zemledelie 26 no 2 77-80 F '64

RUSSIAN ABBREVIATIONS see Abbreviations, Russian

RUSSIAN DRAMA—HISTORY AND CRITICISM

Soviet Russian dramaturgy. U.A.Gural'nik. Izv.AN SSSR.Ser lit i iaz. 22 no.6 514-540 N-D '63.

RUSSIAN LANGUAGE—BIBLIOGRAPHY see Bibliography—Russian language

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Organizing laboratory work on phonetics and orthoepy of the present-day Russian literary language (with the use of audio-visual aids) at the department of historical philology. E.P.Tauskala. Uch.zap.Kras gos.ped. inst. 25 no.2,12-32 '63

RUSSIAN LANGUAGE—DIALECTS see subdivision under Kostroma Province

RUSSIAN LANGUAGE—DICTIONARIES

Consult a dictionary! G.Lebedeva. Donik.vosp. 36 no.12;54-58 D '63.

Potikha, Z.A. [Word-formation dictionary for schools] Shkol'nyi slovoobrazovatel'nyi slovar'. Nauchn. red. S.G. Barkhudarov. Izd.2., ispr. i dop Moskva, Prosveshchenie, 1964. 300 p.

RUSSIAN LANGUAGE—DICTIONARIES—ENGLISH

Akhmanova, O.S., ed. [Russian-English dictionary. Approximately 25,000 words] Russko-angliiskii slovar'. Okolo 25,000 slov. Izd. 16. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 503 p.

RUSSIAN LANGUAGE—DICTIONARIES—JAPANESE

Tulukov, M.A., comp. [Russian-Japanese economic and foreign trade dictionary] Russko-iaponskii obshcheekonomicheskii i vneshnetorgovyi slovar'. Moskva, Vneshtorgizdat, 1964. 456 p.

RUSSIAN LANGUAGE—DICTIONARIES—KALMYK

Elista. Kalmytskii nauchno-issledovatel'skii institut iazyka, literatury i istorii. [Russian-Kalmyk dictionary. Approximately 32,000 words] Russko-kalmytskii slovar'. Okolo 32 000 slov. Pod red. I.K. Ilishkina. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 903 p.

RUSSIAN LANGUAGE—DICTIONARIES—MOLDAVIAN

[Russian-Moldavian and Moldavian-Russian school dictionary] Shkol'nyi slovar' russko-moldavskii i moldavsko-russkii. Kishinev, Gos. izd-vo "Kartia Moldoveniaske," 1964. 338 p.

RUSSIAN LANGUAGE—GRAMMAR

Aleksandrovich, N.F. [Entertaining grammar] Zanimatel'naia grammatika. Izd.2., dop. Minsk, Izd-vo "Narodnaia asveta," 1964. 262 p.

RUSSIAN LANGUAGE—LEXICOGRAPHY

Leningrad. Universitet. [Manuscript lexicon from the first half of the 18th century] Rukopisnyi leksikon pervoi poloviny XVIII veka. [Leningrad] 1964. 401 p.

RUSSIAN LANGUAGE—MORPHOLOGY

Okon', Z.P., and V.I. Polovnikova. [Exercises in morphology for foreigners studying Russian] Sbornik uprazhnenii po morfologii dlia inostrantsev, izuchaiushchikh russkii iazyk. [Moskva] Izd-vo Mosk. univ.
No.1. [Numerals, adverbs] Chislitel'noe, narechie. 1964. 146 p.

RUSSIAN LANGUAGE—NUMERALS

Suprun, A.E. [Numerals and their study in schools] Imia chislitel'noe i ego izuchenie v shkole. Moskva, Uchpedgiz, 1964. 157 p.

RUSSIAN LANGUAGE—PHONETICS

Loss of the opposition of medium and medium-upper vowel phonemes in one North Great Russian dialect, according to spectral analysis data. R.F.Paufoshima. Izv.AN SSSR.Ser.lit.i iaz. 22 no.6:512-523 N-D '63.

SALMON
(see also subdivision under Black Sea; Ladoga, Lake; Varzuga River)

Salmon salting in circulating brine. N.I.Vazhnova. Ryb.khoz 40 no.1 84 '64.

SALMONELLA
(see also subdivision under Gorlovka, Donetsk Province; Kuznetsk Basin)

Isolation of symbiotic typhoid phages and some of their properties. R I.Pikovskaia, M.G.Gelashvili Zhur mikrobiol.,epid.i immun 40 no.6·91-95 Je '63.

Micromanipulator for work with unicellular cultures Josef Benedec. Lab.delo no.2,124-126 '64

Study of Salmonella adsorbed sera from the point of view of international standards. N.A.Khomenko, G.L.Rodionova Zhur.mikrobiol.,epid.i immun. 40 no.10·120-124 O '63.

Variability of paratyphoid bacteria G M Ivanova, A A Miakushina Trudy AZVI 12 330-333 '61

SALMONELLA—CULTURES AND CULTURE MEDIA
Properties of the cultures of typhoid fever microbes selected under conditions of hyperthermia V N Valueva Trudy Irk IEG no 5 199-205 '60

SALMONELLA INFECTIONS
(see also subdivision under Gorkiy; Komsomolsk-on-Amur, Solnechnogorsk, Moscow Province)

Bacterial excretion in food poisoning of salmonellal etiology. E.G.Mel'nik, IU.M.Mikhailova. Zhur. mikrobiol.,epid.i immun. 40 no.6·45-48 Je '63

Deformation of salmonella in the various stages of the infection process, author's abstract. P.I.Pritulin. Zhur.mikrobiol.,epid.i immun. 40 no.10 148 O '63.

Shur, I.V. [Diseases of salmonellosis etiology] Zabolevaniia salmonelleznoi etiologii. Moskva, Meditsina, 1964. 225 p.
(DNLM)

Significance of the phage titer growth reaction in the diagnosis of salmonellosis. P.I.Kambaratov. Zhur. mikrobiol.,epid.i immun 40 no.6 40-44 Je '63

Some pathogenic problems of experimental Salmonella infections. K.A.Maksimovich. Zhur.mikrobiol., epid.i immun. 40 no.10 131-135 O '63.

Sporadic salmonellosis. N.F.Tiutkina, L.M.Margorina, I.I.Shatrov. Zhur.mikrobiol.,epid.i immun. 40 no.6: 38-40 Je '63

Therapeutic effectiveness of the natural gastric juice in paratyphoid fever in ducklings M M Feklistov, V I Krikov Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 32-33 '63

SALMONELLA INFECTIONS—PREVENTIVE INOCULATION
Some problems of the morphological characteristics of the vaccinal process in Gartner's paratyphoid B A Matvienko Trudy AZVI 12·303-325 '61

SALSOLINE
Metabolic utilization of the alkaloid salsoline by microorganisms. IU.S.Nabokov, M.N.Samsonova, IE.H. Pushkar. Farmatsev.zhur 14 no.4,62-64 '59

Use of the crystallooptic method in chemicolegal analysis of harmine, cocaine and salsoline V.T.Pozdniakova. Farmatsev.zhur. 14 no 4;39-44 '59

SALT—TRANSPORTATION
Salt loading machine. V.N.Semenov. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.2:68-69 '64.

SALT DOMES see subdivision under Caspian Lowland; Volga-Ural region

SALT FISH see Fish, Salt

SALT IN THE BODY
Change in water-salt metabolism in Addison's diseases. M.G.Khodzhaeva Trudy Inst.kraev.eksper.med. no.5:142-146 '63.

SALTS
Magnetic relaxation of Li^7 nuclei in aqueous solutions of paramagnetic salts. R.K.Mazitov. Zhur.strukt. khim. 5 no.2:302-303 Mr-Ap '64.

Processes and products of the interaction of high-molecular weight compounds with inorganic salts. Part 3. Reaction of aqueous solutions of polyacrolein. I.V. Andreeva and others Radiokhimiia 6 no.1,86-93 '64.

SALTS, DOUBLE
X-ray diffraction examination of a double salt $KNH_4H_3IO_6$. V.K.Trunov, M.Dratovski. Vest.Mosk.un.Ser.2· Khim. 19 no.1 49-50 Ja-F '64.

SALTWATER FISHING
Invisible barrier. N.Lebedev and others. Izobr.i rats. no.6;10 '64.

SAL'YAN STEPPE—DRAINAGE
Salt composition of the drainage waters of the Mugan-Sal'yan massif. A.S.Muradov. Dokl.AN Azerb.SSR 19 no.10;63-68 '63.

SAMAKINO REGION (UL'YANOVSK PROVINCE)—FRUIT CULTURE
Zinc deficiency of soils in the orchards of the Samakino State Nursery Farm. I.S.Kaurichev. Dokl TSKHA no.84;52-58 '63

SAMAKINO REGION (UL'YANOVSK PROVINCE)—SOILS—ZINC CONTENT
Zinc deficiency of soils in the orchards of the Samakino State Nursery Farm I S Kaurichev Dokl TSKHA no 84 52-58 '63

SAMARIUM
Study of some properties of synthetic fluorite with an admixture of samarium. I.N.Guseva, A.A.Urusovskaia. Kristalografiia 9 no.3,432-435 My-Je '64.

SAMARIUM COMPOUNDS
X-ray diffraction examination of praseodymium and samarium aluminates. N.V.Margolis, N.A.Toropov, IU.P.Udaloi. Kristalografiia 9 no.3;408-410 My-Je '64.

SAN ANDREAS FAULT
Talas Fergana strike-slip fault and San Andreas Fault. V.S.Burtman. Trudy GIN no.80;128-151 '63.

SAN JOSÉ SCALE—EXTERMINATION
(see also subdivision under Stavropol Territory)

Controlling the San José scale T.I.Rogova. Zashch. rast.ot vred.i bol. 9 no.2;49-50 '64

SAND
(see also subdivision under Zastavna region, Chernovtsy Province)

Study of the operation of a hydraulic cyclone in a saturated regime. L.A.Smolenskii. Trudy MIIT no.176 126-129 '63.

SAND—CLASSIFICATION
Study and calculation of hydraulic cyclone sand classifiers L.A.Smolenskii, L.S.Zhivotovskii, B.I.Karlin Trudy MIIT no.176:108-125 '63.

Study of the hydrodynamics of flow in horizontal hydraulic sand classifiers. B.M.Levin, V.I Droviannikova. Trudy MIIT no.176·130-143 '63.

SAND—PERMEABILITY
Evaluating the application of the linear law in filtration calculations. N D.Bessonov. Vop.fil'tr.rasch.gidr. soor. no.4 151-160 '64.

SAND—SPECTRA see subdivision under Karakum

SAND-LIME PRODUCTS see subdivision under Minsk

SANDPIPERS
Territorial relations of sandpipers in flight. E.N Panov Ornitologiia no 6 418-423 '63.

SANDSTONE see subdivision under Kotuy Valley; Maymecha Valley

SANDY SOILS
Binding sandy soils with polyacrylamide emulsion. V.F. Gorbacheva, Izv.AN Turk.SSR.Ser.biol.nauk no.2· 57-60 '64.

Deformation of straight canals in sandy soils. M.I. Vinogradov. Trudy MIIT no.176:26-33 '63.

SANNIKOV STRAIT—OCEANOGRAPHY
Method for forecasting the level in the Sannikov Strait. N.V.Mustafin. Trudy AANII 248;67-70 '63.

SAPROPEL
Composition and chemical nature of sapropelic acids. N.M.Karavaev, R.A.Vener, K.I.Koroleva. Dokl.AN SSSR 156 no.4;877-879 Je '64.

SAPROPEL AS FEED
Lacustrine sapropels and their use in agriculture A.V. Smirnov Gidr i mel. 16 no.5;37-39 My '64.

SARATOV—BEARING INDUSTRY
Purkin, B.L. [Bearings manufactured in Saratov] Saratovskie podshipniki. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 37 p.

SARATOV—MACHINERY INDUSTRY—QUALITY CONTROL
Lebedev, A.V. [New development in the drive for production quality; the Saratov system of organizing the manufacture of products without defects] Novoe v bor'be za kachestvo produktsii; o sisteme organizatsii bezdefektnogo izgotovleniia produktsii na saratovskikh predpriiatiiakh. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no.9/81)

SARATOV PROVINCE—ANTHRAX
Some epidemiological characteristics of an outbreak of anthrax in one of the state farms in Saratov Province. B.M.Tav'ev, M.N.Malysheva. Zhur.mikrobiol.,epid. i immun. 40 no.6;129 Je '63.

SARATOV PROVINCE—CHLOROSIS (PLANTS)
Causes of chlorosis and ways for its elimination in orchards of the Volga region [with summaries in English, German, and French]. G.V.Medoks, B V.Andreev, A G.Kondrat'eva. Vest.sel'khoz.nauki 8 no.9;125-129 S '63.

SARATOV PROVINCE—FIELD CROPS
Basic tillage of Chestnut soils under irrigation. P.K. Ivanov, P.A.Grigor'ev. Vest.sel'khoz.nauki 9 no.2; 56-58 F '64.

SARATOV PROVINCE—POTASSIUM SALTS
New data on the geology and potassium-bearing salt structures of Ozinki and Gremuchiy. S.M.Korenevskii, M.L.Voronova. Trudy VSEGEI 99:215-232 '63.

SARATOV PROVINCE—TILLAGE
Basic tillage of Chestnut soils under irrigation. P.K. Ivanov, P.A Grigor'ev. Vest.sel'khoz.nauki 9 no.2 56-58 F '64.

SARCOLYSINE
Change in the sensitivity of tumorous cells to sarcolysine in cultivation outside of the organism. I.M.Surikov, T.N.Ignatova, V.M.Bresler. Sbor.rab.Inst.tsit. no.7·113-119 '63.

Effect of sarcolysine and the ThioTEPA on ascites tumors in mice and rats. M.A.Presnov, A.T.Abbasov, E.A.Pestova. Vop.onk. 8 no.11 36-45 '62.

SASOVO DISTRICT—SOIL FERTILITY
Efficient use of the most fertile soils in Sasovo District of Ryazan Province. N.N.Poddubnyi. Dokl TSKHA no 84·39-44 '63

SASOVO DISTRICT—SOILS
Comparative evaluation of the quality of soils in Sasovo District, Ryazan Province. N N Poddubnyi, A I Kurbatov. Dokl.TSKHA no.84;93-97 '63

SASSANIDS
Bahram II and Narse Iran, from the seventies to the thirties of the third century B.C. V.G.Lukonin. Vest. drev.ist. no.1;48-63 '64.

SATIRE
Theories of the Soviet satiric feuilleton in criticism of the 1920's. A.N.Starkov. Izv.AN SSSR.Ser.lit.i iaz. 22 no.6;478-487 N-D '63.

SATIRE, GREEK
Lexicon of satiric dramas by Aeschylus, on the style characteristics of this genre. V.N.IArkho Izv.AN SSSR.Ser.lit.i iaz. 22 no 6,499-511 N-D '63.

SATPAEV, KANYSH IMANTAEVICH, 1899-1964?
Kanysh Imantaevich Satpaev; an obituary. Izv.AN Kazakh. SSR.Ser.biol.nauk 2 no.1;3-4 Ja-F '64.

SAUREL
(see also subdivision under Mediterranean Sea)

Food supply for the larvae of saurel (Trachurus mediterraneus ponticus Aleev) in early phases of their development. V.I.Siniukova. Trudy SBS 16,282-291 '63.

SAVINGS BANKS—ACCOUNTING see subdivision under Zhitomir Province

SAWING
Studying the sawing resistance of spruce wood and bark along the fibers N.S.Drozdov Uch.zap.Petrozav. gos.un. 11 no.2,28-32 '63.

SAWMILLS
Kaliteevskii, R.E., A.A.Tarakanova, and S.V.Turetskii, [Mechanized continuous sawmilling with the R63 log frame saws] Mekhanizirovannye potoki s lesopil'nymi ramami R63. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 35 p.

SAWS
More on the hardening of saw teeth. K.I.Dem'ianovskii, V.I.Byzov. Der.prom. 13 no.6;15-16 Je '64.

SAWS—STANDARDS
[Cutting tools; files, needle files, hacksaw blades] Rezhushchii instrument; napil'niki, nadfili, nozhovochnye polotna. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 50 p. (SSSR. Gosudarstvennye standarty)

SAYAN MOUNTAINS—GEOLOGY
Analogues of the Usolye formation and facies-structural zones of the Lower Cambrian in the Eastern Sayan foothills. I.N.Sulimov. Dokl.AN SSSR 156 no.4: 838-840 Je '64.

SAYAN MOUNTAINS—PYROXENES
Monoclinic pyroxenes from the Kizir gabbro-syenite pluton (Eastern Sayan Mountains). A.P.Lebedev, O.K.Bogatikov. Zap.Vses.min.ob-va 93 no.2;139-146 '64.

SAYAN MOUNTAINS—SYENITE
Monoclinic pyroxenes from the Kizir gabbro-syenite pluton (Eastern Sayan Mountains). A.P.Lebedev, O.K.Bogatikov. Zap.Vses.min.ob-va 93 no.2:139-146 '64.

SAYAN-SHUSHENSKOYE HYDROELECTRIC POWER STATION—DAMS
Dam of the Sayan-Shushenskoye Hydroelectric Power Station on the Yenisey River. G A.Petro. Gidr stroi 34 no 4·10-14 Ap '64.

SEALING (TECHNOLOGY)

New thiokol sealers for the construction industry. IA. S Zaretskii and others. Stroi mat 10 no 3 8-9 Mr '64

SEALS (NUMISMATICS)

"Russian sphragistics and heraldry" by I. I. Kamentseva, N. V. Ustiugov. Reviewed by V. I. Strel's'kyi. Ukr. ist. zhur. 6 no. 2 150 Mr-Ap '64.

SEASICKNESS

Vozhzhova, A. I., and R. A. Okunev. [Seasickness and its control] Ukachivanie i bor'ba s nim. [Leningrad] Meditsina, 1964. 166 p.
(DNLM)

SEAWATER—ANALYSIS

Method of assaying vitamin B_{12} in seawater. A. T. Suprunov, Z. A. Muravskaia Trudy SBS 16 463-466 '63.

SEAWATER—COMPOSITION see subdivision under Atlantic Ocean, Bering Sea

SEAWATER—MICROBIOLOGY

Role of bacteria in the process of electrochemical steel corrosion in seawater [with summary in English]. I. A. Rozenberg. Mikrobiologiia 32 no 4:688-694 Jl-Ag '63.

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

I. M. Sechenov's materialist theory of sensory perception. V S. Shustova. Uch zap. Kazakh. un 40:66-78 '59.

Noteworthy dates in science and technology Shkola i proizv 8 no 7·94-96 Jl '64

SECONDARY ELECTRON EMISSION

Mel'tser, V. G. [Electron tubes with secondary emission and their applications] Lampy s vtorichnoi emissiei i ikh primenenie. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka, no. 514)

SECURINEGA see subdivision under Ukraine

SEDGES see subdivison under Caucasus

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEDIMENTATION AND DEPOSITION

Results of studying the intrasystem sedimentation tanks of Amur Darya. N. Bekimbetov. Izv. AN Uz. SSR Ser. tekh nauk 8 no. 1 50-54 '64.

SEED POTATOES

[Growing seed potatoes in the R. S. F. S. R.] Semenovodstvo kartofelia v RSFSR [By] D. I. Filippov i dr. Moskva, Sel'khozizdat, 1963. 166 p.
(DNAL)

Tairov, M. A., and T. I. Ezhov. [Transition to the exclusive planting of certified seed potatoes] Perekhod na sploshnye sortovye posevy kartofelia. Leningrad, Izd-vo "Kolos," 1964. 103 p.
(DNAL)

SEED PRODUCTION

(see also subdivision under Ukraine)

Aid to breeders and seed growers M. Kompaneets. Vest sel'khoz nauki 9 no 5 112-114 My '64

Importance of pruning in the production of wheat seed. V. O. Gulkanian. Izv. AN Arm. SSR. Biol. nauki 15 no 5 3-10 My '62.

[Manual on the seed production of vegetable and vine plants] Spravochnik po semenovodstvu ovoshchnykh i bakhchevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 694 p.
(DNAL)

Pollination and seed yield of alfalfa in Eastern Siberia. P. L. Goncharov. Trudy Vost.-Sib. fil. AN SSSR no. 35: 86-89 '62.

Russia (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Recommendations for the production of aromatic plant seeds] Rekomendatsii po semenovodstvu efiromaslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 27 p.
(DNAL)

SEEDLINGS

Effect of cooling sprouts of plants of the gourd family on their consequent growth and development. O. A. Zauralov, R. M. Tarkhanova. Trudy Vost.-Sib. fil. AN SSSR no. 35:43-50 '62.

SEEDS

Some biological characteristics of unripe seeds grown in nutrient solutions. I. P. Untila. Agrobiologiia no. 2: 211-215 Mr-Ap '64.

Studies on the alkaloid content of seeds in some Datura species. T. V. Zinchenko. Farmatsev zhur. 16 no 4: 35-40 '61.

Study of seed quality of introduced trees and shrubs. M. A. Kudzinau. Vestsi AN BSSR. Ser. biial. nav. no. 1: 42-49 '64.

Weed seeds and fruits in the potato and vegetable fields of the Volga-Akhtuba Floodplain. M. N. Koblova. Uch. zap. Kab.-Balk. gos. un. no. 10:89-104 '61.

SEEDS—CLEANING

The OKS-4,0 separator for cleaning sugar beet seeds A. K. Burabash, V. A. Grozubinskii. Trakt i sel'khozmash. no. 5 19-21 My '64.

SEEDS—DISINFECTION

(see also subdivision under Kazakhstan; Zaporozh'ye Province)

Disinfecting pea seeds. K. IA Kalashnikov. Zashch. rast. ot vred. i bol. 9 no 2:18-20 '64.

Effect of seed disinfection on the yield of carrots. M. K. Litvinova, V. I. Litvinov. Zashch. rast. ot vred i bol. 9 no. 2·22-23 '64.

Increase the efficiency of seed disinfection machines M Fedchenko T Podluzhskii Tekh v sel'khoz 24 no 5 52-54 My '64

Treating pea seeds before sowing. G. E. Sobol'. Zashch. rast. ot vred. i bol. 9 no. 2·27-28 '64.

SEEDS, EFFECT OF GAMMA RAYS ON

Effect of gamma irradiation of seeds on the extracts of cellular structures of sugar beet leaves. P. A. Vlasiuk, O. D. Kolomiiets', L. P. Vitkalenko. Dop. AN URSR no. 5,678-682 '64.

SEEDS, EFFECT OF RADIATION ON

Effect of the presowing irradiation of seeds with gamma rays of Co^{60} and neutrons on the technological properties of raw cotton and the fiber yield. R. E. Dubov. Izv. AN Azerb. SSR. Ser. biol. i med nauk no. 2:67-71 '62

Studying the progeny of tomato varieties grown from seeds irradiated with gamma rays. M. A. Musaev, T. IU. Abdullaeva. Izv. AN Azerb. SSR. Ser. biol. med. nauk no. 1:25-30 '64.

SEEDS, EFFECT OF TEMPERATURE ON

Effect of presowing cooling of watermelon seeds on the growth and development of plants. O. A. Zauralov. Trudy Vost.-Sib. fil. AN SSSR no. 35:55-65 '62.

Effect of the hardening of tomato seeds on the growing of seedlings without covering them by frames in Eastern Siberia. S. I. Misharin. Trudy Vost.-Sib. fil. AN SSSR no. 35·51-54 '62.

Resistance of grain crop seeds to low temperatures [with summaries in English, German, and French]. B. F. Germanov. Vest. sel'khoz nauki 8 no. 9:151-152 S '63

SEEPAGE

(see also subdivision under Central Chernozem region)

Determining the stationary depression surface of ground water in an interfluvial massif. G. P. Chernomashentsev. Vop. fil'tr. rasch. gidr. soor. no. 4·126-129 '64.

Dynamics of freshwater under irrigation canals. IA. K. Levin. Trudy VNIIGIM 42:5-19 '63.

Engineering geological evaluation of soils under ponds in the forest-steppe and steppe zones in the European part of the U.S.S.R. V. A. Emel'ianov. Trudy VNIIGIM 42:31-44 '63.

Studying the efficiency of irrigation systems in northern Bulgaria. I. S. Bairaktarski. Trudy VNIIGIM 42:79-92 '63.

SEEPAGE—MODELS

Calculation of spatial flow toward drains under complex hydrogeological conditions. A. V. Romanov, V. F. Aleksandri, I. D. Kuz'menko. Vop. fil'tr. rasch. gidr. soor. no. 4 91-107 '64.

Use of the electrohydrodynamic analogy method for studying spatial filtration under complex conditions. N. I. Druzhinin. Vop. fil'tr. rasch. gidr. soor. no. 4, 108-126 '64.

SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC PROSPECTING

(see also subdivision under Artashat District; Baltic Shield; Caspian Lowland; Kola Peninsula; Pechenga District)

Development of the physical foundations of seismic prospecting methods I S Berzon. Izv AN SSSR Ser. geofiz no. 5 625-635 My '64

SEISMIC WAVES

Effect of the depth of underground pipes on their seismic resistance and ways for reducing the depth. T. Rashidov. Izv. AN Uz. SSR. Ser. tekh nauk 7 no. 6:35-40 '63

Study of forced vibrations of the plate-shaped flood-gate of a hydroelastic system caused by a seismic shock. R Kh Mukhutdinova. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no 6 30-34 '63

SEISMOLOGY

(see also subdivision under Uzbekistan)

Use of the instrument method in estimating the stability of structures. A. I. Martem'ianov, K. S. Abdurashidov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 2:50-58 '64.

SELENIUM

Advantage of extracting selenium from pyritic coking coals. N. I. Kononenko. Nauch. trudy PermNIUI no. 4. 40-45 '62.

IUshko-Zakharova, O. E. [Geochemistry and mineralogy of selenium and tellurium in copper-nickel deposits] Geokhimiia i mineralogiia selena i tellura v medno-nikelevykh mestorozhdeniiakh. Moskva, Izd-vo "Nauka," 1964. 110 p.

Partition chromatography on fluoroplast-4. Isolation of trace elements of Se from SrO target irradiated by fast protons. L. N. Moskvin. Radiokhimiia 6 no. 1· 110-111 '64.

SELENIUM—PHOTOELECTRIC PROPERTIES

Dependence of the relaxation time of the anomalous photoconductivity of selenium on the wavelength, and the electron bonding energy in long-lived traps. M. I. Korsunskii, F. A. Grechko, A. I. Khrol', Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no 2·11-18 '63

Nature of the anomalous photoconductivity of amorphous selenium. M. I. Korsunskii. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk no. 2:31-39 '63.

SELENIUM—THERMAL PROPERTIES

Thermal conductivity, density and microhardness of selenium as influenced by antimony admixtures D. Sh. Abdinov, G. B. Abdullaev, G. M. Aliev. Dokl. AN Azerb. SSR 20 no. 2:27-31 '64.

SELENIUM CRYSTALS—ELECTRIC PROPERTIES

Effect of a bismuth impurity on the electroconductivity of polycrystalline selenium in strong electric fields. A. R. Regel', B. G. Tagiev. Fiz. tver. tela 6 no. 4 1001-1005 Ap '64.

Electric properties of crystalline and liquid selenium after deoxidation. G. B. Abdullaev and others. Fiz. tver. tela 6 no. 4,1018-1022 Ap '64.

SELENIUM ORGANIC COMPOUNDS

Condensation of o-aminoselenophenol with unsaturated carboxylic acids. L. K. Mushkalo, D. I. Sheiko. Ukr. khim. zhur. 30 no. 4:381-387 '64.

SELENOCYANATES

Study of selenocyanate complexes of nickel in dimethylformamide. V. V. Skopenko, A. I. Brusilovets. Ukr. khim. zhur. 30 no. 1:24-28 '64.

SELENOPHENE

Chemistry of selenophene. Part 40: Reactions of 3-bromoselenophene. IU. K. IUr'ev, N. K. Sadovaia, E. A. Grekova. Zhur. ob. khim. 34 no. 3:847-851 Mr '64.

SELF-GOVERNMENT (IN EDUCATION)

Conducting a "self-government week." B. D. Popov Sred. spets obr. 11 no 4 42-44 Ap '64.

Organizing a student collective in a technical evening school I. A. Babikova, M Z. Gileva Sred spets obr 11 no 4 23-24 Ap '64

SELF-ORGANIZING SYSTEMS

Elements of a general theory of the control in the body [with summary in English] S. N. Braines, V. B. Svechinskii. Eksp. khir. i anest. 8 no 5,3-8 S-O '63

SELF-SERVICE STORES

Planning requirements for self-service stores. V. Luk'ianchenko. Sov torg. 36 no. 6,44-46 Je '63

SEMANTICS (PHILOSOPHY)

Reznikov, L. O. [Gnoseological problems of semiotics] Gnoseologicheskie voprosy semiotiki. [Leningrad] Izd-vo Leningr. univ., 1964. 302 p.

SEMIBALAMUT, DANILA MAKAROVICH

Man of great will. F. Selivanov. Voen. znan. 40 no. 4; 9-10 Ap '64.

SEMICONDUCTOR DIODES see Diodes, Semiconductor

SEMICONDUCTORS

Density of electronic states in amorphous semiconductors near the band edge. F. M. Gashimzade, A. I. Gubanov. Fiz. tver. tela 6 no. 4:1030-1033 Ap '64.

Dependence of steady-state impurity photoconductivity and current carrier lifetime from the Fermi level in a semiconductor. L. G. Paritskii. Fiz. tver. tela 6 no. 4:1096-1099 Ap '64.

Four-contact method for measuring the specific electroconductivity of thin semiconductor films. IU. P. Kozhevnikov. Izv. vys. ucheb. zav.; fiz. no. 2:173-175 '64.

Gol'tsman, B. M. [Growing of single semiconductor crystals] Vyrashchivanie poluprovodnikovykh monokristallov. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no. 5)

Light-induced redistribution of potential at the semiconductor - electrolyte boundary. R. M. Lazorenko-Manevich. Zhur. fiz. khim. 36 no. 9:2066-2072 S '62.

Nasledov, D. N. [Gr [illegible] AIII BV [illegible] soedinenii [illegible] 64. 21 p. [illegible] propagandy, [illegible]

Possibility of the appearance of negative temperatures in an impurity semiconductor. Part 2. A. A. Kolesnikov, Z. I. Uritskii. Izv. vys. ucheb. zav.; fiz. no. 2: 23-27 '64.

SHARKS

Materials on the biology and distribution of pelagic sharks Euprotomicrus bispinatus and Isistius brasiliensis (Squalidae, Pisces). N.V.Parin Trudy Inst.okean. 73:163-184 '64.

SHAUMIAN, VAGRAM AKTIUNOVICH, 1908-1964

In memory of V A Shaumian Gidr.i mel 16 no 5:63-64 My '64

SHCHELKO, IL'IA MIKHAILOVICH

Nikishin, A.N. [Life goes on] Zhizn' prodolzhaetsia. [Moskva] Mosk. rabochii, 1963. 77 p.

SHCHEPKIN, MIKHAIL SEMENOVICH, 1788-1863

Klinchin, A.P. Mikhail Semenovich Shchepkin. Moskva, Iskusstvo, 1964. 105 p. illus.

SHCHORS (CHERNIGOV PROVINCE)—RADIO CLUBS

In the hometown of Shchors A Shiganov Radio no 5 9-10 My '64

SHCHUGOR RIVER (URAL MOUNTAIN REGION)—ICE ON RIVERS, LAKES, ETC.

A transporting role of ice on the Shchugor River V.A. Chermnykh. Izv.Komi.fil.Geog.ob-va SSSR no.8 76-79 '63

SHCHUGOR VALLEY—SNOW

Snow cover in the Shchugor Basin. A.M.Viatkina. Izv. Komi.fil.Geog.ob-va SSSR no.8 49-55 '63.

SHEAR (MECHANICS)

Effect of microstresses producing Bauschinger's effect on the yield point and stability in pure shear. G.B. Talypov. Issl.po uprug i plast no.3 237-245 '64.

SHEEP

(see also subdivision under Estonia)

Effective method of the amputation of the tail of long-and-thin-tailed sheep M A Khanin Trudy AZVI 12 597-600 '61

SHEEP—ANATOMY

(see also subdivision under Azerbaijan)

Blood vessels of the udder of sheep L.V Domashneva Trudy AZVI 12 462-465 '61

Some adaptive characteristics of the postcranial skeleton structure in Ovis nivicola Esch. [with summary in English]. F.B.Cherniavskii. Zool.zhur. 43 no.2 242-252 '64.

SHEEP—DISEASES AND PESTS

(see also subdivision under Alma-Ata Province)

Effect of trace elements (cobalt and copper) on the metabolism in healthy and pneumonia-affected sheep E.F Demko Trudy AZVI 12 353-364 '61

Lumbar (paranephric) novocaine block of the sympathetic nerves in sheep Zh O Omarov, V M Panin Trudy AZVI 12 604-606 '61

Operative treatment of some forms of the mastitis in sheep. L V Domashneva Trudy AZVI 12 456-461 '61

SHEEP—FEEDING AND FEEDS

(see also subdivision under Polesye; Ukraine)

Bashkatov, V.P. [Silage as the basis of feeding] V osnovu kormlenila — silos. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 71 p.
(DNAL)

Role of the digestive apparatus in sulfur utilization by sheep fed inorganic sulfur. E.P.Pshenichnaia. Nauch. trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32:54-59 '62.

SHEEP—PARASITES see Parasites—Sheep

SHEEP—PHYSIOLOGY

(see also subdivision under Kazakhstan)

Level of some respiratory enzymes and vitamins in the blood of Kazakh fine-wool sheep T A Kenesarin Trudy AZVI 12 512-517 '61

SHEEP—WATERING see subdivision under Transbaikalia

SHEEP AS CARRIERS OF DISEASE

Experience in the prevention of brucellosis in Stavropol Territory. A.N.Likhonos Zhur.mikrobiol.,epid.i immun. 40 no.6:3-8 Je '63.

SHEEP BREEDING see subdivision under Kazakhstan

SHELL ROOFS see Roofs, Shell

SHEMONAIKHA DISTRICT—STATE FARMS—FINANCE

Turnover of assets in swine raising. V.I.P'iankov. Vest.sel'khoz.nauki [Kazakh.] 7 no.4:13-22 Ap '64.

SHEMONAIKHA DISTRICT—SWINE

Turnover of assets in swine raising. V.I.P'iankov. Vest.sel'khoz.nauki [Kazakh.] 7 no.4:13-22 Ap '64.

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

Abramavicius, VL. [Taras Shevchenko and Vilnius] Tarasas Sevcenka ir Vilnius. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 77 p. [In Lithuanian]

Anniversary meeting of the Academy of Sciences of the Ukrainian S.S.R., on the 150th anniversary of the birth of T.H.Shevchenko. Dop.AN URSR no.5:697 '64.

The bard Viktor Mil'ko Sem'ia i shkola 19 no 3 37-39 Mr '64

The beloved poet of Moldavian people. K. Popovich. Komm.Mold. 9 no.2:57-60 F '64.

How T.H.Shevchenko persistently tried to improve the language of his literary works V P Drozdovs'kyi. Pratsi Od.un.Zbir.stud i ob 146 no.4:45-48 '56

Shevchenko, T.H. [Shevchenko on art] Shevchenko ob iskusstve. Moskva, Iskusstvo, 1964. 241 p.

V.I.Lenin and T.G.Shevchenko. F P.Shevchenko. Ukr. ist.zhur. 8 no.2:3-18 Mr-Ap '64.

Vashchenko, V.S. [Taras Shevchenko's language] Mova Tarasa Shevchenka. Kharkiv, Vyd-vo Kharkivs'koho derzh univ, 1963. 251 p.

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—AUTOGRAPHS

Shevchenko, T.H. [Little book, autographs of his poetry, 1847-1850] Mala knyzhka; avtografy poezii 1847-1850 rr. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 431 p.

SHEVCHENKO IN LITERATURE AND ART

Nimenko, A.V. [Monuments to Taras Shevchenko] Pam'iatnyky Tarasovi Shevchenku. Kyiv, Derzh. vyd-vo "Mystetstvo," 1964. 51 p. illus.

SHIELDING (RADIATION)

Gorodinskii, S.M., and others. [Decontamination of means of individual shielding and protective coatings] Dezaktivizatsiia sredstv individual'noi zashchity i zashchitnykh pokrytii. Moskva, Atomizdat, 1964. 117 p.

SHIGELLA

Genetic recombinations in intestinal bacteria. Report No.6. A.A.Abidov. Uzb biol.zhur. 7 no.6:80-83 '63.

SHILOVTSEV, SERGEI PAVLOVICH, 1898-1963

In memory of Professor Sergei Pavlovich Shilovtsev, Honored Scientist of the R.S F.S.R. Khirurgiia 39 no 8:136-137 Ag '63.

SHIP MODELS

New things in sports classification of ship modelling. V.TSeloval'nikov. Voen.znan. 40 no 4 44 Ap '64.

SHIP PROPULSION

Increasing the motive power of ships of the type "Andizhan" ["Indigent"]. " Kozlov. Mor.flot 24 no.3:26-27 Mr '64.

Justifying the propulsive speed and the structural elements of a proposed vessel L.M.Nogid. Sudostroenie 30 no.5:18-20 My '64.

SHIP PROPULSION, ELECTRIC

Method of changing the electromagnetic constant of time for passive circuits. V.I.Polonskii, F.N. Starkov. Sudostroenie 30 no.5:37-38 My '64.

SHIPBUILDING

(see also subdivision under Nikolayev Province)

Current problems in river craft building. A.I.Morlakov. Sudostroenie 30 no.5:70 My '64.

Review of suggestions by efficiency promoters in plants. Sudostroenie 30 no.5:56-57 My '64.

SHIPBUILDING—ACCOUNTING see subdivision under Cherepovets (Vologda Province)

SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding

SHIPBUILDING—CONGRESSES

Conference on problems of the present state and prospects for the introduction of synthetic materials in shipbuilding. Sudostroenie 30 no.5:68 My '64.

SHIPBUILDING MATERIALS

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Stress-rupture strength and creep of glass-reinforced plastics for use as shipbuilding material] Dlitel'naia prochnost' i polzuchest' stekloplastikov kak sudostroitel'nykh materialov. Leningrad, Izd-vo "Morskoi transport," 1963. 92 p. (Its Trudy, no.53)

SHIPMENT OF GOODS

Specialized warehouses and berths abroad. L.P.Protasov Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst. nauch.i tekh.inform. 17 no.5:82-84 My '64.

SHIPS—AIR CONDITIONING

Device for the determination of the amount of air supplied through air distributors. S.S.Zolotov. Sudostroenie 30 no.5:24-25 My '64.

SHIPS—EQUIPMENT AND SUPPLIES

About the manual "Synthetic materials in shipbuilding and ship repairs." A.Breev. Mor.flot 24 no.3:45-46 Mr '64.

Manufacture of plastic ship furniture by the method of compressed air molding. V.A.Blagov, V.A.Tkachenko, V.S.Kudrets. Sudostroenie 30 no.5:44-46 My '64.

SHIPS—HEATING AND VENTILATION

Nomograms for determining the coefficient of heat release during the laminary flow of water in ducts. N.D.Krishtal'. Sudostroenie 30 no.5:32-33 My '64.

SHIPS—HYDRODYNAMICS

Positional hydromechanical characteristics of cargo ships for inland navigation. V.I Kogan, M.Kh Tilevich. Trudy LIVT no.45:73-79 '63.

SHIPS—LAUNCHING

From practices of the side launching of ships. A.A. Gundobin, G.M.Olenichev. Sudostroenie 30 no.5:42-44 My '64.

SHIPS—MAINTENANCE AND REPAIR

(see also subdivision under Novorossiysk, Krasnodar Territory)

For a widespread introduction of defectoscopy into practices of the operation and repair of ships. V.L'vovskii. Mor.flot 24 no.3:33-34 Mr '64.

Kuz'min, F.M. [Use of synthetic materials in ship repairs] Opyt primeneniia sinteticheskikh materialov v sudoremonte. Moskva, Izd-vo "Transport," 1964. 74 p.

Universal scaffold for the repair and fitting-out of ships in floating docks. IU.N.Pavliuchenko. Sudostroenie 30 no.5:52-53 My '64.

SHIRVAN STEPPE see Kura Lowland

SHKAPOVO OIL FIELD—OIL RESERVOIR ENGINEERING

Results of investigating wells of the Shkapovo oil field at pressures below the saturation pressure IU.I Shaevskii, V F Usenko, V.I Portnov. Neftepron.delo no 4:3-7 '64

SHMAL'GAUZEN, IVAN IVANOVICH, 1884-1963

Ivan Ivanovich Shmal'gauzen, 1884-1963, an obituary. A.A.Makhotin. Zool.zhur. 43 no.2:297-302 '64.

SHMIDT PENINSULA—BOTANY

Interesting floristic finds in the northern extremity of Sakhalin. M.G.Pimenov. Bot.zhur. 49 no.2:253-258 F '64.

SHOCK

Stages of the development of a traumatic shock D.G. Tagdisi. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:75-80 '64.

SHOCK (MECHANICS)

Problem of the interaction of bodies moving at great speeds. A.IA.Sagomonian. Dokl.AN SSSR 156 no.5 1053-1056 Je '64.

SHOCK THERAPY

Diagnosis and treatment of lesions of an intervertebral disk M.D.Gal'perin, E.A.Terpugov Trudy Gos nauch -issl psikhonevr.inst. 31:331-354 '63.

SHOCK WAVES

Measuring gas velocity behind a shock wave. G.D. Salamandra, I.K.Fedoseeva, N.M.Bykova. Inzh.-fiz.zhur. 7 no.5:96-99 My '64.

Relaxation interaction of shock waves with a flame front. V.I.Skobelkin. Zhur.fiz.khim. 36 no.9:1979-1986 S '62.

Relaxation of the vibrational energy of air molecules behind the front of a direct shock wave. N.A.Generalov, S.A.Losev, A.I.Osipov. Dokl.AN SSSR 156 no.5:1057-1060 Je '64.

Spectral characteristics of the foreshocks and aftershocks of the catastrophic earthquake of November 6, 1958 M.A.Gostev, S.A.Fedotov Izv.AN SSSR.Ser.geofiz no.5 676-687 My '64.

Structure of shock waves in a plasma. B.A.Tverskoi. Zhur.eksp.i teor.fiz. 46 no.5:1653-1663 My '64.

SHOE INDUSTRY see subdivision under Kiev

SHOE INDUSTRY—ACCOUNTING

Simplify accounting in the wholesale trade. V.Golubov. Bukhg.uchet 21 no.2:42-44 F '64.

SHOE MANUFACTURE—LABOR PRODUCTIVITY see subdivision under Leningrad

SHOOTING

(see also subdivision under Tallinn)

Decisive condition. A.Gushchin. Voen.znan. 40 no.4:37-38 Ap '64.

Polikanin, E.L., and G.A.Chernov. [Modern winter dual contests; a manual for trainers] Sovremennoe zimnee dvoebor'e; uchebnoe posobie dlia trenerov. Moskva, Fizkul'tura i sport, 1964. 142 p.

SHOOTING, MILITARY

Fire on all exercises. S.Mutsynov. Voen.vest. 44 no.6:112-115 Je '64.

Methodological practices in fire training. Z.Sabitov, P.Smetaniuk. Voen.vest. 43 no.5:64-66 My '64.

Our experience in tank marksmanship training; comments on the article published in no.1. P.Kashirikhin, N.Kuznetsov. Voen.vest. 43 no.5:113-114 My '64.

Single-shot fire from an armored carrier. S.Prokhorov. Voen.vest. 44 no.6:108-112 Je '64.

SHORTHORN CATTLE

Biological characteristics of Shorthorn cattle. M.M. Dagaev. Vest.sel'khoz.nauki 9 no.2:59-64 F '64.

SILICIC ACID

Investigating the conditions for obtaining sols of active silicic acid by chlorination of sodium silicate solutions. I.A.Kul'skii, V.A.Slipchenko, V.F.Nakorchevskaia. Ukr.khim.zhur. 30 no 1 103-111 '64.

New method of dehydration of silicic acid in the analysis of silicates. A.A.Zan'ko, O.K.Serdiukova. Dokl LPI 5 no.1/2 163-168 '63.

SILICON

Crystal structure of the β-phase of the system Nb-Co and the solubility of silicon in it. IU.B.Kuz'ma and others. Dop.AN URSR no.5 600-603 '64

Effect of the concentration of impurity atoms on the electron paramagnetic resonance spectrum of donors in silicon B.G.Zhurkin, N.A.Penin. Fiz.tver.tela 6 no 4 1141-1144 Ap '64.

SILICON—ANALYSIS

Methods for determining silicon in organosilicon compounds and their comparative evaluation Determining silicon in alkyl- and aryl-substituted monomer and polymer organosilicon compounds A P Kreshkov, L V.Myshliaeva, V.V Krasnoshchekov Plast massy no 1 65-67 '64

SILICON—OPTICAL PROPERTIES

Use of the reflection coefficient in the determination of optical constants and free current carrier concentration in heavily alloyed semiconducting materials. V.K Subashiev, G.B.Dubrovskii, A.A Kukharskii. Fiz. tver.tela 6 no 4 1076-1081 Ap '64

SILICON—SPECTRA

Fluorescent spectra of silicon in certain compounds. V.F.Demekhin, M.A.Blokhin. Izv.AN SSSR.Ser. fiz. 28 no.5 825-829 My '64.

SILICON, EFFECT OF RADIATION ON

Capture of minority carriers in n-silicon irradiated by fast electrons. V.D.Tkachev, A.N.Sevchenko, P F Lugakov Dokl.AN BSSR 8 no 4 223-225 Ap '64

SILICON CARBIDE, EFFECT OF RADIATION ON

Fluorescence of silicon carbide G V Leushkina and others Izv AN Uz SSR Ser fiz -mat.nauk 7 no 6. 98-99 '63

SILICON CRYSTALS

Electron diffraction study of the perfection of the structure of a silicon surface layer. V.D Nemtsov Kristalografiia 9 no.3;416 My-Je '64

Phosphorus diffusion in high-purity polycrystalline silicon. S.V.Starodubtsev, A S.Liutovich, V.P.Prutkin. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk 8 no.1,77-81 '64.

SILICON DIODES

Autonomous voltage inverters using controlled silicon valves. V.E.Skorovarov. Elektrichestvo no.5;51-55 My '64.

SILICON-IRON ALLOYS see Iron-silicon alloys

SILICON-LITHIUM ALLOYS see Lithium-silicon alloys

SILICON ORGANIC COMPOUNDS

Complex compounds of silicon. N.M.Alpatova, IU.M. Kessler. Zhur.strukt.khim. 5 no.2;332-353 Mr-Ap '64.

Effect of the organosilicon fluid GKZh-94 on the process of grinding Portland cement in ball mills. O.O. Alent'iev, O.O.Pashchenko, N.M.Koleinyk. Dop.AN URSR no.5;621-623 '64.

Investigating the antifoaming properties of polyorganosiloxane compounds used for drilling fluids. A.I. Berezhnoi, V.A.Sviridov, P.G.Kulagin. Izv.vys. ucheb.zav., neft' i gaz 7 no.3·25-30 '64.

Methods for determining silicon in organosilicon compounds and their comparative evaluation. Determining silicon in alkyl- and aryl-substituted monomer and polymer organosilicon compounds A P.Kreshkov, L V.Myshliaeva, V.V.Krasnoshchekov. Plast.massy no.1;65-67 '64.

Synthesis of dimethylpropyl and dimethylphenylsilyl ethers of polyvinyl alcohol. K.V.Belogorodskaia, S.N.Ushakov Vysokom.soed. 6 no.4;630-634 Ap

Mutual reinforcement of the lubricating action of [illegible] siloxanes and hydrocarbons G V Vinogradov, N S Nametkin, M I Nosov Neftekhimiia 4 no 1 170-175 Ja-F '64

SILT see subdivision under Uzboy Valley

SILVER-CADMIUM ALLOYS

Temperature and concentration dependence of the relaxation effect in homogeneous substitutional solid solutions of Ag - Cd. K.M.Shtrakhman, IU.V Piguzov. Fiz. tver.tela 6 no 4 1152-1157 Ap '64.

SILVER COMPOUNDS

Electron diffraction examination of the compound $AgBiTe_2$. Z.G.Pinsker, R.M.Imamov. Kristalografiia 9 no.3;346-351 My-Je '64

SILVER-ZINC ALLOYS see Zinc-silver alloys

SIMAZINE

Method of the subsurface placement of herbicides in soil. M IA.Berezovskii. Dokl TSKHA no 84·307-315 '63.

SIMAZINE—TESTING

Aftereffects of simazine. L.I.Korolev, IA.IU Starosel'skii Khim.v sel'.khoz. 2 no.1;45-47 Ja '64.

SIMBIRSK GOVERNMENT—REVOLUTION, 1917-1921

Gnutov, M.A., and G.N.Fedorov. [The battle year of 1918. .; the 45th anniversary of the liberation of Lenin's homeland from the White Guard] Boevoi vosemnadtsatyi god..., k 45-letiiu osvobozhdeniia Rodiny V.I.Lenina ot belogvardeitsev. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 114 p.

SIMILITUDE, THEORY OF

Theory of similitude in pulse multiturn coils. A.G. Limar', IU.A.Litvinenko. Zhur.tekh.fiz. 34 no.2; 344-347 F '64.

SIMULATION METHODS

Dismountable model of a television transmitting tube IU V Chentsov Prib i tekh eksp 8 no.6 122-124

Nonlinear converter for mathematical simulation of the operation of digital automatic systems V P Strakhov Priborostroenie no 5 13-14 My '64

Simulation methods in the investigation of the viscosity and heat conductivity of gases and gas mixtures. N.U. Bakirov, A.G.Usmanov. Izv.vys.ucheb.zav., neft' i gaz 7 no.3 79-80 '64

Simulation of the creep of T-tails of turbine blades. I.I. Bugakov, V P.Smirnova, S.P.Shikhobalov. Issl.po uprug.i plast. no.3 192-207 '64.

Use of electric models in solving nonlinear equations. T.Marusshvili, L.Gamkhitashvili, M.Beradze. Trudy Vych.tsentr.AN Gruz.SSR 4;175-182 '64.

SINGAPORE—STRIKES AND LOCKOUTS

The Singapore workers are on strike. IU.Shtykanov. Sov.profsoiuzy 20 no.9;40-41 My '64.

SINGING GAMES

Games with songs. L.Mikhailova. Doshk.vosp. 37 no.5;52-53 My '64.

SINTERING

Accelerating the sintering process by increasing the amount of air being drawn in. N.N.Berezhnoi. Obog. rud. 8 no.4;32-34 '63.

Sources of excess vacancies forming in the sintering of powdered metals. A.P.Savitskii and others. Izv.vys. ucheb.zav.; fiz. no.2;110-115 '64.

SIVASH LAKE REGION—BIRDS—FOOD

Feeding habits of pewit in the Sivash Lake region. G.I. Ishunin Ornitologiia no.6.471-472 '63

SIVASH LAKE REGION—LESSER BLACK-HEADED GULL

Feeding habits of pewit in the Sivash Lake region. G.I. Ishunin. Ornitologiia no 6 471-472 '63.

SIZING (TEXTILE)

Experience in the application of ultrasonic waves in sizing. A M.Aplavin. Tekst.prom. 24 no.4;63-64 Ap '64.

SKALA-PODOL'SKAYA (TERNOPOL' PROVINCE)—PHARMACY—EQUIPMENT AND SUPPLIES

Use of liquid fuel in the distillation of water and sterilization of drugs. A.F.Boiko. Farmatsev.zhur. 14 no.4;82-83 '59.

SKATKIN, LEV NIKOLAEVICH, 1893-

Lev Nikolaevich Skatkin. S.P.Alekseakhin. Nach.shkola 32 no.5;33-34 My '64.

SKELETON

Some adaptive characteristics of the postcranial skeleton structure of Ovis nivicola Esch. [with summary in English]. F.B.Cherniavskii. Zool.zhur. 43 no.2;242-252 '64.

SKIN

Effect of immunization with typhoidmonovaccine on the bactericidal properties of rabbit skin. F.S.Malyshev. Zhur.mikrobiol., epid.i immun. 40 no.10;80-84 O '63.

Diagnosis and treatment of malignant tumors of the skin; present status of the problem and means of its investigation. A.P.Shanin. Vop onk. 8 no.9;46-52 '62.

Skin cancer following removal of a foreign body under roentgenological control. V.I.Ivanov Vop onk. 8 no 11,102-105 '62

SKIN—DISEASES

(see also subdivision under Cambodia; Perm Province)

Bactericidal properties of the skin in pyodermatitis. F S.Malyshev Vest derm i ven. 37 no.6·22-25 Je '63

Dermatologic casuistics. Vest.derm.i ven 37 no 6;76-77 Je '63.

Determination of some microelements in radiation dermatitis. A.IA Prakapchuk and others. Vestsi AN BSSR Ser.biial.nav. no.1;92-96 '64.

Importance of liver and gastric function in the development of skin lesions caused by epoxy resins and nickel salts [with summary in English]. L.P. TSyrkunov. Vest.derm.i ven. 37 no.6;27-30 Je '63.

Impulse solar light from Bukhman's reflector in the treatment of some dermatoses U B Berdybaev, K D Gorina Vest derm i ven 37 no 9;43-46 S '63

Late results of radioactive phosphorus therapy of eczema and neurodermatitis [with summary in English] R.G Gadzhiev Vest derm i ven 37 no 9;39-43 S '63

Prevention of epidermophytosis in miners. N I Cheretianko. Vest.derm.i ven. 37 no.6;60-61 Je '63

Protective pastes and the role of the barrier function of the skin in evaluation of their effectiveness T.S. Bruevich Vest.derm.i ven. 37 no 6;30-35 Je '63.

Results of the treatment of pyodermitis with the determination of the pyococcal sensitivity to antibiotics S.M.Kriger, A.I.Poliakov. Vest.derm.i ven 37 no.6;64-65 Je '63.

Skin changes in radiation exposure regions at late dates after radio- and gammatherapy of malignant tumors [with summary in English]. V A.Rakhmanov and others. Med.rad. 8 no.10;43-47 O '63.

Subcorneal pustular dermatitis of Sneddon and Wilkinson in a 16-year-old boy. M I Bril'. Vest derm.i ven 37 no.9,76-78 S '63

Technique of determining griseofulvin in the skin and hair [with summary in English] Z G.Stepanishcheva, V E Ziserman Vest derm i ven 37 no 9·26-28 S '63

Treatment of neurodermatitis circumscripta with radioactive bandages containing an active coating of daughter products of thorium (alphatherapy) [with summary in English] A F Tret'iakov, E S.Shchepot'eva Vest derm.i ven 37 no 9 34-38 S '63.

Treatment of superficial fungal diseases of the skin with trinitrotoluene preparations [with summary in English]. V.D.Makeev. Vest.derm.i ven 37 no.6;36-38 Je '63.

Use of diazoline in pruritic dermatoses. I.K.Skripkin. Vest.derm.i ven. 37 no.9;65-66 S '63.

SKIN—MICROBIOLOGY

Bactericidal properties of the skin in pyodermatitis [with summary in English]. F.S.Malyshev. Vest.derm i ven. 37 no.6;22-25 Je '63.

SKIN—TUBERCULOSIS

Brief news. Vest.derm.i ven. 37 no.6;94-95 Je '63.

Dynamics of the coefficient of incomplete oxidation of urine in cutaneous tuberculosis during tubazid therapy [with summary in English] I.B Veinerov, R P Vel'tman Vest derm i ven 37 no.9 16-20 S '63.

SKIN—TUMORS

Arteriovenous anastomoses of the skin (glomera) and the tumors resulting from them (glomangiomas). A.V. Ryvkind. Vop.onk. 8 no.9;52-61 '62.

Changes in the bones in multiple idiopathic hemorrhagic Kaposi's sarcoma. Z.I.Mitikhina. Vest.rent.i rad. 38 no.6;58-60 N-D '63.

Results of contact radiotherapy of epidermal hemangiomas in children; 3-year observations [with summary in English]. T.M.Svistunova. Med.rad. 8 no.10·37-42 O '63.

SKIN EFFECT

Electric explosion of a skin layer. V.P.Gordienko, G.A. Shneerson. Zhur.tekh.fiz. 34 no.2;376-378 F '64.

SKIN GRAFTING

Effect of ultrasonic waves on the ability of the skin to transform into the cornea. V.V.Popov, T.A.Pavlova. Vest.Mosk.un.Ser.6; Biol.,pochv. 17 no.6;10-19 N-D '62

Indications for skin autoplasty and characteristics of the course of trophic ulcers containing Bacillus pyocyaneus and Proteus vulgaris. V.K.Apakidze. Khirurgiia 38 no 12·66-68 D '62.

Skin grafting following the excision of a deep burn wound at the site of an acute radiation injury under experimental conditions. S.Z.Zaliailutdinova. Eksp.khir.i anest. 8 no.5;45-47 S-O '63.

[illegible]

SLAVE PURCHASE see Purchase, Slave

[illegible]

SOCIAL INSURANCE see Insurance, Social

[illegible]

SOCIAL PROBLEMS see subdivision under Baltiysk District; Kuybyshev

SOCIAL SCIENCE RESEARCH—MATHEMATICAL MODELS

Mathematical modeling in sociological research. P P Maslov. Vop filos 18 no 3 65-75 '64

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—EXPERIMENTS

The role and significance of experiment in social sciences R V Ryvkina Vop filos 18 no 5 54-64 '64

SOCIAL SCIENCES—STUDY AND TEACHING

Extracurricular work on social sciences Kh Salakhova Prof -tekh obr 21 no 5 7-8 My '64

Social science classes and museums M S Koloditskii Sred spets obr 11 no 4 31-34 Ap '64

Social sciences in evening technical schools N I Kasatkin V A Il'inskh Sred spets obr 11 no 4 34-39 Ap '64

SOCIALISM
(see also subdivision under Germany; Great Britain)

In the Academic Council on the Comprehensive Problem "Laws of the development of socialism and of the transition to communism." Vop ist 39 no 6 123-126 Je '64

SOCIALISM—PERIODICALS see subdivision under Poland

SOCIALIST COMPETITION
(see also subdivision under Bulgaria, Poland, White Russia)

Achievements of the communist labor movement Den. i kred. 22 no.5 36-40 My '64

Are individual pledges necessary? IU Vasil'ev Sov profsoiuzy 20 no 11 8-9 Je '64

Communist labor movement at the Leningrad Metalworking Plant of the 22d Congress of the CPSU E. L Mil'shtein, T D. Nazarova Uch zap kaf obshchestv. nauk vuz g Len , Ist.KPSS no 5 201-209 '64.

Competition for communist labor in the enterprises of the bakery and confectionery industry. A. S. Levina. Khleb. i kond. prom. 7 no. 12 29-30 D '63.

Daily accounting for the results of competition V Drozhchanyi Sov profsoiuzy 20 no 11 25-26 Je '64

Develop the communist labor movement in every way possible Fin SSSR 38 no 5 3-6 My '64

Heroic effort of the working class of the U. S. S. R in the great decade from 1953 to 1963 S. R. Gershberg. Vop. ist. 39 no 6:27-42 Je '64

In the Collegium of the Ministry of Finance and the Presidium of the Central Committee of the Trade Union of Government Employees Fin SSSR 38 no 5 90-91 M. '64

Kudlai, O. S. [From communist "Saturdays" to brigades of communist labor] Vid komunistychnykh subotnykiv do brygad komunistychnoi pratsi. Kyiv, Radians'ka shkola, 1962. 145 p.
(MIU)

New detachment of outstanding workers I.I.Maksimenko. Put' i put. khoz. 8 no. 5 3-4 My '64.

The principle of mutual help in the communist labor movement V. K. Korol'kov Uch zap kaf obshchestv nauk vuz g Len., Ist. KPSS no 5 209-218 '64

Progressive practice and local yardstick. M. Naumenko, IA. Karpov. Sov. profsoiuzy 20 no.12:6-7 Je '64.

Raise higher the banner of communist labor competition. Put' i put. khoz 8 no 5 1-3 My '64.

Socialist competition in the "K. Marks" Confectionery Factory in Kiev. L G Lozenko. Khleb. i kond. prom. 7 no. 12:31-32 D '63.

Soveshchanie rabotnikov sel'skogo khoziaistva Uzbekistana, Tashkent, 1963. [Socialist pledges of the agricultural workers of Uzbekistan for 1963, the fifth year of the seven-year plan] Sotsialisticheskie obiazatel'stva truzhenikov sel'skogo khoziaistva Uzbekskoi SSR na 1963 god - platyi god semiletki. Tashkent, Gos Izd-vo UzSSR, 1963. 43 p.

Successors to a great initiative; 45th anniversary of the first mass communist voluntary labor A Blinov Agitator no 9:15-16 My '64

Work conscientiously A. Aleksandrova Fin SSSR 38 no 5:71-73 My '64

SOCIALIST INTERNATIONAL

History of the restoration of the Socialist International. N. G. Sibilev Nov. i noveish. ist. no. 2:108-120 '64.

SOCIALIST PROPERTY

Application of Art 95 of Fundamental Civil Law V Verdnikov, A Kabalkin Sots. zakon 41 no 3 86-88 Mr '64.

Program of the CPSU on the development and rapprochement of the two forms of socialist property V. E. Grigorovskii, N. A. Medvedev. Uch zap. kaf. obshchestv. nauk vuz g. Len , Ist. KPSS no. 5 23-47 '64.

Tikhonov, I. A. [Foundations of the foundations of socialism] Osnova osnov sotsializma. Moskva, Izd-vo "Znanie," 1964. 36 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 9)

SOCIALIST REALISM

Akademiia nauk SSSR Institut mirovoi literatury. [Artistic method and the creative individuality of an author] Khudozhestvennyi metod i tvorcheskaia individualnost' pisatelia. Moskva, Izd-vo "Nauka," 1964 242 p

SOCIETY AND COMMUNISM see Communism and society

SOCIOLOGICAL JURISPRUDENCE

I. S Samoshchenko's "The concept of legal offense under Soviet law." B. A. Kurinov Sov. gos. i pravo 34 no. 6 137-139 Je '64.

Legal norms as regulators of social relations. A. S. Pigolkin. Uch. zap VIIUN no 17:3-28 '63.

Problems of the theory of legal relations. M. S. Strogovich. Sov. gos. i pravo 34 no. 6:51-61 Je '64.

SOCIOLOGY

Against the bourgeois, reformist, and revisionist distortions of the most important sociological concepts. V. A. Chernlak. Uch. zap. Kazakh. un. 10:30-41 '59.

SODA INDUSTRY—BY-PRODUCTS

Possibility of obtaining various chlorine-containing products in the manufacture of soda. R. H. Pushkar. Khim prom. [Ukr] no 4:53-55 O-D '63.

SODA INDUSTRY—EQUIPMENT AND SUPPLIES

Control of carbonization and settling columns in the soda industry. V. E. Horiushko and others. Khim. prom. [Ukr.] no. 4:42-45 O-D '63.

Static optimization of the carbonization column with the use of the universal calculating machine. V. I. Hrubov. Khim. prom. [Ukr.] no 4:38-41 O-D '63.

SODIUM

Decomposition of model compounds of lignin by metallic sodium solution in liquid ammonia. A. F. Semechkina, N. N. Shorygina. Izv. AN SSSR Ser. khim. no. 5:884-890 My '64.

SODIUM CARBONATES

Discharge of a carbonate ion on a platinum anode. G. G. Arkhipov, A. M. Trunov, G. K. Stepanov. Trudy Inst. elektrokhim. UFAN SSSR no 4:41-45 '63.

Solubility of sodium carbonate in water at elevated temperatures and pressures. M. I. Ravich, F. E. Borovaia. Dokl. AN SSSR 156 no. 4:894-896 Je '64.

SODIUM CYANIDE

Effect of pH on the composition of buffer mixtures in photometric determination of cyanides by the Zincke-König reaction. H. I. Danylenko, V. H. Zubenko. Farmatsev. zhur. 15 no 5:17-22 '60.

SODIUM FLUORIDE

Determining the drop contact angles and coefficients of the drop spreading of the aqueous solutions of fluosilicic acids and sodium fluorides. A. A. Lunan and others. Nauch. zap. Od. politekh. inst. 40:77-82 '62.

SODIUM IN THE BODY

Content of sodium and potassium in the blood serum and their excretion in the urine in hypertensive states F M Paleeva Kardiologiia 3 no 6 21-27 N-D '63

SODIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of a single introduction of radioactive sodium-24 into the body on the higher nervous activity in dogs. B. I. Shal'nev. Zhur. vys. nerv. deiat. 14 no. 1:61-67 Ja-F '64.

SODIUM SALTS

Determining the equilibrium constants in the process of complex formation of aminobenzoic and aminooxobenzoic acids and their sodium salts with dinitrobenzenes. N. V. Syrneva, R. M. Fofonova. Izv. vys. ucheb. zav.; fiz. no. 2:46-48 '64.

SODIUM SILICATES

Investigating the conditions for obtaining sols of active silicic acid by chlorination of sodium silicate solutions. L. A. Kul'skii, V. A. Slipchenko, V. F. Nakorchevskaia. Ukr. khim. zhur. 30 no. 1:108-111 '64

SODIUM SULFATES

Fast complexometric method for quantitative determination of sodium sulfate. P P. Suprun. Farmatsev zhur. 16 no. 4:29-30 '61.

SOFT DRINKS

Rudol'f, V. V. [Production and use of citrus extracts for the soft drinks industry] Proizvodstvo i ispol'zovanie tsitrusovykh nastoev dlia bezalkogol'noi promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 116 p.

SOIL, PODZOLIC see Podzol

SOIL ACIDITY

Placement of lime and molybdenum for legumes in acid soils. A. V Peterburgskii, Szabo Bela Dokl TSKHA no 84:226-232 '63.

SOIL AERATION

Air balance and the fertility of turf-Podzolic soils. I. P. Grechin. Dokl. TSKHA no 84:5-17 '63.

Effect of various aeration porosity on the nature of the oxidation-reduction state in turf-Podzolic soils M V Kurlykova Dokl. TSKHA no 84:98-101 '63.

SOIL BINDING see subdivision under Karakum

SOIL CHEMISTRY
(see also subdivision under Caucasus, Northern)

Biological cycle of nitrogen and ash elements in the plant communities of tropical and subtropical zones. N. I. Bazilevich, L. E. Rodin. Bot. zhur. no. 2:195-209 F '64.

Radiochemical determination of antimony-125 in solids. S. V. Iokhel'son, D. K. Popov. Radiokhimiia 6 no. 1:117-119 '64.

SOIL CONSERVATION see subdivision under Buryat A.S.S.R.; Kulunda Steppe

SOIL CONSERVATION—RESEARCH see subdivision under Novosil' (Orel Province)

SOIL FAUNA see subdivision under Leningrad Province

SOIL FERTILITY
(see also subdivision under Odessa region; Sasovo District; Turkmenistan)

Air balance and the fertility of turf-Podzolic soils. I. P. Grechin. Dokl. TSKHA no 84:5-17 '63.

Change in the group composition of the < 0.01 mm soil particles under the effect of plants and fertilizers A. A. Shaimukhametova. Dokl. TSKHA no. 84:113-120 '63.

Soil fertility in the light of modern concepts F. IU. Gel'tser Agrobiologiia no. 2:286-294 Mr-Ap '64.

SOIL MECHANICS

Compression properties of gravelly soils and problems of the deformability of rock fill under great stresses IA. Zhurek. Trudy Lab gidr. sooruzh. VODGEO no. 1:41-51 '63.

Determining pore pressure in slightly permeable soils in the body of a dam during the process of their consolidation. A. A. Nichiporovich, I. I. TSybul'nik. Trudy Lab. gidr. sooruzh. VODGEO no. 4 5-37 '63.

Possibilities of using sound measuring to determine slope areas presenting a danger of landslides. A. A. Kovshulia and others. Nauch. zap. Ukrniiproekta no. 10. 48-57 '63.

SOIL MICRO-ORGANISMS
(see also subdivision under Azerbaijan; Dnieper Valley; Uzbekistan)

Accelerated method of diagnosis. G. S. Khoeva, N. S. Mirpulatova. Zashch. rast. ot vred. i bol. 9 no. 5: 49-50 '64.

Bacteria of the autochthonous soil microflora decomposing humus substances [with summary in English]. E. Z. Tepper. Mikrobiologiia 32 no. 4:656-662 Jl-Ag '63.

Effect of simazine and atrazine on the development of soil micro-organisms. E. I. Kozlova, A A. Belousova, V. S. Vandar'eva Agrobiologiia no. 2:271-277 Mr-Ap '64.

Effect of some herbicides on the soil microflora. A. A. Rakhimov, V. K. Rybina. Uzb. biol. zhur. 7 no. 6: 74-76 '63.

Natural forms of the existence of soil bacteria [with summary in English]. T. V. Aristovskaia. Mikrobiologiia 32 no. 4:663-667 Jl-Ag '63.

Proactinomycetes from autochtonous soil microflora decomposing humus substances. E Z Tepper, U. Rattske. Dokl. TSKHA no. 84:261-267 '63.

Use of quenchers for the study of soil micro-organisms with the help of fluorescence microscopy [with summary in English]. D. G. Zviagintsev. Mikrobiologiia 32 no. 4:732-736 Jl-Ag '63.

Use of various carbon sources by some oligonitrophic micobacteria. N. P. L'vov. Dokl TSKHA no. 84:287-292 '63.

SOIL MOISTURE
(see also subdivision under Kelifskiy Uzboy region; Kustanay Province)

Agrometeorological forecasting. M. S. Kulik. Zemledelie 26 no. 2 5-12 F '64.

Increasing the water absorbing capacity of soil in fall during snow melting P A. Larin Vest sel'khoz. nauki 9 no. 4:34-38 Ap '64.

Studying the specific electric resistance of soils as related to the moisture and temperature. S. I. Dolgov, A. I. IAkobs, L. P. Terent'eva. Vest. sel'khoz. nauki 9 no. 2:129-136 F '64.

SOIL OXIDATION see subdivision under Caucasus

SOIL PARTICLES

Kinetics of extraction from a bed of a polydispersed mixture. G. A. Aksel'rud, E. M. Semenishin. Dokl. LPI 5 no. 1/2:148-155 '63.

SOIL PERCOLATION—ELECTROMECHANICAL ANALOGIES

Study of planned unconfined percolation in the case of evaporation and transpiration from the surface of ground water in regions under irrigation. A. A. Adylov. Izv. AN Uz. SSR. Ser. tekh. nauk 8 no. 2:59-67 '64.

SORBITOL

Significance of determining the activity of sorbitol dehydrogenase in infectious hepatitis. Z.P.Gette. Lab delo no.2;70-74 '64.

Sorbite oxidation during intensive and delayed reproduction of Acetobacter suboxydans [with summary in English]. S M. Zhdan-Pushkina, R.A Kreneva Mikrobiologiia 32 no.4 711-716 Jl-Ag '63

SORBOSE

Sorbite oxidation during intensive and delayed reproduction of Acetobacter suboxydans [with summary in English]. S M. Zhdan-Pushkina, R.A Kreneva Mikrobiologiia 32 no.4 711-716 Jl-Ag '63.

SORGHUM see subdivision under Khasavyurt region (Daghestan)

SORPTION

Determination of the diffusion mechanism controlling the rate of sorption (ion exchange). B.S.Golubev, G.M. Panchenkov. Zhur fiz khim 38 no 4:1010-1013 Ap '64

Kinetics of the ion exchange sorption of zirconium and hafnium by the KU-2 cation exchanger. I V.Vinarov, A.N.Grinberg. Ukr.khim zhur. 30 no 4 359-365 '64.

Mechanism of the ion exchange sorption of anions of salts and acids on weakly basic anion exchangers. A T. Davydov, G.M.Lisovina. Zhur fiz khim. 36 no.9; 1993-1998 S '62.

Sorption of antitoxic antigangrene serum by human erythrocytes. N.F.Sinadskii. Zhur.mikrobiol., epid. i immun. 40 no.5 121-123 My '63.

Theory of ion exchange dynamics. Part 7. V.V.Rachinskii, S.M.Rustamov. Zhur.fiz.khim. 38 no 4: 885-890 Ap '64.

SORTING DEVICES

Sorting of moist products by color with the use of an electronic machine. Kons.i ov.prom. 19 no.4·34-35 Ap '64.

SOUND

Comparative genetic studies on the mobility of the nervous system in rats with a high degree of sensitivity to sound stimuli and in Wistar rats. M.S.Alekseeva, V.I.Elkin, V.K.Fedorov. Zhur.vys.nerv.deiat. 14 no.1 110-115 Ja-F '64

SOUND—APPARATUS

Atomization of liquids in an ultrasonic fountain E.L. Gershenzon, O.K Eknadiosiants. Akust zhur. 10 no.2 156-162 '64.

Highly sensitive infrasonic microphone with a moving coil IA.Sh.Vakhitov. Akust.zhur 10 no.2 242-244 '64.

Mechanism of sound generation in gas-jet acoustic radiators. V P.Kurkin. Akust.zhur. 10 no 2 191-194 '64.

Methodology of comparing acoustic receivers and determining their directional diagrams in a standing wave field. A.E.Reznikov. Trudy inst.Kom.stand., mer i izm.prib. no.73·46-58 '63.

A specific requirement for piezoelectric infrasonic receivers for water. A.N.Golenkov. Trudy inst. Kom.stand.,mer i izm.prib. no.73 20-23 '63.

Systematic error incurred in comparing acoustic receivers related to reflected waves. V.L.Vlasov. Trudy inst.Kom.stand., mer i izm.prib. no.73,59-71 '63.

Use of indicator of small shifts ranging from the subsonic level to 300 cps. A.N.Golenkov, S.G.Golub'. Trudy inst.Kom.stand., mer i izm.prib. no.73;24-30 '63.

SOUND—BIBLIOGRAPHY see Bibliography—Sound

SOUND—MEASUREMENT

Studying the sound field in a large measuring basin. D.Z.Lopashev. Trudy inst.Kom.stand., mer i izm.
.73 31-40 '63.

re the uniformity of audiometric measure-
.Krishtaevich, T.A.Pustovalova, Trudy
mer i izm.prib. no.73;5-12 '63.

GICAL EFFECT

to a relative intensity of sound stimuli
ed action of dogs. IU.IA.Zakher,
eiat 14 no.2·311-317 Mr-Ap '64.

tation and inhibition processes in the
of the dog under the influence of pure
iko. Zhur.vys.nerv.deiat. 14 no.2;
'64.

of conditioned sound stimuli and on
rosis caused by the spatial approxi-
rces of sound stimulation. M.M.
hur.vys.nerv.deiat. 14 no.2270-276

G AND REPRODUCTION

nd L.Z.Papernov. [Studio audio
nd amplification systems] Appara-
ktov i sistem zvukousileniia. Moskva,
173 p. (Tekhnika radioveshchaniia)

SOUND—SPEED

Apparatus for measuring the speed of sound in water. L.P.Blinova. Trudy inst.Kom.stand.,mer i izm. prib. no.73 41-45 '63.

Calculating sound velocities in compressed fluids. A.A. Glinskii. Izv.vys.ucheb.zav., fiz. no.2 185-186 '64.

Speed of sound in liquid and gaseous argon I S Radovskii PMTF no 3 172-174 My-Je '64

SOUND—TRANSMISSION

Sound transmission through a thin plate on supports. E.L.Shenderov Akust.zhur. 10 no.2 229-233 '64.

SOUND WAVES

Amplitude and phase fluctuations and their correlation in the propagation of waves across a medium of random statistically anisotropic inhomogeneity. V.M.Komissarov Akust zhur 10 no 2.174-185 '64

Attenuation of normal waves in a plate with free boundaries. K V Zharkov, L.G.Merkulov, E.D.Pigulevskii. Akust.zhur 10 no.2 163-166 '64.

Critical frequencies in sound propagation across a liquid layered nonuniform half-space bounded by a thin elastic plate. V.IU.Zavadskii. Akust.zhur. 10 no.2 167-173 '64.

Selective destruction of a mechanically stronger component under compression or tension exerted by acoustic waves on a composition of materials of different strength. A.A.Vorob'ev. Izv.vys.ucheb.zav., fiz. no.2:168-169 '64.

Sound fluctuations in the double reflection from an agitated water surface O.S.Tonakanov Akust.zhur. 10 no 2.253-254 '64.

SOUND WAVES—INDUSTRIAL APPLICATIONS

Possibilities of using sound measuring to determine slope areas presenting a danger of lanslides. A.A. Kovshulia and others. Nauch.zap.Ukrniiproekta no.10·48-57 '63.

SOUND WAVES—SPEED

Reflection of sound at the interface of two moving media. L.M.Liamshev. Akust.zhur. 10 no.2,247-249 '64.

SOUTH AFRICA, REPUBLIC OF—POLITICAL PRISONERS

Repressions continue. V.A. Vsem.prof.dvizh. no.5; 22-23 My '64.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

A powerful demonstration of the solidarity of the working class with the people of South Africa. Ibrahim Zakaria. Vsem.prof.dvizh. no.5·20-22 My '64.

SOUTH AFRICA, REPUBLIC OF—TRADE UNIONS

Repressions continue. V.A.Vsem.prof.dvizh. no.5; 22-23 My '64.

SOUTH OSSETIAN AUTONOMOUS PROVINCE—PHYSICAL GEOGRAPHY

Physicogeographical regionalization of South Ossetian Autonomous Province. D.B.Ukleba. Trudy Inst. geog.AN Gruz.SSR 18·130-133 '63.

SOUTHEAST ASIA TREATY ORGANIZATION

From the Southeast Asia Treaty Organization to a "Pacific alliance." R.Lockwood. Mezhdunar.zhizn' 11 no.6,48-53 Je '64.

SOUTHERN BUG VALLEY—FORESTS AND FORESTRY

New materials, unused in science, on the southern boundary line of forests in the right-bank area of the Ukraine; interfluve between the Southern Bug and the Dnieper. F.E.Petrun'. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9:107-121 '62.

SOVEREIGNTY

Struggle of the peoples of capitalist countries for the preservation of sovereignty. A. Korkeshkin. Komm. Vooruzh.Sil 4 no.9;74-80 My '64.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—ACTINOMETRY

Studying the distribution of the components of the radiation balance over Central Asia. E.A.Lopukhin. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.16;17-36 '63.

SOVIET CENTRAL ASIA—ALBEDO

Albedo of some underlying surfaces. M.V.Sitnikova. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.16; 37-40 '63.

SOVIET CENTRAL ASIA—ATMOSPHERIC TURBULENCE

Daily course and comparative characterization of the turbulence coefficient based on some regions in Central Asia. B.A.Aizenshtat. Trudy Sred.-Az.nauch.-issl. gidrometeor.inst. no.16;50-60 '63.

SOVIET CENTRAL ASIA—COTTON—FERTILIZERS AND MANURES

Effect of nitrogen fertilizer forms and trace elements on cotton fruiting. V.K Andriushchenko. Agrobiologiia no.2;295-296 Mr-Ap '64.

Effect of the size of fractions of urea-formaldehyde fertilizers on the biochemical capacity of soils for nitrate accumulation and the yield of cotton. G.I. IArovenko, A A Umarov. Uzb biol.zhur 7 no.6; 62-66 '63

SOVIET CENTRAL ASIA—COTTON GROWING

Problems of the formation of the cotton yield as related to the microclimate and heat balance of a cotton field. F.A.Muminov Trudy Sred -Az.nauch -issl.gidrometeor inst. no 16;61-74 '63.

SOVIET CENTRAL ASIA—CROPS AND CLIMATE

Problems of the formation of the cotton yield as related to the microclimate and heat balance of a cotton field. F.A.Muminov. Trudy Sred -Az nauch.-issl.gidrometeor.inst no.16;61-74 '63.

SOVIET CENTRAL ASIA—ENCEPHALOMYELITIS

Antibodies to transmissive viruses of Casals' group A and B in some population groups of the U.S.S.R. S.A. Ananian. Zhur.mikrobiol., epid.i immun. 40 no.10: 125-130 O '63.

SOVIET CENTRAL ASIA—FAULTS (GEOLOGY)

Main faults of Kazakhstan and Central Asia. A.I. Suvorov. Trudy GIN no.80:173-238 '63.

SOVIET CENTRAL ASIA—INLAND WATER TRANSPORTATION

Operations of the Central Asiatic merchant fleet on regular cargo transportation lines. V.Volkov. Mor. flot. 24 no.3;9-10 Mr '64.

SOVIET CENTRAL ASIA—MULBERRY

Some notes on the organization of research work concerning mulberry plantations. L.S.Dain. Uzb.biol.zhur. 7 no.6;58-61 '63.

SOVIET CENTRAL ASIA—NATIONALITIES

Role of the R.S.F.S.R. in the creation of a Soviet governmental system by the peoples of Central Asia, 1917-1922. Sh.Urazaev. Sov.gos.i pravo 34 no.6: 106-111 Je '64.

SOVIET CENTRAL ASIA—NITRARIA

Economic significance of Nitraria. M.P.Petrov. Izv. AN Turk.SSR.Ser.biol.nauk no.2;41-45 '64.

SOVIET CENTRAL ASIA—PLANTS, PROTECTION OF

At the Section for General Entomology. M.S.Giliarov. Zashch.rast.ot vred.i bol. 9 no.2;50-50 '64.

SOVIET CENTRAL ASIA—PLANTS, PROTECTION OF—CONGRESSES

The 10th Afghan-Soviet Conference. L.S.Drozdov, E.P. TSyplenkov. Zashch.rast.ot vred.i bol. 9 no.2;6: '64.

SOVIET CENTRAL ASIA—RAILROADS—WATER SUPPLY

Sources of the water supply for the artificial wetting of soil in roadbeds. P.V.Sobolev. Transp.stroi. 14 no.3;7-10 Mr '64.

SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921

Role of the R.S.F.S.R. in the creation of a Soviet governmental system by the peoples of Central Asia, 1917-1922. Sh.Urazaev. Sov.gos.i pravo 34 no.6: 106-111 Je '64.

SOVIET CENTRAL ASIA—ROADS—WATER SUPPLY

Sources of the water supply for the artificial wetting of soil in roadbeds. P.V.Sobolev. Transp.stroi. 14 no.3;7-10 Mr '64.

SOVIET CENTRAL ASIA—SALINE AND ALKALI SOILS

All-Union Scientific-Technological Conference on the Problems of Controlling the Salinization and Improving the Meliorative State of the Irrigated Lands in Central Asia, Southern Kazakhstan, and Azerbaijan IA.K Shtarev, L.B.Levanovskii. Gidr.i mel 16 no 5;50-61 My '64.

SOVIET CENTRAL ASIA—SOLAR RADIATION

Monthly amount of the total and diffuse radiation in Central Asia. M.V.Sitnikova. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.16;41-40 '63.

SOVIET CENTRAL ASIA—WATER, UNDERGROUND

Lange, O.K. [Underground waters of the U.S.S.R.[Podzemnye vody SSSR. [Moskva] Izd-vo Mosk. univ. Pt.2. **Gordeev, D.I., ed.** [Underground waters of Siberia and Central Asia] Podzemnye vody Sibiri i Srednei Azii. 1963. 263 p.

SOVIET CENTRAL ASIA—WOODY PLANTS

Phenological groups of Central Asian trees and shrubs in Moscow. I.P.Petrova. Biul.Glav.bot.sada no.53; 3-10 '64.

SOVIET FAR EAST—EARTH—SURFACE

Akademiia nauk SSSR. Institut fiziki Zemli. [Crustal structure in the transitional area from the Asiatic continent to the Pacific Ocean] Stroenie zemnoi kory v oblasti perekhoda ot Aziatskogo kontinenta k Tikhomu okeanu. Moskva, Izd-vo "Nauka," 1964. 307 p. diagrs. (Insert)

SPECTRUM, INFRARED (Continued)

Structure of some derivatives of urea and guanidine Part 1: Infrared spectra and structure of diureincs and diguanyls of cyclohexanedione and phenanthrene quinone and their N-chloro derivatives D P Kutepov, S S Dubov, O G.Strukov Zhur strukt khim 5 no 2 309-313 Mr-Ap '64

SPECTRUM, SOLAR

Effect of the spectral composition of light on the development of plants I A Shul'gin, F M Kuperman Vest sel'khoz nauk 9 no 5 81-90 My '64

Forbidden transition lines related to the first excited sp^2 configurations in isoelectron coronal sequences Quadrupole transitions in sp^2 configurations. A.A. Nikitin, O A IAkubovskii. Dokl. AN SSSR 156 no 4: 760-762 Je '64

SPECTRUM ANALYSIS

Higher accuracy in measuring the optical thickness of a layer. N.G Preobrazhenskii. Izv.vys.ucheb.zav., fiz. no.2,49-52 '64.

Shortcomings of spectrum analysis by means of harmonic analyzers and ways for their elimination. D V. Bazhenov. Akust zhur 10 no 2:147-151 '64

Sibirskoe soveshchanie po spektroskopii. 1st, Kemerovo, 1962 [Spectroscopy, methods and applications] Spektroskopiia, metody i primenenie. Moskva, Izd-vo "Nauka," 1964. 213 p

Spectroscopic study of the conformation of some cyclohexane derivatives F A. Mamedov, I G. Ismailzade Dokl AN Azerb SSR 20 no 2 21-25 '64.

SPECTRUM ANALYSIS—TERMINOLOGY

Some terminological problems in nuclear spectroscopy. E.L Stoliarova. Izv.vys.ucheb.zav., fiz. no.2 8-16 '64.

SPECTRUM SOLAR

Spectra of coronal ions connected with sp^3 configurations. A.A. Nikitin Astron. zhur. 41 no 3 482-484 My-Je '64

SPEECH

Importance of physiological studies on the speech process for the purpose of developing systems of automatic speech distinction. V.A Kozhevnikov, L A Chistovich Probl. kosm. biol. 3:324-334 '64.

SPEECH—PHYSIOLOGICAL EFFECT

Thresholds of caloric nystagmus during the rotation at a constant velocity. I V.Orlov. Dokl AN SSSR 156 no.4:972-975 Je '64.

SPEECH, DISORDER OF

Epileptic oligophasia. V M. Bleikher. Zhur.nevr.i psikh 63 no.6:880-884 '63.

SPERMATOZOA

Hyaluronidase activity in human sperm. I. M. Prokhorova Akush. i gin. no. 1:40-44 '63.

SPHECIDAE see subdivision under Murgab Valley

SPHERICAL HARMONICS

Cubature formulae on a four-dimensional sphere, which are invariant relative to the transformations of finite rotation groups G N Salikhov Izv AN Uz SSR Ser fiz -mat nauk 7 no 6 25-29 '63

Method of spherical harmonics in the problem of critical parameters. I. A. Adamskaia, S. K. Godunov. Zhur. vych. mat. i mat. fiz. 4 no. 3:473-484 My-Je '64.

SPINAL CORD

Connections between the conducting paths of the spinal cord and the gelatinous substance of the posterior roots. N.K Totibadze. Trudy Inst. fiziol. AN Gruz. SSR 13: 161-168 '63.

Regeneration of the spinal cord in rats. Sh. A. Khidiroglian, N. M. Ipekchian. Izv. AN Arm. SSR. Biol. nauki 17 no. 4,11-20 Ap '64.

Summation capacity of tonic and tetanic centers of the spinal cord. E.S. Moniava. Trudy Inst. fiziol. AN Gruz. SSR 13:119-125 '63

SPINAL CORD—HERNIA

Surgical treatment of congenital myelocele. IA. D. Vitebskii. Sov. med. 27 no. 10:123-127 O '63.

SPINAL CORD—RADIOGRAPHY

Cerebrospinal fluid changes and myelographic data in patients with varices of the spinal cord. N.I. Annenkov. Zhur. nevr. i psikh. 63 no.6:859-861 '63.

Pneumomyelography in the diagnosis of secondary radicular syndromes. N V TSyvkin. Trudy Gos nauch.-issl. psikhonevr. inst. 31:355-363 '63

SPINAL CORD—TUMORS—BIBLIOGRAPHY see Bibliography—Spinal cord—Tumors

SPINAL NERVES see Nerves, Spinal

SPINE—RADIOGRAPHY

X-ray diagnosis of cervical migraine. A. IU. Ratner. Vest. rent. i rad. 38 no. 6,23-27 N-D '63.

X-ray diagnosis of spinal hemangiomas. R. A. Lisovskaia. Trudy Gos. nauch.-issl. psikhonevr. inst 31:364-374 '63.

SPINE—TUMORS

X-ray diagnosis of spinal hemangiomas. R. A. Lisovskaia. Trudy Gos. nauch.-issl psikhonevr. inst 31:364-374 '63

SPINEL GROUP

Oxidation of iron-vanadium spinel by oxygen S. A. Amirova and others. Zhur. fiz. khim. 38 no.4:916-920 Ap '64.

SPINNING

Determining the probable characteristics of yarn tension in centrifugal spinning as dependent on the probable characteristics of yarn mass distribution along its length. L. N. Ginzburg, V. P. Khavkin Tekst. prom. 24 no. 4 16-20 Ap '64.

SPINNING MACHINERY

Modernization of a three-cylinder drafter with self-weighted rollers. V P. Sautkin. Tekst. prom. 24 no 4 31 Ap '64.

Reference materials. Tekst. prom. 24 no. 4:95-96 Ap '64

SPINOZA, BENEDICTUS DE, 1632-1677

Sokolov, V. V. [Spinoza's philosophy and our age] Filosofiia Spinozy i sovremennost'. [Moskva] Izd-vo MGU, 1964. 449 p.

SPLEEN

Determination of the number of splenokaryocytes in mice. R.K. Kaluzhenko, A.I. Drozd. Lab. delo no.2:104-105 '64.

Some morphological and histochemical changes in the spleen of irradiated animals. E.E. Ogandzhanian, IU.I. Afanas'ev. Vop. radiobiol. [AN Arm SSR] 3/4:187-195 '63.

SPLEEN—ABNORMITIES AND DEFORMITIES

Case of acute gastrointestinal obstruction following torsion of the splenic pedicle L. V Kollegova Khirurgiia 38 no 12 113 D '62

SPLENOPORTOGRAPHY

Simultaneous examination of the portal and the biliary systems splenoportocholangiography. E I Gal'perin, M. K. Shcherbatenko Khirurgiia 39 no. 8 63-65 Ag '63

SPONTANEOUS COMBUSTION see Combustion, Spontaneous

SPORES (BOTANY)

Fluorescent method of determining the viability of spores. T.I. Zakharova, M.IU. Stepanova. Zashch. rast. ot vred. i bol. 9 no.2:45-46 '64.

SPORTS see subdivision under Buryat A.S.S.R.; Cuba; Estonia; Leningrad; Rostov-on-Don

SPORTS—ACCIDENTS AND INJURIES

Rokitianskii, V.I. [Lesions and orthopedic diseases caused by activities in physical culture and sports] Povrezhdeniia i ortopedicheskie zabolevaniia pri zaniatiiakh fizkul'turoi i sportom. Moskva, Izd-vo "Meditsina," 1964. 235 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SPORTS—EQUIPMENT AND SUPPLIES

Self-setting automatic trainer. B. V Morozov, P N Khlomenok. Teor i prak fiz kul't 27 no 2 73-74 F '64

SPORTS—ORGANIZATION AND ADMINISTRATION

Educational significance of communal assignments E P Shcherbakov. Teor i prak fiz kul't. 27 no 2 51-52 F '64

In sports organizations Teor i prak. fiz kul't 27 no 2 78 F '64.

SPORTS—PHILOSOPHY

From the history of the development of the reactionary ideology of militarism in bourgeois sports. V V. Stolbov Teor i prak fiz kul't 27 no 2 7-11 F '64

SPORTS—PHYSIOLOGICAL ASPECTS

Electric activity of the cerebral cortex in athletes at the different stages of training. G M. Kukolevskii Teor. i prak fiz kul't 27 no 2 30-32 F '64

Electromyotonometric investigation in connection with flexibility exercises E P. Vasil'ev Teor i prak fiz kul't 27 no 2:42-45 F '64.

Myographic data on the effect of sports massage V. V. Ikova Teor i prak fiz kul't. 27 no. 2 45-48 F '64.

Neural processes of the cerebral cortex and hemodynamics in downhill skiers during the restorative period L S Sokolova Teor i prak. fiz kul't 27 no 2 37-39 F '64

Using a complex of elementary exercises with a ball N D. Sinani. Teor i prak. fiz kul't. 27 no 2 40-41 F '64

SPORTS—PSYCHOLOGICAL ASPECTS

Effect of emotions on the effectiveness of an athlete O. A Chernikova Teor i prak fiz kul't. 27 no. 2,17-20 F '64.

SPORTS MEDICINE

Correlation of vegetative functions in the training in various fields R D Dibner, N P Eremenko, L I Karpenko. Teor i prak fiz kul't 27 no 2 24-26 F '64

Criticism and bibliography. Teor. i prak fiz kul't 27 no 2 77 F '64

Observations on the therapeutic effect of diadynamic (P Bernard's) currents in acute and chronical trauma of athletes A. N Abramova, I N Sosin. Teor i prak fiz. kul't 27 no. 2 48-50 F '64

Phagocytosis during the condition of fatigue V. N. Volkov, O V Bukharin. Teor i prak fiz kul't. 27 no 2: 26-29 F '64

Rokitianskii, V. I. [Lesions and orthopedic diseases caused by activities in physical culture and sports] Povrezhdeniia i ortopedicheskie zabolevaniia pri zaniatiiakh fizkul'turoi i sportom. Moskva, Izd-vo "Meditsina," 1964. 235 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SPORTS STORIES

Sobolev, A. N. [Sports for the strong and nimble] Sport sil'nykh i lovkikh. Moskva, Fizkul'tura i sport, 1964. 49 p. (Sport - detiam)

SPRATS—STORAGE

Cooling of sprats in saline solutions. L. G. Mikhailova. Khol. tekh. 41 no. 2.41-44 Mr-Ap '64.

SPRAY PAINTING—EQUIPMENT AND SUPPLIES

The S-765 paint-spraying gun. I. A. Aizenshtat. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform, 17 no.2:38-40 '64

SPRAYING AND DUSTING EQUIPMENT

Coupled ORP sprayers. G. P. Sannikov. Zashch. rast. ot vred. i bol. 9 no. 2:31 '64.

Do it yourself. V. F. Zashch. rast. ot vred. i bol. 9 no. 5:14 '64.

Fastening the boom of the ONK-B sprayer. I. V. Solin. Zashch. rast. ot vred. i bol. 9 no. 5:27 '64.

For low volume spraying. S. F. Prokopenko, N. I. Efremova. Zashch. rast. ot vred. i bol. 9 no. 5:25-27 '64.

The GAN-8 herbicide-ammonia machine. V. V. Filitsin. Zashch. rast. ot vred i bol. 9 no. 5:36-38 '64.

How to determine the need for specialized machines. G. P. Shamsov. Zashch. rast. ot vred. i bol. 9 no. 5: 39-40 '64.

Logarithmic sprayer. V. F. Dunskii, V. I. Mikhailov. Khim. v sel'. khoz. 2 no. 1:27-28 Ja '64.

The "Sever" sprayer. V. V. Filitsin. Zashch. rast. ot vred. i bol. 8 no. 10.11 O '63.

SPRINGS (MECHANISM)

Effect of coil curvatures on the fatigue resistance of compressed springs. B. V. Pasutman Vest. mashinostr. 44 no. 5:26-28 My '64.

Strength of compression springs loaded with a force exceeding its critical value V B. Zhukov. Vest mashinostr. 44 no. 5 23-26 My '64.

SPRINGS (MECHANISM)—STANDARDS

Required supplements to the state standard 9389-60. A. M Trus' Vest. mashinostr 44 no. 5:12 My '64.

SPRINGS (MECHANISM)—VIBRATION

Forced vibrations of cylindrical springs. P. F. Tovstik. Issl. po uprug. i plast. no. 3:96-106 '64.

SPRINKLER IRRIGATION

(see also subdivision under Golodnaya Steppe; Italy)

The placing of irrigation equipment. M V Karashov, V. N. Denisov. Nov. tekh. zhil.-kom. khoz.: Blagoustr gor no. 2:54-59 '62.

SPRINKLERS

Using high-speed motion-picture photography in the study of a short-jet nozzle with a conical deflector. N. A. Grigorian. Trudy VNIIGIM 42:123-132 '63.

SPRINKLERS—HYDRAULIC EQUIPMENT

Hydraulic power feeder for sprinklers and irrigation machines. S Vancian. Tekh v sel'khoz 24 no 5:32-35 My '64.

SPRUCE

(see also subdivision under White Russia)

Studying the sawing resistance of spruce wood and bark along the fibers. N. S. Drozdov. Uch. zap. Petrozav gos. un. 11 no. 2 28-32 '63

SPUTNIKS see Artificial satellites

SPUTTERING (PHYSICS)

Energy distribution of nickel atoms obtained in the cathode sputtering of nickel by mercury ions. M. B. Ben'iaminovich, V. I. Veksler. Zhur. tekh. fiz. 34 no. 2:361-366 F '64.

SQUIDS

Specific gravity of the squid Ommastrephes sagittatus Lamark. G. V. Zuev. Trudy SBS 16:383-386 '63.

[illegible]

(see also subdivision under Latvia, Virgin Territory)

[illegible]

STATE FARMS—OFFICIALS AND EMPLOYEES
(see also subdivision under Zakataly, Azerbaijan)

[illegible] wages of managerial workers and specialists in state farms [illegible]

STATE SUCCESSION

[illegible]

STATES, NEW—FOREIGN ECONOMIC RELATIONS

[illegible]

STATES, NEW—POLITICS

[illegible]

STATISTICS

[illegible]

[illegible] [Methods of statistical analysis in V. I. Lenin's works] Metody analiza statisticheskikh dannykh v trudakh V. I. Lenina. Moskva, Statistika, 1964. [illegible] p.

[illegible]

STATISTICS—[illegible]

[illegible]

STATISTICS—DICTIONARIES

[Statistical dictionary; [illegible] statistical terms in seven languages] Statistikai szótár; [illegible] Budapest, Központi Statisztikai Hivatal, [illegible] [in 7 languages]

STATISTICS—HANDBOOKS, MANUALS, ETC.

[illegible]

STATISTICS—[illegible]

[illegible]

STATISTICS—PROBLEMS, EXERCISES, ETC.

[illegible] [Problems and exercises on the fundamentals of statistics for the [illegible] of industrial enterprises] [illegible] promyshlennykh [illegible] Moskva, Statistika, [illegible] p.

STAVROPOL—[illegible]

[illegible]

STAVROPOL—TELECOMMUNICATION—EMPLOYEES

[illegible]

STAVROPOL GAS FIELD—GAS WELLS—HYDRAULIC FRACTURING

[illegible]

STAVROPOL PROVINCE—ART

[illegible] [Artists of Stavropol Province] Khudozhniki Stavropol'ia. Leningrad, Khudozhnik RSFSR, [illegible] p.

STAVROPOL TERRITORY—APPLE—DISEASES AND PESTS

[illegible]

STAVROPOL TERRITORY—BOTANY

[illegible]

STAVROPOL TERRITORY—BRUCELLOSIS

[illegible]

STAVROPOL TERRITORY—CHEMICAL INDUSTRIES—FINANCE

We are inspecting and helping I Lysenko Fin SSSR [illegible] 27-29 My '64

STAVROPOL TERRITORY—FLEAS

List of flea species (Suctoria) in Stavropol Territory. I G Ioff, V F Tiflov, O A Fedina Mat k pozn. fauny i flory SSSR, Otd zool no 39:24-30 '64

STAVROPOL TERRITORY—GAS, NATURAL

Gas industry of Stavropol Territory K A Belov, A L Kozlov, G S Ulmson Gaz prom 7 no 2 7-9 '62

STAVROPOL TERRITORY—GEOLOGY, STRATIGRAPHIC

Stratigraphy and conditions governing the formation of the Upper Eocene and Maikop sediments of Stavropol Territory and the Sal-Manych interfluve M S Burshtar, IU. P. Nikitina, IU. N Shvemberger Trudy VNIGNI no 38 89-104 '63

STAVROPOL TERRITORY—GRAIN—HARVESTING

Use a high-speed method for grain harvesting. V.Karpovich, E.Seliverstova. Sov.profsoiuzy 20 no.12:2 Je '64.

STAVROPOL TERRITORY—MITES

Fauna of gamasid mites (Gamasoidea, Parasitiformes) in Stavropol Territory A.G. Reitblat Mat. k pozn fauny i flory SSSR,Otd zool. no 39:244-258 '64

STAVROPOL TERRITORY—PETROLEUM GEOLOGY

Studying the Maikop series of Stavropol Territory. B.K. Lotiev, M N, Smirnova. Izv. vys. ucheb. zav., neft' i gaz 5 no. 11 9-12 '62.

STAVROPOL TERRITORY—ROCKS, SEDIMENTARY

Bottom currents in the Chokrak Basin of the southern Stavropol Territory. V.A.Grossgeim. Dokl.AN SSSR 156 no.4:825-826 Je '64.

STAVROPOL TERRITORY—SAN JOSÉ SCALE—EXTERMINATION

Penetration of petroleum oil under the shield of the San Jose scale Aspidiotus perniciosus Comst. V K.Unterberger. Khim.v sel'.khoz. 2 no.1:26-27 Ja '64.

STEAM

Condensation of steam from a steam-gas mixture Zh F Sergazin Trudy MEI no 48 75-84 '63

STEAM, SUPERHEATED

Effect of chromium and silicon on the corrosion resistance of low-alloy and siliceous steels in superheated steam. V.M.Nikiforova, I.L.Kharina. Metalloved.i term.obr.met. no.4:25-29 Ap '64.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM ENGINES

Mechanical removing of oil from used steam. P.A. Uriupinskii. Biul tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh.inform. 17 no.2 27-28 '64.

STEAM POWER PLANTS

Perspective load graphs of a steam power plant and effect of the operating modes on the selection of the parameters of steam turbine systems A N Zlatopol'skii, S L Pruzner. Trudy MEI no 48 119-131 '63

STEAM TURBINES

Change of the axial gaps of the VK-100-6 turbine during its operation S A, Prokhorov, B L Levchenko K K Romanchik Teploenergetika 11 no 3 61-66 Mr '64

Calculation of optimum vacuum in the calculation of a steam turbine system. A I Andriushchenko. Sbor *nauch soob SPI no 17 3-13 '62.*

Calculation of the heating of a turbine housing. P.G. Tret'iakov. Teploenergetika 11 no. 4:60-62 Ap '64.

Calculation of the heating of the flange connections of turbines. B.A.Arkad'ev, *V.M.Garnitsa, N.B.* Poltoratskaia. Teploenergetika 11 no. 4:63-66 Ap '64.

Effect of steam bleed through the moisture trap on the moisture removal in the blading and efficiency of a turbine. R M.IAblonik, E. E. Markovich. Energomashinostroenie 10 no 2 23-25 F '64

Effect of the form of the rims of a channel in front of the nozzle apparatus on its efficiency with large input overlaps. A.E. Zariankin, A.G. Belikov. Teploenergetika 11 no. 4:49-52 Ap '64.

Hydraulic resistance of KOS type lift check valves. D. P. Buzin, V.N. Linetskii, P. L Suris. Energomashinostroenie 10 *no. 2:33-35* F *'64.*

Installation of turbine units. I. V. Bobrovitskii, V. D. Ivanovskii. Energ. stroi. no. 37:34-44 '63.

Norms on the hardness of turbine condensate. L.D. Berman. Teploenergetika 11 no. 4:75-77 Ap '64.

Operational reliability of a turbine under conditions of expanded maintenance. V.M Pilsetskii Elek. sta. 35 *no 3 79-80 Mr '64*

Self-oscillations of a high-pressure rotor. IU.IA Vilenskii Elek. sta. 35 no. 3:80-81 Mr '64

Some results of the study of the various modes of operation of VPT-25-3 turbine units G K.Smurgovich M V Ten'kaev V V Semenova Sbor nauch soob *SPI no 17 111-124 '62*

Thermodynamic calculation of optimum initial pressure of counterpressure systems A I Andriushchenko, IU M Khlebalin Sbor nauch soob SPI no 17 14-28 '62

Use of changeable rotors for seasonal conversion of condensing steam turbines to back pressure operation in central heating systems E IU Bliumina, S K Remennik Teploenergetika 11 no 3 58-61 Mr '64

The VK-100-6 turbine manufactured by the Leningrad Metalworking Plant (22d Congress of the CPSU) A V Levin, F A Lisnianskii, N A Sorokin Elek sta 35 no 2 15-20 F '64

STEAM TURBINES—BLADES

Nitriding of guide vanes. IA.L Volnich. Metalloved.i term.obr.met. no.4:44-45 Ap '64

STEAM TURBINES—MAINTENANCE AND REPAIR

Turning of a turbine rotor using a balancing machine. R.A Tradat'ian Elek sta 35 no 2 88 F '64

STEAM TURBINES—VIBRATION

Vibrational reliability of steam turbine rotor blades S I Bogomolov Elek sta 35 no 3 25-27 Mr '64

STEAMPIPES

Double-flow main steam supply line. D. L. Kostovetskii, K. I. Boladzhi. Energomashinostroenie 10 no. 4:9-12 Ap '64.

Numerical method for calculating thermal expansion and external loads of complex pipelines. V. A. Nakhalov. Teploenergetika 11 no. 4:87-91 Ap '64.

STEAMPIPES—TESTING

Testing of superheater tubes from 12Kh1MF steel under long-term vibration loads A V.Ratner, L I Kripp, *S I Khramov Elek stat 35 no 1 33-37 Ja '64.*

STEEL

Aging of some boiler steels. A, Z.Kontorovskii, K.I. Vasiuchkova, T.P. Kuznetsova. Teploenergetika 11 no. 4:34-37 Ap '64.

Bauschinger's effect in low carbon steel in preliminary alternating plastic deformations. Z. P. Kamentseva. Issl. po uprug. i plast. no. 3 261-264 '64.

Certain phenomena when building up bronze on steel by means of friction. IA. M. Kershenbaum, N. G. Liudmirskaia, B. A. Averbukh. Trudy MINKhiGP 46:219-226 '64.

Change in mechanical and heat resistance characteristics of boiler steel during cold bending and subsequent long exposures to high temperatures. E. I. Krutasova. Teploenergetika 11 no. 4:38-42 Ap '64.

Correlation between the potential of scale-covered steel and the loss of weight on etching in sulfuric acid. A.S. Afanas'ev, G. M. Khvedchenia. Ukr. khim. zhur. 30 *no. 4:405-410 '64.*

Drilling of deep holes in components from heat resistant steel. IA. A. Toger, V. F. Kovalenko. Energomashinostroenie 10 no. 4:33-36 Ap '64.

Effect of heavy prior plastic deformations on the yield point of low carbon steels. G. B. Talypov, A. I. Chistiakov. Issl. po uprug. i plast. no. 3:249-251 '64.

Nature of the adherence of a layer of white cast iron to steel on plating by friction. IA. M. Kershenbaum and others. Trudy MINKhiGP 46,213-219 '64.

Operational performance of EP-181 (TIP EI-713), EI-695R and EP-17 steel A A Moiseev, I.M Zotin. Teploenergetika 11 no 3 70-74 Mr '64

STEEL—ANALYSIS

Effect of carbon content on the strength of structural sheet steel under the effect of tension. B. A. Drozdovskii and others. Metalloved. i term. obr. met. no. 5: 21-28 My '64.

Moldavskii, O. D. [Role of silicon and aluminum in reducing the harmful effect of phosphorus on the quality of steel] Rol' kremniia i aliuminiia v oslablenii vrednogo vliianiia fosfora na kachestvo stali. Moskva, *Izd-vo "Metallurgiia," 1964.* 87 p.

STEEL—CORROSION

Corrosion behavior of carbon steel in nitrose acids. L A. Polubolartseva and others. Khim. prom. no. 10: 782-785 O '63.

Effect of zirconium on the corrosion resistance of steel. V.S. Kovalenko, E. L. Zats. Metalloved. i term. obr. met. no. 4:30-31 Ap '64.

Role of bacteria in the process of electrochemical steel corrosion in seawater [with summary in English]. L. A. Rozenberg. Mikrobiologiia 32 no. 4:689-694 Jl-Ag '63.

STEEL—FATIGUE

Effect of electroslag remelting on the corrosion-fatigue strength of steel. I. I. Ishchenko, I. A. Malynovs'ka. Dop. AN URSR no. 5:593-595 '64.

Increasing the fatigue strength of cemented and cyanided parts by shot peening. D.A. Sveshnikov. Metalloved. i term. obr. met. no. 4:47-49 Ap '64.

STEEL—HANDBOOKS, MANUALS, ETC.

Review of V.N. Zhuravlev and O.I. Nikolaeva's handbook "Steel for the machinery industry." M.S. Peretiat'ko. Metalloved i term. obr. met. no. 4,64 Ap '64.

STEEL—HARDENING

Heat hardened Kh5M-U pipes. L. B. Zaleeskaia, S. I. Vol'fson. Mash. i neft. obor. no. 1 26-28 '64.

Residual stresses in the induction surface hardening of steel and nomograms for their determination. G. K. Shreiber, A. G Kan. Trudy MINKhiGP 46 192-196 '64.

Steel hardening by electron beam. G. T. Nazarenko. Metalloved. i term. obr. met no. 5 56-58 My '64.

Zil'ber, IA. K. [Gas case hardening of steel] Gazovaia tsementatsiia stali. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 40 p. (Novoe v tekhnike)

STEEL—HEAT TREATMENT

Mechanical properties of St 3kp steel depending on conditions of heat treatment. N. F. Legeida, V. I. TSeluiko, V. S. Nosov. Metalloved. i term. obr. met. no. 4:38-40 Ap '64.

STEEL—METALLOGRAPHY

Effect of residual austenite on the formation of cracks. E. I. Malinkina, E. V. Tarabarova. Metalloved. i term. obr. met. no. 5:17-20 My '64.

STEEL—METALLURGY

Answers to letters to the editors. N. I. Shchapov, IU. A. Geller. Metalloved. i term. obr. met. no. 4:60-64 Ap '64.

Brief survey of the expansion of steel smelting. L. D. IUdina. Sbor. trud. Otd. tekh.-ekon. issl. TSNIIChM no. 1:3-12 '63.

STEEL—TESTING

Effect of a molten metal media on the mechanical properties of steel. I. V. Andreev, V. F. Gorshkov, IA. M. Ditiatkovskii. Metalloved. i term. obr. met. no. 5:52-54 My '64.

Mechanical properties of St 3kp steel depending on conditions of heat treatment. N. F. Legeida, V. I. TSeluiko, V. S. Nosov. Metalloved. i term. obr. met. no. 4:38-40 Ap '64.

STEEL, STAINLESS—BRITTLENESS

Effect of heat treatment on the cold brittleness of stainless steel. L. B. Getsov, M. S. Albinder, E. M. Burkan. Metalloved. i term. obr. met. no. 4:11-14 Ap '64.

STEEL, STAINLESS—CORROSION

Corrosion cracking of stainless steel. D. O. Tufanov. Metalloved. i term. obr. met. no. 4:15-18 Ap '64.

Lasting corrosion resistance of Kh18N10T steel during alternating wetting and drying. A. V. Riabchenkov and others. Metalloved. i term. obr. met. no. 4:18-21 Ap '64.

STEEL, STAINLESS—HEAT TREATMENT

Heat treatment of stainless tubes. L. A. Dolinskaia and others. Metalloved. i term. obr. met. no. 4:36-38 Ap '64.

STEEL, STAINLESS—TESTING

Tests in the perforation of stainless plates by means of thin diamond disks. A. M. Levinson, S. IU. Tyminskaia. Bumagodel. mash. no. 11:216-227 '63.

STEEL, STRUCTURAL

Heat hardened Kh4M-U pipes. E. I. Zaleeskaia, S. I. Vol'fson. Mash. i neft. obor. no. 4:26-28 '64.

Investigating the stress relief of heat hardened carbon and manganese steels in welding. I. M. Kuzmak, V. I. Loginov. Trudy MINKhiGP 46:164-181 '64.

Long-term durability of 12MKh and 12Kh1MF tempered steel and welded joints. E. M. Kuzmak, V. A. Krushkina. Trudy MINKhiGP 46:150-163 '64.

Reducing expenditures on stainless and acid-resistant steels in mixing devices. V. M. Kulakov. Mash. i neft. obor. no. 4 17-19 '64.

Sokolovskii, P. I. [Reinforcement steels] Armaturnye stali. Moskva, Izd-vo Metallurgiia, 1964. 207 p.

Steels of increased and high strength for structural *elements.* V. A. Baldin and others. Prom. stroi. 41 no. 1:17-21 Ja '64.

STEEL, STRUCTURAL—TESTING

Effect of carbon content on the strength of structural sheet steel under the effect of tension. B. A. Drozdovskii and others. Metalloved. i term. obr. met. no. 5: 21-28 My '64.

STEEL, STRUCTURAL—METALLOGRAPHY

Dendritic segregation of alloying elements in structural steel. P. M. Zhuravlenkov, I. N. Golikov. Metalloved. i term. obr. met. no. 5:38-40 My '64.

STEEL, STRUCTURAL—TESTING

Mechanical properties of structural steels at low temperature. I. A. Gindin and others. Metalloved. i term. obr. met. no. 5:44-46 My '64.

STEEL ALLOYS

Processes reducing the diffusion of a granular solid alloy (a tungsten carbide composition). E. M. Kuzmak, K. P. Efremova, IU. S. Turkin. Trudy MINKhiGP 46: 197-200 '64.

STEEL INDUSTRY

Building a material and technical foundation of communism. Metalloved.i term.obr.met. no.5,1-2 My '64.

STEEL INDUSTRY—COSTS

Operational calculation of the cost of steel. A Chernukha. Bukhg uchet 21 no 2 28-30 F '64.

STEEL INDUSTRY—FINANCE
(see also subdivision under Ural Mountain region)

Considering the time factor in determining the economic efficiency of capital investments. I.S.Gokhman, A.G. Vitin. Sbor.trud.Otd.tekh.-ekon.issl.TSNIICHM no.1, 99-117 '63.

Methods of evaluating scrap in calculating the efficiency of capital investments in ferrous metallurgy. I.S. Gokhman, M.S.TSitrin. Sbor.trud.Otd.tekh.-ekon. issl.TSNIICHM no.1,93-98 '63.

STEEL INDUSTRY—QUALITY CONTROL see subdivision under Moscow

STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Potentialities of the steel industry D.Smoliarenko NTO 5 no.9,11-13 S '63

STEEL INGOTS

Compressed disks for heating ingots. A.P Frumkin. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.2:4-5 '64.

STEEL PIPE see Pipe, Steel

STEELWORKS see Iron and steel plants

STEERING GEAR

Action of steering gears of various kinds. A.D.Gofman. Trudy LIVT no 45:66-72 '63

STEINMETZ, KARL PROTEUS, 1865-1923

V.I.Lenin's correspondence with the American scientist C.P.Steinmetz; new documents. Nov.i noveish.ist. no.1:106-111 '64.

STEKLOV, VLADIMIR ANDREEVICH, 1864-1926

Academician V.A.Steklov. Tekh.i vooruzh. no.1:74-76 Ja '64.

STEPNOVSKOYE GAS FIELD—GAS—ANALYSIS

Investigating the chemical composition of gas and gas condensate of the Stepnovskoye field. IU.N.Usov and others. Izv.vys.ucheb.zav., neft' i gaz 7 no.3: 55-58 '64.

STEPPE FLORA

Role of the works of G.I.Tanfil'ev in the solution of the problem of the origin of steppe vegetation. D.I.Sakalo. Trudy Od.un. 152.Ser.geol.i geog.nauk no.9:89-92 '62.

STEREOCHEMISTRY

Quantitative determination of the stereoregularity of polystyrene by means of infrared spectroscopy. E.I. Pokrovskii, E.F.Fedorova. Vysokom.soed. 6 no.4: 647-651 Ap '64.

Stereospecific radical polymerization of propylene at high pressures. A.A.Zharov and others. Vysokom.soed. 6 no.5:962-963 My '64.

STERILITY

Detection of anovulatory cycles by means of some function tests. G.F.Khrustaleva. Akush.i gin. no.1:44-48 '63.

Diagnosis and treatment of female sterility. S.N. Kheifets. Akush.i gin. no.1:18-23 '63.

Endometrial transplantation as a method of treatment of some forms of amenorrhea and sterility. E.S. Kononova. Akush.i gin. no.1:24-28 '63.

Experimental data on the surgical treatment of female sterility. S S.Selitskaia. Eksp.khir.i anest. 8 no.5: 43-44 S-O '63.

Some data on the characteristics of the state of the cervix uteri in sterility. N.I.Kuzavova. Akush.i gin. no.1: 53-57 '63.

Some forms of sterility and their treatment with prednisolone. M.L.Krymskaia, N.T.Starkova. Akush.i gin. no.1:3-8 '63.

STERILITY IN ANIMALS

Fertility of and zygot divisions in sows inseminated with preserved semen. A.I.Arkhipovets. Vest.sel'khoz. nauki 9 no.2:65-70 F '64.

Using iodine against sterility in cattle. S.V.Shilin. Trudy Smol.NIVS no.2:258-263 '62.

STERILITY IN PLANTS

Studying and making use of cystoplasmic male sterility in winter wheat. N.I.Savchenko, A.S.Lastovich. Agrobiologiia no.2:243-249 Mr-Ap '64.

Studying the intensity of the accumulation and consumption of assimilates in the leaves of corn sterile forms and their fertile analogues V.I.Zaishlyi Vest sel'khoz.nauki 9 no.4:28-33 Ap '64.

STERILIZATION

Apparatus for sterilizing glassware and slanting nutrient media in test tubes. I.T.Natykach, S.S Badyva Lab. delo no.2:120-121 '64

STERLITAMAK—CEMENT PLANTS—EQUIPMENT AND SUPPLIES

Adjusting equipment at the Sterlitamak Soda-Cement Combine. V.N.Suchkov Sbor.po.obm opyt.v tsem. prom. no.1 31-35 '60.

STEROID HORMONES

Changes in the fractional composition of serum globulins and lymph node extracts under the effect of immunization and steroid hormones. Report No.2. A N.Meshalova. Zhur.mikrobiol.,epid i immun. 40 no.10 26-33 O '63.

Effect of ACTH, cortisone and prednisone on the course of strophulus. M.E.Lipets Vest.derm.i ven 37 no.6:69-73 Je '63.

STEROIDS—THERAPEUTIC USE

Utilization of anesthetic properties of steroids in medicine I.S.Badiugin. Usp sovr.biol. 57 no.3:422-445 My-Je '64

STOCK AND STOCKBREEDING see subdivision under Kazakhstan; Turkmenistan

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref.zhur · Zhiv.Vet. no.12 Je '64.

STOCK AND STOCKBREEDING—BIBLIOGRAPHY see Bibliography—Stock and stockbreeding

STOCK AND STOCKBREEDING—RESEARCH

In the Department of Animal Husbandry Vest sel'khoz nauki 9 no 4:122-136 Ap '64.

STOLETOV, ALEKSANDR GRIGOR'EVICH, 1839-1896

Noteworthy dates in science and technology. Shkola i proizv. 8 no 7:94-96 Jl '64

STOL'NOYE (UKRAINE)—DRUGSTORES

A rural pharmacy. S.K.Morhun. Farmatsev.zhur. 14 no.4:75-77 '59.

STOMACH—BIOPSY

Attachment for biopsy in flexible gastroscopes. P.A. Kanishchev. Nov.med.tekh. no.5:55-57 '61.

Gastrobiopsy in cancerous and precancerous diseases of the stomach. IU.S.Silaev, E.A.Moshnina. Vop.onk. 8 no.12:13-18 '62.

STOMACH—CANCER

Cancer of the "operated stomach" and its treatment. A.S.Komarov. Vop.onk 8 no.12:21-30 '62.

Differential X-ray diagnosis of additional shadows on the background of the stomach. V.B.Antonovich, L.M. Rysin. Sov.med. 27 no.10:41-46 O '63.

Evaluation of the incretory activity of the stomach and its importance in the diagnosis of malignant neoplasms. I.F.Grekh, E.A.Bognibov. Vop.onk. 8 no.9:68-75 '62.

Gastrectomy and esophagoduodenostomy in stomach cancer. T M. Chachava. Soob.AN Gruz SSR 30 no 3 353-359 Mr '63

Gastric resection for cancer with a duodenal inversion. A.S.Gadzhiev. Vop.onk. 8 no.9:61-67 '62.

Gastrobiopsy in cancerous and precancerous diseases of the stomach. IU.S.Silaev, E.A.Moshnina. Vop.onk. 8 no.12: 13-18 '62.

Late results of surgical treatment of stomach cancer. G.A.Komardina. Vop.onk. 8 no.12:73-77 '62.

Repeated surgery for cancer of the stomach. IU.T. Komorovskii. Vop.onk. 8 no.9:85-90 '62.

Some blood coagulation factors in cancer of the stomach and esophagus. P.M.Isakhanov, M.D.Lapin. Khirurgiia 39 no.8:88-92 Ag '63.

Transillumination, a method for the diagnosis of cancer of the stomach in laparotomy. M.Z.Sigal. Vop.onk 8 no.12:3-13 '62.

Tumors of the forestomach induced in mice by administration of 3,4-benzopyrene. O.G.Prokof'eva. Vop. onk. 8 no.12:46-51 '62.

Use of radioactive phosphorus in the diagnosis of stomach cancer. E.I.Vozniuk, B.D.Komarov Khirurgiia 38 no.12:60-62 D '62.

STOMACH—INFLAMMATION

Amount of vitamins B_1 and PP in the urine in gastritis with secretory insufficiency. E.A.Vasilenko. Trudy Inst.kraev.eksper.med. no.5:45-51 '63.

Functional state of the pituitary-adrenal system in chronic gastritis with gastric secretory hypofunction. L.P.Grokhovskii. Vest.AMN SSSR 18 no.10:56-60 '63.

Microflora of gastric juice in chronic gastritis. N.R. Rakhimov, Z.F.Samsonova, G.Sh.Sabirova. Trudy Inst.kraev.eksper.med. no.5:41-44 '63.

Problems in the etiology and pathogenesis of chronic gastritis. TS.G.Masevich. Vest.AMN SSSR 18 no.10:48-55 '63.

Treatment of peptic ulcer and chronic gastritis with ventriculin A.N.Grigor'iants. Sov med 27 no.10 106-109 O '63

STOMACH—INNERVATION

Effect of the stimulation of adrenergic structures of the reticular formation on the course of interoceptive metabolic reflexes. L I Belen'kii Izv AN Azerb SSR Ser.biol i med nauk no 2 105-112 '62

STOMACH—RADIOGRAPHY

Differential X-ray diagnosis of additional shadows on the background of the stomach V B. Antonovich, L M. Rysin. Sov.med. 27 no.10:41-46 O '63

STOMACH—SECRETIONS
(see also subdivision under Uzbekistan)

Effect of carbocholine on the excretory function of stomach glands after bilateral severance of vagus nerves in the neck O.B.Ismailov. Izv.AN Azerb. SSR.Ser.biol.i med.nauk no.1,59-65 '64.

Effect of Russian strophanthin K on the secretory function of the stomach. N.Kasymov, I.Fatkhkullaev. Trudy Inst.kraev.eksper.med. no.5 173-174 '63.

Evaluation of the incretory activity of the stomach and its importance in the diagnosis of malignant neoplasms. I.F.Grekh, E.A.Bognibov Vop onk. 8 no.9:68-75 '62.

Method for the determination of the functional state of the gastric mucosa in the clinic V.N.Tugolukov Vest.AMN SSSR 18 no.10:76-82 '63

Tonic function of the stomach in chronic colitis. A.A. Finkel, E.IUsupova. Trudy Inst.kraev.eksper.med. no.5 66-73 '63.

STOMACH—SURGERY

Cancer of the "operated stomach" and its treatment. A.S.Komarov. Vop.onk 8 no.12:21-30 '62.

Clinicomorphological classification and some problems concerning surgical treatment of gastric polyps A A Narychev, K K Narycheva Khirurgiia 38 no 12 89-93 D '62

Gastrectomy and esophagoduodenostomy in stomach cancer. T M.Chachava Soob AN Gruz SSR 30 no 3 353-359 Mr '63

Gastric resection for cancer with a duodenal inversion. A.S.Gadzhiev. Vop.onk. 8 no.9:61-67 '62.

Late results of surgical treatment of stomach cancer. G.A.Komardina. Vop.onk 8 no.12 73-77 '62.

Lesion of bile ducts during radical gastrectomy in low located hemorrhagic gastric ulcers and closing of the duodenal stump by demucosation and double retrograde rolling a variant of the IAkobovichi method S I. Smelovskii. Khirurgiia 39 no.8 54-57 Ag '63

Removal of the transverse colon in a patient following stomach resection performed by the Hofmeister-Finsterer method A.M Betaneli, G.E Beshkenadze, A A IAshvili Khirurgiia 38 no 12 108-109 D '62

Repeated surgery for cancer of the stomach. IU.T. Komorovskii. Vop.onk. 8 no.9:85-90 '62.

Sigal, M.Z. [Transillumination in surgery on the stomach] Transilliuminatsiia pri operatsiiakh na zheludke. Moskva, Meditsina, 1964. 187 p. (Biblioteka prakticheskogo vracha)
(DNLM)

STCMACH—TUMORS

Clinicomorphological classification and some problems concerning surgical treatment of gastric polyps A A Narychev, K K Narycheva Khirurgiia 38 no 12 89-93 D '62.

Diagnosis and therapy of benign nonepithelial tumors of the stomach. IU.V.Petrov Vop.onk. 8 no.11,51-59 '62

Glomus stomach tumors. A.M.Malorossiianova, M.A. Shalevich. Vop.onk. 8 no.9:80-83 '62.

STONE see subdivision under Karelia

STONE AGE see subdivision under Eurasia; Karelia

STONE CUTTING

Rocket builds. IU.Medvedev. Izobr.i rats. no.6,14-16 '64.

STONE INDUSTRY—EQUIPMENT AND SUPPLIES

Receiving bunker. B.N.Bondarenkov. Put' i put.khoz. 8 no.5:32-33 My '64.

STONECUTTING—EQUIPMENT AND SUPPLIES

Increasing the output of stonecutting machines. S.Avetisov Prom.Arm. 7 no 2 36-38 F '64.

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STOPING (MINING)
(see also subdivision under Kizel Basin)

Bud'ko, A.V. [Automation of stoping operations] Avtomatizatsiia ochistnykh rabot. Moskva, Izd-vo "Nedra," 1964. 133 p.

Industrial investigation of ore removal from a stoping area of rhomboid shape. D.Z.Gel'man, F.Z. Frenkel', A.M.Baluta. Gor.zhur. no.5:25-27 My '64.

STOPING (MINING) (Continued)

[illegible] V.S. [illegible] [illegible] 135-46 Mr '64.

[illegible] of [illegible] of a central depression [illegible] the mine. V.G. [illegible] no 2 32-34 '63.

STOPPING POWER (NUCLEAR PHYSICS)

[illegible] of the solution to the characteristic [illegible] of radiation [illegible] in [illegible] M.V. Maslennikov, T.A. [illegible] fiz. 4 no 1 23-[illegible] Ja-F '64

STORAGE BATTERIES

Are legs for storage batteries necessary? M. Margolin Tekh i vooruzh no 1 70 Ja '64

Il'in, F.V. [Installation of storage batteries and charging devices] Montazh akkumuliatornykh batarei i zariadnykh ustroistv. Moskva, Stroiizdat, 1964. 113 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

STORAGE BATTERIES—MAINTENANCE AND REPAIR

Fursov, S P. [Semiconductor rectifiers for charging storage batteries] Poluprovodnikovye vypriamiteli dlia zariadki akkumuliatorov Izd 2., ispr. i dop. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1962 55 p
[MICROFILM]

Semenov, L.G [Manual for storage battery electricians] Elektromonter-akkumuliatorshchik. Moskva, Vysshaia shkola, 1964 231 p

STORES, RETAIL see subdivision under Moscow; Volgograd

STORES, RETAIL—EQUIPMENT AND SUPPLIES

Improve mechanical store equipment V Gorodko N Dubrovs Sov torg 36 no 6 11-13 Je '63

The over-all store mechanization M Osherov Sov torg 36 no 6 34 Je '63

STOVES

Veski, Arvo, and Aksel Vaik. [Stovemaking and chimney-sweeping] Pottsepa- ja korstnapuhkimistood. Tallinn, Eesti Riiklik Kirjastus, 1964. 170 p. [In Estonian]

STRACHEY, JOHN, 1901-1963

Zorina, D IU. [How John Strachey "renovated" Marx; the antiscientific character of the principles of contemporary reformism] Kak Dzhon Strechi "obnovil" Marksa, antinauchost' osnov sovremennogo reformizma. Moskva, Ekonomika, 1964. 108 p.

STRAIN GAUGES

Apparatus for measuring pressure by the wire method. N.T.Losev, K.V Luk'ianov. Ugol' Ukr. 8 no.1. 41-42 Ja '64

STRAINS AND STRESSES

Determination of the mechanical characteristics of polymer materials by stress relaxation at a constant strain. G L Slonimskii, L.Z.Rogovina Vysokom. soed 6 no.4 620-623 Ap '64
Determining vertical movements of an elastic foundation of finite thickness and ascertaining the contact pressure at the base of a rigid installation V I.Titova Trudy Lab gidr sooruzh VODGEO no.4 89-123 '63

Differential equation of the resilient-pliable oscillations of a plate subjected to strong flexure. IA.Aminov. Izv. AN Uz.SSR Ser tekh.nauk 8 no.1 38-49 '64

Effect of adhesion on the internal stresses of glue joints. P.I.Zubov and others. Vysokom soed. 6 no.5:803-805 My '64

Effect of microstresses producing Bauschinger's effect on the yield point and stability in pure shear. G.B. Talypov. Issl.po uprug.i plast. no.3 237-245 '64.
Effect of ten-year storage on the fatigue resistance of parts with residual stresses. I.V.Kudriavtsev, N.M Savvina. Metalloved.i term.obr.met. no.4·32-33 Ap '64.
Effect of the state of strain of a structure on the period of its natural vibrations A I Martem'ianov, K S. Abdurashidov Izv AN Uz SSR Ser.tekh nauk 7 no 6 41-49 '63
Effect of the tread thickness on the redistribution of the residual stresses occurred during the heat treatment of wheels for the railroad rolling stock. N.F Denishenko, G.T.Litvinov. Trudy DIIT no.40·183-187 '62.

Investigating the internal stresses in cemented joints A M Chistiakov and others Plast.massy no 1:57-59 '64.

Investigating the static strength of rigid plastics in a plane state of stress. V N.Shannikov, K N.Kan Plast massy no.1·59-62 '64

Limiting state of a figured interlayer under tensile and bending stresses. A.I Kuznetsov. Issl.po uprug.i plast. no.3 62-74 '64.
Magnetically resilient sensors for measuring mechanical forces M T Stolbun Elektrichestvo no.1.45-46 Ja '64
Measuring stresses in powered support assemblies with the help of photoelastic transducers. G.A.Katkov. Ugol' Ukr. 8 no.3·32-34 Mr '64.

Reduction of internal stresses in aluminum alloy products V.G.Vorob'ev, I Kh Lokshin, N.L Tiskovich. Metalloved i term.obr.met. no.4:33-35 Ap '64.
Residual stresses in the induction surface hardening of steel and nomograms for their determination. G.K. Shreiber, A G Kan. Trudy MINKHiGP 46:182-196 '64.

Theory of finite strains in cubic crystals. A.A.Nran'ian. Fiz.tver.tela 6 no 4 1213-1219 Ap '64

STRATEGY

The "Rankin" plan. V.Kulish. Voen.-ist.zhur. 6 no.5·97-104 My '64

Some questions of military history in the book "Military strategy " A Golubev Voen -ist zhur. 5 no 5 87-101 My '63.

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRAW—HARVESTING

Experimental determination of the aerodynamic resistance of hay and straw stacks V I.Savin. Trakt.i sel'khozmash no.5.29-31 My '64.

STRAW—TRANSPORTATION

Mounted sweep rake. I Evdokimenko Tekh.v sel'khoz. 24 no.3.84-85 Mr '64.

STRAWBERRIES see subdivision under Moscow

STRAWBERRIES—DISEASES AND PESTS

Hexachloran in the control of the strawberry mite Steneotarsonemus pallidus V.N.Korchagin, I A Ermolaeva, Zashch.rast.ot vred i bol 8 no 10 22-23 O '63.
New development in the control of the strawberry mite Steneotarsonemus pallidus E.E.Savzdarg. Zashch. rast ot vred.i bol 9 no.2;28-29 '64.

STREAM CROSSING, MILITARY

A battery in an attack with the forcing of a river. P.Bystrykh. Voen.vest 43 no.5;81-83 My '64.
Exercise with a company of amphibious personnel carriers A.Belykh, N.Chernykh. Voen vest. 43 no 5.89-92 My '64.
Tankmen force a river. A.Gal'tsev. Voen.vest 43 no 5 40-43 My '64.

STREAM MEASUREMENTS

Relative deficit of the mean velocity of unsteady open flow. G.V.Zhelezniakov Trudy MIIT no.176 5-14 '63.

STREET-CLEANING MACHINERY

Models and dimensional series of street-cleaning machines. I.A.Zasov. Stroi.i dor.mash 9 no.3: 24-28 Mr '64.

STREET NAMES see subdivision under Donets Province

STREET SIGNS

New road signs. D Razumkov, V Semenov. Tekh v sel'khoz 24 no 5 92-93 My '64

STRENGTH OF MATERIALS

Effect of impurities on the temperature dependence of the strength of ionic crystals. N.V.Volkova. Fiz.tver. tela 6 no.4 1229-1231 Ap '64.
Effect of natural aging on the yield point. G.B.Talypov. Issl.po uprug.i plast. no.3 246-248 '64.
Mechanical fracture of solid polymers. M.I.Bessonov. Usp.fiz.nauk 83 no.1;107-135 My '64.
Review of A.G.Rubashkin's manual "Laboratory work on the strength of materials for technical schools." A.F. Vybornyi, N.I.Mironov. Sred.spets.obr. 11 no.5: 60-61 My '64.
Some results of stress-rupture tests for textolite. N.T. Smotrin, V.M.Chebanov. Issl.po uprug.i plast. no.3: 258-260 '64.
"Strength of materials" by H.S.Pysarenko and others. Reviewed by H.M.Savin, O.M.Pen'kov Prykl.mekh. 10 no.3;341-342 '64.

Strength of sheet glass and the size factor. F.F.Vitman, V.R.Krautman, V.P.Pukh. Fiz.tver.tela 6 no.4:1089-1095 Ap '64.

Stress-rupture strength of organic glass. N.T.Smotrin, V.M.Chebanov Issl.po uprug.i plast. no.3;252-257 '64.

Tatur, G.K. [Course on the strength of materials] Kurs soprotivleniia materialov. [Minsk], Vysshaia shkola. Pt.2. 1964. 215 p.

Ulitin, N.S. [Strength of materials] Soprotivlenie materialov. Izd.2., perer. Moskva, Vysshaia shkola, 1963. 301 p.

STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC.

Lvov. Politekhnichnyi instytut. [Collection of problems for home work on the strength of materials] Zbirnyk zadach dlia rozrakhunkovykh domashnikh robit z oporu materialiv. L'viv, 1962. 66 p.

STREPTOCOCCUS
(see also subdivision under Volga Valley)
Effect of streptococcal allergen on the course of the Shwartzman phenomenon. S.M.Minervin, L.I. IAroshik. Zhur.mikrobiol.,epid.i immun. 40 no.10: 12-17 O '63.

Protective streptococcal antibodies (M-antibodies) in the serum on tonsillitis patients O.I.Vvedenskaia, G.I. Petrov Zhur.mikrobiol.,epid.i immun. 40 no.10 96-101 O '63.

STREPTOMYCIN

Interaction of streptomycin with chondroitin sulfate and chondromucoprotein. S.M.Bychkov, A.I.Khazanova. Vop.med.khim. 9 no.1 48-56 Ja-F '64.

STRESS (PHYSIOLOGY)

Atherosclerosis in young dogs induced by a prolonged functional stress of the central nervous system. F.S. Khomulo. Dokl.AN SSSR 156 no 4;976-978 Je '64.
Effect of landing overloads on animals submerged in water. G.P.MirolIubov. Probl.kosm.biol. 3;280-296 '64.

Effect of single overloads on the structure of internal organs in experimental animals V.G.Eliseev, IU.N. Kopaev, E.F.Kotovskii. Probl.kosm.biol. 3;297-305 '64.
Study of the bioelectric activity of some regions of the brain under overload. A.N Razumeev, P.M.Suvorov. Probl.kosm.biol 3;306-315 '64.

STRIKES AND LOCKOUTS see subdivision under Asturias, Poland; Singapore

STRIKES AND LOCKOUTS—CONSTRUCTION INDUSTRY see subdivision under Sweden

STRINGED INSTRUMENTS see subdivision under Lithuania

STRIP MINING
(see also subdivision under Krivoy Rog Basin; Kursk Magnetic Anomaly)

Conference on open-pit mining B Bargesian. Prom Arm 7 no 2 65-66 F '64
Economic efficiency of mining practices during the undercutting of strip mines and surface structures by underground mining. IA.I.Beilinov. Nauch.zap. Ukrniiproekta no.10.133-135 '63.
Effect of rock fracturing on the stability of strip mine slopes. N.N.Kuvaev. Nauch.zap.Ukrniiproekta no.10. 25-28 '63.
Effect of the composition of rock mixtures on the stability of rock disposal dumps. L.P.Zagorulko. Nauch. zap.Ukrniiproekta no.10·17-24 '63.
Investigation of combination drilling of boreholes in strip mines. A.F.Sukhanov and others. Nauch.trudy Mosk.inst.radioelek.i gor.elektromekh. 47;30-35 '63
Methods of calculating and compiling profiles of waste disposal dumps. L.P.Zagorulko. Nauch.zap.Ukrniiproekta no.10;5-16 '63.
Optimal size of crushing for the hydraulic conveying of original rock in strip mines. R.N.Chaplin, N.N. Mednikov. Gor.zhur. no.5;23-25 My '64.
Possibilities of using sound measuring to determine slope areas presenting a danger of landslides. A.A. Kovshulia and others. Nauch.zap.Ukrniiproekta no.10: 48-57 '63.
Reducing the labor input in dumping operations on excavation piles. P.P.Pogonialkin, V.A.Rybakov. Gor.zhur. no.5.75-78 My '64.

Resilience constants and mechanical characteristics of rocks of the Kal'makyr open pit mine of the Altyntopkan Combine. M.Kh.Bakiev. Izv.AN Uz.SSR.Ser.tekh. nauk 8 no.1.76-80 '64.
Results of draining the Sibay strip mine. I.V.Voronin, B.G.Permiakov. Gor.zhur. no.5;19-22 My '64.
Seismic effect of large-scale blasting on a rock massif. M.I.Kandyba and others. Nauch.zap.Ukrniiproekta no.10;126-132 '63.
Technical and economic indices for roller bit drilling of boreholes in U.S.S.R. strip mines. A.F.Sukhanov, P.P.Nazarov, B.N.Kutuzov. Nauch.trudy Mosk.inst. radioelek.i gor.elektromekh. no.47;5-10 '63.
Urgent tasks of further developing the theory and technology of hydraulic strip mining. G.A.Nurok. Gor. zhur. no.5;6-10 My '64.

STRIP MINING—STANDARDS

Reconsideration of existing norms for exploring and planning strip mines. IU.N.Maliushitskii. Nauch. zap.Ukrniiproekta no.10;3-4 '63.

STRITMATTER, ERWIN, 1912-

"Ole Bienkopp" in Weimar. Raisa Orlova, Lev Kopelev. Nov vrem. 21 no.22 26-29 My '64.

STRONTIUM

Separation of barium and strontium by the exchange method in the system amalgam - solution. B.P. Kiselev and others. Radiokhimiia 6 no.1;114-117 '64.

STRONTIUM—ANALYSIS

Determining calcium and strontium in barium hydroxide. V.N.Alferova, L.I.Sorikova. Khim.prom.[Ukr.] no.4;68-70 O-D '63.

STRONTIUM BORATES

Crystal structure of the monoclinic modification of $SrB_2O_4.4H_2O$. V.B.Kravchenko. Zhur.strukt.khim. 5 no.2;317 Mr-Ap '64.

STRONTIUM ISOTOPES

Separation of strontium-90 and yttrium-90 with the aid of gelatin foam. V.V. Pushkarev, V I. Bagretsov, V.D Puzako. Radiokhimiia 6 no 1 120-121 '64

Study of complex formation in melts by the method of isomorphic crystallization in the systems $PbCl_2$ - $Sr^{*}Cl_2$ - RbCl and $PbCl_2$ - $Sr^{*}Cl_2$ - CsCl V R. Klokman, N.S. Kolesnikova. Radiokhimiia 6 no 1 11-18 '64.

STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Appearance of multiple neoplasms in dogs under the influence of Sr^{90} Z I Poluboiarinova, V N. Strel'tsova Vop onk 8 no 11 16-20 '62

Change in the calcium content and alkaline phosphatase activity of blood serum under the influence of the chronic action of strontium-90 A.A Mirzoian. Vop.radiobiol [AN Arm SSR] 3/4:133-139 '63.

Change in the submicroscopic structure of bone marrow cells in the early stages of radiation sickness induced by radioactive strontium. O.A.Khomutovskii. Dokl. AN SSSR 156 no.4:945-946 Je '64

Effect of the chronic injection of strontium-90 on the sugar content of blood and glycogen in liver. A.V. Fedorova, A.A. Mirzoian Vop.radiobiol.[AN Arm. SSR] 3/4:121-125 '63.

STRONTIUM OXIDES

Nature of the conductance of solid solutions Bi_2O_3 - SrO. A.D.Neuimin and others. Trudy Inst.elektrokhim. UFAN SSSR no.4:111-115 '63

STROPHANTHIN

Effect of Russian strophanthin K on the secretory function of the stomach. N.Kosymov, I.Fatkhullaev. Trudy Inst.kraev.eksper.med. no.5 173-174 '63.

Effect of strophanthin K on some factors of blood coagulation. I. Fatkhullaev, M.Khanov. Trudy Inst. kraev.eksper.med. no.5:169-172 '63.

Some pharmacological data on Russian strophanthin K. N.S. Kel'gimbaev, I. Fatkhullaev. Trudy Inst.kraev. eksper.med. no.5 158-160 '63.

STRUCTURAL ENGINEERING

Raamet, Raimond. [Structural mechanics] Ehitusmehaanika. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 1 [The statics of frame construction] Varraskonstruktsioonide staatika. 1964. 813 p.

STRUCTURAL FRAMES

Effect of the eccentricity of force application on the value of limiting load of a frame. H.M. Pinskor Prykl.mekh. 10 no.3;283-290 '64.

STRUCTURAL FRAMES—WELDING

Okerblom, N.O. [Engineering and technological design of welded structures] Konstruktivno-tekhnologicheskoe proektirovanie svarnykh konstruktsii. Moskva, Izd-vo "Mashinostroenie," 1964. 418 p.

STRUCTURAL GEOLOGY see Geology, Structural

STRUCTURAL STEEL see Steel, Structural

STRUVE, VASILII VASIL'EVICH, 1889-

Academician V.V.Struve's seventy-fifth birthday. Vest. drev.ist. no.1:218-220 '64.

STRYCHNINE

Effect of some pharmacological substances on the electric activity of the cerebral cortex in ontogenesis. T.D. Dzavrishvili. Trudy Inst.fiziol.AN Gruz.SSR 13:77-88 '63.

Origin of generalized epileptiform discharges in the cerebral cortex. N.IU.Belenkov, V.D.Chirkov. Zhur. vys.nerv.deiat. 14 no.1:68-76 Ja-F '64.

STRYCHNINE—TOXICOLOGY

Effect of vincanine and strychnine on tissue respiration. M.B.Sultanov, N.N.Nigmatov, T.A.Egorova. Uzb. biol.zhur. 7 no.6:54-57 '63.

STUDENT ACTIVITIES

Night school students as the heads of study rooms. IU.A. Viatkin, S.N.Gatiatullin. Sred.spets.obr. 11 no.5: 35-36 My '64.

STUDENT EMPLOYMENT

Organization of students' work and their wages. I.A. Rakhmanin. Shkola i proizv. 8 no.7:75-76 Jl '64.

Replies to our readers. Sov.profsoiuzy 20 no.9:45 My '64.

STUDENT HOUSING—FINANCE

Expenditures on ensuring auditors with dormitories. Sots.trud 9 no.5:139 My '64.

STUDENT TEACHING see subdivision under Kazakhstan

STUDENTS' SOCIETIES see subdivision under Azerbaijan

STUPINO (MOSCOW PROVINCE)—COMMUNIST YOUTH LEAGUE

Orlov, V.N. [A club of interesting meetings] Klub interesnykh vstrech. [Moskva] Mosk. rabochii, 1964. 66 p.

STURGEONS see subdivision under Caspian Sea; Don River; Volga River

STYRENE

Condensation of hexachlorocyclopentadiene with α-methylstyrene IU G Mamedaliev, M M Guseinov E M. Treivus Dokl AN Azerb SSR 20 no 2 11-14 '64

Effectiveness of the replacement of styrene by α-methylstyrene in the production of synthetic latexes V.IA Rozova. Trudy LIEI no.46 47-50 '63

Relative activities of monomers in the copolymerization of glycidyl methacrylate with styrene. Vysokom.soed. 6 no.5 798-802 My '64.

Some properties of sulfostyrene cation exchangers and their performance in a neutral and weak acid region B.K. Preobrazhenskii, O.M. Lilova. Radiokhimiia 6 no.1 128-130 '64

STYRENE POLYMERS

Composition inhomogeneity and fractionation of styrene copolymer with methyl methacrylate. V.E.Eskin and others. Vysokom.soed. 6 no.5.896-900 My '64.

Effect of kaolin on the properties of polymethyl methacrylate and polystyrene IU.G. Tarasenko, I.A. Uskov, V.P.Solomko. Ukr.khim.zhur. 30 no.1.86-90 '64.

Effect of the addition of emulsifying agents on the course of the emulsion polymerization of styrene. G.D. Berezhnoi and others. Vysokom.soed. 6 no.5 891-895 My '64.

Preparation and processing of foam polystyrol in the manufacture of various goods. M V.Alekseev. Khim. prom.[Ukr.] no.4:29-32 O-D '63.

Quantitative determination of the stereoregularity of polystyrene by means of infrared spectroscopy. E.I. Pokrovskii, E F.Fedorova. Vysokom soed 6 no 4: 647-651 Ap '64

Ratio of Huggins constants for monodisperse and heterodisperse solutions of polystyrene and poly-α-methylstyrene. Z.A Machionis, B V. Erofeev. Dokl. AN BSSR 8 no 1 237-240 Ap '64.

SUBLIMATION (PHYSICAL SCIENCE)

Effect of interface movement in capillary-porous and colloid bodies on heat and mass transfer process during the sublimation of ice in a vacuum K.B. Gisina, R.I. Shofer. Inzh -fiz.zhur 7 no.5.34-38 My '64.

Laminar boundary layer near a sublimating surface. B.V. Alekseev. Zhur.vych.mat.i mat.fiz. 4 no.3: 512-524 My-Je '64.

SUBMARINE BOATS

Life and work of Kazimir Charnovskii, an early Russian inventor of submarine boats. G.A.Grechkin. Uch.zap. Velikoluk.gos.ped.inst. no.22:60-71 '63.

Our submarine is foremost. K. Makarov and others. Komm Vooruzh.Sil 4 no.9 51-60 My '64.

SUBMARINE GEOLOGY see subdivision uner Caspian Sea

SUBSIDENCES (EARTH MOVEMENTS) see subdivision under Golodnaya Steppe

SUBSTITUTION (CHEMISTRY)

Possibility of preparing nitrodeoxycellulose by nucleophilic substitution. N.Kholmuradov and others. Vysokom.soed. 6 no.5:963 My '64.

Problem of intramolecular donor-acceptor interaction. L.P.Zalukaev, B.I.Mikhant'ev, E.A.Zalukaeva. Dokl. AN SSSR 156 no.5.1109-1111 Je '64.

Recent data on the mechanism of substitution reactions in organic chemistry. O.A.Reutov. Vest.AN SSSR 34 no.5:57-64 My '64.

SUBWAYS see subdivision under Moscow

SUDRABKALNS, JANIS, 1894-

Trofimovs, Rems. [Janis Sudrabkalns; a critical and biographical study] Janis Sudrabkalns; kritiski biografiska apcerejums. Riga, Latvijas PSR Zinatnu akademijas izd-ba, 1963. 127 p. [In Latvian]

SUETONIUS TRANQUILLUS, C.—BIBLIOGRAPHY see Bibliography—Suetonius Tranquillus, C.

SUGAR

Selection and substantiation of the method for determining the degree of dispersion of powdered sugar. L.D. Knopova. Khleb.i kond.prom. 7 no.12:9-13 D '63.

SUGAR BEET MACHINERY

Down-the-row thinner of sugar beet sprouts. P.P. Antoniuk, N.IA.Burdiugov. Biul.tekh.-ekon.inform. Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.5: 47-49 My '64.

Modernization of the equipment of elevated sugar beet storage bins. A.A.Borisovich, L.P.Sofroniuk. Sakh. prom. 38 no.4:15-16 Ap '64.

SUGAR BEETS

(see also subdivision under Estonia; Krasnodar Territory; Kuban; Lipetsk Province; Tatar A.S.S.R.; Virgin Territory)

Heterogeneity of fruits in monospermous sugar beets. S.E.Gomoliako. Vest.sel'khoz.nauki 9 no.2.102-108 F '64.

More attention should be paid to the procurement and storage of sugar beets harvested by the continuous method Sakh prom 38 no.4 62-63 Ap '64

Storage and processing of sugar beets grown according to the new technology V V Ivanov, IU M Poliakov Sakh prom 38 no.4 47-52 Ap '64

Sugar beet crushing during the unloading Sakh prom 38 no 4 65 Ap '64.

Using herbicides in sugar beet fields. A.V.Voevodin. Khim v sel'.khoz. 2 no.1:47-49 Ja '64.

SUGAR BEETS—CLEANING

Cleaning of sugar beets on the loading and unloading machinery V A Novikov, N M Kichigin, V.S IAtsenko Sakh prom 38 no 4 26-31 Ap '64

SUGAR BEETS—DISEASES AND PESTS

Method of controlling the spinach leaf miner. G.E. Osmolovskii. Zashch.rast.ot vred.i bol. 9 no.5:11 '64.

SUGAR BEETS—FERTILIZERS AND MANURES see subdivision under Alma-Ata Province; Ukraine

SUGAR BEETS—STORAGE

Modernization of the equipment of elevated sugar beet storage bins A A.Borisovich, L P Sofroniuk Sakh prom 38 no 4 15-16 Ap '64.

Physical condition of the environment in sugar beet storage in piles M Z.Khelemskii, N T.Poedinok Sakh prom 38 no 4 43-47 Ap '64

SUGAR BEETS—WATER REQUIREMENTS see subdivision under Volga Valley

SUGAR BEETS AS FEED

Sugar beets in swine feeding. I.A.Danilenko, G.A. Bogdanov. Nauch.trudy Nauch.-issl.inst.zhiv.Les. i Pol. 32 65-90 '62.

Using sugar beets during the finishing and fattening of cattle with corn silage. I.L.Semak, N.I.Mosolov. Nauch.trudy Nauch.-issl.inst.zhiv.Les i Pol. 32. 29-32 '62.

SUGAR FACTORIES

For an efficient utilization of steam Sakh.prom 38 no.4 63-64 Ap '64

SUGAR FACTORIES—MANAGEMENT

Save the electric power in sugar factories B.I.Bulgakov Sakh.prom. 38 no 4:34-36 Ap '64

SUGAR IN THE BODY

Level of the sugar content in the rumen of growing calves. T.Nesipbaev. Izv.AN Kazakh.SSR.Ser.biol.nauk 2 no.1:93-97 Ja-F '64.

SUGAR INDUSTRY

(see also subdivision under European Economic Community Countries; Krasnodar Territory; Ukraine)

Application of mathematical methods and electronic calculating machines in sugar industry planning P.IA. Ivanov, A.V.Stakun Sakh.prom 38 no.4:37-42 Ap '64

Greater attention should be given to the work of young people N.Kovalenko. Sakh.prom 38 no.4.1-3 Ap '64.

Mechanical devices for catching the impurities from flume water. B M.Shakhnovich. Sakh prom. 38 no 4:17-19 Ap '64.

Need for the organization of sections of the Control-Measurement Station and automation in sugar factories. M.I.Rybalkin. Sakh prom. 38 no 4 32-34 Ap '64.

SUGAR INDUSTRY—MANAGEMENT

Introduce a uniform system for planned preventive maintenance and repair in the sugar industry. V.A.Serdiuk, A P.Kostyrin, M.I.Rybalkin. Sakh.prom. 38 no.4 4-7 Ap '64

SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Cherkassy

SUGAR MACHINERY—MAINTENANCE AND REPAIR

Introduce a uniform system for planned preventive maintenance and repair in the sugar industry. V.A Serdiuk, A.P.Kostyrin, M.I.Rybalkin. Sakh.prom. 38 no.4:4-7 Ap '64

SUGAR MANUFACTURE

Centrifugation of the third product massecuite on high-speed centrifuges. N T.Tombaev, IU.N.Kuz'min. Sakh prom. 38 no.4:59-60 Ap '64.

Complete automation of defecation-saturation operations. V.P.Lysikov, A G.Rudenok. Sakh.prom. 38 no.4: 20-24 Ap '64.

Effect of the amount of crystals on the degree of exhaustion of the intracrystal molasses of the massecuite of the last product I.N.Akindinov. Sakh.prom 38 no.4:10-13 Ap '64

New handbook for sugar manufacturers. G.S.Benin. Sakh.prom 38 no 4.69-72 Ap '64.

Some observations concerning the automation of sugar manufacture (made by the "Sakhavtomat" Factory). Sakh.prom 38 no 4 24-26 Ap '64.

Develop and introduce P. Zenkin Sov profsoiuzy 20 no. 13 4-6 Jl '64

Disseminate progressive practice among all workers Sov profsoiuzy 20 no 11 6-7 Je '64

Replies to the editor Fin SSSR 36 no 5 70 My '64

SUKHUM—MONKEYS AS LABORATORY ANIMALS

Lapin, B. A., and E P. Linin. [Monkey farm in Sukhum] Obez'ian'ii pitomnik v Sukhumi Moskva, Meditsina, 1964 53 p (Nauchno-populiarnaia meditsinskaia literatura)

SULFAMIDE

Transformations of N,N-di(β-cyanoethyl)arylsulfamides. P.F.Butskus, R.IU.Stonite Zhur.ob khim. 34 no.3: 1034 Mr '64

SULFANILAMIDE

Halogenation of heterocyclic amines. TS I Shakh Farm atsev zhur 14 no.4 28-31 '59.

Use of sulfanilamides combined with antibiotics and the advantage of sulfapyridazine, a sulfanilamide of prolonged action E. A. Govorovich, A M. Marshak. Sov med. 27 no. 10 19-25 O '63.

SULFANILIDE

Mechanism of the acid hydrolysis of substituted benzenesulfanilides. N. P. Lushina, IA P. Berkman. Dokl. LPI 5 no 1/2 3-6 '63.

Methods of investigating the kinetics of acid hydrolysis of substituted benzenesulfanilide. N. P. Lushina. Dokl, LPI 5 no. 1/2 37-40 '63.

SULFATES

Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 3; Sulfate solutions. V.I.Tikhomirov, A.A.Kuznetsova, E.D.Batorovskaia. Radiokhimiia 6 no.2;187-191 '64

SULFIDES

(see also subdivision under Siberia, Western)

Dipole moments of mercury bromide complexes with organic sulfides. N.K Faizullina, E.N.Gur'ianova Zhur.ob khim. 34 no.3;941-946 Mr '64.

Effect of iron salts on the adsorption of xanthates with sulfides L. A Ilazunov, O. A Ratnykova. Izv. AN Uz. SSR Ser. tekh. nauk 8 no. 1 81-84 '64.

SULFIDES—METALLURGY

Leaching in iron salts of complex metal sulfide concentrates and semifinished products. V. E. Klets, R. M. Vygoda, A. P. Serikov. Trudy IPI no. 18 27-30 '63.

Physicochemical principles of saline and acid leaching of sulfide materials. Trudy IPI no. 18 14-25 '63.

SULFITES

Formation of aldehydes and higher alcohols by the yeasts Saccharomyces vini, Sacch. carlsbergenesis and Sacch. cerevisiae in the presence of sulfites in the fermentated medium [with summary in English]. I. IA. Veselov, A. G. Kann, I M Gracheva. Mikrobiologiia 32 no 4: 610-615 Jl-Ag '63.

SULFONAMIDES

Preparation in insoluble (in water) arylides of 2, 3-hydroxynaphthoic acid containing sulfonamide bonds. M. P. Romashkin, Dokl. LPI 5 no. 1/2 182-187 '63.

Preparation of polysulfonamide diazo constituents. M. L. Shevchenko. Dokl. LPI 5 no. 1/2;92-95 '63.

SULFONES

Preparation of cation exchangers based on 4, 4' dihydroxydiphenylsulfone. L. M Shuter. Dokl. LPI 5 no. 1/2 7-10 '63.

SULFONIC ACIDS

German, A. L., and R. B. Kolbasova. [Petroleum sulfo acids; their production and use] Neftianye sul'fokisloty; proizvodstvo i primenenie. Moskva, Izd-vo "Khimiia," 1964. 143 p. (Obmen proizvodstvennym opytom)

Preparation of diazo constituents derivatives of paraphenylenediaminesulfonic acid. M. L. Shevchenko, IA. P. Berkman. Dokl. LPI no. 1/2;59-64 '63.

Studying the possibility of pr ucing and using certain salts of aromatic sulfonic acids. E. A. Abarenkova, A. K. Guman. Trudy LIEI no. 46;92-95 '63.

Synthesis of sodium isodecyl toluene sulfonate on a base of amylene dimers. L A Potolovskii, L. I. Kostikin Trudy VNII NP no 9 170-176 '63

Synthesizing sodium alkylbenzene sulfonate (NP-3 sulfonol) on a base of olefins obtained in the thermal cracking of paraffin. A I Doladugin and others. Trudy VNII NP no 9 95-109 '63.

Synthesizing sodium alkylbenzene sulfonates (sulfonol NP-1) on a base of propylene polymers. L. A. Potolovskii, A I Doladugin, I. F Blagovidov Trudy VNII NP no 9 110-170 '63

SULFONYL CHLORIDES

Effect of the structure and polarity of the medium on the rate and mechanism of hydrolysis of aromatic sulfochlorides. R. V. Vizgert, E. K. Savchuk. Dokl. LPI 5 no. 1/2;29-33 '63.

and others. Dokl AN Arm SSR 38 no. 5 301-304 '64

SULFUR—PHYSIOLOGICAL EFFECT

Effect of substances containing sulfur on the growth and technological properties of wool S I Bugaienko, O I Kruk Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 16-20 '63

SULFUR BACTERIA see Bacteria, Sulfur

SULFUR BONDING

X-ray spectral examination of the chemical bonding in sulfur compounds. M. A. Blokhin, A. T. Shuvaev, V V. Gorskii. Izv. AN SSSR. Ser. fiz. 28 no. 5.801-804 My '64

SULFUR DIOXIDE

Absorption of sulfur dioxide by water in a scrubber with jet nozzle plates. I G. Plit. Khim. prom [Ukr] no.4 50-52 O-D '63.

Design of contact units with adiabatic beds of a catalyst for the oxidation of sulfur dioxide. V. S. Beskov, IA. M. Buzhdan, M. G. Slin'ko. Khim. prom. no. 10.721-724 O '63.

Mechanism of the electroreduction of sulfur dioxide on platinum. G. L. Klianina, A. I. Shlygin. Zhur. fiz. khim. 36 no. 9.1849-1853 S '62.

SULFUR ISOTOPES see subdivision under Kuybyshev

SULFUR METABOLISM

Role of the digestive apparatus in sulfur utilization by sheep fed inorganic sulfur. E. P. Pshenichnaia. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32;54-59 '62.

SULFUR ORGANIC COMPOUNDS

Iodochlorometric determination of preparations containing thio and mercapto groups. L. I. Rapaport, V. F. Raznatovs'ka. Farmatsev. zhur. 15 no. 5;22-30 '60.

SULFURATION

Effect of preliminary sulfatizing roasting on the recovery of copper from oxidized and mixed copper ores. A. I. Orlov, G. A. Kopylov. Trudy IPI no. 18.48-55 '63.

Investigating the sulfatizing roasting of Transbaikalia copper ores. Report No. 1. V. N. Kriukova, IU. V. Rumiantsev, F. M. Bolondz'. Trudy IPI no. 18;56-64 '63.

Investigating the sulfating roasting of Transbaikalia copper ores. Report No. 2 F. M. Bolondz', IU. V. Rumiantsev, V. N. Kriukova. Trudy IPI no. 18;65-70 '63

SULFURIC ACID

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No. 1. M. L. Varlamov and others. Nauch. zap. Od. politekh. inst. 40;24-33 '62.

Analyzing the ammonia method for the removal of nitrogen oxides from the exhaust gases of a nitrose tower sulfuric acid system. Report No. 2. M. L. Varlamov and others. Nauch. zap. Od. politekh. inst. 40;34-44 '62

State of small additions of nitromethane in aqueous solutions of sulfuric and hydrochloric acids. IU. L. Khaldna and others. Zhur. fiz. khim. 38 no. 4;863-870 Ap '64.

SULFUROUS ACID

Features of high-temperature roasting of sulfide ores. A. P Shurygin. Trudy MEI no. 48 173-186 '63

SUMMER SCHOOLS see subdivision under Kaariku (Estonia); Kanev (Ukraine)

SUN

Possible reasons of the inconstancy in the relationship of the sun and the atmosphere. B. A. Sleptsov. Probl. Arkt. i Antarkt. no. 16;69-74 '64.

SUN—CORONA

Energy balance in the transition area between the chromosphere and corona. M. A. Livshits. Astron. zhur. 41 no. 3;473-481 My-Je '64.

Forbidden transition lines related to the first excited sp^2 configurations in isoelectron coronal sequences. Quadrupole transitions in sp^2 configurations. A. A. Nikitin, O. A. IAkubovskii. Dokl. AN SSSR 156 no. 4; 760-762 Je '64.

Spectra of coronal ions connected with sp^3 configurations. A. A. Nikitin. Astron. zhur. 41 no. 3;482-484 My-Je '64.

Structure of the solar supercorona. V. V. Vitkevich. Dokl. AN SSSR 156 no. 5;1065-1067 Je '64.

SUN—OBSERVATIONS

Method and preliminary measurements of the fluctuation of the solar limb image. V. N. Bovsheverov, M. A. Kallistratova. Astron. zhur. 41 no. 3;550-554 My-Je '64.

SUNFLOWERS see subdivision under Don Valley; Kabardino-Balkar A.S.S.R.; Krasnodar Territory

Diamagnetic ejection of gas concentrations from sunspot areas. M. A. Livshits, S. B. Pikel'ner. Astron. zhur. 41 no. 3 464-472 My-Je '64.

SUPERCHARGERS

Graphic analysis of the simultaneous operation of superchargers. I. A. Chernov. Trudy IPI no. 18:186-190 '63.

Supercharging of engines. I. A. Chernov. Trudy IPI no. 18.177-185 '63.

SUPERCONDUCTIVITY

Superconductivity in electrical engineering. O. B. Bul'. Elektrichestvo no. 5:85-88 My '64.

Superconductivity of an electron system with singlet or triplet pairs. S. V. Vonsovskii, M. S Svirskii. Zhur. eksp. i teor. fiz. 46 no. 5:1619-1631 My '64

SUPERCONDUCTORS—MAGNETIC PROPERTIES

Calculating the penetration depth and thermoelectric effect for anisotropic superconductors. V. A. Litovchenko. Fiz. tver. tela 6 no. 4:1051-1061 Ap '64

SUPERCONDUCTORS—THERMAL PROPERTIES

Heat conductivity of superconductors in the intermediate state. A. F. Andreev. Zhur. eksp. i teor. fiz. 46 no. 5: 1823-1826 My '64.

SUPERCONDUCTORS—THERMOELECTRIC PROPERTIES

Calculating the penetration depth and thermoelectric effect for anisotropic superconductors. V. A. Litovchenko. Fiz. tver. tela 6 no. 4:1051-1061 Ap '64.

SUPERHEATED STEAM see Steam, Superheated

SUPERHEATERS

Operation of superheaters from austenitic steel in boilers with 100 atm. and steam temperatures from 565 to 580° C. M. E. Zaidman, D. K. Mironov. Energomashinostroenie 10 no. 4;30-33 Ap '64.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPPLY AND DEMAND

(see also subdivision under Czechoslovakia)

Correlation and interdependence of production and consumption during the large-scale building of communism. A. I. Grebnev. Vest. Mosk. un. Ser. 8: Ekon., filos. 19 no. 2;15-26 Mr-Ap '64.

Correlation between the supply and demand as a factor in price determination. V. Budaragin. Vop. ekon. no. 5: 54-63 My '64.

Kornienko, V. T. [Prices and consumers' demand; influence of price on consumers' demand, and the methodology of planning prices for consumers' goods] TSeny i potrebitel'skii spros; voprosy vozdeistviia tseny na tovary narodnogo potrebleniia. Moskva, Ekonomika, 1964. 126 p.

Methods for determining the demand for goods. N. Kononov. Sov torg 36 no 6 5-11 Je '63.

SUPPURATION

Bactericidal properties of the skin in pyodermatitis [with summary in English]. F. S. Malyshev. Vest. derm. i ven. 37 no. 6;22-26 Je '63.

Changes in the functions of the gastrointestinal tract during experimental suppurative processes in horses. V. N. Kviatkovskii. Trudy AZVI 12 526-535 '61

Clinical significance of the changes in some indicators of protein and lipid metabolism in patients with suppurative lung diseases. V. I. Semenov, P. M. Savonkov. Sov. med. 27 no. 10.12-19 O '63.

Clinicoanatomical comparisons of renal changes in suppurative processes in the body. T. A. IAnbaeva, N. A. Talikov. Khirurgiia 39 no. 8.96-100 Ag '63.

SURFACE-ACTIVE AGENTS

Absorbed quantities of organic substances calculated from the measurements of mercury electrode impedance. G. A. Tedoradze, R. A. Arakelian. Dokl. AN SSSR 156 no. 5;1170-1173 Je '64.

Clearing away sand plugs using aerated fluid with a surfactant additive. A. D. Gorepekin, V. I. Khabasakhalov. Nefteprom. delo no. 4;13-17 '64.

Effect of water soluble surfactants on the capillary properties of reservoir systems. Sh. K. Gimatudinov, V. A. Nikolaev. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 3;43-47 '64.

Experimental basis for the permissible concentrations of OP-7 and OP-10 surface-active substances in bodies of water. O. E. Goeva. San. okhr. vod. ot zagr. prom. stoch. vod. no. 5;233-251 '62.

Preparing petroleum for refining. A. G. Gobzhila, F. S. Popesku. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 11:71-74 '62.

SURFACE CHEMISTRY

Effect of a molten metal media on the mechanical properties of steel. I. V. Andreev, V. F. Gorshkov, IA. M. Ditiatkovskii. Metalloved. i term. obr. met. no. 5:52-54 My '64.

Effect of the surface on the mechanism of chain propagation during oxidation of n-butane in the gas phase. IU. D. Norikov, A. V. Bobolev, E. A. Bliumberg. Izv. AN SSSR. Ser. khim. no. 5;826-831 My '64.

[illegible]

[illegible] RETAIL TRADE—FINANCE

[illegible]

[illegible] WAGES—MACHINERY INDUSTRY [illegible]

[illegible]

[illegible] STATE FARMS

[illegible]

[illegible] STATE FARMS—LABOR [illegible]

[illegible]

[illegible] FOREIGN RELATIONS—RUSSIA

[illegible], A. A. [Russo-Swedish relations and the policy of the Great Powers from 1721 to 1725] [illegible]

[illegible]

[illegible] STRIKES AND LOCKOUTS—CONSTRUCTION INDUSTRY

[illegible]

SWIMMING

Mandre, J., ed. [Swimming, from antiquity to our day] Ujumine, minevikust tanapaevani. [By] K. Arusoo ja teised. Tallinn, Eesti Riiklik Kirjastus, 1963. 472 p. illus [In Estonian]

SWINE see subdivision under Estonia, Kazakhstan, Lithuania; Shemonaikha District

SWINE—DISEASES AND PESTS
(see also subdivision under Smolensk Province)

Experiments in studying the etiology of infectious atrophic rhinitis of swine V D Egorova, V I Zubchenko. Trudy Smol NIVS no 2:276-290 '62

Prophylactic and therapeutic action of some antibiotics in infectious atrophic rhinitis of swine V I Zubchenkov Trudy Smol NIVS no 2:291-298 '62

Studying the diseases caused by insufficient nutrition of young pigs under experimental conditions I. V Petrukhin. Trudy Smol NIVS no 2;59-102 '62

Tilga, Voldemar. [Infectious atrophic rhinitis in swine] Sigade nakkav atroofiline riniit. Tallinn, Eesti Riiklik Kirjastus, 1963. 52 p. [In Estonian]
(DNAL)

SWINE—FEEDING AND FEEDS
(see also subdivision under Ukraine)

Digestion and protein metabolism in swine fed mixed feeds. A. M. Starovoitov. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32 100-111 '62.

Effect of some macro- and microelements on the growth and development of weaned young pigs I. V. Petrukhin. Khim. v sel' khoz 2 no. 1;50-53 Ja '64

Effect of the method of preparing feeds for feeding on the productivity of swine during rearing and fattening. I. A. Danilenko, L. IA. Admina. Nauch. trudy Nauch.-issl. inst. zhiv. Les. i Pol. 32,112-116 '62.

Feed kitchen with the fermentation of feeds I Sushko Tekh v sel'khoz 24 no 5 30-31 My '64

Studying the effectiveness of antibiotics of the tetracycline series in raising young pigs. D N Rubtsov Trudy Smol NIVS no. 2:172-187 '62

Studying the effectiveness of the use of compound feed antibiotics in growing young pigs. D N Rubtsov Trudy Smol NIVS no 2;188-194 '62

Sugar beets in swine feeding. I. A. Danilenko, G A. Bogdanov. Nauch. trudy Nauch.-issl. inst. zhiv. Les i Pol. 32;65-80 '62.

SWINE—PARASITES see Parasites—Swine

SWITCHING CIRCUITS

Ivanova, O. N. [Use of electronic commutation in automatic telephony] Primenenie elektronnoi kommutatsii v avtomaticheskoi telefonii; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 166 p.
[[MICROFILM]]

SWITCHING THEORY

Coding of transition matrix lines. IU. I Ostrovskii. Avtom. i telem. 25 no. 3;382-393 Mr '64.

SWOSZOWICE, POLAND—PALEOBOTANY, STRATIGRAPHIC

Tortonian flora of Swoszowice. I. A. Il'inskaia. Trudy Bot. inst. Paleobot Ser 8 no 5:113-144 '64.

SYENITE see subdivision under Sayan Mountains

SYLVINITE
(see also subdivision under Solikamsk region)

Effect of saline folding on the distribution of potassium chloride in sylvinite seams of the Upper Kama deposit V. I. Kopkin, L. A. Ledentsov. Nauch. trudy PermNIUI no. 4 24-29 '62.

SYMBIOSIS

Isolation of symbiotic typhoid phages and some of their properties. R. I. Pikovskaia, M. G. Gelashvili. Zhur. mikrobiol., epid. i immun. 40 no. 6;91-95 Je '63.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPATHOMIMETIC AGENTS

Effect of adrenomimetic agents on some biochemical and physical indices of the blood in horses V. I Zubchenkov. Trudy Smol. NIVS no 2;128-139 '62.

Interaction of unithiol with sympathomimetic agents. F. P. Trinus. Farmatsev. zhur. 15 no. 4: 55-58 '60.

Pharmacology of adrenaline and its substitutes. V. I. Zubchenkov. Trudy Smol. NIVS no. 2;148-171 '62

SYMPHONY ORCHESTRAS
(see also subdivision under Moscow)

Ivalo, R. [Let's talk about a symphony orchestra. Vestelgem sumfooniaorkestrist. Tallinn, Eesti Riiklik Kirjastus, 1963. 87 p. (Kultuuruulikool) [In Estonian]

SYNOVIAL MEMBRANES

Some materials on the localization of the synovial villi of carpal and tarsal joints in horses. Zh O Omarov. Trudy AZVI 12 466-473 '61.

SYNTHESIS

Synthesis of certain derivatives of the ester oxides of Δ^3-cyclohexene carboxylic acid L A Mukhamedova, G V Lepliavin, M I Kudriavtseva Neftekhimiia 4 no 1 100-105 Ja-F '64

SYNTHETIC DRUGS

Book reviews and bibliography. Farmatsev. zhur. 15 no. 5 95 '60.

SYNTHETIC PRODUCTS

Conference on problems of the present state and prospects for the introduction of synthetic materials in shipbuilding. Sudostroenie 30 no 5 68 My '64.

Chemistry and clothing V. Popkov, V. Fedeniuk. Sov. torg 37 no. 1 11-14 Ja '64

Each enterprise should have a concrete plan of industrial chemicalization A. D. Kuznetsov Sudostroenie 30 no. 5;68-69 My '64.

Introducing synthetic products instead of food produce. R. D. Matevosov. Biul tekh.-ekon. inform Gos. nauch-issl. inst. nauch. i tekh. inform. 17 no 5.20-22 My '64

Kardashov, D. A. [Synthetic adhesives] Sinteticheskie klei. Moskva, Izd-vo "Khimiia," 1964. 494 p.

Kuz'min, F. M. [Use of synthetic materials in ship repairs] Opyt primeneniia sinteticheskikh materialov v sudoremonte. Moskva, Izd-vo "Transport," 1964. 74 p.

Polymeric materials for bridges. V. S. Artamonov. Put' i put. khoz 8 no. 5 15-17 My '64.

Prospects of using synthetic materials in the manufacture of boilers D I Grekov and others Teploenergetika 11 no 3 28-32 Mr '64

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYNTHETIC TRAINING DEVICES

Parachute trainer. K Ovsiannikov. Tekh. i vooruzh. no. 1 44-46 Ja '64.

Training aid for technical classes E. Kozlovich. Tekh i vooruzh no. 1,44-46 Ja '64.

SYNTHINE PROCESS

Promoting effects of zirconium dioxide on a cobalt catalyst in the synthesis of higher hydrocarbons from CO and H under atmospheric pressure IA T Eidus, T F. Bulanova, N. S. Sergeeva Neftekhimiia 4 no 1; 61-67 Ja-F '64

SYPHILIS—DIAGNOSIS

Experience in the use of cow serum instead of immune rabbit hemolysin in the complement fixation reaction. L. S. Reznikova, O. A Stoianova. Zhur. mikrobiol., epid. i immun. 40 no 6:119-121 Je '63.

Significance of laboratory studies in the control of venereal diseases. N. M. Ovchinnikov Vest. derm. i ven. 37 no. 6;48-52 Je '63.

SYRIA—ARABIC LANGUAGE—DIALECTS

Broadening the analytic sphere of modern Arabic dialects; from materials on the Egyptian, *Syrian, and* Iraqi dialects. G Sh. Sharbatov. Krat. soob Inst. nar. Az. *no* 72;54-58 '63

SYRIA—HISTORY

Struggle of the Hittites for northern Syria during the period of the Ancient Empire. *G. G. Giorgadze. Vest.* drev. ist. no. 1;3-22 '64.

SYR DARYA VALLEY—SALINE AND ALKALI SOILS

Using a permanent electric current for eliminating the Solonetz and salinized characteristics of soils. E. G. Aibasov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4;23-27 Ap '64.

SYSTEM ANALYSIS

Some principles of L. Bertalanffy's general theory of systems. A. S Mamzin. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 5;211-222 '64.

SYSTEMS (CHEMISTRY)

Classification of diagrams of state of binary metallic systems in accordance with their atomic interaction forces. M. V. Vasil'ev. Zhur. fiz. khim. 38 no. 4; 871-877 Ap '64.

Experimental verification of the Onsager equations. P. IA. Siver. Zhur. fiz. khim. 36 no. 9;1947-1951 S '62.

Investigating the properties of alloys in the system *Al - Mg - Si. N. M. Edel'man*, I. N. Fridliander, *Z.* I Starostina. Alium. splavy no. 3;5-26 '64.

Isothermal *cross sections* of the cyclenes - water systems. A. N. Guseva, E. I. *Parnov. Vest. Mosk. un. Ser.* 2: Khim. 19 no. 1;77-78 Ja-F '64.

Isotherms of solubility of aluminum oxide in the *system* $Na_2O - CaO - Al_2O_3 - SiO_2 - H_2O$. V. S. Sazhin and others. Ukr. khim. zhur. 30 no. 1;3-8 '64.

Mechanism of the isotopic exchange of oxygen in the systems gas - solid at high temperatures. V. G. Finikov. *Zhur. fiz. khim.* 38 no. 4;833-838 Ap '64.

New compounds in the system $Bi_2O_3 - Me_2O_3(Fe^{3+}, Al^{3+}, Ga^{3+}, Mn^{3+})$. A. G. Tutov and others. Fiz. tver. tela 6 no. 4:1240-1242 Ap '64.

"Phase equilibria in multicomponent systems" by L. S. Palatin, A. I Landau. V. IA. Anosov. Zhur. fiz. khim. *36 no. 9;2106-2107 S '62.*

Study of complex formation in melts by the method of isomorphic crystallization in the systems $PbCl_2 - SrCl_2 - RbCl$ and $PbCl_2 - SrCl_2 - CsCl$ V R. Klokman, N. S. Kolesnikova Radiokhimiia 6 no. 1:11-18 '64.

Study of the systems $PbTiO_3 - CaSnO_3$ and $PbTiO_3 - CaZrO_3$. *S. A. Fedulov*, IU. N. Venevtsev. Kristallografiia 9 no. 3;358-362 My-Je '64.

Verification of liquid - vapor equilibrium in three-component systems with two liquid phases. T. A. Pak, V. B. Kogan. Zhur. fiz. khim. 36 no. 9;2016-2050 S '62.

SYSTEMS (CHEMISTRY)—ELECTRIC PROPERTIES

Physicochemical analysis of the systems trifluoroacetic acid - indifferent solvent O. K. Kudra, IU. IA. Fialkov, IU. A. Tarasenko Ukr. khim. zhur. 30 no. 4,347-353 *'64.*

SYSTEMS (CHEMISTRY)—THERMODYNAMICS

Certain problems in the thermodynamics of multicomponent heterogeneous systems. Part 4. A. V. Storonkin, N. A. Smirnova. Zhur. fiz. khim. 36 no. 9;1963-1968 S '62

Thermodynamic derivation of the diagrams of state of two-component systems. A. M. Chernyshev. Zhur. fiz. *khim. 36 no. 9;2072-2074 S '62.*

SYSTEMS ENGINEERING

"Theory of scanning systems" by F. E. Temnikov. Reviewed by IA S Kravchenko Priborostroenie no 5 30-31 My '61

SYKTYVKAR REGION—ANOPHELES

The anopheles in the vicinity of the city of Syktyvkar. E. N. Gabova. Izv. Komi. fil. Geog. ob-va SSSR no. 8 84-87 '63.

TABLETS (MEDICINE)

Substitution of liquid drugs by tablets. Report No. 1. D. V. IAshchenko. Farmatsev. zhur. 15 no. 5;30-34 '60.

TACHYMETRY—TABLES, ETC.

Adrianov, I. V. [Tachymetric tables] Takheometricheskie tablitsy. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 247 p.

TACITUS, CORNELIUS—BIBLIOGRAPHY see Bibliography—Tacitus, Cornelius

TACTICS

But what if this were combat? K. Zombitskii. Voen. vest. 43 no. 5 61-63 My '64.

Combat capabilities of the company and its role in modern combat. M. Doshko, I. Semenov. Voen. vest. 43 no. 5:35-40 My '64.

Company exercise with field firing. G. Petrovskii. Voen. vest. 44 no. 6;40-52 Je '64.

Fire on all exercises. S. Mutsynov. Voen. vest. 44 no. 6;112-115 Je '64.

In an advance detachment. A. Serov. Voen. vest. 44 no. 6;27-30 Je '64.

This also means to help the commander. V. Paramonov. Voen. vest. 44 no. 6;31-34 Je '64.

Under conditions of radioactive and chemical contamination. B. Sergeev. Voen. vest. 44 no. 6,64-67 Je '64.

TACTICS—PROBLEMS, EXERCISES, ETC.

Solution of a problem published in no. 3. Voen. vest. 44 no. 6;39 Je '64.

TAGANROG, GULF—GOBIES

Some characteristics of the *growth and reproduction of the* goby Knipowitschia longicaudata in the Gulf of Taganrog. A. I. Moskal'kova. Trudy AzNIIRKH 1 no. 1;441-446 '60.

TAIL—SURGERY

Effective method of the amputation of the tail of long-and-thin-tailed sheep. M A Khanin. Trudy AZVI 12.597-600 '61.

TAILINGS (METALLURGY)

Secondary recovery of iron from tailings of the Krivoy Rog ore Dressing plants. *F. N. Belash, Kh. U. Koval'*-chuk, O. V. Pugina. Gor. zhur. no. 11;57-61 N '63.

TAJIK DEPRESSION—GAS, NATURAL—GEOLOGY

Prospects for finding oil and *gas in the Gissar Valley of* the Tajik Depression on the basis of geological and geochemical data. G. N. Gazarian, E. A. Goverdovskii. Neftegaz. geol. i geofiz. no. 4;8-11 '64.

TAJIK DEPRESSION—PETROLEUM GEOLOGY

Prospects for finding oil and gas in the Gissar Valley of the Tajik Depression on the basis of geological and geochemical data. G. N. Gazarian, E. A. Goverdovskii. Neftegaz. geol. i geofiz. no. 4;8-11 '64.

TAJIK DEPRESSION—ROCKS, SEDIMENTARY

Lithological characteristics of the Neogene accumulation zones of the Tajik Depression. V. D. Bosov. Trudy Inst. geol. AN Tadzh. SSR 7;118-152 '63.

[illegible]

[illegible] MAINTENANCE AND REPAIR

[illegible]

[illegible], 1961

[illegible]

TANNING MATERIALS

[illegible]

[illegible]—STUDY AND TEACHING

[illegible]

[illegible] IN AERONAUTICS

[illegible]

[illegible], ORNAMENTAL

[illegible]

[illegible]

[illegible]

TASHKENT—TEXTILE INDUSTRY

"Foremen's hour." P. Borshchov. Part.zhizn' no.11 61-62 Je '64

TASHKENT PROVINCE—ASCARIDS AND ASCARIASIS

Rare case of ascariasis in the swine liver. Zh.Shapolatov. Uzb.biol.zhur. 7 no.6,87 '63.

TASHKENT PROVINCE—COTTON—FERTILIZERS AND MANURES

Work results of the Laboratory of Radiobiology of the All-Union Scientific Research Institute of Cotton Growing for 1959-1961. V. L. Mukhanova. Trudy SoiuzNIKHI no 3 141-152 '63.

TASHKENT PROVINCE—GOITER

Iodine content of food products in Tashkent Province. G. M. Makhkamov, IA. A. Levin, E. D. Allakulova. Trudy Inst.kraev.eksper.med. no.5:13-17 '63.

TASHKENT PROVINCE—INDUSTRIAL HYGIENE

What should an inspector be like? I. Gaziev. Okhr. truda i sots.strakh 7 no 6 9-10 Je '64

TASHKENT PROVINCE—IODINE

Iodine content of food products in Tashkent Province. G. M. Makhkamov, IA. A. Levin, E. D. Allakulova. Trudy Inst.kraev.eksper.med. no.5 13-17 '63.

TASHKENT PROVINCE—MINERALS IN FOOD

Biological role of copper and its content in local food products. G. M. Makhkamov, IA. A. Levin. Trudy Inst.kraev.eksper.med. no.5:28-36 '63.

TASHKENT PROVINCE—MOSQUITOES

Bloodsucking mosquitoes and their distribution in the changing landscape of Tashkent Province. E.S.Kogai, Z.P.Shcherban'. Uzb.biol.zhur 7 no.6:50-53 '63.

TATAR A.S.S.R.—ACCOUNTING

Accounting for the volume of production based on standard manufacturing costs. V. Ivashkevich. Bukhg.uchet 21 no.4 12-15 Ap '64.

TATAR A.S.S.R.—AGRICULTURAL RESEARCH

Exponents of the party line. F Mel'nikov NTO 5 no 9 8-10 S '63

TATAR A.S.S.R.—BRICKMAKING

Determining by chemical analysis the suitability of clays and loams of Tataria for the manufacture of air-resistant brick. E. M. Tarasova. Trudy Inst.antiseism. stroi.AN Turk.SSR 2:112-114 '58

TATAR A.S.S.R.—CLAY—ANALYSIS

Determining by chemical analysis the suitability of clays and loams of Tataria for the manufacture of air-resistant brick. E. M. Tarasova. Trudy Inst.antiseism. stroi. AN Turk SSR 2:112-114 '58

TATAR A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Isn't it possible to simplify the procedure? IU Zakirov. Part.zhizn' no 10 42-43 My '64.

TATAR A.S.S.R.—COSTS, INDUSTRIAL

Accounting for the volume of production based on standard manufacturing costs. V. Ivashkevich. Bukhg.uchet 21 no.4:12-15 Ap '64.

TATAR A.S.S.R.—DISABILITY EVALUATION

We are taking the new hurdles. V.Kalmakov. Sots. obesp. 25 no.3:34-36 Mr '64.

TATAR A.S.S.R.—FLOUR—TRANSPORTATION

Using a modified distribution system of linear programing in planning the transportation of grain products. M.Fauzullin. Muk.-elev.prom. 30 no.5:24-27 My '63.

TATAR A.S.S.R.—GAS, NATURAL—GEOLOGY

Zonal confinement of structures in Udmurtia and the northeastern part of the Tatar A.S.S.R. and its effect on the spatial distribution of oil pools. R.N.Valeev. Geol.nefti i gaza 8 no.4:35-39 Ap '64.

TATAR A.S.S.R.—OIL FIELD BRINES

Hydrogeological characteristics of the Devonian and Carboniferous sediments of the Menzelinsk-Aktanysh region in the Tatar A.S.S.R. V.G.Gerasimov. Geol. nefti i gaza 8 no.4:39-43 Ap '64.

TATAR A.S.S.R.—PETROLEUM GEOLOGY

Change in the basic parameters of the oils of certain fields in the eastern part of the Tatar A. S. S. R. and western Bashkiria. A. I. Zhelonkin, A. R. Kinzikeev, S. Kh. Aigistova. Geol.nefti i gaza 8 no.3:26-30 Mr '64.

Petroleum potential and methods for petroleum prospecting in fractured reservoirs of the carbonaceous section at the eastern edge of the Aksubayevo-Melekes Depression. V.I.Troepol'skii and others. Izv vys.ucheb. zav.; neft' i gaz 6 no.8:3-8 '63

Zonal confinement of structures in Udmurtia and the northeastern part of the Tatar A.S.S.R. and its effect on the spatial distribution of oil pools. R.N.Valeev. Geol.nefti i gaza 8 no.4:35-39 Ap '64.

TATAR A.S.S.R.—PETROLEUM INDUSTRY—ACCOUNTING

Over-all accounting mechanization. V Pak, I. Petrova. Bukhg.uchet 21 no 2:12-18 F '64.

TATAR A.S.S.R.—SUGAR BEETS

Ways to increase sugar beet production in the area of the Buinsk Factory. Sakh prom. 38 no 4 61-62 Ap '64

TATAR LANGUAGE—DIALECTS see subdivision under Siberia, Western

TATEV HYDROELECTRIC POWER STATION—DAMS

Experimental studies of the rock foundation of the arch dam of the Tatev Hydroelectric Power Station. K. L Ter-Mikaelian. Gidr.stroi 34 no 4 69-71 Ap '64

TAX ACCOUNTING

Chief accountant and his duty in relation to the state budget. S Kozhukh. Bukhg uchet 21 no 2 31-32 F '64

Millionshchikov, A.D., and others. [Deductions from profit] Otchisleniia ot pribyli. Izd. 3., perer i dop. Moskva, Izd-vo "Finansy," 1964. 182 p.

TAXICABS see subdivision under Moscow

TAYLOR'S SERIES (MATHEMATICS) see Series, Taylor's

TAYMŪR, MAHMŪD, 1894-

Dialectal elements and Europeanisms in the language of Mahmūd Taymūr. N. N. Purtseladze. Krat soob Inst.nar.Az. no 72:65-71 '63

TAYMYR PENINSULA—BRACHIOPODA, FOSSIL

Ustritskii, V. I., and G. E. Cherniak. [Biostratigraphy and brachiopods of the Upper Paleozoic of the Taymyr Peninsula] Biostratigrafiia i brakhiopody verkhnego paleozoia Taimyra. Leningrad, Gostoptekhizdat, 1963. 138 p. (Leningrad. Nauchno-issledovatel'skii institut geologii arktiki. Trudy, vol. 134)

TAYMYR PENINSULA—GRAPTOLITES

Obut, A. M., and R. F. Sobolevskaia. [Ordovician graptolites of the Taymyr Peninsula] Graptolity ordovika Taimyra. Moskva, Izd-vo "Nauka," 1964. 91 p. illus.

TAYMYR PENINSULA—PALEONTOLOGY, STRATIGRAPHIC

Ustritskii, V. I., and G. E. Cherniak. [Biostratigraphy and brachiopods of the Upper Paleozoic of the Taymyr Peninsula] Biostratigrafiia i brakhiopody verkhnego paleozoia Taimyra. Leningrad, Gostoptekhizdat, 1963. 138 p. (Leningrad. Nauchno-issledovatel'skii institut geologii arktiki. Trudy, vol. 134)

TEA see subdivision under Adzharistan

TEA—FERTILIZERS AND MANURES see subdivision under Georgia

TEA—STANDARDS

[Tea, coffee, cocoa] Chai, kofe, kakao. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 64 p. (SSSR. Gosudarstvennye standarty)

TEA INDUSTRY

Shtromberg, IA. A. [Ventilation and air conditioning in the tea processing industry] Ventiliatsiia i konditsionirovanie vozdukha v chaeobrabatyvaiushchei promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 217 p.

TEA MACHINERY

Complex of machines for tea cropping and harvesting. G.Mirumian. Tekh.v sel'khoz. 24 no.3:14-20 Mr '64.

TEACHERS
(see also subdivision under Kostroma Province)

Enthusiast of her work. M. V. Kuznechenkov. Nach. shkola 32 no.5:31-33 My '64.

[Oldest friend; a collection of sketches] Starshii drug; sbornik ocherkov. [Moskva] Molodaia gvardiia, 1964. 109 p.

Workers' teacher. B. Uspenskii. Prof.-tekh.obr. 21 no.5:29-30 My '64.

TEACHERS—SALARIES, PENSIONS, ETC.

In the Ministry of Education of the U.S.S.R. Doshk. vosp. 37 no.5:27-28 My '64.

TEACHERS, TRAINING OF
(see also subdivision under Moscow)

Organizing the industrial training of students. A. D. Shneider, N. I. Tkachuk. Shkola i proizv. 8 no 7:62 Jl '64

TEACHING

Elements of research in the educational process. G. B. Kadin. Sred.spets.obr. 11 no.4:8-13 Ap '64.

This is gratitude. R.Finkel'shtein. Doshk.vosp. 36 no.12:78-80 D '63.

TEACHING MACHINES

Apparatus for the testing of knowledge. V. P. Zhmur. Shkola i proizv. 8 no.6 42-47 Je '64.

Information nets of concepts and of the structure of a teaching process. V P. Piatkin, A. G Shigin. Trudy MEI no.53:89-95 '64.

Teaching machines. A.G.Molibog. Sred.spets.obr. 11 no.5:6-15 My '64.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION
(see also subdivision under Leningrad, Poland)

More about technical training. F. Ermolov. Tekh.i vooruzh no.1 67-69 Ja '64.

Party organization and technical training. N. Egorov. Tekh.i vooruzh no 1 4-8 Ja '64.

Training aid for technical classes. E. Kozlovich. Tekh.i vooruzh no 1 44-46 Ja '64.

TECHNICAL LIBRARIES

State Public Science and Technology Library of the U.S.S.R. is 5 years old. A.K. Sov.bibl. no.1:84-85 '64.

TECHNICAL SOCIETIES
(see also subdivision under Kirghizistan; Leningrad Province; Turkmenistan; Volgograd Province)

Every member of a scientific and technological society should be an active fighter for technical development NTO 5 no 9 2-3 S '63

Urgent objectives of scientific and technological societies. V.V.Grishin. NTO 6 no.3 8-13 Mr '64.

TECHNICIANS IN INDUSTRY

Experimental application of the new system of issuing bonuses to managerial, engineering and technical workers and employees in industry. V.Chupyr'. Sots. trud 9 no.5:15-25 My '64

A new system of material incentives. O Kozlov, K Kogan. Plan khoz 41 no 6 49-55 Je '64

Preparation in a regional economic council. M. Gilantsev. Sots.trud 9 no.6:18-22 Je '64.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Germany, East; Kalinin Province; Latvia; Leningrad; Leningrad Province; Middle Ural Economic region; Moscow Province; Volga Economic region)

Abroad. Prom Arm. 7 no 2:70-71 F '64.

Advertising board. Izobr.i rats. no.6:30-31 '64.

Brief news. Prom Arm. 7 no 2:76 F '64

Characters and conditions. N. Bychkova. Izobr.i rats. no.6 17 '64

Conceived-achieved. Izobr.i rats. no.6,20-21 '64

Develop and introduce. P. Zenkin. Sov.profsoiuzy 20 no.13 4-6 Jl '64.

Economic incentives for the introduction of new machinery. A. Basistov. Vop.ekon. no.5:23-34 My '64.

From foreign countries. Izobr.i rats. no.6:37 '64.

From information bulletins of the Central Bureau of Technical Information at the economic councils. Biul. tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh. inform. 17 no.4:75-77 Ap '64.

From the information bulletins of the Central Office of Technical Information at economic councils. Biul. tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh. inform. 17 no.5:71-72 My '64.

In the name of progress. Radio no.5:1-2 My '64.

In the U.S.S.R. Prom Arm. 7 no.2:66-70 F '64

In your attorney's office. Izobr.i rats. no.6:19, 23 '64.

Introduce technological innovations in production. Sov. profsoiuzy 20 no.13,2 Jl '64.

[Moscow technologists are speaking] Govoriat Moskovskie tekhnologi. [Moskva] Moskovskii rabochii, 1964. 162 p.

Observe, learn, adopt. Izobr.i rats. no.6:27-29 '64.

Science and work go hand in hand. I. Tikhonov. Sov. profsoiuzy 20 no.13:10-11 Jl '64.

Toward new achievements of technical progress. NTO 6 no.3:2-7 Mr '64.

We are living this way. Izobr.i rats. no.6:12-13 '64.

TECHNOLOGY

"History of technology" by A. A. Zvorykin and others. Reviewed by V. S. Virginskii. Nov.i noveish.ist. no.1:140-143 '64.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—CONGRESSES

The First International Symposium on the General Problems of the History of Science and Technology. IU.A., H.D. Ukr.ist.zhur. 8 no.2:155-156 Mr-Ap '64.

TECHNOLOGY—INFORMATION SERVICES

(see also subdivision under Armenia; Czechoslovakia; Japan; Lithuania; United States)

Necessity of improving the organization for the dissemination of advanced practices. V A. Pershin NTI no.4:18 '64.

Public information service N Lopatina NTO 5 no.9: 53-54 S '63

Results of the survey of the fulfillment of the decree of the Council of Ministers of the U S.S.R., May 11, 1962, "Measures for improving the organization of scientific and technological information in our country " V V NTI no.2:6 '64.

TECHNOLOGY—PERIODICALS

Foreign periodicals subscribed by the scientific and technical library of the Economic Council of the Armenian S.S R for 1964 Prom Arm 7 no 2 79-80 F '64

TECHNOLOGY—PHILOSOPHY

Technology, technological progress and some problems of the development of personalities. IU.S. Meleshchenko. Uch.zap.kaf obshchestv.nauk vuz.g.Len., Filos. no.5:77-94 '64

TECHNOLOGY CLUBS see subdivision under Armenia

TEDZHEN REGION (TURKMENISTAN)—PLANTS—TRANSPIRATION

Transpiration of cotton and alfalfa in Murgab and Tedzhen Oases. G.S. Efimov, S. M. Parshutin. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 24-29 '64.

TEDZHEN VALLEY (TURKMENISTAN)—PHYSICAL GEOGRAPHY

Physicogeographical study of the Tedzhen Rive, Basin, Turkmenistan. Ch. Kopekov Trudy Turk. geog ob-va no. 1:31-93 '58.

TELECOMMUNICATION

Agricultural workers should be provided with outstanding telecommunication systems Vest sviazi 24 no 5 16-18 My '64.

[Automated power supply guarantee systems for telecommunication apparatus] Avtomatizirovannye ustroistva garantirovannogo pitaniia apparatury sviazi; informatsionnyi sbornik. Moskva, Izd-vo "Sviaz'," 1964. 132 p. (Tekhnika sviazi)

Carrying capacity of a channel with limiting of the signal in the group amplification channel of a multichannel single-band transmitter. IU.S. Kniazev. Elektrosviaz' 18 no.4:75-76 Ap '64.

Improve and develop radio broadcasting, wire broadcasting, and television techniques. Vest. sviazi 24 no 5 1-2 My '64

Symposium and Conference on Telecommunication. M.V. Persikov. Vest. AN SSSR 34 no.5:130 My '64.

Telecommunication and the building of communism. N Psurtsev. Radio no 5.4-5 My '64.

TELECOMMUNICATION—EMPLOYEES see subdivision under Kirovograd; Stavropol

TELECOMMUNICATION—EQUIPMENT AND SUPPLIES

The achievements of chemistry should be fully utilized in the telecommunication industry. Vest sviazi 24 no. 5 28 My '64

TELEGRAPH

Two methods for the reception of binary frequency telegraphy signals. L. M. Fink, V. S. Kotov. Radiotekhnika 19 no. 2.13-18 F '64.

TELEMETERING

Contactless code-impulse system for converting angular displacements to electrical signals using a spatial coding method without physical representation of the code. M.V. Kadzharov. Trudy GPI [Gruz.] no. 3: 53-60 '63.

Evaluation of the performance of a centralized information collecting and processing center with unlimited memory. Avtom.i telem. 25 no.3:394-398 Mr '64.

Increase in the interference rejection of telemetering systems with pulse-width modulation and pulse-time modulation using a time selector. N.V. Pozin. Avtom. i telem. 25 no.4:539-546 Mr '64.

Interference rejection of discrete methods for telemetry data transmission. G.A. Shastova. Avtom. i telem. 25 no.4:527-538 Mr '64.

Long-period pulse-time telemetering system with a noncontact converter. A. A. Abdullaev, I. A. Nabiev, A. I. Chebarev. Izv. vys. ucheb. zav.; neft' i gaz 6 no.11: 95-99 '62.

Passage of fluctuation noise through remote control devices with a time selector. L.B. Venchkovskii. Avtom. i telem. 25 no.3:395-412 Mr '64.

Telemetering the production of strippers and heavily flooded wells. K E. Sosnov, A.I. Voronenko. Neftprom. delo no. 4 23-25 '64

TELEPHONE

(see also subdivision under Uzbekistan)

Commutation of communication circuits in line equipment rooms may be improved D.A. Bunich. Avtom. telem. i sviaz' 8 no 2 35-36 F '64.

Individual equipment of 24-channel BK-24 multiplexing apparatus G E IArtsev Vest sviazi 24 no 5:12-15 My '64

Intermediate station for selective communication with voice-frequency ringing. L V. Kotel'nikov, L.I Bukhbinder. Avtom., telem i sviaz' 8 no.6:11-14 Je '64.

Russia (1923- U. S. S R.) Glavnoe upravlenie gorodskoi i sel'skoi telefonnoi sviazi i radiofikatsii. [Instructions on the design of rural telephone networks] Ukazaniia po proektirovaniiu sel'skikh telefonnykh setei. Moskva, Izd-vo "Sviaz'," 1964 187 p.

An VIS-60 input testing bay L I Bukhbinder, A S Kapusta Avtom telem i sviaz' 8 no 2 10-12 F '64

TELEPHONE—EMPLOYEES

(see also subdivision under Volgograd)

Conference by mail of long-distance telephone communication workers N D Grishko Vest sviazi 24 no 5 27-28 My '64

TELEPHONE—EQUIPMENT AND SUPPLIES

Driatskii, N. M., and A. I. Kharitonov. [Individual SIO-60 equipment for multichannel long-distance communication systems] Individual'noe oborudovanie SIO-60 dlia mnogokanal'nykh sistem dal'nei sviazi Moskva, Izd-vo "Sviaz'," 1964. 64 p. (Lektsii po tekhnike sviazi)

Method for checking the output limitation of I GIO devices N I Tkachenko Avtom telem i sviaz' 8 no 2 31-35 F '64

TELEPHONE, AUTOMATIC

Ivanova, O. N. [Use of electronic commutation in automatic telephony] Primenenie elektronnoi kommutatsii v avtomaticheskoi telefonii; uchebnoe posobie. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 166 p. [MICROFILM]

TELEPHONE LINES

Locating the places with decreased crosstalk attenuation in overhead communication lines M. A Gronin Avtom telem i sviaz' 8 no 2:24-25 F '64

Russia (1923- U. S. S. R.) Glavnoe upravlenie gorodskoi i sel'skoi telefonnoi sviazi i radiofikatsii. [Instructions on the design of rural telephone networks] Ukazaniia po proektirovaniiu sel'skikh telefonnykh setei. Moskva, Izd-vo "Sviaz'," 1964. 187 p.

Special features in the operation of a duplex amplifier with a coil loaded cable. V P Zhokh, N M. Naberezhnyi Avtom. telem i sviaz' 8 no 2.31-32 F '64

TELEPHONE STATIONS

Improving diagrams for mine telephone stations. A. F. Ivchenko. Gor. zhur. no. 5:16-48 My '64.

TELESCOPE

Experimental investigation of aerodynamic characteristics of the domes of astronomical telescopes. N. I. Akatnov. Trudy LPI no. 230:132-136 '64.

TELEVISION

(see also subdivision under Sverdlovsk Province)

In two languages. P. Zhmurin, A Korguzalov, V. Sergeev. Radio no 5 22-24 My '64

Increasing the quality of synchronization in long-distance television transmission. S. I. Kataev, L. I. Konstantinesku Vest sviazi 24 no 5:9 My '64.

Kalabin, V. S. [Analysis of circuits for the reinsertion of the d. c. component in television] Analiz skhem vosstanovleniia postoiannoi sostavliaiushchei v televidenii. Moskva, Izd-vo "Sviaz'," 1964. 64 p. (Lektsii po tekhnike sviazi)

Varbanskii, A. M. [Television technology] Televizionnaia tekhnika. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 543 p.

TELEVISION—ANTENNAS

Antenna systems of television centers. V. D. Kuznetsov, N. V. Soshnikova. Elektrosviaz' 18 no. 4:1-10 Ap '64.

TELEVISION—EQUIPMENT AND SUPPLIES

Erecting a television mast. L. A. Berezniuk. Mont. i spets rab. v stroi. 26 no. 5.25-26 My '64

TELEVISION—HANDBOOKS, MANUALS, ETC.

Soloveichik, A. I. [Handbook for television owners] Spravochnik telezritelia. [Moskva] Izd-vo "Sviaz'," 1964. 62 p.

TELEVISION—RECEIVERS AND RECEPTION

Manufacture of curved cabinets for television receivers. A. F. Misharov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:52-53 Ap '64.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Dismountable model of a television transmitting tube. IU. V. Chentsov. Prib. i tekh. eksp. 8 no. 6:122-124 N-D '63.

TELEVISION IN MEDICAL EDUCATION

Experience in the use of television microscopy for the demonstration of micro-organisms. M.P. Zykov, L.B. Bakinova. Zhur. mikrobiol., epid. i immun. 40 no. 6: 54-58 Je '63.

TELLER, EDWARD, 1908-

Vilenskii, M. E. [Your enemy Teller] Vash vrag Teller. Moskva, Politizdat, 1964 38 p. (Vot oni beshenye)

TELLURIUM

IUshko-Zakharova, O. E. [Geochemistry and mineralogy of selenium and tellurium in copper-nickel deposits] Geokhimiia i mineralogiia selenia i tellura v medno-nikelevykh mestorozhdeniiakh. Moskva, Izd-vo "Nauka," 1964. 110 p.

TELLURIUM—ANALYSIS

Determination of molybdenum and tellurium in polyhetero compounds. Z. G. Shakhova, Ku Tkhan'Long. Vest. Mosk. un. Ser. 2. Khim. 19 no. 1:72-76 Ja-F '64.

TELLURIUM COMPOUNDS

Complex formation in the system tellurium (IV) - diantipyrylmethane - bromide. A T. Pilipenko, A. I. Kapustian. Ukr. khim. zhur. 30 no. 1 9-12 '64.

TELLURIUM-GALLIUM ALLOYS see Gallium-tellurium alloys

TELLURONIUM COMPOUNDS

Utilization of the chemical effect of Sb^{125} β-decay for the synthesis of tri-α-naphthyltelluronic derivatives. V. D. Nefedov, I. S. Kirin, V. M Zaitsev. Radiokhimiia 6 no. 1 123-124 '64.

TEMPERATURE see subdivision under Barents Sea; Greenland Sea; North America; Norwegian Sea

TEMPERATURE—MEASUREMENT

Measurement of temperature in unsteady thermal processes. IU N Shumanskii and others Teploenergetika 11 no 3 93-94 Mr '64

TEMPERATURE—PHYSIOLOGICAL EFFECT

Changes of L-form microbes and their resistance during storage at various temperatures. K. P. Shakhovskii. Zhur. mikrobiol., epid. i immun. 40 no. 10:105-109 O '63.

Controlled variation in influenza viruses due to the effect of temperature. Report No 1 Variation in the infectious activity of influenza virus during adaptation to low temperature M. I. Sokolov, T. M. Lozinskaia Vop. virus no. 6:692-697 N-D '63.

Effect of elevated external temperature on the properdin level in healthy persons and in patients infected with rabbit staphylococcus, author's abstract. Kh. IA. Grant. Zhur. mikrobiol., epid. i immun. 40 no. 10:150 O '63.

Properties of the cultures of typhoid fever microbes selected under conditions of hyperthermia V N. Valueva Trudy Irk IEG no 5 199-205 '60

TEMPERATURE FIELDS

Determining the temperature field of the ground around a pipeline in the process of cooling P. I. Tugunov, V S. IAblonskii. Neft khoz. 41 no. 6:51-53 Je '63

TEMPERATURE REGULATORS

Adjustment of the magnetic amplifiers of VTI temperature regulators. A. A. Ryss. Energetik 12 no. 5:24-26 My '64.

Apparatus for the automatic control of water temperature. A. Shkola. Tekh. v sel'khoz. 24 no. 3:32-33 Mr '64.

Installation of heat regulatory units and automatic control equipment. A. A. Fil'chakov. Energ. stroi. no. 37:44-47 '63.

Systems of automatic temperature regulation [with summary in English]. V. N. Chernov, V. P. Drevush, I. F. Van'shev. Mikrobiologiia 32 no. 4:727-731 Jl-Ag '63.

Temperature pickups with type TK-1 thermal contactors. A. R. Chudnovskii, N. S. Zablotskaia. Khol. tekh. 41 no. 2:56 Mr-Ap '64.

Transmission of temperature indications using single-phase selsyns. N. F. Samodelov. Prom. energ. 17 no. 6:22-23 Je '62.

TEMPLES see subdivision under Egypt

TENT CATERPILLARS see subdivision under Siberia; Transbaikalia

TEREK VALLEY—EARTHQUAKE, 1964

Earthquake in the Terek region. N. M. Smirnova, A. G. Dobrychenko. Priroda 53 no. 6:116-117 '64.

TEREK VALLEY—ECONOMIC CONDITIONS

Gritsenko, N. P. [Socioeconomic development of Terek Valley areas from the 18th to the first half of the 19th century] Sotsial'no-ekonomicheskoe razvitie priterechnykh raionov v XVIII-pervoi polovine XIX vv. Groznyi, Izd-vo gazety "Groznenskii rabochii," 1961. 191 p. (Grozny. Checheno-Ingushskii nauchno-issledovatel'skii institut istorii, iazyka i literatury. Trudy, vol. 4)

TEREKHTA RANGE—ORE DEPOSITS

Small intrusions of the Terekta Range in the Gornyy Altai and their role in metallogeny. L. A. Mikhaleva. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 13:153-242 '63.

TEREKHTA RANGE—ROCKS, IGNEOUS

Small intrusions of the Terekta Range in the Gornyy Altai and their role in metallogeny. L. A. Mikhaleva. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 13 153-242 '63.

TEREPHTHALIC ACID

Joining of polyethyleneterephthalate films. A.V.Andrianova and others. Plast. massy no. 1,73 '64

TERRACES (GEOLOGY) see subdivision under Tskhenis-Tskali Valley

TERRAMYCIN AS FEED

Effect of feed terramycin on vitamin metabolism in chicks. Z. A. Razumovskaia. Trudy Smol. NIVS no. 2 195-203 '62

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TERSKIY COAST—BIRDS

More on the summer ornithofauna on the Terskiy Coast of the White Sea. R. I. Malyshevskii. Ornitologiia [illegible] 473 [illegible]

TESTICLE

Analysis of the mechanism of compensatory gonad hypertrophy in birds. O. M. Pitsiia. Dop. AN URSR no. 5 671-673 '64.

Histochemical research data on polysaccharides in the testis of irradiated rats. A. K. Mirakhmedov. Uzb. biol. zhur. 7 no. 6:77-79 '63

TESTING LABORATORIES—EQUIPMENT AND SUPPLIES

Equipment for the industrial laboratories. O. S. Smirnova. Sakh. prom. 38 no. 4 66-68 Ap '64

TESTING MACHINES

Device of the IPK-3 make for the abrasion testing of rope yarn. S. G. Barkov, V. B. Ol'shina. Nauch.-issl. trudy TSNIILV 18 190-196 '62

TESTS, MEDICAL see Medical tests

TETANUS—PREVENTIVE INOCULATION

Change in antitoxic immunity to tetanus under the influence of dysenteric intoxication and influenzal infection. B. V. Pinegin. Zhur. mikrobiol., epid. i immun. 40 no. 5 102-107 My '63.

Effectiveness of emergency specific prevention of experimental tetanus under aggravated conditions. G. I. Kremlev. Zhur. mikrobiol., epid. i immun. 40 no. 5 94-97 My '63.

Study of immunological shifts in the administration of purified adsorbed tetanus anatoxin. A. IU. Iliutovich, V. V. Budylina, B. N. Raikis. Zhur. mikrobiol., epid. i immun. 40 no. 5 97-102 My '63.

TETANUS ANTITOXIN

Immunological effectiveness of pertussis-diphtheria-tetanus vaccine. G. V. Ignat'eva and *others*. *Zhur.* mikrobiol., epid. i immun. 40 no. 10:58-62 O '63.

TETANY

Hyperventilation tetany during light anesthesia. N. E. Burov, G. V. Guliaev, N. M. Sadykov. Eksp. khir. i anest. 8 no. 5 84-87 S-O '63.

TETRACYCLINE

New method of synthesizing tetracycline ring A. A. I. Gurevich and others. Izv. AN SSSR. Ser. khim. no. 5: 945 My '64.

Tetracyclines. Part 22: New paths for building up a ring A of dedimethylaminotetracyclines. IU. A. Berlin and others. Zhur. ob. khim. 34 no. 3:790-798 Mr '64.

Tetracyclines. Part 24: Building up a ring A of tetracyclines. IU. A. Berlin, M. N. Kolosov, M. M. Shemiakin. Zhur. ob. khim. 34 no. 3:798-807 Mr '64.

TETRACYCLINE AS FEED

Studying the effectiveness of antibiotics of the tetra*cycline series in raising young pigs*. D. N. Rubtsov. Trudy Smol. NIVS no. 2:172-187 '62

TETRAZOLIUM COMPOUNDS

Determining the viability of corn seeds by the use of 2, 3, 5-triphenyltetrazolium chloride. A. P. Prokhorova, V. V. Makarov, V. I. Uspenskaia. Trudy VNIIZ no. 47. 117-121 '63.

TEUTONIC KNIGHTS

[War of the Lithuanians with the Teutonic Knights] Lietuviu karas su Kryziuociais. Vilnius, Leidykla, "Mintis," 1964. 354 p. [In Lithuanian]

TEXAS—OIL WELLS—HYDRAULIC FRACTURING

New technique for interval hydraulic fracturing. R. W. Lagrone, J. W. Rasmussen. Nefteprom. delo no. 4:30-33 '64

TEXAS—PETROLEUM PIPELINES

New pressure control system for wells with low output. R. N. Nelson. Nefteprom. delo no. 4 35-37 '64.

TEXAS—PRESSURE REGULATORS

New pressure control system for wells with low output. R. N. Nelson. Nefteprom. delo no. 4:35-37 '64.

TEXTILE CHEMISTRY

Production of dyestuffs, pigments, and finishing preparations. I. V. Shabanov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4.19-21 Ap '64.

TEXTILE FABRICS

New consumers' fabrics made from a blend of linen and lavsan. M. G. Zubova. Nauch.-issl. trudy TSNIILV 18 169-178 '62

Specification of the technology for yarn preparation from a blend of combed flax and capron staple fibers and of their optimum ratio providing for a maximum improvement of the quality of fabrics for protective clothing. I. I. Dukovskaia and others. Nauch.-issl. trudy TSNIILV 18 75-106 '62

TEXTILE FABRICS—CLASSIFICATION

Classification of the factors of the wear of clothing fabrics. N. Kh. Urazov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2,38-41 '64.

TEXTILE FABRICS—ELECTRIC PROPERTIES

Instrument for measuring the electric conductivity of textile materials. K. S. Tugeev, A. V. Morozov. Tekst. prom. 24 no. 4 64-66 Ap '64.

TEXTILE FABRICS—MEASUREMENT

Rubber meter. V. Bezuglyi. Izobr. i rats. no. 6:11 '64.

TEXTILES FABRICS—TESTING

Device for determining the crease resistance of SMT-make fabrics. R. I. Zaurov. Tekst. prom. 24 no. 4: 67-68 Ap '64.

New method for determining the crease resistance of pile. K. V. IAroslavtsev, L. O. Mikhalovskaia. Tekst. prom. 24 no. 4 68-69 Ap '64

Permeability to air of summer dress fabrics of various fiber compositions. B. D. Semak. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2 42-46 '64.

TEXTILE FACTORIES—SAFETY MEASURES

Zaprudnova, V. P. [Fundamentals of safety engineering and fire prevention in textile enterprises] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki na tekstil'nykh predpriiatiiakh. Moskva, Gizlegprom, 1963. 202 p.

TEXTILE FIBERS

Reducing the static electricity buildup of yarn made from rayon and synthetic fibers. A. M. Aksel'band, N. A. Kravchenko, B. G. Asner. Tekst. prom. 24 no. 4 70-72 Ap '64.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Daugavpils, Latvia)

Antifungal action of synthetic fibers containing specific chemical groups [with summary in English]. L. A. Vol'f, A. V. Markovich, A. A. Medvedkova. Vest. derm. i ven. 37 no. 6:39-41 Je '63.

Production of chemical fibers. R. N. Martsinovskaia. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:17-19 Ap '64.

Synthesis and study of unsaturated fiber-forming polymers. Part 1. Synthesis of unsaturated polyamides. A. V. Tokarev, G. I. Kudriavtsev. Vysokom. soed. 6 *no. 5:850-855* My '64.

TEXTILE FIBERS, *SYNTHETIC—BIBLIOGRAPHY* see Bibliography—Textile fibers, Synthetic

TEXTILE FINISHING

Consultation. Tekst. prom. 24 no. 4 93-94 Ap '64.

High-quality finishing of summer dress fabrics. M. S. Filatov, B. D. Semak. Tekst. prom. 24 no. 4 57-58 Ap '64.

TEXTILE INDUSTRY

(see also subdivision under Leningrad; Tashkent)

Dombrovskaia, Z. A. [Organization and planning of the wholesale trade in textile goods] Organizatsiia i planirovanie optovoi torgovli tekstil'nymi tovarami. Moskva, Gos. izd-vo torg. lit-ry, 1962. 146 p.
(InU)

Follow-up of published materials. Tekst. prom. 24 no. 4.91-93 Ap '64.

Ioffe, I. G. [Capital assets of the textile industry and their utilization] Osnovnye fondy tekstil'noi promyshlennosti i ikh ispol'zovanie. Moskva, Gizlegprom, 1963. 184 p.

Mil'man, IA. V., and S. S. Shvyrev. [Fundamentals of the automation of technological processes in the textile industry] Osnovy avtomatizatsii tekhnologicheskikh protsessov v tekstil'noi promyshlennosti. *Moskva*, Izd-vo "Legkaia industriia," 1964. 389 p.

Statistical control in the textile manufacture. B. P. *Pozdniakov*. Tekst. prom. 24 no. 4 20-24 Ap '64.

Strides of the "big" chemistry. Tekst. prom. 24 no. 4: 1-9 Ap '64.

TEXTILE INDUSTRY—FINANCE

Problems of the increase of the capital yield. K. M. *Araslanov*. Tekst. prom. 24 no. 4 9-12 Ap '64.

TEXTILE INDUSTRY—LIGHTING

Results of redesigning the light fixtures of the textile shops of caprone fiber plants. G. B. Bukhman. Svetotekhnika 10 no. 6:4-7 Je '64.

TEXTILE INDUSTRY—MANAGEMENT

(see also subdivision under Leninakan)

Some problems in the organization of the production of the new types of fabrics. P. K. Sizov. Tekst. prom. 24 no. 4 73-76 Ap '64.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Development and introduction of auxiliary articles and materials in the textile industry. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4:70 Ap '64.

TEXTILE MACHINERY—BRAKES

Braking of warp rollers on the stand of a sizing machine. E. V. Veselovskaia. Nauch.-issl. trudy TSNIILV 18.146-169 '62.

TEXTILE MACHINERY—ELECTRIC DRIVING

Review of the book "Automatically controlled electric *driving of textile machinery.*" *IA. V. Mil'man.* *Tekst.* prom. 24 no. 4:80-90 Ap '64.

TEXTILE RESEARCH

Information. Tekst. prom. 24 no. 4:94-95 Ap '64.

TEXTILE WORKERS see subdivision under Leningrad

TEXTILE WORKERS—EDUCATION AND TRAINING

We are training textile workers. P. S. Vlasov. Shkola i proizv. 8 no. 7:87 Jl '64

THALLIUM

Isolation of gold and thallium from a complex mixture of elements by partition chromatography. B. K. Preobrazhenskii, A. V. Kaliamin, I. Mikhalcha. Radiokhimiia 6 no. 1:111-112 '64.

THALLIUM CHLORIDES—SPECTRA

Orange luminescence of thallium chloride. V. A. Sokolov, L. A. Rusinov. Izv. vys. ucheb. zav.; fiz. no. 2:149-152 '64.

THAWING

(see also subdivision under Chaiaaty Glacier; Queen Maud Land)

Increasing the economic effectiveness of basin snow water irrigation. V. S. Dmitriev. Vest. sel'khoz. nauki 9 no. 5.24-31 My '64

Increasing the water absorbing capacity of soil in fall during snow melting. P. A. Larin. Vest. sel'khoz. nauki 9 no. 4:34-38 Ap '64.

THEATER

(see also subdivision under India; Latvia; Tambov; Uzbekistan)

Characters and fates. A. Dubinskaia. Sov. profsoiuzy 20 no. 12:28-29 Je '64.

Hakkebush, V. V. [Encounters with foreign theaters] Zustrichi z zarubizhnymy teatramy. Kyiv, "Mystetstvo," 1964. 153 p.

THEATER—PRODUCTION AND DIRECTION

Pal, I. S. [On genre] O zhanre. Moskva, Vseros. teatr. ob-vo, 1962. 94 p.

Vserossiiskoe soveshchanie *rezhisserov massovykh* teatral'nykh postanovok, 1st, 1962. [Popular theater performances and holidays] Massovye teatralizovannye predstavleniia i prazdniki. Moskva, Vseros. teatr. ob-vo, 1963. 106 p.

THEATERS—STAGE SETTING AND SCENERY

Erengross, B. A. [The artist in the theater] Khudozhnik v teatre. Moskva, Vserossiiskoe teatral'noe ob-vo, 1962. 93 p.

THEOLOGICAL SEMINARIES see subdivision under Leningrad

THEORY OF GROUPS see Groups, Theory of

THERAPEUTICS

Some characteristics of the course of gonorrheal arthritis. L. V. Shevliakov, G. G. Sedel'nikova. Vest. derm. i ven. 37 no. 9:86-87 S '63.

THERAPEUTICS—*CONGRESSES*

Vsesoiuznyi s"ezd terapevtov, 15th, 1962. [Transactions of the 15th All-Union Congress of Therapeutists] Trudy. Pod obshchei red. A. L. Miasnikova. Moskva, Meditsina, 1964. 529 p.
(DNLM)

THERAPEUTICS—STUDY AND TEACHING see subdivision under Perm

THERMAL ANALYSIS

Anomalies in the properties of silicon-nickel bronze. K. T. Chernousova, IU. P. Chernysheva. Trudy Inst. met. i obog. AN Kazakh. SSR 7:161-165 '63.

THERMAL DIFFUSIVITY

Thermal diffusivity of tantalum, molybdenum, and niobium at temperatures over 1800°K. O. A Kraev, A. A. Stel'makh. Teplofiz. vys. temp. 2 no. 2:302 Mr-Ap '64

THERMAL STRESSES

Causes of the appearance of hot cracks during the continuous casting of highly resistant alloy ingots. E. D Zakharov and others. Alium splavy no 3:349-362 '64

Differential equations for the elastic equilibrium of shells of revolution with meridional ribs under force and temperature loads. L. O. Il'yin Prykl. mekh. 10 no. 3:254-262 '64

Effect of residual austenite on the formation of cracks. E. I. Malinkina, E. V. Tarubarova. Metalloved. i term obr. met. no. 5:17-20 My '64.

Stress rupture strength of soldered joints at high temperatures. L. G. Achkasov, A. V. Zaichikov. Trudy TSNII MPS no. 277:126-134 '64.

A thermoelasticity problem for a thin cylindrical shell and a plate. K. K. Kozhakhmetov, R. M. Finkel'shtein. Issl. po uprug. i plast. no. 3 75-87 '64.

Thermoplastic and structural stresses in solids. V. L. Indenbom, L. I. Vidro. Fiz. tver. tela 6 no 4 992-1000 Ap '64.

THERMISTORS

Bogdanov, G. B., and A. A. Bokrinskaia. [Ferrite thermistors] Ferritovye termistory. Kiev, Gostekhizdat USSR, 1964. 190 p

Method for selecting identical semiconductor thermistors from a general lot. V. I Kirsa Priborostroenie no 5 24-25 My '64

Precision of temperature measurements with semiconductor thermistors. V. IA. Kozhukh. Priborostroenie no. 3:9-10 Mr '64.

Thermistor temperature compensation for a salinometer. S. S. Drozdov, V. V. Mosolova, A. I. Nikushkin. Priborostroenie no. 3:7-8 Mr '64.

Use of thermistors in biology and medicine. V V. Kamenskaia, V. A. Presnov. Izv. vys. ucheb. zav., fiz. no. 2: 84-89 '64.

THERMOCHEMISTRY

Equilibrium constants for thermal decomposition reactions of volatile hydrides of III - VI group elements. G. G. Devlatykh, A. S. IUshin. Zhur. fiz. khim. 38 no. 4: 957-962 Ap '64.

Kinetics and mechanism of the thermal decomposition of ethane. IU. I. Kudriavtseva, B. V. Pavlov, V. I. Vedeneev. Zhur. fiz. khim. 38 no. 4:978-980 Ap '64.

Synthesis of the hydroperoxides of halo derivatives of isopropylbenzene and the study of their thermal decomposition rate. M. A. Dikii, T. I. IUrzhenko. Dokl. LPI 5 no. 1/2:15-19 '63.

Thermal effects of the mixing in the system formamide - acetone. M. G. Blank. Dokl, LPI 5 no. 1/2:120-123 '63.

Thermographic investigation of the process of dehydration and decomposition of some 12-heteropoly acids. A. A. Babad-Zakhriapin, V. P. Moiseev. Izv. AN SSSR. Ser. khim. no. 5:799-804 My '64.

THERMOCOUPLES

Determination of chemical equilibrium by the differential thermocouple method. A. A. Balandin and others. Zhur. fiz. khim. 36 no. 9:1952-1957 S '62.

THERMODYNAMICS

Calculating sound velocities in compressed fluids. A. A. Glinskii. Izv. vys. ucheb. zav.; fiz. no. 2:185-186 '64.

Dreving, V. P., and IA. A. Kalashnikov. [Phase rule with a presentation of the elements of thermodynamics] Pravilo faz s izlozheniem osnov termodinamiki. Izd 2., perer. i dop. [Moskva] Izd-vo Mosk. univ., 1964. 454 p.

Exact and approximate method for calculating thermodynamic functions in various parts of the indicator diagram. Z. M. Minkin. Energomashinostroenie 10 no. 4:40-41 Ap '64.

Letter to the editor. E. G. Vol'pert. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 3:97-89 My-Je '64.

Murav'ev, M. D. [Using the deduction method in investigating basic thermodynamic processes] Issledovanie osnovnykh termodinamicheskikh protsessov deduktivnym metodom Minsk, Izd-vo "Vysshaia shkola," 1963. 57 p.

Thermodynamics of ion exchange on sulfonated copolymers of styrene and divinylbenzene. Part 3. G. L. Starobinets, V. S. Soldatov. Zhur. fiz. khim. 38 no. 4:992-995 Ap '64.

THERMODYNAMICS—TABLES, CALCULATIONS, ETC.

International skeleton tables of the thermodynamic properties of water and water vapor. Teploenergetika 11 no. 4:84-87 Ap '64.

THERMOELECTRICITY

Thermoelectric cooling and its practical uses. A. R. Regel', E. A. Kolenko. Vest. AN SSSR 34 no. 5:86-92 My '64.

THERMOMAGNETISM

Effect of thermomagnetic treatment on internal friction in ferromagnetics. F. N. Dunaev. Izv. vys. ucheb. zav.; fiz. no. 2:183-184 '64.

Thermomagnetic quenching of P18 steel. L. A. Chudakovskaia and others. Metalloved i term. obr. met. no. 5: 10-13 My '64.

THERMOMETERS

Autonomous temperature recorders G. G. Chernyshev Probl. Arkt. i Antarkt. no. 16:89-91 '64.

Study on contact thermometers. A. A. Savchenko. Trudy Inst. fiz. Zem. no. 29 134-141 '63.

THERMOMETERS AND THERMOMETRY, MEDICAL

Use of skin thermometry in differential diagnosis of some acute surgical diseases of the abdominal cavity G A Morgunov Khirurgiia 38 no 12 77-79 D '62

THERMOMETRY

Analysis of two circuits for measuring slight temperature changes. V. A. Tulin. Trudy. Inst. fiz. Zem. no. 29:102-111 '63.

Error in the measurement of surface temperature with a resistance thermometer. V S. Novopavlovskii Inzh.-fiz. zhur 7 no. 5 52-58 My '64.

Precision of temperature measurements with semiconductor thermistors. V. IA. Kozhukh. Priborostroenie no. 3:9-10 Mr '64.

Temperature fluctuations in the heating flues of coke ovens. V. G. Shatenshtein, M. I. Bychev. Koks i khim. no. 4:21-23 '64.

Thermoindicators. A. Z. Sadkov. Metalloved. i term. obr. met. no. 5:47-48 My '64.

THERMONUCLEAR REACTIONS

Cudars, Jazeps, and Aleksandrs, Okmanis. [Thermonuclear reactions in the cosmos and experiments] Kodoltermiskas reakcijas kosmosa un eksperimentos. Riga, Latvijas Valsts izd-ba, 1964. 122 p. [In Latvian]

THERMOSTAT

Apparatus for the thermostatic control of specimens in nuclear magnetic resonance experiments. V. I. Ermakov, P. A. Zagorets, A. P. Grunau. Zhur. fiz. khim. 38 no. 4: 1030-1031 Ap '64.

Comparative evaluation of thermostats with different principles of action. V. A. Tulin. Trudy Inst. fiz. Zem. no. 29:112-121 '63.

Multiple-point relay-pulse temperature control in heat-treating furnaces. S. B IUrovetskii. Priborostroenie no. 3:26-27 Mr '64.

New thermostats; an informative report. N. L. Kharanovich. Lab. delo no. 2:122-124 '64.

THIAZOLE

Cyanine dyes from 2-methylacenaphtheno-4', 5' : 4, 5-thiazole. A. V. Stetsenko, L. I. Kravets. Ukr. khim. zhur. 30 no. 1:75-80 '64.

Synthesis and conversions of furan derivatives. Part 1: Synthesis and conversions of 2-amino -4-(2'-furyl)-thiazole. N. O. Saldabol, A. IA. Medne. Zhur. ob. khim. 34 no. 3:980-983 Mr '64.

THIAZOLIDINE

Thiazolidine derivatives with antianemic action. M. M. Turkevych, K. M. Serdiuk, L. M. Sichkoriz. Farmatsev. zhur. 14 no. 3 13-17 '59.

THIAZOLIDINEDIONE

Experimental study of the antitubercular activity of thiazolidine derivatives. S. M. Kapustiak. Farmatsev. zhur. 14 no. 3:6-13 '59.

Synthesis of 2,4-thiazolidinedione hydrazones. O. F. Pavlenko. Farmatsev. zhur. 14 no. 4:3-7 '59.

THIAZOLIDINONE

Mechanism of alkaline hydrolysis of pseudothiohydantoin and its derivatives. A. V. Shelud'ko. Farmatsev. zhur. 14 no. 4:8-13 '59.

Thiazoline and thiazolidine series. Part 3: Synthesis of 3-alkyl-2-thiazolidones. K. K. Kuz'mina and others. Zhur. ob. khim. 34 no. 3:987-988 Mr '64.

THICKENING AGENTS

Use of coagulating agents in the thickening of red (Bayer) muds. I. K. Skobeev. Nauch. trudy IPI no. 19:121-135 '63.

THIOLS

Histochemical studies on thiol groups of proteins in various structures of the visual analysor in rabbits and guinea pigs in ontogenesis. A. S. Chekunov. Zhur. vys. nerv. deiat. 14 no. 1:155-160 Ja-F '64.

THIOPHENE

Bromination and chloromethylation of 2-thiophenealdehyde in the presence of an excess of aluminum chloride. IA. L. Gol'dfarb, IU. B. Vol'kenshtein, B. V. Lopatin. Zhur. ob. khim. 34 no. 3:969-977 Mr '64.

THIOPHENE—ACOUSTIC PROPERTIES

Oscillatory relaxation in thiophene vapors. IU. A. Bashlachev, V. F. IAkovlev. Akust. zhur. 10 no. 2: 241-242 '64.

THIXOTROPY

Dielectric constant of some thixotropic systems. B. I. Soldatov. Pratsi Od. un. Zbir. stud. rob. 146 no. 4: 161-166 '56.

Effect of thixotropy on visco-plastic fluid flow. N. P. Leshchii, D. IU. Mochernniuk. Izv. vys. ucheb. zav.; neft' i gaz 6 no 8:71-76 '63

THORIUM ACETATE

Thorium acetates. I. Geletseanu and others. Radiokhimiia 6 no 1 93-101 '64.

THORIUM ISOTOPES

Radioactivity of ocean suspensions. Part 1: Thorium isotopes in ocean suspensions IU. V Kuznetsov and others. Radiokhimiia 6 no. 2:242-254 '64.

THORIUM ISOTOPES—THERAPEUTIC USE

Treatment of neurodermatitis circumscripta with radioactive bandages containing an active coating of daughter products of thorium (alphatherapy) [with summary in English] A F Tret'iakov, E S Shchepot'eva Vest derm i ven 37 no 9 34-38 S '63

THORIUM MOLYBDATES

Products of addition of some organic bases to thorium molybdenic heteropolyacid. S. A. Gavrilova, Z. F. Shakhova, G. M. Petrachkova. Vest. Mosk. un. Ser. 2: Khim. 19 no. 2:54-58 Mr-Ap '64.

THORIUM OXIDES

Conductance of solid oxides. Part 7: Systems ThO_2 - BeO, ThO_2 - MgO, ThO_2 - SrO, ThO_2 - BaO. Z. S. Volchenkova, S. F. Pal'guev. Trudy Inst. elektrokhim. UFAN SSSR no. 4:67-81 '63.

THORIUM OXIDES—PHYSIOLOGICAL EFFECT

Blastomogenic action of thorotrast in experimental chronic radiation sickness [with summary in English]. IA. Chalisov, A. N Kishkovskii. Med. rad. 8 no. 10:65-71 O '63.

THOUGHT AND THINKING

Correlations of various parts of the human cerebral cortex during intellectual work M. N. Livanov, N. A. Gavrilova, A. S. Aslanov. Zhur vys. nerv. deiat. 14 no. 2 185-194 Mr-Ap '64

Studying the process of thinking, based on the conference materials of the academic council. N. Kurochkin. Vest. Mosk. un. Ser. 8; Ekon., filos. no. 3:80-91 My-Je '64.

THRIPS—EXTERMINATION see subdivision under Kurgan Province

THROAT—DISEASES

Zilinskas, Stasis. [Ear, nose and throat diseases] Ausu, nosies ir gerkles ligos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 300 p. [In Lithuanian] (DNLM)

THROMBOPHLEBITIS

Course of pregnancy and labor after thrombophlebitis of the deep femoral vein. L. A. Zatsiorskaia. Akush. i gin. no. 1 110-112 '63.

Thrombophlebitis as a sympton of a latent malignant neoplasm L G Fishman Khirurgiia 38 no. 12:63-66 D '62.

THROMBOSIS

Pararenal hypernephroma with thrombosis of the "I" renal vein. Kh. G. Gutkin. Vop. onk. 8 no. 11:105-107 '62.

Restoration of the arterial circulation in extracranial occlusions of the carotid artery. V. Marinesku, D. Setlachek, F. Nash. Khirurgiia 39 no. 8:100-107 Ag '63.

THYMOL

Technique of performing the thymol turbidity test and its results in epidemic hepatitis. N. A. Kosarikhina. Lab. delo no. 2:81-84 '64.

Thymol test in experimental liver diseases. Ch. I. Burshtein, B. I. Kinel. Lab. delo no. 2:85-87 '64.

THYROID GLAND

Basic properties of the parafollicular cells of the thyroid gland [with summary in English]. A. A. Voitkevich. Arkh. anat., gist. i embr. 44 no. 5:52-56 My '63.

Dynamics of the growth and development of the thyroid gland and bones in chicks fed various microdose supplements of iodine V T Gorianov Nauk. pratsi Zootekh. fak Kam.'-Pod sil'hosp inst. 5.47-51 '63

Effect of uranium nitrate on the thyroid of white rats under chronic experimental conditions [with summary in English]. T. M. Zidrashko, D. I. Golovin. Arkh. anat., gist. i embr. 44 no. 5:63-67 My '63.

THYROID GLAND—CANCER

Compound treatment of malignant neoplasms of the thyroid gland. V. P. Mikhalevskii. Vop. onk. 8 no. 9:95-100 '62.

THYROID GLAND—DISEASES

Respiration of the thyroid tissue in pathology of the thyroid gland. N. Nigmatov. Trudy Inst. kraev. eksper. med. no. 5.130-133 '63.

THYROID GLAND—SURGERY

Greiman, A. A. [Surgical treatment and pathomorphology of goiter; clinical morphological data for the White Russian S.S.R.] Khirurgicheskoe lechenie i patomorfologiia zoba, kliniko-morfologicheskie materialy po Belorusskoi SSR. Minsk, Izd-vo 'Belarus'," 1964. 134 p.
(DNLM)

THYROID GLAND—TUMORS

[illegible] of the thyroid gland. G. I. Chechel[illegible] [illegible] Gruz SSR 30 no 3 347-352 Mr '63

THYROID HORMONES

[illegible] and the administration of [illegible] formation by the thyroid gland in white mice. D. M. Autov. Trudy Inst. kraev. [illegible] no.5 126-129 '63.

Radioactive iodine (I^{131}) used in determining the hormonal activity of the thyroid gland in rats following castration A. A. Ba[illegible]ian and others. Vop radiobiol.[AN Arm. SSR] 3/4 225-228 '63

Regulation of [illegible] splitting in a rat liver by thyroid hormones. [illegible] Vop. med. khim. 9 no.1 95-96 Ja-F '63

THYROIDIN

Restoration of myoneural connections following skeletal muscle trauma in mammals after administration of vitamin B_{12} and the combined action of vitamin B_{12} and thyroidin [with summary in English]. T. M Kovalenko. Arkh. anat., gist. i embr. 44 no 5 68-74 My '63.

TICKS

(see also subdivision under Ubsu Nur Depression)

Interrelations between the yellowhammer and the tick Ixodes persulcatus [with summary in English]. E. I Korenberg, Z. M Zhmaeva. Zool. zhur. 43 no 2 282-284 '64

TICKS—EXTERMINATION

(see also subdivision under Kuybyshev Province; Sverdlovsk Province; Tomsk Province)

Control of the principal carrier and host of the virus of tick-borne encephalitis in nature. N. V. Gorchakovskaia. Vop. med. virus. no. 6 121-125 '59.

Results of decreasing the incidence of tick-borne encephalitis by means of exterminating carriers in nature. I. N. Levkovich, A. V. [illegible]erman, N. N. Gorchakovskaia. Vop. med. virus. no. 6 110-116 '59

Testing of the NBKG-17 hexachloran smoke pots in the control of the tick Ixodes persulcatus, carrier of encephalitis. N. N. Gorchakovskaia and others. Vop. med. virus. no 6 151-156 '59.

TICKS—HOST ANIMALS

(see also subdivision under Alzamay region, Irkutsk Province, Irkutsk Province)

Localizing ixodid ticks on the body of small mammals. I. S. Vasil'eva. Mat. k pozn. fauny i flory SSSR. Otd. zool. no 39 284-293 '64

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Alzamay region, Irkutsk Province; Irkutsk Province, Prokop'yevsk District; Ural Mountains)

Experimental data on the infection of the tick Ixodes persulcatus by the virus of tick-borne encephalitis. A. L. Dumina. Vop. med. virus. no. 6 132-135 '59.

Method of study of the virological and immunological characteristics of the foci of tick-borne encephalitis. I. N. Levkovich, A. L. Dumina, N. N. Bogomolova. Vop. med. virus. no. 6,78-82 '59.

Natural tularemia foci in Khabarovsk Territory. P. V. Aoushkevich and others. Zhur. mikrobiol., epid. i immun. 40 no.5:46-51 My '63.

Present status of the problem of tick-borne encephalitis. I. N. Levkovich. Vop. med. virus. no. 6 3-11 '59.

TIDES

(see also subdivision under Arctic regions)

Calculation of the extreme heights of tides. V. I. Peresypkin. Trudy AANII 248,62-66 '63.

Method for the precalculation of tides based on the harmonic constants and the data of "Astronomicheskii ezhegodnik." N. P Shesterikov. Probl. Arkt. i Antarkt. no.16:27-34 '64.

TIEN SHAN—BIRDS

Bird population of syrts in the central and inner part of the Tien Shan. R. L. Zlotin, IU. G. Puzachenko. Ornitologiia no 6 253-263 '63

TIEN SHAN—FAULTS (GEOLOGY)

Burtman, V. S. [Talas-Fergana fault (Tien-Shan)] Talaso-Ferganskii sdvig (Tian'-Shan'). Moskva, Izd-vo "Nauka," 1964. 142 p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no. 104)

________ diagrs.

Main strike-slip faults in the Tien Shan and Pamirs. V. S. Burtman, A. V. Peive, S. V. Ruzhentsev. Trudy GIN no.80:152-172 '63.

Talas Fergana strike-slip fault and San Andreas Fault. V. S. Burtman. Trudy GIN no.80:128-151 '63.

TIEN SHAN—GEOLOGY, STRUCTURAL

Tectonic zones of the Gissar-Alay Paleozoic fold area in the Dushanbe-Shakhristan intersection. M. M. Kukhtikov. Trudy Inst. geol. AN Tadzh SSR 7 191-237 '63.

TIEN SHAN—ORE DEPOSITS

Akademiia nauk Kirgizskoi SSR, Frunze. Institut geologii. [Materials on the lithology, geochemistry, and mineralization of sedimentary formations in the Tien Shan] Materialy po litologii, geokhimii i orudeneniiu osadochnykh tolshch Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 115 p.

Alpine endogenetic mineralization of some regions in the eastern Tien Shan. L. I. Turbin, V. V Malygin. Zakonom. razm. polezn. iskop 7:385-387 '64

TIEN SHAN—ROCKS, IGNEOUS

Perchuk, L. L. [Physicochemical petrology of the granitoid and alkali intrusions of the central Turkestan and Alay Ranges] Fiziko-khimicheskaia petrologiia granitoidnykh i shchelochnykh intruzii TSentral'nogo Turkestano-Alaia. Moskva, Izd-vo "Nauka," 1964. 240 p.

TIEN SHAN—ROCKS, SEDIMENTARY

Akademiia nauk Kirgizskoi SSR, Frunze. Institut geologii. [Materials on the lithology, geochemistry, and mineralization of sedimentary formations in the Tien Shan] Materialy po litologii, geokhimii i orudeneniiu osadochnykh tolshch Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 115 p.

TIFLIS REGION—MITES

Tyroglyphid mites of the Tiflis area. G. Sh Kadzhaia. Soob AN Gruz SSR 30 no 3 329-334 Mr '63

TIFLIS RESERVOIR—FISHES

Materials on ichthyofauna of Tiflis Reservoir. M. G. Demetrashvili. Trudy Inst. zool AN Gruz SSR 19 119-130 '63

TIFLIS RESERVOIR—FISHES—FOOD

Materials on feeding habits of fishes in Tiflis Reservoir. A. B. Kokhiia. Trudy Inst. zool. AN Gruz. SSR 19 141-161 '63.

TIFLIS RESERVOIR—OLIGOCHAETA

Oligochaetes of Tiflis Reservoir. A. I Pataridze. Trudy Inst. zool. AN Gruz. SSR 19 163-204 '63.

TIGIL' DISTRICT—GEOLOGY, STRUCTURAL

Geological interpretation of the geophysical anomalies in the Tigil' district of West Kamchatka. L. A. Rivosh. Zap. LGI 46 no.2:87-95 '63

TIGIL' DISTRICT—PROSPECTING—GEOPHYSICAL METHODS

Geological interpretation of the geophysical anomalies in the Tigil' district of West Kamchatka. L. A. Rivosh. Zap. LGI 46 no.2:87-95 '63.

TIKOTSKII, EVGENII KARLOVICH, 1893-

E. K Tikotskii. N. Aladov. Sov. muz. 27 no.12:134-135 D '63

TIKSI BAY—WINDS

Representativeness of the wind on the Tiksi Bay Polar Station. M. A. Masterskikh. Probl. Arkt. i Antarkt. no 16,41-43 '64.

TILE LAYING

Polikarpov, T. A. [Album of designs for the laying of ceramic floor tiles] Al'bom uzorov dlia vykladki polov iz plitok. Kiev, Gosstroiizdat USSR, 1964. 6 p. illus.

TILIGULO ESTUARY—FISHES—FOOD

Materials on the study of feeding habits of gobies in the Tiligulo Estuary. R. A. Krivosheeva. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:125-127 '56.

TILIGULO ESTUARY—GOBIES

Materials on the study of feeding habits of gobies in the Tiligulo Estuary. R. A. Krivosheeva. Pratsi Od. un. Zbir. stud. rob. 146 no. 4:125-127 '56.

TILLAGE

(see also subdivision under Kulunda Steppe; Kustanay Province; Saratov Province; Uzbekistan)

Review of B. V. IAkovlev's brochure. I. F. Pavlov. Zashch. rast. ot vred. i bol. 9 no.2:62-63 '64.

TILLAGE—EQUIPMENT AND SUPPLIES

Soiuzsel'khoztekhnika, vsesoiuznoe ob"edinenie. [Get the most use from machinery in sowing grain crops; recommendations for collective and state farms] Vysokoproizvoditel'no ispol'zovat' tekhniku na posove zernovykh kolosovykh kul'tur; rekomendatsii kolkhozam i sovkhozam. Moskva, Biuro tekhnicheskoi informatsii i reklamy, 1963. 58 p.
(DNAL)

TIMAN RANGE—GEOLOGY, STRUCTURAL

Raznitsyn, V. A. [Tectonics of the southern Timan Range] Tektonika IUzhnogo Timana. Moskva, Izd-vo "Nauka," 1964. 149 p.

TIME PERCEPTION

Changes in the bioelectrical activity of the cerebral cortex in man during the generation motor conditioned reactions to time. I. S. Dobronravova. Zhur. vys. nerv. deiat. 14 no. 1:33-39 Ja-F '64.

TIME STUDY

Method of developing consolidated norms for the intensity of labor involved in manufacturing new articles with the aid of electronic computers. S. Sarkisian, E. Minaev. Sots. trud 9 no.5:65-70 My '64.

Using labor intensity index for planning. S Pogostin. Sots. trud 9 no.6:155-157 Je '64.

"Work factor time standards measurement," a system of breaking down norms into minute elements. Sots. trud 9 no.5:99 My '64.

TIMPTON VALLEY—GEOLOGY, STRUCTURAL

Characteristics of tectonic disturbances and their relation to the perennially frozen rocks. S. F. Khrutskii. Vest. Mosk. un. Ser. 5: Geog. 19 no. 3:67-68 My-Je '64

TIN

Homolytic reactions of tetraethyltin with propyl bromide. G. A. Razuvaev and others. Izv. AN SSSR. Ser. khim. no.5:848-854 My '64.

Reactions of tetrapropyl- and tetraisopropyltin with benzoyl peroxide. N. S. Vyazankin, G. A. Razuvaev, T. N. Brevnova. Zhur. ob. khim. 34 no.3:1005-1009 Mr '64.

TIN—ANALYSIS

Use of a spectrograph for determining indium and germanium impurities in tin. F. I. Kogan, P. N Kovalenko, Z. I. Ivanova. Ukr. khim. zhur. 30 no. 4:395-398 '64

TIN—ELECTROMETALLURGY

Losses of tin and lead during dissolution in the systems of fused salts $SnCl_2$ - (KCl) and $PbCl_2$ - (KCl - NaCl). A. A. Kolotii, V. I. Kucherenko. Ukr. khim. zhur. 30 no. 1:57-59 '64.

TIN-ALUMINUM ALLOYS see Aluminum-tin alloys

TIN CANS

Magnetic conveyer for empty tin cans. I. G. Shif. Ryb. khoz. 40 no. 1:80-83 '64.

TIN ORGANIC COMPOUNDS

Evidence of the heterolytic mechanism of reactions of triphenyltin hydride. A. E. Borisov, A. N. Abramova, Z. N. Parnes. Izv. AN SSSR. Ser. khim. no.5:941-943 My '64.

Interaction of triphenyltin hydride with oxygen and some halogen-containing organic and inorganic compounds. A. E. Borisov, A. N. Abramova. Izv. AN SSSR. Ser. khim. no.5:944-949 My '64.

Mössbauer effect in organic compounds of bivalent tin. V. I. Gol'danskii, V. IA. Rochev, V. V. Khrapov. Dokl. AN SSSR 156 no.4:909-911 Je '64.

Synthesis of unsymmetrical aliphatic-alicyclic tin compounds. G. F. Rubinchik, Z. M. Manulkin. Zhur. ob. khim. 34 no.3:949-951 Mr '64.

TIN PLATING

Cathodic polarization of a silicon electrode in the electrodeposition of tin and nickel. V. P. Zosimovich, V. D. Nemtsov. Ukr. khim. zhur. 30 no. 1:59-62 '64.

TINNING

Dimensional tinning of aluminum alloy bearings. L. S. Vozdvizhenskaia. Trudy TSNII MPS no. 277:97-100 '64.

TIRASPOL' DISTRICT—AGRICULTURE—AUDITING AND INSPECTION

"People's controllers at work." N. Shtangin. Komm. Mold. 9 no. 2:77-80 F '64.

TIRES, RUBBER

(see also subdivision under Dnepropetrovsk)

Balabin, I. V., and V. A. Putin. [Motor vehicle and tractor wheels] Avtomobil'nye i traktornye kolesa. Pod obshchei red. I. V. Balabina. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 334 p.

Improve calculating production costs in the tire industry. A. Trusov. Bukhg. uchet 21 no. 4:15-19 Ap '64.

TISSUE CULTURE

Change in the sensitivity of tumorous cells to sarcolysine in cultivation outside of the organism. I. M. Surikov, T. N. Ignatova, V. M. Bresler. Sbor. rab. Inst. tsit. *no. 7:113-119 '63.*

Comparative study of the reproduction of vaccine virus in X-ray irradiated and nonirradiated tissue culture. L. A. Kamalian, R. A. Ter-Pogosian, Zh. TS. Vartevanian. Vop. radiobiol. [AN Arm. SSR] 3/4:77-82 '63.

Cytotoxic action of the serum of patients with malignant *tumors* on HeLa cell cultures. S. Nicolau, A. Bedenolu, M. Gavrilecu. Vest. derm. i ven. 37 no. 6:7-9 Je '63.

Effect of auxin and the osmotic concentration of the medium on the growth of the fragments of corn coleoptiles. K. Z. Gamburg. Trudy Vost.-Sib. fil. AN SSSR no. 38:12-20 '62.

Importance of tissue culture in the study of oncogenic viruses. A.D.Timofeevskii. Vop.onk. 8 no.9:3-9 '62.

Preparation of the rat sarcoma 45 strain adapted to the conditions of cultivation in vitro. I.M.Surikov. Sbor. rab.Inst.tsit. no 7 109-112 '63.

Rapid method of preparing iron hematoxylin for staining monolayer cell cultures. V N Bliumkin, N I Vasilina. Vop.virus. no 6 735-736 N-D '63

Study of the properties of vaccine virus in X-ray irradiated and nonirradiated tissue culture L.A Kazaltian, Zh.TS.Vartevanian, E L Shakhnazarian Vop.radiobiol.[AN Arm.SSR] 3/4:59-64 '63.

TISSUE EXTRACTS

Results of the use of biogenic stimulators in animal husbandry P A Karasev Trudy AZVI 12 259-264 '61

TITANATES—ELECTRIC PROPERTIES

Properties of metatitanates of bivalent metals prepared by the method of thermal decomposition. B.V.Strizhkov, A.V.Lapitskii. Vest.Mosk.un.Ser.2.Khim. 19 no.1 43-46 Ja-F '64.

TITANIUM

Analyzing the composition of residual gases over titanium spray coatings G V.Mikhailova, IU A.Kulakov Prib i tekh.eksp 8 no 6 134-137 N-D '63

Current efficiency in the anodic dissolution of titanium in chloride and mixed fluoride-chloride melts. N A Loginov, M V.Smirnov. Trudy Inst.elektrokhim.UFAN SSSR no 4:29-33 '63.

Preparation of thin titanium-deuterium and titanium-tritium targets A M.Morozov, A I Shal'nikov. Prib.i tekh eksp 8 no 6 169-170 N-D '63

TITANIUM—ANALYSIS

Determination of titanium in metallic aluminum as a ternary complex titanium - salicylate - quinine. A.I. Volkova, T.E.Get'man, N.A.Lintsova. Ukr.khim.zhur. 30 no.1 102-106 '64.

TITANIUM—SPECTRA

Interpretation of line displacements in the K-series of transition elements. Wave functions for three atomic configurations of titanium. A.T.Shuvaev, G M. Chechin. Izv.AN SSSR.Ser.fiz 28 no 5 934-938 My '64.

TITANIUM ALLOYS

Use of BT14 titanium alloy in vessels. A.I.Khorev, V N. Moiseev, I.I.Kazakevich. Vest.mashinostr 44 no.5: 35-37 My '64.

TITANIUM ALLOYS—METALLOGRAPHY

Molchanova, E.K. [Atlas of constitutional diagrams of titanium alloys] Atlas diagramm sostoianiia titanovykh splavov. Pod red. S.G.Glazunova Moskva, Mashinostroenie, 1964 391 p.

TITANIUM CHLORIDES

Kinetics of $TiCl_4$-induced polymerization of 1,3-cyclohexadiene in benzene solution. B.V.Erofeev, S.F. Naumova, T.P.Maksimova. Vysokom.soed. 6 no.4: 716-721 Ap '64.

TITANIUM COMPOUNDS

Isotopic effect in the distribution of titanium compounds between water and benzene. E.M.Kuznetsova, O.T. Nikitin. Zhur.fiz.khim. 36 no.9:2050-2052 S '62.

Polarographic behavior of bis-cyclopentadienyltitanium dichloride. I.A.Korshunov, N.I.Maliugina. Zhur.ob. khim. 34 no.3:734-738 Mr '64.

TITANIUM ORES

Obtaining conditioned titanium concentrates from hard-to-concentrate titanium ores. A.P.Nadol'skii and others. Trudy IPI no.18:156-159 '63.

Zherdeva, A.N., and V.K.Abulevich. [Mineralogy of titanium placers] Mineralogiia titanovykh rossypei. Moskva, Izd-vo "Nedra," 1964. 237 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy, no. 11)

TITANIUM ORGANIC COMPOUNDS

New monocyclopentadienyl compounds of titanium. G.A. Razuvaev and others. Dokl.AN SSSR 156 no.5:1121-1123 Je '64.

TITLE PAGE

Title pages of serial publications. N.A.Nikiforovskaia. Trudy Bibl.AN SSSR 7:60-69 '63.

TITRATION

Automation of the titration process. A V.Kazakov. Trudy MIKHM 25:256-267 '63.

Complexometric determination of bismuth in preparations and medicinal mixtures. H.A.Vaisman, L.I.Rapaport, F.A.Mylchenko. Farmatsev.zhur. 14 no.3:31-36 '59.

Experimental study of the specific volume of water from isochors close to the critical value. S.L.Rivkin, G.V. Troianovskaia, T.S.Akhundov. Teplofiz.vys.temp. 2 no.2:219-229 Mr-Ap '64.

Fast complexometric method for quantitative determination of sodium sulfate F.P Suprun Farmatsev zhur 16 no.4 2 -30 '61

TIULIN, IURII NIKOLAEVICH, 1893-

IU N Tiulin L.Raaben. Sov.muz. 27 no 12 135-136 D '63

TOBACCO—STANDARDS

[Tobacco, makhorka, and tobacco products] Tabak, makhorka i tabachnye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 166 p. (SSSR.Gosudarstvennye standarty)

TOBACCO BREEDING

Hybrids of the flowering tobacco Nicotiana alata with tree tobacco. M.Z.Luneva. Biul.Glav.bot sada no.53: 27-32 '64.

TOBACCO INDUSTRY

Dorokhov, P.K., and G.L Dikker [Tobacco technology and technochemical control] Tekhnologiia tabaka i tekhnokhimicheskii kontrol' Izd 2 , perer i dop Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 391 p.

TOBOL'SK—ARCHITECTURE

Kochedamov, V I. [Tobol'sk; how the city grew and was built] Tobol'sk, kak ros i stroilsia gorod. [Tiumen'] Tiumen'skoe knizhnoe izd-vo, 1963. 154 p

TOCOPHEROL

Quantitative determination of vitamin E in plants. A.P Reviats'ka. Farmatsev.zhur. 15 no.5:64-66 '60.

TOLERANCE (ENGINEERING)

Allowed extent of the interlacing of axes of connecting rod heads of a trunk engine. P.A.Dolinskii, B.IA. Surnovskii Vest.mashinostr. 44 no 5 50-51 My '64.

Penza. Mashinostroitel'nyi tekhnikum. [Allowances, fits and technical measurements; manual for students of secondary specialized correspondence schools] Dopuski, posadki i tekhnicheskie izmereniia; uchebno-metodicheskoe posobie dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 17 p.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

New word about L.N.Tolstoi. A.Reviakin Oktiabr' 40 no.1:208-212 Ja '64.

Realism of L.Tolstoi's and P.Myrnyi's literary works. V.V.Fashchenko. Pratsi Od.un.Zbir.stud.rob 146 no.4:33-39 '56.

TOLUENE

Synthesis of sodium isodecyl toluene sulfonate on a base of amylene dimers. L A Potolovskii, L I.Kostrikin Trudy VNII NP no 9 170-176 '63

Separating benzol and toluene from hydrocarbon mixtures using a 13Kh zeolite. M N.Teleshova, R.V.Vigalok. Neftepor.i neftekhim. no.1:13-15 '64.

TOLUENE—THERAPEUTIC USE

Treatment of superficial fungal diseases of the skin with trinitrotoluene preparations. V.D.Makeev Vest derm.i ven. 37 no.6:36-38 Je '63.

TOLUIDINE BLUE

Chemoprophylaxis in experimental rabies. V L.Elin, V A Florensova Trudy Irk IEG no 5 194-198 '60

TOMAS, MIKHAIL DMITRIEVICH, 1883-1929

Berezhnoi, I.S., and R.D.Chaichuk. [Mikhail Tomas, a soldier of three Russian revolutions] Mikhail Tomas - soldat trekh russkikh revoliutsii. Odessa, Izd-vo "Maiak," 1964. 53 p.

TOMATO BREEDING

Developing a new tomato form by means of vegetative and sexual hybridization. E.P.Okhova. Agrobiologiia no.2:231-235 Mr-Ap '64.

TOMATOES

(see also subdivision under Siberia, Eastern)

Experience in the mechanization of tomato cultivation. G.E.Usik. Kons.i ov.prom. 19 no.4:26-27 Ap '64.

Studying the progeny of tomato varieties grown from seeds irradiated with gamma rays. M.A.Musaev, T.IU.Abdullaeva. Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.1:25-30 '64.

TOMSK—HARDBOARD

Boards from sawdust. T.I.Bobrikova, N.A.Mitiukovich. Der.prom. 13 no.6:23 Je '64.

TOMSK PROVINCE—ENCEPHALITIS—PREVENTION

Results of tick control in the Tomsk focus of tick-borne encephalitis. S.P.Karpov and others. Vop.med. virus. no.6:127-130 '59.

[illegible]

[illegible]

Results of tick control in the Tomsk focus of tick-borne encephalitis. S P Karpov and others Vop.med. virus. no.6 127-130 '59.

TONGUE—CANCER

Evaluation of ligation of the external carotid artery in the treatment of cancer of the oral cavity and tongue. V A.Gremilov. Vop onk 8 no 11 77-84 '62.

TONKOV, VLADIMIR NIKOLAEVICH, 1872-1954

History of the Kazan period activity of V.N.Tonkov V.V.Kuprianov. Arkh.anat.gist.i embr. 43 no.10: 109-119 O '62

Session of the Leningrad Society of Anatomists, Histologists and Embryologists, dedicated to the 90th anniversary of the birth of V N Tonkov Z V Gal'tsova. Arkh. anat.gist.i embr. 43 no.10 121-122 O '62.

TONSILS—DISEASES

(see also subdivision under Tula Province)

Preobrazhenskii, B.S., and I.E.Stikliankin. [How to protect yourself from angina and its sequelae] Kak uberech'sia ot anginy i ee posledstvii. Moskva, Izd-vo "Znanie," 1964. 22 p. (Narodnyi universitet. Fakul'tet zdorov'ia, no.9)

Protective streptococcal antibodies (M-antibodies) in the serum on tonsillitis patients O.I.Vvedenskaia, G.I. Petrov. Zhur.mikrobiol.,epid.i immun. 40 no.10: 96-101 O '63.

TONSILS—INNERVATION

"Neural apparatus of the tonsils normally and in pathology" by I B.Soldatov Reviewed by N.G Kolosov Arkh anat.,gist i embr 14 no 4 119-121 Ap '63

TOOL STEEL

Answers to letters to the editors. N.I.Shchapov, IU.A. Geller. Metalloved.i term.obr met no.4:60-64 Ap '64.

Structure and properties of molybdenum alloyed rapid steels. G.A.Kossovich, IU.A.Geller. Metalloved. i term.obr.met. no.5 3-9 My '64.

TOOL STEEL—HARDENING

More on the hardening of saw teeth. K.I.Dem'ianovskii, V.I.Byzov. Der.prom. 13 no.6 15-16 Je '64.

TOOL STEEL—HEAT TREATMENT

New technology of heat treating rapid steel punch dies. V.N.Salkina. Metalloved.i term.obr.met. no.5:13-14 My '64.

TOOL STEEL—METALLOGRAPHY

Recrystallization of austenite in rapid steel following hot plastic deformation. K.A.Malinina. Metalloved.i term.obr.met. no.5:15-17 My '64.

TOOL STEEL—QUENCHING

Thermomagnetic quenching of P18 steel. L.A.Chudakovskaia and others. Metalloved.i term.obr.met. no.5: 10-13 My '64.

TOOL STEEL—TABLES, ETC.

Supplement: Selection of tool steel. Metalloved.i term. obr.met. no.5:31-34 My '64.

TOOLS

New sets of tools I Feigin Tekh v sel'khoz 24 no 5 69-71 My '64

TOP

Case of stability of the unsteady motion of a top on a plane. V.M.Morozov. Vest.Mosk un Ser 1:Mat., mekh. 19 no.3:70-74 My-Je '64

TOPOLOGY

Analytic expression for the linear measure of a plane connected set. G.E.Perevalov Sib.mat.zhur. 5 no.3:626-638 My-Je '64.

Calculating the index of a fixed point in a vector field. P.P.Zabreiko, M.A.Krasnosel'skii. Sib.mat.zhur. 5 no.3:509-531 My-Je '64.

A criterion of completeness. IU.A.Kaz'min. Sib.mat. zhur. 5 no.3:549-556 My-Je '64.

Extension of measures in continuity. L.IA.Savel'ev. Sib.mat.zhur. 5 no.3:639-650 My-Je '64.

Field rotation in a theorem in the theory of crude dynamic systems on a torus. S.Kh Aranson. Dokl.AN SSSR 156 no.5:995-998 Je '64.

Free locally convex spaces of uniform spaces. D.A. Raikov. Mat.sbor. 63 no.4:582-590 Ap '64.

Frink's theorem. S.R Kogalovskii Usp mat.nauk 19 no 2 143-145 Mr-Ap '64

Review of some recent advances in differential topology. S.Smale. Usp.mat.nauk 19 no.1:125-138 Ja-F '64.

Some homotopic properties of a space imbedding a circle inside a sphere or ball A.M.Vinogradov. Dokl.AN SSSR 156 no.5:999-1002 Je '64.

TORAIGYROV, SULTAN-MAKHMUD, 1893-1920

Idea of social equality in Sultan-Makhmud Toraigyrov's work. M.S.Diusenov. Vest.Mosk.un.Ser.8:Ekon., filos. 19 no.2:82-87 Mr-Ap '64.

TORSION

Torsion of a circular cylinder having a noncoaxial polyhedral cavity. S. S. Zargarian. Dokl. AN Arm. SSR [illegible] no. 4 217-230 '64.

TOUCH

"Finger sight" and "clairvoyance" by L. Teplov. Reviewed by N. D. [illegible] Priroda 53 no. 6 74-76 '64.

TOURISM see subdivision under United States

TOWING

Mashchenko, V. P. [A 60 days' effort] 60 dnei podviga [Odessa] Odesskoe knizhnoe izd-vo, 1963 141 p

TOXEMIA

(see also subdivision under Alma-Ata Province)

Acute pancreatitis as a complication of toxicosis in the second half of pregnancy. N. K. Berashevich, A. A. Siviako, IU. N. Andriushin. Akush. i gin. no. 1 121-123 '63

TOXICOLOGY

Importance of liver and gastric function in the development of skin lesions caused by epoxy resins and nickel salts [with summary in English]. L. P. TSyrkunov Vest derm i ven 37 no 6:27-30 Je '63.

Method of conditional reflexes as a test in sanitary-toxicological investigations. S. N. Cherkinskii, V. N. Tugarinova. San. okhr. vod. ot zagr. prom. stoch. vod. no. 5 399-409 '62.

Statistical treatment of materials for studying the conditioned reflex activity of animals in toxicological experiments. V. E. Miklashevskii, V. N. Tugarinova, San. okhr. vod. ot zagr. prom. stoch. vod no. 5:370-383 '62.

TOXICOLOGY—ABSTRACTS

[Pharmacology Toxicology] Ref zhur.: Farm Toks. no. 12 Je '64

TOXINS AND ANTITOXINS

Change in the pH during the period of growth and toxin formation of the diphtheria bacillus due to rennin fermentation in the culture medium with different quantities of glucose F. T. Zhidkova Trudy Irk IEG no 5 73-76 '60

Effect of different quantities of glucose on toxin formation by the diphtheria microbe F. T. Zhidkova Trudy Irk IEG no 5 77-81 '60

Experimental study of the immunogenic properties of combined anaerobic toxoids. Report No. 5 Immunogenic properties of combined polytoxoid in primary immunization of animals. G. V. Vygodchikov and others. Zhur mikrobiol., epid. i immun 40 no 10 51-58 O '63

Photodynamic effect of methylene blue on the toxins of gas gangrene agents Report No 2 Photodynamic effect of methylene blue on the toxin of Clostridium perfringens R M Bunkus Trudy Irk IEG no 5 163-167 '60

Photodynamic effect of methylene blue on the toxins of gas gangrene agents Report No 3 Photodynamic effect of methylene blue on the toxin of Clostridium histolyticum R M Bunkus Trudy Irk. IEG no 5 168-175 '60

Photodynamic effect of methylene on the toxins of gas gangrene agents Report No 4 Influence of the photodynamic action of methylene blue on the detoxication of the Clostridium speticum toxin R M Bunkus Trudy Irk IEG no 5 176-180 '60

Photodynamic effect of riboflavin on the Clostridium perfringens toxin R M Bunkus Trudy Irk IEG no 5 181-185 '60

Some data on the activity of proteinases of Staphylococcus albus in vitro and in the process of toxin formation. M. V. Smirnova, Z. I. Lebedeva. Vop. med. khim. 9 no. 1 44-48 Ja-F '63.

Study of the hemolytic and toxic properties of Rickettsia prowazekii using the immune neutralization method. N. M. Balaeva, L. P. Zubok. Zhur. mikrobiol., epid. i immun. 40 no. 10:102-105 O '63.

TOXOPLASMA

Mechanism of the reaction with Sabin-Feldman stain. S. A. Filina. Izv. AN Arm. SSR. Biol. nauki 17 no. 4 101-105 Ap '64.

TOYS

Homemade toys from natural materials. Z. Kosourova. Doshk. vosp. 37 no. 5:101-104 My '64.

Let children have technical toys. G. Denisenko. Doshk. vosp. 36 no. 12:87-88 D '63.

TRACE ELEMENTS

(see also subdivision under Nakhichevan A.S.S.R.; Siberia, Eastern)

Effect of growth stimulators and trace elements on the productivity of atmospheric nitrogen fixation by attenuated Azotobacter strains E K Karasevich Dokl. TSKHA no 84 274-279 '63

Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. [Geochemistry, mineralogy, and genetic types of rare-element deposits] Geokhimiia, mineralogiia i geneticheskie tipy mestorozhdenii redkikh elementov. Moskva, Izd-vo "Nauka,"

Vol. 2. [Mineralogy of rare elements] Mineralogiia redkikh elementov. 1964. 829 p.

Minor elements as indicators of sedimentation conditions. Z. A. IAnochkina. Lit. i pol iskop no. 2:127-131 Mr-Ap '64.

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of some macro- and microelements on the growth and development of weaned young pigs. I. V Petrukhin. Khim. v sel' khoz. 2 no. 1:50-53 Ja '64.

Effect of trace elements (cobalt and copper) on some blood indices in healthy calves E F Dymko Trudy AZVI 12 365-368 '61

Effect of trace elements (cobalt and copper) on the metabolism in healthy and pneumonia-affected sheep E F Dymko Trudy AZVI 12 353-364 '61

Effect of trace elements on the kidney beans uptake of exchangeable and absorbed calcium. A V Peterburgskii, IAn Siu [Yang Hsiu] Dokl. TSKHA no 84 213-218 '63

Microelements as stimulants of the vitality of rumen microflora. V. A. Moiseev Izv. AN Kazakh. SSR Ser. biol. nauk 2 no. 1:89-92 Ja-F '64.

Trace elements in the nutrition of animals in the Tien Shan piedmont zone A K Rosliakov, A K. Baiturin Trudy AZVI 12 148-152 '61

TRACE ELEMENTS IN THE BODY

Determination of some microelements in radiation dermatitis. A. IA. Prakapchuk and others. Vestsi AN BSSR Ser. biial. nav. no. 1:92-96 '64.

TRACTOR INDUSTRY

(see also subdivision under Minsk)

Production and export specialization in the tractor industry of leading capitalist countries. P. S. Zav'ialov. BIKI [Prilozh.] no. 4:77-100 Ap '64.

Using plastic materials in the tractor industry. A. P. Begidzhanova, IU. IA. Zil'berg. Trakt. i sel'khozmash. no 5 37-39 My '64.

TRACTOR INDUSTRY—MANAGEMENT see subdivision under Kharkov; Minsk

TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Minsk

TRACTORS

Make fuller use of tractor power. F. IAlovenko, V. Timofeev, E. Ivanov. Tekh. v sel'khoz. 24 no. 3:50-53 Mr '64.

Tractor front loaders. IU. I. Kocherygin. Trakt. i sel'khozmash. no. 5 44-46 My '64.

Verbitskii, I. I., and V. V. Miliakov. [Manual for logging camp tractor operators] Spravochnik traktorista lespromkhoza. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 205 p.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur Trakt. i sel'khoz. mash. i orud. no. 6 Je '64

TRACTORS—BODIES

Truck-type cab for tractors IU Kosichenko, V Vereshchagin, IU Chernikov. Tekh v sel'khoz 24 no. 5 65-69 My '64

TRACTORS—DYNAMICS

Effect of the increase of speed on the efficiency of tractor wheeled propellers. P. P. Shevtsov, N. G. Kuznetsov. Trakt. i sel'khozmash. no. 5:16-17 My '64.

Lateral stability of a truck tractor with a hinged frame. V. M. Boklag. Trakt. i sel'khozmash. no. 5:12-13 My '64.

TRACTORS—ENGINES

[Checking the technical condition of a tractor diesel engine without dismantling] Traktorite diiselmootorite tehnilise seisukorra kontrollimine ilma lahti monteerimata. [By] V. Bovda ja teised. Tallinn, Eesti Riiklik Kirjastus, 1964. 57 p. [In Estonian]

Ways of increasing the reliability and durability of tractor engines. I. N. Velichkin. Trakt. i sel'khozmash. no. 5,3-6 My '64.

TRACTORS—EQUIPMENT AND SUPPLIES

New machinery mounted on the "Belarus'" MT3-50 and MT3-52 tractor. I. S. Velitskii, M. N. Emzhin. Stroi. i dor. mash. 9 no. 5.13-14 My '64.

TRACTORS—FUEL SYSTEMS

Changing fuel pumps V. Terskov. Tekh. v sel'khoz 24 no 5 73 My '64

Gasoline-diesel fuel process of tractor engines A. Sakharov Tekh v sel'khoz. 24 no 5 74-79 My '64

Increasing the reliability of the work of fuel injectors. I. A. Michkin, M. K. Kopylov. Trakt. i sel'khozmash. no. 5 10-12 My '64.

TRACTORS—HYDRAULIC EQUIPMENT

Apparatus for adjusting filter valves. V. Fedoseev. Tekh. v sel'khoz. 24 no. 3:80-81 Mr '64.

Device for studying the systems of the automatic control of a tractor with hydrostatic type hydraulic transmission. A. T. Lebedev, M. N. Kodenko. Trakt. i sel'khozmash. no. 5 8-10 My '64.

[Hydraulic suspension system consisting of separate units for farm tractors] Razdel'no-agregatnaia gidravlicheskaia navesnaia sistema sel'skokhoziaistvennykh traktorov. [By] N. M. Ioffe i dr. Izd. 2., dop. i ispr. Moskva, Vysshaia shkola, 1964. 175 p.

TRACTORS—MAINTENANCE AND REPAIR

(see also subdivision under Siberia; Tyumen' Province)

Estonian S. S. R. Koondis "Eesti pollumajandustehnika." [Maintenance of DT-24 and T28 tractors. Translated from the Russian] Traktorite DT-24 ja T28 tehniline hooldamine. Tallinn, Eesti Riiklik Kirjastus, 1963. 110 p. [In Estonian]

Interchangeable bearings for engine repairing. A. Lazarev, K Naletov Tekh v sel'khoz. 24 no 5 62-65 My '64

Reconditioning bushings by jolting. J. Janetkiene. Tekh. v sel'khoz 24 no. 3:49 Mr '64.

TRACTORS—NOISE

Using the theory of random processes for studying the noise in a tractor operator's cabin. B. V. Pavlov, M. A. Kolmakov. Vest. sel'khoz. nauki 9 no. 3:95-101 F '64.

TRACTORS—RELIABILITY

Measurements of the reliability of tractors and agricultural machines. I. I. Trepenenkov. Trakt. i sel'khozmash. no. 5:1-3 My '64.

TRACTORS—STARTING DEVICES

Special features in the design of automobile and tractor starter motors. N Z. Mastiaev. Trudy MEI no. 39:257-274 '62.

TRACTORS—TECHNOLOGICAL INNOVATIONS

Ways of increasing the longitudinal base of a tractor and the metal requirements. I. I. Karabanov. Stroi. i dor. mash. 9 no. 3:20-21 Mr '64.

TRACTORS—TIRES

Extend the serviceability of tires. N. Golubnichii. Tekh. v sel'khoz. 24 no. 3:59-60 Mr '64.

TRACTORS—TRANSMISSION DEVICES

Checking the technical condition of gearboxes without dismantling. M. Khalfin. Tekh. v sel'khoz. 24 no. 3: 76-77 Mr '64.

Dependence of the work of a friction-type variable speed governor on the operating conditions of engines. G. IA. Vulakh. Trakt. i sel'khozmash. no. 5:13-15 My '64.

Hydrodynamic transformers in tractor transmissions [with summaries in English, German, and French]. N. S. Kabakov. Vest. sel'khoz. nauki 8 no. 9:88-93 S '63.

TRACTORS—WHEELS

Balabin, I. V., and V. A. Putin. [Motor vehicle and tractor wheels] Avtomobil'nye i traktornye kolesa. Pod obshchei red. I. V. Balabina. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 334 p.

TRADE UNIONS

(see also subdivision under Africa; Argentina; Ceylon; Gorkiy; Kaduy, Vologda Province; Kustanay Province; Latin America; Latvia; Leningrad; Moldavia; Ossetia, North; South Africa, Republic of; White Russia; Zaporozh'ye Province)

Activists are cultural front guards. T. Kalinnikov. Sov. profsoiuzy 20 no. 13:30-32 Jl '64.

All enterprises should share the practice of progressive workers. Okhr. truda i sots. strakh. 7 no. 6:1-2 Je '64.

Borisov, K. I. [Talks about the statutes of the trade unions of the U. S. S. R.] Besedy ob ustave profsoiuzov SSSR. [Moskva] Profizdat, 1964. 96 p. (Biblioteka profsoiuznogo aktivista, no. 13(85))

[Decisions of the All-Union Central Council of Trade Unions] Sbor. post. VTSSPS O-D '64.

Friendship knows no boundaries Z. Korchagina. Sov. profsoiuzy 20 no. 11:42-43 Je '64.

From the editor's mail Sov. profsoiuzy 20 no. 9:35 My '64.

From the editor's mail. Sov. profsoiuzy 20 no. 12:30-31 Je '64.

How is your dinner? Good! I. Mel'nikov. Sov. profsoiuzy 20 no. 9:16-18 My '64.

How to enter higher trade-union schools. Sov. profsoiuzy 20 no. 11 33 Je '64.

If you are entrusted.... N. Kotova. Sov. profsoiuzy 20 no. 9.19-20 My '64.

In the All-Union Central Council of Trade Unions. Sov. profsoiuzy 20 no. 9:8-9 My '64.

In the Central Committee of the Trade Union of Educational Workers, Higher Schools, and Scientific Institutions I. I. Grigor'ev. Sred. spets. obr. 11 no. 4:56-57 Ap '64.

Introduce technological innovations in production. Sov. profsoiuzy 20 no. 13:2 Jl '64.

Letters from the editor. Sov. profsoiuzy 20 no. 11:48 Je '64

Letters from the editor. Sov. profsoiuzy 20 no. 13:45 Jl '64.

TRADE UNIONS (Continued)

Letters from trade-union committees and production administrations. Sov. profsoiuzy 20 no.9.5 My '64.

Opinion forum; statements by V.V.Grisbin and others. Vsem.prof.dvizh. no.5:11-19 My '61.

Replies to our readers. Sov.profsoiuzy 20 no.9.45 My '64.

The science of mining, from a diary of a president of the mining committee P Kirmdas' Sov profsoiuzy 20 no 11 28-29 Je '64

Service to the consumer is a common concern Sov. profsoiuzy 20 no.9:20-21 My '64.

The Soviet reality is beautiful. " D Matveenko Sov profsoiuzy 20 no 11 40-41 Je '64

The trade-union committee teaches and advises. V.Gotal'skii. Sov.profsoiuzy 20 no.12;20-21 Je '64

Trade unions and their role in the establishment of communist relations. P.F.Metel'kov Uch zap.kaf. obshchestv.nauk vuz.g.Len , Ist.KPSS no.5 123-139 '64.

Without asking the approval of the plant committee... (based on letters to the editor). Sov.profsoiuzy 20 no.12;34 Je '64.

Workers' struggle for the unity of the international labor movement. G.Sharapov. Sov.profsoiuzy 20 no.12: 38-41 Je '64.

TRADE UNIONS—AUDITING AND INSPECTION

Eliminate deficiencies while checking. G.Polonskii. Sov.profsoiuzy 20 no.12;32-33 Je '64.

TRADE UNIONS—CONGRESSES

Fourth International Trade Conference of Miners. IU.Khitsenko. Gor.zhur. no.5.78 My '64.

In order to make life happier and more joyful. N.Krupskaia. Sov.profsoiuzy 20 no.12,42 Je '64.

The party's reliable support in the struggle for communism A.Topolev Sov profsoiuzy 20 no 11 21 Je '64

Plenum of the Central Committee of the Trade Union of Government Employees. A.Novokhatskii Vest. stat. no 6 87 '61.

The Second Plenum of the Central Committee of the Trade Union of Government Employees Fin SSSR 38 no 5 91 92 My '64

TRADE UNIONS—HANDBOOKS, MANUALS, ETC.

[Trade-union worker's guide; labor and wages, mass organizational work, labor safety, social insurance, housing and service industry problems, cultural and educational work, physical culture, sports, tourist activities, trade-union finance, bibliography on trade unions] Spravochnik profsoiuznogo rabotnika; trud i zarabotnaia plata, organizatsionno-massovaia rabota, okhrana truda, sotsial'noe strakhovanie, zhilishchno-bytovye voprosy, kul'turno-vospitatel'naia rabota, fizkul'tura, sport, turizm, financy profsoiuzov, literatura o profsoiuzov, literatura o profsoiuzakh. [Moskva] Profizdat, 1964. 559 p.

TRADE UNIONS—OFFICERS see subdivision under Kokorevka (Bryansk Province); Orenburg Province

TRADEMARKS

[Bulletin on inventions and trademarks] Biul.izobr.i tov. znak. 41 no.11 Je '64

TRAFFIC ACCIDENTS

Zhulev, V.I. [The public in the fight against highway accidents] Obshchestvennost' v bor'be s dorozhno-transportnymi proisshestviiami. Moskva, "IUridicheskaia literatura," 1964. 78 p.

TRAFFIC REGULATIONS

(see also subdivision under Moscow)

Answers to questions and problems. Tekh i vooruzh no.1 63 Ja '64.

TRAFFIC SAFETY

Don't record, but prevent. N.Kharlamov, I.Barichev. Tekh.i vooruzh. no.1:50-52 Ja '64.

A selection For traffic safety. V. Zhulev and others. Tekh.i vooruzh. no.1 53-56 Ja '64.

TRAINING OF EMPLOYEES see Employees, Training of

TRANS-ILI ALATAU—COWS—DISEASES AND PESTS

Importance of iodine and manganese in controlling mineral deficiency in high-productivity cows in the piedmont zone of the Trans-Ili Alatau A A.Sazonov. Trudy AZVI 12.157-161 '61

TRANS-ILI ALATAU—FORAGE PLANTS

Scientific achievements of the Alma-Ata Zootechnical and Veterinary Institute in the field of agronomy during the past 30 years D.A.Zykov Trudy AZVI 12.138-147 '61

TRANS-ILI ALATAU—FUNGI, PHYTOPATHOGENIC

Fungus diseases of grain crops in the piedmont zone of the Trans-Ili Alatau N S.Efimova. Trudy AZVI 12:584-589 '61.

TRANS-ILI ALATAU—GRAIN—DISEASES AND PESTS

Fungus diseases of grain crops in the piedmont zone of the Trans-Ili Alatau. N S.Efimova. Trudy AZVI 12 584-589 '61

TRANS-ILI ALATAU—SERPENTS

Some data on the viper Ancistrodon halys caraganus Eichw occurring in the mountains of the Trans-Ili Alatau B N Smirnovskii Trudy AZVI 12 582-583 '61

TRANSAMINASES

Change in the glutaminic and alanine aminopherase in the central nervous system and skeletal muscles during X-ray irradiation. L.S Cherkasova, A T Pikulev Dokl.AN BSSR 8 no 4 263-266 Ap '64.

TRANSBAIKALIA—BIRDS—MIGRATION

Observations on the fall migration of birds in southeastern Transbaikalia M D Zverev Ornitologiia no 6 470-471 '63

TRANSBAIKALIA—CATTLE—WATERING

Automatic water tower P Pometov, A Zovodtsev Tekh v sel'khoz 24 no 5 37-38 My '64

TRANSBAIKALIA—CITIES AND TOWNS

Dvornichenko, N.E. [The region in which you live. through the cities and villages of Transbaikalia; notes of a student of the local region] Krai, v kotorom ty zhivesh': Po gorodam i selam Zabaikal'ia, zametki kraeveda. [Chita] Chitinskoe knizhnoe izd-vo, 1963. 108 p.

TRANSBAIKALIA—CONCHOSTRACA, FOSSIL

Geological age of the Turga horizon in Transbaikalia. Nestor Novozhilov. Mat.po geol.i pol.iskop.Chit.obl. no.1 65-73 '63.

Significance of bivalve phyllopod crustaceans (Conchostraca) for the stratigraphy of Upper Mesozoic freshwater-continental sediments in eastern Transbaikalia. S.S.Krasinets. Mat po.geol.i pol.iskop. Chit.obl. no.1 32-64 '63.

TRANSBAIKALIA—COPPER ORES

Investigating the sulfatizing roasting of Transbaikalia copper ores. Report No.1. V.N.Kriukova, IU.V. Rumiantsev, F.M.Bolondz'. Trudy IPI no.18:56-64 '63.

Investigating the sulfating roasting of Transbaikalia copper ores. Report No.2 F M.Bolondz', IU.V Rumiantsev, V.N.Kriukova. Trudy IPI no 10:65-70 '63

TRANSBAIKALIA—FROZEN GROUND

A numerical method of surveying frozen ground using the example of Transbaikalia N A Shpolianskaia Izv AN SSSR.Ser geog no 3 70-77 '61

TRANSBAIKALIA—GEOGRAPHICAL SOCIETIES

From the editorial and publishing committee. Zap. Zabaik.otd.Geog.ob-va SSSR no.18;3-4 '62.

Review of the work of the Transbaikalian Branch of the Geographical Society of the U.S.S.R. P.I.Zaikov. Zap.Zabaik.otd.Geog.ob-va SSSR no.18 97-98 '62.

TRANSBAIKALIA—GEOLOGICAL TIME

Geological age of the Turga horizon in Transbaikalia. Nestor Novozhilov. Mat.po geol.i pol.iskop.Chit.obl. no.1;65-73 '63.

TRANSBAIKALIA—GEOLOGY

New data on the structure of the TSagan-Oluy granite massif (eastern Transbaikalia). S.M.Sinitsa. Mat. po geol.i pol.iskop.Chit.obl. no.1:74-82 '63.

TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC

Lower Paleozoic stratigraphy of eastern Transbaikalia. A.A.Lokerman. Mat.po geol.i pol.iskop.Chit.obl. no.1;27-31 '63.

Significance of bivalve phyllopod crustaceans (Conchostraca) for the stratigraphy of Upper Mesozoic freshwater-continental sediments in eastern Transbaikalia. S.S.Krasinets. Mat.po geol.i pol.iskop. Chit.obl. no.1:32-64 '63.

TRANSBAIKALIA—GEOLOGY, STRUCTURAL

Brief sketch of the geology of central Transbaikalia. V.V.Starchenko. Mat.po geol.i pol.iskop.Chit.obl. no.1;3-16 '63.

TRANSBAIKALIA—GRAPHITE

Sivachukan and Arkiya graphite deposits (eastern Transbaikalia). M.P.Bezverkhnii, V.L.Litvinov. Mat.po geol.i pol.iskop.Chit.obl. no.1;108-115 '63.

TRANSBAIKALIA—ICE ON RIVERS, LAKES, ETC.

Dynamics of ice thickness on the lakes of Transbaikalia. I.M.Osokin. Zap.Zabaik.otd.Geog.ob-va SSSR no.18 79-85 '62.

TRANSBAIKALIA—LEAD ORES

Direct hydrometallurgical processing of Transbaikalia oxidized lead ores. R.M.Vygoda, G.G.Zapevalov, L.B.Travnikova. Trudy IPI no.18.100-111 '63.

TRANSBAIKALIA—ORE DEPOSITS

Genetic series of ore formations in Transbaikalia. I.N. Tomson, R.M.Konstantinov, O.P.Poliakova. Geol.rud. mestorozh. 6 no.2;38-51 Mr-Ap '64.

TRANSBAIKALIA—PALEONTOLOGY, STRATIGRAPHIC

First finds of the Devonian and Carboniferous fauna in the western part of the Aginskoye Paleozoic field (central Transbaikalia) E.V.Barabashev, V.A. Amantov, N.A.Trushchova. Mat.po geol.i pol. iskop.Chit.obl. no.1 16-20 '63.

TRANSBAIKALIA—PUBLIC HEALTH

History of public health service in Transbaikalia and prospects for its development. K.I. Zhuravleva. Trudy Perm.gos.med.inst. 43;248-253 '63.

TRANSBAIKALIA—SHEEP—WATERING

Automatic water tower P.Pometov, A Zovodtsev Tekh v sel'khoz 24 no 5 37-38 My '64

TRANSBAIKALIA—TENT CATERPILLARS

Regions of mass propagation of the tent caterpillar Dendrolimus Sibericus in the Transbaikalian forests. N.V Gorshkov, L.M.Orlov. Zap.Zabaik.otd.Geog.ob-va SSSR no.18 54-65 '62.

TRANSBAIKALIA—WORLD WAR, 1939-1945

Organization of the water supply of troops on the Transbaikalian front in the Khingan-Mukden operation A.TSirlin. Voen -ist.zhur 5 no 5:36-48 My '63.

TRANSCARPATHIA—HISTORY

Bazhenova, N.P. [Outline history of the revolutionary liberation movement of workers in Transcarpathia during 1917-1923] Narys istorii revoliutsiino-vyzvol'noho rukhu trudiashchykh Zakarpattia v 1917-1923 g.g. Uzhhorod, Uzhhorods'kyi derzh. univ., 1962. 166 p. (NN)

TRANSCARPATHIA—LABOR AND LABORING CLASSES

Bazhenova, N.P. [Outline history of the revolutionary liberation movement of workers in Transcarpathia during 1917-1923] Narys istorii revoliutsiino-vyzvol'noho rukhu trudiashchykh Zakarpattia v 1917-1923 g.g. Uzhhorod, Uzhhorods'kyi derzh. univ., 1962. 166 p. (NN)

TRANSCARPATHIA—METAMORPHISM (GEOLOGY)

Hydrothermal metamorphism of rocks in Transcarpathia, their ore potential and regulations in spatial distribution. M IU.Fishkin. Zakonom razm polezn iskop. 7: 382-303 '64.

TRANSCARPATHIA—ORE DEPOSITS

Hydrothermal metamorphism of rocks in Transcarpathia, their ore potential and regulations in spatial distribution. M.IU Fishkin. Zakonom razm polezn.iskop. 7: 382-303 '64

TRANSCAUCASIA—INDUSTRIES

Soviet scholars' opinions about a book by Professor P.Gugushvili. V.G.Chantladze. Trudy Inst.ekon. AN Gruz.SSR 13:239-250 '62.

TRANSCAUCASIA—ORE DEPOSITS

Paleogene volcanism of Transcaucasia and mineralization related to it. G.S.Dzotsenidze Zakonom.razm.polezn. iskop. 7;181-192 '64.

TRANSCAUCASIA—PLOVERS

Nesting of white-tailed plover in Transcaucasia V.V. Vinogradov. Ornitologiia no 6 303-305 '63

TRANSCAUCASIA—ROCKS, IGNEOUS

Paleogene volcanism of Transcaucasia and mineralization related to it. G.S.Dzotsenidze. Zakonom.razm.polezn. iskop. 7:181-192 '64.

TRANSCAUCASIA—WEEVILS

New species of Otiorrhynchus Germ. (Coleoptera, Curculionidae) from Transcaucasia and northern Iran. L.V.Arnol'di. Dokl.AN Arm.SSR 38 no.4. 251-256 '64.

TRANSDUCERS

Calculation of optimum parameters of a ferrodynamic converter. V.L.Benin, V.U.Kizilov. Elektrichestvo no.5;73-76 My '64.

Effect of an electric load on the performance of a multilayer transducer. L.M.IAblonik. Akust.zhur. 10 no.2;234-238 '64

Magnetically resilient sensors for measuring mechanical forces M I.Stolbun. Elektrichestvo no 1 45-46 Ja '64.

The PKD precision in miniature piezoquartz transducers for vibration accelerations. L.A.Osipovich. Priborostroenie no.5;19-21 My '64.

Toroidal magnetoanisotropic stress transducer. A P. Panafidin, V A.Rozenberg. Priborostroenie no 5 26 My '64

TRANSFORMATIONS (MATHEMATICS)

Blaschke's projection. M.M.Arapova. Uch.zap.MGPI no.208;199-213 '63.

Convergence of double Fourier-Lebesgue series and double Hilbert transformations L V Zhizhiashvili Soob AN Gruz.SSR 30 no.3.257-264 Mr '63

Geometric properties of a conjugate set of four pertaining to a sequence of Calapso transformations of five stratifiable pairs. A.M.Berezman. Uch.zap.MGPI no.208: 66-75 '63.

Theory of integral transformations with Mittag-Leffler kernels. M.M.Dzhrbashian. Dokl.AN Arm.SSR 38 no.4;207-216 '64.

TRANSIENTS (DYNAMICS)

[illegible] of tra[illegible] processes in controlled machinery [illegible] for [illegible] steeply pitching seams. M K. [illegible] Ugol' Ukr. 8 no 1 23-24 Ja '64

TRANSISTOR AMPLIFIERS

[illegible] theory of the design of tuned electronic [illegible] transistor amplifiers. N V. Bobro. Radiotekhnika 1[illegible] no.5 37-4[illegible] My '64.

TRANSISTOR CIRCUITS

Calculation of a grounded emitter circuit with complex transistor parameters E IA Pripolov. Radiotekhnika 19 no 2 52-58 F '64

[illegible] configurations in transistor circuits L I P[illegible], M V [illegible] Avtom telem i sviaz' 8 no 2 14-15 F '64

[illegible]-stage shift register using static triggers as a decimal scaling circuit. G I Levitan. Avtom i telem. 25 no 3 432-435 Mr '64.

G V. Voishvillo's reply to a letter to the editor. Radiotekhnika 19 no 2 76-77 F '64.

Letter to the editor. A. A. Rizkin. Radiotekhnika 19 no.2 73-75 F '64

Shterk, M. D., ed. [Calculation and design of transistorized pulse systems] Raschet i proektirovanie impul'snykh ustroistv na tranzistorakh. [By] A. M. Tishenko i dr. Moskva, Sovetskoe radio, 1964. 566 p.

Study of feedback in transistor circuits. A. A Kulikovskii. Radiotekhnika 19 no 2 78-80 F '64.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Radio receiver using one transistor B Minin Radio no 5 43-46 My '64

Radio receiver using three transistors V Stupen'kov Radio no 5 46-47 My '64

Rumiantsev, M. M. ["Pioner" transistorized superheterodyne receiver] Tranzistornyi supergeterodin "Pioner." Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 509).

"Vesna" pocket radio V Kokachev Radio no 5 41-44 My '64

TRANSISTORS

ISHT-1 device for measuring the noise coefficient of transistors on a sonic frequency Prib i tekh eksp 8 no 6 124 N-D '63

Input impedance of a transistor in a large signal operation M V Surgucheva Trudy MEI no 53;79-87 '64.

Labutin, V. K. [Transistor diodes] Poluprovodnikovye diody. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 499)

Study of electric and thermal breakdown in power transistors. O.A.Kossov, V V TSokanov. Elektrichestvo no.5;34-40 My '64

Thermal breakdown of germanium power rectifiers. Zh.I.Alferov, A.I.Uvarov. Elektrichestvo no.5;46-50 My '64.

TRANSISTORS—COOLING

Calculation of heat sinks for power transistors. K M. Kudelin. Radiotekhnika 19 no. 2;59-63 F '64.

TRANSISTORS—MEASUREMENT

Phasal method for measuring the complex h-parameters of transistors V. V IUzhakov. Elektrosviaz' 18 no 4 68-74 Ap '64

TRANSITION METALS

Multiplet structure of $K_{\alpha1,2}$ lines in transition elements. V. I. Nefedov. Izv. AN SSSR. Ser. fiz 28 no 5;816-822 My '64.

TRANSITION METALS—SPECTRA

Asymptotic dispersion phases for metals of the iron transition group and for alloys of the copper - nickel system. V. A. Batyrev. Izv AN SSSR. Ser. fiz. 28 no. 5 897-905 My '64.

Interpretation of line displacements in the K-series of transition elements. Wave functions for three atomic configurations of titanium. A. T. Shuvaev, G. M. Chechin Izv. AN SSSR. Ser. fiz. 28 no. 5;934-938 My '64.

Shape of K-bands of X-ray emission spectra of transition metals in the iron group. I. IA. Nikiforov, M. A Blokhin. Izv AN SSSR Ser. fiz. 28 no. 5 786-789 My '64.

Shape of the $K_{\alpha1,4}$ lines of elements of the iron group. M. A. Blokhin, I. IA. Nikiforov. Izv. AN SSSR. Ser. fiz. 28 no. 5,780-785 My '64

TRANSMUTATION (CHEMISTRY)

Chemical effect of nuclear transformations in solids. A N Murin, R V Bogdanov, S M Tomilov Usp khim 33 no 5 619-647 My '64.

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Comparative sensitivity of the cell and cytoplasm of Amoeba proteus to the damaging action of acriflavine and urethane, tests in the transplantation of nuclei. A. L. IUdin. Sbor. rab. Inst tsit. no. 7 128-144 '63.

TRANSPORTATION
(see also subdivision under Cherepovets, Vologda Province)

New upsurge in the competition of builders of transportation lines Transp stroi. 14 no. 3·1-2 Mr '64.

Problems of single inspections and of the comprehensive designing of a transportation network. M.F.Smirnov. Transp stroi. 14 no. 3·38-39 Mr '64.

TRANSPORTATION—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref zhur. Vzaimodeis. raz. vid transp. i kont. perev no. 6 Je '64.

[Industrial transportation] Ref. zhur.: Prom. transp. no. 6 Je '64.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp no 6 Je '64.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING see subdivision under Kiev Province

TRANSPORTATION, AUTOMOTIVE—AUDITING AND INSPECTION see subdivision under Gorkiy

TRANSPORTATION, AUTOMOTIVE—FREIGHT

Aksenova, Z. I. [Economic aspects of freight transportation] Voprosy ekonomiki perevozok gruzov. Moskva, Transport, 1964. 164 p.

TRANSPORTER BRIDGES—COLD WEATHER OPERATIONS

Effect of surface drainage on the operation of a bridge complex in autumn and winter. N. V. Filonenko. Ugol' Ukr. 8 no. 3 47-48 Mr '64.

TRANSURANIUM ELEMENTS

Problem of the modern interpretation of D. I. Mendeleev's periodic system. A.V.Lapitskii, L.G.Vlasov, R.TSaletka Vest Mosk.un.Ser.2: Khim. 19 no.2;74-78 Mr-Ap '64.

TRAUMATISM

Epshtein, G. IA., ed. [Traumatology and restorative surgery in children; selected chapters] Travmatologiia i vosstanovitel'naia khirurgiia detskogo vozrasta, izbrannye glavy. [Leningrad] Meditsina, 1964. 334 p.

Stages of the development of a traumatic shock. D. G. Tagdisi. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1,75-80 '64.

TRAWLS AND TRAWLING

Comparative data on the efficiency of the hydrodynamic method for securing the vertical opening of a trawl. R. Z. Aliev. Trudy LPI no. 230 137-138 '64.

Does the breakdown of trawls affect the productivity of trawling? L. N. Savitskaia. Ryb. khoz. 40 no. 1·47-48 '64.

Improved rigging of the 15/21 trawl used in perch fishing. V. K. Zhukov, V. K. Mironenko. Ryb. khoz. 40 no. 1. 49-51 '64.

TREE PLANTING see subdivision under Odessa

TREES—DISEASES AND PESTS

Akhremovich, M. B. [Protection of the wooden structures of dwellings against wood destroying pests] Zashchita dereviannykh konstruktsii zhilykh zdanii ot razrushitelei drevesiny. Moskva, Stroiizdat, 1964. 89 p.

TREES, FOSSIL see subdivision under Sikhote-Alin' Range

TREMATODA see subdivision under Azerbaijan

TREMATODA—HOST ANIMALS

Independence of the ontogeny and annual sexual cycle of Polystoma from the hormonal influence of its host, the grass frog (Rana temporaria L.) [with summary in English]. P. V. Gorshkov. Zool. zhur. 43 no 2:272-274 '64.

TRENCHING MACHINERY

Effect of some factors on the dumping range of rotary earth throwers. A. B. Zhabrov. Trudy VNIIGiM 42: 133-137 '63.

TRIAZINE

Effect of simazine and atrazine on the development of soil micro-organisms E. I Kozlova, A. A. Belousova, V. S. Vandar'eva. Agrobiologiia no 2;271-277 Mr-Ap '64.

Monuron and simazine as algicides used against filamentous algae L P. Braginskii and others. Trudy Gidrobiol. ob-va 14 52-65 '63.

Studying the movement of propazine in various soils by the method of soil columns. V. A Skob. Dokl TSKHA no 84;316-321 '63.

1, 3, 5-Triazines. Part 2. Some ethers of 2-phenyl-4, 6-dioxy-1, 3, 5, -triazine. Z. N. Pazenko, T. N. Lebedeva. Ukr. khim. zhur. 30 no. 1;66-68 '64.

TRICHINA AND TRICHINOSIS see subdivision under Kazakhstan

TRICHODERMA

Use of antibiotic-producing fungi for controlling the fungus Fomitopsis annosa (Fr) Karst [with summary in English]. S F. Negrutskii. Mikrobiologiia 32 no. 4;632-635 Jl-Ag '63.

TRICHOMONIASIS

Accompanying microflora in trichomoniasis of cattle and its role in the pathology of the sexual apparatus I. V. Petrukhin. Trudy Smol. NIVS no 2;239-246 '62

Genika, L. V. [Trichomoniasis in cattle] Trikhomonoz krupnogo rogatogo skota. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 26 p.

Organization of measures to control trichomoniasis of the urogenital tract J. K. Teras, E. M. Rougas, I. A. [illegible] Vest. derm i ven 37 no. 9 70-72 S '63.

Treating trichomoniasis in cows with trypaflavine, aminoacrichine, and calciferol I. V. Petrukhin Trudy Smol. NIVS no. 2;219-229 '62.

[Trichomoniasis of the urogenital tract; a collection of articles] Trikhomonoz urogenital'nogo trakta; sbornik statei. Tallin, Akad. nauk Estonskoi SSR, 1963. 213 p. (DNLM)

TRIFONOV, IURII VALENTINOVICH, 1925-

The cause which you serve. IA. Tikhonov. Oktiabr' 40 no. 1;212-215 Ja '64.

TRIGEMINAL NERVE

Differentiation of the motor nucleus of the human trigeminal nerve L. E. Goncharenko Arkh anat , gist i embr. 44 no 4 105-109 Ap '63

TRIGONOMETRICAL FUNCTIONS

Convergence of certain series in trigonometric functions A. A. Muromskii Izv AN SSSR. Ser mat. 28 no 1 5[illegible]-62 Ja-F '64.

TRIOCTYLAMINE

Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 1: Nitrate solutions. V.I.Tikhomirov, A.A.Kuznetsova, E.D.Batorskaia. Radiokhimiia 6 no.2;173-181 '64.

Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 2: Chloride solutions. V.I.Tikhomirov, A.A.Kuznetsova, E.D.Batorovskaia. Radiokhimiia 6 no.2;182-187 '64.

Extraction of uranium (VI) with n-trioctylamine (TOA) in the presence of some cations. Part 3: Sulfate solutions. V.I.Tikhomirov, A.A.Kuznetsova, E.D.Batorovskaia. Radiokhimiia 6 no.2;187-191 '64.

TRIOXANE

Molecular weights of polymers obtained in cationic polymerization of trioxane. G. V. Rakova, N. S Enikolopian. Dokl. AN SSSR 156 no. 5:1167-1169 Je '64.

TRIPOLI (MINERAL) see subdivision under Bukovina

TRITIUM

Elastic scattering of protons by tritium at energies below the threshold of a (p, n)-reaction. IU. G. Balashko and others. Zhur. eksp. i teor. fiz. 46 no. 5;1003-1009 My '64.

TRITONS (TRITIUM IONS)

Low-energy deuterons and tritons produced in the photodisintegration of Li^6. A. P. Komar, E. D. Makhnovskii. Dokl. AN SSSR 156 no. 4;774-777 Je '64.

TROPANE

Quantitative determination of alkaloids of the tropane group by the chromatographic-fluorescence method. T. V. Zinchenko, I. M. Fefer. Farmatsev. zhur. 15 no. 4;19-22 '60.

TROPICAL FRUIT—DISEASES AND PESTS see subdivision under Noyemberyan District

TROPICS

Characteristics of the operation of marine diesel engines in the tropics. N. Veselov. Mor. flot 24 no. 3;28-30 Mr '64.

TROPICS—DISEASES AND HYGIENE

Enterocolitis in a hot climate and the associated change in some metabolic indices. E. I. Atakhanov. Vest. AMN SSSR 18 no. 10;42-48 '63.

TRUCK DRIVERS

Naguln, G. E., V. S. Kaliaskii, and A. I. Manzon. [Manual for drivers of the third class] Uchebnik shofera tret'ego klassa. Moskva, Transport, 1964. 407 p.

TRYPTOPHAN

Synthesis of dl-abrine and 5-methoxyabrine. R. S. Sagitullin, T. V. Koronelli. Vest. Mosk. un. Ser. 2; Khim. 19 no. 2;68-71 Mr-Ap '64.

TSAKHUR LANGUAGE—PHONETICS

Phonetic system of the Tsakhur language. G. Kh. Ibragimov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6;51-60 '63.

TSELINNYY KRAY see Virgin Territory

Effect of hydroclimatic factors on the development of tularemia epizootics and epidemics in TSelinograd Province. V.A.Kraft. Zhur.mikrobiol.,epid.i immun. 40 no.5 41-48 My '63.

TSELINOGRAD PROVINCE—TULAREMIA

Effect of hydroclimatic factors on the development of tularemia epizootics and epidemics in TSelinograd Province. V.A.Kraft. Zhur.mikrobiol.,epid.i immun. 40 no.5 41-48 My '63.

Transmissive outbreak of tularemia in the environs of TSelinograd. A.I.Kolendovich. Zhur.mikrobiol., epid.i immun. 40 no.5:148-150 My '63.

TSIMYLYANSK RESERVOIR REGION—ANTIQUITIES

Nomadic mound near Sarkel-Belaya Vezha. S.A.Pletneva. Mat.i issl.po arkheol.SSSR 109:216-259 '63.

The Sarkel-Belaya Vezha burial mound. O.A.Artamonova. Mat.i issl.po arkheol.SSSR 109:9-215 '63.

TSIMLYANSK RESERVOIR REGION—ARCHAEOLOGY

Foreword. Mat.i issl.po arkheol.SSSR 109:5-8 '63.

TSIMLYANSK RESERVOIR REGION—CRANIOLOGY

Anthropological characteristics of skulls from the early burials in Sarkel. L.G.Vuich. Mat.i issl.po arkheol.SSSR 109:282-294 '63.

Craniological materials from the ancient right-bank Tsimlyansk site. V.V.Ginzburg. Mat.i issl.po arkheol.SSSR 109:295-307 '63.

Skulls from a nomadic mound near Sarkel-Belaya Vezha. L.G.Vuich. Mat.i issl.po arkheol.SSSR 109:420-449 '63.

Skulls from embankments near Belaya Vezha. B.V. Firshtein. Mat.i issl.po arkheol.SSSR 109,308-353 '63.

Skulls from the burials at Sarkel-Belaya Vezha fortification walls. L.G.Vuich, V.V.Ginzburg, B.V.Firshtein. Mat.i issl.po arkheol.SSSR 109:354-410 '63.

Skulls from the burials in the court of the ancient Tsimlyansk site located on the left bank. B.V.Firshtein. Mat.i issl.po arkheol.SSSR 109:411-419 '63.

TSIMLYANSK RESERVOIR REGION—MOUNDS

Nomadic mound near Sarkel-Belaya Vezha. S.A.Pletneva. Mat.i issl.po arkheol.SSSR 109:216-259 '63.

The Sarkel-Belaya Vezha burial mound. O.A.Artamonova. Mat.i issl.po arkheol.SSSR 109:9-215 '63.

TSIMLYANSK RESERVOIR REGION—PALEOPATHOLOGY

Pathological bone changes in the people of the 10th-11th and the beginning of the 12th century based on the data from the Sarkel-Belaya Vezha burial mound. D.G. Rokhlin. Mat.i issl.po arkheol.SSSR 109,450-529 '63.

TSIMLYANSK RESERVOIR REGION—RACE QUESTION

Anthropological composition and origin of the Sarkel-Belaya Vezha population. V.V.Ginzburg. Mat.i issl.po arkheol.SSSR 109:260-281 '63.

TSITSIKIAN, ANAIT

Poetic and strict. R.Stepanian. Sov.muz. 27 no.12:64-66 D '63.

TSKHALTUBO—HEALTH RESORTS, WATERING-PLACES, ETC.

Zedginidze, G.S. [The TSkhaltubo Health Resort and its neurological profile] Kurort TSkhaltubo i ego nevrologicheskoe profilirovanie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 303 p.
(DNLM)

TSKHENIS-TSKALI VALLEY—GEOMORPHOLOGY

Geomorphological study of the adjacent territories of Imeretia and Mingrelia (the part of the Tskhenis-Tskali and the Abasha River Basins). G.Z.Changashvili. Trudy Inst.geog.AN Gruz.SSR 18:82-94 '63

TSKHENIS-TSKALI VALLEY—TERRACES (GEOLOGY)

Terraces of the Tskhenis-Tskali Valley. S.N.Nemanishvili. Trudy Inst.geog.AN Gruz.SSR 18:51-53 '63.

TSVETKOVA, OL'GA PETROVNA

People believe in her. T.Astapenkova. Sov.voin 46 no.7:38 Ap '64.

TSYURUPINSK (KHERSON PROVINCE)—SOILS

Ancient soils in Oleshiye. P.S.Pogrebniak. Trudy Od. un. 152,Ser.geol.i geog.nauk no.9:43-46 '62.

TUBERCULOSIS

Kuziukovich, P.M. [Use of mechanical sutures in the surgical treatment of pulmonary tuberculosis] Primenenie mekhanicheskogo shva pri khirurgicheskom lechenii tuberkuleza legkikh. Minsk, Izd-vo "Belarus'," 1964. 173 p.
(DNLM)

Morphological characteristics of large and giant caverns in pulmonary tuberculosis; resection data. IA.V. Kakiteleshvili, M.M.Averbakh. Khirurgiia 39 no.8:11-19 Ag '63.

Oxidative deamination of D-aspartic acid in the liver of rabbits in experimental tuberculosis. V.G.Grigorian. Vop.med.khim. 9 no.1:37-40 Ja-F '63.

Pleurectomy combined with a pulmonary resection as a method of treating fibrocavernous tuberculosis complicated by empyema N I Bondar' Khirurgiia 38 no 12 9-14 D '62

Significance of tuberculosis antigens for the serodiagnosis of leprosy. N.M.Ovchinnikov, N A.Torsuev, L S. Reznikova. Lab.delo no.2:110-113 '64.

Some considerations on the prevention and treatment of residual pleural cavities following lobectomy in pulmonary tuberculosis. B.S.Kibrik. Khirurgiia 39 no.8:26-30 Ag '63

TUBERCULOSIS IN CATTLE see subdivision under Kazakhstan

TUBERCULOUS—REHABILITATION, ETC. see subdivision under Ivanovo

TUBES

Effect of preliminary cold working on the mechanical properties of hardening D16 alloy tubes. M.Z.Ermanok, I.M.Tomashevskaia. Metalloved.i term.obr.met. no.4:43-44 Ap '64.

Heat treatment of stainless tubes. L.A.Dolinskaia and others. Metalloved.i term.obr met. no.4:36-38 Ap '64.

TUDOR, STEPAN, pseud. see Oleksiuk, Stepan, 1892-1941

TULA PROVINCE—CHEMICAL WORKERS—EDUCATION AND TRAINING

Major chemical industrial complexes require....
V.Polianskii. Prof.-tekh.obr. 21 no.5:9 My '64

TULA PROVINCE—FERTILIZERS AND MANURES—HANDLING

For larger crops. L.Lavrushin, N.Aver'ianov. Tekh. v sel'khoz. 24 no.3:10-13 Mr '64.

TULA PROVINCE—FRUIT CULTURE

Solopov, G.P., ed. [Orchards and berry patches] Sady i iagodniki. [By] A.L.Zatuchnaia i dr. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 215 p.
(DNAL)

TULA PROVINCE—MONONUCLEOSIS

Case of listerellal angina in Tula Province. M.I. Potudin, Z.V.Zasypkina. Zhur.mikrobiol.,epid.i immun. 40 no.5:151-152 My '63.

TULA PROVINCE—TONSILS—DISEASES

Case of listerellal angina in Tula Province. M.I. Potudin, Z.V Zasypkina. Zhur.mikrobiol.,epid.i immun. 40 no.5:151-152 My '63.

TULAREMIA

(see also subdivision under Archangel Province; Khabarovsk Territory; Omsk; Tselinograd Province; Yakutia)

Approbation of an improved tularemia diagnosticum. O.S.Emel'ianova. Zhur.mikrobiol.,epid.i immun. 40 no.10:85-92 O '63.

Infectious process in mixed tularemia-brucellosis infection. E.A.Gubina, T.N.Dunaeva. Zhur. mikrobiol.,epid.i immun. 40 no.5:3-8 My '63.

Serological study in plague. Report No.8: Sensitivity and specificity of the antibody neutralization reaction in plague and tularemia. M.I.Levi and others. Zhur. mikrobiol.,epid.i immun. 40 no.5:65-68 My '63.

TULAREMIA—PREVENTIVE INOCULATION

Duration of immunity in following simultaneous epidermic skin vaccination against plague, tularemia and brucellosis. S.L.Borod'ko, L.G.Samsonovich. Zhur. mikrobiol.,epid.i immun. 40 no.10:70-75 O '63.

Experimental study of epicutaneous live trivaccine from plague strains EB and 1,17, Brucella strain 104-M, tularemia no.15 Gaiskii restored strain and a selection of optimum antigen doses in it. V.G.Pilipenko, M.A. Miroshnichenko, A.M.Poliakova. Zhur.mikrobiol., epid.i immun. 40 no.5,35-41 My '63.

Immunobiological changes in irradiated guinea pigs with tularemia. S.A.Papoian, V.N.Zil'fian, K.M.Dekhtsunian. Vop.radiobiol.[AN Arm.SSR] 3/4:205-215 '63.

Problems of vaccinal prevention of tularemia in the works of American authors; a review of literature. V.A.Lebedinskii. Zhur.mikrobiol.,epid.i immun. 40 no.10:140-142 O '63.

TULIPS see subdivision under Caucasus

TULIPS—VARIETIES see subdivision under Latvia

TUMORS

Comparison of nonspecific defense reactions influencing the generalization of infections and metastatic spreading of tumors. N.V.Lazarev. Vop.onk. 8 no.11:20-28 '62.

Comparative pathology of tumors; tumorous growth in invertebrates. V.M.Bresler. Sbor.rab.Inst.tsit. no.7:145-154 '63.

[illegible]

Simian oncogenic viruses producing tumors in man. V.A. Parnes. Vop.virus. no.6:643-649 N-D '63

TUMORS—TRANSPLANTATION

New transplantable strain of experimental osteogenic sarcoma of a rabbit. S.IU.Nikadambaev. Trudy Inst. kraev.eksper.med no.5:180-183 '63.

TUNDRAS see subdivision under Russia, Northern

TUNGSTEN

Interaction between niobium carbide and tungsten. IU.N. Vil'k and others. Teplofiz.vys.temp. 2 no.2.274-279 Mr-Ap '64.

Role of a subsurface layer in the interaction of molecular oxygen with a tungsten surface. IA.P.Zingerman, V.A. Ishchuk. Fiz.tver.tela 6 no.4 1172-1181 Ap '64.

TUNGSTEN BRONZE—ELECTRIC PROPERTIES

Electric properties of oxygen vanadium bronzes. Z.I. Ornatskaia. Fiz.tver.tela 6 no 4.1254-1256 Ap '64.

TUNGSTEN COMPOUNDS

Photochemical hydrolysis of potassium octocyanotungstate. K.N.Mikhalevich, V M.Litvinchuk. Dokl.LPI 5 no.1/2:127-129 '63.

TUNGSTEN-RHENIUM ALLOYS—TESTING

Oxidation of tungsten-rhenium alloys. R.F.Voitovich, V.A.Lavrenko Metalloved.i term.obr.met. no.4: 50-51 Ap '64.

TUNGUSKA, NIZHNYAYA see Lower Tunguska Valley

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNEL DIODES

Silicon tunnel diodes. M.S.Saidov, IU.A.Abramian, I.K. Atakhodzhaev. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk 8 no.1:49-52 '64.

Theory of tunnel diodes. M Azizov. Izv.AN Uz SSR. Ser.fiz -mat nauk 7 no 6 75-79 '63

TUNNEL DIODES—MEASUREMENT

Simple method for measuring the parameters of tunnel diodes IU I Vorontsov, I V.Poliakov Prib i tekh eksp 8 no 6:159-161 N-D '63

TUNNEL LINING

Lining a sewer tunnel. K.D.Troitskii. Transp.stroi. 14 no.3,56-57 Mr '64.

TUNNEL LINING—PERMEABILITY

Calculating the filtration in water tunnels of cylindrical shape. V.M.Nasberg. Vop.fil'tr.rasch.gidr.soor. no.4 142-150 '64.

TUNNELING see subdivision under Mont Blanc

TUNNELS see subdivision under Glasgow

TURAN LOWLAND—SOILS AND CLIMATE

Some characteristics of the climate of the Turanian facies in connection with the structure of the vertical zonality of soils. Report 2: Characteristics of the soil and vegetative cover in the region of the prevalence of the humic mountain-changed climatic variant of the Turanian facies. A.P.Aranbaev. Dokl.TSKHA no.84:151-157 '63.

TURAN LOWLAND—VEGETATION AND CLIMATE

Some characteristics of the climate of the Turanian facies in connection with the structure of the vertical zonality of soils. Report 2: Characteristics of the soil and vegetative cover in the region of the prevalence of the humic mountain-changed climatic variant of the Turanian facies A P Aranbaev Dokl.TSKHA no.84,151-157 '63.

TURBIDITY

Soil erosion and water turbidity in the conditions of the Klinsk-Dmitrov Ridge. E.P.Chernyshev Izv.AN SSSR.Ser.geog. no.3 64-69 '64

TURBINES

Characteristics of turbine stages in a wide range of u/C_0 numbers. I.I.Kirillov, A.I.Kirillov. Energomashinostroenie 10 no.4:1-5 Ap '64.

Drilling of deep holes in components from heat resistant steel. IA.A.Toger, V.F.Kovalenko. Energomashinostroenie 10 no.4 33-36 Ap '64.

Effect of the setting of discs and liners on the flexure and critical speed of a turbine rotor. V.IA.Kal'mens. Energomashinostroenie 10 no.4:28-30 Ap '64.

Engineering method for designing shell-type turbine structures. E.D.Konson. Energomashinostroenie 10 no.4:17-24 Ap '64.

Modeling of the transmission of an impulse in hydraulic pipes of a turbine control system. I.S.Ratner, A.A. Landman. Energomashinostroenie 10 no 2:14-20 F '64.

Optimal nozzle output angle of an active single-crown stage with small capacity. V.D.Pshenichnyi. Energomashinostroenie 10 no.2:6-10 F '64.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur Turbostr. no. 6 Je '64

TURBINES—BIBLIOGRAPHY see Bibliography—Turbines

TURBINES—MAINTENANCE AND REPAIR

Repairs of damaged shafts of [illegible] turbines. [illegible] V [illegible] Energetik 12 no 5 36-37 [illegible] '64

TURBODRILLS
(see also subdivision under Bashkiria)

Analyzing the kinematics of a bit roller operating in a reaction turbine drilling assembly G I Bulakh Trudy VNIIBT no 4 51-63 '62

Bottom hole assemblies in reaction-turbine drilling. V. A Vysotskii Trudy VNIIBT no 4 33-51 '62

Investigating the operation on aerated water of turbodrill turbines A. O. Mezhlumov and others. Trudy VNIIBT no 4 28-33 '62

[illegible] turbodrill for drilling slim and deep wells. [illegible] and others Trudy MINKhiGP 46 27-34 '64.

Slurry air lift for the reaction-turbine drilling of mine shafts. G I Bulakh, K F. Liubimova Trudy VNIIBT no. 4 64-73 '62.

TURBODRILLS—TESTING

[illegible]-1 pipe tachometer has passed plant tests. B. A. Grachev and others. Izv vys. ucheb. zav, neft' i gaz 7 no. 3 112 '64.

TURBOGENERATORS

Concerning the article "Technological conditions for the installation of vertical-shaft hydrogenerators." A G Dudak Elek sta 35 no 2 91 F '64

Effect of the residual voltage of a generator on the vibration of the stator during the self-synchronization process. [illegible] IU M El'kind Elek stat 35 no 1 [illegible] Ja '64

Excitation systems of large present-day turbogenerators I A Glebov V F Kashtelian Elek sta 35 no 3 74-76 Mr '64

Experience in operating the TGV-200 turbogenerator R A Marmov Elek sta 35 no 2 80-81 F '64

Mechanical tests of TGV-200 turbogenerators with instantaneous load drop L G Gavrilov E S Osternik Elek sta 35 no 2 83-84 F '64

TURBOGENERATORS—MAINTENANCE AND REPAIR

Use of equipment in the repair of turbogenerators. S A. Mardzhkin Energetik 12 no 5 33-35 My '64

TURBULENCE

Numerical calculation of the turbulent mixing of two homogeneous gas streams. P. P. Koriavov. Zhur. vych. mat. i mat. fiz. 4 no. 3 495-511 My-Je '64.

TURBULENCE—MEASUREMENT

Measurements of turbulent nonisothermic flows V. E. Aerov, B I. Fedorov. Trudy LPI no. 230 139-142 '64.

TURINSK DISTRICT—COLLECTIVE FARMS

One of the party committee's decisions V Malinovskii Part zhizn' no 10 43-44 My '64

TURKEY—HISTORY

Akimkina, N. A., and M. A. Liuksemburg. [Readings in the history of the non-Soviet East; India, Iran, Turkey] Praktikum po istorii stran zarubezhnogo Vostoka; Indiia, Iran, Turtsiia. Moskva, Vysshaia shkola, 1963. 168 p.

TURKISH LANGUAGE—DIALECTS see subdivision under Donetsk Province

TURKISH LANGUAGE—GRAMMAR, COMPARATIVE—AZERBAIJANI

Materials on the research of degrees of comparison of adjectives in the Turkish and Azerbaijani languages. A. G. Eivazov. Uch. zap. Inst. vost AN Azerb SSR 4: 89-107 '63.

TURKISH LANGUAGE—MOOD

Meaning of modal endings in "-dir" in modern Turkish L N Starostov Krat soob Inst nar. Az. no. 72:137-150 '63

TURKMEN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Kurbanov, A. A., and others. [The Turkmen language] Turkmenskii iazyk. Ashkhabad, Turkmenizdat,

Pt. 1. [Textbook for Russian students in the higher educational institutions of the Turkmen S. S. R.] Uchebnik dlia russkikh grupp vuzov TSSR, 1964, 354 p.

TURKMENISTAN—AGRICULTURAL CHEMISTRY

Land improvement and agrochemistry in the service of irrigated farming of Turkmenia. I. S. Rabochev. Izv AN Turk. SSR Ser. biol. nauk no. 2 3-7 '64.

TURKMENISTAN—ALFALFA

Role of alfalfa in raising the fertility of newly reclaimed lands of northern Turkmenia. B. Rovshanov. Izv. AN Turk. SSR. Ser biol. nauk no. 2:53-57 '64.

TURKMENISTAN—ALGAE

Algae in reservoirs of the Turkmen S S R Sh I Kogan Trudy Gidrobiol ob-va 14 184-200 '63

TURKMENISTAN—COMMUNICABLE DISEASES—CONGRESSES

Brief news. V. I. Vashkov. Zhur. mikrobiol., epid. i immun. 40 no. 5 166 My '63.

TURKMENISTAN—CONCRETE

Saving portland cement in mortars and concretes made of nonstandard Turkmen fillers using active finely-milled additives. E. M. Tarasova, R. P. Gorbeshko, E. A Kerbabaeva Trudy Inst. antiseism stroi. AN Turk SSR 2 73-78 '58

Selection of the composition of concretes made of Turkmen materials in which fine sands are used E. M. Tarasova, R. P. Gorbeshko, E. A. Kerbabaeva. Trudy Inst. antiseism. stroi AN Turk SSR 2:66-72 '58

TURKMENISTAN—CONCRETE—CORROSION

Corrosion of concrete made of Bezmein portland cement and of local Turkmen fillers in sulfate and magnesian aggressive media. E. M. Tarasova, M. IA. Murav'eva, T. M. Tarnizhevskaia Trudy Inst. antiseism. stroi. AN Turk. SSR 2:90-107 '58.

TURKMENISTAN—CONCRETE REINFORCEMENT—BOND

Contribution to the problem of the bonding of high-strength reinforcement with concrete made from local materials in Turkmenia. G. S. Rodov, A S. Kuptsynova. Trudy Inst. antiseism. stroi AN Turk SSR 2:45-54 '58

TURKMENISTAN—DESERT LOCUST

Desert locust Schistocerca gregaria Forsk (Orthoptera, Acrididae) in Turkmenia in the summer of 1962 M V Stoliarov Ent oboz 43 no 1 21-31 '64

TURKMENISTAN—FLESH FLIES

Biology of flies of the subfamily Miltogrammatinae (Diptera, Sarcophagidae) D M. Charykuliev, S N Miartseva Izv. AN Turk. SSR. Ser. biol. nauk no. 2 84-88 '64.

TURKMENISTAN—GAS, NATURAL—GEOLOGY

Prospects for finding gas and oil in the Takhta-Bazar region. V. V. Gapeev, B. M. Geiman Neftegaz. geol. i geofiz. no. 4 40-42 '64.

TURKMENISTAN—GEOGRAPHICAL SOCIETIES

Ten years of the work of the Turkmenistan Geographical Society M P. Petrov Trudy Turk. geog. ob-va no 1: 254-263 '58.

TURKMENISTAN—GEOGRAPHY

Materials on the history of the geographical study of Turkmenistan. M P. Petrov. Trudy Turk. geog. ob-va no 1:5-67 '58

TURKMENISTAN—GERBILS

Geographical distribution and the economic significance of the greater gerbil in Turkmenistan. O. N. Nurgel'dyev. Turdy Turk. geog. ob-va no. 1:171-180 '58.

TURKMENISTAN—HISTORY

Kuliev, O., K Rakhmanov, and A. Artykov. [History of the Turkmen S. S R.; for grades 9-11] Istoriia Turkmenskoi SSR; dlia IX-XI klassov. Ashkhabad, Turkmenuchpedgiz, 1963. 134 p.

TURKMENISTAN—IRRIGATION FARMING

Land improvement and agrochemistry in the service of irrigated farming of Turkmenia. I. S Rabochev. Izv. AN Turk. SSR Ser. biol. nauk no. 2 3-7 '64.

TURKMENISTAN—MASONRY

Behavior of masonry mortars with active finely-milled additives and of masonry in the dry and hot climate of Turkmenistan. E. M. Tarasova, R. P. Gorbeshko. Trudy Inst. antiseism. stroi. AN Turk SSR 2:79-89 '58

TURKMENISTAN—MATERIA MEDICA, VEGETABLE

Looking for biologically active substances in the plants of Turkmenia. I. A. Gubanov, A. A. Meshcheriakov. Izv. AN Turk SSR. Ser. biol. nauk no. 2 46-51 '64.

TURKMENISTAN—MORTAR

Behavior of masonry mortars with active finely-milled additives and of masonry in the dry and hot climate of Turkmenistan. E. M. Tarasova. R. P. Gorbeshko Trudy Inst. antiseism. stroi. AN Turk SSR 2:79-89 '58

Saving portland cement in mortars and concretes made of nonstandard Turkmen fillers using active finely-milled additives. E. M. Tarasova, R. P. Gorbeshko, E. A. Kerbabaeva. Trudy Inst. antiseism. stroi. AN Turk. SSR 2:73-78 '58.

Selection of the composition of mortars using local nonstandard fillers for the cities of the provinces of Turkmenistan. E. M. Tarasova, R. P. Gorbeshko, Trudy Inst. antiseism. stroi. AN Turk SSR 2:55-65 '58

TURKMENISTAN—OIL FIELD BRINES

Akmamedov, A., V. Kolodii, and A. Kuz'min. [Turkmenian oil field waters, a valuable chemical raw material] Vody neftianykh mestorozhdenii Turkmenii - tsennoe khimicheskoe syr'e. Ashkhabad, Turkmengosizdat, 1963. 38 p.

TURKMENISTAN—PARASITES—LIZARDS

Seasonal, zonal, age and sex differences in the parasites of the Caucasian agamas of western Turkmenia. S. Shammakov, G. S. Markov. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 80-82 '64.

TURKMENISTAN—PASTURES AND MEADOWS

Reclamation of new pasture districts for seasonal animal husbandry in Turkmenia. V. N. Nikolaev. Izv. AN Turk SSR. Ser. biol. nauk no. 2 61-64 '64.

TURKMENISTAN—PERENNIALS

Growing perennial subtropical and fruit cultures on moisture-saturated lands in winter and irrigated lands in early spring in southwestern Turkmenia R Dangul'. Izv. AN Turk SSR. Ser. biol. nauk no. 2 51-53 '64.

TURKMENISTAN—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the Takhta-Bazar region. V. V. Gapeev, B. M. Geiman Neftegaz. geol. i geofiz. no. 4 40-42 '64.

TURKMENISTAN—PETROLEUM PRODUCTION

Selecting the thickness of the production site for the development of a multilayered oil field. N. A. Cherepakhin, I. A. Grigorian. Nauch.-tekh. sbor. po dob. nefti no. 20:59-63 '63.

TURKMENISTAN—PETROLEUM WORKERS

Your friends are at your side. K. Aldabergenov. Sov. profsoiuzy 20 no 11 13-14 Je '64.

TURKMENISTAN—RESERVOIRS

Algae in reservoirs of the Turkmen S. S. R Sh. I Kogan Trudy Gidrobiol ob-va 14:184-200 '63.

TURKMENISTAN—SOIL FERTILITY

Role of alfalfa in raising the fertility of newly reclaimed lands of northern Turkmenia. B Rovshanov. Izv. AN Turk. SSR. Ser. biol. nauk no. 2 53-57 '64.

TURKMENISTAN—STOCK AND STOCKBREEDING

Reclamation of new pasture districts for seasonal animal husbandry in Turkmenia. V. N. Nikolaev. Izv. AN Turk. SSR. Ser. biol nauk no. 2:61-64 '64.

TURKMENISTAN—TECHNICAL SOCIETIES

On the road of creative research. IA Sukhorukov. NTO 5 no 9 21-22 S '63

TURNING

Gladilin, A. N., A. A. Syroegin, and V. M. Popov. [Course of industrial training in mechanical engineering schools] Kurs proizvodstvennogo obucheniia v mashinostroitel'nykh tekhnikumakh. Moskva, Vysshaia shkola.

Pt. 1. [For workers in the professions: assembler and fitter, repairman, universal turner] Dlia rabochikh professii: slesar'-sborshchik slesar'-remontnik, tokar'-universal). 1964. 435 p.

Kniazev, N. M. [High efficiency tools, for turners and drillers] Instrumenty vysokoi proizvoditel'nosti; dlia tokarei i sverlovshchikov. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 51 p. (Shkola molodogo rabochego)

Two seven-year plans in five years. V Liaptsev. Agitator no 9 43-45 My '64

TURNING—TECHNOLOGICAL INNOVATIONS

Happiness consists in moving forward S. Putiaev. NTO 5 no 9:37 S '63

TURNIPS—VARIETIES see subdivision under Estonia

TUROVTSEV, VLADIMIR VASIL'EVICH

Third graduating class. D. Azov. Voen. vest. 43 no. 5: 66-69 My '64.

TURPENTINING—EQUIPMENT AND SUPPLIES

Olovenikov, G. B., and B. P. Ustinovich. [Instruments and equipment for turpentining] Instrumenty i oborudovanie dlia podsochki lesa. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 108 p.

TURSHSU (AZERBAIJAN)—HEALTH RESORTS, WATERING PLACES, ETC.

Effect of the complex of health-resort factors of the Turshsu resort on the cholesterol content of the blood. S. M. Salikhov. Izv. AN Azerb. SSR. Ser. biol. i med nauk no. 2:119-110 '62

TUVA A. S. S. R.—BIRDS

New materials on the ornithofauna of Tuva. D. I. Berman. V. I Zabelin. Ornitologiia no 6 153-160 '63

TUVA A. S. S. R.—FINCHES

Nesting of the Himalayan finch Leucosticte nemoricola Hodgs. in Tuva D. I Berman, G. V Kolonin. Ornitologiia no 6:268-271 '63.

TUVA A. S. S. R.—ROCKS, SEDIMENTARY

Effect of pyroclastic material on the composition of Devonian and Lower Carboniferous sediments in Tuva. G. N. Brovkov. Lit. i pol. iskop. no. 2:77-88 Mr-Ap '64.

TUVA A.S.S.R.—VOLCANIC, ASH, TUFF, ETC.

Effect of pyroclastic material on the composition of Devonian and Lower Carboniferous sediments in Tuva. G.N.Brovkov. Lit.i pol.iskop no.2 77-88 Mr-Ap '64.

TUYMAZY OIL FIELD—OIL RESERVOIR ENGINEERING

Dependence of the oil yield of the reservoir rocks of the Tuymazy oil field on their permeability and the velocity of the oil flow. G V Rudakov Nauch -tekh. sbor po dob. nefti no. 18:81-85 '62.

Nature of the production of oil reserves from reservoir DI in the Aleksandrovska area. N. K. Mikhailovskii. Nauch.-tekh. sbor. po dob. nefti no. 20:51-58 '63.

TUYMAZY OIL FIELD—PETROLEUM PRODUCTION

Developing a pool of horizon D_{II} of the Tuymazy oil field. K.IA.Korobov. Nefteprom delo no 5:3-7 '63

TVIBERI GLACIER—GEOMORPHOLOGY

Morphological characteristics and the deglaciation stages of the Tviberi Glacier. R.D.Tsharadze, G.V. Lomtatidze. Trudy Inst. geog. AN Gruz.SSR 18:261-265 '63.

TVIBERI GLACIER—METEOROLOGY—OBSERVATIONS

Meteorological and actinic observations on the Tviberi Glacier. T.A. Lashkhi, Sh.Sh.Inashvili. Trudy Inst. geog.AN Gruz.SSR 18:280-281 '63

TVIBERI RIVER—RUNOFF

Hydrological observations over the runoff of the Tviberi River. G.D.Kalandadze. Trudy Inst. geog. AN Gruz. SSR 18:295-296 '63

TWILIGHT

Primary scattering of light at twilight V M. Morozov Izv AN SSSR. Ser. geofiz no 5.787-793 My '64.

2,4-D

Low volume spraying in weed control. V.S.Blagoveshchenskaia. Zashch.rast.ot vred.i bol. 9 no.5: 21 '64.

Using esters of 2,4-D. T.R.Borodina. Zashch.rast.ot vred.i bol. 9 no.5:28-29 '64.

TYPESETTING

The typesetter came on his shift. E.I.Khlusov. Poligrafiia no.2:25-28 F '64.

TYPHOID FEVER

(see also subdivision under Ryazan Province)

Use of antibiotics combined with chemotherapeutic agents for the treatment of typhoid carriers. V.T.Shugailo. Sov.med. 27 no.10:58-62 O '63.

Water- and food-borne outbreaks of typhoid and paratyphoid fevers, review of foreign literature for the past 15 years. IU.P.Solodovnikov. Zhur.mikrobiol., epid.i immun. 40 no.10:142-146 O '63.

TYPHOID FEVER—MICROBIOLOGY

Properties of the cultures of typhoid fever microbes selected under conditions of hyperthermia V.N. Valueva. Trudy Irk.IEG no.5 199-205 '60

TYPHOID FEVER—PREVENTIVE INOCULATION

Effect of immunization with typhoid monovaccine on the bactericidal properties of rabbit skin. F.S. Malyshev. Zhur.mikrobiol., epid.i immun. 40 no.10:80-84 O '63.

Possibility of simultaneous vaccination against tick-borne encephalitis and typhoid-paratyphoid infection. O.E.Rzhakhova. Vop.med.virus. no.6:95-101 '59.

Role of regional lymph nodes in the mechanism of the formation of vaccinal immunity. Report No.2: Lymph node reaction to primary administration to corpuscular antigen. B.A.Godovannyi. Zhur.mikrobiol., epid.i immun. 40 no.10:21-25 O '63.

TYROSINE

Fast and accurate method for quantitative determination of iodine in a pure preparation and diiodotyrosine tablets. P.P.Suprun. Farmatsev.zhur. 15 no.4:26-28 '60.

TYUMEN' PROVINCE—GRAIN TRADE

Results of a poor management. M.Arshavskii. Muk.-elev.prom. 30 no.6:32 Je '64.

TYUMEN' PROVINCE—TRACTORS—MAINTENANCE AND REPAIR

Repair organization at the Tyumen' Section of "Sel'khoztekhnika." V.IAmbaev, P.Grozdov. Tekh.v sel'khoz. 24 no.3:68-71 Mr '64.

UBSU NUR DEPRESSION—PARASITES—RODENTS

Ecology of the juvenile forms of Dermacentor nuttalli Olen. and other ticks of wild rodents in the Ubsu Nur Depression of the Tuva A.S.S.R. [with summary in English]. S.P.Piontkovskaia, V.E.Flint. Zool.zhur. 43 no.2:176-184 '64.

UBSU NUR DEPRESSION—TICKS

Ecology of the juvenile forms of Dermacentor nuttalli Olen. and other ticks of wild rodents in the Ubsa Nor Depression of the Tuva A.S.S.R. [with summary in English]. S.P.Piontkovskaia, V.E.Flint. Zool.zhur. 43 no.2:176-184 '64.

UCHA CANAL—FRESHWATER FAUNA

Fauna of two streams - a water-supply canal and a river N IU Sokolova Trudy Gidrobiol ob-va 14 201-227 '63

UDDER

Form and size of the udder in cows of various breeds developed in Kazakhstan T F Tavildarova and others Trudy AZVI 12 162-175 '61

UDDER—BLOOD SUPPLY

Blood vessels of the udder of sheep L V Domashneva Trudy AZVI 12 462-465 '61

UDDER—DISEASES

Operative treatment of some forms of the mastitis in sheep L V Domashneva Trudy AZVI 12 456-461 '61

UDMURT A.S.S.R.—GAS, NATURAL—GEOLOGY

Zonal confinement of structures in Udmurtia and the northeastern part of the Tatar A.S.S.R and its effect on the spatial distribution of oil pools R.N.Valeev. Geol.nefti i gaza 8 no.4:35-39 Ap '64.

UDMURT A.S.S.R.—LIMING OF SOILS

Comparative effect of open-hearth slags and limes on the turf-Podzolic soils in the Udmurt A.S S R. F.A IUdin, N V. Reshetnikova Dokl TSKHA no 84,174-179 '63.

UDMURT A.S.S.R.—PETROLEUM GEOLOGY

Zonal confinement of structures in Udmurtia and the northeastern part of the Tatar A S.S.R. and its effect on the spatial distribution of oil pools. R.N.Valeev Geol.nefti i gaza 8 no.4:35-39 Ap '64.

UDMURT A.S.S.R.—PODZOL

Comparative effect of open-hearth slags and limes on the turf-Podzolic soils in the Udmurt A S S R. F A IUdin, N V Reshetnikova Dokl TSKHA no 84:174-179 '63

UDMURT A.S.S.R.—PUBLIC HEALTH

Some historical data on the public health service in the Udmurt A.S.S.R. N.N.Dzhova. Trudy Perm.gos. med.inst. 43:317-325 '63.

UDMURT A.S.S.R.—SLAG

Comparative effect of open-hearth slags and limes on the turf-Podzolic soils in the Udmurt A.S S.R. F A IUdin, N.V.Reshetnikova. Dokl TSKHA no.84:174-179 '63.

UFA—CHEMICAL INDUSTRIES

Generosity. D.Koreshkov. NTO 6 no.3 30-31 Mr '64

UIGUR LANGUAGE—DIALECTS see subdivision under Alma-Ata Province

UIGUR LANGUAGE—PHONETICS

Phonetic principles of the Chilik dialect of the Uigur language. L.A.Aganina Krat.soob.Inst.nar.Az. no.72:120-136 '63.

UKRAINE—ACCOUNTING—STUDY AND TEACHING

Seminar of the accountants of the regional economic councils of the Ukraine Bukhg.uchet 21 no.2:77-78 F '64.

UKRAINE—ADMINISTRATIVE ECONOMIC COUNCILS

Organization and activity of the technical and economic councils attached to the councils of the national economy of the Ukraine from 1957 to 1962. O.G.Mitiukov. Ukr. ist.zhur. 8 no.2:38-47 Mr-Ap '64.

UKRAINE—AERONAUTICS IN AGRICULTURE

Aerosols against oak leaf rollers. L.G.Apostolov. Zashch.rast.ot vred.i bol. 9 no.2:23-24 '64.

UKRAINE—AGRICULTURAL MACHINERY

Contribution of the agricultural machinery plants of the Ukraine to the strengthening of the material and technical base of agriculture, 1953-1962. O.O. Panteleichuk. Ukr.ist.zhur. 8 no.2.48-54 Mr-Ap '64.

UKRAINE—AGRICULTURE

On the problem of the specialization of agricultural production. R.Ivanova. Vop.ekon. no.5:143-148 My '64.

With Lenin's name. V.I.Kisel'ev. Ukr.ist.zhur. 8 no.2:77-80 Mr-Ap '64.

UKRAINE—ALLIED INTERVENTION, 1918-1919

The imperialist policy of the Entente and United States regarding the Ukraine. R.H.Simonenko. Ukr.ist. zhur. 8 no.2:69-76 Mr-Ap '64.

UKRAINE—AQUATIC WEEDS

Preliminary materials on the investigation of the overgrowth and fouling of canals in the southern part of the Ukrainian S.S.R. A.D.Priimachenko. Trudy Gidrobiol.ob-va 14:159-162 '63.

UKRAINE—ARCHITECTURE—DESIGNS AND PLANS

UKRAINE—BACTERIA, PHYTOPATHOGENIC

Bacteriosis of kidney beans. IU I.Shneider, A.I Shalagina. Zashch.rast.ot vred i bol. 9 no.2:33-34 '64

UKRAINE—BEAN BREEDING

Results of forage bean breeding and seed production work K.V Malusha Agrobiologiia no 2 191-198 Mr-Ap '64.

UKRAINE—BEANS—DISEASES AND PESTS

Bacteriosis of kidney beans. IU.I.Shneider, A.I.Shalagina. Zashch.rast.ot vred.i bol. 9 no 2:33-34 '64.

UKRAINE—BENTONITE

Use of Ukrainian bentonites in the pharmaceutical practice. H.P.Pivnenko and others Farmatsev.zhur. 14 no.4:13-20 '59.

UKRAINE—CANALS

Hydrobiological characteristics of canals in the southern part of the Ukrainian S.S.R. based on the materials of 1962. A V.Topachevskii and others Trudy Gidrobiol. ob-va 14 163-169 '63

Preliminary materials on the investigation of the overgrowth and fouling of canals in the southern part of the Ukrainian S S R A D Priimachenko. Trudy Gidrobiol.ob-va 14 159-162 '63

UKRAINE—CATTLE

Some possibilities for the further improvement of cattle productivity V M IEvtushenko Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5.8-11 '63

UKRAINE—CATTLE—FEEDING AND FEEDS

Using synthetic urea in cattle fattening I.F Ros' and others Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 12-15 '63

UKRAINE—CHEMICAL INDUSTRIES

Measures taken by the Academy of Sciences of the Ukrainian S S.R. for the implementation of the resolutions of the December Plenums (1963) of the Central Committee of the Communist Party of the Soviet Union and the Central Committee of the Communist Party of the Ukraine on the speed-up of the development of the chemical industry as the most important condition for increasing the agricultural production and the growth of well-being of the population Dop.AN URSR no.5 694-693 '64

UKRAINE—CHEMICAL LABORATORIES

Planning the work of testing and analyzing laboratories. M.M.Bushkova. Farmatsev.zhur. 14 no.3:59-63 '59.

UKRAINE—CITIES AND TOWNS

Museums and their role in compiling the history of cities and villages. I.M.Premysler, V.I.Samoilenko. Ukr.ist.zhur. 8 no.2:94-96 Mr-Ap '64.

UKRAINE—CIVIL PROCEDURE

Ukraine. Laws, statutes, etc. [Civil Procedure Code of the Ukrainian S.S.R.] TSyvil'nyi protsesual'nyi kodeks Ukrains'koi RSR. Kyiv, Derzhpolitvydav URSR, 1963. 178 p.

UKRAINE—CIVILIZATION

"Cultural development in the Ukraine from 1921 to 1925" by H.M.Shevchuk. Reviewed by M.K.Ivasiuta, I.IA.Kosharnyi. Ukr.ist.zhur. 8 no.2.143-144 Mr-Ap '64.

UKRAINE—COAL MINES AND MINING

Ukrainian coal industry for the last 10 years. A.A. Burmistrov. Ugol' Ukr. 8 no.1:1-6 Ja '64.

UKRAINE—COLLECTIVE FARMS

Assistance of the working class of the Ukraine in the strengthening of the productive activity of the collective farms from the Autumn of 1929 to the Spring of 1930. H.M.Sharlai. Ukr.ist.zhur. 8 no.2:90-93 Mr-Ap '64

The role of the village soviets in the Ukraine in the consolidation of the collective farm system, 1933-1934. M.D.Teslia. Ukr.ist.zhur. 8 no.2:84-88 Mr-Ap '64.

UKRAINE—COLLECTIVE FARMS—TAXATION

Improve the relationship between collective farms and the budget. P.Mikhailin Fin SSSR 38 no 5 36-37 My '64.

UKRAINE—COMMUNIST EDUCATION

Activity of the Communist Youth League of the Ukraine in the education of youth during the period between the 20th and the 22d Congress of the CPSU. IA.M. Serishchev. Ukr.ist.zhur. 8 no.2:26-37 Mr-Ap '64.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

Historiography of the Communist Party of the Ukraine in the postwar period, 1945-1953. V.I.IUrchuk. Ukr.ist.zhur. 8 no.2:123-130 Mr-Ap '64.

Kiev. Instytut istorii partii. [Outline history of the Communist Party of the Ukraine] Narysy istorii Komunistychnoi partii Ukrainy. Vyd.2., dop. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1964. 695 p.

UKRAINE—COMMUNIST YOUTH LEAGUE

[Born of life; a yearbook of the Communist Youth League] Narodzheni zhyttiam; komsomol's'kyi shchorichnyk Kyiv, Vyd-vo "Molod'."
No 2 1963. 228 p

UKRAINE—CORN (MAIZE)

Unit for single seed planting and intertillage of corn D [illegible] Tekh v sel'kh z 24 no 5 16-19 My '64

UKRAINE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of fertilizers on the yield and nutritive value of corn in the southern Ukraine A S Musiiko, P F Fil[illegible], G I Ve[illegible] Vest sel'khoz nauki 9 no 5 1-4 My '64

UKRAINE—COURTS—AUDITING AND INSPECTION

It is time to relinquish faulty practices in the overall inspection of courts A Legeza Sots zakon 41 no 3 38-40 Mr '64

UKRAINE—COWS—FEEDING AND FEEDS

Problems of increasing the intensity and profitableness of dairy cattle raising V M IEvtushenko Nauk pratsi Zootekh fak Kam'-Pod sil'hosp inst 5 3-7 '63

Using corn silage in summer feeding of cows. G.I. Pasechnik. Nauch trudy Nauch.-issl.inst.zhiv.Les. i Pol. 32 5-9 '62.

UKRAINE—CRIMINAL PROCEDURE

Ukraine. Laws, statutes, etc. [Criminal Procedure Code of the Ukrainian S.S.R. As amended and supplemented as of June 1, 1963] Ugolovno-protsessual'nyi kodeks Ukrainskoi SSR. S izmeneniiami i dopolneniiami na 1 iiunia 1963 goda. Kiev, Gospolitizdat USSR, 1964. 238 p.

UKRAINE—CULTURE

Work out a history of Ukrainian culture. O S.Konpan, H.V.Logvyn, M.M.Tkachenko. Ukr.ist.zhur. 8 no.2.158 Mr-Ap '64.

UKRAINE—DAIRY CATTLE—FEEDING AND FEEDS

Cobalt and manganese requirements of dairy cows in the forest-steppe zone of the Ukraine. S.V.Panova. Nauch.trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32 45-53 '62.

UKRAINE—DIPHTHERIA—PREVENTION

Respublikanskaia nauchno-prakticheskaia konferentsiia po likvidatskii difterii v USSR. [Diphteria; transactions] Difteriia, sbornik trudov. Kiev, Gosmedizdat USSR, 1963. 155 p.
(DNLM)

UKRAINE—DROUGHTS

Crop rotations in the arid zone of the Ukraine. M M Gorianskii. Zemledelie 26 no 2 31-35 F '64

UKRAINE—DRUG INDUSTRY

Role of galenical-producing laboratories of the pharmacy administrations of the Ukrainian S.S.R. in the supply of pharmacies with prepared drug forms. M.M.IAmpol's'ka, E.L.Marhulis Farmatsev.zhur 14 no.4:67-70 '59.

Role of laboratories producing galenicals and dosed drugs. M.O.Kosenko. Farmatsev.zhur. 15 no.4:67-70 '60

UKRAINE—DRUGSTORES

Brief news and information. Farmatsev.zhur. 15 no.5:92-94 '60.

Brief news and information. Farmatsev.zhur 16 no.4:95-96 '61

Central district pharmacy. L.H.Shmaruk. Farmatsev.zhur. 15 no.4:60-63 '60.

Development of pharmacy in the Ukraine. I.M.Hubs'kyi. Farmatsev.zhur. 17 no.6 67-75 '62.

Forms of pharmacy management. L.M.Hubs'kyi. Farmatsev.zhur. 15 no.5:7-11 '60.

New developments in the pharmaceutical practice. IU.S. Shumakov. Farmatsev.zhur. 17 no.6:76-78 '62.

On the road of consolidation. Z.H.IEr'omina Farmatsev.zhur. 15 no.4:63-65 '60.

Printed information and the relations between pharmacies and therapeutic and prophylactic institutions. I.P. Kotsiubyns'kyi. Farmatsev.zhur. 17 no.6 80-81 '62.

UKRAINE—EDUCATION, COMPULSORY

Berezniak, E.S. [Ways to develop compulsory education in the Ukraine] Puti razvitiia vseobshchego obrazovaniia na Ukraine. Kiev, Radians'ka shkola," 1964. 127 p.

UKRAINE—FIELD CROPS

Economic and cultivation importance of postharvest crops. V.P.Stupakov. Vest.sel'khoz.nauki 9 no.2:51-53 F '64.

UKRAINE—FOREST ECOLOGY

Biological importance of the thickness of oak clusters in forest belts. S.V.IAroshenko. Vest.sel'khoz.nauki 9 no.2:71-76 F '64.

UKRAINE—FOUNDING—COSTS

Evaluating reusable metal. A.Kuz'minskii, N.Chumachenko. Bukhg.uchet 21 no.4:50-53 Ap '64.

UKRAINE—FRESHWATER BIOLOGY

Hydrobiological characteristics of canals in the southern part of the Ukrainian S S.R based on the materials of 1962 A V Topachevskii and others Trudy Gidrobiol. ob-va 14 163-169 '63

UKRAINE—FRUIT—DISEASES AND PESTS

Taking shortcomings into account. V.V.Smol'iannikov. Zashch.rast.ot vred i bol. 9 no 5:61-62 '64.

UKRAINE—FURNITURE INDUSTRY—CONGRESSES

Recommendations of the conference for the improvement of the technology of polishing furniture parts. A.V. Zheltvai Bum i der prom no 1 44-45 Ja-Mr '64.

UKRAINE—GAS, NATURAL—GEOLOGY

Results of geological prospecting for oil and gas in the Ukraine for 1963 I F Klitochenko, A.M.Palii Geol. nefti i gaza 8 no.4.4-9 Ap '64

UKRAINE—GEOGRAPHICAL RESEARCH

Development of the research in the field of geography by the Academy of Sciences of the Ukrainian S.S R. Dop AN URSR no 5 696 '64

UKRAINE—GEOLOGY, STRATIGRAPHIC

[Stratigraphy of the Ukrainian S.S.R. in eleven volumes] Stratigrafiia URSR v odinadtsati tomakh. Holovnyi red. V.H.Bondarchuk Red.rada: D.IE.Aizenverg ta inshi. Kyiv, Vyd-vo Akad.nauk URSR.,
Vol.9. Siabriai, V.T., ed. [Paleogene] Paleogen. 1963. 318 p.

UKRAINE—GRAIN HANDLING—LABOR PRODUCTIVITY

Determining labor productivity at grain receiving enterprises. A.Gol'dberg, I.Simonenko. Muk.-elev.prom. 30 no.6 6-7 Je '64.

UKRAINE—GRAIN TRADE

Receive and process grain and corn continuously in the Ukraine. M.Nesterov, I.Oksen'. Muk.-elev prom. 30 no.5:1-5 My '63.

UKRAINE—HAY AS FEED

Artificially dryed hay meal as a protein and vitamin-rich feed for farm animals. N.A.Staroverov and others. Nauch.trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32.19-28 '62.

UKRAINE—HEPATITIS, INFECTIOUS

Study of the seasonality of epidemic hepatitis in the Ukraine. D.Kh.Fomin. Zhur.mikrobiol.,epid.i immun. 40 no.6:12-18 Je '63.

UKRAINE—HISTORICAL MUSEUMS

Museums and their role in compiling the history of cities and villages. I.M.Premysler, V.I.Samoilenko. Ukr.ist.zhur. 8 no.2.94-98 Mr-Ap '64.

UKRAINE—HISTORIOGRAPHY

"Chronicle of an eyewitness," an outstanding monument of the Ukrainian historical literature of the second half of the 17th century. K.I.Stetsiuk. Ukr.ist.zhur. 8 no.2:58-64 Mr-Ap '64.

UKRAINE—HISTORY, MILITARY

Fraternal cooperation of the Zaporogians and the Don Cossacks in the struggle against the aggression of the Turks and Tatars in the first half of the 17th century. A.D.Bachyns'kyi. Pratsi Od.un.Zbir.stud.rob. 146 no.4:9-22 '56.

UKRAINE—INDUSTRIAL MANAGEMENT

Analysis of the work of enterprises by economists-volunteers. A.Kichaev. Bukhg.uchet 21 no.4:25-33 Ap '64.

UKRAINE—INFORMATION SERVICES

Work practices of information organs of economic councils and enterprises of the Ukraine. S.S.Fainzinger. NTI no.4:8-9 '64.

UKRAINE—INSTRUMENT INDUSTRY

Concentration and specialization of the instrument industry in the Ukrainian S.S.R. P.F.Gritsenko. Vest. mashinostr. 44 no.5:68-70 My '64.

UKRAINE—IRRIGATION

Create an effective economic basis for large-scale irrigation in the steppe zone. I.A.Dziadevich. Gidr.i mel. 16 no.4.49-55 Ap '64.

UKRAINE—IRRIGATION FARMING

Two crops a year in the irrigated soils of the southern Ukraine. A.G.Shapoval, V.T.Baryl'nik, M.N.Khudenko. Vest sel'khoz.nauki 9 no.5 35-42 My '64.

UKRAINE—LABOR AND LABORING CLASSES

Assistance of the working class of the Ukraine in the strengthening of the productive activity of the collective farms from the Autumn of 1929 to the Spring of 1930. H.M.Sharlai. Ukr.ist.zhur. 8 no.2:90-93 Mr-Ap '64.

UKRAINE—LAWNS

Use of some wild grasses in landscape gardening. F.I. Padash. Biul.Glav.bot.sada no.53:33-36 '64.

UKRAINE—LEAF ROLLERS

New materials on the fauna of leaf rollers (Lepidoptera, Tortricidae) of the Ukraine. IU.O.Kostiuk. Dop AN URSR no.5 689-691 '64.

UKRAINE—LEAF ROLLERS—EXTERMINATION

Aerosols against oak leaf rollers. L.G.Apostolov. Zashch.rast.ot vred.i bol. 9 no.2:23-24 '64.

UKRAINE—LOCAL GOVERNMENT

The role of the village soviets in the Ukraine in the consolidation of the collective farm system, 1933-1934. M.D.Teslia. Ukr.ist.zhur. 8 no.2:84-88 Mr-Ap '64.

UKRAINE—MATHEMATICS

Seminar on the history of mathematical sciences T.V. Putiata, B.N.Fradlin. Dop.AN URSR no.5.690 '64

UKRAINE—MECHANICS

Present and future development of the Institute of Physics and Mechanics of the Academy of Sciences of the Ukrainian S.S.R. Dop.AN URSR no.5:605-606 '64.

UKRAINE—MILLET—DISEASES AND PESTS

"Millet fatigue" and its causes. A.I.Chunderova, A.F. Shulyndin Zemledelie 26 no 2:81-88 F '64

UKRAINE—MINERALS

Akademiia nauk URSR, Kiev. [Materials on the geology and geochemistry of minerals in the Ukraine] Materialy z geologii i geokhimii korysnykh kopalyn Ukrainy. Kyiv, 1964. 185 p.

UKRAINE—OAK

Biological importance of the thickness of oak clusters in forest belts. S.V.IAroshenko. Vest.sel'khoz.nauki 9 no.2:71-76 F '64.

UKRAINE—OAK—DISEASES AND PESTS

Aerosols against oak leaf rollers. L.G.Apostolov. Zashch.rast.ot vred.i bol. 9 no.2:23-24 '64.

UKRAINE—ONCOLOGY

Report of the work of the Republic Administration and Province Scientific Medical Societies of Oncologists of the Ukrainian S.S.R. for 1961. N.G.Znachkovskii, I.F. IUnda. Vop.onk. 8 no.9:121-126 '62.

UKRAINE—PENICILLIUM

Study of the antiblastic properties of Penicillium Lk. fungi. M.M.Pidoplichko and others. Dop.AN URSR no.5:656-661 '64.

UKRAINE—PERIWINKLE (BOTANY)

Chemical investigation of periwinkle occurring in the Ukraine. P.M.Liapunova, IU.H.Boryshuk. Farmatsev.zhur. 15 no.4:41-45 '60.

UKRAINE—PETROLEUM GEOLOGY

Problems of prospecting and developing oil pools in fractured reservoir rocks will be solved! V.D.Vardiov. Geol.nefti i gaza 8 no.4:57-59 Ap '64.

Results of geological prospecting for oil and gas in the Ukraine for 1963. I.F.Klitochenko, A.M.Palii. Geol. nefti i gaza 8 no.4:4-9 Ap '64.

Useful book. I.V.Vysotskii, N.I.Bulolov. Geol.nefti i gaza 8 no.4:54-56 Ap '64.

UKRAINE—PHARMACISTS

Certification of pharmacists. I.M.Hubs'kyi. Farmatsev.zhur. 15 no.4:75-77 '60.

Certification of pharmacists. I.M.Hubs'kyi. Farmatsev.zhur. 16 no.4:77-79 '61.

UKRAINE—PHARMACY

Brief news and information. Farmatsev.zhur. 17 no.6:87 '62.

Let's exchange our experience. K.V.Hovalo. Farmatsev.zhur. 14 no.4:77-79 '59.

UKRAINE—PHARMACY—CONGRESSES

Sixth Interprovince Conference of the Lvov Province Scientific Pharmaceutical Society. I.R.Hnidets', Farmatsev.zhur. 14 no.3:78-80 '59.

UKRAINE—PHARMACY—PERIODICALS

From the editor. Farmatsev.zhur. 16 no.4:3-6 '61.

UKRAINE—PHARMACY—STUDY AND TEACHING

History of the development of pharmaceutical education in the Ukraine. Report No. 2: Years of the formation of Soviet public health service. L.Kh.Dukhin. Farmatsev.zhur. 16 no.4:48-52 '61.

UKRAINE—PHEASANTS

Acclimatization of pheasants in the northwestern Black Sea region. L.F.Nazarenko, I.G.Gurskii. Ornitologiia no.6:477-478 '63.

UKRAINE—PHOSPHORITES

Production of phosphorites in the Ukraine. S.I.Pekars'kyi. Khim.prom.[Ukr.] no.4:12-16 O-D '63.

UKRAINE—PHYSICAL EDUCATION AND TRAINING

In sports organizations. Teor.i prak.fiz.kul't. 27 no.2:78 F '64.

UKRAINE—PHYSICS—RESEARCH

Present and future development of the Institute of Physics and Mechanics of the Academy of Sciences of the Ukrainian S.S.R. Dop AN URSR no.5·695-696 '64

UKRAINE—PLANT INTRODUCTION

Introduction of Securinega suffruticosa (Pall.) Rehd in the Ukraine. I.G.Derlli. Biul.Glav.bot.sada no.53: 10-17 '64.

UKRAINE—PLANTS, PROTECTION OF

In the quarantine laboratories of the Ukraine E R. Vnuk'ich. Zashch.rast.ot vred i bol. 8 no.10 43 49 O '63.

UKRAINE—POLITICS AND GOVERNMENT

Bilousov, M.M. [For peace and international security; the foreign policy of the Ukrainian S.S.R. from 1959-1963] Za myr i zahal'nu bezpeku, zovnishn'o-politychna dilal'nist' Ukrains'koi RSR v 1959-1963 rr. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1964. 48 p. (Ukraina na mizhnarodnii areni)

Ukraine. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Ukrainian S.S.R., second session, July 17-18, 1963, verbatim report] Zasidannia Verkhovnoi Rady Ukrains'koi RSR, shostoho sklykannia; druha sesiia (17-18 lypnia 1963 roku). Stenohrafichnyi zvit. Kyiv, Derzhpolitvydav URSR, 1963. 191 p.

"The Ukrainian S.S.R. in the international arena, a collection of documents and materials, 1944-1961." Reviewed by I.S.Khmil'. Ukr.ist.zhur. 8 no.2 136-138 Mr-Ap '64.

UKRAINE—POTATO BEETLE—EXTERMINATION

"Mikron" in the control of the Colorado beetle. N.P. Diadechko, G.N.Zhignev. Zashch.rast.ot vred i bol. 9 no.5:52 '64.

UKRAINE—PRINTING

Social and economic conditions for the beginning of printing in the Ukraine. R.M.Mashtalir. Nauk.zap Ukr.poligr.inst. 15·77-91 '62.

UKRAINE—PUBLIC PROSECUTORS

In the Prosecutor's Offices of the Union Republics Sots. zakon 31 no.3 90 Mr '64.

UKRAINE—RABBITS—VARIETIES

Meat quality of some rabbit varieties M.F Gordiienko and others Nauk pratsi Zootekh fak Kam '-Pod sil'-hosp inst 5·21-29 '63.

UKRAINE—RADIOLOGY, MEDICAL—CONGRESSES

Fourth Congress of Roentgenologists and Radiologists of the Ukrainian S.S.R. A.A.Lemberg, G.A.Burlachenko. Vest.rent.i rad. 38 no.6:67-69 N-D '63.

UKRAINE—REVOLUTION, 1917-1921

A review of sources of the history of the Ukrainian working class during the period of the preparation and execution of the Great October Socialist Revolution. A P.Chaytsenko. Ukr.ist.zhur. 8 no.2;131-135 Mr-Ap '64.

UKRAINE—ROTATION OF CROPS

Crop rotations in the arid zone of the Ukraine. M M. Gortanskii Zemledelie 26 no 2 31-35 F '64.

"Millet fatigue" and its causes. A.I.Chanderova, A F. Shulyndin Zemledelie 26 no 2.81-88 F '64

UKRAINE—SECURINEGA

Introduction of Securinega suffruticosa (Pall.) Rehd. in the Ukraine. I.G.Dertl. Biul.Glav.bot.sada no.53: 10-17 '64.

UKRAINE—SEED PRODUCTION

Results of forage bean breeding and seed production work. K.V.Malusha. Agrobiologiia no.2·191-193 Mr-Ap '64.

UKRAINE—SHEEP—FEEDING AND FEEDS

Year-round feeding of corn silage to pregnant ewes. G.A.Kuts. Nauch.trudy Nauch.-issl.inst.zhiv.Les. i Pol. 32·15-19 '62.

UKRAINE—SOLONETZ SOILS

Growing strong wheat in Chestnut Solonetz-type soils. P I.Nemykin. Zemledelie 26 no.2 75-77 F '64

UKRAINE—SUGAR BEETS—FERTILIZERS AND MANURES

Manure and mineral fertilizers in sugar beet crop rotation T IA.Bisovets'kii. Vest.sel'khoz.nauki 9 no.4: 6-11 Ap '64.

UKRAINE—SUGAR INDUSTRY

History of the Yaroshynskyi financial group. M.M. Gurevich. Ukr.ist.zhur. 8 no.2;88-89 Mr-Ap '64.

UKRAINE—SWINE—FEEDING AND FEEDS

Principles governing the composition of mixed feeds in fattening swine for meat. N.A.Staroverov, M.M. Boiko. Nauch.trudy Nauch.-issl.inst.zhiv.Les.i Pol. 32:91-99 '62.

UKRAINE—TURPENTINING—CONGRESSES

Ukrainian Republic-Wide Conference. L.I.Sliusarenko. Bum.i der.prom. no.1·40-42 Ja-Mr '64.

UKRAINE—WHEAT

Growing strong wheat in Chestnut Solonetz-type soils P I Nemykin Zemledelie 26 no 2 75-77 F '64

UKRAINE—WHEAT—FERTILIZERS AND MANURES

Utilization of nitrogen by wheat during the process of ontogenesis E.A Osadchuk Agrobiologiia no 2 250-253 Mr-Ap '64

UKRAINE—WHITEFISHES

Cultivation of the whitefish Coregonus nasus(Pall.) in ponds of the Ukraine. A.D.Nosal'. Ryb.khoz. 40 no.1·37-38 '64.

UKRAINE—WINDBREAKS, SHELTERBELTS, ETC.

Indicator of the protection of fields by shelterbelts. V.I.Koptev. Vest.sel'khoz.nauki 8 no 9;141-146 S '63.

UKRAINE—WOOD-USING INDUSTRIES

Development and mechanization of the lumbering, paper, and woodworking industry in the Ukraine in 1964. P P. Durdinets. Bum i der.prom no.1 3-5 Ja-Mr '64

UKRAINE—WOODWORKING INDUSTRIES—RESEARCH

Review of the scientific research work of the Ukrainian Scientific Research Institute of Mechanical Woodworking completed in 1963 Der prom 13 no 5 27-38 My '64

UKRAINE—WORKS COUNCILS

Regular as well as active. I.Komarov. Sov.profsoiuzy 20 no.9;10-13 My '64.

UKRAINE—WORLD WAR, 1939-1945—SECRET SERVICE

Belinov, V.P., and I.Podolianin. [Echo of the Black Forest] Ekho chernogo lesa. Moskva, Politizdat, 1963. 190 p.
(MIl)

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Participation of the German anti-Fascists in the fight against the Hitlerite invaders during the Great Patriotic War. M.H.Pohrebnyi. Ukr.ist.zhur. 8 no.2·64-69 Mr-Ap '64.

UKRAINE—YOUTH

[The youth of the Ukraine] IUnist' Ukrainy; fotoal'bom. Kyiv, Molod', 1963. 1 v. (chiefly illus.) [Text in 5 languages]

UKRAINE, WESTERN—PRINTING

Development of printing in the Western Ukraine before 1939. R.M.Mashtalir. Nauk.zap.Ukr.poligr.inst. 15;95-112 '62.

UKRAINE, WESTERN—REVOLUTION, 1917-1921

Goncharov, A.A. [The detachment came along the coast...] Shel otriad po beregu... [Odessa] Odesskoe knizhnoe izd-vo, 1963. 218 p.

UKRAINE, WESTERN—WORLD WAR, 1939-1945

Liberation of the southern areas of the Western Ukraine from January to April 1944. I.P.Kozhukalo. Ukr.ist. zhur. 8 no.2.106-109 Mr-Ap '64.

UKRAINIAN LANGUAGE

Republic academic conference held in the Ukraine on the culture of the Ukrainian language. G.P.Izhakevich. Izv.AN SSSR.Ser.lit.i iaz. 22 no.6;559-562 N-D '63.

UKRAINIAN LANGUAGE—MORPHOLOGY

Samiilenko, S.P. [An outline of the historical morphology of the Ukrainian language] Narysy z istorychnoi morfologii ukrains'koi movy. Kyiv, Radians'ka shkola. Pt.1. 1964. 233 p.

UKRAINIAN LANGUAGE—STYLE

Hordiienko, K.A. [A word about words; articles and reminiscences] Slovo pro slovo; statti i spohady. Kyiv, Radians'kyi pys'mennyk, 1964. 70 p.

UKRAINIANS see subdivision under Danube Valley

ULCERS

Functional state of the adrenal cortex in various phases of nonspecific ulcerative colitis. V.K.Gerasimov. Vest.AMN SSSR 18 no.10;65-70 '63.

ULCERS—PSYCHOSOMATIC ASPECTS

Mental disorders in patients with ulcerative colitis. V.P.Belov. Vest.AMN SSSR 18 no.10;82-90 '63.

ULETY DISTRICT—FEEDS—COMPOSITION

Selenium content in the pasture vegetation and feeds of Ulety District, Chita Province. V.V.Ermakov, I.S. Bronnikov. Zap.Zabaik.otd.Geog.ob-va SSSR no.18: 86-94 '62.

UL'IANOV, SERGEI ALEKSANDROVICH, 1903-

S.A Ul'ianov, on his 60th birthday. Elektrichestvo no 1: 94 Ja '64.

ULTRABASITE

Upper mantle and the genesis of ultrabasites. S.V. Moskaleva. Dokl.AN SSSR 156 no.5:1083-1086 Je '64.

ULTRASONIC TESTING

Study of coal by an ultrasonic method. A.K.Matveev, E.G.Martynov. Lit.i pol.iskop no.2 159-165 Mr-Ap '64.

ULTRASONIC WAVES

Activity of adsorption Pt-catalysts obtained in the ultrasonic field. Li Ven'-chzhou [Li Wên-chou], A.N. Mal'tsev, N.I.Kobozev. Vest.Mosk.un.Ser.2 Khim. 19 no.1 39-42 Ja-F '64.

Amplification of ultrasonic and hypersonic waves in crystals. A.A.Chaban. Akust.zhur. 10 no.2 137-146 '64.

Structure and properties of electrolytic deposits of nickel obtained in the ultrasonic field. S.M.Kochergin, G.IA.Viaseleva. Zhur fiz.khim. 38 no 4·839-844 Ap '64.

Using ultrasonics in wood gluing G.B.Inozemtsev. Bum i der prom. no 1 26-28 Ja-Mr '64.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Effect of ultrasonic energy on the cracking of solar oil distillate G.A.Balakishiev and others. Izv.vys. ucheb.zav., neft' i gaz 5 no 11 59-62 '62.

Experience in the application of ultrasonic waves in sizing. A.M.Aplavin. Tekst prom. 24 no 4 63-64 Ap '64

Experimental investigation of the relation between the speed of an ultrasonic pulse and the temperature of MS-20 oil. V.F Dudin, G I Shaulov, S N Khadzhiev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.8;65-67 '63.

Extraction with the use of ultrasonic vibrations. L.A. Shynlans'kyi and others. Farmatsev.zhur. 15 no.5 48-49 '60.

Preparing extracts with the use of ultrasonic waves N.IA.Zykova and others. Farmatsev zhur 16 no.4 15-16 '61.

Remote identification of rocks and coals from the attenuation of undirected ultrasonic oscillations M N Gumaniuk Izv AN SSSR Ser geofiz no 5 654-661 My '64

Seminary on ultrasonics in electrolytic metallurgy V.A.Druchenko. Akust zhur. 10 no 2;255-256 '64

Ultrasonic cleaning of a permalloy belt. V.P.Makarenko. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no 2;5-6 '64.

Ultrasonic "coal-rock" indicator M Gumaniuk, A Il'iusha, P Burda Radio no 5 48-50 My '64

Use of ultrasound in the food industry IU.Borisov. Akust.zhur. 10 no.2;256 '64.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves on the ability of the skin to transform into the cornea. V.V.Popov, T.A.Pavlova. Vest.Mosk.un.Ser.6: Biol.,pochv 17 no.6 10-18 N-D '62.

Effect of vibration and ultrasound on the complement activity of human serum. F.S.Okolov, S.Kh.Nikolov, T.B.Romantsova Zhur.mikrobiol.,epid.i immun. 40 no.10:47-51 O '63.

ULTRASONIC WAVES—SPEED

Sound velocity and the compressibility of solutions of salts of inorganic acids in formamide. I.G.Mikhailov, M.V.Rozina, V.A.Shutilov. Akust.zhur. 10 no.2 213-217 '64.

Variable-length ultrasonic interferometer with a discrete frequency spectrum. V.I.Domarkas, E.P.IAronis. Akust.zhur. 10 no.2 244-245 '64.

ULTRASONICS

Scientific Council on the Problem of the "Physics of Ultrasound." IU.Borisov. Akust.zhur. 10 no.2 257 '64.

"Ultrasound, its physicochemical and biological effects" by I.E.El'piner. Reviewed by L.P.Kalushin. Akust. zhur. 10 no.2;258-259 '64.

ULTRASONICS—BIBLIOGRAPHY see Bibliography—Ultrasonics

ULTRASONICS—CONGRESSES

Eleventh Scientific Conference on the Application of Ultrasonics to the Study of Matter. B.Kudriavtsev. Akust.zhur. 10 no.2;257 '64.

ULTRASONICS—INDUSTRIAL APPLICATIONS

Kornilovich, IU.E., and V.I.Belokhvostikova. [Ultrasonics in the technology of concrete] Ul'trazvuk v tekhnologii betona. Kiev, Gosstroiizdat USSR, 1964. 58 p.

ULTRAVIOLET RAYS—INDUSTRIAL APPLICATIONS

Use of bactericidal lamps in the pharmacy practice. H.IA.Fedorenko and others. Farmatsev.zhur. 16 no.4;11-14 '61.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Breeding active strains of the celicomycin producers by using ultraviolet rays. M.Kh.Shigaeva, V.D.Sivertseva. Izv.AN Kazakh.SSR.Ser.biol.nauk 2 no.1;33-57 Ja-F '64.

Role of natural ultraviolet radiation in increasing the immunobiological reactivity of the body. D.G. Deviatka, I.S.Alycheva. Zhur.mikrobiol.,epid.i immun. 40 no.10;43-46 O '63.

Therapeutic and preventive use of ultraviolet rays in dysentery. S. L. Zabrodskii. Zhur. mikrobiol., epid. i immun. 40 no.6:131-132 Je '64.

ULUTAU—GEOLOGY, STRUCTURAL

Relationship between granitoid igneous activity and folding as revealed by a study in the southern Ulutau (central Kazakhstan). L. G. Pavlova. Trudy GIN no.91: 176-197 '64.

UL'YANOVSK—MILITARY EDUCATION

Methodological practices in fire training. [illegible] P. Kontaniuk. Voen. vest. 44 no.5:64-66 My '64

UMAN'—GRAIN-HANDLING MACHINERY

Improvement of continuous grain and corn processing lines. P. Demidiuk. Muk.-elev. prom. 30 no.6:18-19 Je '64.

UNDECANE

Catalytic conversions of *n*-undecane in the presence of a nickel catalyst. [illegible] Neftekhimiia 4 no.1:16-20 Ja-F '64

UNDECENOIC ACID—THERAPEUTIC USE

Undecin therapy of epidermophytosis pedis. [illegible] Babichenko. Vest. derm. i ven. [illegible] Je '64

UNDERDEVELOPED AREAS—CONGRESSES

Our comments. Nov. vrem. 21 no.2:11-17 My '64

Resolutions of the Second Soviet Afro-Asian Peoples Solidarity Conference. Supplement. Nov. vrem. 21 no.24:1-40 My '64

UNDERDEVELOPED AREAS—ECONOMIC CONDITIONS

Gavriliuk, V. V. [Economic foundations for the complete annihilation of colonialism] Ekonomicheskie osnovy polnogo unichtozheniia kolonializma. Minsk, Izd-vo "Belarus'," 1963. 174 p.

UNDERDEVELOPED AREAS—ECONOMIC GEOGRAPHY

Problems of economic development and the exploitation of natural resources of developing countries in the interpretation of the journal "Scientific American." I. V. Komar, V. V. Pokshishevskii. Izv. AN SSSR. Ser. geog. [illegible]

UNDERDEVELOPED AREAS—ECONOMIC POLICY

Planning problems in the liberated countries of Asia and Africa. [illegible]

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—CZECHOSLOVAKIA

A faithful and disinterested friend. [illegible] Mezhdunar. zhizn' 11 no.6:[illegible] Je '64

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

The [illegible] of the [illegible] Mezhdunar. zhizn' 11 no.[illegible] '64.

UNDERGROUND CONSTRUCTION—COMMUNICATION SYSTEMS

Contactless detection of underground communications during the preparation of earthwork in cities. A. M. Glozburg. Izv. vys. ucheb. zav.; geod. i aerof. no.2:[illegible] '64

UNDERGROUND WATER see Water, Underground

UNDERWATER ACOUSTICS

Effect of a free surface on sound scattering in the sea. R. F. Kur'ianov. Akust. zhur. 10 no.2:[illegible] '64.

Hydroacoustics. [illegible] Nauka i zhizn' [illegible] Ap '64.

Statistical spectra of sea reverberation. V. V. Ol'shevskii. Akust. zhur. 10 no.2:[illegible] '64

UNDULANT FEVER see Brucellosis

UNICELLULAR ORGANISMS—CULTURES AND CULTURE MEDIA

Automatic cultivation of unicellular organisms, used in a closed biological system. [illegible] Prikl. biokhim. i mikrobiol. [illegible] '64

UNION CATALOGS see Catalogs, Union

UNITED NATIONS

Bilousov, M. M. [For peace and international security; the foreign policy of the Ukrainian S.S.R. from 1959-1963] Za myr i mizhnarodnu bezpeku; zovnishn'o-politychna diial'nist' Ukrains'koi RSR v 1959-1963 rr. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1964. 46 p. (Ukraina na mizhnarodnii areni)

UNITED NATIONS—ARMED FORCES

Behind the plans for an international force. I. Vinin. Nov. vrem. 21 no.14:[illegible] Ap '64

UNITED NATIONS—FINANCE

U.N. [illegible] Background of the "financial crisis." [illegible] Mezhdunar. zhizn' 11 no.6:[illegible] Je '64.

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Concluding stage of [illegible] no.[illegible] Je '64.

Editorial comment. [illegible]

UNITED STATES—AEROSPACE INDUSTRIES

[illegible]

UNITED STATES—AGRICULTURAL POLICY

State monopoly control of agriculture in [illegible] V. Andrievskaia. [illegible]

UNITED STATES—AGRICULTURE—STATISTICS

Sobakinskikh, V. I. [Comparative economic indexes in the development of the agriculture of the U.S.S.R. and the U.S.A.] Sopostavlenie ekonomicheskikh pokazatelei razvitiia sel'skogo khoziaistva SSSR i SShA. Moskva, "Mysl'," 1964. 149 p.

UNITED STATES—AIRPLANES, MILITARY

Foreign military news. Voen. vest. 44 [illegible] My '64.

UNITED STATES—ANTICOMMUNIST MOVEMENTS

[illegible]

UNITED STATES—ARMY—AIRBORNE TROOPS

Air attack division, a new [illegible] [illegible] Voen. vest. 44 [illegible] '64

"Big lift" from America to Europe. [illegible] '64

UNITED STATES—BURSAE—CANCER

Current state of the [illegible]

UNITED STATES—COMMUNISM AND LITERATURE

Platonov, I. K. [United States of America] [illegible] [Literature] [illegible]

UNITED STATES—CONSERVATION

[illegible]

UNITED STATES—CORPORATIONS

[illegible]

UNITED STATES—CULTURE

[illegible] United States of America [illegible] Moskva, Izd-vo [illegible] 1964 [illegible]

UNITED STATES—DISPLAY OF MERCHANDISE

Advertising [illegible] '64

UNITED STATES—ECONOMIC CONDITIONS

[illegible] '64

UNITED STATES—ELECTIONS

[illegible]

UNITED STATES—FOREIGN ECONOMIC RELATIONS—RUSSIA

Ivanov, V. V. [Russian-American economic relations, 1900-1917] Russko-amerikanskie ekonomicheskie otnosheniia (1900-1917 gg.). Moskva, [illegible] 1964. 322 p.

UNITED STATES—FOREIGN RELATIONS—CUBA

[illegible]

UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA

[illegible]

UNITED STATES—FOREIGN RELATIONS—RUSSIA

Nesmeiov, O. V. [What kind of peaceful coexistence do the ideologists of imperialism want?] [illegible] Moskva, Izd-vo "Mysl'," 1964. 139 p.

UNITED STATES—GEOGRAPHY

Antilles [illegible] Ja '64

UNITED STATES—HISTORIOGRAPHY

Methodological research [illegible] historiography [illegible] A. B. [illegible] '64

[illegible]

UREA AS FEED (Continued)

[illegible] bicarbonate in cattle rations [illegible] in English, German, and French]. [illegible] M.V. Kovaleva, A.S. Tabilin. [illegible] 8 no. 9 51-60 S '63

[illegible] of carbamide (urea) during the ensilage process. [illegible] I. Rhostal [illegible] I.R. Kivkutsan. Vest. sel'khoz. nauki [illegible] no. 2 16-22 F '64

[illegible] of milk in cows fed urea supplements. V.A. [illegible] G. S. Bo[illegible]. Vest. sel'khoz. nauki 9 no. 2 [illegible] F '64

Using synthetic urea in cattle fattening. I. F. Ros' and others. Nauk. pratsi Zootekh. fak. Kam.-Pod. sil'hosp. [illegible] 12-15 '63

Using urea for the enrichment of corn silage with proteins. V. F. Pesotskii. Vest. sel'khoz. nauki 9 no. 5 19-23 My '64

UREA CONDENSATION PRODUCTS

Obtaining cationic and amphoteric water-soluble condensation products of amines and phenols with dimethylolurea. N.A. IArenchak, L.M. Shuter, IA.P. Berkman. Dokl. LPI 3 no. 1/2 55-58 '63

URETERS—DISEASES

A case of bilateral dilatation of the renal pelves and ureters in endometriosis of the ovaries. M.V. Radovitskii. Akush. i gin. no. 1 135-136 '63

URETHANES

Catalytic synthesis of nitropolyurethanes by copolymerization of diisocyanates with nitrodiols and nitrotriols. N.L. Sololova, L.M. Kozlov, V.I. Burmistrov. Vysokom. soed. 6 no. 4 722-725 Ap '64

Comparative sensitivity of the cell and cytoplasm of Amoeba proteus to the damaging action of acriflavine and urethane, tests in the transplantation of nuclei. A. L. IUdin. Sbor. rab. Inst. tsit. no. 7 128-144 '63.

URETHRA—INFLAMMATION

Use of [illegible] in the treatment of males with trichomonal urethritis. I. I. Sukhar. Vest. derm. i ven. 37 no. 9 [illegible] S '63

URINARY ORGANS—RADIOGRAPHY

Diagnosis of closed bladder lesions. I. B. Moskvin, E. A. Pakentreiger. Khirurgiia 39 no. 8 92-97 Ag '63

URINE

Excretion of catechol amines (adrenaline, noradrenaline, dopamine and dopa) with human urine. G. N. Kassil', E. Sh. Matlina. Dokl. AN SSSR 156 no. 5 1236-1238 Je '64.

URINE—ANALYSIS AND PATHOLOGY

Amount of vitamins B_1 and PP in the urine in gastritis with secretory insufficiency. F. A. Vasilenko. Trudy Inst. kraev. eksper. med. no. 5:45-51 '63.

Determination of urobilin in the urine by fluorometry. O.K. Erykalova. Lab. delo no. 2,99-100 '64.

Dynamics of the coefficient of incomplete oxidation of urine in cutaneous tuberculosis during tubazid therapy [with summary in English]. I. B. Veinerov, R. P. Vel'tman. Vest. derm. i ven. 37 no. 9 16-20 S '63

Filtration of some urine components through different types of polysaccharide gels. N. A. Fedorov, IU. N. Kasatkin. Vop. med. khim. 9 no. 1 79-83 Ja-F '63.

Simple method for the qualitative determination of bile acids in the urine. D. V. Starosel'skii. Lab. delo no. 2: 101 '64.

URINE—INCONTINENCE

Urinary incontinence arising after rupture of the symphysis pubis during labor. I. P. Tumanov. Akush. i gin. no. 1 128-129 '63.

UROBILIN

Determination of urobilin in the urine by fluorometry. O.K. Erykalova. Lab. delo no. 2:99-100 '64.

UROCANASE

Determination of urocanase in the blood in carbon tetrachloride poisoning. S. R. Mardashev, V. A. Burobin. Vop. med. khim. 9 no. 1:93-94 Ja-F '63.

UROPEPSIN

Methodology for determining uropepsin. A. A. Krylov, V. P. Gusev. Lab. delo no. 2:105-106 '64.

UROPEPSINOGEN

Clinical significance of the determination of uropepsinogen in peptic ulcer. A. R. Luzhis, E. S. Ryss. Vest. AMN SSSR 18 no. 10:60-65 '63.

URUGUAY—POLITICS AND GOVERNMENT

Two studies on Battlism. S. S. Mikhailov. Nov. i noveish. ist. no. 1:152-157 '64.

URUP ISLAND—GEOLOGICAL TIME

Absolute age of the intrusive rocks of the Kunashir and Urup Islands (Kurile Islands). L. V. Firsov. Dokl. AN SSSR 156 no. 4:841-842 Je '64.

URYUPINSK DISTRICT—AGRICULTURE—AUDITING AND INSPECTION

How the work is organized in the Uryupinsk Territorial Auditing Office. S. Anisimov. Vest. stat. no. 6:46-48 '64

UST'-LABINSK DISTRICT—CHEMICAL INDUSTRIES

Useful discussion. A. Kostarev. Part. zhizn' no. 10 46-47 My '64

USTYURT—GAS, NATURAL—GEOLOGY

Tectonic pattern and the prospects for finding gas and oil in northeastern Usturt. I. S. Pleshcheev. Neftegaz. geol. i geofiz. no. 4 28-30 '64.

USTYURT—GEOLOGY, STRUCTURAL

Tectonic pattern and the prospects for finding gas and oil in northeastern Usturt. I. S. Pleshcheev. Neftegaz. geol. i geofiz. no. 4 28-30 '64.

USTYURT—PETROLEUM GEOLOGY

Tectonic pattern and the prospects for finding gas and oil in northeastern Usturt. I. S. Pleshcheev. Neftegaz. geol. i geofiz. no. 4 28-30 '64.

UTERUS—CANCER

Anesthesia in extensive extirpation of the uterus due to cancer. B. A. Agaev. Vop. onk. 8 no. 9:90-94 '62.

Determination of doses in intracavital treatment of cancer of the uterus taking into consideration the position of radioactive preparations in the pelvis. A. A. Stankevich. Vop. onk. 8 no. 9:75-79 '62.

Example of estimating the focal and integral absorbed doses in combined radiotherapy of patients with cancer of the cervix uteri [with summary in English]. V. A. Petrov and others. Med. rad. 8 no. 10:52-57 O '63.

UTERUS—DISEASES

Course of pregnancy and labor after diathermocoagulation of the cervix uteri. A. B. Gillerson, A. S. Pshenichnikova. Akush. i gin. no. 1 64-67 '63.

Diathermic conization in some diseases of the cervix uteri. Sov. med. 27 no. 10:118-122 O '63.

Procreative function of women after surgical diathermy of the cervix uteri. L. N. Startseva. Akush. i gin. no. 1 57-63 '63

Some data on the characteristics of the state of the cervix uteri in sterility. N. I. Kuzavova. Akush. i gin. no. 1 53-57 '63.

UTERUS—DISPLACEMENT

Recovery of a patient after prolapse of the anus and the uterus. D. V. Mysh. Khirurgiia 38 no. 12:105-106 D '62

UTERUS—RADIOGRAPHY

Comparative evaluation of data on pertubation and hysterosalpingography in determination of the anatomical and functional state of the uterus and the tubes. S. S. Degtiarev. Akush. i gin. no. 1,8-13 '63.

UTERUS—SURGERY

Anesthesia in extensive extirpation of the uterus due to cancer. B. A. Agaev. Vop. onk. 8 no. 9:90-94 '62.

Inverted suture in conical amputation of the cervix uteri. D. A. Donetskii. Akush. i gin. no. 1:117-118 '63.

UTERUS—TUMORS

Cytological examination of surface scrapings of the cervix uteri in prophylactic examinations in women. E. A. Nevskaia. Lab. delo no. 2:102-104 '64.

Labor after simultaneous removal of a submucous fibromatous node and ovarian fibroma. V. P. Pichuev. Akush. i gin. no. 1.134-135 '63.

Results of the use of conical diathermic excision in the treatment of pathological processes in the cervix uteri resulting from birth injuries. S. S. Rogovenko. Vop. onk. 8 no. 11:84-88 '62

UZBEK LITERATURE—HISTORY AND CRITICISM

Zakhidov, Vakhid. [From the history of Uzbek literature. Iz istorii uzbekskoi literatury. Tashkent, Goslitizdat UzSSR] 1961. 264 p. [In Uzbek]
(MH)

UZBEKISTAN—AGRICULTURAL POLICY

Soveshchanie rabotnikov sel'skogo khoziaistva Uzbekistana, Tashkent, 1963. [Socialist pledges of the agricultural workers of Uzbekistan for 1963, the fifth year of the seven-year plan] Sotsialisticheskie obiazatel'stva truzhenikov sel'skogo khoziaistva Uzbekskoi SSR na 1963 god - piatyi god semiletki. Tashkent, Gos. izd-vo UzSSR, 1963. 43 p.

UZBEKISTAN—ALFALFA

Dynamics of the growth of the second and third year of alfalfa before the first cut in relation to the air temperature in Uzbekistan. I. G. Sabinina. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 16:85-88 '63.

UZBEKISTAN—ATMOSPHERIC TEMPERATURE

Formation of temperature inversion on a potato field. F. A. Muminov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 16:75-79 '63.

UZBEKISTAN—BIOLOGICAL RESEARCH

Development of biological science in Uzbekistan during the last 20 years. Uzb. biol. zhur. 7 no. 6:5-7 '63.

UZBEKISTAN—COLITIS

Clinical aspect and treatment of nonspecific ulcerative colitis in a hot climate. A. I. Il'khamov. Trudy Inst. kraev. eksper. med. no. 5:52-60 '63.

UZBEKISTAN—COTTON—FERTILIZERS AND MANURES

Effect of potassium fertilizers on the development of cotton, structure of cotton bush, and quality of raw cotton. I. I. Madraimov. Trudy SoiuzNIKHI no. 3 86-99 '63.

Effectiveness of compound solid and liquid fertilizers on cotton. N. N. Zelenin. Trudy SoiuzNIKHI no. 3:160-167 '63.

From the work of the Laboratory of Agricultural Chemistry. P. V. Protasov and others. Trudy SoiuzNIKHI no. 3:99-114 '63

From the work of the Laboratory of Plant Physiology. Methods for sand and soilless cultures in studying the root nutrition of cotton. M. A. Belousov. Trudy SoiuzNIKHI no. 3:114-141 '63.

Work results of the Laboratory of Microbiology for 1960-1961. A. L. Toropkina, V. V. Ngrebetskaia, O. I. Khusanbaeva. Trudy SoiuzNIKHI no. 3:152-160 '63.

UZBEKISTAN—COTTON GROWING

Basic fall and spring tillage for cotton crops and their care. V. P. Kondratiuk. Trudy SoiuzNIKHI no. 3 30-66 '63.

Basic results of the study of the new defoliants and desiccants for cotton. T. S. Zakirov. Trudy SoiuzNIKHI no. 3:175-184 '63.

Economics and organization of the production of collective and state farms. I. S. Davydov. Trudy SoiuzNIKHI no. 3:194-220 '63.

Large cotton crops delivered to the State by the cotton growers. V. N. Stotskii. Tekst. prom. 24 no. 4:13-17 Ap '64.

UZBEKISTAN—COTTON WILT

Manure-soil composts as a means of controlling cotton wilt. S. M Tupenevich, I. Egamov. Agrobiologiia no. 2 254-259 Mr-Ap '64

UZBEKISTAN—FLOUR MILLS

Industry engaged in the storage and processing of grain in Uzbekistan, 40th anniversary of the Uzbek S.S.R. F. Timofeev, I. Postolov. Muk.-elev. prom. 30 no. 6: 10-12 Je '64.

UZBEKISTAN—FRUIT—CHEMICAL COMPOSITION

Change in the vitamin C content of fresh and canned fruits and berries. G. M. Makhkamov, V. IA. Men'kovich. Trudy Inst. kraev. eksper. med. no. 5:19-27 '63.

UZBEKISTAN—GAS, NATURAL—GEOLOGY

Prospects for finding gas and oil in the Darganata region. A. K. Karimov, E. B. Lebzin, Kh. V. Avazmatov. Neftegaz. geol. i geofiz. no. 4:3-7 '64.

UZBEKISTAN—GRAIN ELEVATORS

Industry engaged in the storage and processing of grain in Uzbekistan, 40th anniversary of the Uzbek S.S.R. F. Timofeev, I. Postolov. Muk.-elev. prom. 30 no. 6: 10-12 Je '64.

UZBEKISTAN—HISTORICAL MUSEUMS

Akademiia nauk Uzbekskoi SSR, Tashkent. Muzei istorii Uzbekskoi SSR. [A treasure-house of the history of Uzbekistan; a guide through the halls of the Museum of History of the Uzbek S. S. R.] Sokrovishchnitsa istorii Uzbekistana; putevoditel' po zalam Muzeia istorii UzSSR. Tashkent, 1961. 86 p.
(IEN)

UZBEKISTAN—HYDATIDS

Alveolar echinococcosis in Uzbekistan. V. M. Sadykov. Uzb. biol. zhur. 7 no. 6:13-16 '63.

UZBEKISTAN—HYPERTENSION

Comparative evaluation of vascular reactions in nephritis and hypertension in Uzbekistan climate. I. I. Lazarenko. Kardiologiia 3 no. 6:70 N-D '63.

UZBEKISTAN—IRRIGATION CANALS AND FLUMES

Dynamics of freshwater under irrigation canals. IA. K. Levin. Trudy VNIIGIM 42:5-19 '63.

UZBEKISTAN—KIDNEYS—DISEASES

Comparative evaluation of vascular reactions in nephritis and hypertension in Uzbekistan climate. I. I. Lazarenko. Kardiologiia 3 no. 6:70 N-D '63.

UZBEKISTAN—NEMATODA

Spreading of gongylonemiasis among the cattle of the Uzbek S.S.R. E. A. Shakhmurina, A. A. Turkhmaniants. Uzb. biol. zhur. 7 no. 6:29-31 '63.

UZBEKISTAN—ORE DEPOSITS

Some characteristics of Cimmerian and Alpine metallogeny in Uzbekistan. I. Kh. Khamrabaev and others. Zakonom. razm. polezn. iskop. 7:295-300 '64.

UZBEKISTAN—PARASITES—CARNIVORA

Materials on helminths of wild carnivorous animals of Uzbekistan. P. Muminov. Uzb. biol. zhur. 7 no. 6: 44-49 '63.

UZBEKISTAN—PARASITES—CATS

Helminths of wild cats of Uzbekistan and their relation to the ecology of host animals. P. Muminov, A. M. Allaiarov. Uzb. biol. zhur. 7 no. 6:17-24 '63.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VECTOR ANALYSIS

[illegible] vector cycles with extremum properties [illegible] Uch zap [illegible] 1 no 2 [illegible] '64

VECTOR CARDIOGRAPHY

[illegible] heart. V. V. Martsenko. [illegible] 47-51 N-D '63

VEGETABLE BREEDING

[illegible] and its significance for the development of vegetable gardening. I. A. [illegible]. [illegible] zhur. [illegible] F '64

VEGETABLE GARDENING
(see also subdivision under Kherson Province)

Aliev, F. A., IA. A. Diukarev, and B. V. Latenko. [Soilless growing of vegetables in greenhouses] Vyrashchivanie ovoshchei v teplitsakh bez pochvy. Pod red. I. G. Vyval'ko. [Kiev] Gossel'khozizdat USSR [1964] 141 p.
(DNAL)

[Handbook on vegetable gardening] Koogiviljanduse kasiraamat. Tallinn, Eesti Riiklik Kirjastus, 1964. 670 p. [In Estonian]
(DNAL)

VEGETABLE GARDENING—EQUIPMENT AND SUPPLIES

[illegible] planters for vegetable crops K [illegible]. Tekh v sel'khoz. 24 no 3:91-93 Mr '64

VEGETABLE GARDENING—TECHNOLOGICAL INNOVATIONS see subdivision under Crimea

VEGETABLE JUICES—ANALYSIS

Composition and evaluation of carrot juice. Kons.i ov. prom. 19 no.4 36 Ap '64.

VEGETABLES

[Manual on the seed production of vegetable and vine plants] Spravochnik po semenovodstvu ovoshchnykh i bakhchevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 694 p.
(DNAL)

VEGETABLES—FERTILIZERS AND MANURES see subdivision under Crimea; Odessa region

VEGETABLES—IRRIGATION see subdivision under Magnitogorsk region

VEGETABLES—STORAGE

Improve accounting in vegetable storage. A. Shpig. Bukhg uchet 21 no 2 54-56 F '64

VEGETATION AND CLIMATE
(see also subdivision under Karakum; Turan Lowland)

Distribution of meteorological elements in the vegetative cover. I. G. Mashkin. Trudy GGO no 144 114-123 '63

VEHICLES, MILITARY

Day and night. N. Mazikov. Tekh i vooruzh. no. 1:39-41 Ja '64

We are training specialists in engineer vehicles. A. Sliusarev. Voen.vest. 44 no.6:96-99 Je '64.

VELICHKIN, VLADIMIR IVANOVICH, 1890-1953

V. I. Velichkin, the most prominent social hygienist in the Urals. N. M. Mamzina. Trudy Perm. gos. med. inst. 43 212-219 '63.

VELIKAYA MIKHAYLOVKA DISTRICT—PARASITES—CATTLE

Parasites of cattle and calves of the Lenin Collective Farm in the Velikaya Mikhaylovka District of Odessa Province. IU P. Lagutenko. Pratsi Od.un.Zbir.stud.rob. 146 no.4 117-118 '56

VELIKIY BEREZNYY (TRANSCARPATHIA)—DRUGSTORES

About our work. V V Semeniuk. Farmatsev. zhur 16 no 4 64-65 '61.

VELIKIYE LUKI—SLAVIC STUDIES

Preface. Uch zap.Velikoluk.gos.ped.inst. no.22:3-9 '63.

VENEERS AND VENEERING
(see also subdivision under Denmark)

Thermal treatment of flitches in autoclaves. V F Altukhov. Der prom 13 no 5 20-21 My '64

VENEREAL DISEASES see subdivision under Cambodia; Perm Province

VENEREAL DISEASES—PREVENTION

Kiselev, O. A. [Let's eliminate venereal diseases] Unichtozhim venericheskie bolezni. Moskva, Meditsina, 1964. 23 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

VENEREOLOGY

Book reviews. Vest. derm. i ven. 37 no. 6:78-80 Je '63.

Book reviews. Vest derm i ven. 37 no. 9:88-93 S '63.

Significance of laboratory studies in the control of venereal diseases. N. M. Ovchinnikov. Vest derm. i ven 37 no 6:48-52 Je '63.

VENEZUELA—POLITICS AND GOVERNMENT

A subjective evaluation of the role of the middle classes in the economic and political life of Venezuela. IA. G. Mashbits. Vop. ist 39 no 6 201-202 Je '64.

VENOM

Cross-neutralization by sera of animals affected by snake venom and encephalitis virus. E. N Pavlovskii, A. A Pchelkina, F. F Talyzin. Dokl AN SSSR 156 no. 6 1339-1340 Je '64.

VENTILATION

Romanenko, P. N., and M. IA. Roitman. [Fire prevention measures for heating and ventilation systems] Pozharnaia profilaktika otopitel'no-ventiliatsionnykh sistem. Moskva, Izd-vo lit-ry po stroitel'stvu "Stroiizdat," 1964. 251 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva [Collection No. 9 of standard district estimates for construction work; indoor water supply, sewerage, heating, and ventilation] Sbornik No 9 edinykh raionnykh edinichnykh rastsenok na stroitel'nye raboty; vnutrennie vodoprovod, kanalizatsiia, otoplenie i ventiliatsiia. Moskva, Stroiizdat
Pt. 2. [Ventilation] Ventiliatsiia. Izd. 4., ispr. i dop. 1964. 743 p.

Ventilating chambers of precast reinforced concrete. V. P. Nefed'ev. Prom. stroi. 41 no. 1 47 Ja '64.

VENTILATION—SAFETY MEASURES

Ardaev, V. B. [Safety manual for tinsmiths and ventilation equipment assemblers engaged in the preparation of ventilation ducts] Pamiatka po tekhnike bezopasnosti dlia zhestianshchika i slesaria-ventiliatsionnika, zaniatykh izgotovleniem ventiliatsionnykh vozdukhovodov. Moskva, Stroiizdat, 1964. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

VENTRICULIN

Treatment of peptic ulcer and chronic gastritis with ventriculin. A. N. Grigor'iants. Sov. med 27 no. 10 106-109 O '63.

VEREISKII, OREST

Orest Vereiskii. K. Kravchenko. Iskusstvo 27 no. 4:18-24 Ap '64

VERESHCHAGINA, ALEKSANDRA MIKHAILOVNA, 1810-1873

A. M. Vereshchagina archive. I A. Gladysh, T. G. Dinesman. Zap. Otd. ruk. no. 26 34-62 '63.

VERIGO, BRONISLAV FORTUNATOVICH, 1860-1925

B. F. Verigo, first physiologist in the Urals. V. I. Bel'tiukhov. Trudy Perm. gos. med. inst. 43:73-83 '63.

VERKHNIY ZGID REGION (OSSETIA, NORTH)—LEAD ORES

Structural control of lead-zinc mineralization in the Zgid ore field. A. N. Atanasov. Geol. rud. mestorozh. 6 no. 2:102-108 Mr-Ap '64

VERKHNIY ZGID REGION (OSSETIA, NORTH)—ZINC ORES

Structural control of lead-zinc mineralization in the Zgid ore field. A. N. Atanasov. Geol. rud. mestorozh. 6 no. 2:102-108 Mr-Ap '64.

VERMICULITE

Using expanded vermiculite in the manufacture of large panels. N. A. Popov, F. S. Podoliak. Stroi. mat. 10 no. 2:18-19 F '64.

VERRETT-CARTER, SHIRLEY

Creative conviction. Nadezhda Kazantseva. Sov. muz. 27 no. 12:85-86 D '63.

VERTEBRAE, CERVICAL—DISEASES

Amyotrophic lateral sclerosis syndrome in cervical osteochondrosis. V. V. Mikheev and others. Zhur. nevr i psikh. 63 no. 6:833-840 '63.

VERTEBRATES

Shvarts, S. S., ed. [Problems of the intraspecific variability of terrestrial vertebrates and microevolution] Voprosy vnutrividovoi izmenchivosti nazemnykh pozvonochnykh zhivotnykh i mikroevoliutsiia. Sverdlovsk, In-t biologii Ural'skogo filiala Akad. nauk SSSR, 1964. 159 p.

VERTEBRATES—PARASITES see Parasites—Vertebrates

VERTICILLIUM see subdivision under Tajikistan

VESTIBULAR APPARATUS

Thresholds of caloric nystagmus during the rotation at a constant velocity. I. V. Orlov. Dokl. AN SSSR 156 no. 4:972-975 Je '64.

VETCH

Chemical composition of Onobrychis sibirica Turcz. and multicolored vetch (Vicia picta Fisch. et Mey.). E. I. Komizerko. Biul. Glav. bot. sada no. 53:77-80 '64.

VETERINARY ANATOMY

Arterial anastamosis and the paths of collateral circulation in hip muscles of domestic animals. A. N Shiman. Nauk pratsi Zootekh fak Kam '-Pod. sil'hosp. inst. 5 52-55 '63.

Arteries in the flexor muscles of the hip joint in domestic animals. A. M. Shiman. Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 56-59 '63

Biomorphology of the blood vessels of lungs. K. Bordengarov. Trudy AZVI 12:561-567 '61

Characteristics of the histological structure of the skeleton of animals as related to their body constitution. I I Khotsianovs'kyi. Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 5 11-46 '63.

Photodiagraph and its use in morphological investigations. A. L Avershin. Trudy AZVI 12 593-596 '61

VETERINARY INSTRUMENTS AND APPARATUS

Using the medical gastric tourniquet in the amputation of the auricula of dogs. M. A. Khanin. Trudy AZVI 12.601-603 '61

VETERINARY MATERIA MEDICA AND PHARMACY

Materials on the mechanism of the action of antireticular cytotoxic serum (ACS). S I. Sevast'ianov. Trudy AZVI 12 265-284 '61.

Pharmacology of adrenaline and its substitutes. V. I. Zubchenkov. Trudy Smol NIVS no 2:140-171 '62

Treating trichomoniasis in cows with trypaflavine, aminoacrichine, and calciferol. I. V. Petrukhin. Trudy Smol NIVS no. 2:219-229 '62.

VETERINARY MEDICINE

Filatov, P. V., N. A. Sudakov, and I. M. Botiaev. [Practical exercises in clinical diagnosis by X-raying] Prakticheskie zaniatiia po klinicheskoi diagnostike s rentgenologiei. Moskva, Izd-vo "Kolos," 1964. 100 p. (Uchebniki i uchebnye posobiia dlia vysshikh uchebnykh zavedenii)
(DNAL)

Minsk. Nauchno-issledovatel'skii veterinarnyi institut. [Controlling losses in animal husbandry; transactions] Bor'ba s poteriami v zhivotnovodstve, trudy NIVI. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 212 p.
(DNAL)

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. no. 12 Je '64.

VETERINARY MEDICINE—BIBLIOGRAPHY see Bibliography—Veterinary medicine

VETERINARY MICROBIOLOGY

New method of vital staining of bacteria. G. M Ivanova. Trudy AZVI 12:619-622 '61.

VETERINARY PARASITOLOGY see subdivision under Kazakhstan

VETERINARY PATHOLOGY

Clinicophysiological trends in studying the etiology, pathogenesis, and principles of the treatment of diseases of the digestive and respiratory systems. IA. I Kleinbok. Trudy AZVI 12 233-237 '61.

Morphological analysis of secretory disorders in the stomach and intestines in case of obstructions in domestic animals. M. T. Kleinbok. Trudy AZVI 12:369-396 '61

Role of the nervous system in the development of pneumonia in animals. M. I. Nemchenko. Trudy Smol. NIVS no. 2:20-31 '62.

VETERINARY PHYSIOLOGY

Determining the physiological reactivity of the animal organism by the skin test method. G M. Ivanova. Trudy AZVI 12.566-573 '61.

VETERINARY RESEARCH

Perfecting the formulas of computing the volume of circulating blood in animals by the stain-colorimetric (infusion) method. Calculating table. Zh. Bekmurzaev. Trudy AZVI 12:611-618 '61

VETERINARY SURGERY

Operative methods of treating aseptic and suppurative necrotic lesions of the withers in horses. N. F. Fat'kin. Trudy AZVI 12.421-456 '61.

Operative treatment of some forms of the mastitis in sheep. L V. Domashneva. Trudy AZVI 12:459-461 '61.

VIBRATED CONCRETE

Use of a surface vibration thickener during the concreting of piling. N. S. Dereviaпko, L. B. Moizhes, G. L. Shelkovich. Transp. stroi. 14 no. 3:50-51 Mr '64.

VIBRATION

Using the averaging method in investigating dynamic stability of a vibrating system with arbitrarily variable parameters. V. M. Kuz'ma. Prykl. mekh. 10 no. 3: 310-316 '64.

VIBRATION—PHYSIOLOGICAL EFFECT

Complex action of vibration and ionizing radiation on vestibular and motor-defense reflexes. Z. I. Apanasenko, M. A. Kuznetsova. Probl. kozm. biol. 3:269-277 '64.

Effect of vibration and ultrasound on the complement activity of human serum. F. S. Okolov, S. Kh. Nikolov, T. B. Romantsova. Zhur. mikrobiol., epid. i immun. 40 no. 10:47-51 O '63.

VIROLOGY—CONGRESSES

Briefnews Vop virus no 6 749-750 N-D '63

VIROLOGY—CULTURES AND CULTURE MEDIA

Differentiation of transplanted cell strains by their sensitivity to viruses V I Gavrilov, S A Demidova, V F Bondarenko Vop virus no 6 728-734 N-D '63

Phagolytic enzyme detectable on solid culture media. D.M Gol'dfarb, V.A Zue. Vop.virus. no 6.662-667 N-D '63

VIROLYSIN

Phagolytic enzyme detectable on solid culture media D M.Gol'dfarb, V A Zue.. Vop.virus no 6 662-667 N-D '63.

VIRUS DISEASES

Characteristics of the course of some experimental neuroviral infections under the influence of supplementary factors on the organism P.I Remezov, Vop.med.virus. no.6 272-275 '59.

Nature of condyloma acuminatum of the penis (with summary in English) A L Shatad Vest derm.i ven 37 no 9 52-4 S '63

Reaction of hemagglutination and inhibition of hemagglutination in transmissive viral infections. S.A. Ananian, G.I.Pivanova, Vop.med.virus. no.6 16-23 '59

Urgent tasks of virological studies in neuropathology. A G.Parov. Vop.med.virus. no 6.207-211 '59.

Vasil'ev, K.G. [Introduction to the epidemiology of virus infections] Vvedenie v epidemiologiiu virusnykh infektsii. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 83 p.

Virological study of the etiology of neural infections in children. F.N.Bychkova. Vop.med.virus. no 6 281-286 '59.

Voroshilova, M.K., V.I. Zhevandrova, and M.S. Balaian. [Methodology of laboratory diagnosis of enterovirus infections] Metody laboratornoi diagnostiki enterovirusnykh infektsii] Metody laboratornoi diagnostiki enterovirusnykh infektsii. Moskva, Meditsina, 1964. 151 p.
(DNLM)

VIRUS DISEASES—BIBLIOGRAPHY see Bibliography—Virus diseases

VIRUS DISEASES OF ANIMALS

Possibility of detecting the virus of laryngotracheitis in fowl by using the double diffusion precipitation in agar reaction G A Lezhava Soob AN Gruz SSR 30 no 3 325-327 Mr '63

VIRUS DISEASES OF PLANTS

Diagnosis of the virus diseases of lupine Phaseolus virus and Cucumus virus 1. N.B.Porembskaia. Zashch. rast.ot vred.i bol. 9 no.2:46-47 '64.

VIRUS RESEARCH

Editor's note Vop.virus no 6:745 N-D '63.

VIRUSES

Simian oncogenic viruses producing tumors in man. V.A. Parnes Vop.virus. no.6 643-649 N-D '63.

VIRUSES—CULTURES AND CULTURE MEDIA

Cultivation of the virus of Omsk hemorrhagic fever in tissue cultures. L.G.Karpovich. Vop.med.virus. no.6.41-44 '59.

Importance of tissue culture in the study of oncogenic viruses. A.D.Timofeevskii. Vop.onk. 8 no.9:3-9 '62.

Study of some factors influencing the sensitivity of the titration and neutralization of the viruses of American equine encephalomyelitis in tissue culture. N.V. Kaverin. Vop.med.virus. no.6 255-260 '59.

Study of viruses in tumors of chicken embryos. T.M. Maevskaia. Vop.med.virus. no.6:267-272 '59.

VISCERA

Morphological changes in experimental diphtherial intoxication in animals with different types of nervous systems. I.V.Skorodumova, L.D.Amiantova. Zhur. mikrobiol., epid.i immun. 40 no.5:143-147 My '63.

VISCERA—INNERVATION

Effect of the stimulation of internal organs on the respiratory movements in dogs. D.V.Kadzhaia. Trudy Inst. fiziol.AN Gruz.SSR 13:139-146 '63.

VISCOSITY

Effect of the viscosity of the pumped fluid on the efficiency of a centrifugal pump. A.D.Matushkin. Izv.vys. ucheb.zav., neft' i gaz 5 no.11 82-88 '62.

Flow birefringence and viscosity of polyacrylic acid solutions. V.N.TSvetkov, S.IA.Liubina, T.V.Barskaia. Vysokom.soed. 6 no.5:806-810 My '64.

Hydrodynamics of polymer solutions. Part 7. Effect of long range interaction on the intrinsic viscosity of macromolecules near the Θ -point. IU.E.Eizner, O.B.Ptitsyn. Vysokom.soed. 6 no.5:777-781 My '64.

Ratio of Haggins constants for monodisperse and heterodisperse solutions of polystyrene and poly-α-methylstyrene. Z A.Machionis, B.V Erofeev. Dokl AN BSSR 8 no 4:237-240 Ap '64

VISIBILITY

Visibility from a steerage deckhouse. V.B.Osipchuk. Sudostroenie 30 no.5:6-7 My '64.

VISION

Histochemical studies on thiol groups of proteins in various structures of the visual analysor in rabbits and guinea pigs in ontogenesis. A.S.Chekunov. Zhur.vys. nerv.deiat. 14 no.1:155-160 Ja-F '64.

Representation of the visual analysor in the cerebral cortex. V.G.Skrebitskii, E.G.Shkol'nik-IArros. Zhur.vys.nerv.deiat. 14 no.2 277-286 Mr-Ap '64.

VISUAL AIDS

Mobile circular diagrams. B.V.Zhiganov Shkola i proizv. 8 no 7:72-74 Jl '64.

Visual aids for political studies. N.Dormidontov. Komm.Vooruzh.Sil 4 no.9 81-83 My '64.

VISUAL PURPLE

Study of the effect of ionizing radiation on rhodopsin. A.A.Lalaian. Vop.radiobiol.[AN Arm.SSR] 3/4: 156-172 '63.

VITAMIN METABOLISM

Effect of feed terramycin on vitamin metabolism in chicks Z.A.Razumovskaia. Trudy Smol NIVS no 2:195-203 '62.

VITAMINS

(see also subdivision under Ural Mountain region)

Amount of vitamins B_1 and PP in the urine in gastritis with secretory insufficiency. E.A.Vasilenko. Trudy Inst.kraev.eksper.med. no.5 45-51 '63.

Dombrovskaia, IU.F. [Vitamin deficiency in children] Vitaminnaia nedostatochnost' u detei. Moskva, Medgiz, 1963. 311 p.
(DNLM)

Kukaine, Rita, and Julijs Jakobsons. [Vitamins and their sources in nature] Vitamini un to avoti daba. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 75 p. [In Latvian]

Level of some respiratory enzymes and vitamins in the blood of Kazakh fine-wool sheep. T A Kenesarin Trudy AZVI 12 512-517 '61.

Nitrogen and vitamin requirements of various species of dysentery bacteria, author's abstract. F.A.Kiprianova. Zhur.mikrobiol.,epid.i immun. 40 no.10:147 O '63.

Pharmacology of complex compounds of cobalt salts with some vitamins. R.P.Pulatov, I.K.Kamilov. Uzb.biol. zhur. 7 no.6:84-86 '63.

Shub, R.L. [Vitamins for the mother and child] Vitaminy materi i rebenku. Moskva, Meditsina, 1964. 16 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

VITAMINS—A

Output of Na and K ions from the external segments of retinal photoreceptors under the influence of illumination and vitamin A. R.N.Etingov, S.A.Shukoliukov, V.G. Leont'ev. Dokl.AN SSSR 156 no.4:979-981 Je '64.

Review of K.M.Leutskii's book "Vitamin A". M.Bogdal. Vop.med.khim. 9 no.1:108-109 Ja-F '63.

VITAMINS—B

Vitamin B requirements of some representatives of yeasts of the genus Candida. M.A.Ter-Karapetian, E.N.Makarova. Izv.AN Arm.SSR.Biol.nauki 16 no.5:15-24 My '63.

VITAMINS—B_2 see Riboflavin

VITAMINS—B12 see Cyanocobalamine

VITAMINS—E see Tocopherol

VITAMINS—G see Riboflavin

VITAMINS—P

Concentration of ascorbic acid and catechins with vitamin P activity in fresh and dried wild plants of the Donets virgin steppe. P.P.Lymarova. Farmatsev.zhur. 15 no.5:66-71 '60.

VITAMINS AS FEED

Mannik, August. [Importance of vitamins in livestock and poultry feeding] Vitamiinide tahtsus pollumajandusloomade ja -lindude sootmisel. Tallinn, Eesti Raamat Kirjastus, 1964. 40 p. [In Estonian]
(DNAL)

VITEBSK—FURNITURE INDUSTRY

Continuous line for the manufacture of wire frames for upholstered furniture padding. B.F.Tokarchuk. Der. prom. 13 no 5:23-24 My '64.

VITEL'S, LAZAR' ABRAMOVICH, 1903-

Lazar' Abramovich Vitel's, on his 60th birthday. Meteor. i gidrol. no.5:62-63 My '64.

VITICULTURE

(see also subdivision under Estonia; Moldavia)

The 10-6 unit for artificial pollination of vineyards. I.D.Abramov, A.N.Gorokhov. Biul.tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 17 no.4:60-61 Ap '64.

VITICULTURE—BY-PRODUCTS see subdivision under Armenia

VLADIMIR—LITERATURES

Side by side with Moscow. Evgenii Ostrov. Oktiabr' 40 no.2:216-219 F '64.

VLADIMIR—SERVICE INDUSTRIES

On the agenda is a talk about good service. Sov. profsoiuzy 20 no.13 20-23 Jl '64

VLADIMIR PROVINCE—EDUCATION, ELEMENTARY

Information. Nach.shkola 32 no.6:95-96 My '64.

VLASOV, VIKTOR

Apple trees will blossom in May V Kostko. Sov voin 46 no.7:34 Ap '64.

VOCATIONAL EDUCATION

(see also subdivision under Azerbaijan; Germany, East, Kizel, Perm Province; Leningrad; Sakhalin; Sverdlovsk Province)

Advertisement. Shkola i proizv. 8 no.6:83 Je '64.

Annual production work at a large-scale plant. D.N. Saphiro. Sred.spets.obr. 11 no.5:19-22 My '64.

Combining instruction with productive work. S.V. Kalashnikov. Shkola i proizv. 8 no.7:83 Jl '64

Concern of the party and the government for the development of specialized secondary education. Sred spets obr 11 no 4 1-4 Ap '64.

Criteria of knowledge and skills. N.A.Chernenko. Shkola i proizv. 8 no.6:31-35 Je '64.

Efficient form of studying. S.Volkov. Prof.-tekh.obr. 21 no.5:27-28 My '64.

Encouraging the students in their production training. V.M.Burmistrov. Shkola i proizv. 8 no 7:84 Jl '64.

Evaluation of students' success in industrial training O K.Kovalev. Shkola i proizv. 8 no.7:35-37 Jl '64.

Foremen should have a secondary vocational education. Prof.-tekh.obr. 21 no.5.31 My '64.

From the pages of newspapers. Sred.spets.obr. 11 no.5:64 My '64.

Great prospects. N.Demchenko. Prof.-tekh.obr. 21 no.5:23 My '64.

Head of a technical school department K.N.Karagez'ian. Sred spets.obr. 11 no 4.5-7 Ap '64

In the State Committee on Vocational and Technical Education attached to the State Planning Commission of the U.S.S.R. Prof.-tekh.obr. 21 no.5:11 My '64.

Let's intensify the technical trend of the program. IU.A. Kustov. Shkola i proizv. 8 no.6:30-32 Je '64.

Let's make better use of progressive educational practices. V.Gru. Prof.-tekh.obr. 21 no.5:24-25 My '64.

Let's make way for progressive practices. Prof.-tekh. obr. 21 no.5:1-2 My '64.

Our search for progress. S.S.Press. Sred.spets.obr. 11 no.4.25-26 Ap '64

Potentialities of mutual cooperation. Prof.-tekh.obr. 21 no.5:32 My '64.

Role of technical planning. O.V.Shchekochikhin. Shkola i proizv. 8 no.7:16-20 Jl '64.

With their own hands. R.Sadykhov. Prof.-tekh.obr. 21 no.5:6 My '64.

VOCATIONAL EDUCATION—AUDIO-VISUAL AIDS

Use of audio-visual aids in education abroad. A.Shal'man. Shkola i proizv. 8 no.6:84-85 Je '64.

VOCATIONAL EDUCATION—BIBLIOGRAPHY see Bibliography—Vocational education

VOCATIONAL GUIDANCE

Aid to vocational guidance. IU.P.Averichev. Shkola i proizv. 8 no.6:51-54 Je '64.

Vocational guidance. P.I.Sinitsyn. Shkola i proizv. 8 no.6:54-60 Je '64.

VOCATIONAL INTERESTS

Development of vocational interests in students. S.I. Bicev, A.M.Korotkov. Shkola i proizv. 8 no.6:15-17 Je '64.

VOICE

Physiological significance of the sounds of the human voice. P.S.Shpakov. Zhur.vys.nerv.deiat. 14 no.2: 230-246 Mr-Ap '64.

VOIT, MIKHAIL

Fight with contrabandists. N.Zaitsev. Sov.voin 46 no.7:20 Ap '64.

WAGES (Continued)

[illegible] funds for wages. A.Gal'- [illegible] no.6:107-113 Je '64.

[illegible] Problems of Labor and Wages [illegible] U.S.S.R. and the All-Union Central Council of Trade Unions. Sots.trud [illegible] 110-111 My '64

[illegible] on Problems of Labor and Wages [illegible] of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots.trud [illegible]-132 Je '64

[illegible] Sov.profsoiuzy 20 no.9 46 My '64.

Gol'skii, L.A. [Wage planning in industry] Planirovanie zarabotnoi platy v promyshlennosti. Moskva, Ekonomika, 1964. 128 p.

[illegible] Sov. profsoiuzy 20 no 13 41 Jl '64

Several problems of distribution according to labor at the present [illegible] stage. E Manevich. Vop ekon no 6 [illegible] 119 Je '64

[illegible] and the establishment of work norms. [illegible], Z Dangadze, O Krasavina. Sots.trud 9 no 6:132-135 Je '64

WAGES—ACCOUNTING

[illegible] accounting for the output and wages. N.Savitskii. Sots.trud 9 no.5:71-75 My '64.

WAGES—BAKERS

[illegible] reducing of workers' turnover. F.A [illegible] Khleb.i kond.prom. 7 no.12 [illegible]-23 D '63.

Wages [illegible] to daily work results. Berezneva. Khleb.i kond.prom. 7 no 12 21 D '63.

WAGES—CHEMICAL INDUSTRIES

Is it possible to agree with Comrade Rogulenko's suggestion? L.Shlyk... Sots.trud 9 no 5:120-121 My '64.

WAGES—CONSTRUCTION WORKERS
(see also subdivision under Bratsk, Irkutsk Province)

Glebov, A.M. [Practical aid for calculating wages in construction] Prakticheskoe posobie po raschetu zarabotnoi platy v stroitel'stve. Leningrad, Stroiizdat, 1964. 183 p.

Wages and bonuses to construction workers. G.Shtefan. Sots.trud 9 no 5:132-139 My '64.

WAGES—ELECTRIC INDUSTRY WORKERS

[illegible] workers of electric equipment plants [illegible] 2 15 F '64

WAGES—FURNITURE INDUSTRY see subdivision under Dyat'kovo (Bryansk Province)

WAGES—MACHINERY INDUSTRY see subdivision under Moscow, Moscow Province

WAGES—MACHINERY INDUSTRY WORKERS see subdivision under Sverdlovsk

WAGES—METALWORKERS

Correct decision is determined by production conditions. G.Shardienko. Sots.trud 9 no.5:116-118 My '64

WAGES—PROSPECTING

Pavlenko, D.M. [Organization of work and wages in prospecting work] Organizatsiia truda i zarabotnoi platy na gornorazvedochnykh rabotakh Moskva, Gosgeolotekhizdat, 1963. 187 p.

WAGES—STOCK AND STOCKBREEDING

The more you do the more you will be paid for G Anurova. Sov. profsoiuzy 20 no 13 12-13 Jl '64

WAGES—SUGAR WORKERS

Wages and bonuses to sugar factory workers. Sots.trud 9 no.6:136-138 Je '64

WAGES—TRACTOR INDUSTRY see subdivision under Kharkov

WAGES—TRANSPORTATION, AUTOMOTIVE

Korf, M.I., M.G. Faibusovich, and D.P. Frolov. [Tables for the computation of wages for automobile, bus, and truck drivers] Tablitsy dlia nachisleniia zarabotnoi platy shoferam Izd. 2., dop. Moskva, Transport, 1964. 266 p.

WAGES AND LABOR PRODUCTIVITY

Increasing labor productivity and wages L.Kunel'skii. Sots.trud 9 no.5:9-14 My '64.

WALLS

Effect of a balcony load on the strength of a self-supporting wall E I.Nikitenko, D.A. Pitliuk Stroi.i arkhit Len 26 no.3 17 Mr '64

WAR

Pechorkin, V.K. [Peace is the principal thing, problems of war and peace in our day] Mir - glavnoe, problemy voiny i mira v sovremennuiu epokhu. Moskva, Izd-vo "Nauka," 1964. 127 p. (Nauchno-populiarnaia seriia)

WAR AND SOCIALISM

Elimination of wars and consolidation of eternal peace as the historic mission of communism. S.T.Shikin. Uch. zap kaf.obshchestv.nauk vuz g.Len ; Filos. no.5. 127-142 '64.

K.Marx and F.Engels on the problem of war and peace. D.P.Ageev. Uch.zap.kaf.obshchestv nauk vuz.g Len.; Filos. no 5:105-126 '64.

WAR CRIME TRIALS see subdivision under Germany, West

WAR IN LITERATURE

Andersone, Emma. [The red rifleman in Latvian literature, 1917 - 1940] Sarkanais strelnieks latviesu literatura 1917. - 1940. Riga, Latvijas PSR Zinatnu akad. izd-ba, 1963. 490 p. [In Latvian]

WAR MEMORIALS see subdivision under Leningrad

WARBLERS see subdivision under Krasnoyarsk Territory; Moscow region

WAREHOUSES

Establishing joint storehouses for the printing industry. S.Ostrinskii. Poligrafiia no.2:7-8 F '64.

WARSAW—BUILDING RESEARCH

Warsaw. Instytut techniki Budowlanej. [Brief account of the Institute of Construction Technology in Warsaw] Kratkie svedeniia. Warsaw, 1963. 60 p. chart (insert).

WARTS

Treatment of warts with liquid nitrogen. M.K. Karapetian, L.M. Rozentul. Vest.derm.i ven. 37 no.6:73-75 Je '63.

WASPS

"Revisional study of the masarid wasps (Hymenoptera, Vespoidea)" by O.W.Richards. Reviewed by V.Tobias. Ent.oboz 43 no 1:237-238 '64.

WASPS—EXTERMINATION

Wasps as apple pests. L.Z.Zakharov Zashch.rast.ot vred i bol. 8 no.10 42 O '63.

WATER

Experimental study of the specific volume of water from isochors close to the critical value. S.L.Rivkin, G.V. Troianovskaia, T.S Akhundov. Teplofiz.vys temp. 2 no.2 219-220 Mr-Ap '64.

How much water is there on earth? K.S.Losev. Priroda 53 no.6 33 '64.

Industrial method for determining water content of acetylene solvents. V.E.Stepanenko, S I.Krichmar. Khim.prom.[Ukr.] no 4:64-66 O-D '63

International skeleton tables of the thermodynamic properties of water and water vapor. Teploenergetika 11 no.4,84-87 Ap '64.

Mechanism of self-diffusion in water. IU V.Gurikov. Zhur.strukt.khim. 5 no.2:188-192 Mr-Ap '64.

Nuclear magnetic resonance of the protons of water adsorbed on montmorillonite IU.I.Tarasevich and others. Dokl.AN SSSR 156 no.4,926-928 Je '64.

Sixth International Conference on Properties of Water and Water Vapor. M.P.Vukalovich, V.V.Sychev. Teploenergetika 11 no.4:92-93 Ap '64.

Study of the diffusion movement of water molecules in solutions of paramagnetic ions by measuring proton resonance. K.Gunther, H Pfeifer Zhur.strukt.khim. 5 no.2:193-200 Mr-Ap '64.

Water regeneration in a spaceship cabin. IU.E.Siniak, S.V.Chikhov. Probl.kosm.biol. 3:104-112 '64.

WATER—ANALYSIS see subdivision under Azov, Sea of

WATER—COMPOSITION see subdivision under Dzheyran-Batan Reservoir; Ili District; Northern Donets-Donets Basin Canal

WATER—ELECTROLYSIS

Methods of manufacturing oxygen by water electrolysis under the conditions of weightlessness B G.Grishaenkov and others. Probl.kosm.biol. 3:396-400 '64.

WATER—LAWS AND LEGISLATION

Codification problem in the water laws of the U.S.S.R. and the Union Republics. O.S.Kolbasov. Sov.gos.i pravo 34 no.6:139-141 Je '64.

WATER—MICROBIOLOGY
(see also subdivision under Ladoga Lake region)

Biologically active substances in regulated bodies of water, their role in the formation of water quality and their hygienic significance. M.M Gasilina. Trudy Gidrobiol ob-va 14:228-233 '63

Epidemiological analysis of an outbreak of typhoid fever. G.A.Strelfukina. Zhur.mikrobiol.,epid.i immun. 40 no.6:28-33 Je '63.

New culture medium for studying the microflora of well water. S.S.Efendiev. Dokl.AN Azerb.SSR 19 no.10: 59-61 '63.

Potential capacity of water microflora for heterotrophic carbon dioxide assimilation and chemosynthesis [with summary in English]. V.I.Romanenko. Mikrobiologiia 32 no.4:668-674 Jl-Ag '63.

Significance of surface adsorption phenomena in the self-purification of bodies of water. S.M.Drachev, A.A Bylinkina, I N Sosunova. Trudy Gidrobiol. ob-va 14 66-73 '63.

Water- and food-borne outbreaks of typhoid and paratyphoid fevers, review of foreign literature for the past 15 years. IU.P.Solodovnikov. Zhur.mikrobiol., epid.i immun. 40 no.10:112-116 O '63.

WATER—POLLUTION
(see also subdivision under Neva Bay)

Experimental basis for the permissible concentrations of chloronitrosocyclohexane and dichlorocyclohexane in bodies of water. IA.I.Kostovetskii and others. San. okhr.vod.ot zagr.prom.stoch.vod no.5:94-106 '62

Experimental basis for the permissible concentration of chlorophenylchlorobenzene sulfonate in open bodies of water. S.IA.Naishtein and others. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:115-157 '62.

Experimental basis for the permissible concentration of chlorophos in bodies of water. M.N.Rubleva. San. okhr.vod.ot zagr.prom.stoch.vod no.5:128-141 '62.

Experimental basis for the permissible concentration of cyclohexanol in bodies of water. V.A.Savelova and others. San.okhr.vod.ot zagr.prom.stoch.vod. no.5: 78-93 '62.

Experimental basis for the permissible concentration of dichlorobutene in bodies of water. M.K.Khuchashvili. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:[illegible] '62.

Experimental basis for the permissible concentration of diethylphosphorodithioic acid and its potassium salt in bodies of water. L.N.Gabrilevskaia, V.P.Laskina. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:[illegible] '62.

Experimental basis for the permissible concentration of dimethyldioxane in bodies of water. N.V.Klimkina. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:[illegible] '62.

Experimental basis for the permissible concentration of dimethylphosphorodithioic acid in bodies of water. L.N. Gabrilevskaia, V.P.Laskina. San.okhr.vod.ot zagr. prom.stoch.vod no.5:197-200 '62.

Experimental basis for the permissible concentration of ethylbenzene in bodies of water K V.Zubritskii San.okhr.vod ot zagr.prom.stoch.vod. no 5 62-77 '62.

Experimental basis for the permissible concentration of the intermediate fraction of Chernikhovo tar in bodies of water. G.N.Krasovskii, S.A.Fridliand. San.okhr. vod.ot zagr.prom.stoch.vod no.5:269-284 '62.

Experimental basis for the permissible concentration of isoprene in bodies of water. N.V.Klimkina. San.okhr. vod.ot zagr.prom.stoch.vod no.5:[illegible] 43 '62.

Experimental basis for the permissible concentrations of medium- and high-molecular $C_5 - C_{20}$ fatty acids. N.V.Grin'. San.okhr.vod.ot zagr.prom.stoch.vod no.5:356-360 '62.

Experimental basis for the permissible concentration of methyl styrene in bodies of water. K.I.Akulov. San. okhr.vod.ot zagr.prom.stoch vod no.5:107-120 '62.

Experimental basis for the permissible concentration of monomethylamine in bodies of water. L.P.[illegible] San.okhr.vod.ot zagr.prom.stoch.vod no.5:[illegible] '62.

Experimental basis for standardizing the concentration of nitrocyclohexane in bodies of water. V.A.Savelova, B.V.Russkikh. San.okhr.vod.ot zagr.prom.stoch.vod no.5:349-355 '62.

Experimental basis for the permissible concentrations of OP-7 and OP-10 surface-active substances in bodies of water. O.E Geeva. San.okhr.vod.ot zagr.prom. stoch.vod no.5:233-251 '62.

Experimental basis for the permissible concentration of polychloropinene in bodies of water. G.N.Krasovskii, S.S.Spasskii. San.okhr.vod.ot zagr.prom.stoch.vod no.5:167-186 '62.

Experimental basis for the permissible concentration of the potassium salt of diisopropylphosphorodithioic acid. L.N.Gabrilevskaia, V.P.Laskina. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:219-232 '62.

Experimental basis for the permissible concentration of tetrachloroethane and hexachloroethane in bodies of water. V.N.Tugarinova and others. San.okhr.vod.ot zagr.prom.stoch.vod no.5:285-307 '62.

Experimental basis for the permissible concentration of the sodium salt of dichlorophenoxyacetic acid (2,4-D) in bodies of water. E.A.Mozhaev, P.I.Vertebnaia. San.okhr.vod.ot zagr.prom.stoch.vod no.5:[illegible]-166 '62.

Experimental basis for the permissible concentration of trichloroethylene in bodies of water. V.E.Miklashevskii and others. San.okhr.vod.ot zagr.prom.stoch. vod no.5:308-326 '62.

Experimental basis for the permissible concentration of vanadium in bodies of water. K.P.Seleniakina. San. okhr.vod.ot zagr.prom.stoch.vod. no.5:341-347 '62.

Experimental basis for the permissible concentration of willow oil in bodies of water. S.A.Fridliand, G.N Krasovskii. San.okhr.vod.ot zagr.prom.stoch.vod. no.5:252-268 '62.

Method of conditional reflexes as a test in sanitary-toxicological investigations. S.N.Cherkinskii, V N Tugarinova. San.okhr.vod.ot zagr.prom.stoch.vod no.5:396-408 '62.

Method of statistical treatment of the organoleptic data in setting up hygienic standards of harmful substances in bodies of water. G.N.Krasovskii. San.okhr.vod. ot zagr.prom.stoch.vod. no.5:384-398 '62.

[illegible]

[illegible]

[illegible]

WEED CONTROL
(see also subdivision under Kalinin Province, Pochinki region, Gorkiy Province, Rostov Province)

[illegible] G. P[illegible] Zashch.rast ot [illegible]

Measures for chemical control of the Acroptilon picris [illegible] Nura[illegible] [illegible] T FHA no 84:322-326 '63

WEED CONTROL—ECONOMIC ASPECTS

[illegible] of herbicides. G.S. [illegible] Zashch.rast ot vred i bol. [illegible] '63

WEED CONTROL—EQUIPMENT AND SUPPLIES

[illegible] for chemical weed control I. Voleis- [illegible] 24 [illegible] 57-59 My '64

[illegible] of fertilizers and herbicides [illegible] Tekh. sel'khoz 24 no 5 [illegible]

[illegible] in the elimination of weeds [illegible] 24 no 3 21-22 Mr '64.

WEED KILLERS see Herbicides

WEEDS see subdivision under Volga-Akhtuba Floodplain

WEEVILS
(see also subdivision under Iran; Transcaucasia)

Treating [illegible] seeds before sowing G.E Sobol'. Zashch. rast. [illegible] 9 no.2 27-28 '64

WEEVILS—EXTERMINATION

[illegible] of the domestic "Ar[illegible]" preparation in the control of sugar beet [illegible] L. P. Lebov, N O Efimov. [illegible] no 4:23-37 O-D '63

WEIGHT LIFTING

Distribution of [illegible] in lifting barbells S M Arutiunian Teor i prak fiz kul't 27 no 2 20-23 F '64

Training [illegible] in weight lifting and their use A. I. [illegible] Teor i prak fiz kul't 27 no 2 74-76 [illegible]

WEIGHTLESSNESS

Basic problems in studying weightlessness. V.I. [illegible], I I.Kas'ian, V.I.Kopanev. Probl kosm. biol 3 37-29 '64

Excitability of the vestibular analyzer in man under the conditions of short-term weightlessness. E.M.IUganov, A I Gorshkov Probl.kosm.biol 3 167-175 '64.

Human reactions in weightlessness. L.A.Kitaev-Smyk. Probl.kosm.biol. 3:159-166 '64.

Methods of manufacturing oxygen by water electrolysis under the conditions of weightlessness B.G.Grishaenkov and others. Probl.kosm.biol 3:396-400 '64.

Vestibular analyzer in animals and artificial gravity. E.M.IUganov, D.V Afanas'ev. Probl kosm.biol. 3: 176-183 '64

WEIGHTLESSNESS SIMULATORS

Behavior of liquids under conditions of weightlessness. V.B.Zenkevich. Teplofiz.vys.temp. 2 no.2 230-237 Mr-Ap '64.

WEIMAR, EAST GERMANY—INTELLECTUAL LIFE

'Ole Bienkopp' in Weimar Raisa Orlova, Lev.Kopelev. Nov vrem 21 no 22 26-29 My '64.

WELDING

Vavilov, A. F., and V. P. Voinov. [Friction welding] Svarka treniem. Moskva, Izd-vo "Mashinostroenie," 1964. 153 p.

WELDING—SAFETY MEASURES

Industrial safety and industrial hygiene in welding. M. Beterev Okhr.truda i sots.strakh. 7 no.6:36-44 Je '64

WELDING—TESTING

Properties of welded joints in AD31 and AD33 aluminum alloys. IU P.Arbuzov. Alium.splavy no.3:36-45 '64.

Properties of welded joints in the B92 aluminum alloys. IU.P Arbuzov. Alium.splavy no.3:80-91 '64.

WENDIC FOLKLORE see Folklore, Wendic

WEST GERMANY see Germany, West

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WHARVES see subdivision under Novorossiysk (Krasnodar Territory)

WHEAT
(see also subdivision under Ukraine)

Biological infestation of winter durum wheat with soft wheat A. A IUsupov Agrobiologiia no 2:216-225 Mr-Ap '64.

Change in the physical and mechanical characteristics of grain under hydrothermal processing. B. V. Senatorskii. Trudy VNIIZ no.47 43-70 '63.

Effect of fall and winter sowing on the change in branched wheat. A.I.Kul'bii. Pratsi Od.un.Zbir.stud.rob. 146 no.4:93-97 '56.

How to protect spring crops sown in fall against winter-killing. A.A.Avakian. Vest.sel'khoz.nauki 8 no.9: 138-140 S '63.

Resistance of soft wheat and barley to frost during late development stages R. A Udachin, M N. Toshcheva. Agrobiologiia no 2 301-303 Mr-Ap '64

R[illegible] proizvodstvu zerna sil'nykh i tverdykh pshenits. [Moskva] Izd-vo "Kolos," 1964. 63 p.
(DNAL)

Valuating the technological properties of wheat in the early stages of a breeding process D M Shcherbina Vest sel'khoz nauki 9 no 5 91-95 My '64

WHEAT—ANALYSIS

Some results of the qualitative inspection of wheat of the 1963 crop and the conduction of this work in 1964. V. Ivanov. Muk.-elev.prom. 30 no.6 25-27 Je '64.

WHEAT—DISEASES AND PESTS
(see also subdivision under Bulgaria)

Biology of the fly Phorbia securis Tiensuu, a wheat pest G. G. Anosov. Agrobiologiia no 2 303-305 Mr-Ap '64

WHEAT—FERTILIZERS AND MANURES
(see also subdivision under Bashkiria; Ukraine)

Results of experiments in studying the effect of fertilizers on wheat and green fallow crops in leached Chernozem soils. M.E.Pronin, I.A.Kaliazin. Khim.v sel'.khoz. 2 no.1:3-6 Ja '64

WHEAT—VARIETIES
(see also subdivision under Azerbaijan)

Effect of hydrothermal processing on the technological properties of the Lutescens wheat variety. N.Gorshkova. Muk.-elev.prom. 30 no.5:21-23 My '63.

WHEAT BREEDING

Free intervarietal crossing of wheat. V. P. Shurkin. Vest.sel'khoz.nauki 9 no.2:117-121 F '64.

Importance of pruning in the production of wheat seed. V.O.Gulkanian. Izv.AN Arm.SSR,Biol.nauki 15 no.5: 3-10 My '62.

Improving the yielding quality of winter wheat seeds by means of conditioning. V. F. Khitrinskii, A. A. Stankevich. Vest.sel'khoz.nauki 9 no.2 36-41 F '64.

Studying and making use of cystoplasmic male sterility in winter wheat. N. I. Savchenko, A. S. Lastovich. Agrobiologiia no.2.243-249 Mr-Ap '64.

WHEELS—TESTING

Effect of the tread thickness on the redistribution of the residual stresses occurred during the heat treatment of wheels for the railroad rolling stock. N. F. Denishenko, G. T. Litvinov. Trudy DIIT no.40:183-187 '62.

WHITE RUSSIA—AGRICULTURAL WAGES

In the All-Union Central Council of Trade Unions. Sov profsoiuzy 20 no 11:5 Je '64

WHITE RUSSIA—ATHEISM—STUDY AND TEACHING

Students should know the fundamentals of scientific atheism. M. A. Pashkevich. Sred.spets.obr. 11 no.5:44-45 My '64.

WHITE RUSSIA—BALLET

Smol'skii, B. S. [White Russian musical theater] Belorusskii muzykal'nyi teatr. Minsk, Izd-vo "Nauka i tekhnika," 1963. 245 p.

WHITE RUSSIA—BANKS AND BANKING

Bank control in operation. I. Piletskii, A. Rudenko. Den.i kred. 22 no.5:41-44 My '64.

WHITE RUSSIA—BIRDS

Birds of northern White Russia. Report No.2: Strigiformes, Cuculiformes, Caprimulgiformes, Coraciiformes, Upupiformes, Piciformes, Micropodiformes, Passeriformes. M.S.Dolbik, V.N.Duchyts, R.IU. Tarletskaia. Vestsi AN BSSR.Ser.biial.nav no.1: 107-120 '64

WHITE RUSSIA—BOLETACEAE

Agaricales of White Russia belonging to the family Boletaceae. H. I. Siarzhanina. Vestsi AN BSSR.Ser. biial.nav. no.1:121-132 '64.

WHITE RUSSIA—COLLECTIVE FARMS

Let's efficiently utilize each hectare, propagandist A. Kuz'menko's talk Agitator no 9 27-30 My '64.

WHITE RUSSIA—COLLECTIVE FARMS—INCOME DISTRIBUTION

Belorusskii nauchno-issledovatel'skii institut ekonomiki i organizatsii sel'skokhoziaistvennogo proizvodstva. [Basic and supplemental wages on collective farms] Osnovnaia i dopolnitel'naia oplata truda v kolkhozakh. Minsk, Izd-vo "Urozhai," 1964. 57 p.

WHITE RUSSIA—COMMERCE

Bank control in operation. I. Piletskii, A. Rudenko. Den.i kred. 22 no.5:41-44 My '64.

WHITE RUSSIA—CROPS AND CLIMATE

Shkliar, A. Kh. [Climate of White Russia and agriculture] Klimat Belorussii i sel'skoe khoziaistvo. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 421 p. maps (in pocket)
(NN)

WHITE RUSSIA—DESCRIPTION AND TRAVEL

[Tourist routes through White Russia] Turistskie marshruty po Belorussii. [By] V. A. Dement'ev i dr. Minsk, Izd-vo "Narodnaia asveta," 1964. 250 p.

WHITE RUSSIA—DRAINAGE

More on the norms of drainage and crop structure. S. G. Skoropanov. Vest.sel'khoz.nauki 9 no.2:27-30 F '64.

WHITE RUSSIA—ECONOMIC POLICY

Mazurov, K. T. [Increase the effectiveness of social production] Povyshat' effektivnost' obshchestvennogo proizvodstva. Minsk, Izd-vo "Belarus'," 1964. 23 p.

WHITE RUSSIA—FLAX—FERTILIZERS AND MANURES

Effect of potassium on some physiological processes in flax plants in meteorologically different years. L. L. Koshaleva. Vestsi AN BSSR.Ser.biial.nav. no.1 50-57 '64.

WHITE RUSSIA—GOITER

Greiman, A. A. [Surgical treatment and pathomorphology of goiter; clinical morphological data for the White Russian S. S. R.] Khirurgicheskoe lechenie i patomorfologiia zoba; kliniko-morfologicheskie materialy po Belorusskoi SSR. Minsk, Izd-vo "Belarus'," 1964. 134 p.
(DNLM)

WHITE RUSSIA—GRAIN—MILLING

Grain-milling industry in White Russia. I. Kiselev. Muk.-elev.prom. 30 no.5:8-9 My '63.

WHITE RUSSIA—HISTORICAL RESEARCH

Scholarly research of the Department of Modern and Recent History of the V. I. Lenin University of White Russia. D. Mel'tser. Nov.i noveish.ist. no 2 160-161 '64.

WHITE RUSSIA—MINES AND MINERAL RESOURCES

Levkov, E. A. [Mineral resources of White Russia] V nedrakh zemli Belorusskoi. Minsk, Izd-vo "Belarus'," 1964. 121 p.

WHITE RUSSIA—MITES

Scutovertex niger, a new representative of oribatid mites from White Russia (Scutoverticidae Grandjean, 1953) [with summary in English]. E. A. Moskacheva. Zool. zhur. 43 no.2:204-207 '64.

WHITE RUSSIA—OPERA

Smol'skii, B. S. [White Russian musical theater] Belorusskii muzykal'nyi teatr. Minsk, Izd-vo "Nauka i tekhnika," 1963. 245 p.

WHITE RUSSIA—POTATOES—FERTILIZERS AND MANURES

Carbohydrate metabolism in potato plants as related to the conditions of mineral nutrition. M. N. Hanchar yk, L. M. Mardykina, S. A. Kilail'skaia. Vestsi AN BSSR. Ser.biial.nav. no.1:58-64 '64.

WHITE RUSSIA—RETAIL TRADE—AUDITING AND INSPECTION

Power of control. M. Sokolova. Sov.torg. 36 no.6:31-32 Je '63.

WHITE RUSSIA—RODENTS—DISEASES AND PESTS

Some forms of specificity in Grahamia arvalis Tartakovsky, 1913, in White Russia. N. I. Dyl'ko. Vestsi AN BSSR.Ser.biial.nav. no.1:133-138 '64.

WHITE RUSSIA—SOCIALIST COMPETITION

Lokhmanenko, N. A. [Competition in socialist society; as shown by cases from White Russian industry] Sorevnovanie v sotsialisticheskom obshchestve; na primerakh promyshlennosti Belorussii. Minsk, Izd-vo "Vysshaia shkola," 1963. 149 p.

WHITE RUSSIA—SOWING

More on the norms of drainage and crop structure. S. G. Skoropanov. Vest.sel'khoz.nauki 9 no.3:27-30 F '64.

WHITE RUSSIA—SPRUCE

Types and associations of spruce forests in the northeastern part of the White Russian S.S.R. D. S. Holod. Vestsi AN BSSR.Ser.biial.nav. no.1:22-32 '64.

WHITE RUSSIA—STATISTICS

White Russia. Statisticheskoe upravlenie. [The White Russian S. S. R. in figures; a brief statistical abstract] Belorusskaia SSR v tsifrakh; kratkii statisticheskii sbornik. Minsk, Gosstatizdat, Belorusskoe otd-nie, 1963. 283 p.

WHITE RUSSIA—TRADE UNIONS

In the All-Union Central Council of Trade Unions. Sov profsoiuzy 20 no.11:5 Je '64.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

The design and equipment of the woodpulp, paper, and printing industry [Ref zhur Tekh i obor tsel -bum i poligr prom] no 6 Je '64

WOODPULP INDUSTRY—PRODUCTION STANDARDS see subdivision under Leningrad

WOODWORK

Using ultrasonics in wood gluing G. B Inozemtsev Bum i der prom no 1 20-23 Ja-Mr '64

WOODWORKERS see subdivision under Kiev

WOODWORKING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Woodworking industries

WOODWORKING INDUSTRIES—MANAGEMENT see subdivision under Moscow

WOODWORKING INDUSTRIES—RESEARCH see subdivision under Ukraine

WOODWORKING INDUSTRIES—SAFETY MEASURES

Nikitin, I. I., V. S Gateev, and G. I. Pentel'kov. [Labor protection in the woodworking industries, manual for foremen] Okhrana truda v derevoobrabatyvaiushchei promyshlennosti, posobie dlia masterov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 135 p.

WOODWORKING MACHINERY

Analyzing the power diagrams of slashing machines with considerable rotating masses N S. Drozdov Uch zap Petrozav gos un 11 no 2 23-27 '63

Effect of the blunting of a woodcutting instrument on the process of cutting T A Novovskii Der prom 13 no 5 12-14 My '64

Four-spindle woodmilling machine for the manufacture of chairs I V Slivsarchuk Bum i der prom no 1 15-16 Ja-Mr '64

The "GVS" woodworking machine. D I Kaufman, S. D. Feigel'man Biul tekh -ekon inform Gos nauch -issl inst nauch i tekh. inform. 17 no. 4.50-51 Ap '64

Machine for diamond sharpening of hard-alloy woodcutting instruments I P. Zakharenko, D A Sirota. Bum.i der.prom no. 1 56 Ja-Mr '64.

Machines for mechanized production of wooden containers. D. I. Kaufman, S. D. Feigel'man. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no. 4 47-50 Ap '64.

Milling machines with a bottom spindle. F. L. Fishkina. Der prom. 13 no. 6 16-17 Je '64.

Revolving pneumatic frames D L. Naumov. Bum. i der prom no 1 12-14 Ja-Mr '64

Semiautomatic machine for processing chair parts G A. Rotman Bum i der prom no 1 11-12 Ja-Mr '64

Semiautomatic polishing machine A V Polov'ian, A IA. Pavlotskii Bum i der prom no. 1.6-7 Ja-Mr '64

Vibration grinding apparatus. A. IU. Saf'ian, O I. Timchenko Bum i der.prom no. 1 50-52 Ja-Mr '64

WOODWORKING MACHINERY—MAINTENANCE AND REPAIR

Sharpening woodcutting instruments with diamond wheels. F. A. Shtyrev. Der.prom. 13 no. 6 28 Je '64.

WOODY PLANTS see subdivision under Soviet Central Asia, White Russia

WOOL

Effect of substances containing sulfur on the growth and technological properties of wool S I Bugaienko O I. Kruk Nauk pratsi Zootekh fak Kam '-Pod sil'hosp inst 16-20 '63

Kuznetsov, B. A., ed. [Manual on the purchasing of wool, peltry, fur and leather raw materials] Spravochnik po zakupkam sherstl, pushiny, mekhovogo i kozhevennogo syr'ia. Moskva, 1964. 150 p.

WOOL—DISINFECTION

Gamma rays in wool disinfection V I Riakhovskii Trud. AZVI 12 299-302 '61

WOOL INDUSTRY—HYGIENIC ASPECTS

Clinicoepidemiological characteristics of sheep and goat brucellosis in factory workers engaged in the primary processing of wool. L. V. IArovoi, N. A. Rybasov, D. L. Shafershtein Sov. med. 27 no. 10 52-58 O '63.

WORK

Main condition for the making of communist labor. N. Koroleva. Sots. trud 9 no. 6:122-125 Je '64.

WORK MEASUREMENT

"Work factor time standards measurement," a system of breaking down norms into minute elements. Sots. trud 9 no. 5:99 My '64.

WORK-SONGS

Studies of labor folklore R. R. Gel'gardt. Rus. fol'k. 8 215-228 '63

WORKS COUNCILS

(see also subdivision under Minsk; Ukraine)

Letters from trade-union committees and production administrations. Sov. profsoiuzy 20 no. 9:5 My '64.

The regular workshop production conferences. I. El'perin. Sov. profsoiuzy 20 no. 12:17-18 Je '64

Volunteers took over the control. A. Belyi. Sov. profsoiuzy 20 no. 12:18-20 Je '64.

WORLD FEDERATION OF TRADE UNIONS

Decisions of the Executive Committee of the W. F. T. U. Vsem. prof. dvizh. no. 5 27 My '64.

Only unity can guarantee the victory of the working class. L. Saillant. Vsem. prof. dvizh. no. 5 8-9 My '64.

A powerful demonstration of the solidarity of the working class with the people of South Africa. Ibrahim Zakaria. Vsem. prof. dvizh. no. 5 20-22 My '64.

Raise higher the banner of the W. F. T. U. L. Saillant. Vsem. prof. dvizh. no. 5 9-10 My '64.

WORLD FEDERATION OF TRADE UNIONS—CONGRESSES

For the national and international unity of trade-union actions. Vsem. prof. dvizh. no. 5:3-7 My '64.

WORLD POLITICS

Akademiia nauk SSSR. Otdelenie istorii. [International relations, policy, diplomacy, from the 16th to the 20th century; papers dedicated to I. M. Maiskii on his 80th birthday] Mezhdunarodnye otnosheniia, politika, diplomatiia, XVI-XX veka; sbornik statei k 80-letiiu akademika I. M. Maiskogo. Moskva, Izd-vo "Nauka," 1964. 557 p.

Angel with a club. J. Z. Nov. vrem. 21 no. 24:20 Je '64.

International notes Nov vrem 21 no 13 22-21 Mr '64

International notes. Nov vrem 21 no 22:24-25 My '64

International notes. Nov vrem 21 no. 23 24-25 Je '64

International notes. Nov. vrem. 21 no. 24:21-23 Je '64.

Khrushchev, N. S. [For the victory of reason over the forces of war!] K pobede razuma nad silami voiny! Moskva, Politizdat, 1964. 431 p.

Kniazhinskii, V. B. [Western Europe and the problem of peaceful coexistence] Zapadnaia Evropa i problema mirnogo sosushchestvovaniia. Moskva, Sotsekgiz, 1963. 285 p.

Methodological advice. Mezhdunar. zhizn' 11 no. 6:153-155 Je '64.

Nonalignment, peace and economic development IU. Nasenko. Mezhdunar. zhizn' 11 no. 6 131-134 Je '64.

Peace and peaceful coexistence. N. S Khrushchev. Mezhdunar. zhizn' 11 no. 6 3-9 Je '64.

Pechorkin, V. K. [Peace is the principal thing; problems of war and peace in our day] Mir - glavnoe; problemy voiny i mira v sovremennuiu epokhu. Moskva Izd-vo "Nauka," 1964. 127 p. (Nauchno-populiarnaia seriia)

Sanakoev, Sh. P. [Great commonwealth of free and sovereign peoples] Velikoe sodruzhestvo svobodnykh i suverennykh narodov. Moskva, Izd-vo "Nauka," 1964. 180 p. (Nauchno-populiarnaia seriia)

A session of the Academic Council on the history of the foreign relations of the U. S. S. R. and international relations. K. I. Kleimenova. Nov. i noveish. ist. no. 2. 183-186 '64.

World events Nov vrem 21 no. 13:32 Mr '64.

World events Nov vrem 21 no 22:32 My '64.

World events Nov vrem 21 no. 23 32 Je '64.

World events. Nov. vrem. 21 no. 24:32 Je '64.

WORLD POLITICS—HISTORIOGRAPHY

The present state of the studies of Soviet foreign policy and international relations in the contemporary epoch. V. M. Khvostov. Nov. i noveish. ist. no. 2:3-11 '64.

WORLD WAR, 1939-1945

(see also subdivision under Balkan Peninsula; Baltic Sea region; Crete; Crimea; Donets Basin; Egypt; France; Great Britain; Hungary; Kherson Province; Kiev; Kurow, Poland; Lithuania; Minsk; Moigilev Province; Nagylok, Hungary; Odessa, Poland; Transbaikalia; Ukraine; Ukraine, Western; White Russia; Yugoslavia)

Great exploit of the Soviet people. P. Kurochkin. Komm. Vooruzh. Sil 4 no. 8:8-15 Ap '64.

Heroes of the past war. P. Derevianko. Voen.-ist. zhur. 6 no. 5.84-90 My '64.

In the combat files of the 13th Army. M. Kozlov. Voen.-ist. zhur. 6 no. 5:53-61 My '64.

Mighty arsenal of victory. V. Petrukhin. Voen. znan. 40 no. 4 12-13 Ap '64.

Preserve and increase combat glory. Voen. vest. 43 no. 5:3-5 My '64.

Shelepov, B. F. [Cossacks go out on a raid; sketches] Kazaki ukhodiat v reid; ocherki. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 112 p. (MH)

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Nikolai Gastello's five fighting days. N. Andreev. Kryl. rod. 15 no. 6:5 Je '64.

[Soviet pilots in battles for the homeland] Sovetskie letchiki v boiakh za Rodinu. Moskva, Izd-vo DOSAAF, 1963. 195 p.

Verkhozin, A. M. [Airplanes fly to the partisans; notes of a chief of staff] Samolety letiat k partizanam; zapiski nachal'nika shtaba. Moskva, Politizdat, 1964. 205 p.

WORLD WAR, 1939-1945—BIOGRAPHY

Komskii, B. G. [A lucky wind] Schastlivyi veter. Moskva, Voenizdat, 1964. 83 p. (Biblioteka soldata i matrosa)

Trembach, I. S. [On the road of exploits; sketches] Dorogoi podvigov; ocherki. Elista, Kalmgosizdat, 1963. 183 p.

WORLD WAR, 1939-1945—CAMPAIGNS

The "Rankin" plan. V. Kulish. Voen.-ist. zhur. 6 no. 5 97-104 My '64.

Reconnaissance scouts in the rear of the enemy V. Iliev. Voen. vest. 43 no. 5.12-14 My '64.

Search for a correct decision. S. Biriuzov. Voen.-ist. zhur 5 no. 5:60-77 My '63.

WORLD WAR, 1939-1945—CAMPAIGNS—NORMANDY

Editorial comment. Nov. vrem. 21 no. 24:1-3, 13 Je '64.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Novruzov, T. A. [Labor exploits of the collective farm peasantry of Azerbaijan during the Great Patriotic War, 1941-1945] Trudovye podvigi kolkhoznogo krest'ianstva Azerbaidzhana v period Velikoi Otechestvennoi voiny (1941-1945 gg.) Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 101 p.

"Soviet peasantry during the years of the Great Patriotic War" by IU. V. Arutiunian. Reviewed by V. M. Selunskaia Vop. ist. 39 no. 6:138-141 Je '64

WORLD WAR, 1939-1945—FOOD QUESTION

Cherniavskii, U. G. [War and food; supplying the city population with food during the Great Patriotic War, 1941-1945] Voina i prodovol'stvie; snabzhenie gorodskogo naseleniia v Velikuiu Otechestvennuiu voinu (1941-1945 gg.) Moskva, Izd-vo "Nauka," 1964. 207 p.

WORLD WAR, 1939-1945—KALMYK PARTICIPATION

Trembach, I. S. [On the road of exploits; sketches] Dorogoi podvigov; ocherki. Elista, Kalmgosizdat, 1963. 183 p.

WORLD WAR, 1939-1945—MECHANIZATION, MILITARY

Meeting engagements of tank and mechanized corps in the Great Patriotic War. I. Kravchenko. Voen.-ist. zhur. 5 no. 5:24-35 My '63

WORLD WAR, 1939-1945—NAVAL OPERATIONS

Danube flotilla in the Great Patriotic War. V. Achkasov. Voen.-ist. zhur. 5 no. 5 104-108 My '63.

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

Heroes of a war, heroes of a book. A. Krylov. Voen. znan. 40 no. 4:47 Ap '64.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Galaidin, Evgenii. [Shot down over Tilsit; a documentary tale] Sbit nad Til'zitom; dokumental'naia povest'. Minsk, Gos. izd-vo BSSR, 1963. 157 p.

Heroic spirit of an individual example. V. Komissarov Komm. Vooruzh. Sil 4 no. 9 66-70 My '64.

In a company of the courageous. G. Shatunov. Komm. Vooruzh. Sil 4 no. 9:71-73 My '64.

Instructive memoirs. G. Khoroshilov. Voen.-ist. zhur. 6 no. 5:91-93 My '64.

Prusakov, V. V. [Diaries of trying years] Dnevniki surovykh let. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 77 p.

And so it began; notes of the war years. Vsevolod Kochetov. Oktiabr' 40 no. 1:75-120 Ja '64

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN

An unknown page of the underground struggle of the Armenian war prisoners. M N. Akopian. Izv. AN Arm. SSR. Obshchestv. nauki no. 4.31-48 Ap '64.

WORLD WAR, 1939-1945—TANK WARFARE

Meeting engagements of tank and mechanized corps in the Great Patriotic War. I. Kravchenko. Voen.-ist. zhur. 5 no. 5:24-35 My '63.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"Behind enemy lines; battle history of the guerrilla unit led by A. N. Saburov, Hero of the Soviet Union" by Z. A. Bohatyr'. Reviewed by I. I. Slyn'ko. Ukr. ist. zhur. 8 no. 2:139-141 Mr-Ap '64.

Verkhozin, A. M. [Airplanes fly to the partisans; notes of a chief of staff] Samolety letiat k partizanam; zapiski nachal'nika shtaba. Moskva, Politizdat, 1964. 205 p.

WORLD WAR, 1939-1945—WOMEN'S WORK

[...She fought for her country; letters and documents of heroines of the Great Patriotic War] ...Srazhalas' za rodinu; pis'ma i dokumenty geroin' Velikoi Otechestvennoi voiny. Moskva, Izd-vo "Mysl'," 1964. 306 p

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

X RAYS—PHYSIOLOGICAL EFFECT (Continued)

[illegible] system of [illegible] of ionizing radiation. [illegible] Izv. AN Gruz SSR [illegible]

[illegible] cultures of rat fibroblasts Re- [illegible] radiation in [illegible] Sbor rab Inst. [illegible]

[illegible] cultures of rat fibroblasts Re- [illegible] ionizing radiation in [illegible] Sbor rab Inst. [illegible]

[illegible] of the interaction between [illegible] culture cells S.A [illegible] Vop. radiobiol. [AN Arm SSR] [illegible]

[illegible] of vaccine virus in X-ray [illegible] tissue culture. L. A. [illegible] Vartevanian, E L. Shakhnazarian [illegible] [AN Arm SSR] 3/4 59-64 '63

[illegible] of the phage T_1 in X-ray [illegible] cells of Escherichia coli B. R. A. Ter-Pogosian, A. T. Ter-Avetisian. Vop. radiobiol. [AN Arm. SSR] 3/4 71-7[illegible]

[illegible] X-ray irradiated and infected by the vaccine virus tissue culture by the method of fluorescence [illegible] L. A. Karalian, R. A. Ter-Pogosian. Vop. radiobiol. [AN Arm SSR] 3/4 65-69 '63

[illegible] of mice exposed to the action of X rays to [illegible] of tick-borne encephalitis. O. P. Peterson, [illegible] Ilvchenko(?). Vop. med. virus. [illegible] 73-77 [illegible]

X RAYS—SCATTERING

[illegible] variation of Bragg's reflexes at the Curie [illegible] triglycine selenate. N. N. Sirota, V. M. Vart-[illegible] A. [illegible] Dokl. AN BSSR 8 no. 4 220-223 Ap '64

X RAYS—THERAPEUTIC USE

[illegible] of the use of X-ray therapy in acute leukemia. [illegible] Vest. rent. i rad. 38 no. 6 65 N-D '63.

X-ray therapy of furuncles and carbuncles in persons working in dust [illegible] P. N. Kr[illegible] Vest. rent. i rad. 38 no. 6 65-66 N-D '63.

XANTHENE

[illegible] discoloration of solid layers of xanthene dyes [illegible] vapors. A. T. Vartanian. Zhur. fiz. khim. [illegible] no. 9:1690-[illegible] S '62

XANTHIC ACIDS

Effect of iron salts on the adsorption of xanthates with sulfides L. A. Hlazunov, O. A. Ratnykova. Izv. AN Uz. SSR Ser. tekh. nauk 8 no. 1 81-84 '64.

XENON—ABSORPTION SPECTRA

Fine structure of X-ray M-absorption edges of krypton and N-absorption edges of xenon. A. P. Lukirskii, T. M. Zimkina, I. A. Brytov Izv. AN SSSR, Ser. fiz. 28 no. 5 772-775 My '64

XEROPHYTES—DISEASES AND PESTS see subdivision under Margab Valley

XYLENE

Some regularities of the liquid phase oxidation of p-xylene K A. Chervinskii, A M Ivanov, L A. Nikitina. Khim. prom. no 10:742-743 O '63.

YAKHROMA VALLEY—DRAINAGE

Physical characteristics of drained soils in the Yakhroma River Valley. K N Shishkov, L. L. Shishov. Dokl. TSKHA no 84:132-139 '63

YAKHROMA VALLEY—PHYSICS

Physical characteristics of drained soils in the Yakhroma River Valley K N. Shishkov, L. L. Shishov. Dokl TSKHA no 84:132-139 '63.

YAKUTIA—BIRDS

Zoogeographical characteristics of the ornithofauna of Yakutia K A Vorob'ev Ornitologiia no. 6 49-57 '63

YAKUTIA—DAMS

Lyskanov, G.A. [Experience in building a dam of the frozen type in Yakutia] Opyt stroitel'stva plotiny merzlovo tipa v IAkutii. IAkutsk, IAkutskoe knizhnoe izd-vo, 1964 69 p.

YAKUTIA—HISTORY

Petrov, P. U. [Revolutionary activities of the Bolsheviks during their exile in Yakutia] Revoliutsionnaia deiatel'nost' bol'shevikov v IAkutskoi ssylke. Moskva, Politizdat, 1964. 78 p

YAKUTIA—MAMMALS

Akademiia nauk SSSR. IAkutskii filial, YAkutsk. Institut biologii. [Studies on the ecology, dynamics of abundance and diseases of mammals of Yakutia] Issledovaniia po ekologii, dinamike chislennosti i bolezniam mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 265 p.

YAKUTIA—MERCURY ORES

Mercury mineralization in northeastern Yakutia. I. IA. Nekrasov Sov. geol 7 no. 1,95-104 Ja '64.

YAKUTIA—PARASITES—FUR-BEARING ANIMALS

Gubanov, N.M. [Helminths of commercial mammals of Yakutia] Gel'mintofauna promyslovykh mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 162 p.

YAKUTIA—TULAREMIA

Epidemiology and measures for tularemia control in the Yakut A.S.S.R. D. I. Brikman. Zhur. mikrobiol., epid. i immun. 40 no. 5 60-64 My '63.

YAKUTIA—WORMS, INTESTINAL AND PARASITIC

Gubanov, N. M. [Helminths of commercial mammals of Yakutia] Gel'mintofauna promyslovykh mlekopitaiushchikh IAkutii. Moskva, Izd-vo "Nauka," 1964. 162 p.

YARN

(see also subdivision under Germany, East; United States)

Designing for strength of yarn blends from cotton and synthetic staple fibers and evaluating their performance. A. N. Vanchikov. Tekst. prom. 24 no. 4 25-30 Ap '64.

Device of the IPK-3 make for the abrasion testing of rope yarn S G. Barkov, V B Ol'shina. Nauch -issl. trudy TSNIILV 18 190-198 '62

Specification of the technology for yarn preparation from a blend of combed flax and capron staple fibers and of their optimum ratio providing for a maximum improvement of the quality of fabrics for protective clothing. I I Dukovskaia and others Nauch -issl trudy TSNIILV 18 75-106 '62

YARN—CLASSIFICATION

Response to the article "Classification of textile yarns with a modified structure," K. N. Maslennikov, R. A. Makhova Tekst. prom. 24 no. 4,77-78 Ap '64.

IAROSLAVL—RUBBER INDUSTRY

Technical achievements of workers R Lepeshenkova. NTO 5 no 9 51-53 S '63

YAROSLAVL—VIEWS

[Yaroslavl'; along the streets and squares of the city] IAroslavl', po ulitsam i ploshchadiam goroda. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. [29] p. (chiefly illus.)
(MH)

YEAST

Formation of aldehydes and higher alcohols by the yeasts Saccharomyces vini, Sacch. carlsbergenesis and Sacch. cerevisiae in the presence of sulfites in the fermentated medium [with summary in English] I. IA. Veselov, A. G. Kann, I. M. Gracheva. Mikrobiologiia 32 no. 4: 610-615 Jl-Ag '63.

Use of corn extract in the yeast industry. O. S. Bakushinskaia. Khleb. i kond. prom. 7 no. 12,3-4 D '63.

YENISEY GOVERNMENT—PUBLIC HEALTH, RURAL

Rural public health service in Yenisey Government on the eve of the Great October Socialist Revolution. G. I. Rozet, I. P. Kushner. Trudy Perm. gos. med. inst. 43:279-283 '63.

YENISEY RANGE REGION—FROZEN GROUND

Forecasting a change in the freezing conditions of dragging areas in the northern Yenisey Range region effected by thermal and water-thermal melioration. L. S Garagulia, V. P. Cherniad'ev. Merzl. issl. no 3: 56-62 '63

Using geophysical methods for surveying frozen ground dragging areas in the northern Yenisey Range region. L. S. Garagulia, N. I. Trush, A. N Bogoliubov Merzl. issl. no. 3:44-55 '63.

YENISEY VALLEY—DIATOMS

Distribution of diatoms in the alluvial sediments of the Yenisey and Lena Valleys. Z. V. Aleshinskaia, L. G. Pirumova. Merzl issl. no. 3:172-182 '63.

YENISEY VALLEY—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the botanical composition and yield of floodland meadows of the Yenisey River [with summaries in English, German, and French]. A. D. Belorussova. Vest. sel'khoz. nauki 8 no. 9:52-53 S '63.

YENISEY VALLEY—RUSSIANS

Aleksandrov, V. A. [Russian population of Siberia from the 17th to the early 18th century; Yenisey region] Russkoe naselenie Sibiri XVII-nachala XVIII v. (Eniseiskii krai). Moskva, Izd-vo "Nauka," 1964. 302 p. (Akademiia nauk SSSR. Institut etnografii. Trudy, no. 87)

YEREVAN see Erivan

YESIL' DISTRICT—RURAL PLANNING

Planning for virgin rural areas. M. A. Gendel'man, M. D. Spektor, E. D. Tikhomirova. Vest. sel'khoz. nauki [Kazakh.] 7 no. 4:3-13 Ap '64.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH see subdivision under Clacton, Great Britain; Czechoslovakia; Ukraine

YOUTH—EMPLOYMENT

The adolescent in production. V. Korotkov. Sov. profsoiuzy 20 no. 9:42-44 My '64.

YOUTH—SOCIETIES, ETC. see subdivision under Europe, Eastern

YTTRIUM ISOTOPES

Separation of strontium-90 and yttrium-90 with the aid of gelatin foam. V. V. Pushkarev, V. F. Bagretsov, V. P. Puzako. Radiokhimiia 6 no. 1:120-121 '64.

YUGOSLAVIA—ANATOMICAL SOCIETIES

Sixth Congress of the Anatomical Society of Yugoslavia S. Zivanovic. Arkh. anat., gist. i embr. 44 no. 5:120 My '63.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. lit. po IUg. no. 2 '64.

YUGOSLAVIA—CONSTITUTIONAL LAW

Deleon, A. [The Yugoslav Constitution; what does it guarantee and to what does it commit. Translated from the Serbian] IUgoslavskaia Konstitutsiia - chto obespechivaet k chemu obiazyvaet. Belgrade, Izd. red. zhurnala "IUgoslavskie profsoiuzy," 1963. 80 p.

YUGOSLAVIA—EUROPEAN WAR, 1914-1918—REGIMENTAL HISTORIES

Cooperation in fight. I. D. Ochak. Nov. i noveish. ist. no. 1:167-169 '64.

YUGOSLAVIA—HISTORY

"The history of Yugoslavia in two volumes." Reviewed by V. A. Zhebokritskii, A. F. Kizchenko. Nov. i noveish. ist. no. 1:132-137 '64.

YUGOSLAVIA—WORLD WAR, 1939-1945

History of a heroic struggle. I. P. Semin. Nov. i noveish. ist. no. 1:158-159 '64.

National holiday of the peoples of Yugoslavia. V. K. Volkov. Nov. i noveish. ist. no. 1:167-169 '64.

ZAILIYSKIY ALATAU see Trans-Ili Alatau

ZAKATALY (AZERBAIJAN)—STATE FARMS—OFFICIALS AND EMPLOYEES

Replies to our readers. Sov. profsoiuzy 20 no. 9, 15 My '64.

ZAKATALY REGION (AZERBAIJAN)—MOSSES

Vertical distribution of mosses in the Nukha-Zakataly area. L. B. Liubarskaia. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 1:15-23 '64.

ZAN LANGUAGE—FOREIGN WORDS AND PHRASES—RUSSIAN

Phonetic modifications of some loanwords in the Megrelian language G. N. Kachalava Soob. AN Gruz. SSR 30 no. 3:379-383 Mr '63.

ZAPOROZH'YE—CLERKS (RETAIL TRADE)

In order to avoid repeating errors. V. Marishchuk. Sov. torg. 36 no. 6:34 Je '63.

ZAPOROZH'YE—PHARMACEUTICAL SOCIETIES

Meeting of the Society. S. S. Liashenko. Farmatsev. zhur. 15 no. 4:86-87 '60.

ZAPOROZH'YE—SEPARATORS (MACHINES)—MAINTENANCE AND REPAIR

Repair of cyclone banks at the Zaporozhstal' sintering plant. D. P. Prityklin. Obog. rud. 8 no. 4:42-43 '63.

ZAPOROZH'YE PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Specialization in repair workshops. G. IAroslavtsev. Tekh. v sel'khoz. 24 no. 3:72-73 Mr '64.

ZAPOROZH'YE PROVINCE—FRUIT CULTURE

Promoters of the protection of orchards. M. F. Sidorenko. Zashch. rast. ot vred. i bol. 9 no. 5:3-5 '64.

ZAPOROZH'YE PROVINCE—TRADE UNIONS

A purposive and businesslike attitude is the main thing. A. Trutnev. Sov. profsoiuzy 20 no. 12:4-5 Je '64.

ZAPOROZH'YE PROVINCE—PLANTS, PROTECTION OF

Promoters of the protection of orchards. M. F. Sidorenko. Zashch. rast. ot vred. i bol. 9 no. 5:3-5 '64.

ZAPOROZH'YE PROVINCE—SEEDS—DISINFECTION

Mechanizing the thermal disinfection of seeds. M. I. Trachenko, I. M. Tukalevskii. Zashch. rast. ot vred. i bol. 9 no. 2:30-31 '64.

ZASTAVNA REGION (CHERNOVTSY PROVINCE)—QUARTZ

Granulometric composition of quartz sands in the Orutskoye deposit. V. N. Morozov. Uch. zap. Chern. un. 24. Ser. geol. nauk no. 2:90-121 '60.

[illegible]

[illegible]

[illegible]

Monthly Index *of* Russian Accessions

Volume 17, No. 7

October 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index.* In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Single copy prices vary; subscription price, $14.00 a year domestic, $5.00 a year additional for foreign mailing.

L. C. card, 48-46562

---

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzTeS	Arizona State College, Tempe
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMtHL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt-H	The Hoover Institution on War, Revolution, and Peace
CSt-L	Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CSmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU-A	University of California, Davis
CU-B	Bancroft Library, Berkeley
CU-E	East Asiatic Library, Berkeley
CU-M	Medical Center, San Francisco
CU-Riv	College of Arts, Letters and Science, Riverside
CU-S	Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaNBFU	University of New Brunswick, Fredericton, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOCC	Carleton College, Ottawa, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, [illegible] Dept. of [illegible] Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto, Canada (Integrated with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY-L	Law Library
CtY-M	Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI-GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN-HO	— Naval Oceanographic Office Library
DN-Ob	Naval Observatory Library
DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI-AO	— — Astrophysical Laboratory Library
DSI-E	— Bureau of American Ethnology Library
DSI-M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
HU	University of Hawaii, Honolulu
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicago
ICF	Chicago Natural History Museum, Chicago
ICJ	John Crerar Library, Chicago
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago

ICU-Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN-M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana
IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IaU-L	—College of Law Library
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MShM	Mount Holyoke College, South Hadley, Mass.
MWalB	Brandeis University, Waltham, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBJ-W	—William H. Welch Medical Library
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-A	— Department of Agriculture Library, St. Paul
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NAurW	Wells College, Aurora, New York
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York

NNU-H	University Heights Library
NNU-W	Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N.Y.
NRE	Eastman Kodak Company, Rochester, N.Y.
NRU	University of Rochester, Rochester, N.Y.
NSyU	Syracuse University, Syracuse, N.Y.
NUpB	U.S. Brookhaven National Laboratory, Upton, N.Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N.Y.
NbU	University of Nebraska, Lincoln
NcD	Duke University, Durham, N.C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NcU-H	Division of Health Affairs, North Carolina Memorial Hospital
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N.H.
NjI	Irvington Free Public Library, Irvington, N.J.
NjMuA	Air Reduction Company, Inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N.J.
NjN	Newark Public Library, Newark, N.J.
NjP	Princeton University, Princeton, N.J.
NjPT	Princeton Theological Seminary, Princeton, N.J.
NjR	Rutgers University, New Brunswick, N.J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPB	Philadelphia Bibliographical Center and Union Library Catalogue
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPULC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	Botany Zoology Library
PU-EE	Moore School of Electrical Engineering Library
PU-FA	School of Fine Arts Library
PU-Math	Mathematics Physics Library
PU-Mu	University Museum Library
PU-Penn	Penniman Library of Education
PU-Sc	Towne Scientific School Library
RPB	Brown University, Providence, R.I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
UPB	Brigham Young University, Provo, Utah
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown
WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 17, NO. 7 OCTOBER 1964

TABLE OF CONTENTS

Part A—Monographic Works

Page
1. General 2451
2. Bibliography 2451
3. Philosophy & Religion 2451
4. *History* 2452
5. Social Sciences 2454
6. Political Science 2457
7. Law 2458
8. Education 2459
9. Music, Theater & Motion Pictures 2459
10. Fine Arts 2460
11. Language, Literature & Folklore 2461
12. *Geography & Geology* 2468
13. Science 2469
14. Medicine 2471
15. Agriculture 2473
16. Technology 2475
17. Military & Naval Sciences 2487

Part B—Periodicals

1. General

    a. Scholarly journals 2488
    b. Popular magazines 2492

2. Bibliography

    a. Bibliography 2493
    b. Libraries & library science 2494
    c. Printing & the book trade 2494

3. Philosophy & Religion

    a. Philosophy 2494
    b. Religion 2494

4. History

    a. General 2494
    b. Archaeology & antiquities 2495

5. Social Sciences

    a. Commerce 2495
    b. Economics 2496
    c. Finance 2497
    d. Labor 2497
    e. Sociology 2497
6. Political Science 2498
7. Law 2500

8. Education

    a. General 2500
    b. Physical education & games 2502

9. Music, Theater & Motion Pictures Page
a. Motion pictures 2501
b. Music 2501
c. Theater 2501
10. Fine Art
a. General 2501
b. Architecture 2501
11. Language, Literature & Folklore
a. Language 2501
b. Literature & folklore 2501
12. Geography & Geology
a. [illegible]
b. Geography 2502
c. Geology & paleontology 2503
13. Science
a. General 2504
b. Astronomy 2505
c. Biology 2505
d. Chemistry [illegible]
e. Mathematics [illegible]
f. Physics [illegible]
14. Medicine
a. General [illegible]
b. Gynecology, obstetrics & pediatrics
c. Neurology & psychiatry 2507
d. Ophthalmology & otorhinolaryngology
e. Pathology & therapeutics 2508
f. Pharmacology & toxicology 2508
g. Public health & sanitation 2509
h. Surgery & dentistry 2509
i. Venereology & dermatology
15. Agriculture
a. General 2510
b. Animal husbandry 2511
c. Forestry 2511
d. Plant culture 2511
16. Technology
a. General
b. Aeronautics
c. Chemical technology
d. Civil & construction engineering
e. Electrical engineering
f. Industries & trades
g. Mechanical engineering
h. Mining & metallurgy
17. Military & Naval Science
a. Military science
b. Naval science
Part C—List of Periodicals Indexed and Abbreviations Used
Subject Index to Monographs and Periodicals

Periodicals Available in English Translation Cover-to-Cover.

PART A—MONOGRAPHIC WORKS

1. GENERAL

ARIFOV, U. A. [Development of science in Soviet Uzbekistan] Razvitie nauki v sovetskom Uzbekistane. Tashkent, Gos. Izd-vo Uzbekskoi SSR, 1964. 51 p.

2. BIBLIOGRAPHY

[AN AID FOR CHILDREN'S AND SCHOOL LIBRARIES IN 1964; a collection of methodological and bibliographical materials] V pomoshch' detskim i shkol'nym bibliotekam 1964 god; sbornik metodicheskikh i bibliograficheskikh materialov. Moskva, Izd-vo "Kniga," 1964. 64 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. [Bibliography of the publications of the Academy of Sciences of the Kirghiz S. S. R., 1960-1961] Bibliografiia izdanii Akademii nauk Kirgizskoi SSR, 1960-1961. Sostaviteli: L. M. Erman, M. M. Bazhenova i E. G. Eshimbekova. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 213 p.

AKADEMIIA NAUK SSSR. Institut Latinskoi Ameriki. [Latin America in the Soviet press; bibliography of books and articles in the Russian language on contemporary political conditions, history, economics and culture of Latin American countries, 1946-1962] Latinskaia Amerika v sovetskoi pechati; bibliografiia knig i zhurnal'nykh statei na russkom iazyke o sovremennom politicheskom polozhenii, istorii, ekonomike i kul'ture stran Latinskoi Ameriki, 1946-1962 gg. Moskva, 1964. 131 p.

AKADEMIIA NAUK SSSR. Laboratoriia konservatsii i restavratsii dokumentov. [Problem of durability of documents and paper] Problema dolgovechnosti dokumentov i bumagi. Moskva, Izd-vo "Nauka," 1964. 124 p.

EIDEL'NANT, I. B. [Automation of typesetting and the printer's corrections; a survey] Avtomatizatsiia nabora i izdatel'skaia korrektura; obzor. Moskva, Vses. nauchno-issl. in-t poligraficheskoi promyshlennosti, 1963. 53 p. (Informatsionnye materialy)

GOL'DGAMER, G. I. [Organization and planning of work connected with information service] Organizatsiia i planirovanie rabot sluzhb informatsii. Moskva, Ekonomika, 1964. 194 p.

GRIAZNUKHINA, T. A., L. E. PSHENICHNAIA, and E. F. SKOROKHOD'KO. [Information retrieval system, one method for machine literature searching] Sistema informatsionnogo poiska, ob odnom sposobe mashinnogo poiska literatury. Kiev, Izd-vo "Naukova dumka," 1964. 83 p. (Seriia po novoi tekhnike)

IVAN FEDOROV, Printer, d. 1583. [Grammar] Gramatyka. Kyiv, Vyd-vo "Dnipro," 1964. 1 v.

KIROV. KIRO[illegible] GERTSEN[illegible] guidebook] [illegible] Gertsena, [illegible] knizhnoe [illegible]
(MH)

KRASNODAR. [illegible] TEKA. [Boo[illegible] second half o[illegible] 1962 god (vto[illegible] tel'. Krasnodar, [illegible]

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Library and bibliographic classification, tables for scientific libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek. Moskva, Izd-vo "Kniga,"
Nos. 7-11. [Zh/O Technology, Technological science] Zh/O Tekhnika. Tekhnicheskie nauki.
[No. 7, pt. 2. Z Power, Radio electronics. Z Energetika. Radioelektronika] 1964. 299 p.

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII MASHINOSTROENIIA. [New printing equipment] Novaia poligraficheskaia tekhnika. Moskva, 1962. 110 p. (Seriia X: Poligraficheskoe mashinostroenie, no. 2)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Equipment for microfilm printing and rotary printing] Oborudovanie dlia mikrofotokopirovaniia i rotatornoi pechati. Moskva, 1963. 94 p. (Seriia X: Poligraficheskaia tekhnika, no. 5)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Modern drives for printing machines] Sovremennye privody poligraficheskikh mashin. Moskva, 1963. 60 p. (Seriia X: Poligraficheskaia tekhnika, no. 7)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Modern offset printing machinery] Sovremennye ofsetnye pechatnye mashiny. Moskva, 1963. 86 p. (Seriia X: Poligraficheskaia tekhnika, no. 12)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Modern sheet-carrying systems] Sovremennye listoprovodiashchie sistemy. Moskva, 1963. 75 p. (Seriia X: Poligraficheskaia tekhnika, no. 6)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Modern typesetting equipment in foreign countries] Sovremennoe nabornoe oborudovanie za rubezhom. Moskva, 1963. 120 p. (Seriia X: Poligraficheskaia tekhnika, no. 11)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-[illegible] TOMATIZA-[illegible] ting equip-[illegible] Moskva, [illegible] mashino-stroenie, no. 4)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-[illegible]

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Information on library work and bibliographies abroad; collection of materials, July-September 1963] Informa-[illegible] rubezhom; [illegible] Moskva, [illegible]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT POLIGRAFICHESKOI PROMYSHLENNOSTI. [Technology of printing, a collection of informational articles] Tekhnologiia poligrafii, informatsionno-referativnyi sbornik. Pod red. V. S. Lapatukhina. Moskva, 1963. 119 p.

REZNYK, M. H. [Story of the book] Rozpovid' pro knyzhku. Kyiv, Radians'ka shkola, 1964. 138 p.

3. PHILOSOPHY & RELIGION

AKADEMIIA KHUDOZHESTV SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [History of aesthetics; landmarks of world aesthetical thought in five volumes] Istoriia estetiki, pamiatniki mirovoi esteticheskoi mysli v piati tomakh. Red. kollegiia: M. F. Ovsiannikov i dr. Moskva, Iskusstvo.
Vol. 2. [Aesthetical schools in the 17th and 18th centuries] Esteticheskie ucheniia XVII-XVIII vekov. 1964. 834 p.

ALEKSEEV, M. N. [Current problems of logic] Aktual'nye problemy logicheskoi nauki. [Moskva] Izd-vo Mosk. univ., 1964. 92 p.

AMANALIEV, BATYRBEK. [From the history of the philosophical thought of the Kirghiz people] Iz istorii filosofskoi mysli kirgizskogo naroda. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 74 p.
(MH)

ANDREEV, B. V. [Ivan Petrovich Pavlov and religion] Ivan Petrovich Pavlov i religiia. Moskva, Izd-vo "Nauka," 1964. 96 p. (Nauchno-populiarnaia seriia)

BLAUBERG, I. V. [The problem of the whole in Marxist philosophy] Problema tselostnosti v marksistskoi filosofii. Moskva, Vysshaia shkola, 1964. 96 p. (Studentu, izuchaiushchemu filosofiiu)

[CALENDAR FOR THE ATHEIST] Kalendar' ateista. Moskva, Politizdat, 1964. 204 p.

ENGELS, FRIEDRICH. [Dialectic of nature] Dialektika prirody. Moskva, Politizdat, 1964. 358 p.

FADDEEV, E. T. [Creating a second nature; new developments in nature] Tvoria vtoruiu prirodu; novoe v prirode. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike, XII Seriia: Estestvoznanie i religiia, no. 6)

FILATOVA, A. N. [Some aspects of the theory of concepts; in connection with the penetration of the ideas of development into biology] Nekotorye voprosy teorii poniatiia; v sviazi s proniknoveniem idei razvitiia v biologiiu. Moskva, "Vysshaia shkola," 1962. 109 p. (Materialy k lektsiiam po filosofii)
(RPB)

GLAGOLEV, V. F. [Dialectical materialism and certain problems of contemporary physics] Dialekticheskii materializm i nekotorye voprosy sovremennoi fiziki. [n. p.] Rosvuzizdat, 1963. 44 p.

KAIRIUKSTIS, JONAS. [ABC's of free thought] Laisvosios minties ABC. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 103 p. [In Lithuanian]

KOPNIN, P. V., and M. B. VIL'NITSKII, eds. [Problems of thinking in contemporary science] Problemy myshleniia v sovremennoi nauke. Moskva, Izd-vo "Mysl'," 1964. 469 p.

KH[illegible]ZDE, S. [Hallucinations, dreams, hypnosis] Hal[illegible], sapnai, itaiga. Vilnius, Valstybine [illegible] lit-ros leidykla, 1964. 31 p. [In Lithuanian]

[illegible], P.K. [Criticism of contemporary Russian Orthodoxy, consultation] Kritika sovremennogo russkogo pravoslaviia, konsul'tatsiia. Moskva, Izd-vo "Znanie," 1963. 46 p. (V pomoshch' lektoru)

LENINGRAD. UNIVERSITET [Dissemination of Marxist philosophical ideas in Europe (end of the 19th and early 20th centuries)] Rasprostranenie idei marksistskoi filosofii v Evrope (konets XIX-nachalo XX vekov. [Leningrad] Izd-vo Leningr. univ., 1964. 186 p.

LIUBDINSKAIA, L.N. [Neopositivists are intellectual overseers, criticism of the methodology of neopositivism] Neopozitivisty - "intelektual'nye nadsmotrshchiki", kritika metodologii neopozitivizma. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. II Seriia. Filosofiia, no. 11)

MANDI, IU. M. [Reactionary essence of present-day *Christian morals*] Reaktsionnaia sushchnost' sovremennoi khristianskoi morali. Minsk, 1963. 74 p.
(NIC)

MOSCOW INSTITUT POVYSHENIIA KVALIFIKATSII PREPODAVATELEI OBSHCHESTVENNYKH NAUK. Kafedra dialekticheskogo i istoricheskogo materializma [Dialectical materialism and present-day natural science, materials of the All-Russian Seminar of Lecturers in Social Sciences on philosophy problems of present-day natural science] Dialekticheskii materializm i sovremennoe estestvoznanie; sbornik materialov Vserossiiskogo seminara prepodavatelei obshchestvennykh nauk po filosofskim voprosam *sovremennogo* estestvoznaniia. [Moskva] Izd-vo Mosk univ, 1964. 403 p.

NOVIK, I. B. [Philosophical problems of cybernetic modeling] O filosofskikh voprosakh kiberneticheskogo *modelirovaniia*. Moskva, Izd-vo "Znanie," 1964. 32 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 13)

OKUNEV, L.S. [Let there always be sunshine! On the atheistic education of children] Pust' *vsegda budet* solntse! Ob ateisticheskom vospitanii detei. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet kul'tury. Pedagogicheskii fakul'tet, no. 5)

PECIURA, PETRAS. [The gods abandon the people] Dievai palieka zmones. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 96 p. [In Lithuanian]

PECIURA, PETRAS. [What we know about Christ] Ka zinome apie Kristu. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 29 p. [In Lithuanian]

[PROBLEMS OF RELIGION AND ATHEISM] Religijos ir ateizmo klausimai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 366 p. [In Lithuanian]

RUZHELITE, O.S. [Denial of liberty of conscience in *bourgeois countries*] Otritsanie svobody sovesti v burzhuaznykh stranakh. Moskva, Izd-vo "IUridicheskaia literatura," *1964. 124 p.*

[SEE TO IT THAT EACH BELIEVER IS REACHED] *Dokhodit'* do kazhdogo veruiushchego. [Moskva] Mosk. rabochii, 1964. 134 p.

SERGEENKOV, M.M. [Buried alive] Zazhivo pogrebennye. [Moskva] Molodaia gvardiia, 1964. 144 p.

SHALAEV, IU. M. [Contemporary Orthodoxy and science; theological attempts to reconcile religion and science] Sovremennoe pravoslavie i nauka; o bogoslovskikh popytkakh primireniia religii i nauki. Moskva, Izd-vo "Mysl'," 1964. 65 p.

SHINKARUK, V.I. [Logic, dialectic and the theory of knowledge, the problem of the identity of logic, dialectic, and the theory of knowledge in Hegel's philosophy] Logika, dialektika i teoriia poznaniia Gegelia; problema tozhdestva logiki, dialektiki i teorii poznaniia v filosofii Gegelia. [Kiev] Izd-vo Kievskogo univ. 1964. 291 p.

SHVARTSMAN, K.A. [Ethics... without morality, criticism of contemporary bourgeois theories of ethics] Etika... bez morali, kritika sovremennykh burzhuaznykh eticheskikh teorii. Moskva, Izd-vo "Mysl'," 1964. 263 p.

SINIUTIN, V.I. [Optimism is the trait of the Soviet man] Optimizm - cherta sovetskogo cheloveka. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 55 p.

STOLOVICH, L.N. [The beautiful in life and in art] Prekrasnoe v zhizni i v iskusstve. Moskva, Politizdat, *1964.* 68 p. (*Populiarnaia bibliotechka po estetike*)

SVIDERSKII, V.I. [Certain particular aspects of evolution in an objective world] Nekotorye osobennosti razvitiia v ob"ektivnom mire. [*Leningrad*] *Izd-vo* Leningr. univ., 1964. 138 p.

TOKAREV, S.A. [Early forms of religion and their development] Rannie formy religii i ikh razvitie. Moskva, Izd-vo "Nauka," 1964. 397 p.

4. HISTORY

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut literatury i iazyka. [Great friendship of the Azerbaijani and Russian peoples (from ancient times *to our days*); documents, letters, articles, recollections, works of art] Velikaia druzhba azerbaidzhanskogo i russkogo narodov (s drevnikh vremen do nashikh dnei); dokumenty, pis'ma, stat'i, vospominaniia, khudozhestvennye proizvedeniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Book 2. 1964. 477 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Against the falsification of the history of the Second World War; collected articles] Protiv fal'sifikatsii istorii Vtoroi Mirovoi voiny; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 397 p.

AKADEMIIA NAUK SSSR. Institut istorii. [The uprising in Moscow in 1662, a collection of documents] Vosstanie 1662 g. v Moskve; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 304 p.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [On the 100th anniversary of the heroic battle "For our and your freedom"; collected articles and materials on the Revolution of 1863] K stoletiiu geroicheskoi bor'by "Za nashu i vashu svobodu"; sbornik statei i materialov o vosstanii 1863 g. *Pod red. V. A. D'iakova,* I. S. Millera, S. M. Fal'kovich. Moskva, Izd-vo "Nauka," 1964. 446 p.

BABKO, IU. V. [Soldier of the party; on M. O. Skrypnyk] Soldat partii; pro M. O. Skrypnyka. Kyiv, *Derzh*politvydav URSR, 1962. 104 p. (Bortsi za velyku spravu)

BAKHMETOV, S. A., and P. E. NIKITIN. [House in Il'ichevo; a guidebook] Domik v Il'icheve; *putevoditel'.* Izd. 3., ispr. i dop. [Leningrad] Lenizdat, 1964. 44 p. (Memorial'nye muzei V. I. Lenina)

BARAUSKAS, VYTAUTAS. [The oak is strengthened in *the storm*; a biographical sketch] Azuolai grudinasi vetrose; biografine apybraiza. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 90 p. [In Lithuanian]

BOBR'ONOK, S.T. [About my comrades; notes of a participant in the defense of the Brest fortress] Slovo o tovarishchakh; zapiski uchastnika oborony Brestskoi kreposti. Moskva, Voen. izd-vo, 1961. 294 p.
(NcD)

BOBR'ONOK, S.T. [Song about military friends; sketch] Pisnia pro boiovykh podruh; narysy. [Kyiv, Vyd-vo "Molod'," 1964] 238 p.

BONCH-BRUEVICH, M. [illegible]

BORISOV, B.A. [Notes of a secretary of a city committee] Zapiski sekretaria gorkoma. Moskva, Politizdat, 1964. *303 p.*

BORSHCHEVSKII, V. IA. [The laboring class and the soviets of the Donets-Krivoy Rog Basin in the October Revolution] Rabochii klass i Sovety Donetsko-Krivorozhskogo basseina v Oktiabr'skoi revoliutsii. Dnepropetrovsk, 1962. 2 v.
(MH)

BRADLEY, OMAR NELSON. [A soldier's story. Translated from the English] Zapiski soldata. Pod red. E. A. Boltina. Moskva, Izd-vo inostr. lit-ry, 1957. 607 p.
(MID)

CHIMITDORZHIEV, SH. B. [Russian-Oirot (West-Mongolian) relations in the 17th century; author's abstract of a dissertation submitted for the degree of Candidate of Historical Sciences] Russko-oiratskie (zapadno-mongol'skie) otnosheniia v XVII veke, avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Leningrad, Leningr. univ., 1959. 13 p.

CHISTIAKOV, O.I. [Building a government system based on nationalities in the R. S. F. S. R. during the Civil War, 1918-1920] Natsional'no-gosudarstvennoe stroitel'stvo v RSFSR v gody grazhdanskoi voiny (1918-1920). [Moskva] Izd-vo MGU, 1964. 90 p.

DAL'NEVOSTOCHNAIA NAUCHNAIA KONFERENTSIIA PO ISTORII, ARKHEOLOGII I ETNOGRAFII, 3d, Vladivostok, 1962. [Problems in the history of the Soviet Far East; materials] Voprosy istorii sovetskogo Dal'nego Vostoka; materialy. Vladivostok, Akad. nauk SSSR Sibirskoe otd-nie.
Book 1. 1963. 159 p.

DAVIDOVICH, E.A. [History of coinage in Central Asia from the 17th to the 18th century; gold and silver coins of the Janids] Istoriia monetnogo dela Srednei Azii XVII-XVIII vv.; zolotye i serebrianye monety Dzhanidov. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, *1964. 316 p. illus.*

DORNEMAN, LUIZA. [Jenny Marx. Translated from the German] Zene Marks. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 166 p. [In Lithuanian]

DVOIRIS, Z.S. [Fiery heart] Plamennoe serdtse. Moskva, Izd-vo "Znanie," 1964. 130 p. (Prochti, tovarishch!)

EL'CHIBEKIAN, A.M. [Armenia on the eve of the Great October; February - October, 1917] Armeniia nakanune Velikogo Oktiabria; *fevral' - oktiabr'* 1917 goda. Erevan, Izd-vo AN Armianskoi SSR, 1963. 103 p.

FEDOROV, V.G. [In search of weapons] V poiskakh oruzhiia. Moskva, Voenizdat, 1964. 215 p. (Voennye memuary)

GADOEV, KHAMID. [Triumph of the Lenin nationality policy of the CPSU] Torzhestvo leninskoi natsional'noi politiki KPSS. Dushanbe, Tadzhikgosizdat, 1962. 252 p.
(NIC)

GADZHIEV, A.S. [Role of the Russian people in the historical destiny of the peoples of Daghestan] Rol' russkogo naroda v istoricheskikh sud'bakh narodov Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 228 p.

GOLENKO, K.V. [Monetary circulation in Colchis during the Roman period] Denezhnoe obrashchenie Kolkhidy v rimskoe vremia. Leningrad, Izd-vo Gos. Ermitazha, 1964. 107 p.

GONCHARENKO, N.G. [illegible] of the Donets Basin in [illegible] Sovety Do[illegible] v 1917 g. [illegible] 1957.
(MdBJ)

GRODNO. GOSUDARSTVENNYI ISTORIKO-ARKHEOLO-GICHESKII MUZEI. [Guide through the halls of the [illegible] of History and A[illegible]] [illegible] Minsk, Gos. izd-vo BSSR, [illegible]

G[illegible], V.G. [illegible] (Voennye memuary)

[illegible]PAEV, V. L. [Colonial enslavement of Korea by Japanese imperialism, 1895-1917] Kolonial'noe zakabalenie Korei iaponskim imperializmom (1895-1917). Moskva, Izd-vo "Nauka," 1964. 240 p.

[illegible], V. P. [Contemporary bourgeois historiography of ancient Russia] Sovremennaia burzhuaznaia istoriografiia Drevnei Rusi. Moskva, Izd-vo "Nauka," 1964. [illegible] p.

[illegible]MIANTSIV, VALENTYN [Recollections of a member of the Bogdan Chmielnicki Regiment] Spohady Bohdanivtsia New York, "Chervona kalyna," 1963 123 p
(InU)

SMIRNOV, K. F. [The Sarmatians, early history and culture] Savromaty, ranniaia istoriia i kul'tura sarmatov. Moskva, Izd-vo "Nauka," 1964. 376 p.

SOKOLOV, N P [Establishment of the Venetian colonial empire] Obrazovanie Venetsianskoi kolonial'noi imperii [Saratov] Izd-vo Saratovskogo univ., 1963. 540 p
(MH)

STEPANISHCHEV, S. S N. P Ogarev Leningrad, Ob-vo "Znanie" RSFSR, 1964 59 p.

[STORIES OF THE EARLY RUSSIAN CHRONICLES] Rasskazy nachal'noi russkoi letopisi. Moskva, Izd-vo "Detskaia literatura," 1964. 207 p. (Shkol'naia biblioteka)

STROKOV, A. A., ed. [The lessons of history can not be refuted] Uroki istorii neoproverzhimy. Moskva, Voenizdat, 1964. 359 p.

[STRUGGLE FOR THE NATIONAL LIBERATION OF BULGARIA DURING THE RUSSO-TURKISH WAR, 1877-1878] Bor'ba za natsional'noe osvobozhdenie Bolgarii v period Russko-turetskoi voiny, 1877-1878. Pod red. S. A. Nikitina. Moskva, Izd-vo "Nauka," 1964. 644 p. (Osvobozhdenie Bolgarii ot turetskogo iga, no. 2)
(MH)

SYROP, KONRAD. [Spring in October; the Polish revolution of 1956. Translated from the English] Vesna v oktiabre, pol'skaia revoliutsiia 1956. goda. New York, F. A. Preger [1961] 210 p.
(MiD)

TOLMACHEV, A. V. Kalinin. Moskva, Molodaia gvardiia, 1963. 269 p. illus. (Zhizn' zamechatel'nykh liudei. Seriia biografii)
(NIC)

TOMIN, V. R., and S. B. GRABOVSKII. [Tracing the heroes of the Berlin underground] Po sledam geroev berlinskogo podpol'ia. Moskva, Politizdat, 1964. 101 p.

TSAPLIN, F. S. [Soviet-Mongolian amity in the years of the Second World War] Sovetsko-mongol'skoe sodruzhestvo v gody Vtoroi Mirovoi voiny. Moskva, Izd-vo "Nauka," 196[illegible]. 84 p.

VALEV, L. B. [The Bulgarian nation and the struggle against fascism, on the eve and the first period of the Second World War] Bolgarskii narod v bor'be protiv fashizma; nakanune i v nachal'nyi period Vtoroi Mirovoi voiny. Moskva, Izd-vo "Nauka," 1964. 371 p.

VARSHAVSKII, A. S. [Everything above the subsoil] Vse, chto vyshe materika. Moskva, Izd-vo "Detskaia literatura," 1964. 190 p. illus.

VOLOGDA. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [From congress to congress; the struggle of the Vologda party organization to raise the level of economics and culture in the province] Ot s"ezda k s"ezdu; iz opyta bor'by Vologodskoi partiinoi organizatsii za pod"em ekonomiki i kul'tury oblasti. [Vologda] Vologodskoe knizhnoe izd-vo.
Vol. 1. 1963.

ZAICHIKOV, G. I. [The struggle of the Bolsheviks against militarism and the imperialist war in 1907-1914] Bor'ba bol'shevikov protiv militarizma i imperialisticheskoi voiny v 1907-1914 gg. Moskva, Vysshaia shkola, 1964. 102 p. (Studentu, izuchaiushchemu istoriiu KPSS)

5. SOCIAL SCIENCES

ABDRAZAKOV, T. [Land of a great future] Krai bol'shogo budushchego Alma-Ata, Kazgosizdat, 1961. 48 p
(DBC)

AGAMIROV, MIDKHET. [The national question in social thought of Azerbaijan during the first Russian revolution] Birinchi rus ingilaby illerinde Azerbaichan ichtimai fikrinde milli meselele dair. Baky, Azerbaichan SSR Elmler Akademiiasy neshriiiaty, 1963. 117 p. [In Azerbaijani]

AIZENBERG, I. P. [For the welfare of man] Dlia blaga cheloveka. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 14)

AKADEMIIA NAUK SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [National economy of socialist countries in 1963, reports of statistical administrations] Narodnoe khoziaistvo sotsialisticheskikh stran v 1963 godu, soobshcheniia statisticheskikh upravlenii. Moskva, Ekonomika, 1964. 189 p.

AKADEMIIA NAUK SSSR. Nauchnyi Sovet po kompleksnoi probleme "Istoriia Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii." [The working class and the labor movement in Russia in 1917; materials of an academic meeting, July 3-5, 1962 in Kiev] Rabochii klass i rabochee dvizhenie v Rossii v 1917 g., materialy Nauchnoi sessii, sostoiavsheisia 3-5 iiulia 1962 g. v Kieve. Moskva, Izd-vo "Nauka," 1964. 358 p.

ANOKHINA, L. A., and M. N. SHMELEVA. [Culture and living conditions of the collective farmers of Kalinin Province] Kul'tura i byt kolkhoznikov Kalininskoi oblasti. Moskva, Izd-vo "Nauka," 1964. 351 p.

APRESIAN, G. Z., and others, eds. [Problems of historical materialism and scientific communism] Voprosy istoricheskogo materializma i nauchnogo kommunizma. [Moskva] Izd-vo Mosk. univ., 1964. 260 p.

ARASLANOV, K. M [Ways to improve the use of capital assets; based on the materials of an analysis of the industry of Kirov Province] Puti uluchsheniia ispol'zovaniia osnovnykh fondov (na materialakh analiza promyshlennosti Kirovskoi oblasti). [Kirovsk] Kirovskoe knizhnoe izd-vo, 1963 150 p.

ARAVIISKII, A N. [Collection of problems and exercises in commercial computing] Sbornik zadach i uprazhnenii po khoziaistvennym vychisleniiam. Moskva, Statistika, 1964. 141 p

ARUSTAMOVA, F. A. [Certain problems in industrial hygiene in petroleum refining of Azerbaijan] Nekotorye voprosy gigieny truda v neftepererabatyvaiushchei promyshlennosti Azerbaidzhanskoi SSR. Baku, Azerneshr, 1963. 51 p.

BALLER, E. A., and S. M. KOSOLAPOV. [What is culture] Chto takoe kul'tura. [Moskva] Mosk. rabochii, 1964. 139 p.

BARSUK, V. A. [Mathematical methods of planning the transportation of parcels] Matematicheskie metody planirovaniia perevozki posylok. Moskva, Izd-vo "Sviaz'," 1964. 34 p. (Lektsii po ekonomike sviazi)

BASH, M. S., and M. R. SHEINFAIN. [The transportation financial plan of an automotive transportation enterprise] Transfinplan avtotransportnogo predpriiatiia. Moskva, Transport, 1964. 106 p.

BEILINA, G. KH. [Specialization and cooperation in the industry of the Latvian S. S. R.] Spetsializatsiia i kooperirovanie v promyshlennosti Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 79 p.

BELIALOV, U. B. [Supervision of economic construction in Tataria during the civil war (1918-1920)] Rukovodstvo khoziaistvennym stroitel'stvom v Tatarii v gody grazhdanskoi voiny (1918-1920). Kazan', Izd-vo Kazanskogo univ., 1963. 207 p.
(ViU)

BELICHENKO, P. P., and V. I. VOROPAEV. [The cost of a centner of produce] Sebestoimost' tsentnera produktsii. Moskva, Izd-vo "Znanie," 1964. 100 p. (Narodnyi universitet kul'tury Sel'skokhoziaistvennyi fakul'tet, no. 6)

BOLGOV, V. I. [Leisure time and workers' living standards] Vnerabochee vremia i uroven' zhizni trudiashchikhsia. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 13[illegible] p.

BONDAREV, I. M. [For workers' benefit] Dlia blaga trudiashchikhsia. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 58 p.

BORODKIN, I. A. [Economics and planning in the rubber industry] Ekonomika i planirovanie rezinovoi promyshlennosti. Moskva, Ekonomika, 1964. 204 p.

BUSLINSKII, V. A. [Peculiarity of the leap in the transition from socialism to communism] O svoeobrazii skachka pri perekhode ot sotsializma k kommunizmu. Moskva, Izd-vo "Mysl'," 1964. 55 p.

CEPAS, A., and others. [People's voluntary policemen are on guard for order] Liaudies draugovininkai tvarkos sargyboje. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 40 p. [In Lithuanian]

CEPULIENE, STEFA. [Trade-union movement in Lithuania, 1919-1920] Profsajunginis judejimas Lietuvoje (1919-1920 m.). Vilnius, Leidykla "Mintis," 1964. 119 p. [In Lithuanian]

CHEKALIN, V. I. [Love and the family] Liubov' i sem'ia. Moskva, Politizdat, 1964. 255 p.

CHERKASOV, G. N. [In the interest of millions] V interesakh millionov. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 11)

[CHILDREN CAME TO THE CLUB] V klub prishli deti. Moskva, Sovetskaia Rossiia, 1964. 223 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku," no. 8)

CHUDNOVSKII, D. M., and others. [Economics and planning of the production of precast concrete] Ekonomika i planirovanie proizvodstva sbornogo zhelezobetona. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 501 p.

[COUNTRIES OF THE NEAR AND MIDDLE EAST, a concise handbook on politics and economics] Strany Blizhnego i Srednego Vostoka; kratkii politiko-ekonomicheskii spravochnik. Moskva, Politizdat, 1964. 205 p.

DANUBE COMMISSION (1949-) Protokoly. Procès-verbaux. Budapest, Izd. Sekretariata Dunaiskoi Komissii. [In Russian and French]
Vol. 21. [Twenty-first session, January 30 to February 14, 1963, in Budapest. Proceedings nos. 116-120] Dvadtsat' pervaia sessiia, 30 ianvaria - 14 fevralia 1963 g., g. Budapest Protokoly NoNo. 116-120. 1963. 406 p.

[DEVELOPMENT OF CHEMISTRY IS A MATTER OF OUR HONOR] Podniat' khimiiu - delo nashei chesti. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 90 p. (Pretvorim v zhizn' resheniia XXII s"ezda KPSS)
[MICROFILM]

DEVIATAEV, M. P. [Flight from hell] Pobeg iz ada. Saransk, Mordovskoe knizhnoe izd-vo, 1963. 134 p.

DVORKIN, I. N. [Will technology save them? A criticism of "technological" theories in bourgeois economics] Spaset li ikh tekhnika? Kritika "tekhnologicheskikh" teorii v burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike, III Seriia: Ekonomika, no. 13)

[ECONOMICS OF SOCIALIST INDUSTRY; a popular textbook] Ekonomika sotsialisticheskoi promyshlennosti; populiarnoe uchebnoe posobie. Izd. 2., dop. i perer. Moskva, Politizdat, 1964. 302 p.

EMEL'IANOV, A. D. [Financing, issuing credit and the analysis of the financial operations of fishing industry enterprises] Finansirovanie, kreditovanie i analiz finansovoi deiatel'nosti predpriiatii rybnoi promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 258 p.

EMEL'IANOV, N. M. [Organization of wages in housing administration] Organizatsiia zarabotnoi platy v zhilishchno-kommunal'nom khoziaistve. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 134 p.

FEDOROV, A F. [Social insurance in the Ukrainian S. S. R.] Sotsial'ne zabezpechennia v Ukrains'kii RSR. Kyiv, Derzhpolitvydav URSR, 1964 70 p

FIGNER, V. N. [Toil embossed in memory; reminiscences in two volumes] Zapechatlennyi trud; vospominaniia v dvukh tomakh. Moskva, Izd-vo "Mysl'," 1964. 2 v.

FIL', E. V. [Organization of foundries] Organizatsiia liteinykh tsekhov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 264 p.

[FINANCIAL WORK OF TRADE UNIONS; a collection of governing materials] Finansovaia rabota profsoiuzov; sbornik rukovodiashchikh materialov. [Moskva] Profizdat, 1964. 318 p.

[FOREIGN TRADE OF THE U. S. S. R. IN 1963, a statistical survey] Vneshniaia torgovlia Soiuza SSR za 1963 god; statisticheskii obzor. Moskva, Vneshtorgizdat, 1964. 263 p.

GALKIN, L. G. [Wages under socialism; a lecture] Zarabotnaia plata pri sotsializme; lektsiia. [Moskva] Izd-vo Mosk. univ., 1960. 41 p.
(TxHR)

GERONIMUS, B. L. [Using mathematical methods in planning automotive freight transportation] Primenenie matematicheskikh metodov v planirovanii avtomobil'nykh perevozok. [n. p.] Rosvuzizdat, 1963. 82 p.

GILEV, A. A. [High standard of production is a potential for increasing labor productivity] Kul'tura proizvodstva — rezerv povysheniia proizvoditel'nosti truda. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1963. 89 p.

GOLOVENKO, N. A. [Precast reinforced concrete industry of Moldavia and its raw material base] Promyshlennost' sbornogo zhelezobetona Moldavskoi SSR i ee syr'evaia baza. Pod red. A. A. Vorob'eva. Kishenev, Kartia Moldoveniaske, 1964. 95 p.

GORNO-ALTAYSK. OBSHCHESTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Study and development of the productive forces of the Gornyy Altai; materials for the first scientific conference of the Public Scientific Research Institute] Ob izuchenii i razvitii proizvoditel'nykh sil Gornogo Altaia; materialy k pervoi nauchnoi konferentsii ONII. [Gorno-Altaisk] Gorno-Altaiskoe knizhnoe izd-vo, 1961. 319 p.
(MH)

GULANIAN, KH. G. [Expanded reproduction during the large-scale building of communism; for correspondence and evening school students] Rasshirennoe sotsialisticheskoe vosproizvodstvo v period razvernutogo stroitel'stva kommunizma v SSSR; dlia studentov zaochnogo i vechernego obucheniia. [Moskva] Vysshaia shkola, 1964. 67 p.

[HELLO, POLAND!] Den' dobryi, Pol'sha! Moskva, Izd-vo "Pravda," 1964. 247 p. illus.

IGNATOVSKII, P. A. [Additional agricultural investments] Dobavochnye vlozheniia v zemledelie. Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 14)

IGNATOVSKII, P. A. [Economics of electrification and comprehensive mechanization in animal husbandry] Ekonomika elektrifikatsii i kompleksnoi mekhanizatsii zhivotnovodstva. Moskva, Izd-vo "Ekonomika," 1964. 117 p.

ILINICH, A. IA., and G. S. TKACHENKO. [Savings business] Sberegatel'noe delo. Moskva, Izd-vo "Finansy," 1964. 402 p.

IOIRYSH, A. I. [Your labor and communism] Tvoi trud i kommunizm. Moskva, Politizdat, 1964. 94 p.

JEZEPCIKAS, JONAS, and DOMAS STASELIS. [A village risen from the ashes] Iz pelenu pakiles kaimas. Vilnius, Leidykla "Mintis," 1964. 38 p. [In Lithuanian]

KABO, L. R [Point of destination is life, articles and essays] Stantsiia naznacheniia - zhizn', stat'i i ocherki [Moskva] Mosk. rabochii, 1964. 215 p

KADYSHEV, V. P [The U. S. S. R in foreign markets] SSSR na vneshnikh rynkakh. Moskva, Vneshtorgizdat, 1964. 80 p.

KARASIK, M. N. [Economic effectiveness of design decisions for livestock buildings] Ekonomicheskaia effektivnost' proektnykh reshenii zhivotnovodcheskikh ob"ektov. Moskva, Stroiizdat, 1964. 122 p.

KAZAKOV, V. I. [Technological progress is the highroad to communism] Tekhnicheskii progress - stolbovaia doroga k kommunizmu. Moskva, Sovetskaia Rossiia, 1964. 66 p. (Resheniia XXII s"ezda KPSS - v zhizn'!)

KHARIN, A. P. [Potentials of the machinery industry] Rezervy mashinostroitel'nogo proizvodstva. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 99 p.

KHODZHAEV, S. M. [The intraregional transportation and economic relations of Uzbekistan, based on railroad materials] Mezhraionnye transportno-ekonomicheskie sviazi Uzbekistana; po materialam zheleznykh dorog. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 100 p.

KOCHUBEI, A. D. [Planning and administrative guidance at the present stage] Planuvannia i hospodars'ke kerivnytstvo na suchasnomu etapi. Kyiv, Derzhpolitvydav URSR, 1963. 139 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. [Program on the economics of building; systems of political education for schools of economics, groups and seminars] Statybos ekonomikos programa; politinio svietimo sistemos ekonomikos mokykloms, rateliams ir seminarams. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 33 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA Vysshaia partiinaia shkola. [Program on transportation economics, systems of political education for schools of economics, groups and seminars] Transporto ekonomikos programa; politinio svietimo sistemos ekonominems mokykloms, rateliams ir seminarams. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 27 p [In Lithuanian]

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of transportation; for schools of economics, clubs and seminars of the system of political education] Programma po ekonomike transporta; dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 31 p.

KOVALEV, N. I. [Work of the factory, plant and local committees among the masses of industrial workers] Komissiia FZMK po proizvodstvenno-massovoi rabote. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no. 14(86))

KOZUBENKO, V. A. [Analysis of the economic operations of a coal mine] Analiz khoziaistvennoi deiatel'nosti ugol'noi shakhty. Moskva, Izd-vo "Nedra," 1964. 211 p.

KUMEL'SKII, L. E. [Work incentives] Stimuly truda. Moskva, Sovetskaia Rossiia, 1962. 78 p. (Resheniia XXII s"ezda KPSS - v zhizn'!)

KUNIN, V. A. [Profitable poultry farms] Rentabel'nye ptitsefermy. [Moskva] Moskovskii rabochii, 1964. 55 p. (Ikh opyt dostupen vsem)

LEBEDEV, E. P. [Transportation statistics] Transportnaia statistika. Izd. 2., perer. i dop. Moskva, Izd-vo "Statistika," 1964. 334 p.

[illegible] EKONOMIKE. [illegible]

LENINSKII, KOMMUNISTICHESKII SOIUZ MOLODEZHI TATARII. Oblastnoi komitet. Otdel propagandy i agitatsii. [The people in the large-scale petroleum industry] O liudiakh bol'shoi nefti. Kazan', 1963. 20 p.

[MICROFILM]

LITHUANIAN S. S. R. Zemes ukio ekonomikos mokslinio tyrimo institutas. [Collection of essays on scientific and technological information] Mokslines-technines informacijos straipsniu rinkinys. Vilnius, Laikrasciu ir zurnalu leidykla, 1963 72 p. [In Lithuanian]

LUZIN, V I [Economics of the field preparation of oil and the refinement of oil-field gas] Ekonomika promyslovoi podgotovki nefti i pererabotki neftepromyslovogo gaza. Moskva, Izd-vo "Nedra," 1964 141 p.

L'VOV, D. S. [Economic efficiency of machines and technological processes] Ekonomichnost' mashin i protsessov. Moskva, Izd-vo "Mashinostroenie," 1964. 168 p.

MAL'TSEV, V. I., and others. [Effect of decisions in public building design on lowering their maintenance costs] Vliianie proektnykh reshenii obshchestvennykh zdanii na snizhenie zatrat pri ikh ekspluatatsii. Moskva, Stroiizdat, 1964. 58 p.

MALYSHEV, I. S. [Economics and administrative practice] Ekonomicheskaia nauka i khoziaistvennaia praktika. Moskva, Ekonomika, 1964. 95 p. (Obsuzhdaem problemy sovershenstvovaniia planirovaniia, no. 5)

MAMBETOV, G. KH. [Peasant crafts in Kabarda and Balkaria in the second half of the 19th and the beginning of the 20th centuries] Krest'ianskie promysly v Kabarde i Balkarii vo vtoroi polovine XIX-nachale XX veka. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 109 p.
(MH)

MIKHAILOV, O. O. [Cultural development of the Ukrainian village in the years of socialist construction, 1929-1941] Kul'turnyi rozvytok ukrains'koho dela v roky sotsialistychnoho budivnytstva. (1929-1941). Kyiv, Derzhpolitvydav URSR, 1963. 156 p.

MIZHVUZIVS'KA KONFERENTSIIA PO VYVCHENNIU PRYRODNYKH RESURSIV PODILLIA. 1963. [Materials on the study of the natural resources of Podolia] Materialy do vyvchennia pryrodnykh resursiv Podillia. Kremenets', Kremenets'kyi derzhavnyi pedagog. in-t, 1963. 199 p.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Imperialism and the crisis of world capitalism; textbook] Imperializm i krizis mirovogo kapitalizma; uchebnoe posobie. Pod red. E. IA. Bregelia. Moskva, IMO, 1964. 594 p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TRUDA. [Labor and wages; a bibliography of literature published in the U. S. S. R. in Russian in 1961] Trud i zarabotnaia plata; bibliograficheskii ukazatel' literatury, izdannoi v SSSR na russkom iazyke v 1961 g Moskva, 1963. 519 p.

MOSCOW. TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Unified production standards and prices for enterprises of the peat industry] Edinye normy vyrabotki i rastsenki dlia predpriiatii torfianoi promyshlennosti. 2., perer. izd. Moskva, Nedra, 1964. 203 p.

MOSCOW. UNIVERSITET DRUZHBY NARODOV. Kafedra istoriko-ekonomicheskogo tsikla. [Historical and economic survey] Istoriko-ekonomicheskii obzor. Moskva.
  Pt. 1. [The precapitalist formations] Dokapitalisticheskie formatsii. 1963. 199 p.

NAKORIAKOV, V. N. [Closer to life and production] Blizhe k zhizni, k proizvodstvu. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 11)

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI [illegible]
izdat, 1964. 206 p.

[illegible], A. V. [Free time and its use, the building of communism and the leisure of workers] Svobodnoe vremia i ego ispol'zovanie, stroitel'stvo kommunizma i dosug trudiashchikhsia. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 55 p.

[illegible]AIA, V. P. [Social and economic development of Karachai in the 19th century, prereform period] Sotsial'no-ekonomicheskoe razvitie Karachaia v XIX veke, doreformennyi period. Pod red. Kh. O. Laipanova. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1960. 159 p.

[illegible], A. V. [The [illegible] of the Communards] [illegible] Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. [illegible] no. 14)

OBLOMSKAIA, I. IA. [Material self-interest as an economic category of socialism] Material'naia zainteresovannost' — ekonomicheskaia kategoriia sotsializma. Moskva, Izd-vo "Mysl'," 1964. 92 p.

OSTANOVSKII, T. S. [School writing materials, office supplies, and toys] Shkol'no-pis'mennye, kantseliarskie tovary i igrushki. Moskva, Ekonomika, 1964. 190 p.

PEREPECHIN, B. M., and N. P. FILINOV. [Forest exploitation in the U.S.S.R. (1946-1962)] Lesopol'zovanie v SSSR (1946-1962 gg.). 2 dop. izd. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 128 p.

PETROVA, I. I. [Women of the world] Zhenshchiny mira. Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia. Mezhdunarodnaia, no. 12)

PISAREV, I. IU. [Problems of labor statistics in the works of V. I. Lenin] Voprosy statistiki truda v rabotakh V. I. Lenina. Moskva, Statistika, 1964. 95 p.

PISAREV, V. I. [The Mongolian People's Republic on the path to the completion of the building of socialism] MNR na puti k zaversheniiu stroitel'stva sotsializma. Moskva, Izd-vo "Nauka," 1964. 158 p.

POPOV, K. M. [Japan, essays on the development of its national culture and geographical thought] IAponiia, ocherki razvitiia natsional'noi kul'tury i geograficheskoi mysli. Moskva, Izd-vo "Mysl'," 1964. 638 p. (Geograficheskaia seriia)

PROKOPCHENKO, I. P. [What members of housing cooperatives should know] Chto dolzhen znat' chlen zhilishchno-stroitel'nogo kooperativa. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 105 p.

RAGEVICIUS, MYKOLAS. [The policy of saving] Ekonomijos rezimas. Vilnius, Leidykla "Mintis," 1964. 35 p. [In Lithuanian]

RAMANAUSKAS, E. [Chemistry in the service of man] Chemija - zmogaus buiciai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 15 p. [In Lithuanian]

REUEL', A. L. [Subject and name index to the second volume of Karl Marx' "Capital"] Predmetnyi imennoi ukazatel' ko vtoromu tomu "Kapitala" K. Marksa. Moskva, Izd-vo "Mysl'," 1964. 326 p.

REZNIKOV, A. E., and A. A. KRESTINSKII. [Difficult children] O trudnykh detiakh. Moskva, Izd-vo "Znanie," 1964. 54 p. (Narodnyi universitet. Pedagogicheskii fakul'tet, no. 6)

RIGA. STATISTISKA PARVALDE. [Riga; a statistical abstract] Riga; statisticheskii sbornik. [Riga] 1963. 298 p.

ROGOVOI, M. R. [Mathematical methods in planning] Matematicheskie metody v planirovanii. Moskva, Ekonomika, 1964. 118 p. (V pomoshch' ekonomistu i planoviku)

ROMANOVICH, N. D. [Potentials for reducing the cost of ferrous metals] Rezervy snizheniia sebestoimosti chernykh metallov. Moskva, Metallurgizdat, 1963. 72 p. (Nachal'naia ekonomicheskaia shkola)

RUDINKIN, IU A. [Amortization of capital assets in the mining industry] Amortizatsiia osnovnykh fondov v gornoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 67 p. (Konkretnaia ekonomika dlia gorniakov)

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Collection of supplemental standard district estimates for construction. Approved by the State Construction Committee of the U. S. S. R to go into effect April 1, 1964] Sbornik dopolnitel'nykh edinykh raionnykh edinichnykh rastsenok na stroitel'nye raboty. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR dlia primeneniia s 1 aprelia 1964 g. Moskva, Stroiizdat.
No. 11. 1964. 135 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instruction for the compilation of projected estimates for oil and gas well construction] Instruktsiia po sostavleniiu proektno-smetnoi dokumentatsii na stroitel'stvo neftianykh i gazovykh skvazhin. Moskva, Stroiizdat, 1964. 127 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list of regional prices for the construction of oil and gas wells, in the norms and prices effective January 1, 1961 and the norms of amortization deductions introduced from January 1, 1963] Preiskurant raionnykh rastsenok na stroitel'stva. neftianykh i gazovykh skvazhin; v normakh i tsenakh, deistvuiushchikh na 1 ianvaria 1961 g., i normakh amortizatsionnykh otchislenii, vvedennykh s 1 ianvaria 1963 g. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR 19 avgusta 1963 g. Moskva, Stroiizdat, 1964. 529 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard regulations governing a deputy of a manager (chief) of economic problems and head economist of a building (assembly) trust. Approved by the State Committee for Construction on January 7, 1964] Tipovoe polozhenie o zamestitele upravliaiushchego (nachal'nika) po ekonomicheskim voprosam i glavnom ekonomiste stroitel'nogo (montazhnogo) tresta. Utverzhdeno Gosudarstvennym komitetom po delam stroitel'stva SSSR 7 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Stroiizdat, 1964. 5 p.

SAMOKHVALOV, F. V. [National economic councils, 1917-1932] Sovety narodnogo khoziaistva v 1917-1932 gg. Moskva, Izd-vo "Nauka," 1964. 300 p.

SAVENKOV, S. I. [Natural conditions of the lower trans-Volga region (economic geographic characteristics); materials on economic geographic regionalization to be used in agriculture] Prirodnye usloviia Nizhnego Zavolzh'ia (ekonomiko-geograficheskaia kharakteristika), materialy po ekonomiko-geograficheskomu raionirovaniiu SSSR dlia tselei sel'skogo khoziaistva. [Saratov] Izd-vo Saratovskogo univ., 1962. 159 p.

SHCHEPETOV, K. N. [From the life of serfs in 18th-19th century Russia, based on the materials of the Sheremet'ev estates] Iz zhizni krepostnykh krest'ian Rossii XVIII-XIX vekov; po materialam Sheremetevskikh votchin. Moskva, Uchpedgiz, 1963. 100 p.

SHESTAKOV, V. V., and A. L. STEPANIUK. [Accounting in firms] Bukhgalterskii uchet v firmakh. Moskva, Izd-vo "Finansy," 1964. 64 p.

SHMELEV, B. G. [Economic calculations where specialization in the manufacturing of parts is in effect] Ekonomicheskie raschety pri podetal'noi spetsializatsii. Moskva, Izd-vo "Mashinostroenie," 1964. 106 p. (Novoe v ekonomike i organizatsii proizvodstva, no. 3)

SHTAERMAN, E. M. [Flourishing of slaveowning relations in the Roman Republic] Rastsvet rabovladel'cheskikh otnoshenii v Rimskoi respublike. Moskva, Izd-vo "Nauka," 1964. 261 p. (Issledovaniia po istorii rabstva v antichnom mire)

SHUMENKOV, P. P., and L. D. LEVCHENKO. [Ways of increasing labor productivity in housing construction] Puti povysheniia proizvoditel'nosti truda v zhilishchnom stroitel'stve. Moskva, Stroiizdat, 1964. 64 p.

SMIRNOV, I. A. [Analysis of the administrative operations of a state farm; a methodological aid for practical studies] Analiz khoziaistvennoi deiatel'nosti sovkhoza; metodicheskoe posobie dlia prakticheskikh zaniatii studentov. Pod red. S. G. Kolesneva. Moskva, Mosk. ordena Lenina sel'khoz. akademiia im K. A. Temiriazeva, 1963. 90 p.

SMIRNOV, V. A. [Technical economic base for gas-distribution systems] Tekhniko-ekonomicheskoe obosnovanie skhem gazosnabzheniia. Moskva, Stroiizdat, 1964. 187 p.

STEPANOV, A. I. [An arid region and its economy] Zasushlivyi raion i ego ekonomika. Moskva, Izd-vo "Kolos," 1964. 246 p.

STEPANOV, V. I. [Economic bases of peaceful coexistence] Ekonomicheskie osnovy mirnogo sosushchestvovaniia. Pod red. S. L. Vygodskogo. Moskva, Izd-vo "Ekonomika," 1964. 164 p.

STERLIN, E. A. [Work organization and the establishment of work norms for those who work at several machine tools in the textile industry] Organizatsiia i normirovanie truda mnogostanochnikov v tekstil'noi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 197 p.

SUMTSOV, A. I. [The theory of accounting] Teoriia bukhgalterskogo ucheta. Izd. 6., perer. Moskva, Statistika, 1964. 230 p.

SVOBODA, EMANUEL. [Graphic control in communications enterprises. Translated from the Czech] Graficheskii kontrol' na predpriiatiiakh sviazi. Moskva, Sviaz'izdat, 1961. 110 p.

SYSOEV, E. P. [Forest resources at the service of people] Lesnye bogatstva - na sluzhbu narodu. [Kirov] Kirovskoe knizhnoe izd-vo, 1963. 41 p.

TARASENKO, N. V. [Economics of the printing industry, a textbook] Ekonomika poligraficheskoi promyshlennosti; uchebnoe posobie. Moskva, Mosk. poligraficheskii in-t, 1963. 110 p.
[MICROFILM]

[TECHNICAL AND ECONOMIC PROBLEMS OF DEVELOPING TRANSPORTATION; transactions of a conference of young specialists] Tekhniko-ekonomicheskie voprosy razvitiia transporta; trudy konferentsii molodykh spetsialistov. Moskva, In-t kompleksnykh transportnykh problem.
No. 3. [Problems of improving the organization of the transportation process] Voprosy sovershenstvovaniia organizatsii perevozochnogo protsessa. 1963. 186 p.
[MICROFILM]

[TIMETABLE OF SUBURBAN TRAINS OF THE MOSCOW RAILROAD. MOSCOW - BORODINO. Winter 1963/64] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Borodino, Moskovskoi zh. d. Zima 1963/64 g. [Moskva] Transzheldorizdat, 1963. 64 p.

[TIMETABLE OF SUBURBAN TRAINS OF THE MOSCOW RAILROAD. MOSCOW - RAMENSKOYE - GOLUTVIN; MOSCOW - KUROVSKAYA - CHERUSTI. Summer 1964] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Ramenskoe - Golutvin; Moskva - Kurovskaya - Cherusti, Moskovskoi zh. d. Na leto 1964 g. Moskva, Izd-vo "Transport," 1964. 94 p.

[THE TRADE-UNION GROUP ORGANIZER, from trade-union group work practice in industrial and agricultural enterprises] Profgruporg; iz opyta raboty profsoiuznykh grupp na predpriiatiiakh promyshlennosti i sel'skogo khoziaistva. [Moskva] Profizdat, 1964. 222 p.

[TRADE UNIONS IN THE U. S. S. R.; documents and materials in four volumes, 1905-1963] Profsoiuzy SSSR; dokumenty i materialy v chetyrekh tomakh (1905-1963) [Moskva] Profizdat.
[illegible] [illegible] the period of accomplished [illegible] gradual transition to [illegible]-1952] Profsoiuzy v period [illegible] sotsializma i postepen[illegible] (1937-1952 gg). [illegible]

TSENTRAL'NAIA RESPUBLIKANSKAIA [illegible]

B. POLITICAL SCIENCE

A 6 7

KOMMUNISTISCHE PARTEI DEUTSCHLANDS. Partei-[illegible] [illegible] Communist Party of Germany, [illegible] Kommunisticheskoi partii Germanii [illegible] Moskva, Izd-vo Politizdat, 1964. 213 p.

[illegible] G. D. [Against falsification of the CPSU [illegible] the Scientific and [illegible] Council on the History of the CPSU of the All-Union Society of "Znanie"] Protiv fal'sifikatsii [illegible] KPSS [illegible] komissii po istorii KPSS [illegible] "Znanie," Moskva, Izd-vo [illegible] 1964. 31 p. (Novoe v zhizni, nauke, [illegible] Istoriia, no. 13)

LITHUANIAN S.S.R. Aukščiausioji Taryba. [Verbatim report, tenth session of the Fifth Supreme Soviet of the Lithuanian SSR, January 10-11, 1963] Stenograficheskii otchet, desiataia sessiia Verkhovnogo Soveta Litovskoi SSR (piatogo sozyva) 10-11 ianvaria 1963 g. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1963. 170 p.

LUKOVETS, A. I. [Future aspirations, 20 years of People's Poland] Ustremlennye v budushchee, Narodnoi Pol'she—dvadtsat' let. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike: VII seriia: Mezhdunarodnaia, no. 11)

[MANUAL FOR THE PARTY WORKER] Spravochnik partiinogo rabotnika. Moskva, Politizdat. No. 5. 1964. 445 p.

MASLENNIKOV, V. A. [Decline of the colonial system of imperialism, aid for correspondence and evening students studying the materials of the 22d Congress of the CPSU] *Raspad kolonial'noi sistemy imperializma*, v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s'ezda KPSS. [IAroslavl'] Vysshaia shkola, 1964. 27 p.

[MASS POLITICAL WORK, from the experience of rural party organization work] Politinis-masinis darbas, is kaimiskuju partiniu organizaciju darbo patyrimo. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 127 p. [In Lithuanian]

MORDOVSKAYA A. S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Mordvinian A. S. S. R., third session, 1959. Verbatim report] Zasedaniia Verkhovnogo Soveta Mordovskoi ASSR, 5. sozyva, 3. sessiia 1959 goda. Stenograficheskii otchet. Saransk, 1960. 1 v.
(MH-L)

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK [Against the falsification of the history of the CPSU] Protiv fal'sifikatsii istorii KPSS. Moskva, "Mysl'," 1964. 238 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Peaceful coexistence and the struggle of the U. S. S. R. for peace, survey of the literature] Mirnoe sosushchestvovanie i bor'ba SSSR za mir; obzor literatury. Moskva, 1963. 35 p. (V pomoshch' chitateliu, no. 3)

MOSCOW. UNIVERSITET. Kafedra teorii gosudarstva i prava. [Certain social-reformist concepts of the state] *O nekotorykh sotsial-reformistskikh kontseptsiiakh* gosudarstva. [Moskva] Izd-vo Mosk. univ., 1964. 128 p.

MSHVENIERADZE, V. V. [Anticommunism is the armor of the doomed] Antikommunizm-oruzhie obrechennykh. Moskva, "Mysl'," 1964. 243 p.

NATAL'IN, G. P. ["Der Spiegel" behind bars] "Zerkalo" za reshetkoi. Moskva, Politizdat, 1964. 39 p. (Zapad nashikh dnei)

NIKOLAEV, V. V. [From a socialist government to communist self-government] Vid sotsialistychnoi derzhavnosti do komunistychnogo *samovriaduvannia*. Kyiv, Derzhpolitvydav URSR, 1962. 116 p.

[OUR UNITY IS INDISSOLUBLE: sojourn in the U. S. S. R. of Comrade W Ulbricht, First Secretary of the Central Committee of the German Socialist Unity Party, Chairman of the State Council of German Democratic Republic, May 29-June 13, 1964] Nashe edinstvo nerushimo, prebyvanie Pervogo sekretaria TSentral'nogo *Komiteta* Sotsialisticheskoi edinoi partii Germanii, Predsedatelia *Gosudarstvennogo* soveta GDR tovarishcha V. Ul'brikhta v SSSR, 29 maia-13 iiunia 1964 goda. Moskva, Politizdat, 1964. 205 p.

[THE PARTY-STATE CONTROL IN OPERATION] Partiino-*gosudarstvennyi kontrol'* v deistvii. Moskva, Sovetskaia Rossiia, 1964. 155 p.

PERFIL'EV, M. N. [Criticism of bourgeois "theories" of the Soviet state; aid for lecturers] Kritika burzhuaznykh "teorii" o Sovetskom gosudarstve; v pomoshch' lektoru. Moskva, Ob-vo "Znanie," RSFSR, 1964. 31 p.

PISENINA, L. [Party meetings] Partiniai susirinkimai. Vilnius, Valstybine politines ir mokslines litros leidykla, 1964. 49 p. [In Lithuanian]

REUTOV, G. N. [Peace without arms or thermonuclear war? Against the cannibalistic theories of the "madmen" from across the Ocean] Mir bez oruzhiia ili termoiadernaia voina? (Protiv kannibal'skikh teorii zaokeanskikh "beshenykh") Leningrad, Ob-vo "Znanie," RSFSR, 1964. 59 p.

RUMIANTSEV, A. M., ed. [Communists and democracy; materials from the *panel discussion held in the* editorial offices of the journal "Problemy mira i sotsializma," Prague, January 1963] Kommunisty i demokratiia, materialy obmena mneniiami, *sostoiavshegosia* v redaktsii zhurnala "Problemy mira i sotsializma," Praga, ianvar' 1963 g. Prague, Izd-vo "Mir i sotsializm," 1964. 367 p. (Mezhdunarodnye diskussii marksistov)

RUSSIA (1917- R. S. F. S. R.) *Verkhovnyi Sovet. [Meetings* of the Sixth Supreme Soviet of the R. S. F. S. R., session, June 10-11, 1964. Verbatim report] Zasedaniia Verkhovnogo Soveta RSFSR shestogo sozyva; tret'ia sessiia (10-11 iiunia 1964 g.) Stenograficheskii otchet [*Moskva*] Izd. Verkhovnogo Soveta RSFSR, 1964 215 p.

SIDOROV, A. I. [The supreme organ of the CPSU] Verkhovnyi organ KPSS. Moskva, Izd-vo "Mysl'," 1964. 151 p.

UKRAINE. Ministerstvo zakordonnykh sprav. [The *Ukrainian S S.R.* in the international arena; collected documents and materials, 1944-1961] Ukrains'ka *RSR na mizhnarodnii areni*, zbirnyk dokumentiv i materialiv, 1944-1961 rr. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1963. 575 p.

VOLCHENKO, A. V. [From the history of the territorial and administrative division of the Kuznetsk Basin, 1618-1963; a reference aid] Iz istorii administrativno-territorial'nogo deleniia Kuzbassa 1618-1963 gg.; spravochnoe posobie. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1963. 26 p.

VOLKOV, IU. E. [Communism as the bright future of mankind, textbook for students of secondary *special* schools of social sciences] Kommunizm—svetloe budushchee chelovechestva; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Moskva] Vysshaia shkola, 1964. 43 p.

ZIMANAS, G. [Premises and conditions of the development of the Lithuanian socialist nation] Lietuviu socialistines nacijos susiformavimo prielaidos ir *salygos. Vilnius, Valstybine* politines ir mokslines lit-ros leidykla, 1963. 71 p. [In Lithuanian]

7. LAW

BEGICHEV, B. K. [Hiring and dismissal of workers and employees] Priem na rabotu i uvol'nenie rabochikh i sluzhashchikh. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia narodnogo universiteta *pravovykh znanii*)

BOGUSLAVSKII, M. M. [Basic provisions of the patent laws in capitalist countries; stenographic record of a lecture read at a brief seminar] Osnovnye polozheniia patentnogo zakonodatel'stva kapitalisticheskikh stran; stenogramma lektsii, prochitannoi na kratkosrochnom seminare. Leningrad, 1963. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Voprosy patentovaniia i prodazhi litsenzii)

BOGUSLAVSKII, *M. M.* [*Protection* of Soviet priority to achievements in science and engineering and patent procedures for Soviet inventions abroad; materials *from* a brief seminar] Zashchita sovetskogo prioriteta na nauchno-*tekhnicheskie* dostizheniia i patentovanie sovetskikh izobretenii zagranitsei; materialy kratkosrochnogo seminara. Leningrad, 1963. 21 p. (Leningradskii *dom nauchno*-tekhnicheskoi propagandy. Seriia: Voprosy patentovaniia i prodazha litsenzii)

BURLAKA, O. S. [Soviet labor law] Radians'ke trudove zakonodavstvo. Kyiv, Derzhpolitvydav URSR, 1964. 46 p.

GORSKII, G. F. [Disclosure and study of the causes of criminality in pretrial investigation] Vyiavlenie i izuchenie prichin prestupnosti v stadii predvaritel'nogo rassledovaniia. Voronezh, Izd-vo Voronezhskogo univ., 1964. 92 p.

GURVICH, M. A., ed. [Soviet civil procedure law] Sovetskoe grazhdanskoe protsessual'noe pravo. [Podol'sk] Vysshaia shkola, 1964. 536 p.

KIRGHIZ S. S. R. Laws, statutes, etc. [Criminal Code of the Kirghiz S. S. R.] Ugolovnyi kodeks Kirgizskoi SSR. Izd. 2., s izmeneniiami i dopolneniiami, vnesennymi po ianvar' 1964 g. Frunze, 1964. 343 p. [In Kirghiz and Russian]

KLIMKA, ALFONSAS. [Criminal responsibility for crimes against life and health] Baudziamoji atsakomybe uz nusikaltimus gyvybei ir sveikatai. Vilnius, Leidykla "Mintis," 1964. 20 p. (Liaudies teisiu bibliotekele) [In Lithuanian]

KUZNETSOVA, N. F. [Discharge from criminal liability by the transfer of the case to a comrades court] Osvobozhdenie ot ugolovnoi otvetstvennosti s peredachei dela v tovarishcheskii sud. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 93 p.

LATVIAN S. S. R. Laws, statutes, etc. [Criminal Code of the Latvian *Soviet Socialist Republic*] *Latvijas* Padomju Socialistiskas Republikas kriminalkodekss. Riga, Latvijas Valsts izd-ba, 1961. 96 p. [In Latvian]

LATVIAN S. S. R. Laws, statutes, etc. [Criminal Procedure Code of the Latvian Soviet Socialist Republic] Latvijas Padomju Socialistiskas Republikas kriminalprocesa kodekss. Riga, Latvijas Valsts izd-ba, 1961. 131 p. [In Latvian]

LOGINOV, P. V. [Arbitration tribunals in the U. S. S. R., textbook and methodical guide in civil procedure for students in evening courses of the Law Faculty] Treteiskie sudy v SSSR; uchebno-metodicheskoe posobie po grazhdanskomu protsessu dlia studentov vechernego otdeleniia iuridicheskogo fakul'teta. [Moskva] Izd-vo MGU, 1963. 42 p.

MARCHUK, V. M. [Governmental organs of the Ukrainian S. S. R. at the present stage] Organy gosudarstvennogo upravleniia USSR na sovremennom etape. Kiev, Izd-vo "Naukova dumka," 1964. 190 p.

MATYSHEVSKII, P. S. [Liability for offenses against public safety, public order and the health of the public] Otvetstvennost' za prestupleniia protiv obshchestvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniia. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 167 p.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Problems of international law] Voprosy mezhdunarodnogo prava. Moskva, IMO, 1963. 297 p.
(CStmoR)

MOSCOW. UNIVERSITET. [Soviet administrative law; special part] Sovetskoe administrativnoe pravo (osobennaia chast'). Pod red. IU. M. Kozlova. Moskva, IUridicheskaia literatura, 1964. 325 p.

ORYDOROHA, M. T. [Soviet family law] Radians'ki zakony pro sim'iu. Kyiv, Derzhpolitvydav URSR, 1963. 36 p.

PERVUSHIN, A. G., and N. A. SINITSYN. [Rights and duties of the members of collective farms] Prava i obiazannosti chlenov kolkhoza. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 120 p.

PERVUSHINA, A. P. [Contract of renting equipment under Soviet law] Dogovor bytovogo prokata po Sovetskomu pravu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 68 p.

[illegible] [illegible] enter [illegible] predpriiati- [illegible] Kniga [illegible] aktivista, no. [illegible]

[illegible]

6 EDUCATION

[illegible]

[illegible]

9 [illegible] THEATER & MOTION PICTURES

[illegible]

DOBIN, E. S. [Kozintsev and Trauberg: Adventures of Oktiabrina, Devil's wheel, Overcoat, SVD, New Babylon, Alone, Maksim's youth, Maksim's return, Vyborg quarter] Kozintsev i Trauberg, Pokhozhdeniia Oktiabriny, Chertovo koleso, Shinel', SVD, Novyi Vavilon, Odna, IUnost' Maksima, Vozvrashchenie Maksima, Vyborgskaia storona [Leningrad, Iskusstvo, 1963] 253 p. illus
(MH)

DRUSKIN, M. [Foreign musical culture in the second half of the 19th century, essays] Zarubezhnaia muzykal'naia kul'tura vtoroi poloviny XIX veka, ocherki. Moskva, Izd-vo "Muzyka," 1964 97 p (V pomoshch' slushateliam narodnykh universitetov kul'tury: Besedy o muzyke)

DZENE, LILIJA. [Actors of our generation, portraits] Musu paaudzes aktieri, portreti. Riga, Latvijas Valsts izd-ba, 1963. 402 p. [In Latvian]

FEL'TSMAN, OSKAR. [I believe, friends, a collections of songs with accordion accompaniment] IA veriu, druz'ia; sbornik pesen s soprovozhdeniem baiana. Moskva, Voenizdat, 1964. 135 p.

KAVOLIUNAS, VLADAS [A life dedicated to song] Gyvenimas, pasvestas dainai Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 107 p illus (Scenos meistrai) [In Lithuanian]

KHENTOVA, S. M. [Shostakovich, the pianist] Shostakovich — pianist. Leningrad, Muzyka, 1964. 89 p.

KHERSONSKII, KH. N. Vakhtangov. Moskva, Molodaia gvardiia, 1963 358 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 11(367))
(RPB)

KNEBEL', M. O. [Speech as an element of the actor's art] Slovo v tvorchestve aktera. Izd. 2., ispr. i dop. Moskva, Vseros. teatral'noe ob-vo, 1964. 160 p.

KOVALENKO, P. T. [Unforgettable, memoirs of an old actor] Nezabutnie; spohady staroho aktera. Kyiv, Radians'kyi pys'mennyk, 1962. 269 p.
(MH)

KREMLEV, IU. A. [Cognitive role of music] Poznavatel'naia rol' muzyki. Moskva, Muzgiz, 1963. 58 p. (Voprosy estetiki, v pomoshch' slushateliam i prepodavateliam universitetov kul'tury)

KRIUCHECHNIKOV, N. V. [Plot of the screenplay] Siuzhet kinostsenariia. Moskva, Vses. gos. in-t kinematografii.
Pt. 2. 1963. 37 p.

LEBEDEV, D. N. [Performing traditions of Russian opera singers] Ispolnitel'skie traditsii russkikh opernykh pevtsov. Moskva, Muzyka, 1964. 82 p.

LEDAKHOVICH, E. N., ed. [White Russian folk songs of Grodno Province] Belaruskiia narodnyia pesni Hrodzenshchyny. Minsk, Dziarzh. vyd-va BSSR, Red. muzychnai lit-ry, 1962. 114 p.
(MIDW)

L'VOV-ANOKHIN, B. A. Alla Shelest. Moskva, Iskusstvo, 1964. 98 p. illus.

MARTYNOV, I. I. [New things in Soviet music] Novoe v sovetskoi muzyke. Moskva, Izd-vo "Znanie," 1964. 36 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 12)

MOKUL'SKII, S. S., G. N. BOIADZHIEV, and E. L. FINKEL'SHTEIN, eds. [History of the theater in Western Europe] Istoriia zapadnoevropeiskogo teatra. Moskva, Iskusstvo.
Vol. 4. 1964. 666 p

MOROV, ALEKSEI. [Musical Moscow] Moskva muzykal'naia. [Moskva] Mosk. rabochii, 1964. 198 p. illus.

MUSORGSKII, M. P. [Romances and songs] Romansy i pesni. Leningrad, Gos muzyk. izd-vo, 1960. 387 p.
(MoU)

NOSOVA, V. V. Komissarzhevskaia. [Moskva] Molodaia gvardiia, 1964. 333 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 7(382))

NOVODERZHKIN, A. M. [Study of materials, materials for the manufacture of musical instruments] Materialovedenie; materialy dlia proizvodstva muzykal'nykh instrumentov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 303 p.

[100 OPERAS, the story of their creation, the plot, the music] 100 oper, istoriia sozdaniia, siuzhet, muzyka. [By] G. Abramovskii i dr. Leningrad, Muzyka, 1964. 633 p.

ORLOVA, E. M. [B. V. Asaf'ev, his career as investigator and journalist] B. V. Asaf'ev; put' issledovatelia i publitsista. Leningrad, Muzyka, 1964. 460 p.

RASKIN, A. G. [Shaliapin and Russian painters] Shaliapin i russkie khudozhniki. Leningrad, Iskusstvo, 1963. 161 p. illus.
(MH)

[SONGBOOK FOR THE JUNIOR PIONEER] Pesennik oktiabrenka. Moskva, Muzyka, 1964. 92 p.

[THE STAGE] Estrada. Moskva, Izd-vo Sovetskaia Rossiia (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 11)
No. 2. 1964. 131 p.

[THE STAGE; a collection] Estrada; sbornik. Moskva, Sovetskaia Rossiia. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 15)
No. 3. 1964. 118 p.

TARAKHNO, P. G. [Life of a clown; reminiscences. As told to I. A. Bondar'] Zhizn' klouna; vospominaniia. Literaturnaia zapis' I. A. Bondaria. [Simferopol'] Krymizdat, 1963. 206 p.

TIULIN, IU. N. [Short theory course in harmony] Kratkii teoreticheskii kurs garmonii. Izd. 2. Moskva, Muzyka, 1964. 166 p. (V pomoshch' pedagogu-muzykantu)

VACHNADZE, M. A. [Jean Sibelius] IAn Sibelius. Moskva, Sovetskii kompozitor, 1963. 79 p.

ZAKHAROV, V. G. [A hundred Russian folk songs] Sto russkikh narodnykh pesen. Red. tekstov i primechaniia P. Kaz'mina. Moskva, Gos. muzyk. izd-vo, 1958. 330 p.
(NcD) (OkU)

ZAKHAVA, B. E. [Acting and directing skill, textbook for drama schools] Masterstvo aktera i rezhissera; uchebnoe posobie dlia teatral'nykh uchebnykh zavedenii. Moskva, Sovetskaia Rossiia, 1964. 286 p.

ZOLOCHEVS'KYI, V. N. [Melodic and harmonic fundamentals of Soviet Ukrainian music, some problems of nationality] Lado-harmonichni osnovy ukrains'koi radians'koi muzyky, deiaki pytannia narodnosti. Kyiv, Naukova dumka, 1964. 162 p.

10. FINE ARTS

ALKSNIS, ADAMS. Adams Alksnis. Riga, Latvijas Valsts izd-ba, 1964. 51 p. (chiefly illus.) [In 6 languages]

ARANE, N. M. [Engravings by Dürer in the Hermitage] Graviury Diurera v Ermitazhe. Leningrad, Izd-vo "Sovetskii khudozhnik," 1964. 34 p. illus.

[ART; painting, sculpture, graphic arts, applied art] Daile; tapyba skulptura, grafika, taikomoji daile. [Kaunas, Valstybine grozines lit-ros leidykla, 1961] 55 p. illus. [In Lithuanian]

ASHKHABAD. GOSUDARSTVENNYI
TEL'
the T
zitel'
izd-v
(M

BASHCHENKO, R. D. Konstantin Fedorovich Bogaevskii Simferopol', Krymizdat, 1963. 53 p.
(MH)

BOGDANOV, A. A. [Visiting artists in the country of the Nile] U khudozhnikov strany Nila. Leningrad, Iskusstvo, 1964. 94 p. illus.

IANITSKII, O. N. [City planning and everyday life] Gradostroitel'stvo i byt. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet. Fakul'tet literatury i iskusstva, no. 7)

JURENAS, E. [For the beginner in the graphic arts] Pradedanciajam grafikui. Vilnius, Lietuvos TSR kulturos Ministerija Liaudies meno rumai, 1963. 33 p. 24 plates [In Lithuanian]

KOLOTOV, M. G. [St. Isaac's Cathedral] Isaakievskii sobor. Leningrad, Stroiizdat, 1964. 94 p. (K 400-letiiu knigopechataniia v Rossii)

KOROMYSLOV, B. I. [Klykov's boxes] Shkatulki Klykova. [Moskva] Gosmestpromizdat, 1962. 19 p. plates (O masterakh i masterstve)
(MH)

KOZLOV, A. M. [Party character is the foundation of Soviet fine arts] Partiinost' - osnova sovetskogo izobrazitel'nogo iskusstva. Leningrad, Khudozhnik RSFSR, 1963. 92 p. (V pomoshch' esteticheskomu vospitaniiu)

KRASNODAR. KHUDOZHESTVENNYI MUZEI. [Catalog of the personal exhibition of the works of M. A. Pavlova] Katalog personal'noi vystavki proizvedenii M. A. Pavlovoi. Krasnodar, 1961. 21 p. plates.
(MH)

KRESAL'NYI, N. I. [The St. Sophia Shrine in Kiev; monument of 11th to 18th century architecture] Sofiiskii zapovednik v Kieve; pamiatnik arkhitektury XI-XVIII vv. 3., isp. izd. Kiev, Gosstroiizdat, 1964. 40 p. illus. (Pamiatniki arkhitektury Ukrainskoi SSR)

KULIKOVA, I. S. [Bourgeois aesthetics is the enemy of art; from cubism to "art of the absurd"] Burzhuaznaia estetika - vrag iskusstva; ot kubizma do "iskusstva absurda." Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 13)

LENINGRADSKII ZAVOD KHUDOZHESTVENNYKH KRASOK. [Handbook-catalog; artists' paints, oils, lacquers thinners] Katalog-spravochnik; khudozhestvennye kraski, masla, laki, razbaviteli. Leningrad, 1964. 113 p. illus.

MILIAIEVA, L. S., and H. N. LOHVYN. [Ukrainian art from the 14th to the first half of the 17th century] Ukrains'ke mystetstvo XIV- pershoi polovyny XVII st. Kyiv "Mystetstvo," 1963. 100 p. (Besidy z istorii mystetstva)

MOSCOW. ARKHITEKTURNYI INSTITUT. Fakul'tet promyshlennogo stroitel'stva. [Architectural design of industrial buildings and structures] Arkhitekturnoe proektirovanie promyshlennykh zdanii i sooruzhenii. Moskva, Stroiizdat, 220 p.

MOSCOW. GOSUDARSTVENNYI ISTORICHESKII MUZEI. [Catalog of Russian enamels on gold and silver articles; collection of the State Historical Museum and its branches] Katalog russkikh emalei na zolotykh i serebrianykh izdeliiakh; sobraniia Gosudarstvennogo Istoricheskogo muzeia i ego filialov. Moskva [Sovetskaia Rossiia] 1962. 175 p. plates.
(MH)

MUNIN, A. N. [The North and artists] Sever i khudozhniki. [Vologda] Vologodskoe knizhnoe izd-vo, 1964. 165 p.

NIKIFOROV, B. M. [Theme of work in Soviet art] Tema truda v sovetskom iskusstve. Moskva, Iskusstvo, 1964. 44 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

LANGUAGE, LITERATURE & FOLKLORE

BLYNSKII, D. I. [Verse and poems] Stikhi, poemy. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 96 p.
(MH)

BORDZHAKOV, SHAKHBER. [Koturtepe notebook, verse] Goturtepe depderi, goshgular. Ashgabat, Turkmenistan, dovlet neshiriaty, 1963. 97 p. [In Turkmen]

BRAGIN, A. I. [Earth and a heart] Zemlia i serdtse. [Moskva] Moskovskii rabochii, 1963. 107 p.
(MH)

BRAILOVSKII, ARNOL'D. [We'll have time to get tired later, stories and a tale] Potom my uspeem ustat', rasskazy, povest'. Minsk, Gos. izd-vo BSSR, 1963. 219 p.
(NIC)

BRIANTSEV, G. [On thin ice. A drama in three acts by M. Beregova and F. Ryzhova based on motifs from G. Briantsev's novel of the same name] Po tonkomu l'du. Drama v trekh deistviiakh M. Beregovoi i E. Ryzhovoi po motivam odnoimennogo romana G. Briantseva. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 73 (i.e. 39) p.

BRIUSOV READINGS IN 1962. [Briusovskie chteniia 1962 goda. Erevan, Armianskoe gos. izd-vo, 1963. 414 p.

BROUKA, PIATRUS. [At our springs, verse and poems] U rodnykh krinits, stikhotvoreniia i poemy. [Moskva, Gos. izd-vo khudozh. lit-ry, 1963] 493 p.
(LiU)

BUCYS, ALGIMANTAS. [Clanging bricks, poems] Prie skambančių plytų, eilėraščiai. Vilnius, Valstybinė grožinės lit-ros leidykla, 1963. 30 p. (Pirmoji knyga) [In Lithuanian]

BURLAK, B. S. [Bastion of Riga, a novel] Rizhskii bastion, roman. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 485 p.
(MH)

[BY THE LIGHT OF DAY, staged stories of Soviet writers] *Pri svete dnia*, instsenirovannye rasskazy sovetskikh pisatelei. Moskva, Sovetskaia Rossiia, 1964. 138 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 14)

CHABANIVS'KYI, M. I. [Half an hour before happiness, tales] Za pivhodyny do shchastia, povisti. Kyiv, Molod', 1963. 335 p.
(MH)

CHEKHOV, A. P. [Collected works in twelve volumes] Sobranie sochinenii v dvenadtsati tomakh. Pod obshchei red. *V. V. Ermilova i dr. Moskva, Goslitizdat.*
Vol. II. [Letters, 1877-1892] Pis'ma, 1877-1892. 1963. 695 p.

CHERNOV, V. M. [Rock *of Arak, a novel*] Arakii kamen'; roman. Moskva, Voenizdat, 1964. 310 p.

CHERNYI, O. E. [Forgotten motifs, tales and stories] Zabytye motivy, povesti i rasskazy. Moskva, Sovetskii pisatel', 1963. 445 p.
(MH)

CHISTIAKOVA, E. V. [Vasilii Us, comrade at arms of Stenka Razin, teacher's manual] Vasilii Us, spodvizhnik Stepana Razina, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 75 p.
(MH)

CHUBAKOVA, V. S. [I want to be happy, tales] Khochu byt' schastlivoi; povesti. Moskva, Sovetskaia Rossiia, 1963. 383 p.
(MH)

DALEKII, N. A. [Spring days, Girl friends, Stories of various years, True stories, *A room over a restaurant*] Vesennie dni, Podrugi, Rasskazy raznykh let, Byli, Komnata nad restoranom. L'vov, Knizhno-zhurnal'noe izd-vo, 1963. 541 p.
(MH)

[THE DEATH OF A YANKEE] Smert' odnogo IAnki [By] Van Ngok i dr. Hanoi, Izd-vo lit-ry na inostr. iazy*kakh, 1964. 150 p.*

DEDIUKHIN, B. V. [Happiness finds you, tale] Schast'e tebia naidet, povest'. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1963. 181 p.

DEL'VIG, A. A. [Verse] Stikhotvoreniia. Vstup. stat'ia, podgotovka teksta i primechaniia I. V. Isakovich. Leningrad, [Sovetskii pisatel'] 1963. 383 p. (Biblioteka poeta, malaia seriia, 3. izd.)
(IaU)

DMITRIEV, O. M. [Vistas and glades, verse] Prospekty i proseki, stikhi. Moskva, Sovetskii pisatel', 1963. 91 p.
(MH)

DOLMATOVSKII, E. A. [Love of people not so young, verse] Liubov' nemolodykh liudei, stikhi. Moskva, Izd-vo "Pravda," 1964. 30 p. (Biblioteka "Ogonek," no. 27)

DOLMATOVSKII, E. A. [Verse about us] Stikhi o nas. Moskva, Sovetskii pisatel', 1964. 147 p.

DONDUKOV, U.-ZH. SH. and E. G. PAKHUTOVA. [Textbook of the Buryat language for students who know Russian] Uchebnik buriatskogo iazyka dlia znaiushchikh russkii iazyk. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 173 p.
(NjP)

DORIZO, N. K. [Selected works] Izbrannoe. Moskva, *Goslitizdat, 1963. 222 p.*
(MH)

DOSH, A. A. [I believe in you, a tale] Veriu v tebia; povest'. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. *lit-ry, 1963. 117 p.*
(NIC)

DUVAKIN, V. D. [Happiness forged by a master, essays on the works of V. V. Maiakovskii] Radost', masterom kovannaia; ocherki tvorchestva V. V. Maiakovskogo. Moskva, Sovetskii pisatel', 1964. 442 p.

[EARTH, MY HEART, verse and stories] Serdtse moe, zemliia; stikhi i rasskazy. [Kursk, Kurskoe knizhnoe *izd-vo] 1963. 158 p.*
(MH)

EFREMOV, O. N. [Without a cross! A tragedy in two acts based on motifs from V. Tendriakov's tale "Miracle worker"] Bez kresta! Tragediia v dvukh deistviiakh, po motivam povesti V. Tendriakova "Chudotvornaia." Otv. red. V. Malashenko. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 97 (i.e. 49) p.

EGOROV, A. A. [Petr Zamoiskii and his works] Petr Zamoiskii i ego tvorchestvo. [Moskva] Mosk. rabochii, 1964. 99 p.

EGOROV, G. V. [You are salty, earth; an historical novel] Solona ty, zemlia; istoricheskii roman. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 409 p.
(MH)

ELOVSKIKH, V. I. [First days; stories, and a tale] Pervye dni; rasskazy, povest'. Moskva, Sovetskii pisatel', 1963. 251 p.
(IaU) (MH)

EMIN, KEVORK. [Verse. Translated from the Armenian] Stikhi. Moskva, Khudozh. lit-ra, 1963. 286 p. (Biblioteka sovetskoi poezii)
(MH)

ERENDZHENOV, KONSTANTIN. [Flaming tulips; verse and poems. Translated from the Kalmyk] Pylaiushchie tiul'pany; stikhi i poemy. Moskva, Sovetskii pisatel', 1963. 95 p.
(MH)

[EVENING OF RUSSIAN POETRY AND MUSIC] Vecher Russkoi poezii i romansa. Moskva, Izd-vo "Iskusstvo," 1964. 212 p.

EZERA, REGINA. [They were three; a novel] Viņas bija trīs, romāns. Rīga, Latvijas valsts izd-ba, [illegible] 394 p. [In Latvian]
(MH)

FADEEV, A. A. [Defeat, Last of the Udege] Razgrom. Poslednii iz Udege. Moskva, "Izvestiia," 1964. [illegible] (Biblioteka "Piat'desiat let sovetskogo romana")

FAL'KOVICH, M. M. [The most frequently used words in English; for language institutes. Textbook for students enrolled in courses 1-5 of institutes and faculties of foreign languages] Leksicheskii minimum po angliiskomu iazyku, dlia iazykovykh vuzov. Uchebnoe posobie dlia studentov I-V kursov institutov i fakul'tetov inostrannykh iazykov. Izd. 2. Moskva, Vysshaia shkola, 1964. 338 p.

FESENKO, A. IA. [Blossom time; stories] Vremia tsveteniia; rasskazy. [Moskva] Mosk. rabochii, 1964. 182 p.
(MH) (NIC)

GADZHIBEKOV, UZEIR. [Works in ten volumes] [illegible]lori on childe. Baky, Azerbaichan SSR Elmler Akademiiasy neshriiiaty. [In Azerbaijani]
Vol. 1. 1964. 318 p.

GAMZATOV, RASUL. [And a star talks with another star; new verse. Translated from the Avaric] I zvezda s zvezdoiu govorit; novye stikhi. Moskva, Sovetskaia Rossiia, 1964. 142 p.

GARIN-MIKHAILOVSKII, N. G. [Collected works in five volumes] Sobranie sochinenii v piati tomakh. Moskva, Goslitizdat.
Vols. 3-5. 1957-1958. 3 v.

[GAY WORD; satire and humor for the stage] Veseloe slovo; satira i iumor dlia estrady. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1960. 153 p.
(NIC)

GIEDRA, VINCAS. [Dew on crowfoots] Rasos ant [illegible] Vilnius, Valstybinė grožinės lit-ros leidykla, 1964. 1 v. [In Lithuanian]

GILENSON, P. G. [Method of technical editing] Metodika tekhnicheskogo redaktirovaniia. Moskva, Izd-vo "Kniga," 1964. 186 p.

GIRA, LIUDAS. [Little falcons are not checkered] Ne margi sakalėliai. Vilnius, Valstybinė grožinės lit-ros leidykla, 1963. 62 p. [In Lithuanian]

GLAZOV, G. B. [I live on earth; lyrics] Zhivu na zemle; lirika. L'vov, Knizhno-zhurnal'noe izd-vo, 1963. 82 p.
(MH)

GOLUBEV, E. P. [Ualo Alomu finds some friends, adventure tale] Ualo Alomu nakhodit druzei; prikliuchencheskaia povest'. [Kostroma] Kostromskoe knizhnoe izd-vo, 1963. 85 p.
(MH)

GOLUBEV, G. N. [On the tracks of the wind] Po sledam vetra. [Moskva] Molodaia gvardiia, 1963. 156 p. illus. (Fantastika, puteshestviia, prikliucheniia)
(NIC)

GORBACHEV, N. A. [Rockets and snowdrops; a tale] Rakety i podsnezhniki; povest'. Moskva, Voenizdat, 1963. 199 p.

GORBUNOV, G. I. [Eagle flight; a tale] Orlinyi vzlet; povest'. IAroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 192 p.

GOR'KII, MAKSIM. [Collected works in eighteen volumes] Sobranie sochinenii v vosemnadtsati tomakh. Moskva, Goslitizdat. (Biblioteka klassikov russkoi literatury)
Vols. 6-12, 13-18. 1961-1963. 13 v.

GORLIN, RAISSA (BLOCH), and MIKHAIL GORLIN. [Selected verse] Izbrannye stikhotvoreniia. Paris, Rifma, 1959. 95 p.
(InU)

GORNO-ALTAYSK. NAUCHNO-ISSLEDOVATEL'SKII *INSTITUT ISTORII, IAZYKA I LITERATURY.* [Russian-Altai dictionary. Approximately 33,000 words] Russko-altaiskii slovar'. Pod red. N A. Baskakova Okolo 33000 slov. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 875 p.

GORYSHIN, G. A. [The Earth with a capital letter, tales and stories] Zemlia s bol'shoi bukvy, povesti i rasskazy. Moskva, Sovetskii pisatel', 1963. 302 p.
(NIC)

GRANIN, DANIIL. [I'm going out into the storm. Staging in three acts by M. Volobrinskii, R. Rubinshtein, and M. Sulimov of the novel of the same name] Idu na grozu. Instsenirovka v trekh deistviiakh M. Volobrinskogo, R. Rubinshteina, M. Sulimova odnoimennogo romana. Otv. red. I. TSionskii. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 98 (i. e. 49) p.

["THE GREAT AMERICAN PIE COMPANY" AND OTHER SATIRICAL STORIES BY MODERN AMERICAN WRITERS. Translated from the English] Koroli pirogov i drugie satiricheskie rasskazy sovremennykh amerikanskikh pisatelei. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no. 20)

GULIAM, KHAMID. [First swallows, a novel. Translated from the Uzbek] Pervye lastochki; roman. Moskva, Sovetskii pisatel', 1963. 636 p.
(MH)

GURNOV, B. A. [Enlightenment; documentary tale] Prozrenie; dokumental'naia povest'. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 11)

[HANDSHAKE; verse] Rukopozhatie, stikhi. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 66 p.
(MH)

HERTSEN, A. I. [Collected works in thirty volumes] Sobranie sochinenii v tridtsati tomakh. Moskva, Izd-vo "Nauka,"
Vol. 30. [Letters, 1869-1870. Supplements to the edition] Pis'ma 1869-1870 godov. Dopolneniia k izdaniiu.
Book I. 1964. 474 p.

[HUMOR, SATIRE, AND MATERIAL FOR A MASTER OF CEREMONIES] IUmor, satira, konferans; repertuarnyi sbornik. Moskva, Voenizdat.
No. 2. 1964. 149 p.

IANOVSKII, A. N. [Silver cigarette case; stories and tales] Serebrianyi portsigar; rasskazy i povesti. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 166 p.
(MH)

INAYAT ALLAH, d. ca. 1671. [Book about faithful and unfaithful wives or, "Bekhar-e danesh." Translated from the Persian] Kniga o vernykh i nevernykh zhenakh ili "Bekhar-e danesh." Moskva, Izd-vo "Nauka," 1964. 399 p.

[INDONESIAN-RUSSIAN SCHOOL DICTIONARY. 7,000 words] Indoneziisko-russkii uchebnyi slovar', *7000 slov.* Sost. A. S. Teselkin i A. P. Pavlenko. S prilozheniem kratkogo grammaticheskogo ocherka russkogo iazyka, sost. A. S. Teselkinym. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 577 p.

INGUL, V. [Chains and wings; verse] TSepi i kryl'ia; stikhi. [n. p.] Izd. R. N. O. Bel'giia [196-?] 103 p.
(CtY)

IROSHNIKOVA, I. I. [Hard summer, a tale] Trudnoe leto, povest'. Moskva, Sovetskii pisatel', 1964. 237 p.

IUBILEINAIA GONCHAROVSKAIA KONFERENTSIIA, Ulyanovsk, 1962. [Materials of the Jubilee Goncharov Conference] Materialy. Ul'ianovsk, Ul'ianovskii obl. kraevedcheskii muzei im. I. A. Goncharova, 1963. 317 p.

IVANENKO, V. T. [Val'ka from Rostov; a tale and stories] Val'ka iz Rostova; povest' i rasskazy. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 185 p. illus.
(MH)

IVANOV, A. S. [Shadows disappear at noon, a novel] Teni ischezaiut v polden', roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 2 v. (Roman-gazeta, nos. 8(308)—9(309))

IVANOV, L. I. [Fresh stream] Svezhaia struia. Omsk, Omskoe knizhnoe izd-vo, 1963 227 p.
(NIC)

IVANOV, P. P. [Methods of studying phonetics in the fifth grade] Metodika izucheniia fonetiki v V klasse. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1964. 95 p.

IVANTER, NINA. [Young man. Play in three acts, ten scenes] Molodoi chelovek. P'esa v 3 deistviiakh, 10 kartinakh. Otv. red. N. Morgunova. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 101 (i. e. 50) p.

IUKHNIN, VASILII [Tundra lights; a novel Translated from the Komi] Ogni tundry; roman. Syktyvkar, Komi knizhnoe izd-vo, 1963. 457 p
(MH)

JUDELEVICIUS, DOVIDAS. [Soviet Lithuanian poetry] Tarybine lietuviu poezija. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963 51 p (I pagalba liaudies kulturos universitetams) [In Lithuanian]

KAGRAMANOV, D. V., ed. [Asrarname; a photo facsimile, glossaries, and commentaries] Esrarname, eliazmasynyn fotofaksimile, sozluk ve izahaty. Baky, Azerbaichan SSR Elmler Akademiiasy Neshriiiaty, 1964. 145, 55a [In Azerbaijani, and Persian]

KALADZE, K. R. [Pages of rock; verse of various years. Authorized translation from the Georgian] Stranitsy skal; stikhi raznykh let. Moskva, Izd-vo "Pravda," 1964. 30 p. (Biblioteka "Ogonek," no. 6)

KAL'MA, A. I. [Ferney rooks, a novel] Verneiskie grachi, roman. [Moskva] Molodaia gvardiia, 1964. 397 p. (Tebe v dorogu, romantik)

KARPEKO, V. K. [This is what my planet is like; verse] Takaia moia planeta; stikhi. Moskva, Sovetskii pisatel', 1963. 138 p.
(MH)

KASPEROVICH, IGOR'. [Singing steps; verse] Poiushchie stupen'ki; stikhi. Minsk, Gosizdat BSSR, 1963. 41 p.
(MH)

KAVERIN, V. A. [Collected works] Sobranie sochinenii. Moskva, Gos. izd-vo khudozh. lit-ry, 1963- 6 v.
(NcD)

KAZAKOV, S. M., and M. LASKOV. [Life is given only once; a documentary tale] Zhizn' daetsia raz; dokumental'naia povest'. [Dnepropetrovsk] Zaporozhskoe knizhnoe izd-vo, 1962. 89 p.
(NIC)

KELDYSH, V. A. [Problems of prerevolutionary proletarian literature; Gor'kii and Russian revolutionary poetry] Problemy dooktiabr'skoi proletarskoi literatury; Gor'kii i russkaia revoliutsionnaia poeziia. Moskva, Izd-vo "Nauka," 1964. 237 p.

KHALVASHI, FRIDON. [Lyrics. Translated from the Georgian] Lirika. [Moskva, Goslitizdat, 1963] 197 p.
(MH)

KHARITONOV, V. G. [Remember everything good; verse, songs, parodies] Zapomni vse khoroshee; stikhi, pesni, parodii. [Moskva] Moskovskii rabochii, 1963. 246 p.
(MH)

KHAZRI, NABI. [Lyrics. Translated from the Azerbaijani. Moskva, Goslitizdat, 1963] 226 p.
(MH)

KHLEBNIKOV, G. N. [The web; a tale] Pautina; povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 110 p.
(MH)

KHOMENTOVSKAIA, A. I. [Lorenzo Valla, great Italian humanist] Lorentso Valla - velikii ital'ianskii gumanist. Moskva, Izd-vo "Nauka," 1964. 146 p. (Nauchno-populiarnaia seriia)

KHRAMOV, E. L. [Color sense; verse] Oshushchenie tsveta, stikhi. Moskva, Sovetskii pisatel', 1963. 85 p.
(NIC)

KHRENKOV, A. V. [Leningrad notebooks of Aleksei Dubravin] Leningradskie tetradi Alekseia Dubravina. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1964. 422 p.

KHRILEV, L. S. [Spring thirst; lyrics] Vesenniaia zhazhda; lirika. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963 102 p
(MH)

KHUDIAKOV, A. P. [Thus life began; a tale] Tak nachinalas' zhizn'; povest'. Moskva, Sovetskaia Rossiia, 1962. 131 p.
(NIC)

KHUZANGAI, P. P. [Great heart; verse and poems. Velikoe serdtse, stikhotvoreniia i poemy] Cheboksary, [Chuvashskoe gos. izd-vo, 1963] 148 p. [In Chuvash]
(MH)

KLEMANOV, IU. A. [Blond rogue. A heroic comedy in three acts with a prologue and epilogue] Belokuraia bestiia. Geroicheskaia komediia v trekh aktakh s prologom i epilogom. Otv. red. V. Malashenko. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 99 (i. e. 49) p.

KLESHCHENKO, A. D. [When the fog lifts; tales and stories] Kogda raskhoditsia tuman, povesti i rasskazy. [Moskva] Molodaia gvardiia, 1963. 331 p.
(MH) (IaU)

KOBYLETS'KYI, IU. S. [Shevchenko and Franko] Shevchenko i Franko. Kyiv, Derzhlitvydav Ukrainy, 1964. 124 p.

KOLOSOV, P. I. [Exercises in vocabulary and style; materials for lessons in and outside the classroom for pupils in grades 5-8] Slovarno-stilisticheskie uprazhneniia, materialy dlia raboty na urokakh i na vneklassnykh zaniatiiakh s uchashchimisia V-VIII klassov. Moskva, Izd-vo "Prosveshchenie," 1964. 219 p. (Pedagogicheskaia biblioteka uchitelia)

KORENEV, V. V. [Shaman-Kosa, tales] Shaman-Kosa; povesti. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 108 p.
(MH)

KORZUN, L. I. [They are always in front] Oni vsegda vperedi. Moskva, Izd-vo DOSAAF, 1963. 88 p.
(NIC)

KOSHELIVETS', IVAN. [Present day literature in the Ukrainian S. S. R.] Suchasna literatura v URSR. [New York] Vyd-vo Prolog, 1964. 378 p.
(CtY)

KOSMAN, L. S., and E. P. MOLODTSOVA. [The most frequently used words in German] Leksicheskii minimum nemetskogo iazyka. [Moskva] Vysshaia shkola,
No. 2. [For correspondence students enrolled in courses 4-6 of institutes and schools of foreign languages] Dlia studentov-zaochnikov (IV-VI kursov) institutov i fakul'tetov inostrannykh iazykov. 1964. 70 p.

KOSTIN, I. I. [A man lived; essays and stories] Zhil chelovek; ocherki i rasskazy. Kiev, Molod', 1963. 186 p.
(MH)

KOSTIUKOVSKII, B. A. [The fate of a friend; a tale] Sud'ba druga. Moskva, Sovetskaia Rossiia, 1963. 175 p. (*Liudi Sovetskoi Rossii*)
(MH)

KOSTROV, V. A. [First snow; verse] Pervy sneg, stikhi. Moskva, Sovetskii pisatel', 1963. 74 p.
(MH)

[illegible] Igrallo [illegible], iumoristicheskie rasskazy. Moskva, Sovetskii pisatel', 1963. 254 p.
(MH)

KOZHEVNIKOV, N.I. [By the laws of beauty, sketches and stories] Po zakonam krasoty, ocherki i rasskazy. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1964. 310 p.

KOZHUKHOVA, O.K. [Do not talk at random, a tale] Ne brosai slov na veter, povest'. [Moskva, Molodaia gvardiia, 1964] 133 p.
(MH)

KRASNOV, N.V. [Heroes and the people, on Lev Tolstoi's novel "War and peace"] Geroi i narod, o romane L'va Tolstogo "Voina i mir." Moskva, Sovetskii pisatel', 1964. 294 p.

KRASNITSKYI, D.F. [illegible] Kyiv, Vyd-vo "Molod'," 1964. 100 p.

KRIVANCHIKOV, N.G. [illegible, verse] K solntsu, stikhi. Moskva, Sovetskii pisatel', 1964. 99 p.
(MH)

KRIVENKO, I.I. [illegible] Kyiv, Derzhlitvydav, 1963. 264 p.
(MH)

KRYLOV, G.I. [illegible, verse] [illegible], stikhi. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 96 p.
(NIC)

KUDASHEVA, A.I., comp. [illegible] reader for the blind and [illegible] kniga dlia vneklassnogo chteniia [illegible] Moskva, Izd-vo "Prosveshchenie," 1964. 134 p.

KUGULTINOV, D.N. [illegible] Elista, Kalmytskoe knizh. izd-vo, 1962. 131 p. [In Kalmyk]
(MH)

KULESHOV, V.I. [illegible, verse] [illegible] stikhi. Moskva, Sovetskii pisatel', 1964. 91 p.
(MH)

KULIADIS, V.V. [illegible] 1963. 171 p.
(MH)

KULYK, D.M. [illegible] Kyiv, Radians'ka shkola, 1963. 180 p.

KURLIAK, PAVLO [illegible] roman. Kyiv, Derzhlitvydav, 1963. 368 p.
(MH)

KUSIKOV, P.P. [illegible] stikhi. Moskva, Izd-vo "Pravda," 1964. 32 p. (Biblioteka "Ogonek," no. [illegible])

KUZNETSOVA, AGNIIA [Many roads in life, a short story. Translated by M. [illegible]] [illegible] Riga, Latvijas Valsts izd-va, 1964. 237 p. [In Latvian]

KVITKO, LEIB [The little violin] Skripochka. Moskva, Gos. izd-vo detskoi lit-ry, 1950. 16 p. [illegible]
(MH)

LACIS, VILIS [Rocky road, a novel] Akmeņainais ceļš, romāns. Riga, Latvijas Valsts izd-ba, 1956. 384 p. [In Latvian]

LATVIJAS [illegible] Riga, [illegible] 1963. 275 p. [In Latvian [illegible]]

LAVRENEV, VIKTOR [illegible]

LAZUTIN, I.G. [illegible] roman. Moskva, [illegible] 454 p.
(NIC)

[illegible]

[illegible]
(MH)

[illegible]

[illegible]

[illegible]
(MH)

[illegible]

[illegible]

[illegible]
(MH)

[illegible]

[illegible]

[illegible]

L'VOV, V.D. [From the beginning of [illegible], verse] [illegible] Moskva, Sovetskii pisatel', 1963. 183 p.
(MH)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

PUSHKIN, A. S. [Complete collected works in ten volumes] Polnoe sobranie sochinenii v desiati tomakh. Izd. 3. Moskva, Izd-vo "Nauka".
Vol. 5. [Evgenii Onegin. Dramatic works] Evgenii Onegin. Dramaticheskie proizvedeniia. 1964. 637 p.

RAIYMBEKOV, ABULAKAP. [Son of a mountain, poems and verse. Syn gory. Alma-Ata, Kazgoslitizdat] 1963. 52 p. [In Kazakh]
(MH)

RANNET, EGON. [The geese, a play in six scenes] Haned, kuus pilti vahekitdudega. Tallinn, Eesti Raamat Kirjastus, 1964. 83 p. [In Estonian]

RAUD, MART. [Works] Teosed. Tallinn, Eesti Riiklik Kirjastus
Vol 2. [The hatchet and the moon. The market, novels] Kirves ja kuu. Turg, romaanid. 1963. 517 p. [In Estonian]

REVENKO, ARKADII. [At the microphone, our correspondent] U mikrofona nash korrespondent. Moskva, Gos. komitet Soveta Ministrov SSSR, 1964. 95 p.

ROMANOV, A. A. [Beyond a birch sea; lyrical verse] Za morem berezovym, liricheskie stikhi. Moskva, Sovetskaia Rossiia, 1963. 95 p. (Poeticheskaia Rossiia)
(MH)

ROSLIAKOV, V. P. [An ordinary story, a tale in letters] Obyknovennaia istoriia, povest v pis'makh. Moskva, Sovetskaia Rossiia, 1963. 70 p. (Korotkie povesti i rasskazy)
(MH)

ROSOKHOVATSKII, I. M. [Meeting in time, science fiction stories] Vstrecha vo vremeni, nauchno-fantasticheskie rasskazy. Kiev, Molod', 1963. 78 p.
(NIC)

RUDAKOV, E. P. [Two millionaires. A comedy in four acts based on motifs from Maiju Lassil's tale "Risen from the dead"] Dva millionera. Komediia v chetyrekh deistviiakh po motivam povesti Maiju Lassila "Voskresshii iz mertvykh." Otv. red. B. Emel'ianov. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 95 (i. e. 47) p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia [Programs for eight-year schools, Russian language and literature] Programmy vos'miletnei shkol., russkii iazyk i literatura. Moskva, Prosveshchenie, 1964. 74 p.

RYBOCHKIN, A. I. [Leaves in crimson; verse and a poem] List'ia v bagriantse; stikhi i poema. Moskva, Sovetskii pisatel', 1963. 91 p.
(MH)

RYL'S'KYI, M. F. [Il'ich and a little girl] Illich i divchynka. Kyiv, Dytvydav, 1963. 11 p.

RYVLIN, A. I. [Impatience, verse] Neterpen'e; stikhi. Moskva, Sovetskii pisatel', 1963. 142 p.
(MH)

SAAKIAN, A. D. [We're together.. My vmeste.. Erevan, Armianskoe gos. izd-vo] 1964. 85 p. [In Armenian]

SADYKOV, ADYKADYR. [Reflection of the ideas of friendship of peoples and proletarian internationalism in Soviet Kirghiz literature] Kyrgyz sovet adabiiatynda el dostugu zhana proletardyk internatsionalizm idealarynyn korunushu. Frunze, Kyrgyz SSR Ilimder Akademiiasynyn Basmasy, 1963. 78 p. [In Kirghiz]

SAJA, K. [George on the roof, in Palanga and elsewhere; a humorous adventure story] Jurgis ant stogo, Palangoj ir kitur; humoristine nuotykiu apysaka. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 197 p. [In Lithuanian]

SAMOILOV, D. S. [Second mountain pass; verse] Vtoroi pereval; stikhi. Moskva, Sovetskii pisatel', 1963. 122 p.
(MH)

SAMOILOV, DAVID. [Poets of the present day; verse of foreign poets translated by D. Samoilov] Poety sovremenniki, stikhi zarubezhnykh poetov v perevode D. Samoilova. Moskva, Izd-vo inostr. lit-ry, 1963. 146 p. (Mastera poeticheskogo perevoda, no. 1)
(MH)

SANGADZHIEVA, B. B. [Happiness, collection of verse and poems. Schast'e, sbornik stikhov i poem. Elista, Kalmytskoe gos. izd-vo] 1962. 98 p. [In Kalmyk]
(MH)

SARSENBAEV, ABU. [Captain's son, a tale. Translated from the Kazakh] Syn kapitana, povest. Alma-Ata, Kazgoslitizdat, 1963. 150 p.
(MH)

SARTAKOV, S. V. [Captain in coastwise navigation] Kapitan blizhnego plavaniia. Moskva, Izd-vo "Pravda," 1964. 46 p. (Biblioteka "Ogonek," no. 26)

SAVOSTIN, N. S. [Verse] Stikhi. Kishinev, Kartia moldoveniaske, 1963. 150 p.
(MH)

SAVOV, S. M. [Heroic revolutionary drama of Bulgaria, 1944-1960] Geroiko-revoliutsionnaia drama Bolgarii (1944-1960). Moskva, Izd-vo "Nauka," 1964. 92 p.

SEITOV, SAGINGALI. [Towards the heights, verse. K vysotam; stikhi. Alma-Ata, Kazgoslitizdat] 1963. 94 p. [In Kazakh]
(MH)

SEMENOV, IU. S. [38 Petrovka Street; tales and stories] Petrovka, 38; povesti i rasskazy. [Moskva] Molodaia gvardiia, 1964. 366 p.
(MH)

SEMENOV, IU. S. [38 Petrovka Street. (three from the criminal investigation department). Report in two parts] Petrovka 38 (troe iz ugolovnogo rozyska). Reportazh v dvukh chastiakh. Otv. red. V. Malapenko. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 69 (i. e. 34) p.

SEMENOV, M. G. [Censure of a smile, humorous stories and feuilletons] Poritsanie ulybki, iumoristicheskie rasskazy i fel'etony. Moskva, Izd-vo "Pravda," 1964. 45 p. (Biblioteka "Ogonek," no. 23)

SEMERNIN, V. N. [Drawing on asphalt; verse] Risunok na asfal'te, stikhi. [Moskva] Mosk. rabochii, 1964. 135 p.

SHALAGINOV, V. K. [As it sometimes happens...] Kak inogda byvaet... Moskva, Voenizdat, 1964. 44 p. (Biblioteka soldata i matrosa)

SHAMIAKIN, I. P. [Heart in hand] Serdtse na ladoni. Moskva, Izd-vo khudozh. lit-ra, 1964. 2 v. (Roman-gazeta, nos. 10(310)-11(311))

SHCHEGLOV, P. I. [About the most precious; verse] O samom dorogom; stikhi. Kiev, Radians'kyi pys'mennyk, 1963. 78 p.
(MH)

SHEVCHENKO, T. H. [Haidamaks; dramatization in three acts by Les' Kurbas] Haidamaky, instsenizatsiia na 3 dii Lesia Kurbasa. Red. V Vasil'ka. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1964. 104 p.

SHEVCHENKO, T. H. [Verse, 1847-1861] Poezii, 1847-1861. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 630 p.
(MH)

SHEVERDIN, M. I. [Shadows of the desert; a novel] Teni pustyni; roman. Tashkent, Goslitizdat UzSSR, 1963. 2 v.
(MH)

SHEVTSOV, A. S. [Consider yourself closer to danger; a tale] Schitai sebia blizhe k opasnosti; povest'. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 159 p.
(MH)

SHISHKAN, K. B. [Ocean of trouble] Okean trevog. [Kishinev] Kartia moldoveniaske, 1963. 77 p.
(MH)

SHISHKOVA, L. M. [Girl friends; a tale] Podrugi; povest'. [Krasnodar] Krasnodarskoe knizhnoe [illegible], 1963. 136 p.
(MH)

SHKAVRO, L. G. [Always with you; verse and ballads] Vsegda s toboi; stikhi i ballady. [Sverdlovsk, [illegible] skoe knizhnoe izd-vo, 1963] 90 p.
(MH)

SHKLOVSKII, V. B. [Once upon a time; [illegible], diaries, and tales about the times from the [illegible] 19th century up to 1962] Zhili-byli, vospominaniia, memuarnye zapisi, povesti o vremeni s [illegible] po 1962 g. Moskva, Sovetskii pisatel', 1964. 491 p.

SHOLOKHOV, M. A. [And quiet flows the Don, [illegible]] Tikhii Don; roman. Moskva, Izd-vo "Izvestiia, [illegible] 2 v. (Biblioteka "Piat'desiat let sovetskogo [illegible]

SHOLOKHOV, M. A. [A foal] Zherebenok. [illegible] Gos. izd-vo detskoi lit-ry, 1963. 16 p. ([illegible] nego i starshego vozrasta)
(MIDW)

SHPIRT, A. I. [Agitated shore; verse] Vzvolnovannyi bereg; stikhi. Moskva, Sovetskii pisatel', 1964 [illegible]
(MH)

SHURTAKOV, S. I. [First date; stories] Pervoe svidanie; rasskazy. [Moskva] Molodaia gvardiia, [illegible] 174 p.
(MH)

SIMKUS, VLADAS. [Contours of the shore] Kranto konturai. Vilnius [Valstybine grozines lit-ros leidykla] 1963. 85 p. [In Lithuanian]

SIMKUS, VLADAS. [Earth loves you; verse. Authorized translation from the Lithuanian] Zemlia tebia liubit; stikhotvoreniia. [Moskva] Sovetskii pisatel', 1963. 107 p.
(MH)

SIRIJOS-GIRA, VYTAUTAS. [And that is all; a novel. Translated from the Lithuanian] Vol 1 Vse; roman. Moskva, Sovetskii pisatel', 1964. 201 p.

SKORODUMOV, IU. A. [Peace be with you, my birches] Mir vam, berezy. [Leningrad] Lenizdat, 1963. 63 p.
(MH)

SKUPSKII, B. I. [Lectures on the Old Church Slavic language: Section 1. Introduction, Section 2. Phonetic system, Section 3. Sounds of Old Church Slavic and other Slavic languages in a comparative-historical interpretation. Textbook for correspondence students] Lektsii po staroslavianskomu iazyku: Razdel 1. Vvedenie, Razdel 2. Foneticheskaia sistema, Razdel 3 Zvuki staroslavianskogo i drugikh slavianskikh iazykov v sravnitel'no-istoricheskom osveshchenii. Posobie dlia studentov-zaochnikov. Makhachkala, Dagestanskii gos. univ., 1962. 166 p.

SKURLAEV, D. N. [Sharp turn; a tale] Krutoi povorot; povest'. [Tiumen'] Tiumenskoe knizhnoe izd-vo, [illegible] 104 p.
(MH)

SLUCKAITE, AUSRA. [Critical comments] Kritikos strichai. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 98 p. (Pirmoji knyga) [In Lithuanian]

SMIRNOV, S. V. [Selected lyrics. Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 30 p. (Biblioteka izbrannoi liriki)

SMIRNOVA-CHIKINA, E. S. [The poem "Dead souls" by N. V. Gogol'; a literary commentary. A textbook for the teacher] Poema N. V. Gogolia "Mertvye dushi"; literaturnyi kommentarii. Posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 277 p.

SMOLKIN, M. D. Zmitrok Biadulia. Minsk, Dziarzhaunae vyd-va BSSR, Redaktsyia mastatskai lit-ry, 1961. 207 p.
(MH)

SOBKO, V.M. [Works] Tvory. Kyiv, Derzhlitvydav.
Vol.1. 1963.
(MH)

SOBOLEV, I.V. [Women scouts. Romantic drama in three parts] Razvedchitsy. Romanticheskaia drama v trekh chastiakh. Otv. red. G. Grakhov. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 87 (i.e. 43) p.

SOFRONOV, ANATOLII. [Spare the living sons. A drama in three acts] Beregite zhivykh synovei. Drama v trekh deistviiakh. Otv. red. L. Barulina, Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 86 (i.e. 43) p.

SOIUZ SOVETSKIKH PISATELEI RSFSR. Kalininskoe otdelenie. [Comrade; literary collection] Tovarishch; literaturno-khudozhestvennyi sbornik. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 161 p.
(MH)

OKOLOV, V.A. [Wide spaces; verse] Prostory, stikhotvoreniia. Leningrad, Sovetskii pisatel', 1963. 134 p.
(MH)

OKOLOV, V.D. [Intrusion; a novel] Vtorzhenie; roman. [Moskva] Sovetskaia Rossiia, 1963. 511 p.
(MH)

ORDOPENA, JESÚS, and CELESTINA MARINERO, comps. [Russian-Spanish pocket dictionary, 9,000 words] Karmannyi russko-ispanskii slovar', 9000 slov. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 374 p.

OROKIN, V.V. [Tame sun; verse] Ruchnoe solntse; stikhi Moskva, Sovetskii pisatel', 1963. 78 p.
(MH)

OROKIN, Z.A. [Duel in the snowy wilderness] Poedinok v snezhnoi pustyne. [Moskva] Izd-vo "Malysh," 1964. 27 p.

OSIURA, V.M. [Happiness of a working family; verse] Schast'e sem'i trudovoi, stikhi. Moskva, Sovetskii pisatel', 1963. 319 p.
(MH)

PARE, VELTA. [The last examination] Pedejais eksamens. Riga, Latvijas Valsts izd-ba, 1963. 85 p. [In Latvian]

PUDAS, VAIDOTAS. [Blue pines; poems] Melynos pusys; eilerasciai. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 77 p. (Pirmoji knyga) [In Lithuanian]

THE STAGE; repertory collection for amateur art activities in the Army and Navy] Estrada; repertuarnyi sbornik dlia armeiskoi i flotskoi khudozhestvennoi samodeiatel'nosti. Moskva, Voenizdat.
No. 2-3, 1963. 2 v.

TARIKOV, V.A. [On Lake Baikal] Na Baikale. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 181 p.
(MH)

TARS OF THE PAMIRS; verse and prose. Zvezdy Pamira. Frunze, Kirgizgosizdat] 1962. 527 p. [In Kirghiz]
(MH)

TARTSEV, I.I. [Literature of the peoples of the U.S.S.R. translated into Russian; a bibliography, 1955-1959] Khudozhestvennaia literatura narodov SSSR v perevodakh na russkii iazyk; bibliografiia, 1955-1959. Moskva, Izd-vo "Khudozhestvennaia literatura, 1964. 725 p.

TEPANIUK, B.R. [Through the tears of love; poem] Kriz' sl'ozy liubovi; poema. Kyiv, Radians'kyi pys'mennyk, 1962. 73 p.
(NN)

TORIES OF 1961] 1961 el khikelalere. Tozuchese Safa Sabirov. Kazan, Tatarstan Kitap Neshriiaty, 1963. 255 p. [In Tatar]

STOROZHEVA, M.F. [Coming into this house, a lyrical drama] Vkhodia v etot dom; liricheskaia drama. Moskva, Iskusstvo, 1963. 78 p.
(MH)

STRUGATSKII, A.N., and B.N. STRUGATSKII. [Distant rainbow; fantastic tale] Dalekaia raduga; fantasticheskie povesti. [Moskva] Molodaia gvardiia, 1964. 333 p.

SUKHOV, F.G. [Verse] Stikhi. Moskva, Sovetskaia Rossiia, 1963 60 p.
(MH)

SUREEV, P A. [Sound of dripping snow] Zvon kapeli. [IAroslavl'] Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 98 p.

SVITLYCHNA, H.P. [Golden sheaf band; verse] Zolote pereveslo, poezii. Kyiv, Molod', 1963. 59 p.
(MH)

TARABUKIN, I.I. [My grandmother's chest; feuilletons, epigrams, jokes] Sunduk moei babushki, fel'etony, epigrammy, shutki. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 77 p
(MH)

TATARENKO, L.S. [Blue tree; lyric poetry] Sinee derevo; lirika. [Moskva] Molodaia gvardiia, 1963. 142 p.
(MH)

TIRIKOV, A.G. [Spring song; stories] Vesenniaia pesnia; rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 29 p.
(MH)

TIURIN, V.M. [Side by side with you] Riadom s toboi. Moskva, Sovetskaia Rossiia, 1963. 54 p. (Korotkie povesti i rasskazy)
(MH)

TOKARSKAIA, V.P. [The Malinke language (Mandingo)] IAzyk malinke (mandingo). Moskva, Izd-vo "Nauka," 1964. 48 p. (IAzyki narodov Azii i Afriki)

TOLSTOI, A.N. [The road to Calvary, a trilogy] Khozhdenie po mukam; triologiia. Moskva, "Izvestiia." (Biblioteka "Piat'desiat let sovetskogo romana")
Vol.1. 1964. 589 p.

TOLSTOI, L.N. [Childhood, adolescence, and youth] Detstvo, otrochestvo, iunost'. [Kursk] Kurskoe knizhnoe izd-vo, 1964. 351 p.

TOLSTOI, L.N. [Collected works in twenty volumes] Sobranie sochninenii v dvadtsati tomakh. Pod obshchei red. N.N. Akopovoi i dr. Moskva, Izd-vo "Khudozhestvennaia literatura."
Vol. 13. [Resurrection] Voskresenie. 1964. 532 p.

TOMCHANII, M.I. [Straw Hotel; stories and a tale] Otel' Soloma; rasskazy i povest'. Moskva, Sovetskii pisatel', 1963. 349 p.

TRIFONOV, IU.V. [Quenching the thirst; a novel] Utolenie zhazhdy; roman Moskva, Sovetskii pisatel', 1963. 369 p.
(NjP)

TRUBLAINI, M.P. [Mischief-makers on a steamship] Pustuny na paroplavi. [Kyiv, Dytvydav, 1963] 14 p.

TSEKOV, PASARBI [Kazma; a novel. Kazma; roman. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo. In Abazin]
Vol. 1. 1962.
(MH)

TSYDENDAMBAEV, CHIMIT. [Good luck, Zhargalma; story in verse. Translated from the Buryat] Schastlivogo puti, Zhargalma; povest'-poema. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 129 p.
(MH)

TUKHVATULLIN, R.G. [My star; a tale. Authorized translation from the Tatar] Zvezda moia; povest'. Moskva, Sovetskii pisatel', 1963. 169 p.
(MH)

TURICHIN, I.A. [Only with clean hands; a tale. Tol'ko chistymi rukami, povest'. [Moskva] Molodaia gvardiia, 1963. 111 p.
(MH)

TVARDOVSKII, A.T. [Selected lyrics. Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 29 p. (Bibliotechka izbrannoi liriki)

TYCHYNA, P.H. [And I walked into the grove] A ia u hai khodyla. [Kyiv, Dytvydav, 1963] 17 p.

[UKRAINIAN WRITERS, a biobibliographic guide in five volumes] Ukrains'ki pys'mennyky, bio-bibliografichnyi slovnyk u p'iati tomakh. Kyiv, Derzhlitvydav.
Vol. 3. Pyvovarov, M., G. Synhaivs'ka, and K. Fedorytenko, comps. [The prerevolutionary period (the 19th and beginning of the 20th century). N - IA] Dozhovtnevyi period (XIX - poch. XX st.) N - IA. Vyd. red. P. K. Volins'kyi. 1963. 805 p.

ULAN-UDE. BURIATSKII KOMPLEKSNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Abai Geser-Khubun; an epic. The Ekhirit-Bulagat version] Abai Geser-khubun; epopeia. Ekhirit-bulagatskii variant. Podgotovka teksta, perevod i primechaniia M. P. Khomonova. Ulan-Ude.
Pt. 1. 1961. 229 p. [Parallel texts in Buryat and Russian]

VALIKOV, G.G. [Pereslavl' elegy; verse] Pereslavskaia [sic] elegiia; stikhi. Moskva, Sovetskii pisatel', 1963. 82 p.
(MH)

VASIL'EV, IU.V. [Your step on earth, a novel] Tvoi shag na zemle, roman. [Magadan] Magadanskoe knizhnoe izd-vo, 1964. 319 p.

VASIL'KOV, I.A. [Mysteries of the underground cup; a tale] Tainy podzemnoi chashi; povest'. Moskva, Sovetskaia Rossiia, 1963. 173 p.
(MH)

VELIEV, A.G. [Materials on Azerbaijani dialectology; lexicon of Geokchay transitional dialects] Azerbaichan dialektolokiiasyna aid materiallar; koichai kechid shivelerinin leksikasy. Baky, Adu Neshriiiaty, 1960. 86 p. [In Azerbaijani]

VENCLOVA, ANTANAS. [Do you know this country; poems about Italy] Ar tu zinai ta sali; eilerasciai apie Italija. Vilnius, Leidykla Vaga, 1964. 69 p. illus. [In Lithuanain]

VIATKIN, V.S. [Man is born twice, a novel] Chelovek rozhdaetsia dvazhdy; roman. [Magadan] Magadanskoe knizhnoe izd-vo.
Book 1. 1964. 318 p.

VIRSALADZE, ELENA, ed. [Selected Georgian folk fairy tales. Izbrannye gruzinskie narodnye skazki. Tbilisi, Sabchota Sakartvelo, 1956. 446 p. [In Georgian]
(MH)

VITKOVICH, VIKTOR, and LEONID SOLOV'EV. [Gay sinner. A comedy in four acts, nine scenes] Veselyi greshnik. Komediia v chetyrekh deistviiakh, deviati kartinakh. Otv. red. B. Emel'ianov. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1964. 91 (i.e. 45) p.

V'IUNOV, G.A. [Tale of our city] Skaz o rodnom gorode. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 45 p. (Penze 300 let)
(MH)

VOLGIN, SERGEI, pseud. [Starry boomerang; a science fiction novel] Zvezdnyi bumerang; nauchno-fantasticheskii roman. [Tashkent] Gos. izd-vo khudozh. lit-ry UzSSR, 1963. 246 p.
(InU)

VOLKOV, V.A. [Revolt of the sun; verse] Solnechnyi bunt; stikhi. [Moskva] Molodaia gvardiia, 1963. 109 p.
(NIC)

VORONIN, S.A. [Two lives; stories] Dve zhizni; rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 474 p.
(NIC)

VYSHNIA, O. M. [The Landlord's Christmas tree] Pans'ka ialynka. Kyiv, Dytvydav, 1963 12 p

ZAKRUTKIN, V A [At the Sea of Azov, a novel] U moria Azovskogo, roman. [Rostov-na-Donu] Rostovskoe knizhnoe Izd-vo, 1963 262 p
(MH)

ZAND, M. I. [Six centuries of glory, outline of Persian-Tajik literature] Shest' vekov slavy, ocherki persidsko-tadzhikskoi literatury. Moskva, Izd-vo "Nauka," 1964. 250 p.

ZASURSKII, IA N , ed [The foreign press] Zarubezhnaia pechat', sbornik statei [Moskva] Izd-vo Mosk. univ 1964 311 p

ZAVAL'NIUK, L. A. [Lyric tale] Liricheskaia povest'. [Blagoveshchensk] Amurskoe knizhnoe izd-vo, 1963. 85 p.

ZEROMSKI, STEFAN. [Loyal river, family legend. Translated from the Polish] Vernaia reka; semeinoe predanie [Moskva, Gos. izd-vo khudozh lit-ry, 1963] 198 p
(IaU)

ZHIMBIEV, TSYDEN-ZHAP. [The vernal steppe; verse and a poem Translated from the Buryat] Vesenniaia step'; stikhi i poema Moskva, Sovetskii pisatel', 1959 101 p.
(IEN)

ZHURAVLEV, V. A. [Noonday, selected verse] Polden', izbrannye stikhi Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 358 p

ZLYDNEV, V. I. [Russian-Bulgarian literary ties of the 20th century] Russko-bolgarskie literaturnye sviazi XX veka. Moskva, Izd-vo "Nauka," 1964. 218 p.

ZNAMENSKII, A. D [Ukhta channel; a novel. Fireweed, a novel] Ukhtinskaia prorva, roman. Ivan-chai; roman. Moskva, Sovetskii pisatel', 1964. 685 p.
(MH)

ZORIN, M. I., and I. Z. SHUL'KINA. [Day breaks early; a novel] Den' nastupaet rano, roman. Riga, Latviiskoe gos. izd-vo, 1963. 558 p.

ZVEREV, M. D. [Hunter from Kokpek, stories] Okhotnik iz Kokpeka, rasskazy. Alma-Ata, Kazgoslitizdat, 1963. 270 p.
(MH)

ZVOLINSKAIA, IU I. [Russian language teaching materials for grade 4 of the two-teacher school] Didakticheskii material po russkomu iazyku dlia IV klassa dvukhkomplektnoi shkoly. Izd. 4. Moskva, Izd-vo "Prosveshchenie," 1964. 175 p.

12. GEOGRAPHY & GEOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Institut geologicheskikh nauk. [Geology of the Armenian S. S. R.] Geologiia Armianskoi SSR. Glav. red.: S. S. Mkrtchian i dr. Erevan, Izd-vo AN Armianskoi SSR.
Vol. 2. [Stratigraphy] Stratigrafiia. 1964. 432 p.

AKADEMIIA NAUK SSSR. Institut geografii. [Development and transformation of a geographical medium] Razvitie i preobrazovanie geograficheskoi sredy. Moskva, Izd-vo "Nauka," 1964. 238 p.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. [Physicomechanical properties of rocks] Fiziko-mekhanicheskie svoistva gornykh porod. Moskva, Izd-vo "Nauka," 1964. 141 p.

AKADEMIIA NAUK SSSR. Mezhduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. IX razdel programmy MGG. Gliatsiologiia. [Collection of articles. Sbornik statei] Moskva, Izd-vo "Nauka."
No. 12. Evteev, S. A. [Geological work of the ice cap in eastern Antarctica] Geologicheskaia deiatel'nost' lednikovogo pokrova Vostochnoi Antarktidy. 1964. 119 p.

AKRAMOV, Z. M. [Indian sketches; travel notes. Indiiskie zarisovki, putevye zametki. Tashkent, Pravda Vostoka] 1962. 100 p. [In Uzbek]
(MH)

[ALONG THE OKA, a guidebook] Po Oke; putevoditel'. Moskva, Izd-vo "Transport," 1964. 139 p. illus.

BELOUSOV, V. V., and M. V. GZOVSKII. [Experimental tectonics] Eksperimental'naia tektonika. Moskva, Izd-vo "Nedra," 1964. 117 p.

BOGDANOV, D. B., comp. [Stories about the world ocean, a reader. Textbook for teachers] Rasskazy o mirovom okeane, khrestomatiia. Posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 159 p.

BUDANOV, N. D. [Hydrogeology of the Urals] Gidrogeologiia Urala. Moskva, Izd-vo "Nauka," 1964. 302 p.

EESTI NSV TEADUSTE AKADEEMIA. [Materials of the conference on recent tectonic movement in the Baltic Sea region] Materialy soveshchaniia po voprosam neotektonicheskikh dvizhenii v Pribaltike. Tallin 24-26 Marta 1960 g. Tartu, 1960 154 p.
(OKU)

EVGEN'EV, B. S. [Brightening, a road winds its way..., a tale about the Moscow River] Svetleia, steletsia doroga...; povest' o Moskve-reke. Moskva, Izd-vo "Mysl'," 1964. 229 p. illus. (Geograficheskaia seriia)

EZHOV, A. I. [Granitoids of the Shalgiya region and postmagmatic formations related to them (central Kazakhstan)] Granitoidy Shalginskogo raiona i sviazannye s nimi postmagmaticheskie obrazovaniia (TSentral'nyi Kazakhstan). Moskva, Izd-vo "Nauka," 1964. 189 p.

GAIDAENKO, I. P. [Stars of freedom] Zvezdy svobody. Kiev, Gospolitizdat USSR, 1963. 59 p.
(MH)

GANKOVSKII, IU. V. [The peoples of Pakistan; basic stages in their ethnic history] Narody Pakistana; osnovnye etapy etnicheskoi istorii. Moskva, Izd-vo "Nauka," 1964. 278 p.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Priamurskii (Khabarovskii) filial. [Khabarovsk Territory, the Far East; index of works of the Amur Branch of the Geographical Society of the U. S. S. R.] Khabarovskii krai, Dal'nii Vostok; ukazatel' trudov Priamurskogo filiala Geograficheskogo obshchestva SSSR, 1957-1961 g. Khabarovsk, 1962. 23 p.
[MICROFILM]

GOLOVKO, V. K. [Lakes of our territory] Ozera nashego kraia. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 134 p.

INTERNATIONAL GEOLOGICAL CONGRESS, 22d, 1964. [Isostasy] Izostaziia. Moskva, Izd-vo "Nauka," 1964. 70 p. (Its: Doklady sovetskikh geologov, problema 12)

IVANOV, K. A., and G. V. KITAEVA. [Moscow-Astrakhan] Moskva-Astrakhan'. 2. izd. [Moskva] Profizdat, 1964. 111 p.

JURGINIS, JUOZAS. Mikalojus Katkus. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 281 p. [In Lithuanian]
(MH)

KOZLOV, I. V., comp. [Pictures of the nature of our motherland; reader on the physical geography of the U. S. S. R.] Kartiny prirody nashei Rodiny; kniga dlia chteniia po fizicheskoi geografii SSSR. Moskva, Izd-vo "Prosveshchenie," 1964. 271 p. illus.

KUSOV, G. I. [Through the city of Ordzhonikidze, tourist guide] Po gorodu Ordzhonikidze; sputnik turista. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 54 p. illus.

KUZNETSOV, IU. A. [Main igneous rock formations] Glavnye tipy magmaticheskikh formatsii. Moskva, Izd-vo "Nedra," 1964. 380 p.

MAGIDOVICH, V. I. [Feldspar raw material, its genetic types and principles of estimation] Polevoshpatovoe syr'e, ego geneticheskie tipy i printsipy otsenki. Moskva, Izd-vo "Nauka," 1964. 142 p.

MEL'KHEEV, M. N. [Origin of geographical names in Irkutsk Province] Proiskhozhdenie geograficheskikh nazvanii Irkutskoi oblasti. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1964. 88 p.

METLITSKII, B. G. [Okhta] Ob Okhte. [Leningrad] Lenizdat, 1964. 120 p. (Tam, gde byli okrainy, [illegible])

MIL'KOV, F. N. [Natural zones of the U. S. S. R.] Prirodnye zony SSSR. Moskva, Izd-vo "Mysl'," 1964. 324 p. maps (insert. Geograficheskaia seriia)

MOSCOW. UNIVERSITET. Kafedra geografii poliarnykh stran i gliatsiologii [Problems of paleogeography and morphogeny in the polar countries and highland, a collection of articles] Problemy paleogeografii i morfogeneza v poliarnykh stranakh i vysokogor'e; sbornik statei. Otv. red. A. I. Popov. [Moskva] Izd-vo Mosk univ., 1964. 189 p.

MUKHIN, G. I. [Australia; physical geography and economic geography surveys. A textbook for the teacher] Avstraliia; fiziko-geograficheskii i ekonomiko-geograficheskii obzory. Posobie dlia uchitelia Moskva, Izd-vo "Prosveshchenie," 1964. 291 p. illus. 2 maps (insert)

ONIKIENKO, S. K. [Practical manual on the study of rock-forming minerals in thin sections] Prakticheskoe rukovodstvo po issledovaniiu porodoobrazuiushchikh mineralov v prozrachnykh shlifakh. Moskva, Izd-vo "Nedra," 1964. 90 p.

[OUR NATIVE LAND SIBERIA; photo album] Nasha Rodina Sibir'; fotoal'bom. Moskva, Izd-vo "Mysl'," 234 p. (Geograficheskaia seriia)

PASETSKII, V. M. [Finds that solve riddles] Nakhodki, kotorye otkryvaiut tainy. Moskva, Izd-vo "Transport," 1964. 367 p.

PAVLOVA, N. N. [Physical geography of the Crimea, a textbook] Fizicheskaia geografiia Kryma, uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1964. 104 p. (V pomoshch' studentam vechernego i zaochnogo obucheniia)

ROMANOV, A. V. [A trip to the Island of Cyprus; a journalist's notes] Puteshestvie na ostrov Kipr; zapiski zhurnalista. Moskva, Politizdat, 1964. 66 p

RUBEL', R. D. [In mountains and caves] V gorakh i peshcherakh. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 146 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [World atlas] Atlas mira. Moskva, 1962. 64 p.

SALOP, L. I. [Geology of the Baikal mountain region] Geologiia Baikal'skoi gornoi oblasti. Moskva, Izd-vo "Nedra."
Vol. 1. [Stratigraphy] Stratigrafiia. 1964. 515 p.

SOBAKAR', G. T. [Subsurface tectonics of the Azov Massif and some adjacent territories; based on [illegible] Priazovskogo [illegible] territorii; po dannym [illegible] Kiev, "Naukova [illegible] 146 p.

SOVESHCHANIE PO LITOLOGII I MINERALOGII OSADOCHNYKH POROD. Baku, 1956. [Transactions of the Conference on the Lithology and Mineralogy of Sedimentary Deposits] Trudy. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 265 p. illus., plates, maps, diagrs., tables.
(OkU)

[illegible]

[illegible] [Principles of flashing light signals] [illegible] Moscow, [illegible]

[illegible]

GORKI. POLITEKHNICHESKII INSTITUT. [Laboratory work in physical chemistry] Praktikum po fizicheskoi khimii. Gor'kii.
  No. 3. Molodovskii, V. A., and A. L. Agafonova. [Solutions] Rastvory. 1963. 25 p.
  No. 4. Molodovskii, V. A., and V. P. Granenova. [Molecular structure] Stroenie molekul. 1963. 19 p.

[MICROFILMS]

GURSKII, I. P. [Functions and the construction of graphs, a textbook for teachers] Funktsii i postroenie grafikov, posobie dlia uchitelei Izd 2, ispr. Moskva, Prosveshchenie, 1964. 215 p.

GUSEV, N. G., V. P. MASHKOVICH, and B. V. VERBITSKII. [Radioisotopes as gamma emitters] Radioaktivnye izotopy kak gamma-izluchateli. Moskva, Atomizdat, 1964 277 p.

HUANG TSU-CHAN. [Application of the Treiman - Yang criterion to the reaction $n+p \to p+p+\pi^-$] Kriterii Traimana - IAnga dlia reaktsii $n+p \to p+p+\pi^-$. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 5 p.

KALININ. PEDAGOGICHESKII INSTITUT [Methodological information for determining the species of fishes, amphibians, leeches and spider families; a guide for the school teacher] Metodicheskie ukazaniia dlia opredeleniia vidov ryb, zemnovodnykh, presmykaiushchikhsia, piiavok i semeistv paukov; v pomoshch' uchiteliu shkoly Kalinin.
  No 1. 1962. 31 p.

[MICROFILM]

KARIMOV, KH. KH. [Winter growth and summer dormancy of the plants of Tajikistan] O zimnei vegetatsii i letnem pokoe rastenii Tadzhikistana. Dushanbe, Akad. nauk Tadzhikskoi SSR, 1964. 24 p.

KARPOV, K A, and E A. CHISTOVA. [Tables of Weber functions] Tablitsy funktsii Vebera. Moskva, Vychislitel'nyi tsentr AN SSSR
  Vol. 2 1964. 340 p (Matematicheskie tablitsy)

KAUNAS MEDICINOS INSTITUTAS. [Nature, man and spirit] Apie gamta, zmogu ir dvasia. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 208 p. [In Lithuanian]

KHONIKEVICH, A. A. [Decontamination of waste water from radiochemical laboratories and experimental atomic reactors] Dezaktivizatsiia sbrosnykh vod radiokhimicheskikh laboratorii i eksperimental'nykh atomnykh reaktorov. Moskva, Atomizdat, 1964. 108 p.

KHVOSTIKOV, I. A. [Upper layers of the atmosphere] Vysokie sloi atmosfery. Leningrad, Gidrometeoizdat, 1964. 605 p.

KIPERMAN, S L. [Introduction to the kinetics of heterogeneous catalytic reactions] Vvedenie v kinetiku geterogennykh kataliticheskikh reaktsii. Moskva, Izd-vo "Nauka," 1964. 606 p.

KIPNIS, I. M. [Collection of applied problems in inequality theory; a textbook for teachers] Sbornik prikladnykh zadach na neravenstva; posobie dlia uchitelei. Izd. 2., dop. Moskva, Prosveshchenie, 1964. 142 p.

KIRENSKII, L. V., V. E. KUZNETSOV, and V. U. USATOV. [Dynamic magnetostriction of iron] Dinamicheskaia magnitostriktsiia zheleza. [n. p.] Akad. nauk SSSR. Sibirskoe otd-nie. In-t fiziki, 1964. 29 p.

KIRICHENKO, A. N. [Hemiptera (Heteroptera) of Tajikistan] Poluzhestokrylye (Hemiptera-Heteroptera) Tadzhikistana. Pod red. M. N. Narzikulova i E. P. Luppovoi. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 256 p.

KODRAU, O. D. [Climate of Ethiopia] Klimat Efiopii. Pod red. A. N. Lebedeva. Leningrad, Gidrometeoizdat, 1964. 47 p. (Materialy po klimatologii zemnogo shara)

KONONENKO, V. O. [Oscillatory systems with bounded excitation] Kolebatel'nye sistemy s ogranichennym vozbuzhdeniem. Moskva, Izd-vo "Nauka," 1964. 254 p.

LENINGRAD. UNIVERSITET. [Problems in atmospheric physics] Problemy fiziki atmosfery. [Leningrad]
  No. 2. 1963. 190 p.

LENINGRAD. UNIVERSITET. Otdel zaochnogo obucheniia. Matematiko-mekhanicheskii fakul'tet. [Statics, methodological instructions No. 1 in the course of theoretical mechanics for second-year students] Statika, metodicheskie ukazaniia No. I po kursu teoreticheskoi mekhaniki dlia studentov II kursa. [Leningrad] 1964. 20 p.

LEVITIN, K. E., and A. D. MELAMED. ["NRV" patent, conversations with Azerbaijan scientists] Patent NRV, besedy s azerbaidzhanskimi uchenymi. Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no. 5)

LINDENBRATEN, L. D., ed. [Variations and anomalies in the development of organs and systems in man in X-ray observations] Varianty i anomalii razvitiia organov i sistem cheloveka v rentgenovskom izobrazhenii, nauchno-metodicheskoe posobie. Moskva, Gos. izd-vo med. lit-ry, 1963. 1 v.

LINDT, I. I. [Biology of the common red spider (Tetranychus telarius L.) in southern Tajikistan] Biologiia obyknovennogo pautinnogo kleshcha (Tetranychus telarius L.) v IUzhnom Tadzhikistane. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 114 p.

LIUBCHENKO, G. G., and I. V. SERGIENKO. [Computers and programming] Matematicheskie mashiny i programmirovanie. [Kiev] Izd-vo Kievskogo univ., 1963 219 p.

LIUBOSHITS, V. L., and E. O. OKONOV. [Possible resonances in K-meson decay] O vozmozhnykh rezonansakh v raspadakh K-mezonov Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 9 p.

LIZOGUB, A. P. [Spectrum analysis in organic chemistry] Spektral'nyi analiz v organicheskoi khimii. Kiev, Izd-vo "Tekhnika," 1964. 231 p.

MIKHAILOVA, M M [Collection of problems and examples on calculating heat transfer] Sbornik zadach i primerov rascheta po teploperedache. Moskva, Mosk. aviatsionnyi in-t im S Ordzhonikidze, 1963. 123 p.

[MICROFILM]

MIKHLIN, S. G., ed [Linear equations in mathematical physics] Lineinye uravneniia matematicheskoi fiziki [By] V. M. Babich i dr. Moskva, Izd-vo "Nauka," 1964. 368 p. (Spravochnaia matematicheskaia biblioteka)

MISIURKEEV, I. V. [Problems and exercises using methods of mathematical physics] Sbornik zadach i uprazhnenii po metodam matematicheskoi fiziki. Moskva, Prosveshchenie, 1964. 134 p.

MOLDAVER, T. I. [Chemistry around us] Khimiia riadom. Moskva, Izd-vo "Znanie," 1964. 36 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, no. 6)

MOLODTSOV, V. S., and A. IA. IL'IN, eds. [Methodological problems in contemporary science] Metodologicheskie problemy sovremennoi nauki; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1964. 243 p.

MOSCOW. UNIVERSITET DRUZHBY NARODOV. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-Spanish dictionary of terms in descriptive geometry and drawing] Kratkii russko-ispanskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 32 p.

NAUCHNAIA KONFERENTSIIA TADZHIKSKOGO BIOKHIMICHESKOGO OBSHCHESTVA (OTDELENIIA VSESOIUZNOGO BIOKHIMICHESKOGO OBSHCHESTVA PRI AN SSSR), 1st. [Abstracts of reports of the First Scientific Conference of the Tajik Biochemical Society (a branch of the All-Union Biochemical Society of the Academy of Sciences of the U. S. S. R.)] Tezisy dokladov Dushanbe, 1962. 30 p.

[MICROFILM]

NEDIALKOV, I. P., and G. I PENCHEV. [Numerical solution of nonregularized Low equations] O chislennom reshenii neregulliarizovannykh uravnenii Lou. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 11 p.

NEMTSOV, L. D [Tables of gravitational effects for calculating gravity anomalies due to three-dimensional bodies of arbitrary shape and size] Tablitsy gravitatsionnykh effektov dlia vychisleniia anomalii sily tiazhesti ot ob"emnykh tel proizvol'noi formy i razmerov Pod red. K. E. Veselova Moskva, Vses. nauchno-issl. in-t geofizicheskikh metodov razvedki, 1962. 105 p.

[MICROFILM]

NICHIPOROVICH, A. A. [Efficiency of a green leaf] KPD zelenogo lista. Moskva, Izd-vo "Znanie," 1964 44 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia Biologiia, meditsina, no. 14)

OKONOV, E. O. [Mean lifetime of a long-lived K^0 meson] O srednem vremeni zhizni dolgozhivushchego K^0-mezona. Dubna, Ob"edinennyi in-t iadernykh issl., 1963 7 p.

ORBELI, L. A. [Selected works in five volumes] Izbrannye trudy v piati tomakh. Moskva, Izd-vo "Nauka."
  Vol. 3. [Problems of higher nervous activity and its development] Voprosy vysshei nervnoi deiatel'nosti i ee razvitiia. 1964 470 p.

PLISS, V. A. [Nonlocal problems in the theory of oscillations] Nelokal'nye problemy teorii kolebanii. Moskva, Izd-vo "Nauka," 1964. 367 p.

PODDUBNAIA-ARNOL'DI, V. A. [General embryology of angiosperms] Obshchaia embriologiia pokrytosemennykh rastenii. Moskva, Izd-vo "Nauka," 1964 [illegible] p.

POLIKARPOV, G. G. [Radioecology of marine organisms, accumulation and biological effect of radioactive substances] Radioekologiia morskikh organizmov, nakoplenie i biologicheskoe deistvie radioaktivnykh veshchestv. Pod red. V. P. Shvedova. Moskva, Atomizdat, 1964. 294 p.

POPOVA, N. S. [Teaching material on arithmetic for the second grade of eight-year schools] Didakticheskii material po arifmetike dlia II klassa vos'miletnei shkoly. Izd. 6., dop. Moskva, Prosveshchenie, 1964 203 p.

POTAPOV, M. K., N. KH. ROZOV, and O. V. DOROFEEV. [Short mathematics textbook for persons entering Moscow University] Kratkoe posobie po matematike dlia postupaiushchikh v Moskovskii universitet. [Moskva] Izd-vo Mosk. univ., 1964. 207 p.

PROVOROV, K. L. [Radiogeodesy; course of lectures] Radiogeodeziia; kurs lektsii. Novosibirsk, Novosibirskii in-t inzhenerov geodezii, aerofotos"emki i kartografii.
  Pt. 3. [Geodetic uses and the processing of the results of measurements] Geodezicheskie primeneniia i obrabotka rezul'tatov izmerenii. 1962. 94 p.

[MICROFILM]

PUKHOV, G. E. [Selected problems in the theory of computers] Izbrannye voprosy teorii matematicheskikh mashin. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 263 p.

RIVKIN, S. S. [Theory of gyroscopic devices] Teoriia giroskopicheskikh ustroistv. Leningrad, "Sudostroenie,"
  Pt. 2. 1964. 647 p.

ROMADIN, P. V. [Origin and development of the fundamental concepts of dynamics] Vozniknovenie i razvitie osnovnykh poniatii dinamiki. Saransk, Mordovskoe knizhnoe izd-vo, 1963. 102 p.

RYVKIN, S. M., O. A. MATVEEV, and N. B. STROKAN. [Transistorized nuclear counters] Poluprovodnikovye schetchiki iadernykh chastits. Leningrad, 1963. 39 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no. 10)

SAKHARNYI, N. F. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki. [IAroslavl'] Vysshaia shkola, 1964. 844 p.

SALGANSKII, A. A. [Birds and animals of our forests] Ptitsy i zveri nashikh lesov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 308 p.

14 MEDICINE.

FEDERMESSER, K. M. [Nitrous oxide analgesia in obstetric and gynecologic practice] Anal'geziia zakis'iu azota v akushersko-ginekologicheskoi praktike. Moskva, Meditsina, 1964. 134 p.
(DNLM)

GALUZO, I. G., and D. N. ZASUKHIN, eds. [Toxoplasmosis in man and animals, index of Soviet and foreign literature, 1908-1962] Toksoplazmoz cheloveka i zhivotnykh, ukazatel' otechestvennoi i inostrannoi literatury, 1908-1962. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 410 p.

GEILER, I. I. [Physiology and pathology of the spleen, the role of the spleen in the blood system, its correlation with the liver and some endocrine glands] Fiziologiia i patologiia selezenki, rol' selezenki v sisteme krovi, korreliatsii ee s pechen'iu i nekotorymi zhelezami vnutrennei sekretsii. Moskva, Meditsina, 1964. 160 p.
(DNLM)

GURAUSKIENE, DANGUOLE. [Atherosclerosis and how to prevent it] Ateroskleroze ir kaip jos isvengti. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 31 p. [In Lithuanian]
(DNLM)

INDRASIUS, N. [Nervous diseases and how to prevent them] Nervu ligos ir kaip ju saugotis. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 23 p. [In Lithuanian]
(DNLM)

KARDASHENKO, B. IA. [This did not have to happen, prevention of skin diseases] Etogo moglo ne byt', profilaktika kozhnykh zabolevanii. Moskva, Izd-vo "Znanie," 1964. 29 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 12)

KHROMOV, B. M. [Signal of disaster, emergency surgical diseases of the abdominal cavity] Signal bedstviia, vnezapnye khirurgicheskie zabolevaniia organov briushnoi polosti. 2 izd. Moskva, Izd-vo "Znanie," 1964. 37 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 14)

KIEV. INSTITUT INFEKTSIONNYKH BOLEZNEI. Annotatsii nauchnykh rabot Instituta infektsionnykh boleznei, opublikovannykh v 1961 godu. Abstracts of scientific papers of the Institute of Infections [sic] Diseases of the Ministry of Health of the Ukrainian SSR published in 1961. Kiev, Gos. med. izd-vo USSR, 1962.
(DNLM)

KLIMANSKII, V. A. [Bronchography in children] Bronkhografiia u detei. Moskva, Meditsina, 1964. 130 p. (Biblioteka prakticheskogo vracha)
(DNLM)

KLUMBYS, LEONAS. [Head injuries] Galvos traumos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 30 p. (Gydytojo praktiko biblioteka) [In Lithuanian]
(DNLM)

KOLESNIKOV, I. S., N. V. PUTOV, and A. T. GREBENNIKOVA. [Chronic pericarditides and their surgical treatment] Khronicheskie perikardity i ikh khirurgicheskoe lechenie. Moskva, Meditsina, 1964. 225 p.
(DNLM)

KONFERENTSIIA PO VOPROSAM REGENERATSII I KLETOCHNOGO RAZMNOZHENIIA, 3d, Moscow, 1962. [Materials of the Third Conference on Problems of Regeneration and Cell Reproduction] Materialy. Moskva, Akad. med. nauk SSSR [n. d.] 202 p.
[DNLM MICROFILM]

KONOVALOV, N. V. [Subacute anterior poliomyelitis] Podostryi perednii poliomielit. Moskva, Izd-vo "Meditsina," 1964. 95 p.
(DNLM)

KORST, L. O. [Tumors of the parietal lobes of the brain; clinical aspects and diagnosis] Opukholi temennykh dolei mozga; klinika i diagnostika. Moskva, Meditsina, 1964. 235 p.
(DNLM)

KRASNODAR. KUBANSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Climato- and balneotherapy and problems of hygiene at the health resorts of Krasnodar Territory] Klimato-bal'neoterapiia i voprosy gigieny na kurortakh Krasnodarskogo kraia. Krasnodar, Izd-vo "Sovetskaia Kuban'," 1961. 180 p.
(DNLM)

KUZ'MIN, M. K. [Lectures on the history of Russian medicine] Lektsii po istorii russkoi meditsiny. Moskva, Pervyi MOLMI im. I. M. Sechenova.
Lectures 4-5. [Russian medicine in the Patriotic War of 1812] Meditsina Rossii v Otechestvennuiu voinu 1812 goda. 1964. 73 p.

[LARGE MEDICAL ENCYCLOPEDIA] Bol'shaia meditsinskaia entsiklopediia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia Entsiklopediia,"
Vol. 35. Ekskretsiia—iashchur. Izd. 2. 1964. 1230 columns.
——— [List of articles and terms for the letters "E", "IU", "IA"] Perchen' statei i terminov na bukvy "E", "IU", "IA" (tridtsat' piatyi tom) 4 p.
——— [Phonorecord of sound phenomena appended to the article "Khripy"] Grammofonnaia plastinka soderzhit zapis' zvukovykh iavlenii k stat'e "Khripy," no. 37)

LEVANT, A. D. [Clinical aspects, diagnosis and surgical treatment of tricuspid stenosis] Klinika, diagnostika i khirurgicheskoe lechenie trikuspidal'nogo stenoza. Moskva, Meditsina, 1964. 154 p.
(DNLM)

LITHUANIAN S. S. R. Sveikatos apsaugos ministerija. Respublikiniai sanitarinio svietimo namai. [Let us protect children's health] Saugokime vaiku sveikata. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 166 p. [In Lithuanian]
(DNLM)

LOPUKHIN, IU. M., and M. N. MOLODENKOV. [Practical manual on operative surgery] Praktikum po operativnoi khirurgii. Izd. 2., perer. [Moskva] Meditsina, 1964. 234 p.
(DNLM)

LUCHINA, K. I., comp. [Collection of the most important official materials on the hygiene of children and adolescents] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigieny detei i podrostkov. Moskva, Meditsina, 1964. 378 p.

MAČEK, MILOŠ, JIŘINA ŠTEFANOVÁ, and BĚLA ŠVEJCAROVÁ. [Exercise therapy in children's diseases. Translated from the Czech] Lechebnaia fizkul'tura pri detskikh bolezniakh. Pod red. V. L. Strakovskoi. Moskva, Meditsina, 1964. 335 p.
(DNLM)

MOLCHANOV, N. S. [Hypotension and hypertension] Gipotoniia i gipertoniia. Moskva, Izd-vo "Znanie," 1964. 29 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 12)

MOSCOW. PSIKHONEVROLOGICHESKAIA GORODSKAIA BOL'NITSA No. 3. [Collection of scientific works dedicated to the 150th anniversary of the Hospital] Sbornik nauchnykh trudov, posviashchennyi 150-letiiu bol'nitsy. Pod obshchei red. V. M. Banshchikova i N. N. Krylovoi. Red. kollegiia: A. N. Zalmanzon i dr. Moskva, 1963. 487 p. [Cover title: Voprosy kliniki patofiziologii, patoanatomii, terapii psikhozov i organizatsii psikhonevrologicheskoi pomoshchi].
(DNLM)

MOVSHOVICH, I. A. [Scoliosis, surgical anatomy and pathogenesis] Skolioz, khirurgicheskaia anatomiia i patogenez. Moskva, Meditsina, 1964. 254 p.
(DNLM)

[MULTIVOLUME MANUAL ON OBSTETRICS AND GYNECOLOGY] Mnogotomnoe rukovodstvo po akusherstvu i genekologii. Moskva, Meditsina.
Vol. 3. Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologiia rodov i poslerodovogo perioda. Fiziologiia i patologiia novorozhdennogo.
Pt. 1. [Pathology of labor] Patologiia rodov. Red. L. S. Persianinov. 1964. 895 p.
(DNLM)

[MULTIVOLUME MANUAL ON PEDIATRICS] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina.
Vol. 5. [Infectious diseases in children] Infektsionnye bolezni v detskom vozraste. Red. toma M. M. Bubnova. 1964. 680 p.
(DNLM)

[MULTIVOLUME MANUAL ON THE MICROBIOLOGY, CLINICAL ASPECTS AND EPIDEMIOLOGY OF INFECTIOUS DISEASES] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina.
Vol 4. [Clinical aspects, pathology, diagnosis and treatment of infectious diseases and parasitic infestations. Antibiotics] Klinika, patologiia, diagnostika i lechenie infektsionnykh i invazionnykh boleznei. Antibiotiki. Red. G. P. Rudnev. 1964. 661 p.
(DNLM)

NAUCHNAIA KONFERENTSIIA PO VOPROSAM KLIMATOPATOLOGII SERDECHNO-SOSUDISTYKH ZABOLEVANII, 2d, 1962. [Abstracts of reports of the Scientific Conference on Problems in the Climatopathology of Cardiovascular Diseases] Tezisy dokladov. Moskva, In-t terapii Akad. med. nauk SSSR, 1962. 76 p.
[DNLM MICROFILM]

[illegible] ERENTSIIA PO [illegible] PORTU, VRACHEB[illegible] FIZICHESKOI [illegible] of the First [illegible] Physical Education, [illegible] Exercise Therapy] Materialy. Pod red. M. R. Mogendovicha, R. V. Z[illegible] i K. L. Geikhmana. Perm', Permskoe otd-nie Vses. nauchno-med. ob-va po vrachebnomu kontroliu i lechebnoi fizicheskoi kul'ture, 1963. 76 p.
[DNLM MICROFILM]

[NEW DEVELOPMENTS IN BIOLOGY AND MEDICINE] Novoe v biologii i meditsine. Leningrad, Ob-vo "Znanie," 1964. 5 nos.
Makarov, P. O. [New developments in the biophysics of stimulation and perception; neurodynamics of pain] Novoe v biofizike razdrazheniia i oshchushcheniia; neirodinamika boli. 55 p.
Gulinov, P. I. [Modeling in biological cybernetics and bionics. The problem of the medicinal treatment of cancer. Achievements of pharmacology in the research for new drugs] Modelirovanie v biologicheskoi kibernetike i bionike. Problema lekarstvennogo lecheniia raka [by] N. V. Lazarev. Uspekhi farmakologii v izyskanii novykh lekarstvennykh sredstv [by] S. V. Anichkov. 61 p.
Danilov, I. V., N. A. Kostomolotskaia, and P. B. K[illegible]lov. [Tonus and the working capacity of the brain. New developments in the prevention, diagnosis, and treatment of nervous diseases. Achievements in the prevention and treatment of mental diseases] Tonus i rabotosposobnost' mozga. Novoe v profilaktike, diagnostike i lechenii nervnykh boleznei [by] N. A. Kryshova. Dostizheniia v profilaktike i lechenii psikhicheskikh zabolevanii [by] D. N. Isaev i S. S. Mnukhin. 46 p.
Alisov, P. A., and A. P. Kazantsev. [Success in the control of infectious diseases. Role of vaccinations in the reduction and elimination of epidemic diseases. Achievements and difficulties in the prevention and treatment of skin diseases] Uspekhi v bor'be s infektsionnymi zabolevaniiami. Rol' privivok v snizhenii i likvidatsii epidemicheskikh zabolevanii [by] I. I. Rogozin. Dostizheniia i trudnosti v profilaktike i lechenii kozhnykh boleznei [by] P. V. Kozhevnikov. 64 p.
Uglov, F. G. [Surgery on the heart and vessels. Achievements of Soviet ophthalmology. Contemporary conception of atherosclerosis. New developments in the prevention and treatment of gastrointestinal diseases] Khirurgiia serdtsa i sosudov. Dostizheniia sovetskoi oftal'mologii [by] M. B. Chutko. Sovremennoe predstavlenie [illegible] [by] Z. M. [illegible] Novoe v [illegible] zheludochno-kishechnykh [illegible] [by] [illegible] Ko[illegible]. 55 p.
(DNLM)

OBROSOV, A. N., ed. [Manual of physiotherapy for practicing physicians] Spravochnik prakticheskogo vracha po fizioterapii. Izd. 2., perer. i dop. [Leningrad] Meditsina, 1964. 312 p.
(DNLM)

PON[illegible]REVA, [illegible] [Me[illegible] of the development [illegible] of prosthodontal [illegible] sposoby ustrane[illegible] Moskva, Izd-vo "Medi[illegible] [illegible] ka prakticheskogo [illegible]
(DNLM)

RESPUBLIKANS'KA NAUKOVO-PRAKTYCHNA KONFERENTSIIA, PRYSVIACHENA PYTANNIAM DYTIACHOI GINEKOLOGII [illegible] [Proceedings of [illegible] of girls [illegible] Pytannia [illegible] kyiv, [illegible] p.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

15 AGRICULTURE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

INTERNATIONAL DAIRY CONGRESS, [illegible] Copenhagen [illegible]

[illegible]

[illegible]

[illegible], and F. P. GUSENKOV. [Method of determining soil salinity with [illegible] salinometer and [illegible] the standard method] Metod [illegible] zasolennosti pochvo-gruntov [illegible] standartnoi metodiki. [illegible], 1963. 17 p.
[MICROFILM]

[illegible], M. K. [So that machinery would operate with high efficiency] Chtoby mashiny rabotali vysokoproizvoditel'no. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 174 p. (Bibliotechka mekhanizatora)
(DNAL)

[illegible], O. N., V. F. PLATONOV, and M. N. SHCHER-[illegible] [Fish location by hydroacoustic devices, a manual for ship captains and acousticians] Razvedka ryby [illegible] akusticheskimi priborami, posobie dlia sudovoditelei i akustikov [Murmansk] Murmanskoe knizhnoe izd-vo, 1960 70 p.
[MICROFILM]

KLAVINS, J [Improve the herd; Lenin Collective Farm of the Valmiera Agricultural Collective and State Farm Administration as a purebred cattle station] Izkopsim ganampulku, Valmieras kolkhozu un padomju saimniecibu razosanas parvaldes Lenina kolhozs-skirnes lopu audzetava Riga, Latvijas Valsts izd-ba, 1964 21 p [In Latvian]
(DNAL)

KODANEV, I. M. [Barley] IAchmen'. Moskva, Izd-vo "Kolos," 1964. 238 p.
(DNAL)

KOMAROVA, M K., and N. V FILATOV. [Overall mechanization of straw harvesting] Kompleksnaia uborka solomy. Moskva, Rossel'khozizdat, 1964 51 p.
(DNAL)

KONDYREV, V E [Substitutes for whole milk in raising calves] Zameniteli tsel'nogo moloka pri vyrashchivanii teliat Moskva, Izd-vo "Kolos," 1964 70 p.
(DNAL)

KOROLEV, B A [Let us intensify our agriculture] Vesti khoziaistvo intensivno Moskva, Izd-vo "Znanie," 1964 32 p (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no 11)

KOSTIN, I. A. [Stem pests of coniferous forests in Kazakhstan] Stvolovye vrediteli khvoinykh lesov Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR 1964. 181 p.
(DNAL)

KOZLOVSKII N. I. [Overall mechanization of sugar beet growing] Kompleksnaia mekhanizatsiia vozdelyvaniia sakharnoi svekly. Moskva, Izd-vo "Kolos," 1964. 382 p.
(DNAL)

LESNICHII, P. S. [In nature's workshop; notes of an experimenting agronomist] V masterskoi prirody; zapiski agronoma - opytnika. Moskva, Izd-vo "Kolos," 1964 78 p.
(DNAL)

LUPINOVICH, I. S. [Role of the liming of soils in the improvement of their fertility] Rol' izvestkovaniia pochv v povyshenii ikh plodorodiia. Minsk, Izd-vo "Urozhai," 1964. 41 p. (V pomoshch' izuchaiushchim osnovy agrozookhimii)
(DNAL)

MAISURIAN, N A. [Plant culture, laboratory and field exercises] Rastenievodstvo; laboratorno-prakticheskie zaniatiia. Izd. 5., perer. i dop Moskva, Izd-vo *"Kolos," 1964.* 398 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

A. [Fishes of northern Tajikistan and al use] Ryby Severnogo Tadzhikistana nnoe ispol'zovanie. Dushanbe, [Izd-vo ikskoi SSR], 1964. 43 p.

Beech growing] Razvedenie buka. esnaia promyshlennost'," 1964.

MARKUSHIN, A. P. [Effective life of farm animals] Sroki ispol'zovaniia sel'skokhoziaistvennykh zhivotnykh. [Moskva] Izd-vo "Kolos," 1964. 182 p.
(DNAL)

MARTYSHEV, F. G. [A short course on pond fisheries] Kratkii kurs prudovogo rybolovstva. Moskva, Vysshaia shkola, 1964 332 p

MASLENNIKOV, I. P., and M V OREKHOVSKAIA. [Controlling the pests and diseases of vegetable seed plants] Bor'ba s vrediteliami i bolezniami semennikov ovoshchnykh kul'tur Moskva, Izd-vo "Kolos," 1964. 70 p
(DNAL)

[MECHANIZATION OF ROW CROP CULTIVATION] Mekhanizatsiia vozdelyvaniia propashnykh. [Smolensk] *Smolenskoe knizhnoe izd-vo, 1963.* 88 p. (Bibliotechka mekhanizatora)
(DNAL)

MEDZHIEVSKAIA, E. I [22 centners of peas per hectare] 22 tsentera gorokha s gektara [Smolensk, Smolenskoe knizhnoe izd-vo, n. d.] 30 p. (Propashnoi sisteme - vysokuiu agrotekhniku)
(DNAL)

METLITSKII, Z. A. [The apple tree] IAblonia, [Izd. 4, dop. i perer. Moskva] Mosk. rabochii, 1964. 323 p.
(DNAL)

MIKHEEV, M. I. [Tissue extracts in animal husbandry; dry tissue extracts in tablets] Tkanevye preparaty v zhivotnovodstve; o sukhikh tkanevykh preparatakh v tabletkakh. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 8)

MINSK. INSTYTUT ZHYVELAHADOULI. [Increasing the production and improving the quality of meat; transactions of the White Russian Research Institute of Animal Husbandry] Uvelichenie proizvodstva i uluchshenie kachestva miasa, trudy Belorusskogo nauchno-issledovatel'skogo instituta zhivotnovodstva. Minsk, Izd-vo "Urozhai," 1964. 155 p.
(DNAL)

MORKONS, M., and A. ZVIRGZDS. [New woody plant species introduced into the Latvian S S. R.] Jaunas introduceto kokaugu sugas Latvijas PSR. Riga, LPSR Zinatnu akad. izd-ba, 1963. 93 p. [In Latvian]
(DNAL)

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [Protection of forest stands against *pests* and diseases] Zashchita lesnykh nasazhdenii ot vreditelei i boleznei. Moskva, 1963. 89 p.
[DNAL MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFII. [Summaries of scientific works of the All-Union Scientific Research Institute of Marine Fisheries and Oceanography] Annotatsii nauchnykh rabot VNIRO po planu 1962 goda. Moskva, 1963. 81 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. [Bibliographic index of published works by members of the All-Union Scientific Research Institute of Animal Husbandry, 1929-1962] Bibliograficheskii ukazatel' pechatnykh rabot sotrudnikov VIZHa 1929-1962. Pod red. A. S. Vsiakikh. [n. p.] Otdel nauchno-tekhn. informatsii VIZHa, 1962. 120 p.

NAGORSKAIA, E. D. [Lupine with low alkaloid content in the feeding of farm animals] Maloalkaloidnyi liupin v kormlenii sel'skokhoziaistvennykh zhivotnykh. Minsk, Izd-vo "Urozhai," 1964. 219 p.
(DNAL)

NAUCHNO-METODICHESKAIA KONFERENTSIIA O MERAKH PROFILAKTIKI NEZARAZNYKH BOLEZNEI SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH. [Prophylaxis and therapy of noninfectious diseases of farm animals] Profilaktika i lechenie nezaraznykh boleznei sel'skokhoziaistvennykh zhivotnykh. Pod red. I. E. Mozgova, P. S. Ionova, K. A. Ostapenko. Moskva, Izd-vo "Kolos," 1964. 254 p.
(DNAL)

NAUCHNOE SOVESHCHANIE, POSVIASHCHENNOE IZUCHENIIU I RYBOKHOZIAISTVENNOMU ISPOL'ZOVANIIU VNUTRENNIKH VODOEMOV GRUZII, 1st, Batum, 1961. [Transactions of the First Scientific Conference Dedicated to the Study and Use for Fisheries of the Inland Bodies of Water of Georgia] Trudy Batumi, Nauchno-issl. Rybokhoziaistvennaia stantsiia Gruzii, 1963. 161 p.

[NEW STARS ABOVE THE SEA] Novye zvezdy nad morem. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 46 p.
[MICROFILM]

NIKOLAEV, A. I. [New ways of sheep raising] Novye puti razvitiia ovtsevodstva. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 13)

ORLOV, A. V. [The tractor will not be idle in the field] Traktor v borozde ne stoit. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 10 p. (Bibliotechka mekhanizatora)
(DNAL)

ORLOVSKII, V. I., V. S. ZOTOVA, and D. A. GUSEV. [Aid to the rabbit raiser] V pomoshch' krolikovodu. Minsk, Izd-vo "Urozhai," 1963. 105 p.
(DNAL)

OVCHAROV, K. E. [Vitamins in plants] Vitaminy rastenii. Moskva, Izd-vo "Kolos," 1964. 246 p.
(DNAL)

PAVLUSHIN, P. IA., ed. [Instructive practices, advice, recommendations] Pouchitel'nye opyty, sovety, rekomendatsii. [Smolensk] Smolenskoe knizhnoe izd-vo, 1961. 55 p. (Sel'skokhoziaistvennyi universitet *na domu*)
(DNAL)

PODGAISKII, L. I. [Improve skills and raise productivity] Sovershenstvovat' masterstvo—povyshat' proizvoditel'nost'. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 35 p. (Bibliotechka mekhanizatora)
(DNAL)

POLIAKOV, I. IA. [Forecasting the distribution of farm crop pests] Prognoz rasprostraneniia vreditelei sel'skokhoziaistvennykh kul'tur. Leningrad, Izd-vo "Kolos," 1964. 326 p.
(DNAL)

[PROMISING SILAGE CROPS] Par perspektiviem skabbaribas augiem. Riga, Latvijas Valsts izd-ba, 1963 64 p. [In Latvian]
(DNAL)

PRUTSKOV, F. M., V. P. RUBTSOVA, and D. D. KNIUCHEV. [Plant growing] Rastenievodstvo. Moskva, Izd-vo "Kolos," 1964. 525 p.
(DNAL)

PUSHKINO. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESOVODSTVA I MEKHANIZATSII LESNOGO KHOZIAISTVA. [Survey of research works completed in 1962] Obzor nauchno-issledovatel'skikh rabot za 1962 god. Pushkino, 1963. 37 p.
[DNAL MICROFILM]

REMESLO, V. N. [The Mironovka 264 and 808 winter wheats] Ozimaia pshenitsa Mironovskaia 264 i Mironovskaia 808. Moskva, Izd-vo "Kolos," 1964. 11 p
(DNAL)

REVUT, I. B. [Soil physics] Fizika pochv. Leningrad, Izd-vo "Kolos," 1964. 318 p.

ROZENBAUMS, A. [Plant growing] Augkopiba. Riga, Latvijas Valsts izd-ba, 1964. 480 p. [In Latvian]
(DNAL)

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatic manual on Omsk Province] Agroklimaticheskii spravochnik po Omskoi oblasti. Leningrad, Gidrometeoizdat, 1963. 227 p.
(DNAL)

SHELUDIAK, N. I. [Land improvement and fertilizers] Melioratsiia i udobrenie. [Moskva] Mosk. rabochii, 1964. 34 p. (Ikh opyt dostupen vsem)
(DNAL)

[illegible]

16. TECHNOLOGY

[illegible]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu [Performance of self-propelled cyclic building machines] Ekspluatatsionnye kachestva samokhodnykh stroitel'nykh mashin tsiklicheskogo deistviia. Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Re[illegible] in the production of reinforced concrete panels in formworks, practices of factory no. 12 of the Main Administration of the Building Materials Industry, attached to the Executive Committee of the Moscow City Council of Workers' Deputies] [illegible] pri kassetnom proizvodstve zhelezobetonnykh panelei, opyt zavoda no. 12 Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1962. 22 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Rolled panels for walls of waterproofed gypsum slag concrete for sanitary engineering systems, practices of the "Tagilstroi" Trust of the Sverdlovsk Economic Council] Prokatnye paneli peregorodok iz vodostoikogo gipsoshlakobetona dlia sanitarno-tekhnicheskikh uzlov, opyt tresta "Tagilstroi" Sverdlovskogo sovnarkhoza. Moskva, Gosstroiizdat, 1962. 25 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Using cold asphalt mastic to waterproof reinforced concrete reservoirs] Primenenie kholodnoi asfal'tovoi mastiki dlia gidroizoliatsii zhelezo-betonnogo rezervuara, po materialam VNIIGS. Moskva, Gosstroiizdat, 1962. 11 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. ["Zaporozh'ye 800" installation for trenchless pipe laying using the horizontal drilling method, work practice of the Zaporozh'ye Construction Trust of the Order of Lenin] Ustanovka "Zaporozh'e-800" dlia bestransheinoi prokladki trub metodom gorizontal'nogo bureniia, iz opyta ordena Lenina tresta "Zaporozhstroi." Moskva, Gosstroiizdat, 1962. 27 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR.
[illegible] in-[illegible]ents for I-464A series houses] Puti povysheniia proizvodstvennoi moshchnosti zavodov, vypuskaiushchikh doma serii I-464A. Moskva, Gosstroiizdat, 1962. 28 p. (V pomoshch' krupnopanel'nomu domostroeniiu)
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. TSentral'nyi nauchno-issledovatel'skii institut stroitel'nykh konstruktsii. [Earthquake-proof construction in the U.S.S.R.] Seismostoikoe stroitel'stvo v SSSR. Moskva, 1963. 13 p.
[MICROFILM]

ALEKSANDROV, G. N. [Corona discharge on overhead power transmission lines] Koronnyi razriad na liniiakh elektroperedachi. Moskva, Izd-vo "Energiia," 1964. 227 p.

ALEKSANDROVSKII, A. V. [Materials for plasterers and slab and mosaic layers] Materialovedenie dlia shtukaturov, plitochnikov, mozaichnikov. Izd. 2., perer. i dop. Moskva, Vysshaia shkola, 1964. 246 p.

ALEKSEEV, A. G. [Organization and economics of electrical equipment installation operations] Organizatsiia i ekonomika elektromontazhnogo proizvodstva. Moskva, Izd-vo "Energiia," 1964. 149 p.

ALEKSEEV, P. I. [Strength of rods and beams] Ustoichivost' sterzhnei i balok. Kiev, "Budivel'nyk," 1964. 125 p.

ALENIN, M. P. [Gear-tooth stocking cutter and finish milling of 45G17IuZ low-magnetic steel] Chernovoe i chistovoe zubofrezerovanie malomagnitnoi stali 45G17IuZ. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka *metallov, no. 3)*

[AMATEUR DRIVER] Avtomobilist-liubitel'. [Moskva] Izd-vo "Fizkul'tura i sport," 1963. 119 p.

AMIRKHANOV, M-SH. I. [Possibilities of using Upper Sarmatian limestones of the Tarkitau in asphalt-concrete (hot) mixes] Issledovanie vozmozhnosti ispol'zovaniia verkhnesarmatskikh izvestniakov gory Tarkitau v asfal'tobetonnykh (goriachikh) smesiakh. Makhachkala, Dagestanskii gos. univ. imeni V. I. Lenina, 1963. 13 p.
[MICROFILM]

ANGARSKII, V. V. [Metal and precast reinforced concrete mine supports in the Kuznetsk Basin] Metallicheskaia i sbornaia zhelezobetonnaia krep' shakht Kuzbassa. Moskva, Izd-vo "Nedra," 1964. 211 p.

ANGERVAKS, A. I., and R. P. KOLESNIKOV. [Precision flashless die forging of bevel gear] Bezobloinaia shtampovka konicheskikh zubchatykh koles s profilem zuba. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem)

ANIKEEV, N. V. [Safety manual for granite workers (roughhewers)] Pamiatka po tekhnike bezopasnosti dlia granitchika (kamnetesa). Moskva, Stroiizdat, 1964. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

ANISIMOV, N. G., G. R. GIL'MANOV, and V. I. STRATIEV [Frequency-type remote control system for oil fields] Chastotnaia sistema telemekhanizatsii neftepromyslov. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 83 p.
[MICROFILM]

ANTROPOV, N., and G. I. KIBISOV [New stand with electrode holders for emission spectrum analysis] Novyi shtativ s derzhateliami elektrodov dlia emissionnogo spektral'nogo analiza. Leningrad, 1964. 6 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Kontrol' kachestva produktsii)

ARKULIS, G. E. [*Simultaneous plastic deformation of* dissimilar metals] Sovmestnaia plasticheskaia deformatsiia raznykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 270 p.

ARONOV, I. Z. [Contact gas economizers] Kontaktnye gazovye ekonomaizery. Kiev, Izd-vo "Tekhnika," 1964. 170 p.

ARSHINOV, V. A., and G. A. ALEKSEEV. [Metal cutting and metal-cutting tools] Rezanie metallov i rezhushchii instrument. Moskva, Izd-vo "Mashinostroenie," 1964. 543 p.

ARTAMONOV, M. D., and IU. V. MIKHAILOVSKII. [The locomobile and diesel engine in lumbering] Lokomobil' i dizel' v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 263 p.

[ASBESTOS PRODUCTS] Asbestovye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 96 p. (SSSR. Gosudarstvennye standarty)

[ASSEMBLER'S HANDBOOK ON PERFORMING MECHANICAL ASSEMBLY AND SPECIAL WORK ON GRAIN ELEVATORS AND GRAIN PROCESSING ENTERPRISES] Spravochnik montazhnika po proizvodstvu mekhanomontazhnykh i spetsial'nykh rabot na elevatorakh i predpriiatiiakh po pererabotke zerna. Moskva, TSentr. in-t nauchno-tekhn. informatsii i tekhniko-ekon. issl., 1963. 519 p.

ASSONOV, A. D. [Modern methods of heat treatment] Sovremennye metody termicheskoi obrabotki. Moskva, Izd-vo "Mashinostroenie," 1964. 188 p.

ASSOVSKII, I. V. [Using direct flow hydraulic classifiers at enterprises of the Glavlenstroimaterialy system] Ob opyte primeneniia priamotochnykh gidroklassifikatorov na predpriiatiiakh sistemy Glavlenstroimaterialy. Leningrad, 1964. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia Stroitel'noe proizvodstvo)

ASTAKHOV, A. S. [Linear programming in mining] Lineinoe programmirovanie v gornom dele. Moskva, Izd-vo "Nedra," 1964. 143 p.

BABENKO, I. I. [Water supply of livestock farms] Vodosnabzhenie zhivotnovodcheskikh ferm. Moskva, Izd-vo "Kolos," 1964. 286 p.

BABKOV, V. F. [Road conditions and traffic safety] Dorozhnye usloviia i bezopasnost' dvizheniia. Moskva, Izd-vo "Transport," 1964. 168 p.

BADIAGIN, A. A., and E. A. OVRUTSKII. [Design of passenger airplanes taking into consideration the economic aspects of their operation] Proektirovanie passazhirskikh samoletov s uchetom ekonomiki ikh ekspluatatsii. Moskva, Mashinostroenie, [illegible]

BALAZOVSKII, M. IA. [Nondestructive testing methods] Nerazrushaiushchie metody kontrolia. Moskva, Izd-vo "Mashinostroenie," 1964. 51 p. (Biblioteka kontrolera-mashinostroitelia)

BARAMIDZE, V. A. [Self-stabilizing transistor amplifiers] Samostabilizirushchiesia tranzistornye usiliteli. Leningrad, 1964. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia. Pribory i elementy avtomatiki, [illegible])

BARINOV, L. V. ["Pentaflex 16" narrow-film motion picture cameras; textbook for students of correspondence courses] Uzkoplenochnye kinos"emochnye kamery "Pentafleks-16", uchebnoe posobie dlia studentov zaochnikov. Moskva, Vses. gos. in-t kinematografii, 1963. 40 p.

BARINOV, N. A. [Water-cooled cupola furnaces and their metallurgical possibilities] Vodookhlazhdaemye vagranki i ikh metallurgicheskie vozmozhnosti. Moskva, Izd-vo "Mashinostroenie," 1964. 275 p.

BARYSHNIKOV, V. D. [Automatic electric drives of modern highly efficient lengthwise cutting machines for paper and cardboard] Avtomatizirovannye elektroprivody sovremennykh vysokoproizvoditel'nykh prodol'no-rezatel'nykh stankov dlia bumagi i kartona. Leningrad, 1964. 37 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Promyshlennaia energetika i gazifikatsiia predpriiatii, no. 1)

BEILIN, SH. I. [Manual for wood turners] Posobie dlia tokarei po derevu. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 114 p.

BEKETOV, V. P. [Amazing transformations] Udivitel'nye prevrashcheniia. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 67 p. (Populiarno-tekhnicheskaia seriia)

BELEN'KII, S. I. [Increasing the service life of parts in the modernization and repair of textile equipment] Povyshenie dolgovechnosti detalei pri modernizatsii i remonte tekstil'nogo oborudovaniia. Moskva, Izd-vo "Legkaia industriia," 1964. 306 p.

BELITSKII, A. S., and V. V. DUBROVSKII. [Planning exploratory-production wells for water supply] Proektirovanie razvedochno-ekspluatatsionnykh skvazhin dlia vodosnabzheniia. Moskva, Izd-vo "Nedra," 1964. 226 p.

BELOV, A. D. [Technology of smelting stainless steels with special industrial and operational properties] Tekhnologiia plavki nerzhaveiushchikh stalei s osobymi tekhnologicheskimi i ekspluatatsionnymi svoistvami. Leningrad, 1964. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Liteinoe proizvodstvo, no. 1)

BENIAKOVSKII, M. A., and others. [Quality of sheet surfaces] Kachestvo poverkhnosti listov. Moskva, Izd-vo "Metallurgiia," 1964. 53 p.

DZHUMABAEV, N. D., and N. A. PIROGOVSKII. [Universal automated continuous production line for the manufacture of sausage products] Universal'naia potochno-avtomatizirovannaia liniia proizvodstva kolbasnykh izdelii. Tashkent, Gosizdat UzSSR, 1962. 33 p. (Za tekhnicheskii progress)
[MICROFILM]

EFENDIEV, G. KH., R. A. ALEKPEROV, and A. N. NURIEV. [Problems in the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 149 p.

EFIMETS, I. D. [Electric power supply sources for communication apparatus] Istochniki elektropitaniia ustanovok sviazi. Leningrad, Leningr. elektrotekhn. in-t sviazi im. M A. Bonch-Bruevicha.

No. 2 [Use of storage batteries. Technical characteristics of charging and power supplying stations] Ekspluatatsiia akkumuliatorov Tekhnicheskaia kharakteristika zariadnykh i elektropitaiushchikh stantsii, uchebnoe posobie. 1963. 49 p.

EFIMOV, E. G. [Magnetic pickup heads for sound recorders in radiobroadcasting] Magnitnye golovki dlia zvukozapisyvaiushchei apparatury v radioveshchanii. - Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 42 p.
[MICROFILM]

EGOROV, I. G. [Operation and repair of motor-vehicle and tractor storage batteries] Ekspluatatsiia i remont avtotraktornykh akkumuliatornykh batarei. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 72 p.

EIDENZON, M A. [Preparation of magnesium and chlorine by the electrolysis of fused magnesium chloride] Proizvodstvo magniia i khlora elektrolizom rasplavlennogo khloristogo magniia. Moskva, Izd-vo Metallurgiia, 1964. 124 p.

EIGENBROT, V. M. [Means of optimalizing control] Sredstva ekstremal'nogo regulirovaniia. Moskva, Vses. zaochnyi in-t pishchevoi promyshl., 1963. 21 p.
[MICROFILM]

[ELECTRIC EQUIPMENT FOR OIL AND GAS FIELDS] Elektrooborudovanie neftianykh i gazovykh promyslov. Moskva, Izd-vo "Nedra," 1964. 303 p. (Biblioteka energetika-neftianika)

[ELECTRICAL HOUSEHOLD APPLIANCES] Elektrobytovye pribory. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 191 p. (SSSR. Gosudarstvennye standarty)

ERMAK, I. I. [Increasing reliability and longevity in mining machinery construction] Povyshenie nadezhnosti i dolgovechnosti v gornom mashinostroenii. Moskva, Izd-vo "Nedra," 1964. 59 p.

EROFEEV, V. I. [Principles of the design and technology of the manufacture of electronic apparatus; a textbook] Osnovy konstruirovaniia i tekhnologii izgotovleniia elektronnoi apparatury; uchebnoe posobie. Pod red. N. V. Sinitsyna. Moskva, Rosvuzizdat, 1962. 150 p.
[MICROFILM]

EVSEEV, V. N., G. I. KUZHMAN, and A. A. SOKOLOV. [Mining peat fuel in the Far North] Dobycha torfianogo topliva na Krainem Severe. Pod red. S. G. Solopova. Moskva, Gosenergoizdat, 1960. 43 p.
[MICROFILM]

EVSEEV, V. S. [Introducing and studying parameters of systems of mining wide flat seams] Opyt vnedreniia i issledovaniia parametrov sistem razrabotki moshchnykh pologopadaiushchikh plastov. [Moskva] Izd-vo "Nedra," 1964. 141 p.

FAINSHTEIN, S. IA. [Production of chlorine by the method of diaphragm electrolysis] Proizvodstvo khlora metodom diafragmennogo elektroliza. Moskva, Izd-vo "Khimiia," 1964. 255 p.

FEDOROV, N. F. [New research and hydraulic calculations for sewerage systems] Novye issledovaniia i gidravlicheskie raschety kanalizatsionnykh setei. Izd. 2., perer. i dop. Leningrad, Stroiizdat, 1964. 320 p.

FEIGIN, V. I. [Electronic and semiconductor instruments in metallurgy] Elektronnye i poluprovodnikovye pribory v metallurgii. Moskva, Izd-vo "Metallurgiia," 1964. 386 p.

FIEBRANZ, AUGUST [Antenna devices for the reception of radio and television broadcasts Translated from the German] Antennye ustroistva dlia priema televideniia i radioveshchaniia Moskva, Izd-vo "Sviaz," 1964. 248 p. (Biblioteka "Televizionnyi priem," no. 12)

FILINOV, S. A., and I. V. FIRGER [Handbook on the heat treatment of metals] Spravochnik termista Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 242 p.

[FINISHING AND FACING MATERIALS FOR CONSTRUCTION WORK] Materialy otdelochnye i oblitsovochnye dlia stroitel'nykh rabot. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 247 p. (SSSR. Gosudarstvennye standarty)

FOFANOV, A. A., and A. S. RUDAKOV [Resistance welding; a handbook] Kontaktnaia svarka; spravochnik. Moskva, Izd-vo "Mashinostroenie," 1964. 111 p

FUGZAN, M. D. [Practice of single-stage mining of thick ore deposits with large-scale breaking down] Opyt odnostadiinoi razrabotki moshchnykh rudnykh mestorozhdenii s massovoi otboikoi. Moskva, Izd-vo "Nedra," 1964. 130 p.

[FUNDAMENTALS OF CONSTRUCTION PLANNING OF DEPOTS AND PLANTS FOR RAILROAD TRANSPORTATION AND OF THE PLANNING OF THEIR TERRITORIES] Osnovy stroitel'nogo proektirovaniia depo i zavodov zheleznodorozhnogo transporta i planirovki ikh territorii; uchebnoe posobie. [By] N. I. Adzhimamudian i dr. Leningrad, Leningr. in-t inzhenerov zheldor. transporta im. V. N. Obraztsova, 1963. 79 p.
[MICROFILM]

GALEMIN, I. M., and A. V. GOROKH. [Carbon lining of blast furnaces] Uglerodistaia futerovka domennykh pechei. Moskva, Izd-vo Metallurgiia, 1964. 99 p.

GAL'PERIN, I. I. [Automatic control as unilateral mechanics] Avtomatika kak odnostoronniaia mekhanika. Moskva, Izd-vo "Energiia," 1964. 262 p.

GARTMEN, G. A. [Radioelectronics in agriculture] Radioelektronika v sel'skom khoziaistve. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 524)

GAVRILOV, A. N., ed. [Manufacture of instruments and means for automatic control; manual in five volumes] Priborostroenie i sredstva avtomatiki; spravochnik v piati tomakh. Moskva, Mashinostroenie.

Vol. 2. [Construction and calculation of devices] Konstruktsiia i raschet priborov.

Book 2. Shchedrovitskii, S. S., ed. [Measuring instruments and their electrical components] Izmeritel'nye pribory i ikh elektricheskie elementy. 1964. 391 p.

Vol. 3. [Technology of instrument manufacture] Tekhnologiia priborostroeniia.

Book 2. Syrovatchenko, P. V., ed. [Technology of the assembly of elements of instruments and means of automation] Tekhnologiia sborki elementov priborov i sredstv avtomatiki. 1964. 391 p.

GERASHCHENKO, O. A., and V. G. FEDOROV. [Technique of the heat-engineering experiment] Tekhnika teplotekhnicheskogo eksperimenta. Kiev, Izd-vo "Naukova dumka," 1964. 161 p.

GIL'MAN, A. I. [Universal pneumatic lathe chucks] Universal'nye pnevmaticheskie tokarnye patrony. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 111 p.

GIZATULLIN, R. K. [Dual control of the fuel pumps of diesel locomotive engines] Dvoinaia regulirovka toplivnykh nasosov teplovoznykh dizelei. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 23 p.
[MICROFILM]

GLEBOV, B. A. [Transistor blocking oscillators in slave operation with saturable transformers] Poluprovodnikovyi zhdushchii blokinggenerator s nasyshchaiushchimsia transformatorom. Pod red. A. A. Lukina. Moskva, Mosk. energeticheskii in-t, 1963. 82 p.
[MICROFILM]

GLUSHKOV, G. N., V. A. DENISOV, and M. I. KRAITSBERG. [Electrical equipment and power supply in construction] Elektrooborudovanie i elektrosnabzheni stroitel'stva. Moskva, Stroiizdat, 1964. 310 p.

GOGIIA, V. T. [Tea storage] Khranenie chaia. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 89 p.

GOLIKOV, V. I., and Z. F RESINA. [Intensification of veneering and gluing operations in the manufacture of furniture] Intensifikatsiia faneroval'nykh i skleechnykh rabot v proizvodstve mebeli. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 119 p.

GOLOVIN, G. F., ed. [Industrial uses of high-frequency currents] Promyshlennoe primenenie tokov vysokoi chastoty. Moskva, Mashinostroenie, 1964. 331 p.

GOLOVINTSOV, A. G., ed. [Rotary compressors] Rotatsionnye kompressory. [By] A. G. Golovintsov i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 314 p.

GONCHARENKO, N. T. [Organization of lumber loading] Organizatsiia pogruzki lesomaterialov. Moskva, Izd-vo Lesnaia promyshlennost', 1964. 147 p.

GORAZDOVSKII, T. IA. [Nondestructive testing of metals; physical means of providing reliability] Nerazrushaiushchii kontrol' metallov, fizicheskie sredstva obespecheniia nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia Tekhnika, no. 12)

GORIACHEVA, I. A., and M. M. SAPOZHNIKOV. [Use of plastics in sanitary engineering] Primenenie plastmass v sanitarnoi tekhnike. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Materialy kratkosrochnogo seminara "Effektivnye stroitel'nye materialy i primenenie ikh v konstruktsiiakh")

GORON, I. E [Construction of skeleton diagrams and level diagrams of radio broadcasting channels] Postroenie skeletnykh skhem i diagramm urovnei radioveshchatel'nykh traktov. Moskva, Izd-vo "Sviaz'," 1964. 23 p. (Tekhnika radioveshchaniia)

GOSUDARSTVENNYI INSTITUT PRIKLADNOI KHIMII [Chemistry and technology of luminophors] Khimiia i tekhnologiia liuminoforov; sbornik statei. Pod red L. IA. Markovskogo. Moskva, Izd-vo "Khimiia," 1964 127 p.

GRAKOV, V. I. [Dies with electromagnetic fastening on presses; design, electric circuits, preparation and operation] Shtampy s elektromagnitnym krepleniem na pressakh; konstruktsii, elektricheskie skhemy, izgotovlenie i ekspluatatsiia. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 183 p.

GRIGOR'EV, V. I. [Organization of telegraph communication using a straight connections system] Organizatsiia telegrafnoi sviazi po sisteme priamykh soedinenii. Moskva, Sviaz'izdat, 1961. 41 p. (Lektsii po tekhnike sviazi)

GRIMITLIKHT, E. I. [Technology of manufacturing clamp and feed collets with a diameter of from 2 to 50 mm] Tekhnologiia izgotovleniia zazhimnykh i podaiushchikh tsang diametrom ot 2 do 50 mm. Leningrad, 1964. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

GRUBE, A. E., and V. I. SANEV. [Automation of the machining of parts in the woodworking industries] Avtomatizatsiia stanochnoi obrabotki detalei v derevoobrabatyvaiushchei promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 540 p.

GUBIN, A. I., and A. M. KITAEV. [Welding and soldering thin-walled pipes] Svarka i paika tonkostennykh truboprovodov. Moskva, Mashinostroenie, 1964. 110 p.

GUL', V. E. [Strength of polymers] Prochnost' polimerov. Moskva, Izd-vo "Khimiia," 1964. 227 p.

GURARI, N. G., and B. F. UR'IASH. [Mechanization of flaying in meat packing plants] Mekhanizatsiia s"emki shkur na miasokombinatakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 98 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [Mechanization and automation of [illegible] Moskva, [illegible] p.

[MICROFILM]

[illegible] Moskva, [illegible]

[MICROFILM]

[illegible] Moskva, [illegible]

[illegible] Moskva, [illegible]

[illegible]

[illegible] Moskva, [illegible]

[illegible] Moskva, [illegible]

[MICROFILM]

[illegible] Moskva, Transport, [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[MICROFILM]

KONFERENTSIIA PO OBRABOTKE INFORMATSII, MASHINNOMU PEREVODU I AVTOMATICHESKOMU CHTENIIU TEKSTA, Moskva, 1961. [Computer and information technology] [illegible] Moskva, [illegible] 1962. 229 p.

[MICROFILM]

KOSHKIN, V. G., A. A. GORBUNOVA, and M. A. KONSTANTINOVA. [Polymer strip-type parts for buildings; their manufacture and use] Polimernye pogonazhnye izdeliia dlia stroitel'stva, proizvodstvo i primenenie. Moskva, Stroiizdat, 1964. 93 p. (Novye stroitel'nye materialy)

KOTIK, M. G., and others, comps [English-Russian aviation dictionary] Anglo-russkii aviatsionnyi slovar. Pod obshchei red. A M. Murashkevicha Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 667 p

KOTLIAR, L. I, and others [Design and operation of sieves in screening machines] Konstruktsiia i ekspluatatsiia sit proseivaiushchikh mashin. Pod red. A. IA. Sokolova. Moskva, 1963. 130 p.
[MICROFILM]

KOVALEV, A. IA. [The V. I. Lenin Volga Hydroelectric Power Station] Volzhskaia gidroelektrostantsiia im. V. I. Lenina. Pod red. P. A. Volodina. Moskva, Izd-vo lit-ry po stroitel'stvu, 1964. 142 p. illus.

KOZIN, B. S., and I. T. KOZLOV. [Selecting the systems for a staged development of railroad lines; methods using electronic digital computers] Vybor skhem etapnogo razvitiia zheleznodorozhnykh linii; s primeneniem ETsVM. Moskva, Transport, 1964. 152 p. (Kibernetika na transporte)

KOZLOV, A. E., and others. [Manufacture of diaphragms and bellows from beryllium bronze] Izgotovlenie membran i sil'fonov iz berillievoi bronzy. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 2)

KOZLOVA, M. P. [Safety measures and labor protection in enterprises of the woolen and worsted industries] Tekhnika bezopasnosti i okhrana truda na predpriiatiiakh sherstianoi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 125 p.

KRASOVSKII, E. P., and A. G. SHAPOVALENKO. [Automatic control of asynchronous motors] Avtomaticheskoe upravlenie asinkhronnymi dvigateliami. Kiev, "Tekhnika," 1964. 170 p. (Bibliotechka po avtomatike)

KRČMA, RADKO, and others. [Nonwoven textile materials. Translated from the Czech] Netkanye tekstil'nye materialy. Moskva, Izd-vo "Legkaia industriia," 1964. 243 p.

KREMS, A. IA. [History of Soviet oil and gas geology; historical sketches of the science] Istoriia sovetskoi geologii nefti i gaza; nauchno-istoricheskie ocherki. Leningrad, Izd-vo, Nedra," 1964. 378 p.

KRISTALL, Z. B. [Modern yeast separators] Sovremennye drozhzhevye separatory. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 41 p. (III Seriia. Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 70)
[MICROFILM]

KRIVOSHEIN, I A. [Household electric heating appliances and equipment] Bytovye elektronagrevatel'nye pribory i ustanovki. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 182 p.

KRIVTSOV, D. P., and I. G. SHAPIRO. [Laying tiles, mosaics, and "xyloliths"] Plitochnye, mozaichnye i ksilolitovye raboty. Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1964. 301 p.

KUDRIAVTSEV, K. A [Average values of taper and volume of round lumber] Velichiny srednego sbega i ob"emov kruglykh lesomaterialov. Ioshkar-Ola, Povolzhskii leso-tekhn. in-t im. M. Gor'kogo, 1962. 20 p.
[MICROFILM]

KULAGIN, S. V. [Photography and photographic apparatus] Fotografiia i fotoapparatura. [Petrazavodsk], Rosvuzizdat, 1963. 282 p.

KULICHIKHIN, N. I., and A. S. MUZYCHENKO, eds. [Handbook for mine foremen of prospecting parties] Spravochnik gornogo mastera geologorazvedochnykh partii. [By] A. O. Vercheba i dr. Moskva, Izd-vo "Nedra," 1964. 443 p.

KULISHENKO, B. A., and others. [Hard facing of metals; a worker's pocket handbook] Naplavka metallov, karmannyi spravochnik rabochego. Moskva, Izd-vo "Mashinostroenie," 1964. 130 p.

KUTIKOV, G. S. [Maintenance of motor vehicles] Tekhnicheskoe obsluzhivanie avtomobilei. Izd. 2., perer. Moskva, Transport, 1964 61 p. (Nauchno-populiarnaia biblioteka avtomobilista)

KUTUKOVA, G A, and L. K. MARKOV. [Use of electronic digital computers for the preparation of a plan for making up trains] Sostavlenie plana formirovaniia poezdov na elektronnykh tsifrovykh vychislitel'nykh mashinakh. Moskva, 1963. 12 p.

KUTYLOVSKII, M. P., and others. [Mechanical equipment of the rolling stock of street railroads] Mekhanicheskoe oborudovanie podvizhnogo sostava tramvaia. Moskva, Izd-vo M-va kommun khoz. RSFSR, 1963. 405 p.

KUVSHINSKII, V. V. [Milling] Frezerovanie. Izd. 3., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 61 p. (Nauchno-populiarnaia biblioteka rabochego-stanochnika)

KUZ'MIN, M. P. [Electrical simulation of some nonsteady thermal processes] Elektromodelirovanie nekotorykh nestatsionarnykh teplovykh protsessov. Moskva, Izd-vo "Energiia," 1964. 119 p.

KUZNETSOV, L. V., ed. [High-torque hydraulic engines] Vysokomomentnye gidromotory. Moskva, Vses. nauchno-issl. in-t pod"emno-transportnogo mashinostroeniia, 1962. 109 p.
[MICROFILM]

KUZNETSOV, O. A., B. I. GOLUB', and V. F. BREKHOVSKIKH. [Automatic temperature control in industry; survey of foreign engineering] Avtomaticheskii kontrol' temperatury v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 92 p. (Tema 13)
[MICROFILM]

KUZNETSOVA, A. E. [Water supply for fire extinction] Protivopozharnoe vodosnabzhenie. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 267 p.

LAKEDEMONSKII, A. V. [Bimetal castings] Bimetallicheskie otlivki. Moskva, Mashinostroenie, 1964. 179 p.

LAZINTSEV, D. N. [Safety engineering in laying and repairing pipes in chemical plants] Tekhnika bezopasnosti pri montazhe i remonte truboprovodov v khimicheskikh proizvodstvakh. Moskva, Izd-vo "Khimiia," 1964. 64 p. (Pamiatka po tekhnike bezopasnosti)

[LEATHER FOOTWEAR, BASIC AND AUXILIARY MATERIALS AND TRIMMINGS] Obuv' kozhanaia, osnovnye i vspomogatel'nye materialy i furnitura. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 589 p. diagrs. (insert. SSSR. Gosudarstvennye standarty)

LENINGRAD. INSTITUT TOCHNOI MEKHANIKI I OPTIKI. Kafedra fiziki. [Handbook on laboratory work in physics; section: Electricity] Rukovodstvo k laboratornym rabotam po fizike; razdel: Elektrichestvo. Sost. E. V. Arsen'eva, I. V. Pavlova. Leningrad, 1962. 82 p.

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROTEKHNIKI. [Annotations on research work in hydraulic engineering completed in 1960] Annotatsii zakonchennykh v 1960 godu nauchno-issledovatel'skikh rabot po gidrotekhnike. Moskva, Gos. energeticheskoe izd-vo, 1962. 662 p.
[MICROFILM]

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII KOTLOTURBINNYI INSTITUT. [Aerodynamical design of boiler systems; standardized method] Aerodinamicheskii raschet kotel'nykh ustanovok; normativnyi metod. S prilozheniem al'boma grafikov dlia raschetov. Pod red. S. I. Mochana. Izd. 2. Moskva, Izd-vo "Energiia," 1964. 143 p.

____ [Aerodynamical design of boiler systems; graphs for calculations] Aerodinamicheskii raschet kotel'nykh ustanovok; grafiki dlia raschetov. 43 p.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT TSEMENTNOI PROMYSHLENNOSTI. [Exchange of experience in the cement industry] Sbornik po obmenu opytom v tsementnoi promyshlennosti. Moskva, TSentr. in-t nauchnoi informatsii po stroitel'stvu i arkhitekture AS i A SSSR.
No. 1-2. 1960. 2 v.
[MICROFILM]

LEVITIN, B. S., and G. A. VORONTSOV. [Use of aluminum alloys in crane metal structures] Primenenie aliuminievykh splavov v kranovykh metallokonstruktsiiakh. Moskva, Mashinostroenie, 1964. 191 p.

LIGERMAN, I. I. [Design of electric equipment of rolling mills] Konstruirovanie elektricheskikh ustanovok prokatnykh tsekhov. Izd. 2., perer. i dop. Moskva, Izd-vo "Metallurgiia," 1964. 366 p.

LIPUKHIN, V. A. [Sheet rolling in capitalist countries] Listoprokatnoe proizvodstvo v kapitalisticheskikh stranakh. Moskva, Izd-vo Metallurgiia, 1964. 204 p.

LITVIN, F. L, and others. [Gear-cutting machines for cutting noncircular gear wheels] Zuboreznye stanki dlia narezaniia nekruglykh koles. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no 1)

LITVIN, O. B. [Fundamentals of the technology of rubber synthesis] Osnovy tekhnologii sinteza kauchukov Izd. 2., perer i dop. Moskva, Izd-vo "Khimiia," 1964. 648 p.

LOGINOV, A. G. [Organization, planning, and design of rural telephone systems] Organizatsiia, planirovanie i proektirovanie sel'skoi telefonnoi sviazi. Moskva, Izd-vo "Sviaz'," 1964. 147 p.

LOSEV, B. I., M. L. MONINA, and G. V. PUTINTSEV. [Using plastics and synthetic materials in the petroleum and gas industry] Ispol'zovanie plasticheskikh mass i sinteticheskikh materialov v neftegazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 243 p.

LOSEV, I. P., and E. B. TROSTIANSKAIA. [Chemistry of synthetic polymers] Khimiia sinteticheskikh polimerov. 2. izd. Moskva, Izd-vo "Khimiia," 1964. 640 p.

LOZNOVSKII, IU. IA. [Thickness measuring device using radioactive isotopes for controlling the thickness of films and sheet materials in their manufacture] Radioaktivnyi tolshchinomer dlia avtomaticheskogo kontrolia tolshchiny izgotovleniia. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 1)

LUKOVNIKOV, A. V. [Fundamentals of safety engineering and fire-prevention techniques] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Izd-vo "Kolos," 1964. 238 p.

LUNEV, V. E. [A word about lead] Slovo o svintse. Moskva, Izd-vo "Metallurgiia," 1964. 106 p.

LYSIUK, V. S., and M. P. BASSARSKII. [Mechanical wear of wooden ties and means for its prevention] Mekhanicheskii iznos derevlannykh shpal i mery ego preduprezhdeniia. Moskva, Transzheldorizdat, 1963. 33 p. (Dostizheniia nauki i tekhniki — v proizvodstvo)

MAGAZINER, V. V., V. N. TYNIANOV, and I. N. FIL'KIN. [Operation of single-crank single-acting presses] Ekspluatatsiia odnokrivoshipnykh pressov prostogo deistviia. Moskva, Mashinostroenie, 1964. 124 p.

MAKAROV, A. IA., comp. [Reference manual on building materials] Spravochnik po stroitel'nym materialam [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 647 p.

MAKSIMOV, G. A. [Heating and ventilation] Otoplenie [illegible] [illegible] perer. 1963. [illegible]

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TEORII I ISTORII ARKHITEKTURY I STROITEL'NOI TEKHNIKI [Outline history of structural engineering in Russia in the 19th century and the beginning of the 20th] Ocherki istorii stroitel'noi tekhniki Rossii XIX-nachala XX vekov. Moskva, Izd-vo lit-ry po stroit., 1964. 370 p.

MOSCOW. TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU [Calculating cutting conditions for multitool machining on machine tools] Metodika rascheta rezhimov rezaniia pri mnogoinstrumental'noi obrabotke na metallorezhushchikh stankakh. Moskva, 1962. 42 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Materials of the All-Union Interfactory School on the study and generalization of experience in color dyeing and refinement of the hair cover of sheep peltries] Materialy Vsesoiuznoi mezhfabrichnoi shkoly po izucheniiu i obobshcheniiu opyta tsvetnogo krasheniia i oblagorazhivaniia volosianogo pokrova mekhovoi ovchiny. Moskva, 1963. 30 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Determination of moisture in the alcohol, liquor and vodka industries] Opredelenie vlazhnosti v spirtovoi i likero-vodochnoi promyshlennosti. Moskva, 1963. 28 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Continuous action equipment for the bleaching of cotton cloth and knitted fabrics] Oborudovanie nepreryvnogo deistviia dlia otbelki khlopchatobumazhnoi tkani i trikotazhnogo polotna. Moskva, 1963. 33 p. (Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 67)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [Collection of articles on the automation of stationary equipment] Sbornik statei po avtomatizatsii statsionarnykh ustanovok. Moskva, 1962. 65 p. (Seriia Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [Hydraulic coal mining in the Kuznetsk Basin] Opyt gidravlicheskoi dobychi uglia v Kuzbasse. Moskva, 1962. 97 p. (Seriia. Tekhnologiia i ekonomika podzemnoi dobychi uglia)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [Mechanization of auxiliary operations in coal mines; a survey] Mekhanizatsiia vspomogatel'nykh rabot na ugol'nykh shakhtakh; obzor. Moskva, 1962. 229 p. (Seriia. Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie)
[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [Improving technological processes in the production of sulfate pulp] Usovershenstvovanie tekhnologicheskikh protsessov sul'fatnogo proizvodstva. Moskva, 1963. 39 p. (Bumaga i tselliuloza)
[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Basis for predicting the oil and gas occurrences of North America on the basis of the correlation of regional geologic data; digest of foreign literature] Obosnovanie prognozov neftegazonosnosti Severnoi Ameriki po materialam regional'nogo geologicheskogo obobshcheniia; obzor zarubezhnoi literatury. Moskva, 1963. 31 p. (Seriia: Neftegazovaia geologiia i geofizika)
[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII TSVETNOI METALLURGII. [Rotary hearth furnaces, their operation and adjustment] Vrashchaiushchiesia pechi i ikh tekhnicheskoe obsluzhivanie. Moskva, 1963. 42 p. (Metallurgiia legkikh metallov)
[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROGEOLOGII I INZHENERNOI GEOLOGII. [Determination of sodium and potassium ions in natural waters by the method of flame photometry, methodological instructions] Opredelenie ionov natriia i kaliia v prirodnykh vodakh metodom fotometrii plameni· metodicheskie ukazaniia. Moskva, 1962. 16 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU MAGISTRAL'NYKH TRUBOPROVODOV. [Safety measures in cleaning, insulating, and laying pipelines] Tekhnika bezopasnosti pri ochistke, izoliatsii i opuskanii truboprovodov. Moskva, Izd-vo "Nedra," 1964. 46 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU MAGISTRAL'NYKH TRUBOPROVODOV. [Safety measures in loading, unloading, stacking, and transporting steel pipes and sections] Tekhnika bezopasnosti pri razgruzke, pogruzke, ukladke i perevozke stal'nykh trub i sektsii. Moskva, Izd-vo "Nedra," 1964. 70 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU MAGISTRAL'NYKH TRUBOPROVODOV. [Safety measures in preparing the route for the construction of pipelines] Tekhnika bezopasnosti pri podgotovke trassy k stroitel'stvu truboprovodov. Moskva, Izd-vo "Nedra," 1964. 53 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESOVODSTVA I MEKHANIZATSII LESNOGO KHOZIAISTVA. [Studying the performance of new machinery in silvicultural work; scientific papers] Issledovanie rabochikh protsessov novykh mashin na lesokul'turnykh rabotakh, nauchnye trudy. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 111 p.

MOSCOW. VSESOIUZNYI TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SAKHARNOI PROMYSHLENNOSTI. [Manual for chemical and technological control and accounting in sugar manufacture] Rukovodstvo po khimiko-tekhnicheskomu kontroliu i uchetu sakharnogo proizvodstva. Moskva, Pishchepromizdat, 1961. 422 p.
[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. [Concise report on the fulfillment of research work planned for 1961] Kratkii otchet o vypolnenii nauchno-issledovatel'skikh rabot po tematicheskomu planu 1961 g. Moskva, 1962. 155 p.

MOVSUMOV, A. A. [Reinforcing deep wells with liners] Kreplenie glubokikh skvazhin khvostovikami. Moskva, Nedra, 1964. 62 p.

MURVANIDZE, D. S., ed. [Handbook for shoe industry workers] Spravochnik obuvshchika. Moskva, Izd-vo "Legkaia industriia."
Vol 2. 1964. 511 p.

NADEZHIN, B. M. [Bridges and overpasses in cities; architectural and design characteristics] Mosty i puteprovody v gorodakh, arkhitekturno-planirovochnye osobennosti. Moskva, Stroiizdat, 1964. 287 p.

NAUCHNAIA KONFERENTSIIA KOMPLEKSNOI PROBLEMNOI LABORATORII. 2d. [Proceedings of the Second Scientific Conference of the Research Laboratory for Interconnected Problems] Materialy. Krasnoiarsk, Kompleksnaia problemnaia laboratoriia, 1962. 118 p.
[MICROFILM]

NAUCHNAIA KONFERENTSIIA NA TEMU "RAZVITIE SOTSIALISTICHESKOGO SOREVNOVANIIA V UGOL'NOI PROMYSHLENNOSTI KUZBASSA." [Reports and papers of the Scientific Conference on the Subject "Expanding socialist competition in the coal industry of the Kuznetsk Basin"] Doklady i soobshcheniia. Kemerovo, Kemerovskii gornyi in-t, 1962. 113 p.
[MICROFILM]

NAUCHNO-KOORDINATSIONNOE SOVESHCHANIE NAUCHNO-ISSLEDOVATEL'SKIKH INSTITUTOV MINISTERSTVA GEOLOGII I OKHRANY NEDR SSSR. Moscow, 1960. [Hydrogeological and hydrochemical indices of oil and gas potential, materials] Gidrogeologicheskie i gidrokhimicheskie pokazateli neftegazonosnosti, materialy. Moskva, Vses. nauchno-issl. in-t gidrogeologii i inzhenernoi geologii, 1962. [illegible] p.
[MICROFILM]

NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA MOLODYKH NAUCHNYKH RABOTNIKOV, 2d, 1961. [Collection of reports on hydraulic engineering] Sbornik dokladov po gidrotekhnike. Moskva, Gosenergoizdat, 1961. 243 p.
[MICROFILM]

NAUCHNO-TEKHNICHESKOE SOVESHCHANIE PO IZUCHENIIU KUIBYSHEVSKOGO VODOKHRANILISHCHA. 1st, Stavropol' on-Volga, 1962. [Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol'-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.
- No. 1. Vendrov, S. L., P. I. Nikulin, and V. M. Shirokov, eds. Hydrology and water resources development] Gidrologiia i vodnoe khoziaistvo. 1963. 245 p.
- No. 3. Dziuban, N. A., ed. [Hydrology, hydrobiology, and hydrochemistry] Gidrologiia, gidrobiologiia i gidrokhimiia. 1963. 136 p.

[MICROFILM]

NAZAROV, B. I. [Gyroscope in a rocket] Giroskop na rakete. Moskva, Voenizdat, 1964. 101 p. (Voenno-tekhnicheskie znaniia. Raketnaia tekhnika)

NEDZEL'SKII, M. D. [Application of metallization in industry] Primenenie metallizatsii v promyshlennosti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 52 p.
[MICROFILM]

NEIFEL'D, I. E. [Quality control of the welding of trunk pipes by radioscopy] Kontrol' kachestva svarki magistral'nykh truboprovodov prosvechivaniem. Moskva, Izd-vo "Nedra," 1964. 96 p.

NEKHOROSHEV, A. V. [Method of preparing artificial aluminosilicate ("glian") products] Sposob proizvodstva iskusstvennykh aliumosilikatnykh (glianovykh) izdelii. Ioshkar-Ola, Povolzhskii lesotekhn. in-t, 1961. 15 p. (Tekhnicheskaia informatsiia)

NEMANIKHIN, V. N., and L. E. KOMAROVSKII. [Improving the technology of the production of tissue paper] Sovershenstvovanie tekhnologii proizvodstva papirosnoi bumagi. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 34 p. (Bumaga i tselliuloza)
[MICROFILM]

NEVOLIN, F. V. [Chemistry and technology of synthetic detergents] Khimiia i tekhnologiia sinteticheskikh moiushchikh sredstv. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 362 p.

NIKITIN, A. P. [Diamond grinding and lapping of hard-alloy cutting tools] Almaznaia zatochka i dovodka tverdosplavnogo instrumenta. Leningrad, 1964. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

NIKOLAEVSKII, G. M. [New designs of cranes] Novye konstruktsii kranov. Leningrad, 1964. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Mekhanizatsiia transportnykh i pogruzochno-razgruzochnykh rabot)

[NONFERROUS METALS AND ALLOYS; methods of testing] TSvetnye metally i splavy; metody ispytanii. Izd. ofitsial'noe. Moskva, Izd-vo standartov (SSSR. Gosudarstvennye standarty)
Pt. 1-2. 1964. 2 v.

NOVIKOV, G. A. [Manual for the foreman of a road repair brigade] Posobie brigadiru dorozhno-remontnoi brigady. Moskva, Transport, 1964. 126 p.

OGARKOV, N. A., and R. F. LIAKHOVA. [Laboratory experiments for the course on "Science of materials [illegible]] [illegible] rabot po kursu [illegible], metodicheskie [illegible] Moskva, [illegible], 1964. [illegible]

OGLOBLIN, D N., and A. N OMEL'CHENKO, eds. [Mine surveying in socialist countries] Marksheiderskoe delo v sotsialisticheskikh stranakh, nauchno-tekhnicheskii sbornik. Moskva, Izd-vo "Nedra," 1964. 359 p.

OGRYZKOV, R. S. [Ultrasonic testing of plug welded assemblies] Ul'trazvukovoi kontrol' svarnykh soedinenii na elektrozaklepkakh. Leningrad, 1964. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektrotekhnologicheskie protsessy i ustanovki, no. 3)

OLESHKO, G. I., and B. DEL RIO, eds. [Automation of the operation of hump yards (using electronic computers)] Avtomatizatsiia raboty sortirovochnykh stantsii (s primeneniem vychislitel'nykh mashin). Moskva, Transport, 1964. 175 p. (Kibernetika na transporte)

[ORSK PETROLEUM REFINERY] Orskii neftepererabatyvaiushchii [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 39 p. (Istoriia fabrik i zavodov)
[MICROFILM]

OSETSKII, V. M. [Analysis and synthesis of flat cam mechanisms; manual for the preparation of course projects] Analiz i sintez ploskikh kulachkovykh mekhanizmov; uchebnoe posobie po kursovomu proektirovaniiu. Pod red. N. F. Rudenko. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1963. 91 p.
[MICROFILM]

OSIPOV, L. G. [Principles of building] Osnovy stroitel'nogo proizvodstva. Moskva, Vysshaia shkola, 1964. 341 p.

OSTRETSOV, V. M., and E. R BRILING. [Examples of calculations of elements for modern large-panel apartment houses] Primery rascheta konstruktsii sovremennykh krupnopanel'nykh zhilykh zdanii. Moskva, Stroiizdat, 1964 191 p.

OSTROVSKII, S M., E. V. PETRENKO, and V. G. KORENEV. [Handbook for Donets Basin miners] Spravochnik shakhtera Donbassa. Moskva, Izd-vo "Nedra," 1964. 411 p.

PARINI, V. P., and Z. S. KAZAKOVA. [Chemical palette] Palitra khimii. Moskva, Izd-vo "Nauka," 1964. 126 p. (Nauchno-populiarnaia seriia)

PASECHNIK, N. D., and R. A. STRELKOVA. [Reliability of terminal telegraph apparatus] Nadezhnost' okonechnoi telegrafnoi apparatury. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Lektsii po tekhnike sviazi)

PASHENTSEV, I. D., and V. R. KAMOVSKII. [Transistorized magnetic amplifier for transducers controlling the parameters of automatic control processes] Magnitopoluprovodnikovyi usilitel' dlia datchikov, kontroliruiushchikh parametry protsessov avtomaticheskogo regulirovaniia. Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 2)

PECHKUROV, A. F. [Stability of the beds of rivers and canals] Ustoichivost' rusl rek i kanalov. Minsk, Izd-vo "Urozhai," 1964. 411 p.

PEKELIS, G. D., and V. M. IVANOV. [Technology of the major overhaul of universal turntables of the "SIP" jig-boring machines] Tekhnologiia kapital'nogo remonta universal'nykh povorotnykh stolov koordinatno-rastochnykh stankov firmy "SIP." Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

PERMIAKOV, I. G., and E. A. SHCHERIK. [General petroleum and oil-field geology] Obshchaia neftianaia i neftepromyslovaia geologiia. Pod red. S. P. Maksimova. Moskva, Izd-vo "Nedra," 1964. 330 p.

PETRIAEV, A. A. [Safety manual for operators of lathes, drilling and milling machines] Pamiatka po tekhnike bezopasnosti pri rabote na tokarnykh, sverlil'nykh i frezernykh stankakh. Moskva, Stroiizdat, 1964. 30 p. (Tekhnika bezopasnosti v stroitel'stve)

PETROV, V N., and G. S KHOZIN. [Radio communication in outer space] Kosmicheskaia radiosviaz'. Moskva, Izd-vo "Znanie," 1964. 43 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 13)

[PHYSICAL PRINCIPLES OF THE WORKING PROCESS IN COMBUSTION CHAMBERS OF RAMJET ENGINES] Fizicheskie osnovy rabochego protsessa v kamerakh sgoraniia vozdushno-reaktivnykh dvigatelei. [By] B V. Raushenbakh i dr. Moskva, Mashinostroenie, 1964 525 p.

PIROZHKOV, F. V. [Automatic block system networks of run sections] Peregonnye skhemy avtomaticheskoi blokirovki. Moskva, Transport, 1964. 163 p. diagrs. (insert. Bibliotechka elektromekhanika STsB i sviazi)

PLATOV, IU. M. [New developments in the application of metals and alloys in industry, review of foreign techniques] Novoe v primenenii metallov i splavov v promyshlennosti, obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 78 p. (Tema 10)
[MICROFILM]

PLIASKIN, I. I. [Organization of stripping operations at the Sokolovka-Sarbay open pit mines] Organizatsiia vskryshnykh rabot na Sokolovskom i Sarbaiskom kar'erakh. Moskva, Izd-vo "Nedra," 1964. 134 p.

PODLIKH, E. G. [Investigating the adhesive coefficients of a motor car tire with the pavement] Issledovanie koeffitsientov stsepleniia avtomobil'noi shiny s pokrytiem. Moskva, Avtotransizdat, 1963. 41 p.

POKHVISNEV, A. N., ed. [Iron production in foreign countries without the use of blast furnaces] Vnedomennoe poluchenie zheleza za rubezhom. [By] A. N. Pokhvisnev i dr. Moskva, Izd-vo Metallurgiia, 1964. 367 p.

POLIAKOV, IU. L. [Dies for drawing and forming intricately shaped parts] Shtampy dlia vytiazhki i formovki detalei slozhnoi formy Leningrad, 1964. 9 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 1)

POPILOV, L. IA. ed. [New materials in machinery manufacture] Novye materialy v mashinostroenii. Moskva, Mashinostroenie, 1964. 303 p.

POPOV, E. A. [Analysis of factors affecting the magnitude of the permissible drawing coefficient for axisymmetric parts] Analiz faktorov, vliiaiushchikh na velichinu dopustimogo koeffitsienta vytiazhki osesimmetrichnykh detalei. Leningrad, 1964. 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 4)

POPOV, V. S., N. N. MANSUROV, and S. A. NIKOLAEV. [Electrical engineering] Elektrotekhnika. Izd. 7, perer. i dop. Moskva, Izd-vo "Energiia," 559 p.

POZDNIAKOV, R. V. [Adjustment of relay-type controllers] Nastroika rele-reguliatorov. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 17 p. (Bibliotechka sel'skogo mekhanizatora)
[MICROFILM]

[PRACTICES OF LEADING WORKERS FOR ALL MINERS] Opyt peredovikov - vsem shakhteram. [By] V. V. Vil'chitskii i dr. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1963. 35 p. (Dela i liudi semiletki)

PROGNIMAK, D. IA. [Opening and systems of working coal seams by hydraulic mining] Vskrytie i sistemy razrabotki ugol'nykh plastov pri gidrodobyche. Moskva, Izd-vo "Nedra," 1964. 111 p.

PROTAS, L. E. [Production of wet process keramzit] Proizvodstvo keramzita s mokroi podgotovkoi syr'ia. Leningrad, 1964. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Stroitel'nye materialy)

PUCHKOVA, L. I. [Practical laboratory work on the [illegible]

PUTRIKEVICH, L. F. [Manual for the preparation of course projects on machine tools; textbook for students of the departments of mechanical engineering specializing in "Technology of machine manufacture, machine tools and metal cutting tools"] Rukovodstvo po kursovomu proektirovaniiu metallorezhushchikh stankov, metodicheskoe posobie dlia studentov mashinostroitel'nogo fakul'teta vuzov po spetsial'nosti "Tekhnologiia mashinostroeniia, stanki i instrumenty. Pod red. M. IU. Pikusa. Minsk, Izd-vo "Vysshaia shkola," 1963. 56 p.

RAIKHLIN, Z. T., SH. M. GOKHMAN, and P. A. ZAITSEV. [Basic ways of improving the maintenance and repair of lumbering machines] Osnovnye puti sovershenstvovaniia remonta i tekhnicheskogo obsluzhivaniia lesozagotovitel'nykh mashin. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 132 p.

[RAW PELTRIES; winter types] Pushno-mekhovoe syr'e; zimnie vidy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 198 p. (SSSR. Gosudarstvennye standarty)

RAZUMOV, IU. A., and N. A. ARTEM'EV. [Bending parts with universal dies in conditions of short-run production] Gibka detalei na universal'nykh shtampakh v usloviiakh melkoseriinogo proizvodstva. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 3)

[REFRACTORIES AND REFRACTORY PRODUCTS] Ogneupory i ogneupornye izdeliia. Izd ofitsial'noe. Moskva, Izd-vo standartov, 1964. 467 p. (SSSR. Gosudarstvennye standarty)

RENSKII, A. B. [Strain gauges for repeated use with an elastic metal element; verbatim record of a report delivered at the Leningrad House of Scientific and Technical Information in November 1963] Tenzodatchiki mnogokratnogo ispol'zovaniia s metallicheskim uprugim elementom; stenogramma doklada, prochitannogo v LDNTP v noiabre 1963 g. Leningrad, 1964. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii)

[REPAIR AND MODERNIZATION OF INDUSTRIAL EQUIPMENT] Remont i modernizatsiia oborudovaniia. Pod red. I. E. Koniukhova. Riga, Nauchno-tekhn. ob-vo mashinostroit. promyshlennosti, 1963. 145 p.

RESHETOV, D. N., ed. [Laboratory manual on the course "Machine parts"] Laboratornye raboty po kursu "Detali mashin." [By] D. N. Reshetov i dr. [Moskva] Izd-vo "Vysshaia shkola," 1964. 106 p.

RESPUBLIKINE MOKSLINE-TECHNINE KONFERENCIJA ZEMES UKIO ELEKTRIFIKAVIMO KLAUSIMU, Vilnius, 1962. [Problems of the electrification of agriculture; materials] Zemes ukio elektrifikavimo klausimai; medziaga. Vilnius, Lietuvos energetines pramones moksline-technine draugija, 1963. 81 p. [In Lithuanian]

REZNIK, M. IA., and M. S. CHERTOK. [Textbook for streetcar drivers of the first class] Uchebnoe posobie dlia voditelei tramvaia 1-go klassa. Moskva, Stroiizdat, 1964. 371 p.

RODIONOV, V. N. [Increasing the efficiency of blasting in a solid medium] K voprosu o povyshenii effektivnosti vzryva v tverdoi srede. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962. 29 p.
[MICROFILM]

ROMAN, O. V., and A. M. DMITROVICH. [Checking and measuring tools and laying out] Kontrol'no-izmeritel'nye pribory i razmetka. Minsk, Gosizdat BSSR, 1963. 149 p. (Biblioteka slesaria, no. 4)

ROZHDESTVENSKAIA, T. B. [Electric comparators for precise current, voltage, and power measurements] Elektricheskie komparatory dlia tochnykh izmerenii toka, napriazheniia i moshchnosti. Pod red. V. O. Arutiunova. Moskva, Izd-vo standartov, 1964. 185 p.

[RUBBER; methods for testing] Rezina; metody ispytanii. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 233 p. (SSSR. Gosudarstvennye standarty)

[RUBBER AND RUBBER-TEXTILE PACKINGS] Uplotneniia rezinovye i rezino-tkanevye. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 88 p. (SSSR. Gosudarstvennye standarty)

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie po snabzheniiu i sbytu produktsii tiazhelogo, traktornogo i stroitel'no-dorozhnogo oborudovaniia. [Catalog and reference manual on the adaptability of hydraulic and pneumatic systems to excavating, construction, and road machinery] Katalog-spravochnik primeniaemosti gidro- i pnevmosistem na ekskavatorakh, stroitel'nykh i dorozhnykh mashinakh. Moskva, Goslesbumizdat, 1963. 147 p.

RUSSIA (1917- R. S. F. S. R.) Moskovskii gorodskoi ekonomicheskii administrativnyi raion Sovet narodnogo khoziaistva. Nauchno-metodicheskii kabinet. [Toothed (splined) couplings; systematic manual for teachers of technical schools] Zubchatye (shlitsevye) soedineniia, metodicheskoe posobie dlia prepodavatelei tekhnikumov. Moskva, 1963. 35 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie vagonnogo khoziaistva. [Regulations for the depot repair of all-metal passenger cars. Effective as of January 1, 1962 according to Order No. 40Ts of the Ministry of Railroad Transportation from July 29,1961 to supersede the regulations for the annual repair of all-metal passenger cars approved by the Ministry of Railroad Transportation on March 20th, 1953] Pravila depovskogo remonta tsel'nometallicheskikh passazhirskikh vagonov (TsMV). Vvodiatsia v deistvie soglasno prikazu MPS No 40Ts ot 29/VII 1961 g. s 1/I 1962 g. vzamen Pravil godovogo remonta tsel'nometallicheskikh passazhirskikh vagonov, utverzhdennykh MPS 20 marta 1953 g. Moskva, Transport, 1964. 61 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Album of diagrams used for quantitative determinations in gamma logging] Al'bom grafikov, ispol'zuemykh dlia kolichestvennykh opredelenii pri gamma-karotazhe. [Leningrad] Izd-vo "Nedra" [1963] 10 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [Survey of new patents on electric storage batteries] Obzor novykh patentov na elektricheskie akkumuliatory. Moskva, TSentr. In-t nauchno-tekhn. informatsii priborostroeniia, elektro-tekhn. promyshl. i sredstv avtomatizatsii, 1963. 43 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

[MICROFILM]

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

- Pt. 2. Sec. D. ch. 6. [Avtomobile roads of industrial enterprises; design standards] Avtomobil'nye dorogi promyshlennykh predpriiatii; normy proektirovaniia (SNiP II-D. 6-62) 1964. 36 p.
- Pt. 3. Sec. D. ch. 2. [Bridges and pipes; regulations for the work organization, execution of work, and acceptance of completed work] Mosty i truby; pravila organiztsaii i proizvodstva rabot, priemka v ekspluatatsiiu (SNiP III-D. 2-62) 1964. 86 p.
- Pt. 3. Sec. G. ch. 10. 5. [Crushing, milling, sorting, enriching, and agglomerating equipment; regulations of production and acceptance of work] Drobil'noe, razmol'noe, sortirovochnoe, obogatitel'noe i aglomeratsionnoe oborudovanie; pravila proizvodstva i priemki montazhnykh rabot (SNiP III-G. 10. 5-62) 1964. 28 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Handbook on estimated consolidated norms in the construction of oil and gas wells; effective as of January 1, 1961] Spravochnik ukrupnennykh smetnykh norm (SUSN) na stroitel'stvo neftianykh i gazovykh skvazhin; v normakh, deistvuiushchikh na 1/I 1961 g. Moskva, Stroiizdat, 1964. 361 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Manual of consolidated indices of estimated cost and expense of materials; buildings and structures of the mining industry] Spravochnik ukrupnennykh pokazatelei smetnoi stoimosti i raskhoda resursov; zdaniia i sooruzheniia gornorudnoi promyshlennosti. Izd. ofitsial'noe. Moskva, Stroiizdat.

- No. 1. [Utility and service buildings and structures] Zdaniia i sooruzheniia podsobno-proizvodstvennogo i obsluzhivaiushchego naznacheniia. 1964. 177 p.

RUSSIA (1923- U. S. S. R.) [illegible]

Committee for Construction of the U. S. S. R. September 30, 1963] Vremennye ukazaniia po proektirovaniiu predvaritel'no napriazhennykh mnogopustotnykh panelei perekrytii iz plotnogo silikatnogo betona (SN 260-63). Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR 30 sentiabria 1963 g. Moskva, Gostroiizdat SSSR, 1964. 34 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Technical instructions for designing 750 mm gauge railroads. Approved by the State Committee for Construction of the U. S. S. R. July 18, 1963] Tekhnicheskie ukazaniia po proektirovaniiu zheleznykh dorog kolei 750 mm (SN 251-63) Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR 18 iiulia 1963 g. Moskva, Gosstroi SSSR, 1964. 95 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Metal sleeve and pipe connecting components in electric wiring, construction and sizes] Detali soedinitel'nye metallorukavov i trub v elektricheskikh provodakh, konstruktsiia i razmery (MN 4944-63 - MN 4946-63). Moskva, Izd-vo standartov, 1964. 14 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Fish and fishery products, auxiliary materials] Ryby i ryboprodukty; vspomogatel'nye materialy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 340 p. (SSSR. Gosudarstvennye standarty)

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pipe fittings of malleable cast iron and steel with cylindrical thread for pipelines] Soedinitel'nye chasti iz kovkogo chuguna i stali s tsilindricheskoi rez'boi dlia truboprovodov. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 71 p. (SSSR Gosudarstvennye standarty)

RUSSIA (1923- U. S. S. R.) Ministerstvo stroitel'stva elektrostantsii. Glavenergoproekt. [Methodological instructions on the calculation of the filtration of water level dropping structures] Metodicheskie ukazaniia po fil'tratsionnym raschetam vodoponizitel'nykh ustanovok. Moskva, Gosenergoizdat, 1961. 123 p.

[MICROFILM]

RUZHITSKII, E. I. [Aerial all-purpose vehicles] Vozdushnye vezdekhody. Moskva, Izd-vo "Mashinostroenie," 1964. 176 p.

RYSAKOV, I. M. [Providing for safe working conditions in industry] Obespechenie bezopasnykh uslovii truda na proizvodstve. Moskva, Izd-vo "Metallurgiia," 1964. 39 p. (Bibliotechka po okhrane truda v metallurgii)

RZHANITSYN, A. P. ed. [Design of thin-walled prefabricated structures] Raschet tonkostennykh prostranstvennykh konstruktsii. Moskva, Stroiizdat, 1964. 294 p.

RZHEVSKII, V. V., IU. I. ANISTRATOV, and S. A. IL'IN. [Strip mining operations under complex conditions] Otkrytye gornye raboty v slozhnykh usloviiakh. Moskva, Izd-vo "Nedra," 1964. 293 p.

SADOVSKII, A. S. [Textbook on the theory of electrical communication] Zadachnik po teorii elektricheskoi sviazi. Izd. 2., perer. Moskva, Sviaz'izdat, 1963. 345 p.

SAGAL'CHIK, B. M. [Performance of the bucket of a backhoe on peat soils] Rabota kovsha obratnoi lopaty na torfianom grunte. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 37 p.

[MICROFILM]

SAMOILOV, B. A., and others. [The RVZ-6 streetcar] Tramvainyi vagon RVZ-6. Moskva, "Stroiizdat," 1964. 167 p.

SAPOZHNIKOV, M. M. [Hydraulic regularities of turbulent flow in pipes made of various materials; investigation and recommendations for calculation] Gidravlicheskie zakonomernosti turbulentnogo dvizheniia v trubakh iz razlichnykh materialov; issledovanie i raschetnye rekomendatsii. Leningrad, Stroiizdat, 1964. 190 p.

SAPOZHNIKOV, M. M. [Saving metal in the construction of plumbing systems] Ekonomiia metalla pri ustroistve [illegible]

SARKISIAN, S. G., and others. [Conditions governing the formation of the Lower Carboniferous terrigenous layer of Kuybyshev Province, Tatarstan, and Bashkiria] Usloviia obrazovaniia terrigennoi tolshchi nizhnego karbona Kuibyshevskoi oblasti, Tatarii i Bashkirii. Otv. red. A. N. Solovkin. Moskva, Izd-vo "Nauka," 1964. 77 p. illus., 3 fold. diagr (in folder)

SAROMOTINA, T. G. [Design of metal-cutting tools] Proektirovanie rezhushchikh instrumentov. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t.

- No. 2. [Cutters; written lectures] Reztsy, pis'mennye lektsii. 1962. 59 p.

SAVINOV, N. N. [30 years at a grinding machine] 30 let u shlifoval'nogo stanka. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 30 p. (Novatory proizvodstva)

[MICROFILM]

SAVINOV, O. A [Present-day structures for the foundations of machinery and their calculation, a manual for designers] Sovremennye konstruktsii fundamentov pod mashiny i ikh raschet; posobie dlia proektirovshchikov. Leningrad, Mashinostroenie, 1964. 345 p.

SEDLUKHA, G. A., and O. M. FRIDMAN. [Earthwork during the construction of city gas lines] Zemlianye raboty pri stroitel'stve gorodskikh gazoprovodov. Leningrad, Izd-vo "Nedra," 1964. 137 p. (Biblioteka mastera gazovogo khoziaistva)

SEGAL', L. A. [Assembly and installation of small Freon refrigerating machines] Montazh malykh freonovykh kholodil'nykh mashin. Moskva, Ekonomika, 1964. 81 p (V pomoshch' kholodil'shchiku)

SELIVANOV, A. I. [Fundamentals of the theory of the aging of machinery] Osnovy teorii stareniia mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 403 p.

SERGEEV, V. I. [Components of communication apparatus and devices; lectures for students of the technical departments of communications institutes] Detali priborov i apparatov sviazi; lektsii dlia studentov tekhnicheskikh fakul'tetov institutov sviazi. Moskva, Vses. zaochnyi elektrotekhn. in-t sviazi, 1961. 161 p.

[MICROFILM]

SERGEEV, V. V., N. V. GALITSKII, and V. P. KISELEV. [Metallurgy of titanium] Metallurgiia titana. Pod red. V. M. Gus'kova. Moskva, Izd-vo Metallurgiia, 1964. 207 p.

SHAGALOV, D. A. [Manufacture of glued bentwood furniture parts; experience of the enterprises in Vologda Province] Proizvodstvo gnutokleenykh detalei mebeli; opyt predpriiatii Vologodskoi oblasti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 35 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo!)

SHAKHMEISTER, L. G., and P. A. LIASHKEVICH. [Catchers for apron and belt and chain conveyors operating on inclined workings] Lovitel i dlia plastinchatykh i lentochno-tsepnykh konveierov, rabotaiushchikh v naklonnykh vyrabotkakh. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 58 p. (Zarubezhnaia tekhnika. Seriia: Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia)

[MICROFILM]

SHANNIKOV, V. M., N. D. MOSKALEV, and K. N. KAN. [Strength calculations for parts made of thermosetting plastics with thread and metal reinforcement] Raschety na prochnost' detalei iz termoreaktivnykh plastmass s rez'boi i metallicheskoi armaturoi. Leningrad, 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii, no. 3)

SHASHIN, M. IA. [Effect of a hardened layer on increasing the durability of machine parts] Vliianie uprochnennogo sloia na povyshenie dolgovechnosti detalei mashin. Leningrad, 1964. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 2)

SHCHERBAKOVA, O. A. [Forms and methods of work in technological information and propaganda at small enterprises; work practices of enterprises under the [illegible]

[MICROFILM]

SHIRIAEV, B. M. [Sparkproof TsB telephone system and apparatus for mine communications] Iskrobezopasnaia sistema i apparatura shakhtnoi telefonnoi sviazi TsB. Moskva, In-t gornogo dela imeni A. A. Skochinskogo, 1962. 20 p.
[MICROFILM]

SHMELEV, A. I [Voluntary forms of aid to technological progress; work practices of the voluntary offices of technological information in White Russia] Obshchestvennye formy sodeistviia tekhnicheskomu progressu, opyt raboty obshchestvennykh biuro tekhnicheskoi informatsii v Belorussii Leningrad, 1963. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Seriia: Obmen opytom nauchno-tekhnicheskoi informatsii i propagandy)

SHUBIN, V. M. [Check tests without braking and basic adjustments of tractor engines] Bestormoznaia proverka i osnovnye regulirovki traktornykh dvigatelei. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 62 p. (Bibliotechka sel'skogo mekhanizatora)

SILANT'EV, V. A. [Hydrocyclones for cleaning woodpulp] Gidrotsiklony dlia ochistki massy. Moskva, TSentr. in-t tekhn informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 20 p. (Bumaga i tselliuloza)
[MICROFILM]

SINANI, I. B. [From experience in the construction of piezoelectric devices for the measurement of vibrations; verbatim record of a lecture delivered at the Leningrad House of Scientific and Technical Information in September, 1963] Iz opyta konstruirovaniia p'ezoelektricheskikh priborov dlia izmereniia vibratsii; stenogramma lektsii, prochitannoi v LDNTP v sentiabre 1963 g. Leningrad, 1964. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii)

SKOBNIKOV, K. M. [Metal economy in foundry practice] Ekonomiia metalla v liteinom proizvodstve. Moskva, Izd-vo "Mashinostroenie," 1964. 137 p.

SKOSYREV, V. P. [Safety manual for operators of packaging machinery] Pamiatka po tekhnike bezopasnosti dlia mashinista upakovochnoi mashiny. Moskva, Stroiizdat, 1964. 21 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

SKRIPLEV, V. E. [Filtration powders and their use in sugar manufacture] Fil'truiushchie poroshki i ikh ispol'zovanie v sakharnom proizvodstve. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 45 p.
[MICROFILM]

SKRYNNIK, V. N. [Design of automatic lines consisting of machine-tool units; survey of foreign engineering] Proektirovanie avtomaticheskikh linii iz agregatnykh stankov; obzor zarubezhnoi tekhniki. Moskva, TSentr. in-t tekhniko-ekon. informatsii, 1962. 98 p.
[MICROFILM]

SLAVCHENKO, N. A. [Handbook on transformers for young workers] Spravochnik molodogo rabochego po transformatoram. Moskva, Vysshaia shkola, 1964. 230 p.

SMIRNITSKAIA, N. E., N. P. GRITSAI, and L. I. SEMENENKO. [Experience in the production of salt-cured bacon] Opyt proizvodstva solenogo bekona. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 44 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

SMIRNOV, A. D., ed. [Electronic devices for measuring nonelectrical quantities; contribution of radio amateurs to the national economy] Elektronnye pribory dlia izmereniia neelektricheskikh velichin; radioliubiteli - narodnomu khoziaistvu. Moskva, Izd-vo "Energiia," 1964. 85 p. (Massovaia radiobiblioteka, no. 520)

SMIRNOV, A. V., and others. [Nitriding passivating steels with the use of carbon tetrachloride] Azotirovanie passiviruiushchikhsia stalei s primeneniem chetyrekhkhloristogo ugleroda. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 3)

SMOLOV, V. B., and others. [Reliability of a coding converter] Nadezhnost' kodiruiushchego preobrazovateliia. Leningrad, 1964. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia Pribory i elementy avtomatiki)

SOKOLOV, O. V. [Generation and measurement of a vacuum] Poluchenie i izmerenie vakuuma; uchebnoe posobie. Leningrad, Leningradskii elektrotekhn. in-t
Pt. 1. 1963. 159 p.

SOLOMIN, G. A. [Methods for determining the redox potential and pH of sedimentary rocks] K metodike opredeleniia okislitel'no-vosstanovitel'nogo potentsiala i pH osadochnykh porod. Moskva, Izd-vo "Nauka," 1964. 86 p.

SORIN, IA. M., and A. V. LEBEDEV. [Talks on reliability] Besedy o nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 222 p.

SOVESHCHANIE PO UPROCHNENIIU DETALEI MASHIN, 1962. [Processes of the strengthening of machine parts; reports] Protsessy uprochneniia detalei mashin; [doklady] Moskva, Izd-vo "Nauka," 1964. 207 p.

SOVESHCHANIE RABOTNIKOV MEBEL'NOI PROMYSHLENNOSTI NA TEMU "NOVYE OTDELOCHNYE MATERIALY I MEKHANIZATSIIA PROTSESSOV OTDELKI MEBELI." Moscow, 1962. [New finishing materials and the mechanization of the processes of furniture finishing; materials] Novye otdelochnye materialy i mekhanizatsiia protsessov otdelki mebeli, materialy. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 43 p. (Derevoobrabotka)
[MICROFILM]

SOVKIN, V. F., and others. [Increasing the productivity and improving the quality of surfaces subjected to grinding] Povyshenie proizvoditel'nosti i uluchshenie kachestva poverkhnosti pri shlifovanii. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 109 p.

[SPECTRUM ANALYSIS IN LENINGRAD INDUSTRIES, from the practices of some spectrum analysis laboratories] Spektral'nyi analiz v Leningradskoi promyshlennosti; iz opyta raboty nekotorykh spektral'nykh laboratorii. Leningrad, 1963. 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy)

SREBNYI, M. A., and others. [World record for making a haulage drift (making 1,151 m. of drift in one month at Mine No. 103 of the Chistiakovantratsit Trust)] Mirovoi rekord provedeniia otkatochnogo shtreka (1051 m shtreka v mesiats na shakhte No. 103 tresta Chistiakovantratsit). Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 22 p. (Seriia: Stroitel'stvo i rekonstruktsiia ugol'nykh predpriiatii)
[MICROFILM]

STANKEVICH, I. I. [Graphic statics; a manual] Grafostatika; uchebnoe posobie. Pod red. A. F. Nikolaeva. [Moskva] Mosk. stankoinstrumental'nyi in-t, 1963. 38 p.
[MICROFILM]

STASKEVICH, N. L., P. B. MIAZEL'S, and D. IA. VIGDORCHIK. [Handbook on liquefied hydrocarbon gases] Spravochnik po szhizhennym uglevodorodnym gazam. Leningrad, Nedra, 1964. 515 p.

STEKLOV, V. IU., ed. [Development of electric power engineering in the countries of the socialist camp; a survey] Razvitie elektroenergetiki stran sotsialisticheskogo lageria; obzor. Moskva, Vses. in-t po proektirovaniiu organizatsii energeticheskogo stroitel'stva, 1962. 83 p.
[MICROFILM]

STEPANOV, A. D. [Automatic power control for diesel and gas-turbine locomotives] Avtomaticheskoe regulirovanie moshchnosti v teplovozakh i gazoturbovozakh. Moskva, Izd-vo "Mashinostroenie," 1964. 298 p.

STEPANOV, I. S. [Rare metals and technical progress] Redkie metally i tekhnicheskii progress. [Moskva] Izd-vo "Metallurgiia," [1964] 104 p.

STEPANOV, V. G. [Equipment for the explosive forming of parts by means of the electrohydraulic effect; verbatim report of a lecture] Osnastka dlia gidro- [illegible]

STOLPNER, E. B., and R. I. ESTERKIN. [Adjustment and operation of the gas supply systems of boilers] Naladka i ekspluatatsiia sistem gazosnabzheniia kotel'nykh ustanovok. Izd. 2., perer. i dop. Leningrad, Izd-vo "Nedra," 1964. 359 p.

STUDENICHNIKOV, B. I. [Scouring and methods for calculating riverbed deformations] Razmyvaiushchaia sposobnost' potoka i metody ruslovykh raschetov. Moskva, Stroiizdat, 1964. 182 p.

SUCHKOV, V. D. [Thermophysical values; Reference data for the design of metallurgical furnaces] Teplofizicheskie velichiny; Spravochnye dannye dlia proektirovaniia metallurgicheskikh pechei. Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova, 1963. 38 p.
[MICROFILM]

SUKHOVEEV, R. G., and A. I. CHEREPENNIKOV. [Prestressed concrete elements for roofing industrial buildings] Predvaritel'no napriazhennye zhelezobetonnye konstruktsii pokrytii promyshlennykh zdanii. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 90 p.

SULIMOV, A. D [Catalytic reforming of gasolines] Kataliticheskii riforming benzinov. Pod red. i s dop D. I Orochko. [Moskva] Khimiia, 1964. 205 p.

SUSHILIN, V. A. [Methods and equipment for deep-well investigations] Metody i tekhnika glubinnykh issledovanii v skvazhinakh. Moskva, Izd-vo "Nedra," 1964. 108 p.

SVIATKOV, S. N., and E. K. GROMTSEV. [Universal exhaust apparatus with a new collector of the "chandelier" type] Universal'naia eksgaustornaia ustanovka s novym kollektorom tipa "Liustra." Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia. Derevoobrabatyvaiushchaia promyshlennost')

TAITS, B. L. [Modern techniques and equipment for the arc welding of aluminum structures] Sovremennaia tekhnologiia i oborudovanie dlia dugovoi svarki alliuminievykh konstruktsii; stenogramma lektsii. Leningrad, 1964. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Svarka, rezka, paika metallov)

TARASOV, F. I. [Kinescopes] Kineskopy. Moskva, Izd-vo "Energiia," 1964. 15 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 502)

TAVRIZOV, V. M. [Protecting bridges from drifting ice] Zashchita mostov ot ledokhoda. Moskva, Stroiizdat, 1964. 81 p.

[TELEVISION; a manual] Televidenie; spravochnoe posobie. [By] IU. I. Omel'ianenko i dr. Kiev. Tekhnika, 1964. 687 p.

TIKHONOV, V. K., and V. A. MAKAROV. [Jet piercing for working hard rock] Ognevoe burenie pri razrabotke krepkikh porod. Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Stroitel'noe proizvodstvo)

TIMONOVA, M. A. [Corrosion of magnesium alloys and their protection] Korroziia i zashchita magnievykh splavov. Moskva, Mashinostroenie, 1964. 285 p.

TINTMAN, N. I. [Design of municipal automatic telephone exchanges] Proektirovanie stantsionnykh sooruzhenii gorodskikh ATS. Moskva, Izd-vo "Sviaz'," 1964. 111 p.

[TONS OF NONFERROUS METALS HAVE BEEN FOUND; articles on the saving of nonferrous metals] Naideny tonny tsvetnogo metalla; sbornik statei ob ekonomii tsvetnykh metallov. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 75 p. (Rezervy proizvodstva — v deistvie)
[MICROFILM]

[TRANSISTOR DEVICES AND THEIR APPLICATION; a collection of articles] Poluprovodnikovye pribory i ikh primenenie; sbornik statei. Pod red. IA. A. Fedotova. Moskva, Izd-vo "Sovetskoe radio."
No. 11. 1964. 296 p.

T[illegible]KII, E. A. [Boiler metals and the calculation of boiler components] Metally kotlostroeniia i raschety na prochnost' detalei parovykh kotlov. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. [illegible]

T[illegible]SKII, S. P. [Calculating the precision of machining on machine tools] Raschety tochnosti obrabotki na metallorezhushchikh stankakh. Moskva, Izd-vo "Mashinostroenie," 1964. 202 p.

[illegible]UBITSYN, L. M. [Ways for increasing the output and improving the quality of conical reinforced concrete contact network supports] Puti uvelicheniia vypuska i povysheniia kachestva zhelezobetonnykh konicheskikh opor kontaktnoi seti. Moskva, Orgtransstroi, 1963. 8 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

TUMANSKII, M. A. [Graphic calculation of rod systems and mechanisms] Graficheskii raschet sterzhnevykh sistem i mekhanizmov. Moskva, Mashinostroenie, 1964. 253 p.

UGRIUMOV, P. G., and A. IA. AVERBUKH. [Organic synthesis in industry, a manual for teachers and students of pedagogical institutes] Organicheskii sintez v promyshlennosti, posobie dlia uchitelei i studentov pedagogicheskikh institutov. Izd. 2., perer. i dop. Moskva, Prosveshchenie, 1964. 318 p.

[UNDERWATER TRENCHING USING EXPLOSIVES] Opyt razrabotki podvodnykh transhei vzryvnym metodom. Moskva, VNIIST Glavgaza SSSR, 1962. 24 p. (Opyt stroitel'stva magistral'nykh truboprovodov)
[MICROFILM]

URAL'SKII GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SBORNYKH ZHELEZOBETONNYKH IZDELII I KONSTRUKTSII. [Manufacture and use of vermiculite] Proizvodstvo i primenenie vermikulita. Pod red. N. A. Popova. Moskva, Stroiizdat, 1964. 155 p.

[USING THE METHOD OF INDUCED POLARIZATION IN PROSPECTING FOR ORE DEPOSITS] Primenenie metoda vyzvannoi poliarizatsii pri poiskakh rudnykh mestorozhdenii. Moskva, Izd-vo "Nedra," 1964. 144 p.

VAINSHTEIN, L. B., and others. [Confectionery goods, assortment and formula manual for the confectionery industry of the U. S. S. R.] Konditerskie izdeliia, assortimentno-retsepturnyi spravochnik konditerskoi promyshlennosti USSR. Pod obshchei red. N. K. Fomenko. Kiev, Gostekhizdat USSR, 1963. 302 p.

VAKHRUSHEV, V. A. [Mineralogy and genesis of the iron ores of Beloretsk deposits in the Altai Mountains] Mineralogiia i genezis zheleznykh rud Beloretskogo mestorozhdeniia na Altae. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1960. 94 p.
(OkU)

VASHCHEV, N. V. [Apparatus for adjusting woodworking machinery for size] Pribor dlia nastroiki derevoobrabatyvaiushchikh stankov na razmer. Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

VELICHKIN, I. N., A. I. NISNEVICH, and M. P. ZUBIETOVA. [Rapid wear tests of diesel engines] Uskorennye ispytaniia dizel'nykh dvigatelei na iznosostoikost'. Moskva, Izd-vo "Mashinostroenie," 1964. 182 p.

VERB, I. M. [Modern methods for the manufacture of protective clothing from plastic films] Sovremennye sposoby izgotovleniia spetsial'noi odezhdy iz plenki. Moskva, Izd-vo "Legkaia industriia," 1964. 130 p.

VESELOV, K. E., ed. [Installing, adjusting, repairing, and operating gravimetric devices] Ustroistvo, naladka, remont i ekspluatatsiia gravimetricheskoi apparatury. Moskva, Izd-vo "Nedra," 1964. 223 p.

VIDUEV, N. G., and D. I. RAKITOV. [Application of surveying to engineering and construction operations; surveying at building sites] Prilozhenie geodezii v inzhenerno stroitel'nom dele; geodezicheskie raboty na stroitel'noi ploshchadke. Izd. 2., ispr. i dop. Moskva, Izd-vo "Nedra," 1964. 398 p.

VIKTOROV, IU. V., A. D. GDALIN, and I. E. LEBEDEV [Introduction of progressive practices and highly efficient equipment at the "Rovnoe" granite quarry] Vnedrenie progressivnoi tekhnologii i vysokoproizvoditel'nogo oborudovaniia na granitnom kar'ere "Rovnoe." Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 2)

VINNIKOV, E. M. [Measurement and reproduction of short time intervals] Izmerenie i vosproizvedenie korotkikh intervalov vremeni. Moskva, Standartgiz, 1963. 111 p.

VINOGRADOV, D. E. [Field tests of overhead power transmission-line supports] Ispytanie opor linii elektroperedachi v polevykh usloviiakh. Moskva, Izd-vo "Energiia," 1964. 179 p.

VINOGRADOV, P. A. [Protective coatings with additions of molybdenum disulfide and the NDA inhibitor] Zashchitnye smazki s prisadkami dvusernistogo molibdena i ingibitora NDA. Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia)

VISHNEVSKII, A. M. [New methods of preparing ores for smelting] Novye sposoby podgotovki rud k plavke. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 34 p. (V pomoshch' slushateliam universiteta tekhnicheskogo progressa metallurgov)
[MICROFILM]

[VL60 AND VL80 MAIN LINE A. C. LOCOMOTIVES] Magistral'nye elektrovozy peremennogo toka VL60 i VL80. [By] B. A. Tushkanov i dr. Moskva, Transport, 1964. 555 p. (diagrs. insert)

VOLGOGRADSKII TRAKTORNYI ZAVOD IMENI F. E. DZERZHINSKOGO. [Catalog of spare parts for the DT-75 tractor] Katalog zapasnykh chastei traktora DT-75. Moskva, Izd-vo "Mashinostroenie," 1964. 271 p.

VOLOBUEV, V. P., and M. A. SMIRNOVA. [Radio communication in railroad transport] Radiosviaz' na zheleznodorozhnom transporte. Moskva, Transport, 1964. 247 p.

VOLPIANSKII, L. M. [Casting and solidification of metals] Razlivka i zatverdevanie metalla. Izd. 2., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 60 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

VOLSKII, N. I., ed. [Theory of mechanisms and machines and machine parts] Teoriia mekhanizmov i mashin i detali mashin. [By] N. I. Volskii i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 820 p.

VOROB'EV, I. V., N. K. GILEV, and M. M. DREKHSLER. [New limbing machines] Novye suchkoreznye mashiny. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 105 p.

VOROB'EV, V. A. [Calculation methods for the construction of woolen yarn and fabrics] Metod rascheta pri postroenii sherstianoi priazhi tkani. Moskva, Izd-vo "Legkaia industriia," 1964. 162 p.

VORONITSYN, K. I. [Improving the technology and technique of logging, lumber transportation, and road construction operations] Sovershenstvovanie tekhnologii i tekhniki lesosechnykh, lesotransportnykh i dorozhnostroitel'nykh rabot. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 33 p. (Lesoekspluatatsiia)
[MICROFILM]

VORONOV, A. L., and I. A. GREBENKIN. [Gearboxes of machine tools; kinematic design of gearboxes with a compound structure and connected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhennoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 132 p.

VOSKRESENSKII, B. V. and R. G. MANILOVSKII. [Production capacity of a machinery plant] Proizvodstvennaia moshchnost' mashinostroitel'nogo zavoda. Moskva, Izd-vo "Mashinostroenie," 1964. 271 p.

VOSKRESENSKII, S. K., ed. [Production of 32% P_2O_5 phosphoric acid by the decomposition of apatite by sulfuric acid with the crystallization of gypsum] Proizvodstvo fosfornoi kisloty kontsentratsiei 32% P_2O_5 razlozheniem apatita sernoi kislotoi s kristallizatsiei gipsa. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1962. 15 p.
[MICROFILM]

VOZDVIZHENSKII, S. M., comp. [Strength of materials, lecture notes] Soprotivlenie materialov; konspekt lektsii. Saratov, Saratovskii politekhn. in-t.
Pt. 1. 1963. 177 p.

VSESOIUZNAIA KONFERENTSIIA PO RELAKSATSIONNYM IAVLENIIAM V METALLAKH I SPLAVAKH. 3d, Voronezh, 1962. [Relaxation phenomena in metals and alloys; transactions] Relaksatsionnye iavleniia v metallakh i splavakh; trudy. Pod red. V. S. Postnikova. Moskva, Metallurgizdat, 1963. 339 p.

VSESOIUZNAIA MEZHVUZOVSKAIA NAUCHNAIA KONFERENTSIIA PO INDUKTIVNYM METODAM RUDNOI GEOFIZIKI, Moscow, 1961. [Transactions of the All-Union Interuniversity Scientific Conference on Inductive Methods for Ore Geophysics] Trudy. Moskva, Izd-vo "Nedra," 1964. 233 p.

VSESOIUZNOE OBSHCHESTVO IZOBRETATELEI I RATSIONALIZATOROV. TSentral'nyi Sovet. [Collection of materials to aid the organizational units of the All-Union Society of Inventors and Rationalizers] Sbornik materialov v pomoshch' organizatsiiam VOIR. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1963. 107 p.

VSESOIUZNOE SOVESHCHANIE PO TEORII RASCHETOV NA POLZUCHEST' I DLITEL'NUIU PROCHNOST'. Novosibirsk, 1962. [Creep and stress-rupture strength] Polzuchest' i dlitel'naia prochnost'; trudy. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 198 p.

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT METODIKI I TEKHNIKI RAZVEDKI. [Principles of geochemical prospecting methods for ore deposits; methodological handbook] Osnovy geokhimicheskikh metodov poiskov rudnykh mestorozhdenii; metodicheskoe posobie. Leningrad.
Pt. 2. [Dispersed state of elements and its applied importance; haloes of the primary dispersion of ore deposits] Rasseiannoe sostoianie elementov i ego prikladnoe znachenie; oreoly pervichnogo rasseianiia rudnykh mestorozhdenii. 1963. 82 p.

VSESOIUZNYI SEMINAR PO GEOLOGICHESKOMU DESHIFRIROVANIIU PRI GEOLOGICHESKIKH ISSLEDOVANIIAKH, Moscow, 1961. [Methods for the interpretation of the materials of aerial photography in geological studies; materials] Metody deshifrirovaniia aerofotomaterialov pri geologicheskikh issledovaniiakh; materialy. Glav. red. V. V. Baturin, V. N. Briukhanov, L. M. TSikkel'. [Moskva] Izd-vo "Nedra," [1964] 160 p.

[WOOL] Sherst'. Izd. ofitsial'noe. Moskva [Izd-vo standartov, 1964] 54 p. (SSSR. Gosudarstvennye standarty)

WORLD POWER CONFERENCE. 6th, Melbourne, 1962. [Power engineering of the world and its prospective development; reports of the Sixth World Power Conference held in Melbourne in 1962] Energetika mira i perspektivy ee razvitiia; doklady VI Mirovoi energeticheskoi konferentsii v g. Mel'burne v 1962 g. Pod obshchei red. K. D. Lavrenenko. Moskva, Izd-vo "Energiia," 1964. 255 p.

ZAITSEVA, L. P., and T. G. POROKHOVA. [Nonferrous metallography in visible and ultraviolet rays] TSvetnaia metallografiia v vidimykh i ul'trafioletovykh luchakh. Moskva, Izd-vo Metallurgiia, 1964. 142 p. illus.

ZAKHARASHEVICH, L. A., D. V. SMAGIN, and R. N. GRINFEL'D. [Concise manual on automatic controllers of boiler systems] Avtomaticheskie reguliatory kotel'nykh ustanovok; kratkii spravochnik. Moskva, Izd-vo "Mashinostroenie," 1964. 175 p.

[illegible] films, their char-
[illegible] lenki, ikh kharak-
[illegible] I-vo "Iskusstvo,"
[illegible] elia)

ZARIANKIN, A. E. [Heat exchangers of gas turbine systems] Teploobmennye apparaty gazoturbinnykh ustanovok. Moskva, Mosk. energeticheskii in-t, 1961. 107 p.

[MICROFILM]

ZAUER, N. S., comp. [Russian-Bulgarian technical dictionary] Russko-bolgarskii politekhnicheskii slovar'. Pod red. N. I. Popova. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 471 p.

ZAVADSKII, E. I. [Mechanizing the construction of automobile roads] Mekhanizatsiia stroitel'stva avtomobil'noi dorogi. Moskva, Transport, 1964. 75 p. (Obmen tekhnicheskim opytom dorozhnykh khoziaistv)

ZEMSKII, A. A. [Handbook for the concrete reinforcement worker] Pamiatka armaturshchika. Pod obshchei red. V. I. Makarova. [Leningrad] Lenizdat, 1963. 95 p. (V pomoshch' stroiteliu)

ZENKOV, R. L., and M. M. PETROV. [High power conveyors] Konveiery bol'shoi moshchnosti. Moskva, Izd-vo "Mashinostroenie," 1964. 426 p.

ZHABREV, D. V. [Syngenetic oil-bearing series and the oil-producing rocks forming them] Singeneticheskie neftenosnye svity i nefteproduts irujushchie porody, slagaiushchie ikh. Pod red. V. V. Vebera. Moskva, Izd-vo "Nedra," 1964. 194 p

ZHETVIN, N. P., F. S. RAKHOVSKAIA, and V. I. USHAKOV. [Scale removal from metal surfaces] Udalenie okaliny s poverkhnosti metalla. Izd. 2., perer. i dop. Moskva, Izd-vo "Metallurgiia," 1964. 194 p.

ZHEVAGO, K. A., T. Z. PORTNOI, and B. M. SHKOL'NIKOV. [Drive for drilling rigs] Privod burovykh ustanovok. Izd. 2., isp. i dop. Moskva, Izd-vo "Nedra," 1964. 406 p.

ZHUKOV, G. S. [Television test equipment, a survey of the foreign literature] Pribory dlia kontrolia televizionnoi apparatury; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 50 p. (Tema 13)

[MICROFILM]

ZONAL'NAIA NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA "OSUSHITEL'NYE MELIORATSII NA DAL'NEM VOSTOKE." 1962. [Abstracts of the reports of the Zonal Scientific Technical Conference on "Drainage Improvement in the Far East"] Tezisy dokladov. Khabarovsk, Ispolkom Khabarovskogo kraevogo Soveta deputatov trudiashchikhsia, 1962. 61 p.

[MICROFILM]

ZUBKOV, B. V. [Ray, spark, explosion; tales about the new and the unusual in metalworking] Luch, iskra, vzryv obrabatyvaiut metall; rasskazy o novom i neobychnom v obrabotke metalla. [Tambov] Knizhnoe izd-vo, 1963. 70 p.

ZUBOV, V. IA., and S. V. GRACHEV. [Structure and properties of steel spring bands] Struktura i svoistva stal'noi pruzhinnoi lenty. Moskva, Izd-vo "Metallurgiia," 1964. 223 p.

ZUBREV, I. N., and A. K. SAVEL'EV. [Geology and prospecting for placer deposits, 1962] Geologiia, poiski i razvedka rossypnykh mestorozhdenii, 1962. 125 p. (Itogi nauki)

17. MILITARY & NAVAL SCIENCES

[BATTLE HISTORY OF THE SOVIET NAVY] Boevoi put' Sovetskogo Voenno-Morskogo Flota. Moskva, Voenizdat, 1964. 620 p.

BELOKON', A. P., and V. T. KORNEICHUK. [Engineer support in an attack of a motorized rifle (tank) battalion (company)] Inzhenernoe obespechenie nastupleniia motostrelkovogo (tankovogo) batal'ona (roty). Moskva, Voenizdat, 1964. 204 p.

BENDIK, P. I., and A. M. LAPIDES. [Automatic control and measuring equipment on ships] Sudovye kontrol'no-izmeritel'nye pribory. Moskva, Voenizdat, 1964. 271 p.

BRODSKII, A. D., V. K. KUZ'MENKO, and V. I. SOLOV'EV. [Modern physical and technical methods in shipbuilding] Sovremennye fiziko-tekhnicheskie metody v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 188 p.

BUBNOV, I. A., and others. [Military topography; a textbook for military schools of the Soviet Army] Voennaia topografiia; uchebnik dlia voennykh uchilishch Sovetskoi Armii. Moskva, Voenizdat, 1964. 349 p.

BUKALOV, V. M., and A. A. NARUSBAEV. [Design of atomic submarines; from materials in the foreign press] Proektirovanie atomnykh podvodnykh lodok; po materialam inostrannoi pechati. Leningrad, Sudostroenie, 1964. 287 p.

CHUVIKOVSKII, V. S. [Principles of dynamics in the structural mechanics of a ship] Printsipy dinamiki v stroitel'noi mekhanike korablia. Leningrad, Izd-vo "Sudostroenie," 1964. 191 p.

[ESTIMATING GYROCOMPASS ERRORS IN NAVIGATION] Uchet pogreshnostei girokompasa v sudovozhdenii. [By] E. L. Smirnov i dr. Moskva, "Transport," 1964. 66 p.

IZNAR, A. N., and B. F. FEDOROV. [Optical quantum devices (lasers) and their use in military technology; according to materials of the foreign press] Opticheskie kvantovye pribory (lazery) i ikh primenenie v voennoi tekhnike; po materialam zarubezhnoi pechati. Moskva, "Sovetskoe radio," 1964. 173 p.

KANIOVSKII, B. S., P. I. SEMENOV, and T. E. FREIBURG. [Waterways with navigation locks] Shliuzovannye vodnye puti. Moskva, Izd-vo "Transport," 1964. 300 p.

KATUNSKII, A. M. [Tank driving] Vozhdenie tankov. Moskva, Voenizdat, 1964. 117 p.

MEGRABOV, G. A. [Methods of constructing and straightening the broken axis of crankshafts in marine internal combustion engines by measured slits] Metody postroeniia i vypriamleniia izlomannykh osei kolenchatykh valov sudovykh dvigatelei vnutrennego sgoraniia po zamerennym raskepam. Moskva, Transport, 1964. 73 p (Bibliotechka sudovogo mekhanika morskogo flota)

NERSESIAN, N. G. [The Fastov Guards Brigade, military history of the 53d Guards Tank Brigade decorated with the Orders of Lenin, the Red Banner and the Orders of Suvorov and Bogdan Khmel'nitskii] Fastovskaia gvardeiskaia, boevoi put' 53-i gvardeiskoi ordena Lenina Krasnoznamennoi, ordenov Suvorova i Bogdana Khmel'nitskogo tankovoi brigady. Moskva, Voenizdat, 1964. 206 p.

PAVLENKO, N. G., ed. [Command decisions. Translated from the English] Vazhneishie resheniia. Moskva, Voenizdat, 1964. 353 p.
(CStmoR)

RUL'KOV, D. I., and V. F. SARATOV. [Navigational buoyage and beacon markers and signaling on inland waterways] Znaki sudokhodnoi obstanovki i signalizatsiia na vnutrennikh vodnykh putiakh. Izd. 4., dop. i perer. Moskva, Izd-vo "Transport," 1964. 127 p. illus.

RUSSIA (1923- U. S. S. R.) TSentral'nyi gosudarstvennyi arkhiv Sovetskoi Armii. [Party and political work in the Red Army, March 1919-1920; documents] Partiino-politicheskaia rabota v Krasnoi Armii (mart 1919-1920 gg.); dokumenty. Moskva, Voenizdat 1964. 534 p.

RYBALTOVSKII, N. IU. [Practical nautical astronomy] Prakticheskaia morekhodnaia astronomiia. Moskva, Izd-vo "Transport," 1964. 124 p.

SPAZHEV, IU. A., A. A. FILIPPOV, and E. A. IUR'EV. [Course in military translation, English] Kurs voennogo perevoda, angliiskii iazyk. Moskva, Voenizdat.
Pt. 2. 1964. 478 p.
___ ___ ___ [Supplement] Prilozhenie. 30 p.

TEREKHOV, A. F., M. P. SKIRDO, and A. K. MIRONOV. [The Taman' Guards Division] Gvardeiskaia Tamanskaia. Moskva, Voenizdat, 1964. 203 p.

VERIN, P. N., and K. V. MOROZOV. [Rocket weapons of antiaircraft defense on the sea] Raketnoe oruzhie protivovozdushnoi oborony na more. Moskva, Voenizdat, 1964. 145 p.

ZAKHAROV, V. K. [Organization of navigator duties on merchant ships] Organizatsiia shturmanskoi sluzhby na morskikh sudakh. Moskva, Izd-vo "Transport," 1964. 66 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation For publishers of such translated periodicals, their subscription prices, etc, see listing at end of this issue

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis Soobshcheniia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R Reports]. Tiflis, vol. 31, no. 1, July 1963.

Table of contents translated·

Sulkhanishvili, G.I. - Numerical solution of a generilized polyharmonic inhomogeneous equation. p. 3.
Zergaria, D.P. - Solution of Dirichlet's problem for certain nonlinear elliptic equations. p. 9.
Pkhakadze, Sh.S. - Decomposition of a measure. p. 15.
Zonenashvili, I.A. - A problem concerning the bending of an elastic plate. p. 23.
Mirianashvili, G.M., and others. - No-noise apparatus for measuring slight radioactivity. p. 31.
Dzhaparidze, A.G. - Experience in forecasting the atmospheric pressure in Transcaucasia using empirical functions of influence. p. 37.
Berezhiani, L.B. - Nature of the molecular compound in the system stearic acid - palmitic acid. p. 45.
Zaalishvili, M.M., Dzhibladze, S.V. - Nature of the contractile proteins of tonic and tetanic skeletal muscles. p. 53.
TSereteli, E.D. - Morphology of the southern part of the Rachin Depression. p. 61.
Kuparadze, M.D. - Muschketowitization in the Dzamskoye iron ore deposit. p. 67.
Geguchadze, Sh.Kh. - Paleogene-Neogene history of the geological development on the Rioni-Kvirila watershed. p. 75.
Nosov, A.A. - New data on alkali trahyte prophyries in Dusheti District. p. 83.
Dolidze, Zh.Sh., Cheiidze, L.T. - Geological history of the Hedera colchica. p. 89.
Tintilozov, Z.K. - Calcite oolite and pisolite in the caverns of Abkhazia. p. 95.
Barata, A.G. - Designing large panel buildings for earthquake conditions. p. 101.
Gdzelishvili, V.V. - New method and device for determining the adhesiveness of soils. p. 109.
Dzhigauri, M.G. - Methods for determining the calendar cut-off lines in the passage of high water through power plant reservoirs. p. 117.
Gogiberidze, IU.M., Kokelidze, M.A., Mikiashvili, Sh.M. - Effect of phosphorus on the surface tension and density of iron. p. 125.
Dzidziguri, A.A., Onlani, Sh.I., Sarychev, R.A. - Study of the thermophysical properties of the rocks of the Tkibuli-Shaori coal deposit. p. 131.
Chkuaseli, T.IA., Kotaeva, D.V. - Pigments of the root system of the grapevine. p. 139.
Mzhavanadze, A.V. - Materials on the causative agent of laurel leaf spot, Colletotrichum noblle (Sacc.) comb. nov. p. 143.
Kharazishvili, K.V. - Injuriousness of Cicadetta montana Scop. to the woody plants in Georgia. p. 149.
Cholokava, A.O. - Study of the species of the weevils (Coleoptera, Curculionidae) of Mta-Tusheti. p. 155.
Bestavashvili, N.Z. - Nimphae of Protonemura oreas Martynov. p. 163.
Gomelauri, L.A. - New genus and species of predatory mites of the family Bdellidae. p. 167.
Gugeshashvili, Sh.I. - Physiological interrelationship between fluid and solid substances in the human body. p. 171.
Kobakhidze, T.D. - Comparative evaluation of the effect of Digitalis purpurea and Digitalis ferruginea on arterial pressure. p. 179.
Sikharulidze, A.I., Bostoganashvili, N.I. - Interrelations between the inhibitory process and hypoxia in schizophrenia. p. 187.
Abashidze, K. - Condition of skin innervation mechanisms in experimental injuries from electricity. p. 195.
Kalandadze, N.I. - Study of stomach tuberculosis. p. 203.
Mindadze, A.A. - Effect of lumbar puncture on body temperature. p. 207.
Bozhanishvili, E.N. - Therapeutic effectiveness of the Leontice sicca extract in subacid and anacid chronic gastrites. p. 215.
Avalishvali, M.G. - Functional condition of adrenal cortex in relation to the treatment of ulcers with some materia medica. p. 221.
Kirvalidze, A.Z. - Zone of painfulness to percussion in acute appendicitis. p. 227.
Oragvelidze, G.G. - Some functions of rhythm in the poetry of V. Maiakovskii. p. 233.
Khintibidze, E.G. - Comments on the literary legacy of Evfimii Afonskii. p. 241.
Dzhaparidze, O.M. - Zurtaketi kurgans. p. 247.

Vol. 31, no. 2, Aug 1963

Table of contents translated:

Kokilashvili, V.M. - Generalized Fourier gap series. p. 257.
Badagadze, V.V. - Approximation of second-order elliptic differential equations by difference equations p. 263
Antidze, Dzh.G. - Structure of a dictionary for machine translation from the Georgian language. p 271.
Burdzhanadze, T.V, Privalov, P.L., Tavkhelidze, N.N. - Vacuum adiabatic calorimeter with automatically regulated heat screens for studying the thermal properties of macromolecular solutions. p. 277.
Gugunava, G.E. - Selecting the frequencies of an electromagnetic field reflecting the morphology of the reference horizon on the territory of eastern Georgia. p. 283.
Mzareulishvili, N.V., Glogobiani, M IA., Davitashvili, E.G. - Reaction involved in the formation of lanthanum hydroxide. p. 294.
Saakashvili, T.G. - Study of the composition of some microelements in the hypertrophied prostate gland. p. 303.
Kakabadze, V.M., Nikolaishvili, Z.G., Mshvenieradze, N.G. - Production of magnesium nitrate by treating serpentinite with nitrous vapors. p. 316.
Uznadze, M.D. - Age of the Goderdzi flora. p. 333.
Mikadze, G.A. - Paleogene volcanism in Tertri-Tskaro District. p. 339.
Kadzharov, M.V. - Analysis of the performance of converters with operation based on a spatial coding method without physical representation of the code. p. 361.
Sekhniashvili, G.M., Mgaloblishvili, L I. - Principal factors affecting the magnetic losses of d.c. machines. p. 369.
Gvaladze, G.E. - Study of the polyembryony in the genus of Allium L. p. 393.
Kimeridze, K.R. - Materials on the formation of Carex inflata Huds. in high-mountain districts of the Caucasus. p. 399.
Aleksi-Meskhishvili, L.G. - Materials on electrophysical methods in mold control. p. 407.
Dzhaparidze, N.I. - Fauna of oribatid mites (Acari, Oribatei) in Georgia. p. 413.
Muskhelishvili, T.A. - Presence of Eremias arguta transcaucasica Darevski in Georgia. p. 421.
Goderdzishvili, G.I. - Effect of starvation diet of various duration on the effectiveness of tin arsenate in sheep invaded with Thysaniezia p. 425.
Kakulila, G.A. - A new species of nematodes of the bark beetle Pityogenes quadrigens Hart. p. 433.
Kalandadze, N.I. - Some histochemical changes in kidneys following acute experimental nephritis. p. 439.
Kobakhidze, T.D. - Biological activity of the leaves of Digitalis purpurea and Digitalis ferruginea. p. 446.
Chelidze, L.N. - Structure of lips and mucous membrane of the oral cavity in little rabbits under the influence of radiation. p. 455.
Makhatadze, V.D. - Effect of some food products on the motor function of gallbladder. p. 463.
Kvaliashvili, A.A. - Timely discovery of stomach cancer. p. 471
Sikharulidze, T.S, Lomidze, T.L. - Treatment of multiple ulcers of the stomach and duodenum. p. 475.
Chachava, K.V., Budzhiashvili, O.N., Kintraia, P.I. - Electrocardiogram of the fetus in the process of paturition under normal conditions and in pathology. p. 481.
Lordkipanidze, M.G. - Treatment of cystic forms of the cleft of spine. p. 489.
Bregadze, O.M. - Electrocardiographic and electroencephalographic data in the case of angina pectoris. p. 493.
Magometov, A.A. - Labiodental consonants in the Tabasaran language. p. 503.
Nanobashvili, I D. - Guild establishments in Telavi p. 511.

Vol. 31, no. 3, Sep. 1963.

Table of contents translated·

Burchuladze, T.V. - Certain boundary value problems for a class of elliptic systems. p. 513.
Pkhakadze, Sh.S. - Decomposition of various types of measures. p. 521
TSkiriia, K.E. - Conditional extreme of a functional in Hilbert space in the case of a continuous number of connections. p. 529.
Chavchanidze, V.V., Bondarev, B.I. - The n-level theory of probability. p. 537.
Khantadze, A.G. - Rotation of a conducting fluid with shifting center. p. 543.
Kvatadze, G.I. - Wave properties of chutes. p [illegible].
TSilosani, N.N. - Electromagnetic transitions of elementary particles (inelastic form-factors). p. 559.
Mgebrian, O.I., Chelidze, Z.A. - Pulse method for measuring internal friction. p. 565.
TSitsishvili, G.V., Sidamonidze, Sh.I. - Effect of radiation on the adsorptive and catalytic properties of aluminum oxide. p 575.
Lagidze, R.M., Akhvlediani, R.N. - Syntheses of some new thiols and their acetyl derivatives p. 577.
Kvirikadze, N.A. - Study of some microelements in the human blood in relation to sex and age. p 587.
Kutateladze, K.S., Chkhikvadze, I.I. - Effect of firing temperature on the binding properties of low-magnesia milled quicklime. p. 589.
Gamkrelidze, P.D. - New data on the tectonics of the central part of the Greater Caucasus (in the boundaries of Svanetiya). p. 605.
Maruashvili, L.I. - Stratigraphic and paleogeographic interpretation of some characteristics of the structure of the terraces of the Ksani and Aragvi Rivers. p. 613.
Gugushvili, V.I. - Basic veins and the ravine of the Tskhaltsitela River in the surroundings of Kutaisi and alteration processes connected with them. p. 619.
Manukian, IU.S., and others - Construction of Gray code counters. p. 655.
Abelishvili, L.G., Trapaidze, L.T., Pirtskhadze, I.P. - Study of the carrying capacity of electric railroads taking into account traction current supply systems. p. 661.
Tkeshelashvili, V.G. - Hydrobiological regimen of Lake Dzhandari. p. 675.
Zhgenti, M.P. - Local strains of bacteria decompos- [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Gueshashvili, Sh.I. - Fluctuation of the relationship between fluid and solid substances of the body in Botkin's disease. p 729.
Rachvelishvili, B.Kh. - Morphological substrate of the secretory activity of gastric glands under normal and pathological conditions p 737.
Aladashvili, V.A., Abuladze, O.G., Vasil'eva, L.T. - Changes in the cholesterol and lecithin amount of blood serum in patients with cholecystitis and liver cirrhosis. p. 745
Dekanozishvili, N.A. - X-ray diagnosis of the traumatic injuries of wrist bones. p. 749.
Dzhaparidze, Z.N. - Contemporary ear marks used by cattle farmers of the Avarskoye Koysu Valley p. 757.
Purtseladze, G.A. - Peasant land reform in Imeretiya and Guriya (Kutaisi Government). p 765.
Table of contents of volume 31. p. 773.
Author index. p. 785.

Vol. 33, no. 1, Jan. 1964.
Table of contents translated:
Kharatishvili, G. L. - Optimal processes with respect to speed in linear controlled systems with delayed action. p. 3.
Topuriia, S. B. - Double Fourier gap series. p. 9
Pevzner, S. L. - Quadrics in n-dimensional hyperbolic space. p. 15.
Baakashvili, V. S., Pozdeev, A. A., Tarnovskii, V. I. - Physical equations describing the state of metals in heredity theory. p. 19
Chavchanidze, V. V. - Fundamental relations in the analytic theory of propositional calculus. p. 27.
Chilashvili, G A. - Problem of three nonidentical particles interacting with a nonlocal factorable potential. p 35.
Mgebrian, O. I. - Dependence of the density of dislocations on the hardening temperature. p. 43.
Chikovani, G. E., Roinishvili, V. N., Mikhailov, V. A. - Mechanism of the operation of a discharge chamber. p. 49.
Salila, R. N. - Formalism of gauge invariance and the mass of vector particles p. 57.
Styro, B. I., and others. - Coagulation of radioactive aerosols with cloud droplets. p. 61.
Chanturishvili, L. S. - Corrections for the relief in measuring the electric potential gradient in the flood plain of a valley. p. 69.
Khvitiia, G. P. - Use of the method of resistance in the approximate determination of the angle of slope of the interface of two media of a crest p. 73.
Vlasenko, V. A., and others. - Production of the isotope B^{10} by the exchange distillation of the complex $(CH_3)_2O.BF_3$. p. 79.
Nanobashvili, E. M., Vachnadze, E. S. - Study of the system $InCl_3 - Li_2S - H_2O$ by the methods of physicochemical analysis. p. 85.
Gabadadze, T. G., Kutateladze, K. S. - Expanding cement based on a burnt alunitized rock. p. 109.
Chikvaidze, B. G. - Automatic electron polarograph. p. 117.
Maruashvili, L. I., Changashvili, G. Z. - New data on supposed traces of glacial activity in the Tso Tsebel'da region (southern foothills of western Caucasus). p. 123.
Dzhanelidze, T. V. - Petrography of the lower part of the Middle Jurassic volcanic formation. p. 131.
Gugushvili, V. I. - Phenomena of halmyrolysis in the Mtavari volcanic series. p. 139.
Losaberidze, An. A. - Second-kind stability of double-hinged curved arches under the action of a hydrostatic load. p. 147.
TSkhvirashvili, D. G., Galustashvili, V. V. - Study of the effect of pH of boiler water on the behavior of boric acid in low-pressure water vapor. p. 155.
Gogiberidze, L. G. - Distribution of velocities in a plane flow at small depths. p. 161.
Gabisiani, A. G., and others. - Deoxidation of open-hearth steel with ferrosilicoaluminum. p. 167.
Zviadadze, G. N., Rtskhiladze, V. G. - Thermodynamics of arsenopyrite decomposition. p. 175.
Chkheidze, M. V., Manukian, IU. S., Machavariani, G. A. - Comparison of numbers represnted in the Gray code. p. 183.
Zhgenti, M. P. - Rhizosphere microflora of winter wheat. p. 191.
Svanidze, M. A. - Types of thin forests in Georgia. p. 197.
TSakadze, T. A. - Effect of some bacterial filtrates, which cause gummose of stone fruits, on the living cells of the peach. p. 205.
Cholokava, A. O. - Weevils (Coleoptera, Curculionidae) injurious to the forests of Kakhetiya. p. 211.
Zirakadze, A. N., Moistsrapishvili, M. G. - Biological evaluation of sedatives and stimulants. p. 219.
Dzhaparidze, S. K. - Administration of antidiphtheritic vaccines. p. 225.
Robakidze, Z. M. - Some problems of the mechanism of the absorption of blood from the abdominal cavity. p. 233.
Gidraladze, M. A. - Study of the hypotensive effect of increpan. p. 239.
TSomaia, N. N. - Treatment of occupational poisoning by arsenic pentoxide. p. 247.
Mamuliia, G. S. - Determining the source of the "Kartlis TSkhovreba." p. 251.

Vol. 31, no. 1, Apr 1964.
Table of contents translated:
Zeragiia, P K - Solution of a nonlinear integro-differential equation by the method of upper and lower functions. p. 3.
Ionescu, D V. - Generalization of Simpson's, Newton's, and Milne's quadrature formulas p. 11.
Nadaraia, E A. - Estimation of a convolution component. p. 19.
Pultr, A - Theory of the homologies of partially ordered sets. p 25.
Drachinskii, A. E. - Riemann - Privalov's boundary value problem for a circle. p. 31.
Narodetskii, M. Z. - Stresses in an infinite plate weakened by three circular holes. p 37.
Andronikashvili, E L., and others. - Low-temperature loop of an IRT-200 reactor. p. 45.
Ramishvili, G. IA. - Dependence of the friction force and friction factor on the closeness of the rubbing bodies. p. 53.
Abashidze, K A - Kinetics of oxidation of a bivalent manganese ion under the effect of a mixed cobalt-copper catalyst. p. 61.
Kobiashvili, V. I. - Vanadium in some naturally-occurring substances. p 67.
Khechinashvili, E. P., Areshidze, Kh. I. - Monocyclic aromatic hydrocarbons of Satskhenisi crudes. p. 73.
Nanobashvili, E. M., Bakhtadze, I. G. - Change of the structural and mechanical properties of gelatin under the effect of ionized radiation p. 79.
Bakauri, N G., and others. - Hydrogenation of phenol in the presence of new catalysts. p. 85.
Khoperiia, T N., Khomasuridze, Zh. F. - Electroless nickel plating of metals. p. 91.
Kakhadze, E. I. - Hydrothermal metamorphism of the enclosing rocks of copper sulfide ores in southeastern Georgia. p. 99.
Kukavadze, N. M. - Evolution of some forms of the genus Cardium in the Akchagyl' age. p. 107.
Kiziriia, G. V - Determination of stresses in composite structures taking into account the nonlinear creep of concrete. p. 111.
Kokoshvili, D. D. - Choice of effective structures for regulating flood waters. p. 119.
Rtskhiladze, V. G., Zviadadze, G. N. - Sublimation of arsenic from arsenopyrite ores of Tsani formation and the condensation of its vapors. p. 127.
Shalhova, K. I., Budberg, P. B. - Evaluation of the strength of the interatomic bond in alloys of the system titanium-niobium-chromium. p. 135.
Zamtaradze, G. K. - Geography and bioecologic characteristics of the representatives of the genus Sibbaldia in the southern Caucasus. p. 141.
Chikovani, T. G., Loriia, M. L. - Effect of the drought of 1961-1962 on trees and shrubs in the vicinity of Tiflis. p. 149.
Gvritishvili, V. A. - Chlorophos and control of the cherry fruit fly (Rhagoletis cerasi L.). p. 155.
Dzhavelidze, G. I. - Results of the study of the developmental cycle of Opisthioglyphe ranae (Fröhlich). p. 159.
Gurchiani, K. R. - Study of Dictyocaulus infestation of buffaloes in Georgia. p. 167.
Andguladze, I. V. - Functional demarcation of symmetric points in the acoustic analysor. p. 175.
Gachechiladze, L. F. - Some structural and histochemical changes in the hypophysis and ovaries of mice following synestrol injection. p. 181.
Kapanadze, D. M. - Function of external respiration in thyrotoxicosis. p. 189.
Natriashvili, D. S. - Etiology, pathogenesis and clinic of cryptorchism. p. 197.
Markarova, O. S. - Function of the thyroid gland and of the ovaries in patients with climacteric syndrome. p. 205.
Gigineishvili, B. K. - Structure of one verbal root with the element -od. p. 213.
Dzhaparidze, Z. N. - One case of the transfer of accent in the Avaric language. p. 221.
Pirpilashvili, P. M. - Use of a "Magic stone" in Georgian popular medicine. p. 227.
Sheviakova, T. S. - Time of the first wall painting of the Telovani Church. p. 235
Lordkipanidze, O. D. - Roman (Italic) bronze vessels found in the village of Nichbisi. p. 243.

AKA[illegible]MIIA NAUK KAZAKHSKOI SSR. Al[illegible]-A[illegible]
[illegible] [ACADEMY OF SCIENCES [illegible] KAZAKH S.S.R. [illegible]] [illegible]
Table of contents translated
[illegible] people [illegible] of [illegible]
[illegible], Sh. [illegible] Pak, N.D., [illegible], D.V. - [illegible] of Kazakhstan. [illegible]
A[illegible] V. [illegible] - [illegible]

Zubakov, S. M. - High-speed sintering and the physical and chemical characteristics of the process. p. 25.
Azerbaeva, R. G., Kuchanskaia, O. F., Melikhov, V. D. - Nonferrous metal tellurides and their properties. p. 35.
Al'muchanbetov, D., Kul'baev, N. - Use of the method of induced polarization at the Uytas copper ore deposit. p. 45.
Beremzhanova, I. A. - Reflex influences from the stomach on the lumph circulation in ontogenesis. p. 51.
Ankinovich, E. A., Vileshina, T. L., Gekht, I. I. - Volborthite from the Middle Cambrian vanadium-bearing schists of Kazakhstan. p. 55.
Akimov, K. T. - Some new equations for the calculation of torsional oscillations of the shafts of multi-cylinder internal combustion engines. p. 68.
Aidarov, G. - The Mogilian monument of the 18th century. p. 77.
Sagadieva, K. Zh., Kozlovskii, M. T. - Amalgam polarography of manganese. p. 85.
Vinitskii, A. Kh. - Empirical laws governing the distribution of masses of excited systems. p. 88.
Gordin, M. N., Karimova, R. F. - Hypotensive and some other properties of the herbage of the periwinkle Vinca minor. p. 91.
Galuzo, I. G. - General problems of parasitology and zoology. p. 96.

Vol. 19, no. 6(219), June 1963.
Table of contents translated:
Polyviannyi, I. R., Malkin, IA. Z. - Studying the separation of arsenic from alkaline sulfide solutions. p. 3.
Orazov, K. IU. - History of the reception and accomodation of evacuated enterprises and population in Kazakhstan. p. 12.
TSoi, S., Rogov, E. I. - Fundamentals of the theory of calculation of the ventilation regimes for simultaneously operating fans. p. 20.
Popovichenko, R. M., Kozhakmov, S. K. - Testing a diesel-powered bulldozer with a catalytic exhaust scrubber. p. 33.
Moiseev, V. A. - Some data on the effect of trace elements on the splitting of cellulose. p. 40.
Rudenko, B. M., Narvait, G. E. - Characteristics of the distribution of copper deposits and ore manifestations in the southern part of the Mugodzhar Hills. p. 46.
Solntsev, A. V. - Deformations of the earth and volcanism as related to polar migrations. p. 51.
Tleulin, S. D., Khairushev, E. A. - Electroencephalography in chronic brucellosis. p. 57.
Popova, Z. D., Sarbasov, Sh. U. - Baykonur group of alumophosphate ore and phosphorite deposits in the Dzhezkazgan region. p. 62.
Kubesov, A. - Nasir al-Din al-Tusi's commentaries on Archimedes' work "On the sphere and cylinder." p. 66.
Dolgikh, S. A. - Internal structure and certain features of the growth of salt cores in the salt domes of the Caspian Sea region. p. 71.
Grinberg, S. V. - Calculating the parameters of maximum discharge frequency curves. p. 76.
Moshkevich, V. S. - Theoretical problems in designing a photoplethysmograph. p. 81.
Gaponov, A. P. - I. I. Prokhorov's 7-day pluviograph. p. 85.

Vol. 19, no. 8(221), Aug. 1963.
Table of contents translated:
Rosliakov, A. K. - Mixed feeds as a potentiality in the intensification of animal husbandry and the improvement of the economic indices of feeding. p. 3.
Lysenko, I. Z. - Recovery of pillars in mining valuable ores. p. 13.
Taibekov, K. E. - A transportation problem in linear programming. p. 21.
Latyshev, G. D., Zhernovoi, A. I. - Nonresonance methods for the demagnetization and magnetic reversal of nuclei in a flowing liquid. p. 32.
Kuzebnyi, V. S., Rabinovich, K. R. - Transverse dikes in the regional zones of crush in the Altai. p. 36.
Shlygin, E. D., and others. - Supergene concentrations of gold in the gold ore deposits of northern Kazakhstan. p. 43.
Turkelov, N. - About aphorisms. p. 47.
Vel'khover, E. S. - The theory of "erh chen liao." p. 53.
Amandosov, A. A. - Moving beams in a resisting medium. p. 60.
Zavgorodnii, A. L. - Method of determining mean values from isoline charts. p. 63.
Akberdin, S. U. - Investigating adult persons as carriers of poliomyelitis viruses. p. 71.
Kubyshev, N. N., Akhmetov, K. T. - A book on the conversion of complex metal mattes. p. 73.

[illegible] ia.
[illegible]
[illegible] in
[illegible]
Istoriia [History].
Table of contents translated:
Orozaliev, K. - Historical significance of Kirghizia's voluntary decision to become a part of Russia. p. 5.

Kabel'kova, M.T. - Establishment and activity of the soviets of Kirghizistan in 1918. p. 13.

Duishematiev, T. - Participation of the "twenty-five thousand" in the establishment of the collective farms in Kirghizistan. p. 35.

Daniiarov, S.S. - Development of public health in Kirghizia from 1918 to 1930. p. 43.

Baibulatov, B. - Settlement of the nomad and semi-nomad population of the Pishpek and Przheval'sk Districts during the period of the land and water reform from 1921 to 1922. p. 49.

Sherstobitov, V.P. - Some problems from the history of the "Interhelpo", in connection with P. Pollak's book "The international assistance of the Czechoslovak proletariat to the peoples of the U.S.S.R." p. 55.

Abdykalykov, A. - Distribution and composition of the Yenisei Kirghiz in the 17th century. p. 65.

Karaev, O. - Some evidence on the economic life of the Kirghiz in the Arab and Persian sources from the 9th to the 12th century. p. 77.

AKADEMIIA NAUK SSSR. Moldavskii filial. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Moldavian Branch. Bulletin] Kishinev, no. 6(84), 1961.

Table of contents translated:

Vznuzdaev, S.T - *Underground waters of* Lower and Middle Sarmatian deposits in the southern part of the Dniester-Prut interfluve in connection with the *estimation of the outlook for the* presence of oil and gas in the area. p. 3.

Orlov, S.S. - Landslides in the Malaya Malina Ravine *in Kishinev. p. 18.*

Sliusar', B.S. - History of the geological development of the lower Prut Valley in the Moldavian S.S.R. during the Sarmatian stage. p. 24.

Vznuzdaev, S.T. - Recent data on underground waters and tectonic dislocations in Cambrian and Riphean formations of the Moldavian section of the Dniester Valley. p. 35.

Simonov, A.I., Zheru, M.I. - Lithology of clays of the Gulbochikhi deposit in the Moldavian S.S R *p. 47*

Shnyrev, V V. - Making use of the phenomenon of phosphorescence in studying the Sarmatian limestones in the southern Prut Valley, Moldavian *S.S.R. p. 69.*

Malov, V.P. - Algae in the Middle Sarmatian bioherms of Moldavia. p 74.

Utkin, V.I. - Concretes made with glass-containing slag as a filler. p. 84.

No. 7(85), 1961.

Table of contents translated:

Krupenikov, I.A., and others - Chernozems of the northern half of Moldavia. p. 3.

Ursu, A.F. - Characteristics of soil formation on the bedrock of the Soroki Upland. p. 24.

Grati, V.P., Turturianu, N.A. - Forms of potassium and phosphorus in the packed Chernozems of Moldavia. p. 33.

Kotelev, V.V., Mekhtieva, E A. - Relationship between the phosphatase activity of microflora and the mobile phosphorus content of soil. p. 41.

Zakharov, I.S. - Distribution of cellulose-decomposing micro-organisms in various soils of Moldavia. p. 49.

Mekhtiev, S.IA. - Characteristics of Moldavian soils based on their biological activity. p. 58.

Sergeeva, N.V. - Bacterial species decomposing tricalcium phosphate and their physiological activity. p. 66.

Sabel'nikova, V.I. - Toxicity of some Moldavian soils in relation to Azotobacter. p. 72.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia. [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin]. Novosibirsk, no. 3, 1962.

Table of contents translated:

Perkul', M.M. - Problems and methods in economic *evaluation of coal deposits.* p. 3.

Grigoliuk, E.I., Kiriukhin, IU.P. - Linear theory of *three-layer shells with a rigid filling. p. 12*

Alabuzhev, P.M., and others. - Interaction of a submerged vibrator with an unlimited medium. p. 25.

Baglai, R D. - Analysis of *direct current amplifiers* with signal *conversion.* p. 30.

Maidanovskii, A.S. - Analyzing the work of a junction transistor self-oscillator under conditions of undervoltage. p. 35.

Golubev, V.S., Panchenkov, G.M. - Layer method for approximate calculation of the dynamics of equilibrium sorption and chromatography. p. 45.

Kirgintsev, A.N. - Fluctuation model of a binary solution. Report No. 2 p. 54.

Opalovskii, A.A., Kuznetsova, Z.M. - Physicochemical study of the interaction of iodine pentoxide with ammonium fluoride. p. 64.

Nikolaeva, N.M., Paramonova, V.I., Kolychev, V.B. - Studying the hydrolysis of uranyl in nitrate solutions. p. 70.

Molchanova, V V, Pliusnin, V G, Alekseeva, I A - Orienting effect in the methylation of benzene by methyl chloride in the presence of aluminum chloride. p. 80.

Shabalin, I N. - Determination of irrigation dates for main farm crops from the physiological indices of irrigated plants in the Kulunda Steppe p 84.

Patrusheva, V.D. - Blackflies in the middle Ob' Valley p 91.

Gundrizer, A N - Biology of the whitefish Coregonus pravdinellus Dulkeit in Lake Teletskoye and the Biya River p 111.

Lisina, A I. - Presence of cembrene in the oleoresin of Larix sibirica Ledb p 120.

Kashtanova, N K., Pentegova, V A - Rosinacids in the oleoresin of Pinus sibirica R Mayr *p. 121.*

Kiknadze, G S - Apparatus for measuring the intensity of fluorescence of a microscopic preparation. p 124

Meshalkin, E.N. - On the forthcoming World Peace Congress held under the slogan "For general and complete disarmament and peace." p. 128.

No. 6, 1962.

Table of contents translated

Levitskii, E M - Life span of the population of Siberia and the Far East p. 3

Bolgov, V I - Leisure time as an index of the living standard of workers. p. 10.

Zainullina, R.S., Cheban, V.M - Determining the dynamic stability of a system with an inverter. p. 17

Karymov, R.G - Study in the cumulative hunting of synchronous generators operating on long electric *transmission lines* p. 26.

Lisin, D.M., Pak Kim-sun - Effect of the briquetting compaction of coal on the process of their thermal destruction. p. 35.

Bobikov, P.I., Gindin, L.M - Commercial separation of metals by the method of exchange extraction *in columns. p 46.*

Opalovskii, A.A, Kuznetsova, Z.M., Luk'ianova, L.A. - Physicochemical study of the interaction of iodine pentoxide with sodium and potassium fluorides. p. 54.

Kletenik, IU.B - Extraction of trivalent iron by isoamyl phosphoric acid solutions. p. 59.

Butina, I.V, Pliusnin, V G., Shevchenko, N.A. - *Analysis of phthalic acids by water extraction.* p. [illegible]

Gorshenin, K P., Kovalev, R.V. - Results achieved and future problems in soil research in Siberia and the Far East. p. 78.

Shakirov, F.Kh. - Comprehensive study of problems in erosion control at the present stage. p. 88.

Pozdniakov, L.K. - Importance of the spatial variability of temperature for the study of forest microclimate p. 93.

Vlasov, A.IA., Aturzanian, B.A. - Temperature *relationship of magnetostriction* and the coefficient of linear expansion of elinvar. p. 99.

Nikolaev, A.V., Durasova, S A., Levin, B.V. - Extraction of uranyl nitrate by undiluted tributylphosphate in laboratory columns. p. 102

Kotel'nikov, N.V, Korenev, N A., Ermolina, T.D. - Effect of the bath and its temperature on the magnetic properties of the nickel layer obtained by the chemical method p. 105.

Aleksandrová, A.G. - Photocolorimetric determination of phosphorus in vegetable material by the use of phosphomolybdovanadic heteropolyacid. p. 108

Karagedov, R.G. - Coal prices and business account*ing. p. 111.*

Shvedov, A.P. - First Conference of Young Geographers of Siberia. p. 115.

Borzunov, V.F. - Scientific conference on problems in the history of capatilism in Siberia (1861-1917). p. 117.

No. 9, 1963. Seriia obshchestvennykh nauk [Series in the Social Sciences], no. 3

Table of contents translated:

Akhnazarov, E.B., Baulin, V.G. - New trends in the development of mine construction in the northeastern U.S.S.R. p. 3.

Gukov, V.P. - Special features of the development of the cement industry in Eastern Siberia. p. 11.

Aristov, V.A. - Development of wood processing in the lumbering industry of Eastern Siberia. p. 17.

Botvinnikov, V.I. - Completion of the West Siberian oil- and gas-bearing province. p. 22.

Strakach, IU.B. - Economics of the Far North. p. 29.

Oldak, P.G. - Methodological problems in the analysis of regional differences in the population's standard of living. p. 37.

Kalinovskii, N.P. - Methods for measuring and analyzing regional differences in real wages. p. 45.

Zimina, V.M., Adamenko, O.M. - A recently discovered monument of the Bronze Age culture near Novoaleksandrovka Village (Altai Territory). p. 53.

Troitskaia, Y N - The bear cult in Ob' Valley. p. 60.

Martynov, A.I. - History of the ideology of the Tagar culture. p. 66.

Karchamnik, V.D - A recently discovered letter written by N.K. Krupskaia. p 70.

Vasilevich, G.M. - The designation "orochon," its origin and geographic distribution p. 71.

Dulov, V I., Tiukavkin, B.G. - New study on the history of the colonization of Siberia. p. 74.

Borzunov, V.F. - Research on the history of agrarian capitalism in Siberia. p 78.

Poznanskii, V.S. - A nonserious approach to a serious topic. p. 80.

Shapalin, B.F., Zakharov, G.A. - A valuable book on the Soviet North. p. 82.

Komogortsev, I.I. - The Third Conference of Historians in the Far East p 86.

Vorob'ev, V.V. - Problems concerning *the geography* of the eastern districts of the U.S S.R., results of the Second Conference of the Geographers of Siberia and the Far East p. 87.

BIULLETEN' MEZHDUNARODNYKH NAUCHNYKH S''EZDOV, KONFERENTSII I KONGRESSOV [BULLETIN OF INTERNATIONAL SCIENTIFIC MEETINGS, CONFERENCES, AND CONGRESSES]. Issued by Otdel mezhdunarodnykh sviazei i informatsii Vsesoiuznogo instituta nauchnoi i tekhnicheskoi informatsii Akademii nauk SSSR [Department of International Relations and Information of the All-Union Institute of Scientific and Technical Information of the Academy of Sciences of the U.S.S R.]. Moscow, nos. 1(38)-3(40), 1964.

GROZNYI. CHECHENO-INGUSHSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ISTORII, IAZYKA I LITERATURY. Trudy [CHECHEN-INGUSH RESEARCH INSTITUTE OF HISTORY, LANGUAGE, AND LITERATURE. Transactions]. Vol. 8, no. 1, 1963.

Contents: Vinogradov, V.B., Losev, I.K., Salamov, A.A. [Chechen-Ingush A.S.S.R. in Soviet historical science; bibliographical review] *Checheno-Ingushetiia v sovetskoi istoricheskoi nauke;* kritiko-bibliograficheskii obzor. 80 p.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestis Izvestiia Akademii nauk Latviiskoi SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Bulletin], Riga, nos. 6(203)-*7(204), 1964.*

LENINGRAD. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A.I. GERTSENA. Uchenye zapiski [A.I. HERTZEN STATE PEDAGOGICAL INSTITUTE, Studies]. Vol. 237, 1963. Tvorchestvo A.I. Gertsena [Works of A.I. Hertzen].

Table of contents translated:

Shcherbakov, A.I. - Great Russian enlightener and revolutionary democrat. p. 3.

Stepanov, N.N. - Historical views of A.I. Hertzen in the 1830's. p. 9.

Grigor'ev, A.L. - Influence of A.I. Hertzen on the interpretation of Russian literature in foreign literary criticism. p. 157.

Grigor'ev, A.L. - Romain Rolland's opinion of Hertzen. p. 173.

Maksimova, M.K. - On the language used by Hertzen. p. 185.

Frumenkov, G.G. - The London "Kolokol" and the Archangel "Kolokol'chik." p. 227.

Bykova, E.I. - A.I. Hertzen in Bukovina. p. 245.

Zen'kovich, L.I., Nabokova, T.I., Tereshchatova, L.S. - Materials for a bibliography of A.I. Hertzen's works and literature on him, 1958-1961. p. 251.

LENINGRAD. UNIVERSITET. Vestnik [UNIVERSITY. Review]. Vol. 19, no. 9, 1964. Seriia biologii [Series in Biology], no. 2.

Table of contents translated:

Andrushko, A.M., Mikkau, N.E. - Distribution and life history of Lytorhynchus ridgewayi Boulenger, 1887 with the ecologic and geographical review of the genus Lytorhynchus Peters, 1862. p. 5.

Kulemina, I.V. - Occurrence of the plerocercoid Dinobothrium (Cestoda, Phyllobothriidae) in a young cod of the Barents Sea. p. 20.

Novikov, G.A., Timofeeva, E.K. - Materials on the ecology of hare in the forest steppe oak groves. p. 26.

Ovcharenko, D.A. - Biology of Dicrocoelium dentriticum under the conditions of the state deer farms of the Far East. p. 35.

Tokin, I.B. - Submicroscopic analysis of the genesis of yolk platelets in the oocytes of Rana temporaria. p. 40.

Voroshilova, G.I. - Structure of embryo and seedling of the wild and cultivated soybean of the Far East. p. 46.

Gorobets, A.M., Pirozhnaia, L.V. - Infructescence ability and susceptibility to Phytophthora of tomato hybrid fruits in the year of crossing. p. 52.
Kal'vish, T.K. - Quantitative composition and species of the fungous flora of various kinds of flour. p. 59.
Neshataev, IU N. - Materials on geobotanical zoning in the central part of Vologda Province. p. 64.
Panteleeva, N.S. - Thin-layer chromatography method for separating nucleotides on ECTEOLA-cellulose. p. 73.
Sitnikova, M.I. - Effect of the central nervous system on the pessimal reaction of myoneural junction p. 80.
Skorobovichuk, N.F. - Optimum and pessimum stimulation in tonic and nontonic myoneural apparatus of amphibia. p. 88.
Taranova, N P. - Content of cerebrosides in the brain of rats of different ages. p. 97.
Voroshilov, N.V. - Genetic approach to the problems of animal breeding. p. 102.
Inge-Vechtomov, S.G. - Reversions of adenineless yeasts to prototrophic quality. p. 112.
Batuev, A.S., Babmindra, V.P. - Interneuronal connections in the cortical ending of the motor analysor following the exclusion of visual reception. p. 119.
Melikian, A.P. - Histogenesis of the spermoderm in Brasenia schreberi Gmel. and Nymphaea capensis Thunb. p. 121.
Smirnov, P.K - Diurnal activity of Dyromys nitedula Pall. *p.* 125.
Chirkova, T.V. - Respiration of plant roots under the conditions of different aeration. p. 127.
Levina, R.E. - The problem of species in biological science; in connection with K.M. Zavadskii's book "Theory of species." p. 131.
Miniaev, N.A., Shmidt, V.M. - Five years of the study of the flora in Pskov Province. p. 135.
Dubinskii, A.M. - E.S. London; on the 25th anniversary of his death. p. 137.

Vol. 19, no. 10, 1964. Seriia fiziki i khimii [Series in Physics and Chemistry], no. 2.
Table of contents translated:
Dubrovskii, G.V. - Adiabatic approximation in collision theory. p. 5.
L'vov, O.I. - Saturation of absorption in an oscillatory spectrum. Dispersion of the saturation. p. 11.
Brattsev, V.F. - Use of a BESM-2M computer in solving the self-consistent field equation for atoms. p. 24.
Adamov, M.N., Kagan, V.K., Rebane, T.K. - Calculating the Stark effect in the hydrogen atom. p. 31.
Kaliteevskii, N.I., and others. - Experiments with a gaseous laser. p. 40.
Geitsi, I.I. - Method of the modulated electron beam and its use in the study of optical excitation functions. p. 47.
Sochava, I.V. - Thermal motion in linear polymers at low temperatures. p. 56.
Materova, E.A., Skabichevskii, P.A. - Ion-exchanging properties of zirconyl phosphate. Part 1: Dependence of the ion-exchanging properties of zirconyl phosphate on the conditions of its preparation. p. 65.
Materova, E.A., Skabichevskii, P.A. - Ion-exchanging properties of zirconyl phosphate. Part 2: Exchange of a number of singly and doubly charged cations for hydrogen ions of zirconyl phosphate. p. 74.
Batiaev, I.M., Zakhar'evskii, M.S. - Oxidation potential in the system ceric - cerous - nitric acid - water - tributyl phosphate. p. 84.
Kravtsov, V.I., Simakov, B.V. - Kinetics of electrode processes in the system chloroplatinate ion - chloro*platinite ion. p.* 90.
Dolgov, B.N., and others. - Disproportionation of hydrogen in the system benzene - ethyl alcohol - isopropyl alcohol. p. 101.
Shevchenko, Z.A., Favorskaia, I.A. - Thin-layer chromatography of 2,4-dinitrophenylhydrazones of isomeric ketones. p. 107.
Stoliarov, K.P., Amantova, I.A. - Spectrophotometric study of ascorbinate complexes. p. 113.
Bulashevich, E.A., Tolkachev, S.S. - Preparation of aluminum oxide dihydrate. p. 123.
Zhikhareva, T.V. - Special case of nearthreshold behavior of sections. p. 125.
Suslov, IU.P. - Penetration of ultraviolet rays of 100-2000 Å wavelengths into the atmosphere. p. 127.
Andreeva, I.IU., Efremov, G.V. - Some chemical properties of boron phosphide. p. 130.
Andreeva, I.IU., Efremov, G.V. - Determination of the chemical composition of boron phosphide. p. 132.
Andreeva, I.IU., Efremov, G.V. - Determination of free boron and phosphorus in boron phosphide. p. 135.
Komarov, V.A., Maslov, P.V. - Ketonization of primary alcohols. p. 137.
In memory of professor K.K. Baumgart. p. 139.

Vol. 19, no. 7, 1964. Seriia matematiki, mekhaniki i astronomii [Series in Mathematics, Mechanics, and Astronomy], no. 2.
Table of contents translated.
Ivanov, A.V. - Properties of generalized solutions to linear elliptic and parabolic equations. p. 5.
Kagan, A.M., Linnik, IU.V. - A class of families of distributions admitting of similar zones. p. 16.
Lenskoi, D.N. - Study of the arithmetical properties of polynomial values. p. 19.
Petrov, N.N. - Continuity of solutions to differential equations and continuous dependence on the parameter. p. 29.
Fomin, V.N. - Stability of linear Hamiltonian equations with periodic coefficients in Hilbert space. p. 37.
Frank, B. - Theory of curves in Minkowski space. p. 46.
Vallander, S.V., Egorova, I.A., Rydalevskaia, M.A. - Boltzmann's statistical distribution as a solution to kinetic equations describing gaseous mixtures. p. 57.
Galanova, Z.S. - Radiation from gaseous volumes with arbitrary distribution of the parameters. p. 71.
Zegzhda, S.A. - Sear's theory of the longitudinal impact of rods. p. 81.
Kulonen, L.A. - Calculation of a laminar boundary layer on solids of revolution. p. 91.
Smirnov, N.V. - Conical flows of an ideal incompressible fluid. p. 107.
Kirpichnikova, S.N. - Optimum coplanar interorbital flight with allowance for the internal mass supply proportional to the time of flight. p. 116.
Nikitin, A.A. - Spectral pattern O III used in calculating the recombination spectrum of stars and nebulae. Part 1. p. 130.
Fesenko, B.I. - Statistical method for detecting multiple star *systems. p.* 144.
Anitova, E.S. - Boundedness of the solutions to a certain system of third-order differential equations. p. 149.
Anosov, D.V. - An integral equation used in statistics. p. 151.
Vallander, S.V., Egorova, I.A., Rydalevskaia, M.A. - Application of Chapman - Enskog's method to a gaseous mixture with internal degrees of freedom and chemical *reactions. p.* 155.
Verzhbinskii, G.M. - Deficiency index of the second and third boundary value problems in a region having a piecewise smooth boundary. p. 161.
Maz'ia, V.G. - Solvability in $W_2^{(2)}$ of the Dirichlet problem for a region having a smooth irregular boundary. p. 163.
Maz'ia, V.G., Sapozhnikova, V.D. - Remark on the regularization of a singular system in the isotropic theory of elasticity. p. 165.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Darbai. Serija B. Trudy Akademii nauk Litovskoi SSR. Seriia B [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Transactions. Series B]. Vilnius, no. 1(36), *1964.*
Table of contents translated:
Styra, B., Vebra, E., Sopauskas, K. - Radioactivity profiles in overcast air. p. 3.
Lujanas, V. - Use of natural H^3 and Be^7 in the study of vertical movements in the atmosphere. p. 11.
Sopauskas, K. - Vertical distribution of radon decay products in the troposphere as related to meteorological conditions. p. 21.
Matulevicius, V. - Use of the filter "saturation" method for recording the diurnal variations of atmospheric radioactivity. p. 29.
Styra, B., Matulevicius, V. - Selectivity of some methods for sampling radioactivity in the air. p. 35.
Slizys, R., Matulis, J. - Processes occurring in the boundary layer of the $NiSO_4$ solution with a nonpolarized nickel electrode and a nickel electrode subjected to cathodic polarization. p. 45.
Matulis, J., Mickus, M. - Theory of chromium plating and its application to tetrachromate electrolytes. p. 57.
Skominas, V., Matulis, J. - Preparation of electrolytic iron-chromium alloys and their corrosive behavior in sulfuric acid solutions with different *pH values.* p. 73.
Pacauskas, E., Janickis, J., Buineviciene, G. - Electrolysis of selenium solutions in concentrated sulfuric acid. p. 87.
Pacauskas, E., Janickis, J., Buineviciene, G. - Polarographic determination of selenium dissolved in concentrated sulfuric acid. p. 97.
Zelionkaite, V., Janickis, J., Kudarauskiene, D. - Formation of higher selenopolythionic acids under the interaction of selenotrithionate with selenic acid. p. 103.
Zelionkaite, V., Janickis, J., Kudarauskiene, D. - Some reactions of higher selenopolythionates. Selenopolythionates of dichlorodiethylenediaminecobalt. p. 117.
Padolskis, M., Janickis, J. - Some physicochemical properties of sodium selenopentathionate. p. 127.
Luneckas, A., Valentukeviciute, L. - Catalytic decomposition of hypophosphites. Report No. 1 Decomposition in the presence of hydroxyl ions. p. 135.
Luneckas, A. - Catalytic decomposition of hypophosphites. Report No. 2 Decomposition in the presence of nickel and cobalt. p. 143.
Norkus, P., Carankute, S. - Use of OsO_4 as a catalyst in arsenitometry. Report No. 5 Determination of sodium chlorite and some iodine compounds. p. 151.
Norkus, P., Valsiuniene, J. - Use of OsO_4 as a catalyst in arsenitometry. Report No. 6: Determination of hydrogen peroxide and sodium chlorite. p. 159.
Baltrusis, R., Maciulis, A. - Mechanism of the reaction of addition of aromatic and some heterocyclic amines to methyl acrylate. p. 163.
Ignataviciene, I. - Some characteristics of atmosphere circulation in the Baltic region. p. 171.
Kavaliauskas, B. - Atmospheric transparency in the southern Baltic region. p. 183.
Tomkus, J. - Suitability of thermal characteristics of the vegetation period for the division of agroclimatic seasons. p. 191.
Zekceris, J. - Natural resources of underground freshwater in the Baltic artesian basin. p. 201.
Abraitis, R., Majauskas, J. - Study of the surface relief of metals subjected to friction with a loose abrasive. p. 207.
Jankauskas, M. - Mechanical properties of weld iron of an old bridge. p. 217.
Jonaitis, S. - Dielectric properties of crushed wood wastes. p. 223.

NALCHIK. KABARDINO-BALKARSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski [KABARDINO-BALKAR STATE UNIVERSITY. Studies]. No. 18, 1963. Seriia sel'skokhoziaistvennaia [Agricultural series].
Table of contents translated.
Kerefov, K N. - For a large harvest. p 3.
Kerefov, K N. - Land as the basic wealth of a collective farm. p 11.
Ruguzov, A.M - Row crop cultivation in Kabardino-Balkar A.S.S.R. p. 19.
Ruguzov, A.M. - Row crop cultivation in the mountain zone of Kabardino-Balkar A.S.S.R. p. 25.
Syromiatnikov, V.I - Improvement of mountain pastures and hayfields in Kabardino-Balkar A.S.S.R. p 27.
Kerefov, K.N., Khaniev, M.Kh. - Productivity of the ear as related to the supplementary fertilizing at the third and fourth stages of organogenesis in the piedmont zone of Kabardino-Balkar A.S.S.R. p. 33.
Kerefov, K.N., Makoev, M.Sh. - Effect of supplementary foliar feeding with trace elements on the productivity and yield quality of wild forage plants. p. 37.
Nefedov, N.I., Sekrekov, P G. - Cultivation practices in the control of wireworms. p. 45.
Butov, I.G. - Sowing time for peas in the Kabardino-Balkar A.S.S.R. p. 49.
Balkarov, Kh.Zh. - Placement of fertilizers in hills and its effect on the growth, development, and yield of sunflowers in the piedmont zone of the Kabardino-Balkar A.S.S.R. p. 55.
Kerefov, K.N., Masliugin, K.I. - Formulating the problem of studying woody vegetation as a factor of soil formati

emancipation of peasants from serfdom in Kabardia and Balkaria in 1867. p. 117.
Khashkhozheva, T.Kh. - Food industry in the economic system of Kabardino-Balkar A.S.S.R. *p. 139.*
Kerefov, K.N - Ten years of struggle and victory. p. 153.

OBSHCHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 8, nos. 5-6, 1964.

ODESSA. UNIVERSYTET. Pratsi [UNIVERSITY. Transactions] Vol. 150, 1960. Zbirnyk students'kykh robit [Student Papers], no. 6.
Table of contents translated:
Preface. p. 5.

[illegible], M.D. - [illegible] movement in [illegible] 19[illegible]5. p.9.
[illegible], A.D. - From the history of class struggle [illegible] village after the reform. p.14.
[illegible] - [illegible] of the history of [illegible] in the first half of the [illegible] p.27.
[illegible] - [illegible] of the Socialist Working [illegible] 1917- March 1918. p.39.
[illegible], I.M. - [illegible] work and beauty. p.47.
[illegible] - [illegible] author in present-day [illegible]
[illegible] - A [illegible] comments on the [illegible] masculine gender. p.63.
[illegible] - [illegible] adjectives in the old- [illegible] p.71.
[illegible] - [illegible] of phrases with [illegible] having a spatial meaning in the [illegible] comparison with Polish and [illegible] p.77.
[illegible] - Distribution of the stars of specific [illegible] within the Milky Way. p.87.
Man[illegible], Preizer, I.B. - Changes in the [illegible] of germanium diodes under the influence of an external magnetic field. p.93.
[illegible], V.Z. - Dielectric losses in powdered [illegible]. p.97.
[illegible], O.I. - Study of the electric conductivity of [illegible] of lead sulfide in an external electric field. p.101.
[illegible], O.M. - Spectral investigation of the mechanism of physical [photographic] developing. p.105.
[illegible], R.A. - Study of the effect of temperature [illegible] of photographic emulsions of low [illegible] by the optical method. p.111.
[illegible], I.A. - Spectral study of the process of [illegible] and destruction of sensitivity centers in the [illegible] sulfide emulsion under the effect of [illegible]. p.117.
[illegible], V.V. - Physicogeographical characteristics of [illegible] Spit. p.121.
[illegible], A.I. - Terraces of the lower Dniester valley. p.127.
[illegible], A.V. - Antimicrobial substances of germinating plant seeds. p.131.
[illegible], T.M. - Application of antibiotics in controlling bacterial [illegible] of plants. p.135.
[illegible], I.M. - Fishes of the Zerhov's Phyllofora field in the northwestern part of the Black Sea. p.137.
[illegible], N.P. - Effect of salinity on the development of the spawn and larvae of carp in the [illegible] p.141.
[illegible], I.I. - Influence of the vegetative nervous system on the heart activity and breathing of rabbits. p.147.
[illegible], T.I. - Influence of novocaine and hexonium on the pressor effect of intra-arterial administration of a hypertonic sodium chloride solution. p.151.
Nazarko, V.S. - Viability of grapevine pollen. p.155.
[illegible], M.I. - Evaluating some varieties and hybrid forms of corn by the yield of the green bulk. p.157.
M[illegible]kal'chuk, S.Z., Hryshchenko, V.F. - Embryology of the sunflower pollinated by various methods. p.1[illegible].

PSKOV GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies] No 11, 1962
Contents Sarchenko, G F. [In the fire of the people's war, from the history of the combat cooperation of the Russian, White Russian and Latvian peoples in the enemy rear during the years of the Great Patriotic War, 1941-1944] V ogne narodnoi voiny. Iz istorii boevogo sodruzhestva russkogo, belorusskogo i latyshskogo narodov v gody Velikoi Otechestvennoi voiny v tylu vraga, 1941-1944 gg. 563 p.

TARTU ULIKOOL. Toimetised Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies] Nos 140, 145, 1963

VORONEZH. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Izvestiia [STATE PEDAGOGICAL INSTITUTE. Bulletin]. Vol. 37, 1961. Voprosy prepodavaniia geografii v vysshei i srednei shkole [Problems of teaching geography in higher and secondary schools]
Table of contents translated:
Karabov, N.I - Basic problems of economic zoning and the economic and geographical characteristics of the regions of the U.S.S.R. p.3.
Ovodov, K.S. - Setting up a natural history course in pedagogical institutes. p.31.
Karabov, N.I. - Content and methods of conducting comprehensive field practice in economic geography with correspondence students. p.41.
Bova, N.S. - Content and methods of conducting comprehensive field practice in physical geography with correspondence students. p.59.
Belokopytov, A.M. - Conducting specialized practice in the preparation of visual aids on geography. p.71.
Perfil'ev, A.I. - Some methods for the stimulation of the teaching of geography in schools, from the practice of Voronezh Province teachers. p.75.
Zabrodskaia, M.P - Methods of working with maps in the geography lessons of the sixth grade of secondary schools p.83.
Maksimov, S Z - Independent work of students with a set of maps in lessons on the geography of the U.S.S.R. in eight-year schools. p.91.
Kartavykh, M I - Practical work on the topic "Countries of people's democracy" in secondary schools p.97.
Chernyshova, E.V. - Use of motion pictures in class as one of the means to stimulate the teaching of geography p.105.
Kravchenko, A V. - Vicinity of Voronezh used for comprehensive school nature excursions. p.113.

b POPULAR MAGAZINES

AMERIKA, illiustrirovannyi zhurnal [AMERICA ILLUSTRATED] Published by the United States Information Agency Washington, D.C., no.95, 1964.

BELARUS' [WHITE RUSSIA] Minsk, vol.21, no.7(220), July 1964.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet piianerskai arganizatsyi imia V.I Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers] Minsk, no 6, June 1964.

DADZIS [THISTLE]. Riga, no.14(182), 1964. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turnal spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia] Presov, vol.14, no 7(191), July 1964 [In Ukrainian]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, no.7, 1964.

KLIVLENDS'KI VISTI. THE UKRAINIAN CLEVELAND NEWS. Cleveland, vol.1, pt.10/12, Autumn 1962-Spring 1963.

KONADNI VIGILS Issued by Belaruski instytut navuki i mastatstva [Whiteruthenian (Byelorussian) Institute of Arts and Sciences] New York, no.7, 1963.

KOREIA [KOREA]. Pyongyang, no.6(95), 1964.

KOSTER [CAMPFIRE]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, nos.6-7, June-July 1964.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol.43, no.18(1740), June 1964.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Noukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinnn, vol.7, no.8, Aug. 1964. [In Estonian]

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no.7, July 1964. [In Latvian]

MEDENIET ZHENE TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no.6(72), June 1964. [In Kazakh]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, no.7, July 1964.

NARODNAIA RUMYNIIA [PEOPLE'S RUMANIA]. Bucharest, nos.5-6, May-June 1964.

NOORUS [YOUTH]. Issued by Eestimaa Leninliku K[illegible]munistliku Noorsooühingu Keskkomitee [Central C[illegible]mittee of the Lenin Communist Youth League of Estonia]. Tallinn, vol.10, nos.7(213)-8(214), July-Aug. 1964. [In Estonian]

NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Foreign Language Publishing House]. Pyongyang, nos [illegible]-6(105), 1964.

NOVI DNI [NEW DAYS]. Toronto, vol 11, nos.120-131 Jan.-Dec. 1960; vol.12, nos.132-143, Jan.-D[illegible]; vol.13, nos.144-154, Jan.-Nov 1962, vol 14, nos.156-167, Jan.-Dec. 1963.

OGONEK [THE LITTLE LIGHT]. Moscow, vol 42, nos.25(1930)-30(1935), June-July 1964.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [[illegible] TO WORKERS' QUESTIONS]. Moscow, nos 5(1[illegible])-6(163), May-June 1964.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol.24, nos.11(526)-14(529), June-July 1964.

PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Le[illegible] Ashkhabad, nos.3-5, 11-12, Mar.-May, Nov.-De[illegible] 1962; no.4, Apr. 1964.

PIONER [PIONEER]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.41, nos.6-7, June-July 1964.

PIONER [PIONEER]. Ufa, nos.2, 7, Feb., July 1964. [In Bashkir]

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pioners'koi organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol.41, no.7(486), July 1964.

RABOCHE-KREST'IANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT] Published by Izd-vo [Publishing House] "Pravda," Moscow, nos.6-8, June-Aug. 1964.

RODINA [OUR COUNTRY]. Issued by Komitet za vozvrashchenie na Rodinu i razvitie kul'turnykh sviazei s sootechestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, vol.6, no.3, May-June 1964.

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vol.11, no.126, Aug. 1964.

ROVESNIK [CONTEMPORARY]. Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, vol.2, nos.5(23)-7(25), May-July 1964.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE. Published by TSentral'na uprava Organizatsii derzhavnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine] Chicago, vol.17, no.8(186), Aug. 1964.

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos.11(234)-12(235), June 1964. [In Lithuanian]

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no.7, July 1964.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no.8(174), 1964.

[illegible] MON[illegible] May-[illegible]

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol.16, no.13(373), July 1964. [In Lithuanian]

UKRAINA [THE UKRAINE] Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol.24, nos.23(387), 26(390)-31(395), June-Aug. 1964

UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOHO ZV'IAZKU Z ZARUBIZHNYMY KRAINAMY. Po radians'kii Ukraini, fotokhronika [UKRAINIAN SOCIETY FOR FRIENDSHIP AND CULTURAL RELATIONS WITH FOREIGN COUNTRIES Through the Soviet Ukraine, Photo Report]. Kiev, no.12, 1963.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelenie Soiuza pisatelei and Sverdlovskii obkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of Lenin] Sverdlovsk, nos 5-6, May-June 1964.

UZBEKISTON [UZBEKISTAN]. Tashkent, vol.23, no.7(271), July 1964

V'ETNAM [VIETNAM]. Hanoi, Vietnam, no.6(81), 1964.

VSESVIT. THE WORLD. Issued by Spilka pys'mennykiv Ukrainy and Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol.7, no.7(73), July 1964.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V I Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol.40, no.7, July 1964.

VOZHYK [HEDGEHOG]. Minsk, vol.24, nos.12(686)-13(687), June-July 1964.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol.11(17), no.7/8(198), July-Aug. 1964

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol.17, nos.6-7, June-July 1964.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of TSentral'noe pravlenie Vserossiiskogo obshchestva slepykh [Central Administration of the All-Russian Society of the Blind]. Moscow, vol.40, nos.5-6, May-June 1964.

ZVAIGZNE [THE STAR]. Riga, vol.14, nos.13(335)-15(337), July-Aug. 1964. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Biblioteka. Novye inostrannye knigi, katalog novykh postuplenii..... [ACADEMY OF SCIENCES OF THE U.S.S.R. Library. New Foreign Books; Catalog of New Accessions....]. Leningrad, nos.4(143)-5(144), 1964.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol.8, no.13, June 1964.

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.27-31, 1964.

——— ——— ——— Dopolnitel'nyi vypusk [Supplementary Issue]. Nos.6-7, 1964.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos.28-29, 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]. Vol.9, nos.18-19, June-July 1964

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 2 Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [PUBLIC LIBRARY Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol.7, no.19, July 1964.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I.Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3 Social Sciences, Belles-Lettres, Art]. Vol.7, nos.18, 20-22, June-Aug. 1964.

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.2-4, 1964.

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos.4-5, 1964.

NOVAIA LITERATURE PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos.4-5, 1964.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos.3-5, 1964.

NOVAIA LITERATURA PO IUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos.1, 3-5, 1964.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no.4, 1964.

NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos.3-5, 1964.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.4-5, 1964.

[illegible]

NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U.S.S.R.]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.4-6, 1964.

NOVYE KNIGI; ezhenedel'nyi bibliograficheskii zhurnal [NEW BOOKS; Bibliographical Weekly]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, nos.24, 27-30, 32, June-Aug. 1964.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.]. Issued by Vsesoiuznoe ob''edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos.23, 25-29, June-July 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol.8, no.6, June 1964.

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [NEW FOREIGN BOOKS ON SOCIAL SCIENCES; Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol 7, nos.6-7, June-July 1964.

SOVETSKAIA BIBLIOGRAFIIA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no.3(85), 1964.

Table of contents translated:

To B.S.Bondarskii. p.3.
Derunova, M.K. - Honored worker in science. p.5.
Konskii, V.N., Lialikova, L.V. - Bibliography as an aid to agricultural production. p.12.
Zaderman, L.I. - Improving the system of bibliographical publications for workers. p.26.
Khotiakov, IA.I. - System of publications announcing the acquisition of new foreign books by Soviet libraries. p.33.
Petrovskii, V.B. - Studying the effectiveness of the reference and bibliographical system of the State Science and Technology Library of the U.S.S.R. p.41.
Ryskin, IU.D. - Method of selecting material for special retrospective bibliographies. p.48.
Laufer, IU.M. - Page from the history of Soviet bibliography. p.56.
Belov, S.V. - History of book-publishing and book-selling bibliography. p.61.
Belen'kii, I.S. - Bibliography of the literature on the history of the CPSU. p.65.
Mil'kina, R.B. - Bibliography of T.G.Shevchenko in the Russian language. p.70.
Glavatskikh, G.A. - Merits and shortcomings of a bibliography on the history of the Don. p.78.
Svatikova, V.A., Eidel'man, B.IU. - Further improvement of the classification tables for provincial libraries. p.81.
Kuznets, IU.L - First book about K.N.Derunov. p.94.
Saks, E.I. - Agricultural subjects represented in "Biologiia," a journal of abstracts. p.97.
Osipova, I.P. - Bibliography of literature on cybernetics, automation, and remote control. p.102.
Andreeva, N.F., Nechaeva, S.F. - Manual on cataloging and the organization of catalogs of periodical publications. p.104.
Skripkina, T.I. - By every means carry out the decisions of the plenums of the Central Committee of the CPSU. p.106.
Khar'kova, A.M. - The science library of Moscow University aids the development of chemistry. p.108.
Babaenko, K.N. - Book Chamber of the Georgian S.S.R. is 40 years old. p.110.
Verevkina, A.N. - In the bibliographical section. p.112.
Tiulina, N.I. - Against reactionary tendencies of bourgeois library science. p.114.
Brief news. p.118.
Gorbunova, T.S. - Worldwide standardization of the statistics of book and periodical publications. p.123.
Busse, N.V. - Great contribution to Bulgarian Bibliography. p.127.
Samarets, I.A. - Valuable reference work on periodicals. p.131.
Krylova, N.V. - "Science citation index." p.134.
Brief news. p.136.

[illegible] NOVYKH INOSTRANNYKH KNIG, [illegible] BIBLIOTEKI SSSR Seriia A [illegible] sel'skoe khoziaistvo, [illegible] OF NEW FOREIGN BOOKS RE- [illegible] BY THE LIBRARIES OF THE U.S.S.R. [illegible] Medicine, Agriculture, [illegible] 1(77)-2(78), 1964

b. LIBRARIES & LIBRARY SCIENCE

[illegible] BIBLIOGRAFIJOS KLAUSIMAI [illegible] BIBLIOTEKOVEDENIIA I BIBLIOGRAFII [illegible] LIBRARY SCIENCE AND BIBLIOGRAPHY]. Issued by Lietuvos TSR aukštosios mo- [illegible] Higher Learning of the Lithu- [illegible] Vilnius, vol 3, 1964

c. PRINTING & THE BOOK TRADE

[illegible] IZDANIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soiuzpechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of [illegible] of the U.S.S.R.]. Moscow, no 2, 6, 1964

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 4-5, 1964

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no 4, 1964

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philosophical Sciences]. Moscow, vol 7, no 2, 1964.

Table of contents translated.

Il'in, S.S. - General direction of the development of socialist agriculture and certain problems of Marxist theory. p. 3.
Aronchik, I.L. - V.I. Lenin's struggle against leftist distortions of socialist culture. p. 11.
Alekseev, P.V. - The Leninist idea of the union of philosophy and science and the struggle for its realization in the U.S.S.R. in the early thirties. p. 19.
Kiselev, V.K. - Relation between material and moral stimuli to work in the period of the large-scale building of communism. p. 29.
Vinokur, A., Ryvkina, R.V. - Socioeconomic problems in the socialist rationalization of production. p. 37.
Malek, Ivan. - Principal trends in Czechoslovak scientific development. p. 45.
Fadeev, I.IA. - The nature of logical necessity. p. 54.
Khoruts, L.E. - Criticism of the idealistic concept of ideology in the "sociology of knowledge." p. 62.
Novikov, M.I. - T.H. Shevchenko's philosophy and our times. p. 70.
Golubev, A.N. - The forming of D.I. Pisarev's materialist views. p. 77.
Shteinberg, V.A. - P. Stuchka and his role in the struggle for the triumph of the Leninist nationality policy. p. 86.
Chechin, M.N. - Luther Burbank's philosophical views. p. 93.
Petrov, IU.A. - Certain logical problems concerning the reflection of motion. p. 102.
Medvedev, N.V. - More about the nature of the psyche. p. 111.
Mal'tsev, V.I. - Erroneous tendencies in understanding the psyche. p. 116.
Rogachev, P.M., Sverdlin, M.A. - The working of the law governing the development of nationality relations under capitalism and socialism. p. 126.
Kosichev, A.D. - How Marx and Engels developed scientific socialism. p. 136.
Gorlianskii, V.A., Mangushev, T.D., Mishin, V.I. - A serious work on the philosophical problems produced by the transition from socialism to communism. p. 147.
Rybakova, N.V., Samsonova, T.V. - Pluses and minuses of an interesting work on ethics. p. 152.
Stolovich, L.N. - About I.B. Astakhov's book, "What is aesthetics." p. 155.
Kogan, L.N. - Vital problems of teaching scientific communism in schools of higher learning. p. 158.
Il'ichev, V.D., Volkova, E.V., Filiukov, A.I. - A new book on the dialectics of living nature discussed by philosophers and biologists. p. 164.
Topics planned for discussion by the journal "Filosofskie nauki" in 1964-1965. p. 168.

b. RELIGION

NAUKA I RELIGIIA [SCIENCE AND RELIGION]. Issued by Vsesoiuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol 5, nos 7-8, July-Aug. 1964.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1/3, 1964

PRAVOSLAVNYI UKRAINETS'. THE ORTHODOX UKRAINIAN. Issued by Ukrains'ka Pravoslavna TSerkovna Rada [Ukrainian Autocephalous Orthodox Church in the U.S.A.]. Chicago, no. 94, Apr.-June 1964

SVITLO. THE LIGHT. Issued by OO. Vasyliiany [The Basilian Fathers]. Toronto, vol. 27, no. 9(501), Sep 1964

VECHNOE [THE ETERNAL]. Paris, no 7/8(199-200), July-Aug. 1964

VIRA I KUL'TURA. FAITH AND CULTURE. Organ of Ukrains'ke naukove bohoslovs'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, vol. 26, no. 9(117), July 1964

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo "Znannia" Ukrains'koi RSR ["Knowledge" Association of the Ukrainian S.S.R.]. Kiev, vol. 4, no 8(47), Aug 1964

4. HISTORY

a. GENERAL

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Materialy i soobshcheniia Issledovatel'skogo otdela [INSTITUTE FOR THE STUDY OF THE U.S.S.R. Materials and Reports of the Research Department]. Munich, no. 48(176), 1963. [Fifteenth Academic Conference of the Institute for the Study of the U.S.S.R., 10-17 July 1963. Contemporary literature and Soviet reality].

Table of contents translated:

Foreward. p 1.
Introduction. p. 3.
Shteininger, A.A. - Various stages of literature in the U.S.S.R. p. 5.
Rzhevskii, L.D. - Soviet literature and Soviet reality. p. 19.
Karakatenko, A.G. - The affirmative hero in Soviet literature. p. 40.
Dikov, IU.V. - Spiritual opposition in Soviet society. p. 51.
Bushman, I.N. - The human element in Soviet lyric poetry. p. 72.
Pis'mennyi, IU.A. - Soviet theory of satire and humor. p. 80.
Galai, N.IA. - Soviet war fiction. p. 89.
Men'chukov, N.E. - Science fiction in the U.S.S.R. p. 97.
Teodorovich, N.A. - Fragments of the religious theme in Soviet literature. p. 116.
Adamovich, A.A. - National literatures of the U.S.S.R. p. 123.
Koshelyvets', I.M. - The last decade of Soviet Ukrainian literature. p. 164.
Fedenko, B.P. - Aesthetic and social ideas in contemporary Soviet Ukrainian literature. p. 177.
Trakho, R.Kh. - Contemporary literatures of the Northern Caucasus. p. 184.
Tekiner, Suleiman. - Contemporary literature of Azerbaijan p 199.
Mkrtchian, Levon. - Contemporary literature of Soviet Armenia. p. 207.
Urban, P.K. - National-historical problems in [illegible] White Russian literature. p. 233.
Kalandadze, Sh.A. - Contemporary literature of Georgia. p 244.
Zunun, Veli. - State of Turkestani literature p. 250.
Stankevich, S.I. - Publishing in the national [illegible] of the U.S.S.R. p. 258.

No. 53/54(181/182), Jan.-Feb. 1964.

Table of contents translated:

Kabysh, S.S. - Permanent crisis of the [illegible] of the U.S.S.R. p. 1.
Vvedenskii, G.A. - Agricultural problems of the Soviet chemical industry. p. 1.
Davletshin, T.M. - The land utilization law of the Soviet Union. p. 19.
Gaenko, F.S. - Present situation of the [illegible] in the U.S.S.R.; based on materials of [illegible] congresses. p. 35.
Mironenko, IU.P. - The role of the Soviet [illegible] prosecution system at various stages of [illegible] history. p. 52.
Teodorovich, N.A. - Problem of Christian [illegible] ism. p. 68.
Voronitsyn, S.S. - Soviet youth in the sphere of the struggle between the CPSU and the Communist Party of China. p. 82.
N.T. - Most important events in the life of [illegible] and religious associations in the U.S.S.R. A chronicle. p. 88.
R.Z. - Brief survey of periodicals in Soviet [illegible] p. 95.
Mironenko, IU.P. - Chronology of events in the U.S.S.R. p. 100.

ISTORIIA SSSR [HISTORY OF THE U.S.S.R.]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 2, Mar.-Apr., 1963

Table of contents translated.

The study of Russian history should contribute to the solution of present-day problems. p. 3.
Cherepnin, L.V. - History and contemporary [illegible] in V.I. Lenin's prerevolutionary works. p. [illegible]
Vakhabov, M.G. - Social nature of "Jadidism" [illegible] Central Asia and its evolution in the period of the Great October Revolution. p. 36.
Gindin, I.F. - The Russian bourgeoisie in the period of capitalism; its characteristics and [illegible] p. 57.
Reikhberg, G.E., Shapik, B.S. - How American [illegible] tors interrogated the envoy of the Soviet government; history of the first Soviet mission to the U.S.A., 1919-1921. p. 81.
Kovalev, I.F. - Prerevolutionary censorship of V.I. Lenin's works; based on the materials of the Central Historical Archives in Leningrad. p. [illegible]
Kashtanov, S.M. - Studying the "oprichnina" of Ivan the Terrible. p. 96.
Nifontov, A.S. - A historian's research work. p. [illegible]
Anfimov, A.M. - Small-scale commodity production in Russian agriculture after the Reform of 1861. p. 141.
Savitskaia, R.M. - New works on V.I. Lenin published in the provinces. p. 161.
Dadykin, R.P. - "White Russian workers in the postwar period, 1946-1960" by I.E. Marchenko. p. [illegible]
Dylakov, V.A. - "T.H. Shevchenko and Russian revolutionary democrats" by E.S. Shablovskii. p. [illegible]
Grishina, M.I. - "Russian foreign policy, 1907-1914" by P.N. Efremov. p. 171.
Pavlenko, N.I. - "The Russian peasant war of 1773-1775" by V.V. Mavrodin. p. 174.
Korolev, B.I. - How the "Ostforschung" falsifies the program of the CPSU. p. 180.
Irinin, V.V. - "From Yalta to disarmament, cold war debate" by J.P. Morray. p. 205.
Igritskii, IU.I. - "Russia" by Ch.W. Thayer. p. [illegible]
Danilina, G.IA. - "The education of a Russian statesman; the memoirs of Nicholas Karlovich Giers." p. 212.
All-Union Conference of Soviet Historians. p. 214.
Ledovskaia, I.V. - The Fifth Inter-Republic Conference on the Agricultural History of Eastern Europe. p. 219.
Mikheeva, E.P. - Enlarged session of the editorial council of the "History of the U.S.S.R." in many volumes. p. 224.
Demeshina, E.I., Khlystov, I.P. - The first session of the "Committee on Social Sciences" of the Northern Caucasus. p. 226.
Kir'ianov, IU.I., Kurashova, N.A., Shebaldin, IU.N. - Work of a group studying the history of the Russian proletariat. p. 227.
Krylov, IU.K. - History of the "Trekhgornaia Manufactura" Combine named after F.E. Dzerzhinskii. p. 232.
Chebaevskii, F.V. - Non-critical reliance on a source. p. 234.
S.S. Valk's 75th birthday. p. 236.
New books. p. 237.

Vol. 8, no. 1, Jan.-Feb. 1964.
Table of contents translated:
Ustimov, V.A., and others. - New computing techniques should serve historical science. p. 3.
Koniaev, A.I. - State control in the first years of Soviet power. p. 30.
Beilina, E.E. - Study of the present stage of socialist competition. p. 52.
Abramovich, G.V. - Cadasters of the "Bezhetskaya Pyatina" region as a historical source. p. 73.
Sakharov, A.N. - The role of leases in the peasant economy of the 17th century. p. 81.
Korzhikhina, T.P. - The formation of the Yakut A.S.S.R., 1922-1923. p. 94.
Iroshnikov, M.P. - History of the organization of the Commissariat of Foreign Affairs. p. 105.
Volk, S.S. - History of the first program of the "Liberation of Labor" group; based on new documents. p. 116.
Perel'man, M.B. - Petr Morozov, a revolutionary worker. p. 127.
Orlik, O.V. - Russian participants and eyewitnesses of the French Revolution of 1830. p. 135.
Tarasova, V.M. - N.T. Turgenev-"Lütteroth"? on the issue of authorship. p. 144.
Lapina, S.N., Semin, S.I. - Some controversial problems of the agrarian history of Soviet society. p. 149.
Ugarov, I.F., IAkovlev, N.N. - Publication of the "Revolution of 1905-1907 in Russia, documents and materials." p. 156.
Semichaevskii, M.A. - Books on the great brotherhood of peoples. p. 167.
Gukovskii, A.I. - A useful book. p. 169.
Chekanova, G.P. - "Outline history of the revolutionary liberation movement of the workers of Transcarpathia in 1917-1923" by N.P. Bazhenova. p. 171.
Kompan, E.S., and others. - "Baronial estates of the right bank of the Dnieper in the Ukraine during the second half of the 18th century" by V.A. Markina. p. 174.
Masanov, E.A. - "Collected works in five volumes" by Ch. Ch. Valikhanov. p. 179.
Poliakov, V.G. - United Nations, Soviet Union, and the falsifiers of history. p. 182.
Pilmak, E.G., Volodin, A.E. - New materials on Radishev and Hertzen; a review of the periodical "Zeitschrift für Slavistik." p. 195.
Kuznetsova, O.V. - "We were there when the world changed" [in German]. p. 203.
Bolkhovitinov, N.N. - "Britain, Russia and the armed neutrality of 1780" [in English] by Isabel de Madariaga. p. 206.
Ievlev, V.V., Kuz'min, S.I. - "Documents on Russo-Hungarian contacts in the Hungarian archives." p. 209.
Institute of History of the Academy of Sciences of the U.S.S.R. in 1963. p. 214.
Keirim-Markus, M.B., Sterlikova, M.A. - Discussing the dummy of the seventh volume of the "History of the U.S.S.R." p. 217.
Mikhoeva, E.P. - Discussing the dummy of the first and second volumes of the multivolume "History of the U.S.S.R." p. 219.
Assaturova, M.I. - Coordinated plan of historical research for 1964-1965. p. 221.
Ushakov, A.V., and others. - A conference of museum workers. p. 223.
Smirnov, I.I. - A museum of glorious tradition. p. 228.
Lokhtova, G.N., Rubin, I.A. - Archival documents as an aid in studies of the history of the U.S.S.R. in schools. p. 232.
Iovva, I. - Our suggestions. p. 237.
Bodrin, V.V. - Some inaccuracies in a publication. p. 237.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.] Moscow, vol. 9, nos. 7-8, 1964.

NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFII [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos. 1, 4-6, 1964.

NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFII [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1, 4, 1964.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 19, no. 4, July-Aug. 1964

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 5, no. 7, July 1963.
Table of contents translated:
Editorial: Raise the ideological seasoning of Soviet soldiers. p. 3.
Zakharov, M. - Soviet military art in the Battle of Kursk. p. 11.
Rudenko, S., Braiko, P. - Sixteenth Air Force in the Battle of Kursk. p. 21.
Mikhailov, A., Grekov, A. - Cuban people in the struggle for freedom and independence. p. 33.
Pankov, D. - Outstanding military commander of the Red Army. p. 49.
Army commanders tell their stories. p. 62.
Bagramian, I. - Flank attack of the 11th Guards Army. p. 83.
Koltunov, G. - Military and historical literature on the Battle of Kursk. p. 96.
Bardadyn, A. - In the fire of the people's war. p. 106.
Semiriaga, M. - Glorious combat route of the Czechoslovakian People's Army. p. 108.
Bernikov, N. - The National Committee "Free Germany." p. 111.
Ganotskii, N. - Military and historical conference in Rostov-on-Don. p. 117.
Krylov, I. - Military and historical conference in the unit. p. 119.
Borisov, E. - Army Commissar 2nd Rank G.A. Osepian. p. 120.
IAskevich, S., Martynchuk, N. - The Kolomna Artillery School is 45 years old. p. 123.
Pyzhakov, A. - Failure of an adventure of Japanese militarists. p. 125.
Povstianoi, V. - Hero of the Patriotic War of 1812. p. 127.

Vol. 6, no. 6, June 1964.
Table of contents translated:
Great victory in White Russia. p. 3.
Bagramian, I. - On the flank of the main strategic grouping. p. 7.
Rokossovskii, K. - Two main strikes. p. 13.
Pokrovskii, A. - On the Third White Russian Front. p. 18.
Rotmistrov, P. - Paces of an offensive of a tank army. p. 27.
Vershinin, K. - The Fourth Air Army in the White Russian operation. p. 31.
Antipenko, N. - Problems of rear support in the White Russian operation. p. 36.
Karavan, A. - In the direction of Minsk. p. 52.
Khromushina, G. - Liberation of Bornholm. p. 57.
Notes on the service in the old army. p. 60.
Assistance of Soviet troops in the restoration of the national economy in White Russia. p. 71.
The White Russian operation in figures. p. 74.
Lototskii, S. - "Teaching the history of military art in higher military schools." p. 87.
Panov, B. - The White Russian operation. p. 93.
Salitan, B. - Czechoslovakian military history journal in 1962-1963. p. 99.
Fel'dman, O., Cheremnykh, V. - Readers' conference of the "Voenno-istoricheskii zhurnal." p. 107.
Books on the history of wars and military art. p. 112.
Egorov, P. - Twentieth anniversary of the Vyborg and Svir'-Petrozavodsk operations. p. 119.
Alymov, I. - Marshal of the Soviet Union F.I. Tolbukhin. p. 122.
Kalinovskii, P., Shevchenko, I. - Corps Commander A.N. Borisenko. p. 124.
In memory of the professor Major General E.A. Razin. p. 126.

b. ARCHAEOLOGY & ANTIQUITIES

MAGADAN. CHUKOTSKII KRAEVEDCHESKII MUZEI. Zapiski. [CHUKCHI MUSEUM FOR REGIONAL STUDY. Records]. No. 2, 1961.
Table of contents translated:
Dikov, N.N. - The first archaeological collection from the interior of the Chukchi Peninsula. p. 3.
Dikov, N.N. - Excavation of the Ust'-Belaya burial ground according to data of 1958. p. 10.
Gokhman, I.I. - An ancient skull from the Chukchi Peninsula. p. 14.
Lebedinskaia, G.V. - Process of restoration of a head on the basis of a skull found at the Ust'-Belaya burial ground. p. 18.
Dikov, N.N. - Prelimenary data on the archaeological research in the Chukchi Peninsula in 1959. p. 21.
Kalinin, A.A. - Chaun-Chukchi Peninsula is waiting for archaeologists. p. 37.
Dikov, N.N. - The first archaeological investigations on the Aion Island. p. 38.
Vas'kovskii, A.P., Kartashova, G.G. - The nature around the Ust'-Belaya man. p. 43.
Paraketsov, K.V. - Quaternary deposits in the Chaun Bay region. p. 45.
Sadovskii, A.I. - Irindshi burial of the fauna of vertebrates. p. 59.
Vtiurin, B.I. - History of ancient glaciation and the development of perennial frozen rocks in the Kanchalan River Basin. p. 62.
Borisov, P.M. - Is the warming of the northern latitudes possible? p. 66.
Nekrasov, I.A. - The origin of some geographical names on the map of the Chukchi Peninsula. p. 77.
Selitrennik, E.E. - Economic development of the Chukchi Peninsula. p. 84.
Glushnev, M.P. - Cage system of keeping fur-bearing animals, a new branch of agriculture in the Chukchi Peninsula. p. 88.
Tarkhov, V.S. - Results of the animal acclimatization on the territory of the Chukchi National Area. p. 89.
Sokolova, T.G. - Use of wild flora by the Chukchi population in the Dezhnev Cape region. p. 96.
Starikov, V.S. - A contribution to the biography of Afanasii Ermilovich D'iachkov, the first native student of the local lore in Markovo. p. 98.
[MICROFILM]

5. SOCIAL SCIENCES

a. COMMERCE

BIULLETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII; prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION; Supplement]. Issued by Nauchno-issledovatel'skii kon"iunkturnyi institut [Scientific Research Institute of Economic Trends]. Moscow, no. 5, June 1964.
Contents: United Nations Conference on Trade and Development. [Declarations of the representatives of international organizations in the general discussion] Zaiavleniia predstavitelei mezhdunarodnykh organizatsii v obshchei diskussii. 46 p.

Nos. 6-8, June 1964.
Contents: United Nations Conference on Trade and Development. [Declarations of delegation heads of developing countries in the general discussion] Zaiavleniia glav delegatsii razvivaiushchikhsia stran v obshchei diskussii. Nos. 1-3 80, 117, 59 p.

NOVYE TOVARY; informatsionnyi biulleten' [NEW CONSUMER GOODS; Information Bulletin]. Moscow, nos. 6-7, 1964.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce]. Moscow, vol. 37, no. 5, May 1964.
Table of contents translated:
Editorial: Spring and summer are busy trade seasons. p. 1.
Trifonov, S. - Improve trade in manufactures. p. 4.
Bespalov, M. - Improve trade administration to meet the present-day demands. p. 11.
Rumiantseva, T. - Nonwoven fabrics. p. 16.
Maikhrovskii, A. - On the problem of vending machines. p. 19.
Safarian, S. - Progress - yes, "Progress" - no. p. 22.
Gorbunov, M., Kaliazin, G. - To operate in a businesslike manner means to count intelligently. p. 24.
Prokhorov, A. - Selecting clothing in a wholesale depot. p. 27.
Egorenkov, P. - Self-service in the stores selling household goods. p. 28.
Markushevich, A. - In the capital of the Soviet transpolar region. p. 30.
Gordzievskii, L. - Potatoes and vegetables are sold peeled. p. 33.
Zorin, P. - More on the repair of television sets. p. 33.
Martymov, S. - Build according to a uniform thought-out plan. p. 34.
Zius'kevich, P. - Conference-seminar of commodity experts. p. 35.
Paragraphs from letters. p. 36.
Grigor'ev, S., Fel'dman, I. - Trade in France and Belgium. p. 37.
Kuprienko, A. - A needed book. p. 43.
Bogdanov, N. - Storeroom lighting. p. 45.
Tikhomirov, A., Kharlamov, B. - Modern kiosks and pavilions. p. 55.
Ivanova, R., Rybak, I. - New refrigerating equipment for the self-service stores. p. 57.

TORGOVLIA [illegible], organizatsiia, novye metody, [illegible] pitaniia [TRADE [illegible] Organization, New Methods, and Equipment [illegible]] Moscow, [illegible]

VNESHNIAIA TORGOVLIA [FOREIGN TRADE]. Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.] Moscow, vol. 44, no. 5, 1964
Table of contents translated
Il'kov, A. - The pressing requirement of our time. p. 3.
At the Geneva forum. p. 7.
Titov, B. - Chemical products in the trade among the countries participating in the Mutual Economic Assistance Council. p. 11.
Ershov, IU. - Development of the Petroleum refining industry in India. p. 16.
Kaspin, A. - Great construction on the Nile. p. 20.
Klochkovskii, L. - Economic policy of the U.S.A. in Southeastern Asia. p. 25.
Vasil'ev, I. - The current problem of Burma. p. 29.
Guberman, R. - Discrimination in the international merchant marine. p. 32.
Kosarev, E. - Costa Rica and integration. p. 35.
Drobiazko, A. - Japanese firms are partners in the All-Union Association of "Raznoimport." p. 39.
Nikitenko, T., Filippov, V. - A new foreign trade organization. p. 39.
Zhdan, V. - Search for new resources. p. 41.
Nachev, N. - Bulgaria expands relations with fraternal countries. p. 43.
Perlovskii, R. - Polish export of chemical equipment. p. 46
Baladzhanian, A. - At the spring Leipzig Fair. p. 48
Fil'shtinskii, S. - External optimism and internal anxiety p. 50
Frenkel', A. - Soviet automobiles in Monte Carlo. p. 52.
Bekleshov, D. - Several problems of advertising. p. 54.
Karpov, B., Kutuzov, V. - The foreign trade regime of Brazil. p. 58.
Frei, L. - Foreign exchange problems in the economy of Great Britain. p. 61.
IUr'ev, A. - The true story about Indian oil. p. 64.
Announcements. p. 66.

b. ECONOMICS

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut ekonomiki. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S S R Institute of Economics. Transactions]. Alma-Ata, vol 9, 1963. Voprosy ekonomiki i razmeshcheniia otraslei tiazheloi promyshlennosti Kazakhstana [Problems in economics and the distribution of the branches of the heavy industry of Kazakhstan]
Table of contents translated
Petukhov, P. M., and others. - Developing and distributing the repair base of the heavy industry. p. 3
Zheltkova, P. P., and others. - Utilizing metal-working equipment in the machinery manufacturing of Kazakhstan p. 49.
Verkhoturov, Kh. N., Nadyrov, A. F., Filimonova, Z. A. - Potentials for improving the utilization of equipment in the Northern Dzhezkazgan mine. p. 59
Fedorova, E. M. - Some potentials for reducing labor intensity in Karaganda coal mines. p. 98
Verkhoturov, Kh. N., Ispolov, IU. D., Zhumabaeva, M. K. - Reducing labor intensity in surface mining operations. p 110.
Shnaidman, L. M. - Unification of output norms as a factor in strengthening business accounting in mines p. 120
Darisbev, M. D. - Problems of developing and distributing ferrous metallurgy in the eastern part of the Soviet Union. p. 127.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 34, no. 12, Dec. 1963.
Table of contents translated:
Editorial: Intensification is the general trend in developing agriculture. p. 1.
Shamshin, A. - Efficiency of measures for soil erosion control. p. 8.
Esin, A. - Agricultural enterprise administration. p. 16.
Nazarenko, V. - Using mineral fertilizers in the U. S. A. agriculture. p. 31.
Tuliakova, Z., Timchenko, F. - Rice as a future crop in Rostov Province. p. 35.
Ivanov, V. - Efficiency of basin snow-water irrigation. p. 40.
Lobov, N. - For a more intensive utilization of the Don floodplain. p. 46.
Dzhulai, A. - Advantages of large rice fields. p. 49.
Radaeva, Z. - Estonia's leading state farm. p. 53.
Valuev, V. - Efficiency of cultivating shrub land by means of sod ploughing. p. 58.
Eremeev, K. - Economic valuation of capital investments in the construction of farm buildings. p. 62.
Tikhonchuk, IU. - Utilize transportation for delivering mineral fertilizers efficiently. p. 69.
Zalevskii, A. - Use agricultural machinery efficiently. p. 73.
Fatuev, M., Moiseev, V. - The RU-4,0 mineral fertilizer spreader. p. 80.
Karpov, K. - Income tax from collective farms. p. 82.
Sdobnikova, O. - Phosphate fertilizers used for summer wheat pay for themselves at a high rate. p. 89.
Kramorenko, V., Lavrinenko, M. - Unit's work practice on a business accounting basis. p. 92.
Khoroshilov, I. - Agriculture of Canada. p. 95.
Dukmasov, N. - Sheep raising in Australia. p. 104.
Udachin, S., Dzikovich, V. - Comprehensive study of agrarian reforms accomplished by the Great October Revolution. p. 111.
Azev, S. - "Economics of Kazakhstan agriculture." p. 113.
Rumiantseva, A. - Useful seminar. p. 115.
Basiuk, F., Kravchenko, R. - Mathematics penetrates economic calculations. p. 116.
List of articles and materials published in the journal in 1963. p. 121.

Vol 35, no. 1, Jan. 1964.
Table of contents translated:
Chemistry is a powerful means of developing agricultural production. p. 1.
Introduction of chemistry is the path toward attaining high labor productivity. p. 11.
Kornev, K. - A high return from capital investments in irrigation p. 12.
Polishchuk, P - For profitable dairy farming. p. 25.
Buzanov, I., Aref'ev, T. - Economics of sugar beet production. p. 31.
Khvan, N. - A beacon shines in the Virgin Territory. p. 48.
Matsepuro, M., Orlov, G., Nazarov, S. - Comprehensive mechanization of farming in the non-Chernozem zone. p. 54.
Mekhtiev, M. - SCHKH-4,0 cotton close-hill-drop planter. p. 63.
Stremskii, N., Bogachik, I. - Deficiencies in planning result in farm losses. p. 65.
Aleshin, V. - Potentials for raising the profitability of production on flax-growing farms. p. 69.
Konovalov, V. - Improve wages for stockbreeding workers. p. 75.
Lopatin, D. - Graphic method for establishing technically based production standards. p. 81.
Lych, G. - Efficiency of land improvement work. p. 87.
Devidze, N. - Efficient utilization of land resources in Adzharistan. p 92.
Zamyslov, I. - Economic valuation of agricultural land based on its feed productivity. p. 94.
Borodaenko, M. - Indices of land utilization. p. 99.
Kriachkov, I. - Output schedule in the piecework-bonus wage system. p. 104.
Instruction "from on high." p. 106.
Nikitin, M. - Struggle for agrarian reform in Chile. *p. 109.*
Mikhailov, M. - There is a need for precise instructions in introducing business accounting on collective farms. p. 113.
M V. - National economy of the U. S. S. R. in 1962. p. 117.
Zhitomirskii, E., Ryklis, V. - Research of the economists of the Odessa Agricultural Institute. p. 122.
Kiriakov, K. - Work of the Bulgarian economists. *p. 124.*

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 7(69), July 1964. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [*Institute of World Economics and International Relations of the Academy of Sciences of the U. S. S. R.*]. Moscow, no. 6, 1964.
Table of contents translated:
Sorokin, G. - Main trends of economic development in the socialist countries of Europe. p. 3.
Vanin, I. - Outer space and international relations. p. 15.
Men'shchikov, S. - The Johnson Administration and political problems of the United States. p. 26.
Mileikovskii, A. - The United States; the rates of development, employment and markets. p. 40.
Bragina, N. - Condition and prospects of the Japanese economy. p. 53.
Socialism, capitalism and the underdeveloped countries. p. 62.
Ostrovitianov, IU. - Socialist doctrines of developing countries; their forms and social nature. p. 91.
Fedorov, L. - Trade unions at the present stage. p. 92.
Brykin, V. - Nyasaland on the eve of independence. p. 103.
Kamusher, K. - The tax reform and problem of economic growth in the U.S.A. p. 100.
Vodinkin, I. - Shaken giant. p. 108.
Shil'man, P., Kur'orov, V. - Dumping, a standard American trade policy. p. 111.
Brief news. p. 113.
Heitzer, G. - Whither West Germany? p. 118.
Kuropiatnik, R. - The electric power of the U.S.A., investment trends. p. 124.
Ushakov, G. - What goes on behind the "Bilderberg Meetings." p. 131.
Ivanov, N. - Foreign troops on foreign territories. p. 137.
Sterbalova, A. - Antonin Novotny. p. 140.
Doinichenko, G. - Patrick Gordon-Walker. p. 141.
Andreev, V. - Edgar Faure. p. 142.
Petrov, V. - Henry Cabot Lodge. p. 144.
Konnova, K. - Most valuable source on the history of the international labor movement. p. 146.
Fetov, V. - Neocolonialism in a liberal guise. p. 150.
Sharkov, A. - A serious study. p. 153.
Kharakhash'ian, G. - In contact with the modern times. p. 156.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Committee of the Council of Ministers of the Armenian S.S.R.] Erivan, no. 7, 1964. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S. S. R.]. Alma-Ata, vol. [illegible], no. 3, Mar. 1964.
Table of contents translated:
Khusainova, S. - Put every cubic meter of gas to work. p. 4.
For the houses of our "tomorrow." p. 8.
Dosmukhamedov, Zh. - Once again under the threat of frustration. p. 9.
Orlov, V. - Chemistry is a good ally. p. 12.
More on a machinery manufacturing base. p. 13.
Kon'ko, N. - Hindrances which might not have been. p. 15.
Karpenko, M. - Developing the industry of a province. p. 18.
Trofimov, V. - The lack of agreement and coordination. p. 22.
IUsupov, K. - A confusion in planning. p. 23.
Woman in productive work. p. 25.
Sakbaev, M. - Business success depends upon correct planning. p. 26.
Bondarenko, V. - Pioneer of nonferrous metallurgy p. 28.
IAtsenko, P. - It should be always this way: [illegible] taken should be a decision carried out. p. 33.
Kasymov, G. - Big concerns of a small accounting office. p. 37.
Ural'skii, M. - When everybody is an efficiency expert. p. 39.
Chukhlov, P. - Accounting and profitability are inseparable. p. 42.
Atchibaev, A. - Develop the Mangyshlak resources faster. p. 45.
Voronina, A. - Innovations yielded good results. p. 47.
Antonov, IA. - They ignore the specialization. p. 49.
Maletin, P. - Deputy Minister of Finance of the U.S.S.R. replies. p. 52.
Poliakov, G. - A heating form without the spiral. p. 53.
Medvedchikov, I. - Efficiency of capital investments in technological innovations. p. 54.
Purits, V. - We value our time. p. 57.
Prikhod'ko, V. - A half-and-half specialization. p. 61
Peskov, G. - A strange and uncomprehensible position. p. 62.
Mikhailov, P. - In the "Don" chromite mines. p. 64.
Shchavelev, A. V. - Analysis and its methods. p. 67.
Kipalov, Z., Moiseenko, I. - The administrator and working capital. p. 72.
Grachev, L., Kulzhanov, D. - Plan without errors. p. 73.
The most important part of the financial plan of building work. p. 76.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE] [illegible] [Fundamental Library [illegible] of the Academy [illegible]] Moscow, [illegible] 1, 3-5, 1964

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, 1964.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U. S. S. R. and the Economic Council of the U. S. S. R.]. Moscow, vol. 41, no 7, July 1964.

Table of contents translated:

Kochubei, A. - Main problems in developing the economy of the Ukrainian S. S. R. p. 1.
Malinin, S. - Several results and prospects for developing the national economy of White Russia. p. 8.
Krasovskii, V., Tolkachev, A. - Economic efficiency of capital investments in the future plan. p. 17.
Shikhov, I. - Use the advantages of mass production. p. 27.
Kotov, V. - Planning the reduction of the cost of industrial production according to the factors involved. p. 33.
Gazaliev, M. - Planning the specialization of industrial production. p. 43.
Ivanitskii, V. - Planning of capital investments in trade. p. 50.
Nikitin, D. - Economic work and improving the efficiency of production. p. 57.
Kokhan, A. - Business accounting in production sections of a workshop. p. 64.
Osyka, G., Laban, P. - Strengthen intraplant business accounting and increase the profitability of enterprises. p. 68.
Lukin, V. - Analysis of carrying out the plan for workshop expenditures with the aid of electronic computers. p. 71.
Berezin, B., and others. - The repair of equipment should be conducted on industrial bases. p. 76.
Perepechin, I. - How to determine draft efficiency. p. 83.
Kuzin, V. - Adjusting deliveries. p. 85.
Nefedova, E., Bolchenko, L. - Supply aluminum production with a norm base. p. 87.
Volgman, B. - Make the establishment of norms for working capital more precise. p. 88.
Kokarev, N. - The most important condition for the profitability of lumbering enterprises. p. 88.
Klinskii, A. - Methodological problems of developing the five-year plan. p. 90.
In the National Economic Council of the U. S. S. R. p. 94.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 21, no. 7, July 1964.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 7, July 1964.

Table of contents translated:

Intensification of agriculture and the role of economics. p. 3.
Vinogradov, K. - Potentials of machinery manufacturing should be applied to serve the chemicalization of the national economy. p. 12.
Gomberg, IA. - Skilled labor is one of the factors in the differentiation of wages. p. 21.
Tonurist, E. - Means of agricultural intensification. p. 31.
Dmitrashko, I. - Economic efficiency of specialization within the individual production units of collective and state farms. p. 41.
Manz, Gunter. - New development in the planning and guidance of the national economy of the German Democratic Republic. p. 53.
Oleinik, I., Raevskaia, E. - Methodological problems of equalizing the levels of the economic development of socialist countries. p. 63.
Nemchinov, V. - Models of national economic planning. p. 75.
Glushkov, V., Fedorenko, N. - Problems of the wide introduction of computers into the national economy. p. 87.
Pugachev, V. - Optimal planning of the national economy with the aid of the unified state system of computing centers. p. 93.
Atlas, M., and others. - Economics of socialism and national economic problems. p. 104.
Khessin, N. - Concept of "economic cell" and its methodological significance for the economics of socialism. p. 117.
Khachaturov, T. - Determining the efficiency of capital investments in the countries participating in Comecon. p. 129.
Bakulev, G., Levin, G. - Serious errors in a work on the economics of electric power. p. 138.
Slutskina, S. - From the history of the criticism of bourgeois and revisionist economic thought. p. 143.
Chernysheva, V. - Theoretical bases and a method of accounting for price determining factors in price planning. p. 147.
Klinskii, A. - Methodological problems of planning ahead. p. 152.
Borisov, E., Donskoi, G. - Research work and the teaching of economics in evening and correspondence schools of higher learning. p. 166.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U. S. S. R. State Bank]. Moscow, vol. 22, no. 6, June 1964.

Table of contents translated:

Vorob'ev, V. - The most important task of State Bank branches. p. 3.
Batyrov, V. - Currency circulation during the large-scale building of communism. p. 16.
Rodionova, V. - Efficiency of capital investments and bank control. p. 25.
Chernyshev, V. - Issuing credit for individual housing construction in a village. p. 32.
Valentseva, N. - Problems of issuing credit to enterprises on the basis of turnover. p. 37.
Problems of currency circulation:
  Karasaev, N. - Economic work on currency circulation. p. 41.
  Grechishchev, IU. - Currency circulation under the new conditions. p. 44.
  Voilukov, A. - Preparing the payment and receiving plan. p. 48.
Rogulin, A. - Give more attention to collective and state farms. p. 52.
Uglianitsa, G., Artemenko, I. - Working capital of collective farms. p. 56.
Reshetniak, IU. - For the efficient introduction of progressive work methods. p. 58.
Polonskii, L. - Our practice. p. 61.
Kurenev, IA. - Workers' savings are increasing. p. 63.
Krachina, V., and others. - We are speeding-up report preparation. p. 63.
Issuing credit, payments and control through the ruble; survey of letters. p. 67.
Kubyshkina, L. - The credit and money system of the Republic of Mali. p. 75.
Barinov, E. - Control over foreign exchange and foreign trade in Japan. p. 82.
Brief information on foreign exchange and banks abroad. p. 89.
In the Board of the Directors of the State Bank of the U. S. S. R. p. 93.
In the Board of Directors of the State Bank of the U. S. S. R. and the Presidium of the Central Committee of the Trade Union of Government Employees. p. 94.
Conference of chief auditors. p. 94.

Vol. 22, no. 7, July 1964.

Table of contents translated:

Barkovskii, N. - Develop credit relations. p. 3.
Nikitin, V. - Capital investments of collective farms and long-term credit. p. 15.
Sentiakov, N. - Bank's role in developing the economy of Novosibirsk Province. p. 21.
Breido, M. - Use potentials more fully. p. 27.
Zatsiorskii, I. - Improve the procedure of issuing credit to farm mechanization agencies "Sel'khoztekhnika." p. 31.
Tarasov, S. - Ways to facilitate payments among regional economic council enterprises. p. 36.
Kur'iakov, V. - Credit and payment service to the [illegible] p. 39.
[illegible] Bank branches
[illegible] Party and
[illegible] p. 44.
[illegible] arried out
[illegible] mmunist way.
p. 51.
Aksent'ev, IA. - In the communist labor collective. p. 54.
Polovnev, N., Rakov, V., Ban'kovskii, I. - Use accounting machines more efficiently. p. 56.
Chernikov, S. - New development in financing capital repairs. p. 60.
Serebriakova, L. - Foreign exchange problems of the countries participating in the "Common Market." p. 69.
Brief information on foreign exchange and banks abroad. p. 79.
Atlas, Z. - Study on the theory of money in Russia. p. 86.
Give more attention to coordinating economic work. p. 91.
Activist groups, conferences and seminars. p. 92.
In the Board of Directors of the State Bank of the U. S. S. R. p. 94.

FINANSY SSSR [FINANCE OF THE U. S. S. R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U. S. S. R.]. Moscow, vol. 38, no. 7, July 1964.

Table of contents translated:

Editorial Important tasks of Construction Bank branches. p. 3.
Vinokur, R. - Comprehensive use of chemistry in the national economy and finance. p. 8.
Dedkov, E - Accounting centralization and machine accounting in public institutions p 17.
Kheifets, S. - Ways to increase the profitability of service industry enterprises. p. 22.
For economy and thrift
  Lakhov, B., Shekhovtsov, G. - Uncovering potentials is the main thing in the work of financial organs. p. 27.
  Lisitsyn, B. - Reduce expenditures for building materials. p 32.
Zlobin, I. - Several problems of the science of finance. p. 37.
Miroshnikov, I. - State insurance should aid the intensification of agriculture p. 45
Strengthen financial service in enterprises
  Krasavin, A. - Against underestimating financial work. p. 50.
  Gokhman, I., Riumin, S. - Discussion results of the regulation draft on financial service in enterprises. p. 52.
Go deeper in the economics of collective and state farms.
  Bogdanov, K - Control of execution is the main thing. p 56
  Chmirevskii, N. - Lagging farms should be given principal attention. p. 58.
  IAremenko, I. - Potentials of poultry-breeding state farms. p. 59.
  Grigorenko, B., Silkin, N. - Audits produced beneficial results. p. 61.
Frolov, S. - A year of work under the new conditions. p. 62.
Danilov, V - Eliminate deficiencies in the construction of the Cheboksary Chemical Combine. p. 66.
Arshavskii, M. - Results of negligence. p 68.
The new and progressive should be introduced more boldly, survey of articles and correspondence received by the editor. p. 69.
Indriunas, K., Kasparavicius, A. - In a progressive collective. p. 75.
Barmin, V. - Analysis of expenditures for civic improvement. p. 77.
Dundukov, G. - Useful textbook on financing railroad transportation. p. 82.
Subbotina, K. - Literature on finance published in 1964. p. 85.
Eremeeva, G - Correspondence school students discuss important economic problems. p. 89.
Conference of financial workers' activist group. p. 92.
New departments are working successfully. p. 93.
Insurance workers' conference. p. 94.

d. LABOR

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda." Moscow, nos. 5-6, May-June 1964.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by TSentral'ny Kamitet Komunistychnae partyi Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 40, nos. 5-6, May-June 1964.

e. SOCIOLOGY

AZERBAICHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 6, June 1964. [In Azerbaijani]

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 11, 13/14, June-July 1964.

NASHE ZHYTTIA, OUR LIFE. Issued by Soiuz ukrainok Ameryky [Ukrainian National Women's League of America, Inc.] Philadelphia, vol 21, no 7, July-Aug. 1964

NOUKOGUDE NAINE [SOVIET WOMAN] Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no 7, July 1964. [In Estonian]

RADIANS'KA ZHINKA [SOVIET WOMAN] Issued by Ukrains'ka respublikans'ka rada professiinykh spilok and Spilka radians'kykh pys'mennykiv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 19, nos. 5(221)-6(222), May-June 1964

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, vol 41, no. 14(892), July 1964.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R. S. F. S. R.]. Moscow, vol. 25, no. 5, May 1964.

Table of contents translated:
To the new successes. p. 2.
For you, man! p. 8.
Nazarov, A. - . . . And told about their troubles. p. 10.
Frolov, K. - But they still continue to write. p. 19.
Polonskii, G. - Organization and control of the machine accounting of pension payments. p. 22.
Kuznetsov, I. - Line of reasoning of a specialist physician. p. 26.
Kuznetsov, V. - Disability evaluation. p. 27.
Farutin, A. - Every physician should have specialized knowledge. p. 30.
Efremov, D. - Ability to work of breast cancer patients. p. 30.
Sivakov, A. - Disability evaluation committees should have permanent staff. p. 33.
Dubov, A. - Lessons of the last year. p. 37.
Andreeva, N. - Why is there no special workshop. p. 38.
For efficient control. p. 42.
Chemistry in our service. p. 44.
Vlasov, S. - These problems should be solved.... p. 46.
TSaturov, M. - There are many who need them, but the orders are not forthcoming. p. 49.
From the Collegium of the Ministry. p. 52.
Personnel of the organs and institutions of social insurance. p. 54.
Smirnov, S. - Under what conditions and according to what documents are the army service and the training period included into the length of service record. p. 56.
Questions and answers. p. 59.
Social conditions in the various parts of the world. p. 60.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, nos. 6-7, 1964.

ZMINA [THE YOUNGER GENERATION]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos. 6(135)-7(136), June-July 1964

6. POLITICAL SCIENCE

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, nos. 457(7)-458/459(8-9), July-Sep. 1964.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia] Tallinn, vol. 20, no. 7, July 1964. [In Estonian]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 43, nos. 6-7, June-July 1964. [In Kazakh]

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol. 47, no. 6(480), June 1964

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 41, no. 9, June 1964.

Table of contents translated:
Editorial: Science helps to build communism p. 3.
Against dogmatism and vulgarization in literature and art. p. 9.
Naumenko, P. - Food industry and chemistry. p. 27.
Kosov, V. - Fertility conveyor. p. 35
Koniushaia, R. - From the manuscripts of Marxist classics: Pages on agricultural chemistry. p. 42.
Zhilin, P., Larionov, P., Sviridov, N. - Practice of Rostov Communists. p. 47.
Rochet, Waldeck. - In the name of genuine democracy, progress and peace. p. 55.
Dissenters will not push world communism from the Leninist path. p. 79.
Beliaev, I., Cheprakov, V. - The United Arab Republic enters a new stage. p. 87.
Pastukhov, N. - Uncommitted states and the struggle for peace. p 97
Kulikova, I. - Approval by friends and forced acknowledgement by foes. p. 104.
Leont'ev, B. - Poverty of spirit. p 110.
Striganov, V. - Culture and agricultural workers p. 119.
Two fields for scholarly studies. p 122.

Vol. 41, no. 11, July 1964.

Table of contents translated:
Editorial: Our ideal is general and complete prosperity. p. 3.
Il'ichev, L. - Revolutionary science and the present. p. 12.
Ponomarev, B. - The building of communism in the U.S.S.R. is the great international task of the Soviet people. p. 36.
Communism is the highest realization of humanism. p. 62.
In the Central Committee of the CPSU: the 100th anniversary of the founding of the First International. p. 78.
Kheinman, S. - Intensification of industrial production. p. 88.
Standard-bearers of communist labor:
  Movement striving for the future. p. 89.
  Gorshenev, IU. - Accelerator of our growth. p. 93.
  Zinov'ev, M. - Schools of progressive practice. p. 98.
Biszko, Bela. - The Hungarian Socialist Workers Party is for the unity of the international. p. 102.
Szurdi, Istvan. - Changes in the organization and management of industrial production. p. 110.
Dimeny, Imre. - Material incentives in the service of the Socialist development of agriculture. p. 115.
Kudachkin, M., Mostovets, N. - The liberation movement in Latin America. p. 121.
Berezkin, A. - Lesson of history. p. 131.
Senichkin, I. - Journal of young communists. p. 140.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 38, no. 7, July 1964. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 37, no. 12, Dec. 1963.

Table of contents translated:
Editorial: In a brotherly family. p. 3.
New manifestation of the party's care for the development of production forces and the welfare of workers. p. 9.
Masherov, P. - The Communist Party of White Russia is a combat unit of the CPSU. p. 14.
Lagun, S. - Brilliant example of the triumph of the Leninist nationality policy. p. 26.
Molochko, A. - Further rapproachment of socialist nations. p. 31.
Kishkin, S. - The White Russian Economic Region. p. 38.
In a single system toward a cherished goal:
  Borodkin, M. - His majesty the workers' class. p. 43.
  Mel'nikov, S. - Masters of the land. p. 47.
  Strel'tsov, B. - It took its rise from the peopl . p. 51.
Visiting the construction sites of the seven-year plan. p. 54.
In friendship with brothers:
  Puchinskii, I. - Minsk-Volgograd. p. 58.
  Kurlovich, A. - Where three Republics meet. p. 59.
  Korobok, IA. - Cultural ties are strengthening. p. 61.
  Pinchuk, N. - Sisters, workers. p. 63.
  Lysov, I. - Good neighbors. p. 64.
White Russia exports and receives. p. 59.
Through the eyes of our guests. p. 65.
Proksha, L. - Be highly conscious of your social debt and your paying it off. p. 67.
For the propagandist's notebook. p. 70.
Dates, events, people. p. 74.
Index of articles and materials which appeared in the "Kommunist Belorussii" in 1963. p. 77.

Vol. 38, no. 5, May 1964.

Table of contents translated:
Editorial: Educating workers in a patriotic and internationalist spirit. p. 3.
On current themes: Powerful instrument to influence the masses ideologically. p. 9.
Zhukovich, G. - It is for us to build communism and live by it. p. 13.
IAzykovich, E., Khatskevich, A., Kriuchok, R. - Victory was forged by all the peoples of our country. p. 18.
Krut'ko, N. - Powerful forces of a revolutionary transformation of the world. p. 24.
Gorbachev, M. - For intelligent management. p. 30.
Krasnova, N. - Party organization in school. p. 34.
New features of ideological work. p. 39.
Lashkevich, V. - Bring the job to an end. p. 41.
Bezruchko, L., Kononov, G. - Reprimand is not our method. p. 45.
Klishin, I. - Be implacable to shortcomings and alien manners. p. 48.
On certain aspects of party life in the Communist Party of China. p. 53.
Sochnev, A. - The life calls for it. p. 67.
Protasenia, P., Murnev, A. - Useful scientific investigation. p. 71.
People, events, dates. p. 75.
Departments of social sciences in schools of higher learning. p. 79.

Vol. 38, no. 6, June 1964.

Table of contents translated:
Mazurov, K. T. - Great triumph of the Soviet system and communist ideas. p. 2.
Feast of victory, labor and accomplishments. p. 17.
Lipilo, P. - Together with the Army and to its aid. p. 23.
Rashevskii, N. - Symbol of eternal glory. p. 29.
Vasil'ev, G. - Men of immortal achievements. p. 33.
Borshchevskii, G., and others. - Their names will forever live in our people's memory. p. 38.
Chaika, D., Borin, P. - Valor in work. p. 45.
For the propagandist's notebook. p. 48.
Ageev, I. - In the friendship of peoples rests our strength. p. 52.
New features of ideological work. p. 57.
For a correct account of the history of the Communist Party of Western White Russia. p. 59.
Stepanov, V., Pankratov, V. - Book on a current problem. p. 71.
People, events, dates. p. 76.
Departments of social sciences in schools of higher learning. p. 79.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA] Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 20, no. 7, July 1964.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no 8, Aug. 1964.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 1, Jan. 1964.

Table of contents translated:
Shelest, P. E. - Chemistry as the assault front of the struggle for communism. p. 4.
Value the confidence of Communists. p. 18.
Bogdanov, M., Tomashchuk, V. - The most important product of the chemical industry. p. 26.
Bubnovskyi, N. - The training of specialists is a guarantee of success. p. 31.
Zadorozhnyi, V., Romanov, A. - Promoting further development of public eating establishments. p. 36.
Gurzhii, I., Sarbei, V. - New development of the Soviet Ukrainian historical science. p. 46.
Kopnin, P. - Man and the epoch in contemporary philosophy. p. 59.
Evteev, P. - The theory of farm management. p. 66.
Roi, I. - Popular readings on communism. p. 69.
Golovakha, I. - The great Ukrainian thinker. p. 72.
Vat'ian, G. - The building of communism and the development of closer relations between the socialist peoples. p. 82.
Petrov, B. - Leader of the Ukrainian large-scale chemistry. p. 88.
Borodkin, IU. - A word from the chemical workers in Rozdol. p. 89.

Seroshtan, N. - The most important aspect of organizational work. p. 90.
Shabitovskii, E. - The problem of literary mastery in journalism. p. 93.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan] Tashkent, vol. 35, no 11, Nov. 1963.
Table of contents translated:
Editorial: The banner of October is the banner of Leninism. p. 3.
Zaidov, M. - Raising the general cultural and technical level of workers is one of the most important conditions for the growth of labor productivity. p. 12.
Elisavetskii, B. - Economic cooperation of socialist countries. p. 19.
Vengerskii, V. - Rich possibilities for grain output in Uzbekistan. p. 28.
Muftakhov, Kh. - Development of interfarm cooperation. p. 37.
Nadzhimov, G. - Let's educate workers in the spirit of Soviet patriotism and proletarian internationalism. p. 46.
Avazmatov, K. -Let's manifest our convictions by deeds. p. 54.
Saparov, M. - Practice and life promt it; from the work experience of party organizations of brother republics. p. 61.
Toropchin, E. - Workers should be armed with the knowledge of concrete economics. p. 66.
Fakhreidinova, D. - Against a nihilistic attitude to monumental hyperdecorative art. p. 73.
Seryi, IA. - The role of the Central Asian Bureau of the Central Committee of the Russian Communist Party (Bolsheviks) in carrying out the carving out of nationality republics in Central Asia. p. 79.
Shenger, IU. - Utilization of exchange and money relationships during the period of the building of communism. p. 87.
Akbarov, A. - Search for Lenin's legacy. p. 92.
New books and brochures. p. 96.

Vol. 35, no. 12, Dec. 1963.
Table of contents translated:
Editorial: Consolidate the successes and raise the economy of the collective and state farms which have fallen behind to the level of those ahead. p. 3.
Alimov, R. - Irrigation and land reclamation problems in the Karshi steppe and the Zeravshan Valley. p. 12.
Vakhabov, M. - History of the heroic Leninist party. p. 21.
Aripov, E., Shukurov, B. - Contribution of chemical scientists to agriculture. p. 28.
Soviet school is an important step in training and education:
Muratkhodzhaev, A., Afanas'ev, A. - Great step in bringing the school nearer to life. p. 36.
Abdullaev, Sh. - A forge where teachers are prepared. p. 43.
Abidova, K. - For the unification of the process of training and education. p. 48.
Dzhuraev, M. - Skillful combination of training and productive work. p. 51.
IUsupova, D. - School, collective farm land, university. p. 54.
Babadzhanova, R. - Everday attention to the work among women. p. 56.
Vaks, P., Kalumov, F. - Boom on the state farms in Fergana. p. 63.
Khakimov, A. - Let's produce more fruit, potatoes, melons. p. 69.
Iliskovskii, M. - Economic assistance of the U.S.S.R. to underdeveloped countries. p. 75.
Naumov, S. - Glorious path of the fighting avant-garde of the workers' class of the German Democratic Republic. p. 83.
List of articles and materials published in the periodical "Kommunist Uzbekistana" in 1963. p. 91.

Vol. 36, no. 1, Jan. 1964.
Table of contents translated:
Editorial: On the Leninist course to communism. p. 3.
Khudaiberdyev, N. - For the mass training of farm workers, for a thorough knowledge of fundamentals of agricultural technique and agricultural chemistry. p. 10.
Rybakov, V. - Large-scale chemical industry of the Republics of Central Asia. p. 19.
Ivanov, R. - Technical progress in the chemical industry. p. 26.
Geller, B. - Chemical fibers and their future. p. 33.
Usmanov, S. - Agrarian transformations in Cuba. p. 41.
Isamiddinov, N. - Planning within a collective farm. p. 52.
Belyi, V. - School of initiative, activity, and education of workers. p. 57.
Lunin, B. - The past year and the new year, an aid for the propagandist and the agitator. p. 66.
Kudabekov, T. - The Tashkent "workers' fortress." p. 75.
Atamirzaev, K. - 40 years since the Lenin call to join the Party. p. 80.
Zevelev, A. - To the shining memory of the fourteen Turkestan commissars. p. 85.
Pidaev, T. - Marx and Engels on the press. p. 91.
Ferapontov, B. - Throw a thorough and brilliant light on the experience of masters of high yields. p. 93.
New books and brochures. p. 96.

Vol. 36, no. 7, July 1964.
Table of contents translated:
Editorial: Heading for the glorious jubilee. p. 3.
Against the dissidents and for the unity of the communist movement. p. 10.
Nature of the relations between socialist countries. p. 21.
Ziiadullaev, S. - Industrial Uzbekistan. p. 35.
Valiev, A. - Formation of a national intelligentsia in Uzbekistan. p. 46.
Ismailova, S. - Brotherly amity of the Uzbek and Ukrainian peoples. p. 53.
Aleskerov, IU. - The Communists of Samarkand in the struggle for Soviet rule. p. 58.
Zakirdzhanova, A. - The development and quality of social service to the population. p. 64.
Akhmedov, Kh. - The role of water reservoirs in the intensification of irrigation in agriculture. p. 72.
Momot, IA., Safarov, T. - Fuller utilization of potentials to increase the grain output. p. 80.
Churkin, T. - Organizers of rural communists. p. 86.
Talinov, Ch. - People's Poland builds socialism with success. p. 91.
New books and pamphlets. p. 95.

LENINIAN UGIOV [LENIN'S WAY]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party Armenia]. Erivan, vol. 43, nos. 6-7, June-July 1964. [In Armenian]

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]. No. 1[illegible]45), June 1964.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 21, no. 25(995), June 1964.
Table of contents translated:
Editorial comment. p. 1.
Sedin, L. - The Geneva charter. p. 4.
Gonionskii, S. - United States policy in Latin America after J.K. Kennedy's death. p. 8.
People in the news:
Lal Bahadur Shastri; Kirti Nidhi Bista. pp. 11, 14.
International relations of the Soviet trade unions; an interview with P.T. Pimenov. p. 12.
Bezymenskii, L. - Debate in Bonn. p. 16.
IUr'ev, S. - Czechoslovakia in figures. p. 18.
Krasnopol'skii, V. - Moscow exhibition season. p. 19.
International notes. p. 21.
The Amundsen rescue story. p. 23.
Mikhailov, S. - Jose Artigas, a champion of Uruguay's freedom. p. 27.
World events. p. 30.
Supplement: Treaty of friendship, mutual assistance and cooperation between the Union of Soviet Socialist Republics and the German Democratic Republic. Report on the friendship visit to the Soviet Union of Comrade W. Ulbricht, First Secretary of the Central Committee of the Socialist Unity Party of Germany and Chairman of the State Council of the German Democratic Republic. p. 31.

Vol. 21, no. 26(996), June 1964.
Table of contents translated:
Editorial comment. p. 1.
N.S. Khrushchev in Scandinavia; a mission of peace and friendship. p. 3.
Sedin, L. - A new round of disarmament talks. p. 6.
People in the news:
Gustavo Machado; Todor Pavlov. pp. 9, 22.
Trofimova, I. - Poland's development program. p. 10.
Sergeeva, N. - Indoor America (to be continued). p. 12.
Gus, M. - The folly of anticommunism. p. 15.
IAkunin, V. - In memory of Doctor Baliga. p. 16.
Levin, V. - Events in British Guiana. p. 18.
International notes. p. 20.
Shishkin, G., Dragunov, G. - Journey to Liechtenstein. p. 23.
Chlenov, A. - Meeting Afewerk Tekle. p. 26.
Leont'ev, B. - A look into the future; a book review. p. 28.
Ushakov, G. - Who is behind Goldwater. p. 30.
World events. p. 32.

Vol. 21, no. 27(997), July 1964.
Table of contents translated:
Editorial comment. p. 1.
N.S. Khrushchev in Scandinavia; a mission of peace and friendship. p. 3.
Bykhovskii, B. - Cold-war philosophy. p. 6.
Bochkarev, IU. - The new situation in the Congo. p. 9.
Strelin, A. - A new U.S. manuever in Latin America. p. 12.
Senator Martinelli on his U.S.S.R. visit; an interview. p. 15.
Popov, IU. - The African proletariat. p. 16.
People in the news: Dominic Mintoff. p. 17.
Nilov, V. - Background to Malawi. p. 18.
Smyslov, D. - Sterling in danger. p. 20.
International notes. p. 22.
Golikov, A. - One day to Karachi. p. 24.
Gerasimov, V. - The Budapest fair. p. 27.
Rozen, V. - The "free world" The rise and fall of Fritz-Aurel Goergen. p. 29.
Answers to readers' questions:
Paklin, N. - France's neocolonialist striking force. p. 30.
World events. p. 32.

Vol. 21, no. 28(998), July 1964.
Table of contents translated:
Victory for peaceful coexistence. p. 1.
Editorial comment. p. 3.
Shiga, Yoshio. - The Communist Party of Japan and my convictions. p. 5.
Grishanko, I. - Militarism against science. p. 10.
People in the news: Tullio Vecchietti; Joseph Luns. p. 12, 21.
Sergeeva, N. - Indoor America. p. 13.
Klička, O. - Revengemongers. p. 16.
New Soviet economic agreements, an interview with I.F. Semichastnov. p. 17.
Cimorra, Eusebio. - Franco's "big maneuvers." p. 18.
Kotishev, N. - More "anschluss" plans. p. 20.
Golant, V. - Senator Filibuster doesn't despair. p. 22.
Sidenko, V. - Hour of decision in Southern Rhodesia. p. 23.
International notes. p. 25.
Listov, V. - Operation Marquetalia. p. 27.
Andronov, I. - Charting a nation's course; a book review. p. 29.
Sokol'skii, M. - The philosophy of optimism; a letter to the editor. p. 31.
World events. p. 32.

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol 19, no. 8, Aug 1964. [In Latvian]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 7, no. 3, Mar. 1964.
Table of contents translated:
Editorial: For a higher level of party leadership in the national economy. p. 3.
Makhmudov, N. - Our course to overall mechanization. p. 9.
Giliazitdinov, D. - We facilitate the training of agricultural engineers. p. 14.
Saliev, K. - Komsomol members heading rice-growing state farms. p. 18.
Shakirov, Sh. - In the new sulfuric acid plant. p. 21.
Chubov, P. - Activists study chemistry. p. 22.
Orlov, G. - Admit only the deserving into the party. p. 25.
Let's meet the spring in model fashion. p. 32.
On measures to intensify the atheistic education of the Republic's population. p. 35.
Seminar for the secretaries of party committees. p. 39.
Kondratenko, N. - According to a single plan. p. 41.
Ishanturaeva, S. - The main subject should be contemporaneity. p. 45.
Khasanova, Kh. - Rural women workers in the front line. p. 49.
Fazylov, A. - Against religious dope. p. 52.
Rakhmanov, A. - In the workshop for political education of a collective farm. p. 55.
Nazarov, M. - The party organization of Turkestan in the years of the Civil War. p. 57.
Bababekov, R. - They help the collective to success. p. 62.
Ruzibaev, T. - Our garden city is becoming beautiful. p. 64.
Kudriantsev, V. - Everyday life of inspectors and party organizers. p. 68.
Plugian, R. - The heart of each job. p. 74.
Madaliev, K. - Spring came to Guzar. p. 78.
Palatskii, B. - The party group is the soul of the collective. p. 81.
Khamagaeva, L. - Always on the go. p. 83.
Artishchev, V. - This is how she is, our Inobat! p. 85.
Rules for the renewal of party organs. p. 91.
Buranov, K. - A useful handbook on the fundamentals of scientific atheism. p. 93.
Party chronicle. p. 96.

P 5 84

vol.7, no.7, July 1964.
Table of contents translated
[illegible] - Agriculture should be given qualified specialists. p.3.
Against the [illegible], for the unity of the communist [illegible] p.8.
[illegible], F. - Irrigation is the guarantee of high yields. p.2[illegible]
[illegible], M. - Closer to people, to production. p.2[illegible].
[illegible], I. - For the Komsomol goal of 100 centners. p.30.
[illegible], M. - Movement of the scouts of our future and the increase of labor productivity. p.34.
[illegible], V. - To promote the role of the plenary sessions of party committees. p.39.
[illegible], S. - Work with the individual is the key to success. p.43.
Valiev, K. - Industrial culture is the order of the day. p.46.
Be ready for the machine harvesting of cotton in an exemplary manner. p.49.
Our native town will be even more beautiful. p.52.
Zainullin, K. - The Communist Party of Uzbekistan during the Great Patriotic War. p.53.
Khalmatov, M. - We respond with deed. p.58.
Shadiev, Kh. - Always in search. p.60.
Iskanderov, M. - *Promote political education on the* mass level. p.62.
[illegible], A. - Need to improve social science teaching. p.66.
Musakhodzhaev, S. - Let's work in places where people live. p.70.
Kurbarov, V. - Give care and attention to evening schools. p.71.
Atametov, A. - In the club of a collective farm. p.73.
Rakhmanov, A. - Groom convinced atheists. p.75.
Ilyasov, N. - Useful seminar. p.76.
Solov'eva, N. - Watchers. p.78.
Ismailov, F. - A visitor came to the executive committee. p.81.
Lisenko, V. - Active helpers. p.84.
Shakirov, Sh. - Isolated from the masses. p.86.
Aksenov, K. - There are 45 now, there will be 60! p.88.
Bluk, A. - By whom and why the Federation of Malaya was created. p.90.
Follow-up of the articles in "Partiinaia zhizn'." p.93.
Ideological work needs deeper elucidation. p.94.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION] Issued by TSentral'nyi Komitet Kommunisticheskoi partii *Sovetskogo Soiuza [Central* Committee of the Communist Party of the Soviet Union] Moscow, vol.8, *no 7, July 1964*

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol 7, no.7(71), July 1964

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet Gazette] Moscow, vol.8, nos 23(297), 2[illegible](303), June-July 1964.

RUSSIA (1923- *U.S.S.R.*) Verkhovnyi Sovet. Vedomosti [*Supreme Soviet* Gazette] Moscow, vol.27, nos.26(1217), 32(1223)-34(1225), June, Aug 1964.

RUSSKOE DELO RUSSIAN CAUSE *Issued by Pred*stavitel'stvo rossiiskikh emigrantov v Amerike [*Russian Immigrants'* Representative Association in America] New York, vol.6, no.8(68), *Aug. 1964.*

SOTSIALISTICHESKII VESTNIK. THE SOCIALIST COURIER *Organ* of Rossiiskaia sotsial-demokraticheskaia rabochaia partiia [*Russian Social Democratic* Workers' Party] New York, vol 43, no.11/12(783-784), *Nov.-Dec. 1963*

TURKMENISTAN *KOMMUNISTI* [*COMMUNIST* OF TURKMENISTAN] Organ of the Central Committee of the Communist *Party of Turkmenistan* Ashkhabad, vol 39, nos.5-6, 1964 [In Turkmen]

UCHENYE ZAPISKI KAFEDR ISTORII KOMMUNISTICHESKOI PARTII SOVETSKOGO *SOIUZA VYSSHEI* PARTIINOI SHKOLY PRI TsK KPSS I MESTNYKH *VYSSHIKH* PARTIINYKH SHKOL [STUDIES BY THE DEPARTMENTS *OF THE* HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION OF THE HIGHER *PARTY SCHOOL*, ATTACHED TO THE CENTRAL COMMITTEE OF *THE* COMMUNIST PARTY OF THE SOVIET UNION, AND LOCAL HIGHER PARTY SCHOOLS]. Moscow, *no. 4, 1964.*
Table of contents *translated*:
Kochelov, V.Z. - The communist labor *movement* in the plants and on the construction sites of large-scale chemistry in Bashkiria. p.3.
Borovikov, G.A. - Consolidation of rural party organizations in the Ukraine and the increased role of these organizations in the development of communal stockbreeding from 1953 to 1959. p.36.
Liubtsev, A.V. - The party and soviet press in the nationwide discussion on the draft of the seven-year plan; based on materials of the central and local press. p.63.
Panteleichuk, A.A. - Contribution of the working class to the consolidation of the material and technical base of agriculture. p.91.
Krasil'nikov, I.D - Struggle of the Bolshevik Party under V.I. Lenin's guidance *for* peace and against the Trotskiists and "left-wing" communists from October, 1917 to March, 1918. *p*.116.
Kuznetsov, P.A. - The *new stage of the antimonopolistic* movement in the imperialist countries as interpreted in the program of the CPSU. p.145.

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN] *Issued by the Central Committee of the* Communist Party of Uzbekistan]. Tashkent, vol.36, nos 5, 7, *May, July* 1961. [In Uzbek]

VIL'NA *UKRAINA* [FREE UKRAINE] Issued by Ukrains'ka vil'na hromada v Amerytsi [Ukrainian Free Society of America] New York, vol 11, no.13, 1964

ZNAMIA ROSSII; organ russkoi nezavisimoi monarkhicheskoi mysli [THE BANNER OF RUSSIA, Organ of Russian Independent Monarchistic Thought]. New York, no.246, Aug 1964.

7. LAW

LENINGRAD [illegible]

[illegible] Morskoe pravo i praktika [Maritime Law and Practice], no. 19.
Table of contents translated:
Aleksandrova, K.I. - Liability of sea ports and rail*roads for the* loss of imported freight arriving in a sealed car. p.3.
Bursa, N.P. - Maritime conflicts in the practice of arbitration agencies. p.8.
Vorokhobskii, A.IA. - Maritime law of the People's Republic of Bulgaria. p.12.
Maksimadzhi, M.I. - *Pilotage of* sea vessels in Norway. p.19.
The code of maritime law of the Polish People's Republic (conclusion). p.24.
Selected articles of decree of December 1, 1961 on the enactment of the code of maritime law of the Polish People's Republic. p.42.
Decree *of* September 28, 1953 on the merchant marine *of the* Bulgarian People's Republic. p.44.
Decisions of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. p.64.
Decisions of the State Arbitration Agency attached to *the Council of Ministers* of the R.S.F.S.R. *p*.67.
Decisions of the State Arbitration Agency attached to *the Executive* Committee of the Leningrad *Soviet of Workers'* Deputies. p.69.
Decisions of the [illegible]
of [illegible]
Decis[illegible]
att[illegible] Union Board of *Trade*. *p*.71.
Decisions of English courts. p.73.
Decisions of French courts. *p*.76.
In the International Maritime *Committee*. *p*.78.
New foreign studies in the field of maritime law. p.80.

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]. Moscow, no.7, 1964.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. *Organ of Institut* gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of *the Academy of Sciences* of the U.S.S.R.]. Moscow, vol.34, no.5, May 1964.
Table of contents translated:
Ushakov, N.A. - N.S. Khrushchev's message and the peaceful settlement *of* territorial disputes between governments. p.3.
Kudriavtsev, V.N. - More on the problem of studies of criminal delinquency *and its* causes. p.11.
Nasit, Anita, Fodor, Inna. - The *role of judicial* practice in the formulation and improvement of norms of socialist law. p.21.
Bagdasarov, IU.M. - Certain legal problems *of the organization* and operation of the Economic Council *of the Central* Asian Economic Region. p.31.
Mamutov, V.K - Relations between enterprises and their *superior governmental* organs and the problem of *contract liability*. p.42
Brodskii, L.L. - Legal nature of preliminary orders placed by distribution organizations with manufacturing enterprises. p.52.
Zenin, I.A - Cooperation on the production level. p.61.
In the Presidium of the Supreme Soviet of the *U.S.S.R.* *p*.6[illegible].
Struchkov, N.A. - Law on correctional labor and pedagogy. p 70.
Anashkin, G.Z. - Forms of intent in offenses against the external security of the U.S.S.R. p.7[illegible].
Sokolov, A.A. - Prevention of law violations by *juveniles requires more attention*. p.88.
Gus'kov, N.M., Gukovskaia, N.I. - Forms of cooperation between scholars and practitioners in the study of juvenile delinquency and its prevention. p.91.
Abzhanov, K. - Broadening of legal safeguards making the right to work effective. p.95.
Livshits, R.Z. - Liability for injuries to the health of workers and employees in Soviet law. p.10[illegible]
Motovilovker, IA.O. - Certain problems in the statutory law on criminal procedure. p.111
Bannykh, M.P. - Community participation in cultural and educational work of local soviets. p.117
Konovalov, M.F. - Development of community participation in cultural establishments of Moscow. p.122.
Kvachadze, Z.A. - The development stage of the soviets of Georgia today. p.126.
Dordevic, Jovan. - Fundamental characteristics of the new Yugoslav constitution. p.129.
Chernilovskii, Z.M. - Research work of Polish [illegible] in the history of law. p.135.
Talalaev, A.N. - Another anticommunist [illegible] p.142.
Work of the Scientific Council of the Academy of Sciences of the U.S.S.R. on the general problem "The laws of socialist development and the transition to communism." p.145.
Work of the All-Union Institute on the Study of Causes and Prevention of Criminality. p.148.
Kerimov, D.A., Sorokin, V.D. - A.S. Fedoseev's "Democratic centralism as the leading organizational principle of the Soviet governmental apparatus" *p*.150.
Kravchenko, V.V. - Adam Lopatka's "The Communist Party's leadership of a socialist state." p.151.
Sakharov, A.B. - B.V. Kharazishvili's "Behavior motives of a criminal according to Soviet law." p.153.
T.L. - "Collection of agricultural laws." p.15[illegible].
Shurmalov, V.M - N.M. Minasian's "The subjects of contemporary international law." p.158.
New legal literature in the U.S.S.R. (January-February 1964). p.161.

8. EDUCATION

a. GENERAL

AZERBAICHAN MEKTEBI [AZERBAIJANI SCHOOLS] *Organ of the Ministry of Education of the Azerbaijan S.S.R.* Baku, no. 6(201), June 1964. [In Azerbaijani]

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION] Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.25, nos.6-7, June-July 1964.

KAZAKHSTAN MEKTEBI [*KAZAKHSTAN SCHOOLS*] Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol.30, no.5, May 1964. [In Kazakh]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.25, no.7, July 1964.

LITERATURA PO *PEDAGOGICHESKIM NAUKAM I NARODNOMU OBRAZOVANIIU* [LITERATURE ON THE *PEDAGOGICAL* SCIENCES AND PUBLIC EDUCA*TION*]. Apr.-June 1963. Issued by Gosudarstvennaia biblioteka po narodnomu obrazovaniiu [State Library of Public Education]. Moscow, no.2, 1963.

MAKTABI SOVETI [SOVIET SCHOOL]. Issued by Ministerstvo prosveshcheniia Tadzhikskoi SSR [Ministry of Education of the Tajik S.S.R.]. Dushanbe, no.6, *June 1964. [In Tajik]*

NARODNAIA ASVETA [PUBLIC EDUCATION]. Organ of Ministerstvo asvety BSSR [Ministry of Education of the White Russian S.S.R.]. Minsk, no.6, June 1964

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION] Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R]. Moscow, no 6, June 1964.

Table of contents translated:
Editorial: School, family and community. p.1.
Let's improve the physical education of students. p.6.
Reshetov, V. - Russian language in the national minority schools. p.8.
Zaitsev, A. - Let's improve our preparations for the beginning of the school year. p.12.
Good initiative and useful deeds. pp.15, 22.
Pioneers. p.16a
Chukanov, A. - When the schools get help. p.16.
Sychev, A. - Compulsory education requres constant care. p.18.
Tiuliunnikov, F. - Our communal workers. p.21.
Bocharova, G. - District Office of Public Education and its head. p.24.
Karelin, N. - For the schools of militant atheism. p.33.
Questionable and unquestionable. p.35.
Romanenko, A. - Cooperation in educational work. p.37.
And how are things going with you? pp.41, 50.
Kyrkalov, V. - Friendship helps. p.43.
Orlov, B. - Pedagogical education of parents. p.46.
Students as psiciculturists. p.48a.
Erdniev, P. - Didactics as a dialectical science. p.51.
Kalukova, E. - Running start. p.54.
Kletson, S. - United effort of a collective farm and a school. p.59.
Saranchuk, M. - Young machine operators. p.62.
Nechaev, M. - Young meliorators. p.63.
Strunin, V. - Summer of the Pioneers. p.65.
Solov'eva, E. - In the Pioneer camp "Vostok." pp.70, 80a.
Krechetova, E. - In a Moscow region village. p.72.
Uritskii, N. - Antireligious motion pictures. p.79.
Rakhmanin, N., and others. - How to grade behavior. p.81.
Mosiakin, A. - Trust and exactingness. p.84.
Shliachtenko, G. - D.I. Mendeleev on secondary education. p.85.
Maksiashev, P. - Where the great critic lived. p.88.
Monakhov, N. - Visiting with the pedagogues of fraternal Hungary. p.92.
Foteeva, A. - Visiting the schools of West Germany. p.95.
Gurin, O. - Public education in Turkey. p.100.
Protsenko, V. - For each teacher. p.102.
Bookshelf. pp.105, 108, 112.
Tiutin, A. - Facts speak. p.106.
IAkovleva, A. - Fortieth anniversary of "Vozhatyi." p.109.
Kliucharova, I. - People of labor tell about their time and about themselves. p.111.
Shakhidzhanian, V. - Artists on the art of education. p.113.
Lebedev, P. - New textbook on literary geography. p.115.
Khmel', N. - Interest is the best stimulus. p.116.
Prokop'ev, I. - In a Pioneer camp. p.117.
New books for children. p.120.
Read it in the periodicals. p.122.
In the Ministry of Education of the R.S.F.S.R. p.123.
Reading on literary criticism in Leningrad. p.124.
Assistance of local soviets. p.125.
Noteworthy dates. p.127.
Strezikozin, V., and others. - For the new school year. Supplement. p.16.

No.7, July 1964.

Table of contents translated:
Editorial: Let's instruct them creatively, let's teach them better methods of study. p.1.
Sedakov, V. - Let's give more attention to the schools of rural youth. p.6.
Belous, A. - Training center at the "Friendship" Collective Farm. p.13.
Men'shikov, L. - Great tasks and considerable possibilities. p.16.
Work of the young ones in the fields and on the farms. p.16a.
Good initiative and useful deeds. p.20.
D'iachkov, A. - Schools for the deaf, blind and mentally handicapped children. p.22.
Balaniuk, G. - What kind of pedagogical institutes do we need. p.26.
And how are things going with you? pp.30, 66.
Alibaev, S. - With the help of educational community. p.31.
Zankov, L. - Elementary education and the problems of didactics. p.34.
Questionable and unquestionable. p.39.
Safin, A., Biktasheva, R. - School and chemistry. p.45.
Vinogradov, IU. - What kind of physical education lesson is good? p.47.
Ivanova, G. - Students illustrate the classics. p.48.
Twenty clubs in one school. p 48a
Golovnin, IU - Industrial training brigades at the enterprises. p 51
Sazonov, A. - In the two rural schools of a province. p 53.
Demin, A. - Ranks of machine operators are growing p.56.
Mel'nikov, I. - Every school should have a day screen. screen p.58.
Zakharova, E - With a school organization of the Communist Youth League p.60.
Sergeev, V. - Based on the revolutionary and labor traditions. p 62
Markina, A. -Beauty movement expands. p.65
Chaklin, V. - Let's keep an eye on students' posture. p.67
Malorova, I., Sorotskaia, O., Furmaniuk, V. - Teachers, Pioneers and Junior Pioneers. p.70
Silant'ev, V., and others. - More on self-education. p.75.
Pokrovskii, N. - Let's never forget about the students. p 79.
Podorol'skii, N - Teachers write to Chekhov. p.80.
Sergeev, T. - School dedicated to I N. Ul'ianov p.83.
Solov'eva, E - Exhibition dedicated to the 95th anniversary of N.K. Krupskaia's birthday p.85.
Tulodetskii, V. - Twentieth anniversary of public education in the Polish People's Republic. p.87.
Bernshtein, M. - Searching for ways to reorganize secondary education in the United States. p.90.
Dal'strem, E. - Changes in the public education system in Sweden. p.94.
Brief news. p.95.
Ginevskii, IA. - In the schools of communist countries. p.97.
Hysek, IAn - Knowing the language of our friends. p 98
Aleksandrov, B. - Good and useful publication. p.99
Belov, A. - Aid for atheistic education p.102.
Bookshelf. pp.103, 113, 121.
Borisov, I. - Invitation to the future. p.105.
Levina, I. - New textbook for adults. p.108.
Bukhman, L. - Let's bring television into schools p.110.
Grigor'ev, I. - New features in pedagogical sciences. p.112.
In the schools of Krasnokamsk. p.112a.
Vol'khin, D. - "Vocational guidance work with adolescents in schools" by M.D. Vinogradova. p.114.
Lebedeva, E. - Among the new publications of pedagogical literature. p.115.
Read it in the periodicals. p.119.
New books for children. p.120.
In the Ministry of Education of the R.S.F.S.R. p.122.
Musina, E. - There is no indifference. p.123.
Sheliapina, N. - Contribution of the L.N. Tolstoi's museum to children. p.124.
Seminar on the self-government of students. p.125.
Moskvina, L. - Young naturalist movement is growing. p.126.
Noteworthy dates. p.127.
Shakhmaev, N., Poltorak, D - Let's use more widely the audio-visual aids in education. Supplement.

NOUKOGUDE KOOL [SOVIET SCHOOL] Issued by Eesti Noukogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, no.8, Aug. 1964. [In Estonian]

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.43, no.6, May 1964.

Table of contents translated:
Paperna, H.O. - Let's inculcate Lenin's attitude to art in youth. p.3.
Rozenzaft, H.M. - Motion pictures and television as the means of communist education. p.10.
Atheistic education. p.17.
Doroshenko, M.I., Protsenko, I.M. - Atheistic poetry of "the bard" is our ideological weapon. p.21.
Bykova, H.H. - Individual approach in scientific and atheistic education. p.28.
Batiuk, I.H. - Let's give more attention to atheistic education in schools. p.34.
Tykhomyrova, V.O. - For the political literacy of students. p.36.
Zil'bershtein, A.I. - Let's unite education and training. p.39.
Pyrogov, I.S. - Let's train them while we educate. p.48.
Kostiuk, H.S. - Psychological bases of programmed instruction. p.54.
[illegible] German language [illegible]
[illegible]
[illegible]
Verkhovynina, M.M. - Preparing children for instruction in the first grade. p.79.
Zaiets', O.V. - Let's improve the evaluation standards for primary grades. p.82
Hil'bukh, IU Z. - Inculcating a responsible attitude toward work in teenagers. p.84.
Tarnopol's'kyi, D.M. - Production training practice of grade 5-7 students p.90.
Humeniuk, O A - Let's improve the methods of practical training in vegetable and fruit culture. p.92.
Torholo, L.P. - New form of extracurricular work with children p.96.
IAsnyts'kyi, H.I. - Valuable research on the history of culture and education in the Ukraine. p 97.
Dzeverin, O H. - Life dedicated to the education of the people. p.98.
Aesthetic training in schools; bibliography. p.99.
Ishchenko, I.S. - In the country of a fraternal nation. p.102
Shapovalenko, T.V. - Republic-wide seminar of the supervisors of leading schools. p.104.
Moroz, V. - Make way for progress. p 105.
Mats'ko, M.A. - Let's expand the inculcation of progressive pedagogical practices. p.108.
T V. - Readers' conference of elementary school teachers. p.108.
In the Ministry of Education of the Ukrainian S.S.R. p.109.

SEM'IA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol 19, no.5, May 1964.

Table of contents translated:
Loyalty to the principles of Marxism-Leninism. p.1.
Volkov, G. - Gratitude. p.3.
Ruvinskii, L. - Good feelings. p.4.
Likhachev, IUrii. - Negative role. p.5.
Riabinin, Boris. - Young couple. p.6.
Ezerskii, S. - Reputation. p.8.
Pestova, M. - My friends. p.10.
Nesterenko, V. - Struggle goes on. p.12.
Vasil'chenko, K. - "Where are you going, little girl?" p.14.
Ginzburg, Z. - Closer to the family! p.15.
Shprerogen, G. - Associates. p.17.
Beran, Karel. - I know much more. p.19.
Savchenko, Georgii. - We have a son somewhere. p.20.
For tots. p.23.
Brief news. p.24.
Pevzner, V. - In our family. p.26.
Editor's mail. p.28.
Picture gallery. p.33.
Among books. p.33.
Batsan, V. - Retarded child. p.37.
Lifshits, L. - Steel and bread. p.39.
Smirnov, L. - The heart must be in order. p.40.
Morozov, Vladimir. - Anastasiia Il'ina. p.42.
Barskii, IU. - Checkers across centuries and countries. p.44.
Mironov, M. - He wronged his sons. p.45.
Aleksandrov, B. - Treasure chest of vitamins. p.46.
Smirnov, F. - Spring of a capercaillie. p.46.
Music page. p.47.
Brief notes on various things. p.47.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.8, no.5, May 1964.

Table of contents translated:
Loyalty to the principles of Marxism-Leninism. p.2.
Korol'kov, N.V. - Expanding the specialization scope of a rural machine operator. p.5.
D'iakovich, S.V. - Agricultural chemistry study room in a school. p.7.
Zhidelev, M.A., Figanov, I.S. - Occupation and qualification descriptions for schools. p.11.
Kutishevskii, S.F. - Evaluation criteria and norms. p.16.
Karpenko, I.F., Meliakh, F.V. - Productive work and technical creativeness of students. p.18.
Makliak, N.V. - Organization of practical work during the study of a tractor. p.24.
Poliakov, A.A. - Acquainting students with mechanized tools. p.27.
Kachnev, V.I. - Teaching the students to construct. p.36.
Goncharov, D.F., Fedorov, N.V. - Lesson on the topic "Comprehensive works" in the seventh grade. p.41.
Atanov, P.A. - Organizing the excursions to industry. p.43.
Berzon, O.T. - Let's teach students to feel beauty. p.45.
Chernyshenko, I.D. - Let's use the experience of the past. p.47.
Rozdobud'ko, I.F. - Use of books in manual training classes. p.50.
Vinogradov, V.N. - Ways of improving the graphic training of students. p.53.

11 8a 9a

[illegible], V I - Method of rectangular drafting in [illegible] grade p 55

[illegible], F - Device for setting a wedge on a lathe p 60

Tair[illegible], A S - Preparing students for the choice of an occupation p 61

[illegible], P I - Model of an optimalizing control system p 64

[illegible], P V - Model of a remote control p.68.

Petro[illegible], U A - Use of stimulants in plant growing p 70

[illegible], G I - Chemistry in the struggle against weeds p 72

[illegible], I V., and others - Experiments with forage beans p.75.

[illegible], P M - Methodological work with industrial training teachers p 77.

Vasin, G - Device for bending. p 79.

Popov, G, Klepikov, V - Two physical instruments. p 80

Martem'ianov, D - Device for fretwork. p 82

Kuznetsov, A. - Lever shears. p 83

[illegible], K - Circle cutter p 86

Marushchenko, G - Objects for modelmaking. p 86

[illegible], S - Useful textbook. p.89.

Dmitriev, A, Lednev, P. - Aid for the industrial training teachers. p 90

Popov, A. - Valuable work experience p 90.

Dulenko, N - Let's inculcate a knowledge of chemistry into the masses p 91

[illegible]hirakhsazlants, L - Planning in a school brigade

Snetelev, G - School experimental work in Yemurtla School. p 93

Farafonov, A - They have created good conditions. p 94

Noteworthy dates in science and technology p 95.

SHKOLA-INTERNAT [BOARDING SCHOOL] Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol 4, no.4, July-Aug. 1964

SKOLA UN GIMENE [SCHOOL AND FAMILY] Issued by LPSR izglitibas ministrija [Ministry of Education of the Latvian S.S.R.] Riga, nos.6-7, June-July 1964 [In Latvian]

SOVET MAKTABI [SOVIET SCHOOL] Organ of Ministerstvo prosveshchenila Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.] Tashkent, no.6, June 1964 [In Uzbek]

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 22, no. 5, May, 1964

Table of contents translated,

Polozhin, P I - For the new upsurge in correspondence and evening education p.3.

Golubev, I A - Not on asphalt but on soil p.7.

Pang, A.I. - Solving the urgent problems of stockbreeding. p.11.

Platonova, N A, Khinevich, V.N. - Answering the appeal of the party. p 14.

Kornienko, V.P - Let's take the periodic law and the theory of chemical structure as a basis of the course, continuing the conference by correspondence p.16.

Course on theoretical mechanics today and tomorrow.

Shchelkachev, V N. - One of the stable fundamentals of technical education. p.20.

Lur'e, A I - "Theoretical mechanics" and present-day machinery. p 25.

Savin, G.N., and others. - Let's depart from the standard outline of the course. p.29.

What the scientists talked about. p.31.

Theory and practice of programmed education

Volodin, N.V. - In defense of the selective system in setting the answers. p.33.

Fialko, E.I. - Combined control before laboratory work p 37.

Voskresenskii, I.I - Experiment with programmed teaching aid. p.38.

Birilko, IU.I - New book on teaching machines. p 39

"Indispensable assistant in independent work"; five interviews of the "Leningrad University." p.41.

Teaching industrial safety is not a secondary task:

Zolotnitskii, N.D. - On a sound theoretical basis. p 42.

Smol'nikov, N.I. - When the matter is approached with the attitude of responsibility. p.46.

Grashchenkov, N.F., Gumeniuk, T.E., Maliarevskii, V.M. - This is how interest in the subject deepens. p.49.

Combined section of linguistics at the Council for Science and Technology began its work. p.50.

Let's increase the contribution of university scientists to science: Platonov, P.N. - Let us overcome disunity first of all p.51.

Vorob'ev, A A., Novitskii, V.M. - Scientific councils with community participation. p.55.

Inozemtsev, A.A., Terminasov, IU.S., Livshits, S.E - Interuniversity conferences. p.57.

Let's improve instruction in social sciences for correspondence and evening school students:

IUdachev, S.A. - Let's remember specificity and increase exactingness. p.62.

Interuniversity conference and its recommendations p 69.

"Fundamentals of scientific communism" as an important means for the ideological training of students. p.71.

Shirokov, A.I - A system of reports is preferable. p.71.

Alekseeva, M.P. - In the institutions of higher learning of a city. p.74.

Getmanova, A.D. - Tests on the practice in atheistic work. p 78.

Organizing a united section on scientific communism at the Council of Science and Technology p.79

Ways of the development of educational motion pictures

Kubeev, B V. - Let's produce motion pictures at a high level of science and methodology. p.80.

Nikolaevskii, G.K., Taukach, G.L. - Introducing motion pictures into the educational process at general technical institutions of higher learning. p.82.

Morozov, P I. - Practical exercises in a plant. p 84.

Fedorovich, M M. - Course "Methods and models of mathematical economics" is needed p.85.

Gachechiladze, G.R. - Training of translators at a university. p.86.

Follow-up on unpublished letters. p 87.

Pogrebinskii, A.P., and others. - Textbook on the history of the national economy of the U.S.S.R. p.88.

Isaenko, N.F., Gelkhman, V L., Kovalev, V.A. - Brief notes on books. p.94.

ZHYTTIA I SHKOLA [LIFE AND SCHOOL], New Haven, vol 10, no.5/6(85-86), May-June 1964.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, no.6, 1964.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Soiuz sportyvnykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S.S.R.]. Kiev, no.6, June 1964. [In Ukrainian]

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of TSentral'nyi Sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U.S.S.R.]. Moscow, no. 7(703), July 1964.

SAHS [CHESS]. Issued by Latvijas PSR Sporta biedribu un organizaciju savieniba and Saha federacija [Union of Sports Associations and Organizations and the Chess *Federation of the Latvian S.S.R.*]. *Riga*, nos.9(119)-11(121), May-June 1964. [In Latvian]

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN] Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol.10, no.7, July 1964.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, no.10(106), May 1964.

SPORT V SSSR [SPORTS IN THE U.S.S.R.], Issued by the Periodical "Sovetskii Soiuz" ["Soviet Union"]. Moscow, nos.5(15)-6(16), 1964.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council *of the* Association of Sports Societies and Organizations]. Moscow, vol.8, no.7, 1964.

SPORTIVNYE IGRY [*ATHLETIC GAMES*]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol 10, no.6(109), June 1964.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 27, no 6, June 1964

Table of contents translated:

Kukushkin, G.I. - Physical education and training and the all-round development of personality ([illegible] concluded). p.1.

Chikin, S.IA. - Harmonious development of children as the guaranty of health and fruitful activity of the future builders of communism. p.9.

Tret'iakov, N.D., Chernlaev, G.I. - Physical training level for swimmers. p.15.

Kitaev, V.F. - Training of the higher class [illegible] p.16.

Volkov, N.I., Zatsiorskii, V.M. - Some problems of the theory of training load. p.20.

Motylianskaia, R.E. - Evaluation principles of the effect of stresses in the work of young athletes. p.25.

Shaposhnikova, V.I., and others. - Rational use of exercise during the training of adolescents in sports techniques. p.30.

Markosian, A.A., Korol', V.M. - Criteria for the functional potentials of the organism in children and adolescents during muscular activity. p.3[illegible].

Luk'ianova, R.P., Novoselova, N.I. - Physical training and physical preparedness of young track athletes, soccer and basketball players. p.3[illegible].

Vasil'eva, V.V., Kitaev, V.F., [illegible] - Study of the cardiovascular system of [illegible]. p.42.

Nemirovich-Danchenko, O.R. - Effect of various [illegible] on the reactivity of the organism in young athletes. p.45.

Kurachenkov, A.I., and others. - Effect of training in rowing on the posture of adolescents. p.[illegible]

Skvortsov, B.L., Sermeev, B.V. - Comparative mobility of the joints in young swimmers. p.5[illegible].

Chkhaidze, L.V. - Periodic (running) [illegible] information in the training of cyclists. p.5[illegible].

Karu, T.E. - Correlational analysis of [illegible] indices in young athletes during work loads. p.[illegible]

Nersesian, L.S. - Effect of warming-up on the [illegible] of visual perception in volleyball players. p.6[illegible].

Sizov, D.I. - Work on physical education and training at the suburban bases and sport structures of [illegible] Russia. p.64.

Kriukov, D.S. - Beacon lights of the physical education and training movement. p.67.

Pyzhov, V.V. - Organization and teaching methods of mass instruction in swimming in a Pioneers' camp. p.70.

Starikov, V.A. - From a dictionary to an encyclopedia. p.74.

Sizyi, E. - In the physical education and training organizations. p.77.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol. 34, no. 6, 1964.

Table of contents translated:

Serving a great cause. p.1.

"So that films would be overwhelming!" p.4.

Anikst, A. - Grigorii Kozintsev's "Hamlet." p.5.

Muratov, L. - Festoons of the screen. p.16.

Froilikh, S. - The old and the new Eisenstein. p.21.

Vaisfel'd, I. - Real alarms. p.30.

Lebedev, N. - The film and the audience. p.4[illegible]

Gabrilovich, Evg. - Stories about the past. p.5[illegible].

Chirkov, Boris. - On the stage and before the motion-picture camera. p.61.

Teterin, E. - Encounters of various years. p.6[illegible].

Ivanova, V. - Right to experiment. p.71.

Diary of the editorial office. p.76.

Shkol'nikov, Semen. - There, where Hemingway lived. p.77.

Nedelin, V. - Paradoxes of Stanley Kramer, or ten years later. p.83.

Motion-picture schedule. p.98.

Grigor'ev, E. - Our home; a screenplay. p.10[illegible].

SOVETSKII EKRAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, nos.12(100)-13(101), June-July 1964.

b. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE] Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.7, nos.12,14, June-July 1964.

c. THEATER

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol.13, nos.11-13, June-July 1964.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol 8, nos.4(79)-5(80), Apr -May 1964

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER] Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others Moscow, nos.13,15, July-Aug. 1964.

10. FINE ARTS

a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.] Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, vol.8, nos.6(79)-7(80), June-July 1964.

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol.6, no.6, 1964.

LVOV. UKRAINS'KYI DERZHAVNYI MUZEI ETNOGRAFII TA KHUDOZHN'OHO PROMYSLU. Materialy z etnografii ta mystetstvoznavstva [UKRAINIAN STATE MUSEUM OF ETHNOGRAPHY AND THE ART INDUSTRIES. Materials on Ethnography and Art]. Kiev, no.6, 1961.

Table of contents translated:
Sukha, L.M. - The Klara TSetkin Artel in Reshetilovka, Poltava Province. p.3.
Nedashkivs'ka, G.F. - The Golovets'k Village in the Skole District of Lvov Province; ethnographic notes of 1958. p.18.
Mateiko, K.I. - Folk pottery of the Lvov Province. p.35.
Dolins'kyi, L.V. - Faience of the western areas of the Ukraine; pre-Soviet period. p.45.
Budzan, A.F. - History of the artistic woodcarving in the Ukraine; from the fifth century B.C. to the 12th century A.D. p.58.
TSybenko, P.A. - Material on religious folk drama in the collections of the Ukrainian State Museum of Ethnography and Art Industries of the Academy of Sciences of the Ukrainian S.S.R. p.67.
Harasymchuk, R.P. - Hucul variants of the Russian, Czech and Rumanian dances. p.76.
TSaryk, Z.M. - Engravings of the Lvov Soviet artists, 1939-1959. p.105.
Zholtovs'kyi, P.M. - Kiev miniatures of 1397. p.125.
Batig, M.I. - Galician paintings from the 14th to the 16th century in the collections of the State Museum of Ukrainian Art in Lvov. p.144.

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.] Moscow, vol.24, no.7, July 1964.

TVORCHESTVO [CREATIVE WORK]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, nos 6(90)-7(91), 1964.

b. ARCHITECTURE

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: STATYBA IR ARCHITEKTURA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR: Stroitel'stvo i arkhitektura [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: CONSTRUCTION AND ARCHITECTURE]. Vilnius, vol.3, no.3, 1963.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet po delam stroitel'stva Ukrainskoi SSR and Soiuz arkhitektorov Ukrainy [State Committee for Construction in the Ukrainian S.S.R and the Association of Architects of the Ukraine]. Kiev, vol 12, no.5, May 1964

Table of contents translated:
For well-organized,green, and beautiful cities. p.1.
Severin, S. - Landscape plantings in residential areas. p.3.
Salatich, A., Larkina, A. - Landscaped areas of children's institutions. p.6.
Sviderskii, A., Nechvai, A., Perchenkov, A. - Equipment for children's play areas. p.10.
Plekhov, N., and others. - Building experimental apartment houses with prefabricated room units. p.12.
Maidanov, V. - Calculating continuous construction of a residential area. p.19.
Shevchuk, IU. - Using tower cranes in methods of continuous operation. p.22.
Popov, V., Skliarova, E. - Translucent panels of glass reinforced plastics. p.24.
Selastel'nikov, A. - Living area in corridor-type apartment houses. p.26.
Ponomarenko, I. - Improving the financing of building organizations. p.27.
Taranov, A. - Grievances of builders against designers. p.29.
Shmul'skii, M. - Against misrepresentation of economic indexes. p.30.
Kozlov, V. - For joint calculation of vertical and horizontal deformations. p.33.
Pos'kin, V. - Floor boards made of wood and fibers. p.35.
Ivashchenko, A. - Xyloizol, a new heater. p.36.
Barishpol'skii, B. - Gauge for calculating substitute material of reinforcement rods in reinforced concrete structures. p.36.
Nuzhnyi, V. - Radio and television for builders. p.37.
Aseev, IU. - Great Italian architect. p.39.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashchikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol.26, no.4, Apr. 1964.

Table of contents translated:
To the immortal memory of our great leader. p.2.
Gur'ev, O.I. - Nine-story apartment house of large panels. p.4.
Nazar'in, N.M. - Architectural and layout features. p.8.
Susov, V.S., Fedortsov, B.D. - Elements of buildings. p.10.
Vlasovskii, V.A., Markus, D.M. - For producing bisuperphosphate. p.11.
Bobchenok, P.K. - Maximum effect with minimum expense. Remove red tape from construction of nonresidential areas. p.13.
Kalinin, O.V., Riskii, A.I. - Apartment house is built with the resources of a cooperative. p.15.
Kniazov, A.I. - For housing and building cooperatives. Standard designs for apartment houses. p.19.
Piliavskii, V.I. - New book about a great architect. p.22.
Afonchenko, A.A., Sveshnikov, V.K. - Right bank of the Neva. Plans for the reconstruction of the embankment. p.23.
Luchinkin, R.N. - Machine production of mesh-reinforced concrete shells. p.29.
Kreichman, A.V., Nekrich, E.I. - No, three-dimensional forming is more economical! Answer to the article "What method is more efficient?" p.31.
Verizhnikov, O.S. - Shopping center in a microdistrict. p.33.
In the Executive Committee of the Leningrad Soviet. p.3 of cover.
In the Leningrad section of the Union of Soviet Architects. p.3 of cover.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

CHERNOVTSY. UNIVERSYTET. Uchenye zapiski [UNIVERSITY. Studies]. Vol.28, 1961. Seriia filologicheskikh nauk [Series in the Philological Sciences], no.16. Lev Tolstoi; iubileinyi sbornik (1910-1960) [jubilee collection, 1910-1960].

Table of contents translated:
In lieu of a preface: To the great Tolstoi we present a simple Bukovina wreath. p.3.
Pulinets, A.S. - Lev Tolstoi, wrathful critic of militarism and imperialist wars. p.6.
Bykova, O.E. - L.N.Tolstoi and A.N.Ostrovskii. p.19.
Zvereva, L.I. - Tolstoi traditions in Soviet literature, "Childhood" by L.Tolstoi and "Nikita's childhood" by A.Tolstoi. p.34.
Nikolaev, N.V. - M.Gor'kii writes about Tolstoi; on his memoir sketch "Lev Tolstoi." p.49.
Nazarok, M.A. - What the newspaper "Pravda" had to say about L.N.Tolstoi during the Great Patriotic War. p.60.
Kolesnik, IU.A. - Idealistic campaign for L.N. Tolstoi in Bukovina, 1895-1917. p.66.
Orekhov, D.I. - Ivan Franko and Lev Tolstoi; on some general characteristics and comparisons of the works of L.N.Tolstoi and I.IA.Franko. p.78.
Zverev, A.D. - Style of L.N.Tolstoi's story "After the ball." p.88.
Arvat, N.N. - Syntactic structure of dialogue in L.N. Tolstoi's drama "The living corpse." p.101.
Bober, E.IA. - From studies on the language and style of L.N.Tolstoi's novel "Resurrection." p.119.
Skiba, IU.G. - From studies on the language of L.N. Tolstoi's tale "Worker Emel'ian." p.135.
Loseva, L.M. - Lexical means of words which link phrases in selected stories by L.N.Tolstoi. p.145.
Nikolaeva, Z.V. - Lev Tolstoi and Nekrasov. p.160.
Karpenko, I.A. - Ukrainian translation of L.N.Tolstoi's novel "Resurrection" in Bukovina. p.175.
Karpenko, M.V. - Length of sentences in L.N.Tolstoi's novel "War and peace." p.185.
Sadovnik, Sh.P. - The Rumanian critics C.Dobrogeanu-Gherea and G.Ibraileanu on the works of L.N.Tolstoi. p.189.
Krytsevyi, A.T. - L.Tolstoi and W.Shakespeare. p.196.
Krytsevyi, A.T. - Publication of L.Tolstoi's work "Love" in Chernovtsy. p.217.

Vol.43, 1961. Seriia filologicheskikh nauk [Series in the Philological Sciences], no.12. N.V.Gogol' (k 150-letiiu so dnia rozhdeniia [N.V.Gogol'; on the 150th anniversary of his birth].

Table of contents translated:
Pulinets, A.S. - N.V. Gogol' and our times. p.1.
Karabanov, R.A. - On the role of fantasy in the composition of works by N.V.Gogol'. p.25.
Firsanova, V.G. - Staging of the work "Sorochinsk fair" by N.V. Gogol'. p.43.
Bykova, O.E. - Gogol' traditions in the dramaturgy of A.V.Sukhovo-Kobylin. p.59.
Skiba, IU.G. - Spoken approach of the comical in the "Tale of how Ivan Ivanovich quarreled with Ivan Nikiforovich" by N.V.Gogol'. p.80.
Loseva, L.M. - Functions of connecting constructions in the "Petersburg tales" by N.V.Gogol'. p.89.
Arvat, N.N., Arvat, F.S. - Translation into Ukrainian of "Dead souls" by N.V. Gogol'. p.94.
Zverev, A.D. - Translation into Ukrainian of "The overcoat" by N.V.Gogol'. p.107.
Bober, E.IA. - Two translations into Ukrainian of "May night, or the drowned women" by N.V.Gogol'. p.120.
Kuznetsov, V.I. - Ivan Franko, the first translator of "Dead souls" by Gogol' into Ukrainian. p.130.
Volkoka, L.P. - Some characteristics of betrothed noblemen in the comedy "Marriage" by N.V.Gogol'. p.149.
Nikolaeva, Z.V. - Language and style of lyrical digressions in "Dead souls" by N.V.Gogol'. p.167.
Bolitskii, V.M. - World-wide significance of Gogol'. p.181.
Chernets, L. - N.V.Gogol' and Bukovina. p.188.
Sadovnik, Sh.P. - Gogol' traditions in the comedy "Lost letter" by I.L.Caragiale. p.196.
Ponomarev, A.M. - N.V.Gogol' as historian. p.208.
Karpenko, A.I. - Folk characteristics in the artistic composition of characters in "Taras Bul'ba" by N.V.Gogol'. p.234.

Vol.56, no.17, 1962. Seriia filologicheskikh nauk [Series in the Philological Sciences], no.17. Voprosy novoi russkoi literatury [Problems of modern Russian literature], vol.2.

Table of contents translated:
Nazarok, M.A. - Works of Soviet writers on the pages of "Pravda" during the Great Patriotic War; reflection in these works of the guiding and organizing roles of the Communist Party during the Patriotic War. p.3.
Pulinets, A.S. - System of images and characters in "Life of Klim Samgin" by M.Gor'kii. p.14.
Nikolaev, N.V. - Activities of Gor'kii as memoirist in 1914-1917. p.18.
Martynets, T.D. - Self-appraisal by A.M.Gor'kii in his letters, 1889-1904. p.25.
Nazarok, M.A. - Works by D. Bednyi on the pages of "Pravda" during the Great Patriotic War. p.38.
Volkov, A.R. - Literary principles of V.Maiakovskii's dramaturgy. p.49.
Zvereva, L.I. - Some principles of A.N.Tolstoi's creative method. p.62.
Likhoshvai, P.D. - Some stylistic characteristics of V.IA.Shishkov's novel "Emel'ian Pugachev." p.72.
Chernushchenko, M.I. - Images of partisans in V.Kotlinskaia's work "In siege." p.87.

Ilort, O.M. - Development of the principles of national character in Russian literature. p.96.
Karaiannov, P.A. - On one of the principles of the realist method. p.105.
Lykova, O.F. - Polemic play by A.N.Ostrovskii; "The w[illegible] by Ostrovskii and "Thirty years or the life of a gambler" by Ducange and Dinot. p.118.
Ftenarova, L.G. - Staging of Gogol' tales in the Ukraine, "Night before Christmas" by M.P. Staryts'kyi. p.170.
Volkova, I.P. - Idea, theme, and composition of the plot in the comedy "Marriage" by N.V.Gogol'. p.144.
Lykova, O.F. - "Who waited?" by N.IA.Solov'ev, first version of the play "Marriage of Belugin" by A.N.Ostrovskii and N.IA.Solov'ev. p.155.
Pacrova, I.I. - Soviet folklore in Russian villages in [illegible]. p.166.
Kolesnik, IU.A. - The German press in Bukovian at the beginning of the 20th century on the works of A.M.Gor'kii. p.176.
Kolesnik, IU.A. - German and Polish newspapers in Bukovina during the early 1900's on the works of L.N. Tolstoi. p.183.

INOSTRANNYE IAZYKI V SHKOLE [FOREIGN LANGUAGES IN SCHOOLS] Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, nos 3-4, May-Aug. 1964

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI KALBOTYRA. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR. IAzykoznanie [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R. LINGUISTICS] Vilnius, vols 7, 9, 1964

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNANIIU [NEW FOREIGN LITERATURE ON LINGUISTICS] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, nos 4-5, 1964.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNANIIU [NEW SOVIET LITERATURE ON LINGUISTICS] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no.4, 1964.

PREPODAVANIE AZERBAIDZHANSKOGO IAZYKA I LITERATURY, metodicheskii sbornik [TEACHING THE AZERBAIJANI LANGUAGE AND LITERATURE, Methodology] Supplement to the Magazine "Azerbaidzhan Mektebi " Baku, no.2, 1964. [In Azerbaijani]

RUSSKII IAZYK V NATSIONAL'NOI SHKOLE [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS] Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.], Moscow, no.4, 1964.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS] Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.], Kiev, vol 14, no 7, July 1964.

VOPROSY SLAVIANSKOGO IAZYKOZNANIIA [PROBLEMS IN SLAVIC LINGUISTICS], Issued by Institut slavianovedeniia Akademii nauk SSSR [Institut of Slavic Studies of the *Academy* of Sciences of the U.S.S.R.], Moscow, *no.7, 1963.*

Table of contents translated:
Otrebski, Jan. - *Dainava* is a name of one the Yatvyag tribes. p.3.
Maresh, V.F. - Origin *of the Slavic* nasal vowel ǫ̈ (Jǫ). p.7.
Vašica, J. - *Legal* documents of Cyrillus and Methodius. p.12.
Blagova, E. - *Meaning* and usage of the pronoun *jb in Old Church Slavic. p.34.
Isachenko, A.V. - *Irish mission* at the Pannonian and Moravian Slavs. *p.43.*
Zhukovskaia, L.P. - Size of the first Slavic book translated from the Greek by Cyrillus and Methodius. p.73.
Shur, S.M. - History of Slavic nouns with the suffix "-*tj", *p.82.*
TSeitlin, R.M. - *M.V.*Lomonosov was the initiator and organizer of linguistic research at the Petersburg Academy of Sciences. *p.103.*
Bunina, I.K. - History of the Dermendere dialect. p.119.
Moshaeva, I.E., Khodova, K.I. - Bibliography of *literature on the* Old Church Slavic language published in the U.S.S.R. from 1945 to 1961. p.148.

6 *LITERATURE & FOLKLORE*

ALA-TOO, literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [ALA-TAU, Literary and Socio-political Magazine] Organ of Soiuz pisatelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S.S.R.] Frunze, vol.33, no.6, June 1964 [In Kirghiz]

BAIKAL Organ of Soiuz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.] Ulan-Ude, vol.10, no.3, May-June 1964.

DAL'NII VOSTOK [FAR EAST]. Organ of Khabarovskoe otdelenie Soiuza pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R.S.F.S.R.] Khabarovsk, vol.32, no.3, May-June 1964.

DILA [MORNING] Issued by TSentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii iunykh pionerov im. V I Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers] Tiflis, no 7, July 1964. [In Georgian]

DNIPRO [DNIEPER]. Organ of TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine] Kiev, vol 38, nos.6-8, June-Aug. 1964.

DON Organ of Rostovskoe oblastnoe otdelenie Soiuza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R.S.F.S.R.]. Rostov-*on-Don, vol 8, no.7, July 1964.*

DROSHA [THE BANNER], Published by the Publishing House of the Central Committee of the Communist *Party of Georgia* Tiflis, nos.5(154)-7(156), May-July 1964 *[In Georgian]*

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soiuz pisatelei SSSR [Association of Writers *of the U.S S.R.]. Moscow, nos.6-8, 1964.*

GRANI [FRONTIERS]. Published by "Posev " Frankfurt/Main, vol.18, no 55, June 1964.

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE] Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos.6-7, June-July 1964.

IUNOST' [YOUTH]. Organ of Soiuz pisatelei SSSR [Association *of* writers *of the U.S.S.R.*]. *Moscow,* vol.10, nos 6-7, June-July 1964.

KAROGS [THE BANNER] Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, no.8, Aug. 1964. [In Latvian]

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN; bibliograficheskii biulleten' [*LITERATURE AND ART OF THE PEOPLES OF THE* U.S.S.R. AND FOREIGN COUNTRIES, *Bibliographical* Bulletin]. Issued by Vsesoiuznaia knizhnaia palata and Vsesoiuznaia gosudarstvennaia *biblioteka inostrannoi* literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no.4, 1964.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, vol.6, no.6, June 1964.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of *Writers of Georgia*]. *Tiflis,* vol.8, no.7, July 1964.

LITERATURNYI KIRGIZSTAN [LITERARY KIRGHIZISTAN]. Organ of Soiuz pisatelei Kirgizii [Association of Writers of Kirghizia]. *Frunze, vol.10, no.2(54),* Apr.-June 1964.

LOOMING [*CREATIVE WORK*]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. *Tallinn, no.7, July 1964.* [In Estonian]

MOKSHA, literaturno-khudozhestvennyi [illegible] politicheskii zhurnal [MOKSHA, Literary [illegible] political Almanac] Saransk, no.3, Ma[illegible] [In Mordvinian]

MOSKVA [MOSCOW] Organ of Soiuz pis[illegible] and Moskovskoe otdelenie Soiuza pisatelei [illegible] tion of Writers of the R.S.F.S.R. and [illegible] Branch of the Association of Writers] [illegible] vol.8, nos.2, 5-6, 1964.

NA RUBEZHE [AT THE FRONTIER] [illegible] pisatelei Karel'skoi ASSR [Association of [illegible] the Karelian A S.S.R.]. Petrozavodsk, [illegible] May-June 1964.

NASH SOVREMENNIK [OUR CONTEMPORARY] [illegible] of Soiuz pisatelei RSFSR [Association of [illegible] the R.S.F.S.R.]. Moscow, no.6, June 19[illegible]

NEMAN [NEMAN RIVER]. Organ of Soiuz pi[illegible] [Association of Writers of the White Russ[illegible] Minsk, vol.13, no.4, July-Aug. 1964.

NEVA. Organ of Soiuz pisatelei RSFSR and [illegible] skoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad [illegible] of the Association of Writers]. Leningrad, [illegible]

NISTRUL [DNIESTER RIVER]. Organ of the Ass[illegible] of Soviet Writers of the Moldavian S.S.R. [illegible] vol.33, nos.6-7, 1964. [In Moldavian]

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE] Issued by [illegible] tal'naia biblioteka obshchestvennykh nauk [illegible] nauk SSSR [Fundamental Library of [illegible] of the Academy of Sciences of the U.S.S.R.] [illegible] nos.4-5, 1964.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by [illegible] naia biblioteka obshchestvennykh nauk Akademii [illegible] SSSR [Fundamental Library of Social Sciences [illegible] Academy of Sciences of the U.S.S.R.] [illegible] nos.4-5, 1964.

NOVYI MIR [THE NEW WORLD]. Organ of Soiuza pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol.39, no.10, [illegible] 1964

Table of contents translated
Troepol'skii, - In the rushes; from a [illegible] book. p.3.
Aliger, Margarita. - Two poems. p.81.
Paustovskii, Konstantin. - Book of wanderings [illegible] p.83.
Volynskii, Leonid. - Transcaucasian [illegible] notes (conclusion). p.110.
Kuliev, Kaisyn. - From a new book of verse. Translated from the Balkar by N.Grebnev. p.13[illegible]
Shmelev, I. - Russian song; story. p.1[illegible]
Osipov, I. - Rescuers. p.155.
Rovin, A. - Truth against dogma. p.174.
Khanpira, Er. - Dictionary of Lenin's language. [illegible]
A.Solzhenitsyn's story "For the good of the cause" p.193.
Todorskii, A. - My opinion. p.199.
Naumova, A. - Letters of Larisa Reisner. p.2[illegible]
Arutiunov, L. - Sayat-Nova; on the 250th anniversary of his birth. p.228.
Survillo, V. - In one word. p.237.
Abramov, A. - Businesslike, honestly, [illegible] p.252.
Roshchin, M. - Overcoming banality. p.254.
IArentsev, D. - Lessons of the "pocket school". p.257.
Boiko, M. - New book on Dostoevskii. p.25[illegible]
Zlobina, M. - Steinbeck's heroes. p.262.
Politics and science:
  Ermashev, I. - Dreamers of our era. p.2[illegible]
  Rubinskii, IU. - Fate of French democracy. p.2[illegible]
  Azernikov, V. - Emotions and facts. p.2[illegible]
  IAkhontov, IU. - Irrefutable figures. p.2[illegible]
Brief book reviews. p.277.
New books. p.283.
"Novyi mir" in 1964; from the editors. p.2[illegible]

PERGALE [THE VICTORY]. Organ of Lietuvos TSR rasytoju sajunga [Association of Writers of the Lithuanian S.S.R.]. Vilnius, no.8, 1964. [In Lithuanian]

POD'EM [UPSWING], Issued by Voronezhskoe otdelenie Soiuza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no.3, May-June 1964.

POLYMIA [FLAME]. Organ of Saluz pis'mennikau BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol.42, no.6, June 1964.

PRAPOR, literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine] Kharkov, no.6, 1964.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soiuz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol.31, nos.6-7, June-July 1964

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S.S.R Petrozavodsk, vol.21, no.3, 1964. [In Finnish]

RADUGA [THE RAINBOW]. Organ of Pravlenie Soiuza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol.14, nos.6-7, June-July 1964.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol.32, nos.6-7, 1964. [In Uzbek]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soiuz pisatelei RSFSR and Novosibirskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol.43, nos.6-7, June-July 1964.

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz pisatelei Tatarii [Association of Writers of Tataria]. Kazan, vol.43, nos.6-7, June-July 1964. [In Tatar]

SOVET EDEBIIATY [SOVIET LITERATURE] Organ of Soiuz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no.6, June 1964. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia Erivan, no 6, 1964 [In Armenian]

SUCHASNIST'; literatura, mystetstvo, suspil'ne zhyttia [OUR TIME; Literature, Art, and Social Problems]. Munich, vol.4, nos.7(43)-8(44), July-Aug. 1964.

SURAN' TOLT; literaturno-khudozhestvennoi dy obshchestvenno-politicheskoi zhurnal [SURA LIGHTS; Literary and Sociopolitical Magazine]. Issued by Mordovskoi ASSR-n' pisateten' soiuzos' [Association of Writers of the Mordovian A.S.S.R.]. Saransk, no.9(49), May-June 1964. [In Mordovian]

URAL. Issued by Sverdlovskoe otdelenie Soiuza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R.S.F.S.R.] Sverdlovsk, vol.7, no 7, July 1964

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Kiev, vol.32, nos.6-7, June-July 1964.

VOZROZHDENIE [RENAISSANCE]. Paris, nos.151-152, July-Aug. 1964.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Lvov, vol.25, nos.6-7, June-July 1964.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, nos.6-7, June-July 1964. [In Kazakh]

ZNAMIA [THE BANNER]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol.34, no.6, June 1964.

Table of contents translated:
Kataev, Valentin. - Small iron door in the wall. p.3.
Shchipachev, Stepan. - Sight; verse. p.91.
Stuckis, Mykolas. - Stairway to the sky; a novel (to be continued). p.94.
Lukonin, Mikhail. - Torture of breaking up; verse. p.138.
Shtein, Aleksandr. - A tale on how plots originate (to be continued). p.146.
Shengelaia, Aleko. - In Svanetia; verse. p.188.
Moravia, Alberto. - Recommendation; a short story. p.190.
Rakhmanin, Boris. - Svetlichnyi's method. p.195.
Shurtakov, Semen. - Where the Pechora flows (conclusion). p.206.
Shcherbina, V. - Two conceptions of time. p.221.
Lagina, N. - Our times are on the starting line. p.234.
Bogdanova, Z. - "Heavy seine with a fresh word...." p.238.
Dymshits, Al. - Poetry of persuasion and dreams. p.240.
Liubareva, E. - Courage, heroism, humanity. p.242.
Makarov, A. - Experienced. p.244.
IUr'ev, Mikh. - No to decadence. p.245.
Grinberg, I. - Not admitting loneliness.... p.246.
Levin, F. - At the beginning of the road. p.247.
Glezer, A. - Road of a soldier is creativity. p.248.
Kutorga, Z. - Kindness and sentiments. p.248.
Anninskii, L. - In the morning of May 27, 1942. p.250.
In a few lines. p.251.
To be published soon. p.255.

Vol.34, no.7, July 1964.
Table of contents translated:
Sluckis, Mykolas. - Stairway to the sky; a novel (conclusion). p.3.
Pavlinov, V. - Morning in Kazakhstan; verse. p.54.
Zverev, Il'ia. - He and she; from a family chronicle. p.56.
Bashev, V., and others. - Verse of Bulgarian poets. p.104.
Beliaev, A. - Captain Usachev; a story. p.112.
Laforet, Jean-Richard. - Sun of our love; verse. p.132.
Shtein, Aleksandr. - A tale on how plots originate (to be continued). p.134.
Felan, R. - Farewell, opossums! (a short story). p.170.
Gribachev, N. - Flight to Usukh. p.178.
Livanova, Anna. - Physicists talk about physicists. p.196.
Knipovich, E. - Deed and immortality. From the history of Soviet literature. p.221.
Starikova, E. - Illustrations for good wishes. p.236.
Makiev, Val. - Man in the struggle for bread. p.241.
Sidorov, E. - Profound personal participation. p.243.
Pokusaev, E. - Sapid and interesting. p.244.
Zolotusskii, Igor'. - Uneasy wind. p.245.
Kuz'mina, E. - August is my time. p.246.
Shishov, Viktor. - Good claim. p.247.
L'vov, Sergei. - Behind the facade. p.248.
Nemirovskaia, O. - In an Adyge village. p.249.
In a few lines. p.250.
To be published soon. p.255.

Vol.34, no.8, Aug. 1964.
Table of contents translated:
Komissarov, Vladimir. - Sharp stones of the roads; a novel (to be continued). p.3.
Bazhan, Mykola. - Flight through a storm; a poem. Translated from the Ukrainian by Evgenii Dolmatovskii. p.64.
Shtein, Aleksandr. - A tale on how plots originate (conclusion). p.68.
Seifullin, Saken. - On a hill; verse. p.121.
Babel', I. - Forgotten stories; From letters to friends. p.122.
Munblit, G. - Isaak Emanuilovich Babel'. p.166.
Udval, S. - Captain's violin; a short story. p.175.
Ganina, M. - A lake which has many names. p.179.
Surkov, E. - Chinese dissenters and the art of socialist realism. p.212.
Knipovich, E. - Deed and immortality. From the history of Soviet literature (conclusion). p.231.
Drobyshev, Vl. - South America as seen by a Soviet citizen. p.244.
IU'ev, Mikh. - The stars got bigger. p.247.
Avksent'evskaia, E. - Vladimir Il'ich in Shushenskoye. p.249.
Zhislina, S. - "Chain reaction of creativity." p.250.
Savel'ev, S. - "He spoke with an epoch and with a country... " p.251.
Shishov, Viktor. - Strengthening of skills. p.251.
Lagina, N. - ...This is a drawing by a boy... p.252.
Lokshin, V. - Truthful tale of the war. p.253.
Grudtsova, O. - Book about a poet. p.254.
To be published soon. p.255.

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Leningrad, no.9, Sep. 1962.

Table of contents translated:
Elenin, Mark. - Three steps in the desert; a tale. p.3.
Braun, Nikolai. - The earth does not forgive us...; [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Pikul', Valentin. - Paris for three hours; a short novel. p.94.
Solaris; a science-fiction tale (to be continued). Stanislaw Lem. Translated from the Polish by Dm. Bruskin. p.139.
Rakovskii, Leontii. - Borodino. p.159.
Gutkina, I. - Echo of a great triumph. p.164.
Petrova, M. - Kitchen garden without soil. p.170.
Bel'tiukov, G. - Meteorite reveals its secrets. p.171.
Belov, S. - A life devoted to books. p.172.
Leskova, A. - Guard from a test tube. p.174.
Karyshev, O. - Broken branch. p.176.
Saturday night for Simmons; Binkley Practical School of Journalism, stories. O. Henry. Translated from the English by N. Vnukov. p.177.
TSimbal, S. - Time is an ally of the living. p.185.
Vasil'eva, I. - Time to hear; on the works of Nikolai Braun. p.196.
IAkobson, L. - On something new. p.201.
Moldavskii, Dm. - Creative quest. p.202.
Shmyrova, T. - Choreographic placard. p.203.
Goideko, V. - By a bright light; on V. Tendriakov's tale "Short circuit." p.205.
Chernov, V. - Culture of a language; on K. Chukovskii's book "Alive as life." p.207.
Gusarov, V. - Success or failure? (on the novel "Quietude" by IUrii Bondarev). p.209.
Levitin, Mikh. - Without a conductor; a story. p.212.
Khatskel', Boris. - "Finishing" work; Shakespeare performance did not take place; verse. p.216.
Vysokovskii, Zinovii. - I'm such a man that I loved my relatives; a feuilleton. p.217.
From American humor. Translated from the English by I. Grigor'eva, and I. Shapiro. p.218.
Bershadskii, Rud. - "Untimely grave of the dead." p.219.
Dusia, Aunt. - From the editor's wastebasket. p.220.
Mournful notes. p.221.

No.10, Oct. 1962.
Table of contents translated:
Grin, El'mar. - In Ivan's country; part one of a novel (to be continued). p.3.
Prokof'ev, Aleksandr. - From the book "Verse from the road." p.94.
Skul'skii, Grigorii. - Stories. p.101.
Trainin, Isaak. - On rivers; verse. p.114.
Folomin, Fedor. - Native language; Little stream, verse. p.117.
Solaris; a science-fiction tale (conclusion). Stanislaw Lem. Translated from the Polish by Dm. Bruskin. p.118.
My hut; to my servant Aduan, a little boy from the Liao tribe; verse. Tu Fu. Translated from the Chinese by Aleksandr Gitovich. p.158.
Verkhovskaia, N. - We are going toward the Volga. p.160.
Konichev, Konst. - On the shores of the Gulf of Guinea. p.169.
Linko, S. - Magic seaweed. p.173.
Vsevolodov, K. - And man also creates minerals. p.174.
Efimov, R. - For those who travel constantly. p.175.
Kunitsyn, E. - In the "Leather Flask Inn." p.176.
Panich, M. - More about adults and children. p.177.
Bazhin, N. - Problems of the greatly invisible. p.185.
Filatova, A. - Mirza Fatali Akhundov; on the 150th anniversary of his birth. p.190.
Charnyi, M. - On freedom of love and freedom from the serious in love. p.193.
Tregub, S. - It's difficult to be a poet. p.200.
Kustov, P. - Anatolii Kudreiko's book of verse "Crossing of paths." p.211.
Vechtomova, E. - Il'ia FonIakov's book of verse "Comrade people." p.211.
Kutov, Nik. - On the collection of verse "First fusion." p.212.
Khrenkov, D. - E. Polianskii's book of verse "Worker's pass." p.212.
Vagner, Nik. - I. Vinogradov's book "Road through the front. p.212.
[illegible], P. - [illegible] tale "S[illegible]." p.213.
[illegible] - On the collection of articles "The great [illegible]" by A. Dymshits. p.214.
[illegible] - [illegible] book "Poetics of [illegible]." p.214.
[illegible], L. - [illegible] biographical sketch of A[illegible]. p.215.
[illegible] p.216.
[illegible], M. - [illegible]; a story. p.217.
[illegible] - [illegible] a fable. p.219.
Gol'd, Georgii. - The crow and the movies; a fable. p.220.
Vysokovskii, Zinovii. - Quite the opposite on Sunday; a brief scene. p.220.
Shakhnovich, G. - The other side; Monument; verse and a fable. p.221.
From foreign humor. Translated from the English by K. Evgen'ev and from the German by Gizela Linkevich. p.222.

No. 11, Nov. 1962.

Table of contents translated

Panova, Vera. - Leaflet with Lenin's signature, a story. p. 3.

Pagrev, Gleb, and others. - Verse. p. 5.

Grin, El'mar. - In Ivan's country, a novel (to be continued). p. 10.

[illegible], Lidiia. - Beautiful countries, travel diary. p. 10[illegible].

Verse. Eugene Pottier. Translated from the French by Valentin Dmitriev. p. 132.

Djakarta, oh Djakarta! (a poem). Agam Vispi. Translated from the Indonesian by Sergei Severtsev. p. 134.

[illegible], Irina. - Talent, a journalistic tale. p. 139.

[illegible], D. - "Burning lights".... p. 153.

Ar[illegible], V. - Writer, editor, friend, about Mikhail Kol'tsov. p. 161.

[illegible], Valentina. - Rendezvous with Cuba. p. 16[illegible].

Fed[illegible], N. - Story of a find. p. 175.

[illegible], E. - Memory obliges. p. 176.

[illegible], I. - In the editorial office of "The Daily Worker." p. 177.

[illegible], Pavel. - Jānes. p. 179.

[illegible], G. - In the first days of the soviets. p. 184.

S[illegible]skii, IU. - Ballet about the youth of fathers. p. 186.

[illegible], V. - Literature and moral standards of social [illegible] p. 197

Okun', I. - Galina Serebriakova's book "Eternal light." p. 20[illegible]

[illegible], S. - The book "Lenin in Siberian exile, 1897-1900" by A. G. Ivan'kov p. 209.

Mikhailov, Igor' - Rashit Nigmati's poem "From a spark, a flame ..." p. 210

Urban, A. - Unpublished and little-known works of Vissarion Sayanov p. 210

Zhurov, P. - G. Petnikov's verse "Cherished book." p. 211.

Bakhmet'eva, E. - Book of fables "Brigade's godfather" by Vladimir Korban. p. 211.

Usovtsov, S. - On the book "With pen and pencil." p. 212.

Kravets, Nik. - E. S. Shabliovskii's book "T. H. Shevchenko, and Russian Revolutionary democrats." p. 21[illegible].

D[illegible]chko, D. - Viktor Pankov's book "In the stream of life." p. 213.

Maliarov, Irina. - "Army notebook" by Semen Gudzenko p. 214

At the bookshelf. p. 215

Larskoi, M. - A dozen boomerangs, a feuilleton. *p. 216*

No. 12, Dec. 1962.

Table of contents translated.

Grin, El'mar. - In Ivan's country; a novel (conclusion). *p. 3.*

Avramenko, Il'ia. - From the cycle "Roots;" verse. *p. 65.*

Kuvshchikova, A. - String of corals, a story. p. 88.

Olin, Emil'. - Passengers, citizens! (a story). p. 93.

Sinev, Valerii. - It's most clear to me! (verse). p. 99.

Kulagin, Vladimir. - Grain elevator; There are voices; Ordinary man, Earth, verse. p. 100.

Ozerov, Lev. - Curved glass of a waterfall,...; Express train hurries into the night,...; Gurzuf. On rocky shores....; verse. p. 102.

Ganibesov, V. - Man and the wind. p. 103.

Jozsef, Attila. - Song of spring; Dawn, Rain; Lullaby, Invitation to travel; verse. Translated from the Hungarian by Nikolai Chukovskii. p. 110.

Petunin, Pavel. - Business lyric. p. 112.

Kronfel'd, Leonid. - Green serpent. p. 134.

Trokhachev, A. - *Secrets* of 14 billion cells. p. 142.

Kirichenko, A. - Second life of beauty. p. 143.

Kirpichnikova, I. - Secret of defective glass. p. 144.

Vladimirova, A. - The impossible becomes possible. p. 145.

Shevtsov, Al. - Russian salmon. p. 146.

Revvov, Bor. - In the mountains of Antarctica. p. 148.

Kornilovich, B. - From the notes of a Russian engineer, *As told to M. G. Travina.* p. 152.

Beilin, A. - Individuality of the actor. p. 164.

Mikhailov, Al. - Asserting oneself,...; on polemics in verse and in lyrical declarations. p. 173.

Fomenko, Lidiia. - Man is complex. p. 182.

Urban, A. - In the days of trial; on P. Nilin's tale "Through the cemetery." p. 186.

Gubko, N. - Vital thought; about N. Akimov's book "On the theater." p. 188.

Kovylev, V. - I. M. Maiskii's "Spanish notebooks." p. 190.

Travinskii, V. - "Stories about the Navy" by I. Isakov. p. 190.

Vladimirov, P. - On the tale "Breakstone" by Aleksandr Deich. p. 191.

Toropygin, V. - On Leonid Khaustov's collection of verse "Spring river." p. 192.

Kuratov, N. - Anatolii Sorokin's verse "Kind sunrise." p. 192.

Zaborov, P. - B. G. Reizov's book "Between classicism and romanticism." p. 194.

Zhur, Petr. - *Two lotteries;* something new on the liberation of T. H. Shevchenko from serfdom. *p. 195.*

Levitin, Mikh. - Thinking of the merry. p. 200.

Timofeev, Boris. - Laughter in vaudeville. p. 205.

Golant, V. - Insurance business, a pamphlet. p. 207.

Contents of the periodical "Zvezda" for 1962, nos. 1-12. p. 217.

Kruglov, Viktor. - On Aleksandr Ivanov's book of verse "Singing birches." p. 193.

Tarnovskii, L. - The book "Gogol' in Petersburg by M. I. Gillel'son, V. A. Manuilov, and A. N. Stepanov. p. 193.

No. 1, Jan. 1963.

Table of contents translated:

Rakhmanov, Leonid. - Rock thrown into a quiet pond; a play. p. 3.

Polonskaia, Elizaveta. - Our little dove, Thaw; Morning on the way; verse. p. 45.

Shefner, Vadim. - Today, tomorrow, and never; Snake day; stories. p. 47.

Zernova, R. - Two days in the Eastern Pyrennes; a *story. p. 65.*

Beliaev, Vadim. - Zoia, let's talk! (a story). p. 78.

Korotaev, Viktor. - One day; verse. p. 84.

Khalupskii, Igor'. - *Footprints;* verse. p. 84.

Zhuravlev, Nikolai. - Such a custom prevails; verse. *p. 85.*

Grishin, Nikolai. - Nightingale; verse. p. 85.

Gunin, Anatolii. - Poems are not measured by meters; *verse. p. 85.*

Bitov, Andrei. - Big balloon, a story. p. 86.

Likharev, Boris. - In the Norwegian fiords; verse. *p. 93.*

Levonevskii, Dm. - Heart of a warrior. p. 96.

Vakhrameev, B. - Faith is already a necessity. p. 98.

Sadovskii, A. - Two Ivanychs. p. 106.

Guman, A. K. - On roads of new quests; remarks of a biophysicist. *p. 124.*

Aleksandrov, A. - First in the world. p. 130.

Lantsov, V. - City under a dome. p. 131.

Karyshev, O. - Marvels of a wheat ear. p. 132.

Khomiakova, T. - Man-made cyclone. p. 132.

Kuprevich, N. - New lines on the lunar landscape. p. 133.

Shteinman, Zel. - Pictures of nature. p. 136.

Uzilevskii, V., Frenkel', I. - *Stories* about the phototelegraph. p. 140.

Popel', N. - Berlin is before us! (to be continued). As told to M. Khelfets. p. 146.

Lagunov, F., Loman, IU., *Sot*, R. - The Leningrad blockade and falsifiers of history. p. 170.

Potekhin, IA. - To the south of Ladoga Lake. p. 173.

Veresov, A. - Soldiers of the 109th Regiment. p. 176.

Slaventantor, D. - Lights of Volkhovo. p. 179.

Bobyshov, M. P. - Along the road of quests; encounters *with K. S. Stanislavskii. p. 182.*

Maliutin, IA. - Remembering the great Stanislavskii. *p. 186.*

Radishchev, Leonid. - Admirer of many muses; on the 80th anniversary of the birth of A. N. Tolstoi. p. 188.

Gladkovskaia, L. - In the struggle for a new art; on the centenary of the birth of A. S. Serafimovich. p. 195.

Shishkina, A. - People *reaching for the top. p. 200.*

Kaminskii, V. - Popularity and pseudo-popularity. p. 206.

Timofeeva, V. - On the novel "Truth and falsehood" by M. Stel'makh. p. 211.

Moldavskii, Dm. - Vladimir Toropygin's book *of verse* "Promised by you." p. 213.

Nemirko, G. - Mikhail Demidenko's tale "Apricot stone." p. 214.

Panchenko, A. - On the book of new verse "July" by Nadezhda Poliakova. *p. 214.*

Vykhodtsev, P. - The book "Works of Leonid Leonov" by V. A. Kovalev. p. 214.

Smirnova, A. - The book "Henri Barbusse" by Irina Guro and Lidiia Fomenko. p. 215.

Ardov, V. - Literary kiosk; a New Year's fantasia. p. 216.

Oleinik, Stepan. - Young colt; from travel notes. Translated from the Ukrainian by Petr Zhur. p. 219.

Sokolovskii, A. - Pursuing happiness and rank"; verse. p. 220.

Zubikhin, V. - Verse. p. 220.

Mournful notes. p. 221.

No. 2, Feb. 1963.

Table of contents translated:

Slonimskii, Mikhail. - Seven years later; a novel (to be continued). p. 3.

Alshutov, Al. - From the book "Bristol"; *verse.* p. 51.

Gorbovskii, Gleb. - Spring; The mail has brought me *your smile....*; Encounter; Short poems; verse. p. 54.

Leonov, Aleksei. - Echo, a story. p. 66.

Kuznetsov, Viacheslav. - I remain a romanticist, from a new book of verse. p. 71.

Skorokhodov, Mikhail. - The Azores; Snow; verse. p. 74.

Smolian, A., Chentsov, D. - Hero, In the very heart c Africa; a tale about Patrice Lumumba (to be continued). p. 76.

Sosnora, Viktor. - Krasnodar; First drop; Fish and snakes; From the cycle "My friend Zhenia Kulik and I"; verse. p. 144.

Rozhdestvenskii, Vsevolod. - Farewell, old friend... Nefertiti; verse. p. 147.

Popel', N. - Berlin is before us! (to be continued). As told to M. Khelfets. p. 148.

Sukhin, K. - Restored "Penates." p. 173.

Trokhachev, A. - Enemies of death. p. 174.

Ionin, A. - Friendship. p. 175.

Bolgarov, N. - Electric necklaces around seas. p. 17

Vladimirova, A. - The forest treads upon the tundra. p. 178.

Shestalov, IUvan. - Reindeer raisers. p. 180.

Panich, M. - More about the little and the big.... p. 182.

Ashkinadze, L., Zhezhelenko, M. - Sensitive sky watch. p. 180.

Mikhailov, I. - Along varied roads. p. 194.

Val'bo, B. - "All in the future"; on the ninetieth anniversary of the birth of M. M. Prishvin. p. 202.

Reshetov, Al. - A word on the creative triumph of a comrade; on the poem "Liubava" by Boris Ruchev. p. 204.

Urban, A. - Renewal of a genre; on the poems "Court of memory" by E. Isaev and "Surmounting" by S. Vikulov. p. 207.

Fomenko, Lidiia. - Nikolai Livitin has matured, on Leonid Sobolev's novel "Capital repairs." p. 210.

Nazarenko, IA. - On the collection of articles "About man, for man" by Maksym Ryl's'kyi. p. 212.

Belov, S. - The work "Censored book in Russia" by L. M. Dobrovol'skii. p. 212.

Aleksandrov, A. - S. E. Shirokov's book "Dmitrii Kedrin." p. 213.

Kalmanovskii, E. - N. Dolinina's tale "Seriozha and I are twins." p. 213.

Efimov, A. - On the book of verse "Partings and meetings" by Nik. Kutov. p. 214.

Liublinskii, S. - The book "Underground revolutionary presses in Russia" by I. G. Levitina, M. A. Moskalev, and E. M. Fingerit. p. 212.

Shcheglov, G. - He came to life....; a story. p. 216.

Zubikhin, Vladimir. - Verse. p. 219.

Katkov, Nikolai. - Orientation; a story. p. 219.

Mournful notes. p. 222.

No. 4, Apr. 1963.

Table of contents translated:

Kholopov, Georgii. - Leninist line. p. 3.

Smolian, A., Chentsov, D. - Hero, in the very heart of Africa, a tale about Patrice Lumumba (conclusion). p. 6.

Chepurov, Anatolii. - On the road, verse. p. 67

Reshetov, Aleksandr. - Direct talk; verse. p. 70

Tkhorzhevskii, Sergei. - Change of places; a tale p. 72.

Kushner, Aleksandr. - Glassy day; Two babbles, or perhaps, mutters...; Finally, having left the two Rain; Where parsley and burdock reign...; When it's windy and snowy...; Under transparent skies verse. p. 95.

Infant'ev, V. - Cracked ice; His personal affair, stories. p. 98.

Babadzhan, Ramz. - On the banks of the Danube, verse Freely translated from the Uzbek by *S. Severtsev* p. 108.

Verse and stories of Hungarian writers:

  Petofi, Sandor. - Motherland; verse. Translated by Nikolai Chukovskii. p. 112.

  Timar, Mate. -Imre Hanga, herdsman; story. Translated by M. Popov. p. 113.

  Garai, Gabor. - Overture; verse. Translated by Evgenii Rein. p. 116.

  Galgoczy, Erzsebet. - High road; a story. Translated by M. Popov. p. 117.

  Hidas, Antal. - In the fire of approaching horizons; verse. Translated by L. Martynov. p. 127.

Trifonov, Georgii. - Visiting Hungarian friends p. 128.

Khomiakova, T. - Memory unit. p. 137.

Molotkov, G. - First brand. p. 146.

Aleksandrov, I. - Radiographs of the earth. p. 147

Arenin, Ed. - Birth of an ocean. p. 149.

Petrova, M. - Story of the bronze archives.... p. 15[illegible]

Il'ichev, IAkov. - With a good mission. p. 153.

Levin, Iv. - Encounters on the way. p. 156.

Visiting Aleksandr Serafimovich; Maksim Gor'kii; Romain Rolland. Bela Illes. Translated from the Hungarian by E. Egorov and E. Rakovskii. p. 159.

Kassil', Lev. - May they learn to appreciate the beautiful! p. 162.

Panich, M. - The postman delivered a letter... p. 166.

Popel', N. - Berlin is before us! (to be continued). As told to M. Khelfets. *p. 169.*

Kosmatov, Leonid. - On the synthetic principles of motion-picture art, remarks of a cameraman. p.188.
Bushin, V. - Controversy of an age. p.195.
Messer, R - Heroes who lead and heroes who are led. p.201.
Basalaev, I. - Ten stories about Lenin; on Leonid Radishchev's book of stories "For a whole lifetime." p.210
Solov'ev, Vladimir. - To us after a century...; on G.Kozintsev's book "Our contemporary William Shakespeare." p.212.
Dukovich, B. - V.V.Timofeeva's book "Language of a poet and the times, the poetic language of Maiakovskii." p.214
Urban, A. - Before a decisive step, on the literary almanac of young writers "Young Leningrad." p 215.
Hungarian humor. Translated by S.Zukkau-Vol'skii:
  Gedeon, Pal. - Goal in my net; a story. p 218.
  Tabi, Laszlo. - Confidentially ..., a story. p.220.
  Fendrik, Ferenc. - What an author writes about; story. p.221.

No.5, May 1963.
Table of contents translated:
Rozhdestvenskii, Vs. - Art for the people. p.3.
Zhestev, Mikh. - Meditations of these days. p.7.
Avramenko, Il'ia. - Young people, be mature! p.12.
Orlov, Sergei. - Constellations; verse. p.14.
Shevtsov, Aleksandr. - Good weather; a story. p.18.
Savinov, Evgenii. - Dance of small swans, Cook; verse. p.26.
Flerov, Nikolai. - Your street; verse. p.27.
Pelnikov, Grigorii. - Baby cranes; verse. p.28.
Reut, N., Skriabin, M. - Russian order; a tale (to be continued). p.29.
Verse of young poets:
  Artemov, Nikolai. - Names forewarn. p.93.
  Fomichev, Sergei. - Patter of rain on a tarpaulin... p.93.
  Serikov, Stanislav. - Bread. p.94.
  Lipengol'd, German. - Letters. p 94.
  Kovalev, Vladimir. - Succession. p.94.
  Troitskii, Mark. - In memory of Patrice Lumumba. p.95.
  Marchenko, Aleksandr. - Father. p.95.
Hugo, Victor. - To the bishop who calls me an atheist; To slanderers; Lawyers; To Napoleon III; Revolutions; In the sky; verse. Translated from the French by M.Gordon. p.96.
Steinbeck, John. - Travels with Charley in search of America (to be continued). Translated from the English by M.Kopelianskaia and A.Shaposhnikova. p.98.
Popel', N. - Berlin is before us! (to be continued). As told to M.Kheifets. p.118.
Erymovskii, Konstantin. - On the rocks of Mangyshlak. p.156.
Akimov, A. - Ocean to people. p.167.
Kamov, B. - Glass ship. p.177.
Kirichenko, A. - Roses and salt. p.178.
Ternik, Evg. - Here lives a capercaillie. p.179.
Aleksandrov, A. - About whales, killer whales, and our relations with them. p.180.
Sharonov, V. - Before the flight to the moon. p.183.
Grigor'ev, Nikolai. - About Rud'ka Kashkin. p.187.
N.N.Nikitin. p.194.
Khvatov, A. - Language and character. p.195.
Naumov, E. - Beyond the Arctic Circle. p.202.
Moldavskii, Dm. - Poet and song; on Aleksandr Churkin's sixtieth birthday. p.205.
El'iashovich, Ark. - On romantic sails; about A.Chakovskii's novel "Light of a distant star." p.207.
Reshetov, Al. - Example of a delightful variety; on L.Vysheslavskii's book of verse "Starry sonnets." p.209.
Ivasenko, N. - Vladimir Fedorov's book of tales "Pure well." p.211.
Kuchinskaia, D. - On the tale "Good-by, boys!" by Boris Balter. p.212.
Bakhmet'eva, Elena. - The children's novel "Boris Kartavin" by Vladimir Lialenkov. p.212.
Maliarova, Irina. - E.Dubrovina's book of verse "Dark blue forest." p.213.
Baruzdin, Sergei. - The poem "Road into tomorrow" by Andrei Dement'ev. p.213.
Motiashov, I. - V.Surganov's book "Leonid Sobolev." p.214.
Vilenskii, M. - Original Liulia; a story. p.215.
Dobysh, A. - Critical moment; The less, the better; verse. p.216.
Min, Evg. - Top and rattle; a tale for adults. p.217.
TSigus, A. - French humor. p.218.
Mournful notes. p.219.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soiuz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol.32, nos.6-7, 1964.

12. GEOGRAPHY & GEOLOGY

b. GEOGRAPHY

AKADEMIIA NAUK SSSR Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography. Transactions]. Moscow, vol.64, 1964. Issledovaniia Indiiskogo okeana (33 reis e/s "Vitiaz'") [Investigations of the Indian Ocean; 33d voyage of the research ship "Vitiaz'"].
Table of contents translated:
Preface. p.3.
Snopkov, V.G. - Determination of the heat exchange contact and the evaporation rate in the northern part of the Indian Ocean in the winter monsoon period. p.5.
Snopkov, V.G. - Some results of meteorological and aerological observations in the Indian Ocean in the winter monsoon period. p.11.
Ivanov, IU.A. - Hydrological investigations in the northern part of the Indian Ocean. p.22.
Fomichov, A.V. - Investigations of currents in the northern part of the Indian Ocean. p.43.
Sabinin, K.D. - Layers of high salinity in the northern part of the Indian Ocean. p.51.
Tareev, B.A. - Possibility of the formation of natural vertical convection in some regions of the Indian Ocean. p.59.
Panfilova, S.G. - Temporary variability of hydrological characteristics in the northern part of the Indian Ocean. p.63.
Ivanenkov, V.N. - Effect of the inner surface of a bathometer on the change in the concentration of the chemical elements in a water sample. p.80.
Kabanova, IU.G. - Primary production and the content of biogenetic elements in the Indian Ocean waters from October to April, 1960-1961. p.85.
Rozanov, A.G., Bykova, V.S. - Distribution of nitrates in the water of the northern part of the Indian Ocean. p.94.
Rozanov, A.G. - Distribution of phosphates and silicic acid in the water of the northern part of the Indian Ocean. p.102.
Ivanenkov, V.N., Vintovkin, V.R., Shatskov, K.Z. - Distribution of oxygen in the water of the northern part of the Indian Ocean. p.115.
Ivanenkov, V.N. - Distribution of the elements of a carbonate system (PCO_2, pH, Alk/Cl) in the water of the northern part of the Indian Ocean. p.128.
Shishkina, O.V., Zheleznova, A.A. - Chlorinity of the interstitial water in the northern part of the Indian Ocean. p.144.
Kuznetsov, O.A. - Buoy for undistorted meterological measurements over the sea. p.154.
Zatonskii, L.K. - New data on the bottom relief of the Indian Ocean. p.158.
Bezrukov, P.L. - Sediments in the northern and central parts of the Indian Ocean. p.182.
Gordeev, E.I. - Quantitative distribution of the suspended material in the surface waters of the northern part of the Indian Ocean. p.202.
Neprochnov, IU.P. - Structure and thickness of the sedimentary layer in the Bay of Bengal and the Arabian and Andaman Seas. p.214.
Isaeva, A.B. - Geochemical investigations of sediments in the northern part of the Indian Ocean. p.227.
Zheleznova, A.A., Shishkina, O.V. - Oxidation-reduction potential and the pH of sediments in the northern part of the Indian Ocean. p.236.
Naumov, A.G., Ponomareva, L.A. - Vertical distribution and the diurnal migration of basic examples of the zooplankton in the northern part of the Indian Ocean. p.250.
Zernova, V.V., Ivanov, IU.A. - Distribution of net phytoplankton depending on hydrological conditions in the northern part of the Indian Ocean. p.257.
Ponomareva, L.A. - Study of the Euphausiacea of the Bay of Bengal and the Arabian Sea. p.265.
Sokolova, M.N., Pasternak, F.A. - Quantitative distribution and tropical zoning of the botton fauna in Bay of the Bengal and the Andaman Sea. p.271.

Vol.70, 1963. Morskie obrastaniia i drevotochtsy [Marine fouling and wood borers].
Table of contents translated:
Zevina, G.B., Kuznetsova, I.A., Starostin, I.V. - Composition of fouling in the Caspian Sea. p.3.
Mass development of the polychaete Mercierella enigmatica Fauvel in Krasnovodsk Gulf. p.26.
Karaeva, N.I. - Materials on the diatoms of fouling on the eastern coast of the Caspian Sea; preliminary report. p.29.
Arbuzova, K.S. - Fouling in the southeastern part of the Baltic Sea; preliminary report. p.41.
Zevina, G.B. - Fouling in the White Sea. p.52.
Zevina, G.B. - Thoracic cirripeds in the fouling of the Black Sea. p.72.
Zevina, G.B., Tarasov, N.I. - Fauna of thoracic cirripeds on the continental coast of southeastern Asia. p.76
Starostin, I.V. - Fouling on industrial water pipelines in our southern seas and some methods of controlling it. p.101.
Starostin, I.V., Permitin, IU.E. - Composition of species and quantitative development of macrofouling on the marine water-supply system of a metallurgical plant on the shores of the Sea of Azov. p.124
Starostin, I.V., Turpaeva, E.P. - Settlement of the larvae of fouling organisms at water intake installations of a metallurgical plant (Sea of Azov). p.142.
Petukhova, T.A. - Settlement of the larvae of fouling organisms and marine borers (Teredenidae) in the Gelendzhik and Novorossiysk regions. p.151
Riabchikov, P.I. and others - Beginning of settling of the Sea of Azov by some species of shipworms of the family Teredinidae. p.157.
Riabchikov, P.I., Nikolaeva, G.G. - Settling of the larvae of the wood borer Teredo navalis L. (Mollusca, Teredinidea), and water temperature in Gelendzhik Bay of the Black Sea. p.179.
Sodatova, I.N. - Effect of water of various salinity on some physiological processes of the bivalve mollusk Teredo pedicellata Quatrefages in the Black Sea. p.186.
Turpaeva, E.P. - Reaction of the nudibranch mollusk Stiliger bellulus (d'Orbigny) of the Sea of Azov to water of various salinity. p.197.
Simkina, R.G. - Ecology of the hydropolyp Perigonimus megas Kinne, a new species in the fauna of the U.S.S.R. p.216.
Rozenberg, L.A. - Quantitative and qualitative characteristics of bacterial fouling of metallic plates. p.225.
Rozenberg, L.A. - Depolarization role of some sulfate reducing and saprophyte bacteria in the electrochemical corrosion of stainless and carbon steels p.231
Ulanovskii, I.B., Gerasimenko, A.D. - Influence of algae on the corrosion of carbon steel in sea water and the effect of ultrasonic vibrations on the intensity of photosynthesis of algae. p.246.
Turpaeva, E.P., and others. - Study of the effect of new antifouling paints on the larvae of the polychaete Mercierella enigmatica Fauvel and the young bivalve mollusk Mytilus galloprovincialis L. p.252.
Iskra, E.V., and others. - Effect of some poisonous substances on the major fouling organisms in Taganrog Bay. p.259.
Lebedev, E.M., Permitin, IU.E., Karaeva, N.I. - Fouling of plates in the Black Sea. p.270.

AKADEMIIA NAUK URSR, Kiev. Mors'kyi hidrofizychnyi instytut. Trudy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Marine Hydrophysical Institute. Transactions], Kiev, vol.29, 1964. Gidrofizicheskie issledovaniia; rezul'taty issledovanii v sed'moi reise nauchno-issledovatel'skogo sudna "Mikhail Lomonosov" [Hydrogeophysical investigations; results of the investigations made during the seventh voyage of the research ship "Mikhail Lomonosov"].
Table of contents translated:
Agenorov, V.K., Martsinkevich, L.M. - Seventh Atlantic expedition of the Marine Hydrophysical Institute. p.3.
Kosourov, G.I., Ushakova, N.P. - Long-lasting beta-activity of the atmosphere over the Atlantic Ocean. in 1960. p 13.
Morskoi, G.I. - Mexican cyclones. p.22.
Gamutilov, A.E., Istoshin, IU.V. - Hydrologic conditions of the Sargasso Sea and the Gulf Stream area adjacent to it. p.29.
Martsinkevich, L.M. - Geostrophic currents in the northwestern part of the Sargasso Sea and the Gulf Stream area adjacent to it. p.43.
TSyplukhin, V.F. - Decay of waves with depth. p.54.
Neimin, G.G., and others. - Some results of optical investigations in the northern part of the Atlantic Ocean. p.64.
Agenorov, V.K. - Diurnal variations of the radiation energy of the sun in an ocean layer in connection with its optical density. p.76.
Vladimirskaia, E.V. - Preliminary results of the study of the plankton in the northern part of the Atlantic Ocean. p.84.

GEOGRAFIIA V SHKOLE [GEOGRAPHY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.27, no.4, July-Aug. 1964.

[illegible] 1963 [CARTO- [illegible] 1963] [illegible], Vsesoiuz- [illegible] [All-Union Book Chamber] [illegible]

[illegible] ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions] Vol 270, 1963
Contents [Materials of the observations of a drifting research station "North Pole-8," 1959-1960] Material' nabliudenii na nauchno-issledovatel'skoi [illegible] "Severnyi polius-8" 1959/60 [illegible] 234 p

[illegible] GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Trudy [STATE HYDROLOGICAL INSTITUTE. Transactions] No 110, 1964 Issledovaniia [illegible] lavlenii na rekakh [Studying and [illegible] phenomena on rivers].

Table of contents translated

[illegible], V. P. - Dynamic conditions governing the formation of ice jams on rivers. p. 3.

[illegible], V. P. - Methods for the determination of the ice cover stresses. p. 12.

[illegible], V. A., Donchenko, R. V. - Characteristics of the conditions governing the formation and the development of ice on rapidly freezing rivers and reservoirs. p. 2[illegible].

Nezhikhovskii, P. A. - Analysis of measured discharges of frazil and ice and calculation of the flow of ice material. p. 35.

Nezhikhovskii, P. A. - Coefficient of the roughness of the lower surface of frazil ice cover. p. 54.

Makarevich, T. N., Anishkina, N. A., Efimova, Z. A. - [illegible] of the rivers of the western regions of the U.S.S.R. (White Russia and Baltic region) and the possibility of forecasting it. p. 83.

No. 112 1964 Voprosy gidrologii bolot [Problems of the hydrology of bogs]

Table of contents translated

Preface p 3

[illegible], S M - Calculating the level regimes of undrained raised bogs on the basis of meteorological data p 5

Ivanov, K E, Kotova, L V. - Problems of the dynamics of the development and hydromorphological characteristics of raised bogs in the Baraba Steppe p 33

Romanova, E. A - Types of bog microlandscapes as indices of the peat species in the upper layers of the deposit in lower bogs p. 54

REFERATIVNYI ZHURNAL GEOGRAFIIA [JOURNAL OF ABSTRACTS GEOGRAPHY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S R.] Moscow, no 7, July 1964

e GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut paleobiologii Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S S R. Institute of Paleobiology. Transactions] Vol. 7, 1962

Table of contents translated:

Khimshiashvili, N. G. - Migration of Jurassic ammonites. p. 3.

Gabuniia, L. K. - Remains of Eocene mammals from the Obaylinskaya series of the Zaysan Depression. p. 15.

Vekua, A. K. - Study of the Lower Quaternary Carnivora of Georgia. p. 23.

Meladze, G. K. - New representative of Sivatheriinae from eastern Georgia. p. 51.

Chochieva, K. I. - Chauda flora of western Georgia. p. 67.

Bagdasarian, K. G. - Origin and development of the Chokrak fauna. p. 111.

Tatishvili, K. G. - New data on the sandstones with Pecten arcuatus Brocchi in the Akhaltsikhe Depression. p. 137.

Kvaliashvili, G. A. - Stratigraphic position of the Tarkhan horizon. p. 145.

Vol. 8, 1963.

Table of contents translated:

Strelkovskii, V. I. - Origin and development of concepts of the relationship between ontogeny and phylogeny prior to Darwin. p. 3.

Avakov, G. S. - Evolution of the genus Ceratophyllum. p. 29.

Kvaliashvili, G. A. - Formation of deposits of the Cimmerian stage in western Georgia. p. 35.

Shatilova, I. I. - Spore and pollen complexes in the Upper Pliocene deposits of Guria. p. 43.

Zhgenti, E. M. - Migration of certain representatives of the genus Savanella. p. 63.

Popkhadze, M. V. - Migration of Cretaceous brachiopods. p. 67.

Davitashvili, L. Sh. - Subdivision of the Miocene into stages and principles underlying it. p. 73.

Davitashvili, L. Sh. - Significance of the problem of migration for paleobiology and historical geology. p. 85.

Bagdasarian, K. G. - Role of migrations in the genesis and development of the Chokrak fauna. p. 97.

Tatishvili, K. G. - Ecology of the genus Pinna. p. 103.

Vekua, A. K. - Study of paleolithic ungulates of Georgia. p. 109.

Dzhanelidze, O. I. - Miliolids of the Middle Miocene of Georgia. p. 133.

AKADEMIIA NAUK SSSR. Dal'nevostochnyi filial, Vladivostok. Trudy. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U. S. S. R. Far Eastern Branch Transactions. Geological Series]. Magadan, vol. 7, 1964.
Contents: Tolok, A. A. [Tin ore deposits of the October group in the Maritime Territory] Olovorudnye mestorozhdeniia Oktiabr'skoi gruppy v Primor'e 169 p.

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Geological Institute. Transactions]. Moscow, no. 101, 1964.
Contents: Pavlova, T. G. [Relationship between folding and granitoid igneous activity in the southern Ulutau] Sootnoshenie mezhdu skladkoobrazovaniem i granitoidnym magmatizmom v IUzhnom Ulutau. 183 p.

No. 110, 1964.
Contents: Pavlovskii, E. V., Eskin, A. S. [Characteristics of the composition and structure of the Archean of the Lake Baikal region] Osobennosti sostava i struktury Arkheia Pribaikal'ia. 125 p.

AKADEMIIA NAUK SSSR Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Paleontology. Transactions]. Moscow, vol. 102, 1964.
Contents: Ivanova, E. A., Bol'skaia, T. N., Chudinova, I. I. [Conditions governing the habitation of Silurian and Devonian marine fauna in the Kuznetsk, Minusinsk, and Tuva Basins] Usloviia obitaniia morskoi fauny silura i devona Kuznetskogo Minusinskogo i Tuvinskogo basseinov. 225 p.

Vol 103, 1964.
Contents: Suvorova, N. P. [Trilobites of the super family Corynexochoidea and their historical development] Trilobity korineksokhoidy i ikh istoricheskoe razvitie. 319 p.

AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut geologii Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Ural Branch. Institute of Geology. Transactions]. Sverdlovsk, no. 65, 1963. Sbornik po voprosam stratigrafii [Papers on the problems of stratigraphy], no. 7. Stratigrafiia i fauna paleozoia Urala [Stratigraphy and fauna of the Paleozoic of the Ural Mountains].

Table of contents translated:

Mamaev, N. F., Pronin, A. A., Chermoninova, I. V. - Stratigraphy and tectonic characteristics of the formation of Pre-Cambrian and Lower Paleozoic layers on the eastern slope of the Ural Mountains. p. 3.

Mamaev, N. F. - New data on the stratigraphy of metamorphic formations in the Miass region. p. 19.

Kliuzhina, M. L. - Stratigraphy of the upper part of the Asha series of the Central Ural Mountains based on lithological study data. p. 31.

Malakhova, N. P. - New data on the Paleozoic stratigraphy of the Magnitogorsk subsidence. p. 53.

Chuvashov, B. I. - Paleoecology of Stromatoporoidea. p. 77.

Malakhova, N. P. - Foraminifers from the sedimentary and volcanic sedimentary rocks of the greenstone formation in the Ural Mountains. p. 91.

Pronina, T. V. - Carboniferous foraminifers of the Berezovo series in the eastern slope of the Southern Ural Mountains. p. 119.

No. 68, 1964.
Contents: Papulov, G. N., Sitnikova, Z. I. [Mesozoic and Paleogene sediments in the region of the Turinsk key well in the Central Ural Mountains] Mezozoiskie i paleogenovye otlozheniia raiona Turinskoi opornoi skvazhiny v Srednem Zaural'e. 97 p.

No. 72, 1964.
Contents: Shteinberg, D. S. [Chemical classification of effusive rocks] O khimicheskoi klassifikatsii effuzivnykh gornykh porod. 100 p.

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. Pratsi. Seriia hidrogeologii i inzhenernoi geologii [ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R. Institute of Geological Sciences Transactions. Series in Hydrogeology and Engineering Geology]. Kiev, no. 9, 1963. Formuvannia resursiv pidzemnykh vod na Ukraini [Formation of underground water resources in the Ukraine]

Table of contents translated:

Preface. p. 3.

IEnovych, B. F. - Possibility of conducting able searches for underground waters in seismic prospecting as revealed by a study in the Dnieper-Donets Lowland. p. 5.

Lial'ko, V. I. - Method for determining seepage on the level of ground waters on the basis of the observation of the moisture and temperature conditions of rocks in the aeration zone. p. 27.

Lial'ko, V. I. - Formation of underground water resources in the Dnieper-Molochnaya interfluve. p. 41.

Mal's'ka, R. V., Myshkin, L. P. - Chemistry and genetic types of iodine- and bromine-containing waters in the cis-Carpathian region. p. 60.

Tkachenko, K. D. - Some results of the study of the moisture balance in the zone of aeration based on observation materials of the "Feofaniya" hydrogeological station. p. 70.

Shneiderman, H. A. - Forecast of raised ground water level in a case of steady seepage from a water reservoir by the electrodynamic analogy method. p. 90.

Shneiderman, H. A. - Methods for the determination of the interzonal boundary of nonartesian and artesian unidimensional movement of underground waters in an homogeneous layer under conditions of an inclined confining stratum. p. 104.

GEOLOGICHESKOE OBSHCHESTVO GRUZII. Izvestiia [GEOLOGICAL SOCIETY OF GEORGIA. Bulletin]. Tiflis, vol. 2, no. 2, 1961.

Table of contents translated:

Kacharava, I. V. - Paleogene in Bulgaria and its connection with the analogous sediments in Georgia. p. 3.

Vakhania, E. K. - Miocene sediments of South Ossetia p. 15.

Ananiashvili, G. D. - Lower horizons of the Miocene in the western part of the Racha-Lechkhumi syncline. p. 27.

Eristavi, M. S. - Some tectonical problems of the Psou and Mzymta Basins. p. 41.

Edilashvili, V. IA. - Geology of the Avadkhara region and adjacent areas. p 55.

Kiknadze, I. I. - Young intrusions in the upper Tskhenis-Tskali Valley. p. 65.

Bezhanishvili, G. N. - Altered wall rocks of the Moshevankoye ore zone. p. 75.

Vol. 3, no. 2, 1964.

Table of contents translated:

Kotetishvili, E. V. - New data on the stratigraphy of the Lower Cretaceous sediments of Abkhazia p. 3.

Dzhavakhishvili, Sh. I. - Age and genesis of the metamorphic and crystalline schists of the Upper Racha. p. 7.

Pataridze, G. P. - Petrography of the Lias coals of the lower Teberda Valley. p. 17.

Chikhelidze, S. S. - Mineral waters of the southern slope of the Greater Caucasus (Georgia). p. 27

Kakhadze, E. K. - Mineralogy and paragenesis of the copper-sulfide ores of southeastern Georgia. p. 37.

Zesashvili, V. I. - Age of albitophyres of Mount Garodzhi. p. 43.

Brief news. p. 67.

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]. Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSR and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSR [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S. S. R. and Main Admi[illegible] and Con- [illegible] ed to the [illegible] S R.]

[illegible]

B[illegible] - Tectonics of the earth's outer envelope. p. 3.

Holzheva'kyi, O. O. - Cretaceous sediments in the northeastern part of the Black Sea Lowland and Konka-Yaly Lowland. p. 12.

[illegible], Kiprosiana, D. P. - Mineralogy [illegible] surface of [illegible] magnetic [illegible] of [illegible] Valley. [illegible]

[illegible], E. M., and [illegible]. Upper Paleocene and Lower [illegible] complexes of Foraminifera in [illegible] p. [illegible]

[illegible] Stratigraphic [illegible] in the [illegible] p. [illegible]

[illegible] N. V. [illegible] p. [illegible]

[illegible] from the Paleogene of [illegible] p. [illegible]

[illegible] formation of the [illegible] Krasnovodsk Peninsula, p. [illegible]

[illegible] Apt and Alb [illegible] of the [illegible] paleogeographic [illegible] p. [illegible]

[illegible] Mineralogical [illegible] Apt [illegible] Alb sediments [illegible] p. [illegible]

[illegible] the Paleogene [illegible] p. [illegible]

[illegible] p. [illegible]

[illegible]

[illegible] Paleontological Journal [illegible]

[illegible] Table of contents translated: [illegible]

[illegible] p. 3.

[illegible]

Leleshus, V. L. - Ludlow genus Daljanolites (Tabulata). p. 10.

Preobrazhenskii, B. V. - Ordovician genus Kolymopora (Tabulata). p. 14.

[illegible], T. T. - Some new species of the Silurian and Devonian Tabulata of southeastern Kazakhstan. p. [illegible]

[illegible], E. I. - New Visean corals of the eastern slope of the Southern Ural Mountains. p. 26.

[illegible], R. G. - New Late Jurassic hexacorals of Azerbaijan. p. 31.

[illegible], I. A. - Badkhizella, a new genus of continental gastropods from the Middle Eocene of Turkmenia. p. 38.

Astaf'eva-Urbaitis, K. A. - Genus Allorisma from the Lower Carboniferous of the Moscow Basin. p. 45.

Mal[illegible]skaia, V. D. - Late Cambrian nautiloids of the Lesser Karatau. p. 56.

Babanova, L. I. - New data on Jurassic brachiopods. p. 63.

[illegible], M. N. - New Middle Ordovician trilobites Shumardia of the Northern Caucasus. p. 71.

Molin, V. A. - New conchostracans from the Ufa stage of the Mezen' Valley. p. 76.

Vishniakova, V. N. - Characteristics of the venation of the anterior wings of a new Late Jurassic cockroach. p. 82.

Rasnitsyn, A. P. - New Triassic hymenopterans of Central Asia. p. 88.

IAblokov, A. V. - Is there a convergence or a parallelism in the evolution of Cetacea? p. 97.

Il'ina, A. L. - New Devonian species of the genus Cooksonia (Psilophytales). p. 107.

Krasilov, V. A. - New Lower Cretaceous gymnosperms of the Maritime Territory. p. 114.

Ruzhentsev, V. E. - Methods of the study and description of ammonoids. p. 120.

Orlov, IU. A. - On one problem of the vertebrate paleontology in the U.S.S.R. p. 131.

Strel'nikov, S. I. - Find of Diplochone (Rugosa) in the Silurian of the subarctic Ural Mountain region. p. 132.

Paramonova, N. P. - Find of Oxytoma danica (Ravn) in the Russian Platform. p. 134.

Zhuravleva, F. A. - Arpaoceras of Devonian Actinoceratoidea in Armenia. p. 136.

Tatarinov, L. P. - New locality of Permian seymouriamorphs in the U.S.S.R. p. 139.

Chudinov, P. K. - Some meetings of Soviet and foreign paleontologists in 1963. p. 142.

Poiarkov, B. V. - First colloquium on the study of fossil Charophyta and their significance for the stratigraphy. p. 143.

Shevyrev, A. A. - 37th annual meeting of the American Society of Economic Paleontologists and Mineralogists. p. 144.

Meien, S. V. - Albert Charles Seward (1863-1941). Henry Potonié (1913-1963). p. 146.

Ruzhencev, V. E. - In memory of A. K. Miller (1902-1963). p. 149.

Tatarinov, L. P. - Barnum Brown (1873-1963). Bernhard Peyer (1885-1963). p. 150.

Trofimov, B. A. - Samuel Schaub (1882-1962). p. 150.

No. 2, 1964.

Table of contents translated:

Sokolov, B. S. - Professor Roman Kozlowski; on his 75th birthday. p. 3.

Voronin, IU. I. - Some septal Archaeocyatha of the Cambrian in Chita Province. p. 11.

Astrova, G. G. - A new order of Paleozoic polyzoans. p. 22.

Orlovskii, M. B. - New species of early Devonian polyzoans from southern Fergana. p. 32.

Dunaeva, N. N. - New polyzoans of the order Trepostomata from the Lower Carboniferous of the Donets Basin. p. 39.

Plamenskaia, A. G. - Find of representatives of the genera Chainodictyon and Kazarchimedes in the -

Pokrovskaia, I. M. - Method of compiling phytogeographical maps of past epochs. p. 143.

Mirkamalov, Kh. Kh. - Systematic position of the genus Amphidonta. p. 149.

Andreev, IU. N., Mandel'shtam, M. I. - Systematic position of the genus Lyubimovina. p. 152.

Gramm, M. N. - Find of ostracods of the genus Mediocytherideis in Neogene deposits of the Bukhara-Karshi Steppes (Uzbek S.S.R.). p. 155.

V'iushkov, V. P. - Find of the Triassic Theriodontia in the U.S.S.R. p. 158.

Teslenko, IU. V. - Find of the strobile of Williamsoniella in Upper Jurassic deposits of Western Siberia. p. 160.

Korde, K. V. - The new generic name Jacutiella Korde, nom. nov. p. 162.

Bel'skaia, T. N. - Paleoecological session-excursion in 1963. p. 163.

Shevyrev, A. A. - Symposium on the ecology and paleoecology of marine organisms. p. 164.

Shevyrev, A. A. - Karl Frantsevich Rul'e; Feodosii Nikolaevich Chernyshev; Eduard Suess. p. 167.

Tatarinov, L. P., Trofimov, B. A. - Academician Ivan Ivanovich Shmal'gauzen (1884-1963); an obituary. p. 169.

Ruzhentsev, V. E. - In memory of Gaston Delépine (1878-1963). p. 174.

REFERATIVNYI ZHURNAL· GEOLOGIIA [JOURNAL OF ABSTRACTS· GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964

13. SCIENCE

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports]. Erivan, vol. 36, no. 5, 1963.

Table of contents translated:

Pletsko, N. D. - Biquaternion elliptic spaces and their application in non-Euclidean geometries. p. 257.

Kegeian, E. M. - Behavior of an analytic function near the boundary of a region. p. 263.

Sarkisian, S. TS. - Breakdown of the solutions to a system of partial differential equations. p. 271.

Kocharian, N. M., Pachadzhian, Kh. B. - Study on the piezoeffect in polymethyl metacrylate. p. 277

Mkhitarian, A. M. - Determining the evaporation from the surface of Lake Sevan by the heat balance method. p. 281.

Balasanian, S. I. - Basic methods of using optics to determine plagioclases. p. 289.

Amarian, V. M. - Stratigraphic scale of Neogene and Quaternary volcanic formations in the area of Mount Aragats. p. 293.

Akhumian, K. S. - Discovery of the intermediate hosts of the causative agent of Raillietina infections in chickens, Raiellitina (Skrjabinia) circumvallata var. sibirica Fedjushin, 1953 (Cestoda: Davaineidae). p. 299.

Svadzhian, P. K. - Development of Thysaniezia giardi (Moniez, 1879) in the body of insects from the order Psocoptera. p. 303.

Rostomian, M. A. - Effect of γ-aminobutyric acid on the level of catechol amines in the blood. p. 307.

Fanardzhian, V. V. - Nonspecific influence of the cerebellum on the cerebral cortex. p. 311.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]. Baku, vol. 19, no. 6, 1963.

Table of contents translated:

Nadzhafov, K. A. - Holomorphic solutions to a certain class of nonlinear integrodifferential equations with different parameters. p. 3.

Aliev, Kh. M. - Explosion waves in a brittle medium. p. 11.

Meerovich, E. A., Chal'ian, D. M. - Method for calculating the current density distribution from the cross section of two conductors allowing for their mutual influence. p. 17.

Mustafazade, M. A., Gasanov, F. G., Osmanov, IU. K. - Using mathematical programming to determine the maximum possible withdrawal of oil. p. 25.

Bakhchisaraits'ian, N. G., Dzhafarov, E. A. - Internal stresses of electrolytic deposits of lead dioxide obtained from alkaline plumbite electrolytes. p. 31.

Bashirov, IA. B. - Regularities in the variation of quality characteristics of the oils and the chemical composition of the waters of the Balakhany series of the Peschanyy-More deposit. p. 35.

Kuliev, S. M., Gabuzov, G. G., Es'man, B. I. - Determining the heat capacity of clay muds using a differential electric calorimeter. p. 41.

Efendieva, A. G. - Morphological characteristics of the northern Apsheron Bay in connection with its hydrological regime. p. 47.

Veselkina, R. V. - Dynamics of the pH reaction in the Lenkoran zone of Azerbaijan. p. 53.

Sultanov, IU. G. - Change in the salinity of soils of the Sal'yan Steppe under the influence of irrigation and drainage. p. 59.

Mustafaeva, S. I. - Study of the effect of sowing time on the growth, development and yield of the Bol-Bugda wheat under dry farming conditions. p. 63.

Guseinov, R. K., Akhundov, A. K. - Effect of mineral fertilizers on the potassium content of soil. p. 6[illegible]

Nakhmedov, F. G. - Catechins in a green leaf of tea in the former Astara District of the Azerbaijan S.S.R. p. 73.

Isaeva, E. V., Kuliev, M. G. - Fleas (Suctoria) of Azerbaijan. p. 79.

Abbasov, A. A. - Pathological changes in the sympathetic ganglia in endarteritis obliterans. p. 8[illegible]

Sharifli, M. Kh. - Founding date of the city of Gyandzha. p. 89.

Gasanov, I. M. - History of the land policy of tsarism in Azerbaijan and Transcaucasia at the beginning of the 20th century. p. 95.

Kaziev, A. IU. - A treatise in verse on the rules of "Nasta'lik" handwriting. p. 99.

Vol. 20, no. 3, 1964.

Table of contents translated:

Guseinov, A. I., Mukhtarov, Kh. Sh. - Some properties of a linear integral operator with a Hilbert kernel in a generalized Hölder class. p. 3.

Ibramkhalilov, I. Sh. - Some methods for the evaluation of parameters. p. 9.

Iskender-Zade, Z. A., Abdullaev, G. B., Dzhafarova, E. A. - Effect of complementary charged centers on the capacitance of silicon p-n junctions. p. 17

Mamedaliev, IU. G., and others. - Copolymerization of unsaturated compounds of the liquid products of pyrolysis with acrylonitrile. p. 23.

Kiazimov, A. M., Salam-Zade, Z. M., Negreev, V. F. - Protecting aluminum alloys from corrosion in aqueous alkaline solutions by means of inhibitors. p. 27.

Sharifov, K. A. - Relation between the forbidden zone width of a solid and its thermodynamic properties. p. 31.

Krasil'shchikov, A. S. - Conditions governing the formation of underground waters in the continental layer of the Kirovabad-Kazakh Massif. p. 37.

Poroshina, L. A. - Stratigraphy of the Neocomian sediments in the surroundings of Konakhkend and the Kyzylkazmachay Valley (northeastern Azerbaijan). p. 41.

Giul', A. K. - Comparative characteristics from the viewpoint of engineering geology of the Apsheronian stage clays in the Apsheron Peninsula. p. 47.

Nasibzade, L. I. - Some problems in the economic effectiveness of oil production in the Caspian Sea. p. 49.

Nabiev, M. G. - Lithology of the Upper Pontian sediments of Shemakha District. p. 55.

Dzhavadov, M. A. - Development of the Sub-Kirmaki series in the Staroye Kala area. p. 61.

Sadykhov, I. A., Kolesnichenko, M. L. - Hyperparasitism of Bunostomum trigonocephalum in Anoplocephala of the ruminants of Azerbaijan. p. 65.

Mekhtieva, N. A. - Critical approach to the determination of the genera of Arthrobotrys corda and Trichothecium Link. p. 69.

Melikova, O. F. - Change in the fractional composition of water in the leaves of different varieties of olives. p. 75.

Gadzhiev, D. A. - Effect of vertical zonality on the interphase periods of interspecific wheat hybrids and their parents. p. 79.

Akhundov, A. K. - Degree of the potassium supply of the tea soils of the Zakataly zone of Azerbaijan. p. 83.

Kaziev, A. IU. - Medieval code alphabet. p. 87.

Aliev, F. M. - Term "ta'lin." p. 93.

Aleskerova, T. - Development of word-building homomorphemic affixes in the modern Persian language. p. 97.

Vol. 20, no. 4, 1964.

Table of contents translated:

IAkubov, S. IA. - Cauchy problem for evolution hyperbolic equations. p. 3.

Shatashvili, S. Kh. - Three-dimensional fundamental mixed problem in the theory of steady-state elastic vibrations. p. 7.

Ibragimov, I. I. - Inequalities for integral functions of finite power in the metric of a generalized Lebesgue space. p. 13.

Gadiev, S. M., Simkin, E. M. - Directional hydraulic fracturing with a hydraulic erosion jet of varying pressure. p. 19.

Kuliev, A.M., Zul'fugarova, A.G. - Synthesis and study of alkyl m-dioxanes. p.29.

Mekhtiev, S.D., Narimanbekov, O.A. - Vapor phase reduction of carbonyl compounds with alcohols. p.33.

Shakhtakhtinskii, G.B., Dzhafarov, E.A., Shakarov, G.A. - *Selecting the method* of extraction of gallium during the process of a complex treatment of alunites. p.39.

Ragimov, A.S. - Oil and gas potentials of the Upper Jurassic in the Terter and Araks interfluve (north-eastern foothills of the Lesser Caucasus). *p.45.*

Abdullaev, M.R. - Distribution of bitumens and organic carbon in sarmatian sediments in the zone of the Chatmino-Geokchay anticlinorium. *p.51.*

Mamedov, A.O. - Effect of the application of the growth promoting substance of petroleum origin by spraying on the chemical composition and nutritive value of legumes. p.55.

Abdullaev, I.K. - A new valuable variety of mulberry, IAgub-tut. p.59.

Mamedov, M.A. - New tea varieties in Azerbaijan. p.65.

Tagieva, A.G. - *Effect* of the irritation of stomach receptors on skin permeability against a background of stimulation of the central nervous system. p.71.

Sadygova, Dzh. - Some critical remarks on Nikola Rast's book, "Paydayish-i zamayir-i Farsi." p.77.

Sadykh-zade, Sh.G. - New archaeological finds in the Apsheron Peninsula. p.81.

*AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol.156, no.2, May 1964.

Table of contents translated.

MATHEMATICS:

Azbelev, N.V., TSaliuk, Z.B - Uniqueness of a solution to an integral equation. p.239.

Vishik, M.I., Eskin, G.I - Singular elliptic equations and systems of variable order. p.243.

Golubov, B.I. - Fourier series of continuous functions according to Haar's system. p.247.

Kalmykov, G.I. - Reversibility of Feller processes p.251.

Kushner, B.A - Riemannian integration in constructive analysis. p.255.

Medvedov, V.A - Convergence of the projection method in eigenvalue problems. p.256.

Rozenblat-Rot, M. - Relative stability of sums bound into a Markov chain of non-negative random variables. p.261.

Hsu, L.C., Wang, J.H. - General methods of "growing factors" and the approximation of unbounded continuous functions by some specific polynomial *operators.* p.264.

Tikhonov, A.N. - Stable methods for summing Fourier series. p.268.

Trnkova, Vera. - *Closure of space classes over* ω -mappings. p.272.

Cherepanov, G.P. - Riemann-Hilbert problem for the exterior of cuts along a straight line or along a circle. p.275.

IAkubovich, V.A. - Solution of certain matrix inequalities encountered in nonlinear regulation *theory.* p.278.

CYBERNETICS AND REGULATION THEORY:

Verkhovskii, B.S. - Multi-index transportation problem involving axial sums. p.282.

MECHANICS:

Kosmodem'ianskii, V.A. - Theory of multistage rockets. p.286.

HYDROMECHANICS:

Polezhaev, IU.V. - Process of the establishment of steady-state conditions of melting of a viscous glasslike *material.* *p.290.*

MATHEMATICAL PHYSICS:

Zaitsev, G.A. - Fundamental formulae for an n-dimensional real *spinor and an algebraic model of* quantized wave fields. p.294.

PHYSICS:

Abilov, G.S., Veselago, V.V., Prokhorov, A.M. - Passage of electromagnetic waves through bismuth. p.298.

Zubov, V.G., Osipova, L.P. - Some regularities in the variation of the Raman spectrum of α-quartz when irradiated by fast neutrons. p.300.

TECHNICAL PHYSICS:

Sheliubskii, V.I., Riazanov, G.V. - Role of diffusion in a process for the production of glass specimens of variable composition. p.302.

GEOPHYSICS:

Lazarev, A.I. - Conjecture about the nature of the luminous particles observed by astronauts. p.305.

Marchuk, G.I. - Numerical algorithm for the solution of weather forecasting equations. p.308.

CRYSTALLOGRAPHY:

Vainshtein, B.K., Gurskaia, G.V. - X-ray diffraction study to determine the structure of hydrochloric phenylalanine. p.312.

GEOLOGY:

Alekseev, V.A., and others. - New data on the absolute age of the Late Paleolithic formations of the Molodova V site in the middle Dniester Valley. *p.315*

Korikovskii, S P, Fedorovskii, V.S - Geological and petrological interrelationship of the Udokan series and the Stanovoy complex. p.318.

Krylov, I.N, Zhuravleva, Z A. - Finds of problematic organic remains in ancient formations of northern Kazakhstan. p.322.

Letavin, A.I, Redichkin, N.A., Savel'eva, L.M. - Lower Permian sediments in the Crimean steppes p.324

Pakhomov, M M. - Fossil Pliocene-Ancient Quaternary flora of the southwestern Pamirs *p.328.*

Shatilova, I.I - Change of the flora of western Georgia in the Late Pliocene based on spore-pollen *analysis data.* *p.331.*

MINERALOGY

Gordienko, V.V., Denisov, A.P. - Effect of rubidium content on the parameters of the unit cell of muscovite. p.335.

Portnov, A.M. - Calcium "seidozerite," a new variety of "seidozerite." p.338.

Sobolev, V.S. - Melting incongruence of minerals under the conditions of pressure variation. p.341

Khomiakov, A.P., and others. - New mineral "tikhonenkovite" $SrAlF_4(OH).H_2O$. p.345.

PETROGRAPHY:

Il'vitskii, M M, Romanenko, G.N. - Ore mineralization on contacts between granites and serpentinites. p.348.

Kutolin, V A. - Composition of the upper mantle from the viewpoint of petrochemistry. p.351.

GEOCHEMISTRY·

Shteinberg, D.S, Malakhov, I A. - Behavior of iron in the process of serpentization p.355.

Shcherbakov, IU.G. - Correlative dependence of ore complexes associated with granitoids on the composition of the formations enclosing them. p.359.

CHEMISTRY:

Borisov, V.V., and others. - X-ray diffraction study of pepsin. p.363.

Kamai, Gil'm, Khisamova, Z.L - Some organoarsenic derivatives of ethylenimine. p.365.

Korshak, V.V., and others. - Study of mixed block polyarylates. p.368.

Kurilenko, A.I., and others. - Modification of the surface properties of capron fibers by grafting polystyrene. p.372.

Liberman, A.L., and others. - Sequence of the boiling points of stereoisomeric 1-methyl- and 1-ethyl-4-tert-butylcyclohexanes. *p.375.*

Lipatova, T.E, Budnikova, V.A., Siderko, V.M. - Mechanism underlying the carbonium polymerization of unsaturated polyesters. p.379.

Nesmeianov, A.N., and others. - Mixed bimetallic organic derivatives of rhenium carbonyl. p.383.

Poroshin, K.T., Burichenko, V.K. - Phosphine derivatives of amino acids and peptides. p.386.

Pushkareva, Z.V., Murashtein, M.K. - Polarographic reduction and infrared spectra of some o-oxyazo *dyes.* *p.389.*

Razuvaev, G.A., and others. - Interaction of diisopropylmercury with chloroform and carbon *tetrachloride.* *p.393.*

Shreiner, E.S., and others. - Effect of the phase state of diketene on the chemical structure of macromolecules formed during its polymerization. p.396.

PHYSICAL CHEMISTRY:

Gol'danskii, V.I., and others. - Particular features of the Mössbauer effect for tin compounds with coordination number 6. p.400.

Dubinin, M.M., Zhukovskaia, E.G. - Characteristics of the adsorption of vapors by microporous adsorbents. p.404.

Kashaev, S.Kh.G., Le, B., Zinlatov, M.Z. - Viscosity, Raman spectra, and thermodynamic constants of the homologous series of normal paraffins C_5 - C_{18}. p.408.

Kokoreva, I.IU., and others. - Dipole moments of certain nitrones. p.412.

Krasnova, I.E., Zebreva, A.I, Kozlovskii, M.T. - Determination of the solubility and diffusion coefficient of nickel in mercury by the method of amalgam polarography with storage. p.415.

Mazitov, R.K. - Quadrupole nuclear relaxation of deuterium in liquids. p.418.

Sabo, K., Bagotskaia, I.A. - Effect of pH and of the electrolyte concentration on hydrogen overvoltage at a gallium dropping electrode. p.420.

Solnyshkin, V.I., Parshenkov, S.A. - Interaction of the oxy forms of oleic acid with the surface of some minerals. p.424.

Spitsyn, Vikt.I., Gromov, V.V. - Effect of electrolytes on the absorption of dyes by radioactive [illegible] of $BaSO_4$. p 427

[illegible] the [illegible]

CHEMICAL TECHNOLOGY:

Kontorovich, S.I. - Effect of filler dispersity on the hydration solidification of calcium oxide. p.434.

Kudriavtseva, N.L., Khodakov, G.S. - Effect of the additions of surface-active substances on the diminution of clinker. p.437.

HISTOLOGY:

*Akmaev, I.G. - Experimental analysis of the func*tional role of neurohypophyseal capillaries. *p* 441

ECOLOGY

Birman, I B - Vertical migrations and vertical distribution of salmon in the sea. p.444.

Sirotina, M.I, Britskii, IA V., Chernaia, G.S - Indices for short-term forecasting of the abundance, vitality and fecundity of Colorado beetle. p.448

Shkorbatov, G.L., Kudriavtseva, G.S - Changes in the heat- and cold-resistance of fish tissues as related to the temperature conditions of the environment. p.452.

HYDROBIOLOGY:

Gileva, E A., Timofeeva, N.A., Timofeev-Resovskii, N.V. - Effect of continuous gamma irradiation on the biomass of freshwater algal periphyton. p.455

BIOCHEMISTRY·

Gurevich, A.A., Trubachev, I.N, Rerberg, M S - Effect of hydrogen peroxide on the reduction of nitrates in a green plant. p.457.

Klimenko, V G., D'iachenko, N I. - Globulins of common sunflower (Helianthus annuus L.) seeds. p.461.

Mardashev, S.R., Semina, L.A - Crystalline histidine decarboxylase obtained from Micrococcus sp.n. p.465.

Morgunova, E.A., Evstigneeva, Z.G., Kretovich, V.L. - Biosynthesis of amino acids from the glyoxylic acid in oilseed plants. p.467

PLANT PHYSIOLOGY.

Godnev, T.N., Khodasevich, E.V, Akulovich, N.K. - Aftereffects of powerful light impulses on the stability of photosynthetizing apparatus p.471.

Khavkin, E.E. - Iron accumulation in leaves as a function of age. p.474

PHYSIOLOGY·

Rabin, A.G. - Characteristics of cortical regulation of the reticular thalamic nucleus. p.478.

Vol.157, no.2, July 1964.

Table of contents translated

MATHEMATICS:

Bakel'man, I.IA. - Regular solutions to Monge - Ampère equations. p.247.

Dintsen, B.L. - Deviation of analytic functions from the mean arithmetic quotients of sums of Faber's series. p.250.

Esaian, A.R, Stetsenko, V.IA. - Determinations of the spectrum of integral operators and infinite matrices. p.254.

Ibragimov, I.I, Mamedkhanov, D.I. - Relation between norms with weight of an integral function of finite power on straight lines parallel to the real axis. p.258.

Markov, A.A. - Normal algorithms for computing Boolean functions. p.262.

Mel'tser, M.M. - Weakly perfectly continuous spectra of locally convex spaces. p.265.

Mitiuk, I.P. - Symmetrization principle for multiply connected regions. p.268.

Mikhlin, S.G. - Stability of certain computation processes. p.271.

Osmatesku, P.K. - Generalization of P.S.Aleksandrov's Theorem on one-point compactification. p.274.

Perlatov, G.N. - Some properties of the internal extensions of a partial Archimedean space. p.276.

Rusev, P. - Analytic mappings and Bergmann's functions. p.279.

Simonian, L.A. - Two radicals of Lie algebras. p.281.

Hadeler, Karl-Peter. - Spectra of normal operators. p.284.

Khenkin, G.M. - Linear superpositions of continuously differentiable functions. p.286.

CYBERNETICS AND REGULATION THEORY:

Barzdin', IA.M. - Universal pulsating elements. p.291.

Bliusin, A.A. - Problem of a distributor optimizing within an interval. *p.295.*

Brusin, V.A. - Sufficient conditions of absolute stability for a class of automatic control systems. p.299.

Karmazin, M.A. - A class of correcting codes. p.303.

THEORY OF ELASTICITY:

Agamirov, V.L., Vol'mir, A.S. - Stability of a cylindrical shell under a longitudinal impact. p.307.

ASTRONOMY:

Mokhnach, D.O. - Effect of photodissociation on the distribution of surface brightness in the carbon atmosphere of comets. p.309.

PHYSICS:

Adirovich, E.I. - Theory of photoconductivity in thin semiconducting films. p.313.

Vasil'ev, L.A., Ershov, I.V. - Use of the diffraction shadow method in the quantitative determination of the intensity of a plane shock wave in a model moving in a supersonic flow. p.317.

[illegible] late Devo-
[illegible] 21
[illegible]
[illegible] collisions

[illegible], D.A., [illegible], I.A. - Genera-
[illegible] and their role in the Inter-
[illegible] results in the superhigh
[illegible]

[illegible], I. A. - [illegible]
[illegible]

[illegible]
[illegible] islands in
[illegible] crystals

[illegible] differences in thermal
[illegible] in the European
[illegible] the Asiatic part of the
[illegible]

[illegible] - Arch uplift in the
[illegible] Pre[illegible] p. 341

[illegible] determined
[illegible] the Sy[illegible] pluton

[illegible] and others - High-temperature in-
[illegible] of pegmatites and granites
[illegible]

[illegible] of rock-forming
[illegible]

[illegible] characteristics of the
[illegible] rocks in the Donets
[illegible]

[illegible]MISTRY

[illegible], V. I. - Synthesis of 1,2[illegible] 5,6,7,8-tetrahydroisochroman-[illegible]

[illegible] A., [illegible], G. G., Reutov, O. A. - [illegible] fluoride with [illegible] p. 3[illegible]

[illegible] and others. - Structure of the salts [illegible] derivatives and the mechanism [illegible] formation. p. 367

[illegible] A., Kar[illegible], Mamakov, K. A. - [illegible] organoarsenic compounds [illegible] S-esters of [illegible] of trivalent arsenic. p. 371

[illegible]CAL CHEMISTRY

[illegible], I. G., Gur'ianova, E. N. - Heats of formation, dipole moments, and ultraviolet spectra of the molecular compounds of iodine with organic sulfides. p. 373

[illegible] A. F., [illegible], S. A. - Mechanism of the burning of smokeless powder at elevated pressures. p. 378

Blumenfel'd, L. A., and others - Generation of paramagnetic centers and emf during electrochemical reactions in triphenylmethane dye polycrystals. p. 381

Boreskov, G. K., and others - Nature of active centers in the reaction involving the isotopic exchange of hydrogen on γ-irradiated silica gel. p. 384

Vainshtein, E. F., Chirkov, V. I. - Structure of X-ray K_{β_5}-emission bands of titanium in oxides $(TiO_{0.85}-TiO_{1.20})$. p. 388

Zhabotinskii, A. M. - Periodic oxidizing reactions in the liquid phase. p. 392.

[illegible], A. N. - Some regularities in the thermodynamics of ternary aqueous salt solutions. p. 396

Kontorovich, S. I., Segalova, E. E., Rebinder, P. A. - Effect of strong electrolytes on the rate of hydration of calcium oxide. p. 400

Levich, V. G., Chizmadzhev, IU. A., Chirkov, IU. G. - Polarization curves for electrodes partly immersed in an electrolyte solution. p. 404.

L'vov, S. N., and others. - Physical properties of titanium carbide in the homogeneity region. p. 408

Maksimov, E. I., Merzhanov, A. G. - Model representing the burning of nonvolatile explosives. p. 412

Muller, L., Nekrasov, L. N. - Effect of surface oxides on the electroreduction of oxygen on platinum in an alkaline solution. p. 416.

Potapov, V. M., Terent'ev, A. P., Serova, L. I. - Dispersion of the optical rotation of 2,2-dimethyl-6-phenyl-4-piperidone. p. 420

Florianovich, G. M., Kolotyrkin, IA. M. - Mechanism of dissolution of iron alloys with chromium in sulfuric acid. p. 422

Tsiklis, D. S., Maslennikova, V. IA. - Mutual limited solubility of gases in the water - butane system. p. 426

Sharifov, K. A., Abbasov, A. S. - Interrelation between the width of the forbidden zone and Gibbs' energy of nonmetallic solids. p. 430.

CHEMICAL TECHNOLOGY

Gubanov, E. F., Anoshina, N. P., Teitel'baum, B. IA. - Crystallization of natural rubber as influenced by plasticization. p. 433.

CYTOLOGY.

Arronet, N. I. - Point of application of the injurious action of heat to the cell. p. 437

Bazardzhian, A. G., Leikina, E. M., Antipova, K. K. - Role of vitamin B_{12} in the activation of the genetic apparatus of differentiated cells in the case of their increased physiological function. p. 440.

Brodskii, V. IA., Ivanov, V. B., Nechaeva, N. V. - Direct participation of the cell nucleus in the secretory protein of the parotid salivary gland. p. 443

Shudel', M. S., and others. - Effect of some metabolic poisons of the respiratory chain on the ultraviolet fluorescence of cells. p. 447.

HISTOLOGY

Konovalov, G. V. - Comparative morphological study of the cytopathogenic effect of related viruses of street rabies and rabieslike disease of polar animals. p. 451.

GENETICS

Kostriukova, K. IU. - A new karyotype in lilies. p. 454.

MICROBIOLOGY:

Gauze, G. G., and others. - Composition of DNA in some bacteria and their mutants carrying oxidation deficiency. p. 457.

BIOPHYSICS

Palyga, G. F., IArmonenko, S. P., Shapiro, I. M. - Reparation of chromosome injuries in resting liver cells of rats subjected to chronic gamma irradiation. p. 460

BIOCHEMISTRY:

Gershenovich, Z. S., Krichevskaia, A. A., Shugalei, V. S. - Urea synthesis by brain sections. p. 464.

Gurevich, A. A., Trubachev, I. N. - Reduction of nitrite into ammonia induced by ascorbic acid. p. 467.

Ivanov, I. D., Rakhleeva, E. E. - Polarography of tertiary protein structure. p. 469.

Ledneva, R. K., Shabarova, Z. A., Prokof'ev, M. A. - Fermentative hydrolysis of the phosphamide bond in nucleotidyl-(5'→ N)-amino acids. p. 473.

Nikol'skaia, I. I., Kislina, O. S., Tikhonenko, T. I. - Isolation of 5'-nucleotidase of viper venom from interfering enzymes. p. 475.

PLANT PHYSIOLOGY:

Fam Suan Kkhai, Pleshkov, B. P. - Effect of phosphorus nutrition on the fractional and aminoacetic composition of proteins in beans. p. 478.

Chailakhian, M. Kh., Lozhnikova, V. N. - Photoperiodic influence and the dynamics of gibberellin-like substances in plants. p. 482.

EXPERIMENTAL MORPHOLOGY:

Popova, M. F. - Effect of denervation on the posttraumatic regeneration of the muscle. p. 486.

PHYSIOLOGY:

Ermolaeva, V. IU., Chernigovskii, V. N. - Viscerosomatic signalization in reticular structures of the midbrain of a cat. p. 489.

Zaraiskaia, S. M. - Cortical projection of different sections of the vagus nerves. p. 493.

Vol 157, no. 3, July 1964.

Table of contents translated:

MATHEMATICS.

Akilov, G. P., Rubinov, A. M. - Finding the best approximation polynomial by the method of successive approximations. p. 503.

Berman, S. D. - Theory of integral representations of finite groups. p. 506.

Gor'kov, IU. P. - Behavior of the solutions to boundary value problems for a quasi-linear parabolic equation at $t \rightarrow \infty$. p. 509.

Il'ich-Datovich, M. G. - Infinitesimal flexures of a class of ribbed cylindroids. p. 513

Krushkal', S. L. - Mappings, quasi-conformal in the mean. p. 517.

Lavrent'ev, M. M. - An inverse problem for a wave equation. p. 520.

Lin' TSzun-chi [Ling TSung-ch'ih]. - Asymptotic behavior of solutions to the Cauchy problem in the case when the limiting equation has a singularity. p. 522.

Mamedkhanov, D. I. - Inequalities for positive integral functions in a generalized Lebesgue space. p. 526.

Nagornyi, N. M. - Realizable and complementary logico-arithmetical formulae. p. 529.

Repnikov, V. D. - Uniform stabilization of the solution to the Cauchy problem for parabolic equations. p. 532.

Fedosov, B. V. - Asymptotic formulae for the eigenvalues of the Laplace operator in the case of a polyhedron. p. 536.

Shapiro, IA., Temirov, T. - Riemann spaces with a reducible isotropy group. p. 539.

CYBERNETICS AND REGULATION THEORY:

Barzdin', IA. M. - Universality problems in the theory of growing automata. p. 542.

Varshamov, R. R. - Some characteristics of linear codes correcting asymmetrical errors. p. 546.

MECHANICS

Kharlamova, E. I. - New solution to the problem of motion in a Newtonian field of force of a body having cavities filled with liquid. p. 549.

THEORY OF ELASTICITY

Kilko, I. A. - Variational principle in problems involving the flow of a thin layer of plastic material. p. 551

ASTRONOMY:

Gol'nev, V. IA., Lipovka, N. M., Pariiskii, IU. N. - Observation of the radio emission from Jupiter at a wavelength of 0.5 cm. at Pulkovo. p. 554

PHYSICS:

Vashakidze, I. Sh., Chilashvili, G. A. - Binding energy of hypertritium in the case of noncentral interaction. p. 557.

Dubrovina, S. M., Shigin, V. A. - Cross sections of Pa^{231} and PU^{239} fission by neutrons in the energy range 1.5 to 1500 Kev. p. 561.

Klimontovich, IU. L. - Statistical theory of nonequilibrium processes in a plasma, making allowance for nonlinear wave interaction in kinetic equations. p. 563.

Klinger, M. I. - Theory of nonstationary conductivity of semiconductors of small mobility. p. 5[illegible]

TECHNICAL PHYSICS

Grinberg, B. A. - Some characteristics of the dislocation structure of type AB_3 ordering alloys. p. 570.

Kostelskii, B. I., Kolesnichenko, L. F. - Change in the dislocation structure of steel by deformation in the presence of surface-active substances. p. 5[illegible]

Kurochkin, N. V. - Effect of the mechanical properties of materials on the productivity and specific energy in ultrasonic treatment. p. 577.

GEOPHYSICS

Dikii, L. A. - Frequencies of free oscillations of the earth's atmosphere. p. 580.

CRYSTALLOGRAPHY:

Dymkov, IU. M. - Epitaxial transformation of $U_3O_8 \rightarrow UO_{2+x}$ in uraninites. p. 583

Shubnikov, A. V. - Symmetry of the molecules of benzene and related compounds. p. 586.

GEOLOGY.

Vlasov, G. - Characteristics of climatic changes in the Paleogene and Neogene in the Far East. p. [illegible]

PETROGRAPHY:

Ivanov, S. N., Nechcukhin, V. M. - Time of the greenstone alteration and the origin of sodium and the essentially potassium igneous series in the geosyncline formations of the Ural Mountains. p. 5[illegible]

Tolok, A. A. - New type of ore-bearing nepheline syenite. p. 597.

CHEMISTRY:

Bainova, M. S., and others. - Conformation studies in the cocaine series. p. 600.

Vul'fson, N. S., Zhurina, F. G., SenIavina, L. B. - Interaction of bromocyanoacetic ester with aromatic aldehydes in the Reformatskii and Wideqvist reactions. p. 603.

Gverdtsiteli, I. M., Guntsadze, T. P., Petrov, A. D. - Effect of $HGe(C_2H_5)_3$ on primary and secondary vinylacetylene carbinols. p. 607.

Davydov, B. E., Korshak, IU. V., Krentsel', B. A. - Hydrazinolysis, a new method of studying the structure of nitrogen-containing polymers with conjugate bonds. p. 611.

Dolgii, I. E., Meshcheriakov, A. P. - Interaction of diazoacetic ester with tetraallylsilane. p. 615.

Kalnin'sh, K. K., Belen'kii, B. G. - Dissociation of tetracyclines studied by means of infrared spectroscopy. p. 619.

Nesmeianov, A. N., Anisimov, K. N., Valueva, Z. P. - Chloromethylcyclopentadienylmanganese tricarbonyl. p. 622.

Paleeva, I. E., Sheverdina, N. I., Kocheshkov, K. A. - Asymmetric aromatic organozinc and organomercurium compounds of the type ArMeAr'. p. 626

Porai-Koshits, B. A., and others. - Reaction in which the nitroso group is cleaved off from aliphatic-aromatic nitrosamines. p. 629.

Sidel'nikovskaia, F. P., Avetisian, A. A. - Rearrangements in the S-allylthiolactam series. p. 632.

Stavrova, S. D., Peregudov, G. V., Margaritova, M. F. - Mechanism of interaction between benzoyl peroxide and dimethylaniline as studied by spectral methods. p. 636.

Suvorov, A. L., Spasskii, S. S. - Interaction of alkylorthotitanates with dibasic acid anhydrides. p. 639.

Turova-Pollak, M. B., and others. - Use of the oxides of rare earth elements in catalytic synthesis. p. 643.

PHYSICAL CHEMISTRY:

Belinkova, L. D., Kiselev, A. V., Kovaleva, N. V. - Gas chromatographic determination of hydrogen bonding energy in adsorption layers. p. 646.

Vishnevskaia, [illegible] ation in
[illegible]
[illegible] Shagovskii,
[illegible] als when
[illegible] p. 653.
[illegible] rbons with
[illegible] properties
[illegible] icle pro-
[illegible] in solu-

CYTOLOGY

Meerson, F.Z., and others. - Correlation of the mass of energy-producing and functioning structures in the adaptation process of the differentiated cell to a prolonged increase of functional level. p 668.

HISTOLOGY·

Leites, F.L., Lempert, B L. - Localization of lipoproteinic lipase in some tissues of white rats. p 672

Khaisman, E.B, Lavrent'eva, N B. - Morphology of the vegetative component of the depressor zone of the aortic arch. p.674

MICROBIOLOGY.

Uspenskaia, V.E., Kondrat'eva, E.N. - Free porphyrin formation by green photosynthetizing bacteria. p.678

Shaposhnikov, V.N., and others. - Formation and distribution of amino acids in an Actinomyces levoris 2789 culture according to developmental phases. p.681.

BIOPHYSICS:

Pozhidaev, E.A. - Radiosensitivity of female gametes in ante- and postnatal periods in rats p.684.

Razumova, L.L., and others. - X-ray study of structural reconstructions in a striated muscle following changes in its length. p.688.

BIOCHEMISTRY:

E,Fhorskii, V.IA., Zaitseva, N I., Mantrova, G.V - Use of δ -aminolevulinic acid for vitamin B_{12} biosynthesis by resting cells of Propionibacterium shermanii. p.692.

Vasil'eva, N.A., Gofshtein, L.V. - Method for isolating cell nuclei from embryos and seedlings of wheat in glycerin solutions p.696.

Vereshchagin, A.G., Skvortsova, S.V. - Partition chromatography of unsaturated lipids in the form of their π-complexes with silver ions. p.699.

Ivanov, I D., Rakhleeva, E E. - Comparative study of the polarographic wave of a protein irradiated by ultraviolet light. p.703.

Konovalova, N P, and others. - Antitumorigenic activity of stable free radicals. p.707.

Kotel'nikova, A V., Ivanova, E.V - Study of oxidative phosphorylation in subcellular particles from Azotobacter vinelandii. p 710.

Lukash, A.I., Gershenovich, Z S. - Change in the properties of brain proteins in hyperoxia. p.714.

Lukomskaia, I.S. - "Acid" and "neutral" α-glycosidases in animal tissues p.716.

Rubin, B.A., Zeleneva, I.V. - Change in the activity of cytochrome oxidase and peroxidase in leaves of a cucumber infected by cucumber mosaic virus. p.720.

Saenko, A.S, and others. - Break in the 1,3-bonds in dextran by enzymatic preparations from animal and human liver. p.723.

Tatarskaia, R I., and others. - Guanylic ribonuclease of actinomycetes. p.725.

El'piner, I.E., Sutokskaia, I.V. - Effect of ultrasonic waves on the structure and antibiotic activity of gramicidin-C. p.729.

EXPERIMENTAL MORPHOLOGY·

Gusareva, E.V. - Regeneration of nerve elements of the left ventricle after its injury by diathermocoagulation. p.733.

PHYSIOLOGY:

Luk'ianenko, V.I. - Antibody formation function in the dolphin Phocaena phocaena. p.737.

Sokolova, Z.A., Grigor'ian, D.G. - Study of protein metabolism of heart muscle in atherosclerosis. p.740.

AKADEMIIA NAUK URSR, Kiev. Dopovidi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no.6, 1963.

Table of contents translated:

Hrankin, E.P. - Selecting a family of trajectories in solving an inverse problem in electron optics. p.695.

Slobodeniuk, M.P. - Limit theorem for additive functionals of a sequence of sums of independent random variables. p.698.

Kolomiiets', V.H. - Effect of harmonic and random forces on a self-oscillatory system. p.701.

Kovan'ko, O.S., Lisevych, L.M. - Certain properties of indefinite integrals and the derivative of an almost periodic S^p-function p.705.

Pokornyi, IU.V. - Some signs of the compression and tension of a cone. p.706.

Kysylevs'kyi, H.E. - Some signs of the unicellular nature of dissipative Volterra operators. p.710.

Drinfel'd, H.I., Kiong, Kim. - Integral invariants of Pfaff's completely integrable systems of differential equations. p.713.

Shatashvili, A.D. - Nonlinear transformations of continual integrals by Gaussian measures. p.717.

Kushnirchuk, I.F. - Cauchy problem for a class of partial differential equations of higher order. p.720.

Buravs'kyi, IE.S. - Bilateral approximations of eigenfunctions of a problem related to a pair of quasi-differential operators with a parameter under boundary value conditions. p.726.

Tuan, Vu - Theory of linear differential equations of the n-th order with periodic coefficients. p 728.

Verlan', A F - Determining the frequencies of natural vibrations by means of electronic models p 733.

Honcharenko, V M. - Determining the mean time of the boom from a cylindrical panel under random pressure. p.736.

Didkovs'kyi, M.M., Pozniaia, N.H. - Experimental study of the tangential stress along the bottom in a section where the stream widens. p.739.

Chernyshova, K I. - Device for determining the lateral pressure of the soil on a retaining wall. p.744.

Bars'ka, S IA., Slezinger, I.N. - Buckling of the surface layer of a circular cylinder under strong axisymmetric heating. p.749.

Pelepelin, V.M. - Effect of plastic deformation on certain properties of the VK-15 powdered metal alloy. p.753

Mikhailovs'kyi, V.M., Pervushyn, V.M., TSykhan, O.I. - Acoustic methods of mine geophysical prospecting. p.757

IAkovkin, A.O., Duma, D.P - Orientation of fundamental catalogs based on lunar observations. p.761.

Miliakh, O.M., Shidlovs'kyi, A.K. - Reciprocity of the single-phase equivalent of a three-phase symmetrical circuit. p.765.

Hrozin, B.D., and others. - Effect of the mass of the manufactured object on the physical state of the surface layers of the metal in repeated grinding. p.769.

Kuz'menko, V.O. - Relaxation theory of energy scattering in materials during cyclic deformations p.773.

Rustamov, M.I. - Wear resistance of automatic hard facing during sliding friction. p.778.

Dolzhenkov, I.E. - Decrease of plasticity in carbon steel on testing it in the temperature range of 20 to 700°C. p.782.

Ponomarenko, A A. - Direct substitution of the nitro group in aromatic nitro compounds by chlorine with the aid of chlorine-containing carbon compounds. p.787.

Khlebnikova, V.M., Morozov, V.P - Application of the method of spectroscopic masses for the calculation of the force constants of pyramidal hydrides. p.790.

Borisov, G.P. - Thermal expansion of molding core sand mixtures with soluble glass. p.792.

Bratushko, IU.I., Lutsiuk, T.B., Nazarenko, IU.P. - Determination of the conductivity of chloropentammine chromichlorides. p.795.

Uskov, I.O., and others. - Reinforcement of capron fiber by means of modified bentonite. p.798.

Palfii, F.IU., Livak, I.I. - Effect of corn silage enriched with sulfur containing amino acids on the concentration of vitamins B_1 and B_{12} in the rumen and blood of cattle. p.802.

Povarennykh, O.S. - Formulas for the calculation of the specific gravity of crystals of the AX_2 type. p.805.

Kliushnykov, M.M., Zelins'ka, V.O. - Volume of the Kiev and Kharkov series in the boundaries of the Ukrainian Crystalline Shield. p.808.

Lazarenko, E.O. - Two genetic types of secondary quartzites. p.811.

Plaksa, IA.P. - Presence of free quartz in the rocks of a producing layer in the Carboniferous deposits of the Lvov-Volyn coal basin. p.814.

Hurzhii, D.V. - Lithological characteristics of the Sarmatian sediments in the internal zone of the cis-Carpathian trough. p.819.

Present state and future development of scientific research on the theory of chemical structure, kinetics and reactivity. p.822.

From the activities of the scientific council in the field of the laws of the development of national languages in relation to the development of socialist nations. p.823.

Development of virological research in the institutions of the Academy of Sciences of the Ukrainian S.S.R. p.824.

Changes in the structure of the Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R. p.825.

Prizes for the designing and introduction of new technics. p.826.

Oliinyk, L.V. - "Conditions and struggle of the laboring class of the Ukraine from 1860 to 1890" by O.A.Parasun'ko. p.827.

New books. p.830.

[illegible] ER-
[illegible] en-
[illegible]
[illegible]
[illegible]
[illegible] p.
[illegible] ch
[illegible]
[illegible] n
[illegible] p.

Lopatin, I.K. - Entomofauna and ecologic groups of insects in hardwood forests of the Gissar and Darvaza Ranges. p.31.

Lopatin, I.K. - Fauna of leaf beetles (Coleoptera, Chrysomelidae) of the Gissar Range. p.39.

Borovkov, E.A. - Entomophagous parasites of scale insects in Tajikistan. p.47.

Bubnov, V.D. - Influence of the increase of central nervous system tonus on the "goitrogenic" effect of methylthiouracil. p.53.

Bubnov, V.D. - Thyrotropic reaction under the conditions of increased tonus of the central nervous system by caffeine. p.63.

Shukurov, A.Sh. - Effect of Lagochilus preparation on the motor function of the stomach and small intestine. p.69.

Akul'shina, N.P. - Effect of the combination and distribution of the components of grassland mixtures on some of their biological properties and yield. p.73.

Kukhtikov, M.M. - Tectonic regionalization of the Pamirs in the Alpine structure. p.99.

Proskurko, A.I. - Genesis of regenerated ore deposits. p.125.

Poletaev, I.K. - Chemical investigation of water extracts and underground waters of the Bakhsh Valley. p.137.

EESTI LOODUS [ESTONIAN NATURE] Issued by Eesti NSV Teaduste Akadeemia [Academy of Sciences of the Estonian S.S.R.] Tallinn, no.4, July-Aug 1964 [In Estonian]

FAN VA TURMUSH [SCIENCE AND LIFE] Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.] Tashkent, nos 5(87)-6(88), May-June 1964. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politiniu ir mokslinių žinių skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no 6(81), June 1964. [In Lithuanian]

NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued by Vsesoiuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol.30, nos.5-7, May-July 1964.

NAUKA I ZHYTTIA [SCIENCE AND LIFE]. Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol.14, nos.6(159)-7(160), June-July 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia A: Matematika, mekhanika, astronomiia, geofizika, fizika, khimiia, geologiia, fizicheskaia geografiia [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol.17, nos.6-7, June-July 1964.

OKHRANA PRIRODY NA URALE [CONSERVATION IN THE URAL MOUNTAIN REGION]. Issued by Komissiia po okhrane prirody Ural'skogo filiala Akademii nauk SSSR [Committee on Conservation of the Ural Branch of the Academy of Sciences of the U.S.S.R.]. Sverdlovsk, no.2, 1961.

Table of contents translated:

From the editor. p.3.

Kolesnikov, B.P., and others. - Problems of the conservation of nature and the rational use of Kama Valley natural resources. p.5.

Sharts, A.K. - V.I. Lenin on the conservation of natural resources. p.17.

Korobkov, I.M. - Let's give more attention to the conservation of the Perm Province water reservoirs. p.23.

Kunina, L.A. - Purification of industrial sewage in Chelyabinsk Province. p.27.

Balabanova, Z.M. - Development of the water habitat in the Volchikha reservoir at the first fill-in stage in connection with pollution by industrial sewage. p.31.

Maksimovich, G.A. - Chemical composition of atmospheric precipitation in Perm and the control of the pollution of the atmosphere. p.45.

Tarchevskii, V.V. - Observations on the revegetation of dust producing industrial waste areas in Sverdlovsk Province. p.51.

Deksbakh, N.K., Mel'chakov, L.F. - Conservation of nature in the health resorts of Sverdlovsk Province, based on the resort Kur'y. p.59.

Kerzhentsev, N.I., IUrgenson, E.I. - Conservation of forests as an important link in the conservation of Kama Valley natural resources. p.67.

Glumov, G.A., Petukhov, IU.M. - Conservation of suburban forests in Perm Province. p.77.

[illegible], I.A., Pet[illegible]nko, T.M. - Let's preserve [illegible] trees in the vicinity [illegible].
[illegible], N.IA. - Let's make better use and take better care of the [illegible] and hazel thickets [illegible] Urals. [illegible]
[illegible], G.I. - [illegible] of apple trees for the re[illegible] areas in the Cis-Urals. [illegible]
[illegible], E.F. - Some data on the distribution of [illegible] plants in the northwest of [illegible] Province. p.107.
[illegible], P. - Distribution and preservation of [illegible] in Perm Province. p.111
[illegible], V.S. - Muskrats within the city boundaries of [illegible]. p.121.
[illegible], P.P. - Materials for an inventory of natural [illegible] that need conservation in the Urals. p.123.
[illegible], Z.M., Zharikov, S.S., Troitskaia, V.I. - Lakes of the Ural Mountains that need to be preserved and declared natural monuments. p.131.
Mak[illegible], G.A. - Main problems of earth crust [illegible] and sites in the Urals. p.135.
Gekker, R.F. - Bioherms of the Permian age on the Sylva River. p.145.
R[illegible], N.N. - Botanical characteristics of the land above the Kungur ice cave. p.155.
[illegible], N.K. - Conservation of natural resources and small reservoirs near large cities and industrial centers of Sverdlovsk Province. p.161.
V.V.Epshtein (1902 - 1960). p.163.
Brief news.
Kolesnikov, B.P., Sharts, A.K. - Second conference on the conservation of natural resources of the Urals. p.167.
Kershentseva, G.N. - Work of the Perm Province Section of Russian Society for Promotion of Conservation of Nature. p.171.
Tarchevskii, V.V. - Work of the Council of the Sverdlovsk Province Section of the Russian Society for Promotion of Conservation and Landscaping of Populated Places in 1960. p.173.
Kershentseva, G. - At the technical board of the Perm Province Economic Council. p.175.

[MICROFILM]

PRIRODA [NATURE] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, Vol.53, no 7, 1964

Table of contents translated:
Grin, M F - Looking at the map of the U.S.S R.; inexhaustible mineral wealth p 2.
Shchelkin, K I - Detonation (to be continued). p.14
Palladin, A V - Proteins of the nervous system. p 24
Brief notes on books pp 31, 38, 44, 72, 86, 94.
Neiman, M B - *Lengthening the life of polymers.* p 32
Massimov, V.I - Mystery of lysozyme. p.39
Darevskii, I S - Unisexual propagation of reptiles p 45
Dzens-Litovskii, A I. - Artificial reservoirs of underground water p 54
Dem'ianov, V D - Reclamation of mountain slopes. p 58
Karnaukhov, V A., Ter-Akopian, G.M. - Proton decay of radioactive nuclei. p.60
Lebedeva, L S. - "Radiotelemetering" marking of animals. p.64.
Heat balance of the globe. p.68.
Shemanskii, IU A - *Electric fishing* p 69.
Reva, M L - In the Kamenka Valley, the dendrological part "Sofieyvka." p.73
Massaev, K V - When octopuses are taught "geometry." p.76.
Il'ichev, V D. - Birds and sounds p 80.
Barinov, G V - Radioactive isotopes and algae. p 82
Vladimirov, S.V. - Desalinization of sea water. p.83.
Bernshtein, L B - Tidal energy calculations, spurious and real. p.84
Rybin, A I - Causes of earth crust movements; deep lying gravitational tectogenesis. p.87.
Losev, K S. - International hydrological decade. p 91
Brodetskii, V I - Peru Current. p.92.
Frolov, IU.P. - Heroism of a scientist, in memory of Norbert Wiener. p.95.
Fedin, IA IA. - Immortal legacy of a French atheist: Jean Meslier and his "testament." p.99.
Mobilization of molybdenum. p.102.
Cherniak, A.IA. - New documents on a great crystallographer, Academician E.S.Fedorov and Granat's "Encyclopedical dictionary." p.103.
Dina, N A. - Nile River is dammed. p.105.
Belokon', V.A. - New "strange" particle. p.105.
Korets, M A. - Will we be able to detect gravity waves. p.106.
National atlas of Czechoslovakia. p.106.
Petroleum from under the ice. p.107.
Hyperstars are in the center of attention. p.108.
Transistor thermometer. p.108.
Gaposhkin, S.I. - Fish as astronomer. p.109.
Kirpichnikov, A.A. - Oceanographic center in Venice. p.109.
Popov, E.G - Landslide on the Zeravshan River. p 111
Arendt, IU.A - Five thousand calyces of fossil sea lilies. p 111.
Mirzaev, K.I. - River left its valley. p.113.
Koren'kov, V.A. - Artificial delay of ice run on the Yenisey River. p 115.
Khodyrev, N.A. - Erosion forms of the seashore in Georgia. p.115
Savarenskii, E.F., Fedorov, S.A. - Earthquake in Alaska. p.116.
After the dinosaurs. p.117.
Sukhov, A.D - Philosophy of biology, collection "Essay on the dialectics of living nature " p.118.
Perel', IU G. - Popular science literature on astronomy; survey of 1962-1964 publications. p.119.
Astapovich, I.S. - Enthusiasts of science; "Problem of the Tunguska meteorite." p.121.
Kostrin, K.V. - Ants as the defenders of forests; bibliography of G.Gotti on red ants. p.122.
Kucherov, E V., Fedorako, B.I. - Trout in Bashkiria. p.124.
Fatikov, R F. - Calamites. p.125.
Batiaeva, T.F., Sidochenko, T.V. - Belated spring of 1964. p.126.

REFERATIVNYI ZHURNAL· KIBERNETIKA [JOURNAL OF ABSTRACTS· CYBERNETICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, June 1964.

VOPROSY ISTORII ESTESTVOZNANIIA I TEKHNIKI [PROBLEMS OF THE HISTORY OF NATURAL SCIENCES AND TECHNOLOGY]. Issued by Institut istorii estestvoznaniia i tekhniki Akademii nauk SSSR [Institute of the History of Natural Sciences and Technology of the Academy of Sciences of the U.S.S.R.]. Moscow, no.14, 1963.

Table of contents translated:
Emanuel', N.M. - Chemical kinetics and the outlook for its development in the 20th century. p.3.
Vorob'ev, A.A. - Development of the idea of impact ionization in solid dielectrics and semiconductors. p.37.
Frankfurt, U.I. - Helmholtz's electrodynamics and *its evolution.* p.49.
Samsonov, G.V. - Basic trends in the development of technical sciences in the Ukraine. p.56.
Ovcharenko, F.D. - State of the chemical science in the Ukraine. p.61.
Sadykov, A.S. - Ways of the development of natural and technical sciences in Uzbekistan. p.66.
Paplauskas, A.B. - History of trigonometric series. p.72.
Nagirner, B.E. - Election of D.I.Mendeleev and S.Cannizzaro as honorary members of the Kazan University. p.75.
Luk'ianov, P.M. - From D.I.Mendeleev's unpublished correspondence. p.76.
Alekseev, A.I. - D.I.Mendeleev's unpublished letter about the lighting of beacons. p.78.
Nagirner, B.E. - New data on A.M.Butlerov's life and activity in Kazan. p.79.
Solov'ev, IU.I. - Unpublished letters from H.Sainte-Claire Deville to B.S.IAkobi. p.82.
Rubailova, N.G. - Centennial of Darwin's Theory of Evolution (from foreign editions 1958-1961).
Person, S.A. - Correspondence between Charles Darwin and F.P.Keppen. p.91.
Budylina, M.V. - Descartes' autograph in the State Historical Museum. p.95.
Zubov, V.P. - A poetic comparison by M.V.Lomonosov. p.97.
Beliaev, A.I. - 50th anniversary of P.P.Fedot'ev and V.P.Il'inskii's work "Experimental investigation on aluminum electrometallurgy." p.98.
Chizhov, V.A., Pazukhin, V.A., Akopova, M.G. - Composition of ancient bronzes. p.105.
Stoskova, N.N. - Foundation of the Tula Gun Plant. p.106.
Alekseev, V.V. - The first hydroelectric power stations *in Siberia.* p.109.
Laman, N.K. - History of metal-drawing procedures. p.111.
Pal'nikov, M.P. - Development of airplane piston engines. p.117.
Khalpakhch'ian, O.Kh. - Swinging pillar in Tatev. p.127.
Lezhneva, O.A. - B.B.Golitsyn(on the centenary of his birth). p.128.
Rozenfel'd, B.A. - Maurice d'Ocagne (on the centenary of his birth). *p.130.*
Kulikovskii, P.G. - S.P.Glazenap (on the 25th anniversary of his death). p.132.
Luk'ianov, P.M. - Ascanio Sobrero (on the 150th anniversary of his birth). p.134.
Musabekov, IU.S. - K.A.Krasuskii (on the 25th anniversary of his death). p.135.
Solov'ev, IU.I., Skuratov, S.M. - P.V.Zubov (on the centenary of his birth). p.137.
Burkhanov, V.F. - Fridtjof Nansen (on the centenary of his birth). p.141.
Radovskii, M.I. - M.A.Shatelen. p.145.
Radovskii, M.I. - V.K.Lebedinskii (on the 25th anniversary of his death). p.148.
IArotskii, A.V. - P.L.Shilling (on the 125th anniversary of his death). p.150.
Barbashov, N.I. - P.F.Papkovich (on the 75th anniversary of his birth). p.152.
Znamenskii, G.A. - Wilbur Wright (on the 50th anniversary of his death). p.153.
IUshkevich, A.P. - "The history of the calculus and its conceptual development" [in English] by Carl B. Boyer. p.156.
Pogrebysskii, I.B. - "Brief history of mathematics" *[in German] by Dirk J.Struik.* p.159.
"Pedagogical heritage; documents on life and activity by M.V.Ostrogradskii. p.161
"Niels Henrik Abel, mathematician extraordinary" *by O.Ore.* p.163.
"History of physics and technology" by P.S.Kudriavtsev, I.IA.Konfederatov. p.164.
Zubov, V.P. - "Scientific and technical designs" *[in French] by Leonardo da Vinci.* p.166.
Zubov, V.P. - "The scientific Renaissance" [in English] by M.Boas. p.166.
Zubov, V.P. - "Andreas Vesalius' preface to his books on anatomy with a letter to Johannes Oporinus" [in French] Introduction, original text, translation and comments by Louis Bakelants. p.167.
Kurochkin, G.D. - "History of geological surveys in the Donets Coal Basin" by E.O.Novik, V.V.Permiakov, E.E.Kovalenko. p.169.
Blakher, L.IA. - "A.O.Kovalevskii and neurenteric canal" [in English] by Edward B.D.Neuhauser, Herbert J.Kaufmann. p.169.
Milenushkin, IU.I. - "I.I.Mechnikov's manuscripts in the archives of the Academy of Sciences of the U.S.S.R.;" "I.I.Mechnikov's manuscript and documentary materials." p.170.
Kanaev, I.I. - "J.P.Tournefort;" collected articles [in French]. p.172.
Bol'kind, L.D. - "Agricola on metals" [in English] by Bern Dibner. p.172.
Zhavoronkova, I.P. - "History of technology in the Latvian S.S.R"; collected articles. p.173.
Kuzin, A.A. - From historical journals. p.175.
New books on the history of natural sciences and technology. p.176.
New foreign books. p.177.
Grigor'ian, A.T., and others. - The Tenth International Congress on the History of Sciences. p.180.
Scientific conference on the history of natural sciences and technology. p.186.
Plotkin, S.IA. - Problems in the history of technology. p.190.
Scientific conference on the history of chemistry. *p.192.*
Stoskova, N.N. - 250th anniversary of the Tula Gun *Plant.* p.192.
Lezhneva, O.A. - Meeting dedicated to P.N.Lebedev. p.193.
Cherniak, A.IA. - Centenary of the V.I.Lenin's State *Library of the U.S.S.R.* p.193.
Chirkova, L.P. - At the Central Polytechnical Library. p.198.
Senchenkova, E.M. - 150th anniversary of the Nikita *Botanical Garden.* p.199.
IArotskii, A.V. - 90th anniversary of the polytechnical Museum. p.200.
Merkulov, I.A. - First investigations of K.E.Tsiolkovskii's disciples. p.200.
Baranov, A.IA. - 30th anniversary of the Ural Copper Works. p.201.
Laman, N.K. - Centenary of continuous metal rolling. p.201.
In the Soviet National Association of Historians of Natural Sciences and *Technology.* p.202.
Batiushkova, I.V. - In the Section of the History of Geological and Geographical Sciences. p.202.
In the Section of the History of Aeronautics and the History of Physical and Mathematical Sciences. p.203.
IAkubova, E.N. - In the Section of the History of *Medicine* and Pharmacology. p.203.
Anisimov, IU.A. - In the Ukrainian Branch. p.204.
Stradyn', IA.P. - Study of the history of science in Latvia. p.204.
Naumov, G.V. - "History of Siberia." p.206.
Coordination of the plan of works on the history of science. p.206.
Study of the history of powder metallurgy. p.206.
Smirnov, V. - Works on the history of pedagogy. p.207.

Plenum of the Committee on the History of Astronomy. p. 207.
Kemchinov, V. P. - In memory of W. W. Campbell. p. 208.
In the scientific council of the Institute. p. 208.
Foreign news (symposium on the history of science in India; seminar on the history and philosophy of science at Washington University). p. 209.
Zubov, V. P. - Italian Institute of the History of Technology. p. 210.
Chernov, G. N., Bliakher, L. IA. - P. A. Baranov; obituary. p. 211.
Mandryka, A. P. - B. N. Okunev; obituary. p. 212.
Gaiduk, IU. M. - Frantisek Balada; obituary. p. 217.
H. W. Turnbull (1885-1961). p. 218.
V. P. Zubov; obituary. p. 218.
Pospekhov, D. A. - Letter to the editor. p. 219.

No. 15, 1963.
Table of contents translated:
Kuznetsov, V. I. - Some general trends in the development of chemistry. p. 3.
Faershtein, M. G. - Classical doctrine on molecule. p. 9.
Zhdanov, IU. A. - Emergence of bio-organic chemistry as a result of the differentiation of chemical science. p. 16.
Bykov, G. V. - History of the discovery of electron. p. 25.
Sretenskii, L. N. - Henri Poincaré's creative work; on the 50th anniversary of his death. p. 30.
Korolev, F. A. - P. N. Lebedev's discoveries and their significance for modern physics; on the 50th anniversary of his death. p. 47.
Ronchi, V. - Kepler's optics and Newton's optics. p. 58.
Tikhomirov, V. V. - Basic trends of the development of geology in Russia in the first half of the 19th century. p. 67.
Ostol'skii, V. I. - Place of the history of natural sciences and technology in the system of historical sciences. p. 75.
Slavenas, P. V. - Development of science in Lithuania. p. 82.
Umarov, S. U. - Development of science in Tajikistan. p. 86.
Kol'man, E. - Ruger Boscovich and the problem of the infinity. p. 92.
Sokolov, V. A. - History of the studies of physical properties of dielectrics. p. 96.
Zhukov, P. I. - B. B. Golitsyn's first works on seismometry. p. 101.
Bierman, K. R. - Conjectural methods of Greek combinatorial analysis. p. 103.
Petrosian, G. B., Abramian, A. G. - New revealed Armenian text of the Euclid's geometry. p. 105.
Rodnyi, N. I. - Theory of the rates of photochemical reactions; on the 50th anniversary of M. Bodenstein's work. p. 111.
Averbukh, A. IA., Luk'ianov, P. M. - Organization of nitrocellulose production by D. I. Mendeleev. p. 114.
Averbukh, A. IA. - N. N. Zinin's works on nitroglycerine. p. 119.
Batalin, A. Kh. - First conference and the first congress of Russian analytical chemists. p. 121.
Anisimov, IU. A. - New materials on V. I. Vernadskii's biography. p. 122.
Bliakher, L. IA. - Konstantin Nikolaevich Davydov. p. 123.
Luk'ianov, P. M. - About the first Russian aluminum plant. p. 127.
Rat'kina, A. P. - New materials on the history of mining machinery. p. 128.
Savel'ev, N. IA. - I. I. Polzunov's determination of the magnitude of atmospheric pressure; on the bicentenary of the design of the "fire machine". p. 132.
Troshin, A. K. - Nazarovs' oil field at the Dzhusa river. p. 134.
Frankfurt, U. I. - Blaise Pascal; on the tricentenary of his birth. p. 137.
Grigor'ian, A. T., Kudriavtsev, P. S. - Max Born (on the 80th anniversary of his birth). p. 141.
Nadzhakov, G. - Outstanding scientist P. I. Bakhmet'ev (on the 50th anniversary of his death). p. 145.
Rozentretor, B. A. - Outstanding scientist and mining engineer B. I. Bokii (on the 90th anniversary of his birth). p. 146.
Simonov, N. I. - "Integral calculus" by L. Euler. p. 152.
IUshkevich, A. P. - "Mathematical handbook" [in Italian] by Giuseppe Peano. p. 155.
IUshkevich, A. P. - "From Egyptian geometry to modern mathematics" [in Italian] by Ugo Cassina. p. 155.
Rozenfel'd, B. A. - "History of the mathematics of Central Asia in the 9th to the 15th centuries" by G. P. Matvievskaia. p. 156.
Bakhmutskaia, E. IA. - "Collected articles on the history of mathematics" vol. 1-2. p. 157.
Frankfurt, U. I. - "Selected works and lectures" [in German] by Max von Laue. p. 158.
Lezhneva, O. A. - "History of Physics" [in Italian] by Mario Gliozzi. p. 161.
Zubov, V. P. - "Development of ideas on the universe" by IU. G. Perel'. p. 162.
Figurovskii, N. A. - "Ar-Razi's unknown work "Book of the mystery of mysteries" by U. I. Karimov. p. 163.
Zviagintsev, O. E. - "Jacob Berzelius; his life and activities" by IU. I. Solov'ev, V. I. Kurinnoi. p. 165.
Zviagintsev, O. E. - "German Ivanovich Gess" by IU. I. Solov'ev. p. 166.
Pospekhov, D. A. - "Basic ways of the development of general, inorganic and physical chemistry in the Ukraine" by IA. I. Turchenko. p. 167.
Naumov, G. V. - "Exploratory exhibition through Siberia in 1720-1727" [in German] by D. G. Messerschmidt. p. 168.
Batiushkova, I. V. - "Feodosii Nikolaevich Chernyshov" by IU. O. Anisimov. p. 169.
Zubov, V. P. - "Lectures on the whole of anatomy" [in English] by W. Harvey. p. 169.
Zubov, V. P. - "History of zoology; from the origins to Linné" by Georges Petit, Jean Théodorides. p. 170.
Svechin, K. B. - "History of the study of ontogenesis of agricultural animals in Russia" by E. N. Mirzoian. p. 170.
Kol'man, E. - "History of exact sciences in Czech lands till the end of the 19th century" [in Czech] by J. Folta and others. p. 171.
Mitiaev, K. G. - "Fundamentals of the history of technology" by S. V. Shukhardin. p. 172.
Radovskii, M. I. - "Evgenii Pavlovich Tveritinov" by L. D. Bel'kind, A. N. Mokeev, A. E. Tveritinov. p. 174.
Portnov, I. M. - "History of aeronautics and aviation in the U. S. S. R." by P. D. Duz'. p. 175.
Eitmanaviciene, N. - "History of science in Lithuania." p. 178.
IUshkevich, A. P. - "History of science; an annual review of literature, research and teaching" [in English]. p. 178.
Zubov, V. P. - "Scientific medieval manuscripts of the Salamanca University and its major colleges." [in French] by G. Beaujouan. p. 179.
Content of foreign periodicals on the history of natural sciences and technology. p. 179.
New books on the history of natural sciences and technology. p. 181.
New foreign books. p. 182.
Presidium of the Academy of Sciences of the U. S. S. R. on the activities of the Institute of the History of Natural Sciences and Technology. p. 184.
In the Soviet National Association of Historians of Natural Sciences and Technology. p. 185.
Stradyn', IA. P. - Fourth Interrepublic Conference on the History of Science in the Baltic region. p. 186.
Eitmanaviciene, N. - Works on the history of natural sciences and technology in Lithuania. p. 190.
Miursepp, P. V. - Work on the history of science in Estonia. p. 190.
Grinberg, I. P. - Conference of the historians of natural sciences and technology of Moldavia. p. 191.
Razumovskii, V. V. - In the Section of the History of Chemistry of the Leningrad Branch of the All-Union Chemical Society. p. 192.
Raskin, N. M., Kniazev, G. A. - In the archives of the Academy of Sciences of the U. S. S. R. p. 192.
El'kin, G. IU. - In the State Historical Museum. p. 193.
Tol'tevskii, P. A. - Works on the theory and history of construction and architecture of the U. S. S. R. p. 194.
Vorob'ev, V. V. - History of geographical discoveries of Siberia and the Far East. p. 195.
Bel'kind, L. D. - In the Moscow Polytechnical Museum. p. 196.
Garmash, N. Z. - Studies of the history of technology in the Donets Basin. p. 196.
Chernov memorial lectures. p. 197.
Plotkin, S. IA. - Coordination of scientific works. p. 198.
IUshkevich, A. P. - Blaise Pascal memorial exhibition in Paris. p. 198.
Hofmann, J. E. - The seventh historical mathematical colloquium at the Mathematical Research Institute in Oberwolfach, Schwarzwald. p. 199.
Meeting dedicated to the 450th anniversary of the birth of G. Mercator. p. 200.
Scientific conferences at the Institute of the History of Natural Sciences and Technology in 1962; p. 201.
In the Scientific Council of the Institute of the History of Natural Sciences and Technology. p. 202.
Ostol'skii, V. I., Chekanov, A. A. - N. N. Rubtsov; obituary. p. 202.
N. I. Barbashev; obituary. p. 203.

No. 16, 1964.
Table of contents translated;
Galilei, G. - Message from the stars. p. 3.
Einstein, A. - About Galilei and his "Dialogue." p. 29.
Pogrebysskii, I. B. - Galilei and mathematics. p. 34.
Zubov, V. P. - Galilei's atomistic conceptions. p. 38.
Idel'son, N. I. - Galilei in the history of astronomy. p. 52.
Miridonova, O. P. - The first steps of physical acoustics in Galilei's and Mersenne's works. p. 85.
Zhigalova, L. V. - First references to Galilei in the Russian scientific literature. p. 91.
Maistrov, L. E. - Elements of the theory of probability in Galilei's works. p. 94.
Ronchi, V. - Effect of the 17th century optics on the general development of science and philosophy. p. 99.
Fleckenstein, O. - From the "new science" of the Renaissance to the "new method" of the Baroque. p. 108.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no 8, 1964.

b ASTRONOMY

AKADEMIIA NAUK SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabliudeniia iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U. S. S. R. Astronomical Council. Bulletin of the Stations of Optical Observation of Artificial Earth Satellites]. Moscow, no. 32, 1963.
Table of contents translated:
Firago, B. A. - Ephemeris precalculation of the angular velocity of an earth satellite. p. 3.
Firago, B. A., Medvedeva, L. I. - Calculation of the topocentric distances of artificial earth satellites. p. 7.
Kiselev, A. A. - Using the equalizing observations method for evaluating the precision of the position of an artificial earth satellite. p. 16.
Chebotarev, G. A., Makarova, E. N. - Preliminary orbital elements of the first Soviet spaceship (1960 ε_2) for July 1961-August 1962. p. 24.
Chebotarev, G. A., Makarova, E. N. - Preliminary average orbital elements of the cabin of the first Soviet spaceship (1960 ε_3) for June-September, 1962. p. 27.
Sochilina, A. S. - Determining orbital elements of the satellite 1956 δ_1, by photographic observations. p. 29.
Tumanian, B. E. - Results of photographic observations of artificial earth satellites. Erivan Station of Observations of Artificial Earth Satellites (1960 ι_1). p. 31.
Tumanian, B. E. - Erivan Station of Observations of Artificial Earth Satellites (1960 ε_3, 1960 ε_2). p. 33.
Krylov, A. G., and others. - Station of the Astronomical Council of the Academy of Sciences of the U. S. S. R. (1960 ι_1). p. 33.
Krylov, A. G., and others. - Station of the Astronomical Council of the Academy of Sciences of the U. S. S. R. (1960 ι_1). p. 37.
Belenko, V. I., and others. - Station of the Astronomical Council of the Academy of Sciences of the U. S. S. R. (1961 ε_1, 1961 α_1, 1961 π_1 1960 ξ_1 1960 ι_1). p. 43.
Shilkina, Z. S., IUrevich, V. A. - Station of the Astronomical Council of the Acacdmey of Sciences of the U. S. S. R. (1960 ε_3, 1960 δ_1 1960 ι_1). p. 47.
Results of photographic observations of the "Echo-1" 1960 ι_1, satellite at the Purple Mountain Observatory of the Academy of Sciences of the Chinese People's Republic. p. 48.

No. 33, 1963.
Table of contents translated:
Logvinenko, A. A., Fridel', IU. V. - Automatic time service. p. 3.
Vlasov, B. I., Zhestkov, A. G. - Selecting an optical system for observations of artificial earth satellites for timing purposes. p. 6.
Ivanov, A. F., Petriakov, A. M. - Device for indicating separate prints on a recording chronograph. p. 11.
Logvinenko, A. A. - Simple method for determining the lagging of a recording chronograph. p. 13.
Firago, B. A. - Using doubled and tripled recording chronographs. p. 14.
Firago, B. A. - Using a uniform time scale in controlling and determining the lagging of a recording chronograph. p. 17.
Kasimenko, T. V. - Conference of representatives of socialist countries on photographic methods of observations of artificial earth satellites. p. 19.
Syshchenko, T. E., Panaiotov, L. A. - Positions of Soviet artificial earth satellites (1960 ε_2 and 1960 ε_3) in 1961-1962 obtained from photographs with a sliding-film camera in Pulkovo. p. 20.

[illegible] P. T. - [illegible] Station at the [illegible] University ([illegible]). p. 2[illegible].
[illegible] M. B. - [illegible] Station for the Observation of Artificial Earth Satellites (1960 [illegible]). p. 26.
[illegible] - The [illegible]gorod Station of the Astronomical [illegible] of the Academy of Sciences [illegible] (19[illegible]). p. 29.
M[illegible], V. M. - [illegible] Station for the Observation of Artificial Earth Satellites (1960 [illegible]). p. 31.

[illegible] ISSLEDOVANIIA [SPACE RESEARCH] [illegible] [ACADEMY OF SCIENCES OF THE U.S.S.R.] Moscow, vol 2, no 3, May-June 1964
Table of contents translated
[illegible] p. 335.
[illegible], V. V., [illegible], V. A. - Interplanetary [illegible] constant power. p. 3[illegible]
[illegible], V. V., [illegible], V. A. - Acceleration of a [illegible] apparatus within the sphere of attraction of a planet. p. 392.
[illegible], V. V. - Trajectories of cosmic flights with [illegible] acceleration. p. 408.
[illegible], V. V., Shalaev, IU. V. - [illegible] trajectories and optimal parameters of [illegible] apparatus with motors of limited power. p. 414
[illegible], Shalaev, IU. V. - Use of the steepest descent method in the calculation of interorbital trajectories in the case of motors of limited power. p. 433.
[illegible], I. M., and others. - Radiant heating in a hypersonic flow. p. 441.
[illegible], E. M. - Optical properties of clouds. p. 4[illegible].
Mar[illegible], G. I. - Equation determining the importance of information obtained from meteorological satellites and the formulation of inverse problems. p. 462.
[illegible], A. D. - Analytic representation of the earth's magnetic field in an orbital coordinate system. p. 478.
Vernov, S. N., and others. - Geographic distribution of radiation intensity in the region of the Brazilian magnetic anomaly at an altitude of about 300 km. p. 485.
Vernov, S. N., and others. - Study of the earth's radiation belts in the region of the Brazilian magnetic anomaly at altitudes between 235 and 345 km. p. 492.
D[illegible], A. G. - Exchangeability of atmospheric nitrogen by helium in cabins of cosmic vehicles and the efficiency of a helium - oxygen mixture in the ventilation of space suits. p. 498.

REFERATIVNYI ZHURNAL ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS ASTRONOMY (Separate Issue 51)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 7, July 1964

REFERATIVNYI ZHURNAL GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS GEODESY (Separate Issue 52)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 7, July 1964

REFERATIVNYI ZHURNAL ISSLEDOVANIE KOSMICHESKOGO PROSTRANSTVA (Otdel'nyi vypusk 62) [JOURNAL OF ABSTRACTS SPACE RESEARCH (Separate Issue 62)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos 6-7, June-July 1964

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aerofotos"emka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Geodesy and Aerial Photography]. Moscow, no. 6, 1963.
Table of contents translated:
Gan'shin, V. N. - Formulas for azimuths and lengths of geodesic lines whose ends lie on the same parallel. p. 3.
Litvinov, B. A. - Leveling of free traverse networks p. 5.
Razumov, O. S. - Possible use of a stationary artificial earth satellite for geodesic purposes. p. 15.
Kougiia, V. A. - Calculation of hyperbolic isoline nets by means of an electronic computer. p. 35.
[illegible], L. I. - Vertical accuracy of laying sewerage collector pipes. p. 45.
[illegible], V. P. - Zero-point method of range-finding with a SVV-1 geodimeter. p. 55.

Khalmov, Z. S. - Analysis of triangulation materials based on triangle errors of closure. p. 63.
Cherkoz'ianov, A. T. - Estimation of the accuracy of a chain of triangles between starting points in triangulation of higher order after adjustment by grid azimuths for coordinate conditions. p. 75.
Monin, I. F. - Theory of the regularized geoid. p. 91.
Argevich, V. I. - Ground stereoscopic photography of natural features according to plan. p. 95.
Lysenko, F. F. - Spatial phototriangulation from oblique aerial photographs using an electronic computer. p. 113.
Teterin, G. N. - Estimation of preparatory work, cycles, and the volume of topographic and surveying work in the field. p. 131.
Migal', N. K. - Comments on I. F. Monin's article "Method for studying the figure of the earth without recourse to the normal field." p. 141.
Nekrasova, K. F. - Six-language astronomical dictionary p. 145.
Author index. p. 146.

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Erivan, vol. 16, no. 2, Feb., 1963.
Table of contents translated:
For further development of biological science. p. 3.
Batikian, G. G., Cholakhian, D. P. - Effect of repeated pollination on the inheritance of characters in corn. p. 9.
Sarukhanian, F. G., Karapetian, I. O., Movsesian, G. P. - Species characteristics of yeast separated from spoiled wines. p. 23.
Avakian, V. M. - Pharmacological characteristics of xylocholine and bretylium, sympatholytic preparations of a new type of action. p. 31.
Samvelian, V. M. - Pharmacology of "etpenal." p. 41.
Markosian, L. V., Galstian, A. Sh. - Optimum pH of some soil hydrolases. p. 45.
Beglarian, N. P. - Recent data on the morphology of the inflorescence of the species Cosmea bippinatus under the influence of X rays. p. 53.
Kazarian, B. A. - Mechanism of the hyperglycemic action of γ-aminobutyric acid. p. 59.
Gizhlarian, M. S. - Determination of threshold concentrations of monovinylacetylene affecting the central nervous system of rabbits and white mice. p. 69.
Badalian, G. O. - Causes of the disturbance of bronchial patency in patients with insufficient blood circulation in the light of pharmacological test data. p. 77.
Kamalian, V. Sh. - Correlation between the degree of the maturity of spermatozoa and the sex of the progeny. p. 83.
Nikogosian, E. E. - Effect of some factors on the productivity of potato seedlings. p. 87.
Avetisian, V. E. - Some critical Cruciferae from southern Transcaucasia. p. 97.
Voskanian, V. E. - Seed germination of some Alpine plant species. p. 103.
Mulkidzhanian, IA. I. - "Atlas of descriptive morphology of higher plants; stem and roots" by Al. A. Fedorov, M. E., Kirpichnikov, Z. T. Artiushenko. p. 107.

Vol. 16, no. 9, Sep. 1963.
Table of contents translated:
Karapetian, S. K., Vartanian, V. A., Balasanian, R. G. - Improvement of the method of determining carotene in plants and feeds; p. 3.
Gambarian, M. E. - Role of biological processes in the contemporary oxygen balance in Lake Sevan. p. 7.
Samvelian, V. M. - Changes in the activity of local anesthesia under the influence of the active reaction of the medium. p. 17.
Oganesian, A. S. - Mechanism of the action of insulin. p. 23.
Saakian, S. G. - Chemical and amino acid composition of the meat of broiler chickens. p. 33.
Gevorkian, Dzh. A. - Some biochemical changes in chronic nephritis. p. 39.
Navasardian, A. A. - Effect of penicillin and streptomycin on the process of the formation of complement-fixing antibodies in brucellosis. p. 47.
Tumanian, E. L. - Distribution of succinic dehydrogenase in individual cell formations of the cutaneous and motor analyzers of the rabbit, cat and monkey. p. 55.
Ananian, A. A., Tarosova, E. O., Varosian, R. E. - Change in the biochemical indices of tomatoes as a result of vegetative hybridization. p. 65.
Gol'din, M. I., Budagian, E. G. - Effect of plant juice on the tobacco mosaic virus. p. 75.
Melkumian, I. S. - Antimicrobic activity of some representatives of the Armenian flora. p. 83.

Svadzhian, P. K., Vlaiulakova, V. N., Mardzhanian, K. S. - Copeognatha of the Armenian S.S.R. and methods of their laboratory maintenance. p. 83.
Davtian, G. S., Minasian, A. K., Babakhanian, M. A. - Utilization of the bactericidal action of erythemal lamps for sterilizing nutritional solutions in hydroponics. p. 95.

Vol. 17, no. 1, Jan 1964
Table of contents translated:
Gulkanian, V. O. - During twenty years. p 3
Avakian, V. M., Manukain, L. A., Mndzhoian, A. L. Relation between the chemical structure and antiarrhythmic effect in the series of dialkylaminoethlamides, morpholyl and piperidylpropylamides of r-alkylaminobenzoic acid. p 19.
Makarova, E. N., Ter-Karapetian, M. A. - Effect of group B vitamins on the free amino acids of some yeast species of the genus Candida. p 27.
Vlasenko, S. P., Shakhnazarian, E. L. - Effect of preliminary irradiation on the radioresistance of noninbred rats. p. 37.
Oganesian, N. M. - Behavior of radioactive sulfur in a chronic experiment. p. 41.
Nazarian, M. B. - Some morphophysiological and biochemical changes in reproductive and endocrine organs of birds after injury of the central nervous system. p. 47.
Agababian, V. Kh. - Evolution of pollen in the orders Cunoniales and Saxifragales as related to some problems of their taxonomy and phylogeny p 5[illegible]
Melikian, A. P. - Possibilities for using the characters of the spermoderm structure for the taxonomy of Nymphaeaceae. p. 73.
Airumian, K. A. - Growth and development of the game pheasant. p. 81.
Vardikian, S. A. - New species of measuring worms (Lepidoptera, Geometridae) in Armenia. p. 91.
Mutafian, E. M. - Megasporogenesis and the formation of the embryo sac in pepper. p. 95.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin. Series in Biological Sciences]. Frunze, vol. 6, no. 2, 1964.
Table of contents translated;
Volkova, A. A., Galiev, R. S. - Study of the sources of necrobacillary infection in nature. p. 5.
Timofeev, A. F. - Q rickettsiosis of sheep in Kirghizistan and the analysis of a complex method of diagnosing Q rickettsiosis and brucellosis by the complement fixation reaction. p. 17.
Aizin, B. M. - Some factors of geographical distribution of elementary foci and microfoci of plague in Kirghizistan. p. 31.
Grebeniuk, R. V., Sloshenko, V. M. - Pathogenic effect of ixodid tick bites on guinea pigs. p. 39.
Sartbaev, S. K. - Gamasid mites of Tien Shan Province. p. 43.
Sartbaev, S. K., Romasheva, L. F. - Ectoparasites in the nests of synanthropic birds. p. 49.
Grebeniuk, R. V., Kasiov, S. K. - Biology of the bird louse Menacanthus stramineus (Nitzsch) parasitic on gallinaceous birds. p. 59.
Romasheva, L. F., Sartbaev, S. K., Kasiov, S. K. - Nicochlorane in the control of ectoparasites of domestic birds. p. 71.
Iksanov, K. I. - System of Allocreadiidae and the comparative characteristics of the representatives of the genus Allocreadium. p. 77.
Chibichenko, N. T. - A short report on mollusks as intermediate hosts of helminths of water birds. p. 83.

AKADEMIIA NAUK SSSR. Institut tsitologii. Sbornik rabot [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Cytology. Papers]. Moscow, no. 3, 1963 Morfologiia i fiziologiia prosteishikh [Morphology and physiology of protozoans].
Table of contents translated:
Mashanskii, V. F. - Electron microscopic study of the macronuclei of certain infusorians. p. 3.
Kheisin, E. M. - Some data on the fine structure of the cortical components of Paramecium caudatum. p. 9.
Kheisin, E. M. - Electron microscopic study of the fibrillar structures in Mesnilella fastigata (Ciliata, Astomata). p. 15.
Mosevich, T. N. - Function of the endoplasmic reticulum in Colpidium colpoda. p. 18.
Raikov, I. B. - Nuclear apparatus and division of Remanella granulosa Kahl and Remanella rugosa Kahl (Holotricha, Gymnostomatida). p. 20.
Bobyleva, N. N. - Cytochemical study of different developmental stages of the gregarine Enterocystis ensis from Cloeon larvae (Ephemeroptera). p. 35.
Ovchinnikova, L. P., Selivanova, G. V., Kheisin, E. M. - Photocytometric study by the ultraviolet ray method of the effect of [illegible] DNA and RNA content [illegible] p. 4[illegible]
[illegible] P. [illegible] E. M. - Fluorescence [illegible] living Paramecium caudatum [illegible] conditions and during starvation.

Beier, T.V. - Susceptibility of different developmental stages of intestinal coccidia of rabbits to furacillin. p. 62.

Beier, T.V. - Changes in succinic dehydrogenase activity at various developmental stages of intestinal coccidia of rabbits due to the effect of furacillin p. 70.

Sukhanova, K.M. - Study of temperature adaptations and morphological characteristics of some Astomata species from the oligochetes of Eastern Murman. p. 75

Irilna, I.S. - Resistance of Paramecium caudatum previously adapted to different temperatures to the injurious action of salts p. 92.

Poliansklí, IU.I. - Dependence of glycogen and flat content in the cytoplasm of Paramecium caudatum on temperature. p. 102.

Seravin, L.N. - Role of the acethylcholine-cholinesterase system in the coordination of ciliary motion in infusoriams p. 111.

Koraleva, N.E. - Effect of the temperature factor on the DNA content in the macronucleus of Paramecium caudatum irradiated with X-rays p. 123

Koraleva, N.E. - Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays p. 133.

Samoilova, K.A., Ovchinnikova, L.P. - Effect of ultraviolet radiation on the content of nucleic acids in Paramecium caudatum. p. 145.

AKADEMIIA NAUK SSSR. Karel'skii filial, Petrozavodsk. Materialy po kompleksnomu izucheniiu Belogo moria [ACADEMY OF SCIENCES OF THE U.S.S.R. Karelian Branch. Data of an Over-All Study of the White Sea]. Moscow, no. 2, 1963.

Table of contents translated:

Foreword. p. 3.

Lobza, P.G. - Hydrochemical conditions in the Nyukhcha region and in Sorokskaya Bay during the summer season. p. 5.

Ivanova, S.S. - Zooplankton of the Chupa Inlet. p. 18.

Kuznetsov, V.V. - Time and temperature conditions of the reproduction of marine invertebrates. p. 32.

Rusanova, M.N. - Brief information on the biology of some mass species of invertebrates in the Mysa Kartesh region. p. 53.

Rusanova, M.N. - Biology and life cycle of Balanus balanoides Linne in the White Sea. p. 66.

Kuznetsov, V.V. - Biology and variability of Eualus gaimardi (Milne-Edwards). p. 77.

Mukhomediiarov, F.B. - Ichthyofauna of the Chupa Inlet. p. 90.

Altukhov, K.A. - Reproduction of herring in the Chupa Inlet of Kandalaksha Bay. p. 100.

Erastova, V.M. - Changes in the qualitative and quantitative composition of the spawning stock of herring in Onega Bay in 1953-1958. p. 114.

Altukhov, K.A. - Codfish of the Solovetskiye Islands. p. 119.

Mukhomediiarov, F.B. - Biology of and fishing for second-grade commercial fishes in the coastal waters of Karelia. p. 131.

Anukhina, A.M. - Codfish in the Karelian coastal waters of the White Sea. p. 144.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. TSentral'nyi sibirskii botanicheskii sad. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Central Siberian Botanical Garden. Transactions]. Novosibirsk, no. 6, 1963. Rastitel'nost' stepnoi i lesostepnoi zon Zapadnoi Sibiri; Novosibirskaia oblast' i Altaiskii krai [Vegetation of the steppe and forest-steppe zones of Western Siberia; Novosibirsk Province and the Altai Territory].

Table of contents translated:

Preface. p. 5.

Kuminova, A.V. - Basic patterns of the distribution of vegetation in the southeastern part of the West Siberian Plain. p. 7.

Kuminova, A.V., Vagina, T.V., Lapshina, E.I. - Phytogeographical zoning of the southeast of the West Siberian Plain. p. 35.

Lapshina, E.I. - Mapping of the forest-steppe vegetation of Western Siberia. p. 63.

Ronginskaia, A.V. - Steppes of the southeast of the West Siberian Plain. p. 77.

Lapshina, E.I. - Birch forests of the southeastern forest-steppe of Western Siberia. p. 103.

Pavlova, G.G. - Pine forests in the forest-steppe and steppe regions of the Ob' Valley. p. 131.

Vagina, T.A. - Saline meadows of Baraba and Kulunda and their origin. p. 163.

Volgina, K.P., Vagina, T.A. - Effect of the improvement of the Baraba saline meadows on changes in the chemical composition of forage grasses. p. 183.

Vandakurova, E.V. - Vegetation of the Solonetz-Solonchak complex of northern Kulunda, its condition and the methods for its efficient use and improvement. p. 188.

Pen'kovskaia, E.F. - Vegetation of the floodplain of the Ob' River. p. 211.

Pen'kovskaia, E.F. - Variability of meadow vegetation in the Kolyvan' area of the Ob' floodplain during a period of several years. p. 264

Pen'kovskaia, E.F. - Biological characteristics of some forage plants in the Ob' floodplain and their role in the structure of phytocenoses. p. 278.

Kuminova, A.V., Mitrofanova, M.P. - Dry meadows of the Ob' Valley. p. 285.

Logutenko, N.V. - Lowland meadows and grass marshes of the forest-steppe and steppe zones of the Altai Territory and Novosibirsk Province. p. 306.

Logutenko, N.V. - Materials on the study of marsh and meadow mosses of the forest-steppe and steppe regions of Western Siberia. p. 334.

Fil'chukova, P.G. - Weeds among the crops on the collective farms of Ordynskoye District. p. 338.

Raiskii, I.P. - Natural forage lands and their use in the steppe and forest-steppe regions of Novosibirsk Province and the Altai Territory p. 343.

Shubin, M.M. - Natural forage lands of the steppe and forest-steppe of the Altai Territory and their improvement. p. 356.

Vagina, T.A - Measures for the improvement of hayfields and pastures in Novosibirsk Province. p. 363.

Pavlova, G.G. - Natural forage lands of the northern forest-steppe as exemplified by the Toguchin District collective farms. p. 378.

Ronginskaia, A.V. - Characteristics of the natural forage area in the Altai foothills as exemplified by the "Put' Lenina" State Farm. p. 398.

Zagrebaev, I.I. - Improvement of natural hayfields and pastures in Omsk Province. p. 410.

Ugriumov, A.F. - Improvement of hayfields with Puccinellia distans L. as dominant grass on saline lands. p. 425.

Kazantsev, P.G. - Establishment of cultivated meadows on the drained marshes of Baraba. p. 430.

AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Biology Transactions]. Sverdlovsk, no. 31, 1963. Introduktsiia i selektsiia rastenii na Urale [Introduction and breeding of plants in the Urals], vol. 2.

Table of contents translated:

Mamaev, S.A. - From the history of the botanical garden in Sverdlovsk. p. 3.

Mamaev, S.A. - Valuable species of trees and shrubs in the old plantings of the botanical garden. p. 13.

Konovalov, N.A. - "Uralets" poplar. p. 31.

Shaburov, V.I. - Frost resistance and the rate of growth of young willows in Sverdlovsk. p. 33.

Konovalov, N.A., Petukhova, I.P. - Experiment in vegetative propagation of hybrid pyramidal forms of poplars and aspen. p. 39.

Luganskii, N.A. - Variability of some vegetative organs and fruiting of the Siberian pine in the Central Urals. p. 43.

Nikolaevskii, V.S. - Indices of the gas resistance of woody plants; according to research in Krasnoural'sk. p. 59.

Shirshova, A.I. - Ornamental plant pests in the greenhouse of the botanical garden and the measures for their control. p. 81.

AKADEMIIA NAUK SSSR. Zoologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Zoological Institute. Transactions]. Moscow, vol. 33, 1964. Morfologiia pozvonochnykh zhivotnykh [Morphology of vertebrates].

Table of contents translated:

Foreword. p. 3.

Shmal'gauzen, I.I. - Position of tailed amphibians among the lower terrestrial vertebrates. p. 5.

Regel', E.D. - Development of cartilaginous neurocranium and its connection with the palatoquadrate in Hynobius keyserlingii. p. 34.

Lebedkina, N.S. - Development of dermal bones of the basement of the skull in tailed amphibians of the family Hynobiidae. p. 75.

Medvedeva, I.M. - Development, origin and homology of choanae and choanal canal in Amphibia. p. 173.

IUdin, K.A. - Propatagium apparatus in Charadriiformes (Aves). p. 212.

Klepanova, K.A. - Microscopic structure of the compact matter of long bones of the extremities in some representatives of the family Sciuridae. p. 256.

Sokolov, A.S. - Structure of muscles of the hind extremities in representatives of the family Sciuridae. p. 283.

[illegible]

[illegible]

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia biialagichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Biological Sciences]. Minsk, no. 3, 1963

Table of contents translated:

Nestsiarovich, M.D., Panamarova, A.V., Dziaruhina, T.F. - Change in the anatomical structure of the needles of some trees in relation to their age and the height of their position on the tree. p. 5.

Rakhtsenka, I.N., Kachanouski, S.B. - Effect of the air balance of soil on the vital activity of root systems. p. 14.

Udovenka, H.V. - New experimental data supporting the adsorption theory of the cellular permeability of higher plants. p. 24.

Kraskouski, H.V. - Homotransplantation in adult organisms. p. 33.

Minchankava, M.D. - Effect of various doses of copper and various other microelements on some physiological processes and morphological characters of barley plants. p. 42.

Koshaleva, L.L. - Effect of nitrogen fertilizers on the dynamics of carbohydrates and nitrogen in flax. p. 51.

TSiarlentsi'eva, M.V., Lobach, T.IA. - Iodine and cobalt assimilation by vegetables in foliar feeding with salt solutions of various concentration. p. 59.

Kakhnovich, L.V. - Effect of illumination by different fluorescent lamps on the accumulation of chlorophyll a and b on the changes in the plastid apparatus of onion leaves. p. 64.

Bulyhin, I.A. - Inverted connections and reflex action of the organism. p. 69.

Merazhynski, M.F. - Biological role and the mechanism of the action of ascorbic and dehydroascorbic acids. p. 81.

Hurynovich, L.A. - Functioning of analyzers in the formation of complex systems of temporary connections in elderly people. p. 93.

Prakapchuk, A.IA., Bandarovich, A.H., Smol'skii, P.F. - Achorion schoenleinii under an electron microscope. p. 98.

Horbach, N.V. - Lichens of the genus Ramalina Ach. in White Russia. p. 102.

Zakharenkava, H.F. - Aquatic vegetation in Lake Rudakovo. p. 105.

Baravik, E.A. - Respiration of eggs of the rainbow trout (Salmo irideus Gibb., 1855). p. 111.

Chykileuskaia, I.V., Arzamasau, I.T. - Distribution of gamasid mites in the burrows of rodents of White Russian Polesye. p. 116.

Hyrhor'eu, P.P. - Some endo - and ectoparasites of moles in White Russia. p. 121.

IUrkevich, I.D., Chakalinskaia, N.I. - Nikolai Dmitrievich Nesterovich; on his 60th birthday. p. 130.

White Russian Branch of the All-Union Botanical Society. p. 137.

General meeting of the Academy of Sciences of the White Russian S.S.R. p. 138.

ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVES OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R]. Moscow, vol. 44, no. 6, June 1963.

Table of contents translated:

Voitkevich, A.A. - Some data on the histochemistry and fine structure of the hypothalamic neurosecretory substance. p. 3.

Makarov, P.V. - Quantitative study of frog oocytes with regard to some morphological and cytochemical problems. p. 21.

Zhinkin, L.N., Andreeva, L.F. - DNA synthesis and multiplication of nuclei in the regeneration of the somatic musculature. p. 30.

Dmitrieva, E.V. - Nuclein metabolism during regeneration of the skeletal musculature under various conditions of x-irradiation. p. 40.

Turevskii, A.A. - Cytochemistry of the nucleic acids of mammary glands. p. 48.

Gramenitskii, E.M. - Cytochemical changes in nerve and liver cells of white rats in hyperthermia. p. 54.

Vasil'eva, V.A. - Some histochemical changes in the epithlium of the cornea and conjunctiva of the human eye during embryogenesis. p. 62.

Natochin, IU.V. - Cytochemical characteristics of the cells of different sections of the vertebrate nephron. p. 67.

Lutsenko, N.M. - Histochemical study of protein substances in the rabbit ovary. p. 75.

Etingen, L.E. - Possibility of using fluorescence microscopy for the study of the functional morphology of the ovary. p. 80.

Chekulaeva, L.I. - Cell proliferation, protein and nuclein metabolism in inflammatory excrescences of the epithelium. p. 87.

Ou, Bao-sian [Ou Pao-hsiang], Raikhlin, N.T. - Changes in some oxidation-reduction enzymes in inflammatory oil excrescences of the skin. p. 93.

[illegible], A. G. - [illegible] of acid and alkaline phosphatases [illegible] ganglia. p.97.
[illegible], [illegible], G. S. - Principles and methods [illegible] enzymes. p.103.
[illegible], V. I. - [illegible] method of detecting [illegible] using an [illegible] solution of basic brown. p.114.
[illegible] - Technique of [illegible] preparations [illegible] by P. Piechocki. p.117.
Mas[illegible], P. V. - "[illegible]" by IA. A. Vinnikov, [illegible]. p.119.
[illegible], D. A. - [illegible]. p.123.
[illegible], P., [illegible] - Vladimir Grigor'evich [illegible] birthday. p.124.
[illegible], A. A., S[illegible], P. A. - In memory of Konstantin Aleksandrovich Lavrov. p.125.

BATUMSKII BOTANICHESKII SAD. Izvestiia [BATUM BOTANICAL GARDEN. Bulletin] Batumi, no.12, 19[illegible].
Table of contents translated:
Trees and shrubs of the Batum Botanical Garden, Angiospermae. Pt. 4. p.3.
Ma[illegible]tze, D. V. - Some characteristics of the growth and development of oriental beech at the seacoast of Adzharistan. p.67.
[illegible]anidze, N. M. - Yearly changes in the osmotic pressure of cell sap and protoplasm viscosity in some evergreens growing in the Batum Botanical Garden. p.75.
[illegible], G. S. - Some cultivation practices in weed control in the tea plantations in western Georgia. p.87.
Mar[illegible]dze, D. V. - Vertical distribution of oriental spruce and Caucasian pine (*Pinus hamata*) in western Georgia. p.101.

*BIOFIZIKA [BIOPHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.6, 1963.
Table of contents translated:
Wilkins, M.H.F. - Configuration of nucleic acid molecules. p.541.
Ptitsyn, O.B., Fedorov, B.A. - Determination of flexibility of DNA molecules with the aid of light disseminated at large angles. p.659.
Evstigneev, V.B. - Mechanism of the photosensitizing effect of chlorophyll in vitro. p.664.
El'piner, IE., Kriger, IU.A., Dobrina, S.Z. - Mechanism of the hemolytic effect of ultrasonic waves. p.677.
[illegible]enko, M.K. - Photodynamic stimulation of frog skeletal muscle. p.681.
Shtrankel'd, I.G. - Ultraviolet luminescence of muscles and muscle proteins. p.690.
Kalamkarova, M.B., and others. - Studies on the localization of contractile muscle proteins following denervation with the aid of labeled antibodies. p.696.
Shuba, M.F. - Effect of temperature on the physical electrotonus of smooth muscle. p.699.
Khodorov, B.I., Beliaev, V.I. - Modification of the level of critical depolarization and the action potential of electrotonus in a single Ranvier's node under the condition of the ionic effect of cadmium and nickel. p.707.
Lukasevich, I.P. - Electronic computers in the study of continuous models of control systems. p.715.
Kalmanson, A.E., and others. - Vapor-flow technique in the investigation of electron spin resonance spectra of free radicals under heterogeneous conditions. p.722.
Gotsiridze, E.G., Khvedelidze, M.A. - A bridge device for measuring the dielectric constant of solutions with ionic electric conductivity. p.727.
Petrova, G.P., Nemoitin, M.A. - Experience with the use of the method of emission spectrum analysis for the determination of relative magnesium concentrations in bacterial cultures. p.731.
Smirnov, A.A. - A cause of visual effects conditioned by light polarization. p.736.
TSofina, L.M., Liberman, E.A. - Studies on the effect of substituting Cl ions in solution on the mechanical response of single muscle fibers of river crayfish. p.738.
Beliakov, R.V. - A generator for mechanochemical oscillations on the basis of muscle pH. p.741.
Prits, A.K. - Concerning V.F. Antonov's remarks. p.744.

Vol 9, no.1, 1964.
Table of contents translated:
Perutz, M.F. - X-ray analysis of hemoglobin. p.3.
Kopylova-Sviridova, T.N. - Study of denaturation of deoxyribonucleoproteins. Report No.1: Thermal DNA denaturation in a synthetic complex with ribonuclease. p.13.
Chetverikov, A.G., and others. - Study of free radicals in biological objects generated during the course of enzymatic reactions by the electron paramagnetic resonance method. p.18.
Terenin, A.N., Dmitrievskii, O.D., Glebovskii, D.N. - Impulse photostimulation of the adsorbates of hematoporphyrin, chlorophyll, leaf pigments and Mg-phthalocyanine. p.25.
Pulatova, M.K., Azizova, O.A. - Nature of the spectra of electron paramagnetic resonance of amino acids and proteins subjected to γ-irradiation and light. p.33.
Braginskaia, F.I., El'piner, I.E. - Metachromatic reaction of nucleic acids (DNA and RNA), native and irradiated with ultrasonic waves. p.40.
Burshtein, E.A., Suslova, T.B. - Spectroscopic study of the kinetics and properties of enzyme-substrate complexes in adenosine triphosphatase reaction of contractive muscle proteins. p.48.
Lapaeva, L.A. - Study of the formation of protein complexes with other nonprotein components. p.56.
Manoilov, S.E. - Theoretical calculations of thermal effect of the anaerobic and aerobic oxidation of hexoses. p.64.
Shtrankfel'd, I.G. - Effect of temperature on the luminescence of muscles and muscleproteins. p.68.
Nikol'skii, N.N., Vasianin, S.I. - Relation between the resting potential value and the filling of microelectrode. p.73.
Kurella, G.A., Lian Zy-Tian'. - Relation between the resting potential of an isolated single muscle fiber and the osmotic pressure of medium. p.78.
Lazarev, I.Z. - Current drift through plant tissue. p.86
Voronin, G.V., Tott, Sh., Sokolov, E.N. - Amplitude-phase frequency analysis of retina biopotentials during sinusoidal light stimulation. p.94.
Ponomarev, V.A. - Automatic machine design asymptotically optimal in a stationary casual medium. p.104.
Gol'tsman, A.V. - Spatial vector analysis of electrocardiogram. p.111.
IAkobi, V.E. - Study of a bird flight. p.118.
Veprintsev, B.N., Vul'fius, E.A., Shungskaia, V.E. - Study of supravital nerve cells. p.122.
Konev, S.V., Katibnikov, M.A., Lyskova, T.I. - Possibility of the intertryptophan migration of energy in protein systems. p.124.
Mekshenkov, M.I. - Magneto-optic effect in nucleic acid solutions. p.128.
Presman, A.S. - Role of electromagnetic fields in the processes of vital activity. p.131.
Piatenko, V.S., Tarusov, B.N. - Catodic luminescence of normal and cancerous cells. p.134.
Razumova, L.L., Lemazhikhin, B.K., Mel'nikov, L.A. - X-ray identification of L-meromyosin in a muscle structure. p.136.
Sagalovich, B.M., Pokryvalova, K.P. - Possibility of the perception of ultrahigh-frequency sounds by the human ear. p.138.
Pogosian, M. - Seminar on biophysics of the Department of Biophysics and Bionics of the Academy of Sciences of the Armenian S.S.R. p.142.

BIOLOGIIA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.4, July-Aug. 1964.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Biological Series]. Tallinn, vol.13, no.2, 1964.

*FIZIOLOGIIA RASTENII [PHYSIOLOGY OF PLANTS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.11, no.3, 1964.
Table of contents translated:
Osipova, O.P., Ashur, N.I. - Effect of light intensity on photostability and the function of the photosynthetic apparatus of plants. p.369.
Semenenko, V.E. - Characteristics of carbon dioxide metabolism in the transitional states of photosynthesis during the change from light to darkness; light-induced liberation of CO_2. p.375.
Godnev, T.N., Shabel'skaia, E.F. - Diurnal fluctuations in the chlorophyll and carotenoid content in the leaves of some plants. p.385.
Lizandr, A.A., Brovtsyna, V.L. - Physiological role of the cauline leaves of rice during the formation and maturing of caryopses. p.391.
Shul'gin, I.A. - Effect of visible and infrared radiation on the growth and development of radishes. p.398.
Kudriavtsev, V.A. - Effect of light intensity on the accumulation of dry matter and carbohydrate metabolism in tomatoes. p.409.
Alekseenko, L.N., Martynova, M.F. - Characteristics of the formation and work productivity of the assimilation apparatus in meadow grass [illegible]. p.417.
Muhammad Samah Taha. - Effect of light on the growth and nitrogen fixation of some blue-green algae. p.424.
Sitanova, N.S. - Effect of ammonia on photosynthesis. Report No.2: Distribution of C^{14} among various compounds. p.432.
Popova, O.N., Kodanova, R.P., Vavilov, P.P. - Distribution of the radium absorbed from the soil in plants. p.436.
Grineva, G.M. - Absorption of water by the roots of plants treated with chloramphenicol. p.44[illegible].
Prokof'ev, A.A., Kats, K.M. - Interdependence between the transpiration in leaves and fruit. p.44[illegible].
Gordon, L.Kh. - Dependence of the state of water in wheat roots on nitrogen metabolism in the [illegible]. p.457.
Brilkov, E.A., Musatova, N.A. - Accumulation of free proline in pollen. p.464.
Rubtsova, M.S. - Physiological characteristics of the maternal and paternal self-pollinated lines of corn yielding heterotic hybrids after crossing. p.473.
Bigloy, T.T. - Uptake of radioactive phosphorus (P^{32}) by winter plants during low-temperature hardening. p.480.
Kushnirenko, M.D. - Water metabolism and the degree of drought resistance in some fruit trees. p.487.
Kefeli, V.I., and others. - Rhythmic nature of the growth process. p.496.
Muromtsev, G.S., and others. - Composition of gibberellic acid preparations of various origins. p.500.
Soldatenkov, S.V., Bykov, O.D. - Formation and transformation of acids of primary sugar oxidation in plants. p.515.
Kolesnikov, P.A., Zore, S.V. - Anthocyanins and flavones during the oxidation of ascorbic acid in plants. p.522.
Filippov, L.A. - Formation of the drought resistance properties of apple tree leaves during their growth under the effect of external conditions. p.52[illegible].
Petrov, K.P. - Determination of the effect of dicarboxylic acids and inhibitors on the [illegible] ability of plants. p.531.
Raspovin, V.A. - Activity of catalase and peroxidase in plants treated with gibberellin. p.534.
Genkel', P.A., Mart'ianova, K.L., Zubkova, [illegible] - Experiments on the presowing drought hardening of plants conducted under farm conditions. p.5[illegible].
Samorodova-Bianki, G.B. - Paper chromatography of anthocyans and flavonoids. p.544.
Odunnova-Dunaeva, G.A. - Simplified paper chromatographic determination of hexachlorocyclohexane from plants. p.54[illegible].
Obrucheva, N.V. - Determination of the number of cells by Brown's method. p.551.
Solov'ev, V.A. - "Physiology of the adaptation of cultivated plants to soil salinization" by G.M. Matukhin. p.553.
Kokukh, A.M. - "Cold resistance of corn" by N.F. Protsenko, P.S. Mishustina. p.554.
Kursanov, A.L., Chailakhian, M.Kh. - Visit to the plant physiologists of Yugoslavia. p.557.
Kruzhilin, A.S. - International symposium on the biology of wheat in Sweden. p.562.
Seventieth birthday of Academician A.I. Oparin. p.565.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and Central Council of the All-Union Lenin Pioneers]. Moscow, nos.7-8, 1964.

MIKROBIOLOGICHNYI ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Instytut mikrobiologii Akademii nauk URSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.25, no.6, 1963.
Table of contents translated:
Halkina, T.O., IElshyna, M.O. - Chemical composition of the paratyphoid A bacillus and the yellow cultures isolated together with it. p.3.
Nesterenko, O.O. - Characteristics of the heterofermentative lactic acid cocci isolated from the epiphytic microflora of some plants of the Ukraine. p.6.
Sudenko, V.I. - Species of the antagonistic strains of lactic acid bacteria of the human gastrointestinal tract. p.13.
Apliak, I.V., Dehtiar'ova, H.P. - Study of the antimicrobial effect of substances, isolated from myrtle, on the microflora of canned food. p.19.
IEfimov, IE.IE. - Comparative evaluation of some laboratory methods of the specific diagnosis of influenza. p.23.

Sydorenko, O. V. - Susceptibility of animals to influenza. p. 28.
Volynets', A. K. - Study of the etiology of infectious atrophic rhinitis of swine with the help of tissue cultures. p. 33.
Pidoplichko, M. M., Moskovets', V. S., Zhdanova, N. M. - Effect of some fungi from the corn rhizosphere on its sprouts. p. 38.
Aizenman, B. IU. - Antineoplastic antibiotics. p. 44.
Krasnykov, IE. I., and others. - Use of lactic acid bacteria for the biological preservation of pulp. p. 54.
Pairatii, V. - A new manual on medical microbiology. p. 59.

MOSCOW. UNIVERSITET. Vestnik. Seriia 6: Biologiia, pochvovedenie [UNIVERSITY. Review. *Series 6: Biology, Soil Science*]. Vol. 17, no. 2, Mar.-Apr. 1962.

Table of contents translated:
Andreenko, S. S. - Great progress of Soviet agriculture and the tasks of the Department of Biology and Soil Science of the Moscow University. p. 3.
Avdonin, N. S. - Role of fertilizers in creating the material and technical foundation of communism. p. 7.
Solov'ev, P. E. - Results and objectives of research work at the Soil Science Section of the Department of Biology and Soil Science in the light of the resolutions of the 22d Congress of the CPSU. p. 16.
Luk'ianenko, V. I., Flerov, B. A., Kuznetsov, S. M. - Role of the higher sections of the central nervous system in inhibiting the local allergic reaction, the Arthus-Sakharov phenomenon. p. 24.
Tiagi, IA. D. - Anatomic investigation of the vascular equipment in flowers of some species of the families Orobanchaceae and Scrophulatiaceae. p. 29.
Karavaev, M. N., Filin, V. R. - First discovery of fossil Boshchniakia rossica (Cham. et Schlecht.) B. Fedtsch. in the U.S.S.R. p. 53.
Orlov, D. S., TSikurina, N. N. - Quantitative determination of sodium in soils and soil solutions with the help of a glass electrode. p. 57.
Vaniushin, B. F. - Fifth International Biochemical Congress. p. 63.
Kachinskii, N. A. - Twenty days with Polish soil scientists. p. 73.

Vol. 18, no. 3, May-June 1963.

Table of contents translated:
On the 100th anniversary of V. I. Vernadskii's birth. *1863-1963.* p. 3.
Zenkovich, L. A. - V. I. Vernadskii's theory about the biosphere and its importance for modern oceanology. p. 4.
Gorlenko, M. V. - Use of antibiotics in phytopathological practice. p. 10.
Fedorova, A. P. - Effect of necrotized tissue on the bioelectrical and mechanical activity of the trabecula. p. 18.
Savvaitova, K. A. - Possibility of applying certain physiological indices in fish classification. p. 25.
Sorvachev, K. F., Medvedkina, O. A. - Nucleic acids in the offspring carp obtained from hyperimmunized breeders. p. 29.
Kozlova, E. I., Gorbenko, IU. A., Romanenko, V. I. - Comparative studies of the microflora of the rhizosphere of woody plants and some characteristics of its carbon metabolism. p. 36.
Skadovskii, S. N., and others. - New hydrobiological methods of the improvement of the quality of water and the struggle against biological hindrances in the exploitation of canals and water reservoirs. p. 43.
Veselova, T. D. - Dependence of the viability of female inflorescences of corn upon their position on the stem. p. 47.
Solov'ev, P. E. - Silviculture properties of steppe soils. p. 59.
Rozanov, B. G., Rozanova, I. M. - Soils of the mountainous subtropics and the alpine regions of Burma. p. 71.

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Biulleten'. Otdel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Bulletin. Biological Section]. Moscow, new series, vol. 67, no. 6, Nov.-Dec. 1962.

Table of contents translated:
Novikov, G. A. - Ecology of stone martens in the forest-steppe oak-dominant woods. p. 5.
Cherniavskii, F. B. - Systematic interrelationships between mountain sheep of the Old and New Worlds. p. 17.
Chugunov, IU. D. - Materials on the mammals of the Gobi Altai (jerboas and Lagomorpha). p. 27.
Gofman, D. N. - Dependence of the quantity of yolk in bird eggs on the nature of nesting and body size. p. 34.
Starobogatov, IA. I. - Study of the mollusks from the underground waters of the Caucasus. p. 42.
Ass, M. IA. - Anatomy and morphology of Anoplura pinnipediorum. p. 55.
Lipshits, S. IU., Lebedev, D. V. - Pavel Aleksandrovich Baranov. p. 61.
Belostokov, G. P. - Rhythm of the seasonal development of semidesert plants. p. 68.
Serebriakova, T. I. - Shoot formation and tillering in the meadow fescue (Festuca pratensis Huds.) during its *first year of life. p. 81.*
Rotov, R. A. - Boreal undershrubs. p. 96.
Gulidova, I. V., IUrina, E. V. - Water balance of soil and seasonal course of photosynthesis and transpiration in tree stands. p. 102.
Puzanov, I. I. - In memory of Vladimir Emmanuilovich Martino. p. 113.
TSalkin, V. I. - Book on the saiga. p. 118.
Brief news. p. 121.
Supplement. p. 130.
Table of contents of vol. 67. p. 154.

Vol. 69, no. 3, May-June 1964.

Table of contents translated:
Beliaev, D. K., Trut, L. N. - Behavior and reproductive function of animals. Report No. 1: Correlation of the behavioral characteristics with the breeding season and fertility. p. 5.
Agre, A. L., Molchanova, I. V., Timofeev-Resovskii, N. V. - Self-purification of water from cesium-137 in bodies of water with slow circulation at different speeds and volume of water and cesium concentration. p. 20.
TSalkin, V. I. - Domestic animals in Eastern Europe in the early Iron Age. p. 25.
Bernshtein, A. D. - Reproduction of the red pika (Ochotona rutila Sev.) in the Trans-Ili Alatau. p. 40.
Bakeev, N. N., Osmolovskaia, V. I. - Abundance of tetraonid birds in the Urals and the trans-Ural region. p. 49.
Inozemtsev, A. A. - Feeding habits and other ecologic characteristics of goldcrest and wren in Moscow Province. p. 64.
Olsuf'ev, N. G. - Study of horseflies (Tabanidae) in the western part of the Greater Caucasus with the description of a new genus. p. 73.
Kaden, N. N., Smirnova, S. A. - Morphology of the fruit of Scrophulariaceae. p. 77.
Trankovskii, D. A. - Pollen development in two remote hybrids of Lathyrus. p. 91.
Kuvaev, V. B., Samarin, V. P. - Polygonal steppes of the Amga Valley, their soils, vegetation and origin. p. 98.
Pakhomova, M. V. - Biochemical study of some algal species. p. 110.
Markuze, V. K. - Significance of piscivorous birds in the fish spawning and rearing farms of the Volga Delta. p. 127.
Rashek, V. A. - Parasites of kulan on Barsa-Kel'mes Island. p. 128.
Viktorov, S. V. - Geobotanical indicators of fresh water in seasonal pastures of the sandy Kalmyk steppe. p. 129.
Mitrofanova, N. S. - Significance of stamen morphology in the taxonomy of the genus Cuscuta L. p. 132.
Starostin, B. A. - Relation between natural and phylogenetic systems of angiosperms from the historical point of view. p. 134.
Lamakin, V. V. - History of the study of the Baikal seal. p. 142.
Rokitskii, P. F. - M. E. Lobashev's "Genetics." p. 150.
Kats, N. IA. - P. I. Dorofeev's "Teritary floras of Western Siberia." p. 154.
Brief news. p. 157.
Fedorov, V. D., and others. - Supplement. p. 158.

NERVNAIA SISTEMA [NERVOUS SYSTEM]. Issued by Fiziologicheskii institut Leningradskogo gosudarstvennogo universiteta [Physiological Institute of the Leningrad State University]. Leningrad, no. 3, 1962.

Table of contents translated:
Leonid Leonidovich Vasil'ev. p. 3.
Prokhorova, M. I., Sokolova, G. P. - Effect of some substances on the biosynthesis of cholesterol and the total lipid fraction in the brain of growing rats. p. 5.
Shatunova, N. F., Sytinskii, I. A. - The effect of semicarbazide poisoning on the content of γ -aminobutyric acid in brain tissues. p. 12.
Musaelian, S. S. - Content of γ -aminobutyric acid in brain tissues in the state of convulsions. p. 17.
Taranova, N. P. - Method of isolation of cerebrosides and determination of their specific activity. p. 21.
Getsel', Kh. A. - Microradioautography of the cerebellum and pons Varolii. p. 28.
Golikov, N. V. - Theory of stimulation and mechanisms of cellular and systemic processes of excitation, inhibition and adaptation in light of the theory on parabiosis. p. 33.
Kopylov, A. G. - Bioelectrical reactions in various parts of the rabbit visual system and their changes during barbiturate anesthesia. p. 43.
Sologub, M. I. - Electrical responses and physiological lability of a nerve at the place of stimulation. p. 51.
IUdenich, N. A. - Nature of pessimum. p. 57.
Vasil'eva, V. K. - Effect of atropine on skin polarizing potentials. p. 62.
Poliakova, N. N. - Mechanism of hysteriosis. Report No. 2: The development of hysteriosis following a transverse section of the spinal cord. p. 69.
Kolomeichenko, IA. P. - Characteristics of the summation process in various functional states of the spinal reflex arc. p. 74.
Skorobvichuk, N. F. - Formation of postural tonic contraction of mammalian muscles. p. 84.
Guseva, E. A. - Functional changes of a nerve under the influence of amobarbital sodium. p. 90.
Shvinka, N. E. - Dynamics of the refractivity of a nerve and the neuro-motor unit. p. 95.
Vasilevskaia, N. E., Nabokina, T. K. - Data on the interaction of nutritional and acid-defensive conditioned reflexes. p. 101.
Grachev, I. I. - Role of the bilateral activity of the cerebral hemispheres in the regulation of mammary gland function. p. 110.
Mnukhina, R. S. - Significance of rapid fluctuations of the potential in the mechanism of closing the temporary connection. p. 119.
Makarov, P. O. - Discretometry of human analysors. p. 125.
Gavrilova, N. I. - Dependence of the intensity of the light threshold on the shape and area of the test object. p. 135.
Funtikov, B. A. - Adequatometry and discretometry of the human visual analysor at different geographic latitudes. p. 139.
Vinogradov, M. I., and others. - Some aspects relating to to the development of theoretical principles of work physiology. p. 145.
Vasil'ev, L. L., Khavkina, N. N. - Role of inhibition in the development of fatigue in human muscular work. p. 152.
Pavlova, L. P. - Study of human muscular work capacity by the method of creation of a weak excitation focus. p. 160.
Osipova, O. V. - Significance of signal stimuli for human muscular work capacity. Report No. 2: Characteristics of conditioned reflexes related to various work stages. p. 167.
Guliaev, P. I. - Significance of dynamic programming and the theory of games for physiology. p. 177.
Ganzen, V. A. - Electronic model of a game. p. 190.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 81, 1963.

Contents: Borkhsenius, N. S. [Practical guide to scale insects (Coccoidea) occurring on cultivated plants and forest species] Prakticheskii opredelitel' koktsid (Coccoidea) kul'turnykh rastenii i lesnykh porod SSSR. 311 p.

ORNITOLOOGILINE KOGUMIK [ORNITHOLOGICAL PAPERS]. Issued by Loodusuurijate Selts Eesti NSV Teaduste Akadeemia juures [Naturalists' Society, Attached to the Academy of Sciences of the Estonian S.S.R.]. Tartu, vol 3, 1963.

*RADIOBIOLOGIIA [RADIOBIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 6, 1963.

Table of contents translated:
Petrovich, I. K., Moskalev, IU. I. - Biological action of fast neutrons. p. 785.
Barsukov, V. S. - Qualitative analysis of some characteristics of the yeast cell restoration after irradiation. p. 795.
Prokhonchukov, A. A. - Effect of incorporated radioactive iodine on the protein metabolism in calcified tissues. p. 803.
Sumarukov, G. V. - Oxidation-reduction potential as an index of the antiradiation effectiveness of various actions. p. 805.
Val'dshtein, E. A., Zhestianikov, V. D. - Postirradiation recovery of Escherichia coli irradiated under different conditions (in air, in nitrogen and in nitrogen in the presence of cysteamine). p. 809.
Komar, V. E. - Effect of whole-body X-ray irradiation on the nucleotide composition of DNA in the spleen and small intestines of rats. p. 815.
Kuznetsova, N. E. - Neurohumoral substances of dog blood in acute radiation sickness. Report No. 1. Changes in the acetylcholine-cholinesterase system of the blood. p. 820.
Skurikhina, M. M., Tereshchenko, O. IA. - Excretion of deoxycytidine with urine in irradiated rats. p. 829.
Dubinin, N. P., Dubinina, L. G. - Relative biological effectiveness of gamma rays as compared with the action of X rays on the human cell nucleus in tissue culture. p. 833.
Zhestianikov, V. D. - Radioresistance of Escherichia coli cultivated under the influence of continuous gamma irradiation. p. 847.
Kamalian, L. A., Ter-Pogosian, R. A. - Effect of X rays on the reproduction of smallpox vaccine virus in tissue culture. p. 855.

[illegible], A.G., and others. - Effect of gamma [illegible] on the auxotrophic mutants of Escherichia [illegible] after [illegible] of charging synthetic ac[illegible]. p.859.
[illegible], M.G. - Effect of radiation on the mitotic [illegible] epithelium and the intestine [illegible]. p.866.
[illegible], Zh., Balab[illegible], N. - Natural radioactivity [illegible] Report No.1: Radioactivity of [illegible]. p.873.
Tas[illegible], A V - Distribution of polonium-210 in the [illegible], thyroid and parathyroid glands of rats. p.877.
[illegible], V.I. - Protective action of diethylstilbestrol. p.880.
[illegible]skii, F.IA., and others. - Mechanism of the radioprotective action of cystamine (2-aminoethyl-disulfide). p.881.
[illegible]ka, N.I. - Free oxygen concentration in the brain and bone marrow of rabbits following the injection of chemical protective agents against ionizing radiation. p.893.
[illegible], A.M., Uzorin, E.K., Chirkovskii, V.I. - Study of remote radiation aftereffects in some species of the genus Nicotiana following gamma irradiation of seeds. p.903.
[illegible], G.N. - Effect of instantaneous gamma and fast neutron irradiation of cuttings on the growth, development and morphological variability of the Vladimirovka cherry. p.909.
[illegible]enko, A.M. - Taking the irregularity of specific energy loss into account in the calculation of medium alpha irradiation doses. p.915.
[illegible], I.Kh. - Nature of "inverse" oxygen effect in ionizing radiation. p.920.
Par[illegible], V.P. - Review of the book "Biological and chemical protection against radiation," [in German] by R.Huber, E.Spode. p.923.
Semagin, V.N. - Radiobiology at the Tenth International Congress on Radiology. p.924.

REFERATIVNYI ZHURNAL BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30) [JOURNAL OF ABSTRACTS BIOCHEMISTRY (Separate Issue 30)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos 11,13, June-July 1964.

REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS BIOLOGY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 13, July 1964.

ROSTOV-ON-DON. AZOVSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA. Trudy [AZOV SCIENTIFIC RESEARCH INSTITUTE OF FISHERIES. *Transactions*]. *No.7, 1963.*
Contents [Collection of statistical information on fishing equipment of the Azov Sea Basin and adjacent areas of the Black Sea]Sbornik statisticheskikh svedenii o rybolovnykh orudiiakh Azovskogo basseina i prilezhashchikh uchastkov Chernogo moria. 71 p.

RYBNOE KHOZIAISTVO VNUTRENNIKH VODOEMOV LATVIISKOI SSR [FISHERIES OF THE INLAND *WATERS OF THE LATVIAN S.S.R.*]. Issued by Institut biologii Akademii nauk Latviiskoi SSR [Institute of Biology of the Academy of Sciences of the Latvian S S R] Riga, vol 7, 1963

SBORNIK ENTOMOLOGICHESKIKH RABOT [ENTOMOLOGICAL PAPERS] Issued by Akademiia nauk Kirgizskoi SSR and Kirgizskoe otdelenie Vsesoiuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirghiz S.S R and the Kirghiz Branch of the All-Union Entomological Society). Frunze, no 1, 1962

Table of contents translated:
Tarvit-Gontar', I.A. - Materials on the evolution of mosquitoes as parasites. p.3.
Narzikulov, M.N. - A new species of plant lice of the genus Rhopalomyzus Mordv. (Homoptera, Aphididae) from the Tien Shan. p.11.
Protsenko, A.I. - A new species of the genus Onthophagus Latr. (Coleoptera, Scarabaeidae) from Kirghizia. p.16.
Gur'eva, E.L - Hypnoidini (Coleoptera, Elateridae) of Central Asia p.20.
Palii, V.F - Two new species of leaf beetles (Coleoptera, Chrysomelidae) p.33.
Medvedev, L.N. - Survey of Cryptocephalus species of the C. macrodactylus Gebl. group. *no.38.*
Zaslavskii, V.A. - New species of Hyperini weevils from the Tien Shan (Coleoptera, Curculionidae). p.48.
Palii, V.F. - Penetration of insects from China and Mongolia into the Issykkul' region. p.55.
Palii, I.V. - Swallowtail butterflies of the Tien Shan and of the Alay Range p 58
Ibraimova, K. - Study of willow pests in Kirghizia. Report No.2. p.63.
Markov, F.I - Presowing treatment of sugar-beet seeds as a control measure against Chaetocnema (Chrysomelidae). p.68.
Sartbaev, S.K. - Gamasid mites of the Issykkul' trough and adjacent ranges. p.81.
Osipova, N.Z. - Gamasid mites in the Q fever focus of southern Kirghizia. p.87
Palii, V F., Gaivoronskaia, V.I. - Testing various types of insect nets. p 92.
Kochenkov, V.G. - Use of Polyethylene bags for conservation of insect collections. p.100.
Work of the Kirghiz branch of the All-Union Entomological Society p.101.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Instytut botaniky Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.21, no.3, 1964.

Table of contents translated
Hrodzins'kyi, A.M. - Interrelation between phytocenosis components. p.3.
Shmarhon', IE.M. - Embryological processes in the apple tree (Malus domestica Borkh.). p.12.
Bannikova, V P., Ostapenko, O.K. - Some characteristics of the embryogenesis of the Khmelevka variety of makhorka (Nicotiana rustica L). p.20.
Chubirko, M.M. - Embryogenesis in bird's-foot trefoil (Lotus corniculatus L.). p.27.
Palamar-Mordvyntseva, H.M., Kostian, N V - Phenomena accompanying a chlorella culture when grown on urea p 38.
Lytvynova, M.O. - Study of the phytoplankton of the upper Dnieper p 43.
Antypova, N.A. - A new species of the genus Oocystis from Lake Khubsugul. p.53.
M'iakushko, V.K. - Natural reproduction of the sweet cherry Cerasus avium (L.) Moench in the forests of western regions of the Ukrainian S.S.R. p.56.
Fisiunov, A.V. - Biennial weeds of the Ukrainian steppe in autumn and winter. p.71.
Kuznetsova, H O. - Seasonal and annual changes in the plant cover of the Khomutovskaya Steppe, Donetsk Province. p.75.
Shchekina, N.O - Study of the flora and plant cover of the Kuyal'nitskiy age in the south of the Ukraine. p.84.
Boiko, M.P. - Occurrence of the early coralroot Corallorhiza trifida Chatel.) on Mount Bozh'ya (Lvov Province). p.91.
Zyman, S.M. - Primrose Primula farinosa L as a new species in the Ukrainian flora. p.91.
Barbarych, A.I , Kuznetsova, H.O - Literature on the flora and vegetation of the Ukrainian S.S.R. published in 1960. p.93.
Barbarych, A.I , Osychniuk, V.V. - Ukrainian Botanical Society in 1963 p.109
Bradis, IE M., Bachurina, H.F. - International Congress on Peat. p.111.

UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK BIOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol.7, no.1, 1963.

Table of contents translated:
Nazirov, N.N. - Some characteristics of the biological effect of radiation. p.5.
Umarov, A.A., IArovenko, G.I. - Effect of ammonia and nitrate nutrition on the development and yield of cotton under the conditions of varying water supply. p.17.
Koval'chuk, R.I. - Overcoming the incompatibility of remote cotton species and the sterility of produced hybrids with the help of growth stimulators. p.20.
Vlasova, N.A., Serebriakova, L.E. - Localization of nucleic acids in relation to the rate of development of the embryo sac in cotton. p.27.
Inogamova, L. - Selectivity of the fertilization of cotton in relation to the age of generative elements. p.34.
Rumi, V.A. - Development rate of pollen and male gametophyte in cotton species. p.40.
Samiev, Kh. - Change in the indices of water balance in leaves of the 108-F cotton in relation to the dose of phosphorus nutrition. p.51.
Zainishev, A. - Effect of pistillate parent on the formation of heritability of cotton hybrids in direct and reverse crossings. p.59.
Kamilova, R., Osipova, E.G. - Effect of herbicides on weeds in cotton fields. p.65.
Bersonova, K.A., Mukhitdinov, U. - Testing herbicides on plants infesting drainage systems of the Golodnaya Steppe. p.72.
Pashchenko, Z.P., Saidalieva, D., Nam, V.M. - Cytological and embryological characteristics of cotton grown from gamma irradiated seeds. p.78.

VOPROSY PITANIIA [PROBLEMS OF NUTRITION]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.22, no.6, Nov.-Dec. 1963.

Table of contents translated:
Boiko, N.N., Kliushkina, N.S., Kondrat'ev, IU.I. - Use of monocellular algae in human nutrition, review of the literature. p.3.
Gonashvili, Sh.G. - Digestion of cheese proteins in vitro. p.9.
Karandaeva, V.P. - Comparative nutritional value of meat dehydrated by thermal atmospheric desiccation and by sublimation. p.12.
Komarov, F.I., Ivanov, A.I., Lebedev, N.F. - Effect of the quality of suppers on the gastric secretion in healthy people and in patients with chronic gastritis. p.16.
Saakian, A.G., Nanazashvili, I.S. - Effect of some food products and mineral waters on the motor function of the small intestine in chronic colitis. p.21.
Chumakova, E.P. - Possibility of the endogenous synthesis of nicotinic acid in total gastrectomy patients. p.27.
Kazantsev, A.P. - Effect of vitamin C on the functional status of the central nervous system in dysenteric patients. p.30.
Andreenko, G.V., and others. - Role of corn oil in experimental circulatory disorders. p.33.
Leites, F.L. - Changes in the activity of lipolytic enzymes in feeding animal and vegetable fats to rats. p.37.
Ondreichka, R., Shimko, V., Buchko, A. - Changes in the chemical and physical properties of lard and butter during heating. p.43.
Khazanova, V. - Diagnosis of food poisoning caused by *Escherichia coli.* p.40.
Bougard, E.M., Lashchenko, N.C. - Characteristics of the course of food poisoning caused by granosan. p.46.
Knizhnikov, V.A., Bugryshov, P.F. - Dietary calcium and phosphorus enrichment as a factor of lowering the strontium-90 concentration in the skeletal bones. p.56.
Grigor'iants, N.N. - Strontium content of food products in the Turkmen S.S.R. according to spectrum analysis. p.63.
Kokorina, E.P. - Effect of various nutritional levels on nervous processes in animals in ontogenesis. p.66.
Abel'son, L.I. - Methods for the sanitary and bacteriological examination of vegetables and fruit. p.68.
Solov'eva, T.IA., Bazarova, V.I. - Free amino acid content in some varieties of honey originating from a single type of flower. p.69.
Samofal, T.S. - Relation of the copper and manganese content in beans to their color. p.70.
Kotelianskaia, L.I. - Cobalt content in food products of the vegetable and animal origin in Transcarpathia. p.71.
Taktakishvili, S.D. - Cobalt and nickel content in some food products of Georgia. p.73.
Mazo, A.A. Akhtyrskaia, L.G. - Comparison of the 1954 and 1961 editions of tables listing chemical composition and nutritional values of food products. p.74.
Petrovskii, K.S., and others. - Review of the collection "The problems of the hygiene of nutrition and alimentary diseases," p.76.
Budagovskaia, V.N., Kuvaeva, I.B. - All-Union Conference on the Physiology and Pathology of the Intestines. p.79.
Skulme, K.A. - Scientific session in Leningrad dedicated to the problem of chronic gastritis. p.84.
Subject index of the vol. 22 of "Voprosy pitaniia" for 1963. p.87.
Author index of articles published in the vol.22 of "Voprosy pitaniia" for 1963. p.90.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.42, no.12, 1963.

Table of contents translated:
Raikov, I.B. - Infusorians of the mesopsammon of the Ussuri Bay (Sea of Japan). p.1753.
Rubtsov, I.A. - Mermithids parasitizing in blackflies. p.1768.
Brotskaia, V.A. - Survey of the family Cervinidae (Crustacea, Copepoda). p.1785.
Vinogradova, N.M. - Effect of temperature conditions in spring on the fecundity of the scale insect *Eurygaster integriceps Put. p.1804.*
Ioannisiani, T.G. - Population dynamics of the beetles Phytonomus meles F. and Phytonomus nigrirostris F. on clover. p.1815.
[illegible] - Reproduction of [illegible] Ilyam[illegible] [illegible] Cybulewski. [illegible]
[illegible] - Ch[illegible] of the group [illegible] of the pro[illegible] of species [illegible]. p.1841.
R[illegible], IU.V. - Application of radioactive tracers for the study of intra[illegible] connection as an [illegible]logical factor [illegible] of greater [illegible]. p.1849.

IAblokov, A.V., Serzhent, D.E. - Variability of craniological characteristics in the harp seal (Pagophilus groenlandicus Erxleben 1777). p. 1857.
Stepan'iants, S.D. - Finding of the siphonophore Nectopyramis diomedea Bigelow, 1911, in the Arctic basin. p. 1866.
Savchenko, M.E. - Effect of some abiotic environmental factors on the developmental rate and the survival of eggs of Heterakis gallinarum under natural conditions. p. 1869
Alekseev, V M. - Teratologic modification of Metorchis pinquinicola Skrjabin, 1913. p. 1871.
Morozova, I.V., Bibikova, V.A., Kaluzhenova, Z P. - Fauna of gamasid mites (Parasitiformes, Gamasoidea) in the sands of Sary-Ishikotrau. p. 1872.
Tanasiichuk, V N. - Biology of the genus Parochthiphila Czerny (Diptera, Chamaemyiidae) p. 1876.
Rubtsova, N.N. - Methods of staining the embryos of the green oak leaf roller Tortrix viridana L. p. 1880
Polushina, N.A , Kushniruk, V.A. - Ecology of the frog Rana dalmatina Bonaparte. p. 1881.
Molodovskii, A.V - Flamingo on the southern Mangyshlak Peninsula. p. 1885.
Denisov, V.P. - Hybridization of the species belonging to the genus Citellus Oken. p 1887.
Barsukov, V.V. - Review of Yoichi Yoshida's article "A way of making fish specimens with their original body colors kept." p. 1890.
Svetovidov, A.N. - Review of James G. Needham and Paul R Needham's book "A guide to the study of freshwater biology" [in English] p. 1890.
Brief news and information *p. 1892.*
Table of contents of vol. 42

Vol. 43, no. 1, 1964.
Table of contents translated:
Rukhliadev, IU.P. - Dependence of the biomass and the outflow of the Volga zooplankton upon the basic environmental factors. p. 3.
Birshtein, IA.A., Levushkin, S.I. - Occurrence of Bathynellacea (Crustacea, Syncarida) in Central Asia. p. 17.
Volgin, V.I. - Materials on the taxonomy of predatory mites of the family Cheyletidae. Pt. 6. Genus Ornithocheyletia Volgin gen. n. p. 28.
Kononova, N.E. - Survival of leaf-eating insect pests as related to the condition of the plant. p. 37.
Maslov, A.D. - Biology of longicorn beetles (Coleoptera, Cerambycidae), pests of Ulmaceae. p. 43.
Medvedev, G.S. - Zoogeographical characteristics of darkling beetles (Coleoptera, Tenebrionidae) from Kugitany and a description of new forms. p. 54.
Khot'ko, E.I. - Morphological characteristics of pupae in several owlet moth species (Lepidoptera, Noctuidae) of the subfamily Hadeninae. p. 65.
Domanevskii, L.N. - Some characteristics of interspecific relationships between the pike and main species of fishes in TSimlyansk Reservoir. p. 71.
Darevskii, I.S. - New species of scincoid lizards from the Lesser Sundas (East Indonesia). p. 80.
Panov, E.N - Feeding habits of some species of limicoline birds. p. 89.
Lavrovskii, A.A. - Epizootiological role of mixed rodent colonies at the junction of the landscapes of the original seashore and the young coastal plain. p. 98.
Garbuzov, V.K. - Distribution and occurrence in various habitats of the mole rat Spalax giganteus Nehr. in the dry steppes of Aktyubinsk Province. p. 108.
Burdelov, A.S., Bondar', E.P., Zhuravleva, V.I. - Mobility of greater gerbils (Rhombomys opimus) and its epizootiological role in compact colonies in the northern desert (southern Balkhash region). p. 115.
Petrov, A.K. - Some characteristics of intrauterine development of the moose. p. 125.
Akinshina, G.T. - Multiplication of toxoplasmas in tissue culture. p. 131.
Kovalev, A.V. - Seasonal changes in the size of some pelagic Copepoda of the Black Sea. p. 133.
Bregetova, S.I., Bibikova, V.A., Berendiaeva, E.L. - A new species of gamasid mites Haemogamasus bifurcatus sp. n. from the Tien Shan. p. 136.
Kusel'tan, I.V. - Penetration of the adult tick Hyalomma asiaticum into the skin of lambs and its consequences. p. 138.
Medvedev, S.I. - Larva of the lamellicorn beetle Brenskea (?) (Coleoptera, Scarabaeidae) from Turkmenia. p. 140.
Triapitsyn, V.A. - Encyrtidae (Hymenoptera), parasites of Dryinidae (Hymenoptera) in the U.S.S.R. p. 142.
Gornostaeva, R.M. - Adaptation of biting midges to different conditions of air humidity. p. 145.
Lesniak, A.P. - Feeding habits of the snake Ancistrodon halys in greater (Rhombomys opimus) gerbil colonies of the southern Balkhas region. p. 147.
Rakhilin, V.K. - One method of studying the feeding habits of birds living in tree cavities. p. 149.
Pavlovskii, E.N - Review of Oleg Starkoff's book "Ixodoidea of Italy". p 151
Zhadin, V.I. - Review of the book "Courland Lagoon." [in Lithuanian]. p. 151.
Brief news and information. p. 154.

Vol. 43, no. 5, 1964.
Table of contents translated:
Ivanova-Kazas, O.M. - Forms of polyembryony in animals. p. 641.
Kheisin, E.M. - Electron microscopic *study of micro*gametes in Eimeria intestinalis (Sporozoa, Coccidiida). p. 641.
Oshmarin, P.G. - Several scientifically unknown species and genera of trematodes from birds of the Democratic Republic of Vietnam. p. 652.
Nesis, K.N. - Systematic and zoogeographical position of two bottom invertebrates of the northwestern Atlantic. p. 662.
Pirianik, G.I., Akimov, I.A. - Gamasid mites in birds and their nests *in the Ukrainian S.S.R.* p. 671.
Mordkovich, V.G. - Population of beetles (Coleoptera, *Carabidae*, Silphidae, Tenebrionidae) inhabiting the surface soil and litter in the microlandscapes *of the northern* Baraba Forest Steppe and its change under the influence of the economic activity of man. *p. 680.*
Popov, IU.A. - New and little-known true bugs *(Heteroptera) from* Central Asia. p. 695.
Platonova, *O.P. - Characteristics* of the feeding habits of benthophagous fishes in the first years after the construction of Kuybyshev Reservoir. p. 706.
Belyi, N.D. - Change in the morphological and biological characteristics of the roach Rutilus rutilus heckeli introduced from the Dnieper River into Crimean reservoirs. p. 713.
Dol'nik, V.R. - Mechanism *of* the photoperiodic regulation of the endogenous rhythm of sexual cycles in birds. p. 720.
Korenberg, E.I. - Main features of the effect of concentrated felling on birds of the European southern taiga forests. p. 735.
Maslovets, R.D. - Development of the fauna of rodents in the deserts of the northeastern Caspian Sea region in relation to the recent regression of the Caspian Sea. p. 744.
Rossolimo, O.L. - Intraspecific variability of the red-backed bank vole (Clethrionomys glareolus Schreb.). p. 749.
Treus, V.D. - Restoration of Przhevalski's horse (Equus przewalskii Pol.) in the U.S.S.R.; its state and prospects. p. 757.
Svanbaev, S.K. - A new species of Coccidium from Marmota menzbieri Kaschkarov, 1925. p. 764.
Zhuravel', P.A. - New species in the fauna of freshwater bodies of the Crimea. p. 766.
Bulakova, T.G., Goncharova, A.A. - New species of gamasid mites (Parasitiformes, Gamasoidea). p. 768.
Skopina, I.N. - Larvae of two species of Scarabaeidae (Coleoptera) from the Mangyshlak Peninsula. p. 772.
Goncharenko, L.G. - Morphological and biological characteristics of the larva of Tanymecus dilaticollis Gyll. (Coleoptera, Curculionidae). p. 774.
Mamaev, B.M. - Gall gnats of the U.S.S.R. Report no. 4: New species of the tribe Lestremiini (Itonididae, Diptera). p. 776.
V'iukov, V.N. - Diurnal activity of sand flies in the burrows of the greater gerbil. p. 779.
Polushina, N.A., Kushniruk, V.A., Klimishin, V.S. - Wintering of Miniopterus schreibersii Kühl. (Mammalia, Chiroptera) in Transcarpathia. p. 782.
Voronov, G.A. - Distribution of Microtus arvalis Pall. and Microtus maximowiczii Schrenck in central Siberia. p. 783.
Zpuris, Z.D. - Review of B.F. Belyshev's book " A guide to the dragonflies of Siberia based on imaginal and larval phases." p. 786.
Geptner, V.G. - Review of the book "Mammals of the U.S.S.R." by I.M. Gromov and others. p. 788.
Brief news and information. p. 794.

d. CHEMISTRY

[illegible]

Vol. 17, no. 3, 1964.
[illegible]

Abramian, A V. - Physicochemical properties of molten, supercooled, vitrous, and recrystallized basalt. Part 8 Leaching of vitreous basalt with an azeotropic solution of hydrochloric acid p. 262.
Abramian, A.V. - Physicochemical properties of molten, supercooled, vitreous, and recrystallized basalt Part 9 Leaching of Khaladzh vitreous basalt with a 5% solution of nitric acid. p. 273
Manvelian, M.G , and others. - Desilicification of sodium-potassium aluminate solutions. p. 283.
Babaian, G.G , Muradian, S.S , Oganesian, E.B. - Physicochemical properties of sodium and potassium silicate solutions. Part 2: Vapor density of sodium silicate solutions p. 290.
Taraian, V.M , Mushegian, L.G., Ekimian, M.G - Composition of a rhenium thiocyanate complex compound. Part. 5 Rhenium thiocyanate complex compound in sulfuric acid solution. p. 296.
Abramian, A A., Kocharian, A.A. - Simultaneous microdetermination of carbon, hydrogen, and sulfur in organic compounds. p. 301
Mkrian, G.M., Mndzhoian, Sh.L. - Reactions of ethers with unsaturated radicals. Part 2: Reaction of the 1,4-cleavage of ethers with a 2-butynyl radical. p. 306.
Mndzhoian, O.L., Pogosian, G.M. - Synthesis of derivatives of amines. Part 15 Some alkylene diol esters of substituted carbamic acids. p. 314.
Matsoian, S.G., Morlian, N.M. - Cyclic polymerization and copolymerization. Part 29. Radical polymerization of aliphatic vinylethynylcarbinols. p. 319.
Matsoian, S.G., Morlian, N.M. - Cyclic polymerization and copolymerization. Part 30 Radical polymerization of ethers and esters of vinylethynylcarbinols. p. 329.
Esaian, G.T., Oganesian, E.E., Asoian, E.L. - Transformations of disulfonyl chlorides. Part 1: Interaction of alkanedisulfonly chlorides with phenols and aromatic amines containing a halogen and a nitro group. p. 339.
Mndzhoian, A.L., Mnatsakanian, V.A., Eglazarian, I.S. - Alkaloids of Goebelia alopecuroides. p. 345.
Vartanian, S.A., Grigorian, L.G., Zhamagortsian, V.I. - Oxidation of vinylacetylenic alcohols and their ethers by means of perhydrol in acetic acid solution. p. 348.
A.D. Petrov; an obituary. 350.

KRISTALLIZATSIIA ZHIDKOSTI [CRYSTALLIZATION OF LIQUIDS]. Minsk, no. 2, 1963.
Table of contents translated:
Gorskii, F.K., Akhromova, A.V. - Magnetic susceptibility of some organic substances. p. 3.
Mikulich, A.S. - Determination of the interfacial energy of antipyrine at the crystal - melt boundary. p. 7.
TSedrik, M.S. - Effect of insoluble admixtures on the structure of blocks of organic matters. p. 18.
Varikash, V.M. - Crystal growing by the osmosis method. p. 25.
Byteva, I.M. - Crystallization of ammonium phosphate. p. 28.
Mikulich, A.S. - Determination of the surface energy of mannitol and codeine in the solid state. p. 32.
TSedrik, M.S. - Crystallization of supercooled betol and azobenzene. p. 35.
Meleshko, L.O. - Determination of the temperature dependence of water activation energy. p. 40.
Meleshko, L.O. - Phase transitions in porous materials of granular structure. p. 53.
TSedrik, M.S., Slavinskii, Ch.S. - Refractive index as dependent on temperature and concentration for aqueous solutions of some inorganic substance. p. 58.
TSedrik, M.S., Malishevskii, V.F. - Conductance of some aqueous solutions. p. 62.
Mikulich, A.S. - Determination of the surface energy of benzophenone. p. 66.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classed Index of Articles in Foreign Periodicals]. No. 6(126), May-June 1964.

*RADIOKHIMIIA [RADIOCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 6, 1963.
Table of contents translated:
Miakishev, K.G., Klokman, V.R. - Effect of the nature of the fusing agent on the formation of anomalous mixed crystals CaF_2 - CeF_3 and CaF_2-YF_3. p. 649.
TSitsishvili, G.V., Krupennikova, A.IU. - Sorption of strontium ions on a sodium molecular sieve. p. 656.
Fu-tszian', Van [Wang Fu-chün] and others. - Sorption of gold on cation exchangers from chloride solutions and its carrier-free isolation. p. 661.

[illegible] M., [illegible], G.A., Shcherba[illegible] – [illegible] U (IV) with [illegible] studied by the [illegible]

[illegible], V.A., [illegible], M.[illegible] – Infrared spectra [illegible] of uranyl nitrate with cesium and pyridinium nitrates. p.668.

[illegible], V.I., [illegible], G.P., Pushk[illegible], M.V. [illegible] of americium with [illegible] p.674.

[illegible], I.F., [illegible], I.I. – State of the micro-[illegible] solutions. Cation [illegible] p.677.

[illegible], F.T., [illegible], O.IA. – Solubility of [illegible] of salting-out agents.

[illegible], Z.I., Sar[illegible], O.IA. – Solubility of [illegible] of the chlorides of [illegible], praseodymium, neodymium, and [illegible] at 25 C. p.[illegible]

[illegible], V.P., Stepanov, A.V., N.I.Gorsh[illegible] – [illegible] separation of strontium from the [illegible] of calcium by the method of [illegible] reds. p.693.

Brandshtetr, I., and others. – Chromatographic [illegible] of rare-earth elements and some actinides [illegible] exchangers in the presence of radio-[illegible] precipitating with LaF_3. p.694.

Brandshtetr, I., and others. – Study of the products [illegible] of heavy elements with multicharge ions. Part 1. Radiochemical determination of Ac^{224} and Ac^{225} occurring during the irradiation of uranium and thorium by nitrogen and neon ions. p.[illegible]

Brandshtetr, I., and others. – Study of the products of reactions of heavy elements with multicharge ions. Part 2. Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions. p.7[illegible]

[illegible], B.A., [illegible], IU.T. – Preparation of films of the oxides of Th, U, Pu, and rare-earth elements by electrodeposition from organic solutions. p.712.

Brandshtetr, I., and others. – Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions Part 1 Fission of Th^{212} induced by O^{18} and Ne^{22} ions. p.715.

Lavrukhina, A.K., and others. – Further study of the products of iron spallation by 660 MeV protons. p.721

[illegible], A[illegible], Lavrukhina, A.K. – Separation of lead and thallium from the products of bismuth photodisintegration. p.732.

[illegible], V.M., and others. – Extraction of uranyl nitrate with trioctylamine from neutral solutions. p.737.

[illegible], V.M., and others. – Heat of solution of uranyl nitrate and some of its complex compounds. p.739.

Kanevskii, E.A., Filippov, A.P., Vel'matkin, M.I. – Optimal region of pH in the sulfuric acid dissolution of uranium dioxide in the presence of various oxidizers and Fe (II) ions. p.741.

Nikol'skaia, V.D., Fedulova, A.A. – Synthesis of plutonyl carbonates. p.744.

Moskvin, L.N. – Partition chromatography on fluoroplast 4. Separation of europium from other rare-earth elements. p.747.

Kaliamin, A.V. – Separation of Bi, Hg, and Ag from complex mixtures of elements by partition chromatography. p.749.

REFERATIVNYI ZHURNAL KHIMIIA [JOURNAL OF ABSTRACTS CHEMISTRY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.10, May 1964

* ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.36, no.6, June, 1962.

Table of contents translated

Artym, R I – Calculation of the thermodynamic functions of polyatomic molecules. p.1129.

Kniaev, A V. – Utilization of ionized air and unipolar aerosols. p.1135.

Nassonov, M P. – Effect of adsorbed atomic hydrogen on hydrogen overvoltage. p.1140.

Gaczy, L., Gal, D. – S^{35} tracer study of the mechanism of oxidation of mercaptoacetic acid. Part 1. p 1150.

Izmailov, N.A., Spivak, L.L. – Thermodynamic properties of electrolytes in nonaqueous solutions. Part 13. p.1158.

Isirikian, A A., Kiselev, A.V. – Absolute adsorption isotherms for nitrogen, benzene, and n-hexane vapors and the heats of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 1 p.1164.

IArym-Agaev, N L, Kogan, E A, Soldatova, E D. – Calculation of the saturated vapor pressure in binary systems in which the chemical interaction between components occurs in the vapor phase. p 1173

Ermakov, V I., Zagorets, P A, Smirnov, N.I. – Study of solutions by high-frequency methods. Part 1. p.1180.

Semenchenko, V K., Shukurov, B. – Conductance of electrolyte solutions in glycol with admixtures. p.1186

Brounshtein, B.I., IUrkov, G.N. – Approximate method for the calculation of the thermodynamic functions of diatomic ideal gases at high temperatures taking the higher anharmonicity constants into account. p 1191.

Roikh, I L, Rafalovich, D M. – Relation between the weight increase of the oxide film and the amount of H_2O_2 evolved in the atmospheric corrosion of magnesium. p.1198.

Spirin, IU.L. – Activation energy of radical reactions. p.1202

Kolda, N U., Bukhbinder, M.A. – Height and rate of capillary rise in a porous medium. p.1205.

Izmailov, N.A., Mushinskaia, S.Kh. – Thermodynamics of ion exchange of organic ions p.1210.

Efimov, E.A, Erusalimchik, I.G., Sokolova, G.P. – State of the surface of anodically polarized silicon in hydrofluoric acid solutions. p.1219.

Efremov, IU V., Golubev, I F. – Surface tension at the liquid – gas interface at high pressures. p.1222.

Zakharov, V.A., Songina, O A. – Behavior of iodide and iodine on the platinum microelectrode. p.1226.

Kolotyrkin, IA.M, Kniazheva, V.M. – Behavior of the electrode potential of anodically passivated chromium and its iron alloys in the process of self-activation in sulfuric acid solution. p.1232.

Grabova, E.I. – Refractive index of electrolytes in the electrolysis of $CuSO_4$ and $ZnSO_4$ in the presence of some addition agents. p 1241.

Izidinov, S.O., Borisova, T.I., Veselovskii, V.I. – Electrochemical and photoelectrochemical behavior of the silicon electrode in acid and alkaline solutions. p.1246

Elovich, S.IU., Semenovskaia, T D – Specific catalytic activity of nickel catalysts in the hydrogenation of fats. p.1255.

Borisova, E.N, Eremin, E.N. – Mechanism of the conversion of methane to acetylene in electric discharges. Part 1 p.1261.

Gnusin, N P. – Criterional equation for the relation between primary and secondary current distribution. p.1269.

Palatnik, L.S., Gorban', N.D – Study of multicomponent heterogeneous systems by phase mass measurement. Part 3. p.1276.

Baibuz, V.F. – Heat losses in explosions in a spherical bomb. p.1280.

Rodnikova, I.V., Surnina, O.K. – Determination of the position of the vinyl group in vinyl diphenyl oxide isomers from the absorption spectra. p.1287.

Slavinskaia, N.A, and others. – Effect of ionized radiation on the kinetics of butane oxidation. Part 2. p.1293.

Polukarov, IU M, Rastorguev, L.N., Shevkun, I.G. – Magnetic properties and structure of electrolytic deposits of a cobalt-tungsten alloy. p.1299.

Chaikin, A.M. – Role of the vessel surface in the thermal reaction of chlorine with ethylene. p 1306.

Kilanina, G L., Shlygin, A.I. – Mechanism of the electrolytic oxidation of sodium sulfite. p.1310.

Pamfilov, A.V., Dolgaia, O. M. – Surface diffusion in the electrodeposition of cadmium. p.1313.

Golutvin, IU.M. – Heats of formation and the nature of chemical bonds in transition metal silicides, p.1315.

Lazarev, V.F, Levin, A.I. – Nature of the polarization in the formation of lead from lead sulfate. p.1318.

Golland, S.M., Krapivina, T K., Lazarev, V.I. – Isotopic exchange of hydrogen sulfide with the products of its sorption on catalytic and activated carbon. p.1320.

Biakov, V.M., Stepanova, O.P – Some correlations in the process of recrystallization of a polydisperse system. p.1324.

Nikol'skii, B.P., Shul'ts, M.M. – Some aspects of glass electrode theory. p.1327.

Pokhil, P.F., Romodanova, L.D., Rysakova-Romashkan, O.P. – Process of combustion of model two-component oxidizing agent — fuel mixtures. p.1331.

Firsova, L P. – Determination of the condensation coefficient from the rate of saturation of a confined space or of the effusion chamber space. p.1332.

Roikh, I.L. – Determination of the absolute amount of H_2O_2 evolved in the atmospheric corrosion of metals. p.1335.

Usachev, D.N. – Mechanism of the formation of trivalent chromium in the chromium plating process. p.1337.

Soklakov, A.I., Mel'nikova, S.V. – Electric resistance of sulfur – phosphorus and sulfur – arsenic melts. p.1339.

Semerikova, I.A, Alabyshev, A.F. – Density and viscosity of some melts of the system NH_4F – HF p.1341.

Zalkin, V.M. – Oriented crystallization. p.1344

Uvarov, A.V – Application of infrared spectra [illegible] for the study of the reaction of water with the surface of aluminum oxide. p.1346.

Selivanova, N.M., Leshchinskaia, Z.L., Klushina, T.V. – Physicochemical properties of selenites Part 1. p.1349.

Panov, A.S., Kulikov, I.S., TSylov, I.M. – Surface tension and density of CaO – SiO_2 – CaS melts p.1353.

Strekalovskii, V.N., Neuimin, A.D., [illegible], A.F. – Electric conductivity of higher uranium oxides in a hydrogen stream. p.1355.

Pozharskaia, G.V., Evseev, A.M. – Thermodynamic properties of alloys of the system manganese – nickel, p.1358.

Shcherbakov, P.S. – Effect of sodium nitrite on the corrosion of low-carbon steel at varying rates of its motion in seawater. p.1360.

Kuznetsov, F.A., Rezukhina, T.N. – Thermodynamic properties of praseodymium oxides. p 1364

Agafonov, I.L., and others. – Mass spectrum of monogermane. p.1367.

Kuleshov, I.M., Sadikov, G.G., Sokolova, Z.A. Neutronographic study of high temperature beryllium oxide. p.1369.

Zhukov, A.A. – Geometry of the phase diagrams of iron-carbon and iron-carbon-silicon alloys. p.1371.

Dmitriev, V.A – Dissolution potentials of aluminum in electrolytes for chemical polishing. p.137[illegible]

Chuveleva, E.A, Nazarov, P.P., Chmutov, K.V. Ion-exchange sorption of radioactive elements by soils. Part 4. p.1378.

Kudriavtsev, A.S., and others. – Catalytic properties of the complex compounds of metals with Schiff bases. p.1382.

Beliaeva, V.A. – New design of rotating disk electrodes. p.1385.

TSinman, A.I. – Decrease of hydrogen overvoltage on a mercury cathode caused by the possible dissolution of the platinum anode. p.1388.

Tur'ian, IA.I. – Polarographic determination of the equilibrium constant of proton exchange between alcohol molecules and water molecules. p.13[illegible]

TSentsiper, A.B. – Second conference on the chemistry of peroxide compounds. p.1392.

Kuleshov, I.M. – Academician Viktor Ivanovich Spitsyn; on his sixtieth birthday. p.1395.

Vol.37, no.4, Apr. 1963.

Table of contents translated:

Samsonov, G.V., and others. – Ion exchange on ion exchangers involving penicillin. p.725.

Tarasenkov, D.N., Kogurova, M.I. – Intersection of conoids and phase distribution of components in ternary systems with closed demixing [illegible] p.730.

Vecher, A.A., Gerasimov, IA.I. – Thermodynamic properties of binary metallic systems studied by the electromotive force method. Part 9. p.7[illegible].

Savina, M.N., and others. – Catalytic decomposition of H_2O_2 under the combined action of sodium molybdate and salts of the zinc subgroup. Part I. p.740.

Tulupov, V.A. – Latent forms of homogeneous catalysis. p.753.

Blakov, V.B. – Motion of deformed gas bubbles in liquids. p.759.

Komandin, A.V., Sizov, L.I., Shimit, B.D. – Dielectric constant and dielectric losses of o-hydroxybenzoic acid derivatives in the liquid state. p.764.

Kiselev, A.V., Poshkus, D.P. – Statistical calculation of the total energy and entropy of argon adsorbed on graphite. p.770.

Davydov, A.A., Maslov, V.N. – Method of detecting the inhomogeneities of the specific resistance in germanium by copper electrodeposition. p.778.

Moiseev, IU.V., Bakhrakh, E.IA., Vinnik, M.I. – *Kinetics of hydrolysis on N-methylacetamide in* KOH aqueous solutions. p.784.

Khodzhaeva, I.V., Kissin, IU.V. – Effect of the structure of diethyldithiocarbamates on the character of their isotopic exchange with S^{35}. p.791.

Pavlov, V.V., Popel', S.I., Esin, O.A. – Calculation of the surface tension of liquids from the excess isochore-isoterm potential. Part 2. p.797.

Kogan, V.A., Semionov, A.A. – Phase diagram of alloys of the lead-enriched system lead – antimony – tin. p.802.

Burtseva, I.K., Krasil'shchikov, A.I. – Passivity and intercrystalline corrosion of stainless steel in nitric acid. Part 2. p.810.

P[illegible], V.[illegible], O[illegible], I.A. – Effect of an elec-[illegible] of elements in [illegible]

Izmailov, N.A., Chernyi, V.S., Spivak, L.L. - Thermodynamic properties of nonaqueous electrolyte solutions. Part 14. p. 822.
Galaktionov, IU.P., Lidin, R.A., Astakhov, K.V. - Polarographic study of the complex formation of europium with ethylenediaminotetraacetic acid. p. 829.
TSentsiper, A.B., Eremin, E.N., Kobozev, N.I. - Conversion of hydrocarbons to acetylene in the electric discharge in a static system. Part 1. p. 835.
Losev, V.V., Gorodetskii, V.V. - Effect of the acidity of solution on the electrode processes on a bismuth amalgam electrode. p. 842.
Selivanova, N.M. - Approximate estimate of the standard entropies of crystalline selenates. p. 850.
Dezider'ev, G.P., Berezina, S.I., Gorbachuk, G.A. - Adsorption of hydrogen on a platinum cathode. p. 856.
Flerov, V.N., Flerov, Viach.N. - Causes of lead electrode polarization in alkaline solutions in the case of superimposed alternating current. p. 862.
Shatalov, A.IA., Bondareva, T.P. - Kinetics of the anodic oxidation of niobium in some electrolytes. p. 868.
Miuller, R.L., Shreiner, E.S. - Kinetics of dissolution of borax in aqueous dioxane solutions. p. 875.
Skarre, O.K., and others. - Effect of the nature of cation on the mobility of oxygen atoms in anion in aqueous solutions. Part 3. p. 879.
Papulov, IU.G. - Interaction of atom pairs and the properties of X-substituted benzenes. p. 881.
Fedorova, N.S. - X-ray diffraction study of fluoride films on aluminum. p. 883.
Mairanovskii, S G., Polievktov, M.K. - Polarographic determination of the diffusion coefficient of alkali metal nitrates. p 885.
Margolin, A.D - Thermal explosion with constant distribution of the heat source. p. 887.
Sozin, IU.I., Gorbachuk, G.A. - Mechanism of oxide film formation on the surface of electrolytically polished copper. p. 888.
Kholpanov, L.P. - Theory of electrolysis in redox systems under conditions of simultaneous chemical and concentration polarization. Part 1. p. 890.
Arshakuni, R.G., Kolchin, A.M., Panchenkov, G.M. - Mass spectrometric isotope analysis of germanium. p. 893.
Voronin, G.F. - Determination of the vapor composition by analyzing molecule velocities. p. 897.
Libinson, G.S., Savitskaia, E.M. - Kinetics of ion exchange processes. Part 3. p. 899.
Zamkov, V.A. - Electrooptical phenomena in solutions of macromolecules. p. 901
Maksimova, I.N., IUshkevich, V.F - Electric conductance of NaOH solutions at high temperatures. p. 903.
Lazarev, V.B., Pershikov, A.V. - Surface tension of strontium. p. 907.
Samoilova, A.N., and others. - Absorption spectrum originated by photolysis of boron chloride with ozone. p. 909.
Kravchenko, A.V., Rylov, V.S. - Separation of magnesium isotopes in the system magnesium amalgam - aqueous solution of $MgCl_2$. p. 910.
Shchegrov, L.N. - Phase composition of the products of hydrolysis of titanium tetrachloride. p. 912.
Emel'ianenko, G.A., Afanasenko, V.I. - Kinetics of the electrolysis of a chromium electrolyte at various temperatures. p. 915.
Samgina, G.A., Kudriavtsev, B.B. - Velocity of sound in iodine solutions. p. 918.
Strel'nikova, Zh.V., Lebedev, V.P. - Action of acids on platinum adsorption catalysts in the decomposition of hydrogen peroxide. p. 920.
Egorov, V.P., Lebedev, V.P., Kobozev. - Physical chemistry of concentrated ozone. Part 14. p. 922.
Gorbachev, S.V., Zotov, N.A. - Kinetics of the electroreduction of cupric chloride in nonaqueous solvents. p. 924.
Akshinskaia, N.V., Kiselev, A.V., Nikitin, IU.S. - Geometric modification of a skeleton of xerogels. Part 2. p. 927.
Grigor'ev, G.A., Belashchenko, D.K. - Effect of isotope separation during electron transfer in liquid metals. p. 929.
Karasik, A.S., Kuznetsov, V.V. - Ultrasonic testing plant for electrochemical studies. p. 930.
Liashkevich, N.I. - Accuracy of the cryoscopic analysis of small samples as dependent on the shape of the specimen. p. 933.
Mikhailovskii, IU.N. - Apparatus for studying electrochemical and corrosion processes taking place on electrodes during polarization by pulsating or alternating currents with varying degrees of asymmetry. p. 937.
Nesterko, N.A., Rossikhin, V.S., Tverdokhlebov, V.I. - Study of flame ionization by the electrode method. p. 940.
Ostrovskii, I.A.,- Impossibility of the limited mutual solubility of gases. p. 942.
Krichevskii, I.R., TSiklis, D.S. - Reply to the article by I.A. Ostrovskii "Impossibility of the limited mutual solubility of gases." p. 945.
Sharpatyi, V.A., IAnova, K.G. - Stabilization by anions of the oxidizing component of water radiolysis. p. 948.
Kondrat'ev, V.N. - Information about the journal "Chistaia i prikladnaia khimiia." p. 950.

Vol. 38, no. 3, Mar. 1964.
Table of contents translated.
Akhumov, E.I., Rozen, B.IA. - Relation between the relative adsorption of bromine and iodine by mineral adsorbents from aqueous solutions in the presence of salts. p .537.
Finikov, V.G., Zykova, G.N. - Isotopic exchange of oxygen in the systems WO_3 - O_2 and $Na_2W_4O_{13}$ - O_2 . p. 542.
Khaikin, B.I., Feoktistov, L.G. - Limiting current in the case of deactivation of the electroactive substance by the product of electrochemical reaction. p. 547.
Marina, L.I., and others. - Study of alloys of the system gallium - gallium phosphide. p. 551.
Lukovtsev, P.D., Slaidin', G.IA. - Rate of diffusion of protons in nickel oxides and the oxygen overvoltage on a nickel oxide electrode. p. 556.
Zelankin, V.I., Kutsev, V.S. - Heat of formation of hafnium carbide as dependent on the composition. p. 562.
Belashchenko, D.K. - Possible mechanism for thermal diffusion in metallic solutions. p. 565.
Bardin, M.B. - Certain adsorption phenomena in cathodic polarography with solid electrodes. p. 571.
Suetin, P.E., Ivakin, B.A. - On a certain problem in three-component diffusion. p. 576.
Beliaev, A.F., Kurbangalina, R.Kh. - Realization of detonation conditions for black powder. p. 579.
Susarev, M.P., Gorbunov, A.N. - Calculation of liquid - vapor isothermal equilibrium in ternary systems of which two components form a system with small deviations from the laws of ideal solutions. p. 583.
Efimov, E.A., Erusalimchik, I.G. - Effect of electrical and structural inhomogeneities on the process of anodic dissolution of germanium. p. 589.
Meluzova, G.B. - Chemiluminescence of the thermal decomposition of hydrogen peroxide in water. p. 593.
Antonov, A.A., Maslov, P.G. - Thermodynamic properties of some aldehydes, ketones, and carboxylic acids. p. 600.
Vinnik, M.I., Riabova, R.S. - Use of the indicator method for determining the concentration of ions and nondissociated particles, p. 606.
Rudenko, A.P., and others. - "Macromechanism" of carbon formation in the decomposition of benzene on compressed carbon black. p. 616.
Malants, L.S. - Intramolecular rearrangements and vibrations of molecules. p. 623.
Zarakhani, N.G., Vinnik, M.I. - Composition and equilibria in aqueous solutions of carboxylic acids. p. 632.
Denisov, E.T., Kharitonov, V.V. - Mechanism of inhibition of cyclohexanol oxidation by α-naphthol. p. 639.
Lisnianskii, L.I., Vuks, M.F. - Diffusion in nonideal solutions. p. 645.
Lopushanskaia, A.I., Pamfilov, A.V., TSisar', I.A. - Irreversible processes in electrochemistry. Part 5. p. 650.
Buevich, IU.A. - Diffusion processes at mobile surfaces of the interfacial boundary. Part 1. p. 658.
Rachinskii, V.V., Rustamov, S.M. - Theory of ion exchange dynamics. Part 6. p. 664.
Levin, P.I. - Mechanism of the phosphite inhibition of hydrocarbon oxidation. p. 672.
Materova, E.A., Skabichevskii, P.A. - Electrochemical properties of zirconyl phosphate. Part 1. p. 676.
Soldatov, V.S., Starobinets, G.L. - Thermodynamics of ion exchange on sulfonated copolymers of styrene and divinylbenzene. Part 2. p. 681.
Efremova, G.D., Prianikova, R.O. - Phase and volume relations in the system adiponitrile - ammonia. p. 686.
Epikhin, IU.A., Stakhanova, M.S., Karapet'iants, M.Kh. - Changes in volume and heat capacities in aqueous salt solutions. Part 3. p. 692.
Mazitov, IU.A., Rozental', K.I., Veselovskii, V.I. - Ionization of oxygen at a three-phase boundary in alkaline solutions. p. 697.
Kornilov, A.N., and others. - Standard heats of formation of tantalum carbides from the phase Ta_2C. p. 702.
Bibi, R.A., and others. - Adsorption and state of CO_2, SF_6, and NH_3 on a graphitized carbon surface. Part 1. p. 708.
Demchenko, V.V. - Activation energy of self-diffusion in metals. p. 719.
Efimov, E.A., Erusalimchik, I.G., Gorgorski, E.I. - Reduction of the persulfate ion on a germanium cathode. p. 720.
Koltun, M.M. - Nature of the film on the surface of a silicon photocell during anodic etching. p. 723.
Fomin, O.K., Tikhomirov, M.V. - Surface ionization of organic molecules on platinum. p. 725.
Khachaturian, O.B. - Kinetic method of determining concentration in reversible redox systems. p. 728.
Kolesnikov, I.M. - Kinetics of catalytic reactions in the liquid phase when a substance is continuously and regularly added to the system. p. 732.
Glavatskii, D.E., Kortnev, A.V., Kutsenko, A.N. - Effect of a high-voltage pulse discharge through the bulk of a solution on the crystallization process. p. 737.
Kreshkov, A.P., and others. - Properties of some oxygen-containing organosilicon compounds in a liquid hydrogen fluoride medium. p. 738.
Biriukov, V.V. - Methods for the approximate integration of kinetic equations. p. 740.
Smirnova, V.I., and others. - Electron paramagnetic resonance study of the structure and behavior of radicals arising under the effect of γ-, β, and ultraviolet rays on acetaldehyde and formaldehyde. p. 742.
Kirgintsev, A.N., Efanov, L.N. - Transitions from stable to metastable states. Part 2. p. 745.
Likhtenshtein, G.I., Sukhorukov, B.I. - Kinetics of cooperative processes. p. 747.
Andreev, B.M., TSionskii, V.M. - H - D isotopic equilibrium in the system consisting of gaseous hydrogen and its solution in palladium. p. 751.
Zharkova, L.A., Barancheeva, N.G. - Thermodynamic properties of $MeMoO_3$-type compounds. Part 1. p. 752.
Bialiozor, S.G. - Nature of the circuit closing peak on the time-potential curve. p. 754.
Zaburdaeva, F.I., Kochegarov, V.M., Kharin, A.N. - Electrodeposition of antimony from the trifluoride electrolyte. p. 756.
Reznitskii, L.A. - Determination of the heat of formation of silicon dioxide by the electromotive force method. p. 760.
Cherkesov, A.I. - Empirical equations for calculating λmax of the absorption bands of organic compounds with linearly conjugated bonds. p. 762.
Petrova, E.F., Shvartsman, L.A. - Determination of the thermodynamic activity of carbon in chromium alloyed iron using radioactive C^{14}. p. 765.
Zakharov, V.A., Songina, O.A. - Anodic oxidation of arsenite ion on a rotating platinum electrode. p. 767.
Panchenkov, G.M. - Dynamics of unsteady physicochemical processes in a flow in the case of the process rate obeying the bimolecular reaction law. p. 770.
Pal'm, U.V., Past, V.E. - Hydrogen overvoltage on bismuth. p. 773.
Miliutinskaia, R.I., Bagdasar'ian, Kh.S. - New data on the sensitized formation of cation radicals in the low temperature radiolysis of films containing aromatic amines. p. 776.
Fisher, I.Z. - Comments on the kinetic theory of liquids. p. 778.
Kostriukov, V.N., Kalinkina, I.N. - Heat capacity and entropy of Mn, Fe, Co, and Ni carbonates at low temperatures. p. 780.
Rybakov, B.N., Nikolaeva-Fedorovich, N.V., Zhutaeva, G.V. - Experimental proof of the effect of ohmic potential drop in the bulk of solution on the limiting current of the electroreduction of anions. p. 782.
Komandin, A.V., Smirnova, A.D. - Dielectric properties of benzophenone in the liquid state. p. 783.
Bogunov, G.A., Gorbachev, S.V. - Electrochemical processes on an alternating polarizing electrode. Part 4. p. 785.
Vagramian, A.T., Zhamagortsian, M.A. - Effect of hydrogen on the reduction rate of cobalt ions. p. 788.
Gorbachev, S.V., Kravchinskii, A.P. - Possibility of absolute measurements of the rates of electrochemical reactions. p. 789.
Andreev, IU.P., and others. - Dissociation of carbon dioxide in the silent electric discharge. p. 794.
Sorokin, IU.A., Pshezhetskii, S.IA. - Decomposition of ammonia by γ-rays. p. 798.
Evseeva, G.V., Evseev, A.M., Zenkevich, L.V. - Thermodynamic properties of alloys of the system cadmium - thallium. p. 801.
Kalmakov, E.A. - Determination of the mobility of ions of cobalt and copper impurities in LiCl and HCl solutions. p. 802.
Guseva, A.N., Parnov, E.I. - Isothermal sections of binary systems monocyclic arenes - water at 25, 100, and 200°C. p. 805.
Radushkevich, L.V., Kolganov, V.A. - Use of drying oil fogs in studying filtration of aerosols. p. 806.
Panchenkov, G.M. - Comments on the article by I.P. Vyrodov, P.S. Bud'ko, L.V. Derkach "Use of kinetic concepts of liquid structure for determining the sizes of molecules." p. 809.
Zaitsev, A.A., Krasnov, K.S. - Some errors in the use of an ionic model of a molecule. p. 811.

[illegible] M. V. - Surface ionization [illegible] and nickel. [illegible]

[illegible] L. P. - "Ionization constants [illegible] A laboratory manual." p. 815.

[illegible] by A. G. Pas[illegible]skii p. 817.

[illegible] V.D., [illegible], D.I. - [illegible] on his sixtieth [illegible]

[illegible] JOURNAL OF GENERAL CHEMISTRY. Iss[illegible] Akad[illegible] nauk SSSR (Academy [illegible] U.S.S.R.) Moscow, vol 34, no 5, Ma[illegible] 1964

Table of contents translated

[illegible], I.M., [illegible], IU.I., Vitman, E.O. - Physicochemical investigation of the ternary system [illegible] - acetamide - acetic acid. p. 1363.

[illegible], I.M., [illegible], IU.I., Uemlianina, I.B. - Physicochemical investigation of the ternary system [illegible] - acetamide - monochloroacetic acid. p. 1366.

[illegible], I.M., [illegible]kina, IU.I., Vitman, E.O. - Physicochemical investigation of the ternary system phenol - [illegible]acetic acid - trichloroacetic acid. p. 1369.

[illegible], I.M., [illegible]kina, IU.I., Vitman, E.O. - Physicochemical investigation of the ternary system phenol - acetic acid - monochloroacetic acid. p. 1372.

Pa[illegible]kov, A.G., Il'iasov, I.I., Bergman, A.G. - Melting diagram of the ternary system urea -naphthol-cinnamic acid. p. 1375.

Krupatkin, I.L., Medvedeva, N.D. - Demixing ternary systems with three complexes. Part 1: Prevailing system is irrational. p. 1379.

[illegible], I.A., Kostikov, R.R. - Cyclopropanes and cyclopropenes. Part 1: Synthesis of stereoisomeric 1,2-di-n-butylcyclopropane-3-carboxylic acids and their esters. p. 1383.

Zakharova, A.I., Il'ina, G.D. - Diacetylene hydrocarbons. Part 2: Preparation and hydrogenation of [illegible] tetramethyl-3,5-octadiyne. p. 1389.

Sadykh-zade, S.I., Shikhiev, I.A., Khalilova, E.M. - Addition of silane hydrides to acetylenic alcohols and their derivatives. p. 1393.

[illegible]laova, T.B., Zalesskaia, T.E. - Mechanism of the isomeric transformation of ketones. Part 2: Action of 72% chloric acid on pivalophenone containing C^{14} in carbonyl. p. 1395.

Vasil'eva, M.V., Khaletskii, A.M. - Molecular compound of β-sitosterol with metal chlorides. p. 1400.

Gridina, V.F., Klebanskii, A.L., Bartashev, V.A. - Synthesis of fluoro alkyl derivatives of borazole. p. 1401.

Shostakovskii, M.F., Vlasov, V.M., Grenovskii, P.I. - Polyfunctional acetals. Synthesis of acetylenic acetals based on primary and secondary acetylenic alcohols and vinyl alkyl ethers. p. 1403.

Butskus, P.F., Butskene, A.I. - Reaction of α-amino acids with acrylamide. p. 1407.

Kh[illegible]rova, N.M., Pushkareva, Z.V., Radina, L.B. - Synthesis of hydrazides of natural α-amino acids. Part 1: N'-substituted hydrazides of some natural α-amino acids. p. 1409.

A[illegible], A.A., and others. - Synthesis and transformations of α-substituted δ-methyl-δ-hydroxy-γ-caprolactones. p. 1413.

Vereshchagin, L.I., and others. - Furylalkynes. Part 1: Synthesis and some properties of furylacetylenic alcohols and glycols. p. 1419.

Mamedov, Shamkhal, Agaev, A.S., Eminova, Z.T. - Glycol ethers and their derivatives. Part 73: Synthesis of β, γ'-dihalo ethers. p. 1427.

Mamedov, Shamkhal, Aminimualid, R.A., Agaev, A.S. - Glycol ethers and their derivatives. Part 74. Synthesis of dialkoxydimethyl ethers of diethylene glycol. p. 1431.

Mamedov, Shamkhal, Dzhalilov, T.N., Avanesian, M.A. - Glycol ethers and their derivatives. Part 75. Synthesis of alkoxymethyl ethers of 1,3-dimethyl-4,6-dioxydimethylbenzene. p. 1434.

Dashunin, V.M., Tovbina, M.S. - Allyl ethers of 3-hydroxy-γ-pyrone derivatives in the Claisen reaction. p. 1438.

Zhmurova, I.N., Drach, B.S. - Trichlorophosphazo alkyls. p. 1441.

Protopopov, I.S., Kraft, M.IA. - Reaction of phenol ethers with phosphorus trichloride. Part 2: Interaction of dimethyl ether of resorcinol with phosphorus trichloride. p. 1446.

IAkhontov, L.N., Uritskaia, M.IA., Rubtsov, M.V. - Derivatives of 7-azaindole. Part 6: Synthesis of 4-methyl-7-azaindole and its 6-chloro, 6-iodo, and 6-methoxy derivatives. p. 1449.

IAkhontov, L.N., Uritskaia, M.IA., Rubtsov, M.V. - Derivatives of 7-azaindole. Part 7: Dehydrogenation of indoline and 7-azaindoline derivatives with sodium in liquid ammonia. p. 1456.

Petrov, K.A. and others. - Synthesis and alkylation of phosphites and phosphinites of 1,2,3,5-diisopropylidene galactose and 1,2,3,5-diisopropylidene glucose. p. 1459.

Stratienko, V.T., Shevchenko, V.I. - Phenyldimethyl- and phenyldiethylphosphazo aryls. p. 1463.

Voronkina, T.M., Strukov, I.T., Shostakovskii, M.F. - Synthesis of precursors and fragments of antibiotics. Part 12: Condensation of organosilicon compounds with thioglycolic acid and its ethyl ester. p. 1464.

Stepanova, O.S., Glinskaia, L.IA. - Synthesis and transformation of alkoxymethyl alkyl malonic esters. Part 5. Synthesis and some transformations of alkoxymethylheptylmalonic esters. p. 1467.

Naidan, V.M., Dombrovskii, A.V. - New method for preparation of aryl acetic acids. p. 1469.

Shevchuk, M.I., Dombrovskii, A.V. - Preparation of isopropenyl aryl ketones by the Wittig reaction. p. 1473.

Zhinkin, D.IA., Mal'nova, G.N. - Ammonolysis of methyl (1,1,1,2,3,3-hexafluoroprophyl) dichlorosilane. p. 1477.

Galust'ian, G.G., TSukervanik, I.P. - Acylation of furan derivatives in the presence of iron and iron chloride. p. 1478.

Beliakova, Z.V., IAkusheva, T.M., Golubtsov, S.A. - Reaction mechanism of addition of hydrides of chlorosilanes to acrylonitrile. p. 1480.

Poliakova, A.A., Khmel'nitskii, T.A., Petrov, A.A. - Mass spectra and structure of organic compounds. Part 9: Mass spectra and structure of C_6H_6 hydrocarbons (1,3-and 2,4-hexadiynes and 1,5-hexadien-3-yne). p. 1484.

Mironov, A.F., and others. - Synthetic investigations on the dipyrrylmethane series. p. 1488.

Sopov, N.P., Kovner, M.L. - Preparation of 1,3-butadiene derivatives by pyrolysis of secondary alcohol acetates obtained on the basis of the condensation products of isoprene and piperylene with unsaturated aldehydes. p. 1492.

Sopov, N.P., Kovner, M.L. - Diene condensation of gem-substituted butadienes. p. 1496.

Obol'nikova, E.A., IAnotovskii, M.TS., Samokhvalov, G.I. - Synthetic investigations in the field of polyene compounds. Part 21: Synthesis of geranylacetone using the Wittig reaction. p. 1499.

Ponomarev, F.G., Kopteva, N.I., Shchetinina, G.I. - Nonsymmetrical organic α-oxides. Part 23: Condensation of glycidol ethers with sodium acetoacetic ester. p. 1502.

Zagorevskii, V.A., Glozman, Sh.M. - Pyran series, its analogs and related compounds. Part 6: Polycyclic pyran systems. 1) 4'-methyl- α -pyrono [5,6:6',5'] chromone-2-carboxylic and 3'-methylfurano[5,6:5'4] chromone-2-carboxylic acid and their derivatives. p. 1506.

Minkin, V.I., Mediantseva, E.A., Ostroumov, IU.A. - Application of the method of molecular orbitals to the study of the reactivity of Schiff bases. Methylation reactions. p. 1512.

Terent'ev, V.A., Antonovskii, V.L. - Infrared spectra and hydrogen bonding of cyclohexanone peroxides. p. 1516.

Ogloblin, K.A., Semenov, V.P. - Interaction of nitrosyl chloride with unsaturated hydrocarbons Part 11: Reaction with 2-chloropropene. p. 1522.

Ogloblin, K.A., Samartsev, M.A. - Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 12. Reaction with 2-pentene. p. 1525.

Ogloblin, K.A., Samartsev, M.A. - Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 13: Reaction with 2,2-dimethyl-3-pentene. p. 1530.

Romadan, I.A., Karele, B.IA. - Alkylation of anisole, phenetole, and o-cresol by molecular compounds of alcohols with boron fluoride. p. 1535.

Romadan, I.A., Veinberg, M.M. - Alkylation of p-cresol by molecular compounds of alcohols with BF_3 at elevated pressure. p. 1538.

Radina, L.B., and others. - Derivatives of acridine. Part 4: Synthesis of N^{α}-9-(6-chloro-2-methoxy) acridyl- α-amino acids. p. 1543.

Adrova, N.A., Khomenkova, K.K., Dubnova, A.M. - Synthesis of new derivatives of p-vinylbenzoic acid. p. 1545.

Fel'dman, I.Kh., Voropaeva, A.V. - Syntheses in the pyridine series. Part 5: Nucleophilic addition of thiopyridones to α, β -unsaturated compounds. p. 1547.

Chibiliaev, Kh.Sh., Voropaeva, A.V. - Syntheses in the pyridine series. Part 6: Addition of thiopyridones to α , β -unsaturated compounds. p. 1549.

Fedoseev, V.M., Evdokimov, IU.M. - S-derivatives of thiourea. Part 9: Synthesis of 2-alkyl(aryl)- and 2-dialkylamino-5-(isothiuronium bromide)-methyl- Δ^2-thiazoline hydrobromides. p. 1551.

Fedoseev, V.M., Filippovich, I.V. - S-derivatives of thiourea. Part 10: Preparation of 2-amino-5-bromo- Δ^2-dihydro-1,3-thiazine. p. 1556

Fedoseev, V.M., Filippovich, I.V. - S-derivatives of thiourea. Part 11: Product of the reaction of 2,3-dibromopropylamine hydrobromides with potassium thiocyanate. p. 1561.

Dokunikhin, N.S., Shein, S.M., Boguslavskaia, I.L. - Derivatives of anthraquinone. Part 4. Color and structure of 1-amino-2-benzoylanthraquinone and 7,8-phthaloylacridone derivatives. p. 1565.

Przhiialgovskaia, N.M., Mondodoev, G.T., Bel[illegible], V.N. - Reduction of naphtholcarboxylic acids. Part 12: Synthesis of 1,4-dihydro-2-methoxy-3-naphthoic acid and its methyl ester. p. 1570.

Simonov, A.M., Pozharskii, A.F. - Derivatives of benzimidazole. Part 16: Synthesis and [illegible] of N-aralkyl benzimidazoles. p. 1572.

Bednagina, N.P., Timonkova, G.N., Pa[illegible], I.V. - Benz- and naphthazole series. Part 5: 5,6-dimethyl-2-hydrazinobenzimidazole and its N-alkyl substituted derivatives. p. 1575.

Gorelik, M.V., and others. - Sulfonamides based on hexamethyleneimine. p. 1577.

Kulban, F., Dumitrescu, Z., Ambrush, I. - Derivatives of tetrahydronaphthalene. Part 2: Synthesis of some N,N-dichloroethylamino derivatives of the tetrahydronaphthalene series. p. 1581.

Chizhov, A.K., Lovshin, K.V., Sergievskaia, S.I. - Bis (β -chloroethyl)aminomethyl derivatives of azobenzene. Part 3: p-Hydroxy-m-(o)-carb[illegible]-bis(β-chloroethyl)-aminomethylazobenzenes, their derivatives and analog compounds. p. 1587.

Suvorov, N.N., Sorokina, N.P., Shagalov, L.B. - Derivatives of indole. Part 21: Synthesis of 4- and 6-chloroindolylbutyric acids. p. 1592.

Sorokina, N.P., Suvorov, N.N., TSvetkova, G.N. - Derivatives of indole. Part 22: Improved synthesis of tryptamines. p. 1595.

Baldabol, N.O., Medne, A.IA., Giller, S.A. - Synthesis and transformations of furan derivatives. Part 2: Derivatives of 2-amino- and 2-hydrazino-4-(5'-nitro-2'furyl)thiazoles. p. 1598.

Saidova, F.M., Sidorova, N.G. - Cycloalkylation of aromatic compounds. Part 26: Cyclohexylation and cyclopentylation of fluorene. p. 1601.

Shchukina, M.N., Golombik, E.S., Predvoditeleva, G.S. - Synthesis of analogs of antipyrine and pyramidon. p. 1605.

Ettingen, I.I., Strel'nikova, N.D. - Polychlorobenzenesulfonamides based on morpholine, piperidine, and cyclohexylamine. p. 1608.

Kucherova, N.F., Aksanova, L.A., Zagorevskii, V.A. - Derivatives of indole. Part 14: Synthesis of 4H-2,3-dihydrothieno[3,3-b]indoles. p. 16[illegible].

Sharkova, N.M., Kucherova, N.F., Zagorevskii, V.A. - Derivatives of indole. Part 15: Syntheses of some condensed indoline systems. p. 1614.

Kuznetsov, S.G., Khotianovskaia, Z.N., Kurnikova, N.I. - α-Cycloalkyl- α-phenylpropionic acids and their aminoalkyl esters. p. 1618.

El'tsov, A.V. - Oxa compounds. Part 3. p. 1622.

El'tsov, A.V., Ginzburg, I.M. - Derivatives of imidazole. Part 34. p. 1624.

Zakhs, E.R., Efros, L.S. - Derivatives of imidazole. Part 35: Benzimidazole 6,7-quinones. p. 1633.

Dubenko, R.G., Tanchuk, IU.V., Pol'kis, P.S. - Synthesis and investigation of trimethylenetrisulfone derivatives. Part 2: Arylhydrazono- and arylazo derivatives of trimethylenetrisulfone. p. 1636.

Denis, G.I., Chekuolene, L.V., Butskus, P.F. - Alkylation of aniline by Mannich bases. p. 1639.

Topchiev, A.V., Kutepov, D.F. - Synthesis and transformations in the diaryl urea series, Pt. 15. Nitration of symmetrical diphenylurea in the presence of catalysts. p. 1640.

Mironov, G.S., Farberov, M.I., Bespalova, I.I. - Synthesis of carbonyl monomers based on Mannich reaction. Part 5: Synthesis of pentadienals. p. 1642.

Viazankin, N.S., and others. - Disproportionation of hexaethyldigermane. p. 1645.

Pigulevskii, G.V., Sokolova, A.E. - Reduction of oleic acid oxide and oleyl alcohol oxide by lithium aluminum hydride. p. 1647.

Pigulevskii, G.V., Sokolova, A.E. - Reduction of petroselinyl and erucyl alcohols by lithium aluminum hydride. p. 1651.

Gura, IU., Kheifits, L.A. - Terpene phenols. Part 18: Condensation of norbornene with thymol and further transformations of the condensation product. p. 1655.

Matiash, L.F., Stepanov, V.M. - Preparation of gramicidin C derivatives containing heavy atoms. p. 1658.

Abubakirov, N.K., Atmanmuradov, K. - Triterpenic glycoside vacaroside from seed cowherb. p. 1661.

Vizner, K., Kuzovkov, A.D., Platonova, T.F. - Aconitine alkaloids. Part 20: Isooldeline, its structure and transformations. p. 1666.

Siu Zhen'-shen' [Hsü Jên-shên], Kuzovkov, A.D. - Leontice eversmannii Bge. alkaloids. Part 6: Structure of leontidine. p. 1669.

IUsupov, M.K., Sadykov, A.S. - New alkaloids from Colchicum kesselringii Rgl. p. 1672.

IUsupov, M.K., Sadykov, A.S. - Alkaloids K-3 and K-4, derivatives of colchicinic acid. p. 1677.

Kozhin, S.A., Kainova, G.G. - Preparation of sterochemically uniform carvomenthene oxide. p. 1680.

Zefirov, N.S., Davydova, A.F., IUr'ev, IU.K. - Cis-bromination of dimethyl ester of 3,6-endoxodihydrophthalic acid. p. 1681.

Safonova, T.S., Myshkina, L.A. - Preparation of esters of orotylamino acids and salts of orotic acid with amino compounds. p. 1682.

Pudovik, A.N., Sitdykova, F.N. - Addition of organophosphorus compounds with a mobile hydrogen to divinyl sulfone and p-di(β-nitrovinyl) benzene. p. 1682.

Kirpichnikov, P.A., and others. - Interaction of α, α-diphenylpicrylhydrazyl with phosphorous acid esters. p. 1683.

Andrianov, K.A., and others. - New method of synthesis of bromomethylsilanes and methylbromochlorosilanes. p. 1684.

Maretina, I.A., Petrov, A.A. - Dialkylvinylacetylenylphosphines. p. 1685.

Zagorevskii, V.A., TSvetkova, I.D., Orlova, E.K. - Interaction of 4,4-dichlorochromen-2-carboxylic acid derivatives with cyanoacetic ester. p. 1685.

Shostakovskii, M.F., Vlasov, V.M., Nikiforov, A.A. - Interaction of cyclic acetals with thiophenol. p. 1686.

Muratova, G.L., Stepanov, V.M. - Preparation of S-(β-nitroethyl)-L-cysteine. p. 1687.

Shvachkin, IU.P., Berestenko, M.K., Mishin, G.P. - Possibility and conditions of decarboxylation of uracil-4-acetic acid. p. 1687.

Zaleskaia, T.E., Lavrova, I.K. - Dehydration of α-glycols. p. 1688.

Bogatskii, A.V., Garkovik, N.L. - Synthesis of some alkoxy-substituted 1,3-dioxanes. p. 1689.

Postovskii, I.IA., Vereshchagina, N.N., Mertsalov, S.L. - New case of hydrolytic cleavage of a quinazoline pyrimidine ring. p. 1689.

Tishchenko, I.G., Stanishevskii, L.S. - Separation of hydroperoxides of propylidene- and n-butylidene acetones. p. 1690.

Chernobai, V.T. - Partial synthesis of cardial glycosides. 3,19-strophanthidol-L-diramnoside. p. 1690.

Mushkin, IU.I., Finkel'shtein, A.I. - Isomer of cyanourea. p. 1691.

Razumovskii, V.V. - Basic aspects of the theory of electronic tautomerism in the light of newest electronic concepts. p. 1693.

Vol. 34, no. 6, June 1964.

Table of contents translated

Tupitsyn, I.F., Komarov, V I. - Study of the migration of deuterium from the hydroxyl group to the phenol ring. p. 1703.

Zhuravlev, E.F. - Phase diagrams of ternary liquid systems containing two binary demixing areas with differently oriented critical points. Part 3 Demixing in the systems pyramidon - water - succinic acid nitrile and pyramidon - water - phenylhydrazine. p. 1710.

Zhuravlev, E.F., Mel'nikova, I.K. - Phase diagrams of ternary liquid systems containing three binary demixing areas with upper critical temperatures of dissolution. Equilibrium of liquid phases in the system water - succinonitrile - n-butyl alcohol. p. 1716.

D'iakonov, I.A., Kostikov, R.R. - Problem of obtaining double bond linkage in cyclopropene ring formation. Part 1: Attempting the synthesis of 2,3-dibutyl-1-methylene- and 2,3-dibutyl-1-diphenylmethylene-cyclopropenes. p. 1722.

Slobodin, IA.M., Khitrov, A.P. - Hydrogenation of dimethylenecyclobutanes. p. 1727.

Kugatova-Shemiakina, G.P., Vidugirene, V.I. - Oxidation and isomerization of secondary alcohols of the cycloaliphatic series. p. 1729.

Perveev, F.IA., Statsevich, V.IA. - Dioxides of the acetylenic series. Part 4. p. 1733.

Nogaideli, A.I., Rtveliashvili, N.A. - α-Glycols of the vinylacetylene series. Part 1: Synthesis, hydrogenation and acetylenation of 3,4-dimethyl-5-octyn-7-ene-3,4-diol. p. 1737.

Afanas'eva, G.B., Postovskii, I.IA. - Reactions of benzo [α]phenoxazine-9-one with some mercapto compounds. p. 1741.

Vereshchagina, N.N., Postovskii, I.IA. - Benzodiazine series. Part 5: 4-R-4,5-dihydro-s-triazolo [1,2-]-5-quinazolinones and 4-R-4,5-dihydrotetrazolo[1,2-]-5-quinazolinones. p. 1745.

Avaeva, S.M., Botvinik, M.M., Syromiatnikova, I.F. - Seryl phosphates and pyrophosphates. Part 1: Synthesis of P P -di(benzyl ester of N-carbobenzoxyseryl)- P P -dibenzylpyrophosphate [illegible] P-

Av [illegible]

Koton, M.M., Dokukina, L.F. - Synthesis of unsaturated organotin compounds. p. 1757.

Vompe, A.F., and others. - Reactions of pyridinium salts. Part 3 Interaction of bromocyanides of pyridinium bases with amines p. 1758.

Vasil'eva, M V., Khaletskii, A M. - Transformations of lignoceryl alcohol. p. 1771.

Berdinskii, I S. - Substituted hydrazides of hydroxycarboxylic acids. Part 15. Reaction of α-thienylmagnesium iodide with aryl hydrazide oxalates. p 1773

Berdinskii, I S. - Substituted hydrazides of hydroxycarboxylic acids. Part 16· Phenylhydrazides of α-aryl-α-(2-thienyl)- and α-alkyl-α-(2-thienyl)- and α-alkyl-α-(2-thienyl) glycolic acids. p. 1777.

Svetsova-Shilovskaia, K.D., and others. - Organic insectofungicides. Part 76 Synthesis of some new derivatives of carbamic acid. p. 1779

IUzhelevskii, IU.A., and others - Isomerism of 3,3,3-trifluoropropylmethylcyclosiloxanes. p. 1780.

Shemiakin, M.M., and others. - Depsipeptides. Part 16: Paths in the synthesis of optically active linear depsipeptides. p. 1782.

Shemiakin, M M., and others. - Depsipeptides. Part 17· Cyclization of linear tetra- and octa-depsipeptides. p. 1798.

IUr'ev, IU K , Sadovaia, N.K. - Chemistry of selenophene. Part 51· Sulfonation of selenophene and 2-methylselenophene. p. 1803.

Novitskii, K.IU., Khachaturova, G.T., IUr'ev, IU. IU.K. - Furan series. Part 32· 5-Nitro-2-halomethylfurans in the synthesis of 5-nitro-2-furfurylamines p. 1807.

Makin, S.M , Likhosherstov, V.M., Shelemina, M.I - Synthesis of 2,6-dialkoxy-Δ^3-dihydropyrans (cyclic acetals of glutaconaldehyde). p. 1809.

Pletneva, I.D., Muromova, R.S , Pervukhina, I.V.- Synthesis of ω-amino acids of the cyclohexane series. Part 1· Cis- and trans-β-(4-aminocyclohexyl)propionic acids. p. 1815.

Mamedov, Shamkhal , Shikhmamedbekova, A.Z., Khydyrov, D.N. - Glycol ethers and their derivatives. Part 76: Synthesis of alkoxymethyl ethers of p-iodobenzyl alcohol. p. 1818.

Mamedov, Shamkhal , Nizker, I. - Glycol ethers and their derivatives. Part 77· Synthesis of alkoxymethyl ethers of alkyl cyclohexanols. p. 1824.

Nikolaev, A.F., Van Er-ten'. - Preparation and properties of hexa(amino alkyl amino)-triphosphonitriles. p 1831.

Nikolaev, A.F., Van Er-ten'. - Hexa (hydroxyalkyloxy) triphosphonitriles. p. 1833.

Kitaev, IU.P., Troepol'skaia, T.V., Arbuzov, A.E. - Syntheses of heterocyclic compounds based on E. Fischer's reaction. Part 3: Catalysts of an "abnormal" course of reaction. p. 1835.

Cheshko, F.F., Azen, V.E. - Study of molecular interaction as applied to the analysis of hydrocarbon mixtures. Part 1: Diethylamides and tetraethylamides of some carboxylic and dicarboxylic acids as stationary phases. p. 1843.

Evdakov, V.P., Mizrakh, L.I. - Interaction of methylphosphinic acid anhydride with hydroxyl-containing compounds. p. 1848.

Razumov, A.I., and others. - Phosphinic and phosphinous acid derivatives. Part 20: Synthesis of esters of allylphosphinous acid and the reactions of addition to them of elements of group VI. p. 1851.

Liorber, B G., Razumov, A.I. - Phosphinic and phosphinous acid derivatives. Part 21: Rearrangement reactions of allyl phosphinites. p. 1855.

Razumov, A.I., Bankovskaia, N.N. - Phosphinic and phosphinous acid derivatives. Part 22: Nature of the aliphatic intermediate products of Arbuzov rearrangement. p. 1859.

Petrov, A.A., Kormer, V.A. - Metalation and isomerization of vinylalkyl acetylenes by the action of alkali metal amides in liquid ammonia. p. 1868.

Porfir'eva, IU.I., Petrov, A.A., Sokolov, L B - Regularities in the addition reactions of diacetylenes. Part 1: Course of the addition of bromine and hydrogen bromide to the nearest unsymmetrical diacetylene homologs. p. 1873.

Porfir'eva, IU.I., Sokolov, L.B., Petrov, A.A. - Regularities in the addition reactions of diacetylenes. Part 2: Course of the addition of mercaptans to nearest unsymmetrical diacetylene homologs. p. 1881.

Razumova, N.A., Petrov, A.A. - Phosphorus-containing heterocycles. Part 3: Condensation of β-glycolophosphoryl chloride with diene hydrocarbons. p. 1886.

Chistokletov, V.N., Troshchenko, A.T., Petrov, A.A. - Addition of benzonitrile oxide to unsaturated compounds. Part 5: Addition of benzonitrile oxide to isoalkenyl- and cycloalkenylacetylenes. p. 1891.

Kupin, B.S., Petrov, A.A. - Course of the addition of alcohols and water to enyne hydrocarbons. p. 1897.

Petrov, A.A , and others. - Alkyl thioenynes and their analogs Part 1 Synthesis and properties of vinylacetylenic thio-, seleno-, and telluro ethers. p. 1899.

Mitrofanova, T.K , and others. - Lipides. Part 24: Synthesis of monoacid triglycerides by the reesterification of triacetins with methyl esters of higher fatty acids. p. 1906.

Shvets, V.I., and others. - Complex lipides. Syntheses of optically active dextrorotatory (natural) and racemic dilinoleoyl-α-lecithins. p. 1908

Zagorskii, V.A., TSvetkova, I.D , Orlova, E.K. - Series of pyran, its analogs and related compounds Part 6 Interaction of the derivatives of 4,4-dichlorochromene-2-dicarboxylic acid with aromatic amines. p. 1911.

Cherkasova, L.A., Bal'ian, Kh.V., Zubritskii, L M - Reactions of unsaturated compounds with halides of the allyl type. Part 1 Telomerization of piperylene and isoprene hydrobromides with diene hydrocarbons. p. 1917.

Kiprianov, A I., Il'chenko, A IA , Syromolotova, L.M - Addition of nucleophilic reagents to 2-vinylbenzothiazole and 2-propenylbenzothiazole. p. 1926.

Zavgorodnii, V.S., Petrov, A.A. - Unsaturated tin hydrocarbons. Part 5· Addition of diazomethane to 1,3-enyne tin hydrocarbons. p 1931.

Pit'ga, I., Tilichenko, M.N., Kharchenko, V.G. - Condensation of aldehydes and ketones. Part 11 Configuration of 4-R-2,3-cyclohexanobicyclo [3,3,1]-nonan-2-ol-9-ones. p. 1936.

Ponomarev, S.V., Baukov, IU.I., Lutsenko, I F - Esters of α-metalated carboxylic acids. Esters of dialkylstannylbisacetic acid p. 1938.

IAsnitskii, B.G., Sarkisiants, S.A., Ivaniuk, E.G - Derivatives of cyclic acetals. Part 1 Cyclic chloracetals and their derivatives. p. 1940

IAsnitskii, B.G., Sarkisiants, S A , Ivaniuk, E.G.- Derivatives of cyclic acetals. Part 2 Cyclic dialkyl aminoacetals and their iodomethylates p. 1945.

Epshtein, G.IU., Usov, I.A., Ivin, S.Z. - Haloalkyl sulfides. Part 2: Reaction of alkylene sulfides with halogens and sulfuryl chloride. p. 1948.

Epshtein, G.IU., Usov, I.A., Ivin, S.Z. - Haloalkyl sulfides. Part 3. Reaction of alkylene sulfides with chlorides. p. 1951

Epshtein, G.IU., Usov, I.A., Ivin, S.Z. - Haloalkyl sulfides. Part 4: Interaction of alkylene sulfides with phosgene and chlorocarbonic esters. p. 1954.

Peniugalova, Z.P., and others. - Heterocyclic derivatives Part 3: Some derivatives of phenazine. p. 1956.

Dubov, S.S., Khokhlova, A.M. - Mass spectra of some polyfluorinated organic compounds with a nitrogen-oxygen bond. p. 1961.

Solomko, Z.F., and others. - Sulfanilides. Part 14: Nitriles of N-aryl sulfonyl-β-phenylalanine. p. 1964

Makovetskii, K.L., Reikhsfel'd, V.O., Erokhina, L L.L. - Simultaneous cyclic trimerization of butylacetylene with phenylacetylene. p. 1968.

Grinenko, G.S., Men'shova, N.I., Maksimov, V.I.- Part 12. Methyl ester of 3-(p-methoxyphenyl)-1-cyclopentanone-5-carboxylic acid. p. 1970.

Burmistrov, S.I., Dubina, V.L. - Arenesulfonyl-N-(benzoylformyl) amides. p. 1976.

IAgupol'skii, L.M., Orda, V.V. - Bis (trifluoromethoxy- and trifluoromethylmercapto) derivatives of benzene. p. 1979.

Bocharnikova, A.V., Kiselev, V.V. - Structure of isothebaine. Synthesis of 2,3,8-trimethoxyphenanthrene. p. 1984.

Pesin, V.G., Sergeev, V.A., Khaletskii, A.M. - 2,1,3-Thia- and selenadiazoles. Part 30: Nitration of mono- and dimethyl derivatives of benzo-2,1,3-thiadiazole. p. 1986.

Piliugin, G.T., Gutsuliak, B.M., Gorichok, IA.O.- Synthetic dyes. Part 38: Synthesis and transformations of 1,2-diaryl lepidinium salts. p. 1992.

Gorelik, M.V., Mikhailova, T.A. - Derivatives of anthracene. Part 9: 6-Hydroxy- and 7-hydroxy-1,2-anthraquinone-1-oximes. p. 1997.

Gorelik, M.V. - Derivatives of anthracene. Part 10: 1,2,5,6-anthradiquinone-1,5-dioxime and its compounds with sodium bisulfite. p. 2003.

Gorelik, M.V. - Derivatives of anthracene. Part 11: Rearrangement of 3,4,7,8-tetrahydro-1,2,5,6- [illegible] 0.

[illegible] etrical [illegible] the [illegible] rbox- [illegible] tic nitro compounds. Part 14: Reduction of nitrobenzene on platinum black. p. 2020.

Getsova, I.N., Panov, I.V., Bedniagina, N.P. - Benzazole and naphthazole series. Part 6: 2-cycloalkylaminonaphth[1,2-d]imidazoles and their 1- and 3-alkyl substituted derivatives. p. 2026.

[illegible] Part 3 4-Alkoxy-3-bis [illegible]

[illegible] derivatives of [illegible] sulphone [illegible] of the [illegible]azoles [illegible]

[illegible] I A - [illegible] dyes and [illegible] Part 10 [illegible] sensitizers p 2080

[illegible] A - [illegible] dyes and [illegible] Part 11 Aryl- and alkyl [illegible] carboxyl groups at radi- [illegible]

[illegible] A B, Favorskaia, N.F - [illegible] salts with dialkyl [illegible]

[illegible] O I, Khokhlov, L E - [illegible] Part 21 Salt-form- [illegible] derivatives of sydnone [illegible]

[illegible] V G - Sydnones and [illegible] Part 22 Reaction of vinyl ethers [illegible] p 2059

[illegible], M [illegible], T R - Oxadiazole [illegible] Part 1 Synthesis and properties of [illegible] alkyl-aryl-, styryl-aryl-, and diaryl deriva- tives of 1,3 4-oxadiazole p 2061

[illegible], A M, [illegible], A S, Politun, N.N. - [illegible] acids and their derivatives. [illegible]

[illegible] F D, [illegible], L P - Thiazolocyanines Part 12 [illegible] in thiazole rings of [illegible] p 2069

[illegible] D I [illegible], I N - Relation of isomers [illegible] Part 1 Coupling of diazo [illegible] with [illegible] p 2074.

[illegible] A [illegible], [illegible], I G - N-oxides of the [illegible] series Part 7 Hydroxymethylation of 2 [illegible] and 2,3-dimethylquinoxalines and [illegible] p 2077

[illegible] I A, [illegible], S I - Production of odorous [illegible] from dicyclopentadiene p.2081

[illegible], I [illegible], Abubakirov, N K - Glycosides of [illegible] Part 4 Glycosides of [illegible] p 2084

[illegible], M F, Atavin, A S, Trofimov, B.A - 1,3 Di[illegible] ring opening by organomagnesium [illegible] p 2088

[illegible], M F, Atavin, A S., Trofimov, B A - Synthesis of E-acetylenic β-ether alcohols p [illegible]

[illegible], M F, and others - Decomposition of 1 (tert-[illegible])-2-acyloxyethane p.2089.

[illegible], I A, [illegible], K A - Cyanoethylation of [illegible] amines p 2090

[illegible], T A, Tolstopiatov, G M - *Synthesis* of substituted 4-hydroxy-3-cyanotetrahydrofurans. p [illegible]

Krivun, S V, Dorofeenko, G.N - Synthesis *of* 1 5-[illegible] salts p.2091

[illegible], F V, Skorik, IU I - Cleavage of [illegible] with thionyl chloride during ultra- violet irradiation p 2092.

[illegible], F F - Recyanoethylation as a method for determining *the structure* of cyanoethylated com- pounds p 2093

Razuvaev, G A, *Kartashova, N A., Boguslavskaia,* L S - Reaction of peroxydi*carbonates with* solvents catalyzed by ferrous chloride. Direct introduction of cyclohexyloxy*carboxy groups* into aromatic rings p.2093.

Porai-Koshits, B A, Sof'ina, E.N., Kvitko, I.IA - Preparation and study of nitroso *derivatives of* [illegible]benzyl p 2094.

• MATHEMATICS

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut matematiki. Vychislitel'nye sistemy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Mathematics. Computer Systems]. Novosibirsk, no. 5, 1963.

Table of contents translated:

Makarov, S.V. - Reliability of multicycle networks with a small memory. p.3.

Merekin, IU.V. - Solution of probability calculation *problems* of single-cycle networks using an orthogonalization method. p.10.

Bekishev, G.A. - Deparallelization of calculational algorithms. p.22.

MATEMATIKA V SHKOLE (MATHEMATICS IN SCHOOLS) *Issued by Ministerstvo* prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow. no 4, July-Aug 1964

METODY RESHENIIA OBSHCHEI ZADACHI LINEINOGO PROGRAMMIROVANIIA [METHODS OF SOLVING THE GENERAL PROBLEM OF LINEAR PROGRAMMING]. Issued by Laboratoriia matematicheskikh metodov Soveta po izucheniiu proizvoditel'nykh sil pri Gosplane SSSR [Laboratory of Mathematical Methods of the Council for the Study of Productive Forces, Attached to the State Planning Committee of the U S S.R]. Moscow, no 2, 1963. [Methods for solving a general problem in linear programming].

Table of contents translated:

IUdin, L.B. - Linear programming and economic problems. p.3.

Dantzig, G.B. - Maximization of a linear function of variables subject to linear inequalities. p.26.

Dantzig, G.B., Orden, A., Wolfe, P. - *Generalized* simplex method *for* minimizing linear form under linear inequality restraints. p.35.

Gass, J. - First feasible solution to the linear programming problem. *p.47.*

Lemke, S.E. - The dual method for solving the linear programming problem. p.55.

MOSCOW. UNIVERSITET Vychislitel'nyi tsentr. Sbor*nik rabot* [*UNIVERSITY.* Computation Center. Papers]. Vol 2, 1963. Chislennye metody v gazovoi dinamike (*Numerical* methods in gas dynamics)

Table of contents translated:

Rosliakov, G.S., Telenin, G.F. - *Review of papers* on the calculation of steady axisymmetric gas flows completed at the Computing Center of Moscow State University. *p.5.*

Chudov, L.A., Kudriavtsev, V.P. - Round-off errors due to difference methods used in solving problems with initial conditions for elliptic equations *and* systems. p.20.

Pirumov, U.G., Rubtsov, V.A., Suvorova, V.N. Design of axisymmetric nozzles with allowance for equilibrium physicochemical transformations. p.48.

Rosliakov, G.S., Drozdova, *N.V. - Numerical cal*culation of flows around a stepped cone. *p.61.*

Volkonskaia, T.G. - Calculation of supersonic axisymmetric jets. p.76.

Chudov, L.A. - Review of papers on the boundary layer completed at the Computing Center of Moscow State University. p.87.

Chudov, L.A. - Certain shortcomings *of the classical* theory *of* the boundary layer. p.98.

Paskonov, V.M.-Standard*program for solving boundary* layer problems. p.110.

Soprunenko, I.P., Paskonov, V.M. - Boundary layer on a weakly undular wall. p.117.

Paskonov, V.M., Polezhaev, IU.V. - Nonstationary melting of a viscous material near the critical *point.* p.123.

Obroskova, E.I., Varzhanskaia, T.S., Siarova, *E.N.* - Boundary layer near the critical point. p.135.

Budak, B.M., Bulatskaia, T.F., Vasil'ev, *F.P.* - *Numerical* solution of a boundary value *problem* for a system of nonlinear integrodifferential equations describing a hypersonic boundary layer. *p.146.*

Krylov, A.L. - Finite-dimensional models for mathematical physics equations. p.165.

Krylov, A.L., Proizvolova, E.K. - Numerical *study of liquid flow* between rotating cylinders. p.174.

Krylov, A.L., Misnik, A.F. - Stability of *viscous flow* between two rotating cylinders. *p.182.*

Kuskova, T.V., Chudov, L.A. - Use of difference schemes in calculating nonstationary *flows of a* viscous incompressible liquid. *p.190.*

Budak, B.M., Vasil'ev, F.P. - Convergence and the error involved in using the *method of straight lines* in the solution of certain percolation problems. *p.211.*

* PRIKLADNAIA MATEMATIKA [illegible] *MATHEMA*[illegible] nie tekhnich[illegible] *logical* Scie[illegible] ences of the U.S.S.R.]. *Moscow, vol. 28,* no. 3, May-June 1964.

Table of contents translated:

Novozhilov, V.V. - Complex loading and the prospects of a phenomenological approach to the study of *microstrains. p.393.*

Pal'*mov, V.A.* - Fundamental equations in the theory of asymmetric *elasticity. p.401.*

Kouzov, D.P. - Resonance due to the diffraction of a hydroacoustic *wave on* a system of cracks in an elastic plate. p.409.

Simeonov, S.V. - Some method of solution of nonlinear problems *of the mechanics* of a deformed body. p.418.

Fil'shtinskii, *L.A.* - *Stresses* and displacements in an elastic sheet *weakened by* a doubly periodic set of equal circular holes. p.430.

Popov, G.IA. - Some properties of classical polynomials and their application to contact problems. p.442.

Nikitin, A.K., Podrezov, S.A. - Three-dimensional problem of waves on the surface of a viscous liquid of infinite depth. p.452.

Sidorov, A.F. - Shock waves in spatial flows with a degenerated hodograph. p.461.

Sakinovskii, E.G. - Single-fluid equations of the dynamics of a partially ionized gas in a high magnetic field. p.474.

Nagaev, R.F. - Synchronization of almost identical dynamic systems close to Liapunov systems. p.483.

Gabrielian, M.S. - Stabilization of unstable motions of mechanical systems. p.493.

Kharlamov, P.V. - Kinematic interpretation of the motion of a body with one fixed point. p.502.

Bogoiavlenskii, A.A. - Linear integral of the equations of motion of a gyroscope in gimbals. p.508

Klimov, D.M. - Conditions for the nondisturbance of a gyroscope frame. p.511.

Fufaev, N.A. - Feasibility of nonholonomic coupling using the forces of viscous friction. p.513.

Kelss, L.A. - Algebraic integrals in the problem involving the motion of a *heavy* gyrostat around a fixed point. p.510.

Arkhangel'skii, IU.A. - Motion of the Kovalevskii gyroscope. p.521.

Barbashin, E.A., Tabueva, V.A. - Theorems on the asymptotic stability of the solutions to certain third-order differential equations with discontinuous characteristics. p.523.

Ivanov, IU.N. - Stepwise approximation of optimal control. p.526.

Imanaliev, M.I., Kakishov, K.B. - Theory of optimal systems with residual effect. p.534.

Korbovnikov, IU.V. - Optimization of controlled systems with random parameters. p.537.

Samarin, IU.P. - Nonlinear problem for a wave equation in one-dimensional space. p.542.

Shipilin, A.V. - Bodies with minimum wave resistance in an inhomogeneous oncoming gas flow. p.543.

Bulakh, B.M. - Higher approximations in boundary layer theory. p.548.

Tolstykh, A.I. - Structure of a curvilinear shock wave. p.553.

Anisimov, V.V., Khokhlov, R.V. - Shock waves forming in a viscous gas flow past thin profiles. p.557.

Frolov, A.P. - Slightly curved laminar flow of an ideal incompressible liquid. p.564.

Kuznetsov, A.V. - Problem involving flow past a system performing minor vibrations. p.567.

Antsiferov, V.S., Rakhmatulin, Kh.A. - Propagation *of* compressive-shearing perturbations in a nonlinearly elastic medium. p.572.

Aleksandrov, V.M. - Solution of a certain type of two-dimensional *integral equations.* p.579.

Kolos, A.V. - Refining of the classical theory of bending of circular plates. p.582.

Aksentia, O.K., Vorovich, I.I. - Determining the concentration of stresses on the basis of *applied* theory. p.589.

Bogorodskii, A.M. - Axisymmetric problem in the nonlinear theory of elasticity *for an incompressible* medium. p.597.

Leitman, G. - Remark on the paper "Maximum level flight trajectory of a rocket. p.600.

SIBIRSKII MATEMATICHESKII ZHURNAL [*SIBERIAN* MATHEMATICAL JOURNAL]. Issued by *Sibirskoe otdelenie Akademii* nauk SSSR [*Siberian* Branch of the Academy of Sciences of the U.S.S.R.]. *Moscow, vol. 5,* no. 1, Jan.-Feb. 1964.

Table of contents translated:

Aleksandrov, I.A. - Some estimates for holomorphic functions of several *complex variables.* p.3.

Berkovich, IA.G. - Effect of the π-properties of sub*groups on* the properties of a finite group. *p.14.*

Vasonin, V.V. - Equiaffine theory of threes of *non*holonomic surfaces. p.22.

Velikii, A.P. - Representation *of the solutions to* differential-difference *equations with constant* coefficients. p.34.

Gol'dberg, V.V. - Mapping of L-sequences of n-dimensional projective space onto a stationary hypersurface. *p.39.*

Gol'dberg, A.A. - Lower order of an integral *function* of finite deficiency value. *p.54.*

Greenlinger, E.I. - Word problem *for* a certain class of semigroups with *a finite* number of determining relations. p.77.

Kirillova, F.M. - Problem concerning the existence of *optimum* control of a linear system with arbitrary perturbation. p.86.

Klimushev, A.I. - Uniform asymptotic equilibrium of systems *of linear* differential equations with a small parameter. p.94.

Makarov, V.L. - Turing machines and finite automata. p.102.

Molchanov, I.N. - Methods for saving memory space of digital computers in solving systems of difference equations. p.109.

Sabitov, I.Kh. - General boundary value problem of linear conjugation on a circle. p.124.

Smirnov, S.V. - Sufficiency of a generalized version of Gronwall's conditions for the nomographic representability of functions of several variables. p.131.

Smirnova, V.V. - Laminate threes of congruences. p.147.

Stel'mashuk, N.T. - Certain linear differential systems in partial derivatives. p.166.

Tovmasian, N.E. - Some boundary value problems for Laplace's equation with discontinuous boundary conditions. p.174.

Trakhtenbrot, B.A. - Estimating the weight of a finite tree. p.186.

Trofimov, P.I. - Solvability of finite groups. p.192.

Tumarkin, G.TS. - Converging sequences of Bliashke's products. p.201.

Uskant, V.I. - Minimum number of vertices of a knotted curve. p.234.

Krushkal', S.L. - Variation of a quasi-conformal mapping of a circular ring. p.236.

TEORIIA VEROIATNOSTEI I EE PRIMENENIIA [THEORY OF PROBABILITY AND ITS APPLICATIONS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.9, no.2, 1964.

Table of contents translated:

Cramer, Harald. - Stochastic processes as curves in Hilbert space. p.193.

Rosenblatt, M. - Equicontinuous Markov operators p.205.

Sevast'ianov, B.A., Chistiakov, V.P. - Asymptotic normality in the classical problem of pellets. p.223.

Rosenblatt-Roth, M. - The entropy concept in the theory of probability and its application in the theory of transmission of information through communication channels. p.238.

Bobrov, S.P. - Study of the free verse in Pushkin's "Songs of the Western Slavs." p.262.

Parthasarathy, K.R - The central limit theorem for the rotation group. p.273.

Mandl, Petr. - Diffusion processes with a weakly absorbing boundary. p.283.

Zolotarev, V.M. - Asymptotically correct constants in the definitions of the mean central limit theorem. p.293.

Cherenkov, A.P. - Control in the case of small random perturbations by a single switching operation. p.303.

Zaslavskii, A.N. - The problem of isomorphism of stationary processes. p.318.

Gel'fond, A.O. - Estimation of the remainder term in the limit theorem for recurrent events. p.327.

Borovkov, A.A. - Remarks on Wiener's and Blackwell's theorems. p.331.

Petrov, V.V. - Local limit theorems for the sums of independent random variables. p.343

Nikol'skii, M.S. - Probability of a Markov point hitting a plane region of small diameter. p.352.

Verbitskaia, I.N. - Conditions for applying the strong law of large numbers to processes stationary in a broad sense. p.358.

Guter, R.S. - Probability of detecting a region in linear search. p.365.

Sobol', I.M. - Periods of pseudo-random sequences p.367.

Babkin, V.I. - Distribution of the points of maximum in a diffusion process with a variable parameter. p.373.

Blagoveshchenskii, IU.N. - The Cauchy problem for degenerate quasi-linear parabolic equations. p.378.

Shmul'ian, IU.L. - Optimal factorization of nonnegative matrix functions. p.382.

Malevich, T.L. - Asymptotic behavior of the estimate of the spectral function for a stationary Gaussian process. p.386.

Vershik, A.M. - Some characteristic properties of Gaussian random processes. p.390.

Summaries of papers delivered at the sessions of the Section of Probability Theory and Mathematical Statistics of the Moscow Mathematical Society, November - December 1963. p.394.

RAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Instytut matematiki Akademii nauk URSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.16, no.3, 1964.

Table of contents translated:

Grigor'eva, I.A - Application of Chebyshev - Bernstein's method to a class of extremal functions satisfying certain relations linear with respect to the coefficients. p.283.

Zadiraka, K.V. - Periodic solutions to a nonregularly perturbed weakly nonlinear equation. p.292.

Iokhvidov, I.S. - Singular lineals in $\Pi_{\varkappa}$ spaces. p.300.

Kazimirskiĭ, P.S. - Theorem on elementary divisors for a ring of differential operators. p.309.

Krasnosel'skii, M.A., Sobolevskii, P.IE. - Structure of a set of solutions to a parabolic equation. p.319.

Mitropol'skii, IU.A. - Integral manifold for a system of nonlinear equations, close to equations with variable coefficients, in a Hilbert space. p.334.

Strchenko, Z.F. - Extension of a theorem of N.N. Bogoliubov, to the case of a Hilbert space p.339.

Sytaia, G.N - A multiple stochastic integral. p.351

Heckendorff, H. - Multidimensional local limit theorem for probability densities. p.365.

Vasil'ev, P.I., Kovalenko, I.N. - Remark on stationary streams of uniform events. p.374.

Gredzhuk, I.F. - Method for solution of a boundary value problem for a second-order linear differential equation. p.375.

Kotliar, B.D - Quasi-smooth functions of two variables. p.383.

Krylov, N.V. - Representation of coded regular events in abstract finite automata. p.385.

Luchka, A.IU., Kurpel', N.S. - Nonstationary iterative method for the approximate solution of linear operator equations. p.389.

Liubich, IU I. - Periodicity properties of events represented in finite automata. p.396.

Paliutkin, V.G. - Equivalence of two determinations of a finite ring group p.402.

Remez, E.IA. - "Trigonometric" Chebyshev polynomials are also hyperbolic. p 406.

Ronkin, L.I. - Conjugate orders and types of integral functions of several variables. p 408.

Sobchuk, V.S. - Similitude theorem for R_n surfaces in Riemannian R_m space. p.413.

Chaus, N.N. - Uniqueness of the solution of the Cauchy problem for a differential equation with constant coefficients. p.417.

IArovitskii, N.V. - Problems involving multistage queueing with losses. p.421.

Kolomiets, V.G. - First Republic Scientific Conference of Young Researchers in Mathematics. p.426.

ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.4, no.2, Mar.-Apr. 1964.

Table of contents translated

Briuno, A.D. - Decomposition of algebraic numbers into continued fractions. p.211.

IUdina, A.S. - Cylindrical functions of two variables. p.222.

Tikhonov, A.N., Gorbunov, A.D. - Estimation of the error involved in a Runge-Kutta type method and the selection of optimal mesh size. p.232.

Riaben'kii, V.S. - Necessary and sufficient conditions for the proper stipulation of boundary value problems for systems of ordinary difference equations. p.242.

Sofronov, I.D. - Use of the drift method in solving boundary value problems for difference systems. p.256.

Dnestrovskii, IU.N., Kostomarov, D.P. -Asymptotic behavior of eigenvalues for non-self-adjoint boundary value problems. p.267.

D'iakonov, E.G. - Difference systems with splitting operators for general second-order parabolic equations with variable coefficients. p.278.

Pshenichnyi, B.N. - Numerical method of solution of certain problems of optimum control. p.292.

Belotserkovskii, O.M., Golomazov, M.M., Shulishnina, N.P. - Calculation of an equilibrium dissociating gas flow behind a frontal shock wave past blunt-edged bodies. p.306.

Bagaeva, N.IA., Moiseev, N.N. - Three problems involving vibration of a viscous fluid. p.317.

Akhmedov, A. - Second-order modeling in application to a certain device. p.327.

Kublanovskaia, V.N. - A method for reorthogonalization of a system of vectors. p.338.

Pugachev, B.P. - Approximate computation of eigenvectors. p.340.

Dzhishkariani, A.V. - Rapidity of convergence of Bubnov-Galerkin's method. p.343.

Dzhrbashian, V.A. - Whipple's theorem. p.348.

Babushka, I., Prager, M., Vitasek, E. - Closure of computation processes and the drift method. p.351.

Kravtsov, V.V. - Method for solving the diffraction problem (two-dimensional case). p.354.

Rodionov, A.M. - Application of the method of perturbations to linear equations with distributed delay. p.358.

IAroshevskii, V.A. - Asymptotic solution of an equation describing the motion of certain conservative systems with slowing varying parameters. p.363.

Gurin, L.S. - Optimization in stochastic models. p.367.

Mikhel'son, V.S. - Conditions for the existence of the solution to a system of transportation-type linear equations with exclusions. p.370.

Mash, V.A. - A technique for selecting an artificial variable in the simplex method of linear programming. p.376.

Mockus, I.B. - Method for distributing random tests in solving extremum problems. p.380.

Kharadze, A. - "Zeroes in polynomials" by N. Obreshkov. p.386.

Davydov, N.A. - "Analytic function theory" [in English] by E. Hille. p.387.

D'iakonov, E.G. - "Introduction to the theory of difference systems" by S.K. Godunov, V.S. Riaben'kii. p.388.

Budak, B.M. - "Numerical solution of two-dimensional and three-dimensional problems in mathematical physics and functions of independent variables" by G.N. Polozhii. p.390.

Kerimov, M.K. - "Optimization techniques with applications to aerospace systems" [in English] by Ed. G. Leitmann. p.391.

Romanovskii, I.V. - "Mathematics for modern management" [in English] by B.V. Dean, M.V. Sasieni, S.K. Gupta. p.392.

Malkov, U.Kh. - "Introduction to linear programming" [in German] by J. Pichler. p.393.

Kerimov, M.K. - Bibliography. p.393.

f. PHYSICS

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut fiziki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Physics. Transactions]. Tiflis, vol.9, 1963.

Table of contents translated:

Roinishvili, N.N. - Distribution of transverse impulses of strange particles. p.3.

Gedalin, E.V. - Role of K-mesons in the development of extensive air showers. p.53.

Gedalin, E.V. - Fluctuations in extensive air showers. p.65.

TSilosani, N.N. - π^--p Collisions at high energies. p.67.

Salukvadze, R.G., Nilagu, D. - Absorption of 80 Mev. π^+-mesons by carbon nuclei. p.77.

Salukvadze, R.G., Nilagu, D. - Scattering of $\pi^\pm$-mesons on hydrogen and carbon. p.85.

Kopaleishvili, T.I., Ratishvili, I.G. - (α, d) reaction on some light nuclei. p.97.

Gomelauri, V.I. - Effect of artificial roughness on convective heat transfer. p.111.

Mesoed, K.B., TSakadze, D.S. - Measuring the frequency and damping of the vibrations of a light disc suspended in rotating water. p.147.

TSakadze, D.S. - Formation of a macroscopic vortex in rotating liquid helium. p.151.

Davitashvili, T.Sh. - Formation of color M-centers in KCL single crystals. p.153.

Natsvlishvili, G.I., Chikobava, V.S. - Effect of neutron irradiation on the breakdown of metallic solid solutions. p.159.

Bablidze, R.A. - Studying the supercritical oscillatory mode in helium II by the method of second sound damping. p.171.

Cheishvili, O.D., Gurgenishvili, G.E. - Shape and width of cyclotron resonance lines. p.186.

Baazov, N.G., Mandzhavidze, A.G. - Production of highly polarized neutrons. p.191.

Privalov, P.L., Monaselidze, D.R. - Calorimetric study of the thermal denaturation of egg albumen. p.201.

Tarkashvili, TS.T. - Operator programming of the algorithm of a synthesis of the Georgian language. p.211.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol.28, no.6, June 1964.

Table of contents translated:

Korol', E.N., Tolpygo, K.B. - Characteristics of the dynamics of ZnS type crystal lattices with a mixed ionic-valence bond and fractional variable ion charges. p.942.

Burdukov, IU.M., and others. - Transfer effects in $A^{III}B^{V}$ type compounds. p.951.

Vinogradova, K.I., and others. - Electric properties of indium antimonide doped with various impurities. p.959.

Galavanov, V.V., Nasledov, D.N., Filipchenko, A.S. - Electric properties of doped InSb n-type crystals in a wide range of temperatures and impurity concentrations. p.963.

Veiss, G. - Electric and thermal properties of indium antimonide in a magnetic field. p.969.

Aliev, M.I., Akhmedli, G.T. - Heat conductivity of alloyed gallium arsenide. p.977.

Kokoshkin, V.A. - Hole mobility in indium antimonide doped with zinc and cadmium. p.980.

Borshchevskii, A.S., and others. - Morphological characteristics of laminar gallium phosphide crystals. p.985.

Ukhanov, IU.I., Mal'tsev, IU.V. - Temperature dependence of the effective electron mass in $A^{III}B^{V}$ type semiconductors. p.989.

[illegible] A., Kot, M.V. - Effect of the structure of [illegible] current carrier mobility in indium [illegible]

[illegible] V.A. - [illegible] electric and galvanomagnetic [illegible] films. p.996.

[illegible] IA.A., [illegible] - Some properties of thin [illegible] p.993.

[illegible], V.I., Kolomiets, B.T. - [illegible] of alloys of indium antimonide and gallium antimonide and their electric properties. p.[illegible]

[illegible] V.V., Radautsan, S.I. - Some properties [illegible] on the basis of gallium phosphide. p.[illegible]

[illegible], B.P., Lange, V.N., Lange, T.I. - Physicochemical properties of alloys of the section indium arsenide - tellurium. p.1007.

[illegible], A., and others. - Studies of solid solutions on the basis of compounds of the types $A^{III}B^{V}$. p.1010.

[illegible], I.P., Radautsan, S.I. - Some homogeneous phases of indium antimonides and tellurides. p.1017.

Kot, M.V., [illegible], V.A. - Dependence of the effective mass of electrons and the optical activation energy on the current carrier concentration in mercury selenide. p.1023.

[illegible], I.K., Kot, M.V. - Temperature dependence of the current carrier mobility in cadmium antimonide crystals. p.1028.

[illegible], S.M. - Dependence of the properties of CdSb crystals, alloyed with group IV and VI elements, on the impurity concentration. p.1033.

Pilat, I.M., Anatychuk, L.I. - Anisotropy of the heat conductivity in cadmium antimonide. p.1040.

[illegible], IA.A., [illegible], L.M. - Some electric properties of single crystals of the solid solutions $Zn_xCd_{1-x}Sb$. p.1044.

Tovstiuk, K.D., Gavaleshko, N.P., Rarenko, I.M. - Galvanomagnetic and thermomagnetic effects in HgTe. p.1048.

Tovstiuk, K.D., Savitskii, A.V. - Magnetic susceptibility of ZnTe. p.1051.

[illegible], O.P., and others. - Physicochemical properties of certain alloys in the system indium-selenium-tellurium-cadmium. p.1053.

Ivanov-Omskii, V.I., and others. - Electric properties of p type HgTe single crystals and its alloys with CdTe. p.1057.

Kot, M.V., Simashkevich, A.V. - Structure and electric properties of the system ZnSe - HgSe. p.1065.

Kot, M.V., Mshenskii, V.A. - Structure and electric properties of the system CdSe - HgSe. p.1069.

Daniliuk, S.A., Kot, M.V. - Structure and electric properties of the system HgTe - ZnTe. p.1073.

Gramatskii, V.I., Mushinskii, V.P. - Some electric and photoelectric properties of single crystals of the system Ga - Te. p.1077.

Lange, T.I., Gitsu, D.V., Lange, V.N. - Anisotropy of the microhardness of some semiconducting compounds. p.1080.

Vaipolin, A.A., and others. - Physicochemical and electric properties of certain ternary semiconducting compounds of the type $A^{II}B^{IV}C^{V}_2$. p.1085.

Sobolev, V.V. - Optical studies of the energy structure of the bands of certain crystals. p.1090.

Abdullaev, G.B., and others. - Some physical properties of single crystals of the compounds $CuSbS_2$ and $CuSbSe_2$. p.1096.

Berger, L.I., Bul'enkov, N.A. - Electric, thermal, and elastic properties of some semiconducting compounds of the type $A^{I}_2B^{IV}C^{VI}_3$. p.1100.

Efendiev, G.Kh., Karaev, Z.Sh., Nasibov, I.O. - Interaction of $A^{III}_2B^{VI}_3$ type cerium and gallium selenides. p.1103.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Geophysical Series]. Moscow, no.6, June 1964

Table of contents translated:

Popov, E.I., Sukhodol'skii, V.V. - Bench tests of marine gravimetric apparatus. p.801.

Gratsinskii, V.G. - Amplitudes of glancing waves on the surface of a well. p.819.

Solov'ev, S.L., Pustovitenko, A.N. - Possible decrease of the period of a longitudinal wave with greater depth of the seismic center. p.839.

Dolbilkina, N.A., Korchagina, O.A. - Characteristics of the formation and propagation of microseisms in the Barents Sea and Sea of Okhotsk. p.847.

Boltneva, L.I., and others. - Use of the method of air-borne gamma-spectrometry in studying the radioactivity of granitoid intrusives. p.858.

Vladimirov, N.P., Krylov, S.M. - Characteristics of the microvariations of a natural electromagnetic field. p.872.

Blokh, I.M. - Method for studying electric fields over complexly linked geoelectric sections. p.883.

Pshennikov, K.V. - Variation in seismic wave velocities in the hypocentral aftershock zone. p.894.

Pachadzhanova, G.N. - Study of the intensity of SP type exchanged waves during deep Afghan earthquakes. p.899.

Golizdra, G.IA. - Computation schemes for the analytic continuation of two-dimensional potential fields on the basis of interpolation. p.903.

Bol'shakov, A.S., Solodovnikov, G.M., Skovorodkin, IU.P. - Causes of the appearance of reverse magnetization of the Lower Quaternary Armenian lavas. Part 2. p.911.

Abdullaev, Kh.A. - Stability of the natural residual magnetization of the Lower Cretaceous sedimentary rocks of the southwestern offshoots of the Gissar Range. p.919.

Bol'shakov, V.S., Tolmazin, D.M., Rozengurt, M.Sh. - Horizontal circulation in the Black Sea. p.924.

Mashkovich, S.A. - Interaction between zonal circulation and the superposed nonzonal disturbances. p.930.

Glagolev, IU.A. - Experimental data on the microstructure of the temperature field at altitudes of 20 to 30 km. p.947.

Laktionov, A.G. - Relation between the scattering of light in the free atmosphere and the vertical distribution of aerosols. p.953.

Sandomirskii, A.B., Al'tovskaia, N.P., Trifonova, G.I. - Brightness indicatrices at altitudes of 8 to 17.5 km. p.958.

Sulev, M. - Second stage of the All-Union comparison of long-wave radiation receivers at Tashkent. p.967.

No.7, July 1964.

Table of contents translated:

Riznichenko, IU.V. - Method of the summation of earthquakes for studying seismic activity. p.969.

Gol'tsman, F.M., Fan IUn'-Fei (Fang Yün-fei). p.978.

Briunelli, B.E. - Magnetotelluric profiling under conditions of horizontally nonuniform media. p.990.

IAnovskii, B.M., and others. - Magnetotelluric sounding in the Central Russian Depression. p.999.

Kaufman, A.A., Sochel'nikov, V.V. - Theory of induction logging in layers of limited thickness. p.1007.

Guberman, Sh.A., Ovchinnikova, M.I. - Some possibilities for using the statistical characteristics of a geological section. p.1021.

Sen'ko-Bulatnyi, I.N. - Gamma-spectrometric continuous activation logging in bauxite deposits. p.1030.

Kirillova, I.V., Chertkova, E.I. - Modeling tectonic deformations by means of directed extension of volume. p.1037.

Ryzhova, T.V. - Elastic properties of plagioclases. p.1049.

Ragimov, Sh.S. - Studying crustal faults on the basis of macroseismic data. p.1052.

Dikmarova, L.P. - Parameters of the primary field of two compatible magnetic dipoles. p.1058.

Gugunava, G.E., Cherniavskii, G.A. - Use of absolute ellipses in the analysis of the variations of the natural electromagnetic field of the earth. p.1061.

Session of the Council on Seismology of the Academy of Sciences of the U.S.S.R. in Moscow. p.1067.

Gurikova, Z.F. - Calculation of the surface field of water density in the Pacific Ocean. p.1071.

Golovin, A.M. - Theory of the vibrations and fractionation of a drop in gas flow in the presence of vortex movement with the drop. Part 1. p.1084.

Sedunov, IU.S. - Some problems of the Brownian diffusion of Stokes's particles in a spatially nonuniform external field. p.1093.

Izrael', IU.A. - Gamma-radiation field of a radioactive contamination surface in an area of the lowest layer of the atmosphere. p.1103.

Gisina, F.A. - Distribution of impurities from a continuous point source in the presence of fog. p.1116.

Sandomirskii, A.B., Al'tovskaia, N.P., Trifonova, G.I. - Seasonal course of brightness at altitudes of up to 17.5 km. p.1121.

AKADEMIIA NAUK SSSR. Kazanskii filial. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R. Kazan Branch. Bulletin. Series in the Physicomathematical and Technological Sciences]. Moscow, no.16, 1962. Nekotorye gidrodinamicheskie zadachi ratsional'noi razrabotki neftianykh mestorozhdenii [Certain hydrodynamic problems in the efficient development of oil fields].

Table of contents translated:

Chugunov, V.D. - Determining the minimum number of producing wells with a given planned petroleum production p.3.

Korotkov, S.F. - Relative efficiency of methods of edge water and contour flooding. p.13.

Seyfullina, B.A. - Using linear programming for the approximate solution of a problem in the control of the movement of an oil-water boundary. p.19.

Danilov, V.L., Teplov, IU.A. - Modeling the contraction of an oil-water boundary on a slotted tray. p.33.

Mukhametzianov, F.M. - Distribution of injected water in a reservoir in elastic drive. p.44.

Starshinova, L.V. - Solution of a boundary value problem for an elliptical equation with dis[illegible]ous coefficients in the rectangular field with logarithmic features. p.53.

Teplov, IU.A. - Relation of the oil and water [illegible] their simultaneous inflow to a well in a fra[illegible] uniform reservoir with bottom water. p.6[illegible].

Teplov, IU.A. - Output water-free oil flowing [illegible] a well in a nonuniform reservoir with bottom water and top gas. p.79.

Khalitov, N.T. - Maximum square. p.85

Pospeev, V.E. - Calculating double improper integrals p 92.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Physical and Technological Sciences]. Minsk, no.[illegible], 1964.

Table of contents translated:

Shcherbina, P.I. - Correction of erroneous [illegible] tion. p.5.

Hovorov, N.V. - Riemann's homogeneous boundary value problem with an infinite index. p.12.

Bobkov, V.V. - Estimation of errors of the int[illegible] relations method in solving certain problems [illegible] hyperbolic equations. p.18.

Korolev, N.I. - Elastic equilibrium of a circular ring under the action of two concentrated fo[illegible] p.23.

Allakhnovich, M.M. - Magnetic susceptibility of certain $A^{III}B^{V}$ type semiconducting compounds as shown by X-ray diffraction analysis data. p.[illegible]

Kulanau, I.P., Udarau, B.O. - Conditions for the preparation of activated coals from lignin p.44

Maer, M.A., and others. - Decomposition of [illegible] acetate of mercury oxide in solvents. p.49.

Buglov, E.D., and others. - Biological properties [illegible] preparations obtained on the basis of oxycell[illegible] p.55.

Zharkovskii, D.V., Emel'ianov, S.M. - Wetting of cellulose with liquids. p.61.

Lukashev, K.I. - Some characteristics of the be[illegible] of chemical elements in the supergene cycle of migration. p.65.

Makhnach, A.S., Pashkevich, V.I., Semianiuk, A.D. - Narova horizon of the Middle Devonian of the Polotsk region. p.74.

Dzilna, I.L. - Mechanical properties of the marl chalk rocks in the southeastern part of the White Russian S.S.R. (Sozh Basin). p.83.

IAkauleva, L.V. - Regionalization of White Russia [illegible] the degree of glazed frost. p.90.

Belavusava, G.A. - New species of the Visean Chonetoidea of the Pripet fault. p.94.

TSybul'kin, V.M., Bial'kovich, P.I. - Comparative study of the bitumen formers of some plant species and the bitumens of an upland peat layer. p.101

Horau, K.V., Paulenka, Z.D. - Effect of iron on the solubility of aluminum in γ-solid solutions of the system Ni - Cr - Fe. p.110.

Kanavalau, IA.R., Kulinshou, V.A. - Geometry of the contact surface during metal finishing with a rotating tool. p.113.

Strukau, M.A. - Investigating the deformability of alloyed steels. p.118.

Malochka, V.I. - Investigating the braking process of hydraulic piston turning gear in automatic equipment. p.122.

Skvartsou, B.P. - Significance and effectiveness of the construction of the Black Sea - Baltic Sea water transportation connection. p.130.

Gorau, K.V., Kanavalau, IA.R. - Vasil' Piatrovich Seviardzonka, on his 60th birthday. p.135.

Aleksandrovich, Kh.M. - Potassium symposium in the German Democratic Republic, in 1963. p.13[illegible]

CHEKHOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Chekhoslovatskaia akademiia nauk [Czechoslovak Academy of Sciences]. Prague, vol.14, no.8, 1964.

FIZIKA V SHKOLE [PHYSICS IN SCHOOLS]. Organ of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.24, no.3, May-June 1964.

KIEV. UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII [illegible]

[illegible] physics].

Table of contents translated:

Konstantinov, A.R. - Vertical profiles of meteorological elements in the lowest layer of the atmosphere and the concept of the layer of displacement. p.3.

Konstantinov, A.R. - Study of the relationship of the profiles of meteorological elements with underlying surface characteristics. p.14.

Berman, E.A., Grossman, E.M. - Use of the structural method for determining the turbulence of the lowest layer of the atmosphere on the Ukrainian coast of the Black Sea. p.23.
Galadzhin, N.M., Tkachenko, A.V. - Experience in determining the coefficient of turbulence in the boundary layer of the atmosphere based on data of upper-winds sounding in one point. p 34.
Sabali, L.I. - Some characteristics of the lowest layer of the atmosphere in the presence of clouds. p.40.
Kosbelenko, I.V. - Fog dispersal under the influence of radiant heating. p.56.
Prokh, L.Z. - Some results of more frequent fog soundings. p 63.
Markovich, M.L., Muchnik, V.M. - Experience in distance measurement of precipitation quantity by radar. p.74.
Prokh, L.Z. - Construction of thermoelectric psychrometers. p.83.

*KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.1, Jan.-Feb 1963.

Table of contents translated.

G.G Lemmlein; obituary. p.3.
Dlukhin, V.V., Nikitin, A.V. - Remarks on the application of the statistical analysis of intensities. p.5.
Brusentsev, F.A. - Program for a more exact definition of crystalline structures by the method of least squares using a large electronic computer p 10.
Pines, B.IA., Grebennik, I.P. - Electron diffraction study of heterodiffusion in the system Ge - Si. p.16
Kuz'minov, IU.S., IAmzin, I.I., Belov, N.V. - Neutron diffraction study of yttrium-neodymium ferrite with a garnet structure. p.21.
Konakhovich, IU.IA., Saksonov, IU.G. - Neutron diffraction study of manganese-zinc ferrite. p.25.
Zviagin, B.B. - Theory of the polymorphism of chlorites. p.32.
Khitrova, V.I. - Disordered and superstructure phases in the system W - N. p.39.
Goncharenko, A.M., Sotskii, B.A , Fedorov, F.I.- Self-excitation of a plane-parallel anisotropic layer. p.47.
Blokh, O.G., Zheludev, I.S., Shamburov, V.A. - Electro-optical effect in pentaeritrite $C(CH_2OH)_4$ crystals. p.50.
Sonin, A.S., Zheludev, I.S - Study of certain dielectric properties of sodium nitrite single crystals. p.57.
Gusev, A.A., Pakhomov, A.S. - Temperature dependence of the magnetization intensity and paramagnetic susceptibility of ferrites with three magnetic sublattices. p.63.
Shchukin, E.D., Kochanova, L.A., Pertsov, A.V. - Temperature-dependent transition from brittleness to plasticity under conditions of the adsorption effect of reduced strength p.69.
Urusovskaia, A.A. - Selective etching of cesium iodide crystals. p.75.
Chistiakov, I.G. - Transparency of liquid crystals. p.79.
Chernov, A.A. - Shapes of growth of crystals and their kinetic stability. p.87.
Gaiiarskii, E.I., Zamorzaev, A.M. - Catalog of point groups of symmetry and various types of antisymmetry. p.94.
Kuznetsov, A.V. - Widening of roentgen lines due to the effect of secondary extinction. p.102.
Gol'der, G.A., Chetkina, L.A. - X-ray diffraction measurements of certain substituted anthraquinones. p.104.
Kiseleva, K.V - X-ray diffraction study of strontium-bismuth titanates in a wide range of temperatures. p.105.
Mokeeva, V.I., Fedotova, K.V. - Elementary cell and space group of hydrosodalite. p.107.
Isupov, V.A., Agranovskaia, A.I., Bryzhina, M.F. - Crystallochemical characteristics and certain physical properties of compounds with the structure of hexagonal tungsten oxygenic bronze. p.108.
Melankholin, N.M., TSinober, L.I. - Nature of the biaxiality of synthetic amethyst crystals. p.110.
Zubov, V.G., Firsova, M.M., Molokova, T.M. - Temperature dependence of the dielectric constant of crystalline and molten quartz. p.112.
Toshev, S.D. - Detection of the domain structure in ammonium fluoberyllate crystals. p.114.
TSinzerling, E.V., Mironova, Z.A. - Disclosure of dislocations in quartz by the method of selective etching. p.117.
Andrievskii, A.I., Mocharniuk, G.F. - Observation of dislocations in copper oxide single crystals. p.120.
Chistiakov, I.G. - Processes of growth of smectic textures. p.123.
Anikin, I.N., Shushkanov, A.D. - Determining the solubility of fluorite in aqueous electrolyte solutions. p.128.
Shubnikov, A V - Incompleteness of the "unified system of crystallographic groups." p 131.
Author index, 1962. p.133.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestis Fizikas un tehnisko zinatnu serija Izvestiia Akademii nauk Latviiskoi SSR Seriia fiziko-tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Bulletin. Series in the Physical and Technical Sciences] Riga, nos.1-3, 1964.

* LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. No.150, 1964. Fizika prizemnogo sloia vozdukha [Physics of the lowest layer of the air].

Table of contents translated:

Changes in the fields of meteorological elements taking place during the transformation of an air mass. p.3.
Laikhtman, L.L., Orlenko, L.R. - Structure of the boundary layer of the atmosphere at different latitudes. p.14.
Zilitinkevich, S.S. - Vertical turbulent exchange in the lowest layer of the atmosphere. p.21.
Kagan, B.A. - Theory of ice drift in a horizontal-homogenous sea. p.53.
Podol'skaia, E.L. - Differential equations for radiation flux. p.53.
Shekhter, F.N. - Radiation diagrams. p.57.
Laikhtman, D.L., Blutner, E.K. - Turbulence in jet streams in the presence of a geostrophic wind shift. p.63.
Ariel', N.Z., Blutner, E.K., Panin, B.D. - Determining the v-components of wind velocity from structural measurements. p.69.
Blutner, E.K. - Dependence of the extent of the dispersion of particles emitted by a constant source on the time interval of the experiment. p.78.
Klevantsova, V.A., Bortkovskii, R.S., Preobrazhenskii, L.IU. - Methods for gradient observations in the sea. p.85.
Preobrazhenskii, L.IU. - Some characteristics of the distribution of water temperature in the surface layer. p.99.
Panin, B.D. - Method for the measurement of the temporal and spatial structure of air flow. p.102.
Zaitsev, A.S., Serova, N.V. - Some results of meteorological observations on the Valday Lake using a specially equipped boat. p.107.
Preobrazhenskii, L.IU. - Measuring the albedo of the sea. p.116.
Kirillova, T.V., Malevskii-Malevich, S.P. - Measuring the albedo of the sea from a helicopter. p.120.
Kazhdan, R.M., Kirillova, T.V., Preobrazhenskii, L.IU. - Results of observations on the radiation balance in the coastal region of the Black Sea. p.125.
Krasnosel'skii, E.B. - Determination of the degree of danger of an avalance in the high mountain regions of the central Tien Shan. p.133.
Kucherov, N.V. - Measuring the tangential intensity of wind. p.140.
Nikitin, I.S. - Evaluating the accuracy and usefulness of the radar method for studying currents. p.145.
Dvas, V.S. - Analysis of an error and methods for the measurement of a dew point. p.152.
Supplements. p.161.

No.151, 1964. Voprosy chislennogo analiza i prognoza pogody [Problems of numerical analysis and weather forecasting].

Table of contents translated:

Gandin, L.S., and others. - Static control of aerological telegrams. p.3.
Rukhovets, L.V. - Multilevel model for geopotential field forecasting based on a small number of parameters. p.17.
Meleshko, V.P. - Numerical forecastings of cloudiness and precipitation with allowance for the transformation of the air mass. p.32.
Dubov, A.S. - Allowing for the heat influx in temperature forecastings. p.41.
Piatygina, K.V. - Calculation of space trajectories of air particles. p.48.
K[illegible], D. - [illegible] [illegible]ical fo[illegible]gs [illegible]
A[illegible] B[illegible], N. [illegible] - Relat[illegible]een [illegible] circulation. p.[illegible]

No.152, 1964. Issledovaniia radiatsionnykh protsessov [Studies of radiation processes].

Table of contents translated:

[illegible], K.S., [illegible] - M[illegible] p.3.
K[illegible], V.K., [illegible] - Cal[illegible] using a two-param[illegible] p.1[illegible].
Bramson, M.A., Zel'manovich, I.L., Kuleshova, G.I. - Radiative capacity of water in the infrared spectral region. p.31.
Barashkova, E.P. - Methodology of calculating long-wave flows in the cloudless troposphere. p.68.
Skliarov, IU.A. - Calculation of certain errors of a bolometric pyrheliometer. p.81.
Novosel'tsev, E.P. - Attenuation of the total radiation by the upper cloud level. p.90.
Gal'perin, B.M., Seriakova, L.P. - Scattered and total solar radiation under various conditions. p.96.
Ter-Markariants, N.E., Grishchenko, D.L. - Measurement of the radiation balance under maritime conditions. p.110.
D'iachenko, L.N. - Distribution of the effective radiation over the territory of the U.S.S.R. p.126.
Golikov, V.I. - Device for measuring the microstructure of clouds and fogs by the method of small angles. p.142.
Voitikova, T.D. - Calculation of a hemispherical emitter for pyrgeometer graduation. p.160.
Krasil'shchikov, L.B., Semenova, G.P. - Spectral characteristics of materials used in actinometric instrument manufacture. p.168.
Aleksandrov, V.S. - Electronic thermoregulator. p.172.
Golikova, O.I. - Vessel for nephelometric measurements with high angular resolution in the region 5° - 175°. p.176.
Novosel'tsev, E.P. - Spectral reflecting power of clouds. p.186.
Shifrin, K.S., Perel'man, A.IA., Potekhina, L.K. - Tables for calculating the spectrum of particles of a disperse system on the basis of its transparency. p.192.
Grishchenko, D.L., Novosel'tsev, E.P., Ter-Markariants, N.E. - Methodology of actinometric observations at sea. p.212.

No.154, 1964. Voprosy fiziki atmosfery [Problems of atmospheric physics].

Table of contents translated:

Selezneva, E.S. - Distribution of condensation nuclei over the Ukrainian meteorological polygon. p.3.
Beliashova, M.A. - Some preliminary results of the observations of condensation nuclei in the Far East of the U.S.S.R. p.11.
Gushchin, G.P., Shatunov, I.A. - Atmospheric ozone and jet streams. p.20.
Romashkina, K.I. - Some relationships between the general content of ozone and aerological parameters in Alma-Ata. p.30.
Lazareva, N.A. - Annual variation of some characteristics of the boundary layer of the atmosphere over the European S.S.R. p.36.
German, M.A. - Some results of the experimental investigation of the structural and energy characteristics of turbulence in clouds. p.46.
Zaitsev, V.A., Ledokhovich, A.A. - Vertical flows in the boundary layer of the atmosphere. p.58.
Vorontsov, P.A., German, M.A. - Methods for the investigation of the turbulence regime of a boundary layer based on accelerograph recording data in Pakhta-Aral. p.65.
Chestnaia, I.I. - Using a pilot balloon with a suspended base. p.78.
Selitskaia, V.I. - Comparison of the variations of temperature and air moisture in a layer up to 1.5 km using a mechanical meteorograph on a helicopter and an A-22-IV radiosonde. p.85.
Dubov, A.S. - Determination of horizontal wind gusts based on accelerographic recordings. p.90.
Turkin, IU.I., Svistov, P.F. - Determination of soluble impurities in the atmospheric air. p.99.
Ledokhovich, A.A. - Aerostatic electric meteorograph. p.105.

No.162, 1964. Metodicheskie voprosy klimatologii [Methodological problems in climatology].

Table of contents translated:

Drozdov, O.A. - Properties of integral-difference curves. p.3.
Kuznetsova, L.P. - Use of summary probability (frequency) curves in processing data on diurnal maximum precipitation. p.7.
Shver, TS.A. - Use of the methods of consecutive changes and integral-difference curves in calculating precipitation norms. p.22.
Shver, TS.A., Ivleva, G.F. - Number of days showing different precipitation totals as measured by the rain gauge and the precipitation guage. p.37.
Shkadova, A.K. - Methodology of climatological processing of observations of surface soil temperatures. p.47.
IAkovlev, B.A. - More accurate method of reducing the mean air temperature of a station to the basic one on the basis of regular variations over many years. p.64.
Sliadnev, A.P. - Natural-climatic regionalization of Western Siberia. p.68.

[illegible] -KAIA OBSERVA- [illegible] METEOROLOGICAL [illegible] no 2, 1963

Table of contents translated:

[illegible] - Restoration of [illegible] of the regulated flow of [illegible] p. 1.

[illegible] - [illegible] the infiltration [illegible] the method of artificial [illegible]

[illegible] - [illegible] the methods of snow [illegible] adaptable to local char- [illegible]

[illegible], T.M. - [illegible] early vegetables in heated [illegible]

[illegible] - [illegible] of the spring harrowing of fall- [illegible] of soils. p. 112.

[illegible] - Effect of orchard shelterbelts [illegible] for the germination of black [illegible] p. 117.

[illegible] - [illegible] radiation of the Rybinsk Reservoir. [illegible]

[illegible] PROBLEMY SOVREMENNOI FIZIKI IADRA I ELEMENTARNYKH CHASTITS [SOME PROBLEMS [illegible] IN PHYSICS OF THE NUCLEUS AND THE ELEMENTARY PARTICLES]. Issued by Uzh- [illegible] universitet [Uzhgorod [illegible]]. Uzhgorod, no 1, 1957

Table of contents translated:

Lomsadze, IU.M. - Quantization of the "free" field in generalized quantum theory. p. 6.

Lomsadze, IU.M., Maksimov, B.I. - The idea of developing the nonlocal field theory. p. 14.

Lomsadze, IU.M. - Effective method of calculating the S-matrix in quantum field theory. Part 2. p. 19.

Lomsadze, IU.M., Maksimov, B.I. - Some preliminary calculations in pair theory. p. 33.

Shkoda-Ul'ianov, V.A. - The "photon difference" method as applied to blocks of infinite thickness. p. 50.

Shkoda-Ul'ianov, V.A., Lend'el, V.I., Krivskii, I.IU. - Use of the avalanche theory in determining the integral cross sections of γn-reactions for medium and light elements. p. 60.

Kunets, I.IU., Taratii, M.I., Shkoda-Ul'ianov, V.A. - Effect of the width of the resonance region of γ n-reactions on the integral cross sections determinable by the method of thick specimens. p. 73.

[illegible], V.I., and others. - Use of the photon "equilibrium spectrum" in calculating the cross sections of γn reactions from the neutron yield curves for heavy elements with the aid of the "photon difference" method. p. 79.

Krivskii, I.IU., Lend'el, V.I. - Photon equilibrium spectrum near the initial energy level. p. 85.

Shkoda-Ul'ianov, V.A. - Use of the photon equilibrium spectrum in determining the excitation function of neutron production by means of high energy electrons. p. 93.

Lomsadze, IU.M. - Relation between the interaction potential and the scattering S-matrix. p. 102.

Lomsadze, IU.M., Maksimov, B.I. - Potentials in theories involving "nonlinear" meson coupling. p. 111.

Koval'chuk, A.E. - Summing over states of polarization. p. 142.

Lomsadze, IU.M. - Remarks on the physical meaning of a wave function. p. 150.

Studnev, IU.P. - Physical meaning of a wave function. p. 158.

REFERATIVNYI ZHURNAL. GEOFIZIKA [JOURNAL OF ABSTRACTS. GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 7, July 1964.

*REFERATIVNYI ZHURNAL. MEKHANIKA [JOURNAL OF ABSTRACTS. MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 6, June 1964.

*TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA. Trudy [CENTRAL AEROLOGICAL OBSERVATORY. Transactions]. Leningrad, no. 52, 1964. Rezul'taty raketnykh issledovanii atmosfery v period MGG i MGS [Results of investigations of atmosphere by means of rockets in the period of the IGY and IGC].

Table of contents translated.

Khvostikov, I.A. - Investigation of the stratosphere by means of meteorological rockets in the U.S.S.R. in the period of the International Geophysical Cooperation and the International Geophysical Year. p. 3.

Skuratova, I.S. - Methods for measuring and processing meteorological parameters by means of rockets. p. 6.

Tables of data on rocket sounding of the atmosphere.

Tables of data on rocket sounding on Franz Josef Land (Kheys Island), 1957-1959. p. 13.

Tables of data on rocket sounding in the mean latitudes of the U.S.S.R., 1957-1959. p. 27.

Tables of data on rocket sounding on the diesel-electric motor ship "Ob'," 1957-1959. p. 39

Results of the analysis and generalization of rocket sounding data of the atmosphere:

Kurilova, IU.V., Khvostikov, I.A. - Typification of the temperature stratification of the atmosphere up to an altitude of 45 km. p. 53.

Riazanova, L.A. - Temperature conditions of the 25-50 km layer. p. 60.

Petrov, A.A., Riazanova, L.A. - Three cases of sudden temperature rises in the Arctic atmosphere. p. 67.

UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddil fizyko-matematychnykh nauk Akademii nauk URSR [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 9, no. 2, Feb., 1964.

Table of contents translated:

Fushchych, V.I. - Poles of the generation amplitude for the process $\pi+d\rightarrow d+\pi+\pi$. p. 117.

Kolodii, B.I. - Asymptotic behavior of the pion form factor in the case of high transmitted pulses. p. 122.

Symenoh, I.V. - Theory of excitation of "zero" sound in nuclear matter. p. 128.

Il'lenkov, A.I., Tkhoryk, IU.O. - Measurement of short lifetimes of current carriers in semiconductor devices using the pulse method. p. 146.

Havaleshko, M.P. - Self-recording device for measuring galvanomagnetic and thermomagnetic effects in semiconductors as a function of the temperature and magnetic field. p. 150.

Lysenko, H.M., Kysliak, H.M. - Phosphorescence of organic phosphors with two metastable levels. p. 160.

Kostyshyn, M.T., Romanenko, P.F. - Study of the long-wave boundary of the self-absorption band in orpiment. p. 166.

Malykhina, N.M., Shpak, M.T. - Spectral study of a mixed bibenzyl - stilbene crystal at 20.4° and 4.2°K. p. 172.

Klimusheva, H.V. - Crystallization of alkyl benzenes. p. 179.

Shul'ha, S.Z., Teliatnyk, A.I. - Use of the electron paramagnetic resonance method in studying the structure and orientation of the stabilized free radicals in γ-irradiated d, l-valine single crystals. p. 185.

Voloshin, V.A., Hortushko, A.H., Kul'chytskyi, V.A. - Energy states of benzoylacetonate rare-earth complexes compounded with polymethylmetacrylic acid. p. 192.

Zapesochnyi, I.P., and others. - Apparatus with a vacuum monochromator for studying optical excitation functions. p. 196.

Lifshits, E.V. - Possibility of spectroscopic observation of electron-beam melting. p. 207.

Kuznetskii, R.S. - Magnetic field inside a cylinder with a rotating external radial field. p. 210.

Kruglykh, A.A., Pavlov, V.S., Tykhins'kyi, H.P. - Vapor pressure of solid yttrium. p. 214.

Kalmykova, S.S. - Excitation of a plasma wave guide by a coaxial line. p. 216.

Rizdv'ianets'kyi, D.R. - Ordering of ferromagnetic alloys with a Fe_3Al type crystal lattice. p. 218.

Ol'khovskii, V.S., TSekhmistrenko, IU.V. - Polarization in neutron scattering by nuclei with rotational and vibrational spectra. p. 220.

Naumovets', A.H. - Migration of potassium on tungsten in a strong electric field. p. 223.

Mashkevych, V.S. - Radiation on the second optical harmonic. p. 226.

Hynchuk, K.D., Lytovchenko, N.M. - Nature of trapping centers in thermally treated silicon. p. 229.

*USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 83, no. 3, July, 1964.

Table of contents translated:

Garber, R.I., Fedorenko, A.I. - Focusing of atomic collisions in crystals. p. 385.

Bogomolova, L.D., Lazukin, V.N., Chepeleva, I.V. - Electron paramagnetic resonance in silicon and germanium. p. 433.

Roberts, J.A. - Radio emission from the planets. p. 503.

Greenstein, Jesse L. - Quasi-stellar radio sources. p. 549.

Amstislavskii, IA.E. - Lecture demonstration of Young's experiment. p. 571.

El'iashevich, M.A. - "Optical atomic spectra." S.E. Frish. p. 574.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow. vol. 45, no. 1(7), June 1963. Avtorskii i predmetnyi ukazateli k vols. 16-39 za 1946-1960 gg. [Author and Subject Indexes to vols. 16-39 for 1946-1960].

14. MEDICINE

a. GENERAL

*AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 18, no. 9, 1963.

Table of contents translated.

Potulov, B.M., Il'ichev, V.S. - Lenin's analysis of the social foundations of public health and current problems. p. 3.

Saksonov, P.P., Antipov, V.V., Dobrov, N.N. - Some results and problems in the field of cosmic radiobiology. p. 13.

Parin, V.V., Meerson, F.Z. - Myocardial stress and functional reserve of the heart in hyperfunction and insufficiency. p. 20.

Navrotskii, V.K., and others. - State of the general immunobiological reactivity of the body and morbidity among foundry workers. p. 32.

Stepanian, E.P., Geselevich, E.L. - Some biochemical changes in the blood during artificial blood circulation. p. 41.

Borodkin, I.S. - Relationship between the structure of derivatives of imidazoledicarboxylic diamides and their effect on different segments of the central nervous system. p. 47.

Lavrov, B.A., Terent'eva, E.L. - Body reaction to the introduction of large doses of vitamin D2 (experimental data). p. 54.

Smirnov, B.N. - Fixation and multiplication of the pathogen in the isolated liver of the immune and non-immune body (pathogenesis of recurrence of paratyphoid fever infection following antibiotic therapy). p. 60.

Smorodintsev, A.A., Golubev, D.B., Smorodintsev, Al.A. - Problems in the etiology, epidemiology and laboratory diagnosis of Botkin's disease. p. 66.

Golikov, S.N., Loktionov, S.I. - Pharmacological characteristics of substances inhibiting acetylcholine synthesis in the body. p. 77.

Chokurin, V.P., Zhirnov, V.D. - Social problems in medicine. p. 88.

Kerbikov, O.V. - Results of the discussion on the problem of causality in medicine. p. 93.

Vol. 18, no. 11, 1963.

Table of contents translated:

Ioffe, V.I. - Immunopathology as a problem in experimental and clinical medicine. p. 3.

Strukov, A.I. - General morphology of immunological processes under experimental and clinical conditions. p. 13.

Ivanov, V.M. - Effect of adrenalectomy and the administration of some corticosteroids on antibody formation. p. 19.

Podkolzin, A.A. - Effect of immune complexes on the superior cervical sympathetic ganglion. p. 25.

Ioffe, V.I., and others. - Experience with the experimental reproduction of a systemic lesion of the connective tissue. p. 29.

Monaenkov, A.M. - Dynamics of autoimmunological reactions during development of experimental heart lesions. p. 38.

Raskin, A.M. - Immunology of Hashimoto's disease. p. 46.

Zolotarevskii, V.B. - Autoimmune processes in the goiter tissue in thyrotoxicosis. p. 43.

Serov, V.V., Khai, L.M. - Some problems in immunology and immunomorphology of Masugi nephritis. p. 50.

Ravkina, L.I. - Experimental allergic encephalomyelitis. Morphology of the central nervous and thymicolymphatic systems. p. 57.

Gofman, IU.P., Klimenko, S.M. - Use of ferroglobuline in electron-optical immunomorphology. p. 61.

Sofronov, B.N. - Conference dedicated to the problems of immunopathology. p. 66.

Danilov, A.I. - Results of scientific research in the field of microbiology, epidemiology and hygiene in [illegible] data [illegible] institutes of the De- [illegible] Microbiology and Epidemiology of the [illegible] Medical Sciences of the U.S.S.R. p. 73.

Uspenskaia, T.A. - Scientific conference on the results of experimental studies and prospects of the clinical use of ristomycin, a new antibacterial antibiotic. p. 76.

Danilov, A.I. - Ornithosis as a problem. p. 80.

Vasil'evskaia, O.V. - "Disinfection of drinking water" by S.N. Cherkinskii, N.N. Trakhtman. p. 83.

Creator of the first blood transfusion institute in the world; on the 90th anniversary of A.A. Bogdanov's birth. p.87.

Vol. 18, no. 12, 1963.

Table of contents translated:

Timakov, V.D. - Some general problems of genetics; microbiological research. p.3.
Efroimson, V.P. - Some practical achievements in medical genetics. p.14.
Menitskii, IU.L. - Aberrant karyotypes in tissue cells of aborted fetus. p.22.
Ponomarenko, A.M. - Data for the study of Klinefelter's syndrome. p.26.
Ryvkin, I.A., Ignatova, L N. - Significance of hereditary and environmental factors in the development of hypertension and lipid metabolism disorders; studies on twins. p.29.
Pekhov, A.P. - Genetic recombination in bacteria. p.34.
Ardashnikov, S.N., Soifer, V.N., Gol'dfarb, D.M. - Gamma-ray induced H-mutation of the extracellular phage T2. p.43.
Skavronskaia, A.G. - Changes in the genetic structure of cells under the influence of 5-bromouracil. p.51.
Zuev, V.A. - Lytic reactions in phage infections. p.62.
Gershanovich, V.N. - Some problems concerning the regulation of enzymatic activity and synthesis in bacteria. p.74.
Levashev, V.S. - Some genetic mechanisms in the formation of L-form bacteria. p.84.
Kirpatovskii, I.D., Shuvaev, V.V. -Some special problems of transplantation, based on materials of the scientific conference of the Laboratory for Transplantation of Organs and Tissues at the Academy of Medical Sciences of the U.S.S.R. p.89.
Systematic index of articles published in the periodical "Vestnik Akademii Meditsinskikh Nauk SSSR" in 1963.

Vol. 19, no. 1, 1964.

Table of contents translated:

On the 100th anniversary of the publication of I.M. Sechnov's work "Brain reflexes." p.3.
Kerbikov, O.V. - Multiplicity of causes (polyetiology) in medicine. p.9.
TSaregorodtsev, G.I. - Some philosophical problems in the theory of disease. p.15.
Balandin, I.G. - Universality of the matrix principle in biology and the laws of dialectics. p.22.
Zhdanov, V.M. - Determination of the concept of "life." p.26.
Kuprilanov, V.V. - Regressive development in biology. p.33.
Biriukov, D.A. - Is telepathy scientific? p.43.
Kaliuzhnaia, R.A. - Some methodological problems in the reactivity in children. p.53.
Timakov, V.D., and others. - Colicinogenicity as a general biological problem. p.60.
Alikhanian, S.I., Oganesian, M.G. - Relation of the mutagenic effect of 2-chloroalkyl amines to the structure of their functional groups and radicals. p.72.
Marchuk, P.D. - All-Union conference of gerontologists. p.85.
Levkovich, E.N. - Joint Seventh Scientific Session of the Institute of Poliomyelitis and Virus Encephalitis of the Academy of Medical Sciences of the U.S.S.R. and the White Russian Institute of Epidemiology, Microbiology and Hygiene, dedicated to the study of tick encephalitis and other arbor virus infections. p.89.
Vogralik, V.G., Izutkin, A.M. - Review of G.I. TSaregorodtsev's book "Dialectical materialism and medicine." p.91.
Soltyskii, E.I. - Review of V.IU. Urbakh's book "Mathematical statistics for biologists and physicians." p.93.
Kaliuzhnyi, D.N. - Review of A.A. Minkh's book "Ionization of the air and its hygienic significance." p.94.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut klinicheskoi i eksperimental'noi kardiologii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Clinical and Experimental Cardiology. Transactions]. Tiflis, vol. 8, 1963. Materialy VII nauchnoi rasshirennoi sessii instituta po probleme serdechnososudistoi patalogii; sessiia posviashchena 40-letiiu ustanovleniia Sovetskoi vlasti v Gruzii, Tbilisi, 3-6 iiulia 1961 goda [Materials of the Seventh Scientific Enlarged Session of the Institute on Problems of Cardiovascular Pathology; session dedicated to the 40th anniversary of the founding of Soviet power in Georgia, held in Tiflis, July 3-6, 1961].

Table of contents translated:

Dzhavakhishvili, I.V. - Method and results of the study of the clinical aspect of atherosclerosis. p.3.
Dzhavakhishvili, I.V., Mateshvili, G.I., TSabadze, G V. - Study of the epidemiology of atherosclerosis among the population of the Georgian S.S.R. p.17.
Dzhavakhishvili, I.V., Kutateladze, N.M., Gabashvili, O G - X-ray study of atherosclerosis of the thoracic aorta. p 21.
Spektorova, Z.G. - Importance of tomography in X-ray diagnosis of atherosclerosis of the thoracic aorta. p.31
Il'inskii, B.V., and others. - Characteristics of the biochemism of the blood in atherosclerosis. p.35.
Gvarishvili, R I., Murgulila, L.S. - Content of cholesterol, lecithin, fibrinogen and prothrombin in the blood in atherosclerosis. p.45.
Gandzha, I.M. - Changes in protein and lipid metabolism in atherosclerosis and the effect of some therapeutic substances on it. p.51
Kobiashvili, I.G., Akhmeteli, G.S., Kurdiani, N A. - Study of capillary permeability in relation to radioactive iodine in atherosclerosis p.57
Matsaberidze, B.S. - Diagnosis of atherosclerosis of the aorta by the piezosphygmographic method. p.61.
Vatsadze, T.G, Zhgenti, L G. - Some hemodynamic indices in atherosclerosis of the thoracic aorta. p.67.
Mamaladze, G.T. - Functional state of the thyroid gland in atherosclerosis. p.71.
Kikodze, N.L. - Study of the hemodynamics of the kidneys in atherosclerosis of the cardiovascular system p.75.
TSintsadze, K.I. - State of the higher nervous activity in atherosclerosis. p.83.
Akhobadze, V.A - Bioelectric activity of the cerebral cortex in atherosclerosis. p.93.
Matsuradze, M.Z - Quantity of 17-ketosteroids in the amount of urine secreted in a 24-hour period and the Thorn eosinopenic test in coronary disease p.97.
Zamyslova, K.N., Beliaeva, N.K. - Combination of hypertension and atherosclerosis. p.101.
Shpirt, IA.IU., Davidenkova, I.M., Sevriugina, A.I. - Vitamins A and E in atherosclerosis. p.107
Sribner, I.M - Diabetes and atherosclerosis. p.111.
Mateshvili, G.I., Bagashvili, S.L., Andreeva, S I. - Atherosclerosis treatment with histidine. p.113.
Mgeladze, N V., Metonidze, Sh.Sh., Dateshidze, D.G. - Effectiveness of atherosclerosis treatment in the humid climate of subtropical Abkhazia. p.119.
Chimakadze, G.N. - Changes in the electrocardiogram and ballistocardiogram in atherosclerosis. p.125.
Volkova, K.G. - Comparative assay of the methods determining the degree of the development of experimental atherosclerosis. p.131.
Stroikova, N.G., Ivanova, L.V., Fedorova, G.D. - Method of determining the content of total lipids and cholesterol in the aorta of rabbits. p.137.
Anestiadi, V.Kh. - Atherosclerosis in the light of ultraviolet fluorescence histochemical analysis. p.141.
Putkaradze, N.M. - Some histochemical characteristics of the aortic wall in experimental atherosclerosis. p.147.
Tatishvili, I.IA., Kapanadze, R.V. - Histochemical changes in some internal organs in experimental atherosclerosis. p.151.
Pozhariisskii, K.M. - Atherosclerosis of the arteries of the conducting system of the heart and its role in the origin of arrhythmia. p.155.
TSintsadze, K.I., Kvirikadze, N.K., Elioziahvili, V.K. - Bile secreting function of the liver and the chemical composition of bile in experimental cholesterol atherosclerosis in rabbits. p.159.
Nakaidze, O.A. - Dynamics of the serum glycoprotein fractions in experimental cholesterol atherosclerosis. p.173.
Dolidze, E.I. - Functional state of the liver during a diet consisting of qualitatively different fats in experimental atheromatosis. p.177.
Mikhnev, A.L., and others. - Disorders in circulatory regulation in experimental atherosclerosis in dogs. p.181.
Mikushkin, M.K. - Effect of a stereotype on the cholesterol content in the tissues of rabbits in experimental atherosclerosis. p.187.
Andriadze, A.N. - Effect of some new complex cobalt compounds on the development of experimental atherosclerosis. p.189.
TSabadze, G.V. - Effect of "novhiod" on the development and course of atherosclerosis (experimental and clinical aspects). p.195.
Kikodze, N.L., Machavariani, Z.S., Bregvadze, G.L. - Results of prolonged observations of hypertensive patients. p.203.
Kutateladze, N.M. - X-ray characteristics of the heart and the vascular bundle in hypertension. p.207.
Mazurenko, T.I. - Morphological characteristics of the erythrocyte composition of the blood in hypertension. p.219.
Aladashvili, V A. - Character of the interrelations between hypertension and some diseases of the digestive organs p.227.
Lomouri, A.I. - Regional changes in blood pressure in hypertension and some diseases of the digestive organs. p.227.
Lomouri, A I - Regional changes in blood pressure in hypertension and some other diseases of the cardiovascular system p.231.
Turkel'taub, M S - Distribution of hypertension and the characteristics of its course in Transcarpathia. p.239.
Dolabchian, Z.L. - Ballistocardiographic study in hypertension p.247
Gogibedashvili, V G., Chilingarishvili, E.I, IAralov, S I - Treatment of hypertension with hydroaeroionization. p.253.
Nadareishvili, N.A. - Treatment of hypertension by means of diathermy of the receptor zones. p.257.
Tvaltvadze, G.G., and others - Change in some indices of the function of external respiration in cardiovascular patients under the influence of thalassotherapy. p.267.
Ratner, N.A - Diuretic and hypotensive effect of hypothiazide p 273
Il'ina, L.I., Enukidze, S S - Pathophysiological mechanisms of hypertension crises. p.279.
Girdaladze, M.A. - Study of the hypotensive effect of increpan in hypertension. Report No. 2. p 283.
Lugovoi, V.V. - Characteristics of blood pressure in workers of high-mountain logging camps in Georgia. p.293.
Kurdiani, N.A. - Some functional and morphological data on the state of the myocardium in experimental hypothyreosis. p 297.
TSintsadze, K.I., and others. - Pathogenesis of myocardial dystrophy in chronic irritation of the gallbladder. p.301.
Tabatadze, N.D - Study of the paths of ammonia formation and its elimination in the myocardium in experimental thyrotoxicosis. p.315.
Gvarishvili, R.I. - Oxidative and glycolytic phosphorylation of the myocardium in experimental E-avitaminosis. p.321.
Dzhavakhishvili, N.A., Komakhidze, M.E. - Venous system of the myocardium in the age-related aspect and in ischemia. p.327.
Fogel'son, L I - Diagnostic errors and expertise on the working capacity in cardiovascular diseases. p.331.
Shchupak, N.B. - Clinical aspect and diagnosis of a pseudoabdominal form of angina pectoris and myocardial infarction p.337.
IAsinovskii, M.A., Boiko, G.F - Myocardial infarctions with serious disorders of cerebral circulation, acute rhythm disorders and perforation of the interventricular septum. p.341
Zaalishvili, I.M. - Importance of blood vessels of the muscular type in regulating blood pressure in health and in pathology. p 349
IAroshevskii, A.IA., Zhavoronkova, E.K. - Observation of the results of anticoagulant therapy and the indices of the blood coagulation system in coronary insufficiency. p.353.
Vashakidze, K.G. - Use of a powder from the leaves of Digitalis ciliata in treating chronic cardiac insufficiency. p.357.
Dembo, A.G., Tiurin, A.M. - Bloodless determination of the rate of the blood flow in health and pathology. p.361.
Didebulidze, T.G. - Phonocardiographic changes in mitral defects. p.367.
Chkhaidze, Z.K. - Presystolic and diastolic murmurs of a functional origin. p.373.
Vinitskaia, R.S. - Use of the stain dilution curves in the study of blood circulation in heart defects. p.377
Shik, L.L. - Regulation of the minute volume of the blood according to research data on congenital heart defects. p.381.
Lomouri, A.I. - Materials on the state of the histohematic barrier in some cardiovascular diseases. p.385.
Litanishvili, V.B. - Some biocatalysts of the blood in heart defects with different degrees of blood circulation insufficiency. p.391.
Efendiev, F.A., Rzaev, N.M. - Treatment of pulmonary infarction with heparin. p.395.
Kobakhidze, M.L. - Reproduction of experimental chronic coronary insufficiency. p.403.
Kuz'minskaia, U.A. - Carbohydrate and phosphorus metabolism within the heart in pituitrin coronary insufficiency. p.407.
Shkhvatsaia, I.K. - Experimental reproduction of myocardial lesions due to affection of the central nervous system. p.411.
Chazov, E.I. - Some new data on coronary thrombosis. p.417.
Raiskina, M.E., Samoilova, Z.T., Khodas, M.IA - Importance of disorders in the blood supply of the heart in the death mechanism during the acute stage of myocardial infarction. p.419.
Banaru, A.N. - Method of ultraviolet and luminescent characterization of the myocardium. p.423.

[illegible] - Reflex reactions in experimental cardiac pathology. p.427.

Gvishiani, G S. - Effect of diamine-ethylene cobalt iodide and diethylstilbestrol combined with testosterone on the development of myocardial collaterals in experimentally induced coronary insufficiency p.431.

Bakulev, A.N., Kolesnikova, R.S - Therapeutic fasting in chronic coronary insufficiency and in a number of other diseases p.437.

Kobaladze, S.G., Cheishvili, R.P. - Results of the use of chloracizin. p.441.

Gambashidze, N.B - Combined effect of diethylstilbestrol and testosterone on coronary circulation in experimental coronary insufficiency p.445

Chkhikvishvili, L S. - Effect of diethylenediamine cobalt iodide on coronary circulation p.451.

Gogenava, L.S., Chkhikvishvili, L.S - Effect of some hydrazine derivatives of cobalt on coronary circulation. p.457.

Sokolova-Ponomareva, O.D. - Diagnostic criterion of the activity of the rheumatic process in children p 461.

Gvantseladze, V S, and others. - Determination of the activity of the rheumatic process p.467.

Oskolkova, M.K., Ternova, T.I. - Clinical phonocardiographic observations of extrasystoles in children. p.475.

Ternova, T.I. - Clinical electrocardiographic observations of children with rheumatic fever and disorders of the cardiac rhythm. p.477.

Esaian, M.A. - State of the coronary circulation in rheumatic fever. p.481

Dibner, R.D. - Phonocardiographic diagnosis of functional systolic murmurs p 187.

Gorizontov, P.D., Moroz, B.B. - Effect of ionizing radiation on the heart. p 493.

Akhmeteli, G.S. - Some hemodynamic indices in radiation sickness caused by disorders in cortical dynamics. p.499.

Koblashvili, I.G. - Results of study of the functional state of the cardiovascular system by means of radioactive isotopes. p.503.

Volynskii, Z.M. - Radioactive isotopes in clinical and experimental cardiology. p 507.

Shtiafer, T.P. - Changes in cardiac activity during different age periods in rats with lesions of some sections of the brain. p.511.

Ivanitskaia, M.A. - X-ray diagnosis of insufficiency of the mitral valve. p.515.

Mateshvili, G.I., and others. - Study of the functions of the cardiovascular system in different types of sports (Greco-Roman wrestling, free-style wrestling, table tennis). p.519.

Klimova-Cherkasova, V.I - Mechanisms of the central effects of the vegetative nervous system on cardiac activity. p.525.

Korneva, E.A. - Evolution of the reflex regulation of cardiac activity. p.529.

Antropov, G.A., and others. - Comparative physiological characteristics of the effect of aminazine on the regulation of cardiovascular activity. p.533.

Mchedlishvili, G.I., Akhobadze, V.A., Ormotsadze, L.G. - Experimental investigations of cerebral circulation in a temporary occlusion of the cranial (superior) vena cava. p.537.

Mchedlishvili, G.I., Akhobadze, V.A., Ormotsadze, L.G. - Dynamics of disorders of the cerebral circulation and their compensation in a temporary occlusion of the aorta. p.543.

Konradi, G.P., Levtov, V.A. - Correlation of general and local vasomotor reactions in chemical stimulation of blood vessels. p.551.

Ar'eva, E.M. - Immediate and late results of a bilateral ligation of the internal thoracic artery in chronic coronary insufficiency. p.555.

Makharadze, Sh.K, and others. - Experimental coronary angiography. p.559.

Pipia, I.K., Telia, A.V. - Alloplasty of the large blood vessels. p.565.

Uglov, F.G., and others. - Diagnostic puncture of the atrium sinistrum with catheterization of the left cavities of the heart and the aorta. p.569.

Kartavova, V.A., and others. - Contrast investigation of the heart and large vessels by the method of direct punctures. p.577.

Uglov, F.G. - Surgical treatment of mitral stenosis, in the 4th and 5th stages. p.585.

Kurbangaleev, S M. - Some experimental data on the exclusion of the heart from blood circulation. p.591.

Kuprilanov, P.A., Kolesov, A.P., Burmistrov, M.I. - Results of operations on the open heart. p.603.

Kuprilanov, P.A., Kolesov, A.P., Btestkina, T.G. - Some results and prospects of surgical treatment of mitral defects of the heart. p.609.

Meshalkin, E.N., Sergievskii, V.S. - Surgical correction of coronary insufficiency. p.613.

Mikaelian, A.L. - Surgical treatment of aortic stenosis by the open method. p.627.

Potashov, L.V. - Intravital diagnosis of thrombosis of cardiac cavities in mitral stenosis. p.633.

Bredis, A.I. - Gases in the blood in heart diseases. p.639

Meshalkin, I.N. - Physiological substantiation of mitral commissurotomy. p.645.

Kolesnikov, S A. - Surgical treatment of acquired heart defects. p.651.

Gel'shtein, G G, Meitina, R.A - Tasks of functional diagnosis in cardiac surgery. p.657

Makharadze, Sh.K., Chanturaia, O.A., Garsevanishvili, Sh.D - Treatment of chronic coronary insufficiency by means of a bilateral ligation of internal thoracic arteries. p 663.

Kolesov, V I, Drevina, A.I. - Results of surgical treatment of stenocardia. p.667.

Machavariani, Sh.S., Kapanadze, R.V. - Morphological changes in the heart following the use of direct massage and electric defibrillation in dogs following clinical death as a result of a unilateral open pneumothorax. p.673.

(DNLM)

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia meditsinskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Medical Sciences]. Alma-Ata, no.1, 1964.

Table of contents translated:

Potapov, I.A. - Evaluation of the results obtained by the method of perfusion of the lymphatic vessels. p.3.

Musatova, L. P., Dankova, A.N. - Effect of hypothermia on vascular permeability and lymph circulation. p.11.

Vasil'chenko, R.S., and others. - Mechanism of the change in lymph circulation due to the stimulation of the receptors of the emunctory organs. Report No.7. p.16.

Volod'ko, N.I., Pal'gova, L.E. - Mechanism of the origin of a pleuropulmonary shock in intrathoracic surgery. p.25.

Khairushev, E.A. - Functional state of some analysors in relation to sex and age. p.31.

Vel'khover, E.S. - Effect of a single acupuncture treatment on the bioelectric activity of the brain in neurasthenia. p.37.

Trofimov, G.K. - Effect of aeroions on the change in blood coagulation during the sensibilization and anaphylactic shock in rabbits. p.43.

Makashev, K.K., Kazachenko, L.V. - Distribution and excretion of radioactive calcium from the organism of healthy and lead-poisoned animals. p.50.

Kerimbekov, B.K. - Synthesis of vitamin C in sour milk products. p.56.

Kalenistova, I.A. - Functional state of the adrenal cortex in patients with chronic polyarthritis and its changes in the process of treatment with Saryagach mineral baths and baths combined with the use of prednisone. Report No.1. p.59.

Khomniuk, V.F. - Balneological evaluation of mineral waters of the Virgin Territory and Karaganda Province. p.66.

Koren'kova, R.G., Red'ko, R.N. - Characteristics of the therapeutic muds in the lakes of North Kazakhstan Province. p.72.

Sokolova, A.S. - Comparative characteristics of the results of treating gynecological diseases at the Ayak-Kalkan and Almaarasan balneological health resorts. p.80.

Beklemishev, N.D., and others. - State of the health of people inoculated with live antibrucellosis vaccines. p.84.

Shin, N.G., Dubrovskaia, I.I., Rementsova, M.M. - Study of Brucella cultures isolated from hares by the method of immunoelectrophoresis in agar gel. p.91.

Blagodarnyi, IA.A., Ponomarenko, G.P. - Materials on the examination of wild rodents as Leptospira carriers in the sands of the Volga-Ural interfluve. p.100.

Vol.11, no.2, 1964.

Table of contents translated:

Skipina, E.G. - Venomotor center. p.3.

Musatova, L.P., Potapov, I.A. - Effect of reflexes from the receptors of the lymphatic system on diuresis. p.17.

Dankova, A.N., Potapov, I.A. - Participation of the lymphatic vessels in the lumph flow changes caused by some interoceptive stimulations. p.22.

Bernshtein, V.A. - Role of blood glucose in the energetics of cold-induced tremor. p.27.

Altbaev, T.Kh. - Serous mucoid and sialic acids in the blood in different laboratory animals. p.32.

Narodetskaia, L.N. - Functional state of the thyroid gland or rabbits in experimental thyroiditis according to data on the absorption of radioactive iodine. p.35.

Makashev, K.K., Rakhimova, Z.P. - Distribution and discharge of p^{32} from the organism of healthy and lead-poisoned animals. p.44.

Nesis, A.I., and others. - X-ray and pathomorphological comparisons between cardiac changes in anthracosilicosis. p.50.

Simin-Serverskaia, I.A. - Availability of vitamin C for rural schoolchildren on the Mangyshlak Peninsula in the spring. p.56.

Vel'khover, E.S. - Acupuncture in compound sanatorium treatment of neurasthenia. p.59.

Kalenistova, I.A. - Functional state of the adrenal cortex in chronic rheumatic and rheumatoid polyarthritis and its change as a result of health resort treatment with Saryagach mineral baths and baths combined with small doses of prednisone. Report No.2. p.65.

Dzhansugurova, U.I. - Skin allergic tests in epidermophytosis complicated and uncomplicated by yeast. p.71.

Shin, N.G. - Characteristics of Brucella cultures isolated from hares by the method of diffusion precipitation in gel. p.76.

Klebanova, A.A., Shapiro, D.M., Blagodarnyi, IA.A. - Characteristics of Mycobacterium tuberculosis isolated in a remote district in Alma-Ata Province. p.85.

AZERBAICHAN TIBB ZHURNALY. AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL]. Issued by Azerbaichan SSR Sehiile nazirliii [Azerbaijan Ministry of Health]. Baku, vol.40, no.10, Oct. 1963.

Table of contents translated:

Gadzhiev, A.A., Tagiev, G.A. - Functional state of the vegetative nervous system in premedication with neuroplegic mixtures for local anesthesia. p.10.

Adigezalova-Polchaeva, K.A., Safarova, T.A. - Treatment of pigmented degeneration of the retina. p.16.

Ramazanova, Kh.G. - Glucose regulation in Botkin's disease in compound therapy with the use of Istisus mineral water. p.21.

Aliev, A.R., Burtikova, T.A., Akhmedov, A.A. - Closed injuries of abdominal organs. p.27.

Agaeva, N.M. - Late results of tonsillectomy. p.36.

Musaev, N.B. - Treatment of enterocolitis in children with dry plasma and a furoclin solution. p.43.

Ismailiev, A.S. - Restoration of blood circulation in a transplanted joint homograft according to X-raying data. p.46.

Aliev, A.B. - Some data on the comparative evaluation of the adaptive role of the sympathetic nervous system in the diagnosis of acute appendicitis. p.49.

Saryev, G.A. - Bactericidal and bacteriostatic properties of naphthalan (refined) in relation to Pasteurella. p.54.

Gazarian, R.P., Bozilan, Kh.A. - Public health in the Nagorno-Karabakh Autonomous Province. p.58.

Kasimov, G.B., Makhmudova, Sh.A. - Bibliographic index of medical helminthology in Azerbaijan for the period 1876-1962. p.62.

Kuliev, A.Kh., Azizbekova, T.Kh., Alizade, S.A. - Answer to N.S.Zhdanova's review published in "Azerbaidzhanskii meditsinskii zhurnal," no.3, 1963. p.66.

In memory of M.M.Efendizade. p.75.

*BIULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Adakemiia meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol.56, no.8, Aug. 1963.

Table of contents translated:

Udel'nov, M.G., Fedorova, A.P. - Work of the muscular trabecula in relation to stress and initial length. p.3.

Esakov, A.I. - Reflex regulation of "spontaneous" activity of tongue chemoreceptors. p.7.

Zaiko, N.S., Kuznetsov, M.I., Cholnokova, N.A. - Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriat dietary regimen. p.11.

Dmitrieva, T.M., Kurilova, L.M., Sykhovskaia, N.A. - Reflex reactions of thermoreceptors. p.14.

Dang Tkhu. - Localization of function in the rat cerebral cortex. Report No.3: Visual and auditory conditioned response in rats following preliminary removal of the temporal and occipital lobes of the brain at an early age. p.17.

Liberman, L.L., IAroshevskii, IU.A. - Insulin function of the mother and fetus. p.21.

Beliaev, V.I. - Change of electric activity in a single Ranvier's node of an isolated nerve fiber under the influence of novocaine. p.24.

Arbashchenko, N.I., and others. - Body reactions during the prolonged effect of coriolis accelerations. p.28.

Barer, A.S., Golov, G.A., Sorokina, E.I. - Physiological reaction of the human body during the action of maximum accelerations in time and intensity, directed along the spinal-thoracic axis. Change in the system of external respiration. p.33.

Nesterin, M.F., Anokhin, V.N. - Enzyme excretory function of the alimentary tract during the use of prednisone. p. 37.

Korostovtseva, N.V. - Effect of training on resistance to cerebral anemia in rats subjected to hypothermia. p. 44.

Seleznev, S.A. - Oxygen regimen of the liver in severe traumatic shock. p. 46.

Fudel'-Osipova, S.I., Rodionov, G.A. - Relation between some physiological and histomorphological changes in the neuromuscular apparatus of animals during aging. p. 50.

Afanas'eva, A.V. - Immunochemical characteristics of blood serum albumin in dogs during ontogenesis. p. 54.

Sveshnikova, N.A. - Hexokinase activity in brain, myocardial and striated muscle homogenates during anesthesia. p. 47.

Ledentsov, IU.K., Larionova, E.M. - Change in the content of some amino acids in the blood and urine under the influence of low temperature and ionizing radiations. p. 60.

Sharov, I.I. - Phosphatases in the human placenta. p. 64.

Bel'chenko, D.I. - Role of different segments of the alimentary tract in the excretion of radioactive calcium. p. 68.

Faitel'berg-Blank, V.R. - Effect of long-wave diathermy on gastric and intestinal absorptive activity. p. 70.

Diablova, P.E. - Effect of gamma-aminobutyric acid on potassium and acetylcholine skeletal muscle contraction. p. 75.

Korneva, E.A., IAkovela, M.I. - Some data on the role of the higher segments of the brain in the reaction of respiration to aminazin introduction. p. 77.

Pershin, G.N., Nesvad'ba, V.V. - Study monamine oxidase activity of mycobacteria B_5. p. 81.

Ponomar'kov, V.I. - Transplantation of "radiation" tumors of mammary glands in rats. p. 85.

Grigor'ev, A.V. - Development of capillaries in post-traumatic regeneration of skeletal muscle tissue in mammals. p. 89.

Krasil'nikova, N.V. - 24-hour rhythm of mitoses in various organs of embryos of white mice and rats. p. 93.

Karmysheva, V.IA. - Quantitative characteristics of the oocytes of the ovaries of white rats in acute radiation sickness. p. 97.

Aleshin, B.V., Krivobok, IU.B. - Shifts in the absorptive capacity and isoelectric point of thyroid cells during the action of 6-methylthiouracil. p. 101.

Ermolaeva, V.IU. - Anatomical connections of cortical representation zones of the splanchnic nerve in cats with the promotor, motor and limbic systems. p. 107.

Zaletaeva, T.A. - Some destructive and regenerative processes in the liver following starvation. p. 112.

Baevskii, R.M., and others. - Use of automatic logical devices for medical control. p. 116.

Orlov, D.N. - Preparation of microelectrodes from various metals with an apparatus for electrolytic sharpening of medical instruments. p. 121.

Timashkovich, K.D. - Preservation of bone homotransplants with hypertonic solutions at room temperature. p. 122.

DUSHANBE. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 64, 1964.
Contents: Kal'shtein, L.I. [Highmoritis in children] Gaimorit u detei. 82 p.
(DNLM)

IRKUTSK. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EPIDEMIOLOGII I MIKROBIOLOGII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF EPIDEMIOLOGY AND MICROBIOLOGY. Transactions]. No. 6, 1961.

Table of contents translated:

Karpukhin, G.I. - Foreword. p. 5.

Dotsenko, P.S. - Production of concentrated and dry antiperfringens types B, C, and D serums. p. 7.

Dotsenko, P.S. - Possibility of the use of antiperfringens type A, B, C and D serums for diagnostic purposes. p. 11.

Dotsenko, P.S. - Determination of the natural immunity to Clostridium perfringens in serum producers; author's abstract. p. 23.

Dotsenko, P.S. - Active prophylaxis against the principal agents of gas gangrene; author's abstracts. p. 24.

Dotsenko, P.S., Galushko, L.G. - Study of the fractional composition of proteins of antitetanus serum in the immunization process. p. 26.

Shchamel', E.I. - Comparative evaluation of nonspecific stimulants in the development of antitoxic immunity in tetanus. Report No. 1. p. 34.

Shchamel', E.I. - Immunizing effect of an antigen in a precipitated state. Report No. 2. p. 41.

Shchamel', E.I. - Mechanism of the action of nonspecific stimulants on immunogenesis. Report No. 3. p. 48.

Shchamel', E.I. - Pathomorphological changes in subcutaneous administration of nonspecific stimulants (experiments on guinea pigs). Report No. 4. p. 56.

Petrova, N.D. - Immunizing reactivity in the administration of small doses of antigens; author's abstract. p. 61.

Zhidkova, F.T., Politova, A.G. - Formation of a diphtheria toxin in the diffusion cultivation method. p. 63.

Pozdnova, E.N. - Intensive scheme for the utilization of horses in the production of antidiphtheria serum. p. 76.

Pozdnova, E.N. - Utilization of horses as producers of antitoxic and antidiphtheria serum, author's abstract. p. 81.

Pozdnova, E.N., Petrova, N.D. - Selection of horses for serum production; author's abstract. p. 83.

Panfilova, A.P., Dotsenko, P.S., Pozdnova, E.N. - Compound immunization as a method of selecting horses for the production of antitoxic serums. p. 85.

Ivanova, E.I., and others. - Causes of the development of pyrogens in the purification and concentration of antitoxic serums. p. 90.

Galushko, L.G., Ivanova, E.I., Pozdnova, E.N. - Fractional composition of proteins and losses of antitoxin in the purification and concentration of antidiphtheria serum. p. 98.

Petrova, N.D., Pozdnova, E.N. - Immunization of horses with a biostimulant; author's abstract. p. 105.

Petrova, N.D., Pozdnova, E.N. - Determination of the immunogenic capacity of serum producers by the alexin titer; author's abstract. p. 107.

Florensova, V.A. - Paths of improving antirabic vaccination. p. 109.

Florensova, V.A. - Experimental study of immunization with dry preparations, the Irkutsk modified antirabic vaccine (with a live fixed virus) and the Fermi vaccine. p. 118.

Florensova, V.A. - Irkutsk modification of antirabic vaccinations and the Fermi method based on the materials of the Irkutsk Pasteur Station, 1937-1946; author's abstract. p. 124.

Politova, S.F., Petrova, N.D. - Comparative evaluation of the biological properties of the Leningrad and Moscow strains of a fixed rabies virus. p. 129.

Petrova, N.D. - Effect of nonspecific stimuli on the immunogenesis in experimental rabies; author's abstract. p. 134.

Florensova, V.A., Shchamel', E.I. - Determination of the activity of smallpox vaccine with the aid of antivaccinal serum; author's abstract. p. 135.

Valueva, V.N. - Development of a method for the cultivation of microbes of the intestinal group on hygroscopic tissue; author's abstract. p. 137.

Valueva, V.N., Panfilova, A.P. - Relation of the titer of a dry dysenteric bacteriophage to the different conditons of its preservation; author's abstract. p. 141.

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 2, vol. 8, no. 7, July 1964. Razdel [Section] 5, vol. 8, no. 7, July 1964. Razdel [Section] 8, vol. 8, no. 6, June 1964. Razdel [Section] 9, vol. 8, no. 7, July 1964. Razdel [Section] 10, vol. 8, no. 7, July 1964. Razdel [Section] 11, vol. 8, no. 7, July 1964. Razdel [Section] 12, vol. 8, no. 7, July 1964. Razdel [Section] 13, vol. 8, no. 7, July 1964.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL O [illegible]
zdravookhra [illegible]
[Ministry of [illegible]
the Uzbek S.S.R.]. Tashkent, nos. 5-6, May-June 1964.

NOUKOGUDE EESTI TERVISHOID [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministeerium [Ministry of Health of the Estonian S.S.R.]. Tallinn, vol. 7, no. 3, May-June 1964. [In Estonian]

[illegible]

SMOLENSK. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 15, 1962. Voprosy morfologii perifericheskoi nervnoi sistemy [Problems of morphology of the peripheral nervous system].

Table of contents translated:

Anisimova-Aleksandrova, V.V. - Structure and innervation of the nerves of the cerebral dura mater. p. 3.

Semenova, G.S. - Innervation of the pharynx and the cervical portion of the esophagus in man and some animals. p. 18.

Semenova, G.S. - Structure of the tunica muscularis of the cervical portion of the esophagus and its efferent innervation in man and in some animals. p. 28.

Semenova, G.S. - Sources of the innervation of the pharynx and the cervical portion of the esophagus. p. 38.

Antonova, V.I. - Morphology of the sensory nerve endings of the diaphragmatic and the subdiaphragmatic portions of the esophagus and the cardial portion of the stomach in man and animals. p. 50.

Starshinova, V.M. - Morphology of the neuromuscular apparatus of the extrinsic muscles of the eye in fish and amphibia. p. 58.

Starshinova, V.M. - Morphology of the neuromuscular connections of the extrinsic muscles of the human eye. p. 69.

Miliagin, IA.A. - Morphophysiological characteristics of the organization of inborn reactions. p. 80.

Novoderezhkina, L.N. - Age-related morphology of the motor nerve endings of the masseter and facial muscles in rabbits. p. 89.

Semenova, G.S. - Nervous apparatus of the pharynx and the cervical portion of the esophagus in human fetuses. p. 98.

Rybchinskaia, L.P. - Development of the afferent apparatus in the muscles of the supralingual and sublingual groups in people. p. 108.

Tikhonova, L.P. - Morphology of the sensory nervous apparatus of the human rectum during the period of fetal development. p. 114.

Murashkina, A.P. - Degeneration of the striated muscle fibers of the bluebottle fly Calliphora erytrocephala Mng. during the period of postembryonic development. p. 122.

Korytnyi, E.IA., Gekhman, M.Kh. - Effect of a novocaine block used by A.V. Vishnevskii's method on the regeneration of an injured skeletal muscle. p. 131.

Anisimova-Aleksandrova, V.V. - Reactive changes in the afferent conductors of the cerebral dura mater in the paravascular region. p. 141.

Eliseeva, M.I. - Reactive changes in the nervous elements of Auerbach's plexus of the small intestine in lymphostasis. p. 154.

Larionova, G.I. - Experimental reactive changes in the nervous elements of the large intestine. p. 164.

Svistelin, D.P. - Morphological changes of the renal nerve plexus in nephrosclerosis. p. 172.

Berggriun, I.S. - Dynamics of pathohistological changes in the retina of the eye in experimental acute radiation sickness. p. 180.

Berggriun, I.S. - Morphological changes in the optic nerve exposed to the action of ionizing radiation. p. 190.

TSvetkova, G.M. - Morphology of compensatory reactions in the nervous system in acute coronary insufficiency without pronounced organic changes in the heart. p. 200.

TSvetkova, G.M. - Morphology of compensatory reactions in the nervous system in coronary insufficiency with an acutely pronounced stenosing coronary sclerosis. p. 207.

TSvetkova, G.M. - Changes in the nervous system in experimental myocardial infarction caused by a ligation of the coronary arteries. p. 217.

Zarudin, V.V. - Morphological changes in the basal argyrophilic substance of the liver and in some sections of the nervous system during colienteritis in breast-fed infants. p. 226.

Zarudin, V.V. - Differential diagnosis of morphological changes in the intestine in dysentery and "colienteritis" in breast-fed and very young children. p. 236.

Sharov, N.A., Mitrofanov, V.S. - Study of the local irritating action of trimecaine, a new Russian anesthetic. p. 247.

STAVROPOL, [illegible]
INSTITUT, [illegible]
TUTE, Stu [illegible]
kokkovoi bo [illegible]

Table [illegible]

Budylin, V. [illegible]

Gilevich, II [illegible]
epidemic [illegible]
echinococcal disease. p. [illegible]

Nudner, T.K., and others. - Echinococcosis of the liver. p. 30.

[illegible]

[illegible], and others. - Echinococcosis of the lungs. p. 42

[illegible], V.M., Pirozhkova, L.A. - Echinococcal [illegible] of the organs of the abdominal cavity. p. 73

[illegible], T.G., [illegible], I.T., Khubiev, A.M. - Echinococcosis of the kidneys and the retroperitoneal [illegible]. p. 94

[illegible], I.T., [illegible], A.S. - Echinococcosis of [illegible] p. 111

[illegible], N.N. - Echinococcosis of the central nervous system. p. 113

[illegible], A.A., Kalashnikova, T.M. - Echinococcosis of the [illegible]. p. 127.

Veretutin, IU.M., Cherkashin, V.I. - Echinococcosis of the bones. p. 134

Aliev, Sh.U., Veretutin, IU.M., Ishchenko, L.I. - [illegible] cysts of the thyroid gland. p. 140

T[illegible], I.L. - Echinococcosis of the heart. p. 147

[illegible], G.P., Kallagin, A. - Echinococcosis of the pericardium. p. 150.

Partik[illegible], A.S. - Echinococcosis of the pleura. p. 154

Aliev, Sh.U., L[illegible], V.G. - Echinococcosis of the breast. p. 159.

V[illegible], D.K. - Echinococcosis of the common bile duct. p. 162

Gilevich, IU.S., and others. - Diagnostic importance of Casoni's intracutaneous allergic reaction in echinococcosis. p. 165.

Bodulin, V.P., and others. - Change in the blood in echinococcosis. p. 172

Shklarevskaia, E.V., Bodulin, V.P., Eromysh'ian, G.A. - Topical diagnosis of pulmonary echinococcosis. p. 177

Mishustin, S.P. - Surgeon's technique in the case of evacuated pulmonary echinococcal cysts. p. 188.

Karashurov, E.S., Shkarupelov, A.A. - Echinococcal relapses. p. 205

I[illegible], D.N. - Rupture of a liver hydatid into the bronchus. p. 213

Izotova, A.A. - Rupture of echinococcal cysts of the liver into the bladder, and the bile ducts. p. 219.

Aliev, Sh.U. - Combination of liver echinococcosis with a mediastinal dermoid cyst prolapsed into a hernia of the thoracic wall. p. 222.

Makarov, M.S., Volochenko, N.V. - Echinococcosis of the spine and a rib simulating a parasitic cyst of the right lung and the posterior mediastinum. p. 226

Gilevich, IU.S. - Some surgical problems in echinococcosis. p. 232.

Shmal'ko, I.T., Veretutin, IU.M., Zinchenko, G.P. - Literature on echinococcosis. p. 258.
(DNLM)

SUDEBNO-MEDITSINSKAIA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 7, no. 2, Apr.-June 1964.

Table of contents translated:

Zagriadskaia, A.P. - Some characteristics of stabbing and cutting lesions depending on the mechanism of their formation. p. 3.

Balaev, V.V. - Medicolegal expertise concerning the mechanism of the formation of excoriations; a preliminary report. p. 7.

Kriukov, V.N. - Some mechanisms of the injuries of human cranial and pelvic bones. p. 11.

Moiseev, V.M. - Determining the direction of the motion of the automobile according to medicolegal data. p. 14.

IAnkovskii, V.E. - Medicolegal importance of the characteristics of the course of traumas in the upper extremities in childhood. p. 16.

Alisievich, V.I. - Chromaffinomas of the medullary layer of adrenal glands as the cause of sudden death. p. 19.

Pashinian, G.A. - Possibility of determining a live birth in saprogenic changes in the lungs. p. 22.

Gladyshev, IU.M. - Microscopic examination of the bones from a medicolegal viewpoint. p. 23.

Solov'eva, N.A. - Detection of A and B agglutinogens in liquid and dry blood by means of heteroimmune hemagglutinating anti-A and anti-B ram serums. p. 26.

Arabelas, L.K., Luicheva, E.S. - Determination of Rh-agglutinogen C^W in the blood of Moscow donors. p. 30.

Polishchuk, I.A., Streiets, N.N. - Medicolegal expertise regarding seminal stains; a preliminary report. p. 32.

Ushakov, V.V. - State of expertise on the fertilization capacity in males. p. 33.

Prozorovskii, V.I. - Forensic medicine in Finland. p. 37.

Morozov, G.V. - Forensic psychiatric evaluation of stuporous states. p. 41.

Savostin, G.A. - Rare case of expertise on a gunshot wound. p. 44.

Cherkavskii, N.B. - Clothes imprint on the skin at the bullet exit. p. 45.

Kitaev, IU.M. - Focal skin edema in the area of the strangulation furrow. p. 47.

Ovsiannikov, V.N., Kolpashchikov, E.G., Zimina, L.A. - Accidental hanging. p. 48.

Koval', A.G., Cherkavskii, N.B. - Hemorrhage in the myocardium in direct heart massage. p. 49.

Prozorovskii, V.I., Levchenkov, B.D. - Once again about intracranial hemorrhages. p. 50.

Abashidze, K.R. - Disorders of cerebral circulation as a result of an injury of the large cervical blood vessels. p. 54.

Rozin, L.P. - Sudden death of an 81/2-month-old infant caused by idiopathic myocarditis complicated by heart rupture. p. 56.

Levchenkov, B.D. - Abstracts. p. 57.

Lukash, A.A. - First Enlarged Scientific and Practical Conference of Medicolegal Personnel and Anatomicopathologists of the Estonian S.S.R. p. 61.

Aleksandr Samoilovich Litvak; on his 50th birthday and 25th anniversary of his scientific, pedagogical, practical and civic activities. p. 63.

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 19, no 6, 1964. [In Lithuanian]
(DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no 7(74), July 1964
[In Latvian]

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 38, no. 3, May-June 1963.

Table of contents translated:

Zodiev, V.V., Spasskaia, P.A. - Roentgenological changes in the joints in collagen diseases. p. 3.

Gratsianskii, V.P. - Further data on so-called Calvé's disease. p. 8.

Gorodnik, A.G., Lantsov, V.P. - Osgood-Schlatter disease. p. 14.

Mazo, I.S. - Symptom of local arthrosis in the diagnosis of so-called pseudospondylolisthesis. p. 17.

Popelianskii, IA.IU. - Cervical osteochondrosis and subluxation of the intervertebral joints. p. 21.

Kochergin, A.I. - X-ray diagnosis of congenital listeriosis in newborn infants. p. 25.

Simenach, B.I. - Importance of pneumoarthrography in the diagnosis of internal injuries of the knee joint. p. 27.

Kostin, N.S. - Evaluation of arteriographic data in open fractures of the bones of the extremities. p. 35.

Shekhter, I.A., Shniger, N.U. - Deformity of the stomach of an ulcerative origin. p. 30.

Finkel'shtein, S.I. - Urokymography in calculi of the ureters and kidney pelvis. p. 46.

Shakov, I.I., Ginzburg, IU.I. - Urethral-venous reflux. p. 49.

Lindenbraten, L.D., Zal'tsman, I.N. - Structure and function of a training museum of the department of roentgenology and radiology. p. 52.

Petrov, B.A., Palladieva, N.M., Pivanova, P.S. - Methodology for determining the dosage rates for the gonads during X-ray diagnosis procedures. p. 56

Kachur, L.A., Pospelova, I.I. - Dosage estimation in intratissue introduction of radioactive colloidal gold. p. 59.

Petrov, V.I., and others. - Methodology of preparing an aqueous suspension of barium for X-ray examination of the gastrointestinal tract. p. 61.

Karibov, IU.I. - Special tube for X-ray therapy with a grid. p. 63.

Kessel', V.P. - Hemangiomatosis of the bones as a manifestation of disseminated vascular disease. p. 65

Bogoslavskii, A.L. - Case of lesion of several bones in Deutschländer's disease. p. 68.

Mamont, V.S., Shershnev, A.K. - Rare case of multiple gouty arthritis. p. 69.

Smirnova, A.A., Khazov, P.D. - Neurodystrophic calcifications and ossifications. p. 71.

Pavlova, M.V., Silkina, V.G. - X-ray diagnosis of changes in the bones in acute leukemias. p. 72.

Muromskii, IU.A., Kolerova, N.V. - Case of broncho-esophageal fistula following bilobectomy and thoracoplasty. p. 74.

Ivanov, S.S. - Angiographic data on the lower extremities in atherosclerosis. p. 75.

Liubarskii-Zaika, A.I. - Methodology of examining the heart and blood vessels in fluorography. 76.

Nimkovskaia, P.I. - Case of reticulosarcoma of the bones. p. 78.

Rozenfel'd, G.L. - Case of peptic ulcer in diaphragmal hernia. p. 79.

Zhmud', L.B. - Case of congenital anomaly of the urinary tract. p. 80.

Mil'man, N.IA., Kishinovskii, L.L. - [illegible] training physicians in roentgenology for [illegible] trict hospitals. p. 81.

Sirota, I.Z. - Experience in training phys[illegible] roentgenologists in the Stavropol [illegible]

Professor Boris Moiseevna Sosina; on her [illegible] birthday. p. 85.

Grinberg, A.V. - Review of M.I. [illegible]'s book "[illegible] of the lungs." p. 85.

D'iachenko, V.A. - Review of I.G. Lagunova's book "Skeletal tumors." p. 86.

Tager, I.L. - Review of the book "Diagnosis [illegible] ous diseases" [in German]. p. 87.

In memoriam of Mikhail Isaakovich [illegible]

Index of articles on roentgenology and radi[illegible] published in the related clinical periodicals [illegible] 1962

ZDOROV'E [HEALTH]. Issued by Ministerstvo [illegible] okhraneniia SSSR i RSFSR [Ministries of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, [illegible] nos 6(114)-7(115), June-July 1964.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. [illegible] Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. [illegible] no. 4, July-Aug. 1963.

Table of contents translated.

Burlachenko, M.A. - Urgent tasks of tuberculosis con[illegible]trol in the Moldavian S.S.R. p. 3.

Zombol', M.V., Artomenko, B.S. - Experience [illegible] antituberculosis aid in a rural medical district. p. 7.

Fadeev, G.P. - From tuberculosis control [illegible] in a rural medical section. p. 9.

Mil'man, Sh.I., Klang, M.L. - Ways of reducing [illegible] morbidity and mortality. From experience of the Kopan' rural medical section of Tiraspol' [illegible] p. 10.

Smirnov, G.A. - Practical aspects in the prevention of inactivation of isoniazid preparations. p. 15.

Sigal, L.D. - Experience in the chemoprophylaxis of tuberculosis. p. 17.

TSybuliak, S.N. - Characteristics of chronic [illegible] sis. p. 22.

Rozenblat, S.A. - Characteristics and dynamics of chronic disseminated pulmonary tuberculosis. p. 27.

Shlader, A.L., Edel'man, M.A., Muchnik, Z.[illegible] - Use of porolon sponge in the surgical treatment of pulmonary tuberculosis. p. 30.

Bushmin, F.I. - Pathomorphology of the blood vessels of the heart and myocardium in pulmonary tuberculosis. p. 34.

Bronshtein, Kh.I., Fuks, M.IA. - Association of chronic diseases of the respiratory organs with gastric and duodenal ulcer. p. 36.

Negrosku, V.IA. - Treatment of the sequelae [illegible] myelitis at the Moldavian health resort "[illegible]" p. 43.

Cholak, E.M. - Effect of levomycetin and [illegible] on the course of experimental cholecystitis. p. [illegible]

Burkalov, A.P. - Observation on bone marrow [illegible] transplantation in experimental radiation sickness in dogs. p. 53.

Mikhlin, V.M. - Characteristics of the reaction to the introduction of gas into the cerebrospinal fluid passages in catatonia. p. 57.

Kaushanskii, M.Z., Meerzon, M.F. - Post[illegible] pseudocavern in a child considered as a [illegible] pneumothorax and tuberculous cavern. p. 61.

Fishov, L.M., Grossman, E.P., Kaushanskii, M.[illegible] - Differential diagnosis of idiopathic esophagectasia and pulmonary tuberculosis. p. 63.

ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN]. Issued by Ministerstvo zdravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S.S.R.]. Alma-Ata, no. 9, [illegible]
(DNLM)

ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 8, no. 5, May 1964.

Table of contents translated:

Krakovskii, N.I. - Means of developing children's surgery. p. 3.

Bolitskaia, E.IA. - Social and biological regularities related to the health of man. p. 4.

Stogova, V.T. - Determination of the incidence of disease and the temporary loss of the working capacity by means of computing technique. p. 8.

Bazhanova, Z.V., Kalacheva, L.L. - Method of studying the causes and the economic sequelae of the incidence of disease and the temporary loss of the working capacity. p. 11.

Mel'nikova, Z.M. - Incidence of disease and the temporary loss of the working capacity of women employed in foundries of machine manufacturing plants. p. 16.

Korniushkina, O.G. - Incidence of disease in elderly persons (60 years and older) and the temporary loss of their working capacity. p.19.

Edel'shtein, B.IA. - Brief hospitalization. p.21.

Kliachkina, L.T. - Results of dispensary observation of patients with diabetes mellitus in polyclinics. p.23.

Ovcharov, V.K. - Methodological problems as to the study of the incidence of disease among the population of European countries. p.26.

Mokhnenko, A.P. - Teaching sanitary statistics in the Leningrad Sanitary Hygienic Medical Institute. p.32.

Emel'ianova, G.F., Barilenko, V.P. - Teaching of the organization of public health service. p.35.

Izhitsa, N.A. - Method of determining the standards of the requirements in therapeutic and prophylactic services by the rural population. p.37.

Freidlin, S.IA. - Review of G.A.Popov's book "Medical personnel and plans for their training." p.43.

Petrov, B.D. - Review of M.A.IAzvin's book "From the recent past." p.44.

Laptenkov, K.T., Grigor'ev, F.G. - Work of the Kanash District House for Sanitary Education. p.45.

Pavel Efimovich Zabludovskii; on his 70th birthday. p.47.

ZDRAVOOKHRANENIE TADZHIKISTANA [HEALTH SERVICE OF TAJIKISTAN] Issued by Ministerstvo zdravookhraneniia Tadzhikskoi SSR [Ministry of Health of the Tajik S.S.R.]. Dushanbe, vol 11, no.3(59), 1964.

ZDRAVOOKHRANENIE TURKMENISTANA [HEALTH SERVICE OF TURKMENISTAN] Organ of Ministerstvo zdravookhraneniia TSSR [Ministry of Health of the Turkmen S.S.R.]. Ashkhabad, vol.8, nos 2(50), 5(53)-6(54), Feb , May-June 1964.

c. NEUROLOGY & PSYCHIATRY

ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoiuznoe obshchestvo nevropatologov i psikhiatrov [All-Union Society of Neuropathologists and Psychiatrists], Moscow, vol.63., no.7, 1963.

Table of contents translated:

Futer, D.S. - Basic aspects in the study of muscular dystrophies (myopathies). p.953.

Gorbacheva, F.E. - Aldolase activity in a myopathy in children. p.958.

Grinio, L.P. - Studies on serum enzymes in children with progressive muscular dystrophy. p.961.

Lepukal'n, A.I. - Use of electrophysiological methods in the differential diagnosis of progressive muscular atrophies in children. p.967.

Edel'shstein, E.A., Sergeichuk, E.V. - Clinical and therapeutic aspects of progressive muscular dystrophies in children. p.974.

Mel'nikov, S.A., Ronkin, M.A. - Dynamic study of the clinical aspects and biochemical activity of the brain in acute and late periods of closed cranial trauma in children. p.979.

Potanina, M.N., Khokhlova, V.V. - Clinicomorphological comparisons in medulloblastomas of the posterior cranial fossa in children. p.986.

Shashurina, V.N. - Use of metamysin in cerebral palsy with hyperkinetic syndrome in children. p.991.

Lindenbaum, A.L. - Effect of aminazine and parsidol on the coordination of movements in cerebral palsy in children. p.995.

Sheidina, R.B., Trubacheva, L.P. - Thermoregulation disorders in organic diseases of the nervous system in children. p.1000.

Gaevskii, E.V. - Multiple pneumography in children with poliomyelitis and similar diseases. p.1004.

Kleif, A.D. - Acrocephalosyndactylia (Apert's disease). p.1009.

Gitula, I.O., Stal'nenko, E.S. - Characteristics of the nervous system in newborn infants under normal and pathological conditions. p.1012.

Test, R.I. - Standards for the latent phase of tendon reflexes in healthy children from various age groups; electrophysiological data. p.1018.

Aleksaniants, R.A. - Studies on indole substances in children and adolescents with schizophrenia and other psychoses. Report No.2. p.1022.

Zhezlova, L.IA. - Some clinical characteristics of the initial stages of schizophrenia in children of the preschool age. p.1029.

Sosiukalo, O.D. - Concerning pfropf-schizophrenia; based on data of a pediatric clinic. p.1035.

Bashina, V.M. - Working capacity and social adaptation of patients acquiring schizophrenia in their childhood or adolescence; catamnestic data. p.1041.

Mnukhin, S.S. - Association of schizoid and epileptic symptoms in children. p.1047.

Davidenkova, E.F., and others. - Role of maternal pathology in Down's disease. p.1052.

Godinova, A.M - Electroencephalographic changes in Down's syndrome. p.1058.

Koroeva, Z.F. - Mental disorders in children with chorea. p.1065.

Kalinina, L.M. - Clinical aspects of tuberous sclerosis in children. p.1067.

Kirichenko, E.I. - Some emotional characteristics of children with cerebral palsy. p.1072.

Sirovskaia, R.A. - Psychopathological characteristics of Laurence-Bardet-Biedl syndrome. p.1078.

Bliumina, M.G., Gingol'd, A.I. - One of the forms of dysostotic oligophrenia. p.1085.

Străchinaru, I. - Effectiveness of psychoeducational influences of oligophrenic children during their treatment with glutamic acid and caffeine. p.1089.

Bondarev, V.N. - Neural and mental disorders in children during corticosteroid treatment. p.1094

IUsevich, L.S. - Some stages of development of the teaching on oligophrenia. p.1097.

Vrono, M.S., and others. - Schizophrenia in children, review of recent foreign monographic literature. p.1102.

Shefer, D.G. - Review of V.V.Mikheev's book "Textbook of neural diseases for students of medical institutes". p.1107.

Mikhailov, A.K. - "Epilepsy in children and adolescents" by T.P.Simson and others. p.1108.

Problem of neuroinfections in children at the First Congress of Neuropathologists and Psychiatrists of the R.S.F.S.R. (October 1962). p.1110.

Futer, D.O. - Review of the book "Kernicterus and its significance in cerebral palsy. Conference of the American Academy for Cerebral Palsy" [in English]. p.1112.

Lapides, M.I., Brono, M.S. - Progress of the psychoneurological aid for children and adolescents in the U.S.S.R. p.1114.

V.A.Baronov. p.1116.

Boris Nikitich Man'kovskii; an obituary. p.1117.

Vol.64, no.5, 1964.

Table of contents translated:

Lunev, D.K., Maksudov, G.A., Nikolaeva, I.F. - Memory disturbances in cerebrovascular disorders of the vertebro-basilar system. p.641.

Pulatov, A.M. - Role of otoneurological tests in the diagnosis of cerebrovascular disorders with clinical symptoms of tumor syndromes. p.647.

Konovalov, A.N., Sokolova, A.A., Filler, T.O. - Characteristics of electroencephalography in hemorrhages from arteriovenous aneurysms. p.654.

Stepanov, K.N. - Case of thrombosis of a choroid plexus aneurysm of the third ventricle complicated by acute hydrocephalus. p.661.

Mchedlishvili, G.I. - Functional stenosis of the regional arterial system of the brain (internal carotid and vertebral arteries) as a cause of cerebrovascular disorders, experimental studies. p.663.

Nikonova, O.S., Stepanova, E.A. - Cerebrovascular disorders in myocardial infarct; autopsy data. p.667.

TSerefman, A.G. - Depressed knee reflexes in acute myocardial infarct. p.670.

Al'perin, P.M., and others. - Blood coagulation system and the use of anticoagulants in cerebrovascular disorders. p.675.

Sirakov, A., Mozan, I. - Method for coding and processing data of clinical electroencephalography. p.680.

Dybnov, B.L. - Pneumospondylography in the diagnosis of posterior protrusion and prolapse of lumbar intervertebral disks. p.686.

Belaia, N.A., Sorokina, E.I. - Comparative studies on clinical and electromyographic indices in cervico-thoracic radiculitis and ganglionitis. p.690.

Esperov, B.N. - Clinical aspects and results of surgical treatment in intervertebral disk hernia. p.694.

Shogam, I.I. - Nature of sensory disorders in lesions of the autonomic nervous system. p.701.

Buletsa, B.A. - Dynamics of facial nerve lesions in the early period following cerebrovascular disorders; clinical and electromyographic study. p.707.

Ass, IA.K. - Limited spinal epiduritis as a cause of lumbosacral radiculitis. p.712.

Manovich, Z.Kh. - Studies on the rate of spreading of neural excitation in some diseases of the nervous system. p.718.

Korolev, V.V. - Clinical dynamics of neurasthenia. p.723.

Kulev, I.L. - Clinical dynamics of the so-called organic psychopathies; catamnestic data. p.730.

Bakhur, V.T. - Hypophysical and adrenal system in neurasthenias and hysterias. p.735.

Miager, V.K., Goshev, A.I. - Correlation of adrenergic and cholinergic substances in some neurotic symptoms. p.742.

Leibovich, F.A., Shumskii, N.G. - Clinical and electroencephalographic studies on aged patients with cyclic depression. p.746.

Balaba, T.IA., Steimatskii, A.R. - Role of the sialic acid test in the diagnosis of rheumatism in mental patients. p.755.

Kuznetsov, M.T. - Psychopathology of cerebral cysticercosis. p.760.

Levit, V.G., Morozova, T.N., Popova, A.N. - Use of indopan in clinical psychiatry. p.768.

Mekhedova, A.IA. - Effect of pyridrol on the conditioned reflex activity in dogs. p.771.

Rokhlin, L.L. - S.S.Korsakov and the problem on consciousness. p.778.

Shternberg, E.IA. - Perspectives of contemporary foreign psychiatry. p.783.

Zhugzhdo, S. - Review of Ivan Temkov's book "Carbon monoxide intoxication of the nervous system." p.796.

Akhutin, S. - Index of books on neuropathology, psychiatry and related disciplines received by the State Central Scientific Medical Library in February, 1964. p.797.

Ernst Kretschmer; an obituary. p.798.

Information. p.799.

*ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.13, no.6, Nov.-Dec. 1963.

Table of contents translated:

Agadzhanian, N.A., and others. - Changes in higher nervous activity and some autonomic reactions in a long stay in conditions of relative adynamia and isolation. p.953.

Raeva, S.N. - Local changes in the human EEG in response to tactile stimulation in association with sound. p.963.

Ivanova, M.P. - Changes in the electrical activity in various sections of the cerebral cortex during the performance of muscular work. p.972.

Zakliakova, V.N. - Functional roles of the auditory and motor analysors in the development of a generalization in the first and second signal systems. p.980.

Cytawa, E., Stonzka, Wl. - Chronaximetric analysis of cases of difficult formation of motor conditioned reflexes in man. p.987.

Kostandov, E.A. - Role of disorders in corticofugal influences in pathology of the orientating reflex in schizophrenia patients. p.995.

Znamenskaia, A.N. - Role of certain analysors in the development of a conditioned shifting in the first and second signal systems. p.1010.

Kostiuk, P.G. - Contemporary achievements in the electrophysiology of the nerve cell. p.1018.

Bolotina, O.P., Pavlov, B.V., Zemlianaia, A.F. - Trace conditioned reflexes in lower monkeys. p.1032.

Gavrilova, L.N. - Conditioned inhibition in dogs with a unilaterally removed thalamus. p.1039.

Lapina, I.A. - Correlation of lacrimal and salivary secretions during the development of conditioned reflexes from different receptor zones. p.1047.

Maliukova, I.V. - Effect of removal of the neocerebellum on situational conditioned reflexes in dogs. p.1052.

Grigor'ian, R.A. - Electrical activity of the cerebral cortex after total removal of the cerebellum in cats. p.1059.

Voronina, M.L., Tushmalova, N.A. - Effect of 5-hydrocytryptophan (serotonin precursor) on food-procuring conditioned reflexes in rabbits. p.1071.

Krushinskaia, N.L. - Changes in motor food conditioned reflexes in pigeons following lesion of the paleocortex. p.1077.

Bianki, V.L. - Asymmetry in electrical reactions of the frog brain in response to differently located light sources. p.1087.

Maliugina, L.L., Mironova, A.I., Fedorov, V.K., Shabad, L.M. - Significance of typological characteristics of higher nervous activity in the genesis of tumors caused by cancerogenic substances. p.1097.

Osepian, V.A. - Methodology of recording conditioned blinking reflexes in young children. p.1101.

Mil'shtein, G.I., Panov, S.V. - Simplified model of an automatic device for the study of motor defensive conditioned reflexes. p.1105.

Smetankin, G.N. - Third Volga Valley Conference of Physiologists, Biochemists and Pharmacologists. p.1108.

Chistovich, A.S. - Review of Christian Astrup's book "Schizophrenia: Conditional reflex studies" [in English]. p.1111.

Shilinis, IU.A., Rabinovich, R.S. - Review of Mary A.B.Brazier's book "A history of the electrical activity of the brain" [in English]. p.1116.

Alphabetical index. p.1119.

Subject index. p.1125.

ARKHIV PATOLOGII [ARCHIVES OF PATHOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 25, no. 10, 1963.

Table of contents translated

Kodolova, I.M. - Classifications of chronic nonspecific pulmonary diseases. p. 3.
Dmitrieva, N.P. - The close topographic contacts of the membranous structures in the tumor cell; an electron microscopic study. p. 16.
Gol'tsman, L.L. - The giant cells of tumors. p. 24.
IAblonovskaia, L.IA., Avtsyn, A.P. - Malignant glioma in rabbits induced by methylcholanthrene. p. 28.
Shtein, R.D., Likhachev, IU.P. - Endotheliomatosis as a systemic tumorous lesion. p. 35.
Gordeladze, T.D., Adzhigitov, F.I. - Study on the carcinogenic activity of polyoma virus in rats, preliminary analysis of morphological changes. p. 40.
Mitrofanov, V.M. - Histogenesis of pulmonary adenomatosis in sheep. p. 46.
Aruin, L.I - Ira Thompson van Gieson; on the 50th anniversary of his death. p. 51.
Faln, N.G. - Method of impregnating microglia in celloidin sections. p. 52.
Gordeladze, A.S. - Method for staining lipids with phenol-acetic Sudan III. p. 54.
Turusov, V.S. - "The American journal of pathology," vol. 41, nos. 1-2, 1961. p. 55.
Mironchik, I.N. - A.M.A. archives of pathology," vol. 72, nos. 5-6, 1961. p. 59.
Vikhert, A.M. - The journal of pathology and bacteriology," vol. 82, no. 2, 1961. p. 63.
Shtern, R.D. - "Virchows Archiv für pathologische Anatomie and Physiologie und für klinische Medizin," vol. 336, no 1, 1962 p. 68.
Shtern, R.D. - "Annales d'anatomie pathologique," vol. 7, no. 2, 1962. p. 70.
Kraevskii, N.A., Sapozhnikova, M.A. - Work of the Moscow Society of Pathoanatomists from September through December 1962. p. 71.
Anestiadi, V.Kh., IAkovleva, I.A. - Work of the Moldavian Republic Scientific Society of Pathoanatomists during 1961-1962. p. 76.
Strukov, A.I. - Visiting the United States. p. 77.
Vladimir Gerasimovich Molotkov; on his 60th birthday. p. 82.
Aleksandrova Mikhailovna Vakhurkina; on her 70th birthday. p. 83.
Subject index of articles published in the journal "Arkhiv patologii" during 1935-1961. p. 84.
(DNLM)

LABORATORNOE DELO [LABORATORY WORK]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 6, 1964.

Table of contents translated:

Zeman, E.F., Stolpa, K.F. - Prema apparatus for medical and sanitary laboratories. p. 323.
IUrkov, IU.A., Larskii, E.G. - Methodology of determining glycoproteins for clinical and diagnosis purposes. p. 330.
Mikhalev, I.D. - Diagnostic significance of protein sedimentation reactions of the blood in rheumatic fever and chronic septic endocarditis. p. 333
Koslakov, K.S. - Photometric determination of proteins in the cerebrospinal fluid. p. 337.
Merentsev, A.V. - Dependence of the kinetics of saponin hemolysis of the erythrocytes from the temperature of the specimen under examination. p. 339.
Vyshevskii, A.Sh. - Micromethod for determining the fibrinolytic activity of the blood. p. 340.
Babaskin, P.M. - Determination of blood sugar by the photoelectrocolorimeter with an anthrone reagent. p. 343.
Alimova, M.M. - Micromethod for determining inorganic phosphorus and alkaline phosphatase in blood serum and inorganic phosphorus in the urine. p 346.
Uzbekov, G.A., Uzbekov, M.G. - Highly sensitive micromethod for photometric determination of phosphorus. p. 349.
Chernomordik, A.B. - Some remarks about the articles by A.K. Shevchenko, G.A. Stychinskii and coauthors. p. 352.
Cherkes, F.K., and others. - Effect of levomycetin on the inoculation of dysentery cultures. p. 354.
Mel'nikov, V.D. - Use of Ploskirev's medium with rivanol in bacteriological diagnosis of dysentery. p. 356.
Zinin-Bermes, N.N. - Specific O-antigens in spontaneously agglutinable Salmonella. p. 357.
Kriuchkova, N.I., Kuznetsova, O.K. - Methodology of examination for pathogenic Escherichia coli. p. 359.
Shneerson, F S., Rozankova, R.I., Kartozhinskaia, N.I. - Accelerated laboratory diagnosis of dysentery in mass examinations. p. 360.
Vainberg, E.G. - Method of growing and coagulation for the detection of enteric bacteria in the water p. 361.
Starovoitova, T.V. - Comparative study of the methods for indicating the pathogenic enteric microbes in the water. p. 363.
Garanin, B.A. - Evaluation of Kheifets' medium for rapid detection of Escherichia coli in washings. p. 364
Shneiderman, V.E., Gol'dberg, I.E., Oleinikov, I.S. - Possibility of using a medium with congo red in bacteriological examination of washings. p. 367.
Diachenko, IU.V. - Use of a microanaerostat for the growing of staphylococci under conditions of increased concentration of carbonic acid. p. 369.
Bilich, B.E. - Rheostat hot plate for temperature regulation in water baths p. 370.
Markelov, I.M. - Apparatus for the electrophoresis of tissue proteins in starch and agar blocks. p. 372.
Zhdanova, L.G., Pers, I.F., Selivanov, A.M. - Simplest method for the photorecording of precipitate lines in gel. p. 375.
Volkov, A.N. - Device for the projection of microscopic preparations on the screen through the immersion system of a microscope. p 376.
Kirsanov, G.P - New method for staining flagella and spores p 377.
Pisarenko, V.I., and others. - Remarks to the article "Specificity of the indicatory typhoid fever phage" by V.N. Kuznetsova, Z.S. Ostrovskaia, and T N. Broker. p. 377.
Kaganovskaia, G.N. - Brief news. p. 379.
Khrushcheva, E.A. - Reviews. p. 382.
Bokuniaeva, N.I. - Through the pages of periodicals in 1963. p. 383.

PATOLOGICHESKAIA FIZIOLOGIIA I EKSPERIMENTAL'NAIA TERAPIIA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 7, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Benetato, Gr., and others. - Bio- and histochemical study of nerve fiber proteins (neuraxial) in experimental allergic demyelinating encephalomyelitis. p. 3.
Gushchin, I.S. - Changes in the functional state of some sections of the central nervous system in anaphylactic shock in rats. p. 10.
Rozen, V.B., and others. - Role of cortisone in changes of the reactivity of the body in experimental modeled rheumatism. p. 17.
Snul'gina, N.S. - Research in the field of noninfectious immunity in eye burns p. 21.
Gordienko, A.N, Saakov, B.A., Poliak, A.I. - Mechanism of antibody production by lymphoid tissue. p. 24.
Bagramian, E.R., Grodzenskii, D.E. - Action of X rays and hormones on the penetration of labeled albumin into an inflammatory focus. p. 27.
Golikov, P.P. - Intensity of exudative inflammatory reaction depending on the season. p. 31.
Askarkhodzhaeva, N. - Effect of overheating on the course and results of treatment of experimental streptococcal focal infection in rats. p. 34.
Kolganova, N.S. - Some factors influencing the appearance of ventricular fibrillation during clinical death and resuscitation in acute hemorrhage in dogs. p. 37.
Shevchuk, M.G., Isakova, E.N. - Effect of measured physical stress on the course and restitution of experimental myocardial infarct. p. 42.
Shkhvatsabia, I.K. - Experimental reproduction of cardiac rhythm disorders during action on the central nervous system. p. 45.
Smazhnova, N.A., Gasparian, S.A. - Changes in the sympathico-adrenal system in experimental renal hypertension. p. 50.
Markosian, A.A., Lomazova, Kh.D., Metal'nikova, L.M. - Neurohumoral regulation of the biosynthesis of blood coagulation and anticoagulation factors in the liver. p. 53.
Barkalaia, A.I. - Dynamics of fatty dystrophy of the fetal liver under the effect of tetracycline and the process of its reverse development under experimental conditions. p. 57.
Mikhlin, S.IA., Nesterin, M.F. - Secretory function of the stomach in niacin deficiency induced by β-acetylpyridine administration. p. 61.
Fedorov, N.A., Gorbunova, N.A. - Study of the duration of erythrocyte survival in dogs during acute and chronic loss of blood. p. 65.
Karakchiev, N.I. - Effect of novocaine block of the stellate ganglia on diphosgene-induced pulmonary edema. p. 71.
Davydova, S.A., Shcherbova, E.N. - Use of diazoline in experimental acute radiation sickness. p. 72.
Dagaeva, L.N., Kilinskii, E.L. - Effect of alloxan diabetes on the nature of some changes in the myocardium in experimental theophylline-adrenaline myocarditis; electrocardiographic study. p.
Govallo, V.I. - Homotransplantation of organs and tissues as an immunological problem, a review. p. 74.
Sarkisian, A.A., Khachatrian, S.A. - Second Trar caucasian Conference of Pathophysiologists. p.
Pavlenko, S.M. - Raise the teaching of pathological physiology to a contemporary level. p. 84.
Sukmanskii, O.I. - In memory of V.V. Podvysotskii; on the 50th anniversary of his death. p. 87.
IAkov Gerasimovich Uzhanskii, on his 60th birthday p. 90.
Bibliographical index of articles published in the pe odical "Patologicheskaia fiziologiia i eksperime tal'naia terapiia," vol. 7, 1963. p. 91.

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 53) [JOU NAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)] Issued by Institut nauchnoi informatsii Akademii na SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 13-14, July 1964.

TASHKENT. UZBEKSKII GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KURORTOLOGI I FIZIOTERAPII. Sbornik trudov [UZBEK STATE SCIENTIFIC RESEARCH INSTITUTE OF RESORT THERAPY AND PHYSICAL THERAPY Papers]. Vol. 17, 1962. Voprosy klimatoterapii v Uzbekistan [Problems of climatotherapy in Uzbekistan].

Table of contents translated:

Ketko, M.I., Burkhanov, A.B. - Prospects for the development of climatological health resorts in Uzbekistan. p. 3.
Katsenovich, R.A. - Climatotherapy and climatopro phylaxis in Uzbekistan. p. 9.
Drynkin, A.P. - Prospects for the establishment of health resorts in Bostandyk District. p. 16.
Drynkin, A.P., Lazarenko, G.P. - Climatic conditio in areas of Surkhan-Darya Province, Uzbek S.S. p. 23.
Drynkin, A.P., Lazarenko, G.P. - Prospects for organizing large-scale workers' rest areas near the Uzbekistan reservoirs. p. 32.
Ketko, M.I. - Prospects for the organization of heal resort treatment of kidney diseases in Uzbekista p. 40.
Muminov, IA.K. - Aktash Health Resort. p. 51.
Lazarenko, G.P. - Climatic characteristics of the Aktash Health Resort. p. 54.
Baiburina, R.S. - Climatotherapy in the compound treatment of patients with nonspecific pulmonary diseases. p. 67.
Osovetskaia, TS.M. - Treatment of hypertension an other disorders of the vascular tonus under cond tions of the mountain climate at the Aktash Sanatorium. p. 72.
Akhrarov, A. - Climatotherapy in the compound trea ment of functional diseases of the nervous systen p. 84.
Borodianskaia, IU.N. - Exercise therapy in the com pound treatment of diseases of the respiratory organs at the Aktash Sanatorium. p. 88.
Kirgizbaev, R. - Therapeutic work of the Aktash Climatological Sanatorium during 1955-1959. p.
Cherniavskii, E.A. - Solar radiation and its expedie use in helioaerotherapy. p. 99.
Svarichevskii, V.S., Saidakhmedov, V.A. - Use of solar energy for prophylactic and therapeutic pu poses in Uzbekistan sanatoriums. p. 113.
Surkova, E.D. - Organization of climatotherapy in Uzbekistan sanatoriums. p. 121.
Riakhovskaia, V.P. - Climatotherapy in the compou treatment of patients with a hypotonic syndrome the Lunacharskoye Sanatorium. p. 126.
Ovcharova, F.V. - Health resort and climatological treatment of tuberculosis in the Yalangach Sanatorium (1950-1960). p. 131.
Tolkacheva, T.V. - Use of helioaerotherapy under E.A. Cherniavskii's jalousies in the compound treatment of lesions of the joints in Chartak. p.
Kasymova, S.A. - Heliotherapy for gynecological patients. p. 143.
Fetisova, G.G. - Helioaerotherapy in the compound treatment of obliterating endarteritis. p. 147.
Ibragimov, I.N. - Some data on helioaerotherapy fo eczema and neurodermatitis under E.A. Chernia skii's jalousies. p. 159.
[illegible] - Exercise [illegible]

[illegible] Moscow, Vol. [illegible], no. 10, [illegible]

Table of contents translated:

[illegible] p. [illegible]

Vol. [illegible], no. 2, [illegible]

Table of contents translated:

[illegible] X-ray diagnosis of benign tumors and cysts of the diaphragm, p. 3.

[illegible] Characteristics in the clinical course and diagnosis of lung cancer in elderly patients, p. 8.

[illegible] Separate bronchospirometry in lung cancer patients, p. 14.

[illegible] Acid and alkaline phosphatase activity in the blood serum in cancer and suppurative processes of the lung, p. 21.

[illegible] determination of the operability of stomach cancer, p. [illegible]

[illegible] Acute gastroectasia in [illegible] patients following operation for cancer, p. 31.

[illegible] Function of the stomach in some forms of chronic gastritis, p. [illegible]

[illegible] X-ray examination of the stomach and duodenum in cancer of the pancreas, p. 47.

[illegible], A.M. - Working capacity of patients following radical operations for gastric cancer. p.55.

Zaitsev, G.P., IUkhtin, V.I. - Problems in the surgical treatment of cancer of the large intestine. p.61.

Berezkin, D.P. - Effect of some factors of the local and regional expansion of rectal cancer on its prognosis. p.67.

Kharchenko, M.F., Seits, I.F. - Uridine diphosphate glucose system and glycogen transformation in ascitic tumor cells. p.73.

[illegible], D.D. - Antibodies against the specific antigen of the membrane of tumor cells. p.81.

[illegible], C.I. - Reaction of the epidermis to the primary and secondary effect of 9,10-dimethyl-1,2-benzanthracene on the skin of mice. p.88.

Umanskii, IU.A. - Effect of radio-iodinated globulins in antitumor serum on the development of the ascitic form of the Ehrlich tumor. p.91.

Grech, I.F., Karlinskaia, R.S., Turbina, I.L. - Effect of some pyrimidine derivatives on the metastasis of transplantable SSK rat sarcoma. p.98.

Vinogradova, V.D. - Effect of sex hormones on the mestastasis of the Brown-Pearce tumor. p.105.

Kiseleva, N.S., Sokova, O.I. - Viability of tumor tissue following a 3-year storage under freezing conditions. p.103.

Usova, M.M. - Some problems in the surgery of rectal tumors. p.111.

Pirogov, A.I., Al'bert, A.S. - Association of lung cancer with esophageal leiomyoma. p.115.

Vinner, M.G. Kazak, T.I. - Pulmonary leiomyoma, two cases. p.118.

Milonov, B.V., Rabinovich, E.A. - Minutes of the Scientific Society of Oncologists of the City of Moscow and Moscow Province for the meeting No.83 on April 25, 1963. p.122.

Brekhman, I.I. - Conference on problems of the prevention and treatment of cancer and the search for anticancer substances prepared from Far East raw materials. p.125.

(DNLM)

f PHARMACY & MATERIA MEDICA

APTECHNOE DELO [PHARMACY]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.11, no.6, Nov.-Dec. 1962.

Table of contents translated·

Blagovidova, IU.A. - Some results of the progress of drug compounding technology and further prospects. p.3.

Gammerman, A.F. - Progress in the study of medicinal plants during the last five years. p.9.

Shmaruk, L.G. - Central district drugstore. p.13.

Vaisman, G.A., Gurevich, M.I., Skvirskaia, E.S. - Use of ultrasonics for the preparation of infusions and extracts from alkaloid-containing plant stock. p.17.

Liukshenkov, A.G., Bulenkov, T.I., Logintseva, G.A. - Preparation of coriander water from ethereal oil. p.22.

Poshkurlat, A.P. - Protect medicinal plants. p.23.

Gorovoi, P.G. - Comparative characteristics of qualitative chemical composition of Araliaceae and Umbelliferae plants of the Far East. p.25.

Pulatova, T.P., Khazanovich, R.L. - Alkaloid content of some Lagochilus species and on the nature of lagochiline. p.29.

Kovalenko, V.K., Khaut, G.IA. - Quantitative determination of the ingredients of ointments having a polyethylene oxide base. p.32.

Rubinskaia, V.G., Figurovskii, N.A. - Qualitative determination of medicinal substances in mixtures by the crystalline coating method. p.37.

Pesakhovich, L.V. - Qualitative determination of reserpine. p.42.

Belova, O.I., Ratkevich, G.I. - From the working experience of pharmaceutical industries. Report No.3: Tablet-producing plants. p.48.

Rosentsveig, P.E., Zotikov, IU.M. - New apparatus and devices for drugstore practice. p.52.

Lopatin, P.V. - Aseptic preparation of drugs. p.59.

Petersons, E.J. - Incompatible prescriptions of ointments with perhydrol. p.64.

Kalejs, O.J., Pakalns, D.A. - Use of tropeolin 00 for photocolorimetric determination of belladonna extract in drug mixtures. p.66.

Biriukova, L.N. - Determination of arsenic admixtures in pharmaceutical preparations. Report No.2. p.69.

Bushkova, M.N., Miniovich, I.A. - Conference of readers of the periodical "Aptechnoe delo" in Kiev. p.74.

Rosentsveig, P.E., Ivanov, F.V., Nodel', G.A. - Review of the book 'Encyclopedia for the pharmacist.'' p.76.

Remizova, R.P. - Tables. p.81.

Kucherenko, V.D. - New drugs. p.82.

Aristarkh Evseevich Mshvidobadze; on his 70th birthday. p.85.

Index of articles published in the 11th volume of the periodical "Aptechnoe delo" for 1962. p.87.

Vol.12, no.2, Mar.-Apr. 1963.

Table of contents translated:

Stepanenko, B.N., Blagovidova, IU.A., Belova, O.I. - Current state and prospects of the use of high molecular-weight compounds in pharmacy. p.3.

Bryleva, N.I., Litvinenko, M.N. - Quality control of the production in the system of pharmacy administration. p.15.

Zaichkina, L.I. - Internal control in some large pharmacies. p.18.

Blagovidova, IU.A. - Stability of suspensions of sulfanilamide preparations, preliminary report. p.23.

Bul'varova, Z.I., and others. - Study of the regimen of sterilizing oils, vaseline and lanolin with steam under pressure. p.28.

Zelikson, IU.I., Kondrat'eva, TS. - Comparative evaluation of the antibacterial properties of preservatives used in eye solutions. p.35.

Grinkevich, N.I., Ignat'eva, N.S., Safronich, L.N. - Examination of some representatives of the Compositae family for manganese and carotene content. p.38.

Salo, V.M. - Dynamics of colchicine accumulation in Colchicum speciosum Stev. and Colchicum laetum Stev. in their cultivation in the Moscow region. p.40.

Guseva, L.N. - Nitritometric titration with internal indicators. p.44.

Aliev, A.M. - Preparation and use of a stabilized diazonium salt for the colorimetric determination of vitamin B_1. p.50.

IAvorskii, N.P. - New photocolorimetric method for determining bensacine in drugs. p.56.

Svirkov, A.I. - Automation of the process of sterilization of drugs in the drugstore. p.60.

Nikitina, I.K. - Irrational drug prescriptions encountered in pharmacies in the Gorkiy Province. p.64.

Ogorodnova, O.A., Rozentsveig, P.E. - Search for new emulsifiers for the preparation of emulsions. p.70.

Belilovskii, IA.E. - Mercurimetric titration in pharmacy internal control. p.74.

Sukhlitskaia, IU.M., Belevich, N.A. - Methodology of determining fuchsin in drug mixtures. p.75.

Tashkinova, Z.N. - Complexometric determination of aluminum. p.77.

Kutumova, E.N. - In the Presidium of the Board of the All-Union Scientific Pharmaceutical Society. p.80.

Mel'nichenko, A.K., Aliev, R.K., Murav'ev, I.A. - International Symposium of the Socialistic Countries on the Technology of Pharmacy, Construction and Organization of Pharamecutical Activity. p .83.

Matveenko, G.P., Voloshin, M.E. - Pharmacy in Bulgaria. p.87.

Mirskii, M.B. - Bolshevik press on the strike of drugstore employees in September 1917. p.90.

Senov, P.L. - First edition of a pharmacopeia in Indonesia. p.91.

Reshetnikov, S.A. - Book about 'Complex drugs'' by Ibn-Sina (Avicenna). p.92.

*FARMAKOLOGIIA I TOKSIKOLOGIIA [PHARMACOLOGY AND TOXICOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.26, no.1, Jan.-Feb. 1963.

Table of contents translated:

Selivanova, A.T., Lazuko, N.N. - Effect of some cholinolytic substances following their direct introduction into the brain on conditioned reflex activity in cats. p.3.

Sapegin, D.I. - Effect of prolonged use of cardiac glycosides on higher nervous activity. p.7.

Mashkovskii, M.D., Arutiunian, G.S. - Pharmacology of 5-methoxytryptamine hydrochloride (mexamine). p.10.

Smol'nikova, N.M., Kivman, G.IA. - Relationship between the dose of DL - and D-cycloserine and the effect on the convulsive action of some analeptics. p.17.

Dunaeva, V.F., Ivanenko, E.F. - Change in the amount of sulfhydryl groups and reduced glutathione in the brain of white mice following inhibition of nervous activity induced by barbamil, urethane and medinal. p.22.

Kostygov, N.M. - Pharmacological properties of octatensin (2 1'-Azacyclooctyl)-ethyl guanidine sulfate). p.28.

Grechishkin, L.L. - Effect of some central neurotropic substances on the motor activity of an empty stomach. p.36.

Podlesnaia, A.I. - Curarelike activity of some diphenylethane derivatives. p.40.

Donskaia, L.V., Khaunina, R.A. - Effect of armin and pyrophos on cholinesterase activity in different tissues of white mice. p.45.

Dziak, V.N., Furs, I.T., Bezborod'ko, B.N. - Comparative evaluation of the effect of some preparations from the group of organic nitrates on the cardiovascular system under experimental conditions. p.47.

Komendantova, M.V., Uteshev, B.S. - Methods of eliminating some complications arising during hypotension caused by arfonad; experimental study. p.52.

Chetverikov, G.N. - Effect of strophanthin on the heart following the action of carbohydrate metabolism inhibitors. p.58.

Zaidler, IA.I. - Depressive action of dicoumarin on the heart and the role of oxygen in this effect. p.64.

Lakin, K.M. - Effect of neodicoumarin on the coronary circulation. p.60.

Stanchev, B.D., Takova, TS. - Effect of nivaline on the phagocyte activity of the blood leucocytes. p.71.

Kudrin, A.N., and others. - Vetrazin as a uterine stimulant. p.75.

Chukichev, E.M. - Effect of some nicotinic acid preparations on phagocytosis in irradiated animals. p.80.

Patalova, V.N. - Antinarcotic action of analeptics in radiation sickness. p.84.

Amirov, R.O. - Effect of dibazol on animals in acute oxygen deficiency. p.91.

Porshin, G.N., Moskalenko, N.IU. - Chemotherapeutic effectiveness of monomycin in experimental cutaneous leishmaniasis. p.97.

Chernov, V.A., Grushina, A.A., Lytkina, L.G. - Antineoplastic activity of phosphazine. p.102.

Gladenko, I.N. and others. - Biochemical changes in the blood of rabbits in experimental hexachloran poisoning. p.100.

Komarov, N.M., Balybordin, N.S. - Study of the toxic effect of thermomechanical aerosols of dichlorodiphenyl-trichloroethane (DDT) and hexachlorocyclohexane. p.113.

Reshetiuk, A.L. - Comparative examination of the toxic effect of potassium fluozirconate and sodium fluoride. p.117.

Meizoba, M. - Some problems in the kinetics of primary pharmacological reactions; review. p.121.

FARMATSEVTYCHNYI ZHURNAL [PHARMACEUTICAL JOURNAL]. Issued by Ministerstvo okhorony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.18, no.4, 1963.

Table of contents translated:

Kovalenko, P.I. - State of and measures for further improvement of pharmacy in the Ukrainian S.S.R. p.3.

Turkovych, M.M. - Measures for further improvement of pharmaceutical service for the population of the Ukrainian S.S.R. and tasks in the field of pharmacy. p.11.

Hubs'kyi, I.M. - Work of the Scientific Pharmaceutical Society of the Ukrainian S.S.R. p.19.

Mynka, A.F. - Synthesis and properties of 5-alkyl-substituted derivatives of pseudothiohydantoin and 2,4-thiazolidinedione. p.24.

Georgiievs'kyi, V.P., Dziuba, N.P., Ismailov, M.A. - Quantitative determination of combined medicinal preparations by titration in anydrous solvents. p.27.

Hluzman, M.Kh., Bashura, H.S. - Preparation of a stable suspension of corinal. p.31.

IAvors'kyi, M.P., Fedusiv, M.M. - Photocolorimetric determination of phenol in hormonal preparations. p.34.

Kazarinov, M.O., Dziuba, N.P. - New method for quantitative determination of khellin in anhydrous solvents. p.39.

Sobko, M.IA. - Analysis of ferrocal tablets. p.43.

IAshchenko, D.V. - Photocolorimetric method for quantitative determination of atropine sulfate and belladonna extract in medicinal mixtures. p.46.

Lobanov, V.I. - Group reaction for determining sodium salts of barbiturates. p.51.

Salo, D.P. - Using native bentonites in the preparation of hydrophilic ointment bases. p.55.

Vaisman, H.A., and others. - Using ultrasonic waves in the preparation of infusions from alkaloid- and glucoside-bearing plants. p.61.

Kramarenko, V.P. - Quantitative determination of alkaloids in biological material. p.65.

Hvozdiak, P.I., Kolesnykov, D.H. - Hydrolysis of cardiac glycosides by enzymes of the fungus Aspergillus oryzae. p.70.

Borysov, M.I., Borysiuk, IU.H. - Chemical analysis of the bedstraw Galium ruthenicum. Report No.2. p.75.

Liashenko, S.S. - Anatomical study of the fruit and roots of periwinkle. p.78.

Kyivs'kyi, I.K. - From the work practices of the Pharmacy Administration of the Vinnitsa Province Public Health Department. p.83.

Lukash, O.I. - Pharmacy in Ternopol' Province. p.86.

Liashenko, V.M. - Pay constant attention to local pharmacies. p.88.

New medical remedies. p.92.

Brief news and information. p. 94.

REFERATIVNYI ZHURNAL· FARMAKOLOGIIA. TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 13, July 1964.

g PUBLIC HEALTH & NURSING

FEL'DSHER I AKUSHERKA [FELDSHER AND MIDWIFE]. Issued by Ministerstvo zdravookhraneniia SSSR and Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the U.S.S.R. and the Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 29, nos 6-7, June-July 1964.

h. SURGERY & DENTISTRY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut klinicheskoi i eksperimental'noi khirurgii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Clinical and Experimental Surgery. Transactions] Alma-Ata, vol. 8, 1962.

Table of contents translated:

Syzganov, A.N., Kramchaninov, N.F. - Endemic characteristics of the incidence and distribution of malignant neoplasms in the Kazakh S.S.R. p. 3.
Shestiallynov, F.IA. - Characteristics and distribution of malignant tumors in South Kazakhstan Province. p. 12.
Biber, O.I. - Endemic characteristics of cancer distribution in Karaganda Province. p. 15.
Sundetov, A.Zh., Abakov, I.M. - Experience in the detection of malignant neoplasms. p. 19.
Batorina, A.N. - Population-wide preventive medical examination of the residents of Alma-Ata, November 10 - 25, 1960. p. 21.
Grishin, E.N. - Endemic pathology of esophagus cancer in Aktiubinsk Province. p. 23.
Kolycheva, N.I. - Endemic characteristics of esophagus cancer distribution in Kazakhstan. p. 28.
Adil'gireeva, L.Kh. - Precancer processes in the esophagus. p. 35.
Biriukov, A.M. - Methodology of forming a gastroesophageal anastomosis in resection of the esophagus. p. 38.
Doregokuplia, A.G. - Pathogenesis of experimental tumors of the esophagus. p. 41.
Biber, O.I. - Electrosurgical resection of the stomach. p. 47.
Lomakin, IU.F. - Cancer of the stomach. p. 51.
Babashev, B.S. - Cancer of the lungs in Kazakhstan. p. 56.
Esel'baeva, G.O. - Precancer processes in the respiratory organs. p. 66.
Bekker, A.G. - Cancer of the stomach and esophagus. p. 69.
Kramchaninov, N.F. - Materials for study of the incidence of skin cancer among the population of Kazakhstan. p. 73.
Smirnov, V.A. - Skin cancer in Kazakhstan in the light of endemic pathology. p. 80.
Serov, S.F. - Precancer processes in the thyroid gland. p. 88.
Trunina, A.A. - Goiter of the accessory thyroid glands. p. 91.
Cherkasova, E.D. - Malignant tumors in children. p. 95.
Shakirova, V.P. - Results of radiotherapy in cancer of the esophagus. p. 99.
Lomakin, IU.F. - Comparative morphology of some cancerous tumors and their metastasis. p. 103.
Taukenov, M. - Causes of late diagnosis of tumors of the bladder. p. 107.
Akhundov, I.I. - Pheochromocytoma. p. 109.
Berman, L.M. - Sapozhkov's operation in cancer of the penis. p. 114.
Al'mukhambetova, N.S., Khorsova, N.I. - Balance of vitamin B_{12} in cancerous lesion of the stomach in connection with its resection. p. 118.
Solomina, V.F. - Effect of some supplementary factors on the development of experimental skin cancer. p. 121.
Bulanov, P.A., Isakov, IU.V. - Adsorbed vaccine against Brown-Pearce carcinoma. p. 126.
Fat'kin, IU.N. - Changes in the biological characteristics of transplantable malignant tumors under the effect of snake venom. p. 132.
Fut'kin, IU.N. - Study of the complement activity of blood serum in rabbits with Brown-Pearce carcinoma. p. 136.
Chibunovskii, V.A. - Characteristics of intubation anesthesia in transpleural surgery on cancer of the esophagus and cardia. p. 140.
Kolomitskaia, L.A., Turganbaev, A.T., Chibunovskii, V.A. - Rare case of primary multiple tumors. p. 146.
Bondar', M.D. - Antral gastritis. p. 151.
(DNLM)

KHIRURGIIA [SURGERY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 2, Feb. 1964.

Table of contents translated:

Ivan Gur'evich Rufanov; on his 80th birthday. p. 3.
Rufanov, I.G., Marshak, A.M., Sysoeva, L.A. - Use of levorin, an antifugal antibiotic, in the treatment and prevention of complicated candidiasis in surgical patients. p. 6.
Kuzin, M.I., Chistova, M.A. - Principles of rational antibiotic therapy of some surgical infections. p. 11.
Marshak, A.M., Sysoeva, L.A. - Preventive use of antibiotics in surgery on the stomach. p. 19.
Khristich, A.D. - Resistance of the staphylococcus to antibiotics and characteristics of the course of suppurative infections in children. p. 24.
Batygina, N.I. - Use of antibiotics in the treatment of specific monarthritis of the fingers (chinga). p. 29.
Shtiben, N.V. - Bacteremia in surgical diseases. p. 32.
Voloshchuk, B.M. - Prevention of exogenous infections in surgery. p. 36.
Kal'ter, I.S. - Treatment of acute craniocerebral trauma by intracarotid injections of penicillin. p. 40.
Gel'fenbein, L.S., Cherniagina, T.B. - Antibiotic therapy of suppurating perineal and gluteal wounds following surgery on the rectum. p. 49.
Braitsev, V.IA., Vlasova, E.F., Chervlakova, S.A. - Role of corticosteroid hormones in the pathogenesis and treatment of hematogenous osteomyelitis. p. 51.
Toshchenko, E.G. - Transportation and treatment of a patient with a severe form of tetanus. p. 57.
Petrov, B.A., Gal'perin, E.I. - Choledochotomy in chronic and acute cholecystitis. p. 58.
Struchkov, V.I., Fedorov, B.P. - Errors in acute appendicitis. p. 65.
Molodenkov, M.N. - Pathogenesis and treatment of acute pancreatitis. p. 72.
Atanov, IU.P. - Effect of preliminary introduction of penicillin on the course of experimental appendicitis. Report No. 2. p. 78.
Meshalkin, E.N., Oberfel'd, A.F., Kapuller, L.L. - Use of capron and porolon for the reinforcement of hemostatic sutures in the liver; experimental morphologic study. p. 81.
Fishman, L.G. - Treatment of thrombophlebitis of the deep veins of lower extremities. p. 87.
Kazanskii, V.I., and others. - Causes of fatal outcomes following radical operations for cancer of the upper section of the stomach involving the esophagus. p. 93.
Makarenko, T.P., Sveshnikov, A.I. - Dumping syndrome and preoperative detection of factors predisposing its development following resection of the stomach. p. 98.
Ostroverkhov, G.E., Zheltikov, N.S. - Reconstructive operations of the trachea and bronchi. p. 103.
Zaitsev, G.P. - Prevention of embolism in the pulmonary artery. p. 110.
Dubrov, IA.G., Buachidze, O.Sh., Fedotov, P.D. - Osteoblastoclastoma (giant-cell tumor). p. 113.
Volkov, M.V., Panova, M.I., Imamaliev, A.S. - Tissue preservation and bone homoplasty in clinical practice. p. 121.
Portugalov, S.O., Brodskii, O.S. - Osteosynthesis using one or two metal screws without plates in diaphysial oblique, oblique-spiral and spiral fractures of the tibia. p. 128.
Nikolaev, O.V., Kalinin, A.P., Veinberg, E.G. - Surgical treatment of hyperinsulinism. p. 134.
Zhorov, I.S., Lukin-Butenko, G.A., Mikhel'son, V.A. - Danger of regurgitation in modern anesthesia. p. 141.
Pavlovskii, D.P. - State of the blood coagulation system and the use of anticoagulants in patients with strangulated hernia. p. 145.
Bazhenova, A.P., Kamilov, Kh. - Leiomyoma of the stomach. p. 152.
(DNLM)

ORTOPEDIIA, TRAVMATOLOGIIA I PROTEZIROVANIE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 24, no. 12, Dec. 1963.

Table of contents translated:

Popov, B.P. - Contemporary prosthetics and construction of prostheses. p. 3.
Kapichnikova, L.G. - Orthopedic apparatotherapy in the sequelae of poliomyelitis. p. 9.
TSirkunova, N.A. - Amputation in an unhealing neurogenic ulcer. p. 14.
Kofman, L.S. - Indications for surgery on the fibula in the leg stump. p. 20.
Rozhkov, A.V. - Transastragalar amputation using a medioplantar flap. p. 24.
Ignatov, N. - Our method of surgical treatment in congenital hip dislocation. p. 29.
Evstropov, A.P. - Approach to the knee joint in the excision of a torn meniscus. p. 33.
Topalov, P.D. - Etiology, pathogenesis and clinical aspects of Dupuytren's contracture. p. 36.
Suleimanov, I. - Restoration of the knee joint bursa following experimental synovectomy. p. 41.
Kruk, Z.V., and others. - Data on orthopedic traumatic diseases in the rural population of Transcarpathian Province. p. 48.
Keir, A.N. - Elongation of a short shoulder stump. p. 53.
Liandres, Z.A. - Screens and beds from vinyl plastics in the treatment of scoliosis in children. p. 55.
Sokolovich, G.E. - Case of partial wedge-shaped osteochondropathy of the humerus. p. 57.
Imamaliev, A.S. - Case of patholodical reconstruction of the femoral neck. p. 57.
Koval', D.E., Kutsenok, IA.B. - Precise measurement of the cervicodiaphysial angle, the angle of deviation and the "dihedral angle of deviation" of the femoral neck. p. 60.
Khaletskaia, N.S. - From the history of the development of traumatological and orthopedic service in Vladimir Province. p. 75.
Firer, S.L. - Review of I.L. Klioner's book "Senile and degenerative changes in the joints and spine." p. 80.
Bazilevskaia, Z.V. - Congress of Polish orthopedists and traumotologists. p. 83.
Index of articles published in the periodical "Ortopediia, travmatologiia i protzirovanie" in 1963. p. 85.
Alphabetical index of names. p. 93.
(DNLM)

VESTNIK KHIRURGII [REVIEW OF SURGERY]. Issued by Khirurgicheskoe obshchestvo Pirogova [Pirogov Surgical Society]. Leningrad, vol. 91, no. 10, Oct. 1963.

Table of contents translated·

Smirnov, E.V., Popov, S.D. - Continuous suction of the contents through a duodenal catheter in surgery of the biliary tract. p. 3.
Porembskii, O.B. - Some complications and hazards in the transduodenal papillectomy. p. 8.
Sitenko, V.M., Konstantinova, L.E. - Large cystic duct stump and its significance in the occurrence of the so-called postcholecystectomy syndrome. p. 12.
Bregadze, I.L., Ivanov, N.A. - Surgical treatment of external biliary fistulas. p. 18
Orel, S.G. - Spontaneous internal biliary fistulas. p. 22.
Bel'skii, A.V. - Primary inflammatory and cicatricial narrowing of the hepatocystic duct. p. 30.
Pollak, M.S. - Rational use of antibiotics in the treatment of inflammatory diseases of the bile ducts. p. 35.
Merina-Gluskina, V.M. - Surgical treatment of acute pancreatitis. p 39.
Napalkov, P.N. - Surgery in chronic duodenal stasis. p. 43.
Volkova, L.P., Dobychina, L.I. - Duodenal stasis in chronic pancreatitis. p 49.
Timofeev, N.S., Ivanova, E.V., Pletnova, V.A. - Acute intestinal obstruction following appendectomy and its treatment. p. 57.
Chulanov, B.I. - Inflammatory "tumors" following appendectomy. p. 61.
Gataullin, N.G. - Surgical tactics in adhesive intestinal obstruction. p 65.
Sharova, L.A. - Late results of diagnostic gastrotomy in X-ray pictures. p. 70.
Propastin, G.N. - Effect of gymnastic exercises on the motor function of the stomach in peptic ulcer patients. p. 74.
Makarenko, T.P., Kabakov, A.I., Rasstrigin, N.N. - Changes in the acid-base equilibrium in current forms of anesthesia. p. 78.
Popov, V.I., Murtazaev, N.D. - Basis of the methodology of the sacrospinal block. p. 84.
Sokolov, V.I. - Selection of the form of anesthesia in traumatology. p. 92.
Khristich, A.D., Gorgiev, T.B. - Autovaccines in the treatment of septic conditions in children. p. 96.
Zherebitskii, IU.B. - Acute phlegmonous cholecystitis in an 11-year-old boy. p. 99.
Aliev, Sh.A. - Resection of the stomach for hemorrhagic ulcer in a 14-year-old boy. p. 100.
Orlov, A.N. - Perforated and duodenal ulcers in children. p. 101.
Kudriavtsev, Z.P. - Perforation of the cecum in a newborn infant. p. 102.
Trukhachev, M.I. - Duodenal stenosis in newborn children. p. 102.
Kladovshchikova-Klebanovich, V.I. - Strangulation of a paraduodenal hernia in a 6-year-old girl. p. 104.
Kuznetsov, N.N., Pechatnikova, E.A. - Functional state of the liver in patients following radical surgery on the stomach. p. 105.
Senchillo-IAverbaum, Z.T. - Surgical treatment of pancreatitis. p. 107.

[illegible], M. A. - Liver injuries complicated by [illegible]. p. 10[illegible]
[illegible], M. A. - [illegible] of two thirds of the liver [illegible] injury. p. 110
[illegible], I. A. - [illegible] of the gallbladder, [illegible] liver, and the small and large intestines [illegible]. p. 112
[illegible], O. F. - Choledochoduodenal fistulas. p. 113.
[illegible], V. A., [illegible], A. B. - Subcutaneous [illegible] in alveolar echinococcosis of the liver. p. 115
[illegible], P. A. - [illegible] biliary peritonitis. p. 113
[illegible], G. I. - Treatment of purulent diseases of [illegible], intraosseous introduction of [illegible]. p. 117
[illegible], P. M., Sarkisov, M. A., Smolinskii, [illegible] - [illegible] introduction of drugs in first aid [illegible]. p. 119
[illegible], M. Z., [illegible], V. M. - Treatment of severe [illegible] by the continuous use of nitrous [illegible]. p. 120
[illegible], G. A. - Treatment of elephantiasis in wuchereriasis. p. 121.
[illegible]skii, [illegible] - Elephantiasis of the lower extremities with retrograde flow of the chylous fluid. p. 122
[illegible], M. I. - Surgical treatment of nonspecific ulcerative colitis. p. 125
[illegible], IU. S. - Error in the diagnosis of broncocutaneous fistula. p. 234
[illegible], V. S. - All-Union symposium on the use of muscle relaxants. p. 135.
Milashkin, A. G., [illegible], R. Z. - The 14th Scientific Session of the A. V. Vishnevskii Surgical Institute of the Academy of Medical Sciences of the U.S.S.R. p. 136
Kalushev, F. Kh. - Minutes of meetings Nos. 1316, 1317 and 1318 of the Pirogov Surgical Society. p. 141.
Mikhailovich, V. A. - Minutes of meetings Nos. 61 and 62 of the Anesthesiological Section of the Pirogov Surgical Society. p. 156.
(DNLM)

15. AGRICULTURE

a. GENERAL

AGROBIOLOGIIA [AGROBIOLOGY]. Issued by Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina [All-Union Lenin Academy of Agricultural Sciences]. Moscow, no. 3(147), May-June 1964.

Table of contents translated:

Popov, I. S. - Chemicalization of animal husbandry. p. 323.
Commoner, B. - Can DNA be considered as a self-reproducing molecule? p. 339.
Kanash, S. S. - Controlled transformation of heredity in cotton. p. 352.
Butkova, V. IA. - Cotton breeding at the Andizhan Province Agricultural Experiment Station. p. 358.
Sadykov, S. S. - Promoting the ripening and yields of cotton by the method of controlled loosening and forming of heredity. p. 364.
Pudovkina, Z. M. - Nature of the development of cotton varieties and hybrids under various light conditions. p. 369.
Abdullaev, A. - Resistance to wilt of some cotton forms and varieties. p. 374.
Kratirov, O. V. - Changes in the characters of cotton hybrids under the effect of conditioning and the selection of seedlings at lower temperatures. p. 379.
Ter-Avanesian, D. V. - Significance of foreign pollen in cotton hybridization. p. 386.
Gurevich, L. I. - Importance of the contents of additional pollen tubes and cells of the growing tissues in the formation of cotton hybrids. p. 394.
Rzaev, M. M. - Some methodical problems in the practical selection of cotton. p. 399.
Kulebiaev, V. G. - Changing the appearance of the cotton bush of the Gossypium Barbadense L. type. p. 404.
Demidenko, B. G. - Work results on the hybridization of sorgo. p. 409
Dranenko, I. A. - Breeding and seed production of sorgo in the southern steppe of the Ukraine. p. 419.
Malinovskii, B. N. - First sorgo hybrids developed at the Kuban Experiment Station. p. 426.
Gavrisheva, I. F. - Dynamics of the accumulation of starch in the shoots and roots of an apple tree as related to the winter hardiness and grafting compatibility in Transbaikalia. p. 432.
Shidenko, I. Kh. - Pear breeding in the Ukraine. p. 437.
Rubin, B. A., Ladygina, M. E. - Mechanisms of the action of the toxin Botrytis cinerea. p. 443.
Maidannik, A. S. - Some form development processes in winter barley transformed from spring barley. p. 456.
Khozinskaia, A. G. - Effect of the transfusion of hemolymph on the transmission of characters and properties in the mulberry silkworm. p. 457.
Zalkovskaia, N. E. - Amitotic cell division in sugar beets. p. 459.
Shimanskii, N. K. - Developing the wintering forms of oilseed flax by means of controlled conditioning. p. 461.
Korac, M., Gaic, M. R. - Accretion of roots in some tree species. p. 464.
Bean, Ross. - Photosynthesis in green fruits. p. 466.
Lebedev, M. - In the old manner. p. 467.
Cruickshank, I. A. M. - Resistance of plants to diseases. p. 470.
Neiman, N. F., Sorkina-Finkel', L. I. - From the pages of foreign biological and agricultural publications. p. 476.
Books sent to the editor for comment. p. 477.

GORKI. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol. 11, no. 1, 1961. Kafedra "Traktory i avtomobili" [The Department of Tractors and Motor Vehicles].

Table of contents translated:

Mikhailovskii, E. V. - Introduction. p. 3.
Serebriakov, K. B., Bobkov, IU. K. - Effect of the change in the resistance of the inlet conduit on the capacity and efficiency of engines. p. 5.
Serebriakov, K. B., Bobkov, IU. K. - Effect of the clearance in the mechanism of gas distribution on the basic indices of an engine. p. 9.
Gurvich, I. B. - Rational microgeometry of the parts of motor vehicle engines. p. 11.
Gurvich, I. B., Egorova, A. P. - Burning out of pistons and valves in motor vehicle engines. p. 36.
Gurvich, I. B., Mikhailovskii, E. V. - Graphic analytical determination of optimal relations between the characteristics of the engine and the traction resistance of the motion of motor vehicles as a means of estimating the possible increase of fuel economy for motor vehicles with progressive transmissions. p. 40.
Mikhailovskii, E. V. - Present state of aerodynamic studies of automobiles. p. 45
Safonov, G. - Crankcase ventilation of carburator engines of motor vehicles and its effect on the consumption of oil. p. 81.
Serebriakov, K. B. - Effect of individual parameters of the gas distribution mechanism on the noise characteristics of the M-20 and GAZ-69 engines. p. 84.
(DNAL)

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE]. Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, no. 7, 1964

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 7, 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO AZERBAIDZHANA [COLLECTIVE AND STATE FARM PRODUCTION OF AZERBAIJAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Azerbaidzhanskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Azerbaijan S.S.R.]. Baku, no. 6, June 1964 [In Azerbaijani]

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO KIRGIZII [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Kirgizskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Kirghiz S.S.R.]. Frunze, vol. 10, nos. 6-7, June-July 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDAVII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Moldavskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Moldavian S.S.R.]. Kishinev, vol. 9, nos. 6-7, June-July 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol. 18, no. 7, July 1964.

KOLKHOZNO-SO[illegible] KISTANA [CO[illegible] DUCTION OF [illegible] stvo proizvods[illegible] nykh produkto[illegible] duction and Procurement of Agricultural Products of the Uzbek S.S.R.]. Tashkent, vol. 25, no. 6, June 1964.

KREST'IANKA [THE PEASANT WOMAN]. Published by Izd-vo [Publishing House] "Pravda." Moscow, vol. 42, nos. 6-7, June-July 1964.

MEKHANIZATSIIA SIL'S'KOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Ukrains'ke respublikans'ke ob''iednannia "Ukrsil'hosptekhnika" [Ukrainian Republic Association "Ukrsil'hosptekhnika" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 15, nos. 6(174)-7(175), June-July 1964.

MEZHDUNARODNYI SEL'SKOKHOZIAISTVENNYI ZHURNAL [INTERNATIONAL AGRICULTURAL JOURNAL]. Issued by Postoiannaia komissiia Soveta ekonomicheskoi vzaimopomoshchi po ekonomicheskomu i nauchno-tekhnicheskomu sotrudnichestvu v oblasti sel'skogo khoziaistva [Permanent Committee of the Council for Mutual Economic Assistance on Economic, Scientific and Technical Cooperation in Agriculture]. Sofia-Moscow, vol. 8, no. 3, 1964.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA. Izvestiia [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Bulletin]. No. 5(54), 1963.

Table of contents translated:

Dudin, M. S., Volodarskii, A. D. - Effect of the physiologically active substance of Ustilago zeae (Beckm.) Unger on higher plants. p. 7.
Siniukhin, A. M. - Bioelectric potentials of a plant cell. p. 20
Krastina, E. E. - Effect of temperature on the photoperiodic reaction of mustard, spring wheat, and oats. p. 37
Mozhaeva, L. V., Khuan Mu-iui [Huang Mu-yü], TSareva, L. A. - Effect of heteroauxin on the excretion of sap by sunflower roots. p. 47
Khrzhanovskii, V. G., Sokolova-Domanskaia, N. P. Morphology of the roots of apple trees bearing deformed (affected by rosette disease or small-leaved) shoots. p. 50.
Novoselov, S. V. - Drying pulse crop seeds by the method of mechanical ventilation with heated air. p. 60
Gataullina, G. G. - Some characteristics of the biology and cultivation practices of Lupinus albus and L. mutabilis in Tambov Province. p. 74.
Ebetullaev, A. A., Kuznetsov, M. D. - Chemical defoliation of apple seedlings in nurseries. p. [illegible]
Pleshkov, B. P., Savickaite, E. M., Jasaitis, A. - Correlation among free amino acids in the grain and the straw of soft wheat. p. 100
IUdintseva, E. V., Levina, E. M. - Effect of calcium, potassium, and sodium compounds on the accumulation of strontium-90 in crops. p. 106.
TSelishcheva, G. N. - Action of potassium phosphate on the translocation of radiostrontium absorbed by soil. p. 121.
Perevorzova, G. I. - Effect of nitrates and nitrites on the composition of the fermentation products of butyric acid bacteria. p. 130.
Borisenko, E. IA. - Ways for increasing the effectiveness of breeding work in animal husbandry. p. 13[illegible]
Riadchikov, V. G. - Lysine and swine feeding. p. 14[illegible]
Davidov, R. B. - Enrichment of whey with protein and vitamins. p. 166.
Nekrasov, S. S. - Kinematics of the shingling of shafts with multiroll shinglers. p. 172.
Strokov, V. L. - Studying the power consumption of the running gear of a wheeled tractor. p. 179.
Prokopenko, IU. IA. - Analyzing the thermal and technical characteristics of heat accumulating heaters. p. 191.
Prishchep, L. G., Sia De-tszi [Hsia Te-chi]. - Using electric heating in solar greenhouses. p. 210.
Sharov, I. A., Natal'chuk, M. F. - Continuous methods of irrigation organization. p. 219.
Bilnov, D. S. - Using ropes as transmission shafts p. 226.
In the Scientific Council of the Academy. p. 236.

MOSCOW. TS[illegible] SEL'SKOKHO[illegible] CENTRAL [illegible] No. [illegible] 1959.

T[illegible] translated:

Library work [illegible] standard required by [illegible]

[illegible] libraries.

Brief record of the proceedings of the conference. p. 6.

Information about participants in the conference. p.14.
The system of the libraries of research institutions of the All-Union Academy of Agricultural Sciences. p.15.
Decisions of a conference. p.18.
Order concerning the All-Union Academy of Agricultural Sciences. p.21.
Plan of the Central Scientific Library for 1958. p.24.
Main characteristics of the plan of the Central Agricultural Library. p.28.
Using the manuscript collection. p.31.
Preserving, organizing, and using the science archives in the All-Union Institute of Plant Protection. p.31.
Working with the manuscript collection of the Central Reference Library of the All-Union Research Institute of Cotton Growing. p.37.
Catalog of translations, abstracts, and reviews in the collections of the Central Agricultural Library. p.40.
Bibliographical lists on specific subjects. p.47.
Catalog of bibliographical lists issued during quarters 2-4 in 1957. p.47.
Through the pages of the "Quarterly Bulletin" of the International Association of Agricultural Librarians and Documentalists p 51.
Brief news. p.53.

No. 7, 1961.

Table of contents translated:
Greet the 22d Congress of the CPSU in an appropriate way. p.3.
Litvin, V.M., Dubova, L.S. - Urgent tasks before agricultural libraries. p 7.
Bakusheva, N.I. - Leningrad branch of the Central Agricultural Library. p 12.
Baranova, M.S., Reznikov, V.G., Shapiro, T.I. - Libraries of research institutions of the Ukraine. p.15.
Gordeeva, L.T., Kapitanova, T.A. - Libraries of research institutions of Kazakhstan. p.19.
Zhuk, M.L. - Agricultural Library of the Republic of White Russia. p.22.
Chuenko, L.F. - Library of the Research Institute for Animal Husbandry, Forest Steppes, and the Forest Area of the Ukraine. p.24.
Sakharova, N.N. - Library of the Omsk Agricultural Institute. p.27.
Berdichevskii, R. - Library of the Kaliningrad Agricultural Experiment Station. p.29.
Baranova, M. - Seminar of bibliographers of agricultural libraries. p.33.
Shapiro, T.I. - Inter-republic Conference of Workers in Libraries of Transcaucasia. p.34.
Tundina, Z.F. - Conference of the Central Agricultural Libraries and Documentation Organizations of Socialist Countries, April 11-14, 1961. p.35.
Use of cards in centralized cataloging of articles in foreign magazines. p.37.
Catalog of translations, abstracts, and reviews on general agronomy and general plant growing. p.42.
Hydraulic engineering and reclamation. p.63.
Catalog of bibliographical lists issued during quarters 2-4 of 1960 and quarter 1 of 1961. p.76.
Zheltova, M. - "Agricultural research in India; Institutes and organizations." p.87.

MSK. SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOGO KHOZIAISTVA. Sbornik nauchnykh rabot [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Papers]. No. 6, 1961.

Table of contents translated:
Kochergin, A.E. - Determining the nitrogen fertilizer requirements of farm plants in the Chernozem soils of Siberia. p.3.
Bezvikonnyi, V.D., Kaletin, G.A. - Effectiveness of clover as a fallow crop in the Chernozem forest steppe of Siberia. p.10.
Karamshuk, Z.P. - Effect of plowing methods on the microbiological processes in soils. p.16.
Zagrebaev, I.I. - Use of mineral fertilizers in meadows and pastures. p.21.
Afanas'eva, A.L., and others. - Effect of bacterial fertilizers on the yield of cabbage and potatoes. p.25.
Mogilevtseva, N.A. - Possibilities of improving the quality of the grain of spring wheat in Siberia. p.28.
Vysokos, G.P., Varakein, A.V. - Durum wheat. p.43.
Pezhemskaia, T.A. - Changing the vegetative period of spring wheat. p.49.
Bogomiagkov, S.T. - New spring wheat varieties developed from winter varieties. p.55.
Bogomiagkov, S.T. - Selecting winter wheats. p.60.
Milashchenko, N.Z. - Sowing certified seeds reduces the loss caused by the cutworm Hadena basilinea. p.64.
Khomiakov, I.S. - Sowing rates for fiber flax in the taiga borderland of Tyumen' Province. p.67.
Kotliarova, L.L. - Single-tuber potato planting. p.72.
Makarova, G.I. - The "Flora" variegated hybrid alfalfa. p.75.
Karetnikova, O.V. - Foxtail millet. p.82.
Shemetov, A.K. - Expenditures of labor and means in corn growing. p.87.
Kazurov, I.S., Aref'eva, M.S. - Ensiling corn with the addition of urea. p.92.
Aref'eva, M.S., Maidaniuk, A.E. - Determining the digestibility of feeds using chromium oxide. p.96.
Nikiforov, K.D., Topilin, D.A., Tereverko, K.N. - Economic return rate of feed and some physiological indices of Red Steppe cows and their crossing with Kurgan bulls. p.99.
Eismont, V.I. - Systems of fine-wool sheep raising. p.104.
Eismont, V.I. - New pen types for early winter and winter lambing. p.109.
Gerasenkov, B.I. - Relationship among parent forms in the hybridization of corn in Siberia. p.115.
Gerasenkov, B.I. - Effect of the age of pollen and filaments on the yield of corn. p.116.
Gerasenkov, B.I., Ragozina, V.P. - Winter planting of corn. p.117.
Il'in, V.S. - Sweet corn. p.118.
Zhukov, I.N. - Depth of the placement of humus in the fallow for spring wheat. p.120.
Filimonova, T.G. - Growing onions in artificial nutrient media. p.121.
Geshele, E.E. - Development of wheat pests and diseases under the conditions of various types of plowing. p.123.
Trofimova, O.S. - Fall scarifying of interrows of forest tree seedlings. p.127.
Fedulova, N.M. - Effect of light on the process of vernalization in winter barley. p.139.
(DNAL)

*POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U S.S.R.]. Moscow, no.6, June 1964.

Table of contents translated:
Gerasimov, I.P. - Modern approach to soil classification as established by Dokuchaev, and its application to the U.S.S.R. and world soil maps. p.1.
Gerasimov, I.P. - Theoretical problems of soil science in the Scientific Council. Discussion on the new American soil classification system. p.14.
Fridland, V.M. - Logic of the new system. p.20.
Ivanova, E.N., Fridland, V.M. - Using the new system in the correlation and mapping of soils. p.21.
Erokhina, A.A., Sokolova, T.A. - Problems of genesis and geography in the new system. p.23.
Shuvalov, S.A. - Some aspects of the use of the new system in the agriculture of the U.S.A. p.26.
Zonn, S.V. - Use of the new system in studying the soils in the mountain forest areas of the U.S.A. p.28.
Gerasimov, I.P. - Use of the new system in Western Europe. p.30.
Glazovskaia, M.A. - Use of the new system in Australia. p.31.
Sokolov, I.A., Targul'ian, V.O. - Appplication of the new American soil classification (seventh approximation) to the soils of the Soviet Union. p.36.
Rozov, N.N. - Comparison of the U.S.S.R. soil classification with the new American system. p.42.
Gerasimov, I.P. - Conclusion. p.48.
IAkubov, A.M., Vel'gorskaia, N.N. - Distribution of manganese and its forms in the soils and waters of the Samarkand Oasis. p.49
Shkonde, E.I., Koroleva, I.E. - Determining ammonia nitrogen in soil extracts using indophenol dyes. p.54.
Peterburgskii, A.V. - Use of ion exchangers in soil and agrochemical studies. p.60.
Obrejanu, G., Ineianu, Al., Aksenova, I. - Investigations in the establishment of agrochemical and soil melioration indices for the characteristics of the fertility of floodland soils in the steppe and forest zone of the Danube Plain. p.68.
Bolyshev, N.N. - Role of algae in the formation of soils. p.79.
Nikitin, D.I. - Use of electron microscopy in the study of soil suspensions and cultures of microorganisms. p.86.
Interdepartmental Commission on the Nomenclature, Systematics, and Classification of Soils of the All-Union Society of Soil Scientists. p.92.
Bibliography. p.96.

[illegible]

REFERATIVNYI ZHURNAL· POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S.S.R.]. Moscow, no.14, July 1964.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.7, no.7, July 1964

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol.12, no.7, July 1964

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Saratov, vol.2, no 7, July 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.] Krasnodar, vol.2, no.7, July 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS] Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Sverdlovsk, vol 2, no.7, July 1964.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE] Issued by Eesti NSV Pollumajandussaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.] Tallinn, vol.19, nos.13-14, July-Aug. 1964. [In Estonian]

TSELINOGRAD. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol.1, 1963.

Table of contents translated:
Gendel'man, M.A. - Basic problems of regional and interfarm planning of agricultural zones. p.5.
Tikhomirova, E.D., Spektor, M.D - Economic hypothesis of Yesil' District. p 17.
Plotnikova, V.K., Kirillova, V.T. - Making composite plans on the scale of 1:100,000 for the purpose of regional planning p.27.
Polovitskii, I.IA. - Possibilities of reclaiming new lands in the Virgin Territory. p 37.
Makarova, I.V. - Conditions affecting the level of the marketability of collective farm products. p.47.
Portnoi, I.L. - Organization and activities of cooperative farms in northern Kazakhstan from 1918 to 1921. p.59.
Kudriavtsev, V.A., Pastukhova, V.M. - Effect of the intensity of light during the formation period of the sexual elements of the generative organs on the accumulation of dry matter and the carbohydrate metabolism in spring wheat. p.79.
Veden'kov, E.P. - Effect of the intensity of light during the early stages of tomato development on the formation of their reproductive organs. p.87.
Vibe, K.G. - The plasma-nucleus ratio in the cells of various tissues of vertebrates under the conditions of normal nutrition and in starvation. p.101.
Lazarev, A.I., Lazareva, V.I. - Studying catalytic properties of molybdenum. p.119.
Roktanen, L.P. - New disinfectant of corn seeds. p.127.
Kupershtok, L.M. - Using the descriptive geometry method in the solution of problems in the field of designing and utilizing agricultural machines, hoisting-conveying mechanisms, and rural structures. p.131.
Bok, N.B. - Graphic analysis and synthesis of mechanisms with rotating parts. p.141.
Bok, N.B. - Regulating harvester reels. p.160.
Roktanen, L.B. - Roller drill for belt surface sowing and soil packing. p.165.
Roktanen, L.S. - Analytical volumeter. p.173.
Troianov, A.S. - Agricultural zoning of a region based on the yield over a long period of time. p.183.

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.]. Alma-Ata, vol. 7, no. 2, Feb., 1964.

Table of contents translated.

Abdil'din, S.A. - Some problems of efficient utilization of natural grasslands. p. 3.

Mukhlisulin, Sh. - Efficient forms of the organization of work in sheep raising. p. 6.

Kuznetsova, A.G. - Some economic indices of the development of sheep raising on the Lenin Collective Farm. p. 11.

Kuanyshbekov, M., Bapaev, B. - Specialization of agriculture in Kzyl-Orda Province. p. 14.

Aitbaev, M. - Role of legumes in the accumulation of organic substances and nitrogen in rice crop rotation. p. 22.

Baranovskii, P.M., Titev, G.M., Amantaev, E.A. - Productivity and physiological characteristics of corn in various space arrangements and under intensified fertilization. p. 30.

Amantaev, E.A., Bolarovich, N.M., Umurzakov, N. - Fertilizing corn in the irrigated light-colored Chestnut soils in southeastern Kazakhstan. p. 36.

Kisykbasov, K. - Irrigation system for potatoes in the lower Ural River Valley. p. 43.

Ibraev, A. - Development of horticulture and viticulture in Kzyl-Orda Province. p. 49.

Polovitskii, I.IA. - Working out the plans for controlling wind erosion on the farms in the Virgin Territory. p. 51.

Zhukhovitskaia, Z.V., Geshtovt, IU.N. - Some characteristics of corn growing in the Virgin Territory in connection with the use of the triazine-type herbicides. p. 55.

Amanbaev, A.M. - Stimulating heat in sheep out of season. p. 59.

Maksimova, A.Z. - Chemical composition and technological properties of the milk of Alatau cows and their crossing with Jersey cattle. p. 63.

Shirinskii, M.A., Pogodin, V N. - Improvement of the primary processing of karakuls. p. 69.

Muratov, M. - Spring mating of Karakul sheep in southern Kazakhstan. p. 73.

Karabaev, D.K., Imangaliev, M. - Paramphistomiasis of sheep in Gur'yev Province. p. 77.

Shonov, B.M., Tasbulatov, E.S. - Effect of cobalt-copper feed supplements on some physiological functions of the organism and on the intestinal cestodiasis of sheep. p. 83.

Chaban, A.P., Chernyshev, A.P. - Artificial spawning grounds in the Ust'-Kamenogorsk Reservoir. p. 89.

Dianov, P.A., Gapparov, E.I. - Feeding silver black foxes on the fur farm of the "Luch vostoka" Collective Farm in Alma-Ata Province. p. 96.

Oleflrenko, T.T. - Theoretical premises in designing a driveless self-unloader. p. 99.

Kuznetsova, M.K. - Basis for determining the chief parameters of the working part of a blade-type snow ridger. p. 104.

Makarenko, A.A. - Determining the thinning intensity of stands in improvement cuttings. p. 113.

Glazov, IU.A. - Determining the growing stock of black saksaul under various methods of main cutting. p. 119.

Almanliazov, A.A., Muratov, T.M. - Biology of the germination of the seeds of sugar beet varieties. p. 122.

Fateeva, O.F., Zharokova, R.G. - Results of a preliminary testing of herbicides in the control of sowthistle in strawberry plantations. p. 125.

Esipova, G.S. - Use of simazine in black currant plantations. p. 127.

Karasaev, A.A. - Winter feeding of cattle in the Aral Sea region. p. 130.

Dzhivago, V.F., Khanin, M.A. - Ligatureless method of castrating young boars. p. 132.

Odarenko, K.I. - Reversion of filtering forms of Mycobacterium tuberculosis. p. 133

Khaustov, I.E. - Control of hog cholera on the farms in the Virgin Territory. p. 135.
(DNAL)

Vol. 7, no. 6, June 1964.

Table of contents translated:

Govar, M.A., Zenin, S.S. - Utilization of the pastures in the semidesert and desert zone of Kazakhstan. p. 3.

Baitulin, I.O., Tumanova, N.V. - Characteristics of the development of the root systems of some soybean varieties in the irrigated lands of Alma-Ata Province. p. 8.

Amantaev, E.A., Azhigoev, IU.P. - Effect of some protective means for corn seeds on their productivity. p. 14.

Andreev, V.M. - Determining the irrigation requirements of cucumbers on the basis of the concentration of cell sap in leaves. p. 19.

Mel'nikova, E.A., Kharin, S.A. - Materials on the entomofauna harmful to legumes, beets, and buckwheat in East Kazakhstan Province. p. 24.

Al'zhanov, Zh.Sh. - Forage bean diseases in the Virgin Territory. p. 29.

Nusurov, N.A. - Promising preparations in the control of the wormwood leaf beetle Theone silphoides. p. 31.

Mosievskaia, L.M. - Results of testing trichodermin in the control of the wilting of melon and watermelons in the northern Lake Balkhash Region. p. 35.

Borodina, F.P., Muravlianskii, K.D. - Classification of pastures in Kazakhstan based on the vegetation. p. 37.

Tikhomirov, F.Kh., Abdraimov, S. - Effect of the intensity of the use of Festuca sulcata and Stipa dominant pastures on the weight gain in sheep. p. 43.

Sal'nikov, F.E. - Atypical case of rabies in a cow. p. 46.

Rosliakov, A.K., Glumov, P.A. - Effect of cobalt chloride on the growth of weaned pigs and the weight gain per feed unit. p. 49.

Pastukhov, P.S. - Method of intensive raising of young cattle for meat. p. 53.

Zelinskii, M.I. - Veterinary examination of the meat of animals poisoned by plants. p. 56.

Nesmashnaia, V.G. - Therapy and prophylaxis of coccidiosis in rabbits. p. 61.

Rakhmanov, A.M. - Improper use of mixed feeds as the cause of diseases and loss of animals. p. 64.

Chubis, A.I. - Testing methods of group vermifugal treatment of sheep infected with intestinal helminthiases using sodium fluosilicate. p. 70.

Ramazanov, V.T. - Cadium salts as anthelmintics in cestodiasis of dogs. p. 77.

Mincov, V.V. - Searching for methods of treating hymenolepiasis in ducks. p. 83.

Flerinskii, V.P. - Brewer's yeasts as a means for increasing the butterfat content in cow milk. p. 87.

Egorenkov, S.L. - Effect of tree groves on crop yields. p. 91.

Brusentsov, V.V. - Characteristics of the regeneration of pine in forest groves in the Borovskoye Forest Working Circle, Kustanay Province. p. 96.

Shevchenko, A.D. - Structure of the wood of Schrenk spruce. p. 100.

Popov, I.T. - Structure of larch stands in the Saur Range as related to the type of forest vegetation conditions. p. 104.

Antropov, F.T. - Studying various types of beehives in the mountain-forest zone of East Kazakhstan Province. p. 111.

Glazkov, P.N. - Use of herbicides in Kazakhstan; annotated bibliography for 1962-1963. p. 115.
(DNAL)

VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sil's'koho hospodarstva Ukrains'koi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol. 7, nos. 6-7, June-July 1964.

VORONEZH. SEL'SKOKHOZIAISTVENNYI INSTITUT. Zapiski [AGRICULTURAL INSTITUTE. Annals]. Vol. 17, no. 2, 1962.

Table of contents translated·

Kotov, V.T., Artemov, B.T. - Controlling brucellosis in cattle on the farms of Voronezh Province. p. 3.

Kotov, V.T., German, L.S., Artemov, B.T. - Ring serum test and its practical importance in the diagnosis of brucellosis. p. 15.

Novak, D.D. - Elimination of tuberculosis in cattle on farms afflicted by the disease. p. 21.

Novak, D.D., Koniaev, M.T. - Allergic reactions in cows with tuberculosis as related to the level of general reactivity. p. 31.

Shitov, K A., Vitkalov, V.P - Eliminating tuberculosis in poultry on farms using BCG vaccination. p. 39.

Kotov, V.T., Borisov, A.M. - Materials on influenza (enzootic bronchopneumonia) in swine. p. 47.

Skripitsyn, IU.A. - Resistance of trichomonads in cultures to some drugs. p. 53.

Akatov, V.A. - Pathoanatomical changes in the sexual organs of bulls with trichomoniasis. p. 57.

Kotova, O.M. - Survival of Leptospira in the meat of animals given antibiotics intravitam. p. 65.

Mikhailiukov, N.D. - Pathomorphology of Aujeszky's disease in young dogs in an experiment. p. 69.

Moskalev, B.S. - Susceptibility of sheep to swine ascarids. p. 77.

Moskalev, B.S., Rubtsova, A.M. - Effect of environmental factors on the viability and infestating ability of the eggs of swine ascarids. p. 85.

Nasonova, M.V. - Effect of the composition of feeds of the host on the fecundity of ascarids parasitic in dogs. p. 97.

Merkushev, A.V., and others. - Statistics of cysticercoses and echinococcoses of animals according to some slaughtering enterprises in Voronezh Province. p. 101.

Skripitsyn, IU.A. - Comparative evaluation of the therapeutic effectiveness of some tissue extracts in the functional disorders of the sexual sphere in cows. p 105.

Evteev, G G, Popov, V S - Castrating young boars by Baiburttsian's method. p 111.

Akatov, V A, and others. - Effect of preserved sperm and the frequency of artificial insemination on the fertilizability and fertility of brood sows p. 115.

Akatov, V.A., and others. - Fertilizability and fertility of brood sows artificially inseminated on a farm affected by brucellosis. p. 121.

Obzhorin, N Z. - Alimentary osteodystrophies of cattle in Voronezh Province. p. 123.

Obzhorin, N.Z. - Pathogenesis and pathogenetic therapy of alimentary osteodystrophies p 139.

Obzhorin, N S, and others. - Seasonal changes in the blood of cows and their importance in the pathogenesis of alimentary osteodystrophies. p 115.

Fediurko, B.A - Proteins and their fractions in the blood serum of cows afflicted with alimentary osteodystrophy. p. 163.

Chaplygina, G.A., Shichanina, A.L. - Content of the various forms of calcium compounds in the blood serum of cattle in alimentary osteodystrophies p. 171.

Abros'kina, A.V. - Alkaline reserve in the blood of cows with alimentary osteodystrophies. p. 177.

Fediurko, B A. - Content of carotene and vitamin A in the blood serum of cows with alimentary osteodystrophies p. 183.

Chaplygina, G.A. - Content of the various forms of phosphorus compounds in the blood serum of cattle in alimentary osteodystrophies p. 189.

Kruglov, V.P. - Studying the rumen contents of cows afflicted with alimentary osteodystrophies. p. 195.

Konovalov, N.N. - Physicochemical characteristics of urine in cattle with alimentary osteodystrophy. p. 201.

Kruglov, V.P - Physicochemical changes in the feces of cattle with alimentary osteodystrophies. p. 203

Abros'kina, A.V. - Electrical excitability of the muscles in cattle with alimentary osteodystrophies p. 207.

Shafarenko, E A. - Studying the elementary chemical content of natural waters in connection with the alimentary osteodystrophy of cattle on the Kirov Collective Farm. p. 213.

Rudakov, I L. - X-ray photometry in alimentary osteodystrophies of cattle p 217.

Khokhlachev, V K., Kashintsev, B.S - Some data on the nature of changes in the stomach content of young pigs lagging in growth and development. p. 225.

Il'in, M.M. - Degree of the infestation of slaughtered animals with echinococcoses in Voronezh Province p. 231.

Khokhlachev, V.K., Kashintsev, B.S., Rudakov, I.L. - Clinical and X-ray examination of the stomach and the intestines of small animals. p. 233.

Khokhlachev, V.K., Kashintsev, B.S. - Clinical and X-ray examination of the liver of dogs. p. 241.

Khokhlachev, V.K., Kashintsev, B.S, Rudakov, I.L. - Methods of the contrast X-ray examination of the gall bladder in dogs. p. 247.

Kashintsev, B.S. - X-ray diagnosis of diseases of the organs of the abdominal cavity in dogs by the method of the optimal pneumatization of the intestines. p 253.

Rudakov, I.L. - Determining the amount of mineral matter in the bones of animals. p. 261.

Rudakov, I.L. - Apparatus for the microphotometry of X-ray films. p. 267.

Men'shakov, P.G. - Therapy of the rheumatic inflammation of hoofs. p. 271.

Koniaev, M.T., Nasonova, M.V. - Use of a hand fire machine with the atomizer of the M-600 motor pump for controlling scabies in swine. p. 273.

Poliakova, G.A. - Changes in the morphological composition of the peripheral blood in connection with the castration of stallions. p. 277.

Men'shakov, P.G. - Effect of phenamine on water diuresis in horses. p. 279.

Men'shakov, P.G. - Effect of ascorbic acid on water diuresis in horses. p. 283.

ZA SOTSIALISTICHESKUIU SEL'SKOKHOZIAISTVENNUIU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE]. Issued by Chekhoslovatskaia akademiia sel'skokhoziaistvennykh nauk [Czechoslovak Academy of Agricultural Sciences]. Prague, vol. 13, no. 2, 1964.

ZEMES UKIS [AGRICULTURE] Issued by Lietuvos TSR Zemes ukio produktu gamybos ir paruosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.]. Vilnius, no. 6, June 1964. [In Lithuanian]

b. ANIMAL INDUSTRY

KAZAN. VETERINARNYI INSTITUT. Uchenye zapiski [VETERINARY INSTITUTE. Studies]. Vol. 72, 1960. Contents. Evranova, V. G. [Methods for the laboratory diagnosis of the principal helminthiases of farm and commercial animals and a comparative analysis of their efficiency] Metody laboratornoi diagnostiki glavneishikh gel'mintozov sel'skokhoziaistvennykh i promyslovykh zhivotnykh i sravnitel'nyi analiz ikh effektivnosti. 417 p.
(DNAL)

KONEVODSTVO I KONNYI SPORT [HORSE BREEDING AND EQUINE SPORTS]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 34(109), no. 7, July 1964.
(DNAL)

KROLIKOVODSTVO I ZVEROVODSTVO [RABBIT BREEDING AND FUR FARMING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, no. 7, July 1964
(DNAL)

MINSK. BELORUSSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. Trudy [WHITE RUSSIAN SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY Transactions]. Vol. 3, 1962.

Table of contents translated:
Introduction. p. 3.
Voliko, D. I. - Theory and practice of inbreeding in swine raising. p. 5.
Karelin, V. N. - Higher butterfat content of milk in pure-bred Brown Latvian cows. p. 16.
Sidorenko, G. M. - Breeding work with Kostroma and Swiss cattle in the breeding herds of White Russia. p. 32.
Galko, A. A. - Gorin' cattle in White Russian Polesoye and methods for its improvement. p. 41.
Rodionov, V. G. - Organization of artificial insemination in White Russia. p. 61.
Kuosa, J. - System of breeding work in the Lithuanian S.S.R. p. 68.
Vaher, L. F. - Methods of judging bulls by the quality of their progeny. p. 78.
Tuzov, S. I. - Red White Russian cattle in Grodno Province and measures for its further improvement. p. 86.
Simonenko, O. P. - Some indices of meat productivity of the black and white and local improved cattle in White Russia. p. 97.
Bezrodnyi, V. P. - Efficient use of breeding cows in animal husbandry. p. 113.
IAkhontova, A. M. - Meat qualities of castrated hybrid Jersey bull calves. p. 119.
Nekrashevich, I. F. - Breeding work on the improvement of White Russian Black and White swine at the Experimental and Training Farm of the White Russian Academy of Agriculture. p. 128.
Spirin, K. F., Khmurovich, A. I. - Simple interbreeding and crisscrossing of swine using one-litter sows. p. 139.
Tonevitskii, G. G. - Organization of swine crossbreeding for the market on collective and state farms of Vitebsk Province. p. 156.
Katlaps, M. A. - System of breeding early double-purpose sheep in Latvia. p. 162.
Pyshenkin, A. D., and others. - Changes in the economically useful indices and some biological characteristics in French Merino sheep born at various seasons. p. 165.
Nikolaeva, IU. N. - Theory and practice of waterfowl egg incubation. p. 175.
Palkin, G. A. - Trends in the development of rabbit raising in White Russia. p. 184.
Sapunov, V. A. - Effect of the level of protein feeding on the milk yield of cows and weight of progeny. p. 190.
Bulkevichene, A. A. - Raising calves for meat using various feeding rates of whole milk. p. 202.
Magorskaia, E. D. - Forage lupine as the most important source of protein in animal husbandry. p. 210.
Kabozov, S. M. - Production and use of mixed feeds.
Denisov, V. P. - Organization of the production of enriched mixed feeds at the enterprises of the mixed feed industry. p. 230.
Sapunov, V. A. - Use of sugar beets in feeding dairy cows. p. 235.
Shcheglov, V. V., Cherches, F. A. - Raising and fattening swine using sugar beets. p. 244.
Ivanov, D. P. - Effectiveness of the use of antianemic granulated mixed feeds in raising suckling pigs. p. 255.
Keltel'man, K. Z. - Use of urea in fattening young cattle. p. 265.
Solntsev, K. M., and others. - Production and use of feed antibiotics in White Russia. p. 273.
Agafonov, V. N. - Effectiveness of the use of feed antibiotics in swine fattening. p. 288.
Luksys, L. - Effectiveness of biomycin on the fattening of meat-type swine on various feeds. p. 297.
Cherches, F. A. - Use of crystal biomycin and vitamin D_2 in swine fattening. p. 304.
Golubev, I. E., and others. - Use of the mycelium of Penicillium in infectious atrophic rhinitis of swine. p. 312.
Krasko, V. E. - Effect of feeding corn silage on the physiological indices of pregnant cows during the dry period and their progeny. p. 315.
(DNAL)

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, no. 7, July 1964.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PUSHNOGO ZVEROVODSTVA I KROLIKOVODSTVA. Nauchnye trudy [SCIENTIFIC RESEARCH INSTITUTE OF FUR FARMING AND RABBIT BREEDING. Studies] Vol. 4, 1963.

Table of contents translated
Kuznetsov, G. A., and others. - Growth of mink as related to the conditions of maintenance, feeding, and the character of selection. p. 3.
Kuznetsov, G. A. - Obtaining two offspring per year from silver foxes.
Khironopulo, N. P. - Fertilizability and fecundity of coypu as related to the season and the technique of raising. p. 51.
Kladovshchikov, V. F. - Requirements of grown coypus for protein, calcium, and phosphorus. p. 62.
Dukur, I. I., Demina, A. I. - Effect of antibiotics on the productivity of blue foxes and preservation of offspring. p. 74.
Utkin, L. G. - Blood picture in fur-bearing animals as related to age and sex. p. 83.
Firstov, A. A., Kuznetsova, IU. D. - Feeding silver fox males. p. 113.
Paducheva, A. L., Povetskii, I. G., Shapovalova, M. IA. - Sulfur metabolism in foxes and minks. p. 120.
Lepeshkin, V. I. - Commercial quality of rabbit pelts. p. 126.

MURMANSK. POLIARNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFII. Nauchno-tekhnicheskii biulleten' [ARCTIC SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Scientific and Technical Bulletin]. No. 2/3, 1962.

Table of contents translated:
Strel'bitskii, A. I. - Introductory address by the Director of the Arctic Scientific Institute of Maine Fisheries and Oceanography. p. 3.
IUdanov, I. G. - Founder of Marine fishery research. p. 6.
Adrov, M. M. - Founder of hydrological exploration of the Barents Sea. p. 8.
Pechenik, L. N., Sidorenko, I. N. - Exploring fishing grounds of importance for trawling in the region off western Greenland. p. 11.
IUdanov, I. G. - Possibilities of Soviet herring fisheries in the northwestern Atlantic. p. 16.
Baranenkova, A. S., and others. - Preliminary results of estimating the abundance of the fry of commercial fishes in the Barents Sea in the winter of 1961-1962. p. 18.
Sonina, M. A. - Method of forecasting the appearance of haddock in the southeastern areas of the Barents Sea. p. 24.
Domashenko, G. P. - Herring fisheries in the North Sea. p. 27.
Maevskii, V. M. - Conditions for the fishing of bottom fish and herring in the northwestern Atlantic and prospective exploration. p. 30.
P[illegible] - [illegible] the [illegible] gian [illegible] p. 34.
Azbelev, V. V., Surkov, S. S., IAkovenko, A. A. - Materials on the biology of humpback salmon acclimatized in the White and Barents Seas. p. 37.
Lebedev, A. A. - Ice conditions in the northwestern Atlantic and adjacent seas in 1961. p. 38.
Alekseev, A. P., Istoshin, B. V., Shmarina, L. R. - Hydrological conditions in the Norwegian and Greenland Seas in 1961. p. 41.
Ponomarenko, L. S., Istoshina, M. A. - Oxygen and biogenic elements in the Atlantic waters of the Norwegian and Greenland Seas. p. 44.
Litvin, V. M. - Basic study results of the Arctic Scientific Institute of Marine Fisheries and Oceanography on the geomorphology of the bottom of the Norwegian Sea. p. 48.
Belov, N. A., Lapina, N. N. - Deep-sea deposits in the northern part of the Greenland Sea. p. 51.
Borovaia, L. I. - Hydrological conditions of the Barents Sea in 1961. p. 53.
Khromtsova, M. S. - Possibilities of a long-term prognosis of the distribution of ice in the northern part of the Barents Sea. p. 57.
Nikol'skii, L. S. - Economic efficiency of the use of fishing fleets in the northwestern Atlantic. p. 61.
Nikol'skii, L. S. - Comparative economic efficiency of fisheries in the northwestern areas of the R.S.F.S.R. p. 62.
Rulev, N. N. - Technological properties and salting of herring caught on the Georges Bank. p. 63.
Gan'kov, A. A. - Developing new Russian fish-locating devices. p. 66.
Grinberg, L. A., TSybina, N. I. - Planning the refrigeration system of the BRT type boat "Kreml." p. 68.

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 10, no. 7, 1964.

PARAZITY SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH KAZAKHSTANA [PARASITES OF FARM ANIMALS OF KAZAKHSTAN]. Issued by Institut zoologii Akademii nauk Kazakhskoi SSR [Institute of Zoology of the Academy of Sciences of the Kazakh S.S.R.]. Alma-Ata, vol. 3, 1964. Gel'minty [Helminths].

Table of contents translated:
Boev, S. N., Sokolova, I. B., Tazieva, Z. Kh. - Specificity of the species of the causative agent of cysticercosis in small ruminants. p. 7.
Tazieva, Z. Kh. - Histological distinctions of cysticerci in small ruminants. p. 30.
Panin, V. IA. - Developmental cycle of Elaphostrongylus panticola Lubimov, 1945. p. 34.
Mitskevich, V. IU. - Developmental cycle of Elaphostrongylus rangiferi Miz., 1958. p. 49.
Praiadko, Z. I., and others. - Helminths of Japanese deer and their incidence on the raising farms in Altai within Kazakhstan. p. 61.
Vsevolodov, B. P., Priadko, E. I. - Materials on the pathomorphology of brain elaphostrongylusis in marals. p. 71.
Panin, V. IA. - Role of terrestrial mollusks in the incidence of Elaphostrongylus in Japanese deer. p. 79.
Panin, V. IA., Rusikova, O. I. - Susceptibility of mollusks to the infection by the larvae of Elaphostrongylus panticola Lubimov, 1945. p. 84.
Priadko, E. I., Teterin, V. I. - Therapy of elaphostrongylusis in marals. p. 90.
Osipov, P. P. - Effect of feeding phenothiazine to marals on the excretion of Elaphostrongyluses, Dictyocauluses, and Bicauluses. p. 98.
Shol', V. A. - Intravital methods of the diagnosis of the Setaria infestation of marals. p. 101.
Logachev, E. D. - Materials on the functional histology of helminths occurring in the blood vessels. p. 104.
Lavrov, L. I. - Contamination of cattle with Ornithobilharzia in southern Kazakhstan. p. 108.
Karamendin, O. S. - Viability of the larvae of Dictyocaulus viviparus in the piedmont of the Kazakhstan part of the Altai. p. 114.
Gubaidulin, N. A. - Helminths of sheep and goats in eastern Kazakhstan. p. 117.
Karamendin, O. S. - Helminth infestation of cattle imported from China and Mongolia. p. 128.
Gubaidulin, N. A. - Helminth fauna of sheep and goats imported from china and Mongolia. p. 132.
Karamendin, O. S., Gubaidulin, N. A. - Zoogeographical characteristics on the helminth fauna of sheep and cattle in eastern Kazakhstan. p. 136.
Shol', V. A. - Helminths of domestic and wild swine in East Kazakhstan Province. p. 143.
Shapolatov, Zh. Sh. - Clinical aspects and epizootiology of trichocephaliasis in swine. p. 147.
Dement'ev, I. S., Utepov, M. Sh. - Helminth fauna of horses in southeastern Kazakhstan. p. 151.
Egizbaeva, Kh. I. - Infestation of ducks with helminths as related to the type of reservoirs in the Virgin Territory. p. 154.
Egizbaeva, Kh. I. - Supplement to the helminth fauna of domestic ducks and geese in the Virgin Territory. p. 162.
Nugmanova, K. M. - Nematode fauna of tomatoes in the peidmont of the Trans-Ili Alatau. p. 167.

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO VETERINARIIA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY. VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 13, July 1964.

[illegible]

[illegible] RYBOLOVSTVO [PISCICULTURE AND [illegible]]. [illegible], Ministerstvo sel'skogo khoziaistva [illegible] [Ministry of Agriculture of the U S S R] [illegible] 7, no 4, July-Aug 1964

c FORESTRY

[illegible] PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ [illegible] Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U S S R , and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry] Moscow, vol 42, no 6, June 1964

Table of contents translated

Petrov, V. - We are promoting the output of merchantable lumber. p. 2 of cover.
Smirnov, V.P. - Our practices in receiving full-length logs. p. 2 of cover.
Kiselev, K.P. - Use the achievements of science and technology in production. p. 1.
Abramov, D.A. - Contribution of science to lumbermen. p. 3.
Voronin, M.I., Gabovich, S.A. , Zorin, S.P. - New machines made by the Altai Tractor Plant. p. 6.
Filatov, A.A., Zheguorv, N.A. - Cable crane for the container loading of short lumber. p. 8.
Pervukhin, V., Chernomardin, F. - Mechanize the gathering of cutting residues. p. 11.
Kharitonov, G.N., Andreeva, A.A. - Make more extensive use of kiln lumber drying. p. 15.
Solov'ev, B.A., Kukovitskii, F.G. - Universal bundle-making trailer. p. 16.
Fesenko, S. - Shortcomings of the technical documentation on repair. p. 18.
Lebedev, IU.S. - Earth log decks. p. 19.
Kulebiakin, A.M., Likhachev, A.A. - Tensiometric investigation of reinforced concrete slabs. p. 21.
[illegible], M. - Distribution of enterprises on the basis of the chemical processing of wood. p. 22.
Saltykov, M. - Continuously operating enterprise. p. 23.
Akimov, A., Novosel'tsev, N. - Concentration of production. p. 24.
Gribanov, E.F., Tanashev, R.I. - Survey of the new machinery. p. 25.
Ivlev, IU. - Study of economics helps in the work. p. 27.
Rokhlenko, D. - Searching in the field of wood sawing. p. 28.
Nikolaev, L. - From the pages of foreign journals. p. 29.
Bavel'skii, M.D., Smirnov, A.A. - Textbook on the fundamentals of automation. p. 30.
Lobovikov, T. - Economics of the use and reproduction of forest resources. p. 30.
Kornilov, I.S. - Ways of economizing on labor expenditure in lumber floating. p. 31.
Grebov, S. - Mean values of the coefficients of static resistance before the sliding and rolling of unbarked newly felled logs. p. 32.
Goriachev, I.M. - Polymers and the manufacture of forest machinery. p. 3 of cover.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U S S R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 17, no. 6, June 1964.

Table of contents translated·

Intensification as the main trend in forestry. p. 2.
Shutov, I.V., Bel'kov, V.P. - Use of chemical means in forest management practice. p. 9.
Dekatov, N.E. - Some observations on the use of herbicides. p. 14.
Kusenko, G. - Aerial chemical weed control of young stands. p. 17.
Nosenkov, A.I. - Determining the capacity of soil percolation. p. 18.
Evaluate correctly the possibilities of the natural regeneration of forest. p. 22.
Antanaitis, V. - Some problems of the efficient utilization of forest resources. p. 25.
Siniteyn, S.G. - Make efficient use of forest resources. p. 27.
Chernov, B.M. - Designate the purpose of the first-class forest. p. 29.
Solodukhin, E.D. - Divide forests by categories. p. 30.
Tribushevskii, F., Sazonova, N. - Forest management of the first-class forests. p. 31.
Flerov, B.A., Biulov, D.A. - Maintain the division of forests by classes. p. 32.
Velichko, IA.M., Kozlova, L.M. - Chemical weed control in the nurseries of wood species. p. 33.
Kapost, V.IA. - Trace elements in forest nurseries. p. 36.
Eglite, A.K. - Use of dalapon in grain fields. p. 39.
Chemiakina, S. N. - Effect of simazine and alipur on the germination of pine and larch seeds. p. 40.
Stepanova, Z.A. - Use of herbicides in oak plantations. p. 42.
Shashkova, M.V. - Herbicides for the control of blackberries in the forests of the Black Sea Coast of the Caucasus. p. 44.
Istratova, O.T. - Douglas fir in the Black Sea Coast. p. 45.
Avramenko, I.D. - Biological control of pine sawflies. p. 46.
Valenta, V.T. - Efficient measures for the control of pine-shoot moths. p. 48.
Targamadze, K.M. - Determining the degree of the utilization of forest lands. p. 50.
Mushketik, L.M. - Establishing work norms in forest clearcuttings. p. 53.
Nemirovskii, E.I. - Putting into order legislation of the R.S.F.S.R. on the responsibility of citizens for damage to forests. p. 57.
Fedorov, P.F. - Use machinery in forest management. p. 61.
Tatarinov, V.P., Lysenkov, N.I. - Our practices in the use of new machinery with the preservation of young growth. p. 71.
Forest technical schools. p. 76.
Safarov, I.S., Smirnov, V.V., Grozdov, B.V. - Book reviews and bibliography. p. 84.
Gorinskii, V.N., IAkubovich, L.V. - Drying swampy forest lands in the countries of Northern Europe. p. 87.
Stepin, V.V., and others. - Brief information. p. 92.
Savin, E.N. - Brief news. p. 96.

NYZHN'ODNIPROVS'KA NAUKOVO-DOSLIDNA STANTSIIA PO ZALISENNIU PISKIV I VYNOHRADARSTVU NA PISKAKH. Naukovi pratsi [LOWER DNIEPER SCIENTIFIC RESEARCH STATION FOR THE AFFORESTATION OF SANDS AND THE GROWING OF GRAPEVINES ON SANDS Studies]. Kiev, no. 9, 1961.

Table of contents translated:

Toropohryts'kyi, D.P. - Cultivation practice basis of the hardiness of pine plantations in the sands of the lower Dnieper Valley. p. 3.
Berhkhol'ts, N.L. - Care for pine plantations in sands. p. 13.
Vynohradov, V.M. - Growth and reconditioning of black locust in buried soils. p. 32.
Babenko, D.K. - Growth of black locust in Terek-Kuma and lower Dnieper Valley sands. p. 43.
Vynohradov, V.M. - Moisture and nutrition conditions of pine in sands. p. 58.
Toropohryts'kyi, D.P. - New hybrid poplar forms developed at the Station. p. 71.
Moskalenko, V.K. - Irrigation of vineyards in the sandy-loam soils of the lower Dnieper Valley. p. 77.
IAkymenko, I.A. - Inheritance of characters by hybrid grape seedlings on the first germination. p. 87.
Zelenin, I.L. - Better table grape varieties for conditions in the lower Dnieper Valley. p. 95.
Onyshchuk, S.K. - Binding light soils for young vineyards and orchards. p. 111.
Nenaidenko, V.P. - Planting time for strawberries in the lower Dnieper Valley. p. 117.
Sharuda, H.I. - Controlling scarabaeid larvae in vineyards by applying hexachloran to both sides of the row. p. 123.
Kochenko, Z.I. - Testing new preparations in the control of mildew in vineyards. p. 127.
Onyshchuk, S.K., Kut'ko, L.F. - Depth and methods of plowing for field crops in the soils of Kherson Province. p. 137.

RU[illegible]

[illegible] nal]. Moscow, vol. 6, no. 6, 1963.

Table of contents translated:

Gorshenin, N.M., Miakushko, V.K. - Seeding-promoting cutting system in the beech forests of the Chernovtsy area of Ciscarpathia. p. 3.
Malakhovets, P.M. - Effect of the embedding of seeds on their field germination as related to the time of sowing. p. 9.
Babikov, B.V - Composition of the air of peat soils and its effect on the growth of pine plantations. p. 14.
Tikhonravov, N.A. - Designing the moulboards for forest plows. p. 20.
Alpat'ev, A.M , Kuznetsova, L.A - Wat[illegible] of soils under forest belts in the steppes of [illegible] casia. p. 27
Tikhonov, V.I - Formation of mixed plantat[illegible] including larch in the mountain part of th[illegible] Urals. p. 33.
Reva, M L. - Rejuvenation of undergrowth in [illegible] plantations. p. 37.
Samoshkin, E.N. - New accelerated method [illegible] determining the oil content of hazel nuts. p. 3[illegible]
Prozorov, IU.S. - Hypertrophy of the [illegible] injured woody plants and some [illegible] this phenomenon. p. 40.
Rakhmanov, S.I. - Determining the average [illegible] consumption by machines for processing [illegible] p. 51.
Zhilin, S.A., Egorov, L.I. - Roadability a[illegible] verability of wheeled tractors in lumber [illegible] p. 58.
Gur'ev, T.A. - Residual settling of ties and [illegible] of the rails of temporary narrow-gauge railroad tracks. p. 67.
Ushakov, O.D. - Characteristics of the perfor[illegible] of the semiaxial cardan transmission of [illegible] trucks. p. 75.
Kovalenko, N.P. - Effect of a continuous elect[illegible] current and chemical admixtures on the [illegible] tion rate of peat under load. p. 81.
Shelopaev, G.I. - Experimental investigation [illegible] process of moisture migration during the [illegible] freezing of soils. p. 85.
Manukhin, G.A., Chekalkin, K.A., Kudr[illegible] IU.S. - Construction of longitudinal [illegible] the methods of their fastening. p. 92
Chebota, P.P. - Process of intermixing and [illegible] of the foundation materials of logging railways [illegible] p. 98.
Vakhrusheva, I.A., Petri, V.N. - Using gr[illegible] larch wood for the manufacture of plastic [illegible] without adding adhesives. p. 100
Pisareva, L.I - Method of determining the m[illegible] of lumber during the process of drying in [illegible] hydrophobic liquids. p 105.
Tekhmeriadov, A.V. - Necessity of reviewing the standardized methods of selecting the [illegible] for wood testing. p. 109.
Belenkov, D.A. - Type of distribution of experim[illegible] data characterizing the rot resistance of lumber [illegible] p. 111.
Koz'min, A.V. - Physical and mechanical proper[illegible] of burl birch wood. p. 117.
Sylenkov, V.M. - Effect of the dimensions of [illegible] lumber on the procurement output. p. 120
Egorov, A.I., Koporin, I.F. - Joint combustion in boiler furnaces of wood waste and [illegible] generator gas. p. 129.
Ivanov, S.N., Loshchenko, I.G. - Technology of the production of paper for everyday hygienic use. p. 135.
Utkin, G.K., Kozlov, V.N - Characteristics of a furfurole-acetone monomer. p. 142.
Tumanov, I.F., Skirstymonskaia, I.I. - Formation of formic acid during the production of furfurole. p. 149.
Bogomolov, B.D., Gel'fand, E.D., [illegible], M F. - Determining the hydroxyl group of lignin by the Verley method. p. 152.
Gorokhov, G.I. - Mechanical and chemical destruction of lignocellulose polysaccharides. p. 156.
Tikhonov, A.S. - Statistical method of determining the crown closure in natural stands. p. 162.
Moiseenko, F.P., Aroshchenko, V.D., [illegible], N.T. - Using electronic computers in forestry research. p. 164.
Morozov, F.N. - Organization of production in the forest management of Czechoslovakia. p. 16[illegible]
Volchal', P.I. - A valuable monograph. p. 171
Gerasimov, M.V. - B.I. Ivanenko's 75th birthday. p. 173.
Index to "Lesnoi zhurnal" for 1963. Insert.

VC [illegible] T. Nauch-[illegible] INSTITUT [illegible] ia po teorii [illegible] ying the theory of the mechanisms of intermittent motion].

Table of contents translated:

Kukharenko, P.G., Freiman, L.S. - Some mechanisms of intermittent motion. p. 3.
Kukharenko, P.G. - Kinematics of the crank-link gear mechanisms of intermittent motion. p. 22.
Kukharenko, P.G. - Studying the crank-link gear mechanisms of intermittent motion by means of electronic calculating machines. p. 38.
Savin, E.A. - Mechanisms of intermittent motion with prolonged stops. p. 57.
Shapiro, I.I. - Device for the experimental study of cylindrical spur gears. p. 64.

d. PLANT CULTURE

[illegible] [CO]TTON GROWING]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of [illegible] U.S.S.R.] Moscow, vol. 14, no 7, July 1964.
(DNAL)

KUKURUZA [CORN] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S R.]. Moscow, vol. 9, no 6, 1964.
(DNAL)

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 13, July 1964

SADOVODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 102, nos. 6-7, June-July 1964.
(DNAL)

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry] Moscow, vol. 21, no. 4(227), 1964.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 6, 1964.

Table of contents translated:

Green light to the aerosol method. p. 2 of cover.
Bei-Bienko, G. IA. - Activity of E. N. Pavlovskii in the field of entomology. p. 2.
Shin, P. V. - One million hectares sprayed with ground machines. p. 4.
Koroikikh, G. I. - It is up to the chemists and machinery manufacturers. p. 4.
Pronina, M. M., Viazovoi, P. I. - Universal machine. p. 6.
Goncharenko, E. G. - In the orchards of Moldavia. p. 8.
Danilov, V. P. - Controlling fruit sawflies. p. 9.
Kovtun, M. G. - Less expensive than spraying. p. 10.
Trusova, A. D. - Twelve rubles out of one. p. 11.
Savzdarg, V. - Is this the work for a specialist. p. 12.
Derevenchuk, IU. I. - More on packing preparations. p. 12.
Nemilenko, F. E., Sidenko, I. E. - Cultivation practices and corn diseases. p. 13.
Timofeeva, I. V. - Controlling Phytophthora. p. 15.
Rafal'skii, A. K. - Lima-bean pod borer in the southern Ukraine. p. 16.
Khramtsov, L. I., Lapchenkov, G. IA. - Chemical weeding in corn and millet fields. p. 17.
Kamenkova, K. V. - Trichogramma against the cutworm Agrotus segetum. p. 18.
Krizhovskii, L. T. - Resuming work. p. 19.
Zolikman, Kh. N. - Estimating the dimensions of droplets. p. 20.
Bookshelf. p. 21.
Berezovskii, M. IA., G. K. - Aerosol generator in small volume sprinkling. p. 22.
Prokopenko, S. F. - Small volume blower-type spraying of field crops. p. 25.
Filitsin, V. V. - The ONK-B sprayer-duster. p. 28.
Sanin, V. A. - Controlling Bruchus in the field. p. 30.
Popkova, K. V., Nikulina, N. K. - Controlling Phytophthora. p. 31.
Vodolagin, V. D. - Mustard pests. p. 33.
Sannikov, O. P. - Effective life of herbicides. p. 34.
Korchagin, V. N. - Summer work in orchards and berry patches. p. 36.
Fraikin, A. B. - Poisonous chemicals for collective farm orchards and private plots. p. 36.
Ruzinov, P. G. - Controlling dodder in gardens. p. 38.
Meshcheriakova, I. V. - Strawberry gray mold. p. 39.
Il'inskaia, M. I., and others. - Questions and answers. p. 39.
Bondarenko, N. V. - Mites on fruits. p. 41.
Litvinov, P. I., Korotkova, P. I. - Let us bar the way to Phylloxera. p. 43.
Iliushchenko, V. N. - Fumigation in railroad cars. p. 44.
Kiriukhina, R. I., Akhmedov, D. A., B'iadovskii, T. S. - Zineb against the Peronospora infection of tobacco. p. 45.
Bogush, P. P. - Parasite of the Colorado beetle. p. 46.
En'kova, A. P., and others. - Brief information. pp. 46, 50.
Novozhilov, K. V. - Pesticides used in Canada. p. 47.
E. S. - In Poland. p. 49.
New preparations. p. 49.
Kazankov, A. M. - Seminar of leading agronomists. p. 54.
At the session of the All-Union Academy of Agricultural Sciences. p. 55.
Chefranova, L. I. - Symposium on the noninfectious diseases of fruit crops. p. 56.
Local news. p. 58.
Sushchinskii, E. - Too many cooks spoil the broth. p. 61.
(DNAL)

ZERNOBOBOVYE KUL'TURY [PULSE CROPS] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol 2, no. 6, 1964
(DNAL)

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Seriia tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Series in the Technological Sciences]. Erivan, vol. 17, no. 2, 1964.

Table of contents translated:

Verdiian, E. E. - Methodology for determining the accumulating capacity of the terminal sector of a gas pipeline. p. 3.
Mnatsakanian, M. G. - Transfer function of a three-phase current transformer with field excitation and inductive load. p. 11.
Kumsiashvili, G. P. - Study of the stability of regulation of thermal electric power plant blocks in composite power systems. p. 21.
Egiazarov, I. V. - Effect of the extensive composition of alluvium and the self-pavement of the bed on the motion and expenditure of alluvium. p. 29.
Shakhbazian, Sh. A. - Hydrochemical method for determining the underground runoff of spring fed rivers. p. 45.
Kanetsian, G. M. - Static and fatigue strength of reinforced concrete beams. p. 53.
Papkova, L. P., Gevorkian, Kh. O., Mchedlov-Petrosian, O. P. - Binding materials of some ancient Armenian structures. p. 61.
Saakian, M. P. - Special features of the wear of cutters as related to their characteristics. p. 67.
Gukasian, B. S. - Vibrations originating during the operation of a lathe. p. 73.
Chalabov, V. G., Malov, R. V. - Decrease in the toxicity of gases exhausted by transport machinery in the mining industry. p. 76.
Minasbekian, M. S., Sultanian, G. A. - Errors due to the thermal conductivity of thermocouple wires. p. 79.

* BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN OF INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 41, no. 12, June 1964.

GO [illegible]. Trudy [POLY- [illegible] Vol. 19, no. 1, [illegible] etallurgiia [illegible]

Table of contents translated:

Foreword. p. 3.
Tikhonov, G. F. - Investigating the growth of cast iron during repeated heating. p. 5.
Lebedev, I. V. - Phosphide eutectic in cast iron. p. 10.
Madianov, A. M., Chudner, R. V. - Investigating the weldability of steel under a layer of fusible flux. p. 14.
Apaev, B. A., Igol', D. V., Krasotskaia, S. N. - New conditions for the hardening of rapid steel. p. 17.
Abramov, V. V., and others. - Rated method of constructing diagrams for the tension of bimetals. p. 24.
Nikolaev, A. N. - Theory of metal powder pressing and rolling. p. 33.
Tikhonov, G. F., Sivov, A. V., Pyrlatov, L. A. - [illegible]
[illegible]

GORKIY. PROEKTNYI, TEKHNOLOGICHESKII I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [DESIGN, TECHNOLOGICAL, AND RESEARCH INSTITUTE. Transactions]. No. 2, 1963.

Table of contents translated:

Gil'man, A. - Preface. p. 3.
Panov, V. D., Simonov, P. V., Vul'fovich, E. A - Coding system for the drawings of machine parts shaped as bodies of revolution. p. 11
Boliakova, L. B. - Coding information for machine-part drawings. p. 29.
Korsakov, V. F., Aranson, S. Kh., Burmistrova, N. M. - Numerical method for solving a system of two finite equations applied to the problems of technological design using an electronic computer. p. 51.
Lipatov, D. K - Establishing a universal algorithm for designing the technology of machining on lathes. p. 65.
Gerasimova, N. V., and others. - Programming for the automation of technological designing p. 94.
Klushin, M. I. - Algorithm for calculating forces and speeds of cutting. p. 112.
Matiaeva, L. K. - Results of the verification of new formulas for calculating speeds and forces of cutting using electronic computers. p 153.
Aranson, S. Kh., Korsakov, V. F., Avdeeva, V. V. - Calculating parameters of a ship hull using an electronic computer for building technological patterns without lofting p. 165.
Ioffe, P. D - Completion of traction calculations for electric locomotives with an electronic computer. p. 193.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization] Moscow, vol. 25, nos. 4-5, 1964

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and TSentral'nyi Sovet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 8, nos. 6-7, May-July 1964.

*IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES] Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no. 4, Apr 1964.

No. 4, Apr. 1964.

Table of contents translated:

Ivlev, A. I. - Intensification of agricultural production and our objectives. p. 3.
Arapov, P. P., Sirotin, M. A. - Pavilion "Standards of the U.S.S.R." p. 6.
Kuz'min, V. V. - Develop a unified national system of standard information data. p. 11.
Shirokov, K. P. - Development of a metric system of measures and the ways to a transition to the International Units System in the U.S.S.R. p. 13.
Puchkin, B. I. - Bionics and measurements. p. 16.
Zemel'man, M. A., Karelin, N. M., Kiparenko, V. I. - Metrological problems in automatically controlled production. p. 10.
IAkobson, B. M., Dmitriev, G. K. - Problems of measurement in centralized control and management systems. p. 21.
Boguslavskii, M. G., Kalak, L. K. - Precision in measuring lengths and angles in the manufacture of machinery. p. 26.
Zhokhovskii, M. K. - Some results of research in the field of high-pressure measurements. p. 29.
Gramenitskii, V. N., Khansuvarov, K. I. - Using the principle of unsealed piston in precision measuring instruments. p. 32.
Lassan, V. L. - Accurate measurements of the parameters of motion, impact and vibratory accelerations. p. 39.
Kirenkov, I. I. - Characteristics of the development of the radiation pyrometry. p. 42.
Studentsov, N. V., Chernysheva, N. G., Chechurina, E. N. - Accurate measurements of magnetic magnitudes in science and engineering. p. 46.
Brianskii, L. N. - Official testing of radio-measuring instruments. p. 50.
Pronenko, V. I., Frumkin, V. D. - Unity and precision of power measurements at high and superhigh frequencies. p. 61.
Neustroev, L. S., and others. - Compensatory measurements of pulse voltage. p. 53.
Krotkov, I. N. - Methods and equipment for accurate measurements of basic characteristics of dielec- [illegible]
[illegible]
Visit of Soviet metrologists to the National Bureau of Standards in the U.S.A. p. 63.

[illegible] 5, May 1964.

Table of contents translated

Ar[illegible], V.O., and others. - Fundamentals of the [illegible] national system of standard in[illegible]. p. 1.

[illegible], V.I. - [illegible] frequency transformer trans[illegible]. p. 6.

[illegible], I.G., [illegible], B.B., Erikhever, A.S. - [illegible] for measuring dimensions of [illegible]. p. [illegible]

[illegible], N.M. - Device for measuring the corrugation of a metal strip. p. 9.

[illegible], B.K. - Device for measuring the beat of cylindrical surfaces and rings. p. 10.

[illegible], I.V. - Using the method of least squares for evaluating the precision of the technological operation in active control of part [illegible]. p. [illegible]

[illegible], I.T. - [illegible] utility of the pair method for the determination of the total error of the reading of a [illegible] measuring instrument. p. 13.

[illegible], B.A. - Increasing the reliability of instruments. p. 14.

[illegible], U.D., [illegible], V.D. - Mercury slip rings. p. 15.

[illegible], A.E. - Method for increasing the precision of [illegible] instruments. p. 16.

Karapet'ia[illegible], A.Sh. - Manometer with a strain gauge. p. 1[illegible]

[illegible], V.M. - Making hardness plates from rejected gauge blocks. p. 19.

[illegible], P.I., and others. - New platinum resistance thermometers. p. 1[illegible]

[illegible], Kramskii, IU.P. - Automatic testing of industrial thermocouples made of base metals. p. 21.

Ivrii[illegible], I.I., Ostrik, N.M., Mirovich, L.R. - Checking ratio meters used in resistance thermometers according to the instruction 158-62. p. 23.

[illegible], O.V., Sapankevich, A.P. - Circuit for the fixation of local temperature increase of a wall. p. 24.

Khinrikus, Kh.V., Kubarev, A.V. - Basic characteristics of quantum paramagnetic amplifiers. p. 25.

Shevchenko, G.I. - Magnetic anisotropic transducers with compensatory winding. p. 29.

Kulikovskii, I.F., Grigor'ev, A.S., Grigorovskii, B.K. - Photocompensating electrometers. p. 31.

Lifshits, E.S. - Methods for measuring the quality factor ratio (or resistance ratio) of inductance coils at sonic frequencies. p. 34.

Gog[illegible]itsyn, [illegible] - Measurement of the sequence of high-voltage square pulses. p. 38.

Podd'iakov, V.P. - Adjustable electronic current stabilizer. p. 41.

Verbenko, E.G. - Supply of the operating circuit of a potentiometer from an a.c. network. p. 43.

Timofeeva, Z.A., Birun, N.A. - Platinum-silver alloys used in the manufacture of electric instruments. p. 44.

Orlov, V.G. - Absolute calibration of ponderomotive wattmeters with losses. p. 46.

Smagin, A.G., Vizen, F.L. - Quartz bars of $X_{90°}$, y-cut for underground oscillators. p. 48.

Malkova, E.M., Radovskaia, T.L. - Determining minor concentrations of hydrogen sulfide in graduating industrial eudiometers for hydrogen sulfide. p. 50.

Tiutikova, M.I., [illegible]olts, M.D. - Glass alcoholmeter with weights. p. 52.

Vinogradov, A.F., Rybak, S.P., Shibanova, M.D. - Electronic recording unit for continuous measurement of the alpha radiation of radioactive gases. p. 53.

Ivanov, A.G., Ivantsov, A.I., Rostovykh, A.IA. - Measurement of angles in the manufacture of machinery' by V.IA. Eidinov. p. 56.

Measures and measuring instruments approved by the committee on the basis of results of their official testing and permitted to be used in the U.S.S.R. p. 57

Liaiko, V.F. - From the history of the effort of *the Communist Party of the Soviet* Union to increase labor productivity during the years of the Great Patriotic War, 1941-1945. p. 135.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY] Issued by Gosudarstvennyi komitet Soveta Ministrov Latviiskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Latvian S.S.R. for the Coordination of Research] and others. Riga, no. 6(47), June 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia B Tekhnika [NEW FOREIGN BOOKS. Series B: Technology] Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 8, nos. 6-7, June-July 1964.

PMTF, zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. *Moscow*, no. 6, *Nov* -Dec. 1963.

Table of contents translated:

Chekmarev, I.B., Shakhnov, I.I. - Helical motion of a conducting gas between coaxial permeable cylinders in the presence of a longitudinal electric field. p. 3.

IAkubenko, A.E. - Some problems involving motion of a conducting fluid in a plane channel. p. 7.

Baranov, B.N., Pavlotskii, I.P. - Self-consistent potential of a dense low-temperature plasma. p. 13.

Raizer, IU.P. - Retardation of and energy transformations in a plasma expanding in a vacuum in the presence of a magnetic field. p. 19.

Zaslavskii, G.M., Moiseev, *S.S.*, *Oraevskii, V.N.* - Turbulent diffusion of a slightly ionized magnetized plasma. p. 29.

Karpman, V.I. - Theory of a turbulent plasma in a magnetic field. p. 34.

Prokof'ev, V.A. - *Damping* of weak waves in a radiating gas.

Zaslavskii, B.I. - Reflection *of* a spherical shock wave from a free surface. p. 50.

Zaidel', R.M., Zel'dovich, IA.B. - One-dimensional instability and damping of a detonation. p. 59.

Pukhnachev, V.V. - Stability of a Chapman - Jouguet *detonation. p. 66.*

Librovich, V.B. - Ignition of gunpowders and others *explosives. p. 74.*

Kliachko, L.A., Kudriavtsev, A.V. - Burning of drops of fuel in a heated air flow. p. 80.

Pereversev, A.K. - Some problems involving waves in an ideal liquid with elastic boundaries. p. 87.

Kuznetsov, A.V. - *Flow* of a weightless fluid with a free boundary past a plate. p. 94.

Cherepanov, G.P. - Stagnant zones in front of a moving body. p. 100.

Shugaev, F.V. - Interaction between a supersonic *flow and* an obstacle. p. 101.

Borodin, V.P., Voitsekhovskii, B.V., Mikhailov, V.V. - Use of the tensometric method in measuring high-speed, high-pressure pulsewise jets. p. 104.

Zimin, E.P. - Flow of an electrically conductive *fluid* in a plane hydrodynamic channel. p. 108.

Fadeenko, IU.I. - Propulsion of a sphere by the detonation *of* a plane explosive layer. p. 113.

Beliaev, A.F., Lukashenia, G.V. - *Effective* deflagration temperature of certain explosives. p. 114.

Bakhman, N.N. - Note concerning the effect of a condensed residue on the dependence of the rate of burning on pressure. p. 120.

Prokof'ev, O.N. - Turbulent diffusion problem for an instantaneous admixture. p. 122.

Leonas, V.B. - Energy exchange in collisions of hard-walled particles. p. 124.

Babkin, V.S., Kozachenko, L.S., Kuznetsov, I.L. - *Use of the* constant-volume bomb technique in measuring flame velocity. p. 128.

Dremin, A.N., Koldunov, S.A., Shvedov, K.K. - *Initiation of detonation* by a shock wave in molten trotyl. p. 131.

Kamenev, I.V., Pogosian, V.A. - Diffusion theory of moving *striae. p. 134.*

Soloukhin, R.I. - Some data on the nonequilibrium state of carbon dioxide behind the shock wave front. p. 138.

IAkovlev, V.I. - Interaction between an expanding plasma filament and an external magnetic field. p. 141.

Kurtmullaev, R.Kh., Nesterikhin, IU.E., Ponomarenko, A.G. - Raleigh - Taylor instability in a conical plasma accelerator. p. 144.

Liubimov, G.A. - Near-the-electrode layers of changes in the potential when a weak current is sent through an ionized gas. p. 146.

Smoliakov, V.IA. - Some characteristics of the burning of an electric arc in a d-c *plasmatron. p. 146.*

Solov'ev, A.N. - Electric conductivity and specific volume of liquid metals. p. 153.

Druker, I.G. - Deposition of readily soluble salts on the walls of steam generating pipes. p. 157.

Sorokin, IU.L. - Stability conditions of certain modes of gas-liquid mixtures in vertical pipes. p. 160.

Malenkov, I.G. - Critical phenomena in bubbling and boiling processes. p. 166.

Zarubin, V.S. - Temperature state of a thin spherical shell. p. 169.

Mikhailov, M.D. - Heating of a two-layer plate. p. 173.

Shestopal, O.IA., Shurin, IA.I. - Experimental determination of pressure distribution in a thin circular plate compressed between two plane anvils. p. 174.

Bryzgalin, G.I. - Description of anisotropic creep of glass plastics. p. 177.

Pashkov, P.O. - Spontaneous fracture in the deformation of solid bodies. p. 182.

Dolbin, N.I. - Remarks on N.I. Dolbin's paper: "Propagation of elastic surface waves in a half-space situated in a magnetic field." p. 185.

Author index for 1963. p. 186.

REFERATIVNYI ZHURNAL: METROLOGIIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MENSURATION AND MEASUREMENT TECHNIQUES (Separate Issue 32)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 196[illegible]

REFERATIVNYI ZHURNAL: NAUCHNAIA I TEKHNICHESKAIA INFORMATSIIA (Otdel'nyi vypusk 59) [JOURNAL OF ABSTRACTS: SCIENTIFIC AND TECHNICAL INFORMATION (Separate Issue 59)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1964.

TALLINN. POLUTEHNILINE INSTITUUT. Toimetised Seriia A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies] Nos. 205-208, 1963.

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 32, no. 6, 1964.

WHITE RUSSIA. Ministerstvo stroitel'stva. Listok ratsionalizatora i izobretatelia [Ministry for Construction. Leaflet for the Innovator and the Inventor] Minsk, nos. 3-4, 6-7, 1962.

b. AERONAUTICS

AVIATSIIA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS]. Moscow, vol. 46, no. 5, May 1964.

Vol. 46, no. 5, May 1964.

Table of contents translated:

Augmenting the traditions of victors. p. 2.

Bezborodov, G. - In close business contact. p. 7.

Shinkarenko, F. - Conducting flights, means.... p. 1[illegible]

Antiukhin, N. - Steering and take-off. p. 17.

Tarasov, V. - Landing on ground. p. 22.

Kirpichev, IU. - On a dusty airfield. p. 26.

Kon'kov, N. - Troubles of engineers and technicians. p. 29.

Batalov, R., Musatov, G. - Bomber is above the target. p. 34.

Kolodnikov, V., Golubkov, V. - Co-pilots should have a potentiality for development. p. 38.

Arbuzov, A. - About my friend technician Khramov. p. 41.

Beda, P. - Methods of instrument checking. Part I: *Checking* by means of eddy currents. p. 45.

Zholkover, T., Petrov, I., Poliukov, N. - Periodicity of operational testing. p. 49.

Bantle, O. - Microminiaturization is put in operation. p. 52.

Pavlenko, V. - Vertically rising airplane; peculiarities of flight characteristics of vertically rising airplanes. p. 58.

Vazhin, F. - On the spaceship "Vostok." p. 63.

Petrov, G. - Planet radar. p. 71.

Listvin, N. - Orientation of a spaceship flying toward the moon. p. 80.

Zal'tsman, L. - Regulation of atmospheric temperature. p. 86.

Beliaev, V. - Without leaving the battle course. p. 90.

Vol. 47, no. 6, June 1964.

Table of contents translated:

Vershinin, K. - Introduce all advanced innovations efficiently. p. 2.

Mironov, S. - They are our beacons. p. 7.

Sukhorukov, E. - At the control panel is an air force pilot of the first class. p.10.
Babich, A. - I see the target and I attack. p. 13.
Lobov, V. - Kropachev trains a young pilot. p.17.
Vialikov, N. - Flight instructor and student. p. 21.
Vazhin, F. - Commander of an outstanding flight formation is speaking. p. 24.
Kardail'skii, A. - The group gains altitude. p. 31.
Khorobrykh, A. - Trail in the sky. p. 33.
Piskunov, M. - Those who lagged went ahead. p. 37.
Zemlianskii, D. - Confidence inspires. p. 39.
Kozlov, A. - Yesterday it was good, today it is better. p. 43.
Mel'nikov, P. - Only excellent marks. p. 48.
Sosnovskii, G. - Restless office. p. 51.
Garsevanishvili, F. - Commander and technical staff. p. 53.
Bykovskii, V., Nikolaeva-Tereshkova, V. - A year on terrestrial orbits. p. 57.
Substitutes remain on earth. p. 63.
Kochkurov, A. - The second life of a heroic deed. p. 66.
Kozlov, V., Makienko, V., Khmeliuk, V. - Passive retransmitters. p. 68.
Skomorokhov, N. - Authority is gained by work. p.72.
Kovalev, V., Skiianskii, F. - Longitudinal stability and maneuverability in sonic speed range. p. 76.
Kalashnikov, S. - Methods of instrument checking. Part 2:Color defectoscopy. p. 85.
Litvinov, N. - Ascent altitude of a radioactive cloud. p. 94.

Vol. 47, no. 7, July 1964.
Table of contents translated:
Creation of the party, wings of the fatherland. p. 2.
Pyshnov, V. - Looking into the tomorrow of aeronautics. p. 6.
Pavlov, E. - Hypersonic aircraft. p. 10.
Rozhkov, E. - Into space from an airplane. p. 15.
Seleznev, V. - Development of control and navigation systems. p. 18.
Bodner, V. - Self-adjusting automatic pilots. p. 26.
Pokrovskii, G. - Looking into the far future. p. 31.
Tiukhtiaev, V. - And the power of weapons will be increased tenfold. p. 35.
Ivlev, S. - Tactical analysis of flights. p. 41.
Eletskikh, G. - Aerial reconnaissance in twilight. p. 46.
Astakhov, S. - Flight and its evaluation. p. 51.
Khalutin, A., Kalnin, A. - Link trainer and an airplane. p. 55.
Rivkin, B. - Students get winged. p. 60.
Kovalev, V., Skliianskii, F. - Piloting in recovering at high incidence. p. 67.
Ushakov, N. - Airplanes will be ready for training. p. 75.
Dudko, A. - Operating a control radio station on a helicopter. p. 79.
Pokryshkin, A. - Sky of war (to be continued). p. 84.
Listvin, N. - Experimental specimen, projects. p. 90.

REFERATIVNYI ZHURNAL· VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR (Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.). Moscow, no. 7, July 1964. [This journal is also issued in parts.]

c. CHEMICAL TECHNOLOGY

GAZOVAIA PROMYSHLENNOST' [GAS INDUSTRY]. Organ of Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Production Committee for the Gas Industry of the U.S.S.R.]. and others. Leningrad, vol. 7, no. 4, 1962.
Table of contents translated:
Vorob'ev, B.S., Pochueva, E.A. - Geological conditions governing the manner of the occurrence of gas in the Shebelinka gas field. p. 1.
Bulatov, A.I., Karamanov, I.A. - Cements of reduced specific weight for cementing deep high-temperature wells. p. 6.
Kachalov, O.B. - Temperature distribution along a gas well bore. p. 11.
Kagan, S.Z., and others. - Testing an experimental commercial rotary-disk extractor for dephenolizing tar waters. p. 13.
Ershov, L.V., Zalmanzon, IA.S. - Design of a gas burner for heating boilers. p. 18.
Traianov, G.G., Pakhaluev, K.M., Blokhin, E.P. - Test characteristics of certain burners for the combustion of natural gas. p. 23.
Piatyshkin, N.M., Liakh, A.A. - Testing a water heater with an improved gas burner and with a radiator insert. p. 26.
Chernov, D.L. - Hydraulic calculation of annular gas networks on a d.c. electric model. p. 30.
Lavlinskii, A.F. - Using a safety stop valve as a blocking valve in boiler units. p. 35.
Karpov, A.K., and others. - Device for the continuous determination of the moisture content of natural gases. p. 37.
Ter-Oganesian, R.R. - Constant monitoring of the insulation of underground gas mains. p. 43.
Gorodetskii, V.I., Pechenikov, R.IA., Rabicheva, S.G. - Optimal parameters of multiple gas pipelines. p. 48.
Magaril, R.Z., Aksenova, E.I., Terekhova, R P. - Transformation of sulfur compounds with the formation of carbon on a carbon surface p. 50.
Foreign technology. p 54
Brief news. p. 56.

Vol. 7, no. 12, 1962.
Table of contents translated:
Brents, A.D. - Economics in the development of the gas industry. p. 1.
Kuznetsov, IU.A. - Determining the optimal structure for the power balance using electronic computers. p. 5.
Levin, I B - Economic efficiency in the use of gas in cities of the White Russian Soviet Socialist Republic p. 13.
Lavrov, N.V., and others - Using gas as fuel in the transport industry in the Central Asian Economic Region. p. 15.
Shengeliia, P.G., Khachaturian, R.A. - Controlling the seasonal imbalance in gas consumption in the Georgian Soviet Socialist Republic. p. 20.
Smirnov, V.A., and others. - Certain contradictions in the planning of gas supply systems p. 23
Birman, A.M., Ulitskii, L.I. - Certain features of return mechanisms in gas pipelines. p 26.
Gofman, K.G. - Improving wholesale commercial prices for gas. p 30.
Chernovol, V.S. - Improving the technical and economic indices in gas pipeline control in Kiev. p. 35.
Erofeev, N.S., Furman, I.IA. - Economic indices in the underground storage of gas in water-bearing reservoirs. p. 38.
Revzin, B.S. - Comparative features of twin- and single-shaft gas-turbine units to drive pumps in compressor stations. p. 43.
Samoilovich, B.I. - Effect of automation and remote control on the reduction of the cost of gas transportation. p. 49.
Nechaev, M.A. - Designs for gas distribution and compressor stations. p. 51.
Brief news. p. 53.

Vol. 8, no. 1, 1963.
Table of contents translated.
Kortunov, A.K. - Gas industry on the threshold of 1963. p. 1.
Berezhnoi, A.I., Kulagin, P.G. - Circulation fluid for drilling in producing reservoirs in gas fields. p. 4.
Lapuk, B.B., Vladimirov, L.A. - Nonstationary gas flow to well lines. p. 8.
Negreev, V.F., and others. - Corrosion of the equipment used in gas condensate fields. p. 14.
Zaglodin, L.S., Nemirovskii, A.N. - Producing city gas from Brazilian shale. p. 18.
Papiev, I.G. - Prospects for the development of the production of gas in Armenia. p. 22.
Karlagin, N.P. - Heat test of steam boilers operating on gas fuel. p. 25.
Shorin, S.N., Chipashvili, O.N. - Calculating heat exchange in cooled gas combustion chambers. p. 29.
D'iakonov, A.E. - Calculating hearth burners operating without blast. p. 35.
Shmonin, A.A. - Controlling temperature in gas furnaces; exchange of experience. p. 37.
Kozlov, G.I., Knorre, V.G. - Laws governing the formation of acetylene in the thermal separation of methane. p. 38.
Aleksandrov, A.V., Dobrokhotov, V.D. - Evaluating the efficiency of the operation of the compressor stations of gas pipelines. p. 40.
Krivoshein, B.L., Khodanovich, I.E. - Determining the integral throttle effect of natural gas. p. 47.
TSvetkov, D.A. - Plans for supplying liquefied gas to large residential areas. p. 52.
Brief news. p. 54.

Vol. 8, no. 3, 1963.
Table of contents translated:
Zerchaninov, I.K. - Determining the saturation of gases dissolved in reservoir waters. p. 1.
Gatsulaev, S.S. - Stationary inflow of real gas to the well bottom. p. 5.
Trivus, N.A., Shal'miev, Sh.Kh. - Calibrating KhT-2M gas analyzers for one component. p. 9.
Musin, I.T., Kaniukov, R.Z. - Complications in the exploitation of gas wells and their control. p. 14.
Tyshliar, I.S. - Gas equipment of ring kilns for firing bricks. p. 16.
Kalachev, IU.A. - Effect of the design of nozzles on the heating rate and the economy of propane-oxygen cutting. p. 19.
Bromberg, B.Z., Orlov, IA.B., Miakotkin, IU.I. - PGS sectional gas stove. p. 22.
Rabinovich, M.I., and others. - Gas stove with outlet of combustion products into a flue. p. 26.
Vigdorchik, D.IA., Ivanov, V.P., Ponomarev, V.G. - RDV single-valve pressure regulators. p. 29.
Zolotov, I.G. - Testing unit for checking gas meters with parallel nozzles. p. 30.
Bergo, B.G., Monko, IA.D., Platonov, V.M. - Calculating and investigating multicomponent absorption on a computer. p. 33.
Gribov, N.G. - Open unit for the equipment of compressor units. p. 38.
Korniets, A.N. - Starting and self-starting of the AF3-4500-1500 electric engine with a shortened rotor. p. 40.
Furman, I.IA. - Calculating the effect of gas-consumption conditions in the design of gas pipelines. p.42.
Gas resources and gas production in the capitalist countries. p. 46.
Brief news. p. 52.
Bibliography. p. 55.

GIDROLIZNAIA I LESOKHIMICHESKAIA PROMYSHLENNOST' [HYDROLYSIS AND WOOD CHEMISTRY INDUSTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries]. Moscow, vol. 17, no. 4, 1964.
Table of contents translated:
Shutov, A.F. - Speeding up the construction of experimental sections and machines. p. 1.
Pokrovskii, V.K. - Determination of oxygen and air consumption and of the basic parameters of fermentors and the estimation of aerators in the process of subsurface cultivation of aerobic microorganisms. p. 3.
Olovenikov, G.B. - Improving the technology and organization of tree tapping. p. 6.
Norina, A.E., Rozhdestvenskaia, O.A., Bychkova, N.A. - Utilization of the head fractions of hydrolyzates for the cultivation of yeasts. p. 8.
Shoshina, V.S. - Improving the quality of hydrolyzates for yeast production. p. 12.
Pelsis, D.IA. - Cultivation of yeasts using the neutralization of spent sulfite liquor by ammonia water. p. 14.
TSiparis, I.N., and others. - Extractive rectification of raw acetic acid using sodium acetate. p. 16.
Bel'kova, E.A. - Precipitation of suspended and colloidal substances from neutralizates by means of polyacrylamide. p. 20.
Zaitsev, I.L., Osipova, E.V. - Briquetting of coal fines at the UBM-M plant. p. 20.
Kolosko, G.S. - Sharpener for enveloping hacks. p. 22.
Kozlov, A.I., Parmenova, I.V. - Economics and prospects for the production of lignin coal. p. 23.
Dolbnin, A.V. - Developing the production of fodder yeasts. p. 24.
Chetverikov, D.I., Plekhanova, E.A. - Technology of the preparation of raw wood tar for processing. p. 25.
Much interest aroused by problems of the furfurole production. p. 28.
Lozhkova, K.V. - Thirty-sixth Session of the Scientific Council of the Central Wood-Chemical Scientific Research Institute. p. 30.
Kamenkovich, M.IU., Slutskin, R.L. - Industry of wood chemical products in the U.S.A. p. 31.
From scientific and technical journals. p. 3 of insert.

* KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR and Vsesoiuznoe khimicheskoe obshchestvo imeni D. I. Mendeleeva [State Committee of the U.S.S.R., and the D. I. Mendeleev All-Union Chemical Society]. Moscow, vol. 23, no. 4, Apr. 1964.
Table of contents translated:
Radchenko, I.I., and others. - Improvement of the production of butadiene-methylstyrene (styrene) rubbers. p. 1.
Gorlova, G.I., and others. - Filled films made from carboxylate latex. p. 7.
Buiko, G.N., Pruzhanskaia, N.A. - Effect of the type of carbon black on the vulcanization kinetics and the structure of vulcanizates. p. 10.
Ronkin, G.M., Levitin, I.A., Shvarts, A.G. - Effect of various ingredients of resin mixtures on the vulcanization of rubbers with alkyl phenol formaldehyde resins. p. 15.
Gorelik, B.M., Fel'dman, G.I. - Failure of rubber packing rings of circular cross section under the effect of stresses. p. 19.

[illegible] V.I., [illegible], V.A. - Balanced location [illegible] force in a carcass of a pressure [illegible] p.22.

[illegible], I.D. - Testing pneumatic tires for rolling wear resistance. p.27.

[illegible], I.M., Sergeeva, V.A. - Further improvement [illegible] shape revulcanizers for tire casings. p.32.

[illegible], B., and others. - New standard for planning the production of foam rubber goods. p.36.

[illegible], V.N., Nikulina, L.P. - Investigating the [illegible] of electrization in a fiber during spreading. p.42.

[illegible], M.G. - Improvement of the mechanized process of [illegible] varnishing. p.46.

[illegible], M S., Prisler, M.D. - Attachment to the MRS-2 type machine for testing the dynamic [illegible] of adhesion of a single cord thread to rubber. p.49.

[illegible], G.A. - Problems of raw materials for the rubber industry. p.50.

[illegible] science and technology abroad. p.52.

[illegible]skaia, F.I - Foreign industrial polymeric materials and their components. p.57.

Baran[illegible], V.A. - Latest Soviet and foreign literature on polymeric materials and their uses. p.57.

Articles on crude and vulcanized rubber published in the second half of 1963. p.59.

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL INDUSTRIES] Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U S S R.] Moscow, no. 4, Apr. 1964

Table of contents translated:

Mukhlenov, I P, Traber, D G. - Mechanically resistant iron catalyst for the oxidation of sulfur dioxide p 241

Kot, A, and others. - Production of urea based on carbon monoxide p 244

[illegible], N A, *Melgol'd, L B, Orel, M A.* - Concentration of Central Asian phosphorites p 249

Angelov, A I, Borisov, V.M. - Electrostatic concentration of *phosphorite ores. p. 251.*

Amrom, L A., Blagodarev, L V., Feigin, M.V. - Large resources of raw materials for iodine production p 258

Ksenzenko, V I, Erofeeva, K.A. - Kinetics of the chemisorption of bromine by reducing absorbers. p 260

Goria, IU A, and others. - Development of the process of the gas phase hydration of acetylene to acetaldehyde on nonmercury catalysts. p. 265.

Sobolev, V M., and others. - Separation of isobutylene from isobutylsulfuric acid by hydrocarbons without diluting acid with water. p. 268.

Taranenko, A S., Belousova, A. G. - Improvement of the technology of preparation of di-β-naphthyl-p-phenylenediamine. p. 272.

IAkushkin, M.I., Bochkova, V. P - Synthesis of dinitriles of azelaic and sebacic acids. p. 273.

Kogarko, S. M., Liamin, A. G., Mikhailov, V. A. - Performance of scrubbers with a packing used as flame-intercepting device in acetylene pipes. p 275

Basov, V A, *Melik-Akhnazarov, T Kh.*, Orochko, D.I. - Intensification of the oxidizing regeneration of aluminosilicate catalysts in a fluidized bed. p 282

Sarukhanov, A V, *Planovskii, A. N. - Hydrodynamics* and mass transfer in the liquid phase on sieve plates p 289.

Kutepov, A. M. - Design of cyclone-type separators. p 295

Shapirshtein, IA A., Pustovit, V. T - Safety measures in the manufacture of caustic soda by the mercury electrolysis method. p 299.

Petrachkov, F A., Zhigulina, N S., Gol'manova, T T - Elimination of vapors of mercury and its compounds in the purification of air and exhaust gases p. 301.

Tashchilova, L. P. - Use of epoxide resins in the manufacture of impregnated graphite. p 303.

Mangalin, E. G. - Transfer of hot bitolylmethane. p. 304.

Radchenko, V. S., Poletuev, A. I., Iudin, A. M. - Grinding of zinc phosphide with additions of petroleum coke. p. 307.

Khitrov, V. A., and others. - Utilization of the waste products of the synthetic rubber manufacture as inhibitors of acid corrosion. p. 307.

Naumenko, M. F. - N. V. Delektorskii's "Organization and planning of labor and wages of chemical enterprises." p. 310.

New books for workers of the chemical industry. p. 311.

To be published by the "Nauka" publishing house. p. 313.

* KHIMICHESKOE MASHINOSTROENIE [CHEMICAL MACHINERY MANUFACTURE]. Organ of Gosudarstvennyi komitet khimicheskogo i neftianogo mashinostroeniia pri Gosplane SSSR [State Committee of the Chemical and Petroleum Machinery Manufacture, Attached to the State Planning Committee of the U S S R]. Moscow, no 1, Jan.-Feb 1963.

Table of contents translated:

Let's put into practice the resolutions of the November Plenum of the Central Committee of the CPSU. p. 1.

Mazo, M. D. - Equipment modernization is an important means for increasing the output of chemical production. p. 3.

Andreev, I. L., Danilov, B. A. - New design of the coil type heat exchanger apparatus. p. 5.

Lastovtsev, A. N., Khval'nov, A. M., Makarov, IU. I. - Blenders for free flowing materials. p. 7.

Gruznov, G. F. - Hydraulic turning device. p. 9.

Mishchenko, M. P. - New centrifugal blowers for air and gases. p. 12.

Vasil'ev, M. M. - Analyzing the separation of suspensions in the type NOGSh type centrifuge with a plate *package. p. 14.*

Todes, O. M., Reznikovich, K. I. - Distribution of the solid phase concentration in pneumatic transportation with a continuous layer. p. 18.

Freitag, V. A. - Studying the carrying capacity of cylindrical shells and improving the methodology for their design. p. 20.

Shapiro, M. B., Belinkii, A. L., Moskvin, N. I. - Prospects of the development and introduction of the new types of steel in the manufacture of chemical machinery. p. 26.

Pavliuk, S. K., Tuchinskii, F. M. - Welding of chemical apparatus made from titanium. p. 32.

Zigmund, F. F., Vachagin, K. D. - Studying the characteristics of thermoplastic coatings. p. 34.

Ivanov, N. M. - Device for *measuring gas leakage* through seals. p. 37.

Kozodaev, P. A. - Substituting cylindrical condensers for lense condensers. p. 38.

Smagina, I. G. - Destruction of slime pipe coolers by thermal fatigue. p. 38.

Rudoi, B. L. - Treatment of glass fibers for the manufacture of glass plastics. p. 39.

Vertebnyi, IU. P. - Worm devulcanizer "320." p. 41.

Selecting corrosion-resistant materials for the fittings of apparatus handling sulfuric acid [from the materials of the Langley Alloys Limited (Great Britain) *Company*]. p. 42.

New machinery, apparatus and instruments. p. 43.

Patents. p. 46.

Finkel'shtein, G. A. - New book on centrifuges. p. 47.

Bibliography. p. 48.

KHIMICHNA PROMYSLOVIST' [CHEMICAL INDUSTRIES]. Issued by Instytut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordinatsii naukovo-doslidnykh robit and Ukrains'ke respublikans'ke pravlinnia *Vsesoiuznoho khimichnoho* tovarystva im. D. I. Mendelieieva [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S. S. R. for the Coordination of Research and *the Ukrainian Republic* Administration of the D. I. Mendeleev All-Union Chemical Society]. Kiev, no. 1, Jan.-Mar. 1963.

Table of contents translated:

Chemical industry of the Ukrainian S. S. R. during the fifth year of the seven-year plan. p. 3.

Kruhlov, B. I., Mykhal'ova, E. F. - Concentration and purification of expansion gases with magnesium ores. p. 5.

Mezhykovs'kyi, S. M. - Effect of the formula of the rubber compound on the mechanical strength of stamped seams. p. 8.

Shcherbak, B. I. - Efficiency of the new preparations in the control of the brown fruit tick. p. 11.

Hordienko, S. A. - Urea-formaldehyde condensates as a new type of fertilizers. p. 13.

IAnchivs'kyi, V. A., Kornev, K. A., Hrekov, A. P. - Production of high-purity caprolactam. p. 16.

Karpukhin, P. P., Levchenko, O. I. - Production of 2-hydroxycarbazole. p. 18.

Stezhens'kyi, O. I., Zagorovs'kyi, O. O. - High-temperature oxidation of nitrogen by oxygen. *p. 20.*

Dalmats'ka, E. I., Zelikin, M. B. - Preparation of granulated active aluminum oxide. p. 24.

Moshchins'ka, N. K., Potievs'ka, S. A. - *Resins* based on urea and furfural. p. 28.

Blokh, G. A., Melamed, Ch. L. - Accelerators for the cold vulcanization of rubber. p. 30.

Holovanov, M. H., Borisohlebs'kyi, V. V., Kuz'menko, E. A. - Use of resins obtained from the bitumen of *brown coals. p. 34.*

Zeliznyi, A. M., Zelizna, S. T. - Various methods for the production of ethylene. p. 37.

Konshin, M. P., Bezhudova, Zh. I., Stepanova, O. S. - Effect of temperature on the content of three dimensional structures in glyptal resins. p. 41.

Proshkin, A. A., Denisiako, V. I., D[illegible], B. P. - Preparation of acetic acid by the oxidation of hydrocarbons. p. 43.

Vinarov, I. V., Khromova, N. B. - Method for the production of reaction-pure hafnium salts. p. 45.

Hrubov, V. I. - Use of digital computers in the production of soda. p. 47.

Bilenko, M. I., and others. - Type GIP3-L1 and [illegible]-L2 infrared absorption gas analyzers. p. 51.

Matiakh, R. P., Vdovichenko, V. T., Isaenko, [illegible] - Calculating the multiplicity factor of the recirculation of the products of reaction in the deep thermal chlorination of methane. p. 54.

TSeitlin, A. N. - Selecting the parameters of the automatic control of tower systems for the production of sulfuric acid. p. 60.

Kornev, K. A., and others. - Using ultraviolet spectroscopy for the investigation of the photo[illegible] disintegration of polycaprolactam. p. 63.

Shvaika, O. P., Konovchuk, M. S., Protsenko, [illegible] - Automatic control of the nitrosation of phenyl[illegible]ylamine in the production of Cupferron. p. 67.

Shvartsman, V. IA. - Apparatus for mixing samples for the spectral analysis. p. 68.

Nesterov, A. E., Voitsekhivs'kyi, R. V. - Analysis of three-component solvent mixtures. p. 69.

Chernoba, L. H. - Economic efficiency of capital investments in the expansion of the mineral fertilizer industry in the Ukrainian S. S. R. p. 73

Vasil'ev, N. N., Kozlovs'kyi, I. D., Vasil'ev, M. M. - New types of Lugansk nitro-linoleum. p. 76.

Kushnir, M. M. - New method for the production of sodium permanganate. p. 70.

Vlasov, P. V. - New method for rubber coating of *gas faucets. p. 79.*

Antukhin, B. M., Derev'ianko, R. Sh. - Use of furfuramide in plant growing. p. 82.

Shtepan, IA. H. - Technological progress and the new International Unit System. p. 83.

Saulova, L. V., Bozusiak, IU. I. - Automatic control system for the mercerization process developed by the Curtolds Company. p. 87.

Petroleum chemicals industry of Western Europe. p. 89.

Basic trends in the development of the chemical industries in the countries of Western Europe. p. 93.

New trends in the construction of plants for the synthesis of ammonium in the United States. p. 94.

Chemicals and fertilizers in the United States. p. [illegible]

KHIMIIA I TEKHNOLOGIIA POLIMEROV; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS, Translations and Surveys from Foreign Periodical Literature]. Moscow, no. 7, 1964.

* KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL.] Issued by Gosudarstvennyi komitet neftepererabatyvaiushchei i neftekhimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Petroleum Refining and Petrochemical Industry, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, vol. 7, no. 10, Oct. 1962.

Table of contents translated:

Solomakhin, G. P., Planovskii, A. N. - Dependence between mass transfer in the gas phase and hydraulic parameters in bubbling. p. 1.

Aerov, M. E. - Hydraulic resistance of a stationary granular bed. p. 9.

Goncharov, S. V., Zhukov, I. S. - Effect of the composition of the starting crude on the yield and quality of the component of aircraft B-95/130 fuel in catalytic cracking. p. 16.

Davydov, P. I., Bol'shakov, G. F., Globovskaia, E. A. - Investigating the effect of nitrogen bases on the stability of fuels at increased temperatures. p. 30.

Aliev, V. S., and others. - Pyrolysis of oil distillates and residues in the fluidized bed of a heat carrier. p. 27.

Krasiukov, A. F. - Selecting coking plants. p. 32.

Shergilov, N. V., and others. - Overalkalinity of kerosine-gas oil distillates. p. 36.

Feigin, S. A., Buchina, L. I. - Prospects for the production and use of gas-turbine fuels. p. 42.

Grekova, A. M., and others. - Using a hydrocyclon as a thickener for suspensions of very low concentrations. p. 46.

Semenido, E. G. - Using viscous additives to oils. p. 52.

Chertkov, IA. B., and others. - Characteristics of microcontaminants in middle-distillate fuels. p. 56.

In'kova, N. M., Makarov, P. T., Klemen'teva, N. F. - Determining the sulfur in heavy petroleum products and additives by the iodometric method. p. 60.

Barkan, A. L., Ziller, O. K. - Potentiometric method for determining the saponification number in used and recovered oils. p. 62.

Koslakin, A. R., Florov, I. F., Shepotkov, I. V. - Increasing the energy content of hydrocarbon fuels. p. 66.

Tatevosian, L. K. - Development of the oil industry in the German Democratic Republic. p. 68.
All-Union conference on the automatic control of petroleum refining processes. p. 70.
First scientific research laboratory in Russia. p. 72.

Vol. 9, no. 3, Mar. 1964.
Table of contents translated
Zel'venskii, IA. D., Titov, A. A., Shalygin, V. A. - Vapor-liquid equilibrium of some diluted solutions. p. 1.
Mel'nikova, N. P., and others. - Some regularities of the catalytic reforming process. p. 7.
Shimanskii, IU. N., Syromiatnikov, N. I. - Heat exchange between particles and dropping liquid in a fluidized bed. p. 12.
Denisenko, K. K., Mikhailov, I. A. - Group chemical composition of residual oils from sulfur-bearing crudes obtained in phenol and adsorption refining. p. 17.
Veselov, V. V., Sipeeva, Z. V. - Effect of diffusion difficulties on the course of the oxidation process of hydrocarbons in the liquid phase. p. 22.
Bernadiuk, Z. A., and others. - Industrial production of alkyl phenol additives with the use of the KU-2 cation exchanger. p. 27.
Levinter, M. Kh., Galiakbarov, M. F. - High-speed method for the production of bitumen from petroleum residues by oxidation under pressure. p. 32.
Levchenko, D. N., Nikolaeva, N. V., Khudiakova, A. D. - Use of block copolymers of propylene and ethylene oxides for the breaking of petroleum emulsions. p. 36.
Bazeev, E. T., Belokon, S. M., Kormyshev, V. V. - Utilization of Lvov-Volyn' Basin coals as fuel and source of chemicals. p. 41.
Gel'ms, I. E., Davydov, B. N. - Problems of economics in the development of the production of catalysts for the petroleum industry. p. 45.
Molokanov, IU. K., Agushevich, I. Z. - Analyzing the resistance of plates made from S-shaped elements. p. 49.
Popov, A. A. - Problems of cybernetics in the petroleum refining and petrochemicals industry. p. 52.
Fialko, M. M., Dintses, A. I. - Molten metals as high-temperature lubricants. p. 54.
Losikov, B. V., and others. - Lubricants for gas-turbine systems. p. 58.
Sanin, P. I., and others. - Studying the stability of lubricants containing antioxidants and sulfonate type additives. p. 62.
Zizin, V. G., Ivanova, T. S., Sokolova, V. I. - Chromatographic determination of the hydrocarbon composition of aromatic compounds. p. 66.
Papok, K. K. - Papers on the use of petroleum products presented at the Sixth World Petroleum Congress. p. 68.
Piniagin, N. - New developments in the production of synthetic cleaning compounds. p. 70.
Dorogochinskii, A. Z., Zhavoronkov, M. N. - Outstanding discovery (on the occasion of the sixtieth anniversary of the development by K. V. Kharichkov of the cold method for petroleum fractionation). p. 71.

Vol. 9, no. 5, May 1964.
Table of contents translated:
Velikovskii, A. S., Savvina, IA. D. - Condensate gases as a raw material for the chemical industry. p. 1.
Sredin, V. V. - Optimal service time for a reforming catalyst. p. 6.
Agafonov, A. V., and others. - Developing extraction methods for obtaining carbon black stock from catalytically cracked gas oils. p. 13.
Masagutov, R. M, and others. - Developing a process for obtaining cyclohexane of high purity. p. 17.
Vol'-Epshtein, A. B., and others. - Production and motor properties of gasolines from pyrolysis products. p. 23.
Vol'fson, I. S., Teleshova, M. N. - New oil field in the Tatar A.S.S.R. p. 29.
Kudriavtseva, N. A., Tarasov, A. I. - Chromatographic investigation of gaseous hydrocarbons dissolved in oil. p. 32.
Kruglov, E. A., Vaisberg, K. M., Abramovich, Z. I. - Investigating the individual composition of the synthetic fatty acids of petroleum paraffins. p. 36.
Krol', B. B., Rozhdestvenskaia, A. A., Kucheriavaia, N. N. - Studying the sulfur compounds in transformer oil. p. 39.
Feigin, S. A., and others. - Economics of the refining of sour crude oil; a topic for discussion. p. 44.
Adel'son, S. V., Zaitova, A. IA. - Kinetic calculation of the regenerator of a catalytic cracking unit on a bead catalyst. p. 48.
Sycheva, A. M., Egorov, N. N. - Heat transfer from a gas flow in pipes with large fittings. p. 53.
Puchkov, N. G., Reznikov, V. D. - Concentration of additives in diesel oils. p. 57.
Bezborod'ko, M. D., Solomenko, I. I. - Effect of the spraying of lubricants on their lubricating capacity. p. 61.
Saltykov, A. L., Shevelev, B. P. - Measuring the liquid-drop carry-off by a gas flow using a colorimeter. p. 65.
Uvarova, E. I., Rik, V. M. - Complexometric method for determining molybdeum in catalysts. p. 67.
Piniagin, N. B. - Economics of the isomax process. p. 69.
Babets, A. P. - Fifteenth edition of the transactions of Grozny Petroleum Scientific Research Institute. p. 71.

Vol. 9, no. 6, June 1964.
Table of contents translated:
Papok, K. K. - Efficient use of fuelds and lubricants is the most important condition for prolonging the life of engines. p. 1.
Bursuan, N. R., Volnukhina, N. K., Skorniakova, V. F. - Catalytic reforming of thermal-cracking gasolines. p. 5.
Stepanov, A. V., Stepanova, A. A. - I-T diagram of the pyrolysis of ethane and propane. p. 10.
Sycheva, A. M., Egorov, N. N. - Heat transfer from fluid flow in pipes with heavy packing. p. 14.
Dronin, A. P., and others. - Combined arrangement for the use of thermal-cracking kerosine. p. 18.
Karzhev, V. I., and others. - Separating aromatic hydrocarbons using complex compounds. p. 24.
Izotova, N. P., Mikhailov, I. A., Levinson, S. Z. - Viscous distillate lubricants from adsorption purification. p. 28.
Kuliev, A. M., and others. - Improving the quality of motor oils from Baku petroleum. p. 35.
Moskvitin, A. S., Gol'denbaum, IA. P. - Breaking petroleum trap emulsions by separation. p. 39.
Pavel, A. - Optimal bed height for stepped-reflux heat enchangers with fluidized beds. p. 40.
Losikov, B. V., and others. - Separate quantitative determination of SO_2 and SO_3 in the exhaust gases of engines. p. 44.
Lipshtein, R. A., Mikhel'son, A. IA., Shtern, E. N. - Classification of antioxidant additives to lubricants based on the nature of their action. p. 48.
Man'kovskaia, N. K., and others. - New method for separating and dividing synthetic fatty acids into fractions. p. 52.
Martynov, V. M., Kuchinskaia, N. D. - Investigating the evaporability of lubricants and greases. p. 57.
Aleksandrov, A. N., and others. - Analyzing vinyltoluene by mass-spectrometry and gas-liquid chromatography. p. 64.
Turov, IU. IA. - Petroleum chemistry in the organic-synthesis industry of France. p. 68.
Kostrin, K. V. - Book from our friends. p. 72.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

*STEKLO I KERAMIKA [GLASS AND CERAMICS]. Issued by Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 21, no. 1, Jan. 1964.
Table of contents translated:
Tasks of the glass and ceramic industries for 1964-1965. p. 1.
Kitaigorodskii, I. I., Shirkevich, T. L. - Manufacture of crystallized foam glass. p. 5.
Vilnis, K. K., Stepanenko, M. G. - Optimal depth of furnaces for dark green glass. p. 9.
Dubrovo, S. K., Skorik, IU. I. - Effect of the chemical treatment of glass surfaces on some of its properties. p. 13.
Kondrashev, F. V., Popil'skii, R. IA. - Elastic expansion, pressing of air, and effectiveness of deaeration during molding of ceramic wares. p. 17.
TSigler, V. D., Pindrik, B. E. - Porous ceramics with a high alumina content and increased gas permeability. p. 22.
Kramarenko, V. P. - Separate determination of alkalies in feldspathic raw material by the graphic method. p. 26.
Revnivtsev, V. I., Kropanev, S. I., Peskov, V. V. - Means of raising the ratio of $K_2O:Na_2O$ in feldspars. p. 28.
Prodaivoda, N. E. - Using fluorine in the manufacture of plate glass. p. 33.
Sankova, L. I., Ivanova, R. V. - Electron microscopy study of polishing powders. p. 34.
[illegible] - Efficient[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
New All-Union State Standards. p. 46.
Entelis, F. S. - Glass making in an electric furnace. p. 47.
"Foam glass." p. 47.
New books from the State Construction Publishing House. p. 49.

USPEKHI NAUCHNOI FOTOGRAFII [PROGRESS IN SCIENTIFIC PHOTOGRAPHY]. Published by Komissiia po nauchnoi fotografii i kinematografii Otdeleniia khimicheskikh nauk Akademii nauk SSSR [Commission of Scientific Photography and Motion Pictures of the Department of Chemical Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, 1962.
Table of contents translated:
Kilinskii, I. M., Vilenskii, IU. B., Iordanskii, A. N. - Increasing the sensitivity and resolving power and improving the quality of color reproduction of negative color motion-picture films. p. 3.
Vilenskii, IU. B., Iordanskii, A. N., Budarina, N. N. - Some problems of the improvement of color reproduction and sharpness of positive color films. p. 13.
Barro, M. I., and others. - Dependence of the resolving power of multilayer color films on the sequential arrangement of the layers. p. 21.
Grazianskaia, Z. I., Sidorenkova, P. T. - Effect of light diffusion in the top layer of a multilayer film on the resolving power of the underlying layer. p. 29.
Portnaia, B. S., and others. - Characteristics of the masking color components made of pyrazolin arylazo derivatives and anilides of 1, 2-hydroxynaphtoic acid. p. 35.
Lifshits, E. B., Natanson, S. V., Levkoev, I. I. - Effect of non-diffusing color components on the optical sensitization of silver halide emulsions. p. 44.
Vilenskii, IU. B., Timofeeva, R. V. - Method for investigating the diffusion of optical sensitizers in the photographic layers. p. 56.
Bogoliubskii, V. A., and others. - Investigating the nondiffusing reducing agents for multilayer color films. p. 61.
Rozental', L. V., and others. - Black anti-halation layer for color films. p. 67.
Gorokhovskii, IU. N. - Effect of color developing conditions on the light sensitivity of multilayer films. p. 72.
Vzhesinskii, A., Kirillov, N. I. - Investigating the processing of negative color films by means of coating with the processing solutions. p. 79.
Mikhailov, V. IA. - Deviation from the standard color developing method and its effect on the quality of the color image. p. 88.
Bongard, S. A., Vinitskaia, M. I. - Effect of light absorption by the matrix film on the gradation of the washed off relief. p. 92.
Savko, S. S. - Investigating the relief image on the matrix film. p. 97.
Bliumberg, I. B., Davydkin, I. M. - Diffusion of dyes in the gelatin gel. p. 106.
Spasokukotskii, N. S., Tikhanovich, S. E. - Mechanism of the dyeing of gelatin layers. Report No. 1. p. 125.
Spasokukotskii, N. S., Tikhanovich, S. E. - Mechanism of the dyeing of gelatin layers. Report No. 2. p. 125.
Adashev, N. P., Gorokhovskii, IU. N. - Statistical analysis of the densimetric properties of the color image in motion-pictures. p. 134.
Gorokhovskii, IU. N., Popova, K. B. - Effect of the spectrum distribution of the sensitivity of the layers of negative multilayer films on color reproduction. p. 146.
Ovechkis, N. S., Artiushin, L. F., Gerasimovich, M. N. - Zonal system of three-color coordinates as applicable to color photographic processes. p. 155.
Balabukha, D. K. - Graphic analysis of color reproduction. p. 161.
Varshavskaia, N. B., Levenberg, T. N., Lokutsievskaia, L. K. - Requirements of exposure conditions in copying motion-picture films on multilayer materials by the duplication method. p. 172.
Gorokhovskii, IU. N., Levina, V. V. - Efficient sensitivity criterion of black-and-white and color photographic materials. p. 179.
Katsenelengogen, E. D., Baranov, G. S. - Experimental research studies on the efficient methods for formulating common sensitivity properties of negative black-and-white and color materials. p. 195.
Baranov, G. S., and others. - Sensitometry of reversal color films. p. 210.
Bakhvalov, V. M. - Characteristics of the densitometry [illegible] dye [illegible] devel- [illegible] tion [illegible] try. p. 225.
Ivanov, A. M. - Modern sensitometers and some methods for their improvement. p. 235.
Gorokhovskii, IU. N., Pekarskaia, G. L. - Universal differential type densitometer for black-and-white and color fields. p. 248.
Anisimov, S. A. - Recording densitometer for black-and-white sensitograms. p. 256.
Krupenin, L. K., Baranov, G. S. - Methods for the gradation of color densitometers. p. 263.

[illegible], A. N. - Si[illegible] [illegible]metric control in [illegible] processes. p.273.

ZHURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U S S R]. Moscow, vol 37, no 5, May 1964

Table of contents translated

[illegible], M A, Vol'kovich, [illegible] - Physicochemical analysis of the process of hydrothermal treatment of [illegible] phosphorites. p 937.

[illegible], Tkachenko, E V - Reduction of [illegible] with solid carbon. p 946.

[illegible], S I, and others - Defluorination of double superphosphate. p 951.

[illegible], I V - Ammonium polyphosphates. p 955.

Mukhlenov, I P, Tubolkin, A F, Tumarkina, E S - Desorption of chlorine from a saturated solution of sodium chloride. p 960

Sar[illegible], V P, Kulygina, M N - Existence of adsorption effect in systems used in the technology of hot casting of ceramics. p 965

F[illegible], I M, Mukhlenov, I P, Traber, D G - Use of [illegible] catalysts in the contact-tower process. p 972

F[illegible], D IA - Kinetics of the mixed adsorption of arsenic compounds on activated charcoal from nitric acid solutions. p 980.

[illegible], A I, Mukhlenov, I P, Averbukh, A IA - Effect of temperature, space velocity, and properties of the catalyst on the conversion of methanol to formaldehyde in a fluidized bed. p 984.

P[illegible]skaia, E N, Artoshkina, N L., Noskova, N N - Aqueous reciprocal system of the chromates and bicarbonates of sodium and ammonium. p.989

Ze[illegible]ch, IA, Lapitskii, A V. - Radiometric method of investigating the kinetics and mechanism of chlorination. p.1000

Kuzin, I A, Taushkanov, V P - Sorption of uranium by anion exchangers from sulfuric acid solutions. p 1003.

Kutateladze, K S - Mechanism of reactions in the solid phase. p 1009

Glein, V G, Tereshchenko, S G, Aleksandrova, T A - Process of air bubbling through mineral oil emulsions. p 1014

Nemilov, S V - Viscosity and structure of glasses of the system selenium - germanium. p.1020

Belavina, I G, Potashnikov, M.M - Solubility of the nitrates, monosubstituted phosphates, and chromates of quinoline and isoquinoline in water. p.1025

Gol'tsiker, A.D., Rashkovskaia, N.B., Romankov, P G. - Mechanism of the initial stage of fluidization in conical apparatus. p 1030.

Skliarenko, S I, and others - Production of cesium hydroxide by electrolysis of cesium chloride in an electrolyzer with a horizontal filtering diaphragm. p.1036

Nuzhnik, A T, Mitiureva, T.T. - Behavior of indium in polymetallic amalgams. p.1042.

Ksenzhek, O S, Kalinovskii, E.A., Baskin, E.L. - Conductivity of the electrolyte in porous nickel electrodes. p 1045.

Gurylev, V V, Levin, A I., Nasakina, M B. - Use of ultrasonic waves and reversing current in the electrodeposition of copper from a pyrophosphate electrolyte. p 1053.

Shatalov, A.IA., Kravchenko, T A. - Corrosion of copper in the case of uneven distribution of oxidizing agents in solution. p.1057.

Kazub, V.S., Kossyi, G.G - Intercrystalline corrosion of stainless steels in strong nitric acid. p.1053.

Susarev, M P., Guseva, V V. - Phase equilibria in the system water - hydrogen chloride - dioxane at 50°C. p.1067.

Kuznetsova, E P., Klenkova, N I. - Degradation of cellulose triacetate in the process of acetylation in the presence of benzene. p.1073.

Porai-Koshits, B A., and others. - Synthesis of *esters of the pyridine series*. p.1081.

Landysheva, V.A., and others. - Development of the process of surface acetylation of textile fibers. p.1087.

Isaguliants, V.I., Poredda, Z - Cyanoethylation of nitroparaffins. p.1093.

Dzhaparidze?, Ch.D., and others - Factors influencing the effectiveness of cellulose carboxymethylation. p.1099

Kuznetsova, G.A., Sokolova, L.M - Coumarins from roots of Frangos Fedshchenkoi (Rgl. et Schmalh) Eug.Kor. p.1105.

Kaganskii, I.M, and others. - Solubility in the system urea - phosphoric acid - water. p.1111.

Sachko, A.P. - Distillation of sodium and potassium from industrial wastes. p.1116.

Savkevich, S.S., Shaks, I.A. - Infrared absorption spectra of Baltic amber. p.1120.

Danilov, A V. - Electric conductivity of copper-containing chalcogenide glasses. p.1122.

Brutskus, T.K., Segalova, E.E. - Mechanism of gypsum effect on the rate of portland cement setting. p.1126.

Naryshkin, I.I., Gavrilov, L A - Polarography of melts using a bismuth dropping electrode. p.1130.

Petrov, K.A., and others - Synthesis and some properties of dialkylcyclohexyl phosphates. p.1132.

Kisin, K.V., Rembashevskii, A.G. - Oxidation of charcoal by air in an alkaline medium. p.1135.

Gurevich, G.S., Levin, S.Z., Diner, I.S. - Production of hydroaromatic dicarboxylic acids. p 1139

Shirokshina, Z.V. - Properties of film-forming solutions of organofluorine polymers. p.1142.

Isaguliants, V I, Markosian, E.L - Synthesis of esters of nitrocarboxylic acids in the presence of the AV-17 anion exchanger. p.1145.

Lobusevich, N.P., and others. - Effect of moisture, methanol, and oxygen in methyl chloride on the synthesis of methylchlorosilanes. p.1148.

Klimova, O.M, and others. - Synthesis of polyvinylene glycol derivatives. p.1152.

Brulle, E S., Merkulova, K.S - Determination of the solubility of a disodium salt of ethylenediaminetetraacetic acid (trilon B). p.1155.

Snezhko, D.L., Virnik, A.D., Rogovin, Z.A. - Synthesis of sulfo derivatives of cellulose. p.1156.

Malkina, N.I, Kazarnovskii, S.N - Synthesis of cyanuric acid from urea. p.1158.

Vorontsov, E.S., Ermakov, A.V - Study of equilibrium in the system oxide - metal - gas by the electric conductivity method. p.1160

Gepshtein, E.M - New method of separating 2,5-dimethylpyridine (2,5-lutidine) from coal tar. p.1162

Karpov, V V., Abozin, V.G. - Effect of constituents on the dissociation constants and spectra of leucothioindigoids. p.1165

Kozlov, V.P, Tishchenko, D.V. - Presence of anthracene in neutral oils of gas-producer settled tar obtained in the gasification of conifer wood. p.1168.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA. Nauchnye trudy [ACADEMY OF COMMUNAL ECONOMY. Studies] Moscow, no.18, 1962. Ekspluatatsiia i kapital'nyi remont zhilykh zdanii [Operation and major repairs of apartment houses].

Table of contents translated.

Lysova, A I. - Prestressed coverings for major repairs of buildings. p.3.

Zverkova, M.N. - Soundproofing properties of enclosing structures in major repairs of buildings. p.32.

Sedlukha, G.A. - Methods of determining the technical and economic efficiency of hoisting and transporting operations in major repairs of apartment houses. p 64.

Nalbandov, B.A. - Study of the operating process of loading machines used in the major repair of buildings. p.87.

Khimunin, S.D. - Greater improvement of apartment houses and blocks of old building developments of Leningrad. p.106.

Aleksandrova, N.I. - Basic technical and economic indices of the construction and operation of apartment houses. p.130.

Chistovich, S.A. - Calculation of two-pipe systems for hot-water heating based on alternating drops in temperature. p.142.

Stolpner, E.B. - Study of single-pipe systems for heating under operating conditions. p.148.

Brodskii, G.E - Automatic regulator for single-pipe flow-through systems in central heating. p.176.

Goriacheva, I.A., Sapozhnikov, M.M. - Using polyethylene pipes for hot-water supply. p.180.

BETON I ZHELEZOBETON [CONCRETE AND REINFORCED CONCRETE]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.]. Moscow, vol.10, no.4, Apr. 1964.

Table of contents translated:

Accelerated expansion of agriculture is the concern *of all the people*. p.145.

Keramzit concrete in construction. p.147.

Malorov, S.P. - Keramzit concrete elements in residential and industrial construction in Moscow. p.149.

Ivanov-Diatlov, I.G. - High-strength keramzit concrete and its use in bridges and hydraulic structures. p.153.

Kozlov, N.IA., Birger, A.I., Klokov, V.A. - Manufacturing keramzit concrete elements by the continuous *vibration* rolling method. p.158.

Kornev, N.A. - Keramzit concrete elements for industrial construction. p.162.

Kornev, N.A., Kudriavtsev, A.A. - Keramzit concrete for prestressed concrete elements. p.165.

Skramtaev, B.G., IAkub, I.A., Koroleva, A.T. - Hydraulic properties of milled light aggregates. p.169.

Buzhevich, G.A., and others. - Studying the properties of keramzit concrete. p.170.

Shchekanenko, R.A. - Selecting mix designs of keramzit concrete for bearing elements. p.174.

Bashlai, K.I., Smirnov, B.I., Shtern, M.I. - Using keramzit concrete under conditions of decentralized construction. p.178.

Kirkorov, S. - Keramzit concrete on building projects in Volgograd Province. p.181.

Kuznetsov, G.F. - Large-panel apartment house construction in Sweden. p.183.

TSygankov, I.I. - New books on keramzit concrete. p.186.

Sntalkin, A.V., Filimonov, N.A. - Crack resistance of concrete in large hydraulic structures. p.188.

From the "Construction" section of the Exhibition of the Achievements of the National Economy. p.190.

Rozenfel'd, L.M., Vasil'eva, T.D., Nelman, A.O. - Effect of additives of surface-active substances on the quality of gas concrete. p.191.

BIULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING]. Published by Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.]. Moscow, vol.21, no.1, Jan. 1964.

Table of contents translated:

Measures for improving the management of the construction of enterprises of the chemical industry. p.1.

Extensive application of computer techniques in planning and directing construction. p.3.

Extend the manufacture and use in construction of large roof slabs. p.4.

Manufacture of products from industrial sitall and slag sitall. p.6.

New chapters on Construction Specifications and Regulations:
  Heating systems; specifications for designs. p.8.
  Automobile roads for industrial enterprises; specifications for designs. p.11.
  Change in Chapter SNIP I-V. 8-62. p.13.
  Change in No.1 Chapter SNIP III-A, 11-62. p.14.

Manufacturing prestressed multispan roofing panels from compact lime concrete. p.14.

Instructions for designing granaries and grain elevators. p.15.

New State Standards:
  Active mineral additives to binders. p.16.
  Building tools; paint brushes. p.18.

New specifications for the manufacture of machinery. p.19.

Securing durability in reinforced cooling towers. p.21.

Designing silicalcite structures. p.24.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. p.28.

Shkinov, A.N. - New Construction Specifications and Regulations. p.30.

In the State Committees on Construction of the Union Republics. p.32.

At the Construction Projects of the Ministries of the Union Republics:
  Makhinia, P.M. - New building elements and products. p.36.
  Microdistrict in northeastern Minsk. p.37.

In the research institutes:
  Tikhonovich, V.I. - Apartment house made of synthetic materials. p.37.

Glass reinforced plastics as reinforcements for concrete elements. p.38.

Daniliak, A.Z. - Nomenclature for models of public buildings. p.38.

In the design institutes:
  Reinforced concrete elements for open crane trestles. p.39.
  Mokhov, I.I. - Automated concrete products plants. p.40.
  Averbakh, M.E. - Using in rural construction the panels made in rolling mills. p.40.

Metonidze, V.M. - Standard drafts of general plans for agricultural schools. p.40.

Biriulin, I.I. - District agricultural planning. p.42.

Plant for the manufacturing of foamed slag. p.43.

In the Main Administration of State Testimony:
  Popovich, V.V. - Plan for the enlargement of petroleum refineries. p.43.

Zamaraev, V.A. - Industrial construction in Canada. p.44.

List of specifications for planning and building approved by the State Committee on Construction of the Council of Ministers of the U.S.S.R. during the 4th quarter of 1963. p.47.

List of specifications for planning and building cancelled by the State Committee on Construction of the Council of Ministers of the U.S.S.R. during the 4th quarter of 1963. p.46.

DNEPROPETROVSK. INZHENERNO-BUDIVEL'NYI INSTYTUT. Sbornik nauchnykh trudov [CIVIL ENGINEERING INSTITUTE. Papers]. No. 18, 1961. Kafedra gidravliki [Collection of scientific papers by the Department of Hydraulics].

Table of contents translated·

Kudriavtsev, P. I. - Calculating pipes and canals by the equivalent roughness method. p. 3.

Bulatnikov, V. A. - "Maximum pressure increase during direct impact." p. 33.

Leont'ev, M. V. - Towerless system of water supply with automatic control of the operation of the pumps of water lift no. 2. p. 43.

Okorochkov, IU. V. - Forming rock fill in a stream at low temperature. p. 57.

Perekrestov, A. V. - Simplification of complicated systems of hydraulic drive and hydraulic automation. p. 67.

Kudriavtsev, P. I. - Nonsteady movement of a fluid in open prismatic channels. p. 79.

GORKIY. INZHENERNO-STROITEL'NYI INSTITUT. Trudy [CIVIL ENGINEERING INSTITUTE Transactions]. No. 40, 1961. Vodosnabzhenie [Water supply].

Table of contents translated.

Piskunov, P. I. - Collaboration among a clear-water reservoir, a pumping station and reservoir towers. p. 3.

Budrin, R. N., Krivonogov, V. I. - Fluoridation of drinking water. p. 10.

Sankin, N. F. - Utilizing screened crushed anthracite as a filtering medium in two-layer filters. p. 18.

Kolodnyi, IU. I. - Study of the process of contact coagulation and the character of the distribution of sludge in the layers of the filter medium of the contact clarifier. p. 36.

Kolodnyi, IU. I. - Reasons for the formation and the character of the distribution of the residual sludge in the layers of the filter medium of the contact clarifier. p. 46.

Kozin, V. N. - Calculation of shaft drops in a sewer system. p. 53.

Egorshin, P. I. - Short analysis of methods for determining the distance to the point of complete blending of river and waste water. p. 61.

Meierov, A. S. - Nomograph to calculate the depth of the fountain in drop wells in round pipes. p. 67.

Sankin, N. F. - Two-stage hydro-classifier of filtering materials. p. 72.

•OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U. S. S. R. for Construction]. Moscow, vol. 6, no. 3, 1964.

Table of contents translated:

Vyrvo, V. M. - Determining the ultimate frontal resistance of soils to the sinking of well shells. p. 1.

Perlei, E. M. - Effect of vibration on the force of the external friction of soils. p. 5.

Sedykh, E. K. - Stress-strain diagram of reactive pressure under the base of a rigid foundation. p. 8.

Abelev, M. IU., TSytovich, N. A. - Applying the theory of filtration consolidation for highly compressible water saturated clayey soils. p. 11.

Gol'dshtein, V. M. - Dynamic calculation of the force in piling shells during vibration sinking. p. 14.

Konovalov, P. A., Rudnitskii, N. IA. - Coefficient of the variability of the modulus of soil deformation. p. 16.

Votiakov, I. F. - Settling of a building with an inclined stratification of highly compressible soil at the foundation. p. 18.

Svetinskii, E. V., Smorodinov, M. I. - Effectiveness of using equipment in laying foundations in large-scale construction. p. 20.

Klattso, M. M. - Vibration analysis of foundations of precision equipment. p. 22.

Margot'ev, A. N. - Calculating the stability of slopes by using Varinion's theory. p. 25.

Kushner, S. G. - Remarks on the fourth chapter of "Footings and Foundations," edited by N. A. TSytovich. p. 27.

Paunescu, M. - Resistance of piling and sheet piles to vibration extraction. p. 28.

Gasanova, D. M., Guseinova, A. A. - Results of an interdepartmental conference on problems of electrochemical stabilization of silty foundation beds for marine hydraulic structures. p. 30.

Book reviews and bibliography. pp. 31, 3 of cover.

REFERATIVNYI ZHURNAL· AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS. HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

REFERATIVNYI ZHURNAL: STROITEL'STVO I ARKHITEKTURA [JOURNAL OF ABSTRACTS: CONSTRUCTION AND ARCHITECTURE]. Issued by Akademiia stroitel'stvo i arkhitektury SSSR [Academy of Construction and Architecture of the U.S.S.R.]. Moscow, vol. 6, no. 4(34), 1964.

SBORNIK RABOT POZHARNO-ISPYTATEL'NYKH STANTSII [PAPERS OF EXPERIMENTAL FIRE STATIONS]. Moscow, no. 3, 1963.

Table of contents translated:

Shimanova, Z. E. - Fire hazards in the manufacture of polyurethan foams (plastic foams). p. 5.

Litukhin, G. D., Domogatskii, G A. - Fire hazards in the production of acetylene with the electric cracking process. p. 13.

Rudnik, I. M. - Fire hazards in the production of phthalic anhydride and fire prevention measures. p. 31.

Faibishenko, A. D., Smirnova, N. P. - Fire hazards and preventive measures in the production of epoxy resins p. 39.

Klaman, K. A. - Fires and basements p. 50.

Smirnov, K. P. - Explosion of gasoline vapors in tanks caused by static electricity discharges. p. 59.

Gavrilenko, V. A., Bushnov, P. I. - Results of the investigation into the fire hazards of the new type of agricultural machinery. p. 61.

Shimanov, V. A. - Fire hazards of incubators. p. 65.

Smirnov, K. A. - Fire hazards of flax drying kilns. p. 70.

Smirnova, N. P. - Self-ignition of porous fiberboard. p. 76.

Bakin, E. N , Eliseev, V. N. - Investigating the degree of inflammability of the MK-4 rubber roofing in rolls. p 78

SEL'SKOE STROITEL'STVO [RURAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R. S. F. S. R. for Construction]. Moscow, vol. 18, no. 10(168), Oct. 1963.

Table of contents translated:

Nefedov, S. - Guarantee in good time rural construction by technical documentation. p. 1.

Mikhalchenkov, M. - What the Republic State Institute for Agricultural Planning and Construction is doing. p. 3.

Breslavtsev, D. - Planning apartment houses and public buildings. p. 4

TSikin, E., Savchenko, G. - Loose housing for cows in boxes. p. 7.

Nómvalts, A. - Designs of precast livestock buildings. p. 9.

Marov, V. - Results of developing a general plan of a state farm. p. 10.

Mal'tsev, F. - The All-Union Scientific Research Institute for the Management of Rural Construction Operations and rural construction. p. 11.

Kovler, B. - New developments in the organizations of rural construction. p. 12.

Industrial structures for rural buildings. p. 13.

Sokolov, V. - Construction of inexpensive rural roads. p. 14.

Shulenin, M. - Small state farm town in the steppes. p. 16.

Lipkin, P. - New developments in rural construction. p. 17.

Ber, E. - Working and living the communist way. p. 19.

Moskalev, A. - The design needs to be finished. p. 20.

Krinitsyn, I. - Necessity for good quality designs. p. 21.

Almazov, N. - Pay greater attention to the design organizations. p. 21.

Nikolaeva, N., Gragileva, E. - Design and construction of barns in Czechoslovakia. p 22.

Apply this in your work. p. 24.

At the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 28.

Matushkina, M. - How to carry out local standards of production. p. 29.

In the Ministry of Construction of the R.S.F.S.R. p. 30.

Technical information. p. 32.

For leisure time. p. 32.

SIL'S'KE BUDIVNYTSTVO [RURAL CONSTRUCTION]. Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv Ukrains'koi RSR [Ministry of Production and Procurement of Agricultural Products of the Ukrainian S. S. R.]. Kiev, vol. 12, no. 12, Dec. 1962.

Table of contents translated:

Editorial: Toward new heights in the building of communism. p. 1.

Humyns'kyi, V. - Let us work in this year better than before. p. 3.

Smetaniuk, S. - Provide collective farms with artificial insemination stations. p. 4.

Myliavs'kyi, H. - On the "IAgotins'kyi" State Poultry Farm. p. 6.

[illegible] - Territorial [illegible]

[illegible]

Ivashkin, V. - The factory has been in operation one year. p. 12.

Ternovs'kyi, A., TSot, M. - Make use of all possibilities for increasing the output of brick factories. p. 13.

Lerner, M. - Cold bituminous mastics instead of roll roofing materials. p 15

Korzh, V. - Qualified management of design and construction of villages. p 17.

Gol'bring, H. - New forms of financial plan for construction work of an interfarm building organization. p. 18.

Savinova, A., Velyka, Z - Why the State Bank does not give long-term credit directly to interfarm building organizations and industrial enterprises. p. 19.

Savinova, A., Velyka, Z. - Cowsheds in the Baltic Sea region; from the experience of our sister republics. p. 20.

List of most important articles published in 1960 in the periodical "Sil's'ke budivnytstvo." p. 23.

Winners in socialist competition p. 24

Vol. 13, no. 3, Mar. 1963.

Table of contents translated:

Editorial: Kolotii, M. - Plan for major construction work should be carried out in time and according to all indices. p. 1.

Lytvynchuk, M. - Our first experience in constructing rotary milking parlors. p. 3.

Chaplyts'kyi, V. - Eliminating shortcomings in the ties of rotary milking parlors. p. 4.

Studzyns'kyi, B., Cherevats'kyi, B. - Mechanized production line. p. 6.

Ivanov, A. - New equipment for cowsheds. p. 8.

Sysoiev, M. - Real reasons for the lag are in the poor organization of work. p. 9.

Places associated with the memory of the great bard. p. 11.

Kharchenko, B. - Interfarm Pioneers' camp. p. 12.

Val'ter, A., Rzhechyts'kyi, V. - Using the industrial method for the production of reinforced concrete half frames. p. 13.

Boiko, L., and others. - Steamless heating of reinforced concrete products. p. 15.

Zaika, I. - How to set up the work of tunnel driers. p. 16.

Chornyi, V. - Clean floors made of xylolite slabs. p. 18.

Poliakov, V. - Using granular slabs in rural construction. p. 19.

Manchenko, K. - Specialists for rural construction. p. 20.

Payment for transporting materials to building sites. p. 21.

Technological innovations in building. p. 22.

Wasted efforts. p. 23.

New standard designs of farm buildings. p. 24.

Vol. 13, no. 7, July 1963.

Table of contents translated:

Editorial: A yearly plan of construction is an inviolable law. p. 1.

Koresuns'kyi, I. - Completely mechanized farm for 1600 cows. p. 3.

Kriuchko, O. - First rotary milking installations at work. p. 5.

More precast, inexpensive, durable buildings; discussing the article by P. Podziechynova. p. 5.

Usiontsev, B. - For standard fully precast buildings. p. 5.

Sysoiev, M. - Reinforced concrete half frames are prospective structural elements. p. 6.

Koshyts', IU. - Advantages and disadvantages of framed structures. p. 6.

Il'in, V. - Multistory houses. p. 7.

Laponohov, S. - New rural dwellings will be beautiful and comfortable. p. 9.

Piven', K. - Underground automatic pneumatic pump installation with a BIE-25 towerless pumping station. p. 10.

Maiboroda, I. - Production of reinforced concrete and mesh reinforced concrete feeders, troughs, trays, and trap-doors for livestock buildings. p. 12.

Zakharchenko, V. - Tile roofs for livestock buildings. p. 15.

Convert brick and tile enterprises to an all year round operation. p. 17.

Soloshenko, H. - We are increasing productivity and lowering the cost. p. 17.

Solomanchuk, A. - We are putting six tunnel driers into operation. p. 18.

We like the Lokachi factory. p. 19.

Sirosh, I. - Pay more attention to drying conditions in tunnels kilns. p. 19.

Two-sided roller for painting. p. 19.

Baivel', I., Kal'onov, IE. - Effective materials from expanded perlites. p. 20.

Volkov, V. - New building and finishing machines. p. 22.

Semenko, H. - Wasted efforts. p. 23.

New books. p. 24.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'nyi komitet Profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol 10, no 7, July 1964

STROITEL'NAIA MEKHANIKA I RASCHET SOORUZHENII [STRUCTURAL MECHANICS AND CONSTRUCTION CALCULATIONS]. Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.]. Moscow, vol. 5, no. 6, 1963.

Table of contents translated

Shteinberg, M.V. - Calculating continuous cylindrical shells. p. 1.
Pastushikhin, V.N. - Calculating shells with rotation of negative Gaussian curvature for axisymmetric heating. p. 8.
Raizer, V.D. - Taking into account bending moments in the calculation of spherical shells which are nonrectangular in design. p. 14.
Bondar', N.G. - Approximate solution of some problems of the statics of elastic rods. p. 17.
Vishniakov, A.I. - Solution of structural mechanics problems on the BESM-2M electronic digital computers. p. 23.
Leites, S.D. - Instantaneous rigidity of the section under elastoplastic deformations. p. 26.
Solov'ev, V.K. - Design diagram of beams working on bend and constrained torsion. p. 29.
Kan, S.N. - Stability of circular cylindrical shells under compression. p. 31.
Aksel'rad, E.L. - Calculating allowable pipeline span according to stability. p. 34.
Alekseev, P.I. - Determining critical load under bend of a beam with variable rigidity. p. 37.
Dorfman, A.G. - Nomograph for determining the free length of a centrally compressed rod with elastic supports. p. 39.
Sergeev, N.D. - The form of a buckling rod losing its stability in the prestressing process. p. 42.
Svetov, A.A. - Stability of a compressed rod limited by a tightened wire. p. 43.
Zaidenberg, G.IA. - Vibrations of a forging hammer foundation under central impact. p. 45.
Sheinin, I.S. - Dynamic stresses from die forging presses. p. 49.
Klein, G.K. - Letters to the editors. p. 51.
Contents of the periodical "Stroitel'naia mekhanika i raschet sooruzhenii" for 1963. p. 52.

STROITEL'STVO TRUBOPROVODOV [PIPELINE CONSTRUCTION]. Issued by Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Production Committee for the Gas Industry of the U S S.R.]. Moscow, vol. 8, no. 11, Nov. 1963.

Table of contents translated:

Joyous holiday of the Soviet people. p. 1.
In Honor of the anniversary of the Great October. p. 3.
IUryshev, A.N., Sluchanko, N.A. - Still another new gas pipeline. p. 4.
Budagian, A.A. - For the successful construction of water pipelines in the Virgin Territory. p. 7.
Helicopters for servicing the Bukhara-Ural pipeline. p. 9.
Zubov, N.M. - Taas-Tumus--IAkutsk--Pokrovsk gas pipeline. p. 10.
Ishchenko, IU.K., Arzunian, A.S., Verevkin, S.I. - Increase the dependability of steel tanks. p. 14.
Mirovich, O.L. - Electric resistance welding of 720, 144 and 159 mm pipes. p. 17.
Zhal'ko, O.N. - It is necessary to improve the design solutions of condensation tanks. p. 18.
Smirnov, A.A. - Results of building the first line of the Bukhara-Ural gas pipeline. p. 20.
Perel'shtein, I.IU. - Using the S-630A unit for guniting reinforced concrete tanks. p. 22.
Fidler, A.E., Landa, V.A. - Selecting concrete mixtures for precast reinforced concrete tanks. p. 23.
Gorchikov, S.V. - Using electric models for calculating low pressure gas networks. p. 26.
Crusher for the slag crust of fusing agents. p. 28.
Reequipping generator gears with the SDU-2 aggregate. p. 28.
Zhurkov, A.V. - Safety measures for combined construction and assembly work at compressor stations. p. 29.
Sokolov, G.I. - Once again about the reliability and durability of rotary trench excavators. p. 30.
Khesin, IU. - Preparing ground for trench digging in the winter. p. 33.
Moskvitin, A.S., Gol'denbaum, IA.P. - Nomographs for calculating steel pipelines. p. 35.
Automatic traps. p. 37.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee for Transportation Construction in the U.S S.R]. Moscow, vol. 13, no. 12, Dec. 1963.

Table of contents translated

Quality of the construction of the means of transportation must be perfect. p. 1.
Sokolov, K A - Overall mechanization of construction work is an important source of raising labor productivity p. 3.
Kopytov, S E., Liskovets, S.A., Strizhkov, N.S. - At the construction site of the Abakan-Tayshet line p. 6.
Gritsyk, V I, Ishchenko, IA.P. - Design of branch lines along the trunk-line on the basis of the standard pattern permanent lines. p. 9.
Savenko, A N. - Electrification of the first section of a railroad line in the Soviet Far East. p. 11.
Timofeev, N F. - Results in filling a caisson shell with concrete. p. 13
Mitrofanov, IU.M., Roshchin, V.S - Longitudinal and transverse assembly of prestressed concrete span beams. p. 15.
Pavlov, I P., Zelevich, P.M. - Practical considerations of measures to prevent deformation of circular water pipes. p. 18.
Smirnov, O.V. - Mechanized shield tunneling in mixed rocks p. 21
Sokolov, V.V. - Underwater television controls the quality of hydraulic construction. p. 26.
Butor, A.I. - Methods of loading and bracing reinforced concrete structures on rolling stock. p. 29.
Bulatkin, A.S. - Automatic control of a machine for producing hollow flooring p. 30.
Nirk, A.D. - Make small machinery available to the construction of transportation systems. p. 32.
Popov, A.T. - The brigades are keeping in step. p. 35.
Gnatenko, A.I. - Initiative of machine operators of Sviridenko's brigade. p. 37.
Kravchenko, I.N. - We are raising the tempo of excavating work. p. 38.
Sosedov, M.A. - I have mastered using mixing machinery. p. 39.
For those who want to become technicians. p. 40.
Pronin, A.T. - Designing vertical curves. p. 42.
Lapitskii, Kh.M., Avebukh, IU.A. - Designing dispatch stations. 43.
Maksimov, V.G. - Stressed state of rails during skeletonizing with a PB-2 tracklaying machine. p. 46.
Pisitsyn, M.E. - Transverse force in reinforcement of assembly junction arches. p. 48.
Artamonov, V.S. - Protection against corrosion of reinforced concrete tunnel lining of electrified railroads. p. 50.
Serebro, A.IA., and others. - Testing a mooring on pile shells. p. 53.
Stramous, M.F. - Using bearings made of polycaprolactam in construction machinery. p. 55.
Makarov, I.M. - Calculating the depth of pile driving into sloping ground. p. 58.
Pugachev, V.I. - Blasting boreholes in cohesive soils. p. 59.
Kadil'nikov, M.F. - Chalky cement putty. p. 60.
Efficiency experts suggest. p. 61.
Kan'shin, V.P. - Viaduct of unusual design. p. 63.
Pasaek, G.A. - New types of bridge seats. p. 65.
Pritsker, M.I. - Using rubber protective equipment for moorings. p. 66.
Pil'shchik, M.G. - What is preventing the adoption of hydromechanization. p. 69.
Vedernikov, A.I. - Designing with a perspective. p. 70.
Krasov, N.V. - Awarded a Second Degree by the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 70.
Brief news. p. 71.
In the past issues of our periodical. p. 73.
Express information. p. 74.
List of articles published in our periodical in 1963. p. 75.

ZASHCHITA TRUBOPROVODOV OT KORROZII [CORROSION PROTECTION OF PIPES]. Issued by TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [Central Scientific Research Institute of Information and Technical-Economic Research on the Petroleum and Gas Industry]. Moscow, no. 5, 1962.

Table of contents translated:

Lebedev, P.L. - Protection of city gas pipelines in the city of Krasnodar from electrochemical corrosion. p. 3.
Nikitenko, E.A. - Installation of stations for the drainage protection of gas pipelines. p. 12.
TSikerman, L.IA. - Methods and instruments for measuring the thickness of anticorrosion coatings. p. 17.
Artamonov, V.S., Nebratenko, L.M. - Protecting metal pipelines against corrosion in atmospheric conditions with polymer-cement paints. p. 26.
Levin, V.M., Oganezova, I.S., Tarnizhevskii, M.V. - Protecting pipelines from trolley-car track stray currents. p. 36.
Mugliilov, M.F. - Investigating the corrosion of various types of steel. p. 55.
Vysotskii, V.F. - Effect of the distance between a pipeline and grounding on the size of the cathodic protection zone. p. 69.

ZHILISHCHNO-KOMMUNAL'NOE KHOZIAISTVO [HOUSING AND COMMUNAL SERVICES]. Issued by Ministerstvo kommunal'nogo khoziaistva RSFSR and TsK Profsoiuza rabochikh kommunal'no-bytovykh predpriiatii [Ministry of Communal Services of the R.S.F.S.R., and the Central Committee of the Trade Union of Workers of Communal Service Enterprises]. Moscow, vol. 13, no. 9, Sep. 1963.

Table of contents translated:

Technician and superintendent. p. 1.
Winners in the competition. p. 3.
Valuable initiative of the Yaroslavl people. p. 4.
Klopotov, K. - Where the reserves are hiding. p. 5.
Antipov, V. - The Ministry reports to the people. p. 7.
Fomchenkov, F. - Master this trade. p. 8.
Smirnov, D. - Inspection continues. p. 0.
Bliudov, V. - We are developing the work on a voluntary basis. p. 10.
Gordienko, I. - From talk let's get down to business. p. 11.
Ahead of schedule and well done. p. 12.
Kapitonov, A. - Volunteer help did not fall by the wayside. p. 14.
Semenov, V. - Have you familiarized yourself with the thematic plan? p. 15.
Makhnovskii, I. - These were at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 16.
Girshberg, B. - Why not create them? p. 16.
Simonov, S. - To like a person and fight for him. p. 18.
Arkad'ev, A., Voronin, V. - An instructive story. p. 19.
Utrobin, N. - The worker's village is becoming prettier. p. 20.
Plesovskikh, A. - In a model home. p. 20.
Lappo, N. - This is good management. p. 20.
Romanov, R., Rachinskii, I. - About good people and their deeds. p. 21.
Kamenetskii, M. - Housewarmings in old homes. p. 22.
Beliaev, A. - Mechanization of assembly work. p. 23.
Seregin, V., Pigin, V., Shklovskii, E. - Modernization of the MTB-82 trolley bus. p. 25.
Kaldin, S. - Advantages are evident. p. 25.
Rabyko, V. - Council of the Ural municipal workers. p. 26.
Apanasenko, E. - The TSna will be clean. p. 27.
Kulikova, L. - Restoration of an ancient city. p. 28.
Skoblov, G. - Continuous method of laying gas networks. p. 29.
Conference in Bryansk. p. 29.
Sel'din, M. - Upon this one should ponder. p. 31.
Bronshtein, IA. - Chemical curling. p. 32.
For a city of model living conditions. p. 33.
Galonen, IU. - For future trolleybus drivers. p. 34.
Urgent problems of building development. p. 35.
Guests from Yugoslavia and Sweden. p. 36.

Vol. 13, no. 10, Oct. 1963.

Table of contents translated:

Editorial: Beginning on a voluntary basis. p. 1.
Fourth Trade Union Congress. p. 3.
Delagates give interviews. p. 5.
Shutov, I. - New home. 7.
Brazgovka, V. - The new opens the way. p. 9.
Voluntary activity is our great strength. p. 10.
Toporkov, F. - Soldier of the non-aging building guards. p. 12.
Vinnik, K. - Progressive workers of carbarns. p. 12.
Utrobin, N. - There is a beginning. p. 12.
Puzyrevskii, B. - Assistant's group by Party State Control in housing management. p. 12.
Lysenko, D. - In our town Morshansk. p. 13.
Karpova, N. - A big family. p. 14.
Voronenko, I. - In the ninth block. p. 15.
Mishaev, IU. - Where there could have been saving, there was waste. p. 15.
Shorin, A. - Clearing snow and ice from streets. p. 1
Mnukhin, L. - Using chlorite for combatting ice. p. 1
Makhnovskii, I. - Are fences needed everywhere? p. 18.
Efremov, I. - City transportation of tomorrow. p. 20
Briukhanov, V., Shcherbakova, A. - Regulate the co
sumption of electric power. p. 21.
Green light for flameless burners. p. 23.
Vasil'kevich, V. - Cleaning machinery stations are needed. p. 23.

Gordienko, I. - A year ahead of schedule. p. 24.
Shimel'fenig, S. - Standards for the consumption of liquid gas in the home in rural areas. p. 25.
Pelsakhov, V. - Again about the hairdressing business. p. 26.
Gornostaev, V. - Ventilation at manicuring tables. p. 26.
Strashnov, V. - Student's corner in an apartment. p. 27.
Bagdasarov, S., and others. - Unremitting attention to the quality of roads. p. 30.
Mezhlumova, R. - Synthetics in the laundry. p. 31.
Akhremovich, M. - House fungi and the fight against them. p. 33.
Along the pages of Soviet and foreign periodicals. p. 35.

ZHILISHCHNOE STROITEL'STVO [HOUSING CONSTRUCTION]. Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstroe SSSR and TSentral'noe pravlenie NTO stroitel'noi industrii [State Committee for Civil Engineering and Architecture, Attached to the State Committee for Construction in the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, no. 5, 1964.

Table of contents translated:
Airapetov, D., Koshkin, V., Osipov, G. - Synthetic rolled floor coverings. p. 1.
Belovitskii, V. - Erecting large-panel buildings by the assembly-line method. p. 4.
Gritsai, V. - Some problems in erecting large-panel apartment houses. p. 5.
Komissarov, N. - Industrial built-up roofs in the Far North. p. 6.
Barkov, IU., Budo, P. - Butt joints of outer wall panels. p. 9.
Kuzanov, A. - Single-layer keramzit concrete outer wall panels. p. 12.
Kapustian, E. - Improved variants of standard designs of apartment houses. p. 13.
Selastel'nikov, A. - Standard design of apartment houses for housing cooperatives. p. 19.
TSabadze, D. - Summer accomodations of large-panel apartment houses. p. 20.
Fedynin, N. - Protection and decorative facing of gas concrete panels. p. 22.
Sladkov, V., Nepogodin, G. - Exterior finishing of large-panel buildings. p. 23.
Golikov, S. - Preventing the sagging of buildings erected on macroporous soils. p. 25.
Kolarov, D. - Large-panel apartment houses in Sofia. p. 27.
Frumin, G. - Book about residential areas and microdistricts. p. 31.

e. ELECTRICAL ENGINEERING

ATOMNAIA ENERGIIA [ATOMIC ENERGY] Issued by Akademiia nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 16, no. 6, June 1964.

Table of contents translated:
Petros'iants, A.M. - Tenth anniversary of nuclear power engineering. p. 479.
Ushakov, G.N., and others. - Operational experience of the world's first atomic power plant. p. 484.
Aleshchenkov, P.I., and others. - The I.V. Kurchatov Beloyarsk Atomic Power Plant. p. 489.
Ivanov, V.I., Krot, N.N., Smirenkin, G.N. - Distribution of the radiative capture to fission cross section ratio for Pu^{239} along the height of the BR-5 reactor. p. 497.
Akimov, I.S., Grishanin, E.I. - Analytic method for the calculation of irregular burn-out of fuel in nuclear reactors. p. 500.
Granovskii, IA.I., Kostritsa, A.A. - Nonstationary problems in the kinetic theory of neutron transfer. p. 504.
In memory of Igor' Il'ich Bondarenko; obituary. p. 508a.
Migachev, A.I., Senchenkov, A.P. - Radiochemical effect of fast electrons on uranium fluorides. p. 510.
Barashenkov, V.S., and others. - Cascade interactions between particles and nuclei in the high-energy region. p. 515.
Belov, S.V., Bychkov, A.P. - Determining the mean energy of β -radiation from low-activity samples. p. 518.
Nesterov, V.G., and others. - Angular distribution of fragments in U^{235} and Pu^{239} fission by 0.08 to 1.25 Mev. neutrons. p. 519.
Okolovich, V.N., Smirenkin G.N. - Mean kinetic energy of fragments in above-threshold fission (n, nf). p. 521.
Begzhanov, R.B., and others. - Interaction cross section of neutrons with Sm^{149} and In^{115} nuclei. p. 523.
Borishanskii, V.M., Zablotskaia, T.V., Ivashchenko, N.I. - Heat transfer due to metallic sodium moving in a tube. p. 524.
IUrova, L.N., Bushuev, A.V. - Studying Pu^{239} accumulation from U^{239} γ-radiation. p. 527.
Styro, B.I., Vebra, E.IU., Shopauskas, K.K. - Some physical characteristics of hot alpha-radioactive aerosols. p. 528.
Malakhov, S.G., Makhon'ko, K.P. - Hot aerosols in the ground air layer near Moscow. p. 530.
Savel, Pierre. - Discovery of artificial radioactivity. p. 534.
Rudakov, V.P. - Fourteenth Conference on Nuclear Spectroscopy. p. 538.
Bakai, A.S., Litvinenko, A.S. - Fifth All-Union Intercollegiate Conference on the Theory of Elementary Particles. p. 539.
Matveev, O.A., Osipenko, B.P. - International Conference on Semiconductor Detectors of Nuclear Radiations. p. 540.
Zolotarev, V.S. - Third International Conference on Separation, Analysis, and Use of Stable Isotopes. p. 541.
Nikeshichev, V.N. - Second Symposium on Sources of Ionizing Radiations for Distance Radiotherapy. p. 543.
Brief news. p. 546.
New literature. p. 547.
Subject index. p. 551.
Author index. p. 555.

Vol. 17, no. 1, July 1964.

Table of contents translated:
Vlasov, N.A., Samoilov, L.N. - Heavy hydrogen and neutron isotopes. p. 3.
Shimanskaia, N.S., Zaletskii, E.G. - Mean energies of electron and positron beta-spectra. p. 9.
Ad'iasevich, B.P., and others. - Source of polarized ions. p. 17.
Usachev, L.N., Pavlinchuk, V.A., Rabotnov, N.S. - Analysis of the observable distributions of resonance widths in U^{233} and Pu^{239}. p. 22.
Bol'shov, V.I., and others. - Some data on the spontaneous fission of Cm^{244}. p. 28.
Kozhevnikov, D.A. - Space-energy distribution of neutrons in a homogeneous moderator. p. 34.
Styrikovich, M.A., and others. - Transition of iodine from aqueous solutions into saturated steam. p. 45.
Lupakov, I.S., Kuz'michev, IU.S. - Permeability of metal pipe walls to helium. p. 49.
Khramchenkov, V.A. - Radiochemical processes in the radiolysis of carbon tetrafluorides. p. 53.
Kolomenskii, A.A. - Longitudinal instability of a charged beam circulating in an accelerator or accumulator, allowing for the finite conductance of the chamber walls. p. 57.
Starodubtsev, S.V., Khrushchov, B.I. - Elastic scattering of α-particles on boron. p. 59.
Daruga, V.K., and others. - Neutron passage through carbon and an iron - carbon mixture. p. 60.
Daruga, V.K., and others. - Space-energy distribution of neutrons from a BR-5 reactor in an iron-ore medium. p. 63.
Mashkovich, V.P., and others. - Attenuation of beams of fission neutrons in iron - water mixtures. p. 65.
Bezuglyi, V.D., Nagornaia, L.L. - Effect of radiation on the stability of plastic scintillators. p. 67.
Volkov, S.A., Sakodynskii, K.I. - Separation of tracer compounds by the method of gas chromatography. p. 70.
Gel'fman, A.IA., Granovskii, G.L., Kheifets, L.IA. - Simple radiographic method for dactyloscopic investigations. p. 71.
Alikhanov, R.A. - Third International Conference on Low-temperature Physics and Technology. p. 72.
Gromov, V. - Use of mineral sorbents for the decontamination of liquid radioactive solutions. p. 73.
Andreev, V.D. - Uranium industries of capitalist countries in 1963. p. 75.
Books. p. 79.

* AVTOMATIKA I TELEMEKHANIKA [AUTOMATIC AND REMOTE CONTROL], Issued by Institut avtomatiki i telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 25, no. 6, June 1964.

Table of contents translated:
Trapeznikov, V.A. - Work of the Institute of Automatic and Remote Control in the field of technical cybernetics during 1939-1964. p. 747.
Khramoi, A.V. - Outline of the history of the Institute of Automatic and Remote Control for the period 1939-1964. p. 753.
Khramoi, A.V. - Work of the Institute of Automatic and Remote Control on the development of the theory of automatic control during 1939-1964. p. 763.
W[illegible]
T[illegible]
Grishin, V.P. - Minimax in the theory analytical design of controllers. p. 868.
Emel'ianov, S.V., Taran, V.A. - Stabilization of automatic control systems with variable structures using inertial links with variable time constants. p. 881.
Krutova, I.N., Rutkovskii, V.IU. - Study of the dynamics of an adaptive control system with a model containing nonlinear object characteristics and variable parameters. p. 887.
Gul'ko, F.B., and others. - Prediction technique and its application using high-speed analog computers. p. 896.
Raevskii, S.IA. - Statistical method for determining essentially nonlinear characteristics of objects of automatic control. p. 909.
Aizerman, M.A., Braverman, E.M., Rozonoer, L.I. - Theoretical principles of the potential functions method in a problem involving the teaching of automatons to separate entering situations into classes. p. 917.
Vapnik, N.V., Chervonenkis, A.IA. - A class of algorithms for teaching pattern recognition. p. 937.
Tal', A.A. - Questionnaire language and abstract synthesis of minimal sequence machines. p. 946.
Parkhomenko, P.P. - Synthesis of relay structures based on different functionally complete systems of logical elements. p. 963.
Sogomonian, E.S. - Check of the work capacity and search of faults in functionally connected systems. p. 980.
Il'in, V.A. - Stabilization of time parameters. p. 991
Domanitskii, S.M., Prangishvili, I.V. - Probability method for calculating semiconductor logical elements. p. 997.
Vasil'eva, N.P., Gashkovets, I.S. - Simplest sequential elements (triggers) and realization of the memory portion of sequential functions using those elements. p. 1004.

AVTOMATYKA [AUTOMATIC CONTROL]. Issued by Instytut kibernetyky Akademii nauk URSR [Institute of Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 9, no. 3, 1964.

Table of contents translated:
Kruh, O.K. - Dynamic properties of tuning of systems with impulse controllers. p. 3.
Chynaev, P.I. - Criterion of the stability of multidimensional systems with amplification coefficients increasing without bounds. p. 18.
Ivakhnenko, O.H., Voronova, L.I. - Cognitive system "Alpha" as a predictive filter and optimalizing controller without hunting. p. 23.
Chekhovyi, IU.M. - Self-teaching system for optimizing a combustion process. p. 41.
Voronova, L.I., Krementulo, IU.V. - Schematic of a system for converting an angle of rotation into impulses sensitive to the direction of the rotation. p. 54.
Hostev, V.I. - Approximate equivalent transfer function of RLC and RC carrier frequency circuits. p. 58.
Kleshchov, V.V. - Practical utilization of program evaluation and review techniques. p. 61.
Mandrovs'kyi-Sokolov, B.IU. - Realization of extrapolating filters with exponential smoothening. p. 67.
Pavlov, V.V., Babchuk, V.H. - Invariance to ε and criticality of the tuning of invariance conditions in nonlinear automatic control systems. p. 70.
Sheiko, P.P. - Method for determining the transfer functions of the links of a self-oscillatory system using oscillograms of variable quantities. p. 73.
Methods for determining the static characteristics of a controlled member and methods for determining the weight of the controlling effects (algorithmation of the controlled member). p. 79.
O.I. Kukhtenko; on his 50th birthday. p. 88.
Kostiuk, O.M. - Stability of systems with unlimited rising gain. p. 90.

M[illegible], [illegible] - Effect of the increase of thermal [illegible] comparative effectiveness of com[illegible] power supply systems. p. 24.
[illegible], [illegible], F.A. - Calculational and [illegible] central heating coefficients for n unit [illegible] power plants. p. 23.
M[illegible] - [illegible] features of high-temperature [illegible] systems with regeneration. p. [illegible].
[illegible] - [illegible] for protecting hot [illegible]. p. 24.
[illegible], Shekhtman, I.M. - Causes of the [illegible] of the galleries of thermal electric power [illegible].
[illegible], M.A., Chernukhin, A.V. - Special features of the installation and regulation of primary generators with water and hydrogen cooling. p. 41.
[illegible], D.M. - Comparison of the structural schemes [illegible] hydraulic turbine control systems. p. 44.
[illegible], V.M., Vainshtein, L.M. - Economic effectiveness of intersystem couplings. p. 50.
[illegible], A.I., Derlugin, F.F. - Experience in the use of open fuses. p. 54.
M[illegible]v, N.M., Fukin, IU.A. - Check of the selectivity of the operation of fuse protectors in complex closed-loop networks. p. 59.
[illegible], F.I. - Choice of optimum potential range at the terminals of an electromagnetic switch drive. p. 63.
[illegible]lseev, A.M. - Electrical equipment maintenance and servicing intervals and labor productivity. p. 66.
Sat[illegible]v, V.S. - Determination of stress during the break of an overhead power transmission line wire. p. 67.
Aleksandrov, G.N., Kizeveter, V.E. - Statistical studies of the electrical strength of contaminated insulation. p. 70.
Mel'nikov, M.F., Semenov, V.A. - Distance-type protection in networks with longitudinal capacitive compensation. p. 74.
M[illegible]iseev, M.A. - Catching of slivers in fuel supply ducts and coal dust preparatory systems. p. 77.
[illegible]khovskii, I.A., and others. - Safety belt for water walls. p. 78.
Ker[illegible]a, A.P. - Automatic self-disengaging semiclutch for dynamic rotor balancing. p. 78.
Fonl[illegible]g, V.S., Vasil'ev, V.D. - Interaction of a shorting device and a separator. p. 79.
Parfeni[illegible]v, I.I. - Method for checking the insulation at the shaft terminals of the generators of the Novosibirsk Hydroelectric Power Station. p. 81.
J[illegible]efavicius, D.I. - Elimination of nonsymmetry in a network with capacitive current compensation. p. 81.
[illegible], G.S. - Measurement of the capacitance of high-frequency condensers under operating voltage. p. 83.
Suslov, O.V. - Faulty operation of high-voltage busbars. p. 83.
Urin, V.D., Sokolov, V.I. - Concerning V.I. Doroginin's article "Use of the generators of a hydroelectric power station as synchronous compensators," p. 84.
Improvement of the ventilation ducts of air switches. p. 89.
Experience in the operation of turbogenerators with indirect cooling of the windings in nonsteady modes of operation. p. 89.
Borovitskii, V.N. - Pavilion of the "Electrification of the U.S.S.R." at the Exhibition of the Achievements of the National Economy in 1964. p. 91.
Regulations on overvoltage protection of electrical networks with 3 - 500 kv. ratings. p. 92.

*ELEKTRICHESTVO [ELECTRICITY]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 6, June 1964.

Table of contents translated.

Komarov, D.T. - Electricity serving agriculture. p. 1
Fabrikant, V.L., Orekhov, L.A. - Principles of the design of longitudinal differential protection systems for tapped lines. p. 7
Vainshtein, L.M., Mel'nikov, N.A. - Study of complex nonsymmetrical operating conditions of networks using a d.c. network analyzer and generalized parameters. p. 13.
Trofimenko, D.E. - Resynchronization of a hydrogenerator by electric braking. p. 21.
L[illegible]kens, I.V., Vasin, V.P. - Operation of electrical systems with reclosing near the threshold of stable operation. p. 24.
K[illegible]kov, G.A. - Characteristics of an air leakage process in the arc quencher of an air-filled switch. p. 31
Kh[illegible], S.D. - Heating and cooling of a buried cable. p. 35
Bre[illegible]man, A.I. - Electrical strength of a spark gap with rotating arc of magnetic-valve dischargers. p. 40
Aleksandrov, G.N., Ivanov, V.L. - Dependence of the electrical strength of long air gaps on the frequency of the oscillatory voltage. p. 44.
Chemodanov, B.K., Feklisov, G.I. - Study of digital control systems using logarithmic characteristics methods. p. 49.
Mel'nikov, O.N. - Increasing the response time of a magnetic amplifier with d.c. output and inductive load. p. 56
Kirkin, B.I., Lindorf, L.S. - Determination of the start characteristics of synchronous motors. p. 63
Altab'ev, V.M. - Vector diagrams of a synchronous machine with nonsymmetrical stator winding in nonsymmetrical operation. p. 68.
Kazovskii, E.IA., Kartsev, V.P. - Use of superconductors in the excitation of electrical machines. p. 74
Vitaonov, A.B. - Theory and application of three-phase systems components. p. 77.
Sheinman, L.E. - Calculation of the steady operation of a system consisting of a synchronous generator-asynchronous motor using an analog computer. p. 85.
Gornshtein, V.M. - Determination of the optimum operation of power systems. p. 86.
Borisenko, N.I., and others. - A.M. Fedoseev, on his 60th birthday and the 35th anniversary of his engineering and educational work and public activity. p. 92.
Naumychev, K.I. - "Principles of electric drives" [in German] by K. Pommer and R. Lappe. p. 93
Sud, I.I., Shkol'nikov, B.M. - "Handbook for electricians of industrial enterprises" by L.B. Geller. p. 94

ELEKTRONIKA BOL'SHIKH MOSHCHNOSTEI [HIGH-POWER ELECTRONICS]. Issued by Fizicheskaia laboratoriia Akademii nauk SSSR [Physics Laboratory of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1963.

Table of contents translated:

Rusin, F.S. - Cathode losses in magnetrons. p. 7.
Vainshtein, L.A. - Electrodynamic theory of lattices. Part 1. An ideal lattice in free space. p. 26.
Vainshtein, L.A. - Electrodynamic theory of lattices Part 2. Consideration of terminal conductivity. p. 57.
Vainshtein, L.A. - Normal coordinates in the theory of closed resonant circuits. p. 75.
Vainshtein, L.A. - Contribution to the theory of contactless plungers. p. 83.
Vainshtein, L.A. - Diaphragms for the H_{01} wave in a round waveguide. p. 98.
Kapitsa, S.P. - Solenoid in a uniform magnetic field. p. 109.
Kapitsa, S.P., Kondrat'ev, N.I. - Wide-band panoramic wavemeter. p. 119.
Kapitsa, S.P., Kondrat'ev, N.I., Petrusevich, IU.M. - Super-high frequency measurements using millimeter paper. p. 122.
Kapitsa, S.P., TSipenkiuk, IU.M. - Measurement of high-frequency fields in resonators. p. 133.
Diatroptov, D.B. - Secondary electron emission of copper and some coatings. p. 148.
Vetchinkin, A.N., and others. - Microwave dosimeters. p. 157.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'nyi komitet Profsoiuza rabochikh elektrostantsii i elektropromyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 12, no. 4, Apr. 1964.

Table of contents translated:

From N.S. Khrushchev's speech at the February Plenum of the Central Committee of the CPSU. p. 1.
Poliakov, A.I., Sryvkov, S.V. - Adjustment of boilers operating on Nazarovo coal. p. 2.
Brezhnev, V.A., Bazhin, V.F. - Support collars and protection of the PVD system from overfilling. p. 4.
Mushkov, V.I. - Removal of slag from slag and ash pulp in thermal electric power plants. p. 5.
Bandulov, I.E., Rudenko, M.A. - Restoration of the rotor of a steam turbine using automatic built-up welding in a jet of liquid. p. 5.
Gorbenko, V.I. - Water distribution under pressure in a cooling tower. p. 7.
Tatarenko, N.I. - Use of the AV-17 anion exchanger in a simplified desalting system. p. 9.
Kerman, E.IA., Molchadskii, M.T., Gochev, V.S. - Improved operation of sodium cation exchange filters. p. 11.
Timoshin, V.S., Komarov, S.M. - Adjustment of an impulse device controlling the loading of ball mills according to a "level" pulse. p. 12.
Malyi, A.S. - Synchronization network with a matching autotransformer. p. 14.
Ivaniuzhenko, P.I., Lavrikova, N.A. - Check of the contactors of the MKP-160 oil-filled switch without opening the drum. p. 14.
Muratov, I.Kh. - Automatic switching-in of condenser discharge resistors. p. 16.
Komogortsev, A.G. - Automatic switching-in of condenser discharge resistors. p. 16.
Kuznetsov, N.D. - Portable contact clamp with a removable dielectric rod. p. 17.
Mitrokhin, A.K., Tkachenko, V.A. - Machine for winding transformers and relays. p. 18.
Maliushenko, V.V. - Effect of the trimming of the rotor wheel of a sectionalized feed pump. p. 20.
Gunin, V.P., Gurvich, V.S. - Installation of rubber rings in the seals of water-cooled turbogenerators. p. 22.
Training of the personnel of electric power plants. p. 25.
Naifel'd, M.R. - Required short-circuit to frame current in systems carrying voltages up to 1000 volts with grounded neutral line. p. 25.
Mandrykin, S.A. - Determination of the direction of rotation of two-speed motors and proper marking of the leads in motors operating on two voltages. p. 26.
Through the pages of foreign magazines. p. 27.
Regulations for operating electric power plants and networks (issue for the personnel of rural electric power systems). p. 28.
Instructions on designing rural electrical systems. p. 29.
New "Safety regulations for preparing and burning fuels in a pulverized state." p. 29.
Rectifiers and rectifier systems with rating up to 25,000 ampers. p. 30.
Nomenclature on reducing gears. p. 32.

LENINGRAD. [illegible]
TUT TOKO [illegible]
ENTIFIC R [illegible]
QUENCY C [illegible]

Table of contents translated:

Glukhanov, N.P. - Electromagnetic processes in plates and cylinders at high frequencies. p. 5.
Zelenin, G.L. - Transmission of energy through a conducting shield in a varying magnetic field. p. 24.
Glukhanov, N.P. - Shielded induction motor. p. 35.
Ratnikov, D.G. - Electrical design of an air-core transformer. p. 56.
Slukhotskii, A.E. - Operation of a self-excited electronic inverter. p. 61.
Golovin, G.F., Smirnov, V.I. - Hardening of crankshaft journals with emergence of the hardened layer on the hollow chamfer. p. 80.
Kuznetsov, B.A., Zimin, N.V. - Quenching of bearing rings in high-frequency induction heating. p. 94.
Sporanskii, G.A., Biziaev, V.F. - High-frequency induction hardening of small steel components. p. 101.
Zamiatnin, N.M., Baluova, T.A. - Study of chemical and thermal processes in the treatment of steel components with high-frequency induction heating. p. 116.
Sochnev, A.IA. - Calculation of magnetic systems with horn-shaped magnets. p. 127.
Shekalov, A.A. - Development of methods for increasing the magnetic properties of alloys used in permanent magnets. p. 140.
Shelina, T.A. - Cementing of wood during heating in a high-frequency electric field. p. 162.
Bammer, A.V. - Stabilized thyratron rectifier with a wide range of regulation. p. 168.
Tikhomirov, V.G. - Induction heating transformers. p. 178.
Nedzvetskii, IU.E., Dobrovol'skaia, V.I. - Increasing zone stability in vertical smelting without a crucible. p. 188.

No. 4, 1963.

Table of contents translated:

Ryskin, S.E., Shamov, A.N. - Induction heating in forges and rolling mills. p. 5.
Glukhanov, N.P. - Electromagnetic processes in a conducting cylinder during induction heating in a circular inductor with a magnetic circuit. p. 23.
Razorenov, N.E. - Automatic control of the temperature of thin tubes with continuous and sequential induction heating in inductors with finite length. p. 36.
Golovin, G.F., Evangulova, E.P. - Hardening of gears using a two-frequency low-power electric generator. p. 55.
Zamiatnin, M.M. - Rate of carbon diffusion during the transformation of laminar perlite to austenite. p. 64.
Golovin, G.F., Zimin, N.V. - Study of shower-type quenching. p. 70.
Shekalov, A.A., Korsak, A.A. - A new high coercive alloy for permanent magnets. p. 82.
Bamberg, E.A., Dorofeeva, E.S., Dresvin, S.V. - Use of a ring discharge in the derivation of high-temperatures. p. 97.
Sudakov, P.M. - The FEP-60 photoelectric pyrometer. p. 108.

Glukhanov, N.P., Ganzburg, L.B. - Shielded synchronous magnetic clutches. p.114.
Bamberg, E.A., Lipavskaia, N.E., Malkova, G.M. - Development of high-frequency stoves for food preparation. p.121.
Tikhomirov, V.G. - Design of an induction heating transformer. p.131.
Speranskii, G.A. - New scale of frequency bands for industrial enterprises using RF systems. p.137.

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. *Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti* [State Committee for the Coordination of Research in the U.S.S.R and the Scientific Technological Society of the Power Industry]. Moscow, vol.19, no.6, June 1964.

Table of contents translated:
Sheidin, S.A. - Standardization of the expenditure of electric power in tin plating. p.2.
Filatov, A.A. - Suspension system for case hardening of small components without the use of forms. p.6.
Gladilin, L.V., Shchutskii, V.I. - Norms on insulation resistance in electrical systems in mines. p.7.
Kuprits, IU.A., Khromov, A.M. - Automation of electric drives with synchronous motors. p.10.
Chepelo, IU.M. - Cylindrical electric motor with external runner. p.12.
Kravchenko, A.S. - Regulation of jet relays in the cooling systems of high-frequency devices with electronic generators. p.13.
Bakhir, IU.V. - Practice of placing compensating systems in oil fields. p.14.
Solov'ev, G.B. - Device for determining the polarity of constant magnetic fields. p.16.
Gladkikh, P.A. - Vibration of piston-type compressors. p.16.
Gusev, V.V. - Shortcomings in the regulation of piston-type compressors by suction choking. p.21.
Pochtar', V.P. - Multinozzle natural gas burner. p.22.
Nudler, G.I. - Concerning M.B. Khalamelzer's article "Automation of industrial air conditioning systems." p.24.
Ermilov, A.A. - Complex technological and economic decisions in the electric power supply of industrial enterprises. p.26.
Mirer, G.V., Tul'chin, I.K. - Calculation of four-wire lighting networks with gas discharge lamps. p.30.
Vol'fkovich, IA.E. - Introduction of new power ratings and electric power distribution networks in industrial enterprises in the U.S.A. p.32.
Clarification of "Safety engineering regulations for operating electrical systems of industrial enterprises." p.35.
In brief about new developments. p.40.
Discoveries and inventions. p.42.
Concerning V.I. Iog and I.N. Berezovich's article "Change in the electrical network of a machine for disassembling and assembling precast forms in large-panel construction of dwellings." p.43.
Faerman, A.L. - Emergency drainage of transformer oil. p.45.
Pikman, I.IA. - "Handbook on electric lighting networks" by L.A. Raitsel'skii. p.46.
Sectional low-pressure water heating boilers manufactured in 1964. p.47.
LT-series magnetic logic elements. p.48.

RADIO. Organ of Ministerstvo sviazi SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no.3, Mar. 1964.

Table of contents translated:
Contribution of radio amateurs to technological progress. p.1.
Bolitskii, I., Naumenko, I. - Designers and metallurgists are aiding chemists. p.3.
Our wonderful girls. p.4.
Borisova, I. - The "Smena" radio club. p.5.
Masters advice to masters. p.6.
Rosliakov, F. - Practice before the Spartakiada. p.7.
Zhuikov, S. - Physical conditioning of a "hunter." p.10.
Belevich, G. - Their creative work affects our lives. p.12.
Kazanskii, N. - Shortwave competitions in Europe. p.13.
Ultrashort waves. p.14.
CQ SSB. p.16.
Bezymenskii, G., Penkin, D. - Friends meet again. p.18.
Prikhod'ko, A. - Teaching machines. p.19.
Naidenov, B., and others. - Examiner and coach. p.21.
Lapovok, IA. - Shortwave radio transmitter-receiver p.23.
Kuchis, E., IAzbutis, T. - Tachometer based on the hall effect. p.26.
Lutsuk, V. - Ultrasonic generator. p.27.
Malyshev, S., Protopopov, S. - A stable transistor amplifier. p.28.
Krasheninnikov, S. - Television channel switch for 2-3 television channels. p.30.
Repaired by amateurs. p.32.
Zelenov, B - Beyond the zone of certain reception. p.33.
Kochetov, A. - Transistor superheterodyne receiver built from "Turist" radio components. p.34.
Stepin, I. - Frequency converter. p.36.
Vasil'kevich, I. - Transistorized automatic gain control stages. p.38.
Nosov, V. - Transformerless low-frequency amplifier. p.41.
Vasil'ev, G. - Sound recording with variable pitch. p.43.
Meerzon, B. - The microphone and the recording of sound. p.46.
Dodonov, E. - Multichannel electronic switch. p.50.
Lomakin, L. - Two-channel electronic switch. p.52.
Reference sheet. p.57.
Through the pages of foreign magazines. p.59.
Our consultations. p.62.
Exchange of experience. pp.31, 37, 44, 51, 53, 54, 55, 56, 58, 61.

*RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.9, no.4, Apr. 1964.

Table of contents translated:
Bol'shakov, I.A., Vatollo, V V., Latysh, V.G. - Methods for the joint detection and measurement of an unknown number of signals based on the theory of random points. p.563
Grushko, I.I - Structural features of a class of optimum linear codes. p.571.
Grigorin-Riabov, V.V. - Pulse generators with complex two-terminal feedback networks. p.576.
Vasil'ev, E.N., Seregina, A.R., Kamenev, V.G. - Excitation of an ideally conductive body of rotation with a sphere on its axis. p.581.
Vorontsov, IU.I. - Properties of delay lines with tunnel diodes. p.590.
Lugovoi, V.N. - Resonator-type parametric amplifier and generator. p.596.
Baskakov, S I. - Excitation of a beam waveguide. p.607.
Maslennikova, V.V. - Ferrite sphere in a coaxial waveguide. p.616.
Nikol'skii, V.V. - Fourier method for hollow systems with complex form and anisotropic nonuniform filling. p.625.
Zabolotikov, IU P. - Method for determining the reflection coefficient in the incidence of a H_{10} wave on a nonsymmetrical diaphragm in a rectangular waveguide. p.634.
IAsnopol'skii, N.L., Karelina, N.A. - Effective secondary electron emitter from cesium coated magnesium oxide in shot operation. p.643.
Kostrov, B.V., Nefedov, E.I. - Diffraction on a wide slot in a wide waveguide, p.649.
Sokolov, IU.F. - Experimental study of thin p-i-m junctions. p.660.
Avak'iants, G.M., Leiderman, A.IU. - Effect of the recombination speed in a nonrectifying electrode on the volt-ampere characteristic of a steep p-n junction. p.670.
Kovalev, A.N., Serebriannikov, P.S. - Numerical calculation and comparison with experimental data of the volt-ampere characteristics of a germanium tunnel diode. p.676.
Strikha, V.I. - Calculation of the volt-ampere characteristic of a point metal-semiconductor contact taking into account an oxide film. p.681.
Ravich, IU.I. - Calculation of a longitudinal photoeffect in a two-coordinate photocell. p.688.
Nikolaenko, N.S. - Method for designing transistor amplifiers with multiloop feedback. p.693.
Davydov, V.S., Mel'nik, O.N. - Transistorized logarithmic amplifier. p.710.
Aronov, D.A., Rabinovich, F.IA. - Some studies of the volt-ampere characteristics of tunnel diodes. p.716.
Kogan, Sh.M., Sandomirskii, V.B. - Effect of a quantizing magnetic field on secondary electron emission. p.724.
Reikhrudel', E.M., Sheretov, E.P. - Discharge ignition in high vacuum in a cylindrical cold-cathode magnetron. p.728.
[illegible]
[illegible]
[illegible]
Uspenskii, A V. - Possible mechanism of the pulsations of optical masers. p.747.
IAvich, L.R. - Local reflection coefficients of junctions with an arbitrary number of steps. p.750
Antakov, I.I. - Electromagnetic waves in a ridge-type waveguide with nonuniform filling. p.752.
Fedorchenko, A.M. - Convective and absolute instability. p.754.
Artem'ev, V V. - Emission of two electrons during photoeffect in a Cs - Ba cathode. p.756.
Strukov, I A, Elkin, V S - Study of the dynamic breakdown phenomena in semiconductor diodes at microwave frequencies. p.757.
Nemchenko, R.L., Strakovskaia, S E. - Emission properties of an Au - Ba system. p.761.
Goryshnik, L L., Kravtsov, IU.S. - Second All-Union Interuniversity Conference on the Theory and Methods for Calculating Nonlinear Electrical Circuits. p 763.

Vol.9, no.5, May 1964.

Table of contents translated:
Kul'man, N.K - Optimum detection of an amplitude modulated signal in noise using a synchronous detector. p.771.
Eremin, A.S. - Noise in an amplifier with parallel feedback. p.780.
Morugin, L.A. - Calculation of pulse front duration at the output of nanosecond band relaxation oscillators. p.784.
Sediakin, N.M. - Coincidence of the pulse of steady dependent currents. p.791.
kulikov, E.L. - Variation method for calculating periodic waveguides with losses. p.800.
Maslennikova, V.V. - Calculation of waveguides containing ferrite spheres using a circuit theory *analysis method p.805.*
Akhmanov, S.A., Dmitriev, V.G., Modenov, V.P. - Frequency multiplication in nonlinear dispersion lines. p.814
Marchenko, V.F., Trofimenko, I.T. - Experimental study of a subharmonic microwave generator. p.822.
Badlevskii, IU.N. - Current harmonics in the electron beam of a traveling-wave tube. p.830.
Sakharov, I.E., Liventseva, I.F. - Injection of an electron beam into plasma in a strong magnetic field. p.838.
Bonshtedt, B.E - Calculation of the aberrations of *cathode lenses. p.844.*
Gribnikov, Z.S. - Junction transistor diode with steep transitions at high current level. p.851.
Abkevich, I.I. - Voltage-ampere characteristics of diodes with rectifying contacts. p.861.
Avak'iants, G.M., and others. - Some laws governing the voltage-ampere characteristics of long diodes. p.868.
Bondarenko, V.N., and others. - Effect of thermal treatment and some coatings on the velocity of Si and Ge surface recombination. p.876.
Mesiats, G.A., Usov, IU.P., Korshunov, G.S. - Study of the breakdown delay time of gaps with irradiation for use in nanosecond pulse techniques. p.882.
Saiakhov, F.L. - Propagation of cylindrical space charge waves p.888.
IAnkina, A.A. - Steady operation of a plane magnetron. p.890.
Bakhrakh, L.E., Selimov, B.K. - Thermal velocities effect in a hollow cylindrical electron beam. p.893.
Matveev, O.A., Ryvkin, S.M., Tarkhin, D.V. - High-speed Ge surface-barrier photodiodes. p.895.
Gribnikov, Z.S. - Effect of the emitter efficiency on transient characteristics of a transistor. p.896.
Berkovskii, F.M., Kasymova, R.S. - Negative resistance of irradiated Ge and Si diodes. p.899.
Rakitin, S.P., Fomenko, V.S., Paderno, V.N. - Some results of the use of carbides of transient metals in cathodes of electronic devices. p.902.
Bronshtein, I.M., Shchuchinskii, IA.M. - Energy distribution of the secondary electrons of the fourth period. p.904.
Balashov, I.F., Ermankov, B.A. - Frequency characteristics of photoelectric multipliers p.907.
Volosov, V.I., Chirikov, B.V. - Skin effect in transient operation. p.910.
Lantsberg, G.S. - Books on radio engineering and electronics for 1964. p.911.

Vol.9, no.6, June 1964.

Table of contents translated:
Riadov, V.IA., Furashov, N.I., Sharonov, G.A. - Measurement of the transparency of the atmosphere in the 0.87 mm. band. p.943.
Fel'd, IA.N. - Diffraction of an electromagnetic wave on double semi-infinite nonsymmetrical arrays. p.950.
Vitkevich, V.V., Babii, V.I. - Radio interferometer with frequency multiplication. p.960.
Lezin, IU.S. - Efficiency of a storage system with random number of pulse signals. p.966.

Ponomarev, IU.V., Rylov, V.A. - Study of phase switching processes in a parametric generator. p. [illegible].
Shevchik, V.N. - Start conditions in E-type generators. p. 983.
Kuraev, A.A., Romanov, B.N. - Effect of the reflected load on the start conditions of a belttron. p. 914.
Melamid, A.E., Khlebnikov, N.S. - Interference method for studying complex photocathodes. p. 1001.
Melamid, A.E., Khlebnikov, N.S. - Optical constants and other characteristics of complex photocathodes. p. 1009.
Khlebnikov, N.S., Melamid, A.E., Kovalev, T.A. - Effect of a gas discharge and optical feedback on the origination of delayed pulses at the output of a photoelectric multiplier. p. 1020.
TSyrlin, L.E., Sapozhnikov, L.B. - Scattering of electrons by a potential barrier. p. 1029.
Karakushan, E.I., Stafeev, V.I., Shtager, A.P. - A two-base magnetodiode. p. 1034.
Shtager, A.P., Stafeev, V.I. - N-type characteristic of a two-base diode. p. 1040.
Litovchenko, V.G., and others. - Study of slow changes in the work function and surface conductivity of Si and Ge. p. 1047.
Krolevets, K.M. - Experimental study of the operation of longitudinal photoelectric diodes. p. 1055.
Levin, B.R., Serov, V.V. - Distribution of the periodic function of a random quantity. p. 1065.
Kulikovskii, A.A. - Stable circuits containing active quadrupoles. p. 1067.
Salomonovich, A.E., Braude, B.V., Esepkina, N.A. - Measurement of the parameters of highly-directional antennas in the nearest zone. p. 1069.
Minkovich, B.M. - Antenna radiation pattern representation in the form of the sum of Λ-functions. p. 1073.
Kaznacheev, IU.I., Gorshkova, N.K., Kolesnikova, N.A. - *Energy losses in a plane curve of an optical waveguide.* p. 1076.
Ulanova, V.A., and others. - *Frequency multiplier* with nonlinear capacitance and high Q circuits. *p. 1079.*
Derlugin, I.A., Iliashenko, N.I. - Frequency dependence of ferrite noise in the microwave band. p. 1081.
Kuraev, A.A., Shevchik, V.N. - Special feature of the interaction of a relativistic helical flow of electrons with an electromagnetic wave. p. 1083.
Petin, G.P. - Analysis of a self-matched solution for a transverse-current tube. p. 1086.
Vasil'ev, E.I., Lopukhin, V.M. - Excitation of harmonics in the pumping space of electronic parametric amplifiers. p. 1087.
Dedkov, S.V. - Average capacitance of the p-n junction in a parametric amplifier with sinusoidal pumping current. p. 1090.
Baranov, L.I., Selishchev, G.V. - Inertial characteristics of p-n junction diodes at a low leakage rate of the minority carriers through the nonrectifying contact. p. 1092.
Zubenko, IU.V., - Field emision of Re coated with Th. p. 1096.
Agaikin, V.S., and *others.* - *Eleventh Conference* on the Physical Principles of Cathode Electronics. p. 1099.
N.S. Khlebnikov, obituary. p. 1114.

REFERATIVNYI ZHURNAL: AVTOMATIKA, *TELEMEKHANIKA* I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 7, July 1964.

REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1964.

REFERATIVNYI ZHURNAL: IADERNYE REAKTORY [Otdel'nyi vypusk 50 [JOURNAL OF ABSTRACTS NUCLEAR REACTORS (Separate Issue 50)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964

REFERATIVNYI ZHURNAL RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS RADIO ENGINEERING AND TELECOMMUNICATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 6, June 1964. Predmetnyi ukazatel' za 1963 g. [Subject Index for 1963].

RIGA POLITEHNISKAIS INSTITUTS. Zinatniskie raksti Uchenye zapiski Rizhskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE Studies]. Vol. 7, 1962, vol 8, 1963. Elektroenergetikas fakultate Elektroenergeticheskii fakul'tet [Electric Power Faculty], nos 3-4

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, elektromekhanika [Ministry of Higher Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus]. *Novocherkassk*, vol 7, no. 4, 1964.

Table of contents translated:

Balashov, K.K., Pullo, G.V. - Electromagnetic process in transformers and autotransformers. p. 395.
Linkovskii, Zh.B., Morozov, V.K. - Determination of an optimal "impulse transfer function" in linearizing a nonlinear control object having one input and one output. p. 405.
Grishin, V.A. - Determination of the local coefficient of thermal conductivity in high-voltage insulation using a continuous heat compensation technique. p. 410.
Troshin, V.A. - Comparison of group-type and individual excitation systems of synchronous motors. p. 416.
Tigranian, A.Kh. - Optimal design of transformers with field excitation control. p. 423.
Akodis, M.M., Gel'man, M.V. - Study of the grid circuit of a multistage frequency converter. p. 426.
Gol'dshtein, E.I. - Design of optimal smoothing chokes. p. 436.
Khlebnikov, S.D., Zasypkin, A.S. - Modeling of single-phase bridge rectifiers with ideal valves using analog computers. p. 444.
IAkubovskii, V.IA. - Mathematical model of an inverter unit. p. 456.
Nikitenko, A.G., Ovsiannikov, V.V. - Calculation *of the dynamic* characteristics of electromagnets with rectified voltage feed. p. 464.
Pustynnikov, V.G., Anisimov, S.D. - Electronic device for controlling quality in thermal treatment of steel components. p. 471.
Shubenko, V.A., Agafonov, IU.P. - Effect of initial conditions on the nature of pulsed control of asynchronous short-circuited *motors. p. 479.*
Teniakov, E.I. - Analysis of the operation of a translator in saturated *state. p. 491.*
Grigorian, S.O. - Calculation of an electric locomotive system with regulated parameters. p. 500.
Donskoi, A.V., Fomin, A.A. - Calculation of parameters and pondermotive forces of a system of turns inductively coupled with a sphere. *p. 511.*
Fandeev, E.I., Shukshunov, V.E. - Gage for measuring the temperature of a porous moving material. p. 515.
Gandzha, L.I. - Simplified network for controlling a counterconnecting *stage of a reversive d.c.* drive. p. 519.
Bilenko, A. - Sixth volume of the Proceedings of the Institute of Electric Locomotive *Manufacture.* p. 520.
F.I. Chernlavskii; on his 60th birthday. *p. 521.*

Vol. 7, no. 6, 1964.

Table of contents translated:

Petrushenko, E.I. - Calculation of current density distribution *in closed current* conductors. p. 647.
Novomeiskii, Z. - Active power, reactive power, and distortion power in electrical systems with periodic nanosecond *processes.* p. 657.
Tuzhik, S.K. - Equations of a self-exciting synchronous generator. *p. 665.*
Mendeleev, I.S., Volokhov, S.A. - Results of the study of some composite d.c. machines. p. 674.
Somikhina, G.S. - *Optimum parameters* of an asynchronous tachometer generator. p. 688.
Perel'muter, M.M. - Effect of the electric drive *system on the dynamic* stresses in a resilient link. p. 698.
Sidorov, O.P., Voronin, N.S. - Stabilization of the angular velocity of d.c. motors by connecting nonlinear resistances into the excitation circuit. p. 704.
Kunitskii, N.P., Ivanov, G.M. - Current regulator in the electric drive of a reversive rolling mill with electronic generator excitation. p. 714.
Borisov, V.A. - *Features of* an automatic control system containing links with invariant action. p. 724.
Smirnov, B.G. - Linearized equation of an *electronic* relay-type amplifier with aperiodic feedback. p. 730.
Kulinich, V.A. - Static single-phase to three-phase current converters for electric power systems. p. 737.
Shain, I.L. - Use of feedback in respect to speed in automatic rectangular-coordinate a.c. compensators. p. 746.
Linkovskii, Zh.B. - Calculation of transient processes in nonlinear automatic control systems. p. 752.
Kochurnov, L.D. - Realization of a special case in the law of the invariance of failures in the theory of reliability. p. 754.
Bortsov, IU.A., Laptev, V.V. - Consideration of delay constant in the simulation of electronic and ionic automatic control systems. p. 757.
Varshavskii, D.S. - Effect of cation exchange in condenser paper on the dielectric losses in the saturating substance. p. 760.
Sinel'nikov, E.M., IAkubovskii, V.IA., Bakhvalov, IU.A. - "Electrical machines" by G.N. Petrov. p. 764.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]. Moscow, vol. 5, no. 8, Aug., 1962.

Table of contents translated:

Venikov, V.A., Astakhov, IU.N. - Construction of a cost scale for overhead power transmission lines p. 1.
Levinshtein, M.L., Shcherbachev, O.V. - Methods for calculating the static stability of complex electrical systems using equivalent regulatory effects of stations and loads. p. 11.
Karinskii, IU.I. - Calculation of longitudinal differential protection systems with compensation for overhead power transmission lines. p. 20.
Puchkovskii, V.V., Miakinin, E.G. - Mechanism of the breakdown of insulation in electrical machines. p. 29.
Mitroshichev, N.V. - Study of electric insulating materials based on epoxide resins at increased temperatures. p. 30.
Sokolovskii, G.G - Astatic speed control system of a section of multiple motor electric drives of a high-speed papermaking machine. *p. 43.*
Epik, I.P., Ots, A.A. - Clogging factor of a furnace operating on pulverized shale. p. 50.
Dzhigit, G.A. - Consideration of the accumulating capability of metal in the equations of the dynamics of a drum boiler. p. 56.
Volkov, N.P., Leonkov, A.M., Khutskii, G.I. - Increase in the operational efficiency of PT-25-90 and T-25-90 turbines. p. 63.
Karpov, A.I. - Resistance of elbows with small curvature radius in pneumatic conveying. p. 71.
Shcherbakov, V.K. - Heat transfer through a wall with longitudinal ribs at large heat flows and surface boiling. p. 78.
Zhuravlev, V.G. - Technical and economic basis for the working capacity of the reservoir of a low-pressure hydroelectric power station. p. 87.
Kovalenko, E.P. - Experimental study of the transverse circulation in a nonsteady rectilinear motion *of a free flow.* p. 95.
Florinskii, A.B. - Precise synchronization unit using transistors. p. 98.
Rumiantsev, IU.G. - Determination of losses in steel beams in a magnetic field of a single-phase current conductor using temperature measurements of their heating. p. 101.
Linnichenko, N.N. - Criticism of classical methods in theoretical electrical engineering. p. 105.
Emets, P.P. - Experimental system for measuring pressure on the rotor blades of a rotating turbomachine. p. 109.
Chernobyl'skii, I.I., Pavlishchev, M.I. - Experimental study of critical thermal currents in the boiling of a water and alcohol mixture. p. 113.
Vorob'ev, V.T. - Electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. p. 116.
Rozhavskii, S.M. - More about electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. p. 117.
Makarov, A.A. - Choice of steam turbine types for prospective heat and electric power plants. p. 118.
Stul'nikov, N.P. - Large gas turbines. p. 123.

Vol. 7, no. 5 May 1964.

Table of contents translated:

Kostenko, M.V., Ivatsik, E.E. - Checking the operation of tubular dischargers in lightning protection systems of rotary machines using an actual overhead power transmission line. p. 1.
Zelinskii, E.S. - Carrying capacity requirements of the resistances of magnetic-valve dischargers. p. 9.
Voronin, A.N. - Nearly optimal voltage regulation of a generator. p. 14.

[illegible]

[illegible]

Sh[illegible] M.A. - Automatic line for polishing panels. p.21.

Mechanizing the finishing of furniture panel elements. p.24.

[illegible], A.I. - Using urea formaldehyde resin for gluing [illegible] by the cold method without [illegible]. p.27.

[illegible] p.31.

[illegible] p.33.

[illegible] p.34.

[illegible] p.36.

[illegible] p.40.

[illegible] p.41.

[illegible] p.42.

[illegible] p.43.

[illegible]

Table of contents translated:

[illegible]

Table of contents translated:

Nosovich, [illegible] - [illegible] the seven-year plan in the light industry of the Ukraine. p.3.

Orlov, [illegible] - [illegible] its properties and use in the clothing industry. p.7.

Dekalenkova, T.N., Sventoll'ska, Z.V. - Use of polyurethan porous plastics in the manufacture of backed textile fabrics. p.10.

Sobolev, D.I. - Manufacture of mixed lavsan viscose fibers on cotton spinning machinery. p.13.

Bystrenko, N.G. - Fabrics with new structures manufactured by the Darnitsa Silk Mills. p.15.

Kosovits'kyi, N.IA., Bakhareva, R.IA., Kludin, V.D. - Manufacture of outerwear knit goods with openwork pattern on the cotton knitting machines. p.17.

Solonel'son, N.I. - Design and development of clothing models to be made from standardized parts. p.19.

Khrypko, A.H., and others. - The ASD-1 unit for drying chrome leather in a dynamic state. p.21.

Druzhinin, M.V., Muzurov, M.IA. - Dyeing of elastic capron and cotton yarn on bobbins. p.25.

Mikhailenko, P.I., and others. - Dyeing of lavsan fibers with dispersion dyes. p.27.

Tkachenko, N.O., and others. - Determination of felt [illegible]. p.30.

Skakov'ko, I.P. - Improving the wear resistance of viscose and blended fabrics. p.30.

Kladblova, A.F. - Warping from soft package bobbins. p.31.

[illegible], P.M., Perl'ska, A.V., Men', [illegible] - Improvements in the silk industry. p.33.

Petrov, V.M. - Spray nozzle for air humidification in air conditioners. p.34.

Pavlov, V.O., [illegible], Babatzhanov, [illegible] - Attachment for cleaning the spindles of spinning machine press rollers. p.35.

[illegible] - [illegible] type machine. p.36.

[illegible] - Stationary [illegible]. p.37.

[illegible] - Machine for baling hemp stalks. p.38.

Artiian, A.A., [illegible] - Mechanism for reducing the size of pattern cards for the [illegible] looms. p.39.

[illegible], V.A., [illegible] - Woven [illegible] fasteners. p.41.

[illegible] - Drive for the spindle of the automatic [illegible] winding machine. p.42.

[illegible] - Use of cotton knitting machines for the manufacture of cotton [illegible] and plated hosiery with unlooped round heel. p.44.

[illegible] - Attachment for the winding of [illegible] yarn on flat purl knitting machines. p.45.

[illegible] - Single sheet [illegible]. p.46.

[illegible], V.F., [illegible] - Improvement of handling operations in the garment cutting department. p.47.

[illegible] - Efficient method for [illegible] technical norms with an accuracy up to 0,5 mm. p.49.

[illegible], O.V. - Transparent plane table for measuring pattern areas. p.50.

[illegible], M.H., and others. - Plastic sealing of seams and [illegible] articles made from nylon fabrics. p.51.

[illegible] - Improvements in the "[illegible]" Clothing Factory in Kharkov. p.52.

[illegible], V.P. - Technological development of the upper part of lasts for the design and calculation of shoe upper styles. p.54.

[illegible], A.M., [illegible], V.M. - Rolls for heel polishing. p.57.

[illegible], V.S., and others. - Use of a shellac [illegible] for [illegible] chrome pigments. p.58.

[illegible], I.V., and others. - Use of ammonia soap for the fat liquoring of stiff leather. p.59.

[illegible], [illegible] - Synthetic copper latex and their application in the manufacture of rubber footwear. p.59.

[illegible]'kyi, IA.IU., [illegible], V.A., Fridman, L.A. - Automatic device for flaying and piling of hides. p.60.

[illegible], N.S. - Strengthening of glass containers by means of protective organosilicon coatings. p.61.

[illegible], H.V., [illegible], [illegible] - Decoration of porcelain ware with cobalt sub-glaze paint. p.63.

[illegible], V.M., [illegible] - Automatic control of kilns with walking floors for porcelain firing. p.65.

[illegible], O.F., [illegible]'kyi, [illegible] - Study of the [illegible] process in the porcelain mass. p.69.

[illegible], V.I., [illegible] - Improving the planning and accounting of production costs in the clothing industry. p.72.

[illegible], V.M. - In the economic councils of the Ukraine. p.77.

[illegible], IA.K. - International symposium on nonwoven textile fabrics. p.77.

[illegible]'ka, L.V. - Special exhibition of nonwoven fabrics. p.79.

Clothing styles for 1964. p.80.

[illegible], V.P. - Scientific and technological conferences on the new type of shoe machinery. p.81.

Foreign information. p.82.

MOSCOW. TSENTRAL'NYI NAUCHNO ISSLEDOVATEL'SKII INSTITUT SHVEINOI PROMYSHLENNOSTI. Nauchno issledovatel'skie trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE CLOTHING INDUSTRY. Scientific Research Papers] No. 11, 1962

Table of contents translated:

Kaiser, B A, Sitnikov, N. L, Starshinova, S.K. - Type TMS-1 and TMS-2 conveyors for small outputs with recirculation of intermediate products in boxes. p. 5

Rabinovich, E R - Semiautomatic Class 68-A PMZ machine for printing and attaching tags to the cut parts of clothing. p. 20.

Zaitseva, V P - New developments in the tailoring of trousers. p. 36.

Safronova, I V. - Deformations of the fabric during stitching on bobbin sewing machines. p. 54.

Diablova, L D. - Developing an efficient method for edge creasing on garment parts in the assembly of subassemblies by means of adhesive powder. p. 64.

Eterman, A.I., Leibman, E.IA., Leibman, S.IA. - Heating of garment pressing systems by means of ferrosilicon semiconductor plates. p. 85.

Leibman, S.IA., Leibman, E.A. - Small steam generator with automatic level control. p. 107.

Ushakov, A.A., Alekseev, B.K. - Two-position hydraulic press for the processing of collar and cuffs on men's shirts. p. 115.

Ovchinnikova, M.M. - Parallel method for the final wet-heat processing of outer garments with the POR-3 press. p. 124

MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE] Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U S S R] Moscow, vol. 30, no 2, Feb 1964

Table of contents translated:

Platonov, A - Our current and future plans p 1

Preparation of the grain receiving enterprises of the Russian Federation for receiving and disposing of the grain of the 1964 crop p 3

Aleshina, M - At the Karaganda Mixed Feed Plant. p 5

Chudakovskii, N - Enrichment of mixed feeds with antibiotics and vitamins at the Sal'sk Mixed Feed Plant p 6

Halgauz, A - Mixed Feed Plant at the Frunze Milling Combine p 7

Popov, V - Preparing earcorn and corncobs for forage mixtures p 9

Cherniaev, N, Zhuravlev, V. - Air conduit as a promising means of intrashop conveying p 9.

Platonov, P, Mitrofanov, IU. - Contactless commutator with distributed selective cells in the control systems for elevators. p 12

Sinel'shchikov, V, Sosedov, N., Riazantseva, M - Chemical preservation of grain, sunflower seeds, and castorbeans with high moisture content p 15.

Virnik, I, Malykh, G - Improving the electric circuits of the ZGS grain loader in the elevator of the Chelyabinsk Milling Combine. p. 17.

Is'emini, I - The TST 100/65 scraping conveyor. p. 18.

Kvetnyi, M - Conference of inventors and innovators. p 19.

Brief news p 21

Production of mixed feeds in England, France, and Italy. p 22

Secure the chemical treatment of tarpaulin. p. 28

Continuous grain processing at the Apostolovo Elevator. p. 28.

Golandskaia, IU - Need of uniform methods of observing the performance of machines during their testing. p. 28

Levin, A., and others. - Studying the possibility of the utilization of infrared rays in drying and disinfecting grain p 29.

Tartakovskii, M. - Export, storage, and processing of grain products in various countries. p. 32.

Ponomarev, N. - Flour mills at the Bol'shoi Kamennyi bridge in Moscow. p 32.

Shalerman, M - Repairing technical equipment, a book review p. 3 of cover

Petr Ivanovich Regida; an obituary. p. 3 of cover.

Vol. 30, no. 4, Apr, 1964.

Table of contents translated:

Editorial: Investigate the economics of production more thoroughly. p. 1.

Shashurin, P., Boiko, P., Latyshev, V. - Struggling for the title of enterprise of communist labor. p. 3.

Meshakin, S. - For making work conditions easier and more sanitary. p. 6.

Teniaev, D. - Observe the procedure for paying for grain. p. 8.

Krasnozhon, V. - Continuous corn processing at the enterprises in Dnepropetrovsk Province. p. 10.

Sorokin, V. - Distributing and processing peas at grain receiving stations in Bashkiria. p. 11.

Tartakovskii, M. - Make use of the achievements of chemistry at enterprises for corn storage and processing. p. 12.

Abramov, A. - Chemical additions to mixed feeds. p. 15.

Virnik, I. - Wild oat separators at the drying and cleaning tower Ik of the Chelyabinsk Milling Combine. p. 17.

Godulianov, N., Dorogush, V. - Amend the All-Union State Standard 3040-55 "Grain. Quality determination methods." p. 17.

Kvetnyi, M. - Using gas thermometers in grain dryers. p. 18.

Ral'tsevich, V. - Standardized sliding construction formwork. p. 19.

Brief news. pp. 21, 3 of cover.

Timokhin, N., Chirkin, I. - Readers discuss the problems of the improvement of planning and calculating the costs of grain receiving enterprises. p. 22.

Golovko, L. - Recording the work of the business accounting section of a grain receiving enterprise. p. 24.

Plakhotniuk, B. - Structure of the grain products administration. p. 25.

Danilin, A. - Technique and technology of processing grain into flour abroad. p. 26.

Pafusov, F. - Organized fire protection of enterprises. p. 30.

Orlov, A. - Introduce the recording of the fulfillment of production norms. p. 30.

Bulychev, I. - We clean barley seeds of smuts with gravity seed cleaners. p. 30.

Issers, F., Semenov, V. - Silo structures of precast reinforced concrete in the German Federal Republic. p. 31.

Krsheminskii, V., and others. - A useful manual on the utilization of sieves. p. 32.

OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the R.S.F.S.R.] Moscow, nos. 5-6, May-June 1964

REFERATIVNYI ZHURNAL. LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, June 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry]. Moscow, no. 6(36), 1963

Table of contents translated:

Nesterov, V.P. - Analyzing the stability conditions of correlation between the physical and mechanical indices of leather properties. p. 3.

Zybin, A.IU. - Common characteristics of the mechanical properties of shoe-upper leather. p. 9.

Lazarenko, V.M. - Determining the stiffness of textile materials. p. 21.

Ryzhnikova, A.M. - Methods for determining thread raveling in the cutting of fabrics p. 25.

Ovechenko, N.G., Fedotov, G.V., Pavlov, S.A. - Structural and mechanical characteristics of nonwoven fibrous film systems. p. 32.

Beloshtan, A.P. - Causes of the formation of the split effect in leather. p. 39.

Dzhanashiia, G.I. - New methods for evaluating the properties of semiprocessed products manufactured from pigskin. p. 47.

Golovina, G L., Rajackas, V.L., Zybin, IU.P. - Determining the height of the shoe upper heel part in designing low shoes and pumps. p. 57.

Elen, B.L. - Calculating the correlation in combined designs for shoe uppers. p. 62.

Breev, B.D., Kedrov, L.B., Sledkov, G.K. - Deformation of materials in the volumetric forming of shoe upper parts. p. 70.

Zybin, IU.P., Volkova, E. - Creation of comfortable conditions for the foot in airtight footwear. p. 78.

Polukhin, V.P., Zak, K.S., Nikiforov, V.M. - Dependence of thread tension on the curvature of the contour. p. 83.

Borovskii, V.N., Serdiuk, V.P. - Theory of the losses in a chain speed variator. Report No. 2. p. 89.

Kremenshtein, L.I. - Reduced throw. p. 104.

Peisakh, E E., Sheino, L.S. - Installation of spring shock absorbers in cam mechanisms. p. 109.

Gorskii, B.E., Cherniavskii, IA.L. - Effect of the kinematic locking of cam mechanisms on the operative efficiency of automatic machines. p. 114.

Serdiuk, V.P., Platnitskii, A.A., Vdovin, IU M - Power losses in a two-stage worm reducer of the drive of footwear conveyors. p. 123.

Skvarik, V.P., TSenova, L.V. - Methods for measuring the specific pressure on the shoe insole in the hollow of the gluing press. p. 127.

Sannikov, IU.I. - Electromagnetic index pin of the guide of cotton machines. p. 132.

Lebedev, A.M. - Design of the armhole height and sleeve width. p. 138.

Index of articles published during 1963. p 142

g. MECHANICAL ENGINEERING

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut energetiki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Power Engineering Transactions]. Tiflis, vol. 17, 1963.

Table of contents translated:

P.G. Shengeliia; on his 60th birthday. p. 3.

Shengeliia, P G, Zhgenti, L.N. - A case of a mud slide. p. 9.

Modebadze, Z.K. - Water hammer in Kaplan turbines. p. 15.

Shvelidze, T V., Mdivani, N.S. - Synchronism of the annual runoff of large rivers of Northern Caucasus and Georgia and correlative relationship between the rivers. p. 31.

Svanidze, G.G., Toroudzhadze, A.F. - Calculating the capacity of a regulatory reservoir over a period of years using functional equations. p. 39.

Shul'ts, G.M. - Construction of expenditure characteristics and characteristics of relative increments for hydroelectric power stations of the power system of the Georgian S.S.R. p. 51.

Dovadariani, IU.S., Shul'ts, G.M. - Optimum load distribution between the electric power plants of the Georgian S.S.R. p. 63.

Mandzhavidze, N.F. - Study of the stability of steady-state conditions of hydroelectric power stations with long equalizing reservoirs on a pressure diversion structure. p. 77.

Meskheli, K.P. - Wave motion of a sand mass. p. 95.

Mechitov, I.I., Kurdgelashvili, N.G. - Water balance of the Alazani River Basin. p. 105.

Edilberidze, M.G. - Problem concerning the determination of the natural runoff regulation of rivers in Georgia. p. 115.

Lortkipanidze, B.G. - Method for calculating limited upper currents in cathode protection. p. 123.

Tavdgiridze, L.N. - New integrator for slowly varying d.c. signals. p. 136.

Khomeriki, I.V. - Periodicity of the fluctuation of runoff in connection with runoff control over a period of years. p. 153.

Mgaloblishvili, L.I. - Effect of the voltage level on the thermal conditions of traction motors. p. 161.

Meliia, G.T. - Absorption of solar radiation and self-radiation of materials used in solar energy technology; glass and enamel with a film of tin dioxide and white tin with a lead sulfide film. p. 169.

Solomoniia, O.G. - Establishment of an optimum irrigation system using a distribution technique. p. 177.

Muskhelishvili, A.I. - Use of electricity in food preparation in the Georgian S.S.R. p. 187.

Solomoniia, O.G., Abaishvili, D.S. - Some parameters of the effectiveness of sprinkler irrigation. p. 195.

Ter-Oganesian, R.R. - Operation of current conductors with leakage and different parameters in different sectors. p. 201.

Kashakashvili, V.P. - Intermediate taps in 220 kv. networks in the interconnected power system of Transcaucasia. p. 219.

Asatiani, D.I. - Consideration of expenditures due to distance and dynamics of the growth of electric power consumption in economic calculations of traction current supply. p. 229.

TSkhvirashvili, D.G., Gotsiridze, V.D. - Special features of the transition of some substances into water vapor. p. 239.

Zhorzholiani, A.G., Chipashvili, O.N. - Semi-industrial experimental cyclone furnace stand of the Institute of Power Engineering of the Academy of Sciences of the Georgian S.S.R. and preliminary experiments on the burning mazut in a cyclone combustion chamber. p. 245.

Buachidze, Dzh. - Study of the aerodynamics of currents in low-pressure injection burners. p. 257.

Svanidze, G.G. - Use of a fragment technique in modeling hydrological series taking into account annual runoff distribution. p. 273.

Nozadze, A.Sh. - Study of "distant ground" in a.c. track circuits. p. 285.

Svanidze, G.G., Reznikovskii, A.Sh., Zubarev, V.V. - Graphs for designing impounding reservoirs for flow regulation over a period of years. p. 287.

AKADEMIIA NAUK SSSR. Izvestiia. Mekhanika i mashinostroenie [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mechanics and Machine Building]. Moscow, no.3, May-June 1964.

Table of contents translated:

Polezhaev, IU.V. - Theoretical analysis of the nonstationary heating and degradation of glass reinforced plastics near the critical point. p 3.
Bam-Zelikovich, G.M. - Some variational problems of the acceleration of a conducting gas in strong magnetic fields. p.9.
Malkapar, G.I. - Viscous fluid flow near angle points of the contour of a solid p.16.
Belotserkovskii, S.M., Skripach, B.K., Tabachnikov, V.G. - Determining coefficients of rotation derivatives in aerodynamic tunnels. p.21.
Goshev, G.A. - Theory of the lifting line of hydrofoil with arbitrary shape in shallow water. p.29.
IAkovlevskii, O.V., Sekundov, A.N. - Fluid flows induced by turbulent jets. p.39.
Barenblatt, G I - Flow of gas-fluid mixtures in crumbling porous rocks. p.47.
Kartvelishvili, N.A. - Continual models and stability in small of dynamic systems consisting of a multitude of similar elements. p.51.
Serebriakova, N.N. - Dynamic clock model on a rotating platform. p.61.
Bliumin, G.D., Chichinadze, M.V. - Unperturbed conditions for a single-rotor gyrocompass. p.71
Zinenko, V.A - Systematic deflexion of a three-axial gyroscopic platform induced by its angular vibrations. p.79.
Novozhilov, I.V., Shatalov, N.V. - Gyroscopic power stabilizer with a dynamic vibration damper. p.87,
Postnikov, V.S., Meshkov, S.I., Shermergor, T.D. - Temperature dependence of the internal friction of a standard linear solid under heavy damping conditions. p 90.
Evdokimov, A.E. - Impact on an elliptic plate supported by a flexible foundation. p.96.
Forsman, N.A. - Carrying capacity of cylindrical tanks with a flat bottom. p.106.
Bykovtsev, G.I., Miasniankin, IU.M. - Theory of the drawing of a rigid plastic strip through curvilinear dies. p.113.
Nemirovskii, IU.V. - Creep equations based on the criterion of maximum reduced stress. p.117.
Sidorin, IA.S. - Experimental investigation of the anisotropy of glass reinforced plastics. p.122.
Ustinov, IU.A. - Design of tired wheels. p.127.
Shalashilin, V.I. - Design of corrugated shells. p.132.
Kozhevnikov, V.I. - Magnitude of critical force at axial compression of a cylindrical shell in linear formulation. p.137.
Guz', A.N. - Stressed state in the vicinity of a circular hole in a shell of revolution having a shallow arc. p.142.
Slepov, B.I. - Vibration and stability of an elliptic shell. p.144.
Rubanik, V.P., Starik, L.K. - Interaction of a complex quasi-linear vibrating system with an imperfect energy source in the presence of combined resonances. p.147.
Kargu, L.I., Okon, I.M., Roberman, L.I. - Motion of a free gyroscope taking into consideration internal friction in flexible elements of its structure. p.152.
Novikov, L.Z. - Elastic characteristics of a radial ball and thrust bearing. p.155.
Gerts, E.V., Kreinin, G.V. - Investigating the unsteady motion of the piston of a pneumatic device. p.158.
Kotliarskii, L.B., Fridman, V.M. - Erosion effect caused by stalling cavitation and acoustic oscillations in the liquid. p.162.
Bondarev, E.N. - Approximate evaluation of the effect of a turbulent boundary layer and specific heat capacity ratio on base pressure beyond a flat recess. p.166.
Rzheznikov, IU.V., Boitsova, E.A. - Conditions for the disturbance of flow steadiness of a wall jet in a flat channel with bulging walls. p.168.
Nefedov, E.I., Khublarian, M.G. - Axisymmetric helical flow through a channel with a given profile. p.173.
Oslatinskii, S.D. - A generalization of Dupuy's formula. p.177.
Skvortsov, V.V. - Effect of the random orientation of impermeable sections on the average hydraulic conductivity of a stratum. p.178.
Nikolaevskii, V.N. - Reply to G.I.Barenblatt, S.S. Grigorian, L.V.Nikitin and R.L.Slaganik's comments on the author's article on the dynamics of fluid saturated porous media. p.183.
Barenblatt, G.N., Grigorian, S.S., Salganik, R.L. - About V.N.Nikolaevskii's reply on comments on his articles. p.187.

AKADEMIIA NAUK SSSR. Dagestanskii filial, Makhach-Kala. Otdel energetiki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Daghestan Branch. Power Department. Transactions]. Makhachkala, vol.1, no.1, 1962. [Hydraulic engineering].

Table of contents translated:

Shikhiev, F.M., Isai, V.M. - Seismic ground pressure. p.3.
Shikhiev, F.M., Mazur, V.IU. - Stresses originating during the approach of vessels to the mooring bollards of locks. p.13.
Isai, V.M. - Theoretical and experimental study of pier structures subject to the action of horizontal forces. p.25.
Isai, V.M. - Study of resilient bollards. p.45.
Isai, V.M., Pogorelov, A.A. - Some special features in conducting underwater construction operations. p.50.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol.42, no.6, June 1964.

Table of contents translated:

Kushchinskii, I. - Main attention should be given to the transportation of harvest products. p.1.
Afanas'ev, L. - Develop the research work in institutions of higher education. p.3.
Mathematics and computing equipment should be used in automotive transportation. p.4.
Afanasenko, V. - Highway transport workers of White Russia at the construction sites of chemical plants. p.7.
Aleksandrin, R. - Active role of voluntary organizations. p.9.
Kuznetsov, V. - Relay of innovations and inventions. p.11.
Razumovskii, IU. - Motortruck driver Aleksandr TSvetkov. p.11.
Zabalueva, Z. - Eliminate industrial accidents. p.12.
Kuznetsov, V. - Integrated brigades at the transportation of silage. p.14.
Polunin, N. - Better use of motortrucks in transporting fertilizers. p.15.
Shpiro, P., Sorokin, A. - Organization of motorbus excursions. p.17.
Guseinov, R. - Transportation of raw cotton in tractor trains with turning trailers. p.19.
Gogolitsyn, M. - Mechanized maintenance of motor vehicles in automotive transportation units. p.21.
Losavio, G. - Investigating starting characteristics and wear caused by the starting of a diesel engine at low temperatures. p.25.
Miroshnikov, V. - Unit and section method for the maintenance and repair of motor vehicles is in action. p.28.
Moshenskii, IU. - Reconditioning of the GAZ-51 crankshafts having cracks. p.29.
Khilavich, A., Tregubov, A. - Repairing the body of the M21 "Volga" automobile. p.31.
Kotsiuba, M. - Repairing body base of the PAZ-652 motorbus. p.36.
Vinogradova, M., Gololobov, M., Koledinova, E. - Cost and distance of freight haulage. p.37.
Baulin, V., TSekhanovich, A. - Using mathematical methods and electronic computers in planning oxygen transportation. p.39.
Gileles, L. - New motor vehicles of the Minsk Automobile Plant. p.43.
Zdanovskii, A. - Unified switching system for external lighting of motor vehicles. p.47.
Traffic organization and safety. p.50.
Exchange of experience. p.54.
Information. p.57.
Abroad. p.59.
Review and bibliography. p.62.
New books. p.63.

LUGANSK. VECHERNII MASHINOSTROITEL'NYI INSTITUT. Trudy [EVENING MACHINERY-MANUFACTURING INSTITUTE. Transactions]. Vol.1, 1962. [Series in machinery manufacture].

Table of contents translated:

Potapov, G.G., Garkovskii, D.A. - Main economic objective. p.3.
Kartashov, I.N. - Relationship between the introduction of equipment and the reduction of labor consumption in the locomotive industry. p.11.
Goronovich, P.I. - Starting principles in selecting parameters of spring suspensions and the methods for calculating free vibrations of the TE7, TE10 diesel locomotives and other locomotives and cars. p.15.
Kirillov, IU.G. - Selecting the type of hydraulic torque converter for high-power hydraulic transmissions of diesel locomotives. p.22.
Goronovich, P.I. - Investigation of free vibrations of the TE7 (experimental) and TE10 diesel locomotives in comparison with other spring suspension systems used in cars, electric and diesel locomotives. p.32.
Sevriuk, V.N. - Involute gear transmissions with a point contact. p.40.
Rumiantsev, B.P. - Organization and some results of the experimental investigation of a motor-driven grab. p.48.
Zelenskii, V.I. - Determining kinematic parameters of an axial flow supercharger from maximum power conditions. p.59.
TSoi, N.G. - Determining free vibration frequencies of floors freely supported along the contour. p.66.
TSoi, N.G. - Determining free vibration frequencies of floors rigidly clamped along the contour. p.74.
Suliga, V.I. - Jigging cycles and conditions for their realization. p.78.
Grach, S.A. - Bending of circular plates with variable rigidity reinforced by central spinning and subjected to the action of a concentrated force in the center. p.87.
Grach, S.A. - Bending of circular plates with variable rigidity reinforced by central spinning and subjected to the action of concenterated loading. p.106.
Zimba, V.V. - Some trinomial equations. p.112.
Didorenko, I.A. - Double-collector frequency changer. p.117.
Didorenko, I.A. - Collector frequency changer with multiple winding. p.120.
Vashchenko, K.I., Sumtsov, V.F., Makarenko, S.F. Elements for the design of pulley-type electromagnetic separators. p.128.
Trailina, E.P., Savich, I.A., Spitsyn, V.I. - Investigating inner-complex compounds of a number of cations formed by Mannich bases. p.138.
Kovalenko, V.V. - Roughness of steel surface subjected to high-speed finish turning. p.143.
Kovalenko, V.V. - Effect of the wear of hard-alloy cutting tools on the roughness of a machined surface. p.149.

MASHINOSTROENIE [MACHINERY MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. on the Coordination of Research]. Kiev, no.1(25), Jan.-Feb. 1964.

Table of contents translated:

Poliakov, D.I. - Objectives of the Ukrainian machinery industry in 1964. p.3.
Bakul', V.N. - Every enterprise should use synthetic diamonds. p.7.
Skripko, G.F., Gol'dman, A.B. - Using synthetic diamond grinding wheels in machining chip-breaking grooves in cutting tools. p.9.
Bychenok, N.F. - Efficiency of the use of plastic materials in the machinery industry. p.10.
Shturman, A.A. - Plastics for preventing the self-unscrewing of threaded joints. p.13.
Alekseev, M.V. - Using plastic caps for preventing damages to metal-cutting tools. p.14.
Makarenko, V.P. - Textolite packing rings in compressors. p.15.
TSyrkin, A.T., L'vovskii, M.M. - Use of ceramic metal parts in the manufacture of diesel locomotives. p.16.
Ivashkevich, V.P., Ketsel'man, V.N. - New polymer material for the machinery industry. p.17.
Ivanov, A.A. - Manufacturing a reinforced concrete bed for the 3A164 grinding machine. p.18.
Rogovin, D.A., Stepanenko, F.V. - Using high-frequency currents in spring coiling. p.22.
Lysak, A.I. - Mechanized spring coiling. p.24.
Kozlov, I.A., Bazhenov, V.G. - Testing stand for rotating disks of turbomachines. p.25.
Shainskii, M.E., Levchenko, A.N. - Machining of part surfaces in vibratory units. p.28.
Kol'chenko, A.V., Osinchuk, Z.P. - Elasto-rigid part joints in sliding bearings and other machine units. p.31.
Loviagin, V.A. - Alignment of mechanical stress amplitudes in rods of ultrasonic oscillating systems. p.34.
Lebedinskii, IU.N., Shvilikh, I.V., Fedorenko, L.V. - Automatic chromium plating area for rods of hydraulic cylinders. p.35.
Revvo, E.B. - Feasibility of enameling cast iron after its heat treatment in protective atmospheres. p.37.
Ionycheva, L.S., Marchenko, N.A. - Electrodeposition of the indium-zinc alloy. p.38.
Bobro, IU.G., Tananko, I.A. - Nitriding of high-strength alloyed cast irons. p.39.

[illegible] A A [illegible] without after[illegible] p 41
[illegible] L [illegible] self-adjusting punches [illegible] trimming plates p 42
[illegible] V H - Pr[illegible] test of steel-aluminum [illegible] p 44
[illegible] I V, S[illegible], I S - Improving the fluidity [illegible] p 47
[illegible] I M, Kamel'ritskaia, IU P - Obtaining [illegible] with a smooth surface [illegible]
[illegible], P P - [illegible] based on vat residues of [illegible] p 52
[illegible], V S - Sand-blast forming line with slid[illegible] p 57
[illegible] G A, [illegible] - Deposition deoxidation [illegible] steel for shape casting p 57
[illegible] I V, Parashin, IU ? - Improving the [illegible] of casting IKhI8N9TL steel p 59
[illegible], A I, Andriash[illegible], IU I - Turnable [illegible] 16-1,5 electric furnace p 61
[illegible], IU N, Lisetskii, N N, Lozhkin, G S - Improving plastic properties of 35KhML steel p 62
[illegible], II S, Radenko, V A, Shenderovich, M B - Specialized shop for founding magnesium cast iron p 63
IA[illegible], L N, Chernetskii, V D, Vernigora, B I - Pr[illegible] of gears of magnesium cast iron. p 6[illegible]
V[illegible], A I, Tutov, V I - Pipe casting by the [illegible] method p 67
S[illegible]liakov, I M - Semiautomatic eight-position milling and finishing machine p 70
G[illegible], I G - Mechanical lapping of conic holes. p 73
[illegible], P F, Seronozhenko, A N - Multiple-purpose drill with a head for removing chamfers from cylindrical parts p 74
S[illegible], V IA - Mechanization of assembling and and welding operations p 35
T[illegible], D P - New technological processes for manufacturing nipples. p 79
Garbuz[illegible], V F - Development of the chemical industry is the most important factor for the progress of agriculture p 80
[illegible], N N - Hydraulic control devices in agricultural machinery p 82
Kaplan, V A - Hydraulic power steering of the T-40 tractor p 85
Svet, I Sh - Improving the technology of the heat treatment of rollers for tractor running gear p [illegible]
Shmar[illegible], I T, Khazanet, L L - Set of machines for mechanized feeding of cattle p 89
Pana[illegible]enko, F D - The KSN-15 root cutter. p 93
The SMD-15KF combine engine. p 94
K[illegible]h, N P - Repair of tractor-engine oil filters with a rotor centrifuge p 94
High efficiency multicyclone air cleaner. p 98
Inventor's certificates and patents p 99.
New books p 102
Brief news p 103
New[illegible] plastics p 104
Czechoslovakian hydraulic presses for processing plastics p 104.
Bychkov, O.D - Using television for the transmission of blueprints of part drawings p 109
Adjusting screw for lifting bottom blocks of punching dies to the same height p. 110.
Feed mechanism for presses and machine tools. p 110
Bending stainless steel pipes p. 110
The "Rast Ol" anticorrosive. p 112.
New brand of cast iron p 112.
Multiple attachment for grinding gear-wheel hubs. p 113
Multiple cutting of slits in nuts. p. 113.
Pads used in the installation of heavy machines and machine tools p. 113.
Movable shop for repairing valve-actuating gears of automobile engines. p 114.
Sugar-beet harvesting combine p. 114.
Repairing driving gear teeth of crawler tractors. p 117.
Review of foreign periodicals. p. 117

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 4, Apr. 1964.

Table of contents translated:
More machines for fields and farms. p. 1.
Mirgaleev, A. - Collective forms of labor organization. p. 2.
Demichev, A.I. - Ten yearly norms carried out in four years. p. 4.
Minenko, N. - In creative research. p. 5.
Saykin, V. - Gram after gram, ton after ton. p. 6.
Suroveshin, V.B. - Mechanized feed of rods on cutting machines. p. 7.
Kellerman, P.M. - Automatic manufacture of oil-removing piston rings from a steel strip. p. 8.
Kuz'min, I.S. - Semiautomatic machine for milling face teeth. p. 10.
Volokhov, V.A., Nekrasov, A.I. - Using styrene-acryl resin in repair work. p. 12.
Levin, Z.D. - Modernization of automatic single-spindle "Indeks" machines for machining piece parts. p. 13.
Bondarenko, IU.N. - Modernization of the M271 molding machine. p. 14.
IAkovlev, A.I. - Modernization of vertical milling machines for contour machining of configurated parts. p. 15.
Lil'ko, I.L. - More on the repair of equipment. p. 18.
Volkov, P.G. - Attachments for machining eccentric and multiaxial parts on lathes. p. 19.
Matsesovich, S.I. - Innovations of efficiency promoters at the "Torfmash" Plant in Velikiye Luki. p. 20.
Pergament, I.M. - Pneumatic attachment for drilling bushings. p. 21.
This can be used in your enterprise. p. 22.
Meshkov, E.D. - Universal pneumatic lever-type vises with a floating cylinder. p. 24.
Goldenko, A.E., Gel'derman, M.A. - High-speed draw-in chuck. p. 24.
Nikitin, N.I. - Grinding attachment. p. 24.
Nemirovskii, L.E. - Device for the displacement of machine tools. p. 25.
Zhukov, V.I. - Floating center. p. 25.
Podvinskii, V.A. - Mechanism for a rapid displacement of the tailstock. p. 25.
Vakhramov, P.P. - Attachment for grinding form cutters. p. 26.
Lisitsyn, A.D., Abramov, IU.V. - Protection screen for grinding machines. p. 26.
Sykalo, I.I. - New boring head. p. 27.
Barger, G.S. - Saving rolled metal. p. 27.
Metechko, V.I. - Machining key beds on lathes. p. 28.
Riabchinskii, N.I. - Attachment for grinding parts with a large radius. p. 28.
Reznikov, A.N. - Diamond machining of parts and cutting tools. p. 29.
Kalachev, IU.A. - Replacing mechanical polishing of organic glass with flame polishing. p. 31.
Brodskii, A.M. - Introducing diamond turning. p. 32.
Kolesnik, N.V. - Vibration working of parts. p. 33.
Liubumovich, B.G., Kravchenko, I.I. - Painting parts of the IK62 machine tool for use under tropical conditions. p. 34.
Zaporoshchenko, V.P., Kuznetsov, P.M. - New technology for manufacturing splined holes. p. 35.
Chirkov, V.G. - Accounting for the standstill of machine tools. p. 36.
Dubodelov, V., Kuznetsov, V. - Activity of the Voluntary Bureau of Labor Organization and Establishment of Norms of the Donets Economic Region. p. 37.
Margules, A.U. - Wood pressing shop. p. 38.
Kuritsyna, A.D. - Antifriction aluminum alloys and the "Al'kusip" alloy. p. 39.
The UZSA-5 ultrasonic welding unit. p. 40.
The UZUP-2 ultrasonic device. p. 41.
Buttonless gun for welding pins. p. 41.
Sikorskii, N. - 400th anniversary of book printing in Russia. p. 42.
TSikurin, N. - Brief handbook on materials used in the manufacture of machinery. p. 43.

No. 5, May 1964.
Table of contents translated:
Toward new achievements to the glory of our native country. p. 1.
Passman, S.I. - Deeds and plans of machine-tool plant workers in Kolomna. p. 2.
Malkov, A. - The pride of the factory. p. 3.
Zaikin, G.G. - Council of innovators is in action. p. 4
Dubnov, L - Okunev's dies. p. 5.
Vorob'ev, S.A., Rokshevskii, V.A. - Electromagnetic conveyor. p. 6.
Grigor'ev, V.A. - Mechanized gauging of cermet bushings. p. 7.
Knysh, P.V. - Automatic machines for punching slits. p. 8
Svetlov, S A. - Swivel table with dust-prevention devices p. 9.
Alferov, V.E. - Improve the organization of electric equipment repair. p. 10.
Loginov, L.N. - Replacing bronze by antimonial cast iron. p. 11.
Perov, E.N - Modernization of gear cutting and shaping machines. p. 12.
Bukhman, IA R. - Electric slag-welding unit for reconditioning dies. p. 14.
Litvinov, L.A., Petrov, G.A. - Reconditioning worn-out ramps. p. 14.
Fedorov, G.A - Universal multiple jig for drilling holes. p. 15.
Pavlov, A.G. - Recommended by the Leningrad council of innovators. p. 16.
This can be used in your enterprise. p 16.
Shusser, I.M. - Combined cutting tool. p 20
Plita, I I. - Standard attachment for machining parts. p. 20.
Viazovoi, IU.A - Pneumatic clamping of pipes for cutting p. 20.
Kropachev, V.P - The VP701 oil-filled track switches. p. 21.
Bortnikov, V.N. - Device for knocking out cutters from bushings. p. 21.
Golod, E.A. - Die for bending rectilinear [illegible] p 22.
Fal'kenshtein, I V. - Cart for gas cylinders p 2[illegible]
Kopeliak, V.M. - Hydraulic vises for power hack saws. p. 23.
Darkin, V.G. - New mandrel for disk form cutters p. 23.
Malovannyi, V.I. - Attachment for machining [illegible] p. 24.
Smirnov, V I. - Combined tools for machining [illegible] p. 24.
Piletskii, A.M. - Universal device for lapping [illegible] parts. p. 25.
Gen'kin, IU I. - Boring bar for machining tailstocks of lathes. p. 25.
Rabets, A.L., Antonov, G.A. - Universal clamping and feeding draw-in chucks for automatic lathes p. 26.
Kuznetsov, I.F., Tabak, A.Kh. - Cutter head for machining gear wheels and racks. p. 26.
Gurevich, I.S. - Device for marking shaft ends for centering. p. 26.
Rodin, I.I. - Universal device designed by K.V Portnago. p. 27.
Klement'ev, N.M, Ermilov, N N. - Bevel-gear cam mechanism. p. 27.
Dul'nev, M I - Automatic moisture eliminator. p. 27.
Altyntsov, A.N. - Screwdriver with ratchet gearing p. 27.
Gorodnev, I.I. - Device for rapid determination of the gas penetrability of molding mixtures. p. 28.
Prokopenko, V.M. - Machine for rolling a pulley p. 29.
Efremov, S.I. - Plastic fixtures for checking. p [illegible]
Kondratov, A.S., Barmin, B.P. - Low frequency vibration damper for lathes. p. 32.
Cherkasskii, P.Z., Brandt, P.A. - Grinding of spherical surfaces in piece production. p. 33.
Alumiae, L.A. - New methods for manufacturing cutting tools. p. 34.
Margules, A.U. - Multiple machining of bearing caps on a drilling machine. p. 35.
Demianko, A.V. - Cadmium plating of cast iron articles with following chromium coating. p 36
Isaev, V. - Cards for the selection of efficient cutting conditions. p. 36.
Gritsai, A.P. - Establishing norms for working capital by the output of finished articles. p 37
Anisimova, M.A. - Determining the cost of a machine tool-hour accounting for the actual loading of equipment. p. 38.
Vakhramov, P.P. - Reducing auxiliary time in machining special pins. p. 39.
Gordon, V.A. - Manufacture and use of diamond tools. p. 40.
Usik, V.S. - Seminar on wear-resistant chromium plating and alloys. p. 41.
Kolesnikov, F.N. - Diamonds in the industry of capitalist countries. p. 42.
Lysiakov, A.G. - Devices for intershop conveying of piece goods. p. 43.
Sirotinskii, P.S. - Casting in molds with gasified models. p. 46.

MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. no. 172, 1964.
Contents: Tikhonov, K.K. [Optimum running speed of freight trains] Optimal'nye khodovye skorosti gruzovykh poezdov. 261 p.

No. 179, 1964. [Problems of diesel engines].
Table of contents translated:
Bolkhovitinov, G. F., - Some characteristics of diesel traction. p. 5.
Grigor'ev, S.N. - Evaluation of the methods for the establishment of fuel consumption norms for diesel locomotives. p. 23.
Makhan'ko, M.G. - Similarity of internal combustion engines. p. 42.
Khazen, M.M. - Consumption characteristics of a gas-turbine plant in electric power stations. p. 80.
Grigor'ev, S.N. - Use of mobile gas-turbine plants for the mechanization of track work in railroad transportation. p. 92.
Makhan'ko, M.G., Erokhin, V.G. - Determining the temperature of engine exhaust gases taking the change of the cylinder volume during the exhaust process into account. p. 101.

Levental', L.IA. - Use of a locomotive gas-turbine engine for the heating of passenger trains. p.106.
Postolenko, A.I., Gorodetskii, M.N. - Results of the testing of a piston locomotive compressor with band-pass and uniflow valves p.117.
Khazen, M.M. - Significance of the boosting of the initial parameters of the steam in heat and electric power plants. p.129.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No.278. 1964.
Contents: Trubikhin, M.G., Fleishman, F.M., Kreinin, A.V. [Principles for the establishment of railroad freight rates in socialist management] Printsipy postroeniia zheleznodorozhnykh gruzovykh tarifov v sotsialisticheskom khoziaistve. 46 p.

PRYKLADNA MEKHANIKA [APPLIED MECHANICS]. Issued by Instytut budivel'noi mekhaniky Akademii nauk URSR [Institute of Structural Mechanics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.10, no.2, 1964.
Table of contents translated:
Ivliev, D.D., Lekenia, I.D. - Stability of a plate subjected to small deformations in the general case of the nonlinear deformation theory. p.117.
Trianin, I.I. - Composite bending of an ortotropic rectangular plate rigidly fastened along the contour. p.124.
Karnaukhov, V.H. - Axisymmetric vibrations of a conic shell. p.131.
Protsenko, O.P. - Effect of the initial flexure on free vibration frequencies of a cylindrical shell. p.143.
Ivanov, O.M. - Natural vibrations of orthotropic shells under the action of a hydrostatic pressure and longitudinal forces. p.149.
Lyzar'ov, O.D. - Determining frequencies and shapes of natural vibrations of restricted frames by means of electronic computers. p.158.
Nazarenko, H.T. - Effect of alloyed steel structure on the shape of the tension diagram in the region of minor plastic deformations. p.166.
Panchenkov, A.M., Stepanov, V.O. - Calculating load distribution along the submerged hydrofoil span. p.173.
Pidstryhach, IA.S., Koliano, IU.M. - Two-dimensional temperature problem in the theory of elasticity for a semi-infinite plate with a thermal source moving along its edge. p.181.
Lytvynov, V.H. - Temperature field in a polymer melt flowing in a circular pipe. p.190.
Karpenko, P.D. - Conformal representation of the appearance of a disk with a hole in it and the application of this representation to the problems of flow about given regions. p.198.
Khoma, I.IU. - Elastoplastic problem for a shallow spherical shell. p.205.
Pozniaia, K.H., IEhidis, B.M. - Investigating turbulent characteristics of a flow under natural conditions. p.216.
Savin, H.M., Rvachov, V.L. - Displacements under the action of a concentrated force p.222.
Golubentsov, O.M., Husakov, I.Z. - Dynamic damping of free vibrations. p.226.
Savin, H.M. - "Differential variational methods of structural mechanics" by V.A.Bovin. p.229
Ulitko, A.T. - Activity of the section on continuum mechanics of the Mechanics Seminar at the Institute of Mechanics of the Academy of Sciences of the Ukrainian S.S.R. p.231.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964. [This journal is also issued in parts].

REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENNEGO SGORANIIA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.6-7, June-July 1964.

REFERATIVNYI ZHURNAL KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBORUDOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 7, July 1964.

REFERATIVNYI ZHURNAL· KOTLOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.6-7, June-July 1964.

REFERATIVNYI ZHURNAL MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL: NASOSOSTROENIE I KOMPRESSOROSTROENIE (Otdel'nyi vypusk 61) [JOURNAL OF ABSTRACTS· MANUFACTURE OF PUMPS AND COMPRESSORS (Separate Issue 61)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL OBORUDOVANIE PISHCHEVOI PROMYSHLENNOSTI (Otdel'nyi vypusk 38) [JOURNAL OF ABSTRACTS: EQUIPMENT OF THE FOOD INDUSTRY (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL· PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964. [This journal is also issued in parts]

REFERATIVNYI ZHURNAL: STROITEL'NYE I DOROZHNYE MASHINY (Otdel'nyi vypusk 60) [JOURNAL OF ABSTRACTS· CONSTRUCTION EQUIPMENT AND ROAD MACHINERY (Separate Issue 60)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.6-7, June-July 1964.

REFERA[illegible] [JOU[illegible] k Issue[illegible] SSSR [illegible] emy of Sciences of the [illegible] July 1964.

REFERATIVNYI ZHURNAL TRAKTORY I SEL'SKOKHOZIAISTVENNYE MASHINY I ORUDIIA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

F[illegible] TRANS- [illegible] parate [illegible] atsii Akademii nauk SSSR [Institute of [illegible] ormation of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

[illegible] VOPROSY TEKHNICHE- [illegible] matsii Akademii nauk SSSR [Institute of [illegible] Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

REFERATIVNYI ZHURNAL ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS RAILROAD TRANSPORTATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964 [This journal is also issued in parts]

ROSTOV-ON-DON. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Sbornik nauchnykh trudov [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Papers] No.36, 1962. Metody rascheta tsepei s netlineinymi elementami [Methods for calculating networks with nonlinear elements].
Table of contents translated:
Dovganovskii, N.P. - Calculation of networks with mechanical rectifiers using a ladder network technique. p.3.
Safris, L.V. - Theory of magnetic amplifiers based on their representation by four-terminal networks. p.10.
Dovganovskii, N.P. - Calculation of networks containing steel using a ladder circuit technique. p.40.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible]

Table of contents translated
Abramov, B.M. - Equilibrium of a solid supported by a rough surface p.5.
IAblonskii, N.S - Simple and planetary train of noncircular gear wheels. p 12.
Efimova, E V - Synthesis of the link mechanism of an inertia conveyor. p.21.
Beleiskii, V.IA. - Calculating six and seven parameters of approximate guides for four-bar mechanisms. p.28
Belen'kii, L M. - Designing minimum-weight cross-connection systems by limiting loads. p.31.
Duidenko, B.N. - Design of a circular axisymmetrically loaded plate in case of a nonlinear arbitrary interdependence between stresses and deformations. p.36.
Zhukovskii, V.S. - Solution of problems on stress concentration in flat parts by the method of lattices. p.46.
Gogava, L A. - Determination of the coefficient of contact yielding. p.55.
Ivanov, V.A., Markelov, V.P., Vafin, R.K. - Torsional vibrations in closed circuits of power transmissions. p.61.
Fokin, A.V., Kononenko, V.V. - Simple method for the determination of mean indicated pressure by developed indicator diagrams. p.71.
Lyshevskii, A.S. - Determining the coefficient of compressibility of motor fuels. p.76.
Foganov, S.G. - Theoretical investigation of the oil dirtying process in engines. p.82.
Stetsiuk, D.V. - Using the ultramicroscopic method in investigating speed fields of a fluid flow. p.90.
Rodimov, V.P. - Balancing serial multicylinder automobile and tractor engines in assembling after the overhaul. p.98.
Pchelkin, IU.M., Rozhdestvenskii, A.M. - Experimental investigation of a turbocyclone gas purifier. p.106.
Shakhbazov, O.K. - Analysis of the effect of driving axle differential on the side stability of automobiles. p.111.
Bocharov, N.F., and others. - Tensometering device for measuring the deformations of a balloon tire. p.119.
TSybin, V.S., Vol'skii, S.G., Bogatykh, IU.T. - Automobile wheels made of glass-reinforced plastics. p.124.
Kubachek, V.R. - Determining parameters of working movements of an excavator. p.132.
Khoroshev, I.I., Perfishin, V.S. - Effect of aluminum, boron and bismuth on the formation of graphitization centers, acceleration of annealing and engineering properties of malleable cast iron. p.146.
Anuchin, M.A., and others. - Determining the energy of shape formation of parts in stamping without presses. p.156.
Balandin, G.F., and others. - Role of technological factors in the formation of strength of thin-walled castings. p.160.
Artobolevskii, S.I, Klusov, I.A., Ustinov, V.G. - Energy investigation of power drives of automatic engineering machines. p.174.
Kondratov, A.S., Barmin, B.P. - Effect of the vibration of the "machine tool-part-cutting tool" system on the durability of cutting tools. p.187.
IAkovenko, E.G. - Some problems in the specialization by parts in machinery plants. p.200.

[illegible] Seminar on the Cor- [illegible] Machine Tool- [illegible] System [illegible]

[illegible] 1964.

Table of contents translated:

[illegible], I. I. - Curvature of normal cross sections of [illegible] surfaces of gear teeth. p. 5.

[illegible], I. P. - Undercutting in orthogonal worm gears with cylindrical worms shaped as linear [illegible]. p. 13.

[illegible], P. P. - Graphic solution of axisymmetric problems in the theory of elasticity. p. 22.

[illegible], I. P. - Using the method of moire bands in investigating the bending of plates of variable rigidity. p. 27.

[illegible], V. V. - Stability of a corrugated cylindrical shell loaded with external pressure. p. 35.

[illegible], V. V. - High speed strength test by means of a stepwise increasing load. p. 47.

[illegible], A. B. - Approximation of experimental data by the method of averages for y = ax+b-type functions. p. 56.

Strelaev, V. S., Zaitsev, G. P. - Dissipation of the characteristics of temporary static stability of glass reinforced plastics in connection with the effect of absolute dimensions and the nonhomogeneity of the stressed state. p. 53.

[illegible], V. F. - Determining dynamic forces occurring during the starting of closed circuits. p. 72.

Vasin, G. G., Pollakov, A. P. - Kinematics and dynamics of basic elements of an automatic variable-speed gear transmission. p. 79.

Efdan, A. S. - Testing unit for sliding bearings. p. 88.

Ivanov, V. N. - Investigating the speed of air flow in the combustion chamber of an engine. p. 91.

[illegible], V. P., Gurevich, L. V. - Balancing of engines in assembly at the Automobile Repair Plant No. 4. p. 100.

Severov, E. G. - Some general features of the characteristics of internal combustion engines. p. 103.

Nikitin, S. E. - Increasing the speed of motor-vehicle diesel engines. p. 114.

Ostroumov, M. A. - Determining optimum conditions for the operation of a gaseous oxygen and nitrogen producing plant. p. 126.

Ivanchenko, F. K., Mironov, A. F. - Experimental investigation of dynamic loads in the shifting mechanism of an ore crane. p. 137.

[illegible], IU. A. - Dynamics of gyratory mills for medium and fine crushing. p. 142.

Zemlianskii, V. A., Granin, IU. F. - Deformation of the cut-off layer in cutting metals with round self-rotating cutting tools. p. 151.

Chernyi, V. F. - Effect of the position of the cutter axis relative to the screw on the profile of screw surfaces on screw pumps and on the formation of transition curves. p. 158.

Vashchenko, K. I., Doroshenko, S. P. - Effect of alkaline additives on the formation of stickings on iron castings. p. 164.

Sheptunov, K. L. - Relationship between the real (molecular) heat conductivity of a body and its porosity. p. 170.

Fominov, A. IA., Anagorskii, L. A. - Calculation of baths and circulation systems in electrolytic heating units. p. 173.

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS] Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Machinery Industry] Moscow, vol 35, no. 5, May 1964

Table of contents translated

Introduce advanced equipment into production actively and make wider use of potentialities p. 1.

Rubashkin, I B - Analysis of electric servosystems of copying milling machines. p 3.

Brovman, IA S - Controlled electric drives of heavy-duty boring machines. p. 7.

Zaichenko, I Z - Throttle control of minor consumption of fluids. p 11.

Sosorkin, V. L - Calculation of characteristics of a relay hydraulic amplifier. p. 15.

Makarov, V. A - Calculation of aerostatic guides. p 18

Kovzel', N I, Rabinovich, E. E., Kruts'ko, D. A. - Geometry of the cutting tool and cutting conditions in broaching brittle materials p. 35.

Sultanov, T A - Axial gripping forces resulting from the operation of screw-thread rolling tools. p. 34

Zol'eva, A. S., and others. - Hardening lead screws by nitriding. p. 37.

Umanskii, V B. - Hardenability of 45 steel quenched in oil p. 39.

Iobst, R - Universal device for checking hob cutters p 39.

Lippert, E, Meier, B, Seldner, F - New projection microscope. for tools p 40.

Davidson, A. M. - Mechanization of certain operations in manufacturing cutters. p. 41.

Grinkot, IA. B., Gaz, M. S., Tal'lanker, M. IA. - Calculating geometrical and precision parameters of lathes for noncopying turning of automobile pistons. p. 22

Kovylin, IU IA., Surkov, G. V., Titov, V. N - Composite suspension of vibratory hoppers and hoists. p 25.

Dzanashvili, G F. - Modernization of the MR-15 semiautomatic hydraulic copying lathe for securing an intermittent conveyance of the carriage. p. 28.

Morozov, I K, Kiriushov, A. IA. - Automatic universal testing unit. p 30.

Kuznetsov, S. M - Cutting forces in grinding gear wheels with a conic wheel by the method of burnishing p. 33.

Dmitrevskii, I. B. - Attachment for checking the precision of the dividing chain of a shaper. p. 43.

Gogava, L. A - All-Union seminar on contact hardness p. 43.

New machine tools. p. 44.

Books, dissertations, periodicals. p. 45.

STROITEL'NYE I DOROZHNYE MASHINY [CONSTRUCTION AND ROAD MACHINERY]. Organ of Gosudarstvennyi komitet stroitel'nogo dorozhnogo i kommunal'nogo mashinostroeniia pri Gosstroe SSSR [State Committee for the Manufacture of Construction, Road, and Communal Machinery, Attached to the State Committee for Construction in the U. S. S. R.]. Moscow, vol 8, no. 12, Dec. 1963.

Table of contents translated:

Voronin, A. N, Doletskii, S. P. - E-158A excavator for finishing earthwork and planning. p. 1.

Kozlov, V A - D-522 universal bulldozer. p. 2.

Antipov, L. A, Lezhepekov, B S., Slavtsev, B N. - Selection of parameters for working units of a motor grader. p. 4.

Nikolaev, A. F, and others. - DFM-GPI-1 and DFM-GPI-2 machines for frozen ground. p. 5.

Balandin, V. P. - New machine for working frozen ground by shearing. p. 7.

Kislenko, A. A. - Experimental study of the process of cutting frozen ground. p. 8.

Myshegrebov, V. S. - D-5-25 mechanical boring machine. p. 10.

Boguslavskii, V. N. - Results of operating a cement lorry. p. 11.

Astakhov, A. I., Maloletkov, E. K. - Estimation of the reliability and longevity of building machines. p 15.

Gershkovich, B. M., Tarasov, V. I. - Equipment for assembling asbestos cement and concrete pipes in trenches. p. 17

Evdokimov, IU. A - Calculation for allowable load of plastic bearings in building machinery. p. 19.

Nesvizhskii, O. A - Longevity and reliability of cement equipment. p 22.

Volkov, L. A. - Centrifuges for producing reinforced concrete pipes. p. 24.

Sadovskii, L. A., Svistunov, G. A. - New machines. p. 27.

Vilenchik, E. M. - Results in modernizing the BKSM-5PU tower crane p. 29.

Fedorov, G. A. - Introduction of group method processing into small lot production. p. 29.

Popov, A T. - Crucible tilting electric furnace. p. 31.

From the history of building machinery. p. 32.

Kogan, I. IA. - Useful book p. 32.

New books. p. 33.

From the pages of magazines. p. 33.

Contents of this magazine for 1963. p. 35.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.] and others. Moscow, vol. 10, no. 10, Oct. 1963.

Table of contents translated:

Zil'berman, A. S., Levin, A. V. - Efficiency of high-pressure turbines manufactured by the Leningrad Metalworking Plant (22d Congress of the CPSU). p. 2.

Sherstiannikov, V. A. - Study of divided-flow turbines. p. 10.

Borevskii, E. I., Ostrovskii, S. I., Ginzburg, E. S. - Study of the performance of metal and the construction of the gland when starting a R-100-300 KhTGZ steam turbine. p. 13.

Deich, M. E., Filippov, G. A. - Study of turbine stages with annular diffusers. p. 18.

Pshenichnyi, V. D. - Study of two-row velocity stages with different nozzle apparatus. p. 23.

Baboshin, V. M. - Study of the effect of the coefficient of excess air on the flame length of emulsion burners. p. 51.

Degtiarev, V. D. - Optimum gas and air speed in regenerative rotary air preheaters. p. 57.

Tatarenko, N. I., Pomirchii, R. I., Miakas, V. I. - Accelerated pre-start acid cleaning of a [illegible] Mw. block. p. 59.

Vukalovich, M. P., Zubarev, V. N., Prusakov, P. [illegible] - Experimental study of the enthalpy of steam. p. [illegible].

Amirkhanov, Kh. I., Adamov, A. P. - Heat transmission of steam in near-critical and supercritical states. p. 60.

Subbotin, V. I., Zenkovich, B. A., Alekseev, G. V. - Critical heat flow in annular channels. p. 73.

Sixth International Conference on the Properties of Water and Water Vapor. p. 76.

Troianovskii, B. M. - Practical method for calculating three-dimensional flow in a turbomachine stage. p. 28.

Ryzhkin, V. IA., Volkov, E. P. - General study of the power efficiency of feed pump drives of large electric power plants. p. 30.

Durakov, N. I., Novikova, O. I. - Calculation of an axisymmetrical flow in the blading of an axial-flow blower using electronic calculating machines. p. [illegible].

Sergeeva, N. D., and others. - Contamination [illegible] and use of the convective heating surfaces of boilers with led shot cleaning operating on high-sulfur mazut. p. 38.

Markovets, M. P., Stepanov, G. A. - Study of the heat resistance of pins with rolled-on threads. p. [illegible].

Marshak, IU. L. - Heat distribution in rods [illegible] fastening the lining of furnace heat screens. p. [illegible].

Ivashkevich, A. A. - Heat transfer coefficient in the transition region from convection to boiling during forced liquid motion in channels. p. 70.

Golubtsov, V. A., Styrikovich, M. A., Margulova, T. [illegible] - Water cycle norms of thermal electric power plants. p. 79.

Chernova, L. A., Ageeva, A. V. - Water supply [illegible] thermal electric power plants. p. 81.

Salikov, A. P. - Gas turbine electric power plants in Sweden. p. 82.

Mukhachev, G. A., Borodin, V. A., Poskonin, IU. A. - I-s diagram for water vapor at low temperatures and pressures. p. 89.

Briskin, S. L. - Determination of the expenditure [illegible] efficient of centrifugal atomizers with reverse runoff. p. 92.

Work of the All-Union Heat Engineering Institute on the use of large block-type power systems. p. [illegible].

Use of Kan-Achinsk Basin coal in thermal electric power plants. p. 95.

TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, no. 6, June 1964.

Table of contents translated

Koval', I. A., Vakhtel', V. IU. - Reliability and durability of the SMD-14 tractor diesel engine. p. 1.

Voitikov, V. V. - The MTZ-52 tractor with four driving wheels. p. 4.

IAlovenko, F. I. - Economic effectiveness of the use of the T-4 tractor. p. 7.

Karabanov, I. I. - Selecting the type of suspension for a crawler tractor. p. 9.

Grunauer, A. A., Dik, V. A., Lanis, R. A. - Determining the optimal reducing forces of the governor of tractor diesel engines. p. 12.

Akopian, G. A., Skundin, G. I. - Studying the loss of power in the transmission gears of tractors at low temperatures. p. 14.

TSygankov, A. A. - Standardizing the dimensions of frames for tractors with the multiple-type units of hydraulic systems. p. 17.

Lebedev, B. M. - Sprinkling machines. p. 19.

Antonenko, I. IA. - Introducing the new standardized sowing machines. p. 21.

Smirnov, I. I., D'iachenko, G. N. - Studying the geometry and operating conditions of active cultivator sweeps working at increased speeds. p. 24

Malykhina, T. A., Konev, N. G. - Testing machines for the placement of mineral fertilizers. p. 27.

Bulanov, A. I. - Graphic method of calculating the efficient performance of corn husking rolls. p. 28.

Bakhtin, P. U., Volotskaia, V. I., Nikolaeva, I. N - Friction coefficient of the sliding of soil over metal for basic soil types in the U. S. S. R. p. 31

Strokov, S. A. - Complex of machines for harvesting grain, straw, and husk. p. 34.

Gritsaenko, V. I. - The KDU-2,0 universal feed crusher. p. 36.

Kotenok, I. P. - For the quality of ensilage harvester combines. p. 37.

Kliukvin, K. T. - Models and core boxes from glass reinforced plastic materials. p. 39.

Nosov, S. K. - Apparatus for measuring the radial pressure diagrams of piston rings. p. 41.

Lezhnev, V. V. - Improving the performance of paste-making machines. p. 43.

Khazanet, L. L - Machines for taking up and loading ensilage. p.43.
Bolgov, A.T., Drozdov, B.N. - The article "Studying the tension in a connecting rod." p.44.
Lebisis, S.E., Vasernis, A.I. - "Russian tractors," a manual. p.45.
Dubinskaia, S.A. - From the pages of foreign journals. p.46.
Timofeev, V. - Conference at the Lipetsk Tractor Plant. p.47.
Kotovich, O. - Conference on the durability and reliability of agricultural machines. p.48.
Complex of machines for the placement of fertilizers. p.3 of cover.

URAL'SKII MASHINOSTROITEL'NYI ZAVOD, Sverdlovsk. Nauchno-issledovatel'skii institut tiazhelogo mashinostroeniia. Sbornik statei [URAL MACHINE-BUILDING PLANT. Scientific Research Institute of Heavy Machinery. Papers]. Moscow, no.3, 1964. Proizvodstvo krupnykh mashin; svarka [Manufacture of heavy machinery, welding].

Table of contents translated:
Postovalov, IU.I. - Application of electric slag welding at the Ural Machinery Plant. p.3.
Sidelev, N.P., Sidorenko, V.N. - Economic efficiency in the use of welded structures. p.17.
Stepanov, V.V., Kriger, G.F. - New diagrams for the automatic control of electric arc and electric slag welding processes. p.21.
Vaisburd, I.M. - Problem of inscribed and circumscribed rectangles encountered in the design of welded structures. p.35.
Batmanov, V.A. - Welding cast iron using TSCh-4 electrodes. p.43.
Leleko, N.M., Sachavskaia, L.M., Kriger, G.F. - Mechanized hard facing of small bells with hard alloys. p.65.
Stepanov, B.V. - New brands of powder wire for wear-resistant hard facing. p.80.
Sidelev, N.P., Kalganov, V.I. - Economic efficiency of metal deposition processes. p.92.
Raskina, E.N. - Surface hardening with a gas flame. p.99.
Korolkov, V.S. - Reinforcing aluminum busbars with copper straps. p.109.
Stepanov, V.V., Leleko, N.M. - Automatic portable-type equipment for the electric heating of ingots and castings. p.117.

ESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol.44, no.2, Feb. 1964.

Table of contents translated:
Vinogradov, K.K. - Objectives of the machinery industry in 1964-1965. p.3.
Zorina, Z.M. - Investigating small TS2 crane reductors. p.7.
Fainerman, I.A. - Differential reductor for worm-type centrifuges. p.10.
Reshetov, L.N. - Efficient designs of intermediate gear wheels and satellites. p.16.
Finkel'shtein, G.M. - Eliminating the seizing of threaded joints working at temperatures up to 700° C. p.19.
Vasil'ev, B.B. - Selection of the angle between bearing rollers of cylindrical thin-walled elements of machinery. p.23
Rogovin, D A., Mironov, G.M., Pilipovskii, A.N. - Tubular transmission for the travel mechanism of bridge cranes. p.25.
Vol'pert, G.D. - Reducing hydrogen content in steel articles reserved for electroplating. p.27.
Tashkinov, V.A. - A 250 ton capacity floating crane. p.29.
Kornienko, V.S., Vitlin, A.B. - Machine for air-arc metal cutting. p.31.
Raibman, N.S., Turova, V.M., Vasil'eva, R.S. - Using correlation methods in calculating basic dimensions for bearing ring billets. p.35.
Braslavskii, V.M. - Burnishing large shafts with wide self-adjusting rolls. p.39.
Krasnopol'skii, M.A. - Lateral extrusion in manufacturing collectors for electric machines. p.43.
Vlasov, V.I., Kokhan, L.S. - Work of friction units of crank presses in automatic lines. p.46.
Belaneli, A.I. - Investigating the strength of the cutting part of a metal-cutting tool. p.50.
Viksman, E.S. - Optimum inclination angle of a cutter head in milling screw threads with disk cutters. p.55.
Kondratov, A.S., Barmin, B.P. - Criteria of the resistance to vibration of a technological system. p.58.
Zhilin, V.A. - Determining the optimum sweep of drills equipped with hard-alloy tips in drilling G1ZL steel. p.62.
Podurаev, V.N., Ragozin, IU.S. - Effect of spindle speed on the technological rigidity of the machine-tool-device-cutting-tool-part system. p.65.
Oreshkin, V D. - Attachment for cutting screw thread with an equivariable and variable pitch p.67
Bolotnyi, K.A., Bregman, L.P., Enina, P.IA. - Determining the economic efficiency of the modernization of industrial equipment. p.68.
Saenko, V G., Bortnik, E M. - Economic evaluation of the increase in the quality of an electric locomotive p.71.
Filippova, V.A - There is a need for changing present methods for calculating production costs p 73.
Brai, I.V - Technological processes of the regeneration of compressor oils. p.76.
Borisov, B.IA, Kul'baka, IU.S. - Milling heated built-up parts. p 79.
Kandash, S.A. - Course of the All-Union Public Inspection of the carrying-out of research plans and of the introduction of scientific and technical achievements into the national economy. p.80.
Dai-Zade, K A - Proceedings of the Second Republican Scientific-Technical Conference on polymer and wood materials. p 81.
Muchnikov, V.M. - "Fundamentals of the design of butt surfaces of machine parts for contact rigidity" by E.V Ryzhov. p 82.
Gredeskul, A.B - "Using electric measurement methods in testing motor vehicles" by N.A. Bukharin, V.K. Goliak. p.83
New books. p.85.
Author's abstracts of dissertations. p.87.
Review of foreign periodicals p.88.
Bibliographical indexes and card catalogs. p.91.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY] Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka Ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration for the Protection of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol 7, no.7(74), July 1964.

ZA RULEM [AT THE WHEEL]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol.22, no.7, July 1964.

h. MINING & METALLURGY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut gornogo dela. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Mining. Transactions]. Alma-Ata, vol.13, 1964. Mekhanizatsiia i avtomatizatsiia proizvodstvennykh protsessov na gornodobyvaiushchikh predpriiatiiakh Kazakhstana [Mechanization and automation of industrial processes in Kazakhstan mining enterprises].

Table of contents translated:
Sharipov, V.Sh. - Selection and evaluation of the method of mechanizing and automating ore mining processes. p.3.
Musin, A.Ch., and others. - Equipment and methods for studying the operating parameters of boring machinery. p.15.
Osipovskii, L.F., and others. - Drilling deep, small-diameter boreholes, using a rock drill with independent rotation of the bit. p.28.
Sharipov, V.Sh., Tkachenko, A.M. - Classification of boring rigs. p.33.
Kaloshin, S.G. - Methods of evaluating various means of drilling boreholes. p.42.
TSitokhtsev, V.A., Kaloshin, S.G. - Impact energy transmission during percussion drilling. p.55.
Efremov, I.M. - Using an electric arc for the breaking of rock. p.62.
Kuntukov, IU.G. - Resisting moment of rotation of a boring bit. p.69.
Eshpanov, D.O., and others. - Breaking off ore with the use of self-propelled equipment at the Dzhezkazgan Mine. p.73.
Eshpanov, D.O., Kulakov, A.IA. - Breaking off ore through small diameter blastholes in Dzhezkazgan with the use of self-propelled equipment. p.78.
Muzgin, S.S. - Prospective type of drive of railless machines for the transportation of ore in underground workings. p.85.
Sharipov, V.Sh., Filippov, V.K., Artamonovskii, O.IU. - Universal running gear for self-propelled mining machinery. p.93.
Muzgin, S.S., and others. - Investigating an underground bulldozer-loader at the Dzhezkazgan Mine. p.98.
Georgiev, IU.F., Shol', O.A., IUpatov, E.V. - Effect of power supply systems of a section on the operation of self-propelled equipment. p.115.
Miroshnik, E.E., Dzhakupbaev, A.N. - Estimating the ability of a hardenable mixture to be transported through pipes. p.120.
Uzianbaev, A.T, Sheremet'ev, E.V - Results of using boring rigs at the Dzhezkazgan Mine. p.124
Kozhakhmedov, D.B., Makhova, O.E. - Economic comparison of various means of transportation for the underground haulage of gypsum stone in the Novomoskovskii Gypsum Combine p.127.
Kul'dzhanov, B.Zh., IUsupbekov, B.Kh. - Creating efficient operating conditions and selecting the optimal corresponding energy for strip mining equipment. p.138.
Alekseev, O.I, Svishchev, V.A. - Determining performance potentialities of excavators in strip mines. p.148.
Kulakov, A.IA., Eshpanov, D.O. - Variant method of mining thin seams in sections of the Dzhezkazgan Mine with the use of self-propelled equipment. p.152.
Khartovich, IU.I., Isakov, V.A., Ten, N.A. - Improving techniques of mining in the Sokol deposit p.156.
Sharipov, V.Sh., Kazybekov, D.M. - Determining the optimal length of panels in the mining of inclined Mirgalimsay-type deposits and using railless transportation equipment. p.163.

AKADEMIIA NAUK SSSR. Izvestiia. Metallurgiia i gornoe delo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Metallurgy and Mining]. Moscow, no.3, May-June 1964.

Table of contents translated
Mantsev, R.M. - Vladimir Efimovich Grum-Grzhimailo, on the 100th anniversary of his birth. p.3.
Pavel Pavlovich Fedot'ev; on the 100th anniversary of his birth. p.12.
Potemkin, K.N. - Formation of wüstite during low-temperature reduction of hematite and magnetite p.17.
Shavrin, S.V., Zakharov, I N., Ipatov, B.V. - Kinetic regularities of the reduction of slag by gas. p.22.
Cherniatin, A N. - Ways of studying the dynamic properties of a blast furnace hearth. p.32.
Temeshi, Sh. - Effect of supercooling and composition on the rate of crystal growth in blast furnace slags. p.37.
Ogryzkin, E.M. - Changes in the oxidation of slag during top oxygen blowing of cast iron in converters. p.42.
Poliakov, A.IU., and others. - Studying the conditions of liquid steel desulfuration with the help of CaF$_2$-base slags. p.52.
Burtsev, V.T., Korbman, IU.I., Samarin, A.M. - Kinetics of the removal of sulfur compounds during the vacuum treatment of iron-carbon melts. p.58.
Romanov, A.A, Kochegarov, V.G. - Effect of oxygen and sulfur on the viscosity of liquid iron. p.63.
Shalimov, A.G. - Formation and removal of nonmetallic inclusions during the refining of steel with liquid, synthetic slag. p.69.
Chizhikov, D M., Volkova, M.E, TSvetkov, IU.V. - Certain physicochemical properties of melts in the system tin monoxide - silica. p.82.
Bergman, G.A., Shmuk, E.I. - Thermodynamics of germanium sulfides and some of their reactions. p.91.
Sokolov, O.K. - Cryoscopy of melts. p.100.
Bobikov, P.I., Plaksin, I.N. - Theory of the industrial separation of metals by exchange recovery. p.107.
Bunin, K.P., Fedorova, I.P. - Effect of the preliminary homogenizing of cast iron on the aspect of the diagram of isothermal decomposition of austenite p.116.
Buryiev, B.P. - Gas saturation of cast iron. p.118.
Baranov, A.A. - Amount of strain occurring during the graphitization of iron alloys. p.122
Malinochka, IA.N. - Redistribution of carbon determined by the microliquation of silicon in steels and cast irons. p.125.
Pridantsev, M.B., Levin, F.L. - Hardening of austenitic-ferritic steel with the formation of a nonmagnetic structure. p.131.
Zac'ialov, A.S., Sandomirskii, M.M. - Effect of rare-earth elements on the structure of steel. p.138.
Guliaev, V.N., Bulanov, IU.P. - Ti$_n$Ni$_m$S phase in 1Kh18N12T and 1Kh18N9T steels. p.145.
Urazova, V.A., Dimant, O.V. Sui Iui-TSzian' [Sui Yü-chien], - Nonmetallic inclusions in nickel-base alloys. p.148.
Zemskov, V.S., Rozhdestvenskaia, V.V. - Distribution of boron during the crystallization of solid solutions of germanium in silicon. p.154
Amonenko, V.M. - Rate of vaporization of components during the thermal dissociation of yttrium and lanthanum berrylides. p.158.
Osipov, K.A., Sotnichenko, A.L. - Length of testing for creep and the stress-rupture strength of metals and alloys. p.161.
Nikitin, V.I. - Conditions during the course of selective corrosion of alloys in liquid metal media. p.163.

p.1[illegible]

[illegible] - Heat-resistance of [illegible] p.1[illegible]

[illegible] of the calcar[illegible] of stress con[illegible] p.171

[illegible] engineering [illegible] p.179

[illegible] - Magnetic treatment [illegible] p.182.

[illegible] - Mechanism of dielectric [illegible] with a liquid di[illegible]

AKADEMIIA NAUK URSR. Instytut hirnychoi spravy. [illegible] [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Mining. Papers] Kiev, no.13, 1963. Voprosy gornogo dela [Mining]

Table of contents translated

Foreword. p.3.

Tatomir, K.I., Andreev, I.M. - Effect of air leakage on the selection of a flow sheet for working coal deposits. p.5.

Pokrass, V.L. - Method of determining basic parameters for paneling thin flat seams in the Donets Basin during hydraulic mining. p.15.

Chaiyi, A.A., Kudravets, G.V., Amosha, A.I. - Flow sheet for preparing a new mine level under complex mining and geological conditions. p.26.

Aleinikov, A.A. - Determination of the optimal pressure and efficiency of hydraulic giants for coal breaking. p.32.

Firetosh, R.A., Stetsenko, Z.A. - Establishing parameters for hydraulic mining of coal in the Donets Basin. p.39.

Bondarenko, A.D. - Investigating the interaction of the shield with a rock cushion by means of shield modeling. p.48.

Bondarenko, F.D. - Analytic method for selecting an efficient way of mining contiguous flat seams in the Donets Basin. p.53.

Koarelev, K.V., Dolzhenko, V.I. - Using the optical method to study the effect of the temperature factor on the stressed state of the rock massif. p.68.

Pechuk, I.M., Kul'bachnyi, A.N. - First results of using hydraulic fracturing washout to control sudden outbursts of coal and gas. p.74.

Buzin, V.A., Suslin, IU.V., Afanas'ev, V.P. - Ventilation of mine shaft bottoms. p.90.

Gorodnicheva, S.A. - Increasing the effectiveness of the process of cooling mine air. p.97.

Patrushev, M.A. - Gas-dynamic phenomena in potash mines. p.105.

Sukharevskii, V.M., Saranchuk, V.I., Brainin, M.I. - Investigating the transportation of atomized liquid by a ventilating current. p.113.

Shevchenko, V.N. - Method and equipment for studying the dispersiveness of an atomized liquid in mine workings. p.124.

Anikeev, A.V., Bulavkin, I.I., Saranchuk, V.I. - Possibilities of using conveyor transportation in Karakub flux limestone quarries. p.128.

Konstantinov, S.V. - Changing the flow sheet for rounding off during multiplication on the "Ural" electronic computer. p.136.

Tatomir, K.I., and others. - Cost of maintaining haulage drifts depending on the mining depth. p.138.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol.42, no.9(447), Sept. 1963.

Table of contents translated:

Gol'dina, L.I. - Features of the oil and gas pools of the southern plunge of the Karachukhur-Zykh fold. p.1.

Dermish'ian, A.G. - Prospects for finding gas-condensate pools in the "break" series and the Sub-kirmaki sand series of the Lokbatan-More region. p.4.

Aliev, I.M., and others. - Position of the boundaries of the Jurrasic and Cretaceous of the eastern part of the Kara-Kum platform. p.7.

Guseinov, A.A. - Certain data on the petrography of the producing series of the Mishovdag region in Azerbaijan. p.9.

Aliev, A.G., Galia, V.L., Mikulenko, K.I. - Evaluating the fractured reservoir rocks of the Upper Cretaceous and the Paleogene in the foothills of the eastern Caucasus. p.11.

Tairov, Ch.A. - New variety of Gaudryina. p.14.

Pivovarov, I.F., Guseinov, M.A. - Pressures to be used in hydraulic tests of casing and drill pipes for air tightness. p.15.

Mamedov, N.N., Zulalov, IU.I. - Turbodrills with spiral grooves. p.17.

Ibragimov, A.A. - Effect of bit design on the disintegration of the well bottom. p.19.

Rasizade, IA.M., Gurbanov, S.G. - Analytic method for determining the location of the lost-circulation zone. p.21.

Guseinov, G.P. - Effect of the features of a water drive system on the behavior of the oil pools of the Sub-Kirmaki series in fields of the Apsheron Peninsula. p.22.

Nasrullaev, I.A. - Motion of an elastic fluid in a nonuniform bed. p.25.

Nadzhafov, N.N. - Analysis of the exploitation of wells with circulation fluid in the Lokbatan region in the Oil Field Administration of the Karadag Petroleum Trust. p.27.

Ishkhanov, V.G., Mamedov, G.K. - More on the cause of sand plugging in flooded wells. p.30.

Gasanov, A.P. - Renovation of deep-well pumps. p.32.

Kuliev, Al.M., Agakishiev, N.A. - Trapping gases and vapors with solid adsorbents. p.35.

Sattar-Zade, A.Dzh., Sattar-Zade, I.S. - Investigating the optical activity of petroleum products during their thermal catalytic conversion. p.37.

Mardanov, M.A., Sultanov, S.A., Ismailova, L.G. - Using the LADU apparatus to determine thermal stability. p.40.

Ped'ko, A.I. - Efficient ratio between the dimensions of bit support elements. p.42.

Sharifov, F.R., Negreev, V.F., Karapetov, K.A. - Electrochemical protection of the underground equipment of wells from corrosion. p.44.

Mirzoian, A.A. - Calculating the indices of labor productivity for manufacturing new drilling equipment. p.46.

All-Union conference on the problem of Ocean Waves and their Effect on Hydraulic Structures. p.48.

Vol.43, no.1(451), Jan. 1964.

Table of contents translated:

Insure the fulfillment of the 1964 plan. p.1.

Scientific and technical conference. p.3.

Abasov, A.S., Shirinov, F.A., Zeinalov, A.M. - Tectonics of the Shemaka oil and gas bearing region. p.4.

Guliev, G.A. - More on the prospects for finding gas and oil in the Paleogene-Miocene sediments of the Tertiary monocline. p.7.

Adzhalova, S.S., Kerimova, Z.A. - Lithologic composition and reservoir properties of the sandy silt of the producing formation of southeastern Kobystan and the Alyaty Upland. p.9.

Kuliev, S.M., and others. - Nature of the wear of three roller bits in slant hole drilling on Peschanyy Island. p.12.

Gasanov, A.B., and others. - Pressure in hydraulic fracturing on the northeastern wing of the Neftyanyye Kamni oil field. p.15.

Pigrov, V.M. - Effect of a magnetic concentrate on the freezing of a drilling tool. p.18.

Guseinov, G.P. - Injection of water into a gas cap and its effect on the oil yield of layers. p.20.

Suleimanov, A.B., Karapetov, K.A. - Determining the best diameter for production casing. p.22.

Gadiev, S.M., Simkin, E.M. - Erosin method in directional hydraulic fracturing. p.27.

Ismailov, R.G., Aliev, D.A., Ivanova, T.M. - Obtaining diphenyl and pure benzene by pyrogenetic synthesis from benzene fraction stock. p.31.

Ashumov, G.G., and others. - Separating cyclohexane from the gasoline of the Novo-Dmitriyevka oil of Krasnodar Territory using a thiourea water-alcohol solution. p.34.

Abas-Zade, A.K., Gylmanov, A.A. - Heat conductivity of lubricants and their mixtures. p.36.

Gadzhiev, F.M. - Calculating the piles of offshore drilling platforms for horizontal load using two bed factors. p.39.

Ashurov, R.A. - Drilling fluids. p.42.

Evzlin, V.N. - Future development in the production of complete large-block petroleum electrical equipment in Azerbaijan. p.43.

Technical patent section of the M.F. Akhundov Library of the Azerbaijan Republic. p.47.

GAZOVOE DELO [GAS INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R. and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.4, 1964.

Table of contents translated:

Gritsenko, A.I. - Investigating the effect of water on the phase transformations of gas condensate mixtures. p.3.

Kashparov, M.M., Nanikov, B.A. - Investigating gas wells with a DGM-4 differential depth manometer. p.11.

Gordienko, V.I. - Imparting odor to gases. p.15.

Tarkhanov, V.V., Astaf'ev, N.A. - New method for cutting into asbestos-cement gas pipelines. p.16.

Glazov, N.P. - Potential distribution along a pipeline protected by two adjacent cathode units with consideration of the polarized resistance. p.31.

Gelikh, A.S., Rabkina, A.L. - Using [illegible] to produce ethylene. p.26.

Torchinskii, IA.M. - Using a typical method for determining the economic efficiency of capital investments in the technical and economic analysis of designs of city gas-supply systems. p.33.

Rokhlina, I. - Operation of KhT-2M chromatograph. p.36.

Miscellany. p.39.

No.5, 1964.

Table of contents translated:

Margulov, G.D., Tverkovkin, S.M., Khudiak[illegible] - Problems and certain results of the test exploitation of the Gazli field. p.3.

Reitenbakh, G.R. - Principles of the gathering and separation of natural gas in the fields of the [illegible] A.S.S.R. p.10.

Dunykh, V.S., Tkachenko, M.F. - Pressure [illegible] in gas condensers and the communications of compressor stations. p.13.

Suris, M.A. - Engineering method for calculating the corrosion danger for underground metal pipelines when they are intersected by the rail networks of electric railroads. p.16.

Losov, B.I., Monina, M.L. - Recent data on the use of plastics to protect metal structural elements from corrosion in the oil and gas industry abroad. p.22.

Vol'fson, I.S., and others. - Present status of the production of hydrocarbon stock in the gas [illegible] plants of the middle Volga Valley Council of [illegible] al Economy. p.26.

Arseeva, N.V., Kitaev, B.I. - Combustion of [illegible] carbon gas in a vertical column in a free stream. p.33.

Tomashpol'skii, L.M. - Development of the gas industry in the Rumanian People's Republic. p.4[illegible]

GEOFIZICHESKAIA RAZVEDKA [GEOPHYSICAL PROSPECTING]. Issued by Glavnoe upravlenie geologii i okhrany nedr pri Sovete Ministrov SSSR [Main Administration of Geology and the Conservation of Mineral Resources, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no.15, 1964.

Table of contents translated:

Gurvich, I.I., Gil'bershtein, P.G. - Study [illegible] waves reflected from under a strata with [illegible] wave-propagation velocity using two-dimensional models. p.3.

Lutsenko, B.N. - Results of using the [illegible] directional sensitivity method for seismic waves in the area of the Dono-Medveditskiy dislocations. p.19.

Korlagin, V.V. - Dependence of detailed work in seismic prospecting by the method of reflected waves on the density of the profile network [illegible] conditions of the southern part of Kuibyshev Province. p.34.

Shal'nov, B.V., Troianskaia, I.IA. - Certain results of a study of successive arrivals in reverse [illegible] seismic logging. p.40.

Kozlov, E.A. - Plotting reflected boundaries from a profile laid not exactly transverse to the [illegible] course. p.46.

Diukov, A.I. - Basic elements of the tectonics of the eastern part of the Donets Basin and the western sector of the Karpinsk swell according to geophysical data. p.51.

Poletaev, B.D., Bosykh, IU.A. - Results and potentials of gravimetry in prospecting in the coal fields of the Pechora Basin. p.80.

Salikhov, A.G., Zharkova, L.A. - Calculating the gravitational effect of the upper layers of a sedimentary formation. p.88.

Naugol'nikov, V.B. - Calculating the gravitational effect from three-dimensional bodies of arbitrary shape. p.99.

Aronov, V.I., Borodatyi, I.I., Fil'shtinskii, I [illegible] Calculating the corrections for the relief of an area in a mountainous region using electronic computers. p.104.

Gladkii, K.V. - Taking into consideration the vertical gradient of the components of a magnetic field. p.111.

Piatnitskii, V.I. - Certain results of work involving the method of dipole low-frequency inductive profiling. p.115.

Grechukhin, V.V. - Determining relative and reduced apparent resistances and their use in studying the ash content of coal beds. p.130.

Gurevich, IU.M. - Correlation of strata of high-resistance rocks in well sections. p.144.

Chernikov, A.T. - Determining the electrical [illegible] thickness [illegible] diagrams. p.153

P[illegible] - Using [illegible] the [illegible]

Kraev, A.G. - Drilling rig with self-contained drive for seismic prospecting in regions of the Far North p.161.

KARAGANDA. NAUCHNO-ISSLEDOVATEL'SKII UGOL'NYI INSTITUT. Nauchnye trudy [SCIENTIFIC RESEARCH COAL INSTITUTE. Studies] No. 11, 1962.

Table of contents translated:
Briling, V.N., Zil'bert, I.S. - Studying the operation of the "Ukraina" cutter-loader. p.3.
IUdin, N.P., Tolstykh, B.N. - Studying the actuating mechanism of the "Karaganda-07" cutter-loader. p.11.
Zeifert, V.P., Sulimov, K.G. - Studying processes of the mechanical breaking of coal. p.16.
Il'din, N.P., Silimov, K.G., Zeifert, V.P. - Breaking of coal by shallow shearing. p.20.
Sulimov, K.G., TSoi, P.M. - Results of studying the abrasiveness and hardness of rocks in the Karaganda Basin. p.25.
Efimov, V.V. - Studying rotary-percussion drilling. p.31.
Ungefug, V.G. - Theory of the analytical calculation of the kinematic and geometric parameters of the separation of cuttings from the massif by the cupers of a disk-type actuating mechanisms of mining machinery. p.35.
IUdin, N.P., Eidel'shtein, I.A., Zeifert, V.P. - Studying the parameters of the actuating mechanism of the Karaganda-1m" mining cutter-loader. p.81.
Sukharev, O.V. - Testing TSSh VP-180/6-type mobile substations in Karaganda mines. p.94.
Rubinshtein, B.Sh., Tomilin, N.F. - Modern construction of flexible shielded cables. p.104.
Kraus, E.G., Zubov, V.S., Sobolev, V.G. - New flexible shielded cables and their use in Karaganda mines. p.110.
Kraus, E.G., Rubinshtein, B.Sh. - Intermediate relays of explosion-proof magnetic starters. p.124.
Kraus, E.G., Rubinshtein, B.Sh., V'iunik, V. - Operation of test samples of the PMVI-3 starter. p.129.
Kraus, E.G., Rubinshtein, B.Sh. - Some reasons for the corrosion of mine starters. p.133.
Mysik, V.A. - Studying the condition of the insulation of cable systems in mine sections of the Karagandaugol' Combine. p.138.
Ibikus, U.IU., Volkov, A.G. - Apparatus for determining the initial stage of the spontaneous combustion of coal in a caved-in mine area. p.152.
Mester, I.M. - Mining area used as an object for regulating concentrations of methane. p.155.
Byr'ka, V.F., Fedorov, E.F. - The RDK-2 automatic regulator for stabilizing the operation of the "Karaganda" cutter-loader in a vertical plane. p.162.
Rebrov, N.I. - Automatic control of feeders on mine stationary conveyer lines loaded at several points. p.171.
Rebrov, N.I., Protasov, E.N. - Branched mine conveyor lines as an object of automation. p.181.
Rebrov, N.I. - Efficient design of automation systems for branched mine conveyor lines. p.186.
Byr'ka, V.F., Donis, V.K., Turtanov, IU.A. - Studying the dynamics of automatic conveyor scales. p.192.
Donis, V.K., Turtanov, IU.A. - Industrial testing of an experimental sample of automatic conveyor scales. p.200.
Kotliar, V.A. - Results of using controlled mercury-arc rectifiers for dynamic braking of a mine hoisting machine. p.205.
Levidov, IU.S. - Studying the stepped-relay system of automatic control of a hoisting machine with an asynchronous drive by means of a phase plane. p.208.
Ivanchenko, G.E. - Fast-reaction system of stepped-relay control for mine hoisting machinery with asynchronous drive. p.213.
Ivanchenko, G.E. - Starting an asynchronous motor by acceleration and current. p.221.
Ivanchenko, G.E. - Changing the speeds of a hoisting machine with drive from an asynchronous motor in stepped-relay multiposition control. p.224.
Ibikus, U.IU., and others. - Automatic control of heating equipment without fans. p.231.
Ibikus, U.IU., Karasev, N.I., Shatokhin, V.N. - Automatic condensation tap in heating equipment without fans. p.236.
Karasev, N.I. - Electronic time relay on semiconductor instruments with delay for wearing-in and release. p.240.
Volkov, A.G. - Automation of boilers operating on gas obtained during the degasification of a mine. p.242.
Shchukin, N.G., Lavrinenko, P.I. - Modernization and reorganization for automation of rock handling complexes in operational Karaganda Basin mines. p.253.
Donis, V.K., Arakelov, V.N., Gardiman, M.G. - Selecting an optimal frequency multiplex band for telephone and power distribution networks in Karaganda Basin mines. p.257.
Donis, V.K., Arakelov, V.N., Gardiman, M.G. - Remote control system of centralized control and signaling operations of section mechanisms. p.263.
Mester, I.M. - Basic criteria for selecting systems of telemetering the parameters of mine air. p.277.
Mester, I.M. - Analysis of various telemetering systems and basis for the technical conditions for telemetering apparatus for the parameters of mine air. p.283.
Mester, I.M. - Theoretical investigation of a parametric pulse-width telemetering device. p.292.
Mester, I.M., and others. - Structural parameters and results of the industrial testing of telemetering apparatus for measuring methane concentrations in mine air. p.299.
Ivanchenko, G.E. - Flow around an infinite elliptical cylinder. p.313.
Ivanchenko, G.E. - Dependence of the Reynolds number corresponding to the start of the principal hydrodynamic crisis on the experimental conditions prevailing in the flow around an infinite circular cylinder. p.316.
Kodyk, G.T., Tir, D.E. - Joining conveyor belts with steel clamps. p.319.
Polovnev, G.P., Sulimov, G.K., Antonov, P.E. - Plow with an active cutter for cutting tough coal. p.331.

KRIVOY ROG. GORNORUDNYI INSTITUT. Sbornik nauchnykh trudov [INSTITUTE FOR MINING AND ORE DRESSING. Papers]. Moscow, no 21, 1963.

Table of contents translated:
Foreword. p.3.
Makhlaev, V.G. - Conditions of the formation of carbonate rocks of the upper Krivoy Rog Basin series. p.5.
Osetrov, I.I. - Northern boundary of the distribution of Maeotic sediments in the Krivoy Rog iron ore basin. p.8.
Petrun', V.F. - Prospecting and interpretation of certain relict structures in metamorphic rocks of the Krivoy Rog Basin. p.9.
Petrun', V.F. - Cross bedding and the minable level of stagnancy of underground water in Pliocene limestone in the southern Ukraine. p.14.
Akimenko, N.M., Dmitriev, E.V. - Petrography of the arkose series in the Krivoy Rog Basin. p.21.
Martynenko, L.I., and others. - Stratigraphy of the iron ore complex in the Yakovlevo deposit. p.24.
Martynenko, L.I., and others. - Association of minerals in the group of iron oxides in rocks and ores of the Yakovlevo deposit in the Kursk Magnetic Anomaly. p.29.
Kuznetsova, M.N. - Chemical composition of jaspilites of the Yakovlevo deposit in the Kursk Magnetic Anomaly. p.36.
Makarov, V.N., Kondrat'eva, D.N., Taranets, V.I. - Mineralogy of supergene chlorites from shales of the Yakovlevo deposit in the Kursk Magnetic Anomaly. p.39.
Makarov, V.N., Domarev, D.S. - Study of the physical and mechanical properties of ores of the Yakovelvo deposit in the Kursk Magnetic Anomaly. p.47.
Makarov, V.N. - Mineralogy of oolite iron ores of the Yakovlevo deposit in the Kursk Magnetic Anomaly. p.52.
Baranov, K.A. - Results of reestablishing the tectonic structure of the Yurung-Tumus Peninsula in the Laptev Sea by its concretion formations. p.58.
IAroshchenko, V.A., Bor'kin, A.N. - Flush muds used in boring exploratory holes. p.61.
Derusov, V.P., IAroshenko, V.A. - Interrelation between the wear of the boring bit, consumption of shot, and mechanical speed during shot boring. p.66.
IAroshenko, V.A., Derusov, V.P. - Results of testing shot boring bits of various structures in the Krivoy Rog Basin. p.83.
IAroshenko, V.A., Golubev, S.Kh. - Some technical means of controlling catastrophic absorption of flush muds in boreholes in the Krivoy Rog Basin. p.92.
Lugovskii, S.I. - Heat exchange in deep level chambers. p.102.
Bevz, T.D. - Lowering aerodynamic resistance in *mine shafts. p.105.*
Nemchenko, A.A., Dymchuk, G.K., Kirichenko, A.M. - Aerodynamic resistance of hydraulic [illegible]
[illegible] - [illegible] eding [illegible] of air in [illegible]
[illegible] rchuk, [illegible] on according [illegible] or levels. p.124.
Trusil, V.T. - Dustiness of the air during underground mining of shell limestone. p.127.
Dymchuk, G.K. - Calculation of the resistance of stoping blocks in mine ventilation systems with drift collectors. p.133.
Bevz, T.D. - Using plastics for lowering the ventilation resistance of mine workings. p.135.
Nemchenko, A.A. - Regulating the thermal conditions of mine air with the help of heat exchangers. p.139.
Oshmianskii, I.B., Boginskii, P.IA. - Analysis of leakage and inleakage of air in "Dzerzhinskrud" Trust mines. p.141.
Silusarenko, V.G. - Ventilating a unit of blind workings. p.148.
Dymchuk, G.K. - Reversing the ventilating current. p.153.
Dubeniuk, V.M. - Location for the arrangement of portable ventilation equipment in strip mines. p.156.
Fedorovskii, A.A., Chichkan, V.S., Garbuz, V.T. - Study of the DA-2 depth gauge. p.158.
Efimov, P.I. - Calculating the weight of the exit side of a base network. p.164.
Zhukov, N.G. - Results of studying the "Balakhovskii" conveyor bridge. p.166.
Chichkan, V.S. - Reinforcing the axial inclined plane of an inclined mine shaft. p.169.
Chermalykh, V.M. - Transient processes in differential drives with resilient couplings (wire rope). p.172.
Begagoen, I.A., Bykov, V.I. - Standard device for measuring the hardness of internal hardened and unhardened surfaces of cylinders. p.179.
IAmkovoi, G.T. - Prospects for using air under high pressure in mining enterprises. p.183.
Vishenskii, I.I. - Theoretical study of the operation of the weighing mechanism of scale cars. p.186.
Kudriashov, V.P. - Basic engineering requirements for boring machinery for driving upraises in medium-hard and hard rocks. p.196.
Sidorenko, A.K. - Dependence of the boring speed and durability of the bore bit on the nature of the rotation of the boring machine. p.197.
Kuksenko, I.F. - New complex of mechanisms for changing cars on the mine surface at the Nikopol'-Marganets Basin. p.199.
Begagoen, I.A. - Friction machine and methods of testing antifrictional properties of materials of *boring machine parts. p.203.*
Zherzherunov, S.I. - Determining the most advantageous operating conditions for a hoisting machine. p.207.
Malysh, N.T. - Investigating the change in the physical properties and the fine crystal structure of hardened steel during tempering. p.209.
Nikonenko, A.S. - Recrystallization in solid solutions of nickel-iron and iron-manganese. p.217.
Mikhailov, IU.I., Shirenko, K.I., Makashov, V.N. - Conveyor train for "Siantsy" Combine mines. p.224.
Antoshin, V.G. - Networks of high-speed phase-sensitive magnetic amplifiers. p.234.
Belash, F.N., Gontarenko, P.A. - Activation of magnetite in soap flotation. p.235.
Belash, F.N., Antonova, N.F. - Using activated silicate for regulating the structure of pulp in the flotation of iron ore. p.239.
Kharlamov, V.S., Bass, M.IA. - The time of separation is an important parameter for regulating the technological indices of concentration in heavy suspensions. p.247.
Nikolaenko, B.I. - Flotation of iron oxides from tailings of the magnetic dressing of ferruginous hornblende. p.251.
Nikolaenko, B.I. - Effect of the specific gravity and type of bed on results of jigging fine iron-containing materials. p.258.
Malygin, B.V. - Prospects for mastering the flotation of iron ore oxides at the Krivoy Rog Central Mining and Ore Dressing Combine. p.266.
Satskaia, N.S. - Distribution of the roots of the differential equation $\mu F(x, y, y')=f(x, y)$. p.276.

LENINGRAD. VSESOIUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions]. No. 230, 1964.

Contents: Uspenskii, V.A., and others. [Principles of the genetic classification of bitumens] Osnovy geneticheskoi klassifikatsii bitumov. 266 p.

M[illegible] MACHINERY [illegible] the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 3, 1963.

Table of contents translated:
Sarkis'iants, T.Kh., and others. - Single-cone bit. p.3.
Karnaukhov, L.A., Kuligin, N.A., Loshkarev, K.I. - New design for abrasive-cutting bit. p.7.

[illegible]

[illegible] pump feeding pro- [illegible] strings. p. 11

[illegible] M Z [illegible] device. p 13

[illegible] condensers [illegible] refineries. p. 14

[illegible] G. A., [illegible] with steam space. p. 16

[illegible] drill-bit efficiency [illegible]

[illegible] lowering the drilling [illegible]

[illegible] torque meters. p 30

[illegible] rotation speed for [illegible] p. 31

[illegible] of SGB and UGR [illegible] (large. p. 37

[illegible] efficiency of petroleum- [illegible] p. 38

[illegible]

Table of contents translated.

[illegible] F. - Effect of the axial gap on the [illegible] stages of sinking centrifugal [illegible] p. 3.

M[illegible] V. - New KTG pipe wrenches for [illegible] pipes in lowering and [illegible] p. 6.

[illegible], A. A. - Pulsation-impact power nut setter. [illegible]

A[illegible], A. A., and others. - ChTp-2 system for [illegible] of remote control in oil wells. [illegible]

[illegible], V. I. - Automatic AKN-57 colorimeter. p. 17

[illegible] B. F. - Specific weight gauges. p. 19.

[illegible], V. M. - Starting ball slide valve with [illegible] control. p 22.

[illegible], I. V. - TP-1120 gas analyzer. p. 24

M[illegible], M. V., Turevskii, I. S. - Certain [illegible] technology of the manufacture [illegible] parts of pumps under conditions [illegible] production. p. 26.

K[illegible], IA. M., Averbukh, B. A. - New method [illegible] metals and alloys on parts of machines [illegible] friction. p. 34.

[illegible], M. S. - Continuous production of bits in the K[illegible] Bit Plant. p. 37.

Tarasenkov, P. M. - Using high-strength steels for the equipment of petroleum refineries. p. 39.

K[illegible], IU. M., Zhunev, P. A. - Lapping paste and special coatings for cranes made of acid-resistant steels. p. 43.

No. 1, 1964

Table of contents translated:

[illegible], N. K. - Chemistry and the petroleum industry. p 3

[illegible]erzhets, G. N. - Lifting capacity reserve of drilling rigs. p 7

Vartanov, V. S. - Designing electromagnetic sliding couplings for drilling rigs. p. 13

A[illegible]zade, A. M., and others. - Improving the operating conditions of the supports for bit rollers at the well bottom. p. 18.

Sredin, V. V., Tarasenkov, P. M. - Circulation compressors for catalytic reforming and hydrofining units. p. 20.

Bulanov, A. A. - Accessory cooling system for V2-300 and V2-450 engines in "Uralmach 5D" and "Uralmach 3D" drilling rigs. p. 27.

Nerashev, V. K. - "Corkscrew-anchor" for bracing drilling derricks with guys. p. 27.

IAgudin, R. IU. - Possibilities of using digital computers in field hydrodynamic investigations of reservoirs and wells. p. 29.

Sverdlov, G. M., Kovalenko, B. M. - *System of* automatic information gathering from various flow meters for recording the consumption of oil using impulse code converters. p. 32.

Ivanov, M. M., Fakhreev, I. A. - New precision PGM-1 manometer. p. 36.

Savin, I. V. - Trapezoidal thread rolling *with a* threading die on screw-cutting lathes. p. 39.

Avanov, B. S., Mokrov, A. I., Merechenkov, IU. V. - PSK-1 sliding welding bracket. p. 41.

* METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS] Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 2, Feb. 1964.

Table of contents translated:

Kardonskii, V. M., Kurdiumov, G. V., Perkas, M. D. - Effect of size and shape of cementite particles on the structure and properties of steel *following* deformation. p. 2.

Rastegaev, M. V. - Recrystallization of difficult-to-shape alloys. p. 9.

Lanskaia, K. A., Gorchakova, E. I., Kireeva, R. M. - Structural transformations in 12Kh1MF steel during heat treatment. p. 13.

New books. p. 18.

IUganova, S. A., and others. - X-ray and electron microscopy investigation of 16-25 and 18-40 type alloys. p. 19.

Zhurenkov, P. M., Egorshina, T. V., Golikov, I. N. - Dendritic segregation in 35KhGSA steel. p. 25.

Kagan, IA. I., Bronin, S. V., Sidorenko, I. IA. - Investigating the process of tempering hardened carbon steels. pp. 29, 35.

Diagrams of the rupture strength of heat-resistant alloys. p. 31

Zhuravlev, L. G. - Temperature dependence of the mechanical properties of high-carbon austenitic steels. p. 38.

Belotskii, V. - Diffusion of cementite during the electric heating of carbon steel. p. 41.

Smol'nikov, E. A. - Investigating the decarburizing effect of medium temperature salt baths. p. 44.

Kobasko, N. I., Prokhorenko, N. I. - Effect of the rate of quenching during hardening on the formation *of cracks in steel 45.* p. 53.

Kabanov, IU. N., and others. - Technology of the thermomechanical hardening of steel during rolling and extrusion. p. 55.

Ternary carbide systems. p. 59.

Epik, A. P. - Third seminar in the department of physicotechnical problems in the study of materials at the Academy of Sciences of the Ukrainian S. S. R. p. 61

Bibliographical lists and catalog cards. p. 63.

No. 6, June 1964.

Table of contents translated:

Glazunov, S. G., Khorev, A. I., Moiseev, V. N. - Structural strength of heat-treated titanium alloys. p. 2.

Gorelik, S. S., Kozlovskaia, V. P., Tomilova, L. A. - Effect of iron on the formation of a macrocrystalline rim in aluminum alloys. p. 6

Kacymbekova, K. K., Melikhov, V. D., Presniakov, A. A. - Changes *in the structure of magnesium-*cadmium alloys during ordering. p 9.

Nagorskaia, N. D., and others. - Crystallization in the system Be - Nb. p. 12.

Al'tman, M. B., Postnikov, N. S., Loktionova, L. I. - Airtight foundry alloy in the system Al - Si - Mg. p. 15.

IAkimova, A. M. - Hydrogen embrittlement of titanium alloys with various structures. p. 18.

Elagina, L. A. - Constitution and structure of titanium alloy ingots in shrinkage cavity zones. p. 23.

IUr'ev, S. F., Sakharova, E. V. - Chemical coating of titanium with an antifriction nickel-phosphide. p. 28.

Skliuev, P. V., Grigor'ev, I. I. - Vacuum treatment of steel for seamless-forged steam turbine rotors. p. 34.

Sheindlin, B. E., Chekanskii, V. V. - Parameters of endothermic controlled atmospheres for the heating for hardening of chromium steels. p. 37.

Rubtsov, G. K., Nosov, V. S., Syromiatnikov, N. I. - Rapid heating of electrical steel in a fluidized bed. p. 40.

Shneiderov, M. R., Shlimak, IA. B., Kasimov, I. F. - Using chromium-boron steel for petroleum equipment parts. p. 43.

Svishchenko, V. T. - Heat treatment of 22K steel. p. 45.

Trush, I. V. - Quality of fitters' hammers. p. 46.

Alekseev, P. E., Smirnova, N. I. - Efficient conditions of heat treating case-hardened 18KhNVA steel parts. p. 47.

IArkovoi, V. S., Ivanov, V. D. - Structure of the transition zone during the welding of dissimilar steels. p. 48.

Bukhinik, E. N., Bogomolov, V. A. - Low-temperature gaseous nitriding of P9 and P18 steel cutters. p. 50.

Dashevskaia, G. U. - From the All-Union Exhibition of the Achievements of the National Economy. p. 51.

Strength of metals in 1980. p. 52.

Steel toughness at low temperatures. p. 54.

Extra-high strength materials. p. 56

Effect of impurities on the heat resistance of nickel-*base* alloys. p. 58.

Mechanical properties *of* certain high-strength steels. p. 60.

Effect of the state of austenite on the temperature of the Mn point in alloyed steels. p 62.

Bibliography. pp. 64, 3 of cover.

NEFTEGAZOVAIA GEOLOGIIA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS] Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U. S. S. R., and the Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 1, 1963.

Table of contents translated:

Bulatov, N. I., Vasil'ev, V. G., Elin, N. D. - Basic results of prospecting for oil and gas in the U. S. S. R. in the first four years of the seven-year plan. p. 3.

IArosh, B. I., Kordiiak, IU. E., Gan'ko, N. N. - Features of the tectonic structure and oil and gas potentials of the Northern Dolina, a new oil field. p. 14.

Zaritskaia, O. V., Mukharinskaia, I. A. - Reservoir properties of rocks in the Karlamyshevo series of the Shebelinka gas field in connection with the composition and types of their cements. p. 20

Smolianskii, V. M. - Locating deep fractures from data of structural drilling. p. 26.

Voronoi, E. E. - Improvement of the reservoir properties of rocks resulting from their [illegible] with hydrocarbons. p. 29.

Modelevskii, M. Sh. - Types of oil and gas pools in the southern sector of the Timan-Pechora [illegible] p. 34.

Anoshin, V. A., Vasserman, B. IA., Bazonov, [illegible] - New data on the oil and gas potentials of [illegible] sediments in the southern part of the Timan-Pechora area. p. 39.

Ivanov, A. V., Bogatskii, V. I. - Prospecting for oil and gas in the Perm sediments of the southeastern section of the Timan-Pechora area. p. 42.

Kovalenko, D. E., Zalkovskii, N. IA. - Evaluating the industrial oil potential and oil yield of sandstone reservoirs on the basis of a geophysical study made in the Glinsk-Rozbishevka field. p [illegible]

Kroms, A. IA., Malvievskaia, N. D. - Geological conditions and geophysical operations in the Timan-Pechora area in preparing structures for oil and gas prospecting drilling. p. 52.

Kraiushkin, V. A., Kazakov, S. D., Andruner[illegible], V. I. - Spectrographic investigation of petroleum[illegible] sols obtained from the menilite series of the Dolina field. p. 56.

Zav'ialov, V. A., Mal'tseva, O. S. - Mercury in [illegible] of the Devonian cross sections of the Timan Valley. p. 60.

Mandev, P. D. - New data on the oil potential of the lower Danubian trough. p. 63.

No. 11, 1963.

Table of contents translated:

Arbatov, A. A. - Upper Jurassic reefs of the Northern Caucasus. p. 3.

Gorlov, S. I., D'iakonov, A. I. - *Prospecting for oil* and gas in the Maikop sediments of the eastern Kuban. p. 6.

Shimanskii, A. A. - Conditions governing the formation of the multilayered gas condensate pools of western Ciscaucasia. p. 9.

Kotov, V. S., Mitin, N. E. - Oil and gas pools in contact with fresh waters. p. 14.

Kotseruba, V. V., Mushenko, S. P. - Conditions governing the formation of the large oil and gas pools in the Anastasiyevka-Krasnodar anticlinal zone. p. 16.

Liakhovich, P. K. - New data on the prospects for finding gas and oil in the Blagoveshchenskaya area of Taman' Peninsula. p. 21.

Durmish'ian, A. G. - Traces of the migration of oil and gas in the Apsheron oil-bearing region. p. 24.

Mekhtiev, Sh. F., Aliev, A. A. - Oil- and gas-producing series in the Paleogene-Miocene sediments in the Caspian-Kuba area. p. 29.

Ovnatanov, S. T., Tamrazian, G. P. - Fossil mud volcano in the Peschanyy-More area. p. 33.

Trotsiuk, V. IA. - Two types of geomorphologic expressions of the Upper Quaternary uplifts in valleys of the rivers of the Kura-Araks Lowland. p. 35.

Chistiakov, A. A., Kondakova, L. P. - Results of and certain problems involved in structural-geomorphologic investigations in the Achinory region. p. 39.

TSimel'zon, I. O. - New data on the tectonics of the *Caspian-*Kuba and southern Daghestan oil- and gas-bearing regions. p. 44.

Pustil'nikov, M. R., Rabkin, IA. M. - Subsurface *structure* of the Taman' Peninsula according to the data of seismic investigations. p. 48.

NEFTEPERERABOTKA I NEFTEKHIMIIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry] Moscow, no. 6, 1963.

Table of contents translated:

Chvertkin, A. L. - Starting up consolidated units for the purification of lubricants with phenol. p. 3.

Shkol'nikov, V.M., Bronfin, I.B. - Double-stage deasphalting of crude residues from the Tuymazy petroleum. p. 9.

Starshov, I.M., IAkupova, R.K. - Pyrolysis of casing-head gas. p 13.

Aliev, A.M., Aliev, V.S. - Catalytic aromatization of the 65—105° fraction of Surakhany selected petroleum. p. 16.

Svetozarova, O.I., and others. - Studying the composition of the aromatic hydrocarbons of gasolines. p. 19.

Martynov, V.M., Kaulina, M.M. - Method for determining the molecular weights of lubricant vapors. p. 21.

Zavidov, V.I., and others. - Obtaining extracts to be used as raw materials in the production of carbon black. p. 24.

IAstrebov, G.I., Atanazevich, E.I., Ievlev, G K. - Starting and operating a unit for distilling fatty acids. p. 27.

Nurlakhmetov, N.N. - Repair and operation of tube stills. p. 32.

Bogdanov, N. F. - Deep-vacuum distillation vat of the Grozny Petroleum Scientific Research Institute. p. 34.

Khaet, M. Z., Balakirev, A.A., Lishenvskii, M.I. - Operation of specific-weight gauges in a thermal-cracking unit. p. 36.

Romanov, I.S., Kuznetsov, V.N. - Automatic control of a unit for obtaining a neutralized metal contact. p. 41.

No. 7, 1963.

Table of contents translated:

Gamid-zade, G.A. - Polymers as raw materials for catalytic cracking. p. 3

Badyshtova, K.M., Denisenko, K.K., Chesnokov, A.A. - Obtaining KhF-12 oil from eastern sour oils. p. 5.

Baivarovskaia, IU.V., and others. - Obtaining a growth stimulant from the oils of Perm Province, p. 8.

Karapaev, B.I., Malkina, I.I. - Determining the content of surfactants in waste waters. p. 9.

Kurnosenkova, S.A., Slepchenko, L.G. - Determination of asphaltenes in petroleum residues. p. 14.

Finashin, V.N. - Improving the adhesion of road asphalts. p. 17.

Bugaichuk, A.M. - Efficient method for the neutralization of alkyl phenols by barium-hydroxide. p. 21.

Simeonov, A.A., Tikhomirov, M.V., Zimina, K.I. - Thermal-diffusion separation of hydrocarbons. p. 25.

Aliev, D.A., and others. - Investigating the thermal depolymerization of styrene tar. p. 32.

Sredin, V.V. - Catalytic-reforming tube stills. p. 37.

Naimushin, A.S. - Remodeling a gas fractionating unit. p. 43.

Fridland. M.I. - Methods and equipment for reducing and controlling carry over gas particles in apparatus with a fluidized bed. p. 47.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. *Moscow, no. 1, 1963.*

Table of contents translated:

Amiian, V.A. - Certain problems in the development of petroleum-production technology and machinery. *p. 3.*

Murav'ev, V.M. - Methods for stimulating the well-bottom zone. p. 7.

Isakovich, R.IA. - Further problems in the general automation of petroleum fields. p. 11.

Chemodanov, V.S., and others. - Conversion of reserves and the determination of the recovery factor of a flooded section of reservoir D_1 in the Bavly field. p. 13.

Ovnatanov, G.T. - Experimental confirmation of stress relief in a producing rock. p. 16.

Voroshilov, E.A. - Results of forced exploitation of certain reservoirs in the Surakhany field. p. 18.

Cherfas, A.A., Fakhretdinova, F.M. - Economic efficiency in the operation of electric sinking pumps. p. 22.

Mikerin, B. *P.* - Rehabilitation of inactive wells by the method of second shaft drilling. p. 26.

Chubanov, O. *V.* - *Improved* design of a pumping unit for breaking emulsions in wells. p. 30.

Pumping petroleum out of an oil trap. p. 32.

Floating oil trap. p. 33.

Use of in-situ combustion in the Shannon pool. p. 34.

Use of carbon dioxide to increase the productivity of wells. p. 38.

Automation of Virginia Hills field operations. p. 40.

No. 2, 1963.

Table of contents *translated:*

Russkikh, V.N., Berezaev, A.N. - Method for the calculation of fluid inflow to a well based on data obtained by means of a small radiation logging tool, p. 3.

Burlakov, I.A., Fursova, N.P. - Permeability of granular and fractured rocks as a function *of rock* pressure and temperature. p. 5.

Dzhangirov, S.S. - Drilling in when using aerated fluid with an admixture of surface-active *substances.* p. 8.

Goroian, V.I. - Method for sampling and investigating separation petroleum samples. p. 14.

Popova, M.I., Zverev, V.A. - Use of torpedo from detonating blast hole for cleaning oil-well filters. p. 17.

Avanesov, V.T., Rzabekov, Z.F., Tavarian, V.R. - Instrument for the determination of the maximum petroleum recovery factor. p. 18.

Usenko, V.S., Shaevskii, IU.I., Portnov, V.I. - Analy-
the bore of
re. p. 21.
poxy ad-
, and other
containers. p. 25.

Ponomarev, F.I. - Method for refining trap oil. p. 27.

McGhee. - Changing stroke length to increase the efficiency of beam-well equipment. p. 20.

Bleakley, W.B. - Use of cyclone desander. p. 30.

Vol. 4, 1963.

Table of contents translated:

Guseinov, *G.A., Solomonov, B.M.* - Special features of the geology and development of the Siazan' oil field. p. 3.

Gaidbekov, G.D. - Development of the Selli fractured oil field, p. 6.

Voroshilov, E.A. - Results of water injection with simultaneous forced exploitation in the northern periclinal horizon 2-2a of the Surakhany field. *p. 10.*

Polunin, E.E. - Increasing the efficiency of thermochemical treatment. p. 15.

Bakhtiiarov, A.S., Pastukhov, I.V., Stepanchikov, E.A. - Industrial experience in the thermal treatment of wells with a thermal injector, *p. 17.*

Mustaev, IA.A. - Electric heating of the well-bottom zone in the Bashkirian fields. p. 21.

Muratova, I.D. - Determination of the dispersion of petroleum emulsions by centrifugation using surface active *substances. p. 24.*

Matveev, I.M. - Use of the MGP-3 manometer for temperature measurement in flowing wells. p. 27.

Fakhreev, I.A. - Investigation of wells with *deep-well* flow meters of the Ufa Petroleum Scientific Research Institute. p. 30.

Alekseeva, V.A., Karelin, IA.A. - Removing *dissolved* petroleum from waste water using ozone. p. 33.

Experience in the use of solvents to increase petroleum recovery. p. 36.

Exploitation of wells in fractured reservoirs. p. 39.

Clark, N.J. - Sampling and analyzing reservoir oil. p. 40.

Clark, N.J. - Processing data on crude-oil samples. p. 42.

NEFTIANOE KHOZIAISTVO [PETROLEUM INDUSTRY]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 41, no. 1, Jan. 1963.

Table of contents translated:

Orudzhev, S.A. - Resolutions of the November Plenum of the Central Committee of the CPSU and technical progress in petroleum production. p. 1.

Vasil'ev, V.N. - Improve the planning of well construction; a topic for discussion. p. 8.

Kashnitskii, L.A. - Economic evaluation of the quality of oil and price formation; a topic for discussion. p. 11.

Ioanesian, IU.R. - Conditions determining the quality of the footage and the possibilities for improving it in turbine drilling. p. 15.

Grachev, D.A., Leonov, A.I. - Telemetering the rotation speed of a turbodrill shaft. p. 19.

Efendizade, A.A., Listengarten, B.A., Fradkin, A.''. - Investigating the operation of an electric drill with sweep-frequency voltage power supply. p. 23.

Saroian, A.E., Kasimov, I.F. - Permissible axial loads for casing strings; a topic for discussion. p. 29.

Brodskii, P.A., Shcherbakov, G.V. - Testing reservoirs while drilling wells using a tester on the cable. p. 32.

Lysenko, V.D., Mukharskii, Z.D. - Nonuniformity of reservoir D_1 in the Romashkino oil field according to the data of field investigations of wells. p. 36.

Maksimovich, G.K. - Expulsion of oil from a reservoir with foam. p. 39.

Safronov, S.V., Rozenberg, M.D. - Determining certain mean parameters of a reservoir using cubature *formulas. p. 46.*

Rabinovich, A.M. - Approximate method for calculating the curve of a force acting on the head of the balance beam of a pumping unit. p. 52.

Maslov, L.S., Stepaniugin, V.N. - Pipeline transportation of furnace mazuts mixed with diluents. p. 58.

Abiian, Kh.L. - Sectional turbodrill turbine with an eccentric connection. p. 64.

Shlykov, V.I., Mkrtychan, IA.S., Pozharnov, G.M. - Efficient design of the lightened cylinder bush of a drill pump. p. 66.

Siue TSian' [Hsüeh Ch'iang]. - Railroad gantry for the discharge of petroleum products without collapsible bridge decks. p. 68.

Krikunov, L.A. - Conference on surveying in petroleum production. p. 69.

Brief news. p. 71.

Bulatov, A.I. - Concerning the book "Reinforcing oil and gas wells in the United States by A.A. Gaivoronskii. p. 72.

Vol. 41, no. 7, July 1963.

Table of contents translated:

Shapiro, E.A. - Economic significance of specific capital investments in petroleum refining. p. 1.

Shakhmamedov, A.D. - System for payment of labor for drilling crews in prospecting drilling. p. 6.

Korshunov, I.V., Aleksandrov, M.A. - Economic conditions for selecting the form of the organization to run drilling crews. p. 10.

Bulatov, V.V., Karnaukhov, L.A. - Increasing the effectiveness of rock disintegration in the drilling of deep wells. p. 13.

Mangushev, K.I., Sergeev, I.S. - Increasing well-drilling speeds. p. 18.

Syromiatnikov, E.S. - Efficiency of the mechanization of lowering and hoisting operations in drilling. p. 22.

Kiria, T.A., Maisuradze, N.A. - Calculating the elongation of drilling and casing strings. p. 25.

Loshkarev, K.I., Repin, S.S. - Using a tester designed by the Grozny Petroleum Scientific Research Institute. p. 29.

Sazonov, B.F. - Effect of well spacing on the ultimate yield of a reservoir. p. 36.

Shcherbakov, IU.M. - Certain data on the factual recovery factors for the October field. p. 39.

Bokserman, A.A., Zazovskii, F.IA., Kamenetskii, S.G. - Determining reservoir parameters from the data of an investigation of a nonsteady inflow of a gas-liquid mixture. p. 44.

Abdullin, R.A. - Studying the processes of paraffin deposition in the tubing of deep well pumps in the Tatar A.S.S.R. p. 48.

Skripnik, E.I., and others. - Demulsifying oils using ultrasonics. p. 51.

IUsupov, IA.IU. - Uniflow air-tight system of gathering, preparing, and transporting oil and gas. p. 57.

Dzhafarov, A.A., Dokumentov, V.I. - Cutting a window in the production casing when drilling the second hole of a well. p. 63.

Kirichek, F.P. - Connecting half-locks to drilling pipes by electric arc welding. p. 66.

Juránek, J. - Heating oil pools in Czechoslovakia. p. 69.

All-Union volunteer workers' inspection of the fulfillment of scientific-research work and the introduction of scientific and technical achievements into the national economy. p. 71.

All-Union competition in the production of high-duty bits for the drilling of wells 5-10 thousand m deep. p. 72.

Brief news. p. 73.

Popiukaev, M., Vorob'ev, B., Strona, P. - On the book by V.D. Malevanskogo "Open gassers and their control." p. 75.

Vsevolod Sergeevich IAblonskii; obituary. p. 3 of cover.

Vol. 41, no. 11, Nov. 1963

Table of contents translated

[illegible], P. P. - Petroleum and gas industries in the U.S.S.R. approaching the forty sixth anniversary of the Great October Revolution. p. 3

[illegible], B.A. - Increasing the indices of turbine drilling at great depths. p. 6.

[illegible], V. B., Pulatov, V.V., Alekseev, IU.F. - Comparative data on specific operations in the disintegration of rocks under field and laboratory conditions. p. 11.

[illegible], S.M., Akhundov, A.M., Ter-Grigorian, IU.M. - New method for determining the point at which the pipe is frozen. p. 14.

Iakov[illegible], O.A. - Collapsing pressure for casings when casing oil and gas wells. p. 18

Sar[illegible], A.E. - *Determining the permissible* internal pressure in casing strings. p. 23.

[illegible], V.M. - Investigating the operation and wear of the packing of a drill-pump piston. p. 25.

Mustafinov, A.N. - Significance of geological conditions when excluding reservoir waters. p. 29

Maksimovich, G.N. - Similarity in the structure and productivity of Groznyy and Iranian pools. p. 32.

Kisilenko, B.E. - Effect of the viscosity and the displacement rate ratio on the nature of the water-oil contact displacement and the oil yield of the reservoir. p. 35.

M[illegible]vtsev, O.A., Meliukov, R.G., Krivonosov, I.V. - Investigating the effect of sand quality on the efficiency of sand-jet perforation. p. 41.

Isaev, R.G. - Processing the indicator curves of wells in a fractured reservoir. p. 43.

Mastov, L.S. - Determining the volume and weight of crude being pumped through a pipeline. p. 50.

Krasner, G.D. - Reliable communications systems for petroleum pipelines. p. 54.

Z[illegible]kov, IA.S., and others. - Efficient functioning of bits. p. 57

Dikel', A.D., Dirss, G.G., Litsyn, N.M. - Portable electronic checking dynamograph. p. 59.

Improving the scientific and technical backgrounds and the industrial training of specialists. p. 62.

Sixth World Oil Congress, drilling section. p. 64.

Ivanovskii, N.F. - Use of sinking centrifugal pumps in petroleum production abroad. p. 68.

Berkhman, L.I. - Valuable training and practical handbook, A. L. Il'skii's "Designing and manufacturing drilling equipment." p. 72.

Vol. 42, no. 3, Mar. 1964.

Table of contents translated.

Orudzhev, S.A. - December Plenum of the Central Committee of the CPSU and problems in the further development of the production of casing head gas. p. 1.

Shakhnazarov, A.D. - System for paying the wages of super-deep prospect drilling crews. p. 6.

IUzbashev, G.S., Gaivoronskii, A.A. - Possible ways of saving metals used for the bracing of oil and gas wells. p. 10.

Polarko, IU.L. - Anisotropy of the mechanical properties of rocks as a cause of the croockedness of wells. p. 15.

Angelopulo, O.K. - Measuring the specific weight of circulation mud. p. 18.

Zoloev, T.M., and others. - Development of the Apsalyamovo water cut petroleum area of the Tuymazy field. p. 21.

Kapyrin, IU.V., Trebin, G.F., Pozin, L.Z. - Using temperature effects in investigating the wells of the Romashkino field. p. 26.

Kagan, IA.M., Latypov, V.Kh. - Investigating the viscosity of emulsions of reservoir D_1 of the Shkapovo field. p. 32.

Balezin, S.A., and others. - Inhibitors for the hydrochloric acidization of oil wells with high bottom hole temperatures. p. 35.

Kadymov, IA.B., Listengarten, B.A. - Calculating the elongation of rods in the period of initial deformation. p. 38.

Gonik, A.A. - Corrosion of tanks in the oil fields of Bashkiria and its control. p. 42.

Mindlin, I.E. - Reviewing the designs of instruments for bottom discharge of petroleums and petroleum products. p. 52.

Babalian, G.A., Serpenskii, V.A. - Results of the scientific research of institutes for 1963 and the economic effectiveness of their industrial application. p. 57.

Ginzburg, M.IA. - Foreign experience in the automatic processing of information in remote-control enterprises of the petroleum industry. p. 68.

Brief news. p. 70.

*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri *Gosplane SSSR [State Committee* for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 29, no 5, 1964

Table of contents translated.

Valuable contribution of inventors and efficiency promoters in the improved technical level of enterprises of refractories. p. 194.

Novikov, A.N., and others. - Resin-dolomite-magnesite unfired refractories for steel smelting converters with a top oxygen blow. p. 197.

Sofronov, P.A., and others. - Silicon rectifiers for enterprises of the refractories industry. p. 201.

Margulis, O.M., Stovbur, A.V. - Thermal stability of products made of oxides. p. 206.

Kariakin, L.I. - Processes of mineral formation in blast furnaces and the effect of these processes on the wear of refractory linings. p. 209.

Kukolev, G.V., Nemets, I.I. - Increasing the thermal stability of grog refractories by the introduction of a burning-out organic fluid and mineral additives. p. 214.

Bron, V.A., Diesperova, M.I., Krotova, G.S. - Effect of additives, dispersion, and the firing temperature on the sintering of caustic dust. p. 221.

Vishnevskii, I.I., Skripak, V.N. - Heat conductivity of graphite-containing refractories. p. 227.

Krasotkina, N.I. - Products made of siliconized graphite for the protection of immersion thermocouples during the measuring of temperature of liquid steel. p. 232.

Glinin, P.L. - Car pusher. p. 237.

Til'k, G.T. - Use of heat-setting refractory mortars for the laying of steel-smelting furnace walls. p. 237.

Use of electrofused refractories. p. 239.

Bibliography. p. 240.

RAZVEDOCHNAIA I PROMYSLOVAIA GEOFIZIKA [PROSPECTING AND INDUSTRIAL GEOPHYSICS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut geofizicheskikh metodov razvedki [All-Union Scientific Research Institute of Geophysical Methods of Prospecting]. Moscow, vol. 49, 1963.

Table of contents translated:

Chalikova, E.K., Bolarova, E.D. - Determining the type of geological section on the basis of seismic prospecting data in the Kama-Kinel' Depression. p. 3.

Koriagin, V.V., Sokolov, A.F. - Wave-disturbances emanating from steeply dipping interfaces. p. 12.

Redkolis, V.A., Rikhter, V.I. - Seismic prospecting of sloping platform structures under conditions in the trans-Volga portion of Kuybyshev Province. p. 20.

Sokolov, A.F. - Processing the refractive hodographs of first arriving waves in observations by the reflection method. p. 32.

Nazarnyi, S.A. - Graphic analysis method for determining the velocity law from hodographs of forward waves. p. 39.

Shcherbakova, B.E. - Recording composite waves and testing methods of sounding in the Zeya-Bureya intermontane depression of the Far East. p. 51.

Akundov, I.D. - Distinguishing and studying repeated shocks in marine seismic prospecting using the controlled directional sensitivity method. p. 59.

Gumarov, K.S. - Results of electric prospecting in southwestern Turkmenia. p. 65.

Nikitenko, K.I. - Methods for the statistical interpretation of telluric observations. p. 72.

Egorov, A.P., Lozinskaia, A.M. - Comparative tests of microbarometers with increased accuracy. p. 80.

Berezkin, V.M. - Relationship between the density of rocks and the propagation velocity of the elastic waves in them. p. 86.

Zil'bershtein, S.I. - Spring microbarometric leveling instrument "MBNP." p. 88.

Kunin, N.IA., Davydov, N.G. - Accuracy of gravity surveying and sources of errors. p. 94.

Zhuravlev, V.P., Popov, V.K. - Calculation of the screening effect of two layers in the interpretation of logging resistance data. p. 101.

Masiukov, V.V. - Interpretation of the data of component analysis of reservoir gases in gas well logging in the Volga-Ural oil-bearing region. p. 118.

Ivankin, V.P. - Determining the volume of a well with a caliper log. p. 130.

Migunova, M.F., IUrkova, L.A. - Use of the equipment of industrial geophysics. p. 134.

REFERATIVNYI ZHURNAL. GORNYE MASHINY (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MINING MACHINERY (Separate Issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk *SSSR [Institute* of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 7, July 1964.

*REFERATIVNYI ZHURNAL. METALLURGIIA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 7, July 1964.

RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Ferrous Metallurgy] Moscow, vol. 7, no. 6, 1964

Table of contents translated.

Pavlov, V.V., Popel', S.I. - Kinetic characteristics of the $C+O \rightleftharpoons CO$ reaction developing at the surface of bubbles of a boiling bath. p. 5.

Dobrydon', A.A., Esin, O.A., Chuchmarev, S.K. - Intensifying the desulfuration of cast iron by the electrolysis of slag. p. 11.

Fedorenko, G.I. - Distribution of materials by their granulometric composition in the hopper of the *small bell.* p. 17.

Livshits, B.A. - Investigating the mechanical properties of the basic components of iron ore sinters. p. 23.

Vitiugin, V.M., Prokhorovich, V.A., Begma, A.S. - Nodulizing iron ore concentrates with cast iron filings. p. 26.

Cherniatin, A.N. - Investigating the indices of the thermal conditions of a blast furnace in steady and transient conditions of its operation. p. 29.

Voronov, F.D., D'iakhonov, A.I., Lorman, V.V. - Oxidation of the open-hearth furnace bath by the hearth atmosphere and its effect on the [illegible] smelting. p. 40.

Bigeev, A.M., and others. - Hydrogen behavior in the metal of high capacity and extra high capacity open-hearth furnaces. p. 44.

Konovalov, V.S. - Changes in metal temperature during deoxidation and alloying. p. 47.

Serokhvostov, A.L., Bogatenkov, V.F., P[illegible], D.IA. - Dust formation during the blowing of an open-hearth furnace bath by oxygen. p. 52.

Zborovskii, A.A., Rabinovich, L.I. - Mechanism of the formation of blisters in rimmed steel ingots. p. 56.

Chuiko, N.M., and others. - Vacuum treatment of liquid steel in the ladle or while pouring. p. 63.

Plokhanov, P.S., Danilov, P.M. - Effect of shaking liquid steel during solidification of the ingot on the quality of the metal in cast and rolled states. p. 68.

Nikolaev, V.A. - Determination of specific pressures. p. 77.

Starchenko, D.I., Vinaov, T.F. - Experimental investigation of force and energy conditions of rolling in flat, T-bar shaping grooves. p. 81.

Sokolov, L.D. - Resistance to deformation in ferritic steels. p. 88.

Shveikin, V.V., Ivshin, P.N. - Dependence of changes in the thickness of pipe walls during their reduction on the toughness and plasticity (hardening) of the metal. p. 92.

Polukhin, P.I., and others. - Approximate modeling of stresses in the surface layers of work rolls. p. 97.

Poksevatkin, M.I., and others. - Contact stresses during the hot upsetting of carbon and alloyed steels. p. 103.

Fedorov, N.A., TSeliukov, V.S., Zaikov, M.A. - Distribution of torque in the spindles of two-high reversing medium sheet mills. p. 109.

Brichko, G.A. - Averaging plasticity equations. p. 114.

Ponomarenko, E.P., Vasilenko, G.I. - Nonuniform carbon distribution and form of the separation of cementite in transition layers of the steel-bronze diffusion couple. p. 117.

Grdina, IU.V., Kropysheva, L.D. - Top boundary temperature of flake occurrence in steel. p. 125.

Apaev, B.A., Krasotskaia, S.N., IAkovlev, B.M. - Effect of aluminum, copper, and carbon on carbide formation processes and graphitization during the quenching of hardened steels. p. 130.

Popov, V.S., Dmitrichenko, N.S. - Wear resistance of certain hard facings and standard steels used for metal dies for operation in an abrasive medium. p. 139.

Poruchikov, IU.P., Tokarev, Zh.V., Shalov, A.IA. - Selection of an efficient shape and size of risers for steel castings. p. 144.

Taran, N.I., Khrapov, A.IA. - Determining the minimum fluidity of metals and alloys providing for the filling up of foundry molds. p. 149.

Belov, I.V., Postnikov, IU.D. - Heat condition parameters and the aerodynamics of an open-hearth furnace fuel spray. p. 156.

Vidin, IU.V., Boikov, G.P. - Calculating the asymmetrical heating of an infinite plate under the effect of radiation. p.167.

Kapichev, A.G., and others. - Results of testing heat processes in open-hearth furnaces heated by gasified mazut. p.173.

Sivolapov, V.G., and others. - Amount of heat contained in flue gases as pulse for the regulation of temperatures in open-hearth furnaces. p.179.

Oreshkin, P.T., Deviatkin, V.A., Popov, I.I. - Thermal diffusion currents and the thermoelectromotive force in industrial refractories at high temperatures. p.184.

Vorob'ev, S.A., Mironov, E.G. - Possibility of maintaining the blast conditions of a blast furnace at the optimum level. p.191.

Grebenik, V.M., Kucherenko, V.F. - Experimental investigation of the effect of alternating overloads on fatigue strength and durability with and without stress concentrations. Report No.1. p.199.

Ivanchenko, F.K., and others. - Experimental investigation of pressures applied by sliding saws during the cutting of heated metal. p.207.

Saburov, A.M., Pal'mov, E.V. - Selecting the diameter of cutters for cutting thick plates with circular shears. p.213.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]. Moscow, vol.7, no.4, 1964

Table of contents translated

Mosin, I.M. - Determining the thermophysical constants of coals and rocks at high temperatures. p.3.

Bakaldina, A.P. - Effect of the petrographic composition of coals on their content of absorbed methane. p.10.

Klochkov, V.F. - Regularities of the change in rock pressure on the bottom of the block. p.13.

Mishchenko, N.V., Nekrasov, O.P., Mishchenko, V.N. - Using the continuous mining system with radial advancement of the face. p.20.

Naldysh, A.M., and others. - Determining the optimum load on a panel for mines with a high methane liberation. p.26.

Petukhov, I.A., Lotov, S.A. - Span limit of the first caving of the main roof in Chelabinsk Basin longwalls. p.33.

Arsent'ev, A.I., Polishchuk, A.K. - Determining the limits of a strip mine for the selective mining of several types of ore. p.38.

Korobov, S.D. - Method of determining the extent of open pit mining with the help of electronic calculating machines and a matrix digital model of the deposit. p.43.

Pakhomov, E.M., Saratovskii, E.G. - Calculating the optimal distribution of the size of stripping operations according to years with the use of linear programming. p.50.

Makarov, N.I. - Graphoanalytical method of calculating basic parameters for the mining cycle. p.54.

Nikolaev-Dembinskii, K.P. - Industrial geometrization of the qualitative indices of the Krivoy Rog Basin iron ore deposits containing lean magnetite ores. p.61.

Bukrinskii, V.A. - Determining real platforms according to graphic representation. p.73.

Levchenko, A.K. - Economic efficiency of leaving rock in the mine while working flat and inclined seams in the Donets Basin. p.76.

Burkov, A.G. - Cost of maintaining workings while filling longwalls of steeply pitching seams with rock. p.86.

Petrov, I.P. - Contact of particles in dust passages with the movement of the dusty air current. p.92.

Sokolov, E.M. - Gas liberation in extraction drifts of the Moscow Basin. p.97.

Kotov, G.K. - Theoretic basis for calculating efficient depths of overdrilling of boreholes with the use of computing machines. p.100.

Sidorenko, A.K., Savel'ev, M.S. - Effect of the degree of wear of a boring bit on its efficiency during boring. p.106.

Efimov, A.N. - Equations of the external dynamics of mining machinery. p.110.

Mel'nikov, T.I. - Deriving formulas for determining the hydraulic slope of a pulp duct. p.119.

Markman, N.E. - New type of nomogram for determining the size of wires in mine cables. p.125.

Bondarev, V.S. - Study and calculation of the loading part of a belt conveyor. p.129.

Kuprin, A.I., Smorodskii, V.V., Glinianyi, IU.V. - Electromagnetic devices for determining the coefficient of static friction. p.138.

Vasilevskii, M.N., Chertkov, M.A. - Operating temperatures of an asynchronous motor with a double cage rotor in the drive of a multirope hoist. p.142.

Kozin, V.Z. - Mathematical description of the flotation process with the help of a multiple correlation equation. p.147.

Arsiutkin, N.V., Trop, A.E. - Invariance in combined regulation diagrams. p.157.

Ikramov, R.Z., Stoliarov, I.M. - Automation of the starting up of an electric mine locomotive with alternating current. p.163.

Sokhin, IU.M. - Dressing large-size classes of tin ores in heavy media. p.168.

Galich, V.M. - Comparing results of testing certain flow sheets for the dressing of molybdenum ores. p.173.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas]. Moscow, vol.6, no.5, 1963.

Table of contents translated:

Vezir-zade, F A., Bagarov, T.IU - Certain results of the geothermal investigations of the Bibleybat Field p.3.

Nikanorov, A.M. - Underground waters of the Khvalynian and Khazar sediments of eastern Ciscaucasia. p.9.

Shevtsov, V.D. - Investigation of the hydromechanical interaction of phases in a viscoplastic liquid--gas system in the absence of heavy-phase gas flow. p.15.

Riazantsev, N.F. - Hydraulic drilling-jar operation. p.21.

Akhmedov, A.A. - Determining the changes in the drillability of rocks with depth. p.27.

Mamedov, A.K. - Experimental investigation of the mechanism of a one-way coalescing displacement from a porous medium of nonpolar fluids p 31

Zubkov, N.V. - Determination of the separation factors of gas anchors. p.37

Guseinov, F.A. - Investigation of side tracking p.41.

Farzane, IA.G. - Investigation of residual condensate-saturation with consideration of connate water. p.47.

Neprimerov, N.N., Sharagin, A.G. - Investigation of wells in the Neftyanyye Kamni field with remote-control devices. p.53.

Paushkin, IA.M., Lunin, A.F., Mkrtychan, V.R. - Influence of ultraviolet rays on the isomerization of cyclohexane to methylcyclopentane. p.57.

Osinina, O.G. - Estimation of the temperature of a radiation-absorbing surface in the radiant chamber of a tubestill heater in the presence of contamination. p.63.

Petrov, A.P., Movsumzade, M.M. - Terephthalic acid from petroleum-refining products. p.67.

Kharlamenko, V.I., IAblonskii, V.S. - Displacement of petroleums and petroleum products in pipelines under laminar-flow conditions. p.71.

Rybakov, V.V. - Thermodynamic properties of argon at high temperatures. p.77.

Ramazanzade, M.G. - Heat conduction of certain petroleum hydrocarbons as a function of temperature. p.81.

Akhmedov, A.A. - Nonstationary separate consecutive motion of two viscous fluids in pipelines. p.83.

Belash, P.M., Kirilichev, A.M. - Solution of nonsteady petroleum and gas flow problems in networks of ohmic resistances only. p.87.

Orlov, G.L. - Stabilized current generator for deep-well measurements. p.91.

Leitman, M.B., Pakhlavuni, R.K. - Pulse-length modulator for telemetering systems. p.97.

Shlykov, V.I. - Nature of the abrasive wear of drilling-equipment parts made of magnesium cast iron. p.103.

Rudi, V.P. - Effect of modified starch on the properties of drilling muds. p.109.

Bagaturov, S.A. - V.V. Kafarov's book "Fundamentals of mass transfer." p.112.

Sarkisian, B.M. - Progress in the programming of the development of oil fields in Azerbaijan. p.114.

Gol'd, M. - Methods for testing and completing prospecting wells. p.117.

Brief news. pp.8, 30, 40, 52, 66, 96, 108.

Vol.7, no.1, 1964.

Table of contents translated:

Savchenko, V.I. - Two groups of reservoir rocks of the producing sediments of the Gnedintsevskoye oil field. p.3.

Ovanesov, M.G. - Oil potential of the carbonate interlayers of the producing (terrigenous) Devonian formation of the Shkapovo oil field. p.7.

Derebizov, G.P. - Effect of the axial weight on the mechanical sinking speed in drilling with milling bits. p.11.

Ledlashov, O.A., Katryshev, I.E. - Variation in the indices of the simultaneous operation of a pump turbodrill turbine when using heavy muds. p.17.

Gulizade, M.P., and others. - Investigating the dynamics of the movement of the string in a slant well. p.23.

Mamedov, G.A., Farzane, IA.G. - Water drive of gas (air) from nonuniformly layered porous rocks. p.29.

Basniev, K.S., TSybul'skii, G.P. - Using Leibenson's transformation to process pressure build-up curves in gas wells. p.35.

Agaev, R.K., Akhmedov, Z.M. - Effect of gas overflow between interlayers on the change in the productivity factor in time. p.39.

Zubkov, N.V. - Method for determining the required weight of the weighted bottom of sucker rods. p.43.

Zeliznyi, A.M., Prokopets, M.M., Chernlavskaia, A.P. - Role of paraffin hydrocarbons as antisolvents in the reaction of alkyl benzenes with dimethylformamide. p.47.

Larionov, V.A. - Out-of-town session of the Council for Science and Technology in the city of Groznyy. pp.52, 62, 76.

Konstantinov, E.N., Nikolaev, A.M. - Mass transfer in the rectification of multicomponent mixtures. p.53.

Mekhtiev, S.D., Nartmanbekov, O.A. - Vapor phase recovery of acrolein. p.59.

Lialitsyna, M.S. - Obtaining higher fatty alcohols from low-melting paraffins in the carbamide dewaxing of various Groznyy petroleum products. p.61.

Leshchiy, N.P., Mocherniuk, D.IU. - Turbulent flow of clay mud. p.63.

Isaev, R.G. - Fluid flow in a fractured reservoir rock. p.69.

Mukhametzianov, G.Kh., Tarzimanov, A.A., Usmanov, A.G. - Experimental investigation of the heat conduction of normal alcohols. p.73.

Abdurashitov, S.A., Avanesian, V.G. - Experimental investigation of the physical properties of emulsion oils. p.77.

Pokrovskii, K.P., Ramazanova, E.E. - Calculating the condensation isotherm of gas condensate systems. p.80.

Petriakov, B.L - Stresses in the walls of soft containers when liquid petroleum products are transported in them by trucks. p.85.

Kuliev, I.A. - Designing communication channels with a periodically varying load for oil field depth-measurement devices. p.91.

Danevich, V.I., Ismailov, A.Kh. - Theory of nuclear-magnetic logging; simulating the orthogonal position of a polarized coil. p.97.

Ped'ko, A.I., Ismailov, M.A. - Sliding and rolling speeds of a bearing depending on the dimensional relations of tricone bits. p.101.

Kostrin, K.V. - Ukhta oil in Hamburg in 1747. p.105.

Zabarinskii, P.P. - Bituminous dolomites and how they are used in industry. p.107.

Guzhov, A.I. - Movement of oil-gas mixtures in pipelines. p.109.

Salatinian, I.Z., Shuvaev, A.M., Bashkirtsev, M.I. - New reservoir disconnectors. p.113.

Mustafaev, I.S. - Concerning the book "Fundamentals of general paleogeography." p.114.

Agaian, T.L. - French petroleum institute. p.116.

Sl

Es'kov, A.S. - Maximum rate for the deepening of vertical shafts. p.13.

Slobodkin, M.I. - Calculated loads on the reinforcement of mine shafts. p.14.

Pass, V.V. - Waterproofing mine shafts in operation by means of cementation. p.17.

Shparber, P.A. - Selecting a freezing mixture for rock freezing. p.18.

Nabokin, N.I., Kiselev, G.P. - Chemical method of rod footening rods. p.19.

Klykov, IA.L., and others. - Lining a crusher chamber with the help of a hanging scaffold. p.20.

Piven', G.I. - Using precast reinforced concrete supports in Karaganda Basin mines. p.21.

[illegible]

cap

Kichaev, V.A. - Machine for preparing wooden rod bolting. p.26.

[illegible], M., and others. - Semiautomatic coupling for mine cars. p. 27.
[illegible], V.V. - Elimination of accidents at the [illegible] Northern Urals bauxite mine. p. 28.
[illegible], A., [illegible], O. - European record achieved by [illegible] miners by sinking 284 meters of a shaft in one month. p. 30.
[illegible], G.I., Belash, A.S. - Rapid mining of a drift at the [illegible] Mine in South Africa. p. 32.
[illegible], I.I. - New coal region in the Donets Basin. p. 33.

[illegible] 1964.
Table of contents translated
[illegible] Congress of Mine [illegible].
[illegible] faster, cheaper and better. [illegible]
[illegible] of the All-Union Congress [illegible] practices in the construction [illegible] for the coal and ore industry [illegible], scientists, engineers, technicians and [illegible] p. 3.
M[illegible], A.T. - Heat engineering calculations for [illegible] supports erected in a zone of frozen [illegible] p. 5
[illegible], D.D., Kr[illegible], A.A. - Lightweight foundations [illegible] and hoisting machinery. p. 8
[illegible], S.M. - Economic efficiency of supports for [illegible] workings in Kuznetsk Basin Mines p. 1[illegible]
P[illegible], A.P., TSirkovich, IA.N. - Regulate the system of awarding bonuses to miners of [illegible] construction in the Donets Basin p. 12
V[illegible], M.N., Kovan, E.L., Stolbun, M.L. - New electric apparatus for the control of an [illegible] drive of hoisting equipment in mine [illegible] p. 13.
T[illegible], D.L., Shev[illegible], N.L. - New "Svet-2" lamp for lighting mine shafts. p. 16
I[illegible], F.M., Gorelykh, A.G., Trofimov, D.P. - Mechanized erection of concrete supports in the Krivoy Rog Basin. p. 19.
T[illegible], M.K., Es'kov, A.S., Torgovitskii, A.IA. - Reinforcing and reconditioning the old shaft lining of the Komintern Mine. p. 22.
Sh[illegible], A.I., Prostov, N.A. - Working 338m of a running tunnel in one month in the construction of the Moscow subway. p. 24.
N[illegible], V.V. - Raising the height of a bench with the help of a ripper. p. 26
Sh[illegible], A.P. - Using rods for various purposes in the Kuznetsk Basin p. 28.
G[illegible], A.E. - Instruments for measuring the amount of dynamic pressure on shaft linings. p. 28
Underground electric equipment of mines in the Polish People's Republic. p. 29.
[illegible], G. - Scientific technological congress of mine builders p. 30.
Zadykhailo, K.V. - Concerning the book "Building tower headframes." p. 31.
K[illegible], IU.G. - Concerning the French-Russian mining dictionary. p. 31.

Vol. 8, no. 4, Apr. 1964.
Table of contents translated.
Gorlin, M.IU. - Construction of enterprises for the coal industry in 1964-1965. p. 1.
Fedotov, A.P., Surkov, A.I. - Investigation of the stressed state of rocks in front of the face in development workings. p. 4.
Kikulin, G.P., Muchnik, P.L., Narlova, Ch.I. - Plastics for combination shaft linings in potash mines p. 6.
Zurkov, P.E., Borokhovich, A.I. - Type and size of pumping stations for coal and ore mines. p. 8.
Nagibin, P.V. - Selection of the optimal pitch for sinking shafts. p. 9.
Davydov, V.V., Korendiasev, V.V., Mitrakov, V.I. - Synthetic resin for decreasing the inrush of water during shaft sinking. p. 12.
Borisov, A.I., Nosenko, S.I. - Vagrant currents at the "Volodarskii" salt mine. p. 13.
Borokhovich, A.I., Gusev, V.V. - Increasing reliability of the operation of oil systems in mine hoisting machinery. p. 15.
Bugrim, S.F. - Obtaining high-strength silicate concrete on a base of mine waste rock. p. 15.
Parfenenko, L.S., Vitkovskii, IU.I. - Borehole diameters and the blasting of borehole charges during the mining of horizontal workings. p. 16.
Galer', A.I. - Rapid mining of crosscuts at "Pervomayskiyugol'" Trust mines. p. 19.
Kornievskii, D.N., Rafal', IA.G. - High rates of mining inclined workings. p. 22.
Chtrakh, A.G. - Organization of haulage on the surface of mines under construction. p. 24.
Alekseenko, G.M. - Taking apart a protective pillar during the deepening of a vertical shaft. p. 27.

Belash, A.S., Linnik, G.F. - Boring upraises in the United States. p. 28.
Nikitin, I.P., Drobnitsa, V.F., Drebnitsa, A.V. - Using ventilation pipes made of synthetic materials in the mining industry. p. 29.
Grigor'ev, V.L., Shymkov, I.P. - Conference on the problems of mining Donets Basin coal deposits at great depths. p. 30.

Vol. 8, no 5, May 1964.
Table of contents translated:
Meleshkin, S.M., Ivanov, V.A. - Ways of expanding iron ore mining in the U.S.S.R. p. 1.
Beliaev, V.F., and others - Reinforcement of rocks to control deformations of the benches and slopes of strip mines. p. 4.
New books. pp. 7, 32.
Maksimov, A.P. - Some considerations about the stability of mine workings during the mining of deep levels. p. 8.
Lavrinenko, V.V. - Three-dimensional design solutions for tower-type headframes for multirope hoists. p. 11.
Es'kov, A.S. - Economic efficiency of deepening shafts by several levels p. 15.
Maksimov, V.A., and others. - Testing the BPM-1 boring and loading machine at the Sarany chromite mine. p. 17.
Kunets, G.O., Dolinskii, N.A., Stoianov, A.T. - Rapid crosscutting with the use of the PML-9 loading machine. p. 21.
Koretskii, B.A., Komarov, G.I., Zhuravlev, V.N. - Using preliminary and consecutive cementing in the Kuznetsk Basin p. 22.
Alekseev, V.L., Polovov, B.D., Shchukin, A.S. - Construction of a watertight barrier in a shaft by the underwater concreting method. p. 25.
Torgovitskii, A.IA., Parfenenko, L.S. - Construction of a dredging well in Czechoslovakia. p. 28.
Cementless silicate facing tiles. p. 29
Flush muds for boring frozen boreholes in the Berezovskiy potash deposit. p. 30.
Cherepanov, G.S. - Scientific conference on the use of progressive techniques and equipment for boring and blasting operations in the mining industry. p. 30.

SOVETSKII SHAKHTER [SOVIET MINER]. Issued by TSentral'nyi komitet Profsoiuza rabochikh ugol'noi promyshlennosti SSSR [Central Committee of the Trade Union of Workers of the Coal Industry of the U.S.S.R.]. Moscow, vol. 11, no. 12, Dec. 1962.
Table of contents translated:
According to Lenin's principles. p. 2.
Degtiarev, V. - Our potentialities are great. p. 4.
Simonovich, E. - The Donets Basin is expanding its boundaries. p. 7.
Korneev, V. - The "Rossiia" Mine. p. 8.
Savenko, M. - With the Snezhnoye efficiency experts. p. 11.
Krasulia, V. - New equipment means a new organization of labor. p. 12.
Zuev, A. - They are conquering time. p. 14
One month's records. p. 16.
IUgilevich, M. - Miner with a great spirit. p. 16.
Kraevoi, M. - In search of creative power. p. 17.
Zhuravlev, S. - The result does not correspond to expenditures. p. 20.
Mel'nikov, K. - Meanwhile, disputes are going on.... p. 22.
Grivennyi, I. - The warm-up. p. 24.
Panov, A., Pererva, V. - Let new beacons burn. p. 25.
Avramenko, I. - Isn't this romanticism! p. 27.
Machekha, A. - A year in my life. p. 28.
Pirogov, I. - Ownership p. 29.
Krutov, A. - You for society and society for you. p. 31.
Toropkin, I. - A family's life is not a private affair. p. 33.
Goncharov, A. - Training school. p. 34.
Gul'tiaev, V. - In the unfinished mine. p. 38.
Readers' letters. p. 39.
Batyrev, V. - At the 80th parallel. p. 40.
New books. p. 42.

Vol. 12, no. 1, Jan. 1963.
Table of contents translated:
With big strides. p. 2.
Ivanov, A. - The new giant mine. p. 4.
Savel'ev, L. - This is the way time is wasted. p. 6.
Khobotov, IU. - Unrealized expectations. p. 9.
Kolesnikov, A. - As if it were a stepchild. p. 10.
Bragin, A. - A full load on the cutter-loader. p. 13.
Lysenko, G. - Suggestions from innovators. p. 16.
Kuz'min, G., Shirokov, A. - Wooden rod bolting. p. 17.
Rabicheva, N. - New boring cutter-loader. p. 17.
A single brigade; review of readers' letters. p. 19.
Portnykh, P. - They call him "a beacon." p. 21.
Rabe, V. - Anatolii Sozinov's example. p. 22.
Study and work go hand in hand. p. 23.

Andrianov, V., Sotnik, L. - A man is born. p. [illegible]
Ershov, A. - From parasitism to offenses. p. [illegible]
Volkov, A. - Socialist competition is creativity. p. 28.
Moroukov, S. - He does as he pleases. p. 29.
Streams of the people's art. p. 30.
Grotseskul, G. - Emergency. p. 32.
Sem'ianov, V. - Trade union activists of Mine No. 15. p. 32.
Boldyreva, N. - More than neighbors. p. 33.
Ivanov, D. - My friend Alesha! p. 34.
Miner's news. p. 36.
Readers' letters. p. 38.
Tikhonov, V. - A miner's time must not be wasted. p. 39.
Sosnov, V. - For miners and mechanics. p. 40.
Consultation. p. 42.
Is there radioactive radiation in mines? p. 44.
Mambrini, A., Dzhiovannetti, D., Gagliardi, S. - "Your endeavors are inspiring us as well." p. 4[illegible]
Chess. p. 47.

Vol. 12, no. 9, Sep. 1963.
Table of contents translated:
Belokolos, D. - To feel the pulse of life. p. 2.
We are holding fast to the road of communism. p. 4.
Piatnitskii, N. - Result of searching. p. 9.
Kolomiets, V. - Success of miners beyond the Arctic Circle. p. 10.
Sorokin, V. - Labor is creative genius. p. 12.
Lazarov, N. - When our neighbors are having [illegible] p. 14.
Stanitsyn, A. - Our strength is in friendship. p. 16.
Martynov, B. - In the "Iron longwall." p. 17.
Gorbutov, V., Kachur, A., Petrova, N. - Undertaking worthy of dissemination. p. 18.
Mokhov, N. - Brigade, brigade captain, and mine foreman. p. 20.
Two letters about a noble undertaking. p. 26.
Rabicheva, N. - Even though the seam is thin.... p. 28.
Golzitskii, F. - Until when? p. 30.
Sokolov, V. - Twenty years later. p. 32.
Mikhailov, V. - Alarm; a story. p. 36.
Consultation. p. 38.
Shpilevoi, A. - They will be held responsible. p. 4[illegible]
Khobotov, IU. - Indifferent people. p. 43.
Semenov, A., Kononchuk, G. - Through Australia and New Zealand. p. 44.
The variegated world of nature. p. 47.
Chess. p. 47.
For leisure time. p. 48.

TRANSPORT I KHRANENIE NEFTI [TRANSPORTATION AND STORAGE OF PETROLEUM]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 3, 1963.
Table of contents translated:
Edigarov, S.G. - Basic problems in the technical development of the transportation and storage of petroleum and petroleum products. p. 3.
Dizenko, E.I. - Experience in the automatic control of intermediate petroleum pipeline pumping stations. p. 7.
Biktashev, Ch.F. - Experience in fitting new pipelines into those already in operation. p. 10.
Shvarts, M.E. - Sealing annular gaps in tanks with metal pontoons roofs. p. 12.
Abramzon, L.S., Skovorodnikov, IU.A. - Device preventing the deposition in oil tanks. p. 16.
Berezin, V.L., Gumerov, A.G., Rashchepkin, K.P. - Performance of petroleum-plant tanks. p. 19.
Chertkov, IA.V., and others. - Efficiency of fuel storage filters. p. 22.
Reznik, N.F., TSitovich, S.I. - Automatic samplers for petroleum polluted waters. p. 25.
Stetsenko, S.E. - Semiautomatic pouring of bright petroleum products into a shallow container. p. 27.
Nazipov, R.N. - Automation of petroleum-trap and sewage pumping stations. p. 28.
IUmashev, R.A. - Technical and economic indices of the transportation of highly-viscous Arlan petroleums. p. 30.
TSimbler, IU.A. - Separators for consecutive pumping of petroleum products. p. 34.
Prevention of water hammers in pipelines. p. 37.
Prokop'ev, O.P. - Dissemination of progressive practices in the Main Administration for Supply of Petroleum Products to the National Economy of the R.S.F.S.R. p. 39.

TRANSPORT I KHRANENIE NEFTI I NEFTEPRODUKTOV [TRANSPORTATION AND STORAGE OF PETROLEUM AND PETROLEUM PRODUCTS]. Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U. S. S. R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 4, 1964.

Table of contents translated:

Abramson, P.I. - Certain problems involved in designing pipelines. p. 3.
Zonn, N.L., Galimullin, G.M. - Increasing the efficiency of pumping stations. p. 4.
Enikeev, S.B. - Nomograms for determining the specific consumption of electric energy in petroleum and petroleum products pipelining. p. 7.
Bobrovskii, S.A., Kozobkov, A.A., Messerman, A.S. - Tensomanometer for measuring pressure pulsations in pipelines. p. 10.
Roev, G.A. - Determining the profile of flat-rolled pipes depending on the molding pressure. p. 14.
Gul'ko, A.E., Chulin, V.M. - Sparkproof electronic relay. p. 17.
Bunchuk, V.A. - Decentralized systems of petroleum enterprise reservoir pumping using electric sinking pumps. p. 20.
Rudakov, G.V. - Using surfactants to reduce losses in the storage of petroleum products. p. 26.
Beer, A.IA., Dubrovskii, P.A. - Some results of the operation of UDAR-3 radioactive level gauges. p. 20.
Zaitsev, V.G. - Building tanks with pontoon roofs in the bulk plants of the Saratov Administration. p. 34.
Chulin, V.M., Bakanov, E.I. - Pressure-drop signal indicator with explosion protection. p. 35.
Shapovalov, I.G. - Universal nozzle for the hoses of discharge standpipes. p. 37.
Pumping viscous paraffin oils. p. 38.
Station for checking flow meters. p. 41.
Floating shields for cylindrical tanks. p. 42.

UGOL' [COAL]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U. S. S. R.] and others. Moscow, vol. 39, no. 6(459), June 1964.

Table of contents translated:

Gallorybov, N.A. - Results of the R.S.F.S.R. coal industry for five years of the seven year plan. p. 1.
Kaminskii, V.S. - Chemization of the coal industry. p. 6.
Krylov, V.F., and others. - Mining 1,000 tons of coal in one day in the Kuznetsk Basin with the OMKU complex. p. 12.
Malonin, P.K., Lazarev, G.A. - Reconstruction of Mine No. 36 of the "Karagandaugol'" Combine. p. 15.
Preparation of unclassified coal: Jigging unclassified coal at the "Verkhne-Duvanskaya" Central Preparation Plant. p. 17.
Ivanov, K.I., Betanell, K.P. - Studying the deformation, bearing capacity, and stressed state of wide coal blocks. p. 20.
Kardakov, V.E. - Protection of haulage drifts by reinforced concrete posts. p. 25.
Ogloblin, D.N., Brezhnev, D.V. - Possibility of using the OTSh micrometer theodolite in mine surveying. p. 28.
Sumin, I.P., and others. - Using a two stage distribution of blastholes on stripping benches of the Krasnogorsk open pit coal mine. p. 30.
Demin, A.M. - Stability of rectilinear shape slopes. p. 32.
Aleinikov, A.A., Chubenko, P.F., Smalii, V.E. - Technical and economic analysis of the conditions of the hydraulic breaking of coal in thin seams. p. 34.
Khorin, V.N., Strakhov, V.M. - Expanding the overall mechanization of stoping operations at the Pechora coal basin. p. 38.
Lerner, B.I. - Improved planning is an important condition for the successful use of internal potentials. p. 44.
Kal'myk, M.K. - Correlative analysis of basic factors affecting labor productivity. p. 49.
Davydov, B.A. - Effect of mine working loads on the cost of coal mining in the Pechora Basin. p. 53.
Zhelobko, A.B., Gavrichkov, F.A. - Training of specialists in the coal industry. p. 55.
Burchakov, A.S., Liventsev, V.V. - Experimental and analytical method of calculating parameters of the wetting of a mine section. p. 56.
Galko, E.I., Ivanov, V.S. - Studying by the method of seismic acoustics the effect of the protective mining of overlying and underlying coal seams. p. 62.
Nikitin, V.S. - Efforts to control dust in coal mines in England. p. 65.
Potapkin, I.F. - Readers' response to the article by F.M. TSyby "Preservation of openings from the effects of mining underlying and overlying seams," "Ugol'," no. 4, 1963. p. 67.
Filatov, M.P. - The all-Union public inspection continues. p. 68.
Grigor'ev, V.L. - Examination of the basic principles of the overall plan for expanding the Kuznetsk coal basin. p. 70.
Baron, L.I. - Seminar on the use of electronic computers of establishing efficient parameters and conditions for the operation of coal mining machinery. p. 71.
Fourth International Mining Congress. p. 72.
Readers' conference on the wok of "Ugol'." p. 73.
Brief news. p. 73.
Pastukhov, A.V. - Rapid method of replacing guides in shafts of the Abakumov Mine. p. 74.
Prudkin, IA.M., Gvarish, V.I. - Review of the book "Capital assets of the coal industry." p. 75.
Taypkin, V.S., and others. - Review of the book "Geological and industrial evaluation of coal deposits." p. 76.
Kuznetsov, G.G. - Concerning the book "The coal industry in capitalist countries", volume 3. p. 77.
Karmazin, V.I. - "Gravity concentration processes." p. 78.
New publications. p. 79.
V.A. Assonov. p. 81.

UGOL' UKRAINY [COAL OF THE UKRAINE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, vol. 8, no. 4, Apr. 1964.

Table of contents translated:

Duty of all the people. p. 1.
Strel'chenko, I.I., and others. - For mining 40,000 tons of coal in one month with the 1K-52m complex. p. 3.
Sokolov, A.I. - Mine No. 54 is an enterprise of high labor productivity. p. 6.
Krasnikovskii, G.V. - Basic trends and ways of mechanizing underground coal mining from thin seams. p. 8.
Pirskii, A.A. - Concentrated mining is the way to improve basic indices of mine operations. p. 10.
Kravets, V.I., Seledtsov, V.F. - Renovation of mine ventilation at the Mezhrechenskoe deposit in the Lvov-Volyn Basin. p. 13.
TSyrul'nikov, A.S., Ryzhenko, I.A., Poltavskaia, A.A. - Effect of coal moisture on its occluded methane capacity. p. 15.
Aulov, A.V. - Which seams should be worked with mine filling. p. 18.
Onishchenko, IU.A. - Effect of moisture on the properties of sedimentary rocks. p. 20.
Galich, I.V. - Engineering geology conditions for industrial and housing construction in the western Donets Basin. p. 24.
Boldinov, V.S., and others. - Coal losses in Donets Basin hydraulic mines. p. 25.
Rysin, N.G., Zhilchenko, A.IA. - Feeders for the hydraulic transportation of coal and rock. p. 27.
Gumaniuk, M.N., Novikov, A.V. - Automatic control limiting the effects of chain breakage in a double-chain conveyor and protecting it from overloading. p. 30.
Zherbin, M.M., Balinskii, S.I. - Conveyor bridge at the Shevchenko strip mine. p. 31.
Piatkin, A.M. - Calculating the time factor in the economic evaluation of different mine construction and reorganization solutions. p. 34.
Leusenko, E.A., Tkachenko, I.I. - Improve specialization in the repairing of equipment in central electromechanical workshops. p. 36.
Loktev, A.IA. - Basic trends in designing unloading complexes in coal mining regions. p. 37.
Zemlianskii, P.P., Khaidakin, V.I. - Preparation of coal in a magnetite suspension at the Artem Mine. p. 40.
Fedorchenko, V.E., Zarubinskii, M.A., Manzhurin, D.I. - Electrolytic boron coating of steel and cast iron parts. p. 43.
Karagodin, N.A. - Fifteen thousand meters will be mined. p. 44.
Silaev, F.S., Kvitko, A.I. - Mining contiguous thin seams. p. 45.
Pushkar', D.G. - Distribution of crosscuts for preparing longwalls with an overhand stope. p. 47.
Svinukhin, IU.G. - Replacing excavator turn-around support rails in a strip mine. p. 48.
Kravchenko, V.I., Mukhin, V.E. - Extinguishing burning methane in a stoped out area in Mine No. 43. p. 49.
Bessmertnyi, A.S. - Testing the strength of buton embeddings. p. 51.
Danchich, V.V. - The means for mechanizing auxiliary operations in mine construction. p. 52.
Fed'ko, A.M. - Book about pillar methods of mining. p. 53.
New books. p. 53.
Tararyko, P.M., Lesnykh, V.A. - Readers' response to the article by IU.M. Rubinskii "Forms of brigade organization of work and payment according to finished work in mine stopes." p. 54.
Smushkevich, A.I. - Readers' response to the article by M.A. Moseev 'Cost of maintaining lateral and seam drifts at the Lisichanskugol' Trust." p. 54.
Bebenin, M.E., Zaplotynskii, A.A. - Commission for the reorganization and modernization of Donets Basin mines. p. 55.
Conference of the commission of the State Committee of the Soviet of Ministers of the U.S.S.R. on the Coordination of Scientific Work. p. 56.

Vol. 8, no. 5, May 1964

Table of contents translated:

Nikolaev, N.F., Perepadia, M.F - Further improvements in qualitative work indices in the coal industry. p. 1.
Vorotnikov, S.I., Skachko, D.A. - Use mining equipment more effectively p 5.
Bilan, F.P. - Raising the reliability and longevity of mining equipment is the most important task of mechanics. p. 7.
Tatomir, K.I., Andreev, I.M., Bakulin, N V. - Mining deep levels in the central region of the Donets Basin. p. 11.
Fedotov, A.P. - Stability of haulage drifts on steep seams in the Donets Basin. p. 14
Kuz'menko, A.Kh., Turenko, A.N., Romanenko, L.I. - Calculation of complicated mining systems without the use of transportation taking into account blind workings. p. 18.
Izmalkov, A.A. - Analysis of the economic aspects of mine operations and their effect on the improvement of technical and economic indices. p. 21.
Norenko, N.A. - Overall mechanization and the concentration of operations in the No. 1/2 "Gorskaia" Mine. p. 25.
Spiridonov, V.I. - Arc suppression systems in mine control apparatus with up to 1,000 volts. p. 27.
Chernegov, A.A. - Efficiency in using continuous track moving machines in coal strip mines in the Ukraine. p 29.
Grigor'ev, I.A. - Relative distribution of stopes and development workings during hydraulic mining p. 31.
Levitskii, D.A., Bolotskikh, N.S. - Hydraulic conveying of rocks on the surface of mines undergoing construction. p. 32.
Savenko, IU.F. - Pneumatic hoisting of coal. p. 34.
Petrusenko, Z.N. - Operating conditions of a TTs-4, 5 chain pusher. p. 35.
Golubev, M.I. - Small-scale built-in transducer. p. 37.
Kardakov, V.E., Bespartochnyi, G.K. - Preserving development workings with posts made of precast reinforced concrete. p. 37.
Bobkov, V.P. - Give the green light to design and construction groups. p. 40.
Vyrostkov, M.I. - Results of the fifth year of the seven-year plan. p 41.
Tychina, A.I. - Mining 660 tons of coal in one day from a single longwall. p. 42.
Berezniak, S.M. - The PMR-2 device for automatic switching on of reserve power transformers p. 43.
Imshenetskii, A.M., Veter, V.D. - Operation of automatic equipment at the Degtyarka copper mine. p. 44.
Aspis, I M., and others. - Highly efficient hydrocyclone. p. 45.
Osipov, S.N. - Methane liberation during the operation of high-speed plows in seams with a high gas content. p. 47.
Readers' response to the article by IU. Z. Zaslavskii "Lining major workings in deep Donets Basin mines":
  Sosnovskii, M.V. - Hypothesis of rock pressure in deep mine workings. p. 48.
  Zhivaga, I.G. - Experimental work is needed. p. 49.
  Dudko, V.A. - Manifestation of rock pressure in relation to the strength and stability of rocks. p. 50.
Finagin, V.V. - Wages and labor organization in mines. p. 51.
Eremenko, A.K., Shkvorets, IU.F. - Plow rams for working steep mine seams in Belgium. p. 52.
Shevlakov, F.D. - Evaluation of the effectiveness of measures for controlling sudden outbursts of coal and gas. p. 52.
Piliukhanov, L.S., Vol'pert, A.P. - At the technical and economic meeting of the Donets Council of National Economy. p. 53.
Rozenberg, F.IA., Shcharanskii, B.M. - All-Union school for learning and passing on practices of reconditioning the equipment and the repeated use of materials. p. 55.

[illegible] NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT [illegible]. Trudy [ALL-UNION PETROLEUM SCIENTIFIC RESEARCH INSTITUTE [illegible] Transactions]. Moscow, [illegible] Geologiia, burenie i razrabotki [illegible] Turkmenii [Geology, drilling [illegible] of the oil fields of Turkmenistan].
Table of contents translated:
[illegible] - [illegible] characteristics of the underground waters of the Mesozoic sediments of Kerkidag. p.3.
[illegible], V.V. - [illegible] and waters of the Mesozoic [illegible] the Amu-Darya swell. p.8.
[illegible] - [illegible] regionalization of the [illegible] of the Kara Kum Platform. p.17.
[illegible], V.I., Al[illegible], L.P. - Recent data on the [illegible] position of the red series occurring [illegible] of the Barremian stage in the [illegible] (Tuarkyr). p.17.
[illegible], D.I., Sen[illegible], V.I. - Reservoir rock properties of the Lower Cretaceous prospecting areas in [illegible]. p.21.
[illegible], V.I., IArdzharov, A. - Stratigraphy and lithology of the Lower Cretaceous sediments in the [illegible] region. p.27.
[illegible], V.I. - Lower Cretaceous sediments of the Karata region (Krasnovodsk Peninsula). p.34.
[illegible], A.A., Akmamedov, A. - Waters of the red series of the Ker Ir-Chikishlyar region. p.38.
IAr[illegible], A. - Brief characterization of the composition of the Paleozoic and Mesozoic sediments of the Darvaza region. p.43.
[illegible], V.M. - Types of limestone in the Mesozoic sediments of Farab. p.50.
[illegible], N.A. - Efficiency in the maintenance of reservoir pressure in the Kumdag oil field. p.55.
[illegible], N.A. - Characteristic geological and operational features of the oil fields of Turkmenistan and efficient methods for their development. p.69.
[illegible], I.S., Kr[illegible]dniak, A.IU., Ermanova, A.V. - Experimental unit for modeling fluid flow through porous media. p.82.
[illegible], G.G. - Selecting a substance for the reinforcement of fractures formed in beds in hydraulic fracturing. p.88.
St[illegible], I.P. - Certain regularities in well drilling using weighted clay mud in western Turkmenistan. p.94.
Ka[illegible], D. - Using triple blade jet bits in electric drilling. p.104.
[illegible]shchikov, V.M. - Finding slow-hardening cements for the reinforcement of high-temperature wells. p.110.
M[illegible], S.F., Tolstenev, V.S., Proskurin, L.P. - Investigating Aligul oil (Cheleken Peninsula). p.113.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES] Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy] Moscow, vol.3, no 13, July 1963.
Table of contents translated:
Editorial Carry the banner of communist ideology high. p.3.
Triumph of free labor and Leninist ideas. p.7.
Kukin, D. - Sixtieth anniversary of the Second Congress of the Russian Social Democratic Party. p.9.
Gorshkov, S. - Our country's navy. p.18.
Bagramian, I. - One of the most important events of the Great Patriotic War. p.26.
Shul'ga, N. - A communist is an active champion of party policy. p.35.
Abadshin, A. - Glorious and majestic road. p.42.
Belous, N. - Masters of the sea depths. p.50.
Pogodaev, A. - Propagandists of advanced experience. p.55.
IAkovlev, A., Zaitsev, IU. - Lively, interesting method of instruction. p.59.
Radkovskii, V. - Militant, burning visual agitation p.62.
Balev, N. - And that isn't something little, you know! p.64.
Summer is the time for intensive combat training. p.65.
Chistiakov, N. - Suggestions of young people put into practice. p.70.
Krokhmaliuk, V. - Members of the committee are working in small units. p.73.
Baturin, A. - American bludgeon against the peoples of Asia. p.76.
How should work of women's soviets be organized? p.81.
Where should matters concerning party misdemeanors be considered? p.84.
For the good of the Soviet people. p.86.
Kolikov, N. - In the orbit of aggression. p.88.
Under army community control. p.92.
News of party and political work. p.93.
Follow-up of our articles. p.96.

Vol.4, no.19, Oct. 1963.
Table of contents translated:
Editorial: Temper military cadres ideologically. p.3.
Vershinin, V. - General line of Soviet foreign policy. p.8.
Grekov, V. - Ideological work and the newspaper. p.17.
Prokhorov, P. - The engineer, people, technology. p.24.
Forty-sixth anniversary of the Great October Socialist Revolution, materials for reports and discussions. p.30.
New school course, "Principles of scientific communism." p.39.
Petrov, F.N. - It is a high honor to be a member of the CPSU. p.43.
In the struggle for putting into practice the decisions of the June Plenum of the Central Committee of the CPSU; from the editor's mail. p.51.
Sablukov, A. - Implant taste into the study of theory. p.57.
Renzin, M. - This broadens the outlook of propagandists. p.61.
Zarechin, S. - A knowledge of psychology for every officer. p.64.
Belous, N. - What disturbs the young commander of a platoon. p.66.
Shutkovskii, N., Bodenkov, P. - First steps. p.71.
El'chenko, IU. - Education of exploit. p.76.
Mal'kov, V. - Group of voluntary propagandists. p.83.
Golden age of Soviet culture. p.84.
Accounts and elections in Communist Youth League organizations. p.86.
Sbytov, N., Spirov, K. - Correlation of necessity and chance in war. p.90.
News of party and political work. p.93.
Follow-up of our articles. p.96.

Vol.4, no.10, May 1964.
Table of contents translated:
Editorial Combat missions of primary party organizations. p.3.
Goliakov, A. - Increase the responsibility of all communists for admittance into the CPSU. p.10.
Men'shov, M., Kuvshinnikov, IU. - The way to vast technical knowledge. p.17.
Vostokov, E. - Exploit of the soldier in artistic representation. p.22.
Year of strenuous and fruitful work. p.30.
Tiushkevich, S. - Necessity and chance in armed combat. p.37.
Kotov, V. - Key to the "secrets" of education. p.45.
Grishchenko, A. - Will to life; an essay. p.49.
Rosseikin, I. - Critically give meaning to your work. p.54.
Sapronov, A. - Train good sergeants with care. p.55.
IAshikhin, IU. - Problems which disturb us. p.60.
Zaglada, A. - Justify high confidence. p.57.
Sukhov, I., Gavrashenko, M. - Interest for psychological studies. p.58.
Komarov, S. - Oversimplification causes great harm. p.59.
Zotov, IU. - Plan mass political work better. p.60.
Baklanov, A. - Continuation of biographies. p.63.
Shangin, A. - The place for exploits is in military work. p.68.
Pozmogov, A. - The Soviet state during the extensive construction of communism. p.70.
Putintsev, A. - People are becoming strong. p.79.
Young national states in Asia and Africa. p.84.
Borisov, E. - Loyal fighter of the Leninist party; on the 70th anniversary of the birth of IA.B. Gamarnik. p.88.
Korotkov, I. - Bibliographical work on the military theory legacy of V.I.Lenin. p.91.
News of party and political work. p.94.
Follow-up of our articles. p.96.

Vol.4, no.13, July 1964.
Table of contents translated:
Editorial: The field, the school of military skill. p.3.
Khalipov, I. - Teach and learn by advanced experience. p.8.
Sizov, F. - Political agencies at training exercises and on marches. p.14.
Margelov, V. - Urgent tasks of landing force soldiers. p.22.
Shchepankov, N. - Value every minute of training time. p.25.
Kolesnichenko, G. - In the struggle against slackenings and oversimplification. p.30.
Raszev, D. - A commander trains skillful rocket gunners. p.35.
Slepov, P. - Party influence should be effective. p.39.
Belous, N. - In submerged sailing; a sketch. p.43.
Komissarov, V. - Take care of high technical culture. p.49.
Tikhonenko, V. - Correlation of war [illegible] revolution. p.55.
Nokhal, G. - While training, don't forget [illegible]tion. p.63.
Increase the ranks of experts in military [illegible] p.65.
Combat maturity:
Orda, V. - Radar devices see farther. p.7[illegible]
Zakharov, B. - Sentries of naval frontiers. p.[illegible]
Kazharskii, V. - A guarantee, the [illegible] p.74.
Putintsev, A. - Militant vanguard of the [illegible] p.77.
German, S. - The United Arab Republic. p.8[illegible].
They have the right to their former or [illegible] p.88.
Nazarov, E. - Party and political work at [illegible] exercises. p.90.
News of party and political work. p.9[illegible].
Follow-up of our articles. p.96.

NASHI VESTI [OUR NEWS]. Published by [illegible] Russkogo korpusa [The Association of [illegible] Russian Corps] New York, vol 20, no 2[illegible], [illegible] 1964.

SOVETSKII VOIN [SOVIET SOLDIER] Issued by [illegible] politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol 4[illegible], no [illegible] Dec. 1962.
Table of contents translated:
Koliten, I.S. - In a united family. p.1.
Zubavin, Boris. - Hand of the Soviet [illegible] p.[illegible]
Belous, N., Kiselev, V. - They were [illegible] 1962. p.3.
Chakovskii, Aleksandr - In pursuit of [illegible] p.4.
Eugene Pottier. p.8.
Daskalov, S. - Rangel's kin [translated from the Bulgarian]. p.13.
Author of "Iron stream." p.17.
Pravilenko, G. - Our common goal is to [illegible] peace. p.18.
Otkidach, Valentin. - Visible horizon. p.2[illegible].
Khorunzhii, N. - Soviet and reliable! p.2[illegible].
Andreev, A. - Regiment commander. p.2[illegible].
Rylenkov, N. - Return of Igor'; from the "Lay of the host of Igor'." p.28.
Bazokin, G. - With a hero of Tsushima. p.2[illegible].
Vornik, I. - Prisoners from the bottom of [illegible] p.29.
Frolov, P. - Man out of a legend. p.29.
Uruzaov, G. - Stirring meeting. p.29.
Overin, N. - It's good, when there's such [illegible] p.30.
Sokolov, L. - Second birth of a champion. p.3[illegible].
Boxing. p.33.
Vinogradov, Ivan - He didn't notice... p.34.
Kurzenkov, Sergei - According to the laws of [illegible] brotherhood. p.35.
Bobrov, IU.P. - On the banks of the quiet Don. p.[illegible]
Levin, V. - Under the shadow of the swastika. p.[illegible]
Vasil'ev, N. - A road five minutes long. p.4[illegible].
Why do we speak this way? p.44.
It is interesting to know. p.45.
Contents of "Sovetskii voin" for 1962. p.46.

Vol.46, no.11(1007), June 1964.
Table of contents translated
Proniakin, IU. - Combat launching. p.2
Rozen, Aleksandr. - With the receipt of this. p.5.
Kiselev, L. - The example leads. p.8.
Belianin, G. - Choir leaders. p.9
Eliseev, A. - Obligation of Vladimir Zabor[illegible] p.13.
Avdeev, E. - People of fine spirit. p.13.
Bogdanov, V. - Good fame. p.13.
Prokof'ev, Aleksandr. - With the people and for the people. p.14.
Il'in, G. - Reflections on a book. p.15.
Khar'fuzov, V. - Unquenchable love. p.15.
Volokhov, B. - Watch at dawn. p.16.
Mieželaitis, Eduardas. - The star burns without growing dim. p.18.
Chistovskii, O. - A present for Il'ich. p.20.
Koval'-Volkov, A. - Youth in shoulder straps. p.2[illegible]
Koval'-Volkov, Aleksandr. - Mountain road. p.2[illegible]
Gorelik, IA. - Bolshevik IAn Gamarnik. p.2[illegible].
Kochunicka, W. - Secret of the thirteenth fort. p.[illegible]
Kalinin, V. - A soldier came from the front. [illegible]
[illegible] - A[illegible] your [illegible] p.30
[illegible] A. [illegible] with the [illegible] p.32
[illegible] M. - [illegible] p.33
[illegible] - Zhen'ka's [illegible] p.34
[illegible], V., [illegible], I., Nikitin, V. - Works of [illegible] p.37.
[illegible] - Before the starts in Tokyo. p.3[illegible]
[illegible] - Operation "[illegible]." p.40.
[illegible] - Sailors [illegible] their duty. p.42.
[illegible] this way? p.43
Chess. p.44.

Vol. 46, no. 12(1008), June 1964.

Table of contents translated:

Ustinov, IU. - The first ones in the great campaign! p 1
Chaldymov, N., and others. - Leninist relay race on its way. p. 2.
Porinov, Konstantin. - Captain Mal'iada. p. 4.
Sorokin, N. - Meeting of veterans. p. 6.
Andrianov, V. - A letter to the marshal. p. 7
Gorbatov, A. - In the direction of Minsk p. 11.
Klimov, I. F. - Flourish, my dear White Russia! p. 13.
Mozharov, V. - Sons of heroes. p. 15.
Otkidach, Valentin. - The most essential examination p. 17.
Ivan Paderin. - Wrath of Ivan the Terrible. p. 19
Eternal glory. p. 21.
Viacheslav Lukashevich. - Kazik's spring. p. 24.
Kraiko, K. - Our character p. 26.
Mus'kin, Valerii. - Under the snowstormy height. p. 28.
Seregina, L. - Get acquainted, physicists! p. 29.
Kabalkina, E. - This is Moscow speaking. p. 30.
Nikol'skii, N. - Single combat. p. 30.
Kal'tia, A. - Rostislav remains in the brigade. p. 31.
Zeinalov, E., and others. - And your opinion? p. 32.
A clever training device. p. 32.
Olesia Kravets'. - Lobanov's loftiness. p. 34.
Zhuravlev, Vasilii. - Banners. p. 37.
Erivanskii, Arkadii - A present. p. 38.
Il'ina, G. - Man out of a legend. p. 39
Sysoev, V. - Trainer of champions. p. 40.
"Sovetskii voin" film journal no. 4. p. 41.
Umanskii, D. - A lesson not for keeping. p. 42.
Shestakov, V., and others. - Corner for the curious. p. 43.
It is interesting to know. p. 44.
Golovko, N. - Tournament of friends. p. 44.

Vol. 46, no. 13(1009), July 1964.

Table of contents translated:

Protsenko, V. - The sea, technology and man. p. 1.
Plotnikov, A. - One doesn't envy his friends. p. 3.
Turchenko, R., Beliianin, G. - Invitation into tomorrow. p. 6.
Naumenkov, V. - Members of the Pacific Fleet. p. 8.
Matveev, Vl. - Guests of Arctic seamen. p. 13.
Mitin, V. - In the land of five hundred islands. p. 14.
Olesha, IUrii. - The skates. p. 20.
Sobolev, Leonid. - Brotherhood sealed with blood. p. 23.
Karpeko, Vladimir. - The old boatswain. p. 25.
Konstantinov, V. - Youth of an ancient highway. p. 26.
Chistov, B. - Air pathfinder. p. 28.
Lanin, Nikolai. - The Konovalov family. p. 30.
Kostenko, V. - Silych on the "Orel." p. 41.
IUsupov, I - Racing with the wind. p. 44.
Van'kov, A. - Two hundred meters by any method. p. 45.
Shekhtman, Z. - They did not surrender. p. 45.
Zavgorodnii, G., and others. - And your opinion? p. 46.
Why do we speak this way? p. 47.
Chess. p. 48.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U. S. S. R.]. Moscow, no. 6(46), June 1964.

Table of contents translated:

The fire is accurate! p. 1.
Vershinin, Konstantin Andreevich. - What an aviator sergeant should be like. p. 2.
Lisitsyn, V., and others. - Field training on the agenda. p. 4.
Gerasimov, P., Zhuravlev, V., Zherebin, N. - On various march routes. p. 6.
Druzhinin, IU. - Call signs of the earth. p. 10.
How do you know tactics, topography and equipment? p. 11.
Vishniakov, V. - Compatriot of heroes. p. 12.
Kozhevnikov, E. - When training places are not sufficient.... p. 14.
Drawings by our readers. p. 16.
Chernous'ko, L. - The irreconcilable ones. p. 18.
Zaitsev, A. - Like Nikolai Gastello. p. 18.
Khotenkov, V. - Prize named for a frontline sergeant. p. 18.
Drovianníkov, I. - Twenty years have past. p. 19.
Chernenkov, A. - Placed on the alert. p. 20.
Korol'kov, N. - Roads of our fathers. p. 22.
Sur, P. - Navigation of atomic submarines. p. 24.
Dmitriev, E. - For technical knowledge, for skill! p. 26.
Pansik, S. - With the assistance of a device for night vision. p. 27.
Kantyrev, I. - Special treatment. p. 28.
Novikov, M. - On Algerian soil. p. 30.
Avdeenko, IU. - The sands are not like home. p. 32.
Not violating the uniform. p. 33.
Semenov, P. - It will be more comfortable in the barracks. p. 33.
Filimonov, N. - A teacher. p. 34.
... But they vowed eternal love. p. 36.
Sazhin, N. - Squad on two armored carriers. p. 37.
Milanov, V., Nishin, N. - Criticism and bibliography. p. 38.
Nikolaev, V. - What will you be, when you return home, Aliko? p. 39.
Makarchuk, G., and others. - In leisure time. p. 40.

TEKHNIKA I VOORUZHENIE [TECHNOLOGY AND ARMAMENTS] Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U. S S. R.]. Moscow, no. 6, June 1964.

Table of contents translated

Editorial: The field, the basic training class. p 2.
Shimanskii, A. - Glorious victory. p. 4.
Our beacons. p. 5
Drobyshev, G. - Marine engineers. p 6.
Kul'nitskii, E. - Personal example of the officer. p. 11.
Rak, P. - He is from the Pacific Fleet. p. 12.
Abolentseva, V. - Courage conquers p. 14.
Mikhailin, V V. - On the Red Banner Baltic Fleet. p. 16.
Vornik, I - The "Strazh Baltiki" visits us. p. 18.
Nefedov, A. - An engineer, a man of great party spirit p. 20.
Dem'ianov, V. - Striking power of the navy. p. 22.
Arkad'ev, E. - Inertial systems of control. p. 28.
Piatibratov, A. - Ferrites come to the assistance. p. 34
AB-0 5 electric generators p. 37
Latukhin, A., Vinogradov, M. - Recoilless guns p. 39.
Sarychev, V., Morozov, N. - Standard maintenance for small arms. p. 42.
Minkin, A - Method of training engine operators of cutters. p. 44.
Mashkarenko, A., and others. - Evacuation of track-laying vehicles. p. 46.
Kondakov, V. - Inspection, repair and preparation of ammunition. p. 50.
Experience, initiative. pp. 55, 57, 78.
Litovchenko, B. - At the landing place. p. 56.
Samoilovich, G., Zelenov, V. - Maintenance of engineer equipment. p. 58.
Zhukov, V., Belova, T. - Polymers came to the field. p. 61.
Nazarov, A. - Prevent the aging of insulation. p. 64.
Gushchin, I. - It is time to look over the composition of spare parts, tools and accessories p. 65.
Kurdenkov, G., Dubrovin, M., Semeikin, P. - Characteristics of operating a self-propelled mount. p. 67.
Panov, F., IAvorskii, A, Shchukin, M. - For traffic safety. p. 71.
Sebastnyi, N., Kiselev, A - To a new height. p. 75.
Czechoslovak automobile review. p. 82.
"City killers," a prolonged program. p 86.
Gakh, IA., Dushenov, IU - Power apparatus of submarines. p. 89.
Balakirev, V. - Soviet submarines. p. 93.
For rocket gunners and aviators. p. 94.

VESTNIK PERVOPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kalifornilskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, vol. 3, no. 35, Aug. 1964.

VOENNYE ZNANIIA [MILITARY KNOWLEDGE]. Organ of Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 40, no. 6, June 1964.

Table of contents translated:

For militant and active local organizations of the society. p. 1.
Grishanov, V. - Soviet sailors. p. 3.
Voloshin, I. - The Taman' Guards Division. p. 5.
Mikhailov, I. - A city fights. p. 7.
Pogrebnoi, V. - Fellow soldier. p. 9.
Vakurov, I. - Bykov makes the decision. p. 10.
Kuzovkov, I. - On Bryansk soil. p. 11.
Pankov, G. - Basis of military service. p. 12.
Noskov, I. - Loader of a tank gun. p. 13.
It is interesting to know. p. 14.
Sabetov, K. - By means of control and assistance. p. 15.
Gorbunov, P. - At the Penza clock factory. p. 16.
Smirnov, V. - An amateur school helps. p. 17.
Tuzhilkin, M. - Double use. p. 18.
Vasil'ev, V. - From the foreign press. p. 18.
IAstrembskii, V. - Let's sum up. p. 19.
Chumakov, V. - Fundamental problems of reconnaissance scouts. p. 20.
Bondarevskii, R. - A careful instructor. p. 21.
Morozov, V. - The detachment was under cover. p. 22.
Gogolev, M. - Maneuver by brigades. p. 23.
Glukhov, V., Kovalenko, V. - Protection of plants. p. 24.
Aleksandrov, V. - Types of radioactive decay of nuclei. p. 26.
Petukhov, D., Gorelik, IA. - University of the future soldier. p. 28.
Emel'ianov, A. - When one limits himself to directives. p. 29.
Kokin, F. - A tireless propagandist. p. 30.
Maslov, M. - Together with all the community. p. 31.
Novikov, M. - Combat engineers go in advance. p. 32.
Aleksandrov, I. - Chemical weapons. p. 33.
Gusevskii, L. - Careful, deer! p. 35.
Malinkin, V. - For our periodical's prize. p. 36.
Sokol'skii, I. - School of shooting skill. p. 37.
Makushkin, A. - Great matters of a small club. p. 38.
Prisiazhniuk, A. - The new lifeboat "Ukrainka." p. 39.
Maksimenko, V., Mikhailov, P. - Everyone should know this. p. 40.
Butovich, N. - Vitally necessary skill. p. 41.
Novak, Boris. - Polar star. p. 43.
Kolesnik, A. - Army of the Soviet people. p. 45.
In aid to the propagandist of the All-Union Volunteer Society for Assistance to the Army, Navy and Air Force. p. 45.
Vernikovskii, M. - Disgrace of the Wehrmacht. p. 46.
Shereshevskaia, L. - Young dog breeders. p. 47.
Military calendar. p. 48.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 42, no. 12, Dec., 1962.

Table of contents translated:

Editorial. Powerful Union of Soviet Republics p. 3.
Learn from advanced experience. p. 9.
Kortunov, I. - High combat readiness. p. 14.
Osipenkov, V. - Main direction. p. 15.
Gavrikov, F, Davydov, IA. - Tactical maturity of an officer. p. 20.
Dubrovskii, A. - Individual approach. p. 29.
Molokus, V. - Strong, hardened men. p. 30
Basakin, P. - Serve your country wholeheartedly. p. 33.
Ivanov, A - The expert conquers. p 44.
Akul'shin, I. - For high speeds p. 46.
Kurochkin, K. - On the right road p 49.
Kurochkin, G. - Skill, courage and daring. p. 50.
Dobrovol'skii, A - In the rear of the "enemy." p. 53.
Medvedev, N. - The tradition of the battery is to be the best p. 57.
Peshekhonov, P. - The main thing is field training. p. 60.
Gal'tsev, A - When the target is clear. p. 63.
Makrov, E. - Combat skill of antiaircraft gunners p. 66.
Adamskii, E. - So that fire may be accurate. p. 68
Shif, V. - Support of the commander. p. 71
Ustinov, V., Nevler, V., Levin, V. - An assault crossing company operates. p. 72.
Shidlovskii, V., Riumin, P., IAkovlev, K. - Bridge builders solve a problem. p 82.
Travin, V. - Roads to mastery p. 91.
Evpak, S. - We work with each man. p. 95.
Krasutskii, N. - Initiators. p. 97.
Sviiazov, D. - In the struggle for an expert company p. 100.
Val'kov, A. - Purposeful work. p. 103.
Edemskii, P. - By the efforts of commanders and instructors. p 107.
Garnago, V. - Example from the commander. p. 113.
Zaverza, D. - Good sergeants are coming into the units. p. 115.
Marchenkov, N. - With a united front. p. 120
Index of articles published in "Voennyi vestnik" in 1962. p. 122.

b NAVAL SCIENCE

LENINGRAD. INSTITUT VODNOGO TRANSPORTA. Trudy [INSTITUTE OF WATER TRANSPORTATION. Transactions]. No. 46, 1963. Vodnye puti [Waterways].

Table of contents translated:

Borodkin, B. S. - Calculation of a perforated pipeline for the uniform distribution of heat along its length. p. 5.
Giliarov, N. P. - Structure of a rectangular cross-section open-channel flow in an area of unilateral, streamlined, coastal projection. p. 14.
Grishanin, K. V. - Turbulent flow of a fluid in a two dimensional pressure conduit. p. 22.
Konovalov, I. M., and others. - Methods of prolonging the navigation period on inland waterways. p. 30.
Panchurin, N. A. - Velocity distribution in certain cases of nonstationary turbulent flows in pipes. p. 38.
Seleznev, V. M., Zubkov, N. S. - System of sandbanks located in estuary sections of river tributaries. p. 45.
Snishchenko, B. F. - Drift filling of dredging cuts during the low water season. p. 49.
Shatalina, I. N., Spetsov, F. A. - Use of chemical substances to weaken the strength of an ice cover. p. 59.
Chekrenev, A. I., and others. - Freezing of the Northern Dvina River in the autumn of 1961 and the effect of autumn ice jammings on the process of its opening in 1962. p. 66.

[illegible] VODNYI TRANSPORT [illegible] TRANSPOR- [illegible] informatsii [illegible] ntific Informa- [illegible] the U.S.S.R.]. Moscow, no. 7, July 1964. [This journal is also issued in parts]

RUSSIA (1917- R.S.F.S.R.) Rechnoi registr. Biulleten' dopolnenii i izmenenii deistvuiushchikh pravil i instruktsii rechnogo registra [Register of River Shipping. Bulletin of Additions and Amendments to the Regulations and Instructions of the Register of River Shipping]. Moscow, no. 6, 1962.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agrobiologiia (15a)	Agrobiologiia [Agrobiology]
Apt. delo (14f)	Aptechnoe delo [Pharmacy]
Arkh. anat., gist. i embr. (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]
Arkh. pat. (14b)	Arkhiv patologii [Archives of Pathology]
Atom. energ. (16e)	Atomnaia energiia [Atomic Energy]
Av. i kosm. (16b)	Aviatsiia i kosmonavtika [Aviation and Astronautics]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]
Avtomatyka (16e)	Avtomatyka [Automatic Control]
Azerb. med. zhur. (14a)	Azerbaichan tibb zhurnaly. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]
Azerb. neft. khoz. (16h)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information; Supplement]
Bet. i zhel.-bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]
Biofizika (13c)	Biofizika [Biophysics]
Biul. eksp. biol. i med. (14a)	Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]
Biul. Ispol. kom. Mosk. obl. sov. (6)	Moscow (Province) Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
Biul. izobr. i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. MOIP. Otd. biol. (13c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel biologicheskii [Moscow Naturalists' Society. Bulletin. Biological Section]
Biul. mezhdunar. nauch. s"ezd., konf. i kongr. (1a)	†Biulleten' mezhdunarodnykh nauchnykh s"ezdov, konferentsii i kongressov [Bulletin of International Scientific Meetings, Conferences, and Congresses]
Biul. Rech. reg. RSFSR (17b)	†Russia (1917- R. S. F. S. R.) Rechnoi registr Biulleten' dopolnenii i izmenenii deistvuiushchikh pravil i instruktsii rechnogo registra [Register of River Shipping. Bulletin of Additions and Admendments to the Regulations and Instructions of the Register of River Shipping]
Biul. sta. opt. nabl. isk. sput. Zem. (13b)	Akademiia nauk SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabliudeniia iskusstvennykh sputnikov Zemli [Academy of Sciences of the U. S. S. R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]
Biul. stroi. tekh. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]
Biul. TSentr. nauch. sel'khoz. bibliot. (15a)	Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. Biulleten' [Central Agricultural Library. Bulletin]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Der. prom. (16f)	Derevoobrabatyvaiushchaia promyshlennost' [Woodworking Industry]
Dokl. AN Arm. SSR (13a)	Akademiia nauk Armianskoi SSR, Erivan. Doklady [Academy of Sciences of the Armenian S. S. R. Reports]
Dokl. AN Azerb. SSR (13a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports]
Dop. AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S. S. R. Reports]
Ekon. sel'khoz. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Elektrichestvo (16e)	Elektrichestvo [Electricity]
Elektron. bol'sh. moshch. (16e)	†Elektronika bol'shikh moshchnostei [High-Power Electronics]
Energetik (16e)	Energetik [Electric Power Technician]
Farm. i toks. (14f)	Farmakologiia i toksikologiia [Pharmacology and Toxicology]
Farmatsev. zhur. (14f)	Farmatsevtychnyi zhurnal [Pharmaceutical Journal]
Fin. SSSR (6c)	Finansy SSSR [Finance of the U. S. S. R.]
Fiziol. rast. (13c)	Fiziologiia rastenii [Physiology of Plants]
Gaz. delo (16h)	Gazovoe delo [Gas Industry]
Gaz. prom. (16c)	Gazovaia promyshlennost' [Gas Industry]
Geofiz. razved. (16h)	Geofizicheskaia razvedka [Geophysical Prospecting]
Geol. mest. red. elem. (12c)	Geologiia mestorozhdenii redkikh elementov [Geology of Rare-Element Deposits]
Geol. zhur. (12c)	Geologichnyi zhurnal [Geological Journal]
Gidroliz. i lesokhim. prom. (16c)	Gidroliznaia i lesokhimicheskaia promyshlennost' [Hydrolysis and Wood Chemistry Industry]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences; Technology and Technological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2. (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3. Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles Lettres, Art]
Inform. sbor. TSNIIMF. Mor. pravo i prak. (7)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Maritime Law and Practice]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Ist. SSSR (4a)	Istoriia SSSR [History of the U. S. S. R.]
Izm. tekh. (16a)	Izmeritel'naia tekhnika [Measurement Techniques]
Izv. AN Arm. SSR. Biol. nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Biological Sciences]
Izv. AN Arm. SSR. Khim. nauki (13d)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Khimicheskie nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Chemical Sciences]
Izv. AN Arm. SSR. Ser. tekh. nauk (16a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Seriia tekhnicheskikh nauk [Academy of Sciences of the Armenian S. S. R. Bulletin. Series in the Technological Sciences]
Izv. AN Kazakh. SSR. Ser. med. nauk (14a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia meditsinskikh nauk [Academy of Sciences of the Kazakh [illegible] Series [illegible] Medical Sciences]
Izv. AN Kir. SSR. Ser. biol. nauk (13c)	[illegible] nauk Kirgizskoi SSR, [illegible] Izvestiia. Seriia [illegible] [illegible] Sciences of the Kirghiz [illegible] Biological Sciences]

Izv. AN Kir. SSR. Ser. obshchestv. nauk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin. Series in the Social Sciences]
Izv. AN SSSR. Mekh. i mashinostr. (16g)	Akademiia nauk SSSR. Izvestiia Mekhanika i mashinostroenie [Academy of Sciences of the U. S. S. R. Bulletin. Mechanics and Machine Building]
Izv. AN SSSR. Met. i gor. delo (16h)	Akademiia nauk SSSR. Izvestiia. Metallurgiia i gornoe delo [Academy of Sciences of the U. S. S. R. Bulletin. Metallurgy and Mining]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. [Physical Series]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Geophysical Series]
Izv. Bat. bot. sada (13c)	Batumskii botanicheskii sad. Izvestiia [Batum Botanical Garden. Bulletin]
Izv. Geol. ob-va Gruz. (12c)	Geologicheskoe obshchestvo Gruzii. Izvestiia [Geological Society of Georgia. Bulletin]
Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk (13f)	Akademiia nauk SSSR. Kazanskii filial. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the U. S. S. R. Kazan Branch. Bulletin. Series in the Physicomathematical and Technological Sciences]
Izv. Mold. fil. AN SSSR (1a)	Akademiia nauk SSSR. Moldavskii filial Izvestiia [Academy of Sciences of the U. S. S. R. Moldavian Branch Bulletin]
Izv. SO AN SSSR. Ser. obshchestv. nauk (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin. Series in the Social Sciences]
Izv. Sib. otd. AN SSSR (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin]
Izv. TSKhA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Izvestiia [Timiriazev Agricultural Academy of Moscow. Bulletin]
Izv. Vor. gos. ped. inst. (1a)	Voronezh. Gosudarstvennyi pedagogicheskii institut. Izvestiia [State Pedagogical Institute. Bulletin]
Izv. vys. ucheb. zav., chern. met. (16h)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. vys. ucheb. zav.; elektromekh. (16e)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Izv. vys. ucheb. zav.; energ. (16e)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Izv. vys. ucheb. zav.; geod. i aerof. (13b)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geodeziia i aerofotos''emka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]
Izv. vys. ucheb. zav.; gor. zhur. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]
Izv. vys. ucheb. zav.; les. zhur. (15c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]
Izv. vys. ucheb. zav.; mashinostr. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Building]
Izv. vys. ucheb. zav.; neft' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]
Izv. vys. ucheb. zav.; tekh. leg. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]
Kart. let. (12b)	Kartograficheskaia letopis' [Cartographic Chronicle]
Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Khim.; sist. uk. st. v inostr. zhur (13d)	Moscow Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classed Index of Articles in Foreign Periodicals]
Khim. i tekh. polim. (16c)	Khimiia i tekhnologiia polimerov; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations and Surveys from Foreign Periodical Literature]
Khim. i tekh. topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. mashinostr. (16c)	Khimicheskoe mashinostroenie [Chemical Machinery Manufacture]
Khim. prom. (16c)	Khimicheskaia promyshlennost' [Chemical Industries]
Khim. prom. [Ukr.] (16c)	Khimichna promyslovist' [Chemical Industries]
Khirurgiia (14h)	Khirurgiia [Surgery]
Khleb. i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Knizh let. (2a)	Knizhnaia letopis' [Book Chronicle]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kommunist (6)	Kommunist [Communist]
Kosm. issl. (13b)	Kosmicheskie issledovaniia [Space Research]
Krist. zhid. (13d)	‡Kristallizatsiia zhidkosti [Crystallization of Liquids]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Lab. delo (14e)	Laboratornoe delo [Laboratory Work]
Leh. prom. (16f)	Lehka promyslovist' [Light Industry]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
List. rats. i izobret. (16a)	‡White Russia. Ministerstvo stroitel'stva. Listok ratsionalizatora i izobretatelia [Ministry for Construction. Leaflet for the Innovator and Inventor]
Lit. i isk. nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U. S. S. R. and Foreign Countries]
Lit. po ped. naukam i nar. obr. (8a)	Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education]
Mash. i neft. obor. (16h)	Mashiny i neftianoe oborudovanie [Mashinery and Petroleum Equipment]
Mashinostroenie (16g)	Mashinostroenie [Machinery Manufacture]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Mat. i soob. Issl. otd. Inst. po izuch. SSSR (4a)	Institut zur Erforschung der UdSSR. Materialy i soobshcheniia Issledovatel'skogo otdela [Institute for the Study of the U. S. S. R. Materials and Reports of the Research Department]
Mat. po geol. i pol. iskop. IUzh. Urala (12c)	Materialy po geologii i poleznym iskopaemym IUzhnogo Urala Materials on the Geology and Mineral Resources of the Southern Urals]
Mat. po kompl. izuch. Bel. mor. (13c)	Akademiia nauk SSSR. Karel'skii filial. Petrozavodsk. Materialy po kompleksnomu izucheniiu Belogo moria [Academy of Sciences of the U. S. S. R. Karelian Branch. Data of an Over-All Study of the White Sea]
Mat. z etn. ta mystetstvoznav. (10a)	Lvov. Ukrains'kyi derzhavnyi muzei etnohrafii ta khudozhn'oho promyslu. Materialy z etnohrafii ta mystetstvoznavstva [Ukrainian State Museum of Ethnography and the Art Industries. Materials on Ethnography and Art]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Metalloved. i term. obr. met. (16h)	Metallovedenie i termicheskaia obrabotka metallov [Metals and Heat Treatment of Metals]
Metod. resh. obshch. zad. lin. progr. (13e)	‡Metody resheniia obshchei zadachi lineinogo programmirovaniia [Methods of Solving the General Problem of Linear Programming]
Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Muk.-elev. prom. (16f)	Mukomol'no-elevatornaia promyshlennost' [Flour Milling and Grain Storage
Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]

[illegible]	Spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philosophical Sciences]
[illegible]	Moscow. Tsentral'nyi nauchno-issledovatel'skii institut shveinoi promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Clothing Industry. Scientific Research Papers]
Nauch.-tekh. biul. PINRO (15f)	Murmansk. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Nauchno-tekhnicheskii biulleten' [Arctic Scientific Research Institute of Marine Fisheries and Oceanography. Scientific and Technical Bulletin]
Nauch. trudy AKKh (16d)	Akademiia kommunal'nogo khoziaistva. Nauchnye trudy [Academy of Communal Economy. Studies]
Nauch. trudy KNIUI (16b)	Karaganda. Nauchno-issledovatel'skii ugol'nyi institut. Nauchnye trudy [Scientific Research Coal Institute. Studies]
Nauch. trudy Nauch.-issl. inst. push. zver. i krol. (15b)	Moscow. Nauchno-issledovatel'skii institut pushnogo zverovodstva i krolikovodstva. Nauchnye trudy [Scientific Research Institute of Fur Farming and Rabbit Breeding. Studies]
Nauch. zap. VLTI (15c)	Voronezh. Lesotekhnicheskii institut. Nauchnye zapiski [Forestry and Lumbering Institute. Studies]
Nauk. pratsi Nyzhn'odnipr. nauk.-dosl. sta. p. zalis. pisk. i vin. na pisk. (15c)	Nyzhn'odniprovs'ka naukovo-doslidna stantsiia po zalisenniu piskiv i vynohradarstvu na piskakh. Naukovi pratsi [Lower Dnieper Scientific Research Station for the Afforestation of Sands and the Growing of Grapevines on Sands. Studies]
Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]
Neftegaz. geol. i geofiz. (16h)	Neftegazovaia geologiia i geofizika [Petroleum and Gas Geology and Geophysics]
Nefteper. i neftekhim. (16h)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Nefteprom. delo (16h)	Neftepromyslovoe delo [Petroleum Production]
Nek. probl. sovr. fiz. iadra i elem. chast. (13f)	Nekotorye problemy sovremennoi fiziki iadra i elementarnykh chastits [Some Problems in the Modern Physics of the Nucleus and the Elementary Particles]
Nerv. sist. (13c)	Nervnaia sistema [Nervous System]
Nov. inostr. ekon. lit. (5b)	Novaia inostrannaia ekonomicheskaia literatura [New Foreign Economic Literature]
Nov. inostr. knigi kat. nov. postup. (2a)	Akademiia nauk SSSR. Biblioteka. Novye inostrannye knigi, katalog novykh postuplenii.... [Academy of Sciences of the U. S. S. R. Library. New Foreign Books, Catalog of New Accessions ...]
Nov. inostr. lit. po filos. (3a)	Novaia inostrannaia literatura po filosofii [New Foreign Literature on Philosophy]
Nov. inostr. lit. po iaz. (11a)	Novaia inostrannaia literatura po iazykoznaniiu [New Foreign Literature on Linguistics]
Nov. inostr. lit. po ist., arkheol. i etn. (4a)	Novaia inostrannaia literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi, ezhened. bibl. zhur. (2a)	Novye knigi, ezhenedel'nyi bibliograficheskii zhurnal [New Books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U. S. S. R.]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriia A: Matematika, mekhanika, astronomiia, geofizika, fizika, khimiia, geologiia, fizicheskaia geografiia [New Foreign books: Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]
Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. (2a)	Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences; Economics, Philosophy, History, International Relations]
Nov. lit. o nauke i nauch.-issl. rab. za rub. (2a)	Novaia literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
Nov. lit. po Bolg. (2a)	Novaia literatura po Bolgarii [New Literature on Bulgaria]
Nov. lit. po Chekh. (2a)	Novaia literatura po Chekhoslovakii [New Literature on Czechoslovakia]
Dem. Resp. (2a)	Respublike [New Literature on the German Democratic Republic]
Nov. lit. po IUg. (2a)	Novaia literatura po IUgoslavii [New Literature on Yugoslavia]
Nov. lit. po Pol'. (2a)	Novaia literatura po Pol'she [New Literature on Poland]
Nov. lit. po Rum. (2a)	Novaia literatura po Rumynii [New Literature on Rumania]
Nov. lit. po Veng. (2a)	Novaia literatura po Vengrii [New Literature on Hungary]
Nov. mir (11b)	Novyi mir [The New World]
Nov. sov. ekon. lit. (5b)	Novaia sovetskaia ekonomicheskaia literatura [New Soviet Economic Literature]
Nov. sov. i inostr. lit. po stran. Az. i Afr. (2a)	Novaia sovetskaia i inostrannaia literatura po stranam Azii i Afriki [New Soviet and Foreign Literature on the Countries of Asia and Africa]
Nov. sov. i inostr. lit. po vop. rel. i ateiz. (3b)	Novaia sovetskaia i inostrannaia literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR (2a)	Novaia sovetskaia literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U. S. S. R.]
Nov. sov. lit. po filos. (3a)	Novaia sovetskaia literatura po filosofii [New Soviet Literature on Philosophy]
Nov. sov. lit. po iaz. (11a)	Novaia sovetskaia literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Nov. sov. lit. po ist., arkheol. i etn. (4a)	Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Nov. sov. lit. po lit. (11b)	Novaia sovetskaia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nov. tov. (6a)	Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
Nov. vrem. (6)	Novoe vremia [New Times]
Ogneupory (16h)	Ogneupory [Refractories]
Okhr. prir. na Urale (13a)	Okhrana prirody na Urale [Conservation in the Ural Mountain Region]
Opr. po faune (13c)	Opredeliteli po faune SSSR [Guides to the Fauna of the U. S. S. R.]
Ortop., travm. i protez. (14h)	Ortopediia, travmatologiia i protezirovanie [Orthopedics, Traumatology, and Prosthesis]
Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenty i mekhanika gruntov [Foundations and Soil Mechanics]
PMTF (10a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
Paleont. zhur. (12c)	Paleontologicheskii zhurnal [Paleontological Journal]
Paraz. sel'khoz. zhiv. Kazakh. (15b)	Parazity sel'skokhoziaistvennykh zhivotnykh Kazakhstana [Parasites of Farm Animals of Kazakhstan]
Pat. fiziol. i eksp. terap. (14e)	Patologicheskaia fiziologiia i eksperimental'naia terapiia [Pathological Physiology and Experimental Therapy]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Po rad. Ukr. (1b)	Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy. Po radians'kii Ukraini; fotokhronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through Soviet Ukraine. Photo Report]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]
Pratsi Inst. geol. nauk AN URSR. Ser. hidrogeol. i inzh. geol. (12c)	Akademiia nauk URSR, Kiev. Instytut geolohichnykh nauk. Pratsi. Seriia hidrogeologii i inzhenernoi geologii [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. Series in Hydrogeology and Engineering Geology]
Pratsi Od. un. Zbir. stud. rob. (1a)	Odessa. Universytet. Pratsi. Zbirnyk students'kykh robit [University. Transactions. Collected Student Papers]. In Ukrainian.
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Priroda (13a)	Priroda [Nature]
Prom. energ. (16e)	Promyshlennaia energetika [Industrial Power]
Prykl. mekh. (16g)	Prykladna mekhanika [Applied Mechanics]
Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Radio (16e)	Radio [Radio]
Radiobiologiia (13c)	Radiobiologiia [Radiobiology]

Radiokhimiia (13d)	Radiokhimiia [Radiochemistry]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Razved. i prom. geofiz. (18h)	Razvedochnaia i promyslovaia geofizika [Prospecting and Industrial Geophysics]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Ref. zhur.: Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur.: Avtom., telem. i vych. tekh. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]
Ref. zhur.: Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur.: Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts. Electronics and its applications]
Ref. zhur.: Elektrotekh. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur.: Fotokinotekh. (16g)	Referativnyi zhurnal: Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Ref. zhur.: Geod. (13b)	Referativnyi zhurnal. Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts Geophysics]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts· Geology]
Ref. zhur.: Gor. mash. (16h)	Referativnyi zhurnal: Gornye mashiny (Otdel'nyi vypusk 43) [Journal of Abstracts: Mining Machinery (Separate Issue 43)]
Ref. zhur.: IAd. reak. (16e)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Ref. zhur.: Issl. kosm. prostr. (13b)	Referativnyi zhurnal: Issledovanie kosmicheskogo prostranstva (Otdel'nyi vypusk 62) [Journal of Abstracts: Space Research (Separate Issue 62)]
Ref. zhur.: Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts: Chemistry]
Ref. zhur.: Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur.: Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]
Ref. zhur.: Kommun., byt. i torg. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur.: Kotlostr. (16g)	Referativnyi zhurnal: Kotlostroenie (Otdel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]
Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur. Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal. Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur.· Metr. i izm. tekh. (16a)	Referativnyi zhurnal· Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
Ref. zhur.: Nasosostr. i kompressorostr. (16g)	Referativnyi zhurnal. Nasosostroenie i kompressorostroenie (Otdel'nyi vypusk 61) [Journal of Abstracts. Manufacture of Pumps and Compressors (Separate Issue 61)]
Ref. zhur.: Nauch. i tekh. inform. (16a)	Referativnyi zhurnal: Nauchnaia i tekhnicheskaia informatsiia (Otdel'nyi vypusk 59) [Journal of Abstracts: Scientific and Technical Information (Separate Issue 59)]
Ref. zhur.: Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts. General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur.: Obor. pishch. prom. (16g)	Referativnyi zhurnal: Oborudovanie pishchevoi promyshlennosti (Otdel'nyi vypusk 38) [Journal of Abstracts: Equipment of the Food Industry (Separate Issue 38)]
Ref. zhur.: Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Ref. zhur.: Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
Ref. zhur.: Radiotekh. i elektrosviaz'	Referativnyi zhurnal· Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Ref. zhur.· Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts Plant Culture (Separate Issue 55)]
Ref. zhur.: Stroi. i arkhit. (16d)	Referativnyi zhurnal· Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
Ref. zhur.: Stroi. i dor. mash. (16g)	Referativnyi zhurnal: Stroitel'nye i dorozhnye mashiny (Otdel'nyi vypusk 60) [Journal of Abstracts: Construction Equipment and Road Machinery (Separate Issue 60)]
Ref. zhur.: Tekh. mashinostr. (16g)	Referativnyi zhurnal. Tekhnologiia mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Ref. zhur.: Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal· Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur.: Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air transportation]
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur.: Zhiv. Vet. (15b)	
Sbor. ent. rab. (13c)	Sbornik entomologicheskikh rabot [Entomological Papers]
Sbor. nauch. rab. Sib. nauch.-issl. inst. sel'. khoz. (15a)	‡ Omsk. Sibirskii nauchno-issledovatel'skii institut sel'skogo khoziaistva. Sbornik nauchnykh rabot [Siberian Scientific Research Institute of Agriculture. Papers]
Sbor. nauch. trud. Dnepr. inzh.-stroi. inst. (16d)	Dnepropetrovsk. Inzhenerno-budivel'nyi instytut. Sbornik nauchnykh trudov [Civil Engineering Institute. Papers]
Sbor. nauch. trud. KGRI (16h)	Krivoy Rog. Gornorudnyi institut. Sbornik nauchnykh trudov [Institute for Mining and Ore Dressing. Papers]
Sbor. rab. Inst. tsit. (13c)	Akademiia nauk SSSR. Institut tsitologii. Sbornik rabot [Academy of Sciences of the U. S. S. R. Institute of Cytology. Papers]
Sbor. rab. Mosk. gidromet. obser. (13f)	**Moscow. Gidrometeorologicheskaia observatoriia. Sbornik rabot [Hydrometeorological Observatory. Collected Papers]**
Sbor. rab. pozh.-ispyt. sta. (16d)	‡ Sbornik rabot pozharno-ispytatel'nykh stantsii [Papers of Experimental Fire Stations]
Sbor. rab. VTS MGU (13e)	‡ Moscow. Universitet. Vychislitel'nyi tsentr. Sbornik rabot [University. Computation Center. Papers]

[illegible]	Sbornik statei [Ural Machine-Building Plant, Scientific Research Institute of Heavy Machinery, Papers]
Sbor. trud. Inst. gor. dela AN URSR (16h)	Akademiia nauk URSR, Kiev. Instytut hirnychoi spravy. Sbornik trudov [Academy of Sciences of the Ukrainian S.S.R. Institute of Mining Collected Papers]
Sbor. trud. RIIZHT (16g)	Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Engineers of Railroad Transportation. Papers]
Sbor. trud. Uz. gos. nauch - issl. inst kur. i fizioter (14e)	Tashkent. Uzbekskii gosudarstvennyi nauchno-issledovatel'skii institut kurortologii i fizioterapii Sbornik trudov [Uzbek State Scientific Research Institute of Resort Therapy and Physical Therapy. Papers]
Sel'. stroi. (16d)	Sel'skoe stroitel'stvo [Rural Construction]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Sib. mat. zhur. (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Sil'. bud. (16d)	Sil's'ke budivnytstvo [Rural Construction]
Soob. AN Gruz. SSR (1a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Soobshcheniia [Academy of Sciences of the Georgian S. S. R. Reports. Russian language edition]
Sots. obesp. (6e)	Sotsial'noe obespechenie [Social Security]
Sov. bibl. (2a)	Sovetskaia bibliografiia [Soviet Bibliography]
Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. shakht. (16h)	Sovetskii shakhter [Soviet Miner]
Sov. torg. (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Starsh. - serzh. (17a)	Starshina -serzhant [Noncommissioned Officers]
Stek. i ker. (16c)	Steklo i keramika [Glass and Ceramics]
Stroi. i arkhit. (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]
Stroi. i arkhit. Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Stroi. i dor. mash. (16g)	Stroitel'nye i dorozhnye mashiny [Construction and Road Machinery]
Stroi mekh. i rasch. soor. (16d)	Stroitel'naia mekhanika i raschet sooruzhenii [Structural Mechanics and Construction Calculations]
Stroi. truboprov. (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]
Sud. -med. ekspert. (14a)	Sudebno-meditsinskaia ekspertiza [Forensic Medicine Expertise]
Svod. biul. nov. inostr. knig. Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U. S. S. R. Series A: Natural Sciences, Medicine, Agriculture, Technology]
Tekh. i vooruzh. (17a)	Tekhnika i vooruzhenie [Technology and Armaments]
Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Teor. veroiat. i ee prim. (13e)	Teoriia veroiatnostei i ee primeneniia [Theory of Probability and its Applications]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
Trakt. i sel'-khozmash. (16g)	Traktory i sel'khozmashiny [Tractors and Agricultural Machinery]
Transp. i khran. nefti (16h)	Transport i khranenie nefti [Transportation and storage of Petroleum]
Transp. i khran. nefti i nefte-prod. (16h)	Transport i khranenie nefti i nefteproduktov [Transportation and Storage of Petroleum and Petroleum Products]
Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy AANII (12b)	Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Trudy AN Lit. SSR. Ser. B (1a)	Lietuvos TSR mokslu akademija, Vilna. Darbai. Serija B. Trudy Akademii nauk Litovskoi SSR. Seriia B [Academy of Sciences of the Lithuanian S. S. R. Transactions. Series B]
Trudy AzNIIRKH (13c)	Rostov-on-Don. Azovskii nauchno-issledovatel'skii institut rybnogo khoziaistva. Trudy [Azov Scientific Research Institute of Fisheries. Transactions]
Trudy Bel. nauch.-issl. inst. zhiv. (15b)	‡ Minsk. Belorusskii nauchno-issledovatel'skii institut zhivotnovodstva. Trudy [White Russian Scientific Research Institute of Animal Husbandry. Transactions]
Trudy Chech.-Ing. nauch. issl. inst. ist., iaz. i lit. (1a)	Grozny. Checheno-Ingushskii nauchno-issledovatel'skii institut istorii, iazyka i literatury. Trudy [Chechen-Ingush Research Institute of History, Language, and Literature. Transactions]
Trudy DVFAN SSSR. Ser. geol (12c)	Akademiia nauk SSSR. Dal'nevostochnyi filial, Vladivostok. Trudy. Seriia geologicheskaia [Academy of Sciences of the U. S. S. R. Far Eastern Branch Transactions. Geological Series]
Trudy GGI (12b)	Leningrad. Gosudarstvennyi gidrologicheskii institut. Trudy [State Hydrological Institute. Transactions]
Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]
Trudy GIN (12c)	Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S S.R. Geological Institute. Transactions]
Trudy GISI (16d)	Gorkiy. Inzhenerno-stroitel'nyi institut. Trudy [Civil Engineering Institute. Transactions]
Trudy GPI (16a)	Gorkiy. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy GSKHI (15a)	Gorki. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Trudy Inst. biol. UFAN SSSR (13c)	Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [Academy of Sciences of the U. S. S. R. Ural Branch. Institute of Biology. Transactions]
Trudy Inst. ekon. AN Kazakh. SSR (5b)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut ekonomiki. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Economics. Transactions]
Trudy Inst. energ. AN Gruz. SSR (16g)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut energetiki. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Power Engineering. Transactions]
Trudy Inst. fiz. AN Gruz. SSR (13f)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut fiziki. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Physics. Transactions]
Trudy Inst. geol. UFAN SSSR (12c)	Akademiia nauk SSSR. Ural'skii filial. Sverdlovsk. Institut geologii. Trudy [Academy of Sciences of the U. S. S. R. Ural Branch. Institute of Geology. Transactions]
Trudy Inst. gor. dela AN Kazakh. SSR (16h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut gornogo dela. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Mining. Transactions]
Trudy Inst. klin. i eksper. kard. AN Gruz. SSR (14a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut klinicheskoi i eksperimental'noi kardiologii. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Clinical and Experimental Cardiology. Transactions]
Trudy Inst. klin. i eksp khir. AN Kazakh. SSR (14h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut klinicheskoi i eksperimental'noi khirurgii Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Clinical and Experimental Surgery. Transactions]
Trudy Inst. okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U. S. S. R. Institute of Oceanography. Transactions]
Trudy Inst. paleobiol. AN Gruz. SSR (12c)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut paleobiologii. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Paleobiology. Transactions]
Trudy Irk. NIIEM (14a)	‡ Irkutsk. Nauchno-issledovatel'skii institut epidemiologii i mikrobiologii. Trudy [Scientific Research Institute of Epidemiology and Microbiology. Transactions]
Trudy LIVT (17b)	Leningrad. Institut vodnogo transporta. Trudy [Institute of Water Transportation. Transactions]
Trudy LVMI (16g)	‡ Lugansk. Vechernii mashinostroitel'nyi institut. Trudy [Evening Machinery-Manufacturing Institute. Transactions]
Trudy MIIGAIK (16a)	Moscow. Institut inzhenerov geodezii, aerofotos"emki i kartografii. Trudy [Institute for Engineers in Geodesy, Aerial Photography, and Cartography. Transactions]
Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
Trudy Mor. gidrofiz. inst. AN URSR (12b)	Akademiia nauk URSR, Kiev. Mors'kyi hidrofizychnyi instytut. Trudy [Academy of Sciences of the Ukrainian S. S. R. Marine Hydrophysical Institute. Transactions]
Trudy NIITVCH (16e)	‡ Leningrad. Nauchno-issledovatel'skii institut tokov vysokoi chastoty. Trudy [Scientific Research Institute of High-Frequency Currents. Transactions]
Trudy Otd. energ. Dag. fil. AN SSSR (16g)	‡ Akademiia nauk SSSR. Dagestanskii filial, Makhach-Kala. Otdel energetiki. Trudy [Academy of Sciences of the U. S. S. R. Daghestan Branch. Power Department. Transactions]

inst. (12c)	[Academy of Sciences of the U.S.S.R. Institute of Paleontology Transactions]
Trudy Proek., tekh. i nauch.-issl. inst. (16a)	‡Gorkiy. Proektnyi, tekhnologicheskii i nauchno-issledovatel'skii institut. Trudy [Design, Technological, and Research Institute. Transactions]
Trudy TSAO (13f)	TSentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy TSSBS (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. TSentral'nyi sibirskii botanicheskii sad. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Central Siberian Botanical Garden. Transactions]
Trudy Tadzh. med. inst. (14a)	Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy TomNIIVS (14c)	Tomsk. Nauchno-issledovatel'skii institut vaktsin i syvorotok. Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]
Trudy TSel. sel'-khoz. inst. (15a)	‡TSelinograd. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Trudy Turk. fil. VNII (16h)	‡Vsesoiuznyi neftianoi nauchno-issledovatel'skii institut. Turkmenskii filial. Trudy [All-Union Petroleum Scientific Research Institute. Turkmen Branch. Transactions]
Trudy UkrNIGMI (13f)	Kiev. Ukrainskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Ukrainian Scientific Research Hydrometeorological Institute. Transactions]
Trudy VNIGRI (16h)	Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
Trudy Zool. inst. (13c)	Akademiia nauk SSSR. Zoologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Zoological Institute. Transactions]
Uch. zap. KVI (15b)	Kazan. Veterinarnyi institut. Uchenye zapiski [Veterinary Institute. Studies]
Uch. zap. Kab.-Balk. gos. un. (1a)	Nalchik. Kabardino-Balkarskii gosudarstvennyi universitet. Uchenye zapiski [Kabardino-Balkar State University. Studies]
Uch. zap. kaf. ist. KPSS (6)	Uchenye zapiski kafedr istorii Kommunisticheskoi partii Sovetskogo Soiuza Vysshei partiinoi shkoly pri TsK KPSS i mestnykh vysshikh partiinykh shkol [Studies by the Departments of the History of the Communist Party of the Soviet Union of the Higher Party School, Attached to the Central Committee of the Communist Party of the Soviet Union, and Local Higher Party Schools]
Uch. zap. NIIGA (12c)	‡Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Uchenye zapiski [Scientific Research Institute of the Geology of the Arctic. Studies]
Uch. zap. Ped. inst. Gerts. (1a)	Leningrad. Gosudarstvennyi pedagogicheskii institut imeni A. I. Gertsena. Uchenye zapiski [A. I. Hertzen State Pedagogical Institute. Studies]
Uch. zap. Pskov. gos. ped. inst. (1a)	‡ Pskov. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Uch. zap. Stavr. gos. med. inst. (14a)	‡Stavropol. Gosudarstvennyi meditsinskii institut. Uchenye zapiski [State Medical Institute. Studies]
Uch zap Tadzh. un. Trudy Fak. est. nauk (13a)	‡Dushanbe. Universitet. Uchenye zapiski . Fakul'tet estestvennykh nauk. Trudy [University. Studies. Faculty of Natural Sciences. Transactions]
Ugol' (16h)	Ugol' [Coal]
Ugol' Ukr. (16h)	Ugol' Ukrainy [Coal of the Ukraine]
Ukr. bot. zhur. (13c)	Ukrains'kyi botanichnyi zhurnal [Ukrainian Botanical Journal]
Ukr. fiz. zhur. (13f)	Ukrains'kyi fizychnyi zhurnal [Ukrainian Physical Journal]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]
Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Usp. nauch. fot. (16c)	Uspekhi nauchnoi fotografii [Progress in Scientific Photography]
Uzb. biol. zhur. (13c)	Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet Gazette]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. AMN SSSR (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S R Journal]
Vest. AN Kazakh. SSR (1a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Vestnik [Academy of Sciences of the Kazakh S.S.R. Journal]
Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Vest. mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest. Mosk. un. Ser. 6: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review. Series 6: Biology, Soil Science]
Vest. rent. i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Vest. sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Vestsi AN BSSR. Ser. biial. nav. (13c)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia biialagichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Biological Sciences]
Vestsi AN BSSR. Ser. fiz.-tekh. nav. (13f)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Physical and Technological Sciences]
Vnesh. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Voen.-ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
Voen. vest. (17a)	Voennyi vestnik [Military Review]
Voen. znan. (17a)	Voennye znaniia [Military Knowledge]
Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Vop. onk. (14e)	Voprosy onkologii [Problems of Oncology]
Vop. pit. (13c)	Voprosy pitaniia [Problems of Nutrition]
Vop. slav iaz. (11a)	Voprosy slavianskogo iazykoznaniia [Problems in Slavic Linguistics]
Vych. sist. (13e)	‡ Akademiia nauk SSSR. Sibirskoe otdelenie. Institut matematiki. Vychislitel'nye sistemy [Academy of Sciences of the U.S.S.R. Siberian Department. Institute of Mathematics. Computer Systems]
Zap. Chuk. kraeved. muz. (4b)	Magadan. Chukotskii kraevedcheskii muzei. Zapiski [Chukchi Museum for Regional Study. Records]
Zap. Vor. sel'-khoz. inst (15a)	‡ Voronezh. Sel'skokhoziaistvennyi institut. Zapiski [Agricultural Institute. Annals]
Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]
Zashch. trub. ot kor. (16d)	‡Zashchita truboprovodov ot korrozii [Corrosion Protection of Pipes]
Zdrav. Ros. Feder. (14a)	Zdravookhranenie Rossiiskoi Federatsii [Health Service of the Russian Federation]
Zhil.-kom. khoz. (16d)	Zhilishchno-kommunal'noe khoziaistvo [Housing and Communal Services]
Zhil. stroi. (16d)	Zhilishchnoe stroitel'stvo [Housing Construction]
Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zhur. nevr. i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zhur. prikl. khim. (16c)	Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
Zhur. vych. mat. i mat. fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

[illegible]

Kirpi[illegible], D M [Signal of disaster, emergency surgical [illegible] of the abdominal cavity] Signal bedstviia; [illegible] zabolevaniia organov briush-[illegible] Moskva, Izd-vo "Znanie," 1964. 37 p (Narodnyi u[illegible] kul'tury Fakul'tet zdo-[illegible] 14)

ABDOMEN—HYDATIDS

[illegible] abdominal [illegible] Uch zap [illegible]

ABDOMEN—SURGERY

[illegible] liver, and the [illegible] I A Mo-[illegible] 1:112-113 O '63

[illegible] I P Volkova, [illegible] 10 47-56 O '63

[illegible] M I Trushache[illegible] 10 102 103 [illegible]

[illegible] organs of the abdominal [illegible] Uch zap [illegible]

[illegible] B A Lands Vest [illegible] '63

[illegible] in children A N [illegible] 10 101 O '63

[illegible] in infant Z P Ku-[illegible] 10 102 O '63

[illegible] S G Orel Vest [illegible]

ABDOMEN—WOUNDS AND INJURIES

Closed injuries of abdominal organs A R Aliev, T A. [illegible] A A Akhmedov Azerb med. zhur 40 no 10 [illegible]-36 O '63

[illegible] of the liver in blunt abdominal [illegible] M A [illegible] Vest khir 91 no 10 110-112 [illegible] '63

Some problems of the mechanism of the absorption of blood from the abdominal cavity. Z. M. Robakidze. Soob. AN Gruz. SSR 33 no. 1 233-238 Ja '64.

ABELIAN GROUPS

[illegible] information P I Shcherbina. Vestsi AN BSSR Ser [illegible] nav no 1 5-11 '64.

ABKHAZIA—CAVES

Calcite oolite and pisolite in the caverns of Abkhazia. Z. K. Tintilozov. Soob. AN Gruz. SSR 31 no. 1:95-99 Jl '63.

ABKHAZIA—OOLITES

Calcite oolite and pisolite in the caverns of Abkhazia. Z. K. Tintilozov. Soob. AN Gruz. SSR 31 no. 1:95-99 Jl '63.

ABKHAZIA—PALEONTOLOGY, STRATIGRAPHIC

New data on the stratigraphy of the Lower Cretaceous sediments of Abkhazia. E. V. Kotetishvili Izv. Geol. ob-va Gruz 3 no 2:3-6 '64

ABKHAZIA—PINE, FOSSIL

Representative of the genus Cathaya (Pinacea) from the Pliocene of Abkhazia. I N Sveshnikova. Paleont. zhur. no 3:129-131 '64

ABKHAZIA—PISOLITE

Calcite oolite and pisolite in the caverns of Abkhazia. Z. K. Tintilozov. Soob. AN Gruz. SSR 31 no. 1:95-99 Jl '63.

ABKHAZIA—STONEFLIES

Nymphae of Protonemura oreas Martynov. N. Z. Bestavashvili. Soob. AN Gruz. SSR 31 no. 1:163-166 Jl '63.

ABKHAZIA—THALASSOTHERAPY

Change in some indices of the function of external respiration in cardiovascular patients under the influence of thalassotherapy. G. G. Tsaltsadze and others. Trudy Inst. klin. i eksper kard. AN Gruz. SSR 8:267-271 '63.

ABNORMALITIES (ANIMALS)

Teratologic modification of Metorchis pinquinicola Skrjabin, 1913. V. M. Alekseev. Zool. zhur. 42 no. 12:1871 '63.

ABORTION

Aberrant karyotypes in tissue cells of aborted fetus IU L Menitskii Vest. AMN SSSR 18 no. 12:22-25 '63.

ABRASIVES

Study of the surface relief of metals subjected to friction with a loose abrasive. R. Abraitis, J. Majauskas. Trudy AN Lit. SSR. Ser. B no. 1:207-216 '64.

ABSORPTION

Effect of the petrographic composition of coals on their content of absorbed methane. A. P. Bakaldina. Izv. vys. ucheb zav.; gor. zhur. 7 no. 4:10-12 '64.

ABSORPTION (PHYSIOLOGY)

Effect of long-wave diathermy on gastric and intestinal absorptive activity. V. R. Faitel'berg-Blank. Biul. eksp. biol. i med. 56 no. 8:70-74 Ag '63.

New experimental data supporting the adsorption theory of the cellular permeability of higher plants. H. V. Udovenka. Vestsi AN BSSR. Ser. biial. nav. no 3:24-32 '63.

ABSORPTION SPECTRA

Determination of the position of the vinyl group in vinyl diphenyl oxide isomers from the absorption spectra. I. V. Rodnikova, O. K. Surnina Zhur. fiz. khim. 36 no. 6:1287-1292 Je '62

ACADEMY OF SCIENCES OF THE KIRGHIZ S. S. R.—BIBLIOGRAPHY see Bibliography—Academy of Sciences of the Kirghiz S. S. R.

ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S. S. R.

General meeting of the Academy of Sciences of the White Russian S. S. R. Vestsi AN BSSR. Ser. biial. nav. no. 3: 138 '63.

ACARIANS see subdivision under Georgia

ACARIANS AS CARRIERS OF DISEASE see subdivision under Ob' Valley

ACCELERATION (PHYSIOLOGY)

Body reactions during the prolonged effect of coriolis accelerations. N. I. Arlashchenko and others. Biul. eksp. biol. i med. 56 no. 8:28-33 Ag '63.

Physiological reaction of the human body during the action of maximum accelerations in time and intensity, directed along the spinal-thoracic axis. Change in the system of external respiration. A. S. Barer, G. A. Golov, E. I. Sorokina. Biul. eksp. biol. i med. 56 no. 8:33-37 Ag '63.

ACCOUNTING

(see also subdivision under Lvov Economic region)

Symtsov, A. I. [The theory of accounting] Teoriia bukhgalterskogo ucheta. Izd. 5., perer. Moskva, Statistika, 1964. 230 p.

ACETALDEHYDE

Development of the process of the gas phase hydration of acetylene to acetaldehyde on nonmercury catalysts. IU. A. Gorin and others. Khim. prom. no. 4:265-267 Ap '64.

ACETALS

Derivatives of cyclic acetals. Part 1: Cyclic chloracetals and their derivatives. B. G. IAsnitskii, S. A. Sarkisiants, E. G. Ivaniuk. Zhur. ob. khim. 34 no. 6: 1940-1945 Je '64.

Derivatives of cyclic acetals. Part 2: Cyclic dialkyl aminoacetals and their iodomethylates. B. G. IAsnitskii, S. A. Sarkisiants, E. G. Ivaniuk. Zhur. ob. khim. 34 no. 6:1945-1948 Je '64.

Interaction of cyclic acetals with thiophenol. M. F. Shostakovskii, V M. Vlasov, A A. Nikiforov. Zhur. ob. khim. 34 no. 5:1685-1687 My '64.

Polyfunctional acetals. Synthesis of acetylenic acetals based on primary and secondary acetylenic alcohols and vinyl alkyl ethers M. F Shostakovskii, V. M. Vlasov, P. I. Grenovskii. Zhur. ob. khim. 34 no. 5:1403-1407 My '64.

ACETAMIDE

Fixation and multiplication of the pathogen in the [illegible] liver of the immune and non-immune body [illegible] of recurrence of paratyphoid fever infection [illegible] antibiotic therapy). B. N Smirnov. Vest AMN [illegible] 18 no. 9:60-67 '63

Kinetics of hydrolysis of N-methylacetamide in [illegible] aqueous solutions. IU. V. Moiseev, G. IA. [illegible], M. I. Vinnik. Zhur. fiz. khim. 37 no. 4:[illegible]

Physicochemical investigation of the ternary system carbamide - acetamide - acetic acid. I M [illegible] IU I. Bokhovkina. E. O. Vitman Zhur ob khim 34 no 5 1363-1365 My '64.

Physicochemical investigation of the ternary system carbamide - acetamide - monochloroacetic acid. I M Bokhovkin, IU. I. Bokhovkina, L. S Ueniliania [illegible] ob. khim 34 no. 5:1366-1369 My '64

Some remarks about the articles by A. K. Sh[illegible], G. A. Stychinskii and coauthors. A. B. Che[illegible] Lab. delo no. 6:362-364 '61.

ACETIC ACID

Esters of α-metalated carboxylic acids. Esters of dialkylstannylbisacetic acid. S. V. Ponomarev, IU. F. Baukov, I. F. Lutsenko. Zhur. ob. khim. 34 no. 6 1[illegible]-1940 Je '64.

Extractive rectification of raw acetic acid using [illegible] acetate. I. N. TSiparis and others. Gidroliz i lesokhim. prom. 17 no. 4:10-19 [illegible] '64.

Interaction of bromocyanoacetic ester with aromatic aldehydes in the Reformatskii and Widequist [illegible] N. S. Vul'fson, F. G. Zhurina, L. B. Senlavina [illegible] SSSR 157 no 3:603-606 Jl '64

Interaction of 4, 4-dichlorochromen-2-carboxylic [illegible] derivatives with cyanoacetic ester. V. A. Zagorevskii, I. D. TSvetkova, E. K. Orlova Zhur. ob. khim 34 no. 5.1685-1690 My '64.

New method for preparation of aryl acetic acids V M Naidan, A. V. Dombrovskii. Zhur ob. khim 34 [illegible] 1469-1473 My '64

Pharmacology of "alpanal". V. M. Samvelian Izv. AN Arm. SSR, Biol. nauki 16 no. 2:41-44 F '63.

Physicochemical investigation of the ternary system carbamide - acetamide - acetic acid. I M. Bokhovkin, IU. I. Bokhovkina, E O Vitman. Zhur ob. khim 34 no 5:1363-1365 My '64.

Physicochemical investigation of the ternary system carbamide - acetamide - monochloroacetic acid. I. M Bokhovkin, IU. I Bokhovkina, L. S Ueniliania Zhur ob khim 34 no 5:1366-1369 My '64.

Physicochemical investigation of the ternary system phenol - acetic acid - monochloroacetic acid. I. M Bokhovkin, IU. I. Bokhovkina, E. O. Vitman. Zhur [illegible] khim. 34 no 5 1372-1375 My '64.

Physicochemical investigation of the ternary system phenol - monochloroacetic acid - trichloroacetic acid I M. Bokhovkin, IU. I. Bokhovkina, E. O. Vitman Zhur ob. khim. 34 no. 5:1369-1371 My '64.

Polarographic study of the complex formation of europium with ethylenediaminetetraacetic acid. IU. P. Galaktionov, R. A. Lidin, K. V. Astakhov. Zhur. fiz. khim. 37 no 4: 820-834 Ap '63.

Preparation of acetic acid by the oxidation of hydrocarbons. A. A. Proshkin, V. L. Danilenko, B. P. Dorokhov[illegible] Khim. prom. (Ukr.) no. 1:43-44 Ja-Mr '63.

S^{35} tracer study of the mechanism of oxidation of mercaptoacetic acid. Part 1. L. Guczy, D. Gal. Zhur. fiz. khim. 36 no. 6:1150-1157 Je '62.

ACETIN

Lipides. Part 24: Synthesis of monoacid triglycerides by the re-esterification of triacetins with methyl esters of higher fatty acids. T. K. Mitrofanova and others. Zhur. ob. khim. 34 no. 6:1906-1908 Je '64.

ACETOACETIC ACID

Nonsymmetrical organic α-oxides. Part 23: Condensation of glycidol ethers with sodium acetoacetic ester F. G. Ponomarev, N. I. Kopteva, G. I. Shchetinina Zhur. ob. khim. 34 no. 6:1602-1606 My '64.

ACETONE

Characteristics of a furfurole-acetone monometer. G. K. Utkin, V. N. Kozlov. Izv. vys. ucheb. zav.; les. zhur 6 no. 6:142-146 '63.

ACETYL CHLORIDE

Decomposition of 1-(α-chloroethyloxy)-2-acetoxyethane. M.F.Shostakovskii and others. Zhur.ob.khim 34 no.6:2089-2090 Je '64.

ACETYLATION

Development of the process of surface acetylation of textile fibers. V.A.Landysheva and others Zhur prikl.khim. 37 no.5:1087-1092 My '64.

ACETYLENE

Conversion of hydrocarbons to acetylene in the electric discharge in a static system. Part 1. A.B TSentsiper, E.N.Eremin, N.I.Kobozev. Zhur.fiz.khim 37 no.4:835-841 Ap '63.

Development of the process of the gas phase hydration of acetylene to acetaldehyde on nonmercury catalysts. IU.A.Gorin and others. Khim.prom. no.4,265-267 Ap '64.

Fire hazards in the production of acetylene with the electric cracking process G D.Litukhin, G A Domogatskii Sbor rab pozh.-ispyt.sta no.3 13-30 '63

Laws governing the formation of acetylene in the thermal separation of methane. G.I. Kozlov, V.G. Knorre. Gaz. prom. 8 no.1:38-39 '63.

Mechanism of the conversion of methane to acetylene in electric discharges. Part 1. E.N.Borisova, E.N Eremin. Zhur.fiz.khim. 36 no.6:1261-1268 Je '62

ACETYLENE COMPOUNDS

Addition of benzonitrile oxide to unsaturated compounds. Part 5: Addition of benzonitrile oxide to isoalkenyl- and cycloalkenylacetylenes. V.N.Chistokletov, A.T.Troshchenko, A A.Petrov. Zhur.ob.khim. 34 no.6:1891-1896 Je '64.

Addition of silane hydrides to acetylenic alcohols and their derivatives S I Sadykh-zade, I.A.Shikhiev, E.M.Khalilova Zhur ob khim 34 no.5 1393-1395 My '64

Cyanoethylation of acetylenic amines. I A.Favorskaia, K.A.Kononova. Zhur.ob.khim. 34 no.6:2090 Je '64.

Dioxides of the acetylenic series. Part 4. F.IA.Perveev, V.IA.Statsevich. Zhur.ob.khim. 34 no.6:1733-1737 Je '64.

Furylalkynes. Part 1: Synthesis and some properties of furylacetylenic alcohols and glycols L I.Vereshchagin and others. Zhur.ob.khim. 34 no.5:1419-1427 My '64.

Synthesis of ε-acetylenic β-ether alcohols. M.F. Shostakovskii, A.S.Atavin, B.A.Trofimov. Zhur.ob. khim. 34 no.6:2089 Je '64.

ACID-BASE EQUILIBRIUM

Alkaline reserve in the blood of cows with alimentary osteodystrophies. A V Abros'kina Zap.Vor sel'khoz inst 17 no 2 177-182 '62

Changes in the acid-base equilibrium in current forms of anesthesia. T.P.Makarenko, A.I Kabakov, N.N. Rassirigin. Vest.khir 91 no 10 78-84 O '63

Data on the interaction of nutritional and acid-defensive conditioned reflexes. N.E.Vasilevskaia, T.K. Nabokina. Nerv.sist. no.3:101-109 '62.

ACID-RESISTANT MATERIALS

Lapping paste and special coatings for cranes made of acid-resistant steels. IU.M.Kotelevskii, P.A.Zhunev. Mash.i neft.obor. no.11:43-44 '63.

ACIDS

Action of acids on platinum adsorption catalysts in the decomposition of hydrogen peroxide. Zh.V.Strel'nikova, V.P.Lebedev. Zhur.fiz.khim. 37 no.4:920-922 Ap '63.

Thermodynamic properties of nonaqueous electrolyte solutions. Part 14. N.A.Izmailov, V.S.Chernyi, L.L. Spivak. Zhur.fiz.khim. 37 no.4,822-828 Ap '63.

ACIDS, FATTY

Investigating the individual composition of the synthetic fatty acids of petroleum paraffins. E.A.Kruglov, K.M. Vaisberg, Z.I.Abramovich. Khim.i tekh.topl.i masel 9 no.5:35-38 My '64.

New method for separating and dividing synthetic fatty acids into fractions. N.K.Man'kovskaia and others. Khim.i tekh.topl.i masel 9 no.6:52-57 Je '64.

Starting and operating a unit for distilling fatty acids. G.I.IAstrebov, E.I.Atanazevich, G.K.Ievlev. Neftepер.i neftekhim. no.6:27-31 '63.

ACIDS, ORGANIC

Composition and equilibria in aqueous solutions of carboxylic acids. N.G.Zarakhani, M.I.Vinnik. Zhur. fiz.khim. 38 no.3:632-638 Mr '64.

Formation and transformation of acids of primary sugar oxidation in plants. S.V.Soldatenkov, O.D.Bykov. Fiziol.rast. 11 no.3:515-521 '64.

Interaction of alkylorthotitanates with dibasic acid anhydrides. A L.Suvorov, S.S.Spasskii. Dokl.AN SSSR 157 no.3:639-642 Jl '64.

Production of hydroaromatic dicarboxylic acids. G.S.Gurevich, S.Z.Levin, I.S.Diner. Zhur.prikl. khim. 37 no.5:1139-1141 My '64.

ACIDS, ORGANIC-

Thermodynamic

and carboxylic

Zhur.fiz.khim.

ACOUSTICAL ENGINEERING

Molodaia, N.T. [Acoustical design of radiobroadcasting and television studios, manual for course project designs] Akusticheskoe proektirovanie radioveshchatel'nykh i televizionnykh studii, posobie dlia kursovogo proektirovaniia. Moskva, Mosk. elektrotekhn. in-t sviazi, 1962. 83 p.

[MICROFILM]

ACQUISITIONS (LIBRARIES)

[New foreign books; catalog of new accessions] Nov. inostr knigi; kat.nov.postup. nos 4-5 '64

ACQUISITIONS (LIBRARIES)—BIBLIOGRAPHY see Bibliography—Acquisitions (Libraries)

ACRIDANONE

Derivatives of anthraquinone Part 4: Color and structure of 1-amino-2-benzoylanthraquinone and 7,8-phthaloylacridone derivatives N S Dokunikhin, S M.Shein, I L.Boguslavskaia Zhur ob khim 34 no 5 1565-1569 My '64.

ACRIDINE

Derivatives of acridine. Part 4 Synthesis of N$^{\alpha}$-9-(6-chloro-2-methoxy) acridyl-α-amino acids. L B Radina and others Zhur ob khim 34 no 5 1543-1545 My '64

ACROLEIN

Vapor phase recovery of acrolein. S.D.Mekhtiev, O.A. Narimanbekov. Izv.vys.ucheb.zav., neft' i gaz 7 no.1:59-60 '64.

ACRYLAMIDE

Precipitation of suspended and colloidal substances from neutralizates by means of polyacrylamide E.A. Bel'kova. Gidroliz.i lesokhim prom 17 no.4:20 '64

Reaction of α-amino acids with acrylamide P.F.Butskus, A.I Butskene Zhur ob khim 34 no 5 1407-1409 My '64

ACRYLIC ACID

Energy states of benzoylacetonate rare-earth complexes compounded with polymethylmetacrylic acid [with summary in English]. V.A.Voloshin, A.H.Horiushko, V.A.Kul'chytskyi. Ukr.fiz.zhur. 9 no.2:192-195 F '64.

Mechanism of the reaction of addition of aromatic and some heterocyclic amines to methyl acrylate. R.Baltrusis, A.Maciulis. Trudy AN Lit.SSR.Ser.B no.1:163-169 '64.

ACRYLONITRILE

Copolymerization of unsaturated compounds of the liquid products of pyrolysis with acrylonitrile. IU.G. Mamedaliev and others. Dokl.AN Azerb.SSR 20 no.3 23-26 '64.

Reaction mechanism of addition of hydrides to chlorosilanes to acrylonitrile. Z.V.Beliakova, T.M IAkusheva, S A Golubtsov. Zhur.ob.khim. 34 no.5:1480-1484 My '64.

ACTING

Knebel', M.O. [Speech as an element of the actor's art] Slovo v tvorchestve aktera. Izd.2., ispr. i dop Moskva, Vseros. teatral'noe ob-vo, 1964. 163 p.

ACTING—STUDY AND TEACHING

Zakhava, B.E. [Acting and directing skill; textbook for drama schools] Masterstvo aktera i rezhissera, uchebnoe posobie dlia teatral'nykh uchebnykh zavedenii. Moskva, Sovetskaia Rossiia, 1964. 286 p.

ACTINIDE ELEMENTS

Chromatographic separation of rare-earth elements and some actinides on cation exchangers in the presence of radioactive isotopes coprecipitating with LaF$_3$. I.Brandshtetr and others. Radiokhimiia 5 no.6:694-699 '63.

ACTINIUM ISOTOPES

Study of the products of reactions of heavy elements with multicharge ions. Part 1: Radiochemical determination of Ac^{225} and Ac^{226} occurring during the irradiation of uranium and thorium by nitrogen and neon ions. I.Bradshtetr and others. Radiokhimiia 5 no.6:699-705 '63.

ACTINOMETER

Methodology of actinometric observations at sea. D.L. Grishchenko, E.P.Novosel'tsev, N.E.Ter-Markariants. Trudy GGO no.152:212-221 '64.

ACTINOMETRY

Universal rule for the reading of solar radiation calories in heliotherapy under E.A.Cherniavskii's jalousies. V.A.Saidakhmedov. Sbor.trud.Uz.gos. nauch.-issl.inst.kur.i fizioter. 17:178-180 '62.

ACTINOMYCES

Guanylic ribonuclease of actinomycetes. R.I.Tatarskaia and others. Dokl.AN SSSR 157 no.3:725-728 Jl '64.

ACTINOMYCES—CULTURES AND CULTURE MEDIA

Formation and distribution of amino acids in an Actinomyces levoris 2789 culture according to developmental phases. V.N.Shaposhnikov and others Dokl.AN SSSR 157 no.3,681-683 Jl '64.

ACTIVATED CARBON see Carbon, Activated

ACTIVATION ENERGY

Activation energy of self-diffusion in metals. V V Demchenko. Zhur.fiz.khim 38 no 3:719-720 Mr '64

ACTIVITY COEFFICIENTS

Thermodynamics of ion exchange of organic ions N A. Izmailov, S Kh.Mushinskaia. Zhur fiz.khim 36 no.6:1210-1218 Je '62.

ACTORS, LATVIAN

Dzene, Lilija. [Actors of our generation; portraits] Musu Paaudzes aktieri; portreti. Riga, Latvijas Valsts izd-ba, 1963. 402 p. [In Latvian]

ACUPUNCTURE

Acupuncture in compound sanatorium treatment of neurasthenia E.S.Vel'khover. Izv.AN Kazakh.SSR. Ser.med.nauk 11 no.2:59-64 '64.

Effect of a single acupuncture treatment on the bioelectric activity of the brain in neurasthenia. E.S.Vel'khover. Izv.AN Kazakh SSR.Ser med.nauk no.1:37-42 '64.

The theory of "ch'en chen liao " E.S.Vel'khover Vest AN Kazakh SSR 19 no 8 53-59 Ag '63

ACYLATION

Acylation of furan derivatives in the presence of iron and iron chloride G.G Galust'ian, I.P.TSukervanik Zhur.ob khim 34 no 5 1478-1480 My '64

ADAPTATION (BIOLOGY)

Adaptation of biting midges to different conditions of air humidity R M Gornostaeva Zool zhur 43 no 1:145-147 '64.

Effect of training on resistance to cerebral anemia in rats subjected to hypothermia. N.V.Korostovtseva. Biul.eksp.biol.i med. 56 no.8:44-45 Ag '63.

Some data on the comparative evaluation of the adaptive role of the sympathetic nervous system in the diagnosis of acute appendicitis. A.B Aliev. Azerb med. zhur 40 no 10:48-53 O '63

Some methodological problems in the reactivity in children. R.A.Kaliuzhnaia. Vest.AMN SSSR 19 no.1:53-59 '64.

ADDITION REACTIONS

Addition of nucleophilic reagents to 2-vinylbenzothiazole and 2-propenylbenzothiazole. A.I.Kiprianov, A.IA. Il'chenko, L.M.Syromolotova. Zhur.ob.khim 34 no.6:1926-1930 Je '64.

Course of the addition of alcohols and water to enyne hydrocarbons. B.S.Kupin, A.A.Petrov. Zhur.ob. khim. 34 no.6:1897-1899 Je '64.

Mechanism of the reaction of addition of aromatic and some heterocyclic amines to methyl acrylate. R.Baltrusis, A.Maciulis. Trudy AN Lit.SSR.Ser.B no.1:163-169 '64.

Regularities in the addition reactions of diacetylenes. Part 1: Course of the addition of bromine and hydrogen bromide to the nearest unsymmetrical diacetylene homologs. IU I.Porfir'eva, A.A.Petrov, L.B.Sokolov. Zhur.ob.khim. 34 no.6:1873-1881 Je '64.

Regularities in the addition reactions of diacetylenes. Part 2: Course of the addition of mercaptans to nearest unsymmetrical diacetylene homologs. IU.I.Porfir'eva, L.B.Sokolov, A.A.Petrov. Zhur.ob.khim. 34 no 6:1881-1886 Je '64.

ADENINE

Reversions of adenineless yeasts to prototrophic quality. S.G.Inge-Vechtomov. Vest.LGU 19 no.9:112-117 '64.

ADENOSINETRIPHOSPHATASE

Spectroscopic study of the kinetics and properties of enzymesubstrate complexes in adenosine triphosphatase reaction of contractive muscle proteins. E.A.Burshtein, T.B.Suslova. Biofizika 9 no.1:48-55 '64.

ADENOVIRUS INFECTIONS see subdivision under Pavlovsk District (Altai Territory)

ADHESION

Attachment to the MRS-2-type machine for testing the dynamic force of adhesion of a single cord thread to rubber. M.S.Dozortsev, M.D.Privler. Kauch.i rez. 23 no.4:49 Ap '64.

ADHESIVES

Use of epoxy adhesives in the repair of pipelines, tanks, and other containers. A.S.Gluzman, K.A.Karapetov. Nefteprom.delo no.2:25-26 '63.

ADIPONITRILE

Phase and volume relations in the system adiponitrile - ammonia. G.D.Efremova, R.O.Prianikova. Zhur.fiz. khim. 38 no.3:686-691 Mr '64.

ADMINISTRATIVE ECONOMIC COUNCILS

Samokhvalov, F.V. [National economic councils, 1917-1932] Sovety narodnogo khoziaistva v 1917-1932 gg. Moskva, Izd-vo "Nauka," 1964. 300 p.

ADMINISTRATIVE LAW

Moscow. Universitet. [Soviet administrative law; special part] Sovetskoe administrativnoe pravo (osobennaia chast'). Pod red. IU.M.Kozlova. Moskva, IUridicheskaia literatura, 1964. 235 p.

ADRENAL CORTEX

[illegible] of adrenal cortex in relation to the [illegible] with [illegible] materia medica. M.G. [illegible] Soob. AN Gruz. SSR 31 no 1 221-226 Jl [illegible]

[illegible] of the adrenal cortex in chronic [illegible] arthritis and its change [illegible] health resort treatment with Saryagach [illegible] combined with small doses of [illegible] Report No 2 I A Kalerlstova Izv AN [illegible] nauk 11 no 2 65-70 '64

[illegible] adrenal cortex in patients with [illegible] in the process [illegible] mineral baths and baths [illegible] Report No 1 [illegible] AN Kazak SSR Ser med nauk [illegible]

ADRENAL GLANDS—CANCER

[illegible] I I Akhundov Trudy Inst klin i eksp [illegible] AN Kazakh SSR 8 103-113 '62

ADRENAL GLANDS—DISEASES

[illegible] system in neurasthenias and [illegible] Zhur nevr i psikh 64 7 [illegible]

ADRENAL GLANDS—EXCISION

[illegible] and the administration of some [illegible] formation V M Ivanov [illegible] AMN [illegible] 11 [illegible] 24 '63

ADRENAL GLANDS—TUMORS

[illegible] from the medullary layer of adrenal glands [illegible] V I Alisievich Sud.-[illegible] 7 [illegible] 2 19 22 Ap-Je '64

ADRENALINE

[illegible] co-adrenal system in experimen-[illegible] N A Smaznova S A Gas-[illegible] Pat fiziol i eksp terap 7 no 6 50-53 N-D [illegible]

[illegible] adrenergic and cholinergic substances in [illegible] V K Mtager, A I Goshev [illegible] psikh 64 no 5 742-745 '64

[illegible] studies on the nature of some changes [illegible] experimental theophylline-adrena-[illegible] electrocardiographic study L N [illegible] F I Kalinskii Pat fiziol i eksp terap 7 [illegible] 73 N-D '63

ADRENOCORTICAL HORMONES

[illegible] and the administration of some corticosteroids [illegible] formation V M Ivanov Vest AMN SSSR 18 no 11 19-24 '63

Neural and mental disorders in children during corticosteroid treatment. V N. Bordarev. Zhur. nevr. i psikh. 63 no 7 1094-1096 '63.

Reproduction of Listeria-induced sepsis in mice following treatment with some corticosteroids in enteral infection S B Trukhmanov Trudy TomNIIVS 14:97-99 '63

Role of corticosteroid hormones in the pathogenesis and treatment of hematogenous osteomyelitis. V.IA. Braitsev, E F.Vlasova, S.A Cherviakova Khirurgiia 40 no.2:51-56 F '64.

ADSORBENTS

Carbon adsorbents with molecular sieve properties M M Dubinin and others Dokl AN SSSR 157 no. 3 656-[illegible] Jl '64

Sorption of strontium ions on a sodium molecular sieve. G V TSitsishvili, A.IU.Krupennikova. Radiokhimiia 5 no 5,656-660 '63

ADSORPTION

Adsorption of hydrogen on a platinum cathode. G.P. Dezideriev, S I Berezina, G.A Gorbachuk. Zhur.fiz.khim. 37 no.4:856-861 Ap '63.

Certain adsorption phenomena in cathodic polarography with solid electrodes. M B Bardin. Zhur.fiz.khim. 38 no 3,571-575 Mr '64.

Effect of radiation on the adsorptive and catalytic properties of aluminum oxide G V TSitsishvili, Sh I. Sidamonidze Soob AN Gruz SSR 31 no 3 575-576 S '63

Existence of adsorption effect in systems used in the technology of hot casting of ceramics. V P. Samoilov, M.N.Kulygina. Zhur.prikl.khim. 37 no. 5;965-971 My '64

Relation between the relative adsorption of bromine and iodine by mineral adsorbents from aqueous solutions in the presence of salts. E.I.Akhumov, B.IA Rozen. Zhur.fiz.khim 38 no.3;537-541 Mr '64

Statistical calculation of the total energy and entropy of argon adsorbed on graphite. A.V.Kiselev, D.P.Poshkus Zhur fiz.khim. 37 no.4:770-777 Ap '63.

Viscous distillate lubricants from adsorption purification. N.P.Isotova, I.A Mikhailov, S.Z.Levinson. Khim i tekh.topl i masel 9 no.6;28-34 Je '64.

ADULT EDUCATION

Community participation in cultural and educational work of local soviets. M.P.Bannykh. Sov.gos.i. pravo 34 no.5.117-122 My '64.

ADVERTISING

Several problems of advertising. D.Bekleshov. Vnesh. torg 44 no.5 54-57 '64

ADZHARISTAN—BEECH

Some characteristics of the growth and development of oriental beech at the seacost of Adzharistan D.V Mandzhavidze Izv.Bat.bot.sada no 12;67-74 '63.

ADZHARISTAN—LAND

Efficient utilization of land resources in Adzharistan. N.Devidze. Ekon.sel'khoz. 35 no 1:92-93 Ja '64.

AERIAL BOMBING see Bombing, Aerial

AERIAL PHOTOGRAMMETRY

Spatial phototriangulation from oblique aerial photographs using an electronic computer F.F Lysenko. Izv.vys.ucheb.zav., geod.i aerof no.6 113-129 '63

Vsesoiuznyi seminar po geologicheskomu deshifrirovaniiu pri geologicheskikh issledovaniiakh, Moscow, 1961. [Methods for the interpretation of the materials of aerial photography in geological studies; materials] Metody deshifrirovaniia aerofotomaterialov pri geologicheskikh issledovaniiakh; materialy. Glav. red. V.V.Baturin, V.N Briukhanov, L M.TSikkel'. [Moskva] Izd-vo "Nedra," [1964] 150 p.

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMICS

Conical flows of an ideal incompressible fluid. N.V. Smirnov. Vest.LGU 19 no.7:107-115 '64.

AERODYNAMICS, HYPERSONIC

Hypersonic aircraft. E.Pavlov. Av.i kosm. 47 no.7: 10-15 Jl '64.

Radiant heating in a hypersonic flow. L.M.Biberman and others. Kosm.issl 2 no.3;441-454 My-Je '64.

AERODYNAMICS, SUPERSONIC

Interaction between a supersonic flow and an obstacle. F.V.Shugaev. PMTF no.6;101-103 N-D '63.

Mironov, A.D. [Supersonic "boom" of an airplane] Sverkhzvukovoi "khlopok" samoleta. Moskva, Voenizdat, 1964. 51 p.

Use of the diffraction shadow method in the quantitative determination of the intensity of a plane shock wave in a model moving in a supersonic flow L.A.Vasil'ev I.V.Ershov. Dokl.AN SSSR 157 no.2,317-320 Jl '64

AERONAUTICAL RESEARCH

Looking into the far future. G.Pokrovskii. Av.i kosm. 47 no.7:31-34 Jl '64.

AERONAUTICS—ABSTRACTS

[Air transportation] Ref.zhur.: Vozd.transp. no.7 Jl '64.

AERONAUTICS—BIBLIOGRAPHY see Bibliography—Aeronautics

AERONAUTICS—DICTIONARIES

Kotik, M.G., and others, comps. [English-Russian aviation dictionary] Anglo-russkii aviatsionnyi slovar. Pod obshchei red A.M.Murashkevicha. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 687 p.

AERONAUTICS—STUDY AND TEACHING

Value every minute of training time. N.Shchepankov. Komm.Vooruzh.Sil 4 no.13;26-29 Jl '64.

The way to vast technical knowledge. M.Men'shov, IU.Kuvshinnikov. Komm.Vooruzh.Sil 4 no.10:17-21 My '64.

AERONAUTICS, MILITARY

Call signs of the earth. IU.Druzhinin. Starsh.-serzh. no 6;10 Je '64.

Experimental specimen, projects. N.Listvin. Av.i kosm. 47 no.7:90-94 Jl '64.

AERONAUTICS, MILITARY—OBSERVATIONS

Aerial reconnaissance in twilight. G.Eletskikh. Av.i kosm. 47 no.7;46-50 Jl '64

AERONAUTICS, MILITARY—STUDY AND TEACHING

Flight and its evaluation. S.Astakhov. Av.i kosm. 47 no.7;51-54 Jl '64.

Students get winged. B.Rivkin. Av.i kosm. 47 no.7: 60-66 Jl '64.

Tactical analysis of flights. S.Ivlev. Av.i kosm. 47 no.7;41-45 '64.

AERONAUTICS IN GEOLOGY

Parameters of the primary field of two compatible magnetic dipoles. L.P.Dikmarova. Izv.AN SSSR.Ser.geofiz. no.7:1058-1060 Jl '64.

AEROSOLS

Coagulation of radioactive aerosols with cloud droplets. B.I.Styro and others. Soob.AN Gruz.SSR 33 no.1: 61-67 Ja '64.

Relation between the scattering of light in the free atmosphere and the vertical distribution of aerosols. A G Laktionov Izv.AN SSSR.Ser.geofiz no.6 953-957 Je '64.

Use of drying oil fogs in studying filtration of aerosols. L.V.Radushkevich, V.A.Kolganov. Zhur.fiz.khim. 38 no.3;806-808 Mr '64.

Utilization of ionized air and unipolar aerosols. A.V. Kitaev. Zhur fiz khim. 38 no.6;1130-1130 Je '64

AEROSOLS—RADIOACTIVE PROPERTIES

(see also subdivision under Moscow region)

Some physical characteristics of hot alpha-radioactive aerosols. B.I.Styro, E IU.Vebra, K.K.Shopauskas. Atom.energ. 16 no.6,528-530 Je '64.

AEROTHERMODYNAMICS

Heating of a two-layer plate. M.D.Mikhailov. PMTF no.6:172-173 N-D '63.

AESTHETICS

(see also subdivision under China)

About I.B.Astakhov's book, "What is aesthetics." L. N. Stolovich. Nauch.dokl.vys.shkoly; filos.nauki 7 no 2 155-157 '64

Akademiia khudozhestv SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [History of aesthetics; landmarks of world aesthetical thought in five volumes] Istoriia estetiki; pamiatniki mirovoi esteticheskoi mysli v piati tomakh. Red. kollegiia: M.F.Ovsiannikov i dr. Moskva, Iskusstvo.

Vol.2. [Aesthetical schools in the 17th and 18th centuries] Esteticheskie ucheniia XVII-XVIII vekov. 1964. 834 p.

Kulikova, I.S. [Bourgeois aesthetics is the enemy of art; from cubism to "art of the absurd"] Burzhuaznaia estetika - vrag iskusstva; ot kubizma do "iskusstva absurda." Moskva, Izd-vo "Znanie," 1964. 38 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no.13)

Moscow. Akademiia obshchestvennykh nauk. [Problems of modern foreign literature and aesthetics] Voprosy sovremennoi zarubezhnoi literatury i estetiki. Moskva, Izd-vo "Mysl'," 1964. 210 p.

Stolovich, L.N. [The beautiful in life and in art] Prekrasnoe v zhizni i v iskusstve. Moskva, Politizdat, 1964. 68 p. (Populiarnaia bibliotechka po estetike)

AESTHETICS—STUDY AND TEACHING

Aesthetic training in schools: bibliography Rad shk 41 no 5:99-101 My '64.

Artists on the art of education. V.Shakhidzhanian. Nar obr no 6 113-115 Je '64.

Beauty movement expands A.Markina. Nar obr. no.7: 65-66 Jl '64

Let's inculcate Lenin's attitude to art in youth. H.O Paperna Rad shk 43 no.5:3-10 My '64

AFFORESTATION see subdivision under Caucasus, Northern; Siberia

AFGHANISTAN—HISTORY

IUldashbaeva, F.Kh. [From the history of English colonial policy in Afghanistan and Central Asia; the seventies and eighties of the 19th century] Iz istorii angliiskoi kolonial'noi politiki v Afganistane i Srednei Azii (70-80 gody XIX v.) Tashkent, Gosizdat UzSSR, 1963. 189 p.

AFGHANISTAN—SEISMIC WAVES

Study of the intensity of SP type exchanged waves during deep Afghan earthquakes. G.N.Pachadzhanova Izv AN SSSR.Ser.geofiz. no.6 899-902 Je '64.

AFRICA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of Asia and Africa] Nov.sov.i inostr.lit.po stran.Az.i Afr. nos.1-5 '64.

AFRICA—ECONOMIC CONDITIONS

Useful book on Africa. S.Tiul'panov. Mir.ekon i mezhdunar.otn. no.7;155 '64.

AFRICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Neocolonialism in a liberal guise V.Fetov. Mir ekon i mezhdunar otn. no 6:150-153 '64.

AFRICA—POLITICS

Young national states in Asia and Africa. Komm. Vooruzh.Sil 4 no.10;84-87 My '64.

AFRICA—RELATIONS (MILITARY) WITH FRANCE

France's neocolonialist striking force. N.Paklin. Nov.vrem. 21 no.27;30-31 Jo '64.

AFRICA—TRADE UNIONS

The African proletariat. IU.Popov. Nov.vrem. 21 no.27;16-17 Jo '64.

AFRICAN SUGARCANE see Sorghum

AGEEV, VLADIMIR AFANAS'EVICH

They were decorated in 1962. N.Belous, V.Kiselev. Sov.voin 44 no.24;3-4 D '62.

AGGLUTINATION

Specific O-antigens in spontaneously agglutinable Salmonella. N.N.Zinin-Bermos. Lab.delo no 6;357-359 '64.

[illegible]

AGRICULTURAL MACHINERY [illegible]

[illegible]

AGRICULTURAL MACHINERY—ABSTRACTS

[illegible] agricultural machinery and equipment] [illegible]

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—DRAWINGS

[illegible]

AGRICULTURAL MACHINERY—DYNAMICS

[illegible]

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

[illegible] [illegible] would operate with [illegible] [illegible] [illegible] Izd-vo, [illegible] (DLC)

AGRICULTURAL MACHINERY—SAFETY MEASURES

[illegible]

AGRICULTURAL MACHINERY—STANDARDS

[illegible]

AGRICULTURAL MACHINERY—TESTING

[illegible]

AGRICULTURAL MACHINERY—[illegible]

[illegible]

AGRICULTURAL MACHINERY INDUSTRY see subdivision under [illegible]

AGRICULTURAL [illegible]

[illegible]

AGRICULTURAL POLICY
(see also subdivision under Hungary; United States)

[illegible]

AGRICULTURAL RESEARCH
(see also subdivision under [illegible], Moscow)

[illegible]

AGRICULTURAL WAGES see subdivision under Kursk Province

AGRICULTURAL WORKERS—EDUCATION AND TRAINING
(see also subdivision under [illegible] Province; [illegible] Province)

[illegible]

AGRICULTURE
(see also subdivision under China, [illegible], Kabardino-Balkar A.S.S.R., Kzyl-Orda Province)

[illegible]

[illegible]

Intensification in the general trend in developing agriculture. [illegible] 7 [illegible] '63.

Korolev, B.A. [Let us intensify our agriculture] Vesti khoziaistvo intensivno. Moskva, Izd-vo "Znanie," 1964. 32 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 11)

[illegible]

Small-scale commodity production in Russian Agriculture after the Reform of 1861. A. M. Anfimov. [illegible] Ap '63.

[illegible] Sel'skokhoziaistvennaia opytnaia stantsiia. [Discussions on row crop cultivation] [illegible] Izd-vo, 1964. 60 p. (Sel'skokhoziaistvennyi universitet na domu)
(DNAL)

AGRICULTURE—AUDITING AND INSPECTION see subdivision under [illegible] District

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—CONGRESSES

[illegible]

AGRICULTURE—COSTS

[illegible], and V. I. [illegible] Moskva, Izd-vo "Znanie," 1964. [illegible]

AGRICULTURE—ECONOMIC ASPECTS
(see also subdivision under Bulgaria, Kazakhstan, [illegible] District; [illegible], Western, White Russia)

[illegible]

[illegible] [A historical agricultural investments] Moskva, Izd-vo "Znanie," 1964. [illegible]

[illegible]

AGRICULTURE—EXPERIMENTATION

[illegible]

AGRICULTURE—FINANCE
(see also subdivision under [illegible] District; Voronezh Province)

[illegible]

AGRICULTURE—LABOR PRODUCTIVITY

[illegible] [Improve skills and raise productivity] [illegible] Izd-vo, 1963. [illegible]
(DNAL)

AGRICULTURE—STUDY AND TEACHING
(see also subdivision under Kurgan Province)

[illegible]

AGRICULTURE, COOPERATIVE
(see also subdivision under Kazakhstan)

[illegible]

AGRICULTURISTS see subdivision under Kirghizia

AHON ISLAND—ANTIQUITIES

The [illegible] archaeological [illegible] on the Ahon Island. [illegible]

AIR—POLLUTION
(see also subdivision under Kama Valley; Perm; Perm Province)

Distribution of impurities from a continuous point source in the presence of fog. [illegible]

AIR—PURIFICATION

[illegible]

AIR, IONIZED

[illegible] of the air and [illegible] Vest [illegible]

[illegible] air and unipolar aerosols. A. V. [illegible] 33 no. 6:1135-1139 Je '62

AIR, IONIZED—PHYSIOLOGICAL EFFECT

[illegible] blood coagulation [illegible] shock in [illegible] Kazakh. SSR Ser [illegible]

AIR, IONIZED—THERAPEUTIC USE

[illegible] hypertension with hydroaeroionization [illegible] Chilingarishvili, S. I. Aralov. [illegible] Gruz SSR 8,253-[illegible] '63

AIR CONDITIONING

[illegible] M. P. [illegible] article "Automation of [illegible] systems." G. I. Nudler. [illegible] 19 [illegible] 24-25 Je '64.

AIR FILTERS

[illegible] air cleaner. Mashinostroe-[illegible] '64.

AIR PREHEATERS

[illegible] gas and air speed in regenerative rotary air preheaters. V. D. Degtiarev. Teploenergetika 10 no. 10 [illegible] O '63

AIR WARFARE

[illegible] flight formation is speaking. [illegible] 47 no. 6 24-30 Je '64

[illegible] A. Babich. Av. i kosm. 47 [illegible] '64

[illegible] causes great harm. S. Komarov. [illegible] 4 no. 10 57 My '64.

AIRBORNE TROOPS

In the rear of the "enemy." A. Dobrovol'skii. Voen vest 42 no. 12 53 [illegible] D '62

On the right road. K. Kurochkin. Voen vest 42 no. 12 43 50 D '62

Skill, courage and daring. G. Kurochkin. Voen vest 42 no. 12 50 53 D '62

AIRPLANES—DESIGN AND CONSTRUCTION

Badiagin, A. A., and E. A. Ovrutskii. [Design of passenger airplanes taking into consideration the economic aspects of their operation] Proektirovanie passazhirskikh samoletov s uchetom ekonomiki ekspluatatsii. Moskva, Mashinostroenie, 1964. 294 p.

AIRPLANES—FUEL

Effect of the composition of the starting crude on the yield and quality of the component of aircraft B-95/130 fuel in catalytic cracking. S. V. Goncharov, I. S. Zhukov. Khim. i tekh. topl. i masel 7 no. 10:16-20 O '62.

Increasing the energy content of hydrocarbon fuels. A. R. Kostiakin, I. F. Florov, I. V. Shepotkov. Khim. i tekh. topl. i masel 7 no. 10,66-68 O '62.

AIRPLANES—MODELS

[Design and build aircraft models!] Proektirui, stroi aviatsionnye modeli! Sbornik statei. Moskva, Izd-vo DOSAAF.

No. 1 1963 145 p.

AIRPLANES—PILOTING

Piloting in recovering at high incidence. V. Kovalev, F. Skliarskii. Av. i kosm. 47 no. 7.67-74 Jl '64.

AIRPLANES—RAMJET ENGINES

[Physical principles of the working process in combustion chambers of ramjet engines] Fizicheskie osnovy rabochego protsessa v kamerakh sgoraniia vozdushnoreaktivnykh dvigatelei. [By] B. V. Raushenbakh i dr. Moskva, Mashinostroenie, 1964. 525 p.

AIRPLANES—TURBOJET ENGINES—FUEL

Characteristics of microcontaminants in middle-distillate fuels. IA. B. Chertkov and others. Khim. i tekh. topl. i masel 7 no. 10:56-59 O '62.

AIRPLANES, MILITARY—LANDING

Landing on ground. V. Tarasov. Av. i kosm. 46 no. 5; 22-25 My '64.

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

About my friend technician Khramov. A. Arbuzov. Av. i kosm. 46 no. 5:41-44 My '64.

Airplanes will be ready for training. N. Ushakov. Av. i kosm. 47 no. 7:75-78 Jl '64.

Periodicity of operational testing. T. Zholkover, I. Petrov, N. Potiukov. Av. i kosm. 46 no. 5:49-51 My '64.

Troubles of engineers and technicians. N. Kon'kov. Av. i kosm. 46 no. 5:29-33 My '64.

AIRPLANES, MILITARY—PILOTING

The group gains altitude. A. Kardail'skii. Av. i kosm. 47 no. 6 31-33 Je '64.

AIRPLANES, MILITARY—TAKE-OFF

Steering and take-off. N. Antiukhin. Av. i kosm. 46 no. 5:17-21 My '64

AIRPORTS

On a dusty airfield. IU. Kirpichev. Av. i kosm. 46 no. 5;26-29 My '64.

AKMOLINSK PROVINCE see Tselinograd Province

AKSENOV, ALEKSEI

Good fame. V. Bogdanov. Sov. voin 46 no. 11·13 Je '64.

AKTASH (TASHKENT PROVINCE)—CLIMATOLOGY, MEDICAL

Climatic characteristics of the Aktash Health Resort. G. P. Lazarenko. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17 54-66 '62

Climatotherapy in the compound treatment of patients with nonspecific pulmonary diseases. R. S. Baiburina. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17,67-71 '62

Therapeutic work of the Aktash Climatological Sanatorium during 1955-1959. R. Kirgizbaev. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:96-99 '62.

Treatment of hypertension and other disorders of the vascular tonus under conditions of the mountain climate at the Aktash Sanatorium. TS. M. Osovetskaia. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:72-83 '62.

AKTASH (TASHKENT PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.

Aktash Health Resort. IA. K. Muminov. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17;51-53 '62.

Exercise therapy in the compound x treatment of diseases of the respiratory organs at the Aktash Sanatorium. IU. N. Borodianskaia. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17 88-95 '62.

AKTASH (TASHKENT PROVINCE)—NERVOUS SYSTEM—DISEASES

Climatotherapy in the compound treatment of functional diseases of the nervous system. A. Akhrarov. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:84-87 '62

AKTYUBINSK PROVINCE—ESOPHAGUS—CANCER

Endemic pathology of esophagus cancer in Aktiubinsk Province. E. N. Grishin. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8·23-27 '62

AKTYUBINSK PROVINCE—MOLE RAT

Distribution and occurrence in various habitats of the mole rat Spalax giganteus Nehr. in the dry steppes of Aktyubinsk Province. V. K. Garbuzov. Zool. zhur. 43 no. 1 103-114 '64

ALAGEZ, MOUNT see Aragats, Mount

ALAKUL' DISTRICT—MYCOBACTERIUM TUBERCULOSIS

Characteristics of Mycobacterium tuberculosis isolated in a remote district in Alma-Ata Province. A. A. Klebanova, D. M. Shapiro, IA. A. Blagodarnyi. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2;85-89 '64.

ALANINE

Sulfanilides. Part 14: Nitriles of N-aryl sulfonyl-β-phenylalanine. Z. F. Solomko and others. Zhur. ob. khim. 34 no. 6;1964-1968 Je '64.

X-ray diffraction study to determine the structure of hydrochloric phenylalanine. B. K. Vainshtein, G. V. Gurskaia. Dokl. AN SSSR 156 no. 2 312-314 My '64.

ALASKA—EARTHQUAKES

Earthquake in Alaska. E. F. Savarenskii, S. A. Fedorov. Priroda 53 no. 7;116-117 '64

ALATAU, TERSKEI see Terskei Alatau

ALATAU, ZAILIYSKIY see Trans-Ili Alatau

ALAY RANGE—BUTTERFLIES

Swallowtail butterflies of the Tien Shan and of the Alay Range. I. V. Palii. Sbor. ent. rab. no. 2;58-62 '62.

ALBEDO

(see also subdivision under Black Sea)

Measuring the albedo of the sea. L. IU. Preobrazhenskii. Trudy GGO no. 150.116-119 '64

ALBITOPHYRES see subdivision under Georgia

ALBUMIN

Calorimetric study of the thermal denaturation of egg albumen. P. L. Privalov, D. R. Monaselidze. Trudy Inst. fiz. AN Gruz. SSR 9:201-209 '63.

Immunochemical characteristics of blood serum albumin in dogs during ontogenesis. A. V. Afanas'eva. Biul. eksp. biol. i med. 56 no. 8;54-57 Ag '63.

ALCHEVSKAYA, KHRISTINA DANILOVNA, 1841-1920

Life dedicated to the education of the people. O. H. Dzeverin. Rad. shk 43 no. 5·98-99 My '64

ALCOHOL

Obtaining higher fatty alcohols from low-melting [illegible] in the carbamide dewaxing of various [illegible] products. M. S. Lialteyna. Izv. vys. ucheb. [illegible] i gaz 7 no. 1:61 '64.

ALCOHOL—THERMAL PROPERTIES

Experimental investigation of the heat conductivity of normal alcohols. G. Kh. Mukhamedzianov, A. A. Tarzimanov, A. G. Usmanov. Izv. vys. ucheb. [illegible] neft' i gaz 7 no. 1:73-75 '64.

ALCOHOLOMETER

Glass alcoholmeter with weights. M. D. [illegible], [illegible] Tiutikova. Izm. tekh. no. 5:52-53 My '64.

ALCOHOLS

Addition of silane hydrides to acetylenic alcohols and their derivatives. S. I. Sadykh-zade, [illegible] E. M. Khalilova. Zhur. ob. khim. 34 no. 5 [illegible] My '64.

Course of the addition of alcohols and water to [illegible] hydrocarbons. B. S. Kupin, A. A. Petrov. Zhur. ob. khim. 34 no. 6;1807-1809 Je '64.

Disproportionation of hydrogen in the system [illegible] ethyl alcohol - isopropyl alcohol. [illegible] and others. Vest. LGU 19 no. 10.101-106 '64

Ketonization of primary alcohols. V. A. K[illegible] Maslov. Vest. LGU 19 no. 10 137-138 '64.

Oxidation and isomerization of secondary alcohols of the cycloaliphatic series. G. P. Kugatova-Shemiakina, V. I. Vidugirene. Zhur. ob. khim. 34 no. 6:17[illegible] Je '64.

Polyfunctional acetals. Synthesis of acetylenic acetals based on primary and secondary acetylenic alcohols and vinyl alkyl ethers. M. F. Shostakovskii, V. M. Vlasov, P. I. Gronovskii. Zhur. ob. khim. 34 [illegible] 1407 My '64

Preparation of 1,3-butadiene derivatives by pyrolysis of secondary alcohol acetates obtained on the basis of the condensation products of isoprene and [illegible] with unsaturated aldehydes. N. P. Sopov, M. [illegible] Zhur. ob. khim. 34 no. 5,1403-1406 My '64

Reduction of petroselinyl and erucyl alcohols by [illegible] aluminum hydride. G. V. Pigulevskii, A. [illegible] Zhur. ob. khim. 34 no. 5:1651-1655 My '64

Synthesis and investigation of organosilicon compounds with a bridge between silicon atoms. Part 4: Synthesis of dichlorotetraalkyl ethanes, acetylenic alcohols and derivatives based on them. V. P. Kuznetsova and others. Zhur. ob. khim. 34 no. 6:1804-1807 Je '64.

Vapor phase reduction of carbonyl compounds with alcohols. S. D. Mekhtiev, G. A. Narimanbekov. Dokl. AN Azerb SSR 20 no. 4;33-39 '64.

ALCOHOLS—THERMAL PROPERTIES

Experimental study of critical thermal currents in the boiling of a water and alcohol mixture. I. I. Chernobyl'skii, M. I. Pavlishchev. Izv. vys. ucheb. zav.; energ. [illegible] no. 8:113-116 Ag '62.

ALDAN VALLEY—BOSCHNIAKIA, FOSSIL

First discovery of fossil Boschniakia rossica (Cham. et Schlecht.) B. Fedtsch. in the U. S. S. R. M. N. Karavaev, V. R. Filin. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no. 2;53-56 Mr-Ap '62.

ALDEHYDES

Condensation of aldehydes and ketones. Part 11: Configuration of 4-R-2,3-cyclohexanobicyclo[3,3,1]-nonan-2-ol-9-ones. I. Pitiga, M. N. Tilichenko, V. G. Kharchenko. Zhur. ob. khim. 34 no. 6;1936-1938 Je '64.

Interaction of bromocyanoacetic ester with aromatic aldehydes in the Reformatskii and Widequist reactions. N. S. Vul'fson, F. G. Zhurina, L. B. SenIavina. Dokl. AN SSSR 157 no. 3,603-606 Jl '64.

Synthesis of carbonyl monomers based on Mannich reaction. Part 6 Synthesis of pentadienals. G. S. Mir[illegible] M. I. Farberov, I. I. Bespalova. Zhur. ob. khim. 34 no. 5,1642-1645 My '64.

ALDEHYDES—THERMODYNAMICS

Thermodynamic properties of some aldehydes, ketones, and carboxylic acids. A. A. Antonov, P. G. Maslov. Zhur. fiz. khim. 38 no. 3;600-605 Mr '64.

ALDEHYDES, EFFECT OF RADIATION ON

Electron paramagnetic resonance study of the structure and behavior of radicals arising under the effect of γ-, β, and ultraviolet rays on acetaldehyde and formaldehyde. V. I. Smirnova and others. Zhur. fiz. khim. 38 no. 3;742-745 Mr '64.

ALDOLASE

Aldolase activity in a myopathy in children. F. E. Gorbacheva. Zhur. nevr. i psikh. 63 no. 7:958-960 '63.

ALEKSEEV, PROKOPII VASIL'EVICH, 1872-

A present for Il'ich. O. Chistovskii. Sov. voin 46 no. 11 20 Je '64.

ALEKSEYEVKA (LYUBINSKIY DISTRICT)—SAVINGS BANKS

Workers' savings are increasing. IA. Kurenev. Den. i kred. 22 no. 6;63 Je '64.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Metalation and isomerization of vinylalkyl acetylenes in the action of alkali metal amides in liquid ammonia. [illegible] Zhur. ob. khim. 34 no.[illegible] 1021 Je '64.

ALKALI METAL NITRATES

[illegible]

ALKALI METALS

[illegible] during the course of selective corrosion of [illegible] in liquid metal media. V. I. Nikitin. Izv. [illegible] Je '64.

ALKALI METALS—ANALYSIS

[illegible] [Determination of [illegible] in natural waters [illegible]] [illegible] Moskva, 1963. 10 p. [illegible]

ALKALIES

[illegible]

ALKALOIDS

[illegible]

[illegible] see [illegible]

[illegible]

[illegible]

[illegible]—TESTING

[illegible]

ALKYLATION

[illegible]

ALL-UNION COMMUNIST PARTY (BOLSHEVIKS) see Communist Party of the Soviet Union

ALLELOPATHY

[illegible] A. M. [illegible] '64.

ALLERGY

[illegible]

[illegible]

Experimental allergic encephalomyelitis. Morphology of the central nervous and thymicolymphatic systems. [illegible] Vest. AMN SSSR [illegible] '64.

Immunobiological reactivity of the organism in tick-borne encephalitis. A. A. Stefkovich. Trudy TomNIIVS 14: [illegible] '64.

Importance of the endogenous antigen in allergic diagnosis of tick-borne encephalitis. A. A. Stefkovich, V. I. [illegible] Trudy TomNIIVS 14:24-28 '64.

Pathogenesis and treatment of acute pancreatitis. M. N. Molodenkov. Khirurgiia 40 no.2:72-80 F '64.

[illegible]

Skin allergic tests in epidermophytosis complicated and uncomplicated by yeasts. P. I. Dzhumagulova. Izv. AN Kazakh.SSR Ser. med. nauk 11 no.2 [illegible] '64.

ALLIUM

Study of the polyembryony in the genus of Allium L. [illegible] '64.

ALLOYS

Physical basis of properties of [illegible] alloys in the [illegible] Izv. AN SSSR [illegible] '64.

[illegible] for thermal diffusion in [illegible] solutions. [illegible] Zhur. fiz. khim. 38 no.[illegible] Mr '64.

[illegible]

ALLOYS—CORROSION

[illegible] during the course of selective corrosion of alloys in liquid metal media. V. I. Nikitin. [illegible] '64.

ALLOYS—METALLOGRAPHY

Recrystallization of different-phase alloys. M. V. [illegible] '64.

ALLUVIUM

[illegible]

ALMA-ATA—CANCER—PREVENTION

[illegible] preventive medical examination of the residents of Alma-Ata, November 10-25, 1960. A. N. [illegible] Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:31-34 '62.

ALMA-ATA—MACHINERY INDUSTRY

Shaft and ball specialization. [illegible] Nar. khoz. Kazakh. [illegible] Mr '64.

ALMA-ATA—MEDICAL SCREENING

[illegible] medical examination of the residents of Alma-Ata, November 10-25, 1960. A. N. [illegible] Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:31-34 '62.

ALMA-ATA—METEOROLOGY

[illegible] in Alma-Ata. [illegible] '64.

ALMA-ATA—OZONE

[illegible] general content of ozone [illegible] in Alma-Ata. Trudy [illegible] no.151:[illegible] '64.

ALMA-ATA—PRECAST CONCRETE CONSTRUCTION

[illegible] large panel apartment houses. [illegible] '64.

ALMA-ATA—SAVINGS BANKS

[illegible] L. [illegible] Den. i kred. 22 no.6:81-83 Je '64.

ALMA-ATA—STOMACH—CANCER

Cancer of the stomach. [illegible] Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8:31-35 '62.

ALMA-ATA PROVINCE—FOXES—FEEDING AND FEEDS

Feeding silver-black foxes on the fur farm of the "[illegible]" Collective Farm in Alma-Ata Province. P. A. [illegible], G. L. [illegible] Vest. sel'khoz. nauki [Kazakh.] 7 no.2:85-88 F '64.

ALMA-ATA PROVINCE—MANUFACTURES

It should be always this way: Decision taken should be a decision carried out. P. [illegible] Nar. khoz. Kazakh. [illegible] no.3:33-36 Mr '64.

ALMA ATA PROVINCE—MONEY

[illegible]

ALMA ATA PROVINCE—SOYBEAN

[illegible] systems [illegible]

ALMA ATA PROVINCE—SPRUCE

[illegible] 104 Je

ALMALYK (UZBEKISTAN)—CIVIL DEFENSE

[illegible] 40 [illegible]

ALPHA RAYS

[illegible] for continuous measurement [illegible] Izm tekh. [illegible] My '64

[illegible] specific energy loss into [illegible] alpha irradiation [illegible] Radiobiologiia 3 no 6 915-[illegible]

ALPHA RAYS—SCATTERING

[illegible] S.V [illegible] Atom energ. 17 [illegible]

ALPINE FLORA see subdivision under Aragats, Mount

ALTAI MOUNTAINS—DIKES (GEOLOGY)

[illegible] regional zones of origin in the [illegible] Vest AN [illegible] Ag '63

ALTAI MOUNTAINS—IRON ORES

Vakhrushev, V.A. [Mineralogy and genesis of the iron ores of Beloretsk deposits in the Altai Mountains] Mineralogiia i genezis zheleznykh rud Beloretskogo mestorozhdeniia na Altae. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1960. 94 p. (MIRA [illegible])

ALTAI MOUNTAINS—SPESSARTITE

[illegible] in the regional zones of crush in the [illegible] Vest AN [illegible] Ag '63

ALTAI TERRITORY—ANTIQUITIES

A recently discovered monument of the Bronze Age culture near Novoaleksandrovka Village (Altai Territory) V.M. Zimina, O.M. Adamenko. Izv. [illegible] no 9, Ser obshchestv. nauk no 3:53-59 '63

ALTAI TERRITORY—LAND—CLASSIFICATION

[illegible] of land utilization. M. Borodaenko. Ekon selkhoz. 35 no 1:99-103 Ja '64

ALTAI TERRITORY—PASTURES AND MEADOWS

[illegible] of the natural forage area in the Altai [illegible] by the "Put' Lenina" State Farm. [illegible] Trudy TSSBS no 6:398-[illegible]

[illegible] of hayfields with Puccinellia distans L. [illegible] grass on saline lands. A.F. Ugriumov. Trudy TSSBS no. 6 425-429 '63.

[illegible] meadows and grass marshes of the forest-steppe and steppe zones of the Altai Territory and Novosibirsk Province. N.V. Loguterko. Trudy TSSBS no. 6 329-333 '63.

Natural forage lands and their use in the steppe and forest-steppe regions of Novosibirsk Province and the Altai Territory. I.P. Raiskii. Trudy TSSBS no. 6. [illegible]

Natural forage lands of the steppe and forest-steppe of the Altai Territory and their improvement. M.M. [illegible] Trudy TSSBS no. 6 355-362 '63

ALTITUDE, INFLUENCE OF see subdivision under Georgia

ALUMINOSILICATES

Intensification of the oxidizing regeneration of aluminosilicate catalysts in a fluidized bed. V.A. Basov, Y.Kh. Malik-Akhnazarov, D.I. Orochko. Khim. prom. no. 4 283-289 Ap '64.

Nekhoroshev, A.V. [Method of preparing artificial aluminosilicate ("glian") products] Sposob proizvodstva iskusstvennykh aliumosilikatnykh (glianovykh) izdelii. Ioshkar-Ola, Povolzhskii lesotekhn. in-t, 1961. 15 p. (Tekhnicheskaia informatsiia)

ALUMINUM

Complexometric determination of aluminum. Z.N. Tashkhova. Apt. delo 12 no. 2:77-78 Mr-Ap '63.

Dissolution potentials of aluminum in electrolytes for chemical polishing. V.A. Dmitriev. Zhur. fiz. khim. 36 no 6:1375-1376 Je '62.

ALUMINUM—WELDING

Talts, B.L. [Modern techniques and equipment for the arc welding of aluminum structures] Sovremennaia tekhnologiia i oborudovanie dlia dugovoi svarki aliuminievykh konstruktsii, stenogramma lektsii. Leningrad, 1964 41 p (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Svarka, rezka, paika metallov)

ALUMINUM ALLOYS

Antifriction aluminum alloys and the "Al'kusip" alloy. A D Kurtsyna Mashinostroitel' no 4 39-40 Ap '64

Deoxidation of open-hearth steel with ferrosilicoaluminum. A.G. Gabisiani and others. Soob. AN Gruz. SSR 33 no. 1 167-174 Ja '64.

ALUMINUM ALLOYS—CORROSION

Protecting aluminum alloys from corrosion in aqueous alkaline solutions by means of inhibitors. V.F. Negreev, A.M. Kiazimov, Z M. Salam-Zade. Dokl AN Azerb. SSR 20 no 3.27-30 '64.

ALUMINUM ALLOYS—METALLOGRAPHY

Effect of iron on the formation of a macrocrystalline rim in aluminum alloys. S.S Gorelik, V. P Kozlovskaia, L A Tomilova Metalloved. i term obr. met. no. 6 5-8 Je '64

ALUMINUM ALLOYS—WELDING

Levitin, B.S., and G.A. Vorontsov. [Use of aluminum alloys in crane metal structures] Primenenie aliuminievykh splavov v kranovykh metallokonstruktsiiakh. Moskva, Mashinostroenie, 1964. 191 p.

ALUMINUM CHLORIDE

Orienting effect in the methylation of benzene by methyl chloride in the presence of aluminum chloride. V. V Molchanova, V G. Pitusnin, I. A. Alekseeva Izv. Sib otd AN SSSR no 3:80-83 '62.

ALUMINUM FLUORIDE

X-ray diffraction study of fluoride films on aluminum. N.S. Fedorova. Zhur. fiz khim. 37 no.4:883-885 Ap '63.

ALUMINUM FOUNDING

Airtight foundry alloy in the system Al - Si - Mg M. B Al'tman, N S Postnikov, L. I. Loktionova. Metalloved. i term obr. met. no. 6 15-18 Je '64.

ALUMINUM INDUSTRY see subdivision under Volgograd

ALUMINUM LITHIUM HYDRIDE

Reduction of oleic acid oxide and oleyl alcohol oxide by lithium aluminum hydride G V. Pigulevskii, A E Sokolova Zhur ob khim 34 no. 5,1647-1651 My '64

Reduction of petroselinyl and erucyl alcohols by lithium aluminum hydride G V Pigulevskii, A. E Sokolova Zhur ob khim 34 no 5 1651-1655 My '64

ALUMINUM ORES see subdivision under Dzhezkazgan region (Karaganda Province)

ALUMINUM OXIDE

Application of infrared spectroscopy for the study of the reaction of water with the surface of aluminum oxide. A. V. Uvarov Zhur. fiz. khim. 36 no. 6;1346-1349 Je '62.

Dielectric losses in powdered aluminum oxide. V.Z. Ditchuk. Pratsi Od. un. 150 Zbir. stud. rob. no. 6; 97-100 '60.

Preparation of aluminum oxide dihydrate. E. A. Bulashevich, S S Tolkachev Vest LGU 19 no 10 123-124 '64

Preparation of granulated active aluminum oxide. E. I Dalmats'ka, M B. Zelikin Khim prom. [Ukr.] no 1· 24-28 Ja-Mr '63.

ALUMINUM OXIDE, EFFECT OF RADIATION ON

Effect of radiation on the adsorptive and catalytic properties of aluminum oxide G V TSitsishvili, Sh I Sidamonidze Soob. AN Gruz SSR 31 no 3,575-576 S '63

ALUMINUM-SILICON-MAGNESIUM ALLOYS—METALLOGRAPHY

Airtight foundry alloy in the system Al - Si - Mg. M. B. Al'tman, N. S. Postnikov, L. I. Loktionova. Metalloved. i term. obr. met. no. 6:15-18 Je '64.

ALUNITE

Selecting the method of extraction of gallium during the process of a complex treatment of alunites G. B. Shakhtakhtinskii, E A. Dzhafarov, G A. Shakarov Dokl AN Azerb SSR 20 no 4·39-43 '64

AMALGAMS

Behavior of indium in polymetallic amalgams. A. T. Nizhnik, T. T. Mitiureva. Zhur. prikl. khim 37 no. 5:1042-1044 My '64.

Effect of the acidity of solution on the electrode processes on a bismuth amalgam electrode. V. V. Losev, V. V. Gorodetskii. Zhur. fiz. khim. 37 no. 4:842-849 Ap '63.

Separation of magnesium isotopes in the system magnesium amalgam - aqueous solution of $MgCl_2$. A. V. Kravchenko, V. S. Rylov. Zhur. fiz. khim. 37 no. 4; 910-912 Ap '63.

AMATEUR RADIO STATIONS

(see also subdivision under Europe)

CQ SSB. Radio no. 3:16-17 Mr. '64.

Friends meet again. G. Bezymenskii, D. [illegible] no. 3:18-19 Mr '64.

Shortwave radio transmitter-receiver. IA. [illegible] Radio no. 3:23-25 Mr '64.

Ultrashort waves. Radio no. 3:14-15 Mr '64

AMATEUR THEATRICALS

Streams of the people's art. Sov. shakht. [illegible] 31 Ja '63.

AMBER—ABSORPTION SPECTRA

Infrared absorption spectra of Baltic amber [illegible] Sovkevich, I. A. Shaka. Zhur. prikl. khim. 37 [illegible] 1120-1122 My '64.

AMERICIUM COMPOUNDS

Complex formation of americium with acid organic phosphorus compounds. V. I Zemlianukhin, G. P. [illegible] M. F. Pushlenkov. Radiokhimiia 6 no [illegible]

AMETHYST CRYSTALS

Nature of the biaxiality of synthetic amethyst crystals. N. M. Melankholin, L. I. TSinobor. Kristallografiia 8 no. 1:110-112 Ja-F '63.

AMGA VALLEY—BOTANY—ECOLOGY

Polygonal steppes of the Amga Valley, their soils, vegetation and origin. V. N. Kuvaev, V. P. Samarin [illegible] MOIP, Otd. biol. 69 no. 3:98-100 My-Je '64

AMGA VALLEY—SOILS

Polygonal steppes of the Amga Valley, their soils, vegetation and origin. V. N. Kuvaev, V. P. Samarin [illegible] MOIP, Otd. biol. 69 no. 3:98-100 My-Je '64

AMIDES

Arenesulfonyl-N-(benzoylformyl)amides. [illegible] strov, V. L. Dubina. Zhur. ob. khim. 34 no. 6 1076-1079 Je '64.

Study of molecular interaction as applied to the analysis of hydrocarbon mixtures. Part 1: Diethylamides and tetraethylamides of some carboxylic and dicarboxylic acids as stationary phases. F. F. Cheshko, V. [illegible] Zhur. ob. khim 34 no. 6:1843-1848 Je '64.

AMINATION

Derivatives of cyclic acetals. Part 2: Cyclic dialkyl aminoacetals and their iodomethylates. [illegible] S. A. Sarkisiants, E. G. Ivaniuk. Zhur. ob. khim. 34 no. 6:1945-1948 Je '64

AMINES

Cyanoethylation of acetylenic amines. I. A. [illegible] K. A. Kononova. Zhur. ob. khim. 34 no. 6:2090 Je '64.

Kinetics of the reactions of amine with hydroperoxides. Part 1: Reaction of cumene hydroperoxide with [illegible] ethanolamine N. M. Beileryan, S. K. Grigorian [illegible] Chaltykian Izv. AN Arm. SSR. Khim. nauki 17 [illegible] 245-254 '64.

Kinetics of the reactions of amines with hydroperoxides. Part 2: Effect of potassium hydroxide on the rate of the reaction cumene hydroperoxide - triethanolamine. N. M. Beileryan, S. K. Grigorian, O. A. Chaltykian. Izv AN Arm. SSR. Khim nauki 17 no. 3:[illegible] '64

Mechanism of the reaction of addition of aromatic and some heterocyclic amines to methyl acrylate. [illegible] trusis, A. Maciulis. Trudy AN Lit. SSR. Ser. B [illegible] 163-169 '64.

New data on the sensitized formation of cation radicals in the low temperature radiolysis of films containing aromatic amines. R. I. Milliutinskaia, Kh. S. Bagdasar'ian. Zhur. fiz. khim. 38 no. 3:776-779 Mr '64.

Reaction in which the nitroso group is cleaved off from aliphatic-aromatic nitrosamines. B. A. Porai-Koshits and others. Dokl. AN SSSR 157 no. 3:629-631 Jl '64

Reaction of diphenyliodonium fluoborides with aliphatic amines O. A. Ptitsyna, G. G. Lialiev, O. A. Reutov Dokl. AN SSSR 157 no. 2:364-366 Jl '64.

Reactions of pyridinium salts. Part 3: Interaction of bromocyanides of pyridinium bases with amines. A. F. Vompe and others. Zhur. ob. khim. 34 no. 6:1758-1773 Je '64.

Relation of the mutagenic effect of 2-chloroalkyl amines to the structure of their functional groups and radicals. S. I. Alikhanian, M. G. Oganesian. Vest. AMN SSSR 19 no. 1:72-84 '64.

Series of pyran, its analogs and related compounds. Part 6: Interaction of the derivatives of 4,4-dichloro chromene-2-dicarboxylic acid with aromatic amines. V. A. Zagorskii, I. D. TSvetkova, E. K. Orlova. Zhur. ob. khim. 34 no. 6:2011-2017 Je '64.

Transformations of disulfonyl chlorides. Part 1: Interaction of alkanedisulfonyl chlorides with phenols and aromatic amines containing a halogen and a nitro group. G. T. Esaian, E. E. Oganesian, E. L. Asoian. Izv AN Arm SSR. Khim. nauki 17 no. 3:339-344 '64.

AMINO ACID METABOLISM

Change in the content of some amino acids in the blood and urine under the influence of low temperature and ionizing radiations. IU. K. Lodentsov, E. M. Lerichowa Biul. eksp. biol. i med. 56 no. 8:60-64 Ag '63.

AMINO ACIDS

Biosynthesis of amino acids from the glyoxylic acid in oilseed plants. E.A.Morgunova, Z.G.Evstigneeva, V.L.Kretovich. Dokl. AN SSSR 156 no. 2 467-470 My '64.

Correlation among free amino acids in the grain and the straw of soft wheat. B.P Pleshkov, E.M Savickaite, A.Jasaitis. Izv.TSKHA no. 5:100-105 '63.

Derivatives of acridine. Part 4: Synthesis of N^{α}-9-(6-chloro-2-methoxy) acridyl-α-amino acids L B Radina and others Zhur.ob khim 34 no. 5 1543-1545 My '64.

Effect of group B vitamins on the free amino acids of some yeast species of the genus Candida M A Ter-Karapetian, E.N.Makarova. Izv.AN Arm SSR, Biol. nauki 17 no.1:27-36 Ja '64

Formation and distribution of amino acids in an Actinomyces levoris 2789 culture according to developmental phases. V N.Shaposhnikov and others Dokl AN SSSR 157 no 3 661-663 Jl '64

Free amino acid content in some varieties of honey originating from a single type of flowers. T.IA. Solov'eva, V.I.Bazarova. Vop pit 22 no 6 66-70 N-D '63

Nature of the spectra of electron paramagnetic resonance of amino acids and proteins subjected to γ-irradiation and light M K Pulatova, O.A Azizova Biofizika 9 no 1:33-39 '64

Phosphine derivatives of amino acids and peptides. K.T. Poroshin, V.K.Burichenko. Dokl. AN SSSR 156 no. 2 386-388 My '64.

Reaction of α-amino acids with acrylamide P F.Butskus, A.I Butskene Zhur ob khim 34 no 5 1407-1409 My '64

Synthesis of ω-amino acids of the cyclohexane series. Part 1: Cis- and trans-β-(4-aminocyclohexyl)propionic acids I.D.Pletneva, R.S.Muromova, I.V.Pervukhina. Zhur.ob.khim. 34 no 6:1615-1617 Je '64.

Synthesis of hydrazides of natural α-amino acids. Part 1. N'-substituted hydrazides of some natural α-amino acids N.M Khvorova, Z.V.Pushkareva, L B Radina. Zhur ob khim 34 no 5:1409-1412 My '64.

AMINO ACIDS, EFFECT OF RADIATION ON

Radiolytic properties of amino acids and peptides V.A. Sharpatyi and others Dokl.AN SSSR 157 no. 3 660-663 Jl '64

AMINO COMPOUNDS

Preparation of esters of orotylamino acids and salts of orotic acid with amino compounds. T S Safonova, L A Myshkina. Zhur.ob.khim 34 no. 5 1682 My '64.

AMINOPYRINE

Phase diagrams of ternary liquid systems containing two binary demixing areas with differently oriented critical points. Part 3: Demixing in the systems pyramidon - water - succinic acid nitrile and pyramidon - water - phenylhydrazine. E.F.Zhuravlev. Zhur.ob.khim. 34 no.6:1710-1716 Je '64.

Synthesis of analogs of antipyrine and pyramidon. M.N.Shchukina, E S Golombik, G.S Predvoditelova. Zhur ob khim. 34 no 5:1605-1608 My '64.

AMITOSIS

Amitotic cell division in sugar beets. N.E.Zaikovskaia. Agrobiologiia no.3:459-461 My-Je '64

AMMINES—ELECTRIC PROPERTIES

Determination of the conductivity of chloropentammine chromichlorides. IU.I.Bratushko, T.B.Lutsiuk, IU.P. Nazarenko. Dop.AN URSR no.6:795-798 '63.

AMMONIA

Decomposition of ammonia by γ-rays. IU.A.Sorokin, S.IA.Pshezhetskii. Zhur.fiz.khim. 38 no.3:798-801 Mr '64.

Phase and volume relations in the system adiponitrile - ammonia. G.D.Efremova, R.O.Priantkova. Zhur.fiz. khim. 38 no.3:686-691 Mr '64.

Reduction of nitrite into ammonia induced by ascorbic acid. A.A.Gurevich, I.N.Trubachev. Dokl. AN SSSR 157 no.2:467-468 Jl '64.

AMMONIA IN THE BODY

Study of the paths of ammonia formation and its elimination in the myocardium in experimental thyrotoxicosis. N.D.Tabatadze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:315-319 '63.

AMMONIUM COMPOUNDS

Pharmacological characteristics of xylocholine and bretylium, sympatholytic preparations of a new type of action. V. M. Avakian. Izv.AN Arm.SSR.Biol.nauki 16 no.2:31-40 F '63.

AMMONIUM FLUOBERYLLATE CRYSTALS

Detection of the domain structure in ammonium fluoberyllate crystals. S.D.Toshev. Kristallografiia 8 no.1: 114-116 Ja-F '63.

AMMONIUM FLUORIDES

Density and viscosity of some melts of the system NH_4F - HF I.A Semerikova, A.F Alabyshev Zhur. fiz.khim 36 no 6:1341-1344 Je '62.

Physicochemical study of the interaction of iodine pentoxide with ammonium fluoride A A Opalovskii, Z.M.Kuznetsova. Izv.Sib otd.AN SSSR no 3:64-69 '62.

AMMONIUM PHOSPHATES

Ammonium polyphosphates L.V.Kubasova Zhur. prikl.khim 37 no 5:955-959 My '64

Crystallization of ammonium phosphate. I.M.Byteva. Krist.zhid. no.2.26-31 '63

AMMONOIDEA

(see also subdivision under Olenek Valley; Sikhote-Alin' Range; Soviet Central Asia; Turkey)

Methods of the study and description of ammonoids. V.E.Ruzhentsev. Paleont zhur. no 1:120-130 '64

Migration of Jurassic ammonites. N.G.Khimshiashvili. Trudy Inst.paleobiol.AN Gruz.SSR 7:3-14 '62.

AMMONOLYSIS

Ammonolysis of methyl (1,1,1,2,3,3-hexafluoropropyl) dichlorosilane D IA Zhinkin, G N Mal'nova Zhur ob khim 34 no 5:1477-1478 My '64

AMMUNITION

Inspection, repair and preparation of ammunition. V Kondakov. Tekh.i vooruzh. no.6:50-55 Je '64

AMNESIA

Memory disturbances in cerebrovascular disorders of the vertebro-basilar system. D.K.Lunev, G A.Maksudov, I.F.Nikolaeva. Zhur.nevr i psikh. 64 no.5:641-646 '64

AMOBARBITAL SODIUM—PHYSIOLOGICAL EFFECT

Functional changes of a nerve under the influence of amobarbital sodium. E.A.Guseva Nerv.sist. no.3: 90-94 '62.

AMPHIBIA

Development, origin and homology of choanae and choanal canal in Amphibia I M Medvedeva Trudy Zool inst 33 173-211 '64.

AMPHIBIA—EMBRYOLOGY see Embryology—Amphibia

AMPLIFIERS, ELECTRON-TUBE

Analysis of direct current amplifiers with signal conversion. R D.Baglai. Izv.Sib.otd AN SSSR no 3:30-34 '62.

Linearized equation of an electronic relay-type amplifier with aperiodic feedback. B.G.Smirnov. Izv vys. ucheb.zav.; elektromekh. 7 no.6:730-736 '64.

AMPLIFIERS (ELECTRONICS)

Average capacitance of the X p-n junction in a parametric amplifier with sinusoidal pumping current S.V Dedkov. Radiotekh i elektron. 9 no.6 1090-1092 Je '64.

Basic characteristics of quantum paramagnetic amplifiers. Kh.V.Khinrikus, A.V.Kubarev. Izm.tekh. no.5:25-29 My '64.

Ditrikh, K.F. [Tuned amplifiers; lectures] Rezonansnye usiliteli; lektsii. Leningrad, Leningr. in-t aviatsionnogo priborostroeniia, 1963. 75 p.
[MICROFILM]

Excitation of harmonics in the pumping space of electronic parametric amplifiers. E I Vasil'ev V.M.Lopukhin. Radiotekh.i elektron. 9 no.6:1087-1090 Je '64

Noise in an amplifier with parallel feedback. A.S. Eremin. Radiotekh.i elektron 9 no.5:7[illegible]-733 My '64.

Resonator-type parametric amplifier and generator. V.N.Lugovoi. Radiotekh.i elektron. 9 no.4.596-606 Ap '64.

AMPUTATION STUMP

Elongation of a short shoulder stump. A.N.Keier. Ortop., travm.i protez. 24 no.12:53-55 D '63

Indications for surgery on the fibula in the leg stump. L.S.Kofman. Ortop., travm.i protez. 24 no.12:20-24 D '63.

AMU DARYA—OIL FIELD BRINES

Chemical characteristics of the underground waters of the Mesozoic sediments of Kerkidag. V.V.Kolodii. Trudy Turk.fil.VNII no.6:3-5 '63.

AMUNDSEN, ROALD, 1872-1928

The Amundsen rescue story. Nov.vrem. 21 no.26:23-26 Je '64.

AMUR PROVINCE—PUBLIC HEALTH

Amur (Province) Otdel zdravookhraneniia. [Public health in Amur Province; collection of articles] Zdravookhranenie Amurskoi oblasti; sbornik statei. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 236 p.
(DNLM)

AMUR VAL[illegible]

[illegible] Valley. [illegible] '64.

AMUR VALLEY—TREES—WOUNDS AND INJURIES

Hypertrophy of the leaves of injured woody plants and some characteristics of this phenomenon. IU.S. Prozorov. Izv.vys.ucheb.zav., les zhur. 6 no.6: 46-50 '63.

ANALEPTICS

Antinarcotic action of analeptics in radiation sickness V N Patalova Farm i toks. 26 no 1 84-91 Ja-F '63

Relationship between the dose of Dl- and D-cycloserine and the effect on the convulsive action of some analeptics N.M Smol'nikova, G IA Kivman Farm i toks 26 no 1:17-22 Ja-F '63.

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANAPHYLAXIS

Changes in the functional state of some sections of the central nervous system in anaphylactic shock in rats I S Gushchin Pat fiziol i eksp terap 7 no 6 10-16 N-D '63

Effect of aeroions on the change in blood coagulation during the sensibilization and anaphylactic shock in rabbits. G.K.Trofimov. Izv AN Kazakh.SSR.Ser. med nauk no 1,43-49 '64

Role of the higher sections of the central nervous system in inhibiting the local allergic reaction; the Arthus-Sakharov phenomenon V I.Luk'ianenko, B.A.Elerov, S.M.Kuznetsov. Vest.Mosk.un.Ser.6: Biol., pochv 17 no 2:24-28 Mr-Ap '62.

ANASTASIYEVKA-TROITSKOYE OIL FIELD—GAS, NATURAL—GEOLOGY

Conditions governing the formation of the large oil and gas pools in the Anastasiyevka-Krasnodar anticlinal zone. V.V.Kotseruba, S.P.Mushenko. Neftegaz.geol. i geofiz. no.11.16-21 '63.

ANASTASIYEVKA-TROITSKOYE OIL FIELD—PETROLEUM GEOLOGY

Conditions governing the formation of the large oil and gas pools in the Anastasiyevka-Krasnodar anticlinal zone. V.V.Kotseruba, S.P Mushenko. Neftegaz.geol. i geofiz. no.11:16-21 '63.

ANATOMY, COMPARATIVE

Beklemishev, V.N. [Principles of the comparative anatomy of invertebrates] Osnovy sravnitel'noi anatomii bespozvonochnykh. Izd. 3., perer. i dop. v dvukh tomakh. Moskva, Izd-vo "Nauka."
Vol.1. [Promorphology] Promorfologiia. 1964. 431 p.

ANATOMY, HUMAN

Lindenbraten, L.D., ed. [Variations and anomalies in the development of organs and systems in man in X-ray observations] Varianty i anomalii razvitiia organov i sistem cheloveka v rentgenovskom izobrazhenii; nauchno-metodicheskoe posobie. Moskva, Gos. izd-vo med. lit-ry, 1963. 1 v.

ANATOMY, PATHOLOGICAL

(see also subdivision under Moldavia)

Work of the Moscow Society of Pathoanatomists from September through December 1962. N.A.Kraevskii, M.A.Sapozhnikova. Arkh.pat. 25 no.10:71-76 '63.

ANCHORAGE

(see also subdivision under Kaliningrad)

Stresses originating during the approach of vessels to the mooring bollards of locks. F M.Shikhiev, V IU Mazur. Trudy Otd energ Dag.fil.AN SSSR 1 no 1 13-24 '62.

Study of resilient bollards. V.M.Isai. Trudy Otd energ Dag.fil.AN SSSR 1 no 1 45-49 '62

Using rubber protective equipment for moorings. M.I. Pritsker. Transp.stroi. 13 no.12:66-68 D '63.

ANDAMAN SEA—MARINE FAUNA

Quantitative distribution and tropical zoning of the bottom fauna in the Bay of Bengal and the Andaman Sea M.N. Sokolova, F.A Pasternak. Trudy Inst.okean 64.271-296 '64.

ANDAMAN SEA—MARINE SEDIMENTS

Structure and thickness of the sedimentary layer in the Bay of Bengal and the Arabian and Andaman Seas IU.P.Neprochnov Trudy Inst.okean. 64 214-226 '64.

ANDIZHAN PROVINCE—COTTON BREEDING

Cotton breeding at the Andizhan Province Agricultural Experiment Station. V.IA.Butkova. Agrobiologiia no.3:358-363 My-Je '64.

ANDREYEVSKIY DISTRICT—PASTURES AND MEADOWS

Vegetation of the Solonetz-Solonchak complex of northern Kulunda, its condition and the methods for its efficient use and improvement. E.V.Vandakurova. Trudy TSSBS no.6:188-210 '63.

ANDRUSHEVKA DISTRICT—AGRICULTURE—AUDITING AND INSPECTION

Work practice of State Bank branches is in contact with the Committee for Party and State Control N Vitkovskii Den i kred 22 no 7:42-44 Jl '64 [illegible], F. [Red [illegible] diseases, anemias, ery- [illegible]] [illegible] anemiia ir eritre- [illegible] 1964. 110 p. [L. I [illegible]] (NLM)

ANEMIA—PREVENTION

[illegible]

ANESTHESIA

[illegible] and striated [illegible] 9 37-53 Ag '63.

[illegible]

ANESTHESIA—COMPLICATIONS AND SEQUELAE

[illegible] in modern anesthesia I S [illegible], G A [illegible], V A Mikhel'son [illegible] 2:141-145 F '64

ANESTHESIA IN OBSTETRICS

[illegible]sser, K M [Nitrous oxide analgesia in obstetric and gynecologic practice] Anal'geziia zakis'iu azota v akusherskoi ginekologicheskoi praktike Moskva, Meditsina, 1964 134 p (DNLM)

ANESTHESIOLOGY

[illegible] base equilibrium in certain forms [illegible] I P [illegible] A I [illegible] 10 75-[illegible] O '63

[illegible] Anesthesiologi- [illegible] Surgical Society V A Mi- [illegible] 10 155-158 O '63

[illegible]aia konferentsiia khirurgov travmatologov i anesteziologov 2d, Baku, 1961 [Transactions of the Second All-Union Conference of Surgeons, Traumatologists and Anesthesiologists] Trudy konferentsii Moskva, Medgiz, 1963. 383 p (DNLM)

ANEURYSMS

Case [illegible] aneurysm of the [illegible] hydrocephalus [illegible] 64 no 5 661-664

ANGINA PECTORIS

Clinical aspect and diagnosis of a pseudoabdominal form of angina pectoris and myocardial infarction N B. [illegible] Trudy Inst. klin i eksper kard. AN Gruz. SSR 8 337-353 '63

Electrocardiographic and electroencephalographic data in the case of angina pectoris. O M. Bregadze. Soob. AN Gruz SSR 31 no 2;493 Ag '63

Results of surgical treatment of stenocardia. V.I. Kolesov, A I Drevina. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:667-672 '63

ANGIOGRAPHY

Angiographic data on the lower extremities in atherosclerosis S S Ivanov Vest. rent i rad 38 no. 3 73 76 My-Je '63

Evaluation of arteriographic data in open fractures of the bones of the extremities N S Kostin Vest rent i rad 38 no 3 35-39 My-Je '63.

ANGIOSPERMS

Poddubnaia-Arnol'di, V.A. [General embryology of angiosperms] Obshchaia embriologiia pokrytosemennykh rastenii. Moskva, Izd-vo "Nauka," 1964. 481 p.

Relation between natural and phylogenetic systems of angiosperms from the historical point of view. B A Starostin. Biul. MOIP. Otd biol 69 no 3:134-142 My-Je '64.

ANILINE

Acylation of aniline by Mannich bases G I Denis, L V [illegible] P F [illegible] Zhur ob khim 34 no 5 [illegible] My '64

Interaction of acetylpyridinium salts with dialkyl anilines A.N. Kost, A.K. Sheinkman, N.F Kazarinova. Zhur. ob khim 34 no 6:2044-2049 Je '64.

Mechanism of interaction between benzoyl peroxide and dimethylaniline as studied by spectral methods. S D [illegible] G V Peregudov, M F Margaritova Dokl AN SSSR 157 no 3 636-638 Jl '64

ANIMAL INTRODUCTION see subdivision under Chukchi National Area

ANIMAL LOCOMOTION

Morphological and functional characteristics of the [illegible] in saiga and goitered gazelle. I I. Sokolov E A Klebanova, A S Sokolov Trudy Zool inst. 33:319-348 '64

ANIMAL MIGRATION

(see also subdivision under Balkhash Lake region)

Application of radioactive tracers for the study of intrapopulational connections as an epizootiological factor in the colony of greater gerbils (Rhombomys opimus). IU.V. Rudenchik. Zool. zhur. 42 no. 12:1849-1856 '63.

Migration of certain representatives of the genus Savanella. E.M. Zhgenti Trudy Inst. paleobiol AN Gruz SSR 8,63-65 '63.

Migration of Cretaceous brachiopods M.V. Popkhadze. Trudy Inst. paleobiol. AN Gruz. SSR 8,67-72 '63.

Role of migrations in the genesis and development of the Chokrak fauna. K G. Bagdasarian. Trudy Inst. paleobiol AN Gruz. SSR 8,97-102 '63.

Significance of the problem of migration for paleobiology and historical geology. L. Sh Davitashvili. Trudy Inst. paleobiol. AN Gruz SSR 8,85-95 '63.

ANIMALS, COLD-BLOODED—IDENTIFICATION

Kalinin. Pedagogicheskii institut. [Methodological information for determining the species of fishes, amphibians, leeches and spider families; a guide for the school teacher] Metodicheskie ukazaniia dlia opredeleniia vidov ryb, zemnovodnykh, presmykaiushchikhsia, piiavok i semeistv paukov; v pomoshch' uchiteliu shkoly. Kalinin.

No 1. 1962. 31 p.

[MICROFILM]

ANIMALS, HABITS AND BEHAVIOR OF

Behavior and reproductive function of animals. Report No. 1: Correlation of the behavioral chracteristics with the breeding season and fertility. D. K. Beliaev, L. N Trut. Biul MOIP. Otd. biol. 69 no 3;5-19 My-Je '64

When octopuses are taught "geometry" K V Massaev Priroda 53 no 7 76-80 '64

ANIMALS, MARKING OF

"Radiotelemetering" marking of animals. L S Lebedeva. Priroda 53 no 7 64-68 '64

ANIONS

Stabilization by anions of the oxidizing component of water radiolysis. V.A. Sharpatyi, K.G. IAnova. Zhur. fiz. khim 37 no. 4;948-949 Ap '63

ANISOTROPY

Anisotropy of the mechanical properties of rocks as a cause of the crookedness of wells. IU.L. Boiarko. Neft. khoz. 42 no. 3;15-18 Mr '64.

ANNIVERSARIES

Noteworthy dates Nar obr. no 6 127 Je '64

Noteworthy dates Nar. obr. no. 7·127 Jl '64.

ANOPLURA

Anatomy and morphology of Anoplura pinnipediorum. M. IA. Ass Biul MOIP. Otd. biol 67 no 6,55-60 N-D '62.

ANOXEMIA

Effect of dibazol on animals in acute oxygen deficiency. R O Amirov Farm. i toks 26 no 1,91-97 Ja-F '63.

Interrelations between the inhibitory process and hypoxia in schizophrenia. A. I. Sikharulidze, N. I. Bostoganashvili. Soob. AN Gruz. SSR 31 no. 1:187-194 Jl '63.

Oxygen regimen of the liver in severe traumatic shock. S.A. Seleznev. Biul. eksp. biol. i med. 56 no. 8;46-50 Ag '63.

ANTARCTIC REGIONS—GLACIERS

Akademiia nauk SSSR. Mezhduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. IX razdel programmy MGG. Gliatsiologiia. [Collection of articles. Sbornik statei] Moskva, Izd-vo "Nauka."

No. 12. Evteev, S. A. [Geological work of the ice cap in eastern Antarctica] Geologicheskaia deiatel'nost' lednikovogo pokrova Vostochnoi Antarktidy. 1964. 119 p.

ANTARCTIC REGIONS—LANDFORMS

Akademiia nauk SSSR. Mezhduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. IX razdel programmy MGG. Gliatsiologiia. [Collection of articles. Sbornik statei] Moskva, Izd-vo "Nauka."

No. 12. Evteev, S A. [Geological work of the ice cap in eastern Antarctica] Geologicheskaia deiatel'nost' lednikovogo pokrova Vostochnoi Antarktidy. 1964. 119 p.

ANTENNAS (ELECTRONICS)

Antenna radiation patten representation in the form of the sum of Λ-functions. B. M. Minkovich Radiotekh. i elektron. 9 no. 6 1073-1079 Je '64.

Beyond the zone of certain reception. B. Zelenov. Radio no. 3;33 Mr '64.

ANTENNAS (ELECTRONICS)—MEASUREMENT

Measurement of the parameters of highly-directional antennas in the nearest zone. A. E. Salomonovich, B. V. Braude, N. A. Esepkina. Radiotekh. i elektron. 9 no. 6: 1069-1076 Je '64.

ANTHELMINTICS

Cadmium salts as anthelmintics in cestodiasis of dogs. V. T. Ramazanov. Vest. sel'khoz. nauki [Kazakh.] 7 no 6 77-83 Je '64.

Optimal method of deworming in tapeworm infestations. V. I. Cherniaeva. Trudy TomNIIVS 14;127-133 '63.

ANTHOCYANIN

Anthocyanins and flavones during the oxidation of ascorbic acid in plants P A Kolesnikov, S. V. Zore. Fiziol rast 11 no 3·522-528 '64

Paper chromatography of anthocyans and flavonoids G B Samorodova-Bianki. Fiziol rast. 11 no 3 [illegible] 548 '64

ANTHRACENE

Presence of anthracene in neutral oils of gas-producer settled tar obtained in the gasification of conifer wood V. P. Kozlov, D. V. Tishchenko. Zhur. prikl. khim. 37 no. 5;1168 My '64.

ANTHRACENETETRONE

Derivatives of anthracene. Part 10: 1,2,5,6-anthradiquinone-1,5-dioxime and its compounds with sodium bisulfite. M. V. Gorelik. Zhur. ob. khim. 34 no 6; 2003-2010 Je '64.

ANTHRAFURAN

Derivatives of anthracene. Part 11: Rearrangement of 3,4,7,8-tetrahydro-1,2,5,6-anthradifuroxane-4,8-disulfonic acid. M. V. Gorelik. Zhur ob. khim. 34 no. 6;2010-2015 Je '64

ANTHRAQUINONE

Derivatives of anthracene. Part 9: 6-Hydroxy- and 7-hydroxy-1,2-anthraquinone-1-oximes. M. V. Gorelik, T. A. Mikhailova. Zhur. ob. khim. 34 no. 6;2007-2013 Je '64.

Derivatives of anthraquinone. Part 4: Color and structure of 1-amino-2-benzoylanthraquinone and 7,8-phthaloylacridone derivatives. N S Dokunikhin, S M [illegible] I L Boguslavskaia Zhur ob khim 31 no. 5·1565 [illegible] My '64

X-ray diffraction measurements of certain substituted anthraquinones. G. A. Gol'der, L. A. Chetkina. Kristallografiia 8 no. 1;104-105 Ja-F '63.

ANTHRONE

Determination of blood sugar by the photoelectrocolorimeter with an anthrone reagent P. M. Babaskin Lab. delo no 6 343-345 '64

ANTIAIRCRAFT ARTILLERY

Combat skill of antiaircraft gunners. E. Makrov. Voen vest. 42 no. 12 66-68 D '62

So that fire may be accurate. E. Adamskii. Voen vest 42 no. 12;68-70 D '62

Support of the commander V. Shif. Voen. vest. 42 no 12·71 D '62.

Verin, P. N., and K. V. Morozov. [Rocket weapons of antiaircraft defense on the sea] Raketnoe oruzhie protivovozdushnoi oborony na more. Moskva, Voenizdat, 1964. 145 p.

ANTIBIOTICS

Antibiotic therapy of suppurating perineal and gluteal wounds following surgery on the rectum. L. S. Gel'fenbein, T. B. Cherniagina. Khirurgiia 40 no. 2;49-51 F '64.

Antimicrobic activity of some representatives of the Armenian flora. I. S. Melkumian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9;83-88 S '63.

Antineoplastic antibiotics. B. IU. Aizenman. Mikrobiol. zhur. 25 no. 6;44-53 '63.

Bacteremia in surgical diseases. N. V. Shtibon. Khirurgiia 40 no. 2;32-36 F '64.

Colicinogenicity as a general biological problem. V. D. Timakov and others. Vest. AMN SSSR 19 no. 1;60-72 '64.

[Multivolume manual on the microbiology, clinical aspects and epidemiology of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina.

Vol. 4. [Clinical aspects, pathology, diagnosis and treatment of infectious diseases and parasite infestations. Antibiotics] Klinika, patologiia, diagnostika i lechenie infektsionnykh i invazionnykh boleznei. Antibiotiki. Red. G. P. Rudnev. 1964. 661 p.

(DNLM)

Preventive use of antibiotics in surgery on the stomach. A. M. Marshak, L. A. Sysoeva. Khirurgiia 40 no. 2; 19-24 F '64.

Principles of rational antibiotic therapy of some surgical infections. M. I. Kuzin, M. A. Chistova. Khirurgiia 40 no. 2;11-19 F '64.

Rational use of antibiotics in the treatment of inflammatory diseases of the bile ducts. M. S. Pollak. Vest. khir. 91 no. 10;35-39 O '63.

Resistance of the staphylococcus to antibiotics and characteristics of [illegible] in children. A. [illegible] Khirurgiia [illegible] 2, 24-29 F '64.

Survival of Leptospira in the meat of animals given antibiotics intravitam. O. M. Kotova. Zap. Vor. sel'khoz. inst. 17 no. 2;65-67 '62.

Treatment of purulent diseases of the extremities by intraosseous introduction of novocaine and antibiotics. G. I. Dmitriev. Vest. khir. 91 no. 10;117-118 O '63.

Use of antibiotics in the treatment of specific monarthritis of the fingers (chinga). N.I.Batygina. Khirurgiia 40 no 2:29-32 F '64.

ANTIBIOTICS AS FEED

Effect of antibiotics on the productivity of blue foxes and preservation of offspring. I.I.Dukur, A.I.Demina. Nauch.trudy Nauch.-issl.inst.push.zver.i krol. 4: 74-83 '63.

Effectiveness of the use of feed antibiotics in swine fattening V N Agafonov. Trudy Bel.nauch -issl inst zhiv. 3 288-296 '62

Enrichment of mixed feeds with antibiotics and vitamins at the Sal'sk Mixed Feed Plant N.Chudakovskii. Muk.-elev.prom. 30 no.2·6 F '64

Production and use of feed antibiotics in White Russia. K M.Solntsev and others Trudy Bel nauch -issl. inst zhiv 3 273-287 '62

ANTICOAGULANTS (MEDICINE)

Blood coagulation system and the use of anticoagulants in cerebrovascular disorders. P.M.Al'perin and others Zhur nevr.i psikh. 64 no 5 675-679 '64.

Observation of the results of anticoagulant therapy and the indices of the blood coagulation system in coronary insufficiency. A IA.IAroshevskii, E.K.Zhavoronkova Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:353-356 '63.

State of the blood coagulation system and the use of anticoagulants in patients with strangulated hernia D.P. Pavlovskii. Khirurgiia 40 no.2:145-152 F '64.

ANTIGENS AND ANTIBODIES

Antibodies against the specific antigen of the membrane of tumor cells. B.D.Brondz. Vop onk. 10 no.2:81-88 '64.

Antibody formation function in the dolphin Phocaena phocaena. V.I.Luk'ianenko. Dokl AN SSSR 157 no.3 737-739 Jl '64

Changes in the specific activity and blood protein level at different periods following the administration of the antigen. O.A.Vasil'eva, N.F.Zel'tina. Trudy TomNIIVS 14:266-269 '63.

Comparative characteristics of methods of antigen preparation for allergic diagnosis of tick-borne encephalitis. A.A.Stetkevich. Trudy TomNIIVS 14:29-34 '63.

Correlation of antibody titers in serum-producing horses in double immunization against diphtheria and tetanus B.G.Trukhmanov, S.M.Preger, R.M.Slobodskoi. Trudy TomNIIVS 14:207-212 '63.

Effect of adrenalectomy and the administration of some corticosteroids on antibody formation V.M.Ivanov. Vest AMN SSSR 18 no 11,19-24 '63

Effect of immune complexes on the superior cervical sympathetic ganglion. A.A.Podkolzin. Vest.AMN SSSR 18 no.11 25-28 '63.

General morphology of immunological processes under experimental and clinical conditions A.I Strukhov Vest AMN SSSR 18 no 11 13-18 '63.

Immunochemical characteristics of blood serum albumin in dogs during ontogenesis. A.V.Afanas'eva. Biul. eksp.biol.i med. 56 no.8:54-57 Ag '63.

Immunology of Hashimoto's diseases. A.M.Raskin. Vest AMN SSSR 18 no.11 46-50 '63

Mechanism of antibody production by lymphoid tissue. A.N.Gordienko, B A Saakov, A.I Poliak. Pat fiziol i eksp.terap. 7 no 6 24-27 N-D '63

Specific O-antigens in spontaneously agglutinable Salmonella. N.N.Zinin-Bermes. Lab delo no 6 357-359 '64.

Studies on the localization of contractile muscle proteins following denervation with the aid of labeled antibodies. M.B.Kalamkarova and others. Biofizika 8 no.6:696-698 '63.

ANTIGENS AND ANTIBODIES—ANALYSIS

Characteristics of Brucella cultures isolated from hares by the method of diffusion precipitation in gel. N.G.Shin. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2:76-84 '64.

Simplest method for the photorecording of precipitate lines in gel. L.G.Zhdanova, I.F.Pers, A.M.Selivanov. Lab.delo no.6.375-376 '64.

Study of Brucella cultures isolated from hares by the method of immunoelectrophoresis in agar gel. N.G. Shin, I.I.Bubrovskaia, M.M.Rementsova. Izv.AN Kazakh.SSR.Ser.med.nauk no.1:91-99 '64.

ANTIHYPERTENSIVE AGENTS

Diuretic and hypotensive effect of hypothiazide. N.A. Ratner. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:273-277 '63.

ANTIMETABOLITES

Effect of strophanthin on the heart following the action of carbohydrate metabolism inhibitors. G.N.Chetverikov. Farm i toks. 26 no.1:58-63 Ja-F '63.

ANTIMONY PLATING

Electrodeposition of antimony from the trifluoride electrolyte. F.I.Zaburdaeva, V.M.Kochegarov, A.N. Kharin. Zhur.fiz.khim. 38 no.3:756-760 Mr '64.

ANTIMONY-TIN-LEAD ALLOYS see Lead-antimony-tin alloys

ANTINEOPLASTIC AGENTS

Antineoplastic antibiotics B. IU. Aizenman Mikrobiol zhur. 25 no.6:44-53 '63

Antitumorigenic activity of stable free radicals. N P Konovalova and others. Dokl AN SSSR 157 no 3 707-709 Jl '64.

Review of N.I Perevodchikova's book "Medicinal methods of treating malignant tumors." L IU Dymarskii Vop.onk. 8 no 10:125-126 '62.

ANTIPYRINE

Determination of the interfacial energy of antipyrine at the crystal - melt boundary. A S.Mikulich. Krist. zhid. no.2:7-17 '63.

Synthesis of analogs of antipyrine and pyramidon M N Shchukina, E S Golombik, G.S Predvoditeleva Zhur ob khim 34 no 5 1605-1608 My '64

ANTISEPTICS

Prevention of exogenous infections in surgery. B.M. Voloshchuk. Khirurgiia 40 no.2:36-40 F '64.

ANTS—BIBLIOGRAPHY see Bibliography—Ants

AORTA

Method of determining the content of total lipids and cholesterol in the aorta of rabbits. N.G.Strotkova, L.V.Ivanova, G.D.Fedorova Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:137-139 '63.

AORTA—DISEASES

Diagnosis of atherosclerosis of the aorta by the piezosphygmographic method. B.S.Matsaberidze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:61-65 '63.

Some hemodynamic indices in atherosclerosis of the thoracic aorta. T.G.Vatsadze, L.G.Zhgenti. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8·67-70 '63.

Some histochemical characteristics of the aortic wall in experimental atherosclerosis. N.M.Putkaradze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:147-150 '63.

AORTA—INNERVATION

Morphology of the vegetative component of the depressor zone of the aortic arch E B Khaisman, N B Lavrent'eva Dokl AN SSSR 157 no 3·674-677 Jl '64

AORTA—LIGATURE

Dynamics of disorders of the cerebral circulation and their compensation in a temporary occlusion of the aorta. G.I.Mchedlishvili, V.A.Akhobadze, L.G. Ormotsadze. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:543-549 '63.

AORTA—PUNCTURE

Contrast investigation of the heart and large vessels by the method of direct punctures. V.A.Kartavova and others. Trudy Inst.klin.i eksper kard.AN Gruz.SSR 8:577-583 '63.

AORTA—RADIOGRAPHY

Importance of tomography in X-ray diagnosis of atherosclerosis of the thoracic aorta. Z.G.Spektorova. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:31-34 '63.

X-ray study of atherosclerosis of the thoracic aorta. I.V.Dzhavakhishvili, N.M.Kutateladze, O.G.Gabashvili. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:21-30 '63.

AORTA—SURGERY

Surgical treatment of aortic stenosis by the open method. A.L.Mikaelian. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:627-631 '63.

APARTMENT HOUSES

(see also subdivision under Minsk; Moscow; Sofia; Sweden)

Against misrepresentation of economic indexes. M.Shmul'skii. Stroi.i arkhit. 12 no.5:30-32 My '64.

Apartment house made of synthetic materials. V.I.Tikhonovich. Biul.stroi.tekh. 21 no.1:37-38 Ja '64.

Basic technical and economic indices of the construction and operation of apartment houses. N.I.Aleksandrova. Nauch.trudy AKKH no.18:130-141 '62.

Living area in corridor-type apartment houses. A.Selastel'nikov. Stroi.i arkhit. 12 no.5:26-27 My '64.

Nine-story apartment house of large panels. O.I.Gur'ev. Stroi.i arkhit.Len. 26 no.4:4-7 Ap '64.

Summer accommodations of large-panel apartment houses. D.TSabadze. Zhil.stroi. no.5:20-21 '64.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION

[illegible]

Improved variants of standard designs of apartment houses. E.Kapustian. Zhil.stroi. no.5:13-18 '64.

Ostretsov, V.M., and E.R.Briling. [Examples of calculations of elements for modern large-panel apartment houses] Primery rascheta konstruktsii sovremennykh krupnopanel'nykh zhilykh zdanii. Moskva, Stroiizdat, 1964. 191 p.

Standard designs of apartment houses for housing cooperatives. A.Selastel'nikov Zhil.stroi. no.5 19-20 '64

APARTMENT HOUSES—MAINTENANCE AND REPAIR

(see also subdivision under Leningrad; Moscow)

Akademiia kommunal'nogo khoziaistva. Leningradskii nauchno-issledovatel'skii institut. [Album of precast reinforced concrete elements of enclosing structures for major repair of residential buildings; working drawings] Albom sbornykh zhelezobetonnykh konstruktsii perekrytii dlia kapital'nogo remonta zhilykh domov; rabochie chertezhi. [Leningrad] Akad. kommun. khoz., 1963. 115 p.

Methods of determining the technical and economic efficiency of hoisting and transporting operations in major repairs of apartment houses. G A.Sedlukha. Nauch. trudy AKKH no.18.64-86 '62.

APARTMENT HOUSES—MANAGEMENT

Technician and superintendent Zhil -kom khoz 13 no 9.1-2 S '63

APARTMENT HOUSES—REPAIR AND RECONSTRUCTION

Housewarmings in old homes M Kamenetskii. Zhil - kom.khoz 13 no 9:22-23 S '63

APARTMENT HOUSES—SOUNDPROOFING

Soundproofing properties of enclosing structures in major repairs of buildings. M.N.Zverkova. Nauch. trudy AKKH no.18:32-63 '62

APARTMENT HOUSES, COOPERATIVE

Apartment house is built with the resources of a cooperative. O.V.Kalinin, A.I.Riskii. Stroi i arkhit Len. 26 no.4:15-18 Ap '64.

For housing and building cooperatives. Standard designs for apartment houses. A.I.Kniazev Stroi i arkhit. Len. 26 no.4:19-21 Ap '64

APATITE

(see also subdivision under Baikal Lake region)

Voskresenskii, S.K., ed. [Production of 32% P_2O_5 phosphoric acid by the decomposition of apatite by sulfuric acid with the crystallization of gypsum] Proizvodstvo fosfornoi kisloty kontsentratsiei 32% P_2O_5 razlozheniem apatita sernoi kislotoi s kristallizatsiei gipsa. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1962. 15 p.

[MICROFILM]

APHID FLIES

Biology of the genus Parochthiphila Czerny (Diptera, Chamaemyiidae). V.N.Tanasiichuk. Zool.zhur. 42 12.1876-1880 '63.

APHORISMS AND APOTHEGMS

About aphorisms. N.Turkelov. Vest.AN Kazakh.SSR 19 no.8.47-52 Ag '63.

APOPLEXY

Characteristics of electroencephalography in hemorrhages from arteriovenous aneurysms. A.N.Konovalov, A.A. Sokolova, T.O.Filler. Zhur nevr.i psikh. 64 no.5 654-660 '64.

APPENDECTOMY

Acute intestinal obstruction following appendectomy and its treatment. N S Timofeev, E V Ivanova, V.A Pletneva Vest khir. 91 no.10 57-61 O '63.

Inflammatory "tumors" following appendectomy. B I Chulanov. Vest.khir. 91 no.10 61-65 O '63.

APPENDICITIS

Effect of preliminary introduction of penicillin on the course of experimental appendicitis. Report No.2. IU.P.Atanov. Khirurgiia 40 no.2:78-80 F '64.

Errors in acute appendicitis. V.I.Struchkov, B.P. Fedorov. Khirurgiia 40 no.2:65-72 F '64.

Some data on the comparative evaluation of the adaptive role of the sympathetic nervous system in the diagnosis of acute appendicitis. A.B. Aliev. Azerb. med. zhur. 40 no.10:48-53 O '63.

Zone of painfulness to percussion in acute appendicitis. A.Z.Kirvalidze. Soob. AN Gruz.SSR 31 no.1:227-231 Jl '63.

APPLE

(see also subdivision under Transbaikalia; Ural Mountain region)

Chemical defoliation of apple seedlings in nurseries. M.D.Kuznetsov, A.A.Ebetullaev. Izv.TSKHA no.5: 86-99 '63.

Embryological processes in the apple tree (Malus domestica Borkh.) IE.M.Shmarhon'. Ukr.bot.zhur. 21 no.3:12-19 '64

Formation of the drought resistance properties of apple tree leaves during their growth under the effect of external conditions. L.A.Filippov Fiziol rast. 11 no.3·529-531 '64.

Metlitskii, Z.A. [The apple tree] IAblonia. [Izd. 4, dop. i perer. Moskva] Mosk. rabochii, 1964. 323 p.

(DNAL)

APPLES—DISEASES AND PESTS

[illegible] apple trees bearing deformed [illegible] (or small-leaved) shoots. [illegible] N.P.Sokolova-Domanskaia. Izv [illegible] '63

APPLE WORM see subdivision under Georgia

APPLIED MECHANICS see Mechanics, Applied

APPROXIMATE COMPUTATION

[illegible] by the method of [illegible] A.B.Tigu [illegible] no 3 56-59 '64.

APSHERON PENINSULA—ANTIQUITIES

[illegible] Apsheron Peninsula [illegible] AN Azerb SSR 20 no 4 81-84

APSHERON PENINSULA—CLAY

[illegible] characteristics from the viewpoint of [illegible] of the Apsheronian stage clays [illegible] Apsheron Peninsula A K Giul' Dokl AN Azerb SSR 20 no 3 47-48 '64

APSHERON PENINSULA—ENGINEERING GEOLOGY

[illegible] characteristics from the viewpoint of [illegible] of the Apsheronian stage clays [illegible] Apsheron Peninsula A K Giul'. Dokl AN [illegible] 20 no 3 47-48 '64

APSHERON PENINSULA—OIL WELL LOGGING, ELECTRIC

[illegible] of oil and gas in the Apsheron [illegible] G Durmish'ian Neftegaz. geol. [illegible] 11 24-[illegible]

APSHERON PENINSULA—PETROLEUM PRODUCTION

[illegible] a water drive system on the [illegible] of the Sub-Kirmaki series in [illegible] Apsheron Peninsula G P Guseinov [illegible] 42 [illegible] '63

APSHERON PENINSULA REGION—HYDROLOGY

[illegible] characteristics of the northern Apsheron Bay in connection with its hydrological regime. A.G. [illegible]. Dokl AN Azerb.SSR 19 no.6:47-51 '63

AQUATIC SPORTS see subdivision under Ulan-Ude

ARABIAN SEA—EUPHAUSIACEA

[illegible] of the Bay of Bengal and the Arabian Sea I A Ponomareva Trudy Inst okean [illegible] '64

ARABIAN SEA—MARINE SEDIMENTS

[illegible] of the sedimentary layer in the [illegible] Arabian and Andaman Seas. [illegible] Trudy Inst okean 64 214-226 '64

ARABIC ALPHABET

[illegible] code alphabet A.IU.Kaziev. Dokl. AN Azerb. SSR 20 no.3 [illegible] '64

ARAGATS, MOUNT—ALPINE FLORA

Seed germination of some Alpine plant species V. E Voskanian Izv AN Arm SSR Biol. nauki 16 no 2: 103-106 F '63.

ARAGATS, MOUNT—GEOLOGY, STRATIGRAPHIC

Stratigraphic scale of Neogene and Quaternary volcanic formations in the area of Mount Aragats V M Amarian Dokl AN Arm SSR 36 no 5 203-207 '63

ARAGVI VALLEY—TERRACES (GEOLOGY)

Stratigraphic and paleogeographic interpretation of some characteristics of the structure of the terraces of the [illegible] and Aragvi Rivers I I Maruashvili Soob AN Gruz SSR 31 no 3 [illegible] S '63

ARAL SEA REGION—CATTLE—FEEDING AND FEEDS

Winter feeding of cattle in the Aral Sea region A. A. Karasaev Vest sel'khoz nauki [Kazakh] 7 no. 2: 130-132 F '64

ARAL SEA REGION—SPORES (BOTANY), FOSSIL

Spores of the new form genus Acritosporites from Upper Cretaceous deposits of central Kyzylkum and the southern part of the Aral Sea region. E.K.Obonitskaia. Paleont zhur. no 2:121-124 '64.

ARAL SEA REGION—WATER, UNDERGROUND

Hydrogeology of the southern Aral Sea Region. A. P. Pospelov. G M. Shor. Trudy VSEGEI 109:349-366 '63

ARBITRATION AND AWARD

Decisions of the Interdepartmental Arbitration Agency of the Ministry of Merchant Marine. Inform sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:69-71 '63.

Decisions of the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:71-73 '63.

Decisions of the State Arbitration Agency attached to the Council of Ministers of the R.S.F.S.R. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:67-68 '63.

Decisions of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:64-67 '63.

Decisions of the State Arbitration Agency attached to the Executive Committee of the Leningrad Soviet of Workers' Deputies. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak no. 19:68-69 '63.

Loginov, P.V. [Arbitration tribunals in the U.S.S.R.; textbook and methodical guide in civil procedure for students in evening courses of the Law Faculty] Treteiskie sudy v SSSR; uchebno-metodicheskoe posobie po grazhdanskomu protsessu dlia studentov vechernego otdeleniia iuridicheskogo fakul'teta. [Moskva] Izd-vo MGU, 1963. 42 p.

Maritime conflicts in the practice of arbitration agencies. N. P. Bursa. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:6-11 '63.

ARBORETUMS see subdivision under Uman'

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOCYATHIDAE see subdivision under Chita Province

ARCHAEOLOGICAL RESEARCH see subdivision under Chukchi Peninsula

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY—JUVENILE LITERATURE

Varshavskii, A. S. [Everything above the subsoil] Vse, chto vyshe materika. Moskva, Izd-vo "Detskaia literatura," 1964. 190 p. illus.

ARCHANGEL—BRIDGES—FOUNDATIONS AND PIERS

Results in filling a caisson shell with concrete. N. F. Timofeev. Transp. stroi. 13 no. 12:13-15 D '63.

ARCHANGEL GOVERNMENT—HISTORY

Kopylov, A. I. [Along difficult roads; the revolutionary movement in Archangel Government] Trudnymi dorogami, [revoliutsionnoe dvizhenie v Arkhangel'skoi gubernii Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1961 268 p.

(MII)

ARCHANGEL PROVINCE—PINE

Effect of the embedding of seeds on their field germination as related to the time of sowing. P. M. Malakhovets Izv. vys. ucheb. zav., les. zhur. 6 no. 6:9-13 '63.

ARCHANGEL PROVINCE—PLANTING TIME

Effect of the embedding of seeds on their field germination as related to the time of sowing. P. M. Malakhovets. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:9-13 '63.

ARCHANGEL PROVINCE—SPRUCE

Effect of the embedding of seeds on their field germination as related to the time of sowing. P. M. Malakhovets. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:9-13 '63.

ARCHIMEDES

Nasir al-Din al-Tusi's commentaries on Archimedes' work "On the sphere and cylinder " A Kubesov Vest AN Kazakh SSR 19 no. 6:66-76 Je '63

ARCHITECTURE—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref. zhur.: Stroi. i arkhit. 6 no. 4 '64

ARCHITECTURE—CONSERVATION AND RESTORATION see subdivision under Murom (Vladimir Province)

ARCHITECTURE, AZERBAIJANI

Salamzade, A. V. [Architecture of Azerbaijan from the 16th to the 19th century] Arkhitektura Azerbaidzhana XVI-XIX vv. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. illus. 253 p.

ARCHITECTURE AND CLIMATE

Il'inskii, V. M. [Designing enclosing structural elements for buildings considering the physico-climatic effect] Proektirovanie ograzhdaiushchikh konstruktsii zdanii; s uchetom fiziko-klimaticheskikh vozdeistvii. 2. perer. i dop. izd. Moskva, Stroiizdat, 1964. 294 p.

Summer accommodations of large-panel apartment houses. D. TSabadze. Zhil. stroi no. 5 20-21 '64.

ARCHIVES

(see also subdivision under Hungary)

Akademiia nauk SSSR. Laboratoriia konservatsii i restavratsii dokumentov. [Problem of durability of documents and paper] Problema dolgovechnosti dokumentov i bumagi. Moskva, Izd-vo "Nauka," 1964. 124 p.

Preserving, organizing, and using the science archives in the All-Union Institute of Plant Protection. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1:31-36 '58.

A useful book. A. I. Gukovskii. Ist. SSSR 8 no. 1:169-171 Ja-F '64.

ARCTIC FOX—DISEASES AND PESTS

Effect of antibiotics on the productivity of blue foxes and preservation of offspring. I. I. Dukur, A. I. Demina. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4: 74-82 '63.

ARCTIC REGIONS—ATMOSPHERIC TEMPERATURE

Three cases of sudden temperature rises in the Arctic atmosphere. A. A. Petrov, L. A. [illegible] TSAO no. 52:67-74 [illegible]

ARCTIC REGIONS—CLIMATE

Is the warming of the northern latitudes possible? [illegible] Borisov. Zap. Chuk. kraeved. muz. no. [illegible]

ARCTIC REGIONS—DISCOVERY AND EXPLORATION

Pasetskii, V. M. [Finds that solve riddles] Nakhodki, kotorye otkryvaiut tainy. Moskva, Izd-vo "[illegible]," 1964. 357 p.

ARCTIC REGIONS—METEOROLOGY—OBSERVATIONS

Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. [Materials of the observations of a drifting research station "North Pole-8," 1959-[illegible]] Materialy nabliudenii nauchno-issledovatel'skoi dreifuiushchei stantsii "Severnyi polius" 1959/60 goda. Leningrad, Izd-vo "Morskoi transport," 1963. 294 p (Its Trudy, vol. 270)

ARCTIC REGIONS—SIPHONOPHORA

Finding of the siphonophore Nectopyramis [illegible] Bigelow, 1911, in the Arctic basin. S. D. Stepan'iants Zool. zhur. 42 no. 12:[illegible] '63.

ARGENTINA—ECONOMIC CONDITIONS

Economic and financial problems of Argentina [illegible] chuk. Mir. ekon. i mezhdunar. otn. no. [illegible]

ARGENTINA—FINANCE

Economic and financial problems of Argentina [illegible] chuk. Mir. ekon. i mezhdunar. otn. no. [illegible]

ARGON

Statistical calculation of the total energy and [illegible] argon adsorbed on graphite. A. V. Kiselev, [illegible] Zhur. fiz. khim. 37 no. 4:770-777 Ap [illegible]

ARGON—THERMODYNAMICS

Thermodynamic properties of argon at high temperatures [illegible] V V Rybakov. Izv vys ucheb. zav., neft' i gaz [illegible] no 5:77-80 [illegible]

ARGUN VALLEY—GEOLOGY

Geology of the southwestern Argun Valley. D. A. [illegible] and others. Trudy VSEGEI 91:125-160 '63.

ARITHMETIC—STUDY AND TEACHING

Popova, N. S. [Teaching material on arithmetic for the second grade of eight-year schools] Didakticheskii material po arifmetike dlia II klassa vos'miletnei shkoly. Izd. 6., dop. Moskva, Prosveshchenie, 1964 203 p.

ARITHMETIC, COMMERCIAL see Business mathematics

ARMAMENTS

Irrefutable figures. IU. IAkhontov. Nov. mir 39 no. [illegible] 275-276 O '63.

ARMED FORCES see subdivision under Russia

ARMENIA

Arpaoceras of Devonian Actinoceratoidea in Armenia F. A. Zhuravleva. Paleont. zhur. no. 1:138-139 '64

ARMENIA—BIOLOGICAL RESEARCH

During twenty years. V. O. Gulkanian. Izv. AN Arm [illegible] Biol. nauki 17 no. 1:3-18 Ja '64.

ARMENIA—BIONICS

Seminar on biophysics of the Department of Biophysics and Bionics of the Academy of Sciences of the Armenian S.S.R. M. Pogosian Biofizika 9 no 1:142 '64.

ARMENIA—BIOPHYSICAL RESEARCH

Seminar on biophysics of the Department of Biophysics and Bionics of the Academy of Sciences of the Armenian S.S.R. M. Pogosian. Biofizika 9 no. 1:142 '64

ARMENIA—BOTANY, MEDICAL

Antimicrobic activity of some representatives of the Armenian flora. I. S. Melkumian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:83-89 S '63.

ARMENIA—BROILERS (POULTRY)

Chemical and amino acid composition of the meat of broiler chickens. S. G. Saakian. Izv. AN Arm. SSR Biol. nauki 16 no. 9:33-37 S '63.

ARMENIA—BUILDING MATERIALS

Binding materials of some ancient Armenian structures L. P. Papkova, Kh. O. Gevorkian, O. P. Mchedlov-Petrosian. Izv. AN Arm. SSR. Ser. tekh. nauk 17 no. 2:61-69 '64.

ARMENIA—CORN BREEDING

Effect of repeated pollination on the inheritance of characters in corn. G. G. Batikian, D. P. Cholakhian Izv. AN Arm. SSR. Biol. nauki 16 no. 2:9-22 F '63.

ARMENIA—GAS AS FUEL

Prospects for the development of the production of gas in Armenia. I. G. Papiev. Gaz. prom. 8 no. 1:22-24 '63.

ARMENIA—GEOLOGY, STRATIGRAPHIC

Akademiia nauk Armianskoi SSR, Erivan. Institut geologicheskikh nauk. [Geology of the Armenian S.S.R.] Geologiia Armianskoi SSR. Glav. red.: S. S. Mkrtchian i dr. Erevan, Izd-vo AN Armianskoi SSR.
Vol. 2. [Stratigraphy] Stratigrafiia. 1964. 432 p.

ARMENIA—LAVA—MAGNETIC PROPERTIES

Causes of the appearance of reverse magnetization of the Lower Quaternary Armenian lavas Part 2 A S Bol'shakov, G M. Solodovnikov, IU P Skovorodkin Izv AN SSSR Ser geofiz no 6 911-918 Je '64

ARMENIA—MEASURING WORMS

New species of measuring worms (Lepidoptera, Geometridae) in Armenia. S. A. Vardikian. Izv AN Arm SSR. Biol. nauki 17 no. 1:91-93 Ja '64.

ARMENIA—PARASITES—POULTRY

Discovery of the intermediate hosts of the causative agent of Raillietina infections in chickens, Raiellitina (Skrjabinia) circumvallata var. sibirica Fedjushin, 1953 (Cestoda, Davaineidae) K A Akhumian. Dokl AN Arm SSR 36 no 5 299-302 '63

ARMENIA—PHEASANTS

Growth and development of the game pheasant. K. A. Airumian. Izv AN Arm. SSR. Biol. nauki 17 no. 1:81-89 Ja '64.

ARMENIA—PSOCOPTERA

Copeognatha of the Armenian S. S. R. and methods of their laboratory maintenance. P. K. Svadzhian, V. N. Vishniakova, K. S. Mardzhanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9 89-94 S '63.

Development of Thysaniezia giardi (Moniez, 1879) in the body of insects from the order Psocoptera P K. Svadzhian Dokl AN Arm SSR 36 no 5 303-306 '63.

ARMENIA—REVOLUTION, 1917-1921

El'chibekian, A. M. [Armenia on the eve of the Great October; February - October, 1917] Armeniia nakanune Velikogo Oktiabria; fevral' - oktiabr' 1917 goda. Erevan, Izd-vo AN Armianskoi SSR, 1963. 103 p.

ARMENIA—STATE FARMS—MANAGEMENT

Instruction "from on high." Ekon. sel'khoz. 35 no. 1: 106-108 Ja '64.

ARMENIA—TAPEWORMS—HOST ANIMALS

Development of Thysaniezia giardi (Moniez, 1879) in the body of insects from the order Psocoptera P. K. Svadzhian. Dokl AN Arm. SSR 36 no. 5.303-306 '63

Discovery of the intermediate hosts of the causative agent of Raillietina infections in chickens, Raiellitina (Skrjabinia) circumvallata var sibirica Fedjushin, 1953 (Cestoda, Davaineidae) K. S. Akhumian. Dokl AN Arm SSR 36 no. 5 299-302 '63

ARMENIAN LITERATURE—HISTORY AND CRITICISM

Contemporary literature of Soviet Armenia. Levon Mkrtchian. Mat i soob issl. otd. Inst. po izuch SSSR no. 40: 207-232 '63

ARMIES see subdivision 'Army' under Czechoslovakia, Germany; Russia

ARMORED VEHICLES see subdivision under United States

ARMORED VESSELS

Method of training engine operators of cutters. A. Minkin. Tekh. i vooruzh. no. 6:44-45 Je '64.

AROMATIC COMPOUNDS

Asymmetric aromatic organozinc and organocadmium compounds of the type ArMeAr' I E. Paleeva, N I Sheverdina, K. A. Kocheshkov. Dokl. AN SSSR 157 no. 3.626-628 Jl '64

Chromatographic determination of the hydrocarbon composition of aromatic compounds. V. G. Zizin, T. S. Ivanova, V. I. Sokolova. Khim i tekh. topl. i masel 9 no. 3:66-67 Mr '64.

Production of hydroaromatic dicarboxylic acids. G. S. Gurevich, S. Z. Levin, I. S. Diner. Zhur. prikl. khim. 37 no. 5:1139-1141 My '64.

Reaction of peroxydicarbonates with solvents catalyzed by ferrous chloride. Direct introduction of cyclohexyloxycarboxy groups into aromatic rings. G. A. Razuvaev, N. A. Kartashova, L S. Boguslavskaia. Zhur. ob. khim. 34 no. 6:2093-2094 Je '64.

AROMATIZATION

Catalytic aromatization of the 85--105° fraction of Surakhany selected petroleum. A. M. Aliev, V. S. Aliev. Nefteper. i neftekhim. no. 6:16-18 '63.

ARRHYTHMIA

Artherosclerosis of the arteries of the conducting system of the heart and its role in the origin of arrhythmia. K. M. Pozhariaskii. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:155-158 '63.

Clinical electrocardiographic observations of children with rheumatic fever and disorders of the cardiac rhythm. T. I. Ternova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:477-479 '63.

Clinical phonocardiographic observations of extrasystoles in children. M. K Oskolkova, T. I. Ternova. Trudy Inst klin i eksper. kard. AN Gruz. SSR 8 475-476 '63.

Experimental reproduction of cardiac rhythm disorders during action on the central nervous system I K Shkhvatsabaia Pat fiziol i eksp terap 7 no 6 45-49 N-D '63

Myocardial infarctions with serious disorders of cerebral circulation, acute rhythm disorders and perforation of the interventricular septum. M. A IAsinovskii, G. F. Boiko. Trudy Inst klin i eksper kard AN Gruz. SSR 8:341-347 '63.

Relation between the chemical structure and antiarrhythmic effect in the series of dialkylaminoethylamides, morpholyl-and piperidyl-propylamides of p-alkylaminobenzoic acid. A. L Mndzhoian, V. M. Avakian, L A Manukian Izv. AN Arm. SSR. Biol. nauki 17 no 1:19-26 Ja '64.

Some factors influencing the appearance of ventricular fibrillation during clinical death and resuscitation in acute hemorrhage in dogs N. S Kolganova Pat fiziol i eksp terap 7 no 6 37-42 N-D '63

ARSENATES

Effect of starvation diet of various duration on the effectiveness of tin arsenate in sheep invaded with Thysaniezia G. I. Goderdzishvili Soob. AN Gruz. SSR 31 no. 2:425-431 Ag '63.

ARSENIC

Determination of arsenic admixtures in pharmaceutical preparations. Report No. 2. I. N. Biriukova. Apt. delo 11 no. 6 69-73 N-D '62.

Studying the separation of arsenic from alkaline sulfide solutions. I R Polyviannyi, IA Z Malkin Vest AN Kazakh SSR 19 no 6:3-11 Je '63

Sublimation of arsenic from arsenopyrite ores of Tsani formation and the condensation of its vapors. V. G. Rtskhiladze, G. N. Zviadadze. Soob. AN Gruz. SSR 34 no. 1:127-134 Ap '64.

ARSENIC COMPOUNDS

Kinetics of the mixed adsorption of arsenic compounds on activated charcoal from nitric acid solutions D. IA. Evdokimov. Zhur. prikl. khim 37 no. 5:980-984 My '64

ARSENIC ORGANIC COMPOUNDS

Some organoarsenic derivatives of ethylenimine. Gil'm Kamai, Z. L. Khisamova. Dokl. AN SSSR 156 no. 2:365-367 My '64.

Sulfur-containing organoarsenic compounds. Production of β-diethylaminoethyl S-esters of some thio-acids of trivalent arsenic. N. A. Chadaeva, Gil'm Kamai, K. A. Mamakov. Dokl AN SSSR 157 no. 2:371-374 Jl '64.

ARSENIC POISONING

Treatment of occupational poisoning by arsenic pentoxide. N. N. TSomaia. Soob. AN Gruz. SSR 33 no. 1:247-250 Ja '64.

ARSENIC-TELLURIUM-INDIUM ALLOYS see Indium-arsenic-tellurium alloys

ARSENITES

Anodic oxidation of arsenite ion on a rotating platinum electrode. V. A. Zakharov, O. A. Songina. Zhur. fiz. khim. 38 no. 3:767-770 Mr '64.

Use of OsO4 as a catalyst in arsenitometry. Report No. 5: Determination of sodium chlorite and some iodine compounds. P. Norkus, S. Carankute. Trudy AN Lit. SSR. Ser. B no. 1:151-158 '64.

Use of OsO4 as a catalyst in arsenitometry. Report No. 6: Determination of hydrogen peroxide and sodium chlorite. P. Norkus, J. Valsiuniene. Trudy AN Lit. SSR. Ser. B no. 1:159-162 '64.

ARSENOPYRITE

Sublimation of arsenic from arsenopyrite ores of Tsani formation and the condensation of its vapors. V. G. Rtskhiladze, G. N. Zviadadze. Soob. AN Gruz. SSR 34 no. 1:127-134 Ap '64

ARSENOPYRITE—THERMODYNAMICS

Thermodynamics of arsenopyrite decomposition. G. N. Zviadadze, V. G. Rtskhiladze. Soob. AN Gruz. SSR 33 no. 1:175-181 Ja '64.

ART

(see also subdivision under Europe, Western)

Picture gallery. Sem'ia i shkola 19 no. 5:33 My '64.

[Soviet art; painting, sculpture, graphic arts] Sovetskoe iskusstvo; zhivopis', skul'ptura, grafika. [Moskva] Sovetskii khudozhnik, 1963. 117 p. illus.
(MH)

ART—BIBLIOGRAPHY see Bibliography—Art

ART—STUDY AND TEACHING

In the Ministry of Education of the R. S. F. S. R. Nar. obr. no. 7.122 Jl '64.

ART, EGYPTIAN

Bogdanov, A. A. [Visiting artists in the country of the Nile] U khudozhnikov strany Nila. Leningrad, Iskusstvo, 1964. 94 p. illus.

ART, LITHUANIAN

[Art; painting, sculpture, graphic arts, applied art] Daile, tapyba, skulptura, grafika, taikomoji daile. [Kaunas, Valstybine grozines lit-ros leidykla, 1961] 55 p. illus. [In Lithuanian]

ART, UKRAINIAN

Miliaieva, L. S., and H. N. Lohvyn. [Ukrainian art from the 14th to the first half of the 17th century] Ukrains'ke mystetstvo XIV - pershoi polovyny XVII st. Kyiv "Mystetstvo," 1963. 109 p. (Besidy z istorii mystetstva)

ART GALLERIES AND MUSEUMS see subdivision under Turkmenistan

ART INDUSTRIES

Osetrov, E. I. [Tale of the Firebird] Povest' o Zhar-ptitse. Moskva, Izd-vo "Legkaia industriia," 1964 152 p. illus.

ART INDUSTRIES, UKRAINIAN

The Klara Tsetkin Artel in Reshetilovka, Poltava Province. L. M Sukha Mat. z etn. ta mystetstvoznav. no. 6.3-17 '61.

ARTEMOVSK REGION—SALT MINES AND MINING

Vagrant currents at the "Volodarskii" salt mine. A. I. Borisov, S. I Nosenko Shakht stroi 8 no 4 13-14 Ap '64

ARTERIES—DISEASES

Helioaerotherapy in the compound treatment of obliterating endarteritis. G. G. Fetisova. Sbor. trud. Uz. gos. nauch.-issl inst. kur i fizioter 17.147-158 '62.

Pathological changes in the sympathetic ganglia in endarteritis obliterans. A. A. Abbasov. Dokl. AN Azerb. SSR 19 no. 6:83-87 '63

ARTERIOSCLEROSIS

(see also subdivision under Georgia, Sukhum)

Angiographic data on the lower extremities in atherosclerosis. S. S. Ivanov. Vest. rent. i rad 38 no 3 75-76 My-Je '63.

Artherosclerosis of the arteries of the conducting system of the heart and its role in the origin of arrhythmia. K. M Pozhariaskii. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:155-158 '63.

Atherosclerosis in the light of ultraviolet fluorescence and histochemical analysis. V. Kh. Anestiadi. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8.141-146 '63.

Atherosclerosis treatment with histidine. G. I. Mateshvili, S. L. Bagashvili, S. I. Andreeva. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:113-118 '63.

Bile secreting function of the liver and the chemical composition of bile in experimental cholesterol atherosclerosis in rabbits. K. I. TSintsadze, N K. Kvirikadze, V. K. Eliozishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:159-171 '63.

Bioelectric activity of the cerebral cortex in atherosclerosis. V. A. Akhobadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:93-95 '63.

Changes in protein and lipid metabolism in atherosclerosis and the effect of some therapeutic substances on it. I. M. Gandzha. Trudy Inst. klin. i eksper. kard AN Gruz. SSR 8:51-55 '63.

Changes in the electrocardiogram and ballistocardiogram in atherosclerosis. G. N. Chimakadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:125-129 '63.

Characteristics of the biochemism of the blood in atherosclerosis. B. V. Il'inskii and others. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:35-44 '63.

Combination of hypertension and atherosclerosis. K. N. Zamyslova, N. K. Beliaeva. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:101-105 '63.

Combined effect of diethylstilbestrol and testosterone on coronary circulation in experimental coronary insufficiency. N. B. Gambashidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:445-450 '63.

Comparative assay of the methods determining the degree of the development of experimental atherosclerosis. K. G. Volkova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:131-136 '63.

Content of cholesterol, lecithin, fibrinogen and prothrombin in the blood in atherosclerosis. R. I. Gvarishvili, L. S. Murguliia. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:45-50 '63.

Diabetes and atherosclerosis. I. M. Sribner. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:111-112 '63.

Diagnosis of atherosclerosis of the aorta by the piezosphygmographic method. B. S. Matsaberidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:61-65 '63.

Disorders in circulatory regulation in experimental atherosclerosis in dogs. A. L. Mikhnev and others. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:181-186 '63.

Dynamics of the serum glycoprotein fractions in experimental cholesterol atherosclerosis. O. A. Nakaidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:173-175 '63.

Effect of a stereotype on the cholesterol content in the tissues of rabbits in experimental atherosclerosis. M. K. Mikushkin. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:187-188 '63.

[illegible]

[illegible] and [illegible] of [illegible] (experimental [illegible]) [illegible] klin i eksper kard AN [illegible]

[illegible] in experimental atherosclerosis A N [illegible] Trudy Inst klin i eksper kard AN Gruz [illegible]

[illegible] diet consisting of [illegible] fats in experimental atheroma- [illegible] Trudy Inst klin i eksper kard [illegible]

[illegible] gland in atherosclerosis [illegible] Trudy Inst klin i eksper kard AN [illegible] '63

[illegible] changes in the internal organs in [illegible] I IA.Tatishvili, R V [illegible] Trudy Inst klin i eksper kard AN Gruz. [illegible]

[illegible] early diagnosis of athero- [illegible] aorta Z G [illegible] kard AN Gruz SSR 8:31-34 [illegible]

[illegible] study of the clinical aspect of [illegible] Dzhanashvili Trudy Inst [illegible] kard AN Gruz S R 8 3-19 '63

[illegible] reactions in the nervous [illegible] insufficiency with an acutely pro- [illegible] sclerosis G M TSvetkova [illegible] '62

[illegible] in atherosclerosis of the [illegible] F G Vatsadze, L G Zhgenti. Trudy [illegible] i eksper kard AN Gruz SSR 8:67-70 '63

[illegible] characteristics of the aortic wall in [illegible] atherosclerosis N M Putkaradze Trudy Inst klin i eksper kard.AN Gruz SSR 8 147-150 '63

[illegible] higher nervous activity in atherosclerosis [illegible] Trudy Inst.klin.i eksper. kard AN [illegible] 8:33-[illegible] '63.

[illegible] capillary permeability in relation to radioactive [illegible] atherosclerosis I G Kobiashvili, G S [illegible], N A Fardiani Trudy Inst klin i eksper kard AN Gruz SSR 8 57-60 '63

[illegible] heart muscle in athero- [illegible] D G Grigorian Dokl AN [illegible]

[illegible] of the hemodynamics of the kidneys in athero- [illegible] of the cardiovascular system. N L.Kikodze. Trudy Inst klin i eksper kard AN Gruz SSR 8:75-81 '63

[illegible] A and E in atherosclerosis IA.IU.Shpirt, [illegible], A I Sevriugina. Trudy Inst.klin i eksper kard AN Gruz SSR 8:107-110 '63.

X-ray study of atherosclerosis of the thoracic aorta. I V [illegible], N.M Kutateladze, O G.Gabashvili Trudy Inst klin i eksper kard AN Gruz SSR 8:21-30 '63

ARTERIOSCLEROSIS—PREVENTION

Gureckiene, Danguole. [Atherosclerosis and how to prevent it] Ateroskleroze ir kaip jos isvengti. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 31 p [In Lithuanian]
(DNLM)

ARTERIOVENOUS FISTULA see Fistula, Arteriovenous

ARTERITIS

Rare case of multiple gouty arthritis. V.S.Mamont, A K [illegible]. Vest rent i rad 38 no.3 69-70 My-Je '63

[illegible] changes of the reactivity of the body [illegible] rheumatism V B Rozen and [illegible] Pat fiz i eksp terap 7 no 6 17-20 N-D '62

Use of antibiotics in the treatment of specific monarthritis of the fingers (chinga). N.I.Batygina. Khirurgiia 40 no 2 29-32 F '64.

ARTHRITIS, RHEUMATOID

Functional state of the adrenal cortex in chronic rheumatic and rheumatoid polyarthritis and its change as a result of health resort treatment with Saryagach mineral baths and baths combined with small doses of prednisone. Report No 2. I A Kalenistova Izv.AN Kazakh SSR Ser med nauk 11 no 2·65-70 '64.

Functional state of the adrenal cortex in patients with chronic polyarthritis and its changes in the process of treatment with Saryagach mineral baths and baths combined with the use of prednisone. Report No.1. I A.Kalenistova. Izv.AN Kazakh SSR Ser.med.nauk no.1.53-65 '64.

ARTHRODESIS

Osteoblastoclastoma (giant-cell tumor). IA.G.Dubrov, O.Sh.Buachidze, F.D.Fedotov. Khirurgiia 40 no.2: 113-121 F '64.

ARTIFICIAL INSEMINATION
(see also subdivision under Ukraine; White Russia)

Effect of preserved sperm and the frequency of artificial insemination on the fertilizability and fertility of brood sows V A Akatov and others Zap Vor sel'khoz inst 17 no 2 113-119 '62

Fertilizability and fertility of brood sows artificially inseminated on a farm affected by brucellosis V A Akatov and others Zap Vor sel'khoz inst 17 no 2 121-122 '62

ARTIFICIAL ISLANDS
(see also subdivision under Azerbaijan)

All-Union conference on the problem of "Ocean waves and their Effect on Hydraulic Structures " Azerb neft khoz 42 no 9 48 S '63

Calculating the piles of offshore drilling platforms for horizontal load using two bed factors. F, M.Gadzhiev. Azerb.neft.khoz. 43 no.1·39-41 Ja '64.

ARTIFICIAL ISLANDS—EQUIPMENT AND SUPPLIES

Floating oil trap. Nefteprom.delo no.1;33 '63.

Pumping petroleum out of an oil trap. Nefteprom.delo no.1;32 '63.

ARTIFICIAL SATELLITES

The cosmic system "Electron." Kosm.issl. 2 no.3: 355-359 My-Je '64.

Ephemeris precalculation of the angular velocity of an earth satellite B.A.Firago Biul sta.opt.nabl. isk, sput Zem no 32 3-7 '63.

Geographic distribution of radiation intensity in the region of the Brazilian magnetic anomaly at an altitude of about 300 km. S.N.Vernov and others. Kosm.issl. 2 no 3:485-491 My-Je '64

Possible use of a stationary artificial earth satellite for geodesic purposes. O.S.Razumov. Izv.vys. ucheb.zav., geod.i aerof. no 6:15-33 '63.

[Space research] Ref.zhur.: Issl.kosm.prostr. nos.6-7 Je-Jl '64.

Study of the earth's radiation belts in the region of the Brazilian magnetic anomaly at altitudes between 235 and 345 km S.N.Vernov and others. Kosm.issl. 2 no 3:492-497 My-Je '64.

ARTIFICIAL SATELLITES—COMMUNICATION SYSTEMS

Petrov, V.N., and G.S.Khozin. [Radio communication in outer space] Kosmicheskaia radiosviaz'. Moskva, Izd-vo "Znanie," 1964 43 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no 13)

ARTIFICIAL SATELLITES—OPTICAL OBSERVATIONS

Selecting an optical system for observations of artificial earth satellites for timing purposes. B.I.Vlasov, A.G Zhestkov Biul sta.opt nabl isk.sput Zem. no.33· 6-11 '63

ARTIFICIAL SATELLITES—ORBITS

Determining orbital elements of the satellite 1958 δ, by photographic observations. A S.Sochilina. Biul sta. opt nabl.isk.sput.Zem. no.32,29-31 '63.

Preliminary average orbital elements of the cabin of the first Soviet spaceship (1960 ε_3) for June-September, 1962 G.A.Chebotarev, E.N.Makarova. Biul.sta. opt.nabl.isk sput.Zem. no.32·27-28 '63.

Preliminary orbital elements of the first Soviet spaceship (1960 ε_2) for July 1961-August 1962 G.A. Chebotarev, E.N.Makarova Biul.sta.opt.nabl.isk. sput Zem. no.32 24-27 '63.

ARTIFICIAL SATELLITES—RADIO OBSERVATIONS

Passive retransmitters V Kozlov, V Makienko, V Khmeliuk. Av i kosm 47 no 6,68-71 Je '64

ARTIFICIAL SATELLITES—TRACKING

Calculation of the topocentric distances of artificial earth satellites L.I.Medvedeva, B.A.Firago. Biul. sta.opt.nabl.isk.sput Zem. no.32;7-16 '63.

Conference of representatives of socialist countries on photographic methods of observations of artificial earth satellites T.V.Kasimenko. Biul.sta.opt nabl. isk.sput.Zem. no.33 19-20 '63

Crimea Station for the Observation of Artificial Earth Satellites (1960 ι_1). V.M.Mozhzherin Biul.sta. opt.nabl.isk.sput.Zem. no.33;33-34 '63

Erivan Station of Observations of Artificial Earth Satellites (1960 ε_3, 1960 ε_2). B.E.Tumanian. Biul. sta.opt.nabl.isk.sput.Zem. no.32 33 '64

Positions of Soviet artificial earth satellites (1960 ε_2 and 1960 ε_3) in 1961-1962 obtained from photographs with a sliding-film camera in Pulkovo. L.A.Panaiotov Biul.sta.opt.nabl.isk.sput.Zem no.33;20-25 '63.

Results of photographic observations of artificial earth satellites. Erivan Station of Observations of Artificial Earth Satellites (1960 ι_1). B.E.Tumanian Biul. sta.opt.nabl.isk.sput.Zem. no.32;31-32 '63.

Results of photographic observations of the "Echo-1" 1960 ι_1, satellite at the Purple Mountain Observatory of the Academy of Sciences of the Chinese People's Republic. Biul.sta.opt.nabl.isk.sput.Zem. no.32; 48-53 '63.

Station at the Tomsk University Observatory (1960 ι_1). B.T.Kharin Biul.sta.opt.nabl.isk sput Zem. no.33· 25-26 '63.

Station of the Astronomical Council of the Academy of Sciences of the U.S.S.R. (1960 ι_1). A.G.Krylov and others. Biul.sta.opt nabl.isk.sput.Zem. no.32;33-31 '63.

Station of the Astronomical Council of the Academy of Sciences of the U.S.S.R. (1960 ι_1). A.G.Krylov and others. Biul sta.opt.nabl.isk.sput.Zem no.32 [illegible] 43 '63

Station of the Astronomical Council of the Academy of Sciences of the U S S.R. (1960 ε_3, 1960 δ_1, [illegible]) IU.E.Sentsova, Z.S.Shilkina, V.A [illegible] Biul sta.opt.nabl isk.sput Zem no 32:47-[illegible] '63

Station of the Astronomical Council of the Academy of Sciences of the U S S.R. (1961 ε, 1961 α_1, 1961 [illegible], 1960 ε_1, 1960 ι_1). V.I.Belenko. Biul.sta.opt.nabl. isk.sput.Zem. no.32.43-47 '63

Tartu Station for the Observation of Artificial Earth Satellites (1960 ι_1). M.K.Liigant. Biul.sta opt nabl.isk.sput.Zem. no.33:20-33 '63.

Using the equalizing observation method for evaluating the precision of the position of an artificial earth satellite. A.A.Kiselev. Biul.sta.opt.nabl.isk sput Zem. no.32,16-24 '63.

Zvenigorod Station of the Astronomical Council of the Academy of Sciences of the U.S.S.R. (1960 ι_1) V.I Belenko and others Biul.sta.opt.nabl.isk.sput Zem no.33 20-33 '63

ARTIGAS, JOSÉ GERVASIO, 1764-1850

José Artigas, a champion of Uruguay's freedom. S.Mikhailov. Nov.vrem. 41 no.20:27-[illegible] Je '64

ARTILLERY

Characteristics of operating a self-propelled mount G.Kurdenkov, M.Dubrovin, P.Semeikin. Tekh i vooruzh. no.6;67-70 Je '64.

ARTILLERY DRILL AND TACTICS

In the struggle against slackenings and oversimplifications G.Kolesnichenko. Komm.Vooruzh.Sil 4 no.13·30-34 Jl '64.

The main thing is field training. P.Poshekhonov Voen vest 42 no 12 60-62 D '62.

The tradition of the battery is to be the best N Medvedev Voen.vest. 42 no.12;57-60 D '62

When the target is clear. A.Gal'tsev. Voen vest 42 no 12:63-65 D '62.

ARTISTS see subdivision under Orenburg; Russia, Northern

ARTISTS' MATERIALS—CATALOGS

Leningradskii zavod khudozhestvennykh krasok. [Handbook-catalog; artists' paints, oils, lacquers thinners] Katalog-spravochnik; khudozhestvennye kraski, masla, laki, razbaviteli. Leningrad, 1964. 113 p. illus.

ARYAN LANGUAGES—GRAMMAR, COMPARATIVE

Akademiia nauk SSSR. Institut slavianovedeniia. [Problems of Indo-European linguistics; etudes for a comparative historical grammar of the Indo-European languages] Problemy indoevropeiskogo iazykoznaniia; etiudy po sravnitel'no-istoricheskoi grammatike indoevropeiskikh iazykov. Moskva, Izd-vo "Nauka," 1964. 209 p.

ARYLATION

New method for preparation of aryl acetic acids V.M Naidan, A.V.Dombrovskii. Zhur.ob.khim. 34 no 5 1469-1473 My '64.

ASAF'EV, BORIS VLADIMIROVICH, 1884-1949

Orlova, E.M. [B.V.Asaf'ev; his career as investigator and journalist] B.V.Asaf'ev; put' issledovatelia i publitsista. Leningrad, Muzyka, 1964. 460 p.

ASBESTOS

[Asbestos products] Asbestovye izdeliia. Izd. ofitsial'noe Moskva, Izd-vo standartov, 1964. 96 p. (SSSR. Gosudarstvennye standarty)

ASCARIDS AND ASCARIASIS

Effect of environmental factors on the viability and infestating ability of the eggs of swine ascarids B S Moskalev, A M.Rubtsova Zap.Vor.sel'khoz inst 17 no 2·85-95 '62.

Effect of the composition of feeds of the host on the fecundity of ascarids parasitic in dogs. M.V.Nasonova Zap.Vor.sel'khoz.inst. 17 no.2;97-100 '62.

Susceptibility of sheep to swine ascarids. B.S Moskalev. Zap Vor.sel'khoz.inst 17 no.2·77-83 '62.

ASCITES

Uridine diphosphate glucose system and glycogen transformation in ascitic tumor cells. M.F.Kharchenko, I.F.Seits. Vop.onk. 10 no.2;73-81 '64.

ASCORBIC ACID

Anthocyanins and flavones during the oxidations of ascorbic acid in plants. P.A.Kolesnikov,S.V.Zore. Fiziol.rast. 11 no.3.522-528 '64.

Availability of vitamin C for rural schoolchildren on the Mangyshlak Peninsula in the spring. I.A.Simin-Severskaia. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2: 66-68 '64.

[illegible] of ascor- [illegible] M.[illegible] no [illegible]

[illegible]

[illegible]

[MICROFILM]

[illegible]

[MICROFILM]

[illegible]

[MICROFILM]

[illegible] '64.

[illegible] I.M.Heller, [illegible]

[illegible] for [illegible] with [illegible] of intermediate [illegible]

[illegible], VASILII ANDREEVICH, 1897-1964
[illegible] Je '64.

ASUAN DAM see Aswan Dam

ASTARA DISTRICT - TEA
[illegible] Je '64.

ASTRAKHAN - HOTELS, TAVERNS, ETC.
[illegible]

ASTRONAUTICS
[illegible] Inst. [illegible]

[illegible]

ASTRONOMICAL MODELS
[illegible] '64

ASTRONOMY - ABSTRACTS
[illegible] '64

ASTRONOMY - BIBLIOGRAPHY see Bibliography - Astronomy

ASTRONOMY - LABORATORY MANUALS
[illegible], M.M. [Laboratory manual for a course in general astronomy] [illegible] Moskva, [illegible] 63 p. [illegible]

ASWAN DAM
[illegible]

[illegible]

ATHEISM
(see also subdivision under Lithuania)

[illegible]

[illegible]

[illegible] [The gods stay with the people] [illegible] Vilnius, [illegible] 1963, 95 p. [In Lithuanian]

[illegible] '64

ATHEISM - AUDIO-VISUAL AIDS
[illegible] '64

ATHEISM - BIBLIOGRAPHY see Bibliography - Atheism

ATHEISM - STUDY AND TEACHING
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [Let there always be sunshine! On the atheistic education of children] [illegible] Moskva, [illegible] "Znanie," 1964. 78 p. [illegible]

[illegible] Moskva [illegible] 1964. 231 p.

[illegible]

[illegible]
[illegible] Moskva, [illegible] p.

[illegible] light of the physical education and training movement. D.S.Krylov. Teor.i prak.fiz.kul't. 27 no.6:67-70 Je '64.

ATLANTIC OCEAN - ATMOSPHERE
Long-lasting beta-activity of the atmosphere over the Atlantic Ocean in 1960. G.I.Lomonov, N.P.Ushakova. Trudy Mor. gidrofiz. inst. AN USSR 29:13-21 '64.

ATLANTIC OCEAN - BETA RAYS
Long-lasting beta-activity of the atmosphere over the Atlantic Ocean in 1960. G.I.Lomonov, N.P.Ushakova. Trudy Mor. gidrofiz. inst. AN USSR 29:13-21 '64.

ATLANTIC OCEAN - CYCLONES
Mexican cyclones. G.I.Morskoi. Trudy Mor.gidrofiz. inst. AN USSR 29:22-30 '64.

ATLANTIC OCEAN - FISHERIES - ECONOMIC ASPECTS
Economic efficiency of the use of fishing fleets in the northwestern Atlantic. [illegible] Nauch.-tekh. biul. PINRO no.2/[illegible] '64.

ATLANTIC OCEAN - FISHERIES - RESEARCH
Conditions for the fishing of [illegible] in the [illegible] Atlantic [illegible] exploitation. [illegible] PINRO [illegible]

ATLANTIC OCEAN - HERMIT CRABS
Systematic and zoogeographical position of ten bottom invertebrates of the northwestern Atlantic. K.N.Nesis. Zool.zhur. 43 no.6:[illegible] '64.

ATLANTIC OCEAN - HERRING FISHERIES
[illegible] herring fisheries in the [illegible] Atlantic. [illegible] PINRO [illegible]

ATLANTIC OCEAN - LAMELLIBRANCHIATA
Systematic and zoogeographical position of ten bottom invertebrates of the northwestern Atlantic. K.N.Nesis. Zool.zhur. 43 no.6:[illegible] '64.

ATLANTIC OCEAN - OCEANOGRAPHIC RESEARCH
Some results of optical investigations in the northern part of the Atlantic Ocean. [illegible] and others. Trudy Mor. gidrofiz. inst. AN USSR 29:[illegible] '64.

ATLANTIC OCEAN - OCEANOGRAPHY
Seventh Atlantic expedition of the Marine Hydrophysical Institute. V.P.Agafonova, [illegible] Trudy Mor. gidrofiz. inst. AN USSR 29:3-12 '64.

ATLANTIC OCEAN - PLANKTON
Preliminary results of the study of the plankton in the northern part of the Atlantic Ocean. [illegible] Trudy Mor. gidrofiz. inst. AN USSR 29:[illegible] '64.

ATLANTIC OCEAN - SEA ICE
[illegible] Atlantic and adjacent seas [illegible] Nauch.-tekh. biul. PINRO [illegible]

ATLANTIC OCEAN - SOLAR RADIATION
Diurnal variations of the radiation energy of the sun in the surface layer in connection with its optical density. V.P.Agafonova. Trudy Mor. gidrofiz. inst. AN USSR 29:[illegible] '64.

ATLASES
Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [World atlas] Atlas mira. Moskva, [illegible] p.

ATMOSPHERE
(see also subdivision under Atlantic Ocean; Baltic Sea region; Ladoga Lake region)

Annual variation of some characteristics of the boundary layer of the atmosphere over the European U.S.S.R. [illegible] Trudy GGO no.154:[illegible] '64.

[illegible] at altitudes of 8 to 11.5 km. [illegible] Izv. AN SSSR. Ser. geofiz. no.6:[illegible] Je '64.

Calculation of space trajectories of air particles. K.V. [illegible] Trudy GGO no.151:48-58 '64.

[illegible] between [illegible] circulation and the superposed [illegible] S.A.Mashkovich. Izv. AN SSSR. Ser. geofiz. no.6:[illegible] Je '64.

Methodology of calculating longwave flows in the cloudless troposphere. E.P.Barashkova. Trudy GGO no.152:[illegible] '64.

[illegible] of [illegible] methods for sampling radioactivity in the air. [illegible] Trudy AN Lit. SSR. Ser. B no.1:[illegible] '64.

Structure of the boundary layer of the atmosphere at different [illegible] L.R.Orlenko. Trudy GGO no.150:[illegible] '64.

Study of the relationship of the profiles of meteorological elements with underlying surface characteristics. A.K.[illegible] Trudy UkrNIGMI no.[illegible] '63.

[illegible] elements in the [illegible] of the [illegible] Trudy [illegible] '63

ATMOSPHERE—CIRCULATIONS

[illegible] atmosphere [illegible] '64

ATMOSPHERE, UPPER

[illegible], I. N. [Upper layers of the atmosphere] Vy-[illegible]. Leningrad, Gidrometeoizdat, 1964. [illegible] p.

ATMOSPHERIC NUCLEATION see subdivision under Soviet Far East, Ukraine

ATMOSPHERIC PRESSURE

[illegible] of atmospheric [illegible] G. D. [illegible]

ATMOSPHERIC TEMPERATURE
(see also subdivision under Arctic regions)

[illegible] F. I. [illegible] '64

[illegible] structure of the temperature [illegible] IU. A. Glag[illegible] [illegible] 547-552 Je '64

[illegible] including the mean air temperature [illegible] on the basis of regular [illegible] D. A. [illegible] Trudy [illegible]

Regulation of atmospheric temperature. I. Zaltsman. Av. i kosm. 45 no. 5:76-83 My '64

[illegible] 55-20 km layer. L. A. [illegible] '64

[illegible] structure stratification of the [illegible] of 45 km. IU. V. [illegible] I. A. [illegible] Trudy TSAO no. 52:53-[illegible] '64

ATMOSPHERIC TRANSPARENCY
(see also subdivision under Baltic Sea region)

[illegible] spectral brightness distribution for a [illegible] parameter model of the [illegible] K. Fagan, F. P. Biutner. Trudy GGO [illegible] '64

Measurement of the transparency of the atmosphere in the [illegible] mm band. V. IA. Riadov, N. I. Furashov, G. A. Shar[illegible] Rad. tekh. i elektron. 9 no. 6:943-949 Je '64

ATMOSPHERIC TRANSPARENCY—TABLES, ETC.

Tables for calculating the spectrum of particles of a [illegible] on the basis of its transparency. [illegible], S. IA. Perel'man, L. K. Porokhina. Trudy GGO no. 152:162-[illegible] '64

ATMOSPHERIC TURBULENCE
(see also subdivision under Black Sea region; Kazakhstan, Krivoy Rog)

Atmospheric ozone and jet streams. G. P. Gushchin, I. A. [illegible] Trudy GGO no. 154:20-29 '64

Dependence of the extent of the dispersion of particles emitted by a constant source on the time interval of [illegible] E. K. Biutner. Trudy GGO no. 150 78-84 '64

Some characteristics of the lowest layer of the atmosphere in the presence of clouds. L. I. Sakali. Trudy UkrNIGMI no. 36:40-55 '63.

Some results of the experimental investigation of the structural and energy characteristics of turbulence [illegible] M. A. German. Trudy GGO no. 154:46-57 '64.

Turbulence in jet streams in the presence of a geostrophic wind shift. D. L. Laikhtman, E. K. Biutner. Trudy GGO no. 150 63-68 '64.

Vertical turbulent exchange in the lowest layer of the atmosphere. S. S. Zilitinkevich. Trudy GGO no. 150 31-35 '64.

ATOMIC BONDS

Evaluation of the strength of the interatomic bond in alloys of the system titanium-niobium-chromium. K. I. Shalhova, P. B. Budberg. Soob AN Gruz. SSR 34 no. 1 133-140 Ap '64

ATOMIC ENERGY

Brief news. Atom. energ. 16 no. 6:548 Je '64.

ATOMIC ENERGY—BIBLIOGRAPHY see Bibliography—Atomic energy

ATOMIC ENERGY—ECONOMIC ASPECTS

Editorial comment. Nov. vrem. 21 no. 26:1-2 Je '64.

ATOMIC POWER PLANTS
(see also subdivision under Beloyarsk)

Operational experience of the world's first atomic power plant. G. N. Ushakov and others. Atom. energ. 16 no. 6 484-488 Je '64

ATOMIC SPECTRA

"Optical atomic spectra." S. E. Frish. Reviewed by M. A. El'iashevich. Usp. fiz. nauk 83 no. 3 574-575 Jl '64

Polarization in neutron scattering by nuclei with rotational and vibrational spectra. V. S. Ol'khovskii, IU. V. TSekhmistrenko. Ukr. fiz. zhur. 9 no. 2 220-223 F '64.

ATOMIC SUBMARINES
(see also subdivision under United States)

Bukalov, V. M., and A. A. Narusbaev. [Design of atomic submarines; from materials in the foreign press] Proektirovanie atomnykh podvodnykh lodok, po materialam inostrannoi pechati. Leningrad, Sudostroenie, 1964. 267 p.

Navigation of atomic submarines. P. Sur. Starsh.-serzh. no. 6:24-25 Je '64

ATOMIC WARFARE AND SOCIETY see subdivision under United States

ATOMIC WEAPONS—INTERNATIONAL CONTROL

The Communist Party of Japan and my convictions. Yoshio Shiga. Nov. vrem. 21 no. 28:5-10 Jl '64.

ATOMS—SCATTERING

Effect of elastic scattering on resonance charge exchange in slow collisions. B. M. Smirnov. Dokl. AN SSSR 157 no. 2 325-327 Jl '64

ATROPHY, MUSCULAR

Studies on the localization of contractile muscle proteins following denervation with the aid of labeled antibodies. M. B. Kalamkarova and others. Biofizika 8 no. 6 686-698 '63.

Use of electrophysiological methods in the differential diagnosis of progressive muscular atrophies in children. A. I. Lepukal'n. Zhur. nevr. i psikh. 63 no. 7 967-973 '63.

ATROPINE

Effect of atropine on skin polarizing potentials. V. K. Vasil'eva. Nerv. sist. no. 3:62-68 '62

Photocolorimetric method for quantitative determination of atropine sulfate and belladonna extract in medicinal mixtures. O. V. IAshchenko. Farmatsev. zhur. 18 no. 4 46-51 '63.

AUDIO-VISUAL EDUCATION

Let's use more widely the audio-visual aids in education. N. Shakhmaev, D. Poltorak. Nar. obr. no. 7 Supplement 16 p. Jl '64

AUDITING AND INSPECTION
(see also subdivision under Golyshmanovo District)

Nakoriakov, V. N. [Closer to life and production] Blizhe k zhizni, k proizvodstvu. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 11)

[The party-state control in operation] Partiino-gosudarstvennyi kontrol' v deistvii. Moskva, Sovetskaia Rossiia, 1964. 155 p.

State control in the first years of Soviet power. A. I. Koniaev. Ist. SSSR 8 no. 1:30-51 Ja-F '64.

AUDITING AND INSPECTION—CONGRESSES

Conference of chief auditors. Den. i kred. 22 no. 6:94-95 Je '64

AUJESZKY'S DISEASE see Pseudorabies

AUREOMYCIN AS FEED

Effectiveness of biomycin on the fattening of meat-type swine on various feeds. L. Luksys. Trudy Bel. nauch.-issl. inst. zhiv. 3 287-303 '62.

Use of crystal biomycin and vitamin D_2 in swine fattening. F. A. Cherches. Trudy Bel. nauch.-issl. inst. zhiv. 3:304-311 '62

AUSTENITE

Rate of carbon diffusion during the transformation of laminar perlite to austenite. M. M. Zamiatnin. Trudy NIITVCH no. 4:64-69 '63.

AUSTRALIA—COAL MINES AND MINING

Through Australia and New Zealand. A. Semenov, G. Kononchuk. Sov. shakht. 12 no. 9:44-46 S '63.

AUSTRALIA—ECONOMIC GEOGRAPHY

Mukhin, G. I. [Australia; physical geography and economic geography surveys. A textbook for the teacher] Avstraliia; fiziko-geograficheskii i ekonomiko-geograficheskii obzory. Posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 291 p. 2 maps illus. 2 maps (insert)

AUSTRALIA—PHYSICAL GEOGRAPHY

Mukhin, G. I. [Australia; physical geography and economic geography surveys. A textbook for the teacher] Avstraliia; fiziko-geograficheskii i ekonomiko-geograficheskii obzory. Posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 291 p. illus. 2 maps (insert)

AUSTRALIA—SHEEP

Sheep raising in Australia. N. Dukmasov. Ekon. sel'khoz. 34 no. 1:104-110 D '63.

AUSTRIA—INVESTMENTS, WEST GERMAN

More "anschluss" plans. N. Koliabev. Nov. vrem. 21 no. 28:20-21 Jl '64

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Book of wanderings; tale. Konstantin Paustovskii. Nov. mir 39 no. 10:63-119 O '63.

Shklovskii, V. B. [Once upon a time; reminiscences, diaries, and tales about the times from the end of the 19th century up to 1962] Zhili-byli; vospominaniia, memuarnye zapisi, povesti o vremeni s kontsa XIX v. po 1962 g. Moskva, Sovetskii pisatel', 1964. 491 p.

AUTHORS, UKRAINIAN

[Ukrainian writers; a biobibliographic guide in five volumes] Ukrains'ki pys'mennyky, bio-bibliohrafichnyi slovnyk u p'iaty tomakh. Kyiv, Derzhlitvydav.
Vol. 3. Pyvovarov, M., G. Syniavs'ka, and K. Fedorytenko, comps. [The prerevolutionary period (the 19th and beginning of the 20th century). N - IA] Dozhovtnevyi period (XIX - poch. XX st.) N - IA. Vyd. red. P. K. Volyns'kyi. 1963. 805 p.

AUTOBIOGRAPHIES

People of labor tell about their time and about themselves. I. Kliuchareva. Nar. obr. no. 6 111-113 Je '63

AUTOIMMUNE DISEASES

Autoimmune processes in the goiter tissue in thyrotoxicosis. V. B. Zolotarevskii. Vest. AMN SSSR 18 no. 11:41-46 '63

Dynamics of autoimmunological reactions during development of experimental heart lesions. A. M. Mon[illegible] Vest. AMN SSSR 18 no. 11:38-42 '63.

Experience with the experimental reproduction of a systemic lesion of the connective tissue. V. I. Ioffe and others. Vest. AMN SSSR 18 no. 11:29-38 '63

General morphology of immunological processes under experimental and clinical conditions. A. I. Strukov. Vest. AMN SSSR 18 no. 11 13-18 '63.

Some problems in immunology and immunomorphology of Masugi nephritis. V. V. Serov, L. M. Khan. Vest. AMN SSSR 18 no. 11:50-58 '63.

AUTOMATA

Periodicity properties of events represented in finite automata. IU. I. Liubich. Ukr. mat. zhur. 16 no. 3:396-402 '64.

Representation of coded regular events in abstract finite automata. N. V. Krylov. Ukr. mat. zhur. 16 no. 3:385-399 '64.

Turing machines and finite automata. V. L. Makarov. Sib. mat. zhur. 5 no. 1:102-109 Ja-F '64.

Universality problems in the theory of growing automata. IA. M. Barzdin'. Dokl. AN SSSR 157 no. 3:542-545 Jl '64.

AUTOMATIC CONTROL

Adjustment of an impulse device controlling the loading of ball mills according to a "level" pulse. V. S. Timoshin, S. M. Komarov. Energetik 12 no. 4 12-14 Ap '64

All-Union conference on the automatic control of petroleum refining processes. Khim. i tekh. topl. i masel 7 no. 10 O '62.

Approximate equivalent transfer function of RLC and RC carrier frequency circuits. V. I. Hostev. Avtomatyka 9 no. 3:55-60 '64.

Automatic condensation tap in heating equipment without fans. U. IU. Ibikus, N. I. Karasev, V. N. Shatokhin. Nauch. trudy KNIUI no. 11:236-240 '62.

Automatic control limiting the effects of chain breakage in a double-chain conveyor and protecting it from overloading. M. N. Gumaniuk, A. V. Novikov. Ugol' Ukr. 6 no. 4:30-31 Ap '64.

Automatic control of a machine for producing hollow flooring. A. S. Bulatkin. Transp. stroi. 13 no. 12:30-31 D '63.

Automatic control of a unit for obtaining a neutralized metal contact. I. S. Romanov, V. N. Kuznetsov. Neftepr. i neftekhim. no. 6:41-42 '63.

Automatic control of feeders on mine stationary conveyer lines loaded at several points. N. I. Rebrov. Nauch. trudy KNIUI no. 11:171-181 '62.

Automatic control of heating equipment without fans. U. IU. Ibikus and others. Nauch. trudy KNIUI no. 11:231-236 '62.

Automatic control system for the mercerization process developed by the Curtolds Company. L. V. Saulova, IU. L. Bezusiak. Khim. prom. [Ukr.] no. 1:67-69 Ja-Mr '63.

Automatic control systems for electric furnace departments of glass fiber plants. V P. Krasin, A. S. Krasiko, E. A. Skvarko. Izv. vys. ucheb. zav., energ. 7 no. 5 103-105 My '64

Automatic sampler for petroleum polluted waters. N F. Reznik, S. I. TSitovich Transp i khran nefti no. 3:25-27 '63.

Automation of boilers operating on gas obtained during the degasification of a mine. A. G. Volkov. Nauch. trudy KNIUI no. 11:242-253 '62.

Automation of the starting up of an electric mine locomotive with alternating current. R. Z. Ikramov, I. M. Stoliarov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4: 153-157 '64.

Bendik, P. I., and A. M. Lapides. [Automatic control and measuring equipment on ships] Sudovye kontrol'no-izmeritel'nye pribory. Moskva, Voenizdat, 1964. 371 p.

Bespalov, N. V., and I. S. Malkis. [Automatic control of communications in petroleum pipeline transportation] Avtomatizatsiia sviazi na nefteprovode. Moskva, Izd-vo "Nedra," 1964. 53 p.

Calculation of transient processes in nonlinear automatic control systems. Zh B. Linkovskii Izv. vys. ucheb. zav.; elektromekh 7 no. 6:752-753 '64.

Changing the speeds of a hoisting machine with drive from an asynchronous motor in stepped-relay multiposition control. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:224-231 '62.

Check of the work capacity and search of faults in functionally connected systems. E. S. Sogomonian. Avtom. i telem. 25 no. 6:980-990 Je '64.

Cognitive system "Alpha" as a predictive filter and optimalizing controller without hunting. O. H. Ivakhenko, L. I. Voronova. Avtomatyka 9 no. 3:23-40 '64.

Comparison of numbers represented in the Gray code. M. V. Chkheidze, IU. S. Manukian, G. A. Machavariani. Soob. AN Gruz. SSR 33 no. 1:183-190 Ja '64.

Consideration of delay constant in the simulation of electronic and ionic automatic control systems. IU A Bortsov, V. V. Laptev. Izv. vys. ucheb. zav.; elektromekh. 7 no. 6:757-760 '64.

Construction of Gray code counters. IU. S. Manukian and others Soob AN Gruz. SSR 31 no 3 655-660 S '63

Criterion of the stability of multidimensional systems with amplification coefficients increasing without bounds P. I. Chyneev. Avtomatyka 9 no. 3:18-22 '64.

Designing communication channels with a periodically varying load for oil field depth-measurement devices. I. A. Kuliev. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1 91-96 '64.

Determination of an optimal "impulse transfer function" in linearizing a nonlinear control object having one input and one output. Zh. B Linkovskii, V. K Morozov Izv. vys. ucheb. zav., electromekh. 7 no. 4, 405-409 '64

Dynamic properties and tuning of systems with impulse controllers. O. K. Kruh. Avtomatyka 9 no. 3:3-17 '64.

Effect of automation and remote control on the reduction of the cost of gas transportation. B I. Samoilovich. Gaz. prom. 7 no. 12:49-51 '62.

Elgonbrot, V. M. [Means of optimalizing control] Sredstva ekstremal'nogo regulirovaniia. Moskva, Vses. zaochnyi in-t pishchevoi promyshl., 1963. 21 p.

[MICROFILM]

Experience in the automatic control of intermediate petroleum pipeline pumping stations E I. Dizenko. Transp. i khran. nefti no. 3:7-10 '63.

Fast-reaction system of stepped-relay control for mine hoisting machinery with asynchronous drive. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:213-221 '62.

Features of an automatic control system containing links with invariant action. V. A. Borisov. Izv. vys. ucheb. zav.; elektromekh. 7 no. 6:724-729 '64.

Foreign experience in the automatic processing of information in remote-control enterprises of the petroleum industry. M. IA. Ginzburg. Neft. khoz. 42 no. 3:66-70 Mr '64.

Frequency criteria on the absolute stability of processes in nonlinear automatic control systems. B. N. Naumov, IA. Z. TSypkin. Avtom. i telem. 25 no. 6:852-867 Je '64.

Further problems in the general automation of petroleum fields. R. IA. Isakovich. Nefteprom. delo no. 1:11-12 '63.

Gal'perin, I. I. [Automatic control as unilateral mechanics] Avtomatika kak odnostoronniaia mekhanika. Moskva, Izd-vo "Energiia," 1964. 262 p.

Gavrilov, A. N., ed. [Manufacture of instruments and means for automatic control; manual in five volumes] Priborostroenie i sredstva avtomatiki; spravochnik v piati tomakh. Moskva, Mashinostroenie.

Vol. 2. [Construction and calculation of devices] Konstruktsiia i raschet priborov.

Book 2. Shchedrovitskii, S. S., ed. [Measuring instruments and their electrical components] Izmeritel'nye pribory i ikh elektricheskie elementy. 1964. 391 p.

Vol [illegible]

T. [illegible]

B. [illegible]

[illegible]

391 p.

Gizatullin, R. K. [Dual control of the fuel pumps of diesel locomotive engines] Dvoinaia regulirovka toplivnykh nasosov teplovoznykh dizelei. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 23 p.

[MICROFILM]

Industrial testing of an experimental sample of automatic conveyer scales. V. K. Donis, IU. A. Turtanov. Nauch. trudy KNIUI no. 11:200-204 '62.

Invariance in combined regulation diagrams. N. V. Arsiutkin, A. E. Trop. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:157-162 '64.

Invariance to £ and criticality of the tuning of invariance conditions in nonlinear automatic control systems V. V Pavlov, V. H Babchuk. Avtomatyka 9 no. 3:70-72 '64

Kachan, I. K., and A. I. Sultanovich. [Spark-proof equipment for automatic control in the oil and gas industry] Iskrobezopasnaia apparatura avtomatiki v neftianoi gazovoi promyshlennosti. Moskva, Nedra, 1964. 123 p.

Kaplan, L. G. [Repair of the automatic control equipment of refrigeration plants] Remont priborov avtomatiki kholodil'nykh ustanovok. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 46 p. (V pomoshch' kholodil'shchiku)

Katys, G. P. [Photoelectric scanning devices for search and tracking systems] Skandiruiushchie fotoelektricheskie ustroistva poiska i slezheniia. Moskva, Izd-vo "Nauka," 1964. 149 p.

Kolokolov, M. V., V. R. Komovskii, and N. V. Mon'iakov. [Standardized transistor components for use in the construction of automatic control systems] Tranzistornye unifitsirovannye elementy dlia postroeniia skhem avtomatiki. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 4)

Krasovskii, E. P., and A. G. Shapovalenko. [Automatic control of asynchronous motors] Avtomaticheskoe upravlenie asinkhronnymi dvigateliami. Kiev, "Tekhnika," 1964. 170 p. (Bibliotechka po avtomatike)

Mekler, A. G. [Automatic control of hoisting and conveying machines and systems] Avtomatizatsiia upravleniia pod"emno-transportnymi mashinami i sistemami. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Pribory i elementy avtomatiki)

Melik-Shakhnazarov, A. M., and T. M. Aleiv. [Instruments and methods for automatic control in the oil and gas industry] Pribory i sredstva avtomaticheskogo kontrolia v neftianoi i gazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 271 p.

Method for determining the transfer functions of the links of a self-oscillatory system using oscillograms of variable quantities. P. P. Sheiko. Avtomatyka 9 no. 3: 73-78 '64.

Methods for determining the static characteristics of a controlled member and methods for determining the weight of the controlling effects (algorithmation of the controlled member). Avtomatyka 9 no. 3:79-87 '64.

Minimax in the theory analytical design of controllers. V. P. Grishin. Avtom. i telem. 25 no. 6:868-880 Je '64.

Mining area used as an object for regulating concentrations of methane. I. M. Mester. Nauch. trudy KNIUI no. 11:155-162 '62.

Modernization and reorganization for automation of rock handling complexes in operational Karaganda Basin mines. N. G. Shchukin, P. I. Lavrinenko. Nauch. trudy KNIUI no. 11:253-257 '62.

Moscow. Institut avtomatiki i telemekhaniki. [Theory and application of automatic systems] Teoriia i primenenie avtomaticheskikh sistem. Moskva, Izd-vo "Nauka," 1964. 342 p.

Moscow. TSentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Collection of articles on the automation of stationary equipment] Sbornik statei po avtomatizatsii statsionarnykh ustanovok. Moskva, 1962. 65 p. (Seriia: Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie)

[MICROFILM]

Networks of high-speed phase-sensitive magnetic amplifiers. V G. Antoshin. Sbor. nauch. trud KGRI no 21 234-239 '63

New diagrams for the automatic control of electric arc and electric slag welding processes. V. V. Stepanov, G. F. Kriger. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3:21-34 '64.

Numerical method of solution of certain problems of optimum control. B. N. Pshenichnyi. Zhur. vych. mat. i mat. fiz. 4 no. 2:292-305 Mr-Ap '64.

Operation of automatic equipment at the Degtyarka copper mine. A. M. Imshenetskii, V. D. Veter. Ugol' Ukr. 8 no. 5:44-45 My '64.

Operation of specific-weight gauges in a thermal-cracking unit. M. Z. Khaet, A. A. Balakirev, M. I. Lishnevskii. Nefteper. i neftekhim. no 6:36-40 '63.

Optimal processes with respect to speed in linear controlled systems with delayed action. G. L. Kharatishvili. Soob. AN Gruz. SSR 33 no. 1:3-7 Ja '64.

Optimization of controlled systems with random parameters IU. V. Kozhevnikov. Prikl. mat. i mekh. 28 no. 3:537-541 My-Je '64.

Outline of the history of the Institute of Automatic and Remote Control for the period 1939-1964. A. V. Khramoi. Avtom. i telem. 25 no. 6:753-762 Je '64.

The PMK-2 device for automatic switching on of reserve power transformers. S M. Berezniak. Ugol' Ukr. 8 no. 5:43-44 My '64.

Pashentsev, I. D., and V. R. Kamovskii. [Transistorized magnetic amplifier for transducers controlling the parameters of automatic control processes] Magnitopoluprovodnikovyi usilitel' dlia datchikov, kontroliruiushchikh parametry protsessov avtomaticheskogo regulirovaniia. Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 2)

Possibility of maintaining the blast conditions of a blast furnace at the optimum level S A Vorob'ev, E G Mironov Izv vys ucheb zav, chern met 7 no 6 191-198 '64

Prediction technique and its application using high-speed analog computers. F. B. Gul'ko and others. Avtom. i telem. 25 no. 6:896-908 Je '64.

Problem concerning the existence of optimum control of a linear system with arbitrary perturbation F M. Kirillova. Sib. mat. zhur 5 no 1:86-93 Ja-F '64

Problem of a distributor optimizing within an interval. A. A. Bilusin. Dokl. AN SSSR 157 no. 2 295-298 Jl '64.

Problems of measurement in centralized control and management systems B M IAkobson, G K Dmitriev Izm tekh no 4 21-25 Ap '64

Questionnaire language and abstract synthesis of minimal sequence machines. A. A. Tal'. Avtom. i telem. 25 no. 6:946-962 Je '64.

The RDK-2 automatic regulator for stabilizing the operation of the "Karaganda" cutter-loader in a vertical plane. V. F. Byr'ka, E. F. Fedorov. Nauch. trudy KNIUI no. 11: 162-171 '62.

Realization of extrapolating filters with exponential smoothening. B IU Mandrovs'kyi-Sokolov Avtomatyka 9 no. 3:67-69 '64.

Selecting the parameters of the automatic control of tower systems for the production of sulfuric acid A N TSeitlin Khim prom [Ukr] no 1 60-64 Ja-Mr '63

Solution of certain matrix inequalities encountered in nonlinear regulation theory. V. A. Iakubovich Dokl. AN SSSR 156 no. 2:278-281 My '64.

Stability of systems with unlimited rising gain. O. M. Kostiuk. Avtomatyka 9 no. 3:90-94 '64.

Stabilization of automatic control systems with variable structures using inertial links with variable time constants. S. V. Emel'ianov, V A. Taran. Avtom. i telem. 25 no. 6, 881-886 Je '64.

Stabilized current generator for deep-well measurements. G. L Orlov Izv vys ucheb. zav., neft' i gaz 6 no 5 91-95 '63

Starting an asynchronous motor by acceleration and current. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:221-224 '62.

Statistical method for determining essentially nonlinear characteristics of objects of automatic control. S. IA. Raevskii. Avtom. i telem. 25 no. 6, 909-916 Je '64.

Stepanov, A. D. [Automatic power control for diesel and gas-turbine locomotives] Avtomaticheskoe regulirovanie moshchnosti v teplovozakh i gazoturbovozakh. Moskva, Izd-vo "Mashinostroenie," 1964. 298 p.

Stepwise approximation of optimum control. IU. N. Ivanov Prikl. mat. i mekh. 28 no. 3:528-533 My-Je '64.

Stresses in the walls of soft containers when liquid petroleum products are transported in them by trucks. B. I. Petrakov. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:85-89 '64.

Study of digital control systems using logarithmic characteristics methods. B. K. Chemodanov, G I. Feklisov. Elektrichestvo no. 6:49-56 Je '64.

Study of the dynamics of an adaptive control system with a model containing nonlinear object characteristics and variable parameters. I. N. Krutova, V. IU. Rutkovskii. Avtom. i telem 25 no. 6:887-895 Je '64.

Studying the dynamics of automatic conveyer scales. V. F. Byr'ka, V. K. Donis, IU. A. Turtanov. Nauch. trudy KNIUI no. 11:192-200 '62.

Studying the stepped-relay system of automatic control of a hoisting machine with an asynchronous drive by means of a phase plane. IU. S. Levidov. Nauch. trudy KNIUI no. 11:208-213 '62.

Sufficient conditions of absolute stability for a class of automatic control systems V. A. Brusin. Dokl. AN SSSR 157 no. 2:299-302 Jl '64.

Technological principles for the control of cupola melting. IU. S. Sukharchuk. Izv. vys. ucheb. zav., mashinostr. no. 1 15-27 '64.

Theoretical investigation of a parametric pulse-width telemetering device. I. M. Mester. Nauch. trudy KNIUI no. 11:292-299 '62.

Theory of optimal systems with residual effect. M. I. Imanaliev, K. B. Kekishov. Prikl. mat. i mekh. 28 no. 3:534-536 My-Je '64.

Universal pulsating elements. IA. M. Barzdin'. Dokl. AN SSSR 157 no. 2:291-294 Jl '64.

Work of the Institute of Automatic and Remote Control in the field of technical cybernetics during 1939-1964. V. A. Trapeznikov. Avtom. i telem. 25 no. 6:747-752 Je '64.

[illegible] Automatic and Remote Control on the development of the theory of automatic control during 1939-1964. A.V.Khramoi. Avtom.i telem 25 no.6:783-807 Je '64.

Work on the development of systems and principles of automatic control at the Institute of Automatic and Remote Control during 1939-1964. Avtom.i telem. 25 no.6:807-851 Je '64.

Zakharashevich, I. A., D. V. Smagin, and R. N. Grinfel'd. [Concise manual on automatic controllers of boiler systems] Avtomaticheskie reguliatory kotel'nykh ustanovok, kratkii spravochnik. Moskva, Izd-vo Mashinostroenie," 1964. 175 p

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref.zhur.: Avtom., telem.i vych.tekh. no.7 Jl '64.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC PILOT (AIRPLANES)

Self-adjusting automatic pilots. V.Bodner. Av.i kosm. 47 no.7,26-30 Jl '64.

AUTOMATIC TIMERS

Automatic time service A. A. Logvinenko, IU. V. Fridel'. Biul.sta.opt nabl.isk sput Zem no 33:3-6 '63

Vinnikov, E. M. [Measurement and reproduction of short time intervals] Izmerenie i vosproizvedenie korotkikh intervalov vremeni. Moskva, Standartgiz, 1963. 111 p.

AUTOMATION
(see also subdivision under Ukraine)

[The ABC's of automation] Azbuka avtomatiki; sbornik. Moskva] Molodaia gvardiia, 1964. 349 p.

Automated concrete product plants I I.Mokhov. Biul stroi tekh 21 no.1 40 Ja '64

Automation of petroleum-trap and sewerage pumping stations. R. N. Nazipov. Transp.i khran.nefti no.3: 26-29 '63.

Automation of the process of sterilization of drugs in the drugstore. A. I. Svirkov. Apt.delo 12 no.2:60-63 Mr-Ap '63.

Branched mine conveyer lines as an object of automation. N. I. Rebrov, E. N. Protasov. Nauch.trudy KNIUI no.11: 181-186 '62.

Economic efficiency of petroleum-production automation abroad. A.M.Pliushch. Mash.i neft.obor. no.3: 38-39 '63.

Efficient design of automation system, for branched mine conveyer lines. N. I. Rebrov. Nauch.trudy KNIUI no.11: 186-192 '62.

Eidel'nant, I. B. [Automation of typesetting and the printer's corrections; a survey] Avtomatizatsiia nabora i izdatel'skaia korrektura; obzor. Moskva, Vses. nauchno-issl. in-t poligraficheskoi promyshlennosti, 1963. 63 p. (Informatsionnye materialy)

Grube, A. E., and V. I. Sanev. [Automation of the machining of parts in the woodworking industries] Avtomatizatsiia stanochnoi obrabotki detalei v derevoobrabatyvaiushchei promyshlennosti Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 540 p.

Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Mechanization and automation of lumbering; abstracts of research and experimental design papers completed by institutes and designing organizations of the lumbering industry in 1961] Mekhanizatsiia i avtomatizatsiia lesozagotovok; sbornik referatov nauchno-issledovatel'skikh i opytno-konstruktorskikh rabot, vypolennnykh institutami i proektnymi organizatsiiami lesnoi promyshlennosti v 1961 g. Moskva, 1962. 195 p.
[MICROFILM]

Kleimenov, A. E. [Mechanization and automation of the operations of station ticket and cash offices] Mekhanizatsiia i avtomatizatsiia biletnokassovykh operatsii na vokzalakh. Moskva, Transport, 1964. 106 p. (Bibliotechka rabotnika vokzala)

Malinovskii, B. N. [Digital control systems and the automation of production] TSifrovye upravliaiushchie mashiny i avtomatizatsiia proizvodstva. Moskva, Mashgiz, 1963. 287 p.
(CStmoR)

Malov, A. N. [Mechanization and automation of assembly work in the instrument industry] Mekhanizatsiia i avtomatizatsiia sborochnykh rabot v priborostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 351 p.

Metrological problems in automatically controlled production. M.A.Zemel'man, N.M Karelin, V.I Kiparenko Izm.tekh. no.4 19-20 Ap '64.

Selection of technological flow sheets for working machines and automatic lines in founding L.E.Kisilenko. Izv. vys.ucheb.zav., mashinostr. no.1:225-233 '64.

Skrynnik, V. N. [Design of automatic lines consisting of machine-tool units; survey of foreign engineering] Proektirovanie avtomaticheskikh linii iz agregatnykh stankov; obzor zarubezhnoi tekhniki. Moskva, TSentr. in-t tekhniko-ekon. informatsii, 1962. 98 p.
[MICROFILM]

tion

AUTOMOBILE DRIVERS

[Amateur driver] Avtomobilist-liubitel'. [Moskva] Izd-vo "Fizkul'tura i sport," 1963. 119 p.

AUTOMOBILE INDUSTRY see subdivision under Minsk

AUTOMOBILES
(see also subdivision under Czechoslovakia)

[Amateur driver] Avtomobilist-liubitel'. [Moskva] Izd-vo "Fizkul'tura i sport," 1963. 119 p.

AUTOMOBILES—AERODYNAMICS

Present state of aerodynamic studies of automobiles E.V Mikhailovskii Trudy GSKHI 11 no 1 45-80 '61

AUTOMOBILES—MAINTENANCE AND REPAIR

Borskii, B. A., and S. N. Zav'ialov. [Continuous lines for the maintenance of automobiles] Tekhnicheskoe obsluzhivanie avtomobilei na konveiere. Moskva, Transport, 1964. 82 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

Movable shop for repairing valve-actuating gears of automobile engines. Mashinostroenie no.1:114 Ja-F '64.

Repairing the body of the M-21 "Volga" automobile A Khliavich, A. Tregubov Avt.transp. 42 no.6 31-35 Je '64

AUTOMOBILES, RACING see subdivision under Monte Carlo

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTORADIOGRAPHY

Microradioautography of the cerebellum and pons Varolii. Kh. A. Getsel'. Nerv. sist no.3:28-32 '62.

AUTOTHERAPY

Autovaccines in the treatment of septic conditions in children. A D. Khristich, T B. Gorgiev Vest.khir 91 no 10 96-99 O '63

AUTOTROPHIC BACTERIA see Bacteria, Autotrophic

AVALANCHES
(see also subdivision under Tien Shan)

A case of a mud slide. P.G.Shengeliia, L.N.Zhgenti. Trudy Inst.energ.AN Gruz.SSR 17:9-14 '63.

AVARIC LANGUAGE—ACCENTUATION

One case of the transfer of accent in the Avaric language. Z. N. Dzhaparidze. Soob. AN Gruz. SSR 34 no. 1:221-225 Ap '64.

AVARSKOYE KOYSU VALLEY—EARMARKS

Contemporary ear marks used by cattle farmers of the Avarskoye Koysu Valley Z. N. Dzhaparidze Soob. AN Gruz SSR 31 no. 3 757-764 S '63

AVIATION MEDICINE

Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriate dietary regimen. N.S.Zaiko, M.I.Kuznetsov, N.A.Chelnokova. Biul.eksp.biol.i med. 56 no.8:11-13 Ag '63.

AVICENNA, 980?-1037

Book about "Complex drugs" by Ibn-Sina (Avicenna). S. A. Reshetnikov. Apt. delo 12 no. 2:92-94 Mr-Ap '63.

AXILLA—TUMORS

Hibernoma of the axillary region. IU. V. Postnov. Vop. onk. 8 no. 10:90-91 '62.

AZELAIC ACID

Synthesis of dinitriles of azelaic and sebacic acids. M. I. IAkushkin, V. P. Bochkova. Khim. prom. no. 4:272-275 Ap '64.

AZEPINONE

Production of high-purity caprolactam. K. A. Kornev, A. P. Hrekov, V A. IAnchivs'kyi. Khim. prom. [Ukr.] no. 1:16-17 Ja-Mr '63

AZERBAIJAN—ADMINISTRATIVE AND POLITICAL DIVISIONS

[Administrative and political division of the Azerbaijan S. S. R. as of October 1, 1963] Azerbaidzhanskaia SSR; administrativno-territorial'noe delenie na 1 oktiabria 1963 goda. Izd. 2. Baku, Azerneshr, 1964. 257 p.

AZERBAIJAN—ARTIFICIAL ISLANDS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Construction of precast reinforced concrete offshore piers; work practice of the Azerbaijan Offshore Construction Trust] Stroitel'stvo morskikh transportnykh estakad iz sbornogo zhelezobetona; opyt raboty tresta, "Azmorneftestroi." Moskva, Gosstroiizdat, 1963. 20 p.
[MICROFILM]

AZERBAIJAN—BITUMEN—GEOLOGY

Distribution of bitumens and organic carbon in Sarm[illegible] sediments in the zone of the Chatmino-Geokchay [illegible] clinorium M R. Abdullaev Dokl AN Azerb SSR [illegible] no 4:51-53 '64

AZERBAIJAN—CARBON

Distribution of bitumens and organic carbon in S[illegible] sediments in the zone of the Chatmino-Geokchay [illegible] clinorium. M. R Abdullaev. Dokl AN Azerb SSR [illegible] no 4 51-53 '64

AZERBAIJAN—CORALS, FOSSIL

New Late Jurassic hexacorals of Azerbaijan. R. G Babaev. Paleont. zhur no. 1:31-37 '64

AZERBAIJAN—DIPLOMATIC AND CONSULAR SERVICE

Term "ta'lin" F. M. Aliev. Dokl. AN Azerb SSR 20 no. 3:93-96 '64.

AZERBAIJAN—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the potassium content of soil. R.K.Guseinov, A K.Akhundov. Dokl.AN Azerb.SSR 19 no 6:69-72 '63.

AZERBAIJAN—FLEAS

Fleas (Suctoria) of Azerbaijan. E.V.Isaeva, [illegible]. Dokl.AN Azerb.SSR 19 no.6:79-81 '63.

AZERBAIJAN—GAS, NATURAL—GEOLOGY

Features of the oil and gas pools of the southern [illegible] of the Karachukhur-Zykh fold L I Gol'dman, Azerb. neft khoz 42 no.9 1-4 S '63

More on the prospects for finding gas and oil in the Paleogene-Miocene sediments fo the Tertiary monocline. G. A. Guliev. Azerb. neft. khoz. 43 no.1 7-9 Ja '64.

AZERBAIJAN—GEOLOGY, STRATIGRAPHY

Stratigraphy of the Neocomian sediments in the surroundings of Konakhkend and the Kyzylkazmachay Valley (northeastern Azerbaijan). L. A. Poroshina. Dokl. AN Azerb. SSR 20 no. 3.41-45 '64.

AZERBAIJAN—HISTORY

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut literatury i iazyka. [Great friendship of the Azerbaijani and Russian peoples (from ancient times to our days); documents, letters, articles, recollections, works of art] Velikaia druzhba azerbaidzhanskogo i russkogo narodov (s drevnikh vremen do nashikh dnei); dokumenty, pis'ma, stat'i, vospominaniia, khudozhestvennye proizvedeniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Book 2. 1964. 477 p.

Term "ta'lin." F. M. Aliev. Dokl. AN Azerb. SSR 20 no. 3:93-96 '64

AZERBAIJAN—LAND TENURE

History of the land policy of tsarism in Azerbaijan and Transcaucasia at the beginning of the 20th century. I. M. Gasanov. Dokl. AN Azerb. SSR 19 no. 6:95-98 '61.

AZERBAIJAN—LAW

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Sektor filosofii. [History of the state and law of the Azerbaijan SSR; the Great October Socialist Revolution and the founding of the Soviet state in Azerbaijan] Istoriia gosudarstva i prava Azerbaidzhanskoi SSR; Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i sozdanie Sovetskoi gosudarstvennosti v Azerbaidzhane. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 312 p.

AZERBAIJAN—MEDICAL HELMINTHOLOGY—BIBLIOGRAPHY

Bibliographic index of medical helminthology in Azerbaijan for the period 1876-1962. G B. Kasimov, Sh. A. Makhmudova. Azerb. med. zhur. 40 no. 10, 57-65 O '63.

AZERBAIJAN—MULBERRY—VARIETIES

A new valuable variety of mulberry, IAgub-tut I. K. Abdullaev. Dokl. AN Azerb SSR 20 no. 4:50-54 '64

AZERBAIJAN—OIL WELL CASING

Movsumov, A. A. [Reinforcing deep wells with liners] Kreplenie glubokikh skvazhin khvostovikami. Moskva, Nedra, 1964. 82 p.

AZERBAIJAN—OIL WELLS—TESTING

Methods for testing and completing prospecting wells M. Gol'd Izv. vys. ucheb. zav.; neft' i gaz 6 no. 5:117-120 '63.

AZERBAIJAN—OLIVE—VARIETIES

Change in the fractional composition of water in the leaves of different varieties of olives. O. F. Melikova. Dokl. AN Azerb. SSR 20 no. 3,75-78 '64.

AZERBAIJAN—OLIVE—WATER REQUIREMENTS

Change in the fractional composition of water in the leaves of different varieties of olives. O. F. Melikova. Dokl. AN Azerb. SSR 20 no. 3:75-78 '64.

AZERBAIJAN—PALEONTOLOGY, STRATIGRAPHIC

New variety of Gaudryina. Ch. A. Tairov. Azerb. neft. khoz. 42 no. 9:14 S '63.

Hyperparasitism of Bunostomum trigonocephalum on Anoplocephala of the ruminants of Azerbaijan. I. A. Sadykhov, M. L. Kolesnichenko. Dokl. AN Azerb. SSR 20 no. 3 65-67 '64.

AZERBAIJAN—PETROLEUM GEOLOGY

Features of the oil and gas pools of the southern plunge of the Karachukhur-Zykh fold L I Gol'dina Azerb neft khoz 42 no 9 1-4 S '63

More on the prospects for finding gas and oil in the Paleogene-Miocene sediments fo the Tertiary monocline. G. A. Guliev. Azerb. neft. khoz. 43 no. 1:7-9 Ja '64.

Prospects for finding gas-condensate pools in the "break" series and the Sub-Kirmaki sand series of the Lokhbatan-More region A. G Durmish'ian Azerb. neft khoz 42 no 9 4-6 S '63

AZERBAIJAN—PETROLEUM INDUSTRY

Insure the fulfillment of the 1964 plan. Azerb. neft. khoz. 43 no. 1.1-3 Ja '64.

AZERBAIJAN—PETROLEUM PRODUCTION

Development of the Sub-Kirmaki series in the Staroye Kala area. M. A. Dzhavadov. Dokl. AN Azerb. SSR 20 no. 3.61-64 '64.

Progress in the programming of the development of oil fields in Azerbaijan B. M. Sarkisian Izv vys ucheb zav , neft' i gaz 6 5.114-116 '63

AZERBAIJAN—PETROLEUM PRODUCTION—ELECTRIC EQUIPMENT

Future development in the production of complete large-block petroleum electrical equipment in Azerbaijan. V. N. Evzlin. Azerb. neft. khoz. 43 no. 1:43-46 Ja '64.

Scientific and technical conference. Azerb. neft. khoz. 43 no. 1:3 Ja '64.

AZERBAIJAN—PETROLEUM REFINING

Catalytic aromatization of the 65--105° fraction of Surakhany selected petroleum. A. M. Aliev, V S. Aliev Nefteper. i neftekhim no 6:16-18 '63.

AZERBAIJAN—PETROLEUM REFINING—HYGIENIC ASPECTS

Aruslamova, F. A. [Certain problems in industrial hygiene in petroleum refining of Azerbaijan] Nekotorye voprosy gigieny truda v neftepererabatyvaiushchei promyshlennosti Azerbaidzhanskoi SSR. Baku, Azerneshr, 1963. 51 p.

AZERBAIJAN—POLITICS AND GOVERNMENT

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Sektor filosofii. [History of the state and law of the Azerbaijan SSR; the Great October Socialist Revolution and the founding of the Soviet state in Azerbaijan] Istoriia gosudarstva i prava Azerbaidzhanskoi SSR; Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i sozdanie Sovetskoi gosudarstvennosti v Azerbaidzhane. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 312 p.

AZERBAIJAN—POLYMERS

Proceedings of the Second Republican Scientific-Technical Conference on polymer and wood materials. K. A. Dai-Zade. Vest. mashinostr. 44 no. 2:81 F '64.

AZERBAIJAN—TEA—VARIETIES

New tea varieties in Azerbaijan. M. A. Mamedov. Dokl. AN Azerb. SSR 20 no. 4.65-69 '64.

AZERBAIJAN—WATER, UNDERGROUND

Conditions governing the formation of underground waters in the continental layer of the Kirovabad-Kazakh Massif. A. S. Krasil'shchikov. Dokl. AN Azerb. SSR 20 no. 3:37-40 '64.

AZERBAIJAN—WHEAT BREEDING

Effect of vertical zonality on the interphase periods of interspecific wheat hybrids and their parents. D. A. Gadzhiev. Dokl. AN Azerb. SSR 20 no. 3:79-82 '64.

AZERBAIJANI LITERATURE—HISTORY AND CRITICISM

Contemporary literature of the Azerbaijan Suleiman Tekiner. Mat. i soob. Issl. otd. Inst po izuch. SSSR no. 48 189-208 '63.

AZERBAIJANI PENMANSHIP see Penmanship, Azerbaijani

AZIRIDINE

Some organoarsenic derivatives of ethylenimine. Gil'm Kamai, Z. L. Khisamova. Dokl. AN SSSR 156 no. 2:365-367 My '64.

AZO COMPOUNDS

Oxa compounds. Part 3. A. V. El'tsov. Zhur. ob. khim. 34 no 5.1622-1624 My '64.

Synthesis and in[illegible] derivatives. [illegible] derivatives of [illegible] IU. V. Tanchuk, [illegible] 1635-1638 My '64.

AZO DYES—SPECTRA

Polarographic reduction and infrared spectra of some o-oxyazo dyes. Z. V. Pushkareva, M. K. Murshtein. Dokl. AN SSSR 156 no. 2:389-392 My '64.

Bis (β-chloroethyl) aminomethyl derivatives of azobenzene. Part 3 p-Hydroxy-m-(o)-carboxy-p'-bis(β-chloroethyl)aminomethylazobenzenes, their derivatives and analog compounds A. K Chizhov, K V Levshina, S. I. Sergievskaia Zhur ob khim 34 no 5 1587-1592 My '64

Bis (β-chloroethyl)aminomethyl derivatives of azobenzene. Part 4: 4-Alkoxy-3 -bis (β-chloroethyl)aminomethyl-6'-methoxyazobenzenes K V. Levshina Zhur. ob khim. 34 no 6:2029-2034 Je '64.

Crystallization of supercooled betol and azobenzene. M. S. TSedrik. Krist. zhid. no. 2 35-47 '63.

AZOTOBACTER

Study of oxidative phosphorylation in subcellular particles from Azotobacter vinelandii A V. Kotel'nikova, E. V Ivanova Dokl AN SSSR 157 no 3 710-713 Jl '64

Toxicity of some Moldavian soils in relation to Azotobacter. V. I. Sabel'nikova. Izv. Mold. fil AN SSSR no. 7: 72-80 '61.

AZOV, SEA OF—MARINE FOULING

Composition of species and quantitative development of macrofouling on the marine water-supply system of a metallurgical plant on the shores of the Sea of Azov I. V. Starostin, IU. E. Permitin. Trudy Inst. okean. 70:124-141 '63.

Ecology of the hydropolyp Perigonimus megas Kinne, a new species in the fauna of the U. S. S. R. R. G. Simkina. Trudy Inst. okean 70.216-224 '63.

Reaction of the nudibranch mollusk Stiliger bellulus (d'Orbigny) of the Sea of Azov to water of various salinity. E. P. Turpaeva. Trudy Inst. okean. 70 197-215 '63

Settlement of the larvae of fouling organisms at water intake installations of a metallurgical plant (Sea of Azov). I. V. Starostin, E. P. Turpaeva. Trudy Inst okean. 70 142-150 '63.

AZOV, SEA OF—SHIPWORMS

Beginning of settling of the Sea of Azov by some species of shipworms of the family Teredinidae. P. I. Riabchikov and others. Trudy Inst. okean. 70 157-178 '63.

AZOV SEA REGION—GEOLOGY, STRUCTURAL

Sobakar', G. T. [Subsurface tectonics of the Azov Massif and some adjacent territores; based on geophysical studies] Glubinnaia tektonika Priazovskogo massiva i nekotorykh sopredel'nykh territorii, po dannym geofizicheskikh issledovanii. Kiev, "Naukova dumka," 1964. 146 p.

BCG VACCINATION

Eliminating tuberculosis in poultry on farms using BCG vaccination K A Shitov, V P Vitkalov. Zap Vor sel'khoz inst. 17 no. 2 39-45 '62.

BACK SWIMMERS (INSECTS), FOSSIL see subdivision under Transbaikalia

BACON

Smirnitskaia, N. E., N. P. Gritsai, and L. I. Semenenko. [Experience in the production of salt-cured bacon] Opyt proizvodstva solenogo bekona. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 44 p. (Tekhnicheskaia informatsiia) [MICROFILM]

BACTEREMIA

Bacteremia in surgical diseases. N. V. Shtiben. Khirurgiia 40 no. 2:32-36 F '64.

BACTERIA—PHYSIOLOGY

Composition of DNA in some bacteria and their mutants carrying oxidation deficiency. G. G. Gauze and others. Dokl. AN SSSR 157 no. 2:457-459 Jl '64.

BACTERIA, AEROBIC

Determination of oxygen and air consumption and of the basic parameters of fermentors and the estimation of aerators in the process of subsurface cultivation of aerobic micro-organisms. V. K. Pokrovskii. Gidroliz. i lesokhim. prom. 17 no. 4:3-6 '64.

BACTERIA, AUTOTROPHIC

Free porphyrin formation by green photosynthetizing bacteria. V. E. Uspenskaia, E. N. Kondrat'eva. Dokl. AN SSSR 157 no 3:678-680 Jl '64

BACTERIA, PHOSPHORUS see subdivision under Moldavia; Samgora region

BACTERIA, PHYTOPATHOGENIC

Application of antibiotics in controlling bacterioses of plants. T. M. Simych. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:135-136 '60.

BACTERIOPHAGE

Gamma-ray induced H-mutation of the extracellular phage T2. S. N. Ardashnikov, V. N. Soifer, D. M. Gol'dfarb. Vest. AMN SSSR 18 no. 12:43-50 '63.

Producing pure lines of microbial phages. K. N. Kondrat'ev. Trudy TomNIIVS 14:134-138 '63.

Ration of the titer of a dry dysenteric bacteriophage to the different conditions of its preservation, author's abstract. V. N. Valueva, A. P. Panfilova Trudy Irk. NIIEM no. 6:141-142 '61.

Some examples of the use of mathematics in the quantitative evaluation of microbiological phenomena K N Kondrat'ev Trudy TomNIIVS 14:139-141 '63

BADKHYZ, MOUNT—GEOLOGY, STRATIGRAPHIC

Boundary between the Badkhyz and Namaksarskaya horizons in Badkhyz. N. V. Tolstikova. Trudy VSEGEI 109 193-195 '63

BADKHYZ, MOUNT—ROCKS, SEDIMENTARY

Conditions governing the sedimentation in Badkhyz in the Paleogene. E M. Bugrova and others Trudy VSEGEI 109 238-263 '63

BAIKAL, LAKE—GRAYLING

Reproduction and development of the grayling Thymallus arcticus baicalensis Dybowski. S. G. Soin. Zool. zhur. 42 no. 12 1817-1840 '63.

BAIKAL, LAKE—SEALS (ANIMALS)

History of the study of the Baikal seal. V. V Lamakin Biul. MOIP. Otd biol. 69 no. 3:142-149 My-Je '64

BAIKAL LAKE REGION—APATITE

Metasomatic zoning determined by the apatitization processes in the Synnyr pluton. G. V. Andreev. Dokl. AN SSSR 157 no. 2 345-348 Jl '64

BAIKAL LAKE REGION—GEOLOGY

Pavlovskii, E. V., and A. S. Eskin. [Characteristics of the composition and structure of the Archean of the Lake Baikal region] Osobennosti sostava i struktury Arkheia Pribaikal'ia. Moskva, Izd-vo "Nauka," 1964. 125 p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no. 110)

BAIKAL LAKE REGION—GEOLOGY, STRATIGRAPHIC

Salop, L. I. [Geology of the Baikal mountain region] Geologiia Baikal'skoi gornoi oblasti. Moskva, Izd-vo "Nedra."

Vol. 1. [Stratigraphy] Stratigrafiia. 1964. 515 p.

BAIKAL LAKE REGION—METASOMATISM

Metasomatic zoning determined by the apatitization processes in the Synnyr pluton. G. V. Andreev. Dokl. AN SSSR 157 no. 2.345-348 Jl '64.

BAKERIES

Completely mechanized continuous line with a FTL-2 oven for the production of hearth baked products. N. E. Morev, IA. S. Itskovich. Khleb. i kond. prom. 6 no. 7:1-5 Jl '62.

Organization of the continuous line method for the preparation of liquid intermediate products. I. M. Roiter, A. IA. Kovalenko, R. S. Bashirova. Khleb. i kond. prom. 6 no. 7:5-8 Jl '62.

Specialization of the enterprises of the bakery industry. I. O. Orlov. Khleb. i kond. prom. 6 no. 7:21-23 Jl '62.

BAKERIES—EQUIPMENT AND SUPPLIES

Case holders for the backing of baba-au-rhum and cup cakes. P. P. Karmatskikh. Khleb. i kond. prom. 6 no. 7:34-36 Jl '62.

Improving the design of the KhDN-4 dough divider. M. N. Chechkovskii. Khleb. i kond. prom. 6 no. 7: 29-30 Jl '62.

Improving the salt dissolving apparatus developed by I. G. Lifentsev. A. M. Poznanskii. Khleb. i kond. prom. 6 no. 7:31-32 Jl '62.

BALANCE OF PAYMENTS
(see also subdivision under Great Britain)

Instability of currency relations and utopian projects. F. Bystrov. Mir. ekon. i mezhdunar. otn. no. 7:39-53 '64.

BALANCING OF MACHINERY

Balancing of engines in assembly at the Automobile Repair Plant No. 4. V. P. Rodimov, L. V. Gurevich. Izv. vys. ucheb. zav.; mashinostr. no. 3:100-102 '64.

BALIGA, ANNAPPA VITHAL, 1903-1964

In memory of Doctor Baliga. V. IAkunin. Nov. vrem. 21 no. 26:16-17 Je '64.

BALKHAN RANGE—GEOLOGY, STRATIGRAPHIC

Certain features of the section of the Neocomian sediments of the Greater Balkhan Range. V. A. Prozorovskii. Trudy VSEGEI 109.69-75 '63.

BALKHASH LAKE REGION—ANIMAL MIGRATION

Mobility of greater gerbils (Rhombomys opimus) and its epizootiological role in compact colonies in the northern desert (southern Balkhash region). A. S. Burdelov, E. P. Bondar', V. I. Zhuravleva. Zool. zhur. 43 no. 1:115-124 '64.

[illegible] —DYNAMICS OF [illegible]

[illegible] (Coleoptera) and its [illegible] in the northern [illegible] A S Burdelo, F P [illegible] Zool zhur 43 no 1 115-124 [illegible]

BALKHASH LAKE REGION—MELONS—DISEASES AND PESTS

[illegible]

BALKHASH LAKE REGION—SERPENTS

[illegible] halys in greater [illegible] of the southern [illegible] A P [illegible] Zool zhur 43 no 1 [illegible]

BALKHASH LAKE REGION—WATERMELONS—DISEASES AND PESTS

[illegible] of the [illegible] northern Lake [illegible] Vest sel'khoz [illegible]

BALL BEARINGS

[illegible] of a radial ball and thrust [illegible] Izv. AN SSSR. Mekh.i mashino- [illegible] My-Je '64.

BALLAST (SHIPS)—PURIFICATION

[illegible] sampler for petroleum polluted waters [illegible] Transp i khran nefti [illegible]

BALLET

[Ballet-master and the collective] Baletmeister i kollektiv. Moskva, Iskusstvo, 1963. 78 p. (Repertuar [illegible] samodeiatel'nosti, no. 15)
(NK)

BALLISTIC MISSILES—GUIDANCE SYSTEMS

[illegible] of control F Arkad'ev Tekh i [illegible] no 6 28-33 Je '64

BALLISTOCARDIOGRAPHY

Ballistocardiographic study in hypertension Z L [illegible] Trudy Inst klin i eksper kard AN Gruz SSR 8 47-251 '63

Changes in the electrocardiogram and ballistocardiogram in atherosclerosis G N Chimakadze. Trudy Inst klin i eksper kard AN Gruz SSR 8 125-129 '63

BALLOONS, PILOT

[illegible] with a suspended base. I.I. [illegible] Trudy GGO [illegible] 134 78-84 '64

BALTIC SEA—MARINE FOULING

[illegible] eastern part of the Baltic Sea, [illegible] K S Arbuzova. Trudy Inst [illegible] 41-51 '63

BALTIC SEA REGION—ATMOSPHERE

[illegible] atmospheric circulation in the [illegible] I.Iz [illegible]. Trudy AN Lit.SSR.Ser. [illegible] '64.

BALTIC SEA REGION—ATMOSPHERIC TRANSPARENCY

[illegible] transparency in the southern Baltic region. [illegible] Trudy AN Lit.SSR.Ser.B no.1 [illegible] '64

BALTIC SEA REGION—DAIRY BARNS—DESIGN AND CONSTRUCTION

Cowsheds in the Baltic Sea region, from the experience of [illegible] A Savinova, Z Velyka. Sil' bud [illegible] 12 20-22 D '64

BALTIC SEA REGION—GEOLOGY, STRUCTURAL

Eesti NSV Teaduste Akadeemia. [Materials of the conference on recent tectonic movement in the Baltic Sea region] Materialy soveshchaniia po voprosam neotektonicheskikh dvizhenii v Pribaltike. Tallin 24-26 Marta 1960 g. Tartu, 1960. 154 p.
(OKU)

BALTIC SEA REGION—ICE ON RIVERS, LAKES, ETC.

Break up of the rivers of the western regions of the U.S.S.R (White Russia and Baltic region) and the possibility of forecasting it. T. N. Makarevich, N. A. Arieskina, Z. A. Efimova. Trudy GGI no. 110 83-144 '64.

BANACH SPACES

Stability of certain computation processes S. G. Mikhlin Dokl AN SSSR 157 no. 2,271-273 Jl '64

BANKS AND BANKING

(see also subdivision under Chita Province, Krasnoyarsk Territory, Voronezh Province)

Brief information on foreign exchange and banks abroad. Den. i kred 22 no. 6 89-92 Je '64

Brief information on foreign exchange and banks abroad Den i kred 22 no 7 79-85 Jl '64

Important tasks of Construction Bank branches. Fin. SSSR 38 no. 7:1-7 Jl '64

In the Board of Directors of the State Bank of the U.S S R. Den i kred 22 no 7 94-95 Jl '64

In the Board of the Directors of the State Bank of the U S S R Den i kred. 22 no 6 93-94 Je '64

Issuing credit, payments and control through the ruble, survey of letters Den i kred 22 no 6:67-74 Je '64

The most important task of State Bank branches V. Vorob'ev Den. i kred 22 no. 6:3-15 Je '64

BANKS AND BANKING—ACCOUNTING

We are speeding-up report preparation. V. Krachina and others Den i kred 22 no 6 63-67 Je '64

BANKS AND BANKING—CONGRESSES

Activist groups, conferences and seminars Den i kred 22 no 7 92-94 Jl '64

Give more attention to coordinating economic work Den i kred 22 no 7 91-92 Jl '64

BARABA STEPPE—BEETLES

Population of beetles (Coleoptera, Carabidae, Silphidae, Tenebrionidae) inhabiting the surface soil and litter in the microlandscapes of the northern Baraba Forest Steppe and its change under the influence of the economic activity of man. V.G Mordkovich Zool. zhur. 43 no. 5,680-695 '64

BARABA STEPPE—FORAGE PLANTS

Effect of the improvement of the Baraba saline meadows on changes in the chemical composition of forage grasses. K P. Volgina, T. A. Vagina, Trudy TSSBS no. 6 183-187 '63.

BARABA STEPPE—PASTURES AND MEADOWS

Establishment of cultivated meadows on the drained marshes of Baraba P. G. Kazantsev. Trudy TSSBS no. 6 430-440 '63.

Saline meadows of Baraba and Kulunda and their origin. T. A Vagina. Trudy TSSBS no. 6:163-182 '63.

BARABA STEPPE—SOIL FAUNA

Population of beetles (Coleoptera, Carabidae, Silphidae, Tenebrionidae) inhabiting the surface soil and litter in the microlandscapes of the northern Baraba Forest Steppe and its change under the influence of the economic activity of man. V G Mordkovich Zool. zhur. 43 no. 5:680-695 '64.

BARABA STEPPE—SWAMPS

Problems of the dynamics of the development and hydromorphological characteristics of raised bogs in the Baraba Steppe K E Ivanov, L V Kotova Trudy GGI no 112 33-53 '64

BARANOV, PAVEL ALEKSANDROVICH, 1892-1962

Pavel Aleksandrovich Baranov S. IU. Lipshits, D. V. Lebedev. Biul. MOIP Otd. biol 67 no. 6:61-67 N-D '62

BARBITURATES

Group reaction for determining sodium salts of barbiturates V. I Lobanov Farmatsev zhur. 18 no 4 51-54 '63

BARBITURATES—PHYSIOLOGICAL EFFECT

Bioelectrical reactions in various parts of the rabbit visual system and their changes during barbiturate anesthesia A G. Kopylov. Nerv. sist. no. 3:43-50 '62

BARENTS SEA—CESTODA

Occurrence of the plerocercoid Dinobothrium (Cestoda, Phyllobothriidae) in a young cod of the Barents Sea, I. V. Kulemina. Vest. LGU 19 no. 9:20-25 '64.

BARENTS SEA—FISHERIES

Preliminary results of estimating the abundance of the fry of commercial fishes in the Barents Sea in the winter of 1961-1962. A S Baranenkova and others. Nauch -tekh. biul PINRO no. 2/3 18-24 '62

BARENTS SEA—HADDOCK

Method of forecasting the appearance of haddock in the southeastern areas of the Barents Sea. M A Sonina. Nauch -tekh biul. PINRO no. 2/3 24-27 '62.

BARENTS SEA—MARINE FAUNA

Time and temperature conditions of the reproduction of marine invertebrates. V. V. Kuznetsov. Mat. po kompl. izuch. Bel. mor. no. 2:32-52 '63.

BARENTS SEA—MICROSEISMS

Characteristics of the formation and propagation of microseisms in the Barents Sea and the Sea of Okhotsk. N. A. Gubkina, O A. Korchagina Izv. AN SSSR. Ser. geofiz no 6 847-857 Je '64

BARENTS SEA—OCEANOGRAPHY

Founder of hydrological exploration of the Barents Sea. M M Adrov. Nauch -tekh biul PINRO no 2/3 8-10 '62.

BARENTS SEA—PARASITES—CODFISH

Occurrence of the plerocercoid Dinobothrium (Cestoda, Phyllobothriidae) in a young cod of the Barents Sea. I. V. Kulemina. Vest. LGU 19 no. 9:20-25 '64.

BARENTS SEA—PINK SALMON

Materials on the biology of humpback salmon [illegible] in the White and Barents Seas V [illegible] Surkov, A A IAkovenko Nauch. -tekh biul PINRO no 2/3 37-38 '63

BARENTS SEA—SEA ICE

Hydrological conditions of the Barents Sea in [illegible] Borovaia Nauch -tekh biul. PINRO no 2/3 [illegible] '62.

Possibilities of a long-term prognosis of the distribution of ice in the northern part of the Barents Sea [illegible] Khromtsova. Nauch -tekh biul PINRO no 2/3 [illegible] '62.

BARENTS SEA—TEMPERATURE

Hydrological conditions of the Barents Sea in [illegible] Borovaia. Nauch -tekh. biul PINRO no. 2/3 [illegible] '62

BARIUM—ELECTRIC PROPERTIES

Emission properties of an Au - Ba system [illegible] chenko, S. E. Strakovskaia. Radiotekh i elektr 9 no 4,761-762 Ap '64

BARIUM HYDROXIDE

Efficient method for the neutralization of [illegible] by barium-hydroxide A. M Bogatelnik [illegible] neftekhim no 7 21-25 '63

BARIUM SULFATE

Methodology of preparing an aqueous suspension of barium for X-ray examination of the gastrointestinal tract. V. I. Petrov and others. Vest. rent i rad [illegible] no 3:61-63 My-Je '63.

BARIUM SULFATE—RADIOACTIVE PROPERTIES

Effect of electrolytes on the absorption of [illegible] active precipitates of BaSO₄. Vikt. I. Spitsyn [illegible] Gromov. Dokl. AN SSSR 158 no. 2:[illegible]

BARK BEETLES

A new species of nematodes of the bark beetle [illegible] quadrigens Hart. G. A. Kakulia. Soob. AN Gruz [illegible] 31 no. 2:433-436 Ag '63.

BARLEY

Effect of light on the process of vernalization in [illegible] barley. N. M Fedulova. Sbor. nauch. rab. [illegible] issl inst. sel'. khoz. no. 6:139 [illegible] '61

Effect of various doses of copper and various other [illegible] elements on some physiological processes and [illegible] phological characters of barley plants. M. D. Mischenko va. Vestsi AN BSSR. Ser. biial. navuk no. [illegible]

Kodanov, I. M. [Barley] IAchmen'. Moskva, Izd-vo "Kolos," 1964. 236 p.
(DNAL)

BARLEY—VARIETIES

Some form development processes in winter barley transformed from spring barley. A. S. Maidanets Agrobiologiia no. 3:456-457 My-Je '64.

BARNS—DESIGN AND CONSTRUCTION see subdivision under Czechoslovakia

BAROMETRIC HYPSOMETRY

(see also subdivision under Pechora Basin)

Comparative tests of microbarometers with increased accuracy. A. P. Egorov, A. M. Lozinskaia. Razved i prom. geofiz. no. 49:60-65 '63.

Spring microbarometric leveling instrument "MBNP." S. I. Zil'bershtein. Razved. i prom. geofiz. no 49:54-63 '63.

BARONOV, VLADIMIR ALEKSEEVICH, 1903-

V. A. Baronov. Zhur. nevr. i psikh. 63 no. 7,1116 '63

BARRACKS—EQUIPMENT AND SUPPLIES

It will be more comfortable in the barracks. P. Samsonov Starsh. -serzh. no. 6:33 Je '64.

BARSA-KEL'MES ISLAND—PARASITES—ASSES AND MULES

Parasites of kulan on Barsa-Kel'mes Island. V. A. Rashek. Biul. MOIP, Otd. biol. 69 no 3:128-129 My-Je '64.

BASALT

Physicochemical properties of molten, supercooled, vitreous, and recrystallized basalt. Part 8 Leaching of vitreous basalt with an azeotropic solution of hydrochloric acid. A. B. Abramian. Izv. AN Arm. SSR. Khim nauki 17 no. 3:262-271 '64.

Physicochemical properties of molten, supercooled, vitreous and recrystallized basalt. Part 9: Leaching of Khaladzh vitreous basalt with a 5% solution of nitric acid. A. B. Abramian. Izv. AN Arm. SSR. Khim nauki 17 no. 3:272-282 '64.

BASARGECHAR DISTRICT—SHEEP BREEDING

Correlation between the degree of the maturity of spermatozoa and the sex of the progeny. V. Sh. Kamalian. Izv. AN Arm. SSR. Biol. nauki 16 no. 2:83-85 F '63.

BASEMENTS—FIRES AND FIRE PREVENTION

Fires in basements K A Klaman Sbor rab pozh -isp,i sta. no 3 50-58 '63

BASHKIRIA—CHEMICAL INDUSTRIES

The communist labor movement in the plants and on the construction sites of large-scale chemistry in Bashkiria V.Z.Kochetov. Uch. zap. kaf. ist. KPSS no. 4:3-35 '64.

BASHKIRIA—CHEMISTRY—STUDY AND TEACHING

School and chemistry A.Safin, R Biktasheva Nar obr no 7 45-46 Jl '64

BASHKIRIA—PEAS—DRYING

Distributing and processing peas at grain receiving stations in Bashkiria. V. Sorokin. Muk.-elev. prom. 30 no. 4:11 Ap '64.

BASHKIRIA—PETROLEUM—TRANSPORTATION

Technical and economic indices of the transportation of highly-viscous Arlan petroleums. R. A. IUmashev Transp. i khran. nefti no. 3:30-33 '63.

BASHKIRIA—PYRITES

Position of pyrite deposits in the Silurian cross section of the Baymak and Buribay regions in Bashkiria. V.S. Sharfman. Mat. po geol. i pol. iskop. IUzh. Urala no. 3: 107-110 '62.

BASHKIRIA—SEWERAGE

Automation of petroleum-trap and sewerage pumping stations R.N Nazipov. Transp. i khran nefti no 3· 26-29 '63.

BASHKIRIA—SOCIALIST COMPETITION

The communist labor movement in the plants and on the construction sites of large-scale chemistry in Bashkiria. V.Z.Kochetov. Uch. zap. kaf. ist. KPSS no. 4:3-35 '64.

BASHKIRIA—TANKS—CORROSION

Corrosion of tanks in the oil fields of Bashkiria and its control. A.A.Gonik. Neft. khoz. 42 no. 3:42-40 Mr '64.

BASHKIRIA—TEACHING

With the help of educational community. S. Alibaev. Nar. obr no7 31-33 Jl '64

BASHKIRIA—TROUT

Trout in Bashkiria E.V Kucherov, B I Fedorako. Priroda 53 no. 7 121-125 '64

BASHKIRIA—TRUSSES—TESTING

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Bench test of continuous prestressed concrete trusses; practices of the construction trusts of the Bashkir Economic Council] Stendovoe izgotovlenie tsel'nykh predvaritel'no napriazhennykh zhelezobetonnykh ferm; iz opyta stroitel'nykh trestov Bashkirskogo sovnarkhoza. Moskva, Gosstroiizdat, 1962. 23 p.

[MICROFILM]

BASIDIOMYCETES see subdivision under Kazakhstan

BATHOMETER

Effect of the inner surface of a bathometer on the change in the concentration of the chemical elements in a water sample. V.N. Ivanenkov. Trudy Inst. okean. 64 80-84 '64

BATHS, MEDICATED see subdivision under Saryagach (Kazakhstan)

BATS see subdivision under Transcarpathia

BATS—PARASITES see Parasites—Bats

BATUM—EVERGREENS

Yearly changes in the osmotic pressure of cell sap and protoplasma viscosity in some evergreens growing in the Batum Botanical Garden. N. M. Sharashidze. Izv. Bat. bot. sada no. 12:75-85 '63.

BATUM—WOODY PLANTS

Trees and shrubs of the Batum Botanical Garden; Angiospermae. Part 4. Izv. Bat. bot. sada no. 12:3-66 '63.

BAUMGART, KARL KARLOVICH, 1880-1963

In memory of professor K.K. Baumgart. Vest. LGU 19 no 10.139-141 '64.

BAUXITE

Gamma-spectrometric continuous activation logging in bauxite deposits. I. N. Sen'ko-Bulatnyi. Izv. AN SSSR, Ser. geofiz. no. 7:1030-1036 Jl '64.

BAVLY REGION—OIL RESERVOIR ENGINEERING

Conversion of reserves and the determination of the recovery factor of a flooded section of reservoir D_1 in the Bavly field. V.S. Chemodanov and others. Nefteprom. delo no. 1:13-15 '63.

BAYRAM-ALI REGION—GEOLOGY, STRATIGRAPHIC

Cretaceous and Paleogenic sediments of the Bayram-Ali region, according to data of a study of samples from wells Nos. 1 and 15. T. F. Travina, E. M. Bugrova. Trudy VSEGEI 109:319-331 '63.

BAYMAK DISTRICT—ORE DEPOSITS

Baymak ore region V.A. Prokin, N.K. Palivoda, G.K. Dolmatov. Mat. po geol. i pol. iskop IUzh. Urala no. 3: 73-90 '62.

BAYMAK DISTRICT—SULFIDES

Methods of prospecting for sulfide deposits in Baymak District. N.K. Palivoda Mat. po geol. i pol. iskop. IUzh. Urala no. 3:91-94 '62.

BEACH EROSION see subdivision under Georgia

BEACONS

Rul'kov, D. I., and V. F. Saratov. [Navigational buoyage and beacon markers and signaling on inland waterways] Znaki sudokhodnoi obstanovki i signalizatsiia na vnutrennikh vodnykh putiakh Izd. 4., dop. i perer. Moskva, Izd-vo "Transport," 1964. 127 p illus.

BEAMS AND GIRDERS

Alekseev, P. I. [Strength of rods and beams] Ustoichivost' sterzhnei i balok. Kiev, "Budivel'nyk," 1964. 125 p.

Design diagram of beams working on bend and constrained torsion. V.K. Solov'ev. Stroi. mekh. i rasch. sooruzh. 5 no. 6:29-31 '63.

Determining critical load under bend of a beam with variable rigidity. P.I. Alekseev. Stroi. mekh. i rasch. sooruzh. 5 no. 6:37-39 '63.

Khar'kovskii promstroiniiproekt. [Improving the designs of structural elements] Sovershenstvovanie raschetov stroitel'nykh konstruktsii; nauchnoe soobshchenie. Kiev, Gosstroiizdat USSR, 1964. 45 p.

Longitudinal and transverse assembly of prestressed concrete span beams. IU. M. Mitrofanov, V.S. Roshchin. Transp. stroi. 13 no. 12·16-18 D '63.

Tumanskii, N. A. [Graphic calculation of rod systems and mechanisms] Graficheskii raschet sterzhnevykh sistem i mekhanizmov. Moskva, Mashinostroenie, 1964. 299 p.

Vlasov, V. Z. [Selected works] Izbrannye trudy. Moskva, Izd-vo "Nauka."

Vol. 3. [Thin-walled three-dimensional systems] Tonkostennye prostranstvennye sistemy. 1964. 471 p.

BEAMS AND GIRDERS—VIBRATION

Determining free vibration frequencies of floors freely supported along the contour N. G. TSoi Trudy LVMI 1:66-73 '62.

Determining free vibration frequencies of floors rigidly clamped along the contour. N G TSoi Trudy LVMI 1:71-77 '62.

BEAMS AND GIRDERS, CONTINUOUS

Calculating continuous cylindrical shells. M.V. Shteinberg. Stroi. mekh. i rasch. sooruzh. 5 no. 6:1-8 '63.

Moving beams in a resisting medium A. A Amandosov Vest AN Kazakh. SSR 19 no. 8 60-62 Ag '63

BEANS

Experiments with forage beans. I. V. Konstantinova and others. Shkola i proizv. 8 no. 5:75-76 My '64.

Relation of the copper and manganese content in beans to their color. T. S. Samofal. Vop. pit 22 no. 6·70-74 N-D '63.

Zhvanskii, V. A., and V. P. Kurliand. [Forage beans] Kormovye boby. [n.p., Smolenskoe knizhnoe izd-vo, n.d.] 27 p. (Propashnoi sisteme - vysokuiu agrotekhniku)

(DNAL)

BEANS—DISEASES AND PESTS see subdivision under Virgin Territory

BEANS—FERTILIZERS AND MANURES

Effect of phosphorus nutrition on the fractional and aminoacetic composition of proteins in beans. Fam Suan Khkai, B. P. Pleshkov. Dokl. AN SSSR 157 no. 2. 478-481 Jl '64.

BEARINGS (MACHINERY)

Calculation for allowable load of plastic bearings in building machinery. IU. A. Evdokimov. Stroi. i dor. mash. 8 no. 12:19-22 D '63.

Quenching of bearing rings in high-frequency induction heating. B.A. Kuznetsov, N. V. Zimin. Trudy NIITVCH no. 1/2:94-100 '60.

Using bearings made of polycaprolactam in construction machinery. M.F. Stramous. Transp. stroi. 13 no. 12: 56-57 D '63.

Using correlation methods in calculating basic dimensions for bearing ring billets. N. S. Raibman, V. M. Turova, R. S. Vasil'eva. Vest. mashinostr. 44 no. 2:35-39 F '64.

BEARINGS (MACHINERY)—TESTING

Testing unit for sliding bearings. A. S. Efoian. Izv. vys. ucheb. zav.: mashinostr. no. 3:88-90 '64.

BEARS (IN RELIGION, FOLKLORE, ETC.) see subdivision under Ob' Valley

BEAVERS see subdivision under Perm Province

BEDSTRAW

Chemical analysis of the bedstraw Galium ruthenicum Report No 2 M I Borysov, IU H Borysiuk Farmatsev zhur 18 no 4 75-78 '63

BEE CULTURE—EQUIPMENT AND SUPPLIES

(see also subdivision under East Kazakhstan Province)

Skrebutenas, Pranas. [Equipment for bee culture] Bitininkavimo reikmenys. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 95 p. [In Lithuanian]

(DNAL)

BEECH see subdivision under Adzharistan, Caucasus, Northern; Moldavia

BEEF CATTLE

Meat qualities of castrated hybrid Jersey bull calves A M IAkhontova Trudy Bel nauch -issl inst zhiv 3,119-127 '62

BEEF CATTLE—FEEDING AND FEEDS

Method of intensive raising of young cattle for meat P. S. Pastukhov Vest sel'khoz nauki [Kazakh] 7 no. 6 53-56 Je '61

BEEF CATTLE BREEDING see subdivision under White Russia

BEETLES see subdivision under Baraba Steppe

BELEMNITES see subdivision under Tuarkyr region

BELGIUM—DEPARTMENT STORES

Trade in France and Belgium. S Grigor'ev, I Fel'dman. Sov torg 37 no 5 37-42 My '64

BELGOROD PROVINCE—MARTENS

Ecology of stone martens in the forest-steppe oak-dominant woods. G. A. Novikov Biul. MOIP. Otd biol. 67 no 6 5-16 N-D '62

BELINSKII, VISSARION GRIGOR'EVICH, 1811-1848

Akademiia nauk SSSR. Institut mirovoi literatury. [Belinskii and our times] Belinskii i sovremennost'. Moskva, Izd-vo "Nauka," 1964. 354 p.

BELINSKII, VISSARION GRIGOR'EVICH, 1811-1848—HOMES AND HAUNTS

Where the great critic lived P. Maksiashev. Nar. obr no 6 88-91 Je '64

BELLADONNA

Use of tropeolin 00 for photocolorimetric determination of belladonna extract in drug mixtures. O. J. Kaleja, D. A. Pakalns. Apt. delo 11 no. 6:66-69 N-D '62.

BELOYARSK—ATOMIC POWER PLANTS

The I. V. Kurchatov Beloyarsk Atomic Power Plant. P. I. Aleshchenkov and others Atom. energ. 16 no. 6: 489-496 Je '64.

BELYY CHEREMOSH VALLEY—FLYSCH

Characteristics of the structure and conditions governing the accumulation of flysch formations of the Krasnenskaya series in the region of the Belyy Cheremosh and Putila Rivers. V. S. Sasinovich. Geol. zhur. 23 no. 4:79-82 '63.

BENGAL, BAY OF—EUPHAUSIACEA

Study of the Euphausiacea of the Bay of Bengal and the Arabian Sea. L A Ponomareva Trudy Inst okean. 64 265-270 '64

BENGAL, BAY OF—MARINE FAUNA

Quantitative distribution and tropical zoning of the bottom fauna in the Bay of Bengal and the Andaman Sea. M N. Sokolova, F A Pasternak Trudy Inst okean. 64·271-296 '64

BENGAL, BAY OF—MARINE SEDIMENTS

Structure and thickness of the sedimentary layer in the Bay of Bengal and the Arabian and Andaman Seas. IU. P Neprochnov Trudy Inst. okean 64 214-226 '64.

BENTONITE

(see also subdivision under Kazakhstan)

Reinforcement of capron fiber by means of modified bentonite. I.O. Uskov and others. Dop. AN URSR no. 6:798-801 '63.

Using native bentonites in the preparations of hydrophilic ointment bases. D. P Salo. Farmatsev. zhur 18 no 4 55-61 '63

BENZAMIDE—PHYSIOLOGICAL EFFECT

Relation between the chemical structure and antiarrhythmic effect in the series of dialkylaminoethylamides, morpholyl-and piperidyl-propylamides of p-alkylaminobenzoic acid. A. L. Mndzhoian, V. M. Avakian, L. A. Manukian. Izv. AN Arm SSR, Biol. nauki 17 no. 1:19-28 Ja '64.

BENZANTHRACENE—PHYSIOLOGICAL EFFECT

Morphology of precancer changes and of lung cancer induced in rats by intratracheal administration of 9, 10-dimethyl-1, 2-benzanthracene. L. N. Pylev. Vop. onk. 8 no. 10:35-42 '62.

[illegible]ICAL EFFECT

[illegible] ydrated fec- [illegible] the entire skin [illegible] 2 73-5 '64.

[illegible] a motile [illegible] (chloro [illegible] ryl) ben- [illegible] Zhur ob khim [illegible]

[illegible] Part 75 S [illegible] sis [illegible] F N [illegible] 1431-1435

[illegible] gels and the properties of X-substi- [illegible] Zhur fiz. khim. 37 [illegible]

[illegible] carbon formation in the decompo- [illegible] and carbon black A P. [illegible] Zhur fiz khim 38 no 3 618-622 [illegible]

[illegible] alkylation of benzene by methyl [illegible] presence of aluminum chloride V V [illegible] I A Alekseeva Izv Sib [illegible]

[illegible] in the [illegible] oxide, [illegible] P. [illegible] 1 47-51 '63.

[illegible] merization of butylacetylene with [illegible] F L Makovetskii, V O. Reikhsfel'd, [illegible] Zhur ob khim 34 no 5 1568-1570 Je [illegible]

[illegible] and related com- [illegible] SSSR 157 no 3 586- [illegible]

BENZENE CRYSTALS—GROWTH

[illegible] [with summary in [illegible] Ukr fiz. zhur. no, 2 172- [illegible]

BENZENE DERIVATIVES

[illegible] and trifluoroethylmercapto) [illegible] of benzene. L M IAgupol'skii, V V. Orda. Zhur [illegible] 34 no 6 1 [illegible] 34 Je '64

BENZENESULFENAMIDE

[illegible] morpholine [illegible] I I Fringon N P [illegible] no 5 1608-1609 My [illegible]

BENZILIC ACID

[illegible] method for determining benza- [illegible] [with summary in English] N. P. [illegible] no 2 56-59 Mr-Ap '63.

BENZIMIDAZOLE

[illegible] Part 5 5, 6-dimethyl- [illegible] alkyl-substituted [illegible] G N Lotenkova I V [illegible] 1573-1577 My '64

[illegible] Part 15 Synthesis and [illegible] imidazoles A M Simonov, [illegible] Zhur ob khim 34 no 5 1572-1574 [illegible]

[illegible] Part 33 Benzimidazole 6, 7- [illegible] L S Efros Zhur ob khim [illegible] My '64

[illegible] in animals in acute oxygen deficiency. [illegible] 25 no 1 91-97 Ja-F '63.

BENZOPYRANCARBOXYLIC ACID

Interaction of 4, 4-dichlorochromen-2-carboxylic acid derivatives with cyanoacetic ester V A Zagorevskii, I D TSvetkova, E K. Orlova Zhur ob. khim. 34 no 5 1685-1686 My '64

BENZOTHIADIAZINESULFONAMIDE

Diuretic and hypotensive effect of hypothiazide. N.A. Ratner. Trudy Inst. klin i eksper. kard. AN Gruz. SSR 8 273-277 '63.

BENZOTHIADIAZOLE

2,1,3-Thia- and selenadiazoles. Part 30: Nitration of mono- and dimethyl derivatives of benzo-2,1,3-thiadiazole. V.G. Pesin, V A. Sergeev, A.M Khaletskii Zhur ob khim. 34 no 6 1986-1992 Je '64.

BENZOTHIAZOLE

Addition of nucleophilic reagents to 2-vinylbenzothiazole and 2-propenylbenzothiazole. A.I. Kiprianov, A. IA. Il'chenko, L. M. Syromolotova. Zhur. ob. khim. 34 no.6:1926-1930 Je '64.

BENZOTHIOPHENE

Asymmetrical indigoid dyes. Part 2: Mechanism underlying the transformations of 2-thionaphthene-3'-(N-carboxymethyl)indolindigo. IU. E Gerasimenko, G G Bakulina Zhur. ob. khim 34 no. 6:2015-2019 Je '64

BENZOYL PEROXIDE

Mechanism of interaction between benzoyl peroxide and dimethylaniline as studied by spectral methods S D Stavrova G V Peregudov, M F Margaritova, Dokl. AN SSSR 157 no 3:636-638 Jl '64

BENZYL ALCOHOL

Glycol ethers and their derivatives. Part 76: Synthesis of alkoxymethyl ethers of p-iodobenzyl alcohol. Shamkhal Mamedov, A. Z. Shikhmamedbekova, D. N. Khydyrov. Zhur. ob. khim. 34 no. 6,1818-1824 Je '64.

BERYLLIUM—METALLURGY

Rate of vaporization of components during the thermal dissociation of yttrium and lanthanum berryllides. V. M. Amonenko. Izv AN SSSR. Met i gor. delo no. 3; 158-160 My-Je '64

BERYLLIUM BRONZE

Kozlov, A. E., and others. [Manufacture of diaphragms and bellows from beryllium bronze] Izgotovlenie membran i sil'fonov iz berillievoi bronzy. Leningrad, 1964, 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 2)

BERYLLIUM ISOTOPES

Use of natural H^3 and Be^7 in the study of vertical movements in the atmosphere. V. Lujanas. Trudy AN Lit. SSR. Ser. B no. 1,11-20 '64.

BERYLLIUM-NIOBIUM ALLOYS—METALLOGRAPHY

Crystallization in the system Be - Nb. N. D. Nagorskaia and others. Metalloved. i term. obr. met. no. 6 12-16 Je '64.

BERYLLIUM OXIDE

Neutronographic study of high temperature beryllium oxide. I M. Kuleshov, G G. Sadikov, Z. A. Sokolova. Zhur fiz. khim. 36 no. 6;1369-1371 Je '62.

BESSARABIA—REVOLUTION OF 1905

Revolutionary movement in southern Bessarabia in 1905. M. D. Shevchenko. Pratsi Od. un. 150 Zbir. stud. rob. no. 6;9-18 '63.

BESSEMER PROCESS

Changes in the oxidation of slag during top oxygen blowing of cast iron in converters. E. M. Ogryzkin. Izv. AN SSSR. Met. i gor delo no 3;42-51 My-Je '64.

BET-PAK-DALA—WEED CONTROL

Testing herbicides on plants infesting drainage systems of the Golodnaya Steppe. K. A Bersonova, U. Mukhitdinov. Uzb biol. zhur. 7 no. 1;72-77 '63.

BETA-RAY SPECTROMETRY

Mean energies of electron and positron beta-spectra. N. S. Shimanskaia, E. G. Zaletskii. Atom. energ. 17 no. 1.8-17 Jl '64.

BETA RAYS

(see also subdivision under Atlantic Ocean)

Determining the mean energy of β-radiation from low-activity samples. S. V. Belov, A. P. Bychkov. Atom. energ. 16 no. 6;519 Je '64.

BETOL

Crystallization of supercooled betol and azobenzene. M. S. TSedrik. Krist. zhid. no. 2,35-47 '63.

BEVEL-GEARING see Gearing, Bevel

BEZDID'KO, IVAN TIKHONOVICH

Wrath of Ivan the Terrible. Ivan Paderin. Sov. voin 46 no. 12;19-21 Je '64

BIBENZYL

Preparation and study of nitroso derivatives [illegible] benzyl. B. A. Porai-Koshits, E. N. Sof'ina, [illegible] Zhur. ob. khim. 34 no. 6:2084-2085 Je '64

BIBENZYL CRYSTALS—SPECTRA

Spectral study of a mixed bibenzyl - [illegible] 20, 4° and 4, 2°K [with summary in English] [illegible] Malykhina, M. T. Shpak. Ukr. fiz. zhur. [illegible] 178 F '64.

BIBIEYBAT OIL FIELD—EARTH TEMPERATURE

Certain results of the geothermal investigations [illegible] Bibieybat Field. F. A. Vezir-zade, [illegible] Izv vys ucheb zav., neft' i gaz, [illegible]

BIBLIOGRAPHY

[Book chronicle] Knizh. let. nos. 27-31 '64; [illegible] nyi vypusk nos. 6-7 '64.

Bookshelf. Nar. obr. no 7:103, 113, 121 [illegible]

Brief notes on books. Priroda 53 no 7 [illegible] 94 '64

[Information index of bibliographical lists and card files] Inform ukaz. bibl. spis. i kart. [illegible]

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. [Information on library work and bibliographies abroad; collection of materials, July-September 1963] Informatsiia o bibliotechnom dele i bibliografii za rubezhom; sbornik materialov (iiul'-sentiabr' 1963 g.). Moskva, Otdel [illegible] 1963. 85 p.

New books. Nov. tekh 30 no. 10,203-204 [illegible] '64

[New books; bibliographical weekly] Nov. knigi [illegible] bibl. zhur. nos. 24, 27-30, 32 Je-Ag '64

[New books of the U.S.S.R.] Nov. knigi SSSR [illegible] 25-29 Je-Jl '64.

[New literature on science and research [illegible] lit. o nauke i nauch.-issl. rab. za rub. nos 2 [illegible]

[New Soviet literature on science and general research in the U.S.S.R.] Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR nos. 4-6 '64.

BIBLIOGRAPHY—ACADEMY OF SCIENCES OF THE KIRGHIZ S. S. R.

Akademiia nauk Kirgizskoi SSR, Frunze. [Bibliography of the publications of the Academy of Sciences of the Kirghiz S. S. R., 1960-1961] Bibliografiia izdanii Akademii nauk Kirgizskoi SSR, 1960-1961. Sostaviteli L. M. Erman, M. M. Bazhenova i E. G. Kshimiaeva. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964 219 p.

BIBLIOGRAPHY—ACQUISITIONS (LIBRARIES)

System of publications announcing the acquisition of foreign books by Soviet libraries. IA. [illegible] Sov. bibl. no. 3:33-40 '64.

BIBLIOGRAPHY—AERONAUTICS

For rocket gunners and aviators. Tekh. i vooruzh. no. 6:94-95 Je '64.

BIBLIOGRAPHY—AFRICA

[New Soviet and foreign literature on the countries of Asia and Africa] Nov. sov. i inostr. lit. po stran. Az. Afr. nos. 1-5 '64.

BIBLIOGRAPHY—AGRICULTURAL CHEMISTRY

Moscow. Gosudarstvennaia publichnaia nauchno-tekhnicheskaia biblioteka. [Development of chemical industry; index of recommended literature] Bol'shaia khimiia; rekomendatel'nyi ukazatel' literatury. Moskva, 1963 18 p. (Navstrechu Plenumu TsK KPSS)

BIBLIOGRAPHY—AGRICULTURAL MACHINERY

From the pages of foreign journals. S. A. [illegible] Trakt i sel'khozmash no. 6,46-47 Je '64

BIBLIOGRAPHY—AGRICULTURE

Agricultural subjects represented in "Biologiia," a journal of abstracts. E. I. Saks. Sov. bibl [illegible] 102 '64.

Bibliography as an aid to agricultural production [illegible] Konskii, L. V. Lialikova. Sov. bibl. no. 3:[illegible] '64

Books sent to the editor for comment. Agrobiologiia no. 3:477-479 My-Je '64.

Catalog of bibliographical lists issued during quarters 2-4 in 1957. Biul. TSentr. nauch. sel'khoz. bibliot. [illegible] 47-50 '58.

Catalog of bibliographical lists issued during quarters 2-4 of 1960 and quarter 1 of 1961. Biul. TSentr. nauch. sel'khoz. bibliot. no. 7:76-80 '61.

Catalog of translations, abstracts, and reviews in the collections of the Central Agricultural Library. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1:40-48 '58.

Catalog of translations, abstracts, and reviews on general agronomy and general plant growing. Biul. TSentr. nauch. sel'khoz. [illegible]

[illegible] pages of foreign biological and agricultural [illegible] N. Nemrat, [illegible] 3:475-4[illegible] My-Je '64

[illegible] o g lecks, reserch [illegible] during 2; inform. biul. new knig, postup. v Bibl. im. V. I. Len. Ser. 3 [illegible] no. 18 [illegible] '64.

[illegible] Series Biology, medicine, agri [illegible] V B. o'. med., sel' [illegible] '64

BIBLIOGRAPHY—ANTS

Ants as the defenders of forests, bibliography of G Cotti on red ants K V Kostrin Priroda 53 no 7 122-123 '64

BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov.inostr.lit po ist., arkheol.i etn. nos 1,4-5 '64.

[New Soviet literature on history, archaeology, and ethnography] Nov.sov lit.po ist , arkheol i etn. nos.1,4 '64

BIBLIOGRAPHY—ART

[Literature and art of the peoples of the U.S.S.R. and foreign countreis] Lit.i isk.nar SSSR i zarub.stran no 4 '64

BIBLIOGRAPHY—ASIA

[New Soviet and foreign literature on the countries of Asia and Africa] Nov.sov.i inostr lit.po stran.Az.i Afr nos.1-5 '64

BIBLIOGRAPHY—ASTRONOMY

Popular science literature on astronomy, survey of 1962-1964 publications. IU G Perel' Priroda 53 no 7. 199-121 '64

BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of religion and atheism] Nov.sov i inostr.lit.po vop.rel. i ateiz. no.1/3 '64.

BIBLIOGRAPHY—ATOMIC ENERGY

Books. Atom.energ. 17 no.1:79-80 Jl '64.

New literature. Atom.energ. 16 no.6:547-550 Je '64.

BIBLIOGRAPHY—AUTOMATION

Bibliography of literature on cybernetics, automation, and remote control. I.P.Osipova. Sov bibl no 3: 102-103 '64.

New books. Vest.mashinostr. 44 no.2:85-87 F '64.

Review of foreign periodicals. Vest.mashinostr. 44 no. 2:88-91 F '64.

BIBLIOGRAPHY—AZERBAIJAN—MEDICAL HELMINTHOLOGY

Bibliographic index of medical helminthology in Azerbaijan for the period 1876-1962 G B.Kasimov, Sh. A. Makhmudova. Azerb. med. zhur. 40 no.10.62-65 O '63

BIBLIOGRAPHY—BIOLOGY

Bookshelf. B. A. Nikitiuk. Arkh.anat., gist.i embr. 44 no.6-120-123 Je '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform.biul.nov.inostr. knig, postup.v Bibl.im.V.I.Len.Ser.2 7 no.19 Jl '64.

[New foreign books. Series V: Biology, medicine, agriculture] Nov.knigi za rub.Ser.V· Biol., med., sel'. khoz. 8 no.6 Je '64.

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov.lit.po Bolg. nos.4-5 '64.

BIBLIOGRAPHY—BULGARIAN PERIODICALS

Great contribution to Bulgarian bibliography. N. V. Busse. Sov.bibl. no.3:127-130 '64.

BIBLIOGRAPHY—CERAMICS

New books from the State Construction Publishing House. Stek.i ker. 21 no.1.49 Ja '64.

BIBLIOGRAPHY—CHEMICAL INDUSTRIES

Moscow. Gosudarstvennaia publichnaia nauchno-tekhnicheskaia biblioteka. [Development of chemical industries, index of recommended literature] Bol'shaia khimiia; rekomendatel'nyi ukazatel' literatury. Moskva, 1963. 16 p. (Navstrechu Plenumu TsK KPSS)

BIBLIOGRAPHY—CHEMICAL MACHINERY

Bibliography. Khim.mashinostr. no. 1:48 Ja '63.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry; classed index of articles in foreign periodicals] Khim.; sist.uk.st.v inostr.zhur. no.5 My-Je '64.

To be published by the "Nauka" publishing house. Khim. prom. no.4:313 Ap '64.

BIBLIOGRAPHY—CHEMISTRY, TECHNICAL

New books for workers of the chemical industry. Khim. prom. no.4:311-312 Ap '64.

BIBLIOGRAPHY—CHURCH SLAVIC LANGUAGE

Bibliography of literature on the Old Church Slavic language published in the U.S.S.R. from 1945 to 1961 I.E.Mozhaeva, K.I.Khodova. Vop.slav.iaz. no.7: 148-169 '63.

BIBLIOGRAPHY—COAL MINES AND MINING

New publications. Ugol' 39 no.6:79-80 Je '64.

BIBLIOGRAPHY—COAL MINING MACHINERY

New books. Sov.shakht. 11 no.12:42 D '62.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Bibliography of the literature on the history of the CPSU. I.S.Belen'kii Sov.bibl. no 3:65-70 '64

BIBLIOGRAPHY—CONSTRUCTION EQUIPMENT

New books. Stroi i dor.mash 8 no 12 33 D '63.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

From the pages of magazines. Stroi i dor mash 8 no.12,33-34 D '63.

BIBLIOGRAPHY—CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov.lit.po Chekh. nos.4-5 '64.

BIBLIOGRAPHY—DON REGION

Merits and shortcomings of a bibliography on the history of the Don. G.A.Glavatskikh Sov.bibl. no 3:78-81 '64.

BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov.knigi za rub.po obshchestv.naukam, ekon., filos., ist., mezhdunar.otn. 7 nos.6-7 Je-Jl '64.

[New foreign economic literature] Nov.inostr.ekon. lit. nos 1,3-5 '64.

[New Soviet economic literature] Nov.sov.ekon.lit. nos.4-5 '64.

BIBLIOGRAPHY—EDUCATION

Among the new publications of pedagogical literature E Lebedeva Nar.obr no 7 115-118 Jl '64

Bookshelf Nar obr no.6·105, 108, 112 Je '64

[Literature on the pedagogical sciences and public education] Lit po ped.naukam i nar.obr. Apr.-June 1963 no.2 '63.

BIBLIOGRAPHY—ELECTRONICS

Books on radio engineering and electronics for 1964 G S.Lantsberg Radiotekh i elektron 9 no.5·911-939 My '64

BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov.inostr.lit.po ist., arkheol.i etn nos.1,4-5 '64.

[New Soviet literature on history, archaeology, and ethnography] Nov.sov.lit.po ist., arkheol.i etn. nos.1,4 '64.

BIBLIOGRAPHY—FINANCE

Literature on finance published in 1964. K.Subbotina. Fin.SSSR 38 no.7:86-88 Jl '64.

BIBLIOGRAPHY—FOUNDATIONS

Book reviews and bibliography. Osn., fund.i mekh.grun. 6 no.3,31-32, 3 of cover '64.

BIBLIOGRAPHY—GAS INDUSTRY

Bibliography Gaz.prom 8 no.3:55-56 '63.

BIBLIOGRAPHY—GEODESY

Belikov, E.F., and L.P.Solov'ev, comps. [Bibliographic index of geodetic literature for the five-year period 1957-1961] Bibliograficheskii ukazatel' geodezicheskoi literatury za 5 let, 1957-1961. Pod red. L.S.Khrenova. Moskva, Nedra, 265 p.

BIBLIOGRAPHY—GEORGIA

Book Chamber of the Georgian S.S.R. is 40 years old. K.N.Babaenko. Sov.bibl. no.3:110-112 '64.

BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov.lit po Ger.Dem.Resp. nos.3-5 '64.

BIBLIOGRAPHY—GLASS MANUFACTURE

New books from the State Construction Publishing House. Stek.i ker. 21 no.1:49 Ja '64.

BIBLIOGRAPHY—HERBICIDES

Use of herbicides in Kazakhstan; annotated bibliography for 1962-1963. P.N.Glazkov Vest.sel'khoz.nauki (Kazakh.) 7 no.6:115-117 Je '64.

BIBLIOGRAPHY—HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

Materials for a bibliography of A.I.Hertzen's works and literature on him, 1958-1961. L.I.Zen'kovich, T.I Nabokova, L.S.Tereshchatova. Uch.zap.Ped.inst. Gerts. 237:251-380, '63.

BIBLIOGRAPHY—HISTORY

New Books. Ist. SSSR 7 no.2:237-238 Mr-Ap '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov.knigi za rub.po obshchestv.naukam; ekon., filos., ist., mezhdunar.otn. 7 nos.6-7 Je-Jl '64.

[New foreign literature on history, archaeology, and ethnography] Nov.inostr.lit.po ist., arkheol.i etn. nos.1,4-5 '64.

[New Soviet literature on history, archaeology, and ethnography] Nov sov.lit.po ist., arkheol.i etn. nos.1,4 '64.

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov.lit.po Veng. nos 4-5 '64.

BIBLIOGRAPHY—HYDATIDS

Literature on echinococcosis IU.M Vereiutin, G.P. Zinchenko, I I Shmat'ko Uch zap Stavr gos med inst 8 258-290 '63

BIBLIOGRAPHY—HYDRAULIC ENGINEERING

Hydraulic engineering and reclamation. Biul.TSentr. nauch.sel'khoz bibliot no 7:63-75 '61

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov knigi za rub.po obshchestv.naukam; ekon., filos , ist., mezhdunar.otn. 7 nos.6-7 Je-Jl '64.

BIBLIOGRAPHY—KHABAROVSK TERRITORY—GEOGRAPHY

Geograficheskoe obshchestvo SSSR. Priamurskii (Khabarovskii) filial. [Khabarovsk Territory, the Far East; index of works of the Amur Branch of the Geographical Society of the U.S.S.R.] Khabarovskii krai, Dal'nii Vostok, ukazatel' trudov Priamurskogo filiala Geograficheskogo obshchestva SSSR, 1957-1961 g Khabarovsk, 1962. 23 p.

[MICROFILM]

BIBLIOGRAPHY—KIRGHIZISTAN—HISTORY

Books on the great brotherhood of peoples. M.A. Semichaevskii. Ist.SSSR 8 no.1:167-169 Ja-F '64.

BIBLIOGRAPHY—LABOR AND LABORING CLASSES

Moscow. Nauchno-issledovatel'skii institut truda. [Labor and wages, a bibliography of literature published in the U.S.S.R. in Russian in 1961] Trud i zarabotnaia plata; bibliograficheskii ukazatel' literatury, izdannoi v SSSR na russkom iazyke v 1961 g. Moskva, 1963. 519 p.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

[New foreign literature on linguistics] Nov.inostr.lit.po iaz. nos.4-5 '64.

[New Soviet literature on linguistics] Nov.sov.lit.po iaz no.4 '64.

BIBLIOGRAPHY—LAW

New legal literature in the U.S.S.R. (January-February 1964) Sov.gos.i. pravo 34 no.5:161-167 My '64.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

New works on V.I.Lenin published in the provinces. R. M. Savitskaia. Ist. SSSR 7 no.2:161-165 Mr-Ap '63.

BIBLIOGRAPHY—LIGHTWEIGHT CONCRETE

New books on keramzit concrete. I. I. TSygankov. Bet.i zhel.-bet. 10 no.4:186-187 Ap '64.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3; Social sciences, belles-lettres, art] Inform.biul.nov.inostr.knig, postup.v Bibl.im.V.I.Len.Ser.3· Obshchestv.nauki, khud.lit., isk. 7 nos.18,20-22 Je-Ag '64.

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit.i isk.nar.SSSR i zarub.stran no.4 '64.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr.lit.po lit. nos.4-5 '64.

[New Soviet literature on the study of literature] Nov. sov.lit.po lit. nos.4-5 '64.

BIBLIOGRAPHY—MACHINE TOOLS

Books, dissertations, periodicals. Stan.i instr. 35 no.5:45-47 My '64.

BIBLIOGRAPHY—MACHINERY INDUSTRY

Bibliographical indexes and card catalogs. Vest.mashinostr. 44 no.2:91-95 F '64.

New books. Mashinostroenie no.1:102 Ja-F '64.

New books. Vest.mashinostr. 44 no.2:85-87 F '64.

Review of foreign periodicals. Mashinostroenie no.1: 117 Ja-F '64.

Review of foreign periodicals. Vest.mashinostr. 44 no.2:88-91 F '64.

BIBLIOGRAPHY—MAPS

[Cartographic chronicle, 1963] Kart.let., 1963, publ. '64.

BIBLIOGRAPHY—MARITIME LAW

New foreign studies in the field of maritime law. Inform. sbor.TSNIIMF no.86.Mor.pravo i prak. no.19:80-82 '63.

BIBLIOGRAPHY—MATERIALS HANDLING

New books from the State Construction Publishing House. Stek.i ker. 21 no.1:49 Ja '64.

[illegible] MATHEMATICAL PHYSICS
[illegible]

[illegible] MATHEMATICS
[illegible]

[illegible]
[illegible]

[illegible] 44

[illegible] art, scientific [illegible] tr. [illegible] 2 7 [illegible] 19 Jl

[illegible] edition, seri- [illegible] self [illegible]

[illegible] METALS
[illegible] Metalloved [illegible]
[illegible] '64, 3
[illegible] no 2 19 F

[illegible]—MILITARY ART AND SCIENCE
[illegible] art. Voen.-ist. [illegible]

[illegible]—MILITARY HISTORY
[illegible] art. Voen.-ist. [illegible]

BIBLIOGRAPHY—MINING ENGINEERING
New [illegible] 3 no 7, 32 My '64
New [illegible] no 4 53-54 Ap '64

BIBLIOGRAPHY—MUSIC
[illegible] P. Kiev. Instytut mystetsvoznav- [illegible] [Shevchenko and music, [illegible] materials, 1861-1961] [illegible] bibliografichni [illegible] Sklala A. I. Kaspert. Kyiv, [illegible]

BIBLIOGRAPHY—NERVOUS SYSTEM—DISEASES
[illegible] and [illegible] Central Scien- [illegible] S. Akhutin [illegible] '64

BIBLIOGRAPHY—PERIODICALS
[illegible] reference work on periodicals. I. A. Samarets [illegible] no 3:131-134 '64

BIBLIOGRAPHY—PHARMACY
[illegible] literature of the [illegible] 2. Apt. del. 11 [illegible]

BIBLIOGRAPHY—PHILOSOPHY
[New foreign books on the social sciences, economics, [illegible] history, international relations] Nov knigi za rub. po [illegible] ekon., filos., ist., [illegible] 7 nos 6-7 Je-Jl '64.
[New foreign literature on philosophy] Nov. inostr. lit po [illegible] 4 [illegible] '64
[New [illegible] literature on philosophy] Nov. sov. lit. po [illegible] 4 '64

BIBLIOGRAPHY—PLANTS, PROTECTION OF
[illegible] Zashch. rast. ot vred. i bol. 9 no. 6:21 '64.

BIBLIOGRAPHY—POLAND
[New literature on Poland] Nov. lit. po Pol' no. 4 '64.

BIBLIOGRAPHY—POLYMERS
[illegible] Soviet and foreign literature on polymeric materials and their uses. V. A. Baranovich. Kauch. i rez. 23 no 4:57-59 Ap '64.

BIBLIOGRAPHY—PSYCHIATRY
[illegible] and psychiatry and related [illegible] by the State Central Scien- [illegible] in February, 1964. S. Akhutin [illegible] no 3 [illegible] '64

BIBLIOGRAPHY—RECLAMATION OF LAND
[illegible] engineering and reclamation. Biul. TSentr [illegible] 63 75 '61

BIBLIOGRAPHY—REFRACTORY MATERIALS
Bibliography. Ogneupory 29 no 5:240 '64

BIBLIOGRAPHY—RELIGION
[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateizma no 1 [illegible] '64

BIBLIOGRAPHY—RUBBER
Articles on crude and vulcanized rubber published in the second half of 1963. Kauch. i rez. 23 no 4:58-62 Ap '64.

BIBLIOGRAPHY—RUMANIA
[New literature on Rumania] Nov. lit. po Rum. nos. 3-5 '64

BIBLIOGRAPHY—RURAL CONSTRUCTION
[illegible] Sil'. bud. 13 no. 7 24 Jl '63

BIBLIOGRAPHY—RUSSIA—LITERATURES
Startsev, I. I. [Literature of the peoples of the U. S. S. R. translated into Russian, a bibliography, 1955-1959] Khudozhestvennaia literatura narodov SSSR v perevodakh na russkii iazyk, bibliografiia, 1955-1959. Moskva, Izd-vo "Khudozhestvennaia literatura, 1964. 725 p.

BIBLIOGRAPHY—RUSSIAN LITERATURE
History of book-publishing and bookselling bibliography. S. V. Belov. Sov. bibl. no 3:61-64 '64.

BIBLIOGRAPHY—RUSSIAN STUDIES
[illegible] of periodicals in Soviet studies. R. Z. [illegible] Isel otd Inst po izuch SSSR no 53/54 95- [illegible] Ja-F '64

BIBLIOGRAPHY—SATIRE
Ormilel', E. K. [*Soviet satire*; a seminar] Sovetskaia satira: seminarii. Posobie dlia studentov. *Moskva, Izd-vo* "Prosveshchenie," 1964. **259 p**

BIBLIOGRAPHY—SCIENCE
[Information bulletin of new foreign books, received by the Lenin Library. Series 1] *Inform* biul. nov. inostr knig, postup v Bibl. im. V. I. Len. Ser. 1 9 nos. 18-19 *Je-Jl* '64
[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov. knigi za rub. Ser. A 17 nos. 6-7 *Je-Jl* '64
"Science citation index." N. V. Krylova. Sov. bibl. no 3:134-136 '64

BIBLIOGRAPHY—SHEVCHENKO, TARAS *HRYHOROVYCH*, 1814-1861
Akademiia nauk URSR, Kiev. Instytut *mystetsvoznavstva*, fol'kloru ta etnografii. [Shevchenko and music, list of scores and bibliographic *materials, 1861-1961*] Shevchenko i muzyka, notografichni ta *bibliografichni* materialy (1861-1961). Sklala A. I. Kaspert. Kyiv, Mystetstvo, 1964. 163 p.
Bibliography *of T. G. Shevchenko in* the Russian language. R. B. Mil'kina. Sov. bibl. no. 3:70-77 '64

BIBLIOGRAPHY—SOCIAL SCIENCES
[Information bulletin of new foreign books, received by the Lenin *Library. Series 3:* Social sciences, belles-lettres, art] Inform. biul *nov. inostr.* knig, postup v Bibl. im V. I. Len. Ser 3 *Obshchestv.* nauki, khud. lit., is. 7 nos 18, 20-22 *Je-Ag '64*

BIBLIOGRAPHY—SOIL MECHANICS
Book reviews and bibliography. Osn., fund. i mekh. grun. 6 no 3:31-32, 3 *of cover* '64.

BIBLIOGRAPHY—SOVIET FAR EAST—GEOGRAPHY
Geograficheskoe obshchestvo SSSR. Priamurskii (Khabarovskii) *filial.* [Khabarovsk Territory, the Far East; index of *works of the* Amur Branch of the Geographical Society of the U. S. S. R.] Khabarovskii krai, *Dal'nii Vostok*, ukazatel' trudov Priamurskogo filiala Geografi*cheskogo obshchestva* SSSR, 1957-1961 g. Khabarovsk, 1962. 23 p.
[MICROFILM]

***BIBLIOGRAPHY*—STOCK AND STOCKBREEDING**
Moscow. *Vsesoiuznyi* nauchno-issledovatel'skii institut zhivotnovodstva. [Bibliographic index of published works by members of the All-*Union* Scientific Research *Institute* of Animal Husbandry 1929-1962] Bibliograficheskii ukazatel' *pechatnykh rabot* sotrudnikov VIZHa 1929-1962. Pod red. A. S. *Vsiakikh.* [n. p.] Otdel nauchno-tekhn. informatsii VIZHa, 1962. 120 p.

BIBLIOGRAPHY—TECHNOLOGY
[Information bulletin of new foreign books, received by the Lenin Library. *Series 1*] Inform. biul. nov. *inostr.* knig, postup. *v Bibl. im.* V. I. Len. Ser. 1 9 nos. 18-19 Je-Jl '64.
[*New foreign books. Series* B: Technology] Nov. knigi za rub. Ser. B: Tekh. 8 *nos. 6-7* Je-Jl '64.

BIBLIOGRAPHY—TOXOPLASMOSIS
Galuzo, I. G., *and* D. N. Zasukhin, eds. [Toxoplasmosis in man and animals; *index of* Soviet and foreign literature, 1908-1962] *Toksoplazmoz* cheloveka i zhivotnykh; ukazatel' otechestvennoi i inostran*noi* literatury, 1908-1962. Alma-Ata, Izd-vo *Akad.* nauk Kazakhskoi SSR, 1963. 410 p.

BIBLIOGRAPHY—*TRANSPORTATION*, A*UTOMOTIVE*
New books. Avt transp. 42 no. 6:63-64 Je '64

BIBLIOGRAPHY—UKRAINE
New books. Dop. AN URSR no. 6:830-834 '63.

BIBLIOGRAPHY—UKRAINE—BOTANY
Literature *on the flora* and vegetation *of the Ukrainian* S. S. R. published in 1960. A. I. Barbarych, *H. O.* Kuznetsova. Ukr. bot. zhur. 21 no. 3:93-108 '64.

BIBLIOGRAPHY—WHITE RUSSIA—WORLD WAR, 1939-1945
The White Russian operation. D. Panov. [illegible] 6 no. 6:93-90 Je '64.

BIBLIOGRAPHY—WOOD—CHEMISTRY
From scientific and technical journals. [illegible] lesokhim. prom. 17 no. 4:inside [illegible]-3 of cover [illegible]

BIBLIOGRAPHY—WOODWORKING INDUSTRIES
New books. Der. prom. 13 *no. 3:30* M[illegible] '64.

BIBLIOGRAPHY—YUGOSLAVIA
[New literature on Yugoslavia] Nov. lit. po Iug. [illegible] 3-5 '64.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)
Improving the system of bibliographical [illegible] workers. L. I. Zaderman. Sov bibl [illegible]
In the bibliographical section. A. N. Vorovkina. [illegible] bibl. no 3:112-114 '64.
Method of selecting material for special [illegible] bibliographies. IU. D. Ryskin. Sov. bibl. [illegible] '64

BICILLIN
Effect of overheating on the course and results [illegible] ment of experimental streptococcal focal [illegible] rats. N. Askarkhodzhaeva. Pat. fiziol. [illegible] 7 no. 6 34-37 N-D '63

BILE
Bile secreting *function of the liver* and the [illegible] composition of bile in experimental cholester[illegible] sclerosis *in rabbits. K. I. TSintsadze, N. K.* [illegible] V. K. Eliozishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:159-171 '63.

BILE DUCTS—DISEASES
Cholodochotomy in chronic and acute cholecystitis. B. A. Petrov, E. I. Gal'perin. Khirurgiia 40 no 2: 60-65 F '64.

BILE DUCTS—HYDATIDS
Echinococcosis of the common bile duct. [illegible] kin. Uch. zap. Stavr. gos. med. inst. [illegible]

***BILE DUCTS*—SURGERY**
Echinococcosis of the common bile duct. [illegible] kin. Uch. zap. Stavr. gos. med. inst. [illegible]

***BILIARY* CALCULI *see* Calculi, Biliary**

BILIARY TRACT—DISEASES
Primary inflammatory and cicatricial narrowing of the hepatocystic duct. A. V. Bel'skii. Vest. khir. [illegible] 30-34 O '63

BILIARY TRACT—*HYDATIDS*
Rupture of echinococcal cysts of the liver into the [illegible] *er*, and the bile ducts. A. A. Izotova. [illegible] *gos. med. inst.* 8:219-221 '63

BILIARY TRACT—INFLAMMATION
Rational use of antibiotics in the treatment of inflam[illegible] tory *diseases of the bile ducts*. M. S. Poliak. [illegible] 91 no 10:35-39 O '63.

BILIARY TRACT—SURGERY
Continuous suction of the contents through a duodenal catheter *in surgery of the biliary tract*. [illegible] S. D. Popov. Vest. khir. 91 no. 10:3-8 O [illegible]

BINDING MATERIALS
Active mineral additives to *binders*. *Biul. stroi. tekh.* [illegible] no. 1:16-18 Ja '64.
Binder based on vat residues of paraffin oxidation. [illegible] Beliakov. Mashinostro*enie no.* 1:53-55 Ja-F '64.

BIOCATALYSTS
Some *biocatalysts* of the blood in heart defects with different degrees *of blood circulation* insufficiency. V. B. Litanishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:391-394 '63.

BIOCHEMICAL RESEARCH *see* subdivision under Ukraine

BIOCHEMISTRY
"Biophysical chemistry" *by A. G. Pasynskii*. Zhur. fiz. khim. 38 no. 3:817 Mr '64.
Chemical composition of the paratyphoid A bacillus and the yellow cultures isolated *together with it*. T. [illegible] Halkina, M. O. Ilishyna. Mikrobiol. zhur. 25 no 6 3-8 '63.
Effect of *atropine* on skin polarizing potentials. V. K. Vasil'eva. Nerv. sist. no. 3:62-68 '62.
Effect of *some substances* on the biosynthesis of cholesterol and the total *lipid fraction* in the brain of growing rats. M. I. Prokhorova, G. P. Sokolova. Nerv. sist. no. 3:8-11 '62.
Study of free radicals in biological objects generated during the course *of enzymatic* reactions by the electron paramagnetic resonance method. *A. O. Chetverikov* and others. *Biofizika* 9 no. 1:18-24 '64.

BIOCHEMISTRY—ABSTRACTS
[Biochemistry] Ref. zhur.: Biol. khim. nos. 11, 13 Je-Jl '64.

BIOCHEMISTRY—CONGRESSES

Fifth International Biochemical Congress. B. F. Vanlushin. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no 2: 63-72 Mr-Ap '62.

Third Volga Valley Conference of Physiologist, Biochemists and Pharmacologists G N Smetankin Zhur vys nerv. deiat 13 no 6 1108-1110 N-D '63

BIOENERGETICS

Theoretical calculations of thermal effect of the anaerobic and aerobic oxidation of hexoses S E Manoilov Biofizika 9 no 1·64-67 '64

BIOGEOCHEMISTRY

V. I. Vernadskii's theory about the biosphere and its importance for modern oceanology. L. A. Zenkevich Vest Mosk. un. Ser 6 Biol., pochv. 18 no 3 4-9 My-Je '63.

BIOLOGICAL PRODUCTS

Biological properties of preparations obtained on the basis of oxycellulose E D. Buglov and others Vestsi AN BSSR. Ser fiz -tekh nav. no. 1 55-60 '64.

BIOLOGICAL RESEARCH

(see also subdivision under Armenia)

V. I Lenin and Soviet biological science. F G Tveritnev Uch zap Tadzh. un. 17. Trudy Fak. est nauk no 3 3-14 '55

BIOLOGICAL WARFARE—SAFETY MEASURES

Special treatment. I. Kantyrev. Starsh.-serzh. no. 6: 28-29 Je '64.

BIOLOGY

Brief news Biul. MOIP. Otd. biol. 67 no. 6·121-129 N-D '62

Colicinogenicity as a general biological problem. V.D. Timakov and others. Vest. AMN SSSR 19 no.1:60-72 '64.

[New developments in biology and medicine] Novoe v biologii i meditsine. Leningrad, Ob-vo "Znanie," 1964. 6 nos.

  Makarov, P. O. [New developments in the biophysics of stimulation and perception, neurodynamics of pain] Novoe v biofizike razdrazheniia i oshchushcheniia; neirodinamika boli. 55 p.

  Gulíaov, P. I. [Modeling in biological cybernetics and bionics. The problem of the medicinal treatment of cancer. Achievements of pharmacology in the research for new drugs] Modelirovanie v biologicheskoi kibernetike i bionike. Problema lekarstvennogo lecheniia raka [by] N. V. Lazarev. Uspekhi farmakologii v izyskanii novykh lekarstvennykh sredstv [by] S. V. Anichkov. 51 p.

  Danilov, I. V., N. A. Kostenetskaia, and P. S. Kupalov. [Tonus and the working capacity of the brain. New developments in the prevention, diagnosis, and treatment of nervous diseases. Achievements in the prevention and treatment of mental diseases] Tonus i rabotosposobnost' mozga. Novoe v profilaktike, diagnostike i lechenii nervnykh boleznei [by] N. A. Kryshova. Dostizheniia v profilaktike i lechenii psikhicheskikh zabolevanii [by] D. N. Isaev i S. S. Mnukhin. 46 p.

  Alisov, P. A., and A. P. Kazantsev. [Success in the control of infectious diseases. Role of vaccinations in the reduction and elimination of epidemic diseases. Achievements and difficulties in the prevention and treatment of skin diseases] Uspekhi v bor'be s infektsionnymi zabolevaniiami. Rol' privivok v snizhenii i likvidatsii epidemicheskikh zabolevanii [by] I. I. Rogozin. Dostizheniia i trudnosti v profilaktike i lechenii kozhnykh boleznei [by] P. V. Kozhevnikov. 64 p.

  Uglov, F. G. [Surgery on the heart and vessels. Achievements of Soviet ophthalmology. Contemporary conception of atherosclerosis. New developments in the prevention and treatment of gastrointestinal diseases] Khirurgiia serdtsa i sosudov. Dostizheniia sovetskoi oftal'mologii [by] M. B. Chutko. Sovremennoe predstavlenie ob ateroskleroze [by] Z. M. Volynskii. Novoe v profilaktike i lechenii zheludochno-kishechnykh zabolevanii [by] O. P. Kufareva i F. I. Komarov. 55 p.

  (DNLM)

Regressive development in biology. V.V. Kuprilanov. Vest. AMN SSSR 19 no.1:33-43 '64.

Supplement. Biul. MOIP. Otd. biol. 67 no. 6:130-163 N-D '62.

Supplement. V. D. Fedorov and others. Biul. MOIP. Otd. biol. 69 no. 3:158-166 My-Je '64

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. no.13 Jl '64.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PHILOSOPHY

Filatova, A. N. [Some aspects of the theory of concepts; in connection with the penetration of the ideas of development into biology] Nekotorye voprosy teorii poniatiia; v sviazi s proniknoveniem idei razvitiia v biologiiu. Moskva, "Vysshaia shkola," 1962. 109 p. (Materialy k lektsiiam po filosofii)

  (RPB)

Is telepathy scientific? D.A. Biriukov Vest. AMN SSSR 19 no.1:43-53 '64.

A new book on the dialectics of living nature discussed by philosophers and biologists V. D. Il'ichev, E. V. Volkova, A. I. Filiukov Nauch dokl vys. shkoly, filos nauki 7 no. 2 164-167 '64

Philosophy of biology, collection "Essay on the dialectics of living nature" A D Sukhov Priroda 53 no 7 118-119 '64

Universality of the matrix principle in biology and the laws of dialectics. I.G. Balandin. Vest. AMN SSSR 19 no.1:22-26 '64.

BIOLOGY—STATISTICS

Review of V.IU. Urbakh's book "Mathematical statistics for biologists and physicians" E.I. Soltyskii. Vest. AMN SSSR 19 no.1:93-94 '64

BIOLUMINESCENCE

Catode luminescence of normal and cancerous cells V S Piatenko, B N Tarusov Biofizika 9 no 1 134-135 '64

Effect of temperature on the luminescence of muscles and muscle proteins I G Shtrankfel'd Biofizika 9 no 1 68-72 '64

Method of ultraviolet and luminescent characterization of the myocardium. A.N. Banaru. Trudy Inst. klin. i eksper kard. AN Gruz. SSR 8:423-426 '63

Ultraviolet luminescence of muscles and muscle proteins. I. G. Shtrankfel'd. Biofizika 8 no. 6·690-695 '63

BIOMATHEMATICS

Some examples of the use of mathematics in the quantitative evaluation of microbiological phenomena. K N Kondrat'ev. Trudy TomNIIVS 14:130-141 '63.

BIONICS

(see also subdivision under Armenia)

Bionics and measurements K B Karandeev, B I Puchkin. Izm tekh no 4·16-18 Ap '64

Zuev, A. K. [Self-regulation in technology and living nature] Samonastroika v tekhnike i zhivoi prirode. Riga, Izd-vo Akad. nauk Latviiskoi SSR. 1964 71 p.

BIOPHYSICAL RESEARCH see subdivision under Armenia

BIOPHYSICS

"Biophysical chemistry" by A.G. Pasynskii. Zhur. fiz. khim. 38 no.3:817 Mr '64.

BIPHENYL

Decomposition of phenyl acetate of mercury oxide in solvents. M. A. Maer and others Vestsi AN BSSR Ser fiz.-tekh nav. no 1 49-54 '64

Determination of the position of the vinyl group in vinyl diphenyl oxide isomers from the absorption spectra. I. V. Rodnikova, O. K. Surnina. Zhur. fiz. khim 36 no. 6:1287-1292 Je '62.

Obtaining diphenyl and pure benzene by pyrogenetic synthesis from benzene fraction stock. R. G. Ismailov, D A. Aliev, T. M. Ivanova. Azerb. neft. khoz 43 no. 1: 31-34 Ja '64.

Transfer of hot bitolylmethane. E. G. Mangalin. Khim. prom. no. 4:304-306 Ap '64.

BIRCH

(see also subdivision under Siberia, Western)

Physical and mechanical properties of burl birch wood. A. V. Koz'min. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 117-119 '63.

BIRD LICE see subdivision under Kirghizistan

BIRDS see subdivision under Kirov Province; Zeravshan Valley

BIRDS—BEHAVIOR

Birds and sounds. V. D. Il'ichev. Priroda 53 no. 7·80-82 '64.

BIRDS—EGGS AND NESTS

Dependence of the quantity of yolk in bird eggs on the nature of nesting and body size. D. N. Gofman Biul. MOIP. Otd. biol. 67 no. 6:34-41 N-D '62

BIRDS—FOOD

(see also subdivision under Volga Delta)

Feeding habits of some species of limicoline birds. E. N Panov. Zool. zhur. 43 no. 1·89-97 '64.

One method of studying the feeding habits of birds living in tree cavities. V. K. Rakhilin. Zool zhur 43 no 1: 149-150 '64.

BIRDS—PHYSIOLOGY

Mechanism of the photoperiodic regulation of the endogenous rhythm of sexual cycles in birds. V.R. Dol'nik. Zool. zhur. 43 no.5:720-734 '64.

BIRDS AS CARRIERS OF DISEASE see subdivision under Tomsk Province

BIRD'S-FOOT TREFOIL

Embryogenesis in bird's-foot trefoil (Lotus corniculatus L.). M. M. Chubirko. Ukr. bot. zhur. 21 no. 3:27-35 '64.

BIRDSONG

Birds and sounds. V. D. Il'ichev. Priroda 53 no. 7:80-82 '64

BIROBIDZHAN VTOROY (KHABAROVSK TERRITORY)—CIVIC IMPROVEMENT

About good people and their deeds. R Romanov, I Rachinskii Zhil -kom khoz 13 no 9 21 S '63

BIRTH INJURIES

Association of schizoid and epileptic symptoms in children. S.S. Mnukhin. Zhur. nevr i psikh. 63 no. 7.1047-1051 '63.

BISMUTH

Passage of electromagnetic waves through bismuth. G. S. Abilov, V. V. Veselago, A. M. Prokhorov. Dokl. AN SSSR 156 no. 2 298-299 My '64.

BISMUTH ISOTOPES—DECAY

Separation of lead and thallium from the products of bismuth photodisintegration Amar Nat, A K Lavrukhina. Radiokhimiia 5 no. 6:732-736 '63.

BISTA, KIRTI NIDHI, 1926-

Kirti Nidhi Bista Nov. vrem. 21 no. 25,14 Je '64

BITING MIDGES

Adaptation of biting midges to different conditions of air humidity R M. Gornostaeva Zool zhur 43 no. 1 145-147 '64.

BITS (DRILLING AND BORING)

(see also subdivision under Kotur-Tepe Oil Wells; Peschanyy Island, Turkmenistan)

Conditions determining the quality of the footage and the possibilities for improving it in turbine drilling IU R Ioanesian Neft. khoz. 41 no 1 15-19 Ja '63

Effect of bit design on the disintegration of the well bottom A A Ibragimov Azerb neft khoz 42 no 9 19-21 S '63

Efficient ratio between the dimensions of bit support elements A I Ped'ko Azerb neft khoz 42 no 9 42-43 S '63

BITUMEN

Comparative study of the bitumen formers of some plant species and the bitumens of an upland peat layer V M TSybul'kin, P I Bial'kevich Vestsi AN BSSR Ser. fiz.-tekh nauk no. 1 101-109 '64

Production and packageless unloading of high-melting bitumens. IA. P Rochev Neftepei i neftekhim no 4 24-27 '63.

BITUMEN—GEOLOGY

(see also subdivision under Azerbaijan)

Bituminous dolomites and how they are used in industry. P. P. Zabarinskii. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1·107-108 '64.

BIYA RIVER—WHITEFISHES

Biology of the whitefish Coregonus pravdinellus Dulkeit in Lake Teletskoye and the Biya River A. N Gundrizer Izv. Sib. otd. AN SSSR no. 3:111-119 '62.

BIYSK—MERCANTILE BUILDINGS

Build according to a uniform thought-out plan S. Martymov. Sov. torg. 37 no 5 34-35 My '64.

BLACK SEA—ALBEDO

Measuring the albedo of the sea from a helicopter. T. V. Kirillova, S. P. Malevskii-Malevich. Trudy GGO no. 150:120-124 '64.

BLACK SEA—ALGAE

Fishes of the Zernov's Phyllofora field in the northwestern part of the Black Sea. L. M. Polishchuk. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:137-139 '60.

BLACK SEA—CIRRIPEDIA

Thoracic cirripeds in the fouling of the Black Sea. G. B. Zevina. Trudy Inst. okean. 70:72-75 '63.

BLACK SEA—COPEPODA

Seasonal changes in the size of some pelagic Copepoda of the Black Sea A. V. Kovalev Zool. zhur. 43 no. 1·133-136 '64

BLACK SEA—FISHES

Fishes of the Zernov's Phyllofora field in the northwestern part of the Black Sea. L. M. Polishchuk. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:137-139 '60.

BLACK SEA—GOBIES

Gobies of the group Ponticola (Iljin) and some aspects of the problem of speciation. V. I. Pinchuk. Zool. zhur. 42 no. 12:1841-1848 '63.

BLACK SEA—MARINE FOULING

Fouling of plates in the Black Sea. E. M. Lebedev, IU. E. Permitin, N. I. Karaeva Trudy Inst. okean. 70:270-275 '63.

Thoracic cirripeds in the fouling of the Black Sea. G. B. Zevina. Trudy Inst. okean. 70:72-75 '63.

BLACK SEA—OCEANOGRAPHY

Horizontal circulation in the Black Sea. V. S. Bol'shakov, D. M. Tolmazin, M. Sh. Rozengurt. Izv AN SSSR Ser. geofiz no 6 924-929 Je '64.

BLACK SEA—[illegible]

[illegible] the [illegible] Fazeilin, T V [illegible] no. 130 [illegible]

BLACK SEA—[illegible] AND [illegible] OPERATIONS

[illegible] 10:155-173 O '63.

BLACK SEA—[illegible]

[illegible] paleontological [illegible] Trudy [illegible]

BLACK SEA REGION—CONVEYING MACHINERY

[illegible] I. Isterini [illegible] 31 [illegible] '61

BLACK SEA LOWLAND—GEOLOGY, STRATIGRAPHIC

[illegible] eastern part of the [illegible] O O [illegible] 23 [illegible] 19-24 '63

BLACK SEA REGION—ATMOSPHERIC TURBULENCE

[illegible] method for determining the [illegible] of the lowest layer of the atmosphere on the [illegible] of the Black Sea. E A Darman, E M. [illegible] Trudy [illegible] no. 36 23-33 '63.

BLACK SEA REGION—FISHING—EQUIPMENT AND SUPPLIES

[illegible] Azovskii nauchno-issledovatel'skii institut [illegible] [Collection of statistical [illegible] on fishing equipment of the Azov Sea Basin and adjacent areas of the Black Sea] Sbornik statisticheskikh [illegible] orudiiakh Azovskogo basseina i prilezhashchikh uchastkov Chernogo moria Moskva 1963 71 p (Its Trudy, no 7)

BLACK SEA REGION—GEOLOGY, STRATIGRAPHIC

[illegible] deposits in the northwestern [illegible] Geol [illegible]

BLACK SEA REGION—MOLLUSKS, FOSSIL

[illegible] of the Chokrak fauna. K G. [illegible] Trudy Inst paleobiol AN Gruz.SSR 7: [illegible]

BLACK SEA REGION—PALEONTOLOGY, STRATIGRAPHIC

Stratigraphic [illegible] of the Tarkhan horizon. G.A [illegible] Trudy Inst paleobiol AN Gruz.SSR 7: 141-150 '62

BLACKBODY RADIATION

[illegible] general emitter for pyrgeometer [illegible] Trudy GGO no. 152 160-[illegible]

BLACKFLIES see subdivision under Ob' Valley

BLADDER—CANCER

Causes of late diagnosis of tumors of the bladder M [illegible] Trudy Inst klin i eksp khir AN Kazakh SSR 8:107-108 '62

BLADDER—RADIOGRAPHY

X-ray diagnosis of tumors of the urinary bladder V. M. Perel'man Vop onk 8 no 10:29-34 '62.

BLADDER—TUMORS

X-ray diagnosis of tumors of the urinary bladder. V. M. Perel'man Vop onk 8 no 10:29-34 '62

BLAST FURNACES

[illegible] of the thermal conditions of a [illegible] steady and transient conditions [illegible] Izv vys ucheb zav., chern met 7 no 6 23-31 '64

[illegible] the blast conditions of a blast furnace [illegible] level S A Vorob'ev E G [illegible] Izv vys ucheb zav., chern met 7 no 6 191-194 '64

BLAST FURNACES—DESIGN AND CONSTRUCTION

Distribution of materials by their granulometric composition [illegible] of the small bell G I. Fedorenko Izv vys ucheb zav., chern met 7 no 6 17-22 '64.

Galemin, I M., and A. V. Gorokh. [Carbon lining of blast furnaces] Uglerodistaia futerovka domennykh pechei. Moskva, Izd-vo Metallurgiia, 1964. 99 p.

Mechanized hard facing of small bells with hard alloys. [illegible], L. M. Sachavskaia, G. F. Kriger. Sbor. NIITIAZHMASHa Uralmashzavoda no. 3.65-79 '64.

Processes of mineral formation in blast furnaces and the effect of these processes on the wear of refractory linings. L. I. Karakin Ogneupory 29 no 5 209-213 '64.

BLAST FURNACES—THERMODYNAMICS

Ways of studying the dynamic properties of a blast furnace hearth. A. N Cherniatin. Izv. AN SSSR Met. i gor. delo no. 3:33-39 My-Je '64.

BLASTING

Blasting boreholes in cohesive soils. V. I. Pugachev. Transp. stroi. 13 no 12:59-60 D '63.

Borehole diameters and the blasting of borehole charges during the mining of horizontal workings L S Parfenenko, IU I Vitkovskii, Shakht stroi. 8 no 4 18 Ap '64

Mel'nikov, N. V., and L. N. Marchenko. [Energy of the blast and construction of the charge] Energiia vzryva i konstruktsiia zariada. Moskva, Izd-vo "Nedra," 1964. 137 p.

Rodionov, V. N. [Increasing the efficiency of blasting in a solid medium] K voprosu o povyshenii effektivnosti vzryva v tverdoi srede. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962. 29 p. [MICROFILM]

Scientific conference on the use of progressive techniques and equipment for boring and blasting operations in the mining industry G. S. Cherepanov. Shakht. stroi. 8 no. 5:30-31 My '64.

Using a two-stage distribution of blastholes on stripping benches of the Krasnogorsk open pit coal mine I. P Sumin and others. Ugol' 39 no. 6:30-32 Je '64.

BLEACHING MATERIALS

Catalytic and bleaching properties of the bentonites of Kazakhstan. Sh Battalova, N. D Pak, D V. Sokol'skii Vest. AN Kazakh SSR 19 no. 5 5-16 My '63.

BLINDS

Some data on helioaerotherapy for eczema and neurodermatitis under E. A. Cherniavskii's jalousies. I. N. Ibragimov. Sbor. trud. Uz gos. nauch.-issl. inst. kur. i fizioter. 17:159-162 '62.

Use of helioaerotherapy under E. A Cherniavskii's jalousies in the compound treatment of lesions of the joints in Chartak. T V Tolkacheva. Sbor. trud. Uz. gos nauch -issl. inst. kur. i fizioter. 17:135-142 '62.

BLOOD—AGGLUTINATION

Hemagglutination inhibition reaction with serums of people and domestic animals from the Tomsk focus of tick-borne encephalitis. A. A. Selezneva, N. L. Galakhar', N. A. Budazhapova Trudy TomNIIVS 14: 22-23 '63.

BLOOD—ANALYSIS AND CHEMISTRY

Acid and alkaline phosphatase activity in the blood serum in cancer and suppurative processes of the lung. O. V. Chernykh. Vop. onk. 10 no. 2:24-28 '64.

Biochemical changes in the blood of rabbits in experimental hexachloran poisoning. I N. Gladenko and others. Farm i toks 26 no. 1 108-113 Ja-F '63

Blood picture in fur-bearing animals as related to age and sex. L. G. Utkin. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4:83-112 '63.

Change in the blood in echinococcosis. V. P Bodulin and others Uch. zap. Stavr gos med inst 8 172-176 '63

Changes in the sympathico-adrenal system in experimental renal hypertension N. A. Smazhnova, S A Gasparian Pat fiziol. i eksp terap. 7 no. 6 50-53 N-D '63

Characteristics of the biochemism of the blood in atherosclerosis. B. V. Il'inskii and others. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:35-44 '63.

Content of carotene and vitamin A in the blood serum of cows with alimentary osteodystrophies B. A Fediurko. Zap Vor sel'khoz inst. 17 no 2 183-187 '62.

Content of cholesterol, lecithin, fibrinogen and prothrombin in the blood in atherosclerosis. R. I. Gvarishvili, L. S. Murgulija. Trudy Inst klin. i eksper. kard. AN Gruz. SSR 8:45-50 '63.

Diagnostic significance of protein sedimentation reactions of the blood in rheumatic fever and chronic septic endocarditis. I. D. Mikhalev. Lab. delo no. 6.333-336 '64.

Effect of multiple antigenic irritations with an anaerobic trianatoxin on some hematological indices in horses. E. I. Kleitman, A A. Stetkevich, V. I. Knitel'shot. Trudy TomNIIVS 14:184-194 '63.

Micromethod for determining inorganic phosphorus and alkaline phosphatase in blood serum and inorganic phosphorus in the urine M. M. Alimova. Lab. delo no. 6 346-348 '64.

Proteins and their fractions in the blood serum of cows afflicted with alimentary osteodystrophy B A Fediurko. Zap Vor sel'khoz. inst 17 no. 2:163-170 '62.

Role of the sialic acid test in the diagnosis of rheumatism in mental patients. T. IA Balaba, A. R. Steimatskii. Zhur. nevr. i psikh. 64 no. 5:755-759 '64.

Seasonal changes in the blood of cows and their importance in the pathogenesis of alimentary osteodystrophies N S. Obzhorin and others Zap Vor. sel'khoz. inst. 17 no. 2 155-160 '62.

Serous mucoid and sialic acids in the blood in different laboratory animals. T. Kh. Aitbaev. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2:32-34 '64.

Some biochemical changes in the blood during artificial blood circulation E P. Stepanian, E. L Geselevich. Vest AMN SSSR 18 no. 8.41-46 '63.

Some indices of the general reaction of the organism of horses to the administration of polyvalent anatoxins. E. I. Kleitman and others. Trudy TomNIIVS 14:176-183 '63.

Studies on serum enzymes in children with progressive muscular dystrophy. L. P. Grinio. Zhur. nevr. i psikh. 63 no. 7:961-966 '63.

BLOOD—CIRCULATION

Bloodless determination of the rate of the blood flow in health and pathology. A. G. Dembo, A. M. Tiurin. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8 [illegible] '63.

Myocardial stress and functional reserve of [illegible] hyperfunction and insufficiency. V V. [illegible] Meerzon Vest AMN SSSR 18 no 8 20 [illegible] '63

BLOOD—CIRCULATION, ARTIFICIAL

Some biochemical changes in the blood during artificial blood circulation E P Stepanian, E. L. Geselevich Vest AMN SSSR 18 no 8.41-46 '63

Some current problems of perfusion in artificial blood circulation K. D Eristavi, P. A. [illegible] G D. Pagava Soob AN Gruz. SSR 31 no [illegible] '63.

BLOOD—CIRCULATION, DISORDERS OF

Causes of the disturbance of bronchial patency in patients with insufficient blood circulation in the light of pharmacological test data. G. I. Padalian Izv AN Arm. SSR. Biol. nauki 16 no. 2:77-82 F '63

Disorders in circulatory regulation in experimental atherosclerosis in dogs. A. L. Mikhnev and others Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8 [illegible] '63.

Reproduction of experimental chronic coronary insufficiency. M. L. Kobakhidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:401-406 '63.

Role of corn oil in experimental circulatory disorders G. V. Andreenko and others. Vop. pit. 22 no 6 [illegible] N-D '63.

Some biocatalysts of the blood in heart defects with different degrees of blood circulation insufficiency V. B. Lilanishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:391-394 '63.

Some hemodynamic indices in radiation sickness caused by disorders in cortical dynamics. G. S. Akhnazar'ev? Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8 [illegible] '63.

Use of the stain dilution curves in the study of blood circulation in heart defects. R. S. Vinitskaia. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:377 [illegible] '63

Venous system of the myocardium in the age-related aspect and in ischemia. N. A. Dzhavakhishvili, M. E Komakhidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:327-330 '63.

BLOOD—COAGULATION

Blood coagulation system and the use of anticoagulants in cerebrovascular disorders. P. M. Al'perin and others Zhur. nevr. i psikh. 64 no. 5.675-679 '64.

Effect of aeroions on the change in blood coagulation during the sensibilization and anaphylactic shock in rabbits. G. K. Trofimov. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:43-49 '64

Neurohumoral regulation of the biosynthesis of the coagulation and anticoagulation factors in the liver A. A. Markosian, Kh. D. Lomazova, L. M. Metal'nikova Pat. fiziol. i eksp. terap 7 no. 6.53-57 N-D '63

State of the blood coagulation system and the use of anticoagulants in patients with strangulated hernia. D. P Pavlovskii. Khirurgiia 40 no. 2:148-152 F '64.

BLOOD—OXYGEN CONTENT

Bloodless determination of the rate of the blood flow in health and pathology. A. G. Dembo, A. M. Tiurin. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:341-344 '63.

BLOOD, GASES IN

Gases in the blood in heart diseases. A. I. Bredis. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:631-643 '63.

BLOOD CELLS

Changes in the morphological composition of the peripheral blood in connection with the castration of stallions G. A. Poliakova. Zap. Vor. sel'khoz. inst. 17 no 2 217-270 '62.

BLOOD PRESSURE

Characteristics of blood pressure in workers of high-mountain logging camps in Georgia. V. V. Lugovoi. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:203-206 '63.

Combined effect of diethylstilbestrol and testosterone on coronary circulation in experimental coronary insufficiency. N. B. Gambashidze. Trudy Inst. klin. i eksper kard. AN Gruz. SSR 8:445-450 '63.

Comparative evaluation of the effect of Digitalis purpurea and Digitalis ferruginea on arterial pressure. T. D. Kobakhidze. Soob. AN Gruz. SSR 31 no. 1:179-186 Jl '63.

Importance of blood vessels of the muscular type in regulating blood pressure in health and in pathology. I. M. Zaalishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:349-352 '63.

Influence of novocaine [illegible] data [illegible] of a hypertonic [illegible] P. [illegible] '64.

[illegible] hypertension and [illegible] system. [illegible] Inst. klin. i eksper. kard. AN [illegible] '63.

BLOOD PRESSURE (Continued)

Some hemodynamic indices in atherosclerosis of the thoracic aorta. T.G.Vatsadze, L.G.Zhgenti. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;67-70 '63.

Work of the muscular trabecula in relation to stress and initial length. M.G.Udel'nov, A.P.Fedorova. Biul.eksp.biol.i med. 56 no.8;3-7 Ag '63.

BLOOD PROTEINS

Changes in the specific activity and blood protein level at different periods following the administration of the antigen O.A.Vasil'eva, N.F.Zel'tina Trudy TomNIIVS 14;266-269 '63.

Effect of some factors on the composition of serum proteins in nonimmunized rabbits. O.A Vasil'eva. Trudy TomNIIVS 14;262-265 '63.

Fractional composition of proteins and losses of antitoxin in the purification and concentration of antidiphtheria serum. L.G.Galushko, E.I.Ivanova, E.N. Pozdnova. Trudy Irk.NIIEM no.6 98-104 '61.

Study of the fractional composition of proteins of antitetanus serum in the immunization process. P.S. Dotsenko, L.G.Galushko. Trudy Irk.NIIEM no.6: 26-33 '61.

BLOOD SUGAR

Determination of blood sugar by the photoelectrocolorimeter with an anthrone reagent P M Babaskin. Lab. delo no.6·343-345 '64.

Role of blood glucose in the energetics of cold-induced tremor. V.A.Bernshtein. Izv.AN Kazakh.SSR.Ser. med.nauk 11 no.2;27-31 '64.

BLOOD VESSELS

Importance of blood vessels of the muscular type in regulating blood pressure in health and in pathology. I.M.Zaalishvili. Trudy Inst.klin.i eksper kard.AN Gruz.SSR 8;349-352 '63.

BLOOD VESSELS—DISEASES

Hemangiomatosis of the bones as a manifestation of disseminated vascular disease. V P.Kessel'. Vest. rent.i rad. 38 no.3·65-67 My-Je '63

BLOOD VESSELS—PERMEABILITY

Effect of hypothermia on vascular permeability and lymph circulation. L.P.Musatova, A.N.Dankova. Izv.AN Kazakh.SSR.Ser.med.nauk no.1;11-15 '64.

BLOOD VOLUME

Regulation of the minute volume of the blood according to research data on congenital heart defects. L.L. Shik. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;381-384 '63.

BLOWFLIES

Degeneration of the striated muscle fibers of the bluebottle fly Calliphora erytrocephala Mng. during the period of postembryonic development. A.P.Murashkina. Trudy SMI 15;122-130 '62.

BLYAVA REGION—CHALCOPYRITE

Blyava pyritic copper deposit in the Southern Urals. A.K.German, L.D.Rusakova. Mat.po geol.i pol.iskop. IUzh.Urala no.3;180-187 '62.

BOARDING SCHOOLS see subdivision under Moscow

BOARS

Castrating young boars by Baiburtsian's method. G.G. Evteev, V.S.Popov. Zap.Vor sel'khoz.inst. 17 no.2· 111-114 '62

Ligatureless method of castrating young boars. M.A. Khanin, V.F.Dzhivago. Vest.sel'khoz.nauki [Kazakh.] 7 no.2;132-133 F '64.

BOBRUYSK—HYDROLYSIS

Precipitation of suspended and colloidal substances from neutralizates by means of polyacrylamide. E.A. Bel'kova. Gidroliz.i lesokhim.prom. 17 no.4;20 '64

BODY, HUMAN

Zverev, I.D., O.V.Kazakova, and O.S.IAkovleva. [Human anatomy, physiology and hygiene; a textbook for 8th grade students of evening (staggered) general secondary schools] Anatomiia, fiziologiia i gigiena cheloveka; posobie dlia uchashchikhsia VIII klassa vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly. Izd.3. Pod red. S.I.Gal'perina. Moskva, Prosveshchenie, 1964. 167 p.

BODY COMPOSITION

Physiological [illegible] d substances i. [illegible] Soob.AN Gru[illegible]

BODY FLUIDS

Physiological interrelationship between fluid and solid substances in the human body. Sh.I.Gugeshashvili. Soob.AN Gruz.SSR 31 no.1;171-178 Jl '63.

BODY TEMPERATURE

Effect of [illegible] A Mindadze. [illegible] 3.

Observatio[illegible] parations [illegible] in rabbits. [illegible] TomNIIVS 14;161-168 '63.

BODY TEMPERATURE—REGULATION

Reflex reactions of thermoreceptors. T.M.Dmitrieva, L.M.Kurilova, N A.Sukhovskaia. Biul.eksp biol.i med. 56 no.8;14-17 Ag '63.

Thermoregulation disorders in organic diseases of the nervous system in children. R.B.Sheidina, L.P. Trubacheva. Zhur.nevr.i psikh. 63 no.7:1000-1003 '63.

BOGAEVSKII, KONSTANTIN FEDOROVICH, 1872-1943

Bashchenko, R.D. Konstantin Fedorovich Bogaevskii. Simferopol', Krymizdat, 1963. 53 p. (MH)

BOILERS

Adjustment of boilers operating on Nazarovo coal A.I Poliakov, S.V Sryvkov Energetik 12 no.4 2-4 Ap '64

Automation of boilers operating on gas obtained during the degasification of a mine. A.G.Volkov. Nauch. trudy KNIUI no.11;242-253 '62.

Clogging factor of a furnace operating on pulverized shale. I.P.Epik, A.A.Ots. Izv.vys.ucheb.zav.; energ. 5 no.8;50-55 Ag '62.

Consideration of the accumulating capability of metal in the equations of the dynamics of a drum boiler. G.A. Dzhigit. Izv.vys.ucheb.zav., energ. 5 no.8:56-62 Ag '62.

Contamination factor and use of the convective heating surfaces of boilers with led shot cleaning operating on high-sulfur mazut. N.D.Sergeeva and others. Teploenergetika 10 no.10.38-41 O '63.

Design of a gas burner for heating boilers L V Ershov, IA.S Zalmanzon Gaz prom 7 no 4 18-22 '62

Heat distribution in rods (pins) for fastening the lining of furnace heat screens IU L Marshak Teploenergetika 10 no.10·45-51 O '63

Heat test of steam boilers operating on gas fuel. Gaz. prom. 8 no.1;25-29 '63.

Sectional low-pressure water heating boilers manufactured in 1964. Prom.energ. 19 no.6;47-48 Je '64.

Self-teaching system for optimizing a combustion process. IU.M.Chekhovyi. Avtomatyka 9 no.3;41-53 '64.

Stolpner, E.B., and R.I. Esterkin. [Adjustment and operation of the gas supply systems of boilers] Naladka i ekspluatatsiia sistem gazosnabzheniia kotel'nykh ustanovok. Izd.2., perer. i dop. Leningrad, Izd-vo "Nedra," 1964. 359 p.

Study of salt extraction by the flushing and separating system of the PK-24 boiler. I I.Koshelev and others Elek sta. 35 no 4 10-15 Ap '64

Support collars and protection of the PVD system from overfilling. V.A.Brezhnev, V.F.Bazhin Energetik 12 no 4·4 Ap '64

Troianskii, E.A. [Boiler metals and the calculation of the strength of boiler components] Metally kotlostroeniia i raschet prochnosti detalei parovykh kotlov. Izd.2., perer. Moskva, Izd-vo "Energiia," 1964. 191 p.

Using a safety stop valve as a blocking valve in boiler units. A.F.Lavlinskii. Gaz.prom. 7 no 4:35-37 '62.

BOILERS—ABSTRACTS

[Boiler manufacture] Ref.zhur.: Kotlostroenie nos.6-7 Je-Jl '64.

BOILERS—AERODYNAMICS

Leningrad. TSentral'nyi nauchno-issledovatel'skii kotloturbinnyi institut. [Aerodynamical design of boiler systems; standardized method] Aerodinamicheskii raschet kotel'nykh ustanovok; normativnyi metod. S prilozheniem al'boma grafikov dlia raschetov. Pod red. S.I.Mochana. Izd.2. Moskva, Izd-vo "Energiia," 1964. 143 p.

———— [Aerodynamical design of boiler systems; graphs for calculations] Aerodinamicheskii raschet kotel'nykh ustanovok; grafiki dlia raschetov. 43 p.

BOILERS—CLEANING

Accelerated pre-start acid cleaning of a 150 Mw. block. N.I.Tatarenko, R.I.Pomirchii, V.I.Miakas. Teploenergetika 10 no 10;59-62 O '63.

BOILERS—HANDBOOKS, MANUALS, ETC.

Zakharashevich, I.A., D.V.Smagin, and R.N.Grinfel'd [Concise manual on automatic controllers of boiler systems] Avtomaticheskie reguliatory kotel'nykh ustanovok, kratkii spravochnik. Moskva, Izd-vo "Mashinostroenie," 1964. 175 p.

BOILERS—SAFETY APPLIANCES

Safety belt for water walls. I.A.Ol'khovskii and others Elek.sta. 35 no.4:78 Ap '64.

BOILERS—SAFETY REGULATIONS

New "Safety regulations for preparing and burning fuels in a pulverized state." Energetik 12 no.4:29-30 Ap '64.

BOILERS—TESTING

Testing of TP-170 boiler units with hammer mills and air-flow separators. E.M.Kazarnovskii, B.R.Nesterov. Elek.sta. 35 no.4:2-6 Ap '64.

BOILING POINTS

Sequence of the boiling points of stereoisomeric 1-methyl- and 1-ethyl-4-tert-butylcyclohexanes. A.L.Liberman and others Dokl.AN SSSR 156 no.2 375-378 My '64.

BOLIVIA—POLITICS AND GOVERNMENT

Bolivia: Two trends in the national liberation movement. I.Ershov. Mir ekon i mezhdunar.otn. no 7,54-63 '64.

BOLTS AND NUTS

Pulsation-impact power nut setter. A.A. Stoliarov. Mash.i neft.obor. no.11;7-9 '63.

BOMBING, AERIAL

Bomber is above the target. R.Batalov, G.Musatov. Av.i kosm. 46 no 5;34-37 My '64.

BONDARENKO, IGOR' IL'ICH, 1926-1964

In memory of Igor' Il'ich Bondarenko, obituary. Atom. energ. 16 no.6;508a Je '64.

BONDARSKII, BOGDAN STEPANOVICH, 1874-

Honored worker in science. M.K.Derunova. Sov.bibl no 3;5-11 '64.

To B.S.Bondarskii. Sov.bibl. no.3;3-4 '64.

BONDS, CHEMICAL see Chemical bonds

BONE GRAFTING

Preservation of bone homotransplants with hypertonic solutions at room temperatures. K.D.Timashkevich. Biul.eksp.biol.i med. 56 no.8;122-126 Ag '63.

BONES—ANATOMY

Microscopic examination of the bones from a medicolegal viewpoint IU.M.Gladyshev Sud - med ekspert. 7 no.2 23-26 Ap-Je '64

BONES—CANCER

Case of reticulosarcoma of the bones. P.I.Nimkovskaia. Vest.rent.i rad. 38 no.3.78-79 My-Je '63

BONES—DISEASES

Alimentary osteodystrophies of cattle in Voronezh Province N Z Obzhorin Zap Vor sel'khoz inst 17 no 2 123-137 '62

Alkaline reserve in the blood of cows with alimentary osteodystrophies A V Abros'kina Zap.Vor sel'khoz inst 17 no 2 177-182 '62.

Case of pathological reconstruction of the femoral neck. A.S.Imamaliev. Ortop., travm.i protez 24 no.12; 57-59 D '63.

Content of carotene and vitamin A in the blood serum of cows with alimentary osteodystrophies B A Fediurko. Zap Vor sel'khoz.inst. 17 no.2·183-187 '62

Content of the various forms of calcium compounds in the blood serum of cattle in alimentary osteodystrophies G.A Chaplygina, A L.Shichanina Zap Vor sel'khoz. inst 17 no.2·171-175 '62

Content of the various forms of phosphorus compounds in the blood serum of cattle in alimentary osteodystrophies. G.A.Chaplygina. Zap.Vor sel'khoz.inst. 17 no.2·189-193 '62

Electrical excitability of the muscles in cattle with alimentary osteodystrophies A V Abros'kina Zap Vor sel'khoz.inst. 17 no 2 207-212 '62

Pathogenesis and pathogenetic therapy of alimentary osteodystrophies. N.Z.Obzhorin Zap Vor.sel'khoz

BONES—RADIOGRAPHY (Continued)

[illegible] photographs of [illegible] 17 [illegible]

[illegible]

[illegible] IU M Vereshin, V I [illegible] inst 8 131-134 [illegible]

BONES—TRANSPLANTATION

Osteoblastoclastoma (giant-cell tumor) IA G Dubrov, [illegible], P D Fedotov Khirurgiia 40 no 2. [illegible] F '64

Bone preservation and bone homoplasty in clinical practice M V Volkov, M I. Panova, A S Imamaliev Khirurgiia 40 no 2 121-123 F '64

BONES—TUMORS

[illegible] characteristics of chondroblastoma of the bones F I Prokof'eva Vop onk [illegible]

[illegible] fractures as a manifestation of [illegible] disease V P Kessel' Vest [illegible] rad 38 no 3 65-67 My-Je '63

Osteoblastoclastoma (giant-cell tumor) IA.G Dubrov, [illegible], P D.Fedotov Khirurgiia 40 no.2: 119-121 F '64

[illegible] book "Skeletal tumors." V.A [illegible] Vest rent i rad 38 no 3 66-67 My-Je [illegible]

BONUS SYSTEM

Regulate the system of awarding bonuses to miners of [illegible] construction in the Donets Basin A P. [illegible] IA N TSirkovich Shakht stroi 7 no.11-12 [illegible]

BOOKS

Pernyk, M. H. [Story of the book] Rozpovid' pro knyzhku. Kyiv, Radians'ka shkola, 1964 138 p.

BOOKS—REVIEWS

Brief book reviews. Nov. mir 39 no.10,277-282 O '63.

BOOLEAN FUNCTIONS

[illegible] algorithms for computing Boolean functions A. A. Markov. Dokl AN SSSR 157 no 2 262-264 Jl '64

BOOTS AND SHOES

Technological development of the upper part of lasts for the design and calculation of shoe upper styles V. P. Apanasenko Leh prom. no 2:54-57 Ap-Je '64.

BOOTS AND SHOES—STANDARDS

[Leather footwear, basic and auxiliary materials and trimmings] Obuv' kozhanaia, osnovnye i vspomogatel'nye materialy i furnitura. Izd ofitsial'noe Moskva, Izd-vo standartov, 1964 589 p. diagrs. (insert. SSSR. Gosudarstvennye standarty)

BOOTS AND SHOES, RUBBER

Improvement of the mechanized process of overshoe varnishing M. G. Al'ter Kauch i rez. 23 no 4:46-48 Ap '64

Synthesis of copper benzoates and their application in the manufacture of rubber footwear. R. L. Roitman. Leh. prom no 2:59-60 Ap-Je '64.

BORAX

Kinetics of dissolution of borax in aqueous dioxane solutions. R. L. Müller, E. S. Shreiner. Zhur. fiz. khim. 37 no.4:875-879 Ap '63.

BORAZINE

Synthesis of fluoro alkyl derivatives of borazole V F Gridina A L Klebanskii V A Bartashev Zhur ob. khim 34 no 5 1401-1403 My '64

BORBON Y BATTENBERG, JUAN DE, 1913-

Juan of Borbon. G. Ryzhikov Mir. ekon. i mezhdunar. otn no 7 120-121 '64

BORING

Borehole diameters and the blasting of borehole charges during the mining of horizontal workings. L S Parfenenko IU I Vitkovskii Shakht stroi 8 no 4 19 Ap '64

Chumakov, I. D., and IU. T. Smirnov. [Sampling ore bodies by full-hole drilling in complex ore deposits of Central Asia] Oprobovanie rudnykh tel pri beskernovom burenii skvazhin na polimetallicheskikh mestorozhdeniiakh Srednei Azii. Moskva, Gosgeoltekhizdat, 1963 33 p.

Dubrovskii, V. V., ed. [Handbook on drilling and the equipment of wells for water supply] Spravochnik po bureniiu i oborudovaniiu skvazhin na vodu. [By] V. V. Dubrovskii i dr. Moskva, Nedra, 1964. 515 p.

Flush muds used in boring exploratory holes V. A. IAroshenko, A N Bor'kin Sbor nauch trud KGRI no 21 61-65 '63

[Improving boring equipment and technology] Sovershenstvovanie tekhniki i tekhnologii bureniia. [By] O. P. Moldavskii i dr. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 80 p.

Interrelation between the wear of the boring bit, consumption of shot and mechanical speed during shot boring V P Derusov, V A IAroshenko Sbor nauch trud. KGRI no 21 66-82 '63

Prospects for using air under high pressure in mining enterprises G T IAmkovoi Sbor nauch trud KGRI no 21 183-186 '63

Scientific conference on the use of progressive techniques and equipment for boring and blasting operations in the mining industry G. S. Cherepanov Shakht. stroi. 8 no. 5:30-31 My '64.

Theoretic basis for calculating efficient depths of overdrilling of boreholes with the use of computing machines. G. K. Kotov. Izv. vys. ucheb. zav., gor zhur. 7 no.4: 100-105 '64.

Tikhonov, V. K., and V. A. Makarov. [Jet piercing for working in hard rock] Ognevoe burenie pri razrabotke krepkikh porod Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia. Stroitel'noe proizvodstvo)

BORING—EQUIPMENT AND SUPPLIES

Using an electric arc for the breaking of rock. I. M. Efremov Trudy Inst. gor dela AN Kazakh. SSR 13: 62-68 '64.

BORING—TESTING

Methods of evaluating various means of drilling boreholes S. G Kaloshin. Trudy Inst. gor dela AN Kazakh SSR 13:42-54 '64

Studying rotary-percussion drilling. V. V. Efimov. Nauch. trudy KNIUI no. 11:31-34 '62.

BORING MACHINERY

(see also subdivision under Dzhezkazgan region, Kazakhstan; Volgograd)

Basic engineering requirements for boring machinery for driving upraises in medium-hard and hard rocks V P Kudriashov Sbor nauch trud KGRI no 21,196-197 '63

Classification of boring rigs. V Sh. Sharipov, A. M. Tkachenko. Trudy Inst gor dela AN Kazakh. SSR 13: 33-41 '64

D-5-25 mechanical boring machine V. S. Myshegrebov. Stroi. i dor mash. 8 no 12,10-11 D '63

Effect of the degree of wear of a boring bit on its efficiency during boring. A. K. Sidorenko, M. S. Savel'ev. Izv. vys. ucheb. zav.; gor. zhur. 7 no.4;106-109 '64.

Variant method of mining thin seams in sections of the Dzhezkazgan Mine with the use of self-propelled equipment. A. IA. Kulakov, D. O Eshpanov Trudy Inst. gor. dela AN Kazakh SSR 13;152-155 '64.

BORING MACHINERY—TESTING

(see also subdivision under Krivoy Rog Basin)

Dependence of the boring speed and durability of the bore bit on the nature of the rotation of the boring machine. A K Sidorenko. Sbor nauch trud KGRI no. 21:197-199 '63

Equipment and methods for studying the operating parameters of boring machinery. A Ch. Musin and others. Trudy Inst. gor. dela AN Kazakh. SSR 13;15-27 '64.

Impact energy transmission during percussion drilling. S. G. Kaloshin, V. A. TSitokhtsev. Trudy Inst. gor dela AN Kazakh. SSR 13;55-61 '64.

Resisting moment of rotation of a boring bit. IU. G. Kuntukov. Trudy Inst. gor. dela AN Kazakh SSR 13: 69-72 '64.

BORISENKO, ANTON NIKOLAEVICH, 1889-1937

Corps Commander A. N. Borisenko. P. Kalinovskii, I. Shevchenko. Voen.-ist. zhur. 6 no. 6:124-125 Je '64.

BORNHOLM ISLAND—WORLD WAR, 1939-1945

Liberation of Bornholm. G. Khromushina. Voen.-ist. zhur. 6 no.6:57-59 Je '64.

BORON

Distribution of boron during the crystallization of solid solutions of germanium in silicon. V. S. Zemskov, V. V. Rozhdestvenskaia Izv. AN SSSR, Met. i gor. delo no. 3: 154-158 My-Je '64.

Elastic scattering of α-particles on boron. S. V. Starodubtsev, B. I. Khrushchev. Atom. energ. 17 no. 1:59-60 Jl '64.

BORON CHLORIDES—ABSORPTION SPECTRA

Absorption spectrum originated by photolysis of boron chloride with ozone. A. N. Samoilova and others. Zhur. fiz. khim. 37 no.4:909 Ap '63.

BORON ISOTOPES

Production of the isotope B^{10} by the exchange distillation of the complex $(CH_3)_2O \cdot BF_3$. V. A. Vlasenko and others. Soob. AN Gruz. SSR 33 no. 1:79-84 Ja '64.

BORON PHOSPHIDES

Determination of free boron and phosphorus in boron phosphide I. IU. Andreeva, G V. Efremov Vest. LGU 19 no. 10 135-137 '64.

Determination of the chemical composition of boron phosphide I. IU. Andreeva, G. V. Efremov. Vest. LGU 19 no 10:132-134 '64

Some chemical properties of boron phosphide I. IU. Andreeva, G V. Efremov. Vest. LGU 19 no [illegible] 132 '64.

BOROVSKOYE REGION (KUSTANAY PROVINCE)—FOREST REPRODUCTION

Characteristics of the regeneration of pine in forest grooves in the Borovskoye Forest Working Circle, Kustanay Province V V Brusentsov Vest [illegible] nauki [Kazakh.] 7 no. 6:96-100 Je '64

BOROVSKOYE REGION (KUSTANAY PROVINCE)—PINE

Characteristics of the regeneration of pine in forest grooves in the Borovskoye Forest Working Circle, Kustanay Province V V Brusentsov Vest [illegible] nauki [Kazakh.] 7 no. 6 96-100 Je '64.

BORZHOMI REGION—NEMATODA

A new species of nematodes of the bark beetle Pityogenes quadridens Hart. G. A. Kakuliia. Soob. AN Gruz. SSR 31 no. 2:433-436 Ag '63.

BOSCHNIAKIA, FOSSIL see subdivision under Aldan Valley

BOSTANDYK DISTRICT—HEALTH RESORTS, WATERING-PLACES, ETC.

Prospects for the establishment of health resorts in Bostandyk District. A. P. Drynkin. Sbor. trud [illegible] nauch.-issl. inst. kur. i fizioter. 17:16-22 '6[illegible]

BOTANICAL GARDENS see subdivision under [illegible]

BOTANICAL RESEARCH see subdivision under [illegible]

BOTANICAL SOCIETIES see subdivision under Ukraine; White Russia

BOTANY see subdivision under Kungur (Perm Province); Pskov Province

BOTANY—ANATOMY

Anatomical study of the fruit and roots of periwinkle S. S. Liashenko. Farmatsev. zhur. 18 no [illegible]

BOTANY—ATLASES

"Atlas of descriptive morphology of higher plants; stem and roots" by Al. A. Fedorov, M. E. Kirpichnikov, Z. T. Artiushenko. Reviewed by IA. I. Mulkidzhanian Izv. AN Arm. SSR, Biol. nauki 10 no. 2:107 F '63

BOTANY—CLASSIFICATION

Evolution of pollen in the orders Cunoniales and Saxifragales as related to some problems of their taxonomy and phylogeny. V. Sh. Agababian Izv. AN Arm. SSR, Biol. nauki 17 no. 1:59-72 Ja '64.

Possibilities for using the characters of the spermoderm structure for the taxonomy of Nymphaeaceae. A. P. Melikian, Izv. AN Arm. SSR, Biol. nauki 17 no 1 73-79 Ja '64.

Relation between natural and phylogenetic systems of angiosperms from the historical point of view. D. A. Starostin, Biul. MOIP. Otd. biol. 69 no. 3:134-14[illegible] My-Je '64.

BOTANY—ECOLOGY see subdivision under Amga Valley; Tajikistan

BOTANY—EMBRYOLOGY

Embryogenesis in bird's-foot trefoil (Lotus corniculatus L.). M. M. Chubirko. Ukr. bot. zhur. 21 no 3:27-3[illegible] '64.

Embryological processes in the apple tree (Malus domestica Borkh.) IE. M. Shmarhon'. Ukr. bot. zhur 21 no. 3:12-19 '64.

Embryology of the sunflower pollinated by various methods. V. F. Hyrshchenko, S. Z. Moskal'chuk. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:159-162 '60.

Localization of nucleic acids in relation to the rate of development of the embryo sac in cotton. N. A. Vlasova, L. E. Serebriakova. Uzb. biol. zhur. 7 no. 1:27-33 [illegible]

Megasporogenesis and the formation of the embryo sac in pepper. E. M. Mutafian. Izv. AN Arm. SSR. Biol nauki 17 no. 1:95-99 Ja '64.

Poddubnaia-Arnol'di, V. A. [General embryology of angiosperms] Obshchaia embriologiia pokrytosemennykh rastenii. Moskva, Izd-vo "Nauka," 1964. 481 p.

Some characteristics of the embryogenesis of the Khmelevka variety of makhorka (nicotiana rustica L.). V. F Bannikova, O. K. Ostapenko. Ukr. bot. zhur. 21 no [illegible] 20-26 '64.

Structure of embryo and seedling of the wild and cultivated soybean of the Far East. G. I. Voroshilova. Vest. LGU 19 no. 9:46-51 '64.

BOTANY—PHILOSOPHY

Direktorenko, M. A. [Materialistic content of M. V. Rytov's agrobiological views] Materialisticheskoe soderzhanie agrobiologicheskikh vzgliadov M. V. Rytova. Minsk, Izd-vo "Urozhai," 1964. 209 p.

BOTANY—PHYSIOLOGY see Plant physiology

BOTANY, MEDICAL

(see also subdivision under Armenia; Soviet Far East)

Preparation of coriander water from ethereal oil [with summary in English]. A. O. Liukshenkov, T. I. Balezkov, G. A. Loginiseva. Apt. delo 11 no. 6:22-23 N-D '62.

Progress in the study of medicinal plants during the last five years. A. F. Gammerman Apt. delo 11 no. 6.9-13 N-D '62.

Protect medicinal plants. A. P. Poshkurlat Apt. delo 11 no. 6:23-25 N-D '62.

Vsesoiuznaia konferentsiia farmatsevtov, 2d, Leningrad, 1959. [Materials of the Second All-Union Conference of Pharmacists] Materialy. Moskva, Medgiz, 1961. 394 p.

[DNLM MICROFILM]

BOTRYTIS

Mechanisms of the action of the toxin Botrytis cinerea S. A. Rubin, M. E. Ladygina Agrobiologiia no. 3:443-455 My-Je '64.

BOUNDARY LAYER

Approximate evaluation of the effect of a turbulent boundary layer and specific heat capacity ratio on base pressure beyond a flat recess. E. N. Bondarev. Izv. AN SSSR. Mekh. i mashinostr. no. 3:166-167 My-Je '64.

Boundary layer near the critical point. T. S. Varzhanskaia, E. I Obroskova, E N Starova. Sbor. rab VTS MGU 2:135-145 '63.

Boundary layer on a weakly undular wall V M. Paskonov, I P Soprunenko Sbor. rab. VTS MGU 2 117-122 '63.

Calculation of a laminar boundary layer on solids of revolution. L. A. Kulonen. Vest. LGU 19 no. 7:91-106 '64.

Certain shortcomings of the classical theory of the boundary layer L. A Chudov Sbor rab. VTS MGU 2 98-109 '63

Higher approximations in boundary layer theory. G M. Bulakh. Prikl. mat. i mekh. 28 no. 3:548-553 My-Je '64

Nonstationary melting of a viscous material near the critical point. V M. Paskonov, IU. V Polezhnev. Sbor rab. VTS MGU 2 123-134 '63.

Review of papers on the boundary layer completed at the Computing Center of Moscow State University. L A Chudov Sbor. rab. VTS MGU 2 87-97 '63

BOUNDARY LAYER—BOUNDARY VALUE PROBLEMS

Numerical solution of a boundary value problem for a system of nonlinear integrodifferential equations describing a hypersonic boundary layer. B. M. Budak, T. F. Bulatskaia, F. P. Vasil'ev. Sbor rab VTS MGU 2 140-161 '63.

Standard program for solving boundary layer problems. V. M Paskonov Sbor rab VTS MGU 2:110-116 '63.

BOUNDARY VALUE PROBLEMS

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziki i matematiki. [Studies on boundary value problems in the theories of functions and differential equations] Issledovaniia po kraevym zadacham teorii funktsii i differentsial'nykh uravnenii. Dushanbe, Akad. nauk Tadzhikskoi SSR, 1964. 137 p.

Asymptotic behavior of eigenvalues for non-self-adjoint boundary value problems. IU. N. Dnestrovskii, D. P. Kostomarov. Zhur. vych. mat. i mat. fiz. 4 no. 2·267-277 Mr-Ap '64.

Cauchy problem for a class of partial differential equations of higher order. I. F. Kushnirchuk. Dop. AN URSR no. 6:720-725 '63.

The Cauchy problem for degenerate quasi-linear parabolic equations. IU. N. Blagoveshchenskii. Teor. veroiat. i ee prim. 9 no. 2:378-382 '64.

Certain boundary value problems for a class of elliptic systems. T. V Burchuladze Soob. AN Gruz. SSR 31 no. 3 513-520 S '63.

Closure of computation processes and the drift method. I Babushka, M. Prager, E. Vitasek. Zhur. vych. mat. i mat. fiz. 4 no. 2:351-353 Mr-Ap '64.

Deficiency index of the second and third boundary value problems in a region having a piecewise smooth boundary. G. M. Verzhbinskii. Vest. LGU no. 7:161-162 '64.

Difference systems with splitting operators for general second-order parabolic equations with variable coefficients. E. G. D'iakonov. Zhur. vych. mat. i mat. fiz. 4 no. 2:276-291 Mr-Ap '64.

Elastic equilibrium of a circular ring under the action of two concentrated forces. N. I. Korolev. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:23-34 '64.

Estimation of errors of the integral relations method in solving certain problems for hyperbolic equations. V. V Bobkov. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:18-22 '64.

General boundary value problem of linear conjugation on a circle. I. Kh. Sabitov. Sib. mat. zhur. 5 no. 1:124-128 Ja-F '64.

Method for solution of a boundary value problem for a second-order linear differential equation. I. F. Gredzhuk. Ukr. mat. zhur. 16 no. 3:375-382 '64.

Method for solving the diffraction problem (two-dimensional case). V. V. Kravtsov. Zhur. vych. mat. i mat. fiz. 4 no. 2:354-358 Mr-Ap '64.

Necessary and sufficient conditions for the proper stipulation of boundary value problems for systems of ordinary difference equations. V. S. Riaben'kii. Zhur. vych. mat. i mat. fiz. 4 no. 2:242-255 Mr-Ap '64.

Nonlinear problem for a wave equation in one-dimensional space. IU. P. Samarin Prikl. mat. i mekh 28 no. 3:542-543 My-Je '64.

"Numerical solution of two-dimensional and three-dimensional problems in mathematical physics and functions of independent variables" by G N. Polozhii. Reviewed by B. M. Budak. Zhur vych mat i mat. fiz. 4 no. 2:390 Mr-Ap '64.

Regular solutions to Monge - Ampère equations. I. IA. Bakel'man. Dokl. AN SSSR 157 no. 2 247-249 Jl '64

Riemann - Hilbert problem for the exterior of cuts along a straight line or along a circle. G. P. Cherepanov. Dokl. AN SSSR 156 no. 2 275-277 My '64.

Riemann - Privalov's boundary value problem for a circle. A. E. Drachinskii. Soob AN Gruz. SSR 34 no. 1.31-35 Ap '64

Riemann's homogeneous boundary value problem with an infinite index N V. Hovorov. Vestsi AN BSSR Ser fiz.-tekh nav. no 1·12-17 '64

Round-off errors due to difference methods used in solving problems with initial conditions for elliptic equations and systems. L. A Chudov, V. P. Kudriavtsev Sbor rab VTS MGU 2:20-47 '63

Selecting a family of trajectories in solving an inverse problem in electron optics. E. P. Hrankin. Dop. AN URSR no. 6:695-697 '63.

Solution of a boundary value problem for an elliptical equation with discontinuous coefficients in the rectangular field with logarithmic features. L. V Starshinova Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:53-67 '62.

Solution of Dirichlet's problem for certain nonlinear elliptic equations. D. P. Zergaria. Soob. AN Gruz. SSR 31 no. 1:9-14 Jl '63.

Solvability in $\overset{\circ}{W}_2^{(2)}$ of the Dirichlet problem for a region having a smooth irregular boundary. V. G. Maz'ia. Vest. LGU 19 no. 7.163-165 '64.

Some boundary value problems for Laplace's equation with discontinuous boundary conditions. N. E. Tovmasian. Sib. mat. zhur. 5 no. 1:174-185 Ja-F '64

Some problems involving waves in an ideal liquid with elastic boundaries. A. K. Pereversev. PMTF no. 6:87-93 N-D '63.

Some properties of classical polynomials and their application to contact problems. G. IA. Popov. Prikl. mat. i mekh 28 no. 3.442-451 My-Je '64.

Three-dimensional fundamental mixed problem in the theory of steady-state elastic vibrations S. Kh Shatashvili Dokl AN Azerb SSR 20 no 4 7-11 '64

Three-dimensional problem of waves on the surface of a viscous liquid of infinite depth. A. K. Nikitin, S. A. Podrezov. Prikl. mat i mekh. 28 no. 3.452-463 My-Je '64.

Three problems involving vibration of a viscous fluid. N. IA. Bagaeva, N. N. Moiseev. Zhur. vych. mat. i mat. fiz. 4 no. 2:317-326 Mr-Ap '64.

Use of the drift method in solving boundary value problems for difference systems. I. D. Sofronov. Zhur. vych. mat. i mat. fiz. 4 no. 2:256-266 Mr-Ap '64.

BOXING

Boxing. Sov. voin 44 no. 24:33 D '62.

Soiuz sportivnykh obshchestv i organizatsii SSSR. TSentral'nyi sovet. [Boxing; rules of competition] Boks; pravila sorevnovanii. Moskva, Izd-vo "Fizkul'tura i sport," 1964. 100 p.

BOZH'YA, MOUNT—ORCHIDS

Occurrence of the early coralroot (Corallorhiza trifida Chatel.) on Mount Bozh'ya (Lvov Province) M. P. Boiko. Ukr. bot. zhur. 21 no. 3:91 '64.

BRACHIOPODA, FOSSIL

(see also subdivision under Pripet Valley)

Migration of Cretaceous brachiopods. M. V. Popkhadze. Trudy Inst. paleobiol. AN Gruz. SSR 8:67-72 '63.

New data on Jurassic brachiopods. L. I. Babanova. Paleont. zhur. no. 1:63-70 '64.

BRAIN

Asymmetry in electrical reactions of the frog brain in response to differently located light sources V. L. Bianki Zhur vys. nerv. deiat 13 no 6:1087-1096 N-D '63.

Change in the amount of sulfhydryl groups and reduced glutathione in the brain of white mice following inhibition of nervous activity induced by barbamil, urethane and medinal V. F. Dunaeva, E F. Ivanenko. Farm. i toks 26 no. 1:22-28 Ja-F '63

Changes in higher nervous activity and some autonomic reactions in a long stay in conditions of relative adynamia and isolation. N A. Agadzhanian and others. Zhur. vys. nerv. deiat. 13 no. 6.953-962 N-D '63.

Content of γ-aminobutyric acid in brain tissues in the state of convulsions. S. S. Musaelian. Nerv. sist. no. 3:17-20 '62.

The effect of semicarbazide poisoning on the content of γ-aminobutyric acid in brain tissues N. F. Shatunova, I. A. Sytinskii. Nerv. sist. no 3:12-16 '62.

Effect of some substances on the biosynthesis of cholesterol and the total lipid fraction in the brain of growing rats. M. I. Prokhorova, G. P. Sokolova. Nerv. sist. no. 3:5-11 '62.

Experimental reproduction of cardiac rhythm disorders during action on the central nervous system I K. Shkhvatsbaia Pat fiziol i eksp. terap 7 no 6 45-49 N-D '63

Hexokinase activity in brain, myocardial and striated muscle homogenates during anesthesia. N. A. Sveshnikova. Biul eksp. biol. i med. 56 no. 8:57-59 Ag '63

Method of impregnating microglia in celloidin sections N. G. Fain. Arkh. pat 25 no 10 52-54 '63.

On the 100th anniversary of the publication of I. M. Sechenov's work "Brain reflexes." S. A. Sarkisov. Vest. AMN SSSR 19 no. 1:3-9 '64.

Review of Mary A B Brazier's book "A history of the electrical activity of the brain" [in English]. IU A. Shilinis, R S Rabinovich Zhur vys nerv deiat 13 no 6 1116-1118 N-D '63

Role of the higher sections of the central nervous system in inhibiting the local allergic reaction; the Arthus-Sakharov phenomenon. V. I. Luk'ianenko, B A Flerov, S M. Kuznetsov. Vest. Mosk un. Ser. 6: Biol., pochv 17 no. 2:24-28 Mr-Ap '62

Sarkisov, S. A. [Essays on the structure and function of the brain] Ocherki po strukture i funktsii mozga. Moskva, Meditsina, 1964. 298 p.

Urea synthesis by brain sections. Z. S. Gershenovich, A. A. Krichevskaia, V. S. Shugalei. Dokl. AN SSSR 157 no. 2:464-166 Jl '64.

Viscerosomatic signalization in reticular structures of the midbrain of a cat. V. IU. Ermolaeva, V. N. Chernigovskii. Dokl. AN SSSR 157 no. 2:489-492 Jl '64.

BRAIN—BLOOD SUPPLY

Dynamics of disorders of the cerebral circulation and their compensation in a temporary occlusion of the aorta. G. I. Mchedlishvili, V. A. Akhobadze, L. G. Ormotsadze. Trudy Inst. klin. i eksper kard. AN Gruz. SSR 8:543-549 '63.

Effect of training on resistance to cerebral anemia in rats subjected to hypothermia. N. V. Korostovtseva. Biul. eksp. biol. i med. 56 no. 8:44-45 Ag '63.

Experimental investigations of cerebral circulation in a temporary occlusion of the cranial (superior) vena cava. G. I. Mchedlishvili, V. A. Akhobadze, L. G Ormotsadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:537-541 '63.

BRAIN—CANCER

Malignant glioma in rabbits induced by methylcholanthrene. L. IA. IAblonovskaia, A. P. Avtsyn Arkh. pat. 25 no. 10:28-35 '63.

BRAIN—DISEASES

Materials on the pathomorphology of brain elaphostrongylusis in marals. B P. Vsevolodov, E I Priadko Paraz. sel'khoz. zhiv Kazakh 3.71-78 '64.

Psychopathology of cerebral cysticercosis Zhur. nevr. i psikh. 64 no. 5 760-767 '64

BRAIN—HEMORRHAGE

Once again about intracranial hemorrhages. V. I. Prozorovskii, B. D. Levchenkov. Sud.-med. ekspert. 7 no 2·50-54 Ap-Je '64

BRAIN—HYDATIDS

Echinococcosis of the central nervous system. N. N. Golysh Uch. zap Stavr. gos. med. inst 8 119-126 '63

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

Anatomical connections of cortical representation zones of the splanchnic nerve in cats with the premotor, motor and limbic systems. V. IU. Ermolaeva. Biul. eksp. biol. i med. 56 no. 8:107-111 Ag '63.

Localization of function in the rat cerebral cortex. Report No. 3: Visual and auditory conditioned response in rats following preliminary removal of the temporal and occipital lobes of the brain at an early age. Dang Tkhu. Biul. eksp. biol. i med. 56 no. 8:17-21 Ag '63.

Some data on the role of the higher segments of the brain in the reaction of respiration to aminazine introduction. E. A. Korneva, M. I. IAkovleva. Biul. eksp. biol. i med. 56 no. 8:77-80 Ag '63.

BRAIN—TUMORS

Clinicomorphological comparisons in medulloblastomas of the posterior cranial fossa in children. M. N. Potanina, V. V. Khokhlova. Zhur. nevr. i psikh. 63 no. 7:986-990 '63.

Korst, L. O. [Tumors of the parietal lobes of the brain; clinical aspects and diagnosis] Opukholi temennykh dolei mozga; klinika i diagnostika. Moskva, Meditsina, 1964. 235 p.

(DNLM)

Role of otoneurological tests in the diagnosis of cerebrovascular disorders with clinical symptoms of tumor syndromes A. M. Pulatov. Zhur. nevr. i psikh. 64 no. 5 647-653 '64.

[illegible]

[illegible] different age periods [illegible] AN Gruz [illegible]

[illegible] lost as due to [illegible] system I K Shkh- [illegible] AN Gruz [illegible]

[illegible]

[illegible] of acute [illegible] cerebral trauma by intracarot- [illegible] I S Kal'ter Khirurgiia [illegible] 34 43 [illegible] '64

[illegible] see subdivision under Transcaucasia

[illegible]

[illegible] F [illegible] B Far- [illegible]

BRAZIL—GAS

Producing [illegible] gas from Brazilian shale. L.S. Zaglodin, A.N. [illegible] Gaz. prom. 8 no.1:18-21 '63.

BRAZIL—OIL SHALES

Producing [illegible] gas from a Brazilian shale. L. S. Zaglodin, A. N. [illegible] Gaz. prom 8 no.1 18-21 '63.

BREAD

[illegible] of [illegible] bread type loaves E I [illegible] I I [illegible] Khleb i kond. prom. [illegible] 24 27 Je '63

[illegible], L.I. [Practical laboratory work on the [illegible] of bread baking] Laboratornyi praktikum po [illegible] khlebopecheniia Pod red L. IA Auermana. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 141 p

BREAST—CANCER

[illegible] breast cancer patients D Efre- [illegible] 2 My '64

Squamous metaplasia of the breast epithelium due to irradiation with Au198 O M. Kosalevich Vop. onk 8 no 5 18-23 '62

BREAST—HYDATIDS

[illegible] Sh U Aliev, V G Inozem- [illegible] 8 159-161 '63

BREAST—SURGERY

[illegible] Sh U Aliev, V G Inozem- [illegible] 8 159-161 '63

BREEDING

Genetic approach to the problems of animal breeding. M. V. Vernshilov. Vest. LGU 19 no. 9.102-111 '64.

BREST, BATTLE OF, 1941

Bezr'anok, S T [About my comrades, notes of a participant in the defense of the Brest fortress] Slovo o tovarishchakh, zapiski uchastnika oborony Brestskoi kreposti. Moskva, Voen izd-vo, 1961. 294 p. (NcD)

BRICK INDUSTRY see subdivision under Kirovograd Province

BRICK INDUSTRY—LABOR PRODUCTIVITY see subdivision under Sumy Province

BRICKMAKING MACHINERY—DESIGN AND CONSTRUCTION

Moscow. Gosudarstvennyi institut po proektirovaniiu predpriiatii mestnoi promyshlennosti. [Album of design details for the mechanization of time-consuming and heavy work in a seasonal brick factory of low capacity] Al'bom skhem proektnykh reshenii po mekhanizatsii trudoemkikh i tiazhelykh rabot na sezonnykh kirpichnykh zavodakh maloi moshchnosti (T-250). Moskva, 1963. 1 v. diagrs.

BRIDGE CIRCUITS—MODELS

Modeling of single-phase bridge rectifiers with ideal valves using analog computers S D Khlebnikov, A.S. Zasypkin Izv vys ucheb zav., electromekh 7 no. 4 444-453 '64

BRIDGES

(see also subdivision under Gorki)

Madorskii, B. M. [Bridges and overpasses in cities; architectural and design characteristics] Mosty i puteprovody v gorodakh; arkhitekturno-planirovochnye osobennosti. Moskva, Stroiizdat, 1964. 287 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

Pt. 3, Sec. D, ch. 2. [Bridges and pipes; regulations for the work organization, execution of work, and acceptance of completed work] Mosty i truby; pravila organizatsii i proizvodstva rabot, priemka v ekspluatatsiiu (SNiP III-D. 2-62) 1964. 86 p.

BRIDGES—FOUNDATIONS AND PIERS

(see also subdivision under Archangel)

Kirillov, V.S. [Calculating buried abutments] Raschet obsypnykh ustoev. [Moskva] Vysshaia shkola, 1964. 53 p.

BRIDGES, CONCRETE

Brief news. Transp. stroi 13 no 12.71-73 D '63.

High-strength keramzit concrete and its use in bridges and hydraulic structures I G. Ivanov-Diatlov. Bet i zhel -bet 10 no 4;153-158 Ap '64.

IAkobson, K. K., and V. N. Ustinov. [Calculating prestressed concrete bridge elements, handbook on planning] Raschet elementov mostov iz predvaritel'no napriazhennogo zhelezobetona; posobie dlia proektirovaniia Novosibirsk, Novosibirskii in-t inzhenerov zhel-dor transp., 1961. 145 p.
[MICROFILM]

Iolin, M. V., and others. [Building an automobile bridge using precast reinforced concrete structural elements] Stroitel'stvo avtodorozhnogo mosta iz sbornykh zhelezobetonnykh konstruktsii. Moskva, Orgtransstroi, 1963. 24 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

Mel'nikov, IU. L., L. V. Zakharov, and N. M. Kolokolov. [Joints of prefabricated reinforced concrete bridge span structures] Styki sbornykh zhelezobetonnykh proletnykh stroenii mostov. Moskva, Orgtransstroi, 1962. 79 p.
[MICROFILM]

BRIDGES, PILE—DESIGN AND CONSTRUCTION see subdivision under Dnepropetrovsk

BRIQUETS (FUEL)

Briquetting of coal fines at the UBM-M plant. I. L. Zaitsev, E. V Osipova Gidroliz i lesokhim prom. 17 no. 4:20-22 '64

BRITISH GUIANA—POLITICS AND GOVERNMENT

Events in British Guiana. V. Lavin. Nov. vrem. 21 no. 26.18-19 Je '64.

BRIUSOV, VALERII IAKOVLEVICH, 1873-1924

[Briusov readings in 1962] Briusovskie chteniia 1962 goda. Erevan, Armianskoe gos. izd-vo, 1963. 414 p.

BROACHING MACHINES

Geometry of the cutting tool and cutting conditions in broaching brittle materials. N I. Kovzel', E. E. Rabinovich, D A. Kruts'ko. Stan. i instr. 35 no 5: 35-36 My '64.

BROILERS (POULTRY) see subdivision under Armenia

BROMIDES

Reactions of unsaturated compounds with halides of the allyl type. Part I: Telomerization of piperylene and isoprene hydrobromides with diene hydrocarbons. L. A Cherkasova, Kh. V. Bal'ian, L. M. Zubritskii. Zhur. ob. khim. 34 no. 6:1917-1925 Je '64.

BROMINE

Kinetics of the chemisorption of bromine by reducing absorbers. V. I. Ksenzenko, K. A. Erofeeva. Khim. prom. no. 4·260-265 Ap '64.

Relation between the relative adsorption of bromine and iodine by mineral adsorbents from aqueous solutions in the presence of salts. E. I. Akhumov, B. IA. Rozen. Zhur. fiz. khim. 38 no. 3.537-541 Mr '64.

BRONCHI—DISEASES

Causes of the disturbance of bronchial patency in patients with insufficient blood circulation in the light of pharmacological test data. G. I. Badalian Izv. AN Arm. SSR. Biol. nauki 16 no. 2:77-82 F '63.

BRONCHI—HYDATIDS

Rupture of a liver hydatid into the bronchus. D. N. Bogoev Uch zap Stavr gos. med. inst. 8·213-218 '63.

BRONCHI—RADIOGRAPHY

Klimanskii, V. A. [Bronchography in children] Bronkhografiia u detei. Moskva, Meditsina, 1964. 130 p. (Biblioteka prakticheskogo vracha)
(DNLM)

BRONCHI—SURGERY

Reconstructive operations of the trachea and bronchi. G. E. Ostroverkhov, N. S. Zheltikov. Khirurgiia 40 no. 2:103-110 F '64.

BRONCHIAL FISTULA see Fistula, *Bronchial*

BROOMRAPE

Anatomic investigation of the vascular equipment in flowers of some species of the families Orobanchaceae and Scrophulariaceae. IA. D. Tiagi. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no. 2:29-52 Mr-Ap '62.

BROWN, BARNUM, 1873-1963

Barnum Brown (1873-1963). Bernhard Peyer (1885-1963). L. P. Tatarinov. Paleont. zhur. no. 1:160 '64.

BROWNIAN MOVEMENTS

A multiple stochastic integral. G. N. Sytaia. Ukr. mat. zhur. 16 no. 3:351-364 '64.

Some problems of the Brownian diffusion of Stokes particles in a spatially nonuniform external field. IU. S. Sedunov. Izv. AN SSSR. Ser geofiz no. 7:[illegible]-1102 Jl '64.

BRUCELLA

Characteristics of Brucella cultures isolated from hares by the method of diffusion precipitation in gel. N. G. Shin. Izv. AN Kazakh. SSR. Ser. med. nauk [illegible] no. 2:76-84 '64.

BRUCELLA—CULTURES AND CULTURE MEDIA

Study of Brucella cultures isolated from hares by the method of [illegible] in agar gel. N. G. Shin, I. I. Bobrovskaia, M. M. [illegible] Izv. AN Kazakh. SSR. Ser. med nauk no. 1:91-98 '64

BRUCELLOSIS

Electroencephalography in chronic brucellosis [illegible] Tleulin, E A Khairushev. Vest AN Kazakh [illegible] no. 6 57-61 Je '63

BRUCELLOSIS—PREVENTIVE INOCULATION

Effect of penicillin and streptomycin on the process of the formation of complement-fixing antibodies in brucellosis. A. A. Navasardian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9·47-54 S '63.

State of the health of people inoculated with live antibrucellosis vaccines. N. D. Beklemishev [illegible] Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:81-[illegible]

BRUCELLOSIS IN CATTLE

(see also subdivision under Kirghizistan; Voronezh Province)

Ring serum test and its practical importance in the [illegible] rosis of brucellosis V. T. Kotov, [illegible] Artemov Zap Vor sel'khoz inst [illegible]

BRUCELLOSIS IN SWINE

Fertilizability and fertility of brood sows artificially inseminated on a farm affected by brucellosis [illegible] Akatov and others. Zap. Vor. sel'khoz inst [illegible] 121-122 '62

BRYANSK—BULLDOZERS

D-532 universal bulldozer. V. A. Kozlov. Stroi i dor mash. 8 no. 12:2-4 D '63.

BRYANSK PROVINCE—HAZEL

New accelerated method of determining the oil [illegible] of hazel nuts. E. N. Samoshkin. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:42-45 '63.

BRYOZOA, FOSSIL see Polyzoa, Fossil

BUBBLES

Motion of deformed gas bubbles in liquids. V. [illegible] Zhur. fiz. khim. 37 no. 4:760-763 Ap '63.

Process of air bubbling through mineral oil emulsions V. G. Gleim, S. G. Tereshchenko, T. A Aleksandrova Zhur. prikl. khim. 37 no. 5:1014-1020 My '64

BUDAPEST—FAIRS

The Budapest fair. V. Gerasimov. Nov. vrem. 21 no. 27:27-28 Je '64.

BUFFALOES

Aliev, M. G. [Physiology of lactation in buffalo cows] Fiziologiia laktatsii buivolits. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 186 p. (DNAL)

BUG VALLEY—MOLLUSKS, FOSSIL

Mollusks of Middle Eocene sediments in the Bug Valley V. O. Zelins'ka. Geol. zhur. 23 no. 4:99-105 '63

BUG VALLEY—ROCKS, SEDIMENTARY

Lithology of the Sarmatian sediments in the Southern Bug and Ingul Valley. N. N. TSikhots'ka. Geol. zhur 23 no. 4:106-109 '63.

BUILDING

The All-Union Scientific Research Institute for the Management of Rural Construction Operations and rural construction. F. Mal'tsev. Sel'. stroi. 18 no. 10.11-12 O '63

Calculating continuous construction of a residential area. V. Maidanov. Stroi. i arkhit. 12 no. 5:19-23 My '64.

Osipov, L. G. [Principles of building] Osnovy stroitel'nogo proizvodstva. Moskva, Vysshaia shkola, 1964. 341 p.

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref. zhur.: Stroi. i arkhit. 6 no. 4 '64.

BUILDING—DETAILS

(see also subdivision under Moscow Province)

[Finishing and facing materials for construction work] [illegible] Moskva, Standartgiz, [illegible] 24 p. [illegible] (Gosudarstvennye standarty)

BUILDING—ESTIMATES

How to determine draft efficiency I Perepechin Plan khoz 41 no 7 83-85 Jl '64.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Collection of supplemental standard district estimates for construction. Approved by the State Construction Committee of the U.S.S R. to go into effect April 1, 1964] Sbornik dopolnitel'nykh edinykh raionnykh edinichnykh rastsenok na stroitel'nye raboty. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR dlia primeneniia s 1 aprelia 1964 g. Moskva, Stroiizdat.
No. 11. 1964. 135 p.

BUILDING—REPAIR AND RECONSTRUCTION

Prestressed coverings for major repairs of buildings. A.I.Lysova. Nauch.trudy AKKH no.18;3-31 '62.

Study of the operating process of loading machines used in the major repair of buildings. B.A.Nalbandov. Nauch.trudy AKKH no.18·87-105 '62.

BUILDING—TECHNOLOGICAL INNOVATIONS

Technological innovations in building. Sil'.bud. 13 no.3;22 Mr '63.

BUILDING FITTINGS

Koshkin, V.G., A.A. Gorgunova, and M.A. Konstantinova. [Polymer strip-type parts for buildings; their manufacture and use] Polimernye pogonazhnye izdeliia dlia stroitel'stva; proizvodstvo i primenenie. Moskva, Stroiizdat, 1964. 99 p. (Novye stroitel'nye materialy)

BUILDING INSPECTION

Inspection continues. D Smirnov Zhil.-kom khoz. 13 no. 9;9 S '63.

BUILDING MATERIAL PLANTS see subdivision under Karaganda region

BUILDING MATERIAL PLANTS—EQUIPMENT AND SUPPLIES

Miaskovskii, I.G. [Electric equipment for building materials plants] Elektrooborudovanie zavodov stroitel'nykh materialov, Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 362 p.

BUILDING MATERIALS
(see also subdivision under Armenia)

Apartment house made of synthetic materials. V.I. Tikhonovich. Biul. stroi. tekh 21 no 1:37-38 Ja '64.

Makarov, A.IA., comp. [Reference manual on building materials] Spravochnik po stroitel'nym materialam. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 647 p.

Manufacture of products from industrial sitall and slag sitall. Biul. stroi. tekh. 21 no 1:6-8 Ja '64.

New building elements and products. P.M. Makhinia. Biul. stroi. tekh. 21 no. 1;35-36 Ja '64.

Reduce expenditures for building materials. B.Lisitsyn. Fin.SSSR 38 no.7;32-36 Jl '64.

BUILDING MATERIALS—DICTIONARIES

[Building materials; an encyclopedia of present-day technology] Konstruktsionnye materialy; Entsiklopediia sovremennoi tekhniki. Glav. red. A.T. Tumanov. Moskva, Sovetskaia Entsiklopediia (Entsiklopedii, slovari, spravochniki)
Vol. 2. [Corrosion—bearing materials] Korroziia—podshipnikovye materialy. 1964. 408 p.

BUILDING MATERIALS—TRANSPORTATION see subdivision under White Russia

BUILDING MATERIALS INDUSTRY see subdivision under Chimkent

BUILDING SITES

Viduev, N.G., and D.I. Rakitov. [Application of surveying to engineering and construction operations; surveying at building sites] Prilozhenie geodezii v inzhenerno-stroitel'nom dele; geodezicheskie raboty na stroitel'noi ploshchadke. Izd. 2., ispr. i dop. Moskva, Izd-vo "Nedra," 1964. 398 p.

BUILDINGS, PREFABRICATED

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi nauchno-issledovatel'skii i proektnoeksperimental'nyi institut industrial'nykh zhilykh i massovykh kul'turno-bytovykh zdanii. [Means for increasing the capacity of plants prefabricating elements for I-464A series houses] Puti povysheniia proizvodstvennoi moshchnosti zavodov, vypuskaiushchikh doma serii I-464A. Moskva, Gosstroiizdat, 1962. 26 p. (V pomoshch' krupnopanel'nomu domostroeniiu)
[MICROFILM]

Building experimental apartment houses with prefabricated room units. N. Plekhov and others. Stroi. i arkhit. 12 no. 5;12-18 My '64.

Using in rural construction the panels made in rolling mills. M.E. Averbakh. Biul. stroi. tekh. 21 no. 1;40 Ja '64.

BUILDINGS, PREFABRICATED—DESIGN AND CONSTRUCTION

Rzhanitsyn, A.P., ed. [Design of thin-walled prefabricated structures] Raschet tonkostennykh prostranstvennykh konstruktsii. Moskva, Stroiizdat, 1964. 294 p.

BUKHARA KHANATE—COINS

Davidovich, E.A. [History of coinage in Central Asia from the 17th to the 18th century; gold and silver coins of the Janids] Istoriia monetnogo dela Srednei Azii XVII-XVIII vv.; zolotye i serebrianye monety Dzhanidov. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 316 p. illus.

BUKHARA PROVINCE—OSTRACODA, FOSSIL

Find of ostracods of the genus Mediocytherideis in Neogene deposits of the Bukhara-Karshi Steppes (Uzbek S.S.R.). M.N.Gramm. Paleont.zhur. no.2; 155-157 '64.

BUKOVINA—ECONOMIC GEOGRAPHY

Vashchenko, P.P. [Soviet Bukovina] Sovetskaia Bukovina. Moskva, Uchpedgiz, 1963. 119 p.

BULGARIA—AGRICULTURE—ECONOMIC ASPECTS

Work of the Bulgarian economists. K. Kiriakov. Ekon. sel'khoz. 35 no. 1;124-126 Ja '64.

BULGARIA—BIBLIOGRAPHY

[New literature on Bulgaria] Nov. lit. po Bolg. nos. 4-5 '64.

BULGARIA—FOREIGN RELATIONS—EUROPE, EASTERN

Bulgaria expands relations with fraternal countries. N. Nachev. Vnesh. torg. 44 no. 5·43-46 '64

BULGARIA—GEOLOGY, STRATIGRAPHIC

Paleogene in Bulgaria and its connection with the analogous sediments in Georgia. I.V. Kacharava. Izv. Geol. ob-va Gruz. 2 no. 2;3-14 '61.

BULGARIA—HISTORY

[Struggle for the national liberation of Bulgaria during the Russo-Turkish War, 1877-1878] Bor'ba za natsional'noe osvobozhdenie Bolgarii v period Russko-turetskoi voiny, 1877-1878. Pod red. S.A. Nikitina. Moskva, Izd-vo "Nauka," 1964. 644 p. (Osvobozhdenie Bolgarii ot turetskogo iga, no. 2)
(MH)

BULGARIA—MARITIME LAW

Decree of September 28, 1953 on the merchant marine of the Bulgarian People's Republic. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19;44-63 '63.

Maritime law of the People's Republic of Bulgaria. A.IA. Vorokhobskii. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19;12-18 '63.

BULGARIA—NAVY

Sailors perform their duty. Iordan Milev. Sov. voin 46 no. 11;42 Je '64.

BULGARIA—PHARMACY

Pharmacy in Bulgaria. G.P. Matveenko, M.E. Votoshin. Apt. delo 12 no. 2;87-89 Mr-Ap '63.

BULGARIA—WORLD WAR, 1939-1945

Valev, L.B. [The Bulgarian nation and the struggle against fascism; on the eve and the first period of the Second World War] Bolgarskii narod v bor'be protiv fashizma; nakanune i v nachal'nyi period vtoroi mirovoi voiny. Moskva, Izd-vo "Nauka," 1964. 371 p.

BULGARIAN DRAMA—HISTORY AND CRITICISM

Savov, S.M. [Heroic revolutionary drama of Bulgaria, 1944-1960] Geroiko-revoliutsionnaia drama Bolgarii (1944-1960). Moskva, Izd-vo "Nauka," 1964. 92 p.

BULGARIAN LANGUAGE—DIALECTS see subdivision under Kalanchak

BULGARIAN PERIODICALS—BIBLIOGRAPHY see Bibliography—Bulgarian periodicals

BULLDOZERS
(see also subdivision under Bryansk; Odessa Province)

Testing a diesel-powered bulldozer with a catalytic exhaust scrubber. R.M. Popovichenko, S.K. Kozhakanov. Vest. AN Kazakh. SSR 19 no. 6;33-39 Je '63.

BULLS see subdivision under Estonia

BULLS—DISEASES AND PESTS

Pathoanatomical changes in the sexual organs of bulls with trichomoniasis V.A. Akatov. Zap. Vor sel'khoz inst 17 no. 2·57-63 '62.

BUONARROTI, MICHEL ANGELO, 1475-1564

Great Italian architect. IU. Aseev. Stroi. i arkhit. 12 no. 5;39-40 My '64.

BURBANK, LUTHER, 1849-1926

Luther Burbank's philosophical views. M.N. Chechin. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 2;93-101 '64.

BURMA—COMMERCE

The current problem of Burma. I. Vasil'ev. Vnesh. torg. 44 no. 5;29-32 '64.

BURMA—SOILS

Soils of the mountainous subtropics and the alpine regions of Burma. B.G. Rozanov, I.M. Rozanova. Vest. Mosk. un. Ser. 6; Biol., pochv. 18 no. 3;71-78 My-Je '63.

BURNERS

Study of the aerodynamics of currents in low-pressure injection burners. D.Zh.Buachidze. Trudy Inst. energ.AN Gruz.SSR 17;257-272 '63.

Study of the effect of the coefficient of excess air on the flame length of emulsion burners. V M. Baboshin Teploenergetika 10 no 10 51-56 O '63

BURNS AND SCALDS

Research in the field of noninfectious immunity in eye burns N S Shul'gina Pat fiziol i eksp terap. 7 no 6 21-23 N-D '63.

BURYAT A.S.S.R.—HISTORY

Plis, A.K. [From the history of the revolutionary movement of the Ust'-Selenga region of Buryat-Mongolia; recollections] Iz istorii revoliutsionnogo dvizheniia v Ust'-Selenginskom raione Buriat-Mongolii; vospominaniia. Ulan-Ude, Buriat-Mongol'skoe knizhnoe izd-vo, 1958. 89 p.
(MH)

BURYAT LANGUAGE—GRAMMAR

Dondukov, U.-Zh.Sh. and E.G. Pakhutova. [Textbook of the Buryat language for students who know Russian] Uchebnik buriatskogo iazyka dlia znaiushchikh russkii iazyk. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 173 p.
(NjP)

BUS CONDUCTORS (ELECTRICITY)

Calculation of current density distribution in closed current conductors. E.I. Petrushenko. Izv. vys ucheb. zav.; elektromekh. 7 no. 6;647-656 '64

Faulty operation of high-voltage busbars. O.V. Suslov. Elek. sta. 35 no 4 83-84 Ap '64

BUS CONDUCTORS (ELECTRICITY)—WELDING

Reinforcing aluminum busbars with copper straps. V.S. Korotkov. Sbor. st.NIITIAZHMASHa Uralmashzavoda no. 3;109-116 '64.

BUSINESS ENTERPRISES

Relations between enterprises and their superior governmental organs and the problem of contract liability. V.K. Mamutov. Sov. gos. i pravo 34 no. 5;42-51 My '64.

BUSINESS MATHEMATICS

Aravliiskii, A.N. [Collection of problems and exercises in commercial computing] Sbornik zadach i uprazhnenii po khoziaistvennym vychisleniiam. Moskva, Statistika, 1964. 141 p.

BUTADIENE

Diene condensation of gem-substituted butadienes. N.P. Sopov, M.L. Kovner Zhur ob khim. 34 no. 5·1496-1499 My '64.

Improvement of the production of butadiene-methylstyrene (styrene) rubbers. I.I. Radchenko and others. Kauch. i rez. 23 no. 4;1-6 Ap '64.

Preparation of 1,3-butadiene derivatives by pyrolysis of secondary alcohol acetates obtained on the basis of the condensation products of isoprene and piperylene with unsaturated aldehydes N P. Sopov, M.L. Kovner Zhur. ob. khim 34 no. 5·1492-1496 My '64.

BUTADIYNE

Regularities in the addition reactions of diacetylenes. Part 1: Course of the addition of bromine and hydrogen bromide to the nearest unsymmetrical diacetylene homologs. IU.I.Porfir'eva, A.A.Petrov, L.B.Sokolov Zhur.ob.khim. 34 no.6;1873-1881 Je '64.

Regularities in the addition reactions of diacetylenes. Part 2: Course of the addition of mercaptans to nearest unsymmetrical diacetylene homologs. IU.I.Porfir'eva, L.B.Sokolov, A.A.Petrov. Zhur.ob.khim. 34 no.6; 1881-1886 Je '64.

BUTANE

Mutual limited solubility of gases in the water - butane system. D.S. TSiklis, V.IA. Maslennikova. Dokl. AN SSSR 157 no. 2;426-429 Jl '64.

BUTANE, EFFECT OF RADIATION ON

Effect of ionized radiation on the kinetics of butane oxidation. Part 2. N.A. Slavinskaia and others. Zhur. fiz. khim. 36 no. 6;1293-1298 Je '62.

BUTENYNE

Alkyl thioenynes and their analogs. Part 1: Synthesis and properties of vinylacetylenic thio-, seleno-, and telluro ethers. A.A. Petrov and others. Zhur. ob. khim. 34 no. 6;1899-1905 Je '64.

Metalation and isomerization of vinylalkyl acetylenes by the action of alkali metal amides in liquid ammonia. A.A. Petrov, V.A. Kormer. Zhur. ob. khim. 34 no. 6; 1868-1873 Je '64.

Reactions of ethers with unsaturated radicals. Part 2: Reaction of the 1,4-cleavage of ethers with a 2-butynyl radical. G.M. Mkrian, Sh.L. Mndzhoian. Izv. AN Arm. SSR. Khim. nauki 17 no. 3;306-313 '64.

BUTENYNE—TOXICOLOGY

Determination of threshold concentrations of monovinylacetylene affecting the central nervous system of rabbits and white mice. M.S. Gizhlarian. Izv. AN Arm. SSR. Biol. nauki 16 no. 2;69-75 F '63.

[illegible]

[illegible]

[illegible]

[illegible] under Alay Range, Tien [illegible]

[illegible]
[illegible] systems containing [illegible] with upper critical temperature [illegible] equilibrium of liquid phases [illegible] n butyl alcohol [illegible] Zhur ob khim 34 [illegible] '64

[illegible] ACID
[illegible] in brain tissues in the [illegible] Musaelian Nerv sist [illegible]
[illegible] catechol [illegible] M A Hostomian [illegible]
[illegible] on the content of [illegible] tissues [illegible] F Shatunova, [illegible] 12-16 '63

[illegible] ACID—PHYSIOLOGICAL EFFECT
[illegible] P E [illegible] 59 no 8:75-76 Ag [illegible]
[illegible] tion of γ-aminobutyric acid. [illegible] Izv AN Arm SSR, Biol nauki [illegible]

[illegible]TYRIC ACID BACTERIA
[illegible] ation of the [illegible] bacteria G I [illegible] '63

[illegible]YKOV, VIKTOR
[illegible] Voen znan 40 [illegible]

CABBAGE
[illegible] yield of cabbage and [illegible] Stor nauch rab [illegible] 6 25-27 '61

[illegible]CIA, HAROLD ANTHONY, 1905-
[illegible] Caccia [illegible] Petrov Mir ekon i mezh- [illegible]

[illegible]ADASTERS see subdivision under Novgorod (Duchy)

[illegible]ADMIUM
[illegible] the level of critical depolarization and the [illegible] of electrotonus in a single Ranvier's [illegible] of the tonic effect of cadmium [illegible] B I Khodorov, V.I. Beltaev. Biofizika [illegible] '63

[illegible]ADMIUM ANTIMONIDE CRYSTALS
[illegible] of the properties of CdSb crystals, alloyed [illegible] and VI elements on the impurity con- [illegible] M. Gasev Izv. AN SSSR. Ser. fiz. 28 [illegible] Je '64
[illegible] dependence of the current carrier mobility [illegible] antimonide crystals. I.K. Andronik, M.V. [illegible] Izv. AN SSSR. Ser. fiz. 28 no. 6 1028-1032 Je [illegible]

CADMIUM-TELLURIUM-MERCURY ALLOYS see Mercury-cadmium-tellurium alloys

CADMIUM-THALLIUM ALLOYS—THERMODYNAMICS
Thermodynamic properties of alloys of the system cadmium - thallium. G V. Evseeva, A. M. Evseev, L V. Zenkevich. Zhur. fiz khim. 38 no. 3:801-802 Mr '64

CAFFEINE—PHYSIOLOGICAL EFFECT
Effect of the irritation of stomach receptors on skin permeability against a background of stimulation of the central nervous system A G. Tagieva Dokl AN Azerb SSR 20 no 4 71-75 '64
Thyrotropic reaction under the conditions of increased tonus of the central nervous system by caffeine, V D Bubnov Uch zap Tadzh un 17 Trudy Fak est nauk no 3 63-67 '58

CAFFEINE—THERAPEUTIC USE
Effectiveness of psychoeducational influences on oligophrenic children during their treatment with glutamic acid and caffeine. I, Spachinaru, Zhur. nevr. i psikh. 63 no. 7 1089-1093 '63.

CALAMITES see subdivision under Dzhezkazgan region *(Karaganda Province)*

CALCIFICATION
Neurodystrophic calcifications and ossifications. A. A. Smirnova, P D, Khazov. Vest. rent. i rad. 38 no. 3: *71-72 My-Je '63.*

CALCIUM
Study of the separation of strontium from the prevailing amounts of calcium by the method of continuous electrophoresis. V. P. Shvedov, A V. Stepanov, N. I. Gorskii. Radiokhimiia 5 no 6:690-694 '63.

CALCIUM—PHYSIOLOGICAL EFFECT
Dietary calcium and phosphorus enrichment as a factor lowering the strontium-90 concentration in the skeletal bone. V. A. Knizhnikov, P. F Bugryshev. Vop pit. 22 no 6 56-62 N-D '63

CALCIUM CHLORIDE
Study of the fractional composition of proteins of antitetanus serum in the immunization process. P, S, Dotsenko, L. G. Galushko. Trudy Irk. NIIEM no. 6: 28-33 '61.

CALCIUM CHLORIDE—PHYSIOLOGICAL EFFECT
Comparative evaluation of nonspecific stimulants in the development of antitoxic immunity in tetanus. Report No. 1. E I. Shchamel', Trudy Irk. NIIEM no. 6:34-40 '61.

CALCIUM IN THE BODY
Content of the various forms of calcium compounds in the blood serum of cattle in alimentary osteodystrophies. G A Chaplygina, A. L. Shichanina Zap Vor. sel'khoz inst 17 no 2 171-175 '62

CALCIUM ISOTOPES
Role of different segments of the alimentary tract in the excretion of radioactive calcium, D. I. Bel'chenko. Biul. eksp. biol. i med. 56 no. 8:68-70 Ag '63.

CALCIUM METABOLISM
Distribution and excretion of radioactive calcium from the organism of healthy and lead-poisoned animals K, K, Makashev, L. V. Kazachenko. *Izv. AN Kazakh. SSR Ser* med. nauk no. 1:50-55 '64.

CALCIUM OXIDES
Effect of filler dispersity on the hydration solidification of calcium oxide. S. I. Kontorovich. Dokl. AN SSSR 156 no. 2 434-436 My '64.

CALCIUM SULFIDES
Surface tension and density of $CaO - SiO_2 - CaS$ melts. *A. S Panov, I. S. Kulikov, L. M. TSylev.* Zhur. fiz khim. 36 no 6:1353-1354 Je '62.

CALCULATING MACHINES
Determination of the incidence of disease and the temporary loss of the working capacity by means of computing technique. V. T. Stogova. Zdrav. Ros. Feder. 8 no. 5:8-11 My '64.

CALCULI, BILIARY
Spontaneous internal biliary fistulas. S. G. Orel Vest. *khir 91 no. 10 22-30 O '63.*

CALCULI, URINARY
Urokymography in calculi of the ureters and kidney pelvis S. I. Finkel'shtein. Vest. rent. i rad. 38 no. 3 46-49 My-Je '63.

CALCULUS OF VARIATIONS
"Optimization techniques with applications to aerospace systems" [in English] by *Ed. G. Leitmann.* Reviewed by M. K. Kerimov. Zhur. vych. mat. i mat. fiz. 4 no. 2: 391-392 *Mr-Ap* '64.
Variation of a quasi-conformal mapping of a circular ring. S. L. *Krushkal'* *Sib.* mat. zhur. 5 no. 1:236-239 Ja-F '64.

CALIFORNIA—CRACKING PROCESS
Economics of the isomax process. N. D. Pinlagin [illegible] i tekh. topl. i masel 9 no. 5:60-70 My '64.

CALIFORNIUM ISOTOPES
Study of the products of reactions of heavy elements [illegible] multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions I. Brandshtetr and others. Radiokhimiia 5 [illegible] 711 '63.

CALORIMETERS
Determining the heat capacity of clay mud using a differential electric calorimeter. S. M. Kuliev, [illegible] Gabuzov, B. I. Esman. Dokl. AN Azerb. SSR [illegible] 41-45 '63.
Vacuum adiabatic calorimeter with automatically regulated heat screens for studying the thermal properties of macromolecular solutions. T. V. Burdzhanadze, P. L. Privalov, N. N. Tavkhelidze. Soob AN Gruz [illegible] 31 no. 2:277-281 Ag '63

CALORIMETRY
Calorimetric study of the thermal denaturation of [illegible] albumen. P. L. Privalov, D. R. Monaselidze. [illegible] Inst. fiz. AN Gruz. SSR 9:201-209 '63.

CALVES—FEEDING AND FEEDS
Kondyrev, V. E. [Substitutes for whole milk in raising calves] Zameniteli tsel'nogo moloka pri vyrashchivanii teliat. Moskva, Izd-vo "Kolos," 1964. 70 p.
(DNAL)
Raising calves for meat using various feeding rates [illegible] whole milk A. A. Butkevichene. Trudy Bel [illegible] issl. inst zhiv [illegible] 3 203-206 '62.

CAMERAS
Kulagin, S. V. [Photography and photographic apparatus] Fotografiia i fotoapparatura. [Petrozavodsk], Rosvuzizdat, 1963. 282 p.

CAMPS
In a Pioneer camp. I. Prokop'ev. Nar. obr. [illegible] 119 Je '64
In the Pioneer camp "Vostok." E. Solov'eva. Nar. [illegible] no. 6:70-71, 80a-80d Je '64
My friends. M. Pestova. Sem'ia i shkola 19 no. 5: 10-12 My '64.

CAMPS—DESIGN AND CONSTRUCTION see subdivision under Kharkov Province

CAMPUS PLANNING
Standard drafts of general plans for agricultural schools V M. Metonidze. Biul. stroi. tekh. 21 no. 1:40-42 Ja '64.

CAMS
Effect of the kinematic locking of cam mechanisms on the operative efficiency of automatic machines. [illegible] Gorskii, IA. L. Chernlavskii. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:114-122 '63.
Installation of spring shock absorbers in cam mechanisms. E. E. Peisakh, L. S. Sholno. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:109-113 '63.
Osetskii, V. M. [Analysis and synthesis of flat cam mechanisms; manual for the preparation of course projects] Analiz i sintez ploskikh kulachkovykh mekhanizmov; uchebnoe posobie po kursovomu proektirovaniiu. Pod red. N. F. Rudenko. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1963. 91 p.
[MICROFILM]

CANADA—AGRICULTURE
Agriculture of Canada. I. Khoroshilov. Ekon. sel'khoz. 34 no. 12:96-103 D '63.

CANADA—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION
Industrial construction in Canada. V. A. Zamaraev Biul stroi. tekh. 21 no. 1:44-47 Ja '64.

CANADA—PESTICIDES
Pesticides used in Canada. K. V. Novozhilov. Zashch. rast. ot vred. i bol. 9 no. 6:47-49 '64.

CANADA—PETROLEUM GEOLOGY
Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Basis for predicting the oil and gas occurrences of North America on the basis of the correlation of regional geologic data, digest of foreign literature] Obosnovanie prognozov neftegazonosnosti Severnoi Ameriki po materialam regional'nogo geologicheskogo obobshcheniia; obzor zarubezhnoi literatury. Moskva, 1963. 31 p. (Seriia: Neftegazovaia geologiia i geofizika)
[MICROFILM]

CANADA—PETROLEUM PRODUCTION—AUTOMATIC CONTROL
Automation of Virginia Hills field operations. Neft. prom. delo no. 1:40-41 '63.

Pechkurov, A.F. [Stability of the beds of rivers and canals] Ustoichivost' rusl rek i kanalov. Minsk, Izd-vo "Urozhai," 1964. 411 p.

CANCER

(see also subdivision under Karaganda Province)

Antibodies against the specific antigen of the membrane of tumor cells. B.D.Brondz. Vop onk 10 no 2:81-88 '64.

Effect of radio-iodinated globulins in antitumor serum on the development of the ascitic form of the Ehrlich tumor IU.A.Umanskii. Vop.onk. 10 no 2:91-98 '64.

Effect of some pyrimidine derivatives on the metastasis of transplantable SSK rat sarcoma. I F.Grekh, R.S. Karlinskaia, I.L.Turbina Vop.onk 10 no 2:98-105 '64.

Study on the carcinogenic activity of polyoma virus in rats, preliminary analysis of morphologival changes T. D. Gordeladze, F I. Adzhigitov. Arkh pat. 25 no 10 40-46 '63.

CANCER—DIAGNOSIS

Shiler-Volkova, N.N., and others. [Cytologic diagnosis of malignant neoplasms; an atlas] TSitologicheskaia diagnostika zlokachestvennykh novoobrazovanii; atlas. Moskva, Meditsina, 1964. 263 p.
(DNLM)

CANCER—EXCISION

Use of the polyamide thread "zhilka" for skin sutures in oncological operations. A. N. Matytsin. Vop onk. 0 no 10:100-103 '62

CANCER—PREVENTION

(see also subdivision under Alma-Ata; Chimkent Province, Gur'yov Province; Kazakhstan)

Conference on problems of the prevention and treatment of cancer and the search for anticancer substances prepored from Far East raw materials. I I Brekhman Vop.onk. 10 no.2:125-126 '64.

CANCER—TRANSPLANTATION

Duration of the adaptive period and the length of preservation of the immunological tolerance for Brown-Pearce carcinoma in rats. R. M Radzikhovskaia. Vop.onk. 8 no.10:56-59 '62.

CANCER RESEARCH

Adsorbed vaccine against Brown-Pearce carcinoma. P.A.Bulanov, IU.V.Isakov. Trudy Inst.klin i eksp. khir AN Kazakh SSR 8 128-131 '62

Catode luminescence of normal and cancerous cells. V.S.Piatenko, B.N.Tarusov. Biofizika 9 no.1 134-135 '64

Changes in the biological characteristics of transplantable malignant tumors under the effect of snake venom. IU.N.Fat'kin. Trudy Inst.klin i eksp khir.AN Kazakh. SSR 8:132-135 '62.

Comparative morphology of some cancerous tumors and their metastasis IU F Lomakin Trudy Inst.klin. i eksp khir AN Kazakh SSR 8:103-106 '62

Effect of some metabolic poisons of the respiratory chain on the ultraviolet fluorescence of cells. M.S. Shudel' and others Dokl. AN SSSR 157 no.2:447-450 Jl '64.

Effect of some supplementary factors on the development of experimental skin cancer. V F.Solomina. Trudy Inst.klin i eksp khir AN Kazakh.SSR 8:121-127 '62

Effect of the Rous virus on endothelial explants. M.P. Plokhov. Vop.onk. 8 no.10:42-48 '62

Pathogenesis of experimental tumors of the esophagus A.G Dorogokuplia. Trudy Inst.klin i eksp.khir AN Kazakh.SSR 8 41-46 '62.

Significance of typological characteristics of higher nervous activity in the genesis of tumors caused by cancerogenic substances L L.Maliugina, A.I Mironova, V K Fedorov, L.M Shabad. Zhur.vys.nerv. deiat 13 no 6 1097-1100 N-D '63

Study of the complement activity of blood serum in rabbits with Brown-Pearce carcinoma. IU.N.Fat'kin. Trudy Inst klin.i eksp.khir.AN Kazakh.SSR 8.136-130 '62.

Uridine diphosphate glucose system and glycogen transformation in ascitic tumor cells. M.F.Kharchenko, I.F.Seits. Vop.onk. 10 no.2:73-81 '64.

Viability of tumor tissue following a 3-year storage under freezing conditions. N.S.Kiseleva, O.I.Sokova. Vop.onk. 10 no.2:108-110 '64

ANDIDA (FUNGUS)

Effect of group B vitamins on the free amino acids of some yeast species of the genus Candida. M.A.Ter-Karapetian, E.N. Makarova. Izv.AN Arm.SSR.Biol. nauki 17 no.1:27-36 Ja '64.

ANDIDA DISEASES see Moniliasis

ANOES AND CANOEING

Racing with the wind. I.IUsupov. Sov.voin 46 no.13 44 Jl '64.

APERCAILLIE

Spring of a capercaillie. F.Smirnov. Sem'ia i shkola 19 no.5:46-47 My '64.

CAPILLARIES

Development of capillaries in post-traumatic regeneration of skeletal muscle tissue in mammals. A.V.Grigor'ev. Biul.eksp.biol.i med. 56 no.8:89-93 Ag '63.

CAPILLARIES—PERMEABILITY

Action of X rays and hormones on the penetration of labeled albumin into an inflammatory focus E R Bagramian D E Grodzenskii Pat fiziol i eksp terap 7 no 6 27-31 N-D '63

Materials on the state of the histohematic barrier in some cardiovascular diseases. A.I Lomouri Trudy Inst. klin.i eksper.kard.AN Gruz.SSR 8:385-389 '63

Study of capillary permeability in relation to radioactive iodine in atherosclerosis. I.G Kobiashvili, G.S. Akhmeteli, N.A Kurdiani. Trudy Inst.klin i eksper. kard.AN Gruz SSR 8:57-60 '63.

CAPILLARITY

Height and rate of capillary rise in a porous medium. N U.Koida, M.A.Bukhbinder. Zhur fiz khim 36 no.6:1205-1209 Je '62.

CAPITAL see subdivision under Kazakhstan

CAPITAL INVESTMENTS

(see also subdivision under Europe, Eastern, Ukraine)

Economic efficiency of capital investments in the future plan. V.Krasovskii, A Tolkachev Plan khoz 41 no 7 17-26 Jl '64

Efficiency of capital investments and bank control. V.Rodionova. Den i kred. 22 no.6 25-31 Je '64

CAPITALISM

(see also subdivision under Siberia)

Capitalism in the last hundred years. Mir ekon i mezhdunar.otn no.7 87-94 '64.

In contact with the modern times G Kharakhash'ian Mir ekon i mezhdunar otn no 6 156-157 '64

Moscow. Institut mezhdunarodnykh otnoshenii. [Imperialism and the crisis of world capitalism; textbook] Imperializm i krizis mirovogo kapitalizma; uchebnoe posobie. Pod red. E.IA.Bregelia. Moskva, IMO, 1964. 594 p.

The new stage of the antimonopolistic movement in the imperialist countries as interpreted in the program of the CPSU. P.A.Kuznetsov Uch.zap.kaf.ist.KPSS no.4:145-168 '64.

Varga, E.S. [Essays on the economics of capitalism] Ocherki po problemam politekonomii kapitalizma. Moskva, Politizdat, 1964. 382 p.

CARBAMIC ACID

Effect of the structure of diethyldithiocarbamates on the character of their isotopic exchange with S^{35}. I.V. Khodzhaeva, IU.V.Kissin. Zhur.fiz.khim. 37 no.4: 791-796 Ap '63.

Organic insectofungicides. Part 76: Synthesis of some new derivatives of carbamic acid. K.D.Svetsova-Shilovskaia and others. Zhur.ob.khim. 34 no.6:1779-1780 Je '64.

Synthesis of derivatives of amines Part 15: Some alkylene diol esters of substituted carbamic acids. O L Mndzhoian, G M Pogosian Izv.AN Arm.SSR. Khim nauki 17 no.3.314-318 '64

Zineb against the Peronospora infection of tobacco. R.I.Kiriukhina, D.A.Akhmedov, T.S.B'iadovskii. Zashch.rast.ot vred.i bol. 9 no.6:45-46 '64.

CARBAZOLE

Production of 2-hydroxycarbazole P P.Karpukhin, O.I.Levchenko. Khim.prom. [Ukr] no 1 18-20 Ja-Mr '63.

CARBOHYDRATE METABOLISM

Carbohydrate and phosphorus metabolism within the heart in pituitrin coronary insufficiency. U.A.Kuz'minskaia. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:407-410 '63.

Effect of light intensity on the accumulation of dry matter and carbohydrate metabolism in tomatoes V.A.Kudriavtsev. Fiziol.rast. 11 no.3 409-416 '64.

Effect of nitrogen fertilizers on the dynamics of carbohydrates and nitrogen in flax. L.L.Koshaleva. Vestsi AN BSSR.Ser.bilal.nav. no.3:51-58 '63.

CARBON

(see also subdivision under Azerbaijan)

Beliakov, V.A., and others. [Mechanism of particle production and interaction in the carbon nucleus] Mekhanizm obrazovaniia i vzaimodeistviia chastits v iadre ugleroda. Dubna, Ob"edinennyi in-t iadernykh issl. 1963. 23 p.

"Macromechanism" of carbon formation in the decomposition of benzene on compressed carbon black. A.P. Rudenko and others. Zhur.fiz.khim. 38 no.3:616-622 Mr '64.

Reduction of uranium ?-dioxide with solid carbon. V.G. Vlasov, E.V.Tkachenko. Zhur.prikl.khim. 37 no.5:946-951 My '64.

Transformation of sulfur compounds with the formation of carbon on a carbon surface. R.Z.Magaril, E.I. Aksenova, R.P.Terekhova. Gaz.prom. 7 no 4:60-64 '62.

CARBON—ANALYSIS

Simultaneous microdetermination of carbon, hydrogen, and sulfur in organic compounds. A A Abramian, A A Kocharian Izv AN Arm SSR Khim nauki 17 no 3 301-305 '64

CARBON—THERMODYNAMICS

Determination of the thermodynamic activity of carbon in chromium alloyed iron using radioactive C^{14}. E F. Petrova, L.A.Shvartsman. Zhur fiz.khim. 38 no.3: 765-766 Mr '64.

CARBON, ACTIVATED

Conditions for the preparation of activated coals from lignin I P Kutanau, B G Udarau Vestsi AN BSSR. Ser fiz.-tekh nav no 1 14-18 '64

Effect of insoluble admixtures on the structure of blocks of organic matters. M.S.TSedrik. Krist. zhid. no.2.18-24 '63.

Isotopic exchange of hydrogen sulfide with the products of its sorption on catalytic and activated carbon S.M.Golland, T K.Krapivina, V.I.Lazarev. Zhur. fiz.khim. 36 no 6:1320-1324 Je '62

Kinetics of the mixed adsorption of arsenic compounds on activated charcoal from nitric acid solutions. D.IA. Evdokimov. Zhur.prikl.khim. 37 no.5:980-984 My '64.

CARBON BLACK

Developing extraction methods for obtaining carbon black stock from catalytically cracked gas oils. A.V. Agafonov and others. Khim.i tekh.topl.i masel 9 no.5 13-16 My '64.

Effect of the type of carbon black on the vulcanization kinetics and the structure of vulcanizates G.N.Butko, N.A.Pruzhanskaia. Kauch.i rez 23 no 4:10-15 Ap '64.

Obtaining extracts to be used as raw materials in the production of carbon black. V.I Zavidov and others. Nefteper i neftekhim. no.6:24-26 '63.

Results of the industrial adoption of the production of crude for carbon black in thermal-cracking devices. V I Morozov and others Nefteper i neftekhim no 4 18-21 '63

CARBON DIOXIDE

Dissociation of carbon dioxide in the silent electric discharge. IU.P.Andreev and others. Zhur.fiz.khim. 38 no 3:704-707 Mr '64.

Some data on the nonequilibrium state of carbon dioxide behind the shock wave front. R.I.Soloukhin. PMTF no.6:138-140 N-D '63.

CARBON ISOTOPES

Determination of the thermodynamic activity of carbon in chromium alloyed iron using radioactive C^{14}. E.F. Petrova, L.A.Shvartsman. Zhur.fiz.khim. 38 no.3: 765-766 Mr '64.

CARBON MONOXIDE

Production of urea based on carbon monoxide. A.Iovi and others. Khim.prom. no.4:244-248 Ap '64.

CARBON MONOXIDE—TOXICOLOGY

Review of Ivan Temkov's book "Carbon monoxide intoxication of the nervous system." S.Zhughdo. Zhur.nevr. i psikh 64 no.5 706 '64.

CARBON TETRACHLORIDE

Interaction of diisopropylmercury with chloroform and carbon tetrachlori
AN SSSR 156 no

[illegible] art[illegible] of uracil- [illegible] M. [illegible] Beresters[illegible] [illegible] 34 [illegible] 1857-1863 My [illegible]

[illegible] Part II [illegible] containing carboxyl groups [illegible] Zhur ob.khim [illegible] 44 Ja '64

CARBOXYMETHYLATION

[illegible] of cellulose [illegible] and others [illegible] 1073-1075 My '64

[illegible]

[illegible]

CARD SYSTEM IN [illegible]

[illegible] 7 85 [illegible]

CARDIAC CATHETERIZATION

[illegible] of the atrium sinistrum with [illegible] of the [illegible] cavities of the heart and the aorta. F G [illegible] and others. Trudy Inst klin i eksper kard AN Gruz SSR 8,565-575 '63

CARDIAC GLYCOSIDES

[illegible] glycosides on higher [illegible] Farm i toks 26 no. [illegible]

[illegible] enzymes of the [illegible] oryzae. P I [illegible] D H [illegible] 16 no. 4 70 75 '63

CARDIAC MASSAGE

[illegible] direct heart massage [illegible] eksper [illegible]

Morphological changes in the heart following the use of direct massage and electric defibrillation in dogs following clinical death as a result of a unilateral open pneumothorax. Sh S Machavariani R V Kapanadze Trudy Inst klin i eksper kard AN Gruz SSR 8 673-677 '63

CARDIAC NERVE see Heart—Innervation

CARDIOLOGY

Radioactive isotopes in clinical and experimental cardiology. Z M Volynskii. Trudy Inst.klin i eksper. kard AN Gruz SSR 8,307-310 '63.

CARDIOVASCULAR RESEARCH

Some experimental data on the exclusion of the heart from blood circulation. S.M Kurbangaleev. Trudy Inst klin i eksper kard AN Gruz.SSR 8,591-601 '63.

CARDIOVASCULAR SYSTEM

Comparative evaluation of the effect of some preparations from the group of organic nitrates on the cardiovascular system under experimental conditions. V N Dziak [illegible] Farm i toks 26 no. 1 47 [illegible] Ja-F '63

Comparative physiological characteristics of the effect of aminazine on the regulation of cardiovascular activity. G A Antropov and others. Trudy Inst.klin.i eksper kard AN Gruz SSR 8:533-535 '63.

Study of the cardiovascular system of swimmers. V.V. Vasil'eva, V F.Kliaev, N.A Stepochkina. Teor.i prak fiz kul't. 27 no.6:42-45 Je '64

Study of the functions of the cardiovascular system in different types of sports (Greco-Roman wrestling, free-style wrestling, table tennis). G.I.Mateshvili and others. Trudy Inst klin.i eksper kard AN Gruz. SSR 8:513-524 '63

CARDIOVASCULAR SYSTEM—DISEASES

Change in some indices of the function of external respiration in cardiovascular patients under the influence of thalassotherapy. G.G.Tvaltvadze and others. Trudy Inst klin i eksper kard AN Gruz SSR 8:267-271 '63

Diagnostic errors and expertise on the working capacity in cardiovascular diseases. L.I.Fogel'son. Trudy Inst.klin i eksper kard AN Gruz.SSR 8:331-335 '63.

Materials on the state of the histohematic barrier in some cardiovascular diseases. A.I.Lomouri. Trudy Inst. klin.i eksper.kard.AN Gruz.SSR 8:385-389 '63.

Nauchnaia konferentsiia po voprosam klimatopatologii serdechno-sosudistykh zabolevanii, 2d, 1962. [Abstracts of reports of the Scientific Conference on Problems in the Climatopathology of Cardiovascular Diseases] Tezisy dokladov. Moskva, In-t terapii Akad. med. nauk SSSR, 1962. 76 p.

[DNLM MICROFILM]

Regional changes in blood pressure in hypertension and some other diseases of the cardiovascular system. A.I.Lomouri. Trudy Inst.klin .i eksper.kard.AN Gruz.SSR 8:231-236 '63.

Results of study of the functional state of the cardiovascular system by means of radioactive isotopes. I.G. Kobiashvili. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:563-566 '63

CARDIOVASCULAR SYSTEM—RADIOGRAPHY

Contrast investigation of the heart and large vessels by the method of direct punctures. V A.Kartavova and others. Trudy Inst.klin. i eksper.kard.AN Gruz.SSR 8:577-583 '63

X-ray characteristics of the heart and the vascular bundle in hypertension. N M.Kutateladze. Trudy Inst.klin i eksper.kard.AN Gruz.SSR 8:207-217 '63.

CARNIVORA, FOSSIL see subdivision under Georgia

CAROTENE

Examination of some representatives of the Compositae family for manganese and carotene content [with summary in English]. N I Grinkevich, N.S.Ignat'eva, L N.Safronich. Apt.delo 12 no.2:38-40 Mr-Ap '63.

Improvement of the method of determining carotene in plants and feeds. S.K.Karapetian, V.A.Vartanian, R.G.Balasanian. Izv.AN Arm.SSR.Biol.nauki 16 no.9 3-6 S '63.

CAROTENOIDS

Diurnal fluctuations in the chlorophyll and carotenoid content in the leaves of some plants. T N Godnev, E F Shabel'skaia. Fiziol.rast 11 no.3 385-390 '64

CAROTID ARTERY—DISEASES

Functional stenosis of the regional arterial system of the brain (internal carotid and vertebral arteries) as a cause of cerebrovascular disorders, experimental studies. G I.Mchedlishvili. Zhur.nevr.i psikh 64 no 5 663-666 '64

CARP

(see also subdivision under Tiligul'skiy Liman)

Nucleic acids in the offspring of carp obtained from hyperimmunized breeders. K F.Sorvachev, O.A. Medvedkina. Vest Mosk un Ser.6: Biol., pochv. 18 no.3 29-34 My-Je '63

CARPATHIAN MOUNTAIN REGION—FROGS

Ecology of the frog Rana dalmatina Bonaparte. N.A. Polushina, V.A.Kushniruk. Zool.zhur. 42 no.12:1881-1884 '63.

CARPATHIAN MOUNTAIN REGION—PETROLOGY

Lithological characteristics of the Sarmatian sediments in the internal zone of the cis-Carpathian trough. D.V. Hurzhii. Dop.AN URSR no 6:819-821 '63.

CARPATHIAN MOUNTAIN REGION—WATER, UNDERGROUND—ANALYSIS

Chemistry and genetic types of iodine- and bromine-containing waters in the cis-Carpathian region. R.V. Mal's'ka, L.P.Myshkin. [Pratsi] Inst.geol.nauk AN URSR.Ser hidrogeol.i inzh.geol. no.9.66-76 '63.

CARPATHIAN MOUNTAINS—GRANITE

Petrographic characteristics of plagiogranites in the Chivchinskiye Mountains in the Carpathians. L.R. Kazakov. Geol.zhur. 23 no.4:74-78 '63.

CARPATHO-UKRAINE see Transcarpathia

CASE HARDENING

Assonov, A.D. [Modern methods of heat treatment] Sovremennye metody termicheskoi obrabotki. Moskva, Izd-vo "Mashinostroenie," 1964. 188 p.

Chemical coating of titanium with an antifriction nickel-phosphide. S.F.IUr'ev, E.V.Sakharova. Metalloved. i term.obr.met no.6 28-33 Je '64

Hardening lead screws by nitriding. A.S.Zot'eva and others. Stan.i instr. 35 no.5:37-38 My '64

Low-temperature gaseous nitriding of P9 and P18 steel cutters. E.N.Bukhinik, V.A.Bogomolov. Metalloved. i term.obr.met. no.6:50 Je '64.

Nitriding of high-strength alloyed cast irons. IU.G. Bobro, I.A.Tananko. Mashinostroenie no.1:39-41 Ja-F '64.

Nitriding pinions without after-grinding. A.A.Borisov. Mashinostroenie no.1:41-42 Ja-F '64.

Smirnov, A.V., and others. [Nitriding passivating steels with the use of carbon tetrachloride] Azotirovanie passiviruiushchikhsia stalei s primeneniem chetyrekhkhloristogo ugleroda. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 3)

CASPIAN LOWLAND—GEOMORPHOLOGY

Results of and certain problems involved in structural-geomorphologic investigations in the Achinery region. A.A.Chistiakov, L.P.Kondakova. Neftegaz.geol.i geofiz. no.11:39-43 '63.

CASPIAN LOWLAND—PETROLEUM GEOLOGY

Charygin, M.M., and IU.M.Vasil'ev, eds. [Regularities in the distribution of oil and gas in the Caspian Lowland] Zakonomernosti raspredeleniia nefti i gaza v Prikaspiiskoi vpadine. [By] M.M.Charygin i dr. Moskva, Izd-vo "Nedra," 1964. 254 p.

Materials on the diatoms of fouling on the eastern coast of the Caspian Sea, preliminary report. N.I.Karaev. Trudy Inst.okean. 70:29-40 '63.

CASPIAN SEA—MARINE FOULING

Composition of fouling in the Caspian Sea. G.V. Zevina, I.A.Kuznetsova, I.V.Starostin. Trudy Inst.okean. 70:3-26 '63.

Materials on the diatoms of fouling on the eastern coast of the Caspian Sea, preliminary report. N.I.Karaev. Trudy Inst.okean. 70,29-40 '63.

CASPIAN SEA—OIL WELL DRILLING, SUBMARINE

Petroleum from under the ice. Priroda 53 no. 7 [illegible] '64

CASPIAN SEA—PETROLEUM PRODUCTION

Some problems in the economic effectiveness of oil production in the Caspian Sea. L.I.Nasibzade. Izv. AN Azerb.SSR 20 no.3:40-54 '64.

CASPIAN SEA REGION—GAS, NATURAL—GEOLOGY

Oil and gas-producing series in the Paleogene-Miocene sediments in the Caspian-Kuba area. Sh.F.Mekhtiev, A.A.Aliev. Neftegaz.geol.i geofiz. no.11:29-[illegible] '63.

CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC

Middle Pliocene stage in the geological history of the Caspian Sea region. N.P.Lupov. Trudy VSEGEI 109 11-35 '63.

CASPIAN SEA REGION—MOLLUSKS, FOSSIL

Origin and development of the Chokrak fauna. K.G. Bagdasarian. Trudy Inst.paleobiol.AN Gruz.SSR 7: 111-135 '62.

CASPIAN SEA REGION—PALEONTOLOGY, STRATIGRAPHIC

Stratigraphic position of the Tarkhan horizon. O.A. Kvaliashvili. Trudy Inst.paleobiol.AN Gruz.SSR 7: 145-156 '62.

CASPIAN SEA REGION—PETROLEUM GEOLOGY

New data on the tectonics of the Caspian-Kuba and southern Daghestan oil- and gas-bearing regions. [illegible] TSimel'zon. Neftegaz.geol.i geofiz. no.11:13-[illegible]

Oil and gas-producing series in the Paleogene-Miocene sediments in the Caspian-Kuba area. Sh.F.Mekhtiev, A.A.Aliev. Neftegaz.geol.i geofiz. no.11:29-[illegible]

CASPIAN SEA REGION—RODENTS

Development of the fauna of rodents in the deserts of the northeastern Caspian Sea region in relation to the recent regression of the Caspian Sea. R.D.Maslovets. Zool.zhur. 43 no.5:744-748 '64.

CASPIAN SEA REGION—RODENTS AS CARRIERS OF DISEASE

Epizootiological role of mixed rodent colonies at the junction of the landscapes of the original seashore and the young coastal plain. A.A.Lavrovskii. Zool.zhur 43 no.1:98-107 '64.

CASPIAN SEA REGION—SALT DOMES

Internal structure and certain features of the growth of salt cores in the salt domes of the Caspian Sea region. S.A.Dolgikh. Vest.AN Kazakh SSR 19 no 6,71-[illegible] Je '63

CAST IRON

Feasibility of enameling cast iron after its heat treatment in protective atmospheres. E.B.Revvo. Mashinostroenie no.1:37-38 Ja-F '64.

Investigating the overheating of liquid cast iron in a cupola furnace. L.M.Marienbakh, G.P.Dolotov. Izv.vys.ucheb.zav., mashinostr. no.1:28-30 '64.

New brand of cast iron. Mashinostroenie no.1:112 Ja-F '64.

Nitriding of high-strength alloyed cast irons. IU.G. Bobro, I.A.Tananko. Mashinostroenie no.1:39-41 Ja-F '64.

Replacing bronze by antimonial cast iron. L.N.Loginov. Mashinostroitel' no.5:11 My '64.

CAST IRON—ELECTROMETALLURGY

Intensifying the desulfuration of cast iron by the electrolysis of slag. A.A.Dobryden', O.A.Esin, S K Chuchmarev. Izv.vys.ucheb zav.; chern.met. 7 no.6 11-16 '64

CAST IRON—HARDENING

Improving the technology of the heat treatment of rollers for tractor running gears. I.Sh.Svet. Mashinostroenie no.1:88-89 Ja-F '64.

CAST IRON—METALLOGRAPHY

Effect of the preliminary homogenizing of cast iron on the aspect of the diagram of isothermal decomposition of austenite. K.P.Bunin, I.P.Fedorova. Izv.AN SSSR, Met.i gor.delo no.3:116-117 My-Je '64.

Investigating the growth of cast iron during repeated heating. G.F.Tikhonov. Trudy GPI 19 no.1:5-9 '63.

Phosphide eutectic in cast iron. I.V.Lebedev. Trudy GPI 19 no.1:10-13 '63.

Redistribution of carbon determined by the microliquation of silicon in steels and cast irons. IA.N. Malinochka. Izv.AN SSSR.Met.i gor.delo no.3:126-130 My-Je '64.

[illegible]

CAST IRON—TESTING

[illegible]

[illegible]

CAST IRON—WELDING

[illegible]

[illegible]

[illegible]

CASTRATION

[illegible]

[illegible]

[illegible]

CATALASE

[illegible]

CATALOGING, COOPERATIVE

[illegible]

CATALOGING OF PERIODICALS

[illegible]

[illegible]

[illegible]

CATALYSIS

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Moskva, [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

CATALYSTS

[illegible]

[illegible] pentylene [illegible] catalysts. [illegible] and others. [illegible] no.4 [illegible] Ap '64.

[illegible] of phenol in the presence of [illegible] catalysts. [illegible] and others. [illegible] AN [illegible] no.3 [illegible] Ap '64.

Kinetic calculations of the regenerator of a catalytic cracking unit on a bead catalyst. [illegible] V. Adel'son, A.IA. [illegible] Khim. i tekh. topl. i masel 9 no.5:40-52 My '64.

[illegible] catalyst. [illegible] Ap '64.

[illegible] reforming catalyst. V.V. [illegible] Khim. i tekh. topl. i masel 9 no.5:[illegible] My '64.

Problems of economics in the development of the production of catalysts for the petroleum industry. [illegible] Khim. i tekh. topl. i masel 9 no.5:[illegible] My '64.

[illegible] of heterocyclic compounds based on [illegible] reaction. Part 5: Catalysis of an "abnormal" [illegible] reaction. [illegible] Zhur. ob. khim. 34 no.6:[illegible] Je '64.

CATALYSIS—ANALYSIS

[illegible] method for determining molybdenum in catalysts. [illegible] V.M. [illegible] Khim. i tekh. topl. i masel [illegible] My '64.

CATARRH

[illegible] of the effect of meteorological factors on the [illegible] of influenza and acute catarrhs of the upper respiratory tracts. M.A. Manasian and others. [illegible]

CATECHOL

[illegible] Akad. nauk [illegible] '63.

CATHEDRALS see subdivision under Leningrad

CATHODES

[illegible] cathodes. V.V. [illegible] Radiotekh. i elektron. 9 [illegible] Ap '64.

[illegible] Je '64.

[illegible] cathodes. V.V. Avanes'ev. Radiotekh. i elektron. 9 [illegible] Ap '64.

[illegible] Radiotekh. i elektron. 9 [illegible] Ap '64.

[illegible] Je '64.

[illegible]

CATHODIC PROTECTION

[illegible] Trudy Inst. energ. AN [illegible] '63.

[illegible] Trudy Inst. energ. AN Gruz. SSR 17: [illegible] '63.

CATHOLIC CHURCH see subdivision under Lithuania

CATTLE

[illegible]
(MIRA)

CATTLE—DISEASES AND PESTS see subdivision under Voronezh Province

CATTLE—FEEDING AND FEEDS

(see also subdivision under Aral Sea region, White Russia)

[illegible] concentration of vitamins B₁ and [illegible] I.I. [illegible]

[illegible]

CATTLE—PARASITES see Parasites—Cattle

CATTLE AS CARRIERS OF DISEASE

[illegible]

[illegible] see subdivision under [illegible] Polesye

CAUCASIAN LANGUAGES

Imnaidze, E.A. [The Gimukh dialect of the Dido language] Gimukhskii dialekt didoiskogo iazyka. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 210 p.

CAUCASIAN LANGUAGES—GRAMMAR, COMPARATIVE

Akademiia nauk SSSR. Institut iazykoznaniia. [Problems of the descriptive grammars of languages of the Northern Caucasus and Daghestan, materials of the joint session of the Institute of Linguistics of the Academy of Sciences of the U.S.S.R. and the Kabardino-Balkar Research Institute] Voprosy opisatel'nykh grammatik iazykov Severnogo Kavkaza i Dagestana, materialy ob"edinennoi nauchnoi sessii Instituta iazykoznaniia AN SSSR i Kabardino-Balkarskogo nauchno-issledovatel'skogo instituta. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 170 p.
(MIR)

CAUCASIAN STUDIES

Kaloev, B.A. [V.F. Miller, expert on the Caucasus; studies and materials] V.F. Miller-kavkazoved; issledovanie i materialy. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 198 p.

CAUCASUS—CAVE FAUNA

[illegible] of the mollusks from the underground waters of the Caucasus. [illegible] Biul. MOIP. Otd. biol. [illegible]

CAUCASUS—GAS, NATURAL—GEOLOGY

[illegible] potentials of the Upper [illegible] in the [illegible] Izv. AN Armen. SSR [illegible] '64.

CAUCASUS—GASTROPODA

[illegible] of the mollusks from the underground waters of the Caucasus. [illegible] Biul. MOIP. Otd. biol. [illegible] '64.

CAUCASUS—GEOLOGICAL TIME

Age and genesis of the metamorphic and crystalline schists of the Upper Racha. [illegible] Izv. Geol. ob-va Gruz. [illegible] '64.

CAUCASUS—GEOLOGY

Geology of the [illegible] region and adjacent areas. V.[illegible] Izv. Geol. ob-va Gruz. 2 no.2:[illegible] '61.

CAUCASUS—HOMOPTERA

[illegible] of [illegible] (Tabanidae) in the western part of the Greater Caucasus with the description of a new genus. [illegible] Biul. MOIP. Otd. biol. 69 no.3:[illegible] My-Je '64.

CAUCASUS—MINERAL WATERS

Mineral waters of the southern slope of the Greater Caucasus (Georgia). [illegible] Izv. Geol. obva Gruz. 3 no.2:[illegible] '64.

CAUCASUS—OIL SANDS—ANALYSIS

[illegible] of the Upper [illegible] of the western Caucasus. [illegible]

Upper Jurassic reefs of the Northern Caucasus. A A. Arbatov. Neftegaz. geol, i geofiz no. 11:3-6 '63.

CAUCASUS, NORTHERN—IRRIGATION FARMING

A high return from capital investments in irrigation K. Kornev. Ekon. sel'khoz. 35 no. 1 12-24 Ja '64.

CAUCASUS, NORTHERN—LITERATURES

Contemporary literatures of the Northern Caucasus R Kh Trakho Mat i soob Iasl otd Inst po izuch SSSR no. 48 184-198 '63

CAUCASUS, NORTHERN—RUNOFF

Synchronism of the annual runoff of large rivers of Northern Caucasus and Georgia and correlative relationship between the rivers. T.V Shvelidze, N.S. Mdivani. Trudy Inst. energ. AN Gruz. SSR 17:31-38 '63

CAUCASUS, NORTHERN—SOCIAL SCIENCE RESEARCH

The first session of the "Committee on Social Sciences" of the Northern Caucasus. E. I. Demeshina, I. P. Khlystov. Ist. SSSR 7 no. 2 226-227 Mr-Ap '63.

CAUCASUS, NORTHERN—TRILOBITES

New Middle Ordovician trilobites Shumardia of the Northern Caucasus. M. N. Koroleva Paleont zhur no. 1:71-75 '64.

CAUCASUS, NORTHERN—WATER, UNDERGROUND

Underground waters of the Khvalynian and Khazar sediments of eastern Ciscaucasia A M Nikanorov Izv vys ucheb zav, neft' i gaz 6 no. 5 9-14 '63

CAUSATION

Results of the discussion on the problem of causality in medicine O V Kerbikov Vest AMN SSSR 18 no 8 93-95 '63

CAVE FAUNA see subdivision under Caucasus

CAVES

(see also subdivision under Abkhazia)

Rubel', R. B. [In mountains and caves] V gorakh i peshcherakh. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 145 p.

CAVITATION

Erosion effect caused by stalling cavitation and acoustic oscillations in the liquid. L. B. Kotliarskii, V M. Fridman. Izv. AN SSSR Mekh. i mashinostr. no. 3:162-165 My-Je '64.

CECUM—DISEASES

Perforation of the cecum in a newborn infant Z P Kudriavtsev. Vest khir 91 no. 10:102 O '63

CELL DIVISION (BIOLOGY)

Some destructive and regenerative processes in the liver following starvation. T. A. Zaletaeva. Biul. eksp. biol. i med. 56 no. 8:112-115 Ag '63.

The 24-hour rhythm of mitoses in various organs of embryos of white mice and rats. N. V. Krasil'nikova. Biul. eksp. biol. i med. 56 no. 8:93-97 Ag '63.

CELL METABOLISM

Effect of some metabolic poisons of the respiratory chain on the ultraviolet fluorescence of cells. M. S. Shudel' and others. Dokl. AN SSSR 157 no. 2:447-450 Jl '64.

CELL NUCLEI

Direct participation of the cell nucleus in the secretory protein of the parotid salivary gland. V. IA. Brodskii, V. B. Ivanov N. V. Nechaeva. Dokl. AN SSSR 157 no. 2:443-446 Jl '64.

DNA synthesis and multiplication of nuclei in the regeneration of the somatic musculature [with summary in English]. L. N. Zhinkin, L F. Andreeva. Arkh. anat., gist. i embr. 44 no. 6:30-39 Je '63.

Electron microscopic study of the macronuclei of certain infusorians. V. F. Mashanskii. Sbor. rab. Inst. tsit. no. 3:3-8 '63.

Method for isolating cell nuclei from embryos and seedlings of wheat in glycerin solutions. N A. Vasil'eva, L. N Gofshtein. Dokl AN SSSR 157 no 3:696-698 Jl '64.

A new karyotype in lilies. K. IU. Kostriukova. Dokl. AN SSSR 157 no. 2:454-456 Jl '64.

Nuclear apparatus and division of Remanella granulosa Kahl and Remanella rugosa Kahl (Holotricha, Gymnostomatida). I. B. Raikov. Sbor. rab. Inst. tsit. no. 3: 20-34 '63.

Relative biological effectiveness of gamma rays as compared with the action of X rays on the human cell nucleus in tissue culture. N. P. Dubinin, L. G. Dubinina. Radiobiologiia 3 no. 6:833-846 '63.

The plasma-nucleus ratio in the cells of various tissues of vertebrates under the conditions of normal nutrition and in starvation. K. G. Vibe. Trudy TSel. sel'khoz. inst. 1:101-118 '63.

CELLS

Correlation of the mass of energy-producing and functioning structures in the adaptation process of the differentiated cell to a prolonged increase in functional level. F. Z Meerson and others Dokl AN SSSR 157 no 3 668-671 Jl '64.

application of the injurious action of heat to the cell. N. I. Arronet. Dokl AN SSSR 157 no. 2, 437-439 Jl '64.

Qualitative analysis of some characteristics of the yeast cell restoration after irradiation. V S Barsukov. Radiobiologiia 3 no. 6 795-802 '63

Shifts in the absorptive capacity and isoelectric point of thyroid cells during the action of 6-methylthiouracil. B. V. Aleshin, IU. B Krivobok. Biul. eksp biol. i med. 56 no. 8:101-105 Ag '63.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Factors influencing the effectiveness of cellulose carboxymethylation Ch. D Dkharilal and others Zhur. prikl khim. 37 no 5:1099-1105 My '64.

Some data on the effect of trace elements on the splitting of cellulose V A Moiseev Vest AN Kazakh SSR 19 no 6 40-45 Je '63

Synthesis of sulfo derivatives of cellulose D. L Snezhko, A. D Virnik, Z. A. Rogovin Zhur prikl khim 37 no 5:1156-1158 My '64

Wetting of cellulose with liquids D. V Zharkovskii, S M Emel'ianov Vestsi AN BSSR Ser fiz-tekh. nav no. 1 61-64 '64

CELLULOSE ACETATES

Degradation of cellulose triacetate in the process of acetylation in the presence of benzene E P Kuznetsova, N I Klenkova. Zhur. prikl. khim. 37 no 5:1073-1080 My '64.

CEMBRENE

Presence of cembrene in the oleoresin of Larix sibirica Ledb. A. I. Lisina. Izv Sib otd. AN SSSR no. 3:120-121 '62.

CEMENT

(see also subdivision under Shebelinka Gas Field)

Active mineral additives to binders Biul stroi. tekh. 21 no 1:16-18 Ja '64

Expanding cement based on a burnt alunitized rock. T. G. Gabadadze, K. S. Kutateladze. Soob. AN Gruz. SSR 33 no. 1:109-116 Ja '64.

CEMENT—TRANSPORTATION

Results of operating a cement lorry. V. N. Boguslavskii. Stroi. i dor. mash. 8 no. 12:11-14 D '63.

CEMENT INDUSTRIES see subdivision under Siberia, Eastern

CEMENT INDUSTRIES—EQUIPMENT AND SUPPLIES

Leningrad. Vsesoiuznyi nauchno-issledovatel'skii i proektnyi institut tsementnoi promyshlennosti. [Exchange of experience in the cement industry] Sbornik po obmenu opytom v tsementnoi promyshlennosti. Moskva, TSentr. in-t nauchnoi informatsii po stroitel'stvu i arkhitekture AS i A SSSR

No. 1-2. 1960. 2 v.

[MICROFILM]

CEMENT PLANTS—EQUIPMENT AND SUPPLIES

Longevity and reliability of cement equipment O A. Nesvizhskii. Stroi. i dor. mash. 8 no. 12 42-44 D '63.

CENSUS

Facts speak A Tiutin Nar. obr. no 6:106-108 Je '64

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL RUSSIAN DEPRESSION—ELECTROMAGNETIC PROSPECTING

Magnetotelluric sounding in the Central Russian Depression. B. M. IAnovskii and others. Izv. AN SSSR. Ser. geofiz. no. 7:999-1006 Jl '64.

CENTRIFUGAL CASTING

Ivanov, V. G., B. D. Khakhalin, and V. G. Shitan. [Steel molds for the centrifugal casting of pipe] Stal'nye formy dlia tsentrobezhnogo lit'ia trub. Moskva, Izd-vo "Metallurgiia," 1964. 70 p.

CENTRIFUGES

Centrifuges for producing reinforced concrete pipes. L. A. Volkov. Stroi. i dor. mash. 8 no. 12:24-27 D '63.

Differential reductor for worm-type centrifuges. I. A. Fainerman. Vest. mashinostr. 44 no. 2:10-15 F '64.

New book on centrifuges. G. A Finkel'shtein. Khim. mashinostr. no. 1:47 Ja '63.

CERAMIC INDUSTRIES

Tasks of the glass and ceramic industries for 1964-1965. Stek. i ker. 21 no. 1:1-4 Ja '64.

CERAMIC METALS

Use of ceramic metal parts in the manufacture of diesel locomotives. A. T. TSyrkin, M. M. L'vovskii. Mashinostroenie no. 1:16-17 Ja-F '64.

CERAMICS

Elastic expansion, pressing of air, and effectiveness of deaeration during molding of ceramic wares I. V Kondrashev, R IA Popil'skii Stek i ker. 21 no 1: 17-22 Ja '64

Existence of adsorption effect in systems used in the technology of hot casting of ceramics. V P. [illegible], M N. Kulygina. Zhur prikl khim. 37 no 5:[illegible] My '64.

Porous ceramics with a high alumina content and increased gas permeability V D TSigler, [illegible] Stek. i ker 21 no 1 24-26 Ja '64

CERAMICS—BIBLIOGRAPHY see Bibliography—Ceramics

CEREBELLUM

Microradioautography of the cerebellum and pons Varolii Kh A Getsel' Nerv sist. no. 3:28-[illegible]

Nonspecific influence of the cerebellum on the cerebral cortex V V. Fanardzhian Dokl AN Arm SSR [illegible] no 5 311-314 '63

CEREBELLUM—SURGERY

Effect of removal of the neocerebellum on situational conditioned reflexes in dogs I V Maliukova Zhur vys nerv deiat. 13 no 6 1052-1058 N-D '63

Electrical activity of the cerebral cortex after total removal of the cerebellum in cats. Zhur vys nerv deiat 13 no. 6 1059-1070 N-D '63

CEREBRAL CORTEX

Changes in the electrical activity in various sections of the cerebral cortex during the performance of muscular work M P Ivanova Zhur vys nerv deiat 13 no [illegible] 972-979 N-D '63

Characteristics of cortical regulation of the [illegible] thalamic nucleus. A. G Rabin. Dokl. AN SSSR [illegible] no. 2:178-180 My '64.

Nonspecific influence of the cerebellum on the cerebral cortex V V Fanardzhian Dokl. AN Arm. SSR [illegible] no 5 311-314 '63

Role of the bilateral activity of the cerebral hemispheres in the regulation of mammary gland function I I. Grachev. Nerv. sist. no 3:110-116 '62.

Significance of rapid fluctuations of the potential in the mechanism of closing the temporary connection. R. S. Mnukhina. Nerv. sist no 3:119-124 '62.

CEREBRAL CORTEX—DISEASES

Clinical dynamics of the so-called organic psychopathies [illegible] catamnestic data. I. L Kulev Zhur. nevr. i psikh. 64 no. 5 730-734 '64.

CEREBRAL CORTEX—WOUNDS AND INJURIES

Changes in motor food conditioned reflexes in pigeons following lesion of the paleocortex. N L [illegible] Zhur vys nerv. deiat 13 no 6 1077-1086 N-D '63

CEREBRAL PALSY

Effect of aminazine and parsidol on the coordination of movements in cerebral palsy in children. A. I. [illegible]baum. Zhur. nevr. i psikh. 63 no. 7:995-999 '63.

Review of the book "Kernicterus and its significance in cerebral palsy. Conference of the American Academy for Cerebral Palsy". D. O. Futer. Zhur. nevr. i psikh. 63 no. 7:1112-1114 '63.

Some emotional characteristics of children with cerebral palsy. E. I. Kirichenko. Zhur. nevr. i psikh. 63 no. [illegible] 1072-1077 '63.

Use of metamysin in cerebral palsy with hyperkinetic syndrome in children. V. N. Shashurina. Zhur. nevr. i psikh. 63 no. 7:991-994 '63.

CEREBROSIDES

Content of cerebrosides in the brain of rats of different ages. N. P. Taranova. Vest. LGU 19 no. 9:97-101 '64.

Method of isolation of cerebrosides and determination of their specific activity. N. F. Taranova. Nerv. sist no. 3:21-27 '62.

CEREBROSPINAL FLUID

Photometric determination of proteins in the cerebrospinal fluid. K. S. Kosiakov. Lab. delo no 6 337-339 '64.

CEREBROVASCULAR DISEASE

Blood coagulation system and the use of anticoagulants in cerebrovascular disorders. P. M. Al'perin and others Zhur. nevr. i psikh. 64 no. 5:675-679 '64.

Cerebrovascular disorders in myocardial infarct; autopsy data. O. S. Nikonova, E. A. Stepanova. Zhur. nevr. i psikh. 64 no. 5 667-669 '64

Disorders of cerebral circulation as a result of an injury of the large cervical blood vessels K. R. Abashidze. Sud.-med. ekspert 7 no. 2:54-55 Ap-Je '64.

Dynamics of facial nerve lesions in the early period following cerebrovascular disorders, clinical and electromyographic study. B. A. Buletsa. Zhur. nevr. i psikh. 64 no. 5:707-711 '64.

Functional stenosis of the regional arterial system of the brain (internal carotid and vertebral arteries) as a cause of cerebrovascular disorders, experimental studies. G. I. Mchedlishvili. Zhur. nevr. i psikh. 64 no. 5:663-666 '64.

CEREBROVASCULAR—DISEASE (Continued)

Memory disturbances in cerebrovascular disorders of the vertebro-basilar system. D.K Lunev, G.A Maksudov I F Nikolaeva. Zhur nevr. i psikh 64 no 5 641-646 '64.

Myocardial infarctions with serious disorders of cerebral circulation, acute rhythm disorders and perforation of the interventricular septum. M A. IAsinovskii, G F. Boiko. Trudy Inst klin i eksper. kard AN Gruz. SSR 8:341-347 '63.

Role of otoneurological tests in the diagnosis of cerebrovascular disorders with clinical symptoms of tumor syndromes A. M. Pulatov Zhur nevr i psikh 64 no 5 647-653 '64

CERIUM

Oxidation potential in the system ceric - cerous - nitric acid - water - tributyl phosphate I M Batiaev, M S Zakhar'evskii. Vest LGU 19 no 10 81-89 '64.

CERIUM SELENIDES

Interaction of $A^{III}_2B^{VI}_3$ type cerium and gallium selenides. G. Kh. Efendiev, Z. Sh. Karaev, I O. Nasibov. Izv. AN SSSR. Ser. fiz. 28 no. 6:1103-1106 Je '64.

CERYL ALCOHOL

Transformations of lignoceryl alcohol. M. V. Vasil'eva, A. M. Khaletskii. Zhur. ob. khim. 34 no. 6:1771-1772 Je '64.

CESIUM CHLORIDE

Production of cesium hydroxide by electrolysis of cesium chloride in an electrolyzer with a horizontal filtering diaphragm. S I, Skliarenko and others Zhur prikl khim 37 no. 5:1036-1041 My '64.

CESIUM HYDROXIDE

Production of cesium hydroxide by electrolysis of cesium chloride in an electrolyzer with a horizontal filtering diaphragm. S I, Skliarenko and others Zhur. prikl. khim. 37 no. 5:1036-1041 My '64.

CESIUM IODIDE CRYSTALS

Selective etching of cesium iodide crystals. A. A. Urusovskaia. Kristallografiia 8 no. 1.75-78 Ja-F '63.

CESIUM ISOTOPES

Self-purification of water from cesium-137 in bodies of water with slow circulation at different speeds and volume of water and cesium concentration A. L. Agre, I. V. Molchanova, N. V. Timofeev-Resovskii. Biul. MOIP. Otd. biol. 69 no. 3:20-24 My-Je '64.

CESIUM NITRATE

Infrared spectra and structure of complex compounds of uranyl nitrate with cesium and pyridinium nitrates. A. A. Lipovskii, M. G. Kuzina. Radiokhimiia 5 no 6: 668-674 '63.

CESTODA

(see also subdivision under Barents Sea)

Cadmium salts as anthelmintics in cestodiasis of dogs. V. T Ramazanov. Vest sel'khoz nauki (Kazakh.) 7 no. 6 77-83 Je '64

Searching for methods of treating hymenolepiasis in ducks. V V. Mincev Vest sel'khoz nauki (Kazakh) 7 no 6 83-87 Je '64

CETACEA, FOSSIL

Is there a convergence or a parallelism in the evolution of Cetacea? A. V IAblokov, Paleont. zhur, no. 1:97-106 '64.

CEYLON—INVESTMENTS, FOREIGN

A blow to foreign monopolies. K. D'iachenko. Mir ekon. i mezhdunar. otn no. 7·95-97 '64.

CEYLON—PETROLEUM INDUSTRY

A blow to foreign monopolies K. D'iachenko, Mir. ekon i mezhdunar. otn. no. 7 95-97 '64

CHALCID FLIES

Encyrtidae (Hymenoptera), parasites of Dryinidae (Hymenoptera) in the U S. S. R. V. A Triapitsyn. Zool zhur. 43 no. 1.142-145 '64.

CHALCOGENIDES—ELECTRIC PROPERTIES

Electric conductivity of copper-containing chalcogenide glasses. A. V. Danilov. Zhur. prikl. khim. 37 no. 5: 1122-1125 My '64.

CHALCOPYRITE see subdivision under Blyava region; Ural Mountain region

CHALK see subdivision under Sozh Valley

CHANGKUFENG INCIDENT, 1938

Failure of an adventure of Japanese militarists. Voen.-ist. zhur. 5 no. 7:125-127 Jl '63.

CHARADRIIFORMES

Propatagium apparatus in Charadriiformes (Aves). K. A. IUdin. Trudy Zool. inst 33 212-255 '64

CHARCOAL

Oxidation of charcoal by air in an alkaline medium. K. V. Kisin, A. G. Rembashevskii. Zhur. prikl. khim. 37 no. 5:1135-1139 My '64.

CHARNOCKITE see subdivision under Dnieper Valley

CHARTAK (UZBEKISTAN)—SUNBATHS

Use of helioaerotherapy under E. A. Cherniavskii's jalousies in the compound treatment of lesions of the joints in Chartak T. V Tolkacheva. Sbor. trud Uz. gos nauch.-issl inst. kur i fizioter 17 135-142 '62

CHAUN BAY REGION—GEOLOGY, STRATIGRAPHIC

Quaternary deposits in the Chaun Bay region. K. V. Paraketsov. Zap. Chuk. kraeved. muz. no. 2 15-59 '61.

CHEBOKSARY—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Eliminate deficiencies in the construction of the Cheboksary Chemical Combine. V. Danilov. Fin. SSSR 38 no. 7:66-67 Jl '64.

CHEBYSHEV POLYNOMIALS

Some properties of classical polynomials and their application to contact problems G IA. Popov, Prikl mat. i mekh. 28 no. 3:442-451 My-Je '64.

"Trigonometric" Chebyshev polynomials are also hyperbolic. E. IA. Remez. Ukr. mat. zhur. 16 no. 3: 406-408 '64.

CHECHEN-INGUSH A. S. S. R.—HISTORIOGRAPHY

Vinogradov, V. B., I. K. Losev, and A. A. Salamov. [Chechen-Ingush A. S. S R. in Soviet historical science; bibliographical review] Checheno-Ingushetiia v sovetskoi istoricheskoi nauke, kritiko-bibliograficheskii obzor. Groznyi, 1963. 80 p. (Groznyi. Checheno-Ingushskii nauchno-issledovatel'skii institut istorii, iazyka i literatury. Trudy, vol. 8, no. 1)

CHECHEN-INGUSH A. S. S. R.—PETROLEUM GEOLOGY

Similarity in the structure and productivity of Groznyy and Iranian pools. G N Maksimovich Neft. khoz. 41 no. 11:32-35 N '63.

CHECHEN LITERATURE—HISTORY AND CRITICISM

[Outline history of Chechen-Ingush literature] Ocherk istorii checheno-ingushskoi literatury. [Groznyi] Checheno-ingushskoe knizhnoe izd-vo, 1963. 238 p. (MH)

CHECKERS

Checkers across centuries and countries. IU. Barskii. Sem'ia i shkola 19 no. 5:44-45 My '64.

CHEESE

Digestion of cheese proteins in vitro. Sh. G. Gonashvili. Vop. pit 22 no 6 9-12 N-D '63

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Aleksandrov, B. I. [A. P. Chekhov, a seminar. A textbook for students] A. P. Chekhov; seminarii. Izd. 2., dop. i perer. Posobie dlia studentov. Moskva, Prosveshchenie, 1964. 213 p.

Chekhov, A. P. [Collected works in twelve volumes] Sobranie sochinenii v dvenadtsati tomakh. Pod obshchei red. V. V. Ermilova i dr. Moskva, Goslitizdat.
Vol. 11. [Letters, 1877-1892] Pis'ma, 1877-1892. 1963. 695 p.

CHEKHOV, ANTON PAVLOVICH, 1860-1904—CORRESPONDENCE, REMINISCENCES, ETC.

Teachers write to Chekhov. N. Podorol'skii. Nar. obr. no. 7·80-82 Jl '64

CHELEKEN PENINSULA—PETROLEUM—ANALYSIS

Investigating Aligul oil (Cheleken Peninsula). S. F. Moiseikov, V. S. Tolstonov, L. P. Proskurin. Trudy Turk. fil. VNII no 6:113-123 '63.

CHELYABINSK—FEED MILLS—ELECTRIC EQUIPMENT

Improving the electric circuits of the ZGS grain loader in the elevator of the Chelyabinsk Milling Combine. I. Virnik, G. Malykh. Muk.-elev. prom. 30 no. 2:17 F '64.

CHELYABINSK—FOUNDRIES—EQUIPMENT AND SUPPLIES

Swivel table with dust-prevention devices. S. A. Svetlov. Mashinostroitel' no. 5:9 My '64.

CHELYABINSK—MUSHROOMS

It is interesting to know. Sov. voin 46 no. 12:44 Je '64.

CHELYABINSK—TRACTOR INDUSTRY—HYGIENIC ASPECTS

Incidence of disease in elderly persons (50 years and older) and the temporary loss of their working capacity. O. G. Korniushkina. Zdrav. Ros. Feder. 8 no. 5:19-21 My '64.

CHELYABINSK BASIN—COAL MINES AND MINING

Span limit of the first caving of the main roof in Chelyabinsk Basin longwalls. I. A. Potukhov, S. A. Letov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:33-37 '64.

CHELYABINSK PROVINCE—INDUSTRIAL WASTES

Purification of industrial sewage in Chelyabinsk Province. L. A. Kunina. Okhr. prir. na Urale no. 2: 27-29 '61.

CHELYABINSK PROVINCE—MANUFACTURES

Bondarev, I. M. [For workers' benefit] Dlia blaga trudiashchikhsia. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 58 p.

CHELYABINSK PROVINCE—WATER—PURIFICATION

Purification of industrial sewage in Chelyabinsk Province. L. A. Kunina. Okhr. prir. na Urale no. 2 27-29 '61.

CHELYABINSK PROVINCE—WHEAT—CLEANING

Wild oat separators at the drying and cleaning tower Ik of the Chelyabinsk Milling Combine. I. Virnik. Muk.-elev. prom. 30 no. 4 17 Ap '64.

CHEMICAL APPARATUS

Analyzing the separation of suspensions in the NOGSh-type centrifuge with a plate package M. M. Vasil'ev. Khim. mashinostr no 1.14-17 Ja '63.

New machinery, apparatus and instruments. Khim. mashinostr. no. 1 43-45 Ja '63.

Welding of chemical apparatus made from titanium. S. K. Pavliuk, F. M. Tuchinskii. Khim. mashinostr. no. 1.34-3. Ja '63

CHEMICAL BONDS

Bonding energy of hypertritium in the case of nonlocal interaction I Sh Vashakidze, G A. Chilashvili Dokl. AN SSSR 157 no 3.557-560 Jl '64

Break in the 1, 3-bonds in dextran by enzymatic preparations from animal and human liver A S. Saenko and others Dokl AN SSSR 157 no 3 723-724 Jl '64.

Heats of formation and the nature of chemical bonds in transition metal silicides. IU. M Golutvin. Zhur. fiz khim. 36 no. 6:1315-1318 Je '62.

Nature of the chemical bond in semiconducting compounds $A^{III}B^{V}$. IA. A. Ugai, E. P. Domashevskaia. Dokl. AN SSSR 156 no. 2 430-433 My '64.

CHEMICAL COMPOUNDS

Sviridov, V. V. [Photochemistry and radiochemistry of solid inorganic substances] Fotokhimiia i radiatsionnaia khimiia tverdykh neorganicheskikh veshchestv. Minsk, Izd-vo "Vysshaia shkola."
Pt. 1. 1964. 387 p.

CHEMICAL ELEMENTS

Some characteristics of the behavior of chemical elements in the supergene cycle of migration K I Lukashev Vestsi AN BSSR. Ser. fiz.-tekh. nav no 1· 65-73 '64

Vasil'ev, M. V. [Familiar strangers; chemical elements of the earth, water and air] Znakomye neznakomtsy; elementy zemli, vody i vozdukha. Moskva, Sovetskaia Rossiia, 1964. 343 p.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. no. 7 Jl '64.

CHEMICAL EQUILIBRIUM

Composition and equilibria in aqueous solutions of carboxylic acids. N. G. Zarakhani, M. I. Vinnik. Zhur. fiz. khim. 38 no. 3:632-638 Mr '64.

CHEMICAL INDUSTRIES

(see also subdivision under Bashkiria; Europe, Eastern; Italy; Lisichansk, Lugansk Province; Lithuania; Ukraine)

Agricultural problems of the Soviet chemical industry. G A. Vvedenskii Mat. i soob. Issl otd. Inst po izuch SSSR no. 53/54 1-18 Ja-F '64.

At the technical and economic meeting of the Donets Council of National Economy. L. S. Piliukhanov, A. P. Vol'pert. Ugol' Ukr. 8 no. 5:53-54 My '64.

Basic trends in the development of the chemical industries in the countries of Western Europe. Khim. prom. [Ukr.] no. 1 92-94 Ja-Mr '63.

Chemization of the coal industry. V. S. Kaminskii. Ugol' 39 no. 6:6-12 Je '64.

Designers and metallurgists are aiding chemists. I. Belitskii, I. Naumenko. Radio no. 3:3 Mr '64.

[Development of chemistry is a matter of our honor] Podniat' khimiiu - delo nashei chesti. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 90 p. (Pretvorim v zhizn' resheniia XXII s"ezda KPSS)
[MICROFILM]

N. V. Dolektorskii's "Organization and planning of labor and wages of chemical enterprises," M. F. Naumenko. Khim. prom. no. 4:310-311 Ap '64.

New features in the organization of the chemical industry. A. Pushkin. Mir. ekon. i mezhdunar. otn. no. 7: 138-143 '64.

The science library of Moscow University aids the development of chemistry. A. M. Khar'kova. Sov. bibl. no. 3:108-110 '64.

CHEMICAL INDUSTRIES—BIBLIOGRAPHY see Bibliography—Chemical industries

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Apparatus for mixing samples for the spectral analysis. V. IA. Shvartsman Khim. prom. [Ukr.] no. 1.68-69 Ja-Mr '63

CHEMICAL INDUSTRIES—FINANCE
(see also subdivision under Krasnoyarsk Territory)

[illegible] prehensive use of chemistry in the national economy and finances. R V[illegible] Fin SSSR 38 no 7:8-16 Jl '64

CHEMICAL INDUSTRIES—FIRES AND FIRE PREVENTION

[illegible] measures in the production [illegible] works. N. P Smirnova [illegible] 3 [illegible]-49 '63

[illegible] of acetylene with the [illegible] G. D [illegible] G A Dom[illegible] 3 13-20 '63

[illegible] of phthalic anhydride and [illegible] I. M Rudnik [illegible] 3 [illegible]-36 '63

CHEMICAL INDUSTRIES—PRODUCTION STANDARDS
Vishnevskii, S.N. [Norm setting for chemical products] Normirovanie khimicheskikh produktov. Moskva, Ekonomika, 1964. 182 p.

CHEMICAL LABORATORIES
First scientific research laboratory in Russia. Khim. i tekh. topl. i masel 7 no.10 72-73 O '62.

CHEMICAL MACHINERY
(see also subdivision under Kazakhstan, Poland)

Blenders for free flowing materials A N. Lastovtsev. A. I. Kuval'no, IU I Makarov Khim. mashinostr. no 1 7-9 Ja '63

Equipment modernization is an important means for increasing the output of chemical production M D Mazo. Khim. mashinostr. no 1 3-5 Ja '63.

Fertility conveyor. Kommunist 41 no. 9:35-41 Je '64.

New machinery apparatus and instruments. Khim. mashinostr no 1 43-45 Ja '63

Potentials of machinery manufacturing should be applied to serve the chemicalization of the national economy K. Vinogradov Vop ekon no 7 12-20 Jl '64

Prospects of the development and introduction of the new types of steel in the manufacture of chemical machinery M B Shapiro, A L Belinkii N I Moskvin Khim. mashinostr no 1:26-31 Ja '63.

Studying the carrying capacity of cylindrical shells and improving the methodology for their design. V A Freitag Khim. mashinostr no 1,40-48 Ja '63.

CHEMICAL MACHINERY—BIBLIOGRAPHY see Bibliography—Chemical machinery

CHEMICAL MACHINERY—COOLING
Destruction of slime pipe coolers by thermal fatigue. L G Sviagina. Khim. mashinostr. no 1,38-39 Ja '63.

CHEMICAL MACHINERY—DESIGN AND CONSTRUCTION
Let's put into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Khim. mashinostr. no 1 1-2 Ja '63

CHEMICAL MACHINERY—HYDRAULIC DRIVE
Hydraulic turning device G F. Gruznov. Khim mashinostr no 1,9-11 Ja '63

CHEMICAL MACHINERY—PATENTS
Patents Khim. mashinostr. no 1·46 Ja '63.

CHEMICAL PLANTS
(see also subdivision under Volkhov, Leningrad Province)

Measures for improving the management of the construction of enterprises of the chemical industry. Biul. stroi tekh 21 no 1 1-3 Ja '64.

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION see subdivision under Cheboksary, Gur'yev; United States

CHEMICAL REACTION, RATE OF
Activation energy of radical reactions. IU L. Spirin. Zhur. fiz. khim. 36 no. 6:1202-1204 Je '62

Dynamics of unsteady physicochemical processes in a flow in the case of the process rate obeying the bimolecular reaction law. G. M. Panchenkov. Zhur. fiz. khim. 38 no.3:770-773 Mr '64.

Effect of ionized radiation on the kinetics of butane oxidation. Part 2. N. A Slavinskaia and others Zhur. [illegible] 6:1203-1208 Je '62

Periodic oxidizing reactions in the liquid phase. A M. Zhabotinskii. Dokl. AN SSSR 157 no. 2 392-395 Jl '64

Possibility of absolute measurements of the rates of electrochemical reactions. S.V Gorbachev, A P. Kravchinskii Zhur. fiz khim. 38 no 3·780-793 Mr '64.

Sapozhnikova, N.V. [Kinetics of chemical reactions in solutions; a manual] Kinetika khimicheskikh reaktsii v rastvorakh; uchebnoe posobie. Sverdlovsk, Ural'skii politekhn. In-t im. S. M. Kirova, 1963. 133 p. [MICROFILM]

CHEMICAL REACTIONS
Effect of temperature, space velocity, and properties of the catalysts on the conversion of methanol to formaldehyde in a fluidized bed A I Vitvitskii, I P Mukhlenov, A. IA Averbukh. Zhur. prikl. khim 37 no. 5:984-988 My '64

Mechanism of reactions in the solid phase K. S. Kutateladze Zhur prikl. khim 37 no 5:1009-1013 My '64.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL RESEARCH see subdivision under Ukraine

CHEMICAL STRUCTURE
Interrelation between the width of the forbidden zone and Gibbs' energy of nonmetallic solids K. A Sharifov, A.S. Abbasov. Dokl. AN SSSR 157 no 2. 430-432 Jl '64

Zhdanov, IU. A. [Inversion method in organic chemistry] Obrashchenie metoda v organicheskoi khimii. [Rostov-na-Donu] Rostovskii univ., 1963 62 p. [MICROFILM]

CHEMICAL WARFARE
Chemical weapons I Aleksandrov Voen znan 40 no 6 33-34 Je '64

CHEMICAL WARFARE—SAFETY MEASURES
In the struggle for an expert company D Sviiazov Voen vest 42 no 12 100-103 D '62

Purposeful work A. Val'kov Voen vest 42 no 12:103-106 D '62.

Special treatment. I. Kantyrev Starsh.-serzh. no. 6: 28-29 Je '64.

CHEMICAL WORKERS—EDUCATION AND TRAINING see subdivision under Rozdol (Lvov Province)

CHEMICALS INDUSTRY
Duty of all the people. Ugol' Ukr. 8 no. 4:1-2 Ap '64.

CHEMISTRY
Chemistry and the petroleum industry. N. K. Baibakov Mash. i neft. obor no. 1:3-6 '64.

Moldaver, T. I. [Chemistry around us] Khimiia riadom. Moskva, Izd-vo "Znanie," 1964. 38 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, no. 6)

CHEMISTRY—ABSTRACTS
[Chemistry] Ref. zhur.: Khim. no.10 My '64.

CHEMISTRY—AUDIO-VISUAL AIDS see subdivision under Ukraine

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—PERIODICALS
Information about the journal "Chistaia i prikladnaia khimiia." V.N. Kondrat'ev. Zhur. fiz. khim. 37 no.4: 950-951 Ap '63

CHEMISTRY—STUDY AND TEACHING
(see also subdivision under Bashkiria)

Let's inculcate a knowledge of chemistry into the masses. N. Dolenko. Shkola i proizv. 8 no. 5.91 My '64.

CHEMISTRY, ANALYTICAL
Analysis of three-component solvent mixtures. A. E. Nesterov, R. V. Voitsekhivs'kyi Khim prom [Ukr.] no. 1:69-72 Ja-Mr '63

Nitritometric titration with internal indicators [with summary in English]. L. N. Guseva. Apt. delo 12 no. 2:44-50 Mr-Ap '63.

Vladimirov, L. V., ed. [New methods of analysis and study in basic chemistry] Novye metody analiza i issledovaniia v osnovnoi khimii, sbornik trudov. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1962. 95 p. [MICROFILM]

CHEMISTRY, FORENSIC
Possibility of determining a live birth in saprogenic changes in the lungs. G. A. Pashinian. Sud.-med. ekspert. 7 no.2 22-23 Ap-Je '64.

Quantitative determination of alkaloids in biological material. V. P. Kramarenko Farmatsev zhur. 18 no 4 65-70 '63.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL
Determination of arsenic admixtures in pharmaceutical preparations. Report No. 2. I. N. Biriukova. Apt. delo 11 no. 6:69-73 N-D '62.

Methodology of determining fuchsin in drug mixtures. IU. M. Sukhlitskaia, N. A. Belevich. Apt. delo 12 no. 2:75-77 Mr-Ap '63.

Qualitative determination of medicinal substances in mixtures by the crystalline coating method [with summary in English]. V. G. Rubinskaia, N. A Figurovskii. Apt. delo 11 no. 6 37-42 N-D '62.

Quantitative determination of the ingredients of ointments having polyethylene oxide base [with summary in English]. V. K. Kovalenko, G. IA. Khaut. Apt. delo 11 no. 6 32-36 N-D '62.

Some biochemical changes in chronic nephritis. Dzh. A. Gevorkian. Izv. AN Arm. SSR. Biol. nauki 16 no. 5:39-46 '63

Use of tropeolin 00 for photocolorimetric determination of belladonna extract in drug mixtures. O. J. Kalejs, D. A. Pakalns. Apt. delo 11 no. 6:66-69 N-D '62.

CHEMISTRY, METALLURGIC
Kinetic characteristics of the C + O=CO reaction developing at the surface of bubbles of a boiling bath V V Pavlov, S. I Popel'. Izv. vys. ucheb. zav.; chern. met. 7 no 6 5-10 '64

CHEMISTRY, ORGANIC
Lizogub, A. P. [Spectrum analysis in organic chemistry] Spektral'nyi analiz v organicheskoi khimii. Kiev, Izd-vo "Tekhnika," 1964. 231 p.

CHEMISTRY, ORGANIC—SYNTHESIS
(see also subdivision under France)

Depsipeptides. Part 16: Paths in the synthesis of optically active linear depsipeptides. M. M. Shemiakin and others. Zhur. ob. khim. 34 no. 6:1782-1787 Je '64.

Synthesis of heterocyclic compounds based on E. Fischer's reaction. Part 3: Catalysis of an "abnormal" course of reaction. IU. P. Kitaev, T. V. Troepol'skaia, A. E. Arbuzov. Zhur. ob. khim. 34 no. 6·1838-1843 Je '64.

Ugriumov, P. G., and A. IA. Averbukh. [Organic synthesis in industry, a manual for teachers and students of pedagogical institutes] Organicheskii sintez v promyshlennosti; posobie dlia uchitelei i studentov pedagogicheskikh institutov. Izd. 2., perer. i dop. Moskva, Prosveshchenie, 1964. 318 p.

Zhdanov, IU. A. [Inversion method in organic chemistry] Obrashchenie metoda v organicheskoi khimii. [Rostov-na-Donu] Rostovskii univ., 1963. 62 p. [MICROFILM]

CHEMISTRY, PHYSICAL AND THEORETICAL
Comments on the kinetic theory of liquids. I. Z. Fisher. Zhur. fiz. khim. 38 no. 3:778-780 Mr '64.

Physical chemistry of concentrated ozone. Part 14. V. P. Egorov, V. P. Lebedev, N. I. Kobozev. Zhur. fiz. khim. 37 no. 4:922-924 Ap '63.

CHEMISTRY, PHYSICAL AND THEORETICAL—LABORATORY MANUALS
Gorki. Politekhnicheskii institut. [Laboratory work in physical chemistry] Praktikum po fizicheskoi khimii. Gor'kii.

No. 3. Molodovskii, V. A., and A. L. Agafonova. [Solutions] Rastvory. 1963. 25 p.

No. 4. Molodovskii, V. A., and V. P. Granenova. [Molecular structure] Stroenie molekul. 1963. 19 p.

[MICROFILMS]

CHEMISTRY, PHYSICAL AND THEORETICAL—STUDY AND TEACHING
Let's take the periodic law and the theory of chemical structure as a basis of the course; continuing the conference by correspondence. V. P. Kornienko. Vest. vys. shkoly 22 no. 5:16-19 My '64.

CHEMISTRY, TECHNICAL
Beketov, V. P. [Amazing transformations] Udivitel'nye prevrashcheniia. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 57 p. (Populiarno-tekhnicheskaia seriia)

Emotions and facts. V. Azernikov. Nov. mir 39 no.10: 273-274 O '63.

CHEMISTRY, TECHNICAL—BIBLIOGRAPHY see Bibliography—Chemistry, Technical

CHERENKOV RADIATION
Bolotovskii, B. M. [Vavilov - Cherenkov luminescence] Svechenie Vavilova - Cherenkova. Moskva, Izd-vo "Nauka," 1964. 92 p.

CHERNIAVSKII, FEDOR IVANOVICH, 1904-
F. I. Cherniavskii; on his 60th birthday. Izv. vys. ucheb. zav., elektromekh. 7 no. 4:521 '64.

CHERNIGOV PROVINCE—CONCRETE PLANTS—DESIGN AND CONSTRUCTION
Plant for manufacturing precast reinforced concrete is being constructed. M. Naboka. Sil'. bud. 12 no. 12.10-11 D '62.

CHERNIGOV PROVINCE—DRYING APPARATUS
How to set up the work of tunnel driers. I. Zaika. Sil'. bud. 13 no. 3:16-17 Mr '63.

CHERNIGOV PROVINCE—TEACHING

Let's expand the inculcation of progressive pedagogical practices M A Mats'ko Rad shk 43 no 5 108 My '64

CHERNOBAEV, EVGENII ARKAD'EVICH

A careful instructor R Bondarevskii Voen znan. 40 no. 6 21 Je '64.

CHERNOVTSY PROVINCE see Bukovina

CHERNOZEM SOILS see subdivision under Moldavia, Siberia, Western

CHERNYSHEV, FEODOSII NIKOLAEVICH, 1856-1914

Karl Frantsevich Rul'e; Feodosii Nikolaevich Chernyshev, Eduard Suess. A.A.Shevyrev. Paleont.zhur no 2· 157-163 '64.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-

N. G. Chernyshevskii and modern times. V I. Kunin. Trudy MIIGAIK no 52·59-65 '62.

CHERRY

(see also subdivision under Ukraine, Western; Ural Mountain region)

Effect of instantaneous gamma and fast neutron irradiation of cuttings on the growth, development and morphological variability of the Vladimirovka cherry. G. N. Imamaliev. Radiobiologiia 3 no. 6:909-914 '63.

CHERRY FRUIT FLY see subdivision under Georgia

CHESS

Chess. Sov. voin 46 no. 11:44 Je '64.

Tournament of friends. N. Golovko. Sov. voin 46 no. 12:44 Je '64.

CHESS PROBLEMS

Chess. Sov. voin 46 no. 13 48 Jl '64.

CHEST—HERNIA

Combination of liver echinococcosis with a mediastinal dermoid cyst prolapsed into a hernia of the thoracic wall. Sh U. Aliev. Uch. zap. Stavr. gos med inst. 8 222-225 '63.

CHEST—SURGERY

Case of broncho-esophageal fistula following bilobectomy and thoracoplasty. IU. A. Muromskii, N. V. Kolerova. Vest. rent. i rad. 38 no. 3 74-75 My-Je '63.

Mechanism of the origin of a pleuropulmonary shock in intrathoracic surgery. N. I. Volod'ko, L. E. Pal'gova. Izv. AN Kazakh. SSR. Ser. med nauk no. 1.25-30 '64

CHILDREN

Reputation. S. Ezerskii. Sem'ia i shkola 10 no. 5:8-9 My '64.

CHILDREN—CARE AND HYGIENE

Lithuanian S. S. R. Sveikatos apsaugos ministerija. Respublikinis sanitarinio svietimo namai. [Let us protect children's health] Saugokime vaiku sveikata. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 166 p. [In Lithuanian]
(DNLM)

Luchina, K. I., comp. [Collection of the most important official materials on the hygiene of children and adolescents] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigieny detei i podrostkov. Moskva, Meditsina, 1964. 378 p.

Student's corner in an apartment. V. Strashnov. Zhil.-kom. khoz. 13 no. 10:27-29 O '63

Zabludovskaia, E. D. [Building up health in infants and children of preschool age] Zakalivanie rebenka rannego i doshkol'nogo vozrasta. Izd. 2., ispr. i dop. Moskva [In-t sanitarnogo prosveshcheniia] 1964. 69 p. (V pomoshch' lektoru)

CHILDREN—DISEASES

Clinical and therapeutic aspects of progressive muscular dystrophies in children. E. A. Edel'shtein, E. V. Sergeichuk. Zhur. nevr. i psikh. 63 no. 7:974-978 '63.

Clinical dynamics of the so-called organic psychopathies; catamnestic data. I. L. Kulev. Zhur. nevr. i psikh. 64 no. 5.730-734 '64.

Differential diagnosis of morphological changes in the intestine in dysentery and "coliente. itis" in breast-fed and very young children. V. V. Zarudin Trudy SMI 15:236-246 '62.

Dynamic study of the clinical aspects and biochemical activity of the brain in acute and late periods of closed cranial trauma in children. S. A. Mel'nikov, M. A. Ronkin. Zhur. nevr. i psikh. 63 no. 7:979-985 '63.

"Epilepsy in children and adolescents" by T. P. Simson and others. Reviewed by A. K. Mikhailov. Zhur. nevr. i psikh. 63 no. 7:1108-1109 '63.

Malignant tumors in children. E. D. Cherkasova. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8:95-98 '62.

Neural and mental disorders in children during corticosteroid treatment. V. N. Bondarev. Zhur. nevr. i psikh. 63 no. 7:1094-1098 '63.

Problem of neuroinfections in children at the First Congress of Neuropathologists and Psychiatrists of the R. S. F. S. R. (October 1962). Zhur. nevr. i psikh. 63 no. 7:1110-1112 '63.

Progress of the psychoneurological aid for children and adolescents in the U. S. S. R. M I. Lapides, M. S. Brono. Zhur. nevr. i psikh. 63 no. 7:1114-1115 '63.

Resistance of the staphylococcus to antibiotics and characteristics of the course of suppurative infections in children A. D. Khristich. Khirurgiia 40 no. 2: 24-29 F '64.

Schizophrenia in children, review of recent foreign monographic literature. M. S. Vrono and others. Zhur. nevr. i psikh. 63 no. 7:1102-1107 '63.

Some clinical characteristics of the initial stages of schizophrenia in children of the preschool age. L. IA. Zheztova. Zhur. nevr i psikh. 63 no. 7.1029-1035 '63.

Thermoregulation disorders in organic diseases of the nervous system in children. R. B. Sheidina, L. P. Trubacheva. Zhur. nevr. i psikh. 63 no. 7:1000-1003 '63

CHILDREN—MANAGEMENT

Reznikov, A. E., and A. A. Krestinskii. [Difficult children] O trudnykh detiakh. Moskva, Izd-vo "Znanie," 1964. 54 p. (Narodnyi universitet: Pedagogicheskii fakul'tet, no. 6)

Trust and exactingness A. Mosiakin Nar obr. no. 6· 84 Je '64

CHILDREN—NUTRITION see subdivision under Mangyshlak Peninsula

CHILDREN—SURGERY

Means of developing children's surgery. N. I. Krakovskii. Zdrav. Ros. Feder. 8 no. 5:3-4 My '64.

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

Mamin, D. N. [Selected works for children] Izbrannye proizvedeniia dlia detei. Moskva, Gos. izd-vo detskoi lit-ry M-va prosv. RSFSR, 1962. 446 p. (Shkol'naia biblioteka)
(MoU)

Motiashov, I. P. [Path to the book; guiding children's reading] Put' k knige; o rukovodstve detskim chteniem. Moskva, Izd-vo "Znanie," 1964. 110 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no. 4)

New books for children. Nar. obr no. 6·120-121 Je '64

New books for children. Nar. obr no. 7·120-121 Jl '64.

[On literature for children] O literature dlia detei. Leningrad, Detgiz.
No. 8. 1963. 204 p.

Reading on literary criticism in Leningrad. Nar obr no 6:124-126 Je '64.

CHILDREN'S LITERATURE—HISTORY AND CRITICISM

Among books. Sem'ia i shkola 19 no. 5:33-37 My '64.

CHILE—LAND TENURE

Struggle for agrarian reform in Chile. M. Nikitin. Ekon. sel'khoz. 35 no. 1:109-112 Ja '64.

CHIMKENT—BUILDING MATERIALS INDUSTRY

Hindrances which might not have been. N. Kon'ko. Nar. khoz. Kazakh. 22 no. 3.15-17 Mr '64.

CHIMKENT—LEAD INDUSTRY

Pioneer of nonferrous metallurgy. V. Bondarenko. Nar. khoz. Kazakh. 22 no. 3:28-31 Mr '64.

CHIMKENT PROVINCE—CANCER—PREVENTION

Characteristics and distribution of malignant tumors in South Kazakhstan Province F. IA. Shostialtynov. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8.12-14 '62.

CHINA—AESTHETICS

Against dogmatism and vulgarization in literature and art. Kommunist 41 no. 9:9-26 Je '64.

CHINA—COMMUNIST PARTY

Dissenters will not push world communism from the Leninist path. Kommunist 41 no. 9:70-86 Je '64

CHINA—FOREIGN RELATIONS—RUSSIA

The building of communism in the U. S. S. R. is the g international task of the Soviet people. B. Ponomar Kommunist 41 no. 11:36-61 Jl '64.

Loyalty to the principles of Marxism-Leninism. Ser i shkola 19 no. 5:1-2 My '64.

Loyalty to the principles of Marxism-Leninism. Sh i proizv. 8 no. 5:2-4 My '64.

Revolutionary science and the present. L. Il'ichev. munist 41 no. 11:12-35 Jl '64.

Some aspects of the history of Russian-Chinese relat in the first half of the 17th century. Dzh. Batuiev. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:27-37 '6

Truth against dogma. A. Bovin. Nov. mir 39 no. 10 174-190 O '63.

CHINA—YOUTH

[illegible] in the sphere of the struggle between the [illegible]

CHINA PAINTING

Decoration of porcelain ware with cobalt sub-glaze paint H V Kalytenko, TS. M Zalizniak. Leh prom no 2 63-66 Ap-Je '64

CHITA PROVINCE—ARCHAEOCYATHIDAE

Some septal Archaeocyatha of the Cambrian in Chita Province IU. I. Voronin. Paleont zhur no. 2:11-21 '64.

CHITA PROVINCE—BANKS AND BANKING

Credit and payment service to the organizations "Sel'khoztekhnika" V Kur'iakov Den i kred 22 no 7 39-41 Jl '64

CHITA PROVINCE—FARM MECHANIZATION—FINANCE

Credit and payment service to the organizations "Sel'khoztekhnika" V Kur'iakov Den i kred 22 no 7 39-41 Jl '64

CHKALOV PROVINCE see Orenburg Province

CHLORIC ACID

Mechanism of the isomeric transformation of ketones Part 2· Action of 72% chloric acid on pivalophenone containing C^{14} in carbonyl T B. Remizova, T E. Zalesskaia. Zhur ob khim 34 no. 5 1395-1399 My '64

CHLORIDES

Molecular compound of β-sitosterol with metal chlorides. M V Vasil'eva, A M Khaletskii Zhur. ob khim 34 no 5:1400-1401 My '64

Studies on the effect of substituting Cl ions in solution on the mechanical response of single muscle fibers of river crayfish. I. M. TSofina, E. A. Liberman. Biofizika 8 no. 6:738-740 '63.

Using chlorite for combatting ice L. Mnukhin Zhil-kom khoz 13 no 10 17 O '63

CHLORINATION

Calculating the multiplicity factor of the recirculation of the products of reaction in the deep thermal chlorination of methane F. P. Matiakh, V. T. Vdovichenko, O. F Isaenko. Khim. prom. [Ukr.] no. 1·54-60 Ja-Mr '63

Radiometric method of investigating the kinetics and mechanism of chlorination. IA Zenkevich, A V. Lapitskii. Zhur. prikl. khim. 37 no 5:1000-1005 My '64.

Role of the vessel surface in the thermal reaction of chlorine with ethylene. A. M Chaikin. Zhur. fiz. khim 36 no. 6:1306-1310 Je '62.

CHLORINE

(see also subdivision under Indian Ocean)

Desorption of chlorine from a saturated solution of sodium chloride. I. P. Mukhlenov, A. F. Tubolkin, E. S. Tumarkina. Zhur. prikl. khim. 37 no. 5:960-964 My '64.

Eidenzon, M. A. [Preparation of magnesium and chlorine by the electrolysis of fused magnesium chloride] Proizvodstvo magniia i khlora elektrolizom rasplavlennogo khloristogo magniia. Moskva, Izd-vo Metallurgiia, 1964. 124 p.

CHLORINE COMPOUNDS

Direct substitution of the nitro group in aromatic nitro compounds by chlorine with the aid of chlorine-containing carbon compounds. A. A. Ponomarenko. Dop. AN URSR no 6·787-790 '63

CHLOROPHYLL (Continued)

L[illegible] [illegible] of the adsorbates of hemato- [illegible], chlorophyll, leaf pigments and Mg- [illegible] A.N. Terenin, O.D. Dmitrievskii, D.N. [illegible] Biofizika 9 no.1 25-32 '64

Mechanism of the p[illegible]sensitizing effect of chlorophyll in vitro V.B. [illegible] Biofizika 8 no 6:664-67[illegible] '6[illegible].

CHLOROPLATINATES

Kinetics of electrode processes in the system chloroplatinate [illegible] platinum ion V I Kravtsov, B V [illegible] Vest LGU 19 no 10 90-100 '64

CHLOROPROMAZINE

Comparative physiological characteristics of the effect of aminazine on the regulation of cardiovascular activity G A Antropov and others. Trudy Inst.klin i eksper kard AN Gruz SSR 8 533-535 '63.

Effect of aminazine and [illegible] on the coordination of [illegible] cerebral palsy in children. A.L. Lindenbraten Zhur.nevr.i psikh 63 no 7 993-999 '63.

Some data on the role of the higher segments of the brain in the reaction of respiration to aminazine introduction E A Korneva, M I IAkovleva Biul.eksp. biol i med. 55 no.8.77-80 Ag '63

CHOCOLATE INDUSTRY

Physical characteristics of fats and their mixtures used for the manufacture of chocolate products O.A.Kharlamova, T. P. Ermakova. Khleb.i kond prom. 6 no 7 8-12 Jl '62

CHOLANTHRENE—PHYSIOLOGICAL EFFECT

Malignant glioma in rabbits induced by methylcholanthrene. I IA IAblonovskaia, A.P Avtsyn. Arkh. pat. 25. no 10 28-35 '63.

CHOLESTEROL

Bile secreting function of the liver and the chemical composition of bile in experimental cholesterol atherosclerosis in rabbits K I.TSintsadze, N K.Kvirikadze, V.K Eliozishvili Trudy Inst.klin i eksper.kard AN Gruz SSR 8:159-171 '63.

Changes in the cholesterol and lecithin amount of blood serum in patients with cholecystitis and liver cirrhosis V A Aladashvili, O G.Abuladze, L T Vasil'eva Soob AN Gruz SSR 31 no 3 745-748 S '63

Dynamics of the serum glycoprotein fractions in experimental cholesterol atherosclerosis. O A. Nakaidze. Trudy Inst klin i eksper.kard.AN Gruz.SSR 8:173-175 '63

Effect of a stereotype on the cholesterol content in the tissues of rabbits in experimental atherosclerosis. M K Mikushkin. Trudy Inst klin i eksper.kard.AN Gruz SSR 8.187-188 '63

Effect of some substances on the biosynthesis of cholesterol and the total lipid fraction in the brain of growing rats. M I Prokhorova, G P Sokolova Nerv sist no.3 5-11 '62

Method of determining the content of total lipids and cholesterol in the aorta of rabbits. N.G.Stroikova, L.V.Ivanova, G D.Fedorova. Trudy Inst.klin.i eksper.kard AN Gruz SSR 8 137-139 '63.

CHOLINE

Effect of gamma-aminobutyric acid on potassium and acetylcholine skeletal muscle contraction. P.E. Diablova. Biul.eksp.biol i med 56 no.8:75-76 Ag '63.

Role of the acethylcholine-cholinesterase system in the coordination of ciliary motion in infusorians. L.N. Seravin. Sbor.rab.Inst.tsit. no.3:111-122 '63.

CHOLINE—TOXICOLOGY

Pharmacological characteristics of substances inhibiting acetylcholine synthesis in the body S.N Golikov, S.I. Loktionov Vest AMN SSSR 18 no.8 77-87 '63

CHOLINESTERASES

Correlation of adrenergic and cholinergic substances in some neurotic symptoms. V.K.Miager, A.I.Goshev, Zhur.nevr.i psikh. 64 no.5 742-745 '64

Effect of armin and pyrophos on cholinesterase activity in different tissues of white mice L V Donskaia, R A Khaunina Farm i toks 26 no 1 45-47 Ja-F '63

CHOREA

Mental disorders in children with chorea. Z.F.Koroeva, Zhur.nevr.i psikh. 63 no.7.1065-1067 '63.

CHOROID PLEXUS—DISEASES

Case of thrombosis of a choroid plexus aneurysm of the third ventricle complicated by acute hydrocephalus. K.N.Stepanov Zhur nevr.i psikh. 64 no.5 661-662 '64.

CHRISTIANITY—CONTROVERSIAL LITERATURE

Manin, IU. M. [Reactionary essence of present-day Christian morals] Reaktsionnaia sushchnost' sovremennoi khristianskoi morali. Minsk, 1963, 74 p.
(NIC)

CHROMATES

Aqueous reciprocal system of the chromates and bicarbonates of sodium and ammonium. E.N.Pinaevskaia, N.L.Antoshkina, N.N.Noskova. Zhur.prikl khim. 37 no.5:988-1000 My '64.

CHROMATIN

Data for the study on Klinefelter's syndrome A M. Ponomarenko Vest. AMN SSSR 18 no.12 26-29 '63.

CHROMATOGRAPHIC ANALYSIS

Chromatographic determination of the hydrocarbon composition of aromatic compounds V.G Zizin, T.S Ivanova, V.I.Sokolova. Khim i tekh topl i masel 9 no 3:66-67 Mr '64

Chromatographic investigation of gaseous hydrocarbons dissolved in oil. N A.Kudriavtseva, A I.Tarasov Khim.i tekh.topl.i masel 9 no.5 32-36 My '64

Chromatographic separation of rare-earth elements and some actinides on cation exchangers in the presence of radioactive isotopes coprecipitating with LaF_3 I.Brandshteir and others Radiokhimiia 5 no 6:694-699 '63.

Layer method for approximate calculation of the dynamics of equilibrium sorption and chromatography V S Golubev, G.M Panchenkov Izv.Sib otd.AN SSSR no.3:45-53 '62.

Partition chromatography of fluoroplast 4. Separation of europium from other rare-earth elements L.N. Moskvin. Radiokhimiia 5 no 6:747-749 '63

Partition chromatography of unsaturated lipids in the form of their π-complexes with silver ions A G Vereshchagin, S V Skvortsova Dokl AN SSSR 157 no.3 699-702 Jl '64

Separation of Bi, Hg, and Ag from complex mixtures of elements by partition chromatography. A V Kaliamin. Radiokhimiia 5 no.6:749-751 '63.

Separation of tracer compounds by the method of gas chromatography. S.A.Volkov, K.I.Sakodynskii. Atom.energ. 17 no.1:70-71 Jl '64

Simplified paper chromatographic determination of hexachlorocyclohexane from plants G A Odumanova-Dunaeva Fiziol rast 11 no 3,549-550 '64

Thin-layer chromatography method for separating nucleotides on ECTEOLA-cellulose. N.S.Panteleeva. Vest. LGU 19 no.9:73-78 '64.

Thin-layer chromatography of 2,4-dinitrophenylhydrazones of isomeric ketones Z A Shevchenko, I A Favorskaia Vest LGU 19 no 10 107-112 '64.

CHROMATOPHORES

Akademiia nauk SSSR. Botanicheskii institut. [Plastid pigments of green plants and the methods of their study] Pigmenty plastid zelenykh rastenii i metodika ikh issledovaniia. Moskva, Izd-vo "Nauka," 1964. 119 p.

CHROMITE

(see also subdivision under Khromtau, Aktyubinsk Province)

Magnetic treatment of chromite ores with preliminary roasting. N.V.Fedorenko and others. Izv AN SSSR. Met.i gor.delo no.3:182-188 My-Je '64.

CHROMIUM

Seminar on wear-resistant chromium plating and alloys. V.S.Usik Mashinostroitel' no.5:41 My '64.

CHROMIUM ALLOYS

Behavior of the electrode potential of anodically passivated chromium and its iron alloys in the process of self-activation in sulfuric acid solution IA M Kolotyrkin, V.M.Kniazheva. Zhur.fiz.khim 36 no.6:1232-1240 Je '62.

CHROMIUM-IRON ALLOYS

Determination of the thermodynamic activity of carbon in chromium alloyed iron using radioactive C^{14}. E.F. Petrova, L A.Shvartsman. Zhur.fiz.khim. 38 no.3: 765-766 Mr '64.

Mechanism of dissolution of iron alloys with chromium in sulfuric acid. G.M.Florianovich, IA M.Kolotyrkin. Dokl.AN SSSR 157 no.2 422-425 Jl '64.

CHROMIUM-IRON ALLOYS—CORROSION

Preparation of electrolytic iron-chromium alloys and their corrosive behavior in sulfuric acid solutions with different pH values. V.Skominas, J.Matulis. Trudy AN Lit.SSR.Ser.B no.1.73-86 '64.

CHROMIUM-MOLYBDENUM STEEL—METALLOGRAPHY

Structural transformations in 12Kh1MF steel during heat treatment K.A.Lanskaia, E.I.Gorchakova, R.M. Kireeva. Metalloved i term.obr.met no.2:13-18 F '64.

CHROMIUM-NICKEL STEEL—HEAT TREATMENT

Efficient conditions of heat treating case-hardened 18KhNVA steel parts. P.E.Alekseev, N.I.Smirnova. Metalloved.i term.obr.met. no.6 47 Je '64.

CHROMIUM PLATING

Automatic chromium plating area for rods of hydraulic cylinders. IU.N.Lebedinskii, I.V.Shvilikh, L.V. Fedorenko. Mashinostroenie no.1:35-36 Ja-F '64.

Kinetics of the electrolysis of a chromium electrolyte at various temperatures. G.A.Emel'ianenko, V.I. Afanasenko. Zhur.fiz.khim. 37 no.4:915-918 Ap '63.

Mechanism of the formation of trivalent chromium in the chromium plating process. D.N.Usachev. Zhur.fiz. khim. 36 no.6:1337-1339 Je. '62.

Theory of chromium plating and its application to tetrachromate electrolytes. J.Matulis, M.Mickus. Trudy AN Lit.SSR.Ser.B no.1:57-72 '64.

CHROMIUM STEEL—HARDENING

Parameters of endothermic controlled atmospheres for the heating for hardening of chromium steels. [illegible] Sheindlin, V.V.Chekanskii. Metalloved.i term.obr. met. no.6 37-39 Je '64.

CHROMIUM STEEL—METALLOGRAPHY

Dendritic segregation in 35KhGSA steel. P.M. Zhurenkov, T V.Egorshina, I N.Golikov. Metalloved i term.obr.met. no 2:26-28 F '64.

CHROMIUM STEEL—TESTING

Using chromium-boron steel for petroleum equipment parts. M.R.Shneiderov, IA.B.Shlimak, I.F [illegible] Metalloved.i term.obr.met. no.6:43-44 Je '64.

CHROMIUM-TITANIUM-NICKEL ALLOYS see Nickel-chromium-titanium alloys

CHROMONE

Pyran series, its analogs and related compounds. Part 6. Polycyclic pyran systems: 1) 4'-methyl-α-pyrono[5, 6, 6', 5'] chromone-2-carboxylic and 3'-methylfurano[5, 6: 5'4] chromone-2-carboxylic acid and their derivatives V.A.Zagorevskii, Sh.M.Glozman Zhur ob khim 34 no.5 1506-1512 My '64.

CHROMOSOME NUMBERS

Aberrant karyotypes in tissue cells of aborted fetus IU.L.Menitskii. Vest.AMN SSSR 18 no.[illegible] '6[illegible]

CHROMOSOMES

Reparation of chromosome injuries in resting liver cells of rats subjected to chronic gamma irradiation [illegible] Palyga, S.P.IArmonenko, I.M.Shapiro. Dokl.AN SSSR 157 no.[illegible]:460-463 Jl '64.

CHRONOGRAPH

Device for indicating separate prints on a recording chronograph. A.F.Ivanov, A.M.Petrikov. Biul.sta. opt nabl.isk.sput.Zem. no.33:11-13 '63

Simple method for determining the lagging of a recording chronograph. A A.Logvinenko. Biul.sta opt.nabl.isk. sput.Zem. no.33 13-14 '63.

Using a uniform time scale in controlling and determining the lagging of a recording chronograph. B.A.[illegible] Biul.sta.opt.nabl.isk.sput.Zem. no.33:17-18 '63

Using doubled and tripled recording chronographs. [illegible] Firago. Biul.sta.opt.nabl.isk.sput.Zem. no.33 14-16 '63.

CHUCKS

Gil'man, A.I. [Universal pneumatic lathe chucks] Universal'nye pnevmaticheskie tokarnye patrony. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 111 p.

High-speed draw-in chuck. M.A.Gel'derman, A.[illegible] denko. Mashinostroitel' no.4:34 Ap '64

Universal clamping and feeding draw-in chucks for automatic lathes. A.L.Rabois, G.A.Antonov Mashinostroitel' no.6:26 My '64.

CHUKCHI NATIONAL AREA—ANIMAL INTRODUCTION

Results of the animal acclimatization on the territory of the Chukchi National Area. V.S.Tarkhov. Zap.Chuk. kraeved.muz. no.2:89-95 '61.

CHUKCHI NATIONAL AREA—FUR-BEARING ANIMALS

Results of the animal acclimatization on the territory of the Chukchi National Area. V.S.Tarkhov. Zap.Chuk. kraeved.muz. no.2:89-95 '61.

CHUKCHI PENINSULA—ANTIQUITIES

Chaun-Chukchi Peninsula is waiting for archaeologists. A.A.Kalinin. Zap.Chuk.kraeved.muz. no.2:37-38 '61.

The first archaeological collection from the interior of the Chukchi Peninsula. N.N.Dikov. Zap.Chuk. kraeved.muz. no.2:3-10 '61.

CHUKCHI PENINSULA—ARCHAEOLOGICAL RESEARCH

Preliminary data on the archaeological research in the Chukchi Peninsula in 1960. N.N.Dikov. Zap.Chuk. kraeved.muz. no.2:21-30 '61.

CHUKCHI PENINSULA—ECONOMIC CONDITIONS

Economic development of the Chukchi Peninsula. I.F. Selitrennik. Zap.Chuk.kraeved.muz. no.2:64-88 '61.

CHUKCHI PENINSULA—MAN, PREHISTORIC

An ancient skull from the Chukchi Peninsula. I.I. Gokhman. Zap.Chuk.kraeved.muz. no.2:14-16 '61.

CHUKCHI PENINSULA—NAMES, GEOGRAPHICAL

The origin of some geographical names on the map of the Chukchi Peninsula. I.A.Nekrasov. Zap.Chuk. kraeved.muz. no.2:77-83 '61.

CHUKCHI PENINSULA—PLANTS, EDIBLE

Use of wild flora by the Chukchi population in the Dezhnev Cape region. T.G.Sokolova. Zap.Chuk. kraeved.muz. no.2:90-97 '61.

IUKCHI PENINSULA—SILVER FOX

Cage system of keeping fur-bearing animals, a new branch of agriculture in the Chukchi Peninsula M P. Glushkov. Zap. Chuk. kraeved. muz. no. 2.88-89 '61.

HUMAKOV, MIKHAIL PETROVICH

battles with the invisible. A. Lozhechko. Sov. voin 45 no 11 32 Je '64.

HUPA INLET—FISHES

Ichthyofauna of the Chupa Inlet. F. B. Mukhomedliarov. Mat. po kompl. izuch. Bel. mor. no. 2:90-99 '63.

IUPA INLET—HERRING

Reproduction of herring in the Chupa Inlet of Kandalaksha Bay. K. A. Altukhov. Mat. po kompl. izuch. Bel. mor. no. 2:100-113 '63.

HUPA INLET—MARINE FAUNA

Brief information on the biology of some mass species of invertebrates in the Mysa Kartesh region. M. N. Rusanova. Mat. po kompl. izuch. Bel. mor. no. 2:53-65 '63.

IUPA INLET—ZOOPLANKTON

Zooplankton of the Chupa Inlet. S. S. Ivanova. Mat. po kompl. izuch. Bel. mor. no. 2:18-31 '63.

HURCH ARCHITECTURE see subdivision under Kiev

HURCH SLAVIC LANGUAGE

Irish mission at the Pannonian and Moravian Slavs A V. Isachenko Vop. slav. iaz. no 7:43-72 '63.

IURCH SLAVIC LANGUAGE—BIBLIOGRAPHY see Bibliography—Church Slavic language

IURCH SLAVIC LANGUAGE—PHONETICS

kupskii, B. I. [Lectures on the Old Church Slavic language: Section 1. Introduction, Section 2. Phonetic system, Section 3. Sounds of Old Church Slavic and other Slavic languages in a comparative-historical interpretation. Textbook for correspondence students] Lektsii po staroslavianskomu iazyku: Razdel 1. Vvedenie, Razdel 2. Foneticheskaia sistema, Razdel 3. Zvuki staroslavianskogo i drugikh slavianskikh iazykov v sravnitel'no-istoricheskom osveshchenii. Posobie dlia studentov-zaochnikov. Makhachkala, Dagestanskii gos univ, 1962. 168 p.

IURCH SLAVIC LANGUAGE—PRONOUN

Meaning and usage of the pronoun *jb in Old Church Slavic F Blagova. Vop. slav. iaz no. 7:34-42 '63

UVASHIA—POLITICS AND GOVERNMENT

huvash A. S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Chuvash A. S. S. R., seventh session, 1961. Verbatim report] Zasedaniia Verkhovnogo Soveta Chuvashskoi ASSR, 5 sozyva 7. sessiia, 1961. Stenograficheskii otchet. Cheboksary, Izd. Verkhovnogo Soveta Chuvashskoi ASSR, 1961. 1 v.
(MH-L)

CADA see subdivision under Georgia

IA AND CILIARY MOTION

Role of the acethylcholine-cholinesterase system in the coordination of ciliary motion in infusorians. L. N. Seravin. Sbor. rab. Inst. tsit. no. 3:111-122 '63.

IATA

(see also subdivision under Ussuri Bay)

Electron microscopic study of the fibrillar structures in Mesnilella fastigata (Ciliata, Astomata). E. M. Kheisin. Sbor. rab. Inst. tsit. no. 3:15-17 '63.

Electron microscopic study of the macronuclei of certain infusorians. V. F. Mashanskii. Sbor. rab. Inst. tsit. no. 3.3-8 '63.

Nuclear apparatus and division of Remanella granulosa Kahl and Remanella rugosa Kahl (Holotricha, Gymnostomatida). I. B. Raikov. Sbor. rab. Inst. tsit. no. 3: 20-34 '63.

NNAMALDEHYDE

reparation of a stable suspension of corinal. M. Kh. Gluzman, H S. Bashura. Farmatsev. zhur. 18 no. 4 31-34 '63.

NAMIC ACID

Melting diagram of the ternary system urea - β-naphthol - cinnamic acid A. G Palobokov, I. I. Il'iasov, A G Bergman Zhur ob. khim. 34 no. 5.1376-1379 My '64

IRIPEDIA see subdivision under Black Sea; Far East; White Sea

IES AND TOWNS—CIVIC IMPROVEMENT

nalysis of expenditures for civic improvement. V. Barmin. Fin. SSSR 38 no. 7:77-81 Jl '64.

TRIC ACID

ody reaction to the introduction of large doses of vitamin D2 (experimental data). B. A. Lavrov, E. L. Terent'eva. Vest AMN SSSR 18 no 8:54-60 '63.

Y PLANNING

(see also subdivision under Leningrad; Ukraine)

ook about residential areas and microdistricts. F. Frumin Zhil stroi. no. 5:31-32 '64.

IAnitskii, O. N. [City planning and everyday life] Gradostroitel'stvo i byt. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet Fakul'tet literatury i iskusstva, no. 7)

CIVIL DEFENSE

By means of control and assistance K Sabetov Voen znan 40 no 6 15-16 Je '64

The detachment was under cover V. Morozov Voen znan 40 no 6 22-23 Je '64

In aid of the propagandist of the All-Union Volunteer Society for Assistance to the Army, Navy and Air Force Voen znan 40 no 6 15 Je '64

Let's sum up. V. IAstrembskii. Voen. znan. 40 no 6 19-20 Je '64

A tireless propagandist. F Kokin Voen znan. 40 no 6 30-31 Je '64

CIVIL ENGINEERS—EDUCATION AND TRAINING see subdivision under Lugansk Province

CIVIL LAW see subdivision under Turkmenistan

CIVIL PROCEDURE

(see also subdivision under Turkmenistan)

Gurvich, M. A., ed. [Soviet civil procedure law] Sovetskoe grazhdanskoe protsessual'noe pravo. [Podol'sk] Vysshaia shkola, 1964. 536 p.

CIVILIZATION

Dreamers of our era. I. Ermashev. Nov. mir 39 no. 10:267-270 O '63.

CIVILIZATION AND TECHNOLOGY see Technology and civilization

CIVILIZATION AND WAR see War and civilization

CLAISEN REARRANGEMENT

Allyl ethers of 3-hydroxy-γ-pryone derivatives in the Claisen reaction V M Dashunin, M. S Tovbina Zhur ob khim 34 no 5 1436-1441 My '64

CLASSIFICATION—BOOKS

Further improvement of the classification tables for provincial libraries. V. A. Svatikova, B. IU. Eidel'man Sov. bibl. no. 3:81-94 '64

CLASSIFICATION—TECHNOLOGY

Moscow. Publichnaia biblioteka. [Library and bibliographic classification, tables for scientific libraries] Bibliotechno-bibliograficheskaia klassifikatsiia; tablitsy dlia nauchnykh bibliotek. Moskva, Izd-vo "Kniga,"
Nos. 7-11. [Zh/O Technology, Technological science] Zh/O Tekhnika. Tekhnicheskie nauki.
[No. 7, pt. 2. Z power, Radio electronics. Z Energetika. Radioelektronika] 1964. 299 p.

CLAY

(see also subdivision under Apsheron Peninsula; Georgia, Kishinev region)

Applying the theory of filtration consolidation for highly compressible water saturated clayey soils. M. IU. Abelev, N. A. TSytovich. Osn., fund. i mekh. grun. 6 no. 3 11-14 '64.

CLAY—CONGRESSES

International congress in Sweden on the study and use of clay A. D. Fedoseev. Stek i ker. 21 no. 1:44-45 Ja '64

CLEANING COMPOUNDS

Nevolin, F. V. [Chemistry and technolog detergents] Khimiia i tekhnologiia sinte moiushchikh sredstv. Moskva, Izd-vo " promyshlennost'," 1964. 362 p.

New developments in the production of s ing compounds. N. Piniagin. Khim. i t 9 no. 3:70 Mr '64

CLEARING OF LAND

(see also subdivision under Smolensk I

Efficiency of cultivating shrub land by m ploughing. V. Valuev. Ekon. sel'khoz. 58-61 D '63.

CLERKS (RETAIL TRADE)

Shelomov, B. A. [Liability of the worker commerce] Material'naia otvetstvenno torgovli. Moskva, Gos. izd-vo iurid. lit (IUridicheskie konsul'tatsii dlia naselen i otvetakh)
(NIC)

CLIMACTERIC

Function of the thyroid gland and of the c patients with climacteric syndrome. C Soob. AN Gruz. SSR 34 no. 1:205-212

CLIMATOLOGY

(see also subdivision 'Climate' under Ethiopia; Scandinavia; Siberia, Wester

Properties of integral-difference curves. Trudy GGO no. 162:3-6 '64.

CLIMATOLOGY, MEDICAL

(see also subdivision under Aktash, Tashkent Province; Sukhum, Surkhan-Darya Province; Tashkent; Uzbekistan)

Biomicroclimatic zones and their use under different climatic conditions E. A. Cherniavskii. Sbor. trud Uz gos. nauch.-issl. inst. kur i fizioter 17.168-171 '62

Climatotherapy in the compound treatment of functional diseases of the nervous system A. Akhrarov Sbor. trud. Uz. gos. nauch-issl. inst kur. i fizioter. 17 84-87 '62

Nauchnaia konferentsiia po voprosam klimatopatologii serdechno-sosudistykh zabolevnii. 2d, 1962. [Abstracts of reports of the Scientific Conference on Problems in the Climatopathology of Cardiovascular Diseases] Tezisy dokladov. Moskva, In-t terapii Akad. med. nauk SSSR, 1962. 76 p.
[DNLM MICROFILM]

CLINKER

Effect of the additions of surface-active substances on the diminution of clinker. N. L. Kudriavtseva, G. S. Khudakov. Dokl. AN SSSR 156 no. 2.437-440 My '64.

CLOCKMAKING AND WATCHMAKING see subdivision under Penza

CLOCKS AND WATCHES—MODELS

Dynamic clock model on a rotating platform. N. N. Serebriakova. Izv. AN SSSR. Mekh. i mashinostr. no. 3: 61-70 My-Je '64.

CLOSTRIDIUM

Determination of the natural immunity to Clostridium perfringens in serum producers, author's abstract. P. S. Dotsenko. Trudy Irk. NIIEM no. 6 23 '61.

Possibility of the use of antiperfringens type A, B, C and D serums for diagnostic purposes. P. S. Dotsenko. Trudy Irk. NIIEM no. 6:11-22 '61.

Production of concentrated and dry antiperfringens type B, C, and D serums. P S. Dotsenko. Trudy Irk. NIIEM no 6 7-10 '61.

CLOTHING, COLD WEATHER

Elastomeric polyurethan foam, its properties and use in the clothing industry. I. V. Orlov, A. M. Herasymova. Leh. prom. no. 2:7-10 Ap-Je '64.

CLOTHING, PROTECTIVE

Verb, I. M. [Modern methods for the manufacture of protective clothing from plastic films] Sovremennye sposoby izgotovleniia spetsial'noi odezhdy iz plenki. Moskva, Izd-vo "Legkaia industriia," 1964. 130 p.

CLOTHING INDUSTRY

(see also subdivision under Kharkov; Kiev Province; Ukraine)

Design and development of clothing models to be made from standardized parts. N. I. Katsnel'son. Leh. prom. no. 2:19-21 Ap-Je '64.

Fusion sealing of seams and cuts on articles made from nylon fabrics. M. B. Risman and others. Leh. prom. no. 2:51-52 Ap-Je '64.

Improvement of hauling operations in the garment cutting department. V. F. Nesterov, L. I. Tret'iakova. Leh. prom. no. 2:47-49 Ap-Je '64.

Improving the planning and accounting of production costs in the clothing industry. V. I. Hazanchiian. H. I.

Optical properties of clouds. E. M. Feigel'son. Kosm. issl. 2 no. 3:455-461 My-Je '64.

Spectral reflecting power of clouds. F. P. Novosel'tsev. Trudy GGO no. 152 186-191 '64.

CLOVER LEAF WEEVIL see subdivision under White Russia

CLOWNS—CORRESPONDENCE, REMINISCENCES, ETC.

Tarakhno, P. G. [Life of a clown; reminiscences. As told to I. A. Bondar'] Zhizn' klouna; vospominaniia. Literaturnaia zapis' I. A. Bondaria. [Simferopol'] Krymizdat, 1963. 206 p.

CLUTCHES (MACHINERY)

Automatic self-disengaging semiclutch for dynamic rotor balancing A. P. Neroda Elek sta. 35 no 4·78-79 Ap '64.

Shielded synchronous magnetic clutches. N. P. Glukhanov, L. B. Ganzburg. Trudy NIITVCH no.4 114-120 '63.

COAL

(see also subdivision under Kan Basin; Lvov-Volyn' Basin)

Two-step burning of coal. V. V. Luk'ianov. Elek. sta. 35 no. 4:15-17 Ap '64.

COAL—ANALYSIS

Effect of the petrographic composition of coals on their content of absorbed methane. A. P. Bakaldina. Izv. vys. ucheb. zav., gor. zhur. 7 no. 4:10-12 '64.

COAL—PRICES

Coal prices and business accounting. R. G. Karagedov. Izv. Sib. otd. AN SSSR no. 6·111-114 '62.

COAL—TESTING

Effect of coal moisture on its occluded methane capacity. A. S. Tsyrul'nikov, I. A. Ryzhenko, A. A. Poltavskaia Ugol' Ukr. 8 no. 4:15-17 Ap '64.

Studying processes of the mechanical breaking of coal. V. P. Zeifert, K. G. Sulimov. Nauch. trudy KNIUI no. 11. 15-20 '62.

COAL—THERMAL PROPERTIES

Determining the thermophysical constants of coals and rocks at high temperatures. I. M. Mosin. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:3-9 '64.

COAL GASIFICATION

Some results of the pyrolysis of brown coal from the Eastern Regions of the U. S. S. R. V. G. Kashirskii, IU. A. Vasil'ev. Izv. vys. ucheb. zav., energ. 7 no. 5. 122-126 My '64.

COAL GEOLOGY

(see also subdivision under Teberda Valley, Georgia)

Studying the deformations, bearing capacity, and stressed state of wide coal blocks. K. I. Ivanov, K. P Betaneli. Ugol' 39 no. 6:20-25 Je '64.

COAL MINERS

(see also subdivision under Italy; Karaganda Basin; Norway)

A family's life is not a private affair. I. Toropkin. Sov. shakht. 11 no. 12:33 D '62.

From parasitism to offenses. A. Ershov. Sov. shakht. 12 no. 1:27 Ja '63.

Indifferent people. IU. Khobotov. Sov. shakht. 12 no. 9: 42-43 S '63.

Labor is creative genius. V. Sorokin. Sov. shakht. 12 no. 9:12-13 S '63.

A man is born. V. Andrijanov, L. Sotnik. Sov. shakht. 12 no. 1:26 Ja '63.

Miner with a great spirit. M. IUgilevich. Sov. shakht. 11 no. 12:16 D '62.

Miner's news. Sov. shakht. 12 no. 1:36-37 Ja '63.

A miner's time must not be wasted. V. Tikhonov. Sov shakht. 12 no. 1:39 Ja '63.

More than neighbors. N. Boldyreva. Sov. shakht. 12 no. 1:33-34 Ja '63.

My friend Alesha! D. Ivanov. Sov shakht. 12 no. 1:34-35 Ja '63.

Our strength is in friendship. A. Stanitsyn. Sov. shakht. 12 no. 9:16 S '63.

Readers' letters. Sov. shakht. 11 no. 12:39 D '62.

Streams of the people's art. Sov. shakht 12 no. 1·30-31 Ja '63.

They call him "a beacon". P Portnykh. Sov. shakht. 12 no. 1:21 Ja '63.

They will be held responsible. A. Shpilevoi. Sov. shakht. 12 no. 9:40-41 S '63.

Training of specialists in the coal industry. A. B. Zhelobko, F. A. Gavrichkov. Ugol' 39 no. 6:55 Je '64.

Training school. A. Goncharov. Sov. shakht. 11 no. 12:34 D '62.

Twenty years later. V. Sokolov. Sov. shakht. 12 no. 9: 32-33 S '63.

A year in my life. A. Machekha. Sov. shakht. 11 no. 12: 28-29 D '62.

"Your endeavors are inspiring us as well." D. Dzhiovanneti, S. Gagliardi, A. Mambrini. Sov. shakht. 12 no. 1: 45-46 Ja '63.

COAL MINERS—DISEASES AND HYGIENE

Consultation Sov. shakht 12 no. 1 42-43 Ja '63

Is there radioactive radiation in mines? Sov. shakht. 12 no. 1,44 Ja '63

COAL MINERS—DWELLINGS

You for society and society for you. A. Krutov Sov shakht. 11 no. 12:31 D '62.

COAL MINERS—LEGAL STATUS, LAWS, ETC.

Consultation. Sov. shakht. 12 no. 1:42-43 Ja '63.

Consultation. Sov. shakht. 12 no. 9,38-39 S '63.

COAL MINES AND MINING

(see also subdivision under Australia; Chelyabinsk Basin; Donets Basin; Donets Economic region; Karaganda Basin; Kuznetsk Basin; New Zealand, Pechora Basin; Sakhalin)

According to Lenin's principles. Sov. shakht 11 no. 12: 2-3 D '62.

The all-Union public inspection continues. M P. Filatov. Ugol' 39 no 6,66-70 Je '64

Book about pillar methods of mining. A. M. Fed'ko Ugol' Ukr. 8 no. 4:53 Ap '64.

Brief news. Ugol' 39 no 6:73-74 Je '64.

Brigade, brigade captain, and mine foreman. N. Mokhov. Sov. shakht. 12 no. 9:20-25 S '63.

Butkevich, R. V., and others. [Experience in short face mining of medium thickness flat seams] Opyt razrabotki pologikh plastov srednei moshchnosti korotkimi zaboiami. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 78 p. (Seriia: Tekhnologiia i ekonomika podzemnoi dobychi uglia)

[MICROFILM]

Concerning the book "The coal industry in capitalist countries", volume 3 G. G. Kuznetsov. Ugol' 39 no. 6:77-78 Je '64.

Construction of enterprises for the coal industry in 1964-1965 M. IU. Gorlin. Shakht. stroi. 8 no. 4 1-3 Ap '64

Determination of the optimal pressure and efficiency of hydraulic giants for coal breaking. A. A. Aleinikov. Sbor. trud. Inst. gor. dela AN URSR no. 13,32-37 '63.

Determining the optimum load on a panel for mines with a high methane liberation. A. M. Naidysh and others. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:26-32 '64.

Distribution of crosscuts for preparing longwalls with an overhand stope. D. G. Pushkar'. Ugol' Ukr. 8 no. 4:47-49 Ap '64

Dokukin, A. V., and L. D. Ignat'ev. [Results of scientific research insuring the technical progress of the coal industry in the current seven year plan; report at the meeting of the Technical and Economic Council of the Lugansk Economic Council] Rezul'taty nauchnykh issledovanii, obespechivaiushchie tekhnicheskii progress v ugol'noi promyshlennosti v tekushchem semiletii; doklad na zasedanii tekhniko-ekonomicheskogo soveta Luganskogo sovnarkhoza. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962. 42 p.

[MICROFILM]

Effect of air leakage on the selection of a flow sheet for working coal deposits. K. I. Tatomir, I. M. Andreev. Sbor. trud. Inst. gor. dela AN URSR no. 13:5-14 '63.

Emergency. G. Groiseskul. Sov. shakht. 12 no. 1:32 Ja '63.

Even though the seam is thin.... N. Rabicheva. Sov. shakht. 12 no. 9:28-29 S '63.

Evseev, V. S. [Introducing and studying parameters of systems of mining wide flat seams] Opyt vnedreniia i issledovaniia parametrov sistem razrabotki moshchnykh pologopadaiushchikh plastov. [Moskva] Izd-vo "Nedra," 1964. 141 p.

Fifteen thousand meters will be mined. N. A. Karagodin. Ugol' Ukr. 8 no. 4:44 Ap '64.

Gas liberation in extraction drifts of the Moscow Basin. E. M. Sokolov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4: 97-99 '64.

In search of creative power. M. Kraevoi. Sov. shakht. 11 no. 12:17-19 D '62.

In the unfinished mine. V. Gul'tiaev. Sov. shakht. 11 no. 12:38 D '62.

Let new beacons burn. A. Panov, V. Pererva. Sov. shakht. 11 no. 12:25-26 D '62.

Meanwhile, disputes are going on.... D. Mel'nikov. Sov. shakht. 11 no. 12:22-23 D '62.

Mining area used as an object for regulating concentrations of methane. I. M. Mester. Nauch. trudy KNIUI no. 11:155-162 '62.

Mining contiguous thin seams. F. S. Silaev, A. I. Kvitko. Ugol' Ukr. 8 no. 4:45-46 Ap '64.

New equipment means a new organization of labor. V. Krasulia. Sov. shakht. 11 no. 12:12-13 D '62.

Our potentialities are great. V. Degtiarev. Sov. shakht. 11 no. 12:4-6 D '62.

Ownership. I. Pirogov. Sov. shakht. 11 no. 12:29-30 D '62.

Pneumatic hoisting of coal. IU. F. Savenko. Ugol' Ukr. 8 no. 5:34 My '64.

[Practices of leading workers for all miners] Opyt peredovikov - vsem shakhteram. [By] V. V. Vil'chitskii i dr. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1963. 35 p. (Dela i liudi semiletki)

Prognimak, D. IA. [Opening and systems of working coal seams by hydraulic mining] Vskrytie i sistemy razrabotki ugol'nykh plastov pri gidrodobyche Moskva, Izd-vo "Nedra," 1964. 111 p.

Readers' letters Sov. shakht 12 no 1 38 Ja '63

Result of searching. N. Piatnitskii. Sov. shakht. 12 no. 9,9 S '63.

Results of the fifth year of the seven-year plan. M. I. Vyrostkov Ugol' Ukr. 8 no. 5.41 My '64.

Results of the R. S. F. S. R. coal industry for five years of the seven year plan N. A Gnilorybov. Ugol' 39 no. 6:1-6 Je '64.

Socialist competition is creativity A Volkov. Sov. shakht. 12 no 1:28 Ja '63.

Technical and economic analysis of the conditions of the hydraulic breaking of coal in thin seams A A Alienikov, P. F Chubenko, V. E. Smalii Ugol' 39 no 6:34-38 Je '64.

They are conquering time. A. Zuev. Sov. shakht. 11 no 12:14-15 D '62.

This is the way time is wasted. L. Savel'ev. Sov shakht. 12 no. 1:6-8 Ja '63.

To feel the pulse of life. D. Belokolos. Sov. shakht. 12 no. 9:2-3 S '63.

Twenty years later. V. Sokolov. Sov. shakht. 12 no. 9: 32-33 S '63.

Two letters about a noble undertaking. Sov. shakht. 12 no. 9:26-27 S '63.

Unrealized expectations. IU Khobotov. Sov. shakht. 12 no. 1:9-10 Ja '63.

The warm-up. I. Grivennyi. Sov. shakht. 11 no 12:24-25 D '62.

We are holding fast to the road of communism. Sov. shakht. 12 no. 9:4-8 S '63.

When our neighbors are having trouble... N. Lazarev. Sov. shakht 12 no. 9:14-15 S '63.

With big strides. Sov shakht 12 no 1·2-4 Ja. '63.

COAL MINES AND MINING—AIR CONDITIONING

Increasing the effectiveness of the process of cooling mine air. S. A. Gorodnicheva. Sbor. trud. Inst. gor. dela AN URSR no. 13:97-104 '63.

COAL MINES AND MINING—BIBLIOGRAPHY see Bibliography—Coal mines and mining

COALS MINES AND MINING—BY-PRODUCTS see subdivision under Pechora Basin

COAL MINES AND MINING—COSTS

(see also subdivision under Donets Basin; Pechora Basin)

Analysis of the economic aspects of mine operations and their effect on the improvement of technical and economic indices. A. A. Izmailkov. Ugol' Ukr. 8 no. 5: 21-24 My '64.

Concentrated mining is the way to improve basic indices of mine operations A. A. Pirskii. Ugol' Ukr. 8 no. 4:10-12 Ap '64.

Cost of maintaining workings while filling longwalls of steeply pitching seams with rock. A. G. Surkov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:86-91 '64.

Readers' response to the article by M. A. Moseev "Cost of maintaining lateral and seam drifts at the Lisichanskugol' Trust." A. I. Smushkevich. Ugol' Ukr. 8 no. 4:54 Ap '64.

COAL MINES AND MINING—ECONOMIC ASPECTS

Problems and methods in economic evaluation of coal deposits. M. M. Perkul'. Izv. Sib. otd. AN SSSR no. 3: 3-11 '62.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Karaganda Basin; Ukraine)

All-Union school for learning and passing on practices of reconditioning the equipment and the repeated use of materials. F. IA. Rozenberg, B. M. Shcharanskii. Ugol' Ukr. 8 no. 5:55-56 My '64.

Automation of boilers operating on gas obtained during the degasification of a mine. A. G. Volkov. Nauch. trudy KNIUI no. 11:242-253 '62.

Basic trends and ways of mechanizing underground coal mining from thin seams. G. V. Krasnikovskii Ugol' Ukr. 8 no. 4:8-10 Ap '64.

Basic trends in designing unloading complexes in coal mining regions. A. IA. Loktev. Ugol' Ukr 8 no. 4: 37-40 Ap '64.

Duty of all the people. Ugol' Ukr. 8 no. 4:1-2 Ap '64.

In the "iron longwall". B. Martynov. Sov. shakht. 12 no. 9:17 S '63.

Investigating the interaction of the shield with a rock cushion by means of shield modeling. A. D. Bondarenko. Sbor. trud. Inst. gor. dela AN URSR no. 13:48-58 '63.

The means for mechanizing auxiliary operations in mine construction. V. V. Danchich. Ugol' Ukr. 8 no 4:52-53 Ap '64.

Moscow. TSentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Collection of articles on the automation of stationary equipment] Sbornik statei po avtomatizatsii statsionarnykh ustanovok. Moskva, 1962. 65 p. (Seriia: Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie)

[MICROFILM]

(Continued)

Moskva, 1962. 229 p. (Seriia Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie)

[MICROFILM]

Selecting a freezing mixture for rock freezing P. A Shparber Shakht stroi 7 no. 3: 18-19 Mr '63

Using rods for various purposes in the Kuznetsk Basin A. P. Shirokov. Shakht. stroi 7 no 11 28 N '63

COAL MINES AND MINING—FINANCE

Calculating the time factor in the economic evaluation of different mine construction and reorganization solutions. A. M. Platkin. Ugol' Ukr. 8 no 4:34-36 Ap '64.

Flow sheet for preparing a new mine level under complex mining and geological conditions. A A. Chalyi, G. V. Kudravets, A. I. Amosha. Sbor. trud. Inst. gor. dela AN URSR no. 13 26-31 '63.

Kozubenko, V. A. [Analysis of the economic operations of a coal mine] Analiz khoziaistvennoi deiatel'nosti ugol'noi shakhty. Moskva, Izd-vo "Nedra," 1964. 311 p.

The result does not correspond to expenditures S. Zhuravlev Sov. shakht. 11 no. 12:20-21 D '62

Review of the book "Capital assets of the coal industry." IA. M. Prudkin, V. I. Gvarish. Ugol' 39 no. 6:75-76 Je '64.

COAL MINES AND MINING—FIRES AND FIRE PREVENTION see subdivision under Donets Basin

COAL MINES AND MINING—HANDBOOKS, MANUALS, ETC. see subdivision under Donets Basin

COAL MINES AND MINING—LABOR PRODUCTIVITY
(see also subdivision under Donets Basin; Ukraine)

Correlative analysis of basic factors affecting labor productivity M. K Kal'myk. Ugol' 39 no. 6:49-53 Je '64.

For mining 40,000 tons of coal in one month with the 1K-52m complex. I. I. Strel'chenko and others. Ugol' Ukr. 8 no. 4:3-6 Ap '64.

Further improvements in qualitative work indices in the coal industry. N. F. Nikolaev, M. G. Perepadia. Ugol' Ukr. 8 no. 5:1-5 My '64.

Mining 660 tons of coal in one day from a single longwall. A. I. Tychina. Ugol' Ukr. 8 no. 5:42-43 My '64.

One month's records. Sov. shakht. 11 no. 12:16 D '62.

COAL MINES AND MINING—MANAGEMENT
(see also subdivision under Karaganda Basin; Kazakhstan)

Anatolii Sozinov's example. V. Rabe. Sov. shakht. 12 no. 1:44 Ja '63.

Give the green light to design and construction groups. V. P. Bobkov. Ugol' Ukr. 8 no. 5:40 My '64.

Improved planning is an important condition for the successful use of internal potentials. B. I. Lerner. Ugol' 39 no. 6:44-49 Je '64.

Readers' response to the article by IU. M. Rubinskii "Forms of brigade organization of work and payment according to finished work in mine stopes." P. M. Tararyko, V. A. Lesnykh. Ugol' Ukr. 8 no. 4:54 Ap '64.

COAL MINES AND MINING—PERIODICALS

Readers' conference on the work of "Ugol'." Ugol' 39 no. 6:73 Je '64.

COAL MINES AND MINING—PRODUCTION STANDARDS see subdivision under Karaganda Basin

COAL MINES AND MINING—SAFETY MEASURES

Apparatus for determining the initial stage of the spontaneous combustion of coal in a caved-in mine area. U. IU. Bikus, A. G. Volkov. Nauch. trudy KNIUI no. 11:152-155 '62.

Readers' response to the article by F. M. TSyby "Preservation of openings from the effects of mining underlying and overlying seams."; "Ugol'," no. 4, 1963. I. F. Potapkin. Ugol' 39 no. 6:67-68 Je '64.

Studying by the method of seismic acoustics the effect of the protective mining of overlying and underlying coal seams. E. I. Galko, V. S. Ivanov. Ugol' 39 no. 6:62-65 Je '64.

COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

Suggestions from innovators. G. Lysenko. Sov. shakht. 12 no. 1.16 Ja '63.

COAL MINING MACHINERY

For miners and mechanics. V. Sosnov. Sov. shakht. 12 no. 1:40 Ja '63.

For mining 40,000 tons of coal in one month with the 1K-52m complex. I. I. Strel'chenko and others. Ugol' Ukr. 8 no. 4:3-6 Ap '64.

Isn't this romanticism! I. Avramenko. Sov. shakht. 11 no. 12:27 D '62.

during the operation of high-speed plows in seams with a high gas content. S. N. Osipov. Ugol' Ukr. 8 no. 5.47-48 My '64.

Mining 1,000 tons of coal in one day in the Kuznetsk Basin with OMKU complex. V. F. Krylov and others Ugol' 39 no 6:12-15 Je '64.

Plow with an active cutter for cutting tough coal. G. P. Polovnev, G. K. Sulimov, P. E. Antonov. Nauch. trudy KNIUI no. 11:331-336 '62.

The RDK-2 automatic regulator for stabilizing the operation of the "Karaganda" cutter-loader in a vertical plane. V. F. Byr'ka E. F. Fedorov. Nauch. trudy KNIUI no. 11: 162-171 '62.

Seminar on the use of electronic computers for establishing efficient parameters and conditions for the operation of coal mining machinery L I Baron. Ugol' 39 no. 6:71-72 Je '64.

Until when? F. Golzitskii. Sov. shakht. 12 no. 9:30-31 S '63.

Use mining equipment more effectively. S. I. Vorotnikov, D. A. Skachko. Ugol' Ukr. 8 no. 5:5-6 My '64.

COAL MINING MACHINERY—BIBLIOGRAPHY see Bibliography—Coal mining machinery

COAL MINING MACHINERY—MAINTENANCE AND REPAIR

Improve specialization in the repair of equipment in central electromechanical workshops E. A Leusenko, I. I Tkachenko. Ugol' Ukr. 8 no. 4:36-37 Ap '64

COAL MINING MACHINERY—RELIABILITY

Raising the reliability and longevity of mining equipment is the most improtant tast of mechanics. F. P. Bilan. Ugol' Ukr. 8 no. 5 7-11 My '64

COAL MINING MACHINERY—TESTING

Breaking of coal by shallow shearing. N. P. IUdin, K. G. Sulimov, V. P. Zeifert. Nauch. trudy KNIUI no. 11:20-25 '62.

A full load on the cutter-loader A Bragin. Sov. shakht. 12 no. 1.13-15 Ja '63

New boring cutter-loader. N. Rabicheva. Sov. shakht. 12 no. 1.17-18 Ja '63.

Studying the actuating mechanism of the "Karaganda-07" cutter-loader. N. P. IUdin, B. N. Tolstykh. Nauch. trudy KNIUI no. 11:11-15 '62.

Studying the parameters of the actuating mechanism of the "Karaganda-1m" mining cutter-loader. N. P. IUdin, I. A. Eidel'shtein, V. P. Zeifert. Nauch. trudy KNIUI no. 11:81-94 '62.

Studying the operation of the "Ukraina" cutter-loader. V. N. Briling, I. S. Zil'bert. Nauch. trudy KNIUI no. 11: 3-10 '62.

COAL PREPARATION
(see also subdivision under Donets Basin)

Chemization of the coal industry. V. S. Kaminskii. Ugol' 39 no. 6:6-12 Je '64.

COAL PREPARATION—EQUIPMENT AND SUPPLIES

Electrolytic boron coating of steel and cast iron parts. V. E. Fedorchenko, M. A. Zarubinskii, D. I Manzhurin. Ugol' Ukr. 8 no. 4:43 Ap '64.

Highly efficient hydrocyclone. I. M. Aspis and others. Ugol' Ukr. 8 no. 5:45-46 My '64.

COAL PREPARATION PLANTS

As if it were a stepchild. A. Kolesnikov. Sov. shakht. 12 no. 1:10-12 Ja '63.

COAL TAR

New method of separating 2,5-dimethylpyridine (2,5-lutidine) from coal tar. E. M. Gepshtein. Zhur. prikl. khim. 37 no. 5:1162-1165 My '64.

COAL WASHING

Jigging cycles and conditions for their realization. V. I. Suliga. Trudy LVMI 1:78-86 '62

COBALT

Cobalt and nickel content in some food products of Georgia. S. D. Taktakishvili. Vop. pit. 22 no. 6 73-74 N-D '63.

Cobalt content in food products of the vegetable and animal origin in Transcarpathia. L. I. Kotelianskaia. Vop. pit. 22 no. 6:71-72 N-D '63.

Effect of hydrogen on the reduction rate of cobalt ions. A. T. Vagramian, M. A. Zhamagortsian. Zhur. fiz. khim. 38 no. 3:786-789 Mr '64.

COBALT—PHYSIOLOGICAL EFFECT

Effect of diamine-ethylene cobalt iodide and diethylstilbestrol combined with testosterone on the development of myocardial collaterals in experimentally induced coronary insufficiency. G. S. Gvishiani. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:431-435 '63.

COBALT CATALYSTS

Catalytic decomposition of hypophosphites. Report No. 2: Decomposition in the presence of nickel and cobalt. A. Luneckas. Trudy AN Lit. SSR. Ser. B no. 1:143-149 '64.

COBALT CHLORIDES

Determination of the mobility of ions of cobalt and copper impurities in LiCl and HCl solutions. E. A. Kaimakov. Zhur. fiz. khim. 38 no. 3:802-804 Mr '64.

COBALT CHLORIDES—PHYSIOLOGICAL EFFECT

Effect of cobalt chloride on the growth of weaned pigs and the weight gain per feed unit A K. Rosliakov, P A Glumov Vest sel'khoz nauki [Kazakh.] 7 no 6 49-53 Je '64

COBALT COMPOUNDS—PHYSIOLOGICAL EFFECT

Effect of diethylenediamine cobalt iodide on coronary circulation L. S Chkhikvishvili Trudy Inst klin. i eksper kard. AN Gruz. SSR 8:451-456 '63.

Effect of some hydrazine derivatives of cobalt on coronary circulation. L. S Gegenava, L. S Chkhikvishvili. Trudy Inst. klin. i eksper kard. AN Gruz SSR 8:457-459 '63.

COBALT ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of radiation on the mitotic cycle of the cornea epithelium and the intestine epithelium in mice. M G Chumak Radiobiologiia 3 no 6:866-874 '63.

COBALT ORGANIC COMPOUNDS

Some reactions of higher selenopolythionates. Selenopolythionates of dichlorodiethylenediaminecobalt. V. Zelionkaite, J. Janickis, D. Kudarauskiene. Trudy AN Lit. SSR. Ser. B no. 1:117-126 '64.

COBALT ORGANIC COMPOUNDS—PHYSIOLOGICAL EFFECT

Effect of some new complex cobalt compounds on the development of experimental atherosclerosis. A. N. Andriadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:189-193 '63.

COBALT-TUNGSTEN ALLOYS—MAGNETIC PROPERTIES

Magnetic properties and structure of electrolytic deposits of a cobalt-tungsten alloy. IU M Polukarov, L. N. Rastorguev, I. G. Shevkun. Zhur. fiz khim. 36 no. 6:1299-1305 Je '62.

COCAINE

Conformation studies in the cocaine series M. S. Bainova and others Dokl AN SSSR 157 no. 3:599-602 Jl '64

COCCIDIOSIS

Therapy and prophylaxis of coccidiosis in rabbits V G Nesmashnaia. Vest sel'khoz. nauki [Kazakh] 7 no 6 61-64 Je '64

COCCIDIUM
(see also subdivision under Kazakhstan)

Changes in succinic dehydrogenase activity at various developmental stages of intestinal coccidia of rabbits due to the effect of furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3:70-74 '63.

Electron microscopic study of microgametes in Eimeria intestinalis (Sporozoa, Coccidiida). E. M. Kheisin. Zool. zhur. 43 no. 5:647-651 '64.

Susceptibility of different developmental stages of intestinal coccidia of rabbits to furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3:62-69 '63.

COCHOSTRACA, FOSSIL see subdivision under Mezen' Valley

COCKCHAFERS—EXTERMINATION see subdivision under Dnieper Valley

COCKROACHES, FOSSIL

Characteristics of the venation of the anterior wings of a new Late Jurassic cockroach. V. N. Vishniakova. Paleont. zhur. no. 1:82-87 '64.

CODEINE

Determination of the surface energy of mannitol and codeine in the solid state. A. S. Mikulich. Krist. zhid. no. 2:32-34 '63.

CODFISH see subdivision under Solovetskiye Islands; White Sea

COINS see subdivision under Bukhara Khanate

COINS, ANCIENT see subdivision under Colchis

COKE

Effect of the briquetting compaction of coal on the process of their thermal destruction. D. M. Lisin, Pak Kim-sun. Izv. Sib. otd. AN SSSR no. 6:35-45 '62.

COKE INDUSTRY—BY-PRODUCTS

Beketov, V. P. [Amazing transformations] Udivitel'nye prevrashcheniia. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 57 p. (Populiarno-tekhnicheskaia seriia)

COKING PLANTS

Selecting coking plants. A. F. Krasiukov. Khim. i tekh. topl. i masel 7 no. 10:32-36 O '62.

COLCHICINE

Dynamics of colchicine accumulation in Colchicum speciosum Stev. and Colchicum laetum Stev. in their cultivation in the Moscow region. V. M. Salo. Apt. delo 12 no. 2:40-43 Mr-Ap '63.

COLCHICINIC ACID

Alkaloids K-3 and K-4, derivatives of colchicinic acid. M. K. IUsupov, A. S. Sadykov. Zhur. ob. khim 34 no 5:1677-1680 My '64.

COLCHIS—COINS, ANCIENT

[illegible], K V [Monetary circulation in Colchis during [illegible]] [illegible] obrashcheniia Kolkhidy v [illegible] [illegible]grad, Izd-vo Gos Ermitazha, [illegible] [illegible] p

COLD—PHYSIOLOGICAL EFFECT

[illegible] in the energetics of cold-induced [illegible] Iz [illegible] Kazakh SSR Ser [illegible]

COLD WEATHER CLOTHING see Clothing, Cold weather

COLD WELDING

[illegible]

COLITIS

[illegible] lesions in the [illegible] colitis [illegible] 22 no 6 [illegible]

COLLAGEN DISEASES

[illegible] of collagen [illegible] V I [illegible] [illegible]

[illegible] processes [illegible] V I [illegible] [illegible] '63

R[illegible] changes in the joints in collagen diseases V V Zo[illegible], P A Spasskaia Vest re[illegible] rad [illegible] My-Je '63

COLLECTIVE FARMS see subdivision under Kirghizistan

COLLECTIVE FARMS—ACCOUNTING

There is a need for precise instructions in introducing [illegible] accounting on collective farms M Mikhailo. Ekon sel'khoz 35 no 1 113-117 Ja '64.

COLLECTIVE FARMS—DESIGN AND CONSTRUCTION see subdivision under Vinnitsa Province

COLLECTIVE FARMS—FINANCE
(see also subdivision under Gzhatsk District, Stavropol Territory, Ukraine)

[illegible] collective farms and long-term [illegible] 22 no 7 1[illegible]-2[illegible] [illegible] 4

COLLECTIVE FARMS—INTERFARM COOPERATION see subdivision under Ukraine, Zhitomir Province

COLLECTIVE FARMS—LAWS AND LEGISLATION

Pervushin, A. G., and N. A. Sinitsyn. [Rights and duties of the members of collective farms] Prava i obiazannosti chlenov kolkhoza. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 120 p.

COLLECTIVE FARMS—MANAGEMENT see subdivision under Solenoye District

COLLECTIVE FARMS—TAXATION

Income tax from collective farms K. Karpov. Ekon sel'khoz 34 no 12 60-63 D '63.

COLLECTIVE FARMS—VALUATION

Economic valuation of agricultural land based on its feed productivity I. Zamyslov Ekon sel'khoz. 35 no 1 94-99 Ja '64

COLLISIONS (NUCLEAR PHYSICS)

Adiabatic approximation in collision theory G V Dubrovskii Vest LGU 19 no 10 5-10 '64

Focusing of atomic collisions in crystals R I Garber, A I Fedorenko Usp fiz nauk 83 no 3 385-432 Jl '64

Effect of elastic scattering on resonance charge exchange in slow collisions. B M Smirnov. *Dokl AN SSSR* 157 no. 2 325-327 Jl '64

Energy exchange in collisions of hard-walled particles. V.B Leonas. PMTF no.6:124-127 N-D '63.

π-p Collisions at high energies. N.N. TSilosani. Trudy Inst.fiz.AN Gruz.SSR 9 67-75 '63.

COLLOIDS
(see also subdivision under Dolina Oil Field)

Geometric modification of a skeleton of xerogels. Part 2. N.V.Akshinskaia, A.V.Kiselev, IU.S.Nikitin. Zhur.fiz.khim. 37 no 4:927-928 Ap '63.

COLOMBIA—POLITICS AND GOVERNMENT

Operation Marquetalia. V. Listov. Nov. vrem. 21 no 28 27-29 Jl '64.

COLON (ANATOMY)—CANCER

Problems in the surgical treatment of cancer of the large intestine. G.P.Zaitsev, V.I.IUkhtin. Vop.onk. 10 no.2:61-67 '64.

COLON (ANATOMY)—SURGERY

Surgical treatment of nonspecific ulcerative colitis M I Lytkin Vest.khir 91 no 10 125-133 O '63.

COLON (ANATOMY)—ULCERS

Surgical treatment of nonspecific ulcerative colitis. M I Lytkin Vest khir 91 no 10 125-133 O '63

COLONIES

Akademiia nauk SSSR. Institut narodov Azii. [Colonialism yesterday and today] Kolonializm vchera i segodnia. Moskva, Izd-vo "Nauka," 1964. 314 p.

COLOR CENTERS

Formation of color M-centers in KCl single crystals T. Sh. Davitashvili. Trudy Inst. fiz. AN Gruz. SSR 9 153-157 '63

COLOR MOTION-PICTURE PHOTOGRAPHY

Requirements of exposure conditions in copying motion-picture films on multilayer materials by the duplication method N B Varshavskaia, T N Levenberg, L K Lokutsievskaia Usp nauch fot 8 172-178 '62

Some problems of the improvement of color reproduction and sharpness of positive color films IU B Vilenskii, A N Iordanskii, N N Budarina. Usp nauch. fot. 8 13-20 '62

Statistical analysis of the densimetric properties of the color image in motion-pictures N P Adashev, IU N. Gorokhovskii Usp nauch. fot 8 134-135 '62

COLOR MOTION-PICTURE PHOTOGRAPHY—FILMS

Black anti-halation layer for color films L V Rozental' and others Usp nauch fot 8 67-71 '62

Dependence of the resolving power of multilayer color films on the sequential arrangement of the layers M I Barro and others Usp nauch fot 8 21-28 '62

Effect of light diffusion in the top layer of a multilayer film on the resolving power of the underlaying layer Z I Grazianskaia, P T Sidorenkova Usp nauch fot 8 29-34 '62

Increasing the sensitivity and resolving power and improving the quality of color reproduction negative color motion-picture films I. M Kilinskii, IU. B. Vilenskii, A N. Iordanskii Usp. nauch fot 8 3-12 '62.

COLOR OF PLANTS

Relation of the copper and manganese content in beans to their color T S Samofal Vop pit. 22 no. 6 70-74 N-D '63

COLOR PHOTOGRAPHY

Characteristics of the masking color components made of pyrazolin arylazo derivatives and anilides of 1, 2-hydroxynaptholc acid B. S Portnaia and others Usp nauch fot 8 35-43 '62

Effect of non-diffusing color components on the optical sensitization of silver halide emulsions E B Lifshits, S V. Natanson, I I Levkoev Usp nauch. fot 8 44-45 '62

Effect of the spectrum distribution of the sensitivity of the layers of negative multilayer films on color reproduction IU N Gorokhovskii, K B Popova Usp nauch fot 8 146-154 '62

Graphic analysis of color reproduction D. K Balabukha Usp nauch fot. 8 161-171 '62

Methods for the gradation of color densitometers L. K. Krupenin, G S. Baranov Usp nauch fot. 8 263-272 '62

Sensitometry of reversal color films. G S Baranov and others Usp nauch fot 8 210-215 '62.

Simplified sensitometric control in color photographic processes A N Uspenskii Usp. nauch. fot 8 273-278 '62

Zonal system of three-color coordinates as applicable to color photographic processes. N S. Ovechkis, L. F. Artiushin, M N Gerasimovich Usp nauch fot 8 155-160 '62

COLOR PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Deviation from the standard color developing method and its effect on the quality of the color image. V IA. Mikhailov. Usp nauch fot 8 88-91 '62

Effect of color developing conditions on the light sensitivity of multilayer films IU. N Gorokhovskii. Usp. nauch fot 8 72-78 '62

Investigating the processing of negative color films by means of coating with the processing solutions. A Vzhesinskii, N. I Kirillov Usp nauch. fot. 8:79-87 '62

COLOR PHOTOGRAPHY—FILMS

Investigating the non-diffusing reducing agents for multilayer color films V A Bogoliubskii and others Usp. nauch. fot. 8:61-66 '62

COLOR PHOTOGRAPHY—PRINTING PROCESSES

Characteristics of the densitometry of color printing papers and determination of dye concentrations in the separate layers V M Bakhvalov Usp. nauch. fot 8 216-224 '62

Effect of light absorption by the matrix film on the gradation of the washed off relief S. A. Bongard, M I. Vinitskaia Usp nauch. fot 8 92-98 '62.

Investigating the relief image on the matrix film. S. S. Savko Usp nauch. fot. 8:97-105 '62

COLORED GLASS see Glass, Colored

COLORIMETERS

Automatic AKN-57 colorimeter. V. I. Stebelianskii. Mash. i neft. obor. no. 11:17-19 '63.

Measuring the liquid-drop carry-off by a gas flow using a colorimeter. A. L. Saltykov, B. P. Shevelev. Khim i tekh. topl. i masel 9 no. 5:65-67 My '64.

COLORIMETRY

Determination of blood sugar by the photoelectrocolorimeter with an anthrone reagent P M [illegible] Lab delo no 6 343-345 '64

Highly sensitive micromethod for photometric determination of phosphorus. G. A. Uzbekov, M. G [illegible]. Lab delo no. 6 349-352 '64.

New photocolorimetric method for determining [illegible] in drugs [with summary in English]. N. P. IAvorskii Apt. delo 12 no. 2:56-59 Mr-Ap '63.

Photocolorimetric determination of phenol in [illegible] preparations M P IAvors'kyi, M M. [illegible] [illegible] matsev zhur. 18 no 4 34-39 '63

Photocolorimetric method for quantitative determination of atropine sulfate and belladonna extract in [illegible] mixtures D V. IAshchenko Farmatsev zhur. 18 no 4 46-51 '63

Preparation and use of a stabilized diazonium salt for the colorimetric determination of vitamin B_1 [with summary in English]. A. M. Aliev. Apt. delo 12 no. 2;50-55 Mr-Ap '63.

COLUMBIUM see Niobium

COMBUSTION

Burning of drops of fuel in a heated air flow. L. A. Klíachko, A. V. Kudriavtsev. PMTF no. 6:80-89 N-D '63.

Mechanism of the burning of smokeless powder at elevated pressures. A. F. Beliaev, S. A. TSyganov. Dokl. AN SSSR 157 no. 2:378-380 Jl '64.

Model representing the burning of nonvolatile explosives E. I. Maksimov, A. G. Merzhanov. Dokl. AN SSSR [illegible] no. 2,412-415 Jl '64.

Process of combustion of model two-component oxidizing agent--fuel mixtures. P. F. Pokhil, L. D Romodanova, O P Rysakova-Romashkan. Zhur. fiz khim 36 no. 6;1331-1332 Je '62.

Use of the constant-volume bomb technique in measuring flame velocity. V.S. Babkin, L.S. Kozachenko, I. I. Kuznetsov. PMTF no. 6;128-131 N-D '63.

COMBUSTION, SPONTANEOUS

Self-ignition of porous fiberboard. N. P. Smirnova. Sbor. rab. pozh.-ispyt sta no. 3 76-77 '63.

COMBUSTION, SPONTANEOUS—SAFETY MEASURES

Apparatus for determining the initial stage of the spontaneous combustion of coal in a caved-in mine area. [illegible] Ibikus, A. G. Volkov. Nauch. trudy KNIUI no. 11:152-15[illegible] '62.

COMBUSTION RESEARCH

Self-teaching system for optimizing a combustion process IU. M. Chekhovyi. Avtomatyka 9 no. 3:41-53 '64

COMETS

Effect of photodissociation on the distribution of surface brightness in the carbon atmosphere of comets. D. O. Mokhnach. Dokl AN SSSR 157 no. 2:309-312 Jl '64.

COMMERCE

Brief news. Mir. ekon i mezhdunar. otn. no. 6 111-11[illegible] '64

The pressing requirement of our time A. Bykov. Vnesh torg. 44 no. 5 3-6 '64

COMMERCIAL AGENTS

Announcements. Vnesh. torg. 44 no. 5:60-60 '64.

COMMERCIAL POLICY

Discrimination in the international merchant marine. R Guberman. Vnesh. torg. 44 no. 5 32-35 '64.

New books published abroad. Mir. ekon. i mezhdunar. otn. no 7.150-157 '64.

COMMERCIAL PRODUCTS

[New consumer goods; information bulletin] Nov. tov.; inform. biul. nos. 6-7 '64.

COMMUNICABLE DISEASES

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina,
  Vol. 6. [Infectious diseases in children] Infektsionnye bolezni v detskom vozraste. Red. toma M. M. Bubnova. 1964. 680 p.
  (DNLM)

[Multivolume manual on the microbiology, clinical aspects and epidemiology of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina,
  Vol. 4. [Clinical aspects, pathology, diagnosis and treatment of infectious diseases and parasitic infestations. Antibiotics] Klinika, patologiia, diagnostika i lechenie infektsionnykh i invazionnykh boleznei. Antibiotiki. Red. G. P. Rudnev. 1964. 661 p.
  (DNLM)

Reviews. E. A. Khrushcheva. Lab. delo no. 6:362 '64.

Kiev. Institut infektsionnykh boleznei. Annotatsii nauchnykh rabot Instituta infektsionnykh boleznei, opublikovannykh v 1961 godu. Abstracts of scientific papers of the Institute of Infections [sic] Diseases of the Ministry of Health of the Ukrainian SSR published in 1961. Kiev, Gos. med. izd-vo USSR, 1962.
(DNLM)

COMMUNICATION

Azar, V. I. [Use of visual aids in propaganda] Nagliadnost' v propagande. Moskva, Gos. izd-vo polit. lit-ry, 1951. 46 p. (Bibliotechka propagandista)
(MGU)

COMMUNICATION AND TRAFFIC—MANAGEMENT

Svoboda, Emanuel. [Graphic control in communication enterprises. Translated from the Czech] Graficheskii kontrol' na predpriiatiiakh sviazi. Moskva, Sviaz'izdat, 1961. 110 p.

COMMUNISM
(see also subdivision under Lithuania; Underdeveloped Areas)

Apresian, G. Z., and others. [Problems of historical materialism and scientific communism] Voprosy istoricheskogo materializma i nauchnogo kommunizma. [Moskva] Izd-vo Mosk. univ., 1964. 260 p.

The building of communism in the U. S. S. R. is the great international task of the Soviet people B Ponomarev Kommunist 41 no 11 36-61 Jl '64

Bestinskii, V.A. [Peculiarity of the leap in the transition from socialism to communism] O svoeobrazii skachka pri perekhode ot sotsializma k kommunizmu. Moskva, Izd-vo 'Mysl'," 1964. 55 p.

Communism is the highest realization of humanism Kommunist 41 no 11 62-77 Jl '64

Concept of "economic cell" and its methodological significance for the economics of socialism N Khessin Vop ekon. no. 7 117-128 Jl '64

Economics of socialism and national economic problems. M. Atlas and others Vop ekon no 7·104-116 Jl '64.

From N. S. Khrushchev's speech at the February Plenum of the Central Committee of the CPSU Energetik 12 no. 4 1 Ap '64

How the "Ostforschung" falsifies the program of the CPSU. D. I. Korolev. Ist. SSSR 7 no. 2;180-204 Mr-Ap '63.

From the Central Committee of the CPSU· The 100th anniversary of the founding of the First International. Kommunist 41 no 11 78-79 Jl '64

Hirysh, A. L. [Your labor and communism] Tvoi trud i kommunizm. Moskva, Politizdat, 1964. 94 p.

Karamyshev, V. A., comp. [Together with the people to the great goal] Vmeste s narodom k velikoi tseli. Moskva, Voenizdat, 1964. 319 p.
(MH)

Marxism-Leninism in the struggle against anticommunism. Mir ekon. i mezhdunar otn. no. 7 3-15 '64.

Mshvenieradze, V. V. [Anticommunism is the armor of the doomed] Antikommunizm-oruzhie obrechennykh. Moskva, 'Mysl'," 1964. 243 p.

Our ideal is general and complete prosperity. Kommunist 41 no 11 3-11 Jl '64

Rumiantsev, A. M., ed. [Communists and democracy; materials from the panel discussion held in the editorial offices of the journal "Problemy mira i sotsializma," Prague, January 1963] Kommunisty i demokratiia; materialy obmena mneniiami, sostoiavshegosia v redaktsii zhurnala "Problemy mira i sotsializma," Praga, ianvar' 1963 g. Prague, Izd-vo "Mir i sotsializm," 1964. 367 p. (Mezhdunarodnye diskussii marksistov)

A serious work on the philosophical problems produced by the transition from socialism to communism. V. A. Gorilanskii, T. D. Mangushev, V. I, Mishin. Nauch. dokl. vys. shkoly. filos. nauki 7 no. 2·147-151 '64

Work of the Scientific Council of the Academy of Sciences of the U. S. S. R. on the general problem "The laws of socialist development and the transition to communism." Sov. gos. i. pravo 34 no. 5;145-148 My '64.

Zerkin, D. P. [Communist production relations; the dialectics of the development and improvement of socialist production relations] K kommunisticheskim proizvodstvennym otnosheniiam; o dialektike razvitiia i sovershenstvovaniia sotsialisticheskikh proizvodstvennykh otnoshenii. Moskva, Izd-vo "Znanie," 1963. 43 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 14)

COMMUNISM—STUDY AND TEACHING

In the institutions of higher learning of a city. M. P. Alekseeva. Vest. vys. shkoly 22 no. 5 74-77 My '64

New school course, "Principles of scientific communism." Komm. Vooruzh. Sil 4 no. 19:39-42 O '63.

A system of reports is preferable. A. I. Shirokov. Vest vys. shkoly 22 no. 5:71-74 My '64.

Vital problems of teaching scientific communism in schools of higher learning. L. N. Kogan. Nauch. dokl. vys. shkoly. filos. nauki 7 no. 2:158-163 '64

Volkov, IU. E. [Communism as the bright future of mankind; textbook for students of secondary special schools of social sciences] Kommunizm—svetloe budushchee chelovechestva, posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Moskva] Vysshaia shkola, 1964. 43 p.

COMMUNISM AND ART

Kozlov, A. M. [Party character is the foundation of Soviet fine arts] Partiinost' - osnova sovetskogo izobrazitel'nogo iskusstva, Leningrad, Khudozhnik RSFSR, 1963. 92 p. (V pomoshch' esteticheskomu vospitaniiu)

Serov, Vl. A. [In the struggle for socialist realism; a collection of articles and speeches] V bor'be za sotsialisticheskii realizm, sbornik statei i vystuplenii. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 224 p.

Work for the people in the name of communism. Vest AN Kazakh SSR 19 no 5 3-5 My '63

COMMUNISM AND LITERATURE

The affirmative hero in Soviet literature A G Karakatenko Mat i soob. Issl otd. Inst po izuch SSSR no 48 40-50 '63

Spiritual opposition in Soviet society. IU V Dikov Mat i soob Issl otd Inst po izuch SSSR no 48 51-71 '63

Various stages of literature in the U S S R A A Shteininger Mat i soob Issl. otd Inst po izuch. SSSR no 48 5-18 '63.

With the people and for the people. Aleksandr Prokof'ev. Sov voin 46 no. 11;11 Je '64.

Work for the people in the name of communism. Vest. AN Kazakh SSR 19 no 5 3-5 My '63

COMMUNISM AND SCIENCE

The Leninist idea of the union of philosophy and science and the struggle for its realization in the U. S S. R. in the early thirties P V Alekseev Nauch dokl. vys shkoly. filos. nauki 7 no. 2 19-28 '61

Triumph of free labor and Leninist ideas. Komm. Vooruzh. Sil 3 no. 13.7-8 Jl '63.

COMMUNIST COUNTRIES—EDUCATION

In the schools of communist countries. IA. Ginevskii. Nar. obr. no. 7 97 Jl '61

COMMUNIST COUNTRIES—PHARMACY—CONGRESSES

International Symposium of the Socialistic Countries on the Technology of Pharmacy, Construction and Organization of Pharmaceutical Activity. A. K. Mel'nichenko, R. K. Aliev, I. A. Murav'ev. Apt. delo 12 no. 2:83-87 Mr-Ap '63.

COMMUNIST COUNTRIES—STATISTICS

Akademiia nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [National economy of socialist countries in 1963; reports of statistical administrations] Narodnoe khoziaistvo sotsialisticheskikh stran v' 1963 godu; soobshcheniia statisticheskikh upravlenii. Moskva, Ekonomika, 1964. 189 p.

COMMUNIST EDUCATION
(see also subdivision under Lithuania)

For each teacher. V. Protsenko. Nar. obr. no 6·102-105 Je '64

For the political literacy of students. V. O Tykhomyrova. Rad. shk 43 no. 5:36-38 My '64

Let's train them while we educate. I. S. Pyrogov Rad. shk. 43 no. 5 48-53 My '64

Let's unite education and training A. I. Zil'bershtein. Rad shk. 43 no 5:39-48 My '64.

[Program of the principles of communist education for groups, seminars and students studying individually within the Party educational system] Komunistinio auklejimo pagrindu programa rateliams, seminarams ir studijuojantiems pagal individualius planus partinio svietimo sistemoje. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 26 p. [In Lithuanian]

Science helps to build communism. Kommunist 41 no. 9;3-8 Je '64.

Zakladnaia, V. M., and O. P. TSelikova. [Self-education] O samovospitanii. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 12)

COMMUNIST ETHICS

Kabo, L. R. [Point of destination is life; articles and essays] Stantsiia naznacheniia - zhizn'; stat'i i ocherki, [Moskva] Mosk. rabochii, 1964. 215 p.

Pluses and minuses of an interesting work on ethics. N. V. Rybakova, T. V. Samsonova. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 2;152-154 '64.

Relation between material and moral stimuli to work in the period of the large-scale building of communism. V. K. Kiselev. Nauch dokl. vys. shkoly, filos. nauki 7 no. 2;29-36 '64.

COMMUNIST PARTIES

Adam Lopatka's "The Communist Party's leadership of a socialist state." V. V. Kravchenko. Sov. gos. i. pravo 34 no. 5;151-153 My '64.

Dissenters will not push world communism from the Leninist path. Kommunist 41 no. 9;79-86 Je '64.

The Hungarian Socialist Workers Party is for the unity of the international communist movement Bela Biszko Kommunist 41 no 11 102-109 Jl '64

Loyalty to the principles of Marxism-Leninism. Shkola i proizv. 8 no. 5 2-4 My '64.

Revolutionary science and the present L Il'ichev. Kommunist 41 no 11 12-35 Jl '64

Truth against dogma. A. Bovin. Nov. mir 39 no. 10: 174-190 O '63.

COMMUNIST PARTY see subdivision under China; France; Japan; Lithuania, Transcarpathia

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Odessa, Ukraine; Vologda Province)

Carry the banner of communist ideology high. Komm. Vooruzh. Sil 3 no. 13;2-6 Jl '63.

Glorious and majestic road. A. Abadzhan. Komm. Vooruzh. Sil 3 no. 13.42-49 Jl '63.

In the struggle for putting into practice the decisions of the June Plenum of the Central Committee of the CPSU; from the editor's mail. Komm. Vooruzh. Sil 4 no. 19: 51-57 O '63.

It is a high honor to be a member of the CPSU. F. N. Petrov. Komm. Vooruzh. Sil 4 no. 19:43-50 O '63.

Kommunisticheskaia partiia Sovetskogo Soiuza. [Program. Statute] Programma. Ustav. Moskva, [Politizdat] 1964. 287 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. TSentral'nyi Komitet. Plenum. [Plenum of the Central Committee of the Communist Party of the Soviet Union, February 10-15, 1964, verbatim report] Plenum TSentral'nogo Komiteta Kommunisticheskoi partii Sovetskogo Soiuza, 10-15 fevralia 1964 goda; stenograficheskii otchet. Moskva, Politizdat, 1964. 639 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. TSentral'nyi Komitet. Plenum. [Plenum of the Central Committee of the Communist Party of the Soviet Union, June 18-21, 1963; verbatim report] Plenum TSentral'nogo Komiteta Kommunisticheskoi partii Sovetskogo Soiuza 18-21 iiunia 1963 goda, stenograficheskii otchet. Moskva, Politizdat, 1964. 318 p.

Korolev, B. I. [The Party was the inspirer and organizer of the victory of the Great October Socialist Revolution, from March to October, 1917] Partiia — vdokhnovitel' i organizator pobedy Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii (mart-oktiabr' 1917 g.) Moskva, Politizdat, 1964. 61 p. (Metodicheskie sovety propagandistam i samostoiatel'noi izuchaiushchim istoriiu KPSS)

Moscow. Akademiia obshchestvennykh nauk. [Against the falsification of the history of the CPSU] Protiv fal'sifikatsii istorii KPSS. Moskva, "Mysl," 1964. 238 p.

Nakoriakov, V. N. [Closer to life and production] Blizhe k zhizni, k proizvodstvu. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 11)

[The party-state control in operation] Partiino-gosudarstvennyi kontrol' v deistvii. Moskva, Sovetskaia Rossiia, 1964. 155 p.

Petrov, I. F. [Strategy and tactics of the Bolshevik Party in the preparation of the October Revolution, March-October 1917] Strategiia i taktika partii bol'shevikov v podgotovke pobedy Oktiabr'skoi revoliutsii (mart-oktiabr' 1917 g.) 2., perer. i dop. izd. Moskva, Politizdat, 1964. 462 p.

Powerful Union of Soviet Republics. Voen. vest 42 no. 12 3-8 D '62.

Sidorov, A. I. [The supreme organ of the CPSU] Verkhovnyi organ KPSS. Moskva, Izd-vo "Mysl'," 1964. 151 p.

Struggle of the Bolshevik Party under V. I. Lenin's guidance for peace and against the Trotskiists and "left-wing" communists from October, 1917 to March, 1918. I. D. Krasil'nikov. Uch. zap. kaf. ist. KPSS no. 4,116-144 '64.

They have the right to their former or similar work. Komm. Vooruzh. Sil 4 no. 13:38 Jl '64.

Value of confidence of Communists. Komm Ukr. 39 no 1;18-25 Ja '64

COMMUNIST PARTY OF THE SOIVET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
(see also subdivision under Lithuania; Rostov Province; Ukraine; Vologda Province)

According to Lenin's principles. Sov. shakht. 11 no. 12; 2-3 D '62.

Arustamov, S. B. [The banner of our struggle; Marxist-Leninist theory lights the road of our practical work] Znamia nashei bor'by; marksistsko-leninskaia teoriia osveshchaet put' praktike. Moskva, Politizdat, 1964. 71 p. (Bibliotechka molodogo kommunista)

Consolidation of rural party organizations in the Ukraine and the increased role of these organizations in the development of communal stockbreeding from 1953 to 1959. G. A. Borovikov. Uch. zap. kaf. ist. KPSS no. 4;36-62 '64.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK (Continued)

[illegible] the consolidation of [illegible] A. A. [illegible] 91-115

[illegible] Communist Party of [illegible] activity during [illegible] War, 1941-1945 [illegible] 135-131 '62

[illegible] for [illegible] Komm [illegible] '64

[Manual for the party worker] Spravochnik partiinogo [illegible] Moskva, Politizdat, [illegible] 1964. 445 p.

[illegible] [Party meetings] Partiniai susirinkimai. Vilnius, Valstybinė politinės ir mokslinės lit-ros leidykla, 1964. 47 p. [In Lithuanian]

[illegible] Komm Ukr [illegible]

[illegible] helps to build communism Kommunist 41 [illegible] Je '64

[illegible] agement P. E[illegible] Komm. Ukr [illegible]

[illegible] is a guarantee of success [illegible] Komm Ukr 39 no 1 31-37 Ja '64

The warm-up I. Grivennyi. Sov shakht 11 no. 12:24-25 [illegible] '62

We are holding fast to the road of communism. Sov. shakht. 12 no. 9 4-5 S '63.

W[illegible] Sov shakht 12 no. 1 2-4 Ja '63

[illegible] workers in Rozdol IU. Borod-[illegible] Ja '64

COMMUNIST REVISIONISM

[illegible] the struggle against anticom-[illegible] mezhdunar otn no 7 3-15 '64

COMMUNIST STATE

[illegible] The Communist Party's leadership of a socialist state." V. V. Kravchenko. Sov. gos. i pravo 34 no. 5 [illegible] My '64.

Perfil'ev, M. N. [Criticism of bourgeois "theories" of the Soviet state, aid for lecturers] Kritika burzhuaznykh "teorii" o Sovetskom gosudarstve, v pomoshch' lektoru. Moskva, Ob-vo "Znanie," RSFSR, 1964. 32 p.

Tumanov, V. A., ed. [Anticommunism is the ideological and political tool of imperialism, criticism of current anticommunism in the issues of state and law] Antikommunizm - ideino-politicheskoe orudie imperializma, kritika sovremennogo antikommunizma v voprosakh gosudarstva i prava. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 287 p.

COMMUNIST YOUTH LEAGUE

Accounts and elections in Communist Youth League organizations. Komm. Vooruzh. Sil 4 no. 19 86-89 O '63

[illegible] leaders G Beliaein Sov. voin 46 no. 11 9-12 [illegible] '64.

Compilation of biographies. A. Baklanov. Komm. Vooruzh. Sil 4 no. 10 63-65 My '64.

Education by exploit. IU. El'chenko. Komm. Vooruzh. Sil 4 no 19 76-83 O '63.

Field training on the agenda. V. Lisitsyn and others. Starsh -serzh no. 6:4-5 Je '64

The first ones in the great campaign! IU. Ustinov. Sov voin 46 no. 12 1 Je '64

Group of voluntary propagandists. V. Mal'kov. Komm. Vooruzh. Sil 4 no. 19 83 O '63.

A guarantee, the conscience. V. Kazharskii. Komm. Vooruzh. Sil 4 no. 13:74-76 Jl '64.

Leninist relay race on its way N Chaldymov and others Sov voin 46 no 12:2-3 Je '64

A man is born V. Andriianov, L. Sotnik. Sov. shakht [illegible]

COMMUNISTS

Diukov, V. M., and S. D. Mogilat. [If your name is communist] Esli imia tvoe-kommunist. Moskva, Politizdat, 1964. 92 p.

COMMUNITY AND SCHOOL

(see also subdivision under Krasnodar Territory; Leningrad, Rostov Province; Sverdlovsk Province)

Assistance of local soviets. Nar obr no. 6:125-126 Je '64

[Children came to the club] V klub prishli deti. Moskva, Sovetskaia Rossiia, 1964. 223 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku," no. 8)

In the Ministry of Education of the R. S. F. S. R. Nar obr no 6 123-126 Je '64

School, family and community Nar obr no 6:1-5 Je '64

There is no indifference. E Musina Nar obr. no. 7:123-124 Jl '64

United effort of a collective farm and a school S Kletsen. Nar obr. no 6 59-61 Je '64

COMMUNITY CENTERS

[What we like our club to be like] Kakim my khotim videt' svoi klub. Moskva, Sovetskaia Rossiia, 1964. 154 p. (Bibliotechka V pomoshch' sel'skomu klubnomu rabotniku," no. 6)

COMMUNITY LIFE see subdivision under Kursk

COMMUNITY ORGANIZATION

(see also subdivision under Moscow)

Community participation in cultural and educational work of local soviets. M. P. Bannykh. Sov. gos. i. pravo 34 no. 5 117-122 My '64.

COMMUTATION (ELECTRICITY)

Mercury slip ring. IU. D. Tereshko, V. D. Kosach. Izm. tekh. no. 5:15 My '64.

COMPARATIVE ANATOMY see Anatomy, Comparative

COMPETITION, INTERNATIONAL

Creative symposium M. Barabanov. Mir. ekon. i mezhdunar otn no. 7:144-148 '64.

Moscow. Institut mezhdunarodnykh otnoshenii. [Imperialism and the crisis of world capitalism; textbook] Imperializm i krizis mirovogo kapitalizma; uchebnoe posobie. Pod red. E. IA. Bregelia. Moskva, IMO, 1964. 594 p.

COMPETITIONS—LAW

Smirnov, V. N. [Competitions under Soviet civil law] Konkurs v sovetskom grazhdanskom prave. [Leningrad] Izd-vo Leningr. univ., 1964. 74 p.

COMPLEMENT FIXATION

Complement fixation reaction with blood serums of farm animals as a method of detecting microfoci of tick-borne encephalitis V. S. Erofeev, L. I. Zhukova. Trudy TomNIIVS 14:20-21 '63.

Effect of penicillin and streptomycin on the process of the formation of compliment-fixing antibodies in brucellosis. A. A Navasardian. Izv. AN Arm. SSR Biol. nauki 16 no. 9.47-54 S '63.

Immunobiological reactivity of the organism in tick-borne encephalitis. A. A Stetkevich. Trudy TomNIIVS 14; 213-218 '63.

Preparation of antigens of lymphocytic choriomeningitis for complement fixation reaction. M. S. Zagromova. Trudy TomNIIVS 14:254-257 '63.

Production of a dry inactivated brain antigen of tick-borne encephalitis for complement fixation reaction. IU. V. Fedorov, L. A. Burenkova, R. A. Vidilina. Trudy TomNIIVS 14:247-250 '63.

Q rickettsiosis of sheep in Kirghizistan and the analysis of a complex method of diagnosing Q rickettsiosis and brucellosis by the complement fixation reaction. A. F. Timofeev. Izv. AN Kir. SSR. Ser. biol. nauk 6 no. 2:17-29 '64.

Study of antigens from attenuated strains of the virus of tick-borne encephalitis in complement fixation reaction. M. K Tiushniakova. Trudy TomNIIVS 14:251-253 '63.

Study of the complement activity of blood serum in rabbits with Brown-Pearce carcinoma IU. N Fal'kin Trudy Inst. klin i eksp. khir AN Kazakh. SSR 8.136-139 '62.

COMPLEMENTS (IMMUNITY)

Determination of the immunogenic capacity of serums producers by the alexin titer; author's abstract. N. D. Petrova, E. N. Pozdnova. Trudy Irk. NIIEM no. 6:107-108 '61.

COMPLEX COMPOUNDS

Catalytic properties of the complex compounds of metals with Schiff bases. A. S. Kudriavtsev and others. Zhur. fiz. khim. 36 no. 6:1382-1384 Je '62.

Investigating inner-complex compounds of a number of cations formed by Mannich bases. E. P. Trailina, I A. Savich, V I. Spitsyn Trudy LVMI 1:138-142 '62.

Particular features of the Mössbauer effect for tin compounds with coordination number 6. V. I. Gol'danskii and others. Dokl. AN SSSR 156 no. 2:400-403 My '64.

Spectrophotometric study of ascorbinate complexes. K P. Stoliarov, I. A. Amantova Vest. LGU 19 no. 10; 113-122 '64

COMPLEXONS

Determination of the solubility of a disodium salt of ethylenediaminetetraacetic acid (trilon B). P. S. Brulle, K. S. Merkulova Zhur. prikl. khim. 37 no 5 1155-1156 My '64.

COMPOSITAE

Examination of some representatives of the Compositae family for manganese and carotene content [with summary in English]. N. I. Grinkevich, N. S. Ignat'eva, L. N. Safronich. Apt. delo 13 no. 2:38-40 Mr-Ap '64

COMPRESSED AIR—INDUSTRIAL APPLICATIONS

Prospects for using air under high pressure in mining enterprises G. T. IAmkovoi Sbor nauch trud, Kr[illegible] no. 21 183-186 '63

COMPRESSED WOOD see Wood, Compressed

COMPRESSORS

Calculations of an axisymmetrical flow in the blading of an axial-flow blower using electronic calculating machines. N. I. Durakov, O. I Novikova. Teploenergetika 10 no. 10:35-38 O '63.

Circulation compressors for catalytic reforming and hydrofining units. V. V. Sredin, P. M. Tarasenkov Mash i neft. obor. no. 1:20-26 '64.

Evaluating the efficiency of the operation of the compressor stations of gas pipelines. A. V. Aleksandrov, V. D. Dobrokhotov. Gaz. prom. 9 no. 1:40-46 '63.

Golovintsov, A. G., ed. [Rotary compressors] Rotatsionnye kompressory. [By] A. G. Golovintsov i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 314 p.

New centrifugal blowers for air and gases. M. P. Mishchenko. Khim. mashinostr. no 1.13-13 Ja '63

Open unit for the equipment of compressor units. N. [illegible] Gribov. Gaz. prom. 8 no. 3:38-40 '63.

Shortcomings in the regulation of piston-type compressors by suction choking. V. V. Gusev. Prom. energ. 19 no. 6:21-22 Je '64.

COMPRESSORS—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref. zhur.: Nasosostr. i kompressorostr. no. 7 Jl '64.

COMPRESSORS—SAFETY MEASURES

Safety measures for combined construction and assembly work at compressor stations. A. V. Zhurkov. Stroi. truboprov. 8 no. 11:20 N '63.

COMPRESSORS—TESTING

Matorin, S. V., V. E. Lisichkin, and N. I. Mel'nikov. [Testing compressing machines] Ispytanie kompressornykh mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 182 p.

COMPRESSORS—VIBRATION

Vibration of piston-type compressors. P. A. Gladkikh Prom. energ. 19 no. 6:16-21 Je '64.

COMPULSORY EDUCATION see Education, Compulsory

COMRADES COURTS

Kuznetsova, N. F. [Discharge from criminal liability by the transfer of the case to a comrades court] Osvobozhdenie ot ugolovnoi otvetstvennosti s peredachei dela v tovarishcheskii sud. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 93 p.

Podoprigora, A. I. [Comrades courts in rural enterprises] Tovarishcheskie sudy na sel'skikh predpriiatiiakh. Moskva, Profizdat, 1964. 38 p. (Bibliotechka sel'skogo profsoiuznogo aktivista, no. 7(31))

CONCRETE

Crack resistance of concrete in large hydraulic structures A. V. Satalkin, N. A. Filimonov. Bet. i zhel. -bet. 10 no. 4:188-189 Ap '64.

Mironov, S. A., and L. A. Malinina. [Acceleration of the hardening of concrete] Uskorenie tverdeniia betona. Izd. 2., ispr. i dop. Moskva, Stroiizdat, 1964. 347 p.

Obtaining high-strength silicate concrete on a base of mine waste rock. S. F. Bugrim. Shakht stroi. 8 no. 4 15-17 Ap '64.

CONCRETE—FINISHING see subdivision under Kazan

CONCRETE, PRECAST see Precast concrete

CONCRETE BEAMS

Static and fatigue strength of reinforced concrete beams. G. M. Kanetsian. Izv. AN Arm. SSR. Ser. tekh. nauk 17 no. 2:53-60 '64.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

Economic efficiency of supports for horizontal workings in Kuznetsk Basin Mines. N. M. Denisov. Shakht. stroi. 7 no. 11:10-11 N '63.

Lining a crusher chamber with the help of a hanging scaffold. IA. L. Klykov and others. Shakht. stroi. 7 no. 3:20-21 Mr '63.

Mechanized erection of concrete supports in the Krivoy Rog Basin. E. M. Lialiea, A. G. Gorelykh, D. P. Trofimov. Shakht. stroi. 7 no. 11:19-22 N '63.

[illegible]

Plastics for combination shaft linings in potash mines G.P Kakulin, P.I Muchnik, Ch I. Nartova Shakht stroi. 8 no 4 6-7 Ap '64

Reinforcing and reconditioning the old shaft lining of the "Komintern" Mine M.K. Truman, A S Es'kov, A IA. Torgovitskii. Shakht stroi. 7 no. 11·22-24 N '63.

Reinforcing the inclined axial plane of an inclined mine shaft V.S Chichkan Sbor nauch trud KGRI no 21 169-172 '63

Testing the strength of bunton embeddings. A.S Bessmertnyi. Ugol' Ukr 8 no. 4;51-52 Ap '64

CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Heat engineering calculations for concrete supports erected in a zone of frozen ground. A. T. Miagkov. Shakht. stroi 7 no. 11:5-7 N '63.

CONCRETE CONSTRUCTION—FORMWORK

A heating form without the spiral. G. Poliakov. Nar. khoz. Kazakh. 22 no. 3,53 Mr '64.

CONCRETE MIXERS

I have mastered using mixing machinery. M.A. Sosedov. Transp. stroi. 13 no. 12;39 D '63.

CONCRETE PILING

(see also subdivision under Kaliningrad; Zaporozh'ye Province)

Calculating the piles of offshore drilling platforms for horizontal load using two bed factors. F.M. Gadzhiev. Azerb. neft. khoz. 43 no. 1;39-41 Ja '64.

CONCRETE PIPE see Pipe, Concrete

CONCRETE PLANTS

Automated concrete product plants. I.I Mokhov. Biul. stroi tekh. 21 no. 1:40 Ja '64

CONCRETE PLANTS—DESIGN AND CONSTRUCTION see subdivision under Chernigov Province

CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

Ivanov, V. F. [Fundamentals of the selection and calculation of the equipment of concrete mixing plants] Osnovy vybora i rascheta oborudovaniia betonosmesitel'nykh zavodov. Krasnoiarsk, Krasnoiarskii politekhn. In-t, 1963. 79 p.

CONCRETE PRODUCTS

Akademiia kommunal'nogo khoziaistva. Leningradskii nauchno-issledovatel'skii institut. [Album of precast reinforced concrete elements of enclosing structures for major repair of residential buildings; working drawings] Albom sbornykh zhelezobetonnykh konstruktsii perekrytii dlia kapital'nogo remonta zhilykh domov; rabochie chertezhi. [Leningrad] Akad. kommun. khoz., 1963. 115 p.

CONCRETE REINFORCEMENT

Gauge for calculating substitute material of reinforcement rods in reinforced concrete structures. B. Barishpol'skii. Stroi. i arkhit. 12 no. 5;36 My '64.

Mitrofanov, E. N. [Mesh reinforcement in structural elements; verbatim report of a lecture delivered December 26, 1962 as part of the course on "New developments in construction"] Rabota armotsementa v konstruktsiiakh; stenogramma lektsii, prochitannoi 26 dekabria 1962 goda po tsiklu "Novoe v stroitel'stve." Leningrad.

Pt. 1. 1964. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Stroitel'nye materialy i konstruktsii)

Transverse force in reinforcement of assembly junction arches. M.E. Pisiteyn. Transp. stroi. 13 no. 12; 48-50 D '63.

Zemskii, A. A. [Handbook for the concrete reinforcement worker] Pamiatka armaturshchika. Pod obshchei red. V. I. Makarova. [Leningrad] Lenizdat, 1963. 95 p. (V pomoshch' stroiteliu)

CONCRETE ROOFING see Roofing, Concrete

CONDENSATE OIL WELLS

(see also subdivision under Caucasus, Northern)

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut razrabotki neftianykh i gazovykh mestorozhdenii. [Development of gas condensate and oil fields] Voprosy razrabotki gazokondensatnykh i neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 171 p.

Calculating the condensation isotherm of gas condensate systems. K.P. Pokrovskii, E.E. Ramazanova. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1;80-84 '64.

Condensate gases as a raw material for the chemical industry. A.S. Velikovskii, IA. D. Savvina. Khim. i tekh. topl. i masel 9 no. 5:1-6 My '64.

Corrosion of the equipment used in gas condensate fields. V. F. Negreev and others. Gaz. prom. 8 no. 1;14-17 '63.

Effect of gas overflow between interlayers on the change in the productivity factor in time. R.K. Agaev, Z. M. Akhmedov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1; 39-42 '64.

Investigating the effect of water on the phase transformations of gas condensate mixtures A I Gritsenko. Gaz delo no. 4;3-11 '64

Investigation of residual condensate-saturation with consideration of connate water IA G Farzane Izv vys ucheb zav , neft' i gaz 6 no 5,47-51 '63

On the book by V. D. Malevanskoga "Open gassers and their control". M. Popiukaev, B. Vorob'ev, P. Strona. Neft. khoz. 41 no. 7·75 Jl '63.

CONDENSATION

Determination of the condensation coefficient from the rate of saturation of a confined space or of the effusion chamber space L. P Firsova. Zhur fiz khim. 36 no. 6;1332-1334 Je '62.

CONDENSATION PRODUCTS (CHEMISTRY)

Characteristics of a furfurole-acetone monometer. G.K Utkin, V.N. Kozlov. Izv. vys ucheb. zav., les zhur., 6 no. 6;142-148 '63.

Condensation of aldehydes and ketones. Part II: Configuration of 4-R-2,3-cyclohexanobicyclo[3,3,1]-nonan-2-ol-9-ones. I. Pit'ga, M.N. Tilichenko, V.G. Kharchenko. Zhur. ob. khim. 34 no. 6;1936-1938 Je '64

Diene condensation of gem-substituted butadiones. N P Sopov, M. L Kovner Zhur ob khim 34 no 5,1496-1499 My '64

CONDENSERS (ELECTRICITY)

Automatic switching-in of condenser discharge resistors. A G Komogortsev. Energetik 12 no 4 16-17 Ap '64

Automatic switching-in of condenser discharge resistors. I Kh. Muratov Energetik 12 no. 4 15-16 Ap '61.

Effect of cation exchange in condenser paper on the dielectric losses in the saturating substance D S Varshavskii. Izv. vys. ucheb. zav.; elektromekh. 7 no. 6;760-763 '64.

CONDENSERS (ELECTRICITY)—TESTING

Measurement of the capacitance of high-frequency condensers under operating voltage G S. Khamula Elek sta. 35 no. 4 82-83 Ap '64.

CONDENSERS (STEAM)

Substituting cylindrical condensers for lense condensers P. A. Kozodaev. Khim. mashinostr. no. 1;38 Ja '63.

CONDENSERS (VAPORS AND GASES)

Shell and tube condensers for combined units of petroleum refineries. V.M. Shmerkovich. Mash. i neft. obor. no. 3;14-16 '63.

CONDITIONED RESPONSE

Changes in higher nervous activity and some autonomic reactions in a long stay in conditions of relative adynamia and isolation N.A Agadzhanian and others. Zhur. vys nerv deiat 13 no 6 953-962 N-D '63.

Changes in motor food conditioned reflexes in pigeons following lesion of the paleocortex N L. Krushinskaia. Zhur vys. nerv. deiat. 13 no 6 1077-1086 N-D '63

Chronaximetric analysis of cases of difficult formation of motor conditioned reflexes in man E. Cytawa, Wl. Stonzka Zhur. vys nerv deiat. 13 no 6,987-994 N-D '63

Conditioned inhibition in dogs with a unilaterally removed thalamus. L N Gavrilova Zhur. vys nerv. deiat. 13 no 6 1039-1046 N-D '63

Correlation of lacrimal and salivary secretions during the development of conditioned reflexes from different receptor zones. I. A. Lapina. Zhur. vys. nerv deiat. 13 no. 6;1047-1051 N-D '63.

Data on the interaction of nutritional and acid-defensive conditioned reflexes. N. E. Vasilevskaia, T. K. Nabokina. Nerv. sist. no. 3;101-109 '62.

Effect of 5-hydroxytryptophan (serotonin precursor) on food-procuring conditioned reflexes in rabbits. M. L. Voronina, N A. Tushmalova. Zhur. vys. nerv deiat 13 no 6;1071-1076 N-D '63.

Effect of prolonged use of cardiac glycosides on higher nervous activity. D. I. Sapegin. Farm. i toks. 26 no. 1: 7-10 Ja-F '63.

Effect of pyridrol on the conditioned reflex activity in dogs. A. IA. Mekhedova. Zhur. nevr. i psikh. 64 no. 5· 771-777 '64.

Effect of removal of the neocerebellum on situational conditioned reflexes in dogs. I. V. Maliukova. Zhur. vys. nerv. deiat 13 no. 6:1052-1058 N-D '63.

[illegible]

SSR 34 no. 1:175-180 Ap '64.

Functional roles of the auditory and motor analysers in the development of a generalization in the first and second signal systems. V. N. Zakliakova. Zhur. vys. nerv. deiat. 13 no. 6;980-986 N-D '63.

[illegible]

[illegible]

Localization of function in the rat cerebral cortex. Report No. 3: Visual and auditory conditioned response in rats following preliminary removal of the temporal and occipital lobes of the brain at an early age. Dang Thhu Biul. eksp. biol. i med. 56 no. 8;17-21 Ag '63.

Methodology of recording conditioned blinking reflexes in young children V A Osepian Zhur vys nerv deiat 13 no 6 1101-1104 N-D '63

Reproduction of experimental chronic coronary insufficiency. M. L. Kobakhidze. Trudy Inst klin. i eksper. kard. AN Gruz. SSR 8;401-406 '63

Review of Christian Astrup's book "Schizophrenia Conditional reflex studies" (in English) A S Chistovich Zhur vys. nerv. deiat 13 no. 6 1111-1115 N-D '63

Role of certain analysors in the development of a conditioned shifting in the first and second signal systems A N Znamenskaia Zhur vys nerv. deiat 13 no 6 1010-1017 N-D '63

Role of disorders in corticofugal influences in pathology of the orientating reflex in schizophrenia patients E A. Kostandov Zhur vys nerv deiat 13 no. 6,995-1009 N-D '63

Significance of rapid fluctuations of the potential in the mechanism of closing the temporary connection R. S. Mnukhina. Nerv. sist. no. 3;119-124 '62.

Significance of signal stimuli for human muscular work capacity. Report No. 2: Characteristics of conditioned reflexes related to various work stages. O. V Osipova. Nerv. sist. no. 3;167-176 '62

Significance of typological characteristics of higher nervous activity in the genesis of tumors caused by cancerogenic substances L. L Maliugina, A. I Mironova, V K Fedorov, L M Shabad. Zhur vys nerv deiat 13 no. 6·1097-1100 N-D '63.

Simplified model of an automatic device for the study of motor defensive conditioned reflexes G. I. Mil'shtein S V Panov. Zhur vys nerv deiat 13 no 6 1105-1107 N-D '63

State of the higher nervous activity in atherosclerosis. K. I. TSintsadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;83-92 '63.

Trace conditioned reflexes in lower monkeys O P Bolotina, B V Pavlov, A F. Zemlianaia Zhur vys nerv deiat. 13 no 6 1032-1038 N-D '63.

CONDUCTOMETRIC ANALYSIS

Study of equilibrium in the system oxide - metal - gas by the electric conductivity method. E. S Vorontsov, A. V. Ermakov. Zhur. prikl. khim. 37 no. 5;1160-1162 My '64.

CONE

Some signs of the compression and tension of a cone. IU. V. Pokornyi. Dop. AN URSR no. 6;706-709 '63.

CONFECTIONERY

Changing the geographical distribution of confectionery factories. P. K. Popov. Khleb. i kond. prom. 6 no. 7. 17-20 Jl '62.

Vainshtein, L. B., and others. [Confectionery goods; assortment and formula manual for the confectionery industry of the U. S. S. R.] Konditerskie izdeliia; assortimentno-retsepturnyi spravochnik konditerskoi promyshlennosti USSR. Pod obshchei red. N. K. Fomenko. Kiev, Gostekhizdat USSR, 1963. 302 p.

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Production of fancy shaped children's cookies on the FPL and "Dela" moulding machines. I. P. Galkin. Khleb. i kond. prom. 6 no. 7;33 Jl '62.

Redesigning of the SD dough divider adapted for the packaging of halvah. I. G. Kats, S. A. Machikhin, A. P. Rysin. Khleb. i kond. prom. 6 no. 7;30-31 Jl '62.

CONFORMAL MAPPING

Conformal representation of the appearance of a disk with a hole in it and the application of this representation to the problems of flow about given regions. P. D. Karpenko. Prykl. mekh. 10 no. 2;198-204 '64.

Mappings, quasi-conformal in the mean. S. L. Krushkal'. Dokl. AN SSSR 157 no. 3;517-519 Jl '64.

Variation of a quasi-conformal mapping of a circular ring. S. L. Krushkal'. Sib. mat. zhur. 5 no. 1;236-239 Ja-F '64.

CONGLOMERATE see subdivision under Transbaikalia

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

Editorial comment. Nov. vrem. 21 no. 28;3-4 Jl '64.

The new situation in the Congo. IU. Bochkarev. Nov. vrem. 21 no. 27;9-12 Je '64.

CONGO RED

Possibility of using a medium with congo red in bacteriological examination of washings. V. E. Shneiderman, I. E. Gol'dberg, I. S. Oleinikov. Lab. delo no. 6·367-369 '64.

CONGRESSES AND CONVENTIONS

[Bulletin of international scientific meetings, conferences, and congresses] Biul. mezhdunar. nauch. s''ezd., konf. i kongr. nos. 1-3 '64.

[illegible]

[illegible]

CONIFERAE—[illegible] AND PESTS see subdivision under [illegible]

CONJUGATION (CHEMISTRY)

[illegible]

CONJUNCTIVA

[illegible]

CONNECTING RODS

[illegible]

CONNECTIVE TISSUES—DISEASES

[illegible]

CONSCIOUSNESS

[illegible] no. 7 [illegible]

[illegible] 2 111-115

[illegible] 77-7 [illegible]

CONSERVATION OF NATURAL RESOURCES
(see also subdivision under Kama Valley, Perm Province, Sverdlovsk Province, Ural Mountain region)

[illegible] no.2 3 '61

[illegible] natural resources [illegible] 17-22 '61.

Vserossiiskoe obshchestvo sodeistviia okhrane prirody i ozeleneniiu naselennykh punktov. [Statute of the All-Russian Society of Assistance to Conservation and Landscape Gardening in Populated Places] Ustav. Moskva, 1959 30 p
[MICROFILM]

CONSERVATION OF WILDLIFE see Wildlife, Conservation of

CONSTITUTIONAL HISTORY

Chernilovskii, Z. M., ed. [History of the bourgeois state and law, 1640-1917] Istoriia burzhuaznogo gosudarstva i prava (1640-1917). [By] K. I. Batyr i dr. [Moskva] Vysshaia shkola, 1964. 494 p.

CONSTRUCTION EQUIPMENT
(see also subdivision under Odessa).

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu [Performance of self-propelled cyclic building machines] Ekspluatatsionnye kachestva samokhodnykh stroitel'nykh mashin tsiklichnogo deistviia Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

Efficiency experts suggest. Transp.stroi. 13 no.12: 61-62 D '63.

Estimation of the reliability and longevity of building machines A. I. Astakhov. E. K. Maloletkov. Stroi i dor mash. 8 no.1. 15-17 D '63.

Make small machinery available to the construction of transportation systems. A D. Nirk Transp. stroi 13 no 12:32-34 D '63.

Overall mechanization of construction work is an important source of raising labor productivity. K. A. Sokolov. Transp. stroi 13 no.12 3-5 D '63

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila, Moskva, Stroiizdat.
Pt. 3, Sec. G. ch. 10, 5. [Crushing, milling, sorting, enriching, and agglomerating equipment; regulations of production and acceptance of work] Drobil'noe, razmol'noe, sortirovochnoe, obogatitel'noe i aglomeratsionnoe oborudovanie; pravila proizvodstva i priemki montazhnykh rabot (SNiP III-G. 10, 5-62) 1964. 26 p.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Construction equipment and road machinery] Ref. zhur.: Stroi. i dor. mash. no.7 Jl '64.

CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

CONSTRUCTION EQUIPMENT—DESIGN AND CONSTRUCTION

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie po snabzheniiu i sbytu produktsii tiazhelogo, traktornogo i stroitel'no-dorozhnogo oborudovaniia. [Catalog and reference manual on the adaptability of hydraulic and pneumatic systems to excavating, construction, and road machinery] Katalog-spravochnik primeniaemosti gidro- i pnevmosistem na ekskavatorakh, stroitel'nykh i dorozhnykh mashinakh. Moskva, Goslesbumizdat, 1963. 147 p

CONSTRUCTION EQUIPMENT INDUSTRY—PRODUCTION METHODS

Introduction of group method processing into small lot production G A Fedorov Stroi. i dor. mash 8 no 1. 29-30 D '63.

CONSTRUCTION INDUSTRY
(see also subdivision under Leningrad, Perm, Stavropol Territory; White Russia)

At the Exhibition of the Achievements of the National Economy of the U.S.S.R Sel' stroi 18 no 10·28 O '63

Delegates give interviews Zhil -kom khoz 13 no 10· 5-6 O '63

Extensive application of computer techniques in planning and directing construction Biul stroi tekh. 21 no 1· 3-4 Ja '64

For the good of the Soviet people. Komm. Vooruzh. Sil 3 no. 13, 86-87 Jl '63.

In the Ministry of Construction of the R. S. F. S. R Sel'. stroi 18 no 10 30-31 O '63.

In the State Committee on Construction of the Council of Ministers of the U. S S R Biul stroi tekh 21 no 1· 26-30 Ja '64

In the State Committees on Construction of the Union Republics Biul stroi. tekh 21 no. 1, 32-35 Ja '64

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Program on the economics of building, systems of political education for schools of economics, groups and seminars] Statybos ekonomikos programa; politinio svietimo sistemos ekonomikos mokykloms, rateliams ir seminarams. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 33 p.

List of specifications for planning and building approved by the State Committee on Construction of the Council of Ministers of the U. S S. R. during the 4th quarter of 1963 Biul stroi tekh 21 no 1 47-48 Ja '64

List of specifications for planning and building cancelled by the State Committee on Construction of the Council of Ministers of the U. S S R. during the 4th quarter of 1963 Biul. stroi tekh 21 no. 1 46 Ja '64

Measures for improving the management of the construction of enterprises of the chemical industry. Biul stroi. tekh 21 no 1 1-3 Ja '64

New Construction Specifications and Regulations A. N. Shkinev Biul. stroi tekh. 21 no 1 30-32 Ja '64

Technical information Sel' stroi. 18 no. 10:32 O '63.

These were at the Exhibition of the Achievements of the National Economy of the U. S. S R. I Makhnovskii. Zhil -kom khoz 13 no 9 16-17 S '63

CONSTRUCTION INDUSTRY—ACCOUNTING see subdivision under Karaganda Province

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—CONGRESSES

Fourth Trade Union Congress Zhil. -kom khoz. 13 no 10 3-4 O '63.

CONSTRUCTION INDUSTRY—COSTS

Basic technical and economic indices of the construction and operation of apartment houses. N. I. Aleksandrova. Nauch. trudy AKKH no.18:130-141 '62.

Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Potentials for a rise in labor productivity in construction and for lowering prime cost in construction assembly work] Rezervy rosta proizvoditel'nosti truda v stroitel'stve i snizheniia sebestoimosti stroitel'no-montazhnykh rabot. Moskva, Stroiizdat, 1964. 208 p.

Reduce expenditures for building materials. B. Lisitsyn. Fin. SSSR 38 no.7:32-36 Jl '64.

CONSTRUCTION INDUSTRY—ELECTRIC EQUIPMENT

Glushkov, G. N., and V. A. Denisov, and M. I. Kraitsberg. [Electrical equipment and power supply in construction] Elektrooborudovanie i elektrosnabzhenie stroitel'stva. Moskva, Stroiizdat, 1964. 310 p.

CONSTRUCTION INDUSTRY—FINANCE
(see also subdivision under Leningrad *Economic region)*

Deputy Minister of Finance of the U. S. S. R. replies, P. Maletin. Nar. khoz. Kazakh. 22 no. 3·52-53 Mr '64.

Important tasks of Construction Bank branches. Fin. SSSR 38 no.7:3-7 Jl '64.

Improving the financing of building organizations. I. Ponomarenko. Stroi. i arkhit. 12 no. 5:27-28 My '64.

The most important part of the financial plan of building work. Nar. khoz. Kazakh 22 no. 3:76-78 Mr '64

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Potentials for a rise in labor productivity in construction and for lowering prime cost in construction assembly work] Rezervy rosta proizvoditel'nosti truda v stroitel'stve i snizheniia sebestoimosti stroitel'no-montazhnykh rabot. Mosvka, Stroiizdat, 1964. 208 p.

Overall mechanization of construction work is an important source of raising labor productivity. K. A. Sokolov. Transp. stroi. 13 no. 12·3-5 D '63

Shumenkov, P. P., and L. D. Levchenko. [Ways of increasing labor productivity in housing construction] Puti povysheniia proizvoditel'nosti truda v zhilishchnom stroitel'stve. Moskva, Stroiizdat, 1964. 64 p.

CONSTRUCTION INDUSTRY—MANAGEMENT

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard regulations governing a deputy of a manager (chief) of economic problems and head economist of a building (assembly) trust. Approved by the State Committee for Construction on January 7, 1964] Tipovoe polozhenie o zamestitele upravliaiushchego (nachal'nika) po ekonomicheskim voprosam i glavnom ekonomiste stroitel'nogo (montazhnogo) tresta. Utverzhdeno Gosudarstvennym komitetom po delam stroitel'stva SSSR 7 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Stroiizdat, 1964. 5 p.

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

How to work out local standards of production. M. [illegible] Stroi. i dor. mash. 8 no. 12, 20-30 D '63

CONSTRUCTION INDUSTRY—STANDARDS

[illegible] komitet po [illegible] konsoli- [illegible] wells, [illegible] nykh smetnykh norm (SUSN) na stroitel'stvo neftianykh i gazovykh skvazhin, v normakh, deistvuiushchikh na 1/I 1961 g. Moskva, Stroiizdat, 1964. 361 p.

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Apply this in your work. Stroi i dor mash. 8 no. 12, [illegible] 28 D '63.

CONSTRUCTION WORKERS see subdivision under Petrozavodsk

CONTAINERS

Method for sampling and investigating separation petroleum samples. V. I. Gorolan. Neftoprom. delo no. 2:14-16 '63.

Stresses in the walls of soft containers when liquid petroleum products are transported in them by trucks. B. I. Petrakov. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:85-89 '64.

CONTAINERS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Fish and fishery products; auxiliary materials] Ryby i ryboprodukty; vspomogatel'nye materialy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 340 p. (SSSR. Gosudarstvennye standarty)

CONTINUED FRACTIONS see Fractions, Continued

CONTINUITY

Activity of the section on continuum mechanics of the Mechanics Seminar at the Institute of Mechanics of the Academy of Sciences of the Ukrainian S. S. R. A. T. Ulitko. Prykl. mekh. 10 no. 2, 231-234 '64.

CONTRACTS

Relations between enterprises and their superior governmental organs and the problem of contract liability. V. K. Mamutov. Sov. gos. i. pravo 34 no. 5:12-21 My '64.

CONTRACTURE

Etiology, pathogenesis and clinical aspects of Dupuytren's contracture. P. D. Topalov. Ortop., travm. i protez. 24 no. 12:36-41 D '63.

Formation of postural tonic contraction of mammalian muscles. N. F. Skorobovichuk. Nerv. sist. no 3:84-89 '62.

CONVERGENCE

Rapidity of convergence of Dubnov - Galerkin's method. A. V. Dzhishkariani. Zhur. vych. mat. i mat. fiz. 4 no. 2:343-348 Mr-Ap '64.

CONVERTERS—DESIGN AND CONSTRUCTION

Resin-dolomite-magnesite unfired refractories for steel smelting converters with a top oxygen blow A. N. Novikov and others. Ogneupory 29 no. 5, 197-200 '64.

CONVEYING MACHINERY
(see also subdivision under Black Sea Economic region)

Automatic control of feeders on mine stationary conveyor lines loaded at several points. N. I. Rebrov. Nauch. trudy KNIUI no. 11:171-181 '62.

Boretskii, M. M. [Devices for conveying and accumulating parts in automatic lines] Ustroistva dlia transportirovki i nakaplivaniia detalei v avtomaticheskikh liniiakh. Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 2) [illegible] of automation, [illegible] LNIIT no.11 [illegible]

[illegible]

[illegible] A. [illegible] 45 [illegible] '64

[illegible] [illegible of load carry [illegible] [illegible] 1964. [illegible]

[illegible] system, for [illegible] LNIIT no.11 [illegible]

[illegible] '64

[illegible] automatic [illegible] '63

[illegible] [illegible]

[illegible]

[illegible] [High power [illegible] Moskva, [illegible] 1964 [illegible] p.

[illegible] AND [illegible]

[illegible] LNIIT [illegible] '64

[illegible]

[illegible] MACHINERY [illegible]

[illegible]

[illegible] MACHINERY SAFETY APPLIANCES

[illegible] the effects of chain breakage [illegible]

[illegible] [illegible]

[MICROFILM]

[illegible]

[illegible] in the [illegible]

[illegible]

[illegible] PT see subdivision under Georgia

[illegible] TOWERS

[illegible]

[illegible]

COOPERATIVE AGRICULTURE see Agriculture, Cooperative

COOPERATIVE APARTMENT HOUSES see Apartment houses, Cooperative

COOPERATIVE CATALOGING see Cataloging, Cooperative

COOPERATIVE HOUSING see Housing, Cooperative

COPEPODA

(see also subdivision under Black Sea)

Survey of the family Centropagidae (Crustacea, Copepoda). [illegible] Zool. zhur. 42 no.10:1498-1502 '63.

COPPER

[illegible] copper [illegible] [illegible] '63

Corrosion of copper in the case of uneven distribution of oxidizing agents in solution. A.IU. Shatalov, I.A. Kravchenko. Zhur.prikl.khim. 37 no.5:1055-1063 My '64

COPPER CHLORIDES

Determination of the mobility of ions of cobalt and copper [illegible] in LiCl and HCl solutions. E.A. Kalinovskaia. Zhur.fiz.khim. 38 no.3:802-804 Mr '64

[illegible] '64

COPPER MINES AND MINING—EQUIPMENT AND SUPPLIES see subdivision under Degtyarka region (Sverdlovsk Province)

COPPER ORES see subdivision under Mugodzhar Hills, Ural Mountains, Pytan region (Kazakhstan)

COPPER OXIDE CRYSTALS—DEFECTS

Observation of [illegible] in copper oxide single crystals. A.I. Andrievskii [illegible] Fiz. [illegible] 6 [illegible] '64

COPPER PALLADIUM ALLOYS—THERMODYNAMICS

[illegible] '63

COPPER PLATING

[illegible] '64

Use of ultrasonic [illegible] copper [illegible] [illegible] 37 no.5:1051-1057 My '64

COPPER SULFIDES see subdivision under Georgia

COPYING PROCESSES—EQUIPMENT AND SUPPLIES

Moscow. [illegible] [illegible] Moskva, 1963. 34 p. [illegible]

CORAL REEFS AND ISLANDS see subdivision under Caucasus, Northern

CORALS, FOSSIL

(see also subdivision under Azerbaijan, Kazakhstan, Ural Mountain region)

[illegible] no.1:[illegible] '64

[illegible] no.1:[illegible] '64

CORES (ELECTRICITY)—MAGNETIC PROPERTIES

[illegible]

CORN (MAIZE)

(see also subdivision under Kabardino-Balkar A.S.S.R., Kazakhstan, Siberia, Western, Tambov Province, Vinnitsa Province, Virgin Territory)

[illegible]

[illegible] Vasileva [illegible]

Effect of [illegible] [illegible] '63

[illegible] '63

[illegible]

CORN (MAIZE)—DISEASES AND PESTS

Cultivation practices and corn diseases. [illegible] Zashch. rast. ot vred. i bol. 9 no.8: 33-34 '64.

CORN (MAIZE)—DRYING see subdivision under Dnepropetrovsk Province, Ukraine

CORN (MAIZE)—ECONOMIC ASPECTS see subdivision under Odessa Province

CORN (MAIZE)—FERTILIZERS AND MANURES see subdivision under Kazakhstan

CORN (MAIZE)—VARIETIES

[illegible]

[illegible]

Effect of corn silage enriched with sulfur containing ammonia [illegible] on the concentration of vitamins B[illegible] and B[illegible] in the [illegible] and blood of cattle. [illegible] Dop. AN URSR no.6:[illegible] '64.

Effect of feeding [illegible] on the physiological indices of pregnant cows during the dry period and their progeny. [illegible] '64.

CORN BREEDING

(See also subdivision under Armenia; Kabardino-Balkar A.S.S.R.)

Chlorophyll content of the leaves of hybrid corn and their parent forms. P.G. Fuchkov. [illegible] no.10:[illegible] '64.

Morphological and physiological heterogeneity of parent forms and the manifestation of heterosis in hybrid corn. P.G. Fuchkov. [illegible] no.10:[illegible] '64.

CORN OIL

Role of corn oil in [illegible] circulatory disorders. [illegible] Vop. pit. 23 no.6:[illegible] '64

CORN PICKING MACHINERY—TESTING

[illegible] the efficient performance [illegible] '64

CORNEA

[illegible] in the epithelium of the [illegible] of the [illegible] during [illegible] V.A. [illegible] 11 no.[illegible] '64.

CORNEA—WOUNDS AND INJURIES

[illegible]

CORONA (ELECTRICITY)

Aleksandrov, G.N. [Corona discharge on overhead power transmission lines] Koronnyi razriad na liniiakh elektroperedachi. Moskva, Izd-vo "Energiia," 1964. 227 p.

CORONARY HEART DISEASE

[illegible] and phosphorus metabolism within the heart in [illegible] coronary insufficiency. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63.

Morphology of compensatory reactions in the nervous system in acute coronary insufficiency without pronounced organic changes in the heart. G.M. [illegible] Trudy [illegible] '63

Morphology of compensatory reactions in the nervous system in [illegible] insufficiency with an acutely pronounced [illegible] coronary sclerosis. G.M. Tsvetkova. Trudy [illegible] '63

[illegible] N.N. Kobaladze, [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63

Shapiro, IA.E. [Ways for the prevention and treatment of coronary disease] Puti preduprezhdeniia i lecheniia koronarnoi bolezni. Moskva, Izd-vo "Znanie," 1964. 47 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no.11)

[illegible] of coronary insufficiency. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63

[illegible] coronary insufficiency and in a number of other diseases. A.N. Kabalov, [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63

Treatment of chronic coronary insufficiency by means of a bilateral ligation of internal thoracic arteries. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63

CORONARY VESSELS

Effect of [illegible] cobalt iodide on coronary circulation. L.S. Chikhladze [illegible]. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:451-456 '63.

Effect of some hydrazine derivatives of cobalt on coronary circulation. L.S. Gogoberidze, L.S. Chikhladze [illegible]. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:457-459 '63.

Effect of [illegible] on the coronary circulation. [illegible] Farm. i toks. 26 no.1:[illegible] Ja-F '63

Reproduction of experimental chronic coronary insufficiency. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:401-[illegible] '63.

CORONARY VESSELS—DISEASES

Atherosclerosis of the arteries of the conducting system of the heart and its role in the origin of arrhythmia. K.M. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63.

Immediate and late results of a bilateral ligation of the internal thoracic artery in chronic coronary insufficiency. [illegible] Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:[illegible] '63.

[illegible] (continued)

[illegible] ligature [illegible] and [illegible] system in coronary [illegible] M F Zhavoronkova [illegible] AN Gruz SSR 8 353-355 [illegible]

[illegible] amount of urine [illegible] in eosinopenia [illegible] Trudy [illegible] AN Gruz SSR 9 87-100 '63

[illegible] E I Chazov [illegible] AN Gruz SSR 8 417-419 [illegible]

[illegible] rheumatic fever [illegible] eksper kard AN Gruz. [illegible] '63

CORONARY VESSELS—LIGATURE

[illegible] experimental myocardial [illegible] ligation of the coronary [illegible] 15 217-225

[illegible] cortisone and diethylstilbestrol [illegible] degree in the development [illegible] experimentally induced [illegible] Gvishiani Trudy Inst [illegible] eksper kard AN Gruz SSR 8 431-435 '63

CORONARY VESSELS—RADIOGRAPHY

[illegible] coronarography Sh K Makharadze and others Trudy Inst klin i eksper kard AN Gruz [illegible] '63

CORONARY VESSELS—SURGERY

[illegible] coronary insufficiency E N [illegible] Trudy Inst klin i eksper. kard AN Gruz SSR 8 513-52[illegible] '63

CORRELATION (STATISTICS)

[illegible] analysis of basic factors affecting labor [illegible] M F [illegible] Ugol' 39 no 6 49-53 [illegible]

CORRESPONDENCE SCHOOLS AND COURSES

[illegible] correspondence and evening education [illegible] 23 no 5 3-6 My [illegible]

CORROSION AND ANTICORROSIVES

[illegible] oil fields of Bashkiria and its [illegible] Neft. khoz. 42 no. 3 42-49 Mr '64.

Determination of the absolute amount of H_2O_2 evolved in the atmospheric corrosion of metals L. L. Roikh. Zhur. fiz. khim. 31 no 6 1333-1337 Je '62

[illegible] caused by stalling cavitation and acoustic [illegible] in the liquid L B Kotliarskii, V. M. [illegible] Izv AN SSSR Mekh i mashinostr. no. 3 162-[illegible] My-Je '64

Protecting [illegible] alloys from corrosion in aqueous [illegible] by means of inhibitors V. F Negreev, A M [illegible], Z M Salam-Zade Dokl AN Azerb. SSR 20 no 3 27-30 '64

[illegible] corrosive. Mashinostroenie no. 1:112 Ja-F '64.

[illegible] the use of plastics to protect metal [illegible] from corrosion in the oil and gas industry abroad B I [illegible], M. L. Monina [illegible] 5 22 27 '64

Repair and operation of tube stills N N Nuriakhmetov. Neftepar i neftekhim, no 9 32-33 '63

Utilization of the waste products of the synthetic rubber manufacture as inhibitors of acid corrosion. V. A. [illegible] and others. Khim. prom. no. 4 307-310 Ap '64

CORROSION-RESISTANT MATERIALS
(see also subdivision under Great Britain)

Prospects of the development and introduction of the new types of steel in the manufacture of chemical machinery. M G Shapiro A. L. Belinkii N I. Moskvin. Khim. mashinostr. no 1 [illegible] 31 Ja '63

CORTICOSTEROIDS see Adrenocortical hormones; Steroids

[illegible]kov, L. K Titova. Re- [illegible] kh. anat., gist. i embr. [illegible]

[illegible] the organism of mice [illegible]neous infection M N. [illegible] 100-102 '63.

[illegible] reaction depending [illegible] Pat fiziol i eksp terap [illegible]

[illegible] PHYSIOLOGICAL EFFECT

Role of cortisone in changes of the reactivity of the body in experimentally modeled rheumatism V B Rozen and others Pat fiziol i eksp terap 7 no 6 17-20 N-D '63

CORUNDUM—THERMAL PROPERTIES

Kinetics of the deformation of corundum specimens on heating. I. G. Orlova, I. S. Kainarskii. Dokl. AN SSSR 157 no. 2 331-333 Jl '64

CORYNEBACTERIUM

Detoxication of a diphtherial anatoxin. S M. Preger, T. S D'iakonova Trudy TomNIIVS 14:199-201 '63

CORYNEBACTERIUM—CULTURES AND CULTURE MEDIA

Biochemical changes in media of tryptic digestion in the process of toxin formation by the diphtheria bacillus T L Miriutova, T S D'iakonova. Trudy TomNIIVS *14:195-198 '63*

Formation of a diphtheria toxin in the diffusion cultivation method. F. T. Zhidkova, A. G. Polteva. Trudy Irk. NIIEM no 6 63-75 '61.

Intensive scheme for the utilization of horses in the production of antidiphtherial serum. E. N. Pozdnova. Trudy Irk. NIIEM no. 6 76-80 '61.

COSMIC DUST

Conjecture about the nature of the luminous particles observed by astronauts. A. I. Lazarev. Dokl. AN SSSR 156 no. 2 306-307 My '64

COSMIC PHYSICS—CONGRESSES

Hyperstars are in the center of attention Priroda 53 no 7 108-110 '64

COSMIC RAYS

Cascade interations between particles and nuclei in the high-energy region. V. S. Barashenkov and others Atom. energ. 16 no. 6 515-517 Je '64.

Distribution of transverse impulses of strange particles N N. Roinishvili. Trudy Inst. fiz. AN Gruz. SSR 9 3-51 '63.

Fluctuations in extensive air showers. E. V. Gedalin. Trudy Inst. fiz. AN Gruz. SSR 9.65-66 '63

Role of K-mesons in the development of extensive air showers. E. V. Gedalin. Trudy Inst. fiz. AN Gruz. SSR 9 53-54 '63.

COSMOS (BOTANY)

Recent data on the morphology of the inflorescence of the species Cosmea bippinatus under the influence of X rays. N P. Beglarian. Izv. AN Arm. SSR. Biol nauki 16 no 2:53-58 F '63.

COST AND STANDARD OF LIVING
(see also subdivision under Siberia)

Aizenberg, L P. [For the welfare of man] Dlia blaga cheloveka. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriia; Ekonomika, no. 14)

Bolgov, V. I. [Leisure time and workers' living standards] Vnerabochee vremia i uroven' zhizni trudiashchikhsia. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 133 p.

Leisure time as an index of the living standard of workers. V. I. Bolgov. Izv. Sib. otd. AN SSSR no. 6:10-16 '62.

Our ideal is general and complete prosperity. Kommunist 41 no. 11 3-11 Jl '64

COSTA RICA—ECONOMIC CONDITIONS

Costa Rica and integration. E. Kosarev. Vnesh. torg. 44 no 5 35-38 '64

COSTS, INDUSTRIAL

Planning the reduction of the cost of industrial production according to the factors involved V. Kotov Plan. khoz 41 no 7 33-42 Jl '64

Problems of economics in the development of the production of catalysts for the petroleum industry. I. E. Gel'ms, B. N. Davydov. Khim. i tekh. topl. i masel 9 no 3:45-48 Mr '64.

COSTUME DESIGN

Design and development of clothing models to be made from standardized parts. N. I. Katsnel'son. Leh. prom. no. 2:19-21 Ap-Je '64.

COTTON

Changes in the characters of cotton hybrids under the effect of conditioning and the selection of seedlings at lower temperatures. O. V. Krattrov. Agrobiologiia no. 3:379-385 My-Je '64.

Changing the appearance of the cotton bush of the Gossypium Barbadense L. type. V. G. Kulebiaev. Agrobiologiia no. 3:404-408 *My-Je '64.*

Cytological and embryological characteristics of cotton grown from gamma irradiated seeds. Z. P. Pashchenko, D. Saidalieva, V. M. Nam. Uzb biol. zhur. 7 no. 1: *78-81 '63.*

Development rate of pollen and male gametophyte in cotton species V. A. Rumi Uzb. biol. zhur. 7 no. 1: 40-50 '63.

Effect of herbicides on weeds in cotton fields. R. Kamilova, E. G. Osipova. Uzb. biol. zhur. 7 no. 1:65-71 '63.

Importance of the contents of additional pollen tubes and cells of the growing tissues in the formation of cotton hybrids. L. I. Gurevich. Agrobiologiia no. 3:394-398 My-Je '64.

Localization of nucleic acids in relation to the rate of development of the embryo sac in cotton. N. A. Vlasova, L. E. Serebriakova. Uzb. *biol. zhur.* 7 no. 1:27-33 '63.

Significance of foreign pollen in cotton hybridization. D. V. Ter-Avanesian. Agrobiologiia no. 3:386-393 My-Je '64.

Some characteristics of the biological effect of radiation. N. N. Nazirov. Uzb. biol. zhur. 7 no. 1:5-16 '63.

COTTON—IRRIGATION see subdivision under Soviet Central Asia

COTTON—TRANSPORTATION

Transportation of raw cotton in tractor trains with turning trailers R. Guseinov. Avt transp. 42 no 6 [illegible] Je '64.

COTTON—VARIETIES

Nature of the development of cotton varieties and hybrids under various light conditions Z. M. Pu lovkina Agrobiologiia no. 3:369-373 My-Je '64.

Some methodical problems in the practical selection of cotton. M M. Rzaev. Agrobiologiia no. 3:399-403 My-Je '64.

COTTON—WATER REQUIREMENTS

Change in the indices of water balance in leaves of the 108-F cotton in relation to the dose of phosphorus nutrition. Kh. Samiev. Uzb. biol. zhur. 7 no. 1:51-54 '63.

Effect of ammonia and nitrate nutrition on the development and yield of cotton under the conditions of varying water supply. A. A. Umarov, G. I. IArovenko. Uzb. biol. zhur. 7 no. 1:17-19 '63.

COTTON BREEDING
(see also subdivision under Andizhan Province; Uzbekistan)

Controlled transformation of heredity in cotton. R. R. Kanash. Agrobiologiia no 3:352-357 My-Je '64

Effect of pistillate parent on the formation of heritability of cotton hybrids in direct and reverse crossings A. Zainishev. Uzb. biol. zhur. 7 no. 1:59-64 '63.

Overcoming the incompatibility of remote cotton species and the sterility of produced hybrids with the help of growth stimulators. R. I. Koval'chuk. Uzb. biol. zhur. 7 no. 1:20-26 '63.

Selectivity of the fertilization of cotton in relation to the age of generative elements. L. Inogamova. Uzb. biol. zhur. 7 no. 1:34-39 '63.

COTTON GROWING

SCHKH-4, 0 cotton close-hill-drop planter. M. Mekhtiev. Ekon. sel'khoz. 35 no. 1:03-04 Ja '64.

COTTON HOSIERY see Hosiery, Cotton

COTTON SPINNING see subdivision under Moscow

COTTON WILT see subdivision under Uzbekistan

COUMARIN

Coumarins from roots of Frangos Fedshchenkoi (Rgl. et Schmalh.) Eug. Kor. G. A. Kuznetsova, L. M. Sokolova Zhur. prikl. khim. 37 no. 5:1105-1110 My '64

COUMARIN—PHYSIOLOGICAL EFFECT

Depressive action of dicoumarin on the heart and the role of oxygen in this effect. IA. I Zaidler. Farm. i toks 26 no 1 64-66 Ja-F '63.

Effect of neodicoumarin on the coronary circulation. K. M Lakin Farm. i toks. 26 no. 1.66-72 Ja-F '63.

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

COUPLINGS

Designing electromagnetic sliding couplings for drilling rigs. V. S. Vartanov. Mash. i neft. obor. no. 1:13-17 '64.

Eliminating the seizing of threaded joints working at temperatures up to 700° C. G. M. Finkel'shtein. Vest. mashinostr. 44 no. 2:19-23 F '64.

Russia (1917- R. S. F. S. R.) Moskovskii gorodskoi ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. Nauchno-metodicheskii kabinet. [Toothed (splined) couplings; systematic manual for teachers of technical schools] Zubchatye (shlitsevye) soedineniia; metodicheskoe posobie dlia prepodavatelei tekhnikumov. *Moskva, 1963.* 36 p.

COURLAND LAGOON

Review of the book "Courland Lagoon" (in Lithuanian). V. I. Zhadin. Zool. zhur. 43 no. 1:161-163 '64.

COWHERB

Triterpenic glycoside vacaroside from seed cowherb. N. K. Abubakirov, K. Amanmuradov. Zhur. ob. khim. 34 no. 5:1661-1665 My '64.

COWS see subdivision under Grodno Province

COWS—DISEASES AND PESTS

Atypical case of rabies in a cow. F. E. Sal'nikov. Vest. sel'khoz. nauki (Kazakh.) 7 no. 6.46-49 Je '64.

Comparative evaluation of the therapeutic effectiveness of some tissue extracts in the functional disorders of the sexual sphere in cows. IU. A. Skripitsyn. Zap Vor. sel'khoz. inst. 17 no. 2:105-109 '62.

COWS—FEEDING AND FEEDS
(see also subdivision under White Russia)

Effect of feeding corn silage on the physiological indices of pregnant cows during the dry period and their progeny. V. E. Krasko. Trudy Bel. nauch.-issl. inst. zhiv. 3:315-322 '62.

[illegible]

[illegible], and D. A. Voronov. [Use of aluminum alloys in crane metal structures] Primenenie aliuminievykh splavov v kranovykh metallokonstruktsiiakh. Moskva, Mashinostroenie, 1964. 101 p.

CRANES, DERRICKS, ETC. HANDBOOKS MANUALS, ETC.

Danilov, P. P. [Safety manual for the operators of crawler cranes] Pamiatka po tekhnike bezopasnosti dlia mashinista gusenichnogo krana. Izd. 2., perer. Moskva, Nedra, 1964. 39 p. [illegible]

CRANES, DERRICKS, ETC. SAFETY MEASURES

Dolgikh, N. A. [Safety manual for operators of tower cranes] Pamiatka po tekhnike bezopasnosti dlia mashinista bashennogo krana. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. 18 p. (Tekhnika bezopasnosti v stroitel'stve)

CRANES AND CRANESHAFTS

[illegible]

CRANES AND CRANESHAFTS MAINTENANCE AND REPAIR

Magratov, G. A. [Methods of reconstructing and straightening the broken axis of crankshafts in marine internal combustion engines by measured slits] Metody vosstanovleniia i spriamleniia lomanykh osei kolenchatykh valov sudovykh dvigatelei vnutrennego sgoraniia po raskhozhdeniiu shchek. Moskva, Transport, 1964. 23 p. [illegible]

CRAWLER TRACTORS

[illegible]

CRAWLER TRACTORS MAINTENANCE AND REPAIR

[illegible]

CREDIT

[illegible]

CREEP OF CONCRETE

[illegible] [Improving the design of elements] [illegible] Kiev, Gosstroiizdat USSR, 1964. 45 p.

CREEP OF MATERIALS

[illegible]

[illegible] 1963 [illegible] 1963. 105 p.

CREEP OF METALS

[illegible]

CREEP OF PLASTICS

[illegible]

CRIMES

[illegible]

CRIME AND CRIMINALS—RESEARCH

[illegible] [Discovery and study of the causes of criminality in criminal investigation] [illegible] Voronezh, Izd-vo Voronezhskogo univ., 1964. 82 p.

More on the problem of studies of criminal delinquency and its causes. V. N. Kudriavtsev. Sov. gos. i pravo 34 no. 5:81-89 My '64.

CRIME PREVENTION

[illegible]

New species in the fauna of freshwater bodies of the Crimea. P. A. Zhuravel'. Zool. zhur. 43 no. 5:766-767 '64.

CRIMEA—GEOLOGY, STRATIGRAPHIC

Lower Permian sediments in the Crimean steppes. A. I. Letavin, S. A. Bolkhovitin, L. M. Savel'eva. Dokl. AN SSSR [illegible] My '64.

CRIMEA—PHYSICAL GEOGRAPHY

Pavlova, N. N. [Physical geography of the Crimea; a textbook] Fizicheskaia geografiia Kryma; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1964. 104 p. (V pomoshch' studentam vechernego i zaochnogo obucheniia)

CRIMEA—ROACH (FISH)

Change in the morphological and biological characteristics of the roach Rutilus rutilus heckeli introduced from the Dnieper River into Crimean reservoirs. N. D. Belyi. Zool. zhur. 43 no. 5:715-719 '64.

CRIMEAN MOUNTAINS—HYDROLOGY

Hydrology of the eastern part of the Ay-Petri mountain massif. [illegible] Zool. zhur. 43 no. 4:62-67 '63.

CRIMINAL INTENT

B. V. Kharazishvili's "Behavior motives of a criminal according to Soviet law." A. B. Sakharov. Sov. gos. i pravo 34 no. 5:153-155 My '64.

Forms of intent in offenses against the external security of the U.S.S.R. G. Z. Anashkin. Sov. gos. i pravo 34 no. 5:78-82 My '64.

CRIMINAL INVESTIGATION

Vasil'ev, A. P., and Iu. D. Livshits. [Inquiry and preliminary investigation under the criminal procedure; examples] Ugolovno-protsessual'nye akty doznaniia i predvaritel'nogo sledstviia; obraztsy. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 209 p.

CRIMINAL LAW

(see also subdivision under Kirghizistan, Latvia)

Matyshevskii, P. S. [Liability for offenses against public safety, public order and the health of the public] Otvetstvennost' za prestupleniia protiv obshchestvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniia. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 157 p.

CRIMINAL LIABILITY

Kuznetsova, N. F. [Discharge from criminal liability by the transfer of the case to a comrades court] Osvobozhdenie ot ugolovnoi otvetstvennosti s peredachei dela v tovarishcheskii sud. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 93 p.

CRIMINAL PROCEDURE

(see also subdivision under Latvia)

Certain problems in the statutory law on criminal procedure. [illegible] Sov. gos. i pravo 34 no. 5:111-118 My '64.

Vasil'ev, A. P., and Iu. D. Livshits. [Inquiry and preliminary investigation under the criminal procedure; examples] Ugolovno-protsessual'nye akty doznaniia i predvaritel'nogo sledstviia; obraztsy. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 209 p.

CROP YIELDS see subdivision under Kazakhstan

CROPS AND CLIMATE see subdivision under Lithuania

CRUSHING MACHINERY

[illegible] Ap '64.

Operation of gyratory mills for medium and fine crushing. [illegible] Izv. vys. ucheb. zav.; [illegible] no. 3:142-150 '64.

Study of the automatic mill grinding operation of a [illegible] ball mill. E. V. Pakulian, P. P. [illegible] 55 no. 4:16-20 Ap '64.

CRYOSCOPY

Accuracy of the cryoscopic analysis of small samples as dependent on the shape of the specimen. N. I. Lisenko-[illegible] Zhur. fiz. khim. 37 no. 4:931-936 Ap '63.

Cryoscopy of melts. O. K. Sokolov. Izv. AN SSSR. Met. i gor. delo no. 2:100-104 Mr-Ap '64.

CRYSTAL LATTICES

Changes in the structure of magnesium-cadmium alloys during ordering. K. K. Kasyanenkova, V. D. Melikhov, A. A. Presniakov. Metalloved. i term. obr. met. no. 6: 9-11 Je '64.

Characteristics of the dynamics of ZnS type crystal lattices with a mixed ionic-valence bond and fractional effective ion charges. E. K. Koval', K. B. Tolpygo. Izv. AN SSSR. Ser. fiz. 28 no. 6:[illegible] Je '64.

Focusing of atomic collisions in crystals. R. I. Garber, A. I. Fedorenko. Usp. fiz. nauk 83 no. 3:385-432 Jl '64.

Ordering of ferromagnetic alloys with a Fe_3Al type crystal lattice. [illegible] Ukr. fiz. zhur. 9 no. 2:218-220 F '64.

CRYSTALLIZATION

[illegible] N. D. [illegible] no 6 12-1[illegible]

[illegible] phosphate. I M.B[illegible]teva [illegible] 2 Jl '63

[illegible] influenced by [illegible] N.P [illegible]oshina, B IA [illegible] 157 no 2 433-436 Jl

[illegible] and azobenzene [illegible] no. 2 33-47 '63.

[illegible] of the interfacial energy of antipyrine at [illegible] A.S Mikulich. Krist [illegible] 2 7-17 '64.

Distribution of boron during the crystallization of solid solutions of germanium in silicon V S Zemskov, V V Rozhdestvenskaia Izv AN SSSR, Met i gor delo no 3 154-159 My-Je '64

Effect of a high-voltage pulse discharge through the bulk of a solution on the crystallization process D E [illegible], A.V Kortnev, A N Kutsenko Zhur fiz khim 38 no 3 737-738 Mr '64

Effect of insoluble admixtures on the structure of [illegible] of organic matters. M.S TSedrik. Krist [illegible] no 2 19-24 '63

[illegible] of the solid phase occurring in a melt on the crystallization of metals and alloys G F Balandin, P [illegible] Izv vys ucheb zav , mashinostr no 1 101-103 '64

Magnetic susceptibility of some organic substances. F.K [illegible] A.V.Akhromova Krist.zhid. no 2 [illegible] '63

Oriented crystallization. V. M. Zalkin. Zhur.fiz.khim. 36 no 6 1344-1345 Je '62

Recrystallization in solid solutions of nickel-iron and [illegible] manganese A S Nikonenko Sbor nauch trud [illegible] 21 217-224 '63

Recrystallization of difficult-to-shape alloys. M. V. Rastegaev Metalloved.i term.obr met no.2;9-12 F '64

Some correlations in the process of recrystallization of a polydisperse system V.M Blakov, O.P Stepanova. Zhur fiz khim. 36 no 6;1324-1326 Je '62

CRYSTALLOGRAPHY

Catalog of point groups of symmetry and various types of antisymmetry. E I.Galiarskii, A.M.Zamorzaev. Kristallografiia 8 no 1,94-101 Ja-F '63.

Crystallochemical characteristics and certain physical properties of compounds with the structure of hexagonal tungsten oxygenic bronze. V A.Isupov, A I.Agranovskaia, M F.Bryzhina Kristallografiia 8 no.1;108-110 Ja-F '63.

Formulas for the calculation of the specific gravity of crystals of the AX_2 type. O.S.Povarennykh. Dop AN URSR no.6;805-808 '63.

Incompleteness of the "unified system of crystallographic groups." A.V.Shubnikov. Kristallografiia 8 no.1; 131-132 Ja-F '63.

Program for a more exact definition of crystalline structures by the method of least squares using a large electronic computer. F.A Brusentsev. Kristallografiia 8 no 1:10-15 Ja-F '63

Remarks on the application of the statistical analysis of intensities. V.V.Iliukhin, A V.Nikitin. Kristallografiia 8 no 1:5-9 Ja-F '63.

Self-excitation of a plane-parallel anisotropic layer. A M.Goncharenko, B.A.Sotskii, F.I.Fedorov. Kristallografiia 8 no.1:47-50 Ja-F '63.

Some physical properties of single crystals of the compounds $CuSbS_2$ and $CuSbSe_2$. G.B.Abdullaev and others. Izv.AN SSSR.Ser.fiz. 28 no.6,1096-1099 Je '64.

Width of the absorption bands in impurity ions with unfilled shells in crystals. D.T.Sviridov. Dokl.AN SSSR 157 no.2 334-336 Jl '64.

CRYSTALS—GROWTH

Crystal growing by the osmosis method. V M.Varikash. Krist.zhid. no.2,25-27 '63.

Processes of growth of smectic textures. I.G.Chistiakov. Kristallografiia 8 no.1;123-128 Ja-F '63.

Shapes of growth of crystals and their kinetic stability. A.A.Chernov. Kristallografiia 8 no.1:87-93 Ja-F '63.

CRYSTALS—SPECTRA

Optical studies of the energy structure of the bands of certain crystals. V.V.Sobolev. Izv.AN SSSR.fiz. 28 no.6;1090-1095 Je '64.

CUBA—DESCRIPTION

Gaidaenko, I.P. [Stars of freedom] Zvezdy svobody. Kiev, Gospolitizdat USSR, 1963. 59 p. (MIR)

CUBA—POLITICS AND GOVERNMENT

Cuban people in the struggle for freedom and independence. A.Mikhailov, A.Grekov. Voen.-ist.zhur. 5 no.7;33-48 Jl '63.

CUCUJIDAE, FOSSIL see subdivision under Karatau

CUCUMBERS—WATER REQUIREMENTS see subdivision under Kazakhstan

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS—TESTING

Studying the geometry and operating conditions of active cultivator sweeps working at increased speeds I.I. Smirnov, G.N D'iachenko Trakt i sel'khozmash. no 6 24-27 Je '64.

CULTURE

Approval by friends and forced acknowledgement by foes I Kulikova Kommunist 41 no.9;104-109 Je '64

CULVERTS

Practical considerations of measures to prevent deformation of circular water pipes. I P Pavlov, P.M.Zelevich. Transp.stroi. 13 no.12 18-21 D '63.

CUPFERRON

Automatic control of the nitrosation of phenylhydroxylamine in the production of Cupferron O P Shvaika, M S Konovchuk E G Protsenko. Khim.prom. [Ukr] no 1 67-68 Ja-Mr '63

CUPOLA FURNACES

Barinov, N.A. [Water-cooled cupola furnaces and their metallurgical possibilities] Vodookhlazhdaemye vagranki i ikh metallurgicheskie vozmozhnosti. Moskva, Izd-vo "Mashinostroenie," 1964. 225 p.

Coke combustion zone in the metal melting zone of a cupola furnace G K Reshetnikov. Izv.vys.ucheb. zav , mashinostr no.1 37-41 '64.

Interrelationship of basic parameters of the cupola process P N Aksenov, G.K Reshetnikov. Izv vys ucheb zav , mashinostr no 1 5-14 '64.

Investigating the overheating of liquid cast iron in a cupola furnace L M Marienbakh, G P.Dolotov Izv vys ucheb zav , mashinostr. no.1;28-36 '64.

Technological principles for the control of cupola melting. IU S Sukharchuk Izv vys ucheb.zav.; mashinostr no 1 15-27 '64

CURARELIKE SUBSTANCES

Curarelike activity of some diphenylethane derivatives. A I Podlesnaia Farm i toks 26 no.1 40-45 Ja-F '63

CURIUM ISOTOPES

Some data on the spontaneous fission of Cm^{244}. V.I. Bol'shov and others Atom.energ. 17 no.1;28-34 Jl '64.

CURRANTS

(see also subdivision under Kazakhstan)

Effect of orchard shelterbelts on the light conditions for the germination of black currants. V.S.Meshcheriakova. Sbor.rab Mosk.gidromet.obser. no.2,117-122 '63.

CURRENCY QUESTION

Instability of currency relations and utopian projects. F.Bystrov. Mir.ekon i mezhdunar.otn. no 7:39-53 '64

CURVES

Minimum number of vertices of a knotted curve. V.I. Diskant. Sib.mat.zhur. 5 no.1:234-235 Ja-F '64.

Properties of integral-difference curves. O.A.Drozdov. Trudy GGO no.162;3-6 '64.

Theory of curves in Minkowski space. B. Frank. Vest. LGU 19 no.7:46-56 '64.

CURVES, ISOTHERMIC

Calculating the condensation isotherm of gas condensate systems. K.P.Pokrovskii, E.E.Ramazanova. Izv. vys.ucheb.zav., neft'i gaz 7 no.1;60-64 '64.

CUTTING MACHINES

Mechanized feed of rods on cutting machines. V.B. Surovezhin Mashinostroitel' no 4 7 Ap '64.

Special features of the wear of cutters as related to their characteristics. M.P.Saakian. Izv.AN Arm.SSR.Ser. tekh.nauk 17 no.2;67-72 '64.

CUTWORMS see subdivision under Omsk Province

CUTWORMS—BIOLOGICAL CONTROL see subdivision under Kirov Province

CYANO COMPOUNDS

Isomer of cyanourea. IU.I.Mushkin, A.I.Finkel'shtein. Zhur.ob.khim. 34 no.5;1691-1693 My '64

Synthesis of substituted 4-hydroxy-3-cyanotetrahydrofurans. T A.Favorskaia, G.M.Tolstopiatov. Zhur ob. khim. 34 no.6;2091 Je '64.

CYANOCOBALAMINE

Balance of vitamin B_{12} in cancerous lesion of the stomach in connection with its resection. N.S.Al'mukhambetova, N I.Khorsova. Trudy Inst.klin.i eksp.khir.AN Kazakh. SSR 8:118-120 '62.

Bogdanov, V.M., V.V.IAkushev, and E.E.Grudzinskaia. [Enrichment of dairy products by the addition of vitamin B_{12}] Obogashchenie molochnykh produktov vitaminom B_{12}. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 14 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

Role of vitamin B12 in the activation of the genetic apparatus of differentiated cells in the case of their increased physiological function. A.G.[illegible], E.M.Leikina, K.K.Antipova. Dokl.AN SSSR 157 no.2 410-412 Jl '64

Treatment of pigmented degeneration of the retina K.A.Adigezalova-Polchaeva, T.A.Safarova Azerb. med. zhur. 40 no.10,16-21 O '63.

Use of δ-aminolevulinic acid for vitamin B_{12} biosynthesis by resting cells of Propionibacterium shermanii V.IA Bykhovskii, N I Zaitseva, G V.Mantrova Dokl AN SSSR 157 no 3:692-695 Jl '64

CYANOETHYLATION

Cyanoethylation of acetylenic amines. I.A.Favorskaia, K.A.Kononova. Zhur.ob.khim. 34 no.6;2090 Je '64.

Cyanoethylation of nitroparaffins. V.I Isagulianis, Z.Poredda. Zhur.prikl.khim. 37 no.5;1093-1096 My '64.

Recyanoethylation as a method for determining the structure of cyanoethylated compounds. P.F.Butskus. Zhur.ob.khim. 34 no.6;2093 Je '64.

CYANURIC ACID

Synthesis of cyanuric acid from urea. N.I.Malkina, S.N.Kazarnovskii. Zhur.prikl.khim. 37 no.5;1159-1160 My '64.

CYBERNETICS

Electronic model of a game. V.A.Gangen. Nerv sist no.3;190-194 '62.

Heroism of a scientist; in memory of Norbert Wiener IU P.Frolov Priroda 53 no 7;95-98 '64

Problems of cybernetics in the petroleum refining and petrochemicals industry. A.A.Popov. Khim i tekh topl.i masel 9 no.3;52-54 Mr '64.

Significance of dynamic programming and the theory of games for physiology P I.Guliaev. Nerv.sist no.3;177-189 '62.

Zuev, A.K. [Self-regulation in technology and living nature] Samonastroika v tekhnike i zhivoi prirode. Riga, Izd-vo Akad.nauk Latviiskoi SSR. 1964. 71 p.

CYBERNETICS—ABSTRACTS

[Journal of abstracts; Cybernetics] Ref.zhur.; Kib. no.6 Je '64.

CYCADOPHYTA, FOSSIL see subdivision under Amur Valley

CYCLIC COMPOUNDS

Oxidation and isomerization of secondary alcohols of the cycloaliphatic series. G.P.Kugatova-Shemiakina, V.I.Vidugirene. Zhur.ob.khim. 34 no.6:1729-1733 Je '64.

CYCLING

Periodic (running) biomechanical information in the training of cyclists. L.V.Chkhaidze. Teor.i prak. fiz.kul't. 27 no.6;54-57 Je '64.

CYCLOALKYLATION

Cycloalkylation of aromatic compounds. Part 20: Cyclohexylation and cyclopentylation of fluorene. F.M Saidova, N G Sidorova. Zhur.ob.khim. 34 no.5 1601-1604 My '64

CYCLOBUTANE

Hydrogenation of dimethylenecyclobutanes. IA.M. Slobodin, A.P.Khitrov. Zhur.ob.khim. 34 no.6; 1727-1728 Je '64.

CYCLOHEXADIENEDICARBOXYLIC ACID

Cis-bromination of dimethyl ester of 3,6-endoxodihydrophthalic acid. N S Zefirov, A.F Davydova, IU.K IUr'ev Zhur ob.khim 34 no.5:1681 My '64.

CYCLOHEXANE

Developing a process for obtaining cyclohexane of high purity. R.M.Masagutov and others. Khim.i tekh.topl. i masel 9 no.6;17-22 My '64.

Separating cyclohexane from the gasoline of the Novo-Dmitriyevka oil of Krasnodar Territory using a thiourea water-alcohol solution. G.G. Ashumov and others. Azerb.neft.khoz. 43 no.1;34-35 Ja '64.

Sequence of the boiling points of stereoisomeric 1-methyl- and 1-ethyl-4-tert-butylcyclohexanes. A.L.Liberman and others. Dokl.AN SSSR 156 no.2;375-378 My '64.

Simplified paper chromatographic determination of hexachlorocyclohexane from plants. G.A.Odumanova-Dunaeva. Fiziol rast. 11 no.3:540-550 '64

Synthesis of ω-amino acids of the cyclohexane series. Part 1: Cis- and trans-β-(4-aminocyclohexyl)propionic acids. I.D.Pletneva, R.S.Muromova, I.V.Pervukhina. Zhur.ob.khim. 34 no.6;1815-1817 Je '64.

CYCLOHEXANE—TOXICOLOGY

Biochemical changes in the blood of rabbits in experimental hexachloran poisoning. I.N Gladenko and others. Farm.i toks. 26 no 1 106-113 Ja-F '63.

Study of the toxic effect of thermomechanical aerosols of dichloro-diphenyl-trichloroethane (DDT) and hexachlorocyclohexane. N.M.Komarov, N.S.Balyberdin Farm.i toks. 26 no.1;113-116 Ja-F '63.

[illegible]

[illegible] regeneratsii i kletochnogo [illegible], 3d, Moscow, 1961. [Materials of the Third Conference on Problems of Regeneration and Cell Reproduction] Materialy. Moskva, Akad. med. [illegible] p.

[DSLM MICROFILM]

CZECHOSLOVAKIA—ARMY

[illegible]

CZECHOSLOVAKIA—AUTOMOBILES

[illegible]

CZECHOSLOVAKIA—BARNS—DESIGN AND CONSTRUCTION

[illegible] in Czechoslovakia [illegible]

CZECHOSLOVAKIA—BIBLIOGRAPHY

[illegible]

CZECHOSLOVAKIA—ECONOMIC CONDITIONS

[illegible]

CZECHOSLOVAKIA—FOREST MANAGEMENT

[illegible]

CZECHOSLOVAKIA—GERMANY

[illegible]

CZECHOSLOVAKIA—HYDRAULIC TURBINES

[illegible]

CZECHOSLOVAKIA—[illegible], MILITARY

[illegible]

CZECHOSLOVAKIA—MAPS

[illegible]

CZECHOSLOVAKIA—PETROLEUM PRODUCTION, [illegible]

[illegible]

CZECHOSLOVAKIA—RUSSIAN LANGUAGE—STUDY AND TEACHING

[illegible]

CZECHOSLOVAKIA—[illegible]—STUDY AND TEACHING

[illegible]

CZECHOSLOVAKIA—SCIENTIFIC SOCIETIES

[illegible]

CZECHOSLOVAKIA—[illegible]—LABOR PRODUCTIVITY

[illegible]

CZECHOSLOVAKIA—WORLD WAR, 1939-1945

[illegible]

[illegible]—TOXICOLOGY

[illegible]

DAGHESTAN—HISTORY

[illegible]

DAGHESTAN—LANGUAGES

[illegible]

[illegible] language] Ginukhskii dialekt didoiskogo iazyka. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 318 p.

DAGHESTAN—LIMESTONE

Amirkhanov, M-Sh. I. [Possibilities of using Upper Sarmatian limestones of the Tarkitau in asphalt-concrete (hot) mixes] Issledovanie vozmozhnosti ispol'zovaniia verkhnesarmatskikh izvestniakov gory Tarkitau v asfal'tobetonnykh (goriachikh) smesiakh. Makhachkala, Dagestanskii gos. univ. imeni V. I. Lenina, 1963. 13 p.

[MICROFILM]

DAGHESTAN—PETROLEUM GEOLOGY

[illegible] on the tectonics of the Caspian-Kuba and [illegible] oil- and gas-bearing regions. I. O. [illegible]. Neftegaz. geol. i geofiz. no.11:44-48 '63.

DAIRY BARNS—DESIGN AND CONSTRUCTION
(see also subdivision under Baltic Sea region)

[illegible] housing for cows in boxes. I. Tsikin, G. Savchenko. Sel' stroi. 18 no.10:7-8 O '63

DAIRY BARNS—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

DAIRY CATTLE see subdivision under Latvia

DAIRY CATTLE—FEEDING AND FEEDS

[illegible] as a means for increasing the butterfat [illegible] milk. V. P. [illegible]. Vest. sel'khoz. [illegible] 67-68 Je '64

DAIRY CATTLE BREEDING see subdivision under Grodno Province; Latvia; Mogilev Province; Omsk Province; Vitebsk Province

DAIRY INDUSTRY

International Dairy Congress. 16th, Copenhagen, 1962. [Transactions of the 16th International Dairy Congress] Trudy. Red. i s predisl. V. V. Kostygova. Moskva, Pishchepromizdat
No 2 1963. 434 p.

DAIRY PRODUCTS

[illegible], V. M., V. V. IAkushev, and E. E. Grudzinskaia. [Enrichment of dairy products by the addition of vitamin B_{12}] Obogashchenie molochnykh produktov vitaminom B_{12}. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 14 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

DAIRYING—COSTS see subdivision under Tyumen' Province

DAMPING (MECHANICS)

[illegible] damping of free vibrations. O. M. Golubentsev, [illegible]. Prikl. mekh. 10 no.2:226-230 '64.

[illegible] stabilizer with a dynamic vibration damper. I. V. Novozhilov, N. V. Shatalov. Izv. AN SSSR, Mekh. i mashinostr. no.3:57-60 My-Je '64.

Low frequency vibration damper for lathes. A. S. Kondratov, [illegible]. Mashinostroitel' no 5:32-33 My '64

[illegible] dependence of the internal friction of a standard linear solid under heavy damping conditions. [illegible], V. S. Postnikov, T. D. Shermergor. Izv. AN SSSR, Mekh. i mashinostr. no.3:90-95 My-Je '64.

DAMS

Chistov, O. A. [Maintaining earthen dams] Soderzhanie zemlianogo polotna. Moskva, Izd-vo "Transport," 1964. 248 p.

[illegible] rock fill in a stream at low temperature. IU. V. [illegible]. Sbor. nauch. trud. Dnepr. inzh.-stroi. inst. no.15 [illegible] '61

DANCING
(see also subdivision under Lithuania)
[Ballet-master and the collective] Baletmeister i kollektiv. Moskva, Iskusstvo, 1963. 78 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no.15)
(NK)

DANCING—CHILDREN'S DANCES see subdivision under Lithuania

DANILOV, ALEKSEI

Single combat. N. Nikol'skii. Sov. voin 46 no.12:30 Je '64.

DANUBE RIVER—NAVIGATION

Danube Commission (1949-) Protokoly. Proces-verbaux. Budapest, Izd. Sekretariata Dunaiskoi Komissii. [In Russian and French]
Vol. 21. [Twenty-first session, January 30 to February 14, 1963, in Budapest. Proceedings nos. 116-120] Dvadtsat' pervaia sessiia, 30 ianvaria - 14 fevralia 1963 g., g. Budapest. Protokoly Nos. 116-120. 1963. 466 p.

DANUBE VALLEY—PETROLEUM GEOLOGY

New data on the oil potential of the lower Danubian trough. P. D. Maslov. Neftegaz. geol. i geofiz. no. 4:63-66 '63.

DANUBE VALLEY—SOIL MOISTURE

Investigations in the establishment of agrochemical and soil [illegible] indices for the characteristics of the fertility of [illegible] lands in the steppe and forest-steppe zones of the Danube Plain. G. Obrejanu, Al [illegible], I. Aksenova. Pochvovedenie no 6:68-78 Je '64

DANUBE VALLEY—SOILS, SALTS IN

Investigations in the establishment of agrochemical and soil meliorational indices for the characteristics of the fertility of flooded lands in the steppe and forest-steppe zone of the Danube Plain. G. Obrejanu, Al [illegible], I. Aksenova. Pochvovedenie no 6:68-78 Je '64

DANUBE VALLEY—WEEVILS

Morphological and biological characteristics of the larva of Tanymecus dilaticollis Gyll (Coleoptera, Curculionidae). L. G. [illegible]. Zool zhur. 43 no 5, 774-775 '64

DARKLING BEETLES see subdivision under Kugitang (Turkmenistan)

DARVAZA RANGE—FOREST INSECTS

[illegible] groups of insects in hardwood forests of the [illegible] and Darvaza Ranges. I. K. Lopatin [illegible] 17 Trudy [illegible] no 3 31-37 [illegible]

DEATH

[illegible] the appearance of ventricular [illegible] death and resuscitation in [illegible] N. S. Kolganova. Pat fiziol [illegible] 7 [illegible] 37-42 N-D '63

DEATH—CAUSES

Circumscribed [illegible] of the medullary layer of adrenal glands as the cause of sudden death. V I Alisievich. Sud-med ekspert. 7 no 2 19-22 Ap-Je '64

Sudden death of a [illegible] infant caused by idiopathic [illegible] complicated by heart rupture. L P [illegible] Sud-med ekspert 7 no 2 56 Ap-Je '64

DEATH (BIOLOGY)

Importance of disorders in the blood supply of the heart in the death mechanism during the acute stage of myocardial infarction. M E Raiskina, Z.T Samoilova, M IA Khodas. Trudy Inst.klin i eksper kard AN Gruz SSR 8:413-422 '63.

DEATH, APPARENT

Morphological changes in the heart following the use of direct massage and electric defibrillation in dogs following clinical death as a result of a unilateral open pneumothorax. Sh S Machavariani, R V Kapanadze. Trudy Inst klin i eksper kard AN Gruz SSR 8,673-677 '63.

DECAPODA (CRUSTACEA)

Biology and variability of Eualus gaimardi (Milne-Edwards). V. V. Kuznetsov. Mat. po kompl. izuch. Bel. mor. no. 2.77-89 '63.

DECEMBRISTS

Bazanov, V. G. [Erudite republic] Uchenaia respublika. Moskva, Izd-vo "Nauka," 1964. 461 p.

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)

Khonikevich, A. A. [Decontamination of waste water from radiochemical laboratories and experimental atomic reactors] Dezaktivizatsiia sbrosnykh vod radiokhimicheskikh laboratorii i eksperimental'nykh atomnykh reaktorov. Moskva, Atomizdat, 1964. 108 p.

Use of mineral sorbents for the decontamination of liquid radioactive solutions. V. Gromov. Atom. energ. 17 no. 1:73-75 Jl '64.

DECORATION AND ORNAMENT, ARCHITECTURAL see subdivision under Yur'yev-Pol'skiy (Vladimir Province)

DEER—PARASITES see Parasites—Deer

DEFICIENCY DISEASES

Balance of vitamin B_{12} in cancerous lesion of the stomach in connection with its resection. N. S Al'mukhambetova, N I Khorsova. Trudy Inst klin. i eksp khir AN Kazakh. SSR 8 118-120 '62

DEFICIENCY DISEASES IN DOMESTIC ANIMALS

Alimentary osteodystrophies of cattle in Voronezh Province. N Z Obzhorin. Zap Vor sel'khoz inst 17 no 2 123-137 '62

Alkaline reserve in the blood of cows with alimentary osteodystrophies. A V Abros'kina. Zap. Vor sel'khoz inst 17 no. 2:177-182 '62.

Content of carotene and vitamin A in the blood serum of cows with alimentary osteodystrophies. B A Fediurko. Zap Vor sel'khoz inst 17 no 2 183-187 '62

Content of the various forms of calcium compounds in the blood serum of cattle in alimentary osteodystrophies. G A Chaplygina, A I. Shichanina. Zap. Vor sel'khoz inst 17 no 2 171-175 '62

Content of the various forms of phosphorus compounds in the blood serum of cattle in alimentary osteodystrophies. G A Chaplygina. Zap Vor sel'khoz inst. 17 no 2:169-193 '62

Electrical excitability of the muscles in cattle with alimentary osteodystrophies. A V Abros'kina. Zap Vor sel'khoz inst 17 no 2 207-212 '62

Pathogenesis and pathogenetic therapy of alimentary osteodystrophies. N Z Obzhorin. Zap Vor sel'khoz inst 17 no 2 139-154 '62

Physicochemical changes in the feces of cattle with alimentary osteodystrophies. V P Kruglov. Zap Vor sel'khoz inst 17 no 2 203-206 '62.

Physicochemical characteristics of urine in cattle with alimentary osteodystrophy. N N Konovalov. Zap Vor sel'khoz inst 17 no 2 201-202 '62

Proteins and their fractions in the blood serum of cows afflicted with alimentary osteodystrophy. B A Fediurko. Zap Vor sel'khoz inst 17 no 2 163-170 '62

Seasonal changes in the blood of cows and their importance in the pathogenesis of alimentary osteodystrophies. N S Obzhorin and others. Zap Vor sel'khoz inst 17 no 2 155-160 '62

Studying the elementary chemical content of natural waters in connection with the alimentary osteodystrophy of cattle on the Kirov Collective Farm. E A Shafarenko. Zap Vor sel'khoz inst 17 no. 2 213-215 '62

Studying the rumen contents of cows afflicted with alimentary osteodystrophies. V P Kruglov. Zap Vor sel'khoz inst 17 no 2 195-200 '62

X-ray photometry in alimentary osteodystrophies of cattle. I I. Rudakov. Zap Vor sel'khoz inst 17 no 2 217-223 '62

DEFOLIATION

Chemical defoliation of apple seedlings in nurseries. M. D. Kuznetsov, A. A. Ebetullaev. Izv. TSKHA no. 5: 86-99 '63.

DEFORMATIONS (MECHANICS)

Averaging plasticity equations. G. A Brichko. Izv vys ucheb za., chern met 7 no 6 114-116 '64.

Effect of cold deformation and spheroidization on the properties of stainless steel. G. F. Tikhonov, L. A. Pyrialov. Trudy GPI 19 no. 1,51-59 '63.

Effect of plastic deformation on certain properties of the VK-15 powdered metal alloy. V. M Pelepelin. Dop. AN URSR no. 6:753-756 '63.

For joint calculation of vertical and horizontal deformations. V Kozlov. Stroi. i arkhit. 12 no. 5:33-35 My '64.

The form of a buckling rod losing its stability in the prestressing process. N. D. Sergeev. Stroi. mekh. i rasch. sooruzh. 5 no 6,42-43 '63.

Instantaneous rigidity of the section under elastoplastic deformations. S. D. Leites. Stroi. mekh. i rasch sooruzh. 5 no. 6;26-29 '63.

Investigating the deformability of alloyed steels. M. A. Strukau. Vestsi AN BSSR Ser. fiz.-tekh nav. no. 1. 118-121 '64

Kinetics of the deformation of corundum specimens on heating. I. G. Orlova, I. S. Kainarskii. Dokl. AN SSSR 157 no. 2,331-333 Jl '64.

Rated method of constructing diagrams for the tension of bimetals. V. V. Abramov and others. Trudy GPI 19 no. 1,24-32 '63.

Relaxation theory of energy scattering in materials during cyclic deformations. V. O. Kuz'menko. Dop. AN URSR no. 6:773-777 '63.

Resistance to deformation in ferritic steels. L. D. Sokolov. Izv vys ucheb. zav., chern met 7 no. 6 88-91 '64

Some method of solution of nonlinear problems of the mechanics of a deformed body. S. V. Simeonov. Prikl. mat. i mekh. 28 no. 3,418-429 My-Je '64.

Spontaneous fracture in the deformation of solid bodies. P. O. Pashkov. PMTF no. 6:182-185 N-D '63.

Stability of circular cylindrical shells under compression. S. N. Kan. Stroi. mekh. i rasch. sooruzh. 5 no. 6:31-34 '63.

DEGRADATION (CHEMISTRY)

Catalytic decomposition of hypophosphites. Report No. 1: Decomposition in the presence of hydroxyl ions. A. Luneckas, L. Valentukeviciute. Trudy AN Lit. SSR. Ser. B no. 1:135-141 '64.

Catalytic decomposition of hypophosphites. Report No. 2: Decomposition in the presence of nickel and cobalt. A. Luneckas. Trudy AN Lit. SSR. Ser. B no. 1:143-140 '64.

Degradation of cellulose triacetate in the process of acetylation in the presence of benzene. E. P. Kuznetsova, N. I. Klenkova. Zhur. prikl. khim. 37 no. 5:1073-1080 My '64.

DEGTYARKA REGION (SVERDLOVSK PROVINCE)—COPPER MINES AND MINING—EQUIPMENT AND SUPPLIES

Operation of automatic equipment at the Degtyarka copper mine. A. M. Imshenetskii, V. D. Veter. Ugol' Ukr. 8 no. 5:44-45 My '64.

DEHYDRATION (CHEMISTRY)

Dehydration of α-glycols. T. E. Zaleskaia, I. K. Lavrova. Zhur. ob. khim 34 no. 5:1688 My '64.

DEHYDROASCORBIC ACID

Biological role and the mechanism of the action of ascorbic and dehydroascorbic acids. M. F. Merazhynski. Vestsi AN BSSR. Ser. biial. nav. no. 3:81-92 '63.

DEHYDROGENASES

Changes in some oxidation-reduction enzymes in inflammatory excrescences of the skin [with summary in English]. Ou Bao-sian [Ou Pao-hsiang], N. T. Raikhlin. Arkh. anat., gist. i embr. 44 no. 6.93-96 Je '63.

DEHYDROGENATION

Derivatives of 7-azaindole. Part 7: Dehydrogenation of indoline and 7-azaindoline derivatives with sodium in liquid ammonia. L. N IAkhontov, M. IA Uritskaia, M V Rubtsov. Zhur ob khim. 34 no. 5 1456-1459 My '64

DELAY LINES

Properties of delay lines with tunnel diodes. IU I. Vorontsov. Radiotekh. i elektron 9 no. 4 590-595 Ap '64.

DELEPINE, GASTON, 1878-1963

In memory of Gaston Delepine (1878-1963). V. D. Rushentsev. Paleont. zhur. no. 2:174 '64.

DELHI BOIL

Chemotherapeutic effectiveness of monomycin in experimental cutaneous leishmaniasis. G. N. Pershin, N IU Moskalenko. Farm. i toks 26 no 1 97-101 Ja-F '63

DELIVERY OF GOODS

Adjusting deliveries. V Kuzin. Plan. khoz. 41 no 7 [illegible] Jl '64

DELIVERY OF GOODS (LAW)

Semenova, L. I., and B. M. Riabinskii. [Liability for shortfalls in deliveries of goods for industry and consumption] Otvetstvennost' za nedopostavku produktsii i tovarov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 53 p. (Bibliotechka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

DELIVERY ORDERS

Cooperation on the production level. I. A. Zonin. Sov. gos. i. pravo 34 no. 5:61-68 My '64.

Legal nature of preliminary orders placed by distribution organizations with manufacturing enterprises. I. L. Brodskii. Sov. gos. i. pravo 34 no. 5:52-60 My '64.

DEMOCRACY

Rumiantsev, A. M., ed. [Communists and democracy; materials from the panel discussion held in the editorial offices of the journal "Problemy mira i sotsializma," Prague, January 1963] Kommunisty i demokratiia; materialy obmena mneniiami, sostoiavshegosia v redaktsii zhurnala "Problemy mira i sotsializma," Praga, ianvar' 1963 g. Prague, Izd-vo "Mir i sotsializm," 1964. 307 p. (Mezhdunarodnye diskussii marksistov)

DEMOGRAPHY—RESEARCH

Two fields for scholarly studies. Kommunist 41 no. 9: 122-128 Je '64

DENMARK—RELATIONS (GENERAL) WITH RUSSIA

In the land of five hundred islands. V. Mitin. Sov. voin 46 no 13:14-19 Jl '64.

DENSITOMETERS

Methods for the gradation of color densitometers. I. K. Krupenin, G. S Baranov. Usp. nauch. fot. 8,263-272 '62.

Recording densitometer for black-and-white sensitograms. S. A. Anisimov. Usp nauch. fot. 8:256-262 '62.

Universal differential type densitometer for black-and-white and color fields. IU. N. Gorokhovskii, G. I. Pekarskaia. Usp. nauch. fot. 8:248-255 '62.

DEPARTMENT STORES see subdivision under Belgium; France

DEPOLYMERIZATION

Investigating the thermal depolymerization of styrene tar. D. A Aliev and others. Neftoper i neftekhim. no. 7:32-36 '63.

DEPRECIATION

Rudinkin, IU. A. [Amortization of capital assets in the mining industry] Amortizatsiia osnovnykh fondov v gornoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 67 p. (Konkretnaia ekonomika dlia gorniakov)

DERMATOLOGY

Zheltakov, M. M. [Skin and venereal diseases] Kozhnye i venericheskie bolezni. Izd. 2., perer. i dop. [Moskva] Meditsina, 1964. 299 p.
(DNLM)

DERMATOMYCOSIS

Skin allergic tests in epidermophytosis complicated and uncomplicated by yeasts. U. I. Dzhansugurova. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2:71-75 '64.

DERUNOV, KONSTANTIN NIKOLAEVICH, 1866-1929

First book about K. N. Derunov. IU. L. Kuznets. Sov. bibl. no. 3:94-97 '64.

DESERT FLORA see subdivision under Dzhanybek region (West Kazakhstan Territory)

Okunev's dies. L. Dubnov Mashinostroitel' no 5:5-6 My '64.

Poliakov, IU. L [Dies for drawing and forming intricately shaped parts] Shtampy dlia vytiazhki i formovki detalei slozhnoi formy. Leningrad, 1964. 9 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 1)

Razumov, IU. A., and N. A. Artem'ev. [Bending parts with universal dies in conditions of short-run production] Gibka detalei na universal'nykh shtampakh v usloviiakh melkoseriinogo proizvodstva. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no 3)

DIESEL ENGINES

Artamonov, M. D., and IU. V. Mikhailovskii [The locomobile and diesel engine in lumbering] Lokomobil' i dizel' v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 263 p.

Increasing the speed of motor-vehicle diesel engines. S. E. Nikitin Izv. vys. ucheb zav, mashinostr. no. 3 114-125 '64.

Prospective type of drive of railless machines for the transportation of ore in underground workings. S S Muzgin. Trudy Inst. gor dela AN Kazakh. SSR 13:85-92 '64.

The SMD-15KF combine engine. Mashinostroenie no. 1: 94 Ja-F '64.

DIESEL ENGINES—COLD WEATHER OPERATION

Investigating starting characteristics and wear caused by the starting of a diesel engine at low temperatures. G. Losavio. Avt transp. 42 no. 6 25-27 Je '64.

DIESEL ENGINES—DESIGN AND CONSTRUCTION

IUrgenson, A. A., and G. I. Zelenskaia. [Metals for high-speed diesel engines and their heat treatment; a manual] Metally bystrokhodnykh dizelei i ikh termicheskaia obrabotka; spravochnoe posobie. Moskva, Izd-vo "Mashinostroenie," 1964. 266 p.

DIESEL ENGINES—FUEL SYSTEMS

Investigating the speed of air flow in the combustion chamber of an engine. V. N. Ivanov. Izv. vys. ucheb. zav.; mashinostr. no. 3:91-99 '64.

DIESEL ENGINES—HYDRAULIC DRIVE

Determining the optimal reducing forces of the governor of tractor diesel engines. A. A. Grunauer, V. A. Dik, R. A. Lanis. Trakt. i sel'khozmash no. 6 12-14 Je '64.

DIESEL ENGINES—TESTING

Reliability and durability of the SMD-14 tractor diesel engine. I. A. Koval', V. Vakhtel'. Trakt i sel'khozmash. no. 6 1-4 Je '64.

Velichkin, I. N., A. I. Nisnevich, and M. P. Zubletova. [Rapid wear tests of diesel engines] Uskorennye ispytaniia dizel'nykh dvigatelei na iznosostoikost'. Moskva, Izd-vo "Mashinostroenie," 1964 182 p.

DIESEL FUELS

Automatic control of a unit for obtaining a neutralized metal contact. I. S Romanov, V N Kuznetsov Neftaper. i neftekhim. no. 6:41-42 '63.

Concentration of additives in diesel oils. N. G. Puchkov, V. D. Reznikov. Khim. i tekh. topl. i masel 9 no. 5:57-61 My '64.

Efficiency of fuel storage filters. IA. V. Chertkov and others. Transp. i khran. nefti no. 3:22-25 '63.

DIESEL FUELS—ANALYSIS

Experience in the use of an analyzer for sulfur in diesel fuel A. T Afonin and others Nefteper i neftekhim. no 4 39-42 '63

DIESEL LOCOMOTIVES

(see also subdivision under Lugansk)

Similarity of internal combustion engines. M. G. Makhan'ko. Trudy MIIT no. 179:42-79 '64.

Some characteristics of diesel traction. G. F. Bolkhovitinov. Trudy MIIT no. 179:5-22 '64.

Stepanov, A. D. [Automatic power control for diesel and gas-turbine locomotives] Avtomaticheskoe regulirovanie moshchnosti v teplovozakh i gazoturbovozakh. Moskva, Izd-vo "Mashinostroenie," 1964. 298 p.

Use of ceramic metal parts in the manufacture of diesel locomotives. A. T. TSyrkin, M. M. L'vovskii. Mashinostroenie no. 1:16-17 Ja-F '64.

DIESEL LOCOMOTIVES—FUEL CONSUMPTION

Evaluation of the methods for the establishment of fuel consumption norms for diesel locomotives. S. N. Grigor'ev. Trudy MIIT no. 179:23-41 '64.

DIESEL LOCOMOTIVES—FUEL SYSTEMS

Gizatullin, R. K. [Dual control of the fuel pumps of diesel locomotive engines] Dvoinaia regulirovka toplivnykh nasosov teplovoznykh dizelei. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 23 p.

[MICROFILM]

DIESEL LOCOMOTIVES—SPRINGS AND SUSPENSION see subdivision under Lugansk

DIESEL LOCOMOTIVES—TESTING

Results of the testing of a piston locomotive compressor with band-pass and uniflow valves. A. I. Postolenko, M. N. Gorodetskii. Trudy MIIT no. 179 117-128 '64

DIESEL LOCOMOTIVES—TRANSMISSION DEVICES see subdivision under Lugansk

DIESEL LOCOMOTIVES—VIBRATION see subdivision under Lugansk

DIET IN DISEASE

Review of the collection "The problems of the hygiene of nutrition and alimentary diseases." K. S. Petrovskii and others Vop. pit 22 no 6 76-78 N-D '63

DIETHYLENE GLYCOL

Glycol ethers and their derivatives Part 74 Synthesis of dialkoxydimethyl ethers of diethylene glycol Shamkhal Mamedov, R A Aminimuaiid, A S. Agaev Zhur ob khim 34 no 5 1431-1433 My '64

DIFFERENCE EQUATIONS

Approximation of second-order elliptic differential equations by difference equations V. V Badagadze. Soob AN Gruz. SSR 31 no. 2:263-269 Ag '63.

"Introduction to the theory of difference systems" by S. K. Godunov, V. S. Riaben'kii. Reviewed by E. G. D'iakonov. Zhur. vych. mat. i mat fiz. 4 no. 2:388-390 Mr-Ap '64.

Methods for saving memory space of digital computers in solving systems of difference equations I. N Molchanov. Sib mat zhur. 5 no. 1 109-123 Ja-F '64.

Necessary and sufficient conditions for the proper stipulation of boundary value problems for systems of ordinary difference equations. V. S. Riaben'kii. Zhur. vych. mat. i mat fiz. 4 no 2:242-255 Mr-Ap '64

Use of difference schemes in calculating nonstationary flows of a viscous incompressible liquid L A Chudov, T V. Kuskova. Sbor rab VTS MGU 2 190-207 '63

Use of the drift method in solving boundary value problems for difference systems. I. D. Sofronov. Zhur. vych. mat i mat. fiz. 4 no. 2:256-266 Mr-Ap '64.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL-DIFFERENCE EQUATIONS

Representation of the solutions to differential-difference equations with constant coefficients A. P. Velikii. Sib mat. zhur. 5 no. 1:34-38 Ja-F '64.

DIFFERENTIAL EQUATIONS

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziki i matematiki. [Studies on boundary value problems in the theories of functions and differential equations] Issledovaniia po kraevym zadacham teorii funktsii i differentsial'nykh uravnenii. Dushanbe, Akad. nauk Tadzhikskoi SSR, 1964. 137 p.

Approximation of second-order elliptic differential equations by difference equations V. V. Badagadze. Soob AN Gruz. SSR 31 no. 2:263-269 Ag '63.

Asymptotic behavior of eigenvalues for non-self-adjoint boundary value problems. IU. N. Dnestrovskii, D P. Kostomarov. Zhur. vych. mat. i mat. fiz. 4 no. 2: 267-277 Mr-Ap '64.

Asymptotic solution of an equation describing the motion of certain conservative systems with slowly varying parameters. V. A. IAroshevskii. Zhur. vych. mat. i mat. fiz. 4 no. 2:363-367 Mr-Ap '64.

Boundedness of the solutions to a certain system of third-order differential equations. E. S. Anitova. Vest. LGU 19 no. 7:140-151 '64.

Bushmanova, G. V. [Course on common differential equations and on the equations of mathematical physics] Kurs obyknovennykh differentsial'nykh uravnenii i uravnenii matematicheskoi fiziki; uchebnoe posobie. [Kazan'] Izd-vo Kazanskogo univ., 1962. 169 p. (RPB)

The Cauchy problem for degenerate quasi-linear parabolic equations. IU. N. Blagoveshchenskii. Teor. veroiat. i ee prim. 9 no. 2:378-382 '64.

Cauchy problem for evolutional hyperbolic equations. S IA. IAkubov. Dokl. AN Azerb. SSR 20 no 4:3-6 '64.

Certain boundary value problems for a class of elliptic systems. T. V. Burchuladze. Soob. AN Gruz. SSR 31 no. 3:513-520 S '63

Continuity of solutions to differential equations and continuous dependence on the parameter. N. N. Petrov. Vest. LGU 19 no. 7:29-36 '64.

Difference systems with splitting operators for general second-order parabolic equations with variable coefficients. E. G. D'iakonov. Zhur. vych. mat. i mat. fiz. 4 no. 2:278-291 Mr-Ap '64.

Differential equations for radiation flux. E. L. Podol'skaia. Trudy GGO no. 150:53-56 '64.

Distribution of the roots of the differential equation $\mu F(x, y, y') = f(x, y)$ N. S. Satskaia. Sbor nauch. trud. KGRI no. 21:276-280 '63.

Eidel'man, S. D. [Parabolic systems] Parabolicheskie sistemy. Moskva, Izd-vo "Nauka," 1964. 443 p.

Estimation of errors of the integral relations method in solving certain problems for hyperbolic equations V V Bobkov Vestsi AN BSSR Ser fiz-tekh nav no. 1 18-22 '64

Estimation of the error involved in a Runge-Kutta type method and the selection of optimal mesh size. A. N. Tikhonov, A. D. Gorbunov Zhur. vych. mat. i mat. fiz 4 no. 2:232-241 Mr-Ap '64.

Extension of a theorem of N. N. Bogoliubov to the case of a Hilbert space. Z. F. Sirchenko. Ukr. mat. zhur. 16 no. 3:339-350 '64.

Integral invariants of Pfaff's completely integrable systems of differential equations. H. I. Drinfel'd, Kim Kiong. Dop. AN URSR no. 6:713-716 '63.

Integral manifold for a system of nonlinear equations, close to equations with variable coefficients, in a Hilbert space. IU. A. Mitropol'skii. Ukr. mat. zhur 16 no. 3:334-338 '64.

Periodic solutions to a nonregularly perturbed weakly nonlinear equation. K. V. Zadiraka. Ukr. mat. zhur. 16 no. 3:292-299 '64.

Pliss, V. A. [Nonlocal problems in the theory of oscillations] Nelokal'nye problemy teorii kolebanii. Moskva, Izd-vo "Nauka," 1964. 367 p.

Round-off errors due to difference methods used in solving problems with initial conditions for elliptic equations and systems L A Chudov, V P. Kudriavtsev. Sbor rab VTS MGU 2 20-47 '63

Singular elliptic equations and systems of variable order. M. I. Vishik, G. I. Eskin Dokl. AN SSSR 156 no. 2 243-246 My '64

Solution of Dirichlet's problem for certain nonlinear elliptic equations. D. P. Zergaria. Soob. AN Gruz. SSR 31 no. 1:9-14 Jl '63.

Structure of a set of solutions to a parabolic equation. M. A. Krasnosel'skii, P. IE. Sobolevskii. Ukr. mat. zhur. 16 no. 3:319-333 '64.

Synchronization of almost identical dynamic systems close to Liapunov systems R. F. Nagaev. Prikl. mat. i mekh 28 no. 3:183-192 My-Je '64

Theorems on the asymptotic stability of the solutions to certain third-order differential equations with discontinuous characteristics. E. A. Barbashin, V. A. Tabueva Prikl. mat. i mekh 28 no. 3 523-528 My-Je '64.

Uniqueness of the solution of the Cauchy problem for a differential equation with constant coefficients. N. N. Chaus. Ukr. mat. zhur. 16 no. 3:417-421 '64.

DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

Asymptotic behavior of solutions to the Cauchy problem in the case when the limiting equation has a singularity. Lin' TSzun-chi [Ling TSung-ch'ih]. Dokl AN SSSR 157 no. 3 522-525 Jl '64

Behavior of the solutions to boundary value problems for a quasi-linear parabolic equation at $t \to \infty$. IU. P Gor'kov Dokl AN SSSR 157 no 3:509-512 Jl '64

Uniform stabilization of the solutions to the Cauchy problem for parabolic equations. V D Repnikov. Dokl AN SSSR 157 no 3 532-535 Jl '64.

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

Numerical solution of a generalized polyharmonic inhomogeneous equation. G. I. Sulkhanishvili. Soob. AN Gruz. SSR 31 no. 1:3-8 Jl '63.

DIFFERENTIAL EQUATIONS, LINEAR

Application of the method of perturbations to linear equations with distributed delay. A M. Rodionov. Zhur. vych. mat. i mat. fiz. 4 no. 2:358-363 Mr-Ap '64.

Certain linear differential systems in partial derivatives. N. T. Stel'mashuk. Sib. mat. zhur. 5 no. 1:166-173 Ja-F '64.

Method for solution of a boundary value problem for a second-order linear differential equation. I. F. Gredzhuk. Ukr. mat. zhur. 16 no. 3:376-382 '64.

Numerical method of solution of certain problems of optimum control. B. N. Pshenichnyi. Zhur. vych. mat. i mat. fiz. 4 no. 2:292-305 Mr-Ap '64.

Properties of generalized solutions to linear elliptic and parabolic equations. A. V. Ivanov. Vest. LGU 19 no. 7:5-15 '64.

Stability of linear Hamiltonian equations with periodic coefficients in Hilbert space. V. N. Fomin. Vest. LGU 19 no. 7:37-45 '64.

Theory of linear differential equations of the n-th order with periodic coefficients. Vu Tuan. Dop. AN URSR no. 6:728-732 '63.

Uniform asymptotic equilibrium of systems of linear differential equations with a small parameter. A. I. Klimushev. Sib. mat. zhur. 5 no. 1:94-101 Ja-F '64.

DIFFERENTIAL EQUATIONS, PARTIAL

Breakdown of the solutions to a system of partial differential equations. S. TS. Sarkisian. Dokl. AN Arm. SSR 36 no. 5 271-276 '63.

Cauchy problem for a class of partial differential equations of higher order. I. F. Kushnirchuk. Dop. AN URSR no. 6:720-725 '63.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFRACTION

Method for solving the diffraction problem (two-dimensional case). V.V.Kravtsov. Zhur.vych.mat.i mat. fiz. 4 no.2;354-358 Mr-Ap '64.

DIFFUSION

Activation energy of self-diffusion in metals V V. Demchenko. Zhur.fiz.khim. 38 no 3;719-720 Mr '64.

Dependence of the extent of the dispersion of particles emitted by a constant source on the time interval of the experiment. E.K.Biutner. Trudy GGO no.150; 78-84 '64.

Determination of the solubility and diffusion coefficient of nickel in mercury by the method of amalgam polarography with storage. I.E.Krasnova, A.I.Zebreva, M.T.Kozlovskii. Dokl.AN SSSR 156 no 2,415-417 My '64.

Diffusion in nonideal solutions. L.I.Lisnianskii, M F. Vuks. Zhur.fiz.khim. 38 no.3;646-649 Mr '64.

Diffusion of cementite during the electric heating of carbon steel. V.Belotskii. Metalloved.i term.obr met. no 2;41-43 F '64.

Diffusion processes at mobile surfaces of the interfacial boundary. Part 1. IU.A.Buevich. Zhur.fiz.khim. 38 no 3;658-663 Mr '64.

Diffusion processes with a weakly absorbing boundary. Petr Mandl. Teor.veroiat.i ee prim. 9 no.2;283-292 '64.

Electron diffraction study of heterodiffusion in the system Ge - Si. B.IA.Pines, I.P.Grebennik. Kristallografiia 8 no.1;16-20 Ja-F '63.

On a certain problem in three-component diffusion. P.E.Suetin, B.A.Ivakin. Zhur.fiz.khim. 38 no.3: 576-578 Mr '64.

Possible mechanism for thermal diffusion in metallic solutions. D.K.Belashchenko. Zhur.fiz.khim. 38 no.3,565-570 Mr '64.

Redistribution of carbon determined by the microliquation of silicon in steels. and cast irons. IA.N. Malinochka. Izv.AN SSSR.Met.i gor.delo no.3;126-130 My-Je '64.

Role of diffusion in a process for the production of glass specimens of variable composition. V.I.Sheliubskii, G.V.Riazanov. Dokl.AN SSSR 156 no.2;302-305 My '64.

Surface diffusion in the electrodeposition of cadmium. A.V.Pamfilov, O.M.Dolgaia. Zhur fiz.khim. 36 no 6;1313-1315 Je '62.

Turbulent diffusion problem for an instantaneous admixture. O.N.Prokof'ev. PMTF no.6;122-123 N-D '63.

DIFFUSION COATINGS

Electrolytic boron coating of steel and cast iron parts. V.F.Fedorchenko, M.A.Zarubinskii, D.I.Manzhurin. Ugol' Ukr. 8 no.4;43 Ap '64.

Nonuniform carbon distribution and form of the separation of cementite in transition layers of the steel-bronze diffusion couple. E.P Ponomarenko, G.I.Vasilenko. Izv.vys ucheb.zav , chern met 7 no 6 117-124 '64.

DIGESTION

Digestion of cheese proteins in vitro. Sh.G.Gonashvili. Vop pit. 22 no.6;9-12 N-D '63.

Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays. N.E.Kovaleva. Sbor.rab.Inst.tsit. no.3;133-144 '63.

DIGESTIVE ORGANS—DISEASES

Character of the interrelations between hypertension and some diseases of the digestive organs. V.A. Aladashvili. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8;227-220 '63.

DIGESTIVE ORGANS—MICROBIOLOGY

Species of the antagonistic strains of lactic acid bacteria of the human gastrointestinal tract. V.I.Sudenko. Mikrobiol.zhur. 25 no.6;13-19 '63.

DIGESTIVE ORGANS—RADIOGRAPHY

Methodology of preparing an aqueous suspension of barium for X-ray examination of the gastrointestinal tract. V.I.Petrov and others. Vest.rent.i rad. 38 no 3·61-63 My-Je '63.

DIGITAL INFORMATION TRANSMISSION

Analysis of the performance of converters with operation based on a spatial coding method without physical representation of the code. M.V.Kadzharov. Soob. AN Gruz.SSR 31 no.2;361-368 Ag '63.

DIGITALIS

Biological activity of the leaves of Digitalis purpurea and Digitalis ferruginea. T.D.Kobakhidze. Soob.AN Gruz.SSR 31 no.2;449-454 Ag '63.

Comparative evaluation of the effect of Digitalis purpurea and Digitalis ferruginea on arterial pressure. T.D. Kobakhidze. Soob.AN Gruz.SSR 31 no.1;179-186 Jl '63.

Use of a powder from the leaves of Digitalis ciliata in treating chronic cardiac insufficiency. K.G.Vashakidze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;357-360 '63.

DIKES (GEOLOGY) see subdivision under Altai Mountains

DINOCEPHALIA

Study of dinocephalians of the U.S S.R. P.K.Chudinov. Paleont.zhur. no.2·85-98 '64

DIOXANE

Kinetics of dissolution of borax in aqueous dioxane solutions. R.L.Miuller, E.S.Shreiner. Zhur fiz.khim. 37 no.4;875-879 Ap '63.

Phase equilibria in the system water - hydrogen chloride-dioxane at 50°C. M.P.Susarev, V.V.Guseva. Zhur prikl khim. 37 no.5;1067-1072 My '64.

Synthesis and study of alkyl m-dioxanes A M Kuliev, A G Zul'fugarova Dokl AN Azerb.SSR 20 no 4;29-31 '64

Synthesis of some alkoxy-substituted 1,3-dioxanes A.V.Bogatskii, N.L Garkovik Zhur ob khim 34 no 5 1689 My '64

DIOXOLANE

D 1,3-Dioxolane ring opening by organomagnesium compounds. M.F.Shostakovskii, A.S.Atavin, B.A. Trofimov. Zhur.ob.khim. 34 no 6;2088-2089 Je '64.

DIPHTHERIA

(see also subdivision under Tomsk)

Fractional composition of proteins and losses of antitoxin in the purification and concentration of antidiphtheria serum. L.G.Galushko, E.I.Ivanova, E N. Pozdnova. Trudy Irk.NIIEM no.6,98-104 '61.

Selection of horses for serum production; author's abstract. E.N.Pozdnova, N.D.Petrova. Trudy Irk.NIIEM no.6,83-84 '61.

Utilization of horses as producers of antitoxic and antidiphtheriax serum, author's abstract. E.N. Pozdnova. Trudy Irk.NIIEM no.6;81-82 '61.

DIPHTHERIA—PREVENTIVE INOCULATION

Administration of antidiphtheritic vaccines. S.K.Dzhaparidze. Soob.AN Gruz.SSR 33 no.1;225-232 Ja '64.

Correlation of antibody titers in serum-producing horses in double immunization against diphtheria and tetanus B.G.Trukhmanov, S.M.Preger, R M.Slobodskoi. Trudy TomNIIVS 14;207-212 '63.

Duration of the preservation of diphtherial and tetanus immunity in serum-producing horses during the transfer to another type of immunization and the importance of delayed revaccination. B.G.Trukhmanov, R.M. Slobodskoi, S.D.Ron'zhina Trudy TomNIIVS 14;202-206 '63.

DISABILITY EVALUATION

(see also subdivision under Leningrad, Voronezh Province; Yaroslavl Province)

Ability to work of milk gland cancer patients. D.Efremov. Sots.obesp. 25 no.5 30-32 My '64.

Diagnostic errors and expertise on the working capacity in cardiovascular diseases. L.I.Fogel'son. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;331-335 '63.

Disability evaluation. V.Kuznetsov. Sots.obesp 25 no 5· 27-29 My '64.

Working capacity and social adaptation of patients acquiring schizophrenia in their childhood or adolescence; catamnestic data. V.M.Bashina. Zhur.nerv.i psikh. 63 no.7·1041-1046 '63.

Working capacity of patients following radical operations for gastric cancer. A.M.Korkmasov. Vop.onk. 10 no.2;56-61 '64.

DISARMAMENT

"From Yalta to disarmament; cold war debate" [in English] by J.P.Morray. Reviewed by V.V.Irinin. Ist. SSSR 7 no.2;205-208 Mr-Ap '63.

A new round of disarmament talks. L.Sedin. Nov.vrem. 21 no.26;6-9 Je '64.

United Nations, Soviet Union, and the falsifiers of history. V.G.Poliakov. Ist.SSSR 8 no.1;182-194 Ja-F '64.

DISARMAMENT—ECONOMIC ASPECTS

Irrefutable figures. IU.IAkhontov. Nov.mir 39 no.10; 275-276 O '63.

A look into the future; a book review. B.Leont'ev. Nov.vrem. 21 no.26;28-29 Je '64.

DISEASES—CAUSES AND THEORIES OF CAUSATION

Multiplicity of causes (polyetiology) in medicine. O.V. Korbikov. Vest.AMN SSSR 19 no.1;9-14 '64.

Some philosophical problems in the theory of disease. G.I.TSaregorodtsev. Vest.AMN SSSR 19 no.1;15-22 '64.

DISKS, ROTATING—TESTING

Testing stand for rotating disks of turbomachines. I.A. Kozlov, V.G.Bazhenov. Mashinostroenie no.1;25-28 Ja-F '64.

DISLOCATIONS IN CRYSTALS

Dependence of the density of dislocations on the hardening [illegible] AN Gruz.SSR 33 [illegible]

[illegible] n structure of type [illegible] Dokl.AN SSSR [illegible]

DISLOCATIONS IN METALS

Changes in the dislocation structure of steel by deformation in the presence of surface-active substances B I Kostetskii, L F Kolesnichenko Dokl AN SSSR 157 no.3 574-576 Jl '64

DISORDERS OF LOCOMOTION see Locomotion, Disordered

DISSOCIATION

Dissociation of tetracyclines studied by means of infrared spectroscopy K K Kalnin'sh, B G Belen'kii Dokl AN SSSR 157 no 3 619-621 Jl '64

Effect of constitutents on the dissociation constants and spectra of leucothioindigoids V.V.Karpov, V.G. Abozin. Zhur.prikl khim. 37 no.5·1165-1168 My '64

DISTANCES—MEASUREMENT

Zero-point method of range-finding with a SVV-1 geodimeter. F P.Noskov Izv.vys.ucheb.zav., geod.i aerof. no.6;55-62 '63.

DISTILLATION, FRACTIONAL

Deep-vacuum distillation vat of the Grozny Petroleum Scientific Research Institute. N F.Bogdanov. Nefteper.i neftekhim no 6;34-35 '63.

Mass transfer in the rectification of multicomponent mixtures. E.N.Konstantinov, A.M.Nikolaev. Izv. vys.ucheb.zav.; neft' i gaz 7 no.1,53-58 '64.

DISTILLATION APPARATUS

Experience with combined electric desalting and atmospheric and vacuum distillation units N R.Entus, I I Barkov Nefteper i neftekhim. no 4 3-7 '63

DISTRIBUTION (PROBABILITY THEORY)

Application of Chapman - Enskog's method to a gaseous mixture with internal degrees of freedom and chemical reactions. S.V.Vallander, I.A.Egorova, M.A. Rydalevskaia. Vest.LGU 19 no.7 155-161 '64.

Diffusion processes with a weakly absorbing boundary. Petr Mandl. Teor.veroiat.i ee prim. 9 no.2;283-292 '64.

Distribution of the points of maximum in a diffusion process with a variable parameter. V.I.Babkin. Teor. veroiat.i ee prim. 9 no.2;373-378 '64.

Periods of pseudo-random sequences. I.M.Sobol'. Teor.veroiat.i ee prim. 9 no.2;367-373 '64.

DISULFIDE

New disinfectant of corn seeds. L.P.Roktanen. Trudy TSel sel'khoz inst 1 127-130 '63.

DIURETICS AND DIURESIS

Diuretic and hypotensive effect of hypothiazide. N.A. Ratner. Trudy Inst.klin i eksper.kard.AN Gruz.SSR 8;273-277 '63.

Effect of ascorbic acid on water diuresis in horses P G Men'shakov Zap Vor sel'khoz.inst. 17 no 2· 283-285 '62

Effect of phenamine on water diuresis in horses. P.G. Men'shakov. Zap.Vor sel'khoz inst 17 no 2 279-281 '62

Effect of reflexes from the receptors of the lymphatic system on diuresis. L.P.Musatova, I.A.Potapov. Izv.AN Kazakh.SSR Ser.med.nauk 11 no.2;17-21 '64.

DMANISI DISTRICT—ANTIQUITIES

Zurtaketi kurgans. O.M.Dzhaparidze. Soob.AN Gruz. SSR 31 no.1;247-255 Jl '63.

DNEPROPETROVSK—BRIDGES, PILE—DESIGN AND CONSTRUCTION

Initiative of machine operators of Sviridenko's brigade. A.I.Gnatenko. Transp.stroi. 13 no.12;37 D '63.

DNEPROPETROVSK PROVINCE—CIVIL DEFENSE

Double use. M.Tuzhilkin. Voen.znan 40 no.6·18 Je '64.

DNEPROPETROVSK PROVINCE—CORN (MAIZE)—DRYING

Continuous corn processing at the enterprises in Dnepropetrovsk Province. V.Krasnozhon. Muk.-elev.prom. 30 no.4·10-11 Ap '64.

DNEPROPETROVSK PROVINCE—RURAL CONSTRUCTION

Real reasons for the lag are in the poor organization of work. M.Sysoiev. Sil'.bud. 13 no.3;9-10 Mr '63.

DNEPROPETROVSK PROVINCE—WORLD WAR, 1939-1945

[illegible] propetrovskaia oblast' v gody velikoi Otechestvennoi voiny Sovetskogo Soiuza, 1941-1945; sbornik dokumentov i materialov. Glav. red. A.F.Stetsenko. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1962. 361 p.
(MH)

DNIEPER-DONETS LOWLAND—FAULTS (GEOLOGY)

Locating deep fractures from data of structural drilling. V M.Smelianskii Neftegaz geol.i geofiz. no.4,26-29 '63

DNIEPER-DONETS LOWLAND—HALOGENS

Basic stages of the formation of Devonian sediments in the Pripet fault and Dnieper-Donets Lowland. V.P. Kirikov. Trudy VSEGEI 91:107-129 '63.

DNIEPER-DONETS LOWLAND—OIL SANDS—ANALYSIS

Two groups of reservoir rocks of the producing sediments of the Gnedintsevskoe oil field V.I Savchenko. Izv. vys.ucheb.zav., neft' i gaz 7 no.1 3-6 '64

DNIEPER-DONETS LOWLAND—PALEOGEOGRAPHY

Paleogeography of the Pripet fault and the northwestern part of the Dnieper-Donets Lowland in the Paleogene. A.G. Ber. Trudy VSEGEI 91 173-190 '63.

DNIEPER-DONETS LOWLAND—SEISMIC PROSPECTING

Locating deep fractures from data of structural drilling V M Strelianskii Neftegaz geol i geofiz no 4 26-29 '63

Possibility of conducting side searches for underground waters in seismic prospecting as revealed by a study in the Dnieper-Donets Lowland. B.F.IEnevych. [Pratsi] Inst geol nauk AN URSR Ser.hidrogeol i inzh.geol no.9 5-26 '63

DNIEPER-DONETS LOWLAND—WATER, UNDERGROUND

Possibility of conducting side searches for underground waters in seismic prospecting as revealed by a study in the Dnieper-Donets Lowland B F.IEnevych. [Pratsi] Inst geol nauk AN URSR.Ser.hidrogeol.i inzh geol. no.9 5-26 '63.

DNIEPER RIVER—PHYTOPLANKTON

Study of the phytoplankton of the upper Dnieper. M O Lytvynova Ukr.bot.zhur. 21 no.3:43-52 '64.

DNIEPER VALLEY—CHARNOCKITE

Genesis of charnockite in the southwestern part of the Ukrainian Crystalline Shield. E.B. Nalivkina. Trudy VSEGEI 91:33-57 '63.

DNIEPER VALLEY—COCKCHAFERS—EXTERMINATION

Controlling scarabaeid larvae in vineyards by applying hexachloran to both sides of the row. H I Sharuda Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 123-126 '61

DNIEPER VALLEY—FRUIT

Binding light soils for young vineyards and orchards. S K Onyshchuk Nauk pratsi Nyzhn'odnipr.nauk -dosl sta po zalis pisk i vyn na pisk no 9 111-116 '61

DNIEPER VALLEY—GEOLOGY, STRATIGRAPHIC

Volume of the Kiev and Kharkov series in the boundaries of the Ukrainian Crystalline Shield. M.M.Kliushnykov, V.O.Zelins'ka. Dop.AN URSR no.6:808-811 '63

DNIEPER VALLEY—GRAPES

Binding light soils for young vineyards and orchards S K Onyshchuk Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 111-116 '61

DNIEPER VALLEY—GRAPES—DISEASES AND PESTS

Controlling scarabaeid larvae in vineyards by applying hexachloran to both sides of the row. H I Sharuda Nauk pratsi Nyzhn'odnipr.nauk -dosl sta po zalis pisk i vyn na pisk no 9 123-126 '61

Testing new preparations in the control of mildew in vineyards Z I.Kochenko. Nauk pratsi Nyzhn'odnipr nauk -dosl sta.po zalis pisk i vyn na pisk. no 9:127-136 '61

DNIEPER VALLEY—GRAPES—IRRIGATION

Irrigation of vineyards in the sandy-loam soils of the lower Dnieper Valley V K Moskalenko Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 77-86 '61.

DNIEPER VALLEY—GRAPES—VARIETIES

Better table grape varieties for conditions in the lower Dnieper Valley I L Zelenin Nauk pratsi Nyzhn'odnipr nauk.-dosl sta po zalis pisk i vyn.na pisk. no.9 95-110 '61.

DNIEPER VALLEY—PINE

Cultivation practice basis of the hardiness of pine plantations in the sands of the lower Dnieper Valley. D P Toropohryts'kyi Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 3-12 '61.

Moisture and nutrition conditions of pine in sands. V.M Vynohradov Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 58-70 '61

DNIEPER VALLEY—PLANTING TIME

Planting time for strawberries in the lower Dnieper Valley V P Nenaidenko Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk no 9 117-122 '61

DNIEPER VALLEY—SAND

Cultivation practice basis of the hardiness of pine plantations in the sands of the lower Dnieper Valley D P Toropohryts'kyi Nauk pratsi Nyzhn'odnipr nauk -dosl.sta po zalis pisk i vyn na pisk no 9 3-12 '61

Moisture and nutrition conditions of pine in sands V.M. Vynohradov Nauk pratsi Nyzhn'odnipr nauk.-dosl. sta po zalis pisk i vyn na pisk no 9 58-70 '61

DNIEPER VALLEY—SOIL BINDING

Binding light soils for young vineyards and orchards S K Onyshchuk Nauk pratsi Nyzhn'odnipr.nauk -dosl sta po zalis.pisk i vyn na pisk. no 9:111-116 '61

DNIEPER VALLEY—STRAWBERRIES

Planting time for strawberries in the lower Dnieper Valley V P Nenaidenko Nauk pratsi Nyzhn'odnipr nauk -dosl sta po zalis pisk i vyn na pisk. no 9 117-122 '61

DNIEPER VALLEY—WATER, UNDERGROUND

Formation of underground water resources in the Dnieper-Molochnaya interfluve. V.I.Lial'ko. [Pratsi] Inst.geol.nauk AN URSR.Ser.hidrogeol.i inzh.geol. no.9:41-65 '63

DNIEPER VALLEY—WEATHERING

Mineralogy of the weathering surface of ultrabasic rocks in the region of the Sursk magnetic anomalies of the middle Dnieper Valley. A U. Lytvynenko, D.P. Khorosheva. Geol.zhur 23 no.4:25-38 '63

DNIESTER VALLEY—GEOLOGICAL TIME

New data on the absolute age of the Late Paleolithic formations of the Molodova V site in the middle Dniester Valley. V.A.Alekseev and others. Dokl.AN SSSR 156 no.2,315-317 My '64.

DNIESTER VALLEY—KARST

Some problems of karst in the gypsum-anhydrite horizon of the Dniester Valley. L.H.Tkachuk, V.I.Koltun. Geol.zhur. 23 no.4 68-74 '63.

DNIESTER VALLEY—TERRACES (GEOLOGY)

Terraces of the lower Dniester Valley. A.L.Chepalyha. Pratsi Od.un. 150 Zbir.stud.rob. no.6:127-130 '60.

DOCUMENTATION

Gol'dgamer, G.I. [Organization and planning of work connected with information service] Organizatsiia i planirovanie rabot sluzhb informatsii. Moskva, Ekonomika, 1964. 194 p.

DODDER

Controlling dodder in gardens. P.G.Ruzinov. Zashch. rast.ot vred.i bol. 9 no.6:38 '64.

Significance of stamen morphology in the taxonomy of the genus Cuscuta L. N.S. Mitrofanova. Biul. MOIP, Otd.biol. 69 no.3:132-133 My-Je '64.

DOG BREEDING

Young dogs breeders. L.Shereshevskaia. Voen.znan. 40 no 6 47 Je '64

DOGS

Clinical and X-ray examination of the liver of dogs. V K Khokhlachev, B S.Kashintsev Zap Vor.sel'khoz inst 17 no 2:241-245 '62

Methods of the contrast X-ray examination of the gall bladder in dogs V K Khokhlachev, B S.Kashintsev, I L Rudakov Zap Vor sel'khoz inst 17 no.2:247-252 '62

DOGS—DISEASES AND PESTS

Cadmium salts as anthelmintics in cestodiasis of dogs. V T Ramazanov. Vest.sel'khoz.nauki [Kazakh.] 7 no 6 77-83 Je '64

Pathomorphology of Aujeszky's disease in young dogs in an experiment. N.D.Mikhailiukov. Zap Vor.sel'khoz inst 17 no 2 69-75 '62.

DOGS—FOOD

Effect of the composition of feeds of the host on the fecundity of ascarids parasitic in dogs M.V.Nasonova Zap Vor sel'khoz inst 17 no.2:97-100 '62.

DOGS—PARASITES see Parasites—Dogs

DOGS AS CARRIERS OF DISEASE

Danilevicius, Eduardas. [Echinococcosis and other diseases carried by dogs] Echinokokoze ir kitos sunu platinamos ligos. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 34 p. [In Lithuanian]
(DNLM)

DOLINA OIL FIELD—COLLOIDS

Spectrographic investigation of petroleum sols obtained from the menilite series of the Dolina field. V A Kraiushkin, S B Kazakov, V.I Andrusechko. Neftegaz geol i geofiz no 4 58-62 '63

DOLOMITE

Bituminous dolomites and how they are used in industry. P.P.Zabarinskii. Izv.vys.ucheb.zav., neft' i gaz 7 no.1:107-108 '64.

DOMAIN STRUCTURE

Detection of the domain structure in ammonium fluoberyllate crystals. S.D Toshev. Kristallografiia 8 no.1: 114-116 Ja-F '63.

Processes of growth of smectic textures. I.G.Chistiakov. Kristallografiia 8 no.1:123-128 Ja-F '63.

DOMESTIC ANIMALS—PARASITES see Parasites—Domestic animals

DOMESTIC ANIMALS, FOSSIL see subdivision under Europe, Eastern

DOMESTIC RELATIONS

He wronged his sons. M.Mironov. Sem'ia i shkola 19 no.5:45 My '64.

Orydoroha, M.T. [Soviet family law] Radians'ki zakony pro sim'iu. Kyiv, Derzhpolitvydav URSR, 1963. 36 p.

Shakhmatov, V.P. [Family law problems in the light of judicial practice; textbook for students of the All-Union Law Correspondence Institute] Voprosy semeinogo prava v praktike sudov; uchebnoe posobie dlia studentov VIuZI. Moskva, Vses. iurid. zaochnyi in-t, 1963. 84 p.
[MICROFILM]

DON VALLEY—IRRIGATION FARMING

For a more intensive utilization of the Don floodplain. N.Lobov. Ekon.sel'khoz. 34 no.12:40-48 D '63.

DONETS BASIN—COAL MINES AND MINING

Analytic method for selecting an efficient way of mining contiguous flat seams in the Donets Basin. E.D. Bondarenko. Sbor.trud.Inst.gor.dela AN URSR no.13: 59-67 '63.

Coal losses in Donets Basin hydraulic mines. V.S. Boldinov and others. Ugol' Ukr. 8 no.4:25-27 Ap '64.

Commission for the reorganization and modernization of Donets Basin mines. M.E.Babenin, A.A.Zaplotynskii. Ugol' Ukr. 8 no.4:55-56 Ap '64.

The Donets Basin is expanding its boundaries. E.Simonovich. Sov.shakht. 11 no.12:7 D '62.

Establishing parameters for hydraulic mining of coal in the Donets Basin. R.A.Brotosh, Z.A.Stetsenko. Sbor. trud.Inst.gor.dela AN URSR no.13.30-47 '63.

High rates of mining inclined workings. D N.Korniievskii, IA G.Rafal'. Shakht.strol. 8 no.4 22-24 Ap '64.

Method of determining basic parameters for paneling thin flat seams in the Donets Basin during hydraulic mining. V.L.Pokrass. Sbor.trud.Inst.gor.dela AN URSR no.13:15-25 '63.

Mining deep levels in the central region of the Donets Basin. K.I.Tatomir, I.M.Andreev, N.V.Bakulin. Ugol' Ukr. 8 no.5:11-14 My '64.

New coal region in the Donets Basin. I.I.Zakovrinshin Shakht.strol. 7 no.3:32, p.3 of cover Mr '63.

Rapid mining of crosscuts at "Pervomayskiyugol'" Trust mines. A.I.Galer'. Shakht strol. 8 no.4.10-22 Ap '64

The "Rosalia" Mine. V.Korneev. Sov.shakht. 11 no.12:8-10 D '62.

Srebnyi, M.A., and others. [World record for making a haulage drift (making 1,151 m. of drift in one month at Mine No.103 of the Chistiakovantratsit Trust)] Mirovoi rekord provedeniia otkatochnogo shtreka (1051 m shtreka v mesiats na shakhte No.103 tresta Chistiakovantratsit). Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 22 p. (Seriia: Stroitel'stvo i rekonstruktsiia ugol'nykh predpriiatii)
[MICROFILM]

Stability of haulage drifts on steep seams in the Donets Basin. A.P.Fedotov. Ugol' Ukr. 8 no.5:14-16 My '64.

With the Snezhnoye efficiency experts. M.Savenko. Sov.shakht. 11 no.12:11-12 D '62.

DONETS BASIN—COAL MINES AND MINING—CONGRESSES

Conference on the problems of mining Donets Basin coal deposits at great depths. V.L.Grigor'ev, I.P.Shymkov. Shakht.strol. 8 no.4:30-32 Ap '64.

DONETS BASIN—COAL MINES AND MINING—COSTS

Economic efficiency of leaving rock in the mine while working flat and inclined seams in the Donets Basin. A.K.Levchenko. Izv.vys.ucheb.zav.; gor.zhur. 7 no.4:76-87 '64.

DONETS BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION

Extinguishing burning methane in a stoped out area in mine No.43. V.I.Kravchenko, V.E.Mukhin. Ugol' Ukr. 8 no.4:49-51 Ap '64.

DONETS BASIN—COAL MINES AND MINING—HANDBOOKS, MANUALS, ETC.

Ostrovskii, S. M., E. V. Petrenko, and V. G. Korenev. [Handbook for Donets Basin miners] Spravochnik shakhtera Donbassa. Moskva, Izd-vo "Nedra," 1964. 411 p.

DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Overall mechanization and the concentration of operations in the No. 1/2 "Gorskaia" Mine N. A. Korenko. Ugol' Ukr 8 no. 5.25-27 My 64.

DONETS BASIN—COAL PREPARATION

Jigging unclassified coal at the "Verkhne-Duvanskaya" Central Preparation Plant. Ugol' 39 no. 6:17-19 Je '64.

Preparation of coal in a magnetite suspension at the Artem Mine. P. P. Zemlianskii, V. I. Khaidakin. Ugol' Ukr. 8 no. 4:40-43 Ap '64.

DONETS BASIN—ENGINEERING GEOLOGY

Engineering geology conditions for industrial and housing construction in the western Donets Basin I. V. Galich. Ugol' Ukr 8 no. 4:24 Ap '64.

DONETS BASIN—GEOLOGY, STRATIGRAPHIC

Lower boundary of the Namur stage in the western Donets Basin. N. V. IAroshenko. Geol. zhur. 23 no. 4:87-90 '63.

DONETS BASIN—HISTORY

Goncharenko, N. G. [Soviets of the Donets Basin in 1917, March-December] Sovety Donbassa v 1917 g., mart-dekabr'. [Stalino] Stalinskoe obl. izd-vo, 1957. 131 p.
(MIRA)

DONETS BASIN—LABOR AND LABORING CLASSES

Borshchevskii, V. IA. [The laboring class and the soviets of the Donets-Krivoy Rog Basin in the October Revolution] Rabochii klass i Sovety Donetsko-Krivorozhskogo basseina v Oktiabr'skoi revoliutsii. Dnepropetrovsk, 1962. 2 v.
(MIRA)

DONETS BASIN—MANGANESE MINES AND MINING—EQUIPMENT AND SUPPLIES

Conveyor bridge at the Shevchenko strip mine. M. M. Zherbin, S. I. Balinskii. Ugol' Ukr. 8 no. 4:31-33 Ap '64.

DONETS BASIN—MINE FILLING

Which seams should be worked with mine filling. A. V. Aulov. Ugol' Ukr. 8 no. 4:18-20 Ap '64.

DONETS BASIN—MINE HOISTING

Rapid method of replacing guides in shafts of the Abakumov Mine. A. V. Pastukhov. Ugol' 39 no 6:74 Je '64.

DONETS BASIN—PROSPECTING—GEOPHYSICAL METHODS

Basic elements of the tectonics of the eastern part of the Donets Basin and the western sector of the Karpinsk swell according to geophysical data. A. I. Dlukov. Geofiz. razv. no. 15:51-60 '64.

DONETS BASIN—ROCKS, IGNEOUS—ANALYSIS

Basic characteristics of the petrochemistry of igneous rocks in the Donets Basin. N. V. Buturlinov. Dokl. AN SSSR 167 no. 2:357-360 Jl '64.

DONETS BASIN—VOLCANIC ASH, TUFF, ETC.

New finds of volcanic ash in the Donets Basin. I. O. Makarov, IU. A. Borysenko. Geol. zhur. 23 no. 4:51-61 '63.

DONETS BASIN—WAGES—COAL MINERS

Regulate the system of awarding bonuses to miners of mines under construction in the Donets Basin. A. P. Pavliutkin, IA. N. TSirkovich. Shakht. stroi. 7 no. 11: 12-13 N '63.

DONETS ECONOMIC REGION—COAL MINES AND MINING

At the technical and economic meeting of the Donets Council of National Economy. L. S. Piliukhanov, A. P. Vol'pert. Ugol' Ukr. 8 no. 5:53-54 My '64.

DONETS ECONOMIC REGION—INDUSTRIAL MANAGEMENT

Activity of the Voluntary Bureau of Labor Organization and Establishment of Norms of the Donets Economic Region V. Dubodelov, V. Kuznetsov. Mashinostroitel' no. 4:37-38 Ap '64.

DORMICE

Diurnal activity of Dyromys nitedula Pall. P. K. Smirnov. Vest. LGU 19 no. 9:125-127 '64.

DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

New book on Dostoevskii. M. Boiko. Nov. mir 39 no. 10: 259-262 O '63.

DOUBLE BONDS

Problem of obtaining double bond linkage in cyclopropene ring formation. Part 1: Attempting the synthesis of 2,3-dibutyl-1-methylene- and 2,3-dibutyl-1-diphenylmethylene-cyclopropenes. I. A. D'iakonov, R. R. Kostikov. Zhur. ob. khim. 34 no. 6:1722-1726 Je '64.

DOUGH

Modernization of the continuous dough making line. V. I. Dzhalaganiia. Khleb. i kond prom. 6 no. 7:27-29 Jl '62

DRAGONFLIES see subdivision under Siberia

DRAINAGE see subdivision under Soviet Far East

DRAINAGE—EQUIPMENT AND SUPPLIES

Sagal'chik, B. M. [Performance of the bucket of a backshoe on peat soils] Rabota kovsha obratnoi lopaty na torfianom grunte. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 37 p.
[MICROFILM]

DRAINAGE, SURGICAL

Continuous suction of the contents through a duodenal catheter in surgery of the biliary tract E V Smirnov, S. D Popov. Vest. khir 91 no 10 3-8 O '63

Some complications and hazards in the transduodenal papillectomy O B. Porembskii Vest khir 91 no 10 8-12 O '63

Surgical treatment of acute pancreatitis V. M Merina-Gluskina Vest khir 91 no. 10 39-43 O '63.

DRAWING (METALWORK)

Arkulis, G. E. [Simultaneous plastic deformation of dissimilar metals] Sovmestnaia plasticheskaia deformatsiia raznykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 270 p.

Popov, E. A. [Analysis of factors affecting the magnitude of the permissible drawing coefficient for axisymmetric parts] Analiz faktorov, vliiaiushchikh na velichinu dopustimogo koeffitsienta vytiazhki osesimmetrichnykh detalei. Leningrad, 1964. 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 4)

Theory of the drawing of a rigid plastic strip through curvilinear dies. G. I. Bykovtsev, IU. M. Miasniankin. Izv. AN SSSR. Mekh. i mashinostr. no. 3:113-116 My-Je '64.

DREAMS

Kregzde, S. [Hallucinations, dreams, hypnosis] Haliucinacijos, sapnai, itaiga. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 31 p. [In Lithuanian]

DREDGING

Drift filling of dredging cuts during the low water season. B. F. Snishchenko. Trudy LIVT no. 46:49-58 '63.

DRESSMAKING—PATTERN DESIGN

Design of the armhole height and sleeve width. A. M. Lebedev. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6: 136-141 '63.

DRIFT

Theory of ice drift in a horizontal-homogenous sea. B. A. Kagan. Trudy GGO no. 150:36-52 '64.

DRILLING AND BORING

Berdnikov, L. N., G. P. Il'in, and M. A. Shaterin. [Drilling and milling heat-resistant and low-magnetic steels; verbatim record of a lecture delivered at the Leningrad House of Scientific and Technical Information in May 1963] Sverlenie i frezerovanie zharoprochnykh i malomagnitnykh stalei; stenogramma lektsii, prochitannoi v LDNTP v mae 1963 g. Leningrad, 1964 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Mekhanicheskaia obrabotka metallov)

Determining the optimum sweep of drills equipped with hard-alloy tips in drilling GIZL steel. V. A. Zhilin. Vest. mashinostr. 44 no. 2:62-66 F '64.

DRILLING AND BORING MACHINERY

Boring bar for machining tailstock of lathes. IU. I. Gen'kin. Mashinostroitel' no. 5:25 My '64.

Multiple machining of bearing caps on a drilling machine. A. U. Margules. Mashinostroitel' no. 5:35 My '64.

New boring head. I. I. Sykalo. Mashinostroitel' no. 4:27 Ap '64.

Pekelis, G. D., and V. M. Ivanov. [Technology of the major overhaul of universal turntables of the "SIP" jig-boring machines] Tekhnologiia kapital'nogo remonta universal'nykh povorotnykh stolov koordinatnorastochnykh stankov firmy "SIP." Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

DRILLING AND BORING MACHINERY—[illegible]

[illegible]

[illegible]

DRILLING AND BORING MACHINERY—ELECTRIC DRIVING

Controlled electric drives of heavy-duty boring machines. IA. S. Brovman. Stan. i instr. 35 no. 5:7-11 My '64.

DRILLING FLUIDS

Circulation fluid for drilling in producing reservoirs in gas fields. A. I. Berezhnoi, P. G. Kulagin. Gaz. prom. 8 no. 1:4-8 '63.

Flush muds for boring frozen boreholes in the Berezovskiy potash deposit. Shakht. stroi 8 no. 5:30 My '64.

Flush muds used in boring exploratory holes V A IAroshenko, A N Bor'kin Sbor nauch trud KGRI no. 21 61-66 '63

Some technical means of controlling catastrophic absorption of flush muds in boreholes in the Krivoy Rog Basin V A IAroshenko S Kh Golubev Sbor nauch trud KGRI no 21 92-101 '63

DRINKING WATER—DISINFECTION

"Disinfection of drinking water" by S N Cherkinskii, N N Trakhtman Reviewed by O V Vasil'evskaia Vest AMN SSSR 18 no 11 83-86 '63

DROPS

Theory of the vibrations and fractionation of a drop in gas flow in the presence of vortex movement within the drop. Part 1 Izv AN SSSR. Ser. geofiz no 7: 1084-1092 Jl '64.

DROPS—MEASUREMENT

Estimating the dimensions of droplets. Kh. N. Zeilikman. Zashch. rast. ot vred. i bol. 9 no. 6:20-21 '64.

DRUG INDUSTRY

Automation of the process of sterilization of drugs in the drugstore. A. I. Svirkov. Apt. delo 12 no. 2:60-63 Mr-Ap '63

DRUG INDUSTRY—EQUIPMENT AND SUPPLIES

Aseptic preparation of drugs. P. V. Lopatin. Apt. delo 11 no. 6:59-64 N-D '62.

From the working experience of pharmaceutical industries Report No. 3. Tablet-producing plants. O. I. Belova, G. I. Ratkevich. Apt. delo 11 no. 6 48-52 N-D '62.

DRUGS

New drugs. V. D. Kucherenko. Apt. delo 11 no. 6 82-84 N-D '62.

New medical remedies Farmatsev zhur 18 no. 4:92-93 '63.

DRUGS—ADULTERATION AND ANALYSIS

Analysis of ferrocal tablets. M IA Sobko Farmatsev zhur. 18 no 1 43-46 '63.

Group reaction for determining sodium salts of barbiturates. V. I. Lobanov Farmatsev zhur. 18 no. 4:51-54 '63.

New method for quantitative determination of khellin in anhydrous solvents M O. Kazarinov, N P Dziuba Farmatsev zhur 18 no. 4:39-43 '63

Qualitative determination of medicinal substances in mixtures by the crystalline coating method [with summary in English]. V. G. Rubinskaia, N. A. Figurovskii. Apt. delo 11 no. 6.37-42 N-D '62.

Qualitative determination of reserpine [with summary in English]. L. V. Pesakhovich. Apt. delo 11 no. 6:42-47 N-D '62.

Quantitative determination of combined medicinal preparations by titration in anhydrous solvents V. P Georgiieva'kyi, N. P. Dziuba, M A Izmailov Farmatsev. zhur. 18 no. 4.27-31 '63.

DRUGS—STANDARDS

Internal control in some large pharmacies. L. I. Zaichkina. Apt. delo 12 no. 2:18-23 Mr-Ap '63.

Mercurimetric titration in pharmacy internal control. IA. E. Belilovskii. Apt. delo 12 no. 2:74-75 Mr-Ap '63.

DRUGS—STERILIZATION

Automation of the process of sterilization of drugs in the drugstore. A. I. Svirkov. Apt. delo 12 no. 2:60-63 Mr-Ap '63.

DRUGSTORES

(see also subdivision under Starobel'sk District; Ternopol' Province; Ukraine; Vinnitsa Province)

Bolshevik press on the strike of drugstore employees in September 1917. Apt. delo 12 no. 2:90-91 Mr-Ap '63.

Central district drugstore. L. G. Shmaruk. Apt. delo 11 no. 6:13-17 N-D '62.

DRUGSTORES—EQUIPMENT AND SUPPLIES

New apparatus and devices for drugstore practice. P. E. Rozentsveig, IU. M. Zotikov. Apt. delo 11 no. 6.52-59 N-D '62.

DRYING

Suspension system for case hardening of small components without the use of forms. A. A. Filatov Prom. energ. 19 no. 6:6-7 Je '64.

DRYING APPARATUS see subdivision under Chernigov Province; Lokachi (Ukraine)

Use of drying oil fogs in studying filtration of aerosols. L.V.Radushkevich, V.A.Kolganov. Zhur.fiz.khim. 38 no.3:806-808 Mr '64.

DUCKS
(see also subdivision under Russia, Northern)

Theory and practice of waterfolw egg incubation IU N Nikolaeva Trudy Bel nauch -issl inst zhiv 3 175-183 '62.

DUDIN, MIKHAIL ALEKSANDROVICH, 1916-

Unquenchable love. V.Khar'luzov. Sov.voin. 46 no.11 15 Je '64.

DURER, ALBRECHT, 1471-1528

Arane, N.M. [Engravings by Durer in the Hermitage] Graviury Diurera v Ermitazhe. Leningrad, Izd-vo "Sovetskii khudozhnik," 1964. 34 p. illus.

DUMPING (COMMERCIAL POLICY) see subdivision under United States

DUMPING SYNDROME

Dumping syndrome and preoperative detection of factors predisposing its development following resection of the stomach. T.P.Makarenko, A.I.Sveshnikov. Khirurgiia 40 no.2:98-103 F '64.

DUODENUM—DISEASES

Duodenal stasis in chronic pancreatitis. L P.Volkova, L I Dobychina Vest khir 91 no 10,49-56 O '63

Duodenal stenosis in newborn children. M I Trukhachev Vest.khir. 91 no.10.102-103 O '63.

Surgery in chronic duodenal stasis. P N Napalkov, Vest khir 91 no 10 43-48 O '63.

DUODENUM—RADIOGRAPHY

X-ray examination of the stomach and duodenum in tumors of the pancreas. L.I.Dobychina. Vop.onk. 10 no 2:47-56 '64.

DUODENUM—SURGERY

Some complications and hazards in the transduodenal papillectomy O.B Porembskii Vest khir 91 no.10. 8-12 O '63

Surgery in chronic duodenal stasis P N.Napalkov. Vest khir. 91 no.10 43-48 O '63

DUODENUM—ULCERS

Perforated gastric and duodenal uclers in children. A N. Orlov. Vest.khir 91 no 10 101 O '63

Spontaneous internal biliary fistulas S.G Orel. Vest khir 91 no.10 22-30 O '63

Treatment of multiple ulcers of the stomach and duodenum. T.S.Sikharulidze, T L Lomidze Soob. AN Gruz.SSR 31 no.2;475-479 Ag '63.

DURA MATER—INNERVATION

Reactive changes in the afferent conductors of the cerebral dura mater in the paravascular region V V. Anisimova-Aleksandrova. Trudy SMI 15:141-153 '62.

Structure and innervation of the nerves of the cerebral dura mater. V.V.Anisimova-Aleksandrova. Trudy SMI 15:3-17 '62.

DUSHETI DISTRICT—PORPHYRY

New data on alkali trahyte porphyries in Dusheti District. A.A.Nosov. Soob.AN Gruz.SSR 31 no.1:83-88 Jl '63.

DUSHETI DISTRICT—TRACHYTE

New data on alkali trahyte porphyries in Dusheti District. A.A.Nosov. Soob.AN Gruz. SSR 31 no.1,83-88 Jl '63.

DUSSELDORF—VIADUCTS—DESIGN AND CONSTRUCTION

Viaduct of unusual design. V.P.Kan'shin. Transp. stroi 13 no.12:63-64 D '63.

DUST

Dust formation during the blowing of an open-hearth furnace bath by oxygen A L.Serokhvostov. V.F. Bogatenkov, D.IA.Povolotskii. Izv.vys uchob.zav, chern.met 7 no.6 52-55 '64

DUST COLLECTORS

Contact of particles in dust passages with the movement of the dusty air current. I.P.Petrov. Izv.vys.ucheb. zav.; gor.zhur. 7 no.4:92-96 '64.

DVINA RIVER, NORTHERN see Northern Dvina River

DYES AND DYEING

Characteristics of the masking color components made of pyrazolin arylazo derivatives and anilides of 1,2-hydroxynapthoic acid. B.S.Portnaia and others. Usp. nauch fot. 8 35-43 '62.

Effect of electrolytes on the absorption of dyes by radioactive precipitates of $BaSO_4$. Vikt.I.Spitsyn, V.V. Gromov. Dokl.AN SSSR 156 no.2.427-429 My '64.

Parini, V.P., and Z.S.Kazakova. [Chemical palette] Palitra khimii. Moskva, Izd-vo "Nauka," 1964. 126 p. (Nauchno-populiarnaia seriia)

Polymethine dyes, derivatives of heterocyclic bases containing condensed thiophene rings. Part 1: Derivatives of thienothiazoles. V.G.Zhiriakov. Zhur.ob. khim. 34 no.6:2034-2039 Je '64.

Synthetic dyes. Part 38: Synthesis and transformations of 1,2-diaryl lepidinium salts. G.T.Piliugin, B.M Gutsuliak, IA O.Gorichok Zhur.ob khim. 34 no 6: 1892-1097 Je '64.

DYES AND DYEING—CHEMISTRY

Diffusion of dyes in the gelatin gel. I B Bliumberg. I.M Davydkin. Usp nauch fot 8 108-114 '62

Mechanism of the dyeing of gelatin layers Report No 1 N S Spasokukotskii, S.E Tikhanovich. Usp nauch fot 8:115-124 '62

Mechanism of the dyeing of gelatin layers Report No 2 N S Spasokukotskii, S.E Tikhanovich Usp nauch.fot 8 125-133 '62

DYES AND DYEING—COTTON

Dyeing of elastic capron and cotton yarn on bobbins. M.V.Serdiukov, M.IA.Muzurov Leh prom. no 2: 25-27 Ap-Je '64.

DYES AND DYEING—NYLON

Dyeing of elastic capron and cotton yarn on bobbins. M.V.Serdiukov, M.IA.Muzurov. Leh.prom. no 2: 25-27 Ap-Je '64

DYES AND DYEING—SPECTRA

Effect of constituents on the dissociation constants and spectra of leucothioindigoids V.V Karpov, V.G Abozin Zhur.prikl khim. 37 no.5;1165-1168 My '64.

DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Dyeing of lavsan fibers with dispersion dyes. P.I. Mikhailenko and others. Leh.prom. no.2:27-29 Ap-Je '64.

DYNAMICS

Romadin, P.V. [Origin and development of the fundamental concepts of dynamics] Vozniknovenie i razvitie osnovnykh poniatii dinamiki. Saransk, Mordovskoe knizhnoe Izd-vo, 1963. 102 p.

Synchronization of almost identical dynamic systems close to Liapunov systems. R.F.Nagaev Prikl. mat.i mekh 28 no.3 483-492 My-Je '64

DYNAMOMETRY

Portable electronic checking dynamograph. A D Dinkel', G G Dirks, N M.Litsyn. Neft.khoz 41 no.11:59-62 N '63.

DYNAMOS see Electric generators

DYSENTERY

Accelerated laboratory diagnosis of dysentery in mass examinations. F.S.Shneerson, R.I.Rozankova, N.I. Kartozhinskaia. Lab.delo no 6.360-361 '64.

Differential diagnosis of morphological changes in the intestine in dysentery and "colienteritis" in breast-fed and very young children V.V.Zarudin Trudy SMI 15;236-246 '62.

Effect of vitamin C on the functional status of the central nervous system in dysenteric patients A.P.Kazantsev Vop.pit 22 no 6:30-33 N-D '63.

Ration of the titer of a dry dysenteric bacteriophage to the different conditions of its preservation, author's abstract. V.N.Valueva, A.P.Panfilova. Trudy Irk. NIIEM no.6.141-142 '61.

Use of Ploskirev's medium with rivanol in bacteriological diagnosis of dysentery V.D.Mel'nikov Lab.delo no 6:356-357 '64.

DYSTROPHY

Etiology, pathogenesis and clinical aspects of Dupuytren's contracture. P.D.Topalov Ortop., travm.i protez. 24 no.12:36-41 D '63.

Pathogenesis of myocardial dystrophy in chronic irritation of the gallbladder. K.I.TSintsadze and others. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:301-314 '63.

DYSTROPHY, MUSCULAR see Muscular Dystrophy

DZHALALABAD REGION—LEAF BEETLES

Two new species of leaf beetles (Coleoptera, Chrysomelidae). V.F.Palii. Sbor.ent.rab. no.2,33-37 '62.

DZHANDARI, LAKE—HYDROBIOLOGY

Hydrobiological regimen of Lake Dzhandari. V.G.Tkeshelashvili. Soob.AN Gruz SSR 31 no.3 675-682 S '63

DZHANYBEK REGION (WEST KAZAKHSTAN TERRITORY)—DESERT FLORA

Rhythm of the seasonal development of semidesert plants G.P.Belostokov Biul MOIP.Otd.biol 67 no.6;68-80 N-D '62

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—ALUMINUM ORES

Baykonur group of alumophosphate ore and phosphorite deposits in the Dzhezkazgan region Z D Popova, Sh U. Sarbasov Vest AN Kazakh.SSR 19 no 6 62-65 Je '63.

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—CALAMITES

Calamites. R.F Fatikov. Priroda 53 no.7:125 '64

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—MINING INDUSTRY—EQUIPMENT AND SUPPLIES

Potentials for improving the utilization of equipment in the Northern Dzhezkazgan mine Kh.N.Verkhoturov, A.F.Nadyrov, Z A.Filimonova Trudy Inst.ekon.AN Kazakh.SSR 9 59-97 '63.

DZHEZKAZGAN REGION (KARAGANDA PROVINCE)—PHOSPHATES

Baykonur group of alumophosphate ore and phosphorite deposits in the Dzhezkazgan region Z D Popova, Sh U Sarbasov Vest AN Kazakh SSR 19 no 6 62-65 Je '63

DZHEZKAZGAN REGION (KAZAKHSTAN)—BORING MACHINERY

Results of using boring rigs at the Dzhezkazgan Mine. E.V Sheremet'ev, A.T Uzianbaev. Trudy Inst.gor. dela AN Kazakh.SSR 13;124-126 '64.

DZHEZKAZGAN REGION (KAZAKHSTAN)—MINING ENGINEERING

Breaking off ore through small diameter blastholes in Dzhezkazgan with the use of self-propelled equipment. D.O Eshpanov, A.IA.Kulakov. Trudy Inst.gor. dela AN Kazakh.SSR 13:78-84 '64.

Breaking off ore with the use of self-propelled equipment at the Dzhezkazgan Mine. D O.Eshpanov and others. Trudy Inst.gor.dela AN Kazakh.SSR 13;73-77 '64

Variant method of mining thin seams in sections of the Dzhezkazgan Mine with the use of self-propelled equipment. A.IA.Kulakov, D.O Eshpanov. Trudy Inst. gor.dela AN Kazakh.SSR 13;152-155 '64

DZHEZKAZGAN REGION (KAZAKHSTAN)—MINING MACHINERY—ELECTRIC DRIVING

Investigating an underground bulldozer-loader at the Dzhezkazgan Mine. S.S.Muzgin and others Trudy Inst gor.dela AN Kazakh.SSR 13;98-114 '64.

DZHUSA VALLEY—PYRITES

Dzhusa pyrite deposit. A.P.Sidorenko. Mat.po geol.i pol.iskop.IUzh.Urala no.3;131-140 '62.

EAR

Possibility of the perception of ultrahigh-frequency sounds by the human ear B M.Sagalovich, K P Pokryvalova. Biofizika 9 no 1 138-141 '64.

EAR—INNERVATION

The theory of "erh chen liao." E.S.Vel'khover Vest AN Kazakh SSR 19 no.8,53-59 Ag '63

EARMARKS see subdivision under Avarskoye Koysu Valley

EARTH—FIGURE

Comments on I.F.Monin's article "Method for studying the figure of the earth without recourse to the normal field." N.K.Migal'. Izv.vys.ucheb.zav., geod.i aerof. no.6;141-144 '63.

Deformations of the earth and volcanism as related to polar migrations A V.Solntsev. Vest.AN Kazakh SSR 19 no 6:51-56 Je '63

Theory of the regularized geoid. I F.Monin. Izv.vys. ucheb.zav., geod.i aerof. no.6;91-94 '63

EARTH—ROTATION

Deformations of the earth and volcanism as related to polar migrations. A.V Solntsev. Vest AN Kazakh. SSR 19 no 6;51-56 Je '63

EARTH—SURFACE

Composition of the upper mantle from the viewpoint of petrochemistry. V.A.Kutolin. Dokl.AN SSSR 156 no.2;351-354 My '64.

EARTH CURRENTS

Methods for the statistical interpretation of telluric observations. K I.Nikitenko. Razved i prom.geofiz no.49;72-79 '63.

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE
(see also subdivision under Bibleybat Oil Field)

Heat balance of the globe. Priroda 53 no.7:68 '64.

Principal differences in thermal conditions of the earth's interior in the European part and adjacent areas of the Asiatic part of the U.S.S.R. G.P.Tamrazian. Dokl. AN SSSR 157 no.2;337-340 Jl '64.

EARTHMOVING MACHINERY—COLD WEATHER OPERATIONS

DFM-GPI-1 and DFM-GPI-2 machines for frozen ground. A.F.Nikolaev and others. Stroi.i dor.mash. 8 no.12;5-6 D '63.

Experimental study of the process of cutting frozen ground. A.A.Kislenko. Stroi.i dor.mash. 8 no.12:8-9 D '63.

New machine for working frozen ground by shearing. V.P.Balandin. Stroi.i dor.mash. 8 no.12:7-8 D '63.

EARTHQUAKES

Method of the summation of earthquakes for studying seismic activity. IU.V.Riznichenko. Izv.AN SSSR. Ser.geofiz. no.7;969-977 Jl '64.

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi nauchno-issledovatel'skii institut stroitel'nykh konstruktsii. [Earthquake-proof construction in the U.S.S.R.] Seismostoikoe stroitel'stvo v SSSR. Moskva, 1963. 13 p.

[MICROFILM]

Designing large panel buildings for earthquake conditions. A.G. Barala. Soob. AN Gruz, SSR 31 no 1:101-107 Jl '63.

EARTHS, MEDICAL AND SURGICAL USES OF see subdivision under North Kazakhstan Province

EARTHWORK

E-158A excavator for finishing earthwork and planning. A N. Voronin, S P. Doletskii. Stroi i dor mash. 8 no.12 1-2 D '63

Sedlukha, G. A., and O. M. Fridman. [Earthwork during the construction of city gas lines] Zemlianye raboty pri stroitel'stve gorodskikh gazoprovodov. Leningrad, Izd-vo "Nedra," 1964. 137 p. (Biblioteka mastera gazovogo khoziaistva)

What is preventing the adoption of hydromechanization. M.G. Pil'shchik. Transp.stroi. 13 no.12,69-70 D '63.

EARTHWORK—COLD WEATHER CONDITIONS

Preparing ground for trench digging in the winter. IU.Khesin. Stroi.truboprov. 8 no.11;33-34 N '63.

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—BEE CULTURE—EQUIPMENT AND SUPPLIES

Studying the various types of beehives in the mountain-forest zone of East Kazakhstan Province. G T Antropov Vest sel'khoz nauki [Kazakh] 7 no 6 111-114 Je '64

EAST KAZAKHSTAN PROVINCE—INSECTS, INJURIOUS AND BENEFICIAL

Materials on the entomofauna harmful to legumes, beets, and buckwheat in East Kazakhstan Province E A Mel'nikova, S. A Kharin Vest. sel'khoz. nauki [Kazakh.] 7 no. 6 24-28 Je '64

EAST KAZAKHSTAN PROVINCE—PARASITES—SWINE

Helminths of domestic and wild swine in East Kazakhstan Province V A Shol' Paraz sel'khoz zhiv Kazakh 3 143-146 '64.

EASTERN EUROPE see Europe, Eastern

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

Critical phenomena in bubbling and boiling processes. I.G. Malenkov. PMTF no.6;166-169 N-D '63.

ECOLOGY

Terminology and some concepts in ecology. I. D. Ivanenko. Uch zap. Tadzh. un. 17. Trudy Fak. est. nauk no 3 21-29 '58.

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Egypt

ECONOMIC COUNCILS see Administrative Economic Councils

ECONOMIC DEVELOPMENT see subdivision under Europe, Eastern

ECONOMIC HISTORY

Social conditions in the various parts of the world. Sots. obesp. 25 no. 5-60-63 My '64.

Trends and prospects of the capitalist economy, 1964 - 1970. A. Manukian. Mir. ekon. i mezhdunar otn. no. 7: 25-39 '64

ECONOMIC HISTORY—CONGRESSES

Problems of studying the structure of the national economy. A. Vladimirov. Mir. ekon. i mezhdunar otn. no. 7:134-137 '64

ECONOMICS

Concept of "economic cell" and its methodological significance for the economics of socialism. N. Khessin. Vop ekon. no. 7:117-128 Jl '64

Dvorkin, I. N. [Will technology save them? A criticism of "technological" theories in bourgeois economics] Spaset li ikh tekhnika? Kritika "tekhnologicheskikh" teorii v burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 13)

Economics of socialism and national economic problems. M. Atlas and others. Vop. ekon. no. 7:104-116 Jl '64.

For Marxian methodology in the history of Russian economic thought. D. P. Breusenko. Trudy MIIGAIK no. 52:5-41 '62.

large-scale building of communism, for correspondence and evening school students] Rasshirennoe sotsialisticheskoe vosproizvodstvo v period razvernutogo stroitel'stva kommunizma v SSSR, dlia studentov zaochnogo i vechernego obucheniia. [Moskva] Vysshaia shkola, 1964. 67 p.

Malyshev, I. S. [Economics and administrative practice] Ekonomicheskaia nauka i khoziaistvennaia praktika. Moskva, Ekonomika, 1964. 95 p. (Obsuzhdaem problemy sovershenstvovaniia planirovaniia, no. 5)

On the subject and method of the history of economic thought. D P Breusenko, V. V. Oreshkin, N. S. Shukhov Trudy MIIGAIK no 52 43-58 '62

Varga, E. S. [Essays on the economics of capitalism] Ocherki po problemam politekonomii kapitalizma. Moskva, Politizdat, 1964. 382 p.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—MATHEMATICAL MODELS

Veduta, N. I. [Economic efficiency of new techniques] Ekonomicheskaia effektivnost' novoi tekhniki. Minsk, Izd-vo "Nauka i tekhnika," 1964. 335 p.

ECONOMICS—METHODOLOGY

Analysis and its methods. A V Shchavelev. Nar. khoz. Kazakh. 22 no. 3:67-71 Mr '64.

ECONOMICS—STUDY AND TEACHING
(see also subdivision under Lugansk Province)

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of transportation, for schools of economics, clubs and seminars of the system of political education] Programma po ekonomike transporta, dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 31 p.

ECONOMICS—STUDY AND TEACHING—CONGRESSES

Research work and the teaching of economics in evening and correspondence schools of higher learning E. Borisov, G. Donskoi. Vop ekon no 7 156-160 Jl '64

ECONOMICS, MATHEMATICAL

Interuniversity conferences. A. A. Inozemtsev, IU. S. Terminasov, S. E. Livshits Vest. vys shkoly 22 no. 5:57-61 My '64.

Leningradskaia konferentsiia po voprosam primeneniia matematiki v sotsialisticheskoi ekonomike. 1st, 1961. [Mathematicoeconomic problems; transactions] Matematiko-ekonomicheskie problemy; trudy. [Leningrad] Izd-vo Leningr. univ., 1963. 88 p.

"Mathematics for modern management" [in English] by B.V. Dean, M.V. Sasieni, S.K. Gupta. Reviewed by I.V. Romanovskii. Zhur. vych. mat. i mat. fiz. 4 no. 2: 392 Mr-Ap '64.

Mathematics penetrates economic calculations. F. Basiuk, R. Kravchenko. Ekon. sel'khoz. 34 no. 12:116-120 D '63.

ECONOMICS, MATHEMATICAL—STUDY AND TEACHING

Course "Methods and models of mathematical economics" is needed. M. M. Fedorovich. Vest. vys. shkoly 22 no. 5:85-86 My '64.

ECTEOLA—CELLULOSE

Thin-layer chromatography method for separating nucleotides on ECTEOLA-cellulose. N. S. Panteleeva. Vest. LGU 19 no. 9:73-79 '64.

EDEMA

Focal skin edema in the area of the strangulation furrow. IU. M. Kitaev. Sud.-med ekspert. 7 no. 2:47-48 Ap-Je '64.

EDIBLE OILS AND FATS see Oils and fats, Edible

EDITING

Gilenson, P. G. [Method of technical editing] Metodika tekhnicheskogo redaktirovaniia. Moskva, Izd-vo "Kniga," 1964. 195 p.

EDUCATION
(see also subdivision under Communist Countries; Germany, West; Hungary; Moscow; Orichi District; Poland; Sweden; Tatar A. S. S. R.; Turkey)

Brief news. Nar. obr. no. 7:95-96 Jl '64.

For the new school year. V. Strezikozin and others. Nar. obr. no. 6:Supplement p. 16. Je '64.

Good initiative and useful deeds. Nar. obr. no. 6:15, 22-23 Je '64.

Good initiative and useful deeds. Nar. obr. no. 7:20 Jl '64.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—CONGRESSES

Narodnoe obrazovanie v Sovetskom Soiuze; k XXVI Mezhdunarodnoi konferentsii po narodnomu obrazovaniiu, Zheneva 1963. Public education in the Soviet Union; XXVI International Conference on Public Education, Geneva, 1963. Moskva, M-vo prosv. RSFSR, 1963. 93 p. [In Russian, English, French, and Spanish]

Good and useful publication. B Aleksandrov. Nar obr no. 7 99-102 Jl '64.

EDUCATION—PERIODICALS

Read it in the periodicals Nar. obr. no 6:122 Je '64

Read it in the periodicals. Nar obr no 7:119 Jl '64

EDUCATION, COMPULSORY

Let's improve our preparations for the beginning of the school year A Zaitsev Nar obr no. 6 12-16 Je '64

EDUCATION, COOPERATIVE see subdivision under Kirov Province

EDUCATION, ELEMENTARY
(see also subdivision under Irkutsk Province)

IAzykov, S. M., ed. [Stimulating the academic work of elementary school students] Aktivizatsiia uchebnoi deiatel'nosti uchashchikhsia nachal'noi shkoly. Moskva, Prosveshchenie, 1964. 103 p. (Pedagogicheskie chteniia)

Let's develop the mental and moral strength of a child S S Bilyi. Rad shk 43 no 5 72-76 My '64

Readers' conference of elementary school teachers T. V Rad shk 43 no 5 108-109 My '64

EDUCATION, HIGHER
(see also subdivision under Tomsk)

For the new upsurge in correspondence and evening education. P. I. Polukhin. Vest vys. shkoly 22 no 5, 3-6 My '64.

Let us overcome disunity first of all. P. N. Platonov. Vest vys shkoly 22 no 5 51-54 My '64.

EDUCATION, PRESCHOOL

Preparing children for instruction in the first grade. M M Verkhovynina Rad shk 13 no 5 79-82 My '64

EDUCATION, SECONDARY
(see also subdivision under United States)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii. [Raising the efficiency of teaching in secondary schools] Povyshenie effektivnosti obucheniia v srednei shkole. Pod red. T. V. Kudriavtseva. Moskva, Prosveshchenie, 1964. 124 p. (Pedagogicheskie chteniia)

D. I Mendeleev on secondary education. G. Shliachtenko. Nar obr no. 6 85-87 Je '64.

EDUCATION OF ADULTS see Adult education

EDUCATIONAL PSYCHOLOGY

Elementary education and the problems of didactics. L. Zankov. Nar obr no. 7:34-44 Jl '64.

EDUCATIONAL RESEARCH

New features in pedagogical sciences. I. Grigor'ev. Nar. obr. no 7:112-113 Jl '64

EFFECT OF TEMPERATURE ON ROCKS see Rocks, Effect of temperature on

EFFICIENCY, INDUSTRIAL

Socioeconomic problems in the socialist rationalization of production. A. Vinokur, R. V. Ryvkina. Nauch dokl. vys. shkoly, filos. nauki 7 no. 2:37-44 '64.

Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov. TSentral'nyi Sovet. [Collection of materials to aid the organizational units of the All-Union Society of Inventors and Rationalizers] Sbornik materialov v pomoshch' organizatsiiam VOIR. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1963. 187 p.

With the Snezhnoye efficiency experts. M. Savenko. Sov. shakht. 11 no. 12;11-12 D '62.

EGGS—INCUBATION

Theory and practice of waterfowl egg incubation. IU. N. Nikolaeva. Trudy Bel nauch.-issl. inst. zhiv. 3 175-183 '62

EGYPT—ECONOMIC ASSISTANCE, RUSSIAN

The United Arab Republic. S. German. Komm. Vooruzh. Sil 4 no. 13;85-88 Jl '64.

EGYPT—ECONOMIC CONDITIONS

The United Arab Republic. S. German. Komm. Vooruzh. Sil 4 no. 13;85-88 Jl '64.

The United Arab Republic enters a new stage. I. Beliaev, V. Cheprakov. Kommunist 41 no. 9:87-96 Je '64.

EIDEMAN, ROBERT PETROVICH, 1895-1937

Outstanding military commander of the Red Army. D. Pankov. Voen.-ist. zhur. 5 no. 7:49-61 Jl '63.

EIGENFUNCTIONS

Bilateral approximations of eigenfunctions of a problem related to a pair of quasi-differential operators with a parameter under boundary value conditions. IE. S. Buravs'kyi. Dop. AN URSR no. 6:726-728 '63.

EIGENVALUES

[illegible] for the eigenvalues of the Laplace [illegible] case [illegible] B V Fed[illegible] Izv AN [illegible] 2 337-[illegible] '64

[illegible] of the projection method in eigenvalue [illegible] V. A. [illegible] Dokl AN SSSR 156 no. [illegible] My '64

EIGENVECTORS

Approximate computation of eigenvectors B P. Pugachev. Zhur. vych mat i mat fiz 4 no 2 340-343 Mr-Ap '64

Convergence of the projection method in eigenvalue [illegible] V. A. [illegible] Dokl. AN SSSR 156 no. [illegible] '64

EISENHOWER, DWIGHT DAVID, 1890-

Dwight Eisenhower's memoirs Mir ekon i mezhdunar [illegible] no. 7 122-131 '64

ELASTIC PLATES AND SHELLS

Bending of circular plates with variable rigidity reinforced by a spiral spring and subjected to the action of a concentrated force on the center S A Grach Trudy LVMI 1 97-105 '62

Bending of circular plates with variable rigidity reinforced by a spiral spring and subjected to the action of a concentrated loading S A Grach Trudy LVMI 1 106-111 '62

Calculating shells with rotation of negative Gaussian curvature for axisymmetric heating. V.N.Pastushikhin. Stroi.mekh i rasch sooruzh 5 no.6-8-13 '63.

Composite bending of an orthotropic rectangular plate rigidly fastened along the contour. I I.Trianin Prykl. mekh. 10 no.2 124-130 '64.

Design of corrugated shells. V.I.Shalashilin. Izv.AN SSSR.Mekh.i mashinostr. no.3;132-137 My-Je '64.

Determining the concentration of stresses on the basis of applied theory O.K.Aksent'ia, L.I.Vorovich. Prikl mat i mekh 28 no 3 589-596 My-Je '64

Elastoplastic problem for a shallow spherical shell. I IU.Khoma. Prykl mekh. 10 no.2.205-215 '64.

Impact on an elliptic plate supported by a flexible foundation. A.E.Evdokimov. Izv.AN SSSR.Mekh i mashinostr. no.3;96-105 My-Je '64.

Linear theory of three-layer shells with a rigid filling E.I Grigoliuk, IU P Kiriukhin. Izv Sib otd AN SSSR no.3:12-24 '62.

Magnitude of critical force at axial compression of a cylindrical shell in linear formulation. V.I.Kozhevnikov. Izv.AN SSSR.Mekh.i mashinostr. no.3,137-141 My-Je '64

A problem concerning the bending of an elastic plate. I.A.Zonenashvili. Soob.AN Gruz.SSR 31 no.1:23-30 Jl '63.

Refining of the classical theory of bending of circular plates. A.V Kolos. Prikl.mat.i mekh. 28 no.3: 582-599 My-Je '64

Resonance due to the diffraction of a hydroacoustic wave on a system of cracks in an elastic plate. D. P. Kouzov. Prikl.mat i mekh. 28 no 3 409-417 My-Je '64.

Stability of a corrugated cylindrical shell loaded with external pressure. V.F.Chizhov. Izv. vys. ucheb. zav., mashinostr. no.3 35-46 '64

Stability of a cylindrical shell under a longitudinal impact. V.L.Agamirov, A.S.Vol'mir. Dokl. AN SSSR 157 no.2 307-308 Jl '64.

Stability of a plate subjected to small deformations in the general case of the nonlinear deformation theory. D.D. Ivlev, I.D.Lehenia. Prykl.mekh. 10 no.2 117-123 '64.

Stability of circular cylindrical shells under compression. S.N.Kan. Stroi.mekh.i rasch sooruzh. 5 no.6:31-34 '63.

Stressed state in the vicinity of a circular hole in a shell of revolution having a shallow arc. A.N.Guz', Izv.AN SSSR.Mekh.i mashinostr. no.3;142-144 My-Je '64.

Stresses in an infinite plate weakened by three circular holes. M.Z Narodetskii. Soob.AN Gruz.SSR 34 no.1:37-44 Ap '64.

Studying the carrying capacity of cylindrical shells and improving the methodology for their design. V.A. Freitag. Khim.mashinostr. no.1;20-28 Ja '63.

Taking into account bending moments in the calculation of spherical shells which are nonrectangular in design. V.D.Raizer. Stroi.mekh.i rasch.sooruzh. 5 no.6: 14-16 '63.

Two-dimensional temperature problem in the theory of elasticity for a semi-infinite plate with a thermal source moving along the edge. IA.S.Pidstryhach, IU.M. Koliano. Prykl.mekh. 10 no.2;181-189 '64.

Using the method of moire bands in investigating the bending of plates of variable rigidity. I.P.Sukharev Izv.vys.ucheb.zav., mashinostr. no.3,29-34 '64.

Vlasov, V.Z. [Selected works] Izbrannye trudy. Moskva, Izd-vo "Nauka,"

Vol.3. [Thin-walled three-dimensional systems] Tonkostennye prostranstvennye sistemy. 1964. 471 p.

Vsesoiuznaia Konferentsiia po teorii obolochek i plastin. 4th, Erivan, 1962. [Theory of shells and plates; transactions] Teoriia obolochek i plastin; trudy. Erevan, Izd-vo Akad.nauk Armianskoi SSR, 1964. 1015 p.

ELASTIC PLATES AND SHELLS—VIBRATION

Axisymmetric vibrations of a conic shell. V.H. Karnaukhov. Prykl.mekh. 10 no.2;131-142 '64.

Effect of the initial flexure on free vibration frequencies of a cylindrical shell. O.P.Protsenko. Prykl.mekh. 10 no.2:143-148 '64.

Natural vibrations of orthotropic shells under the action of a hydrostatic pressure and longitudinal forces. O.M.Ivanov. Prykl.mekh. 10 no.2;149-157 '64.

Vibration and stability of an elliptic shell. B.I.Slepov. Izv.AN SSSR.Mekh.i mashinostr. no.3;144-146 My-Je '64.

ELASTIC RODS AND WIRES

Approximate solution of some problems of the statics of elastic rods. N.G Bondar'. Stroi.mekh i rasch sooruzh. 5 no.6:17-22 '63

The form of a buckling rod losing its stability in the prestressing process. N.D Sergeev. Stroi.mekh.i rasch sooruzh. 5 no.6;42-43 '63.

Instantaneous rigidity of the section under elastoplastic deformations S.D.Leites. Stroi.mekh.i rasch. sooruzh 5 no.6:26-29 '63.

Nomograph for determining the free length of a centrally compressed rod with elastic supports. A.G.Dorfman. Stroi.mekh.i rasch.sooruzh 5 no.6;39-41 '63.

Stability of a compressed rod limited by a tightened wire. A.A.Svetov. Stroi mekh.i rasch.sooruzh. 5 no.6; 43-44 '63.

Stavraki, L.N., and I.A.Epanchintseva. [Simple theory for the calculation of rods under an extended load] Prosteishaia teoriia rascheta sterzhnei na prostranstvennuiu nagruzku;uchebnoe posobie dlia studentov. Kuibyshev, Kuibyshevskii inzhenerno-stroitel'nyi in-t im. A.I.Mikoiana, 1963. 54 p.

[MICROFILM]

ELASTIC WAVES

Relationship between the density of rocks and the propagation velocity of the elastic waves in them V.M Berezkin. Razved i prom geofiz no 49;86-87 '63

ELASTICITY

Axisymmetric problem in the nonlinear theory of elasticity for an incompressible medium A.M. Bogoroditskii. Prikl.mat.i mekh. 28 no.3;597-600 My-Je '64.

Blokh, V.I. [Theory of elasticity] Teoriia uprugosti. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 483 p.

Buckling of the surface layer of a circular cylinder under strong axisymmetric heating. S.IA.Bars'ka, I.N.Slezinger. Dop.AN URSR no.6;749-752 '63.

Elastic equilibrium of a circular ring under the action of two concentrated forces N.I.Korolev Vestsi AN BSSR.Ser fiz-tekh nav no.1;23-24 '64.

Fundamental equations in the theory of asymmetric elasticity. V.A.Pal'mov. Prikl.mat.i mekh. 28 no.3;401-408 My-Je '64.

Graphic solution of axisymmetric problems in the theory of elasticity. P.P.Tolchennikov. Izv.vys.ucheb.zav., mashinostr. no.3,22-28 '64.

Physical equations describing the state of metals in heredity theory. V.S.Baakashvili, A.A.Pozdeev, V.I. Tarnovskii. Soob.AN Gruz.SSR 33 no.1;19-25 Ja '64.

Propagation of compressive-shearing perturbations in a nonlinearly elastic medium. V.S.Antsiferov, Kh.A. Rakhmatulin. Prikl.mat.i mekh. 28 no.3;572-578 My-Je '64.

Remark on the regularization of a singular system in the isotropic theory of elasticity. V.G.Maz'ia, V.D. Sapozhnikova. Vest.LGU 19 no.7 165-167 '64.

Stresses and displacements in an elastic sheet weakened by a doubly periodic set of equal circular holes. L.A. Fil'shtinskii. Prikl.mat.i mekh. 28 no.3;430-441 My-Je '64.

ELASTICITY—BOUNDARY VALUE PROBLEMS

Variational principle in problems involving the flow of a thin layer of plastic material. I A Kiiko Dokl AN SSSR 157 no 3,551-553 Jl '64.

ELBOW—SURGERY

Case of partial wedge-shaped osteochondropathy of the humerus. G.E.Sokolovich. Ortop., travm.i protez. 24 no.12;67. D '63.

ELDELINE

Aconitine alkaloids. Part 20: Isoeldeline, its structure and transformations K Vizner, A D.Kuzovkov, T.F Platonova. Zhur.ob.khim. 34 no 5,1666-1668 My '64.

ELECTRIC APPARATUS AND APPLIANCES

Miaskovskii, I.G. [Electric equipment for building materials plants] Elektrooborudovanie zavodov stroitel'nykh materialov, Izd.2., perer. i dop. Moskva, Stroiizdat, 1964. 362 p.

ELECTRIC APPARATUS AND APPLIANCE—PATENTS

Discoveries and inventions. Prom.energ. 19 no.6; 42-43 Je '64.

ELECTRIC ARC

Determination of the critical parameters of an open a.c. arc using an energy balance technique. I.K.Fedchenko, O.S.Il'enko. Izv.vys.ucheb.zav., energ 7 no.5;20-28 My '64.

Some characteristics of the burning of an electric arc in a d-c plasmatron. V.IA.Smoliakov. PMTF no.6; 148-153 N-D '63.

Using an electric arc for the breaking of rock. I.M. Efremov. Trudy Inst.gor.dela AN Kazakh SSR 13; 62-68 '64.

ELECTRIC CABLES

Modern construction of flexible shielded cables. B.Sh. Rubinshtein, N.F.Tomilin. Nauch.trudy KNIUI no.11; 104-109 '62.

ELECTRIC CABLES—HANDBOOKS, MANUALS, ETC.

Karpov, F.F., and V.N. Kozlov. [Handbook on wire and cable calculations] Spravochnik po raschetu provodov i kabelei. Izd.2. Moskva, Izd-vo "Energiia," 1964. 222 p.

ELECTRIC CABLES—TESTING

New flexible shielded cables and their use in Karaganda mines. E.G.Kraus, V.S.Zubov, V.G.Sobolev. Nauch. trudy KNIUI no.11;110-124 '62.

ELECTRIC CHARGE AND DISTRIBUTION

Propagation of cylindrical space charge waves. T.I. Salakhov Radiotekh i elektron 9 no.5 880-880 My '64

ELECTRIC COILS

Design of optimal smoothing chokes E.I.Gol'dshtein. Izv.vys ucheb zav.; electromekh. 7 no.4 436-443 '64.

Solenoid in a uniform magnetic field. S.P Kapitsa Elektron bol'sh.moshch. no.2 100-118 '63.

ELECTRIC CONTROLLERS

Gage for measuring the temperature of a porous moving material. E.I.Fandeev, V E.Shukshunov. Izv.vys ucheb.zav.; elektromekh. 7 no 4;515-518 '64.

Pozdniakov, R.V. [Adjustment of relay-type controllers] Nastroika rele-reguliatorov. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 17 p. (Bibliotechka sel'skogo mekhanizatora)

[MICROFILM]

Precise synchronization unit using transistors. A.II. Florinskii. Izv.vys.ucheb.zav.; energ. 5 no.8;98-100 Ag '62.

ELECTRIC CRANES—MAINTENANCE AND REPAIR

Reconditioning worn-out ramps. L.A.Litvinov, G.A. Petrov. Mashinostroitel' no 5;14 My '64.

ELECTRIC CURRENT CONVERTERS

Determining the dynamic stability of a system with an inverter. R.S.Zainullina, V.M.Cheban. Izv.Sib.otd. AN SSSR no.6;17-27 '62.

Operating of a self-excited electronic inverter. A.E. Slukhotskii. Trudy NIITVCH no.1/2:61-79 '60.

Study of the grid circuit of a multistage frequency converter. M.M.Akodis, M V.Gol'man. Izv vys ucheb. zav., electromekh. 7 no 4;420-435 '64

ELECTRIC CURRENT CONVERTERS—MODELS

Mathematical model of an inverter unit V.IA.IAkubovskii. Izv vys.ucheb.zav.; elektromekh. 7 no 4 456-463 '64.

ELECTRIC CURRENT RECTIFIERS

Calculation of networks with mechanical rectifiers using a ladder network technique. N.P.Dovganovskii. Sbor. nauch.trud.RIIZIT no.36;3-9 '62.

Calculation of the operating modes of multiphase full-wave rectifier circuits. IU.V.Smirnov. Izv.vys. ucheb.zav.; energ. 7 no.5:29-37 My '64.

Rectifiers and rectifier systems with rating up to 25,000 ampers. Energetik 12 no.4:30-31 Ap '64

Silicon rectifiers for enterprises of the refractories industry. P.A.Sofronov and others. Ogneupory 29 no 5;201-206 '64.

Stabilized thyratron rectifier with a wide range of regulation. A.V.Bamuner. Trudy NIITVCH no.1/2:108-117 '60.

ELECTRIC CURRENT RECTIFIERS—MODELS

Modeling of single-phase bridge rectifiers with ideal valves using analog computers. S.D.Khlebnikov, A.S. Zaspykin. Izv vys.ucheb.zav.; electromekh. 7 no 4 444-445 '64.

ELECTRIC CURRENTS

Method for calculating the current density distribution from the cross section of two conductors allowing for their mutual influence. E.A.Meerovich, K.M.Chaliian. Dokl.AN Azerb.SSR 19 no.6;17-23 '63.

ELECTRIC CURRENTS, LEAKAGE

Vagrant currents at the "Volodarskii" salt mine. A.I. Borisov, S.I.Nosenko. Shakht.stroi. 8 no.4.13-14 Ap '64

ELECTRIC CUTTING MACHINERY

Machine for air-arc metal cutting. V.S.Kornienko, A.B. Vitlin. Vest.mashinostr. 44 no.2;31-34 F '64.

ELECTRIC DISCHARGE LIGHTING

Calculation of four-wire lighting networks with gas discharge lamps. G.V.Mirer, I.K.Tul'chin. Prom. energ. 19 no.6;30-32 Je '64.

Vector diagrams of a synchronous machine with nonsymmetrical stator winding in nonsymmetrical operation. V. M. Altab'ev. Elektrichestvo no 6:68-73 Je '64

ELECTRIC MEASUREMENTS

Methods for measuring the quality factor ratio (or resistance ratio) of inductance coils at sonic frequencies. I.S.I[illegible] Izm. tekh. no.5:34-33 My '64.

Rozhdestvenskaia, T. B. [Electric comparators for precise current, voltage, and power measurements] Elektricheskie komparatory dlia tochnykh izmerenii toka, napriazheniia i moshchnosti. Pod red. V. O. Arutiurova. Moskva, Izd-vo standartov, 1964. 185 p.

[illegible] precision of power measurements at high and sound frequencies. V. I. Pronenko, V. D. [illegible] Izm. tekh. no 4 31-32 Ap '64

ELECTRIC METAL CUTTING

Zulkov, B.V. [Ray, spark, explosion, tales about the new and the unusual in metalworking] Luch, iskra, vzryv obrabatyvaiut metall, rasskazy o novom i neobychnom v obrabotke metalla. [Tambov] Knizhnoe izd-vo, 1963. 70 p.

ELECTRIC METERS

New integrator for slowly varying d. c. signals. L.N. Tavdgiridze. Trudy Inst energ.AN Gruz.SSR 17: 135-152 '63.

ELECTRIC MOTORS

Calculation of the characteristics and start resistances of a series excitation motor in relative units. M. M. O[illegible]. Izv. vys ucheb zav., energ 7 no 5 45-50 My '64.

Determination of the direction of rotation of two-speed motors and proper marking of the leads in motors operating on two voltages. S. A. Mandrykin. Energetik 12 no 4 26-27 Ap '64

[Electric equipment for oil and gas fields] Elektrooborudovanie neftianykh i gazovykh promyslov. Moskva, Izd-vo "Nedra," 1964. 303 p. (Biblioteka energetika-neftianika)

ELECTRIC MOTORS, DIRECT CURRENT

Simplified network for controlling a counterconnecting stage of a reversive d. c. drive. L. I. Gandzha. Izv vys ucheb zav., elektromekh. 7 no.4 519 '64

Stabilization of the angular velocity of d. c. motors by connecting nonlinear resistances into the excitation circuit. O. P. Sidorov, N. S. Voronin. Izv. vys ucheb zav.; elektromekh 7 no 6:704-713 '64

ELECTRIC MOTORS, INDUCTION

Calculation of the steady operation of a system consisting of a synchronous generator-asynchronous motor using an analog computer. L. E. Sheinman. Elektrichestvo no.6:85-86 Je '64.

Changing the speeds of a hoisting machine with drive form an asynchronous motor in stepped-relay multiposition control. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11.224-231 '62.

Cylindrical electric motor with external runner. IU. M. Chepele. Prom. energ. 19 no 6 12-13 Je '64.

Effect of initial conditions on the nature of pulsed control of asynchronous short-circuited motors. V. A. Shubenko, IU. P. Agafonov. Izv vys ucheb zav., elektromekh. 7 no 4 479-490 '64

Fast-reaction system of stepped-relay control for mine hoisting machinery with asynchronous drive. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:213-221 '62.

Krasovskii, E. P., and A. G. Shapovalenko. [Automatic control of asynchronous motors] Avtomaticheskoe upravlenie asinkhronnymi dvigateliami. Kiev, "Tekhnika," 1964. 170 p. (Bibliotechka po avtomatike)

Methods for determining the thermal parameters and calculation of heat losses of asynchronous motors. O. A. Nekrasov, V. V. Shevchenko, G. G. Rukus. Izv. vys. ucheb. zav., energ. 7 no. 5 38-44 My '64.

New electric apparatus for the control of an asynchronous drive of hoisting equipment in mine construction. M. N. Vasilevskii, E. L. Kogan, M. I. Stolbun. Shakht stroi. 7 no. 11.13-16 N '63.

Operating temperature of an asynchronous motor with a double cage rotor in the drive of a multirope hoist. M.N. Vasilevskii, M.A. Chertkov. Izv. vys. ucheb. zav.; gor. zhur. 7 no.4:142-146 '64.

Shielded induction motor. N. P. Glukhanov. Trudy NIITVCH no. 1/2 35-54 '60.

Starting an asynchronous motor by acceleration and current. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:221-224 '62.

Starting and self-starting of the AF3-4500-1500 electric engine with a shortened rotor. A. N. Korniets. Gaz. prom. 8 no. 3:40-42 '63.

Studying the stepped-relay system of automatic control of a hoisting machine with an asynchronous drive by means of a phase plane. IU. S. Levidov. Nauch. trudy KNIUI no. 11:208-213 '62.

ELECTRIC MOTORS, SYNCHRONOUS

Comparison of group-type and individual excitation systems of synchronous motors. V. A. Troshin. Izv. vys. ucheb zav., electromekh. 7 no. 4:416-422 '64.

chronous motors. B. I. Kirkin, L. S. Lindorf. Elektrichestvo no 6:63-68 Je '64

ELECTRIC NETWORK ANALYZERS

Study of complex nonsymmetrical operating conditions of networks using a d. c. network analyzer and generalized parameters. L. M. Vainshtein, N. A. Mel'nikov. Elektrichestvo no. 6:13-20 Je '64

ELECTRIC NETWORKS

Active power, reactive power, and distortion power in electrical systems with periodic nanosecond processes. Z. Novomeiskii. Izv. vys ucheb. zav., elektromekh 7 no 6:657-664 '64.

Approximate equivalent transfer function of RLC and RC carrier frequency circuits. V. I. Hostev. Avtomatyka 9 no 3:58-60 '64.

Calculation of networks containing steel using a ladder circuit technique. N. P. Dovganovskii. Sbor. nauch. trud. RIIZHT no. 36:40-49 '62.

Calculation of networks with mechanical rectifiers using a ladder network technique. N. P. Dovganovskii. Sbor. nauch trud. RIIZHT no. 36:3-9 '62.

Criticism of classical methods in theoretical electrical engineering. N. N. Linnichenko. Izv. vys. ucheb. zav., energ. 5 no 8:105-108 Ag '62.

Local reflection coefficients of junctions with an arbitrary number of steps. L. R. IAvich. Radiotekh. i elektron 9 no 4 750-752 Ap '64

LT-series magnetic logic elements. Prom. energ. 19 no 6 48 Je '64.

Reciprocity of the single-phase equivalent of a three-phase symmetrical circuit. O. M. Miliakh, A. K. Shidlovs'kyi. Dop. AN URSR no. 6:765-768 '63.

Second All-Union Interuniversity Conference on the Theory and Methods for Calculating Nonlinear Electrical Circuits. L. L. Goryshnik, IU. A. Kravtsov. Radiotekh. i elektron 9 no 4 763-766 Ap '64.

Study of complex nonsymmetrical operating conditions of networks using a d. c. network analyzer and generalized parameters. L. M. Vainshtein, N. A. Mel'nikov. Elektrichestvo no 6:13-20 Je '64.

Theory and application of three-phase system components. A. B. Vitsonov. Elektrichestvo no 6:77-84 Je '64.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER

(see also subdivision under Irkutsk)

Active power, reactive power, and distortion power in electrical systems with periodic nanosecond processes. Z. Novomeiskii. Izv vys. ucheb. zav.; elektromekh. 7 no. 6:657-664 '64.

Standardization of the expenditure of electric power in tin plating. S. A. Sheidin. Prom. energ. 19 no. 6 2-6 Je '64

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no. 6 Je '64.

ELECTRIC POWER—FINANCE see subdivision under United States

ELECTRIC POWER DISTRIBUTION

Akademiia nauk URSR, Kiev. Institut elektrodinamiki. [Computer technology in the design and operation of electric power systems] Vychislitel'naia tekhnika v proektirovanii i ekspluatatsii energosistem. Kiev, Izd-vo "Naukova dumka," 1964. 126 p.

Alekseev, A. G. [Organization and economics of electrical equipment installation operations] Organizatsiia i ekonomika elektromontazhnogo proizvodstva. Moskva, Izd-vo "Energiia," 1964. 149 p.

Calculation of longitudinal differential protection systems with compensation for overhead power transmission lines. IU. I. Karinskii. Izv. vys. ucheb. zav.; energ. 5 no. 8:20-28 Ag '62.

Carrying capacity requirements of the resistances of magnetic-valve dischargers. E. S. Zelinskii. Izv. vys. ucheb. zav., energ. 7 no. 5:9-13 My '64.

Check of the selectivity of the operation of fuse protectors in complex closed-loop networks. B. M. Muzlanov, IU. A. Fokin. Elek. sta. 35 no. 4:59-61 Ap '64

Choice of optimum potential range at the terminals of an electromagnetic switch drive. F. I. Sin'chugov. Elek. sta. 35 no 4:62-65 Ap '64

Complex technological and economic decisions in the electric power supply of industrial enterprises. A. A. Ermilov. Prom. energ. 19 no. 6:26-30 Je '64.

Concerning V. I. Doroginin's article "Use of the generators of a hydroelectric power station as synchronous compensators." V. D. Urin, V. I. Sokolov. Elek. sta. 35 no. 4 84-88 Ap '64.

Determination of the optimum operation of power systems. V. M. Gornshtein. Elektrichestvo no. 6:86-91 Je '64

Distance-type protection in networks with longitudinal capacitive compensation. M. F. Mel'nikov, V. A. Semenov. Elek. sta. 35 no. 4:74-76 Ap '64.

Effect of the increase of thermal loads on the comparative effectiveness of composite and separate power supply systems. A. R. Monastyrskaia. Elek. sta. 35 no. 4:24-29 Ap '64

Electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. V. T. Vorob'ev. Izv. vys. ucheb. zav.; energ. 5 no. 8:116-117 Ag '62.

Elimination of nonsymmetry in a network with capacitive current compensation. D. I. Jozefavicius. Elek. sta. 35 no 4 81-82 Ap '64

Glushkov, G. N., V. A. Denisov, and M. I. Kraitsberg. [Electrical equipment and power supply in construction] Elektrooborudovanie i elektrosnabzhenie stroitel'stva. Moskva, Stroiizdat, 1964. 310 p.

Methods for calculating the static stability of complex electrical systems using equivalent regulatory effects of stations and loads. M. L. Levinshtein, O. V. Shcherbachev. Izv. vys. ucheb. zav., energ. 5 no. 8:11-19 Ag '62.

More about electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. S. M. Rozhavskii. Izv. vys. ucheb. zav., energ. 5 no. 8:117 Ag '62.

Operation of electrical systems with reclosing near the threshold of stable operation. I. V. Litkens, V. P. Vasin. Elektrichestvo no. 6:24-31 Je '64.

Practice of placing compensating systems in oil fields. IU. V. Bakhir. Prom. energ. 19 no. 6:11-15 Je '64

Principles of the design of longitudinal differential protection systems for tapped lines. V. L. Fabrikant, L. A. Orekhov. Elektrichestvo no. 6:7-13 Je '64

Regulations for operating electric power plants and networks (issue for the personnel of rural electric power systems) Energetik 12 no. 4 28-29 Ap '64

Required short-circuit to frame current in systems carrying voltages up to 1000 volts with grounded neutral lines. M. R. Naifel'd. Energetik 12 no 4 24-26 Ap '64.

Study of the stability of regulation of thermal electric power plant blocks in composite power systems. G. P. Kumsiashvili. Izv. AN Arm. SSR. Ser. tekh nauk 17 no. 2,21-28 '64.

Synchronization network with a matching autotransformer. A. S. Malyi. Energetik 12 no 4:14 Ap '64

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Menshchikov, I. I. [Electrical safety measures in the machinery industry] Elektrobezopasnost' v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 186 p.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Clarification of "Safety engineering regulations for operating electrical systems of industrial enterprises. Prom. energ. 19 no. 6:35-40 Je '64.

Regulations on overvoltage protection of electrical networks with 3 - 500 kv. ratings. Elek. sta. 35 no 4 92-96 Ap '64.

ELECTRIC POWER PLANTS

(see also subdivision under Georgia; Sweden)

Calculational and operational central heating coefficients for municipal heat and electric power plants. H. P. Taranov, E. A. Neduzhko. Elek. sta. 35 no. 4:29-31 Ap '64

Choice of optimum operating modes of an electric power plant with equipment set up for two pressures. I. IU. Galatskii. Elek. sta. 35 no. 4:7-9 Ap '64.

Consumption characteristics of a gas-turbine plant in electric power stations. M. M. Khazen. Trudy MIIT no. 179:86-91 '64.

In brief about new developments. Prom. energ. 19 no. 6: 40-41 Je '64.

Mechanization of work in fuel supply departments. I. A. Vertman. Elek. sta. 35 no 4,21-24 Ap '64

Regulations for operating electric power plants and networks (issue for the personnel of rural electric power systems). Energetik 12 no 4,28-29 Ap '64.

Significance of the boosting of the initial parameters of the steam in heat and electric power plants. M. M. Khazen. Trudy MIIT no. 170:120-136 '64.

Use of Kan-Achinsk Basin coal in thermal electric power plants. Teploenergetika 10 no. 10 95-96 O '63.

Work of the All-Union Heat Engineering Institute on the use of large block-type power systems. Teploenergetika 10 no. 10 93-95 O '63.

ELECTRIC POWER PLANTS—FUEL SYSTEMS

Catching of slivers in fuel supply ducts and coal dust preparatory systems. M. A. Moiseev. Elek. sta. 35 no. 4:77-78 Ap '64.

ELECTRIC POWER PLANTS—WATER SUPPLY

Causes of the flooding of the galleries of thermal electric power plants. B. L. Gorlovskii, L. M. Shekhtman. Elek. sta. 35 no. 4:36-40 Ap '64.

General study of the power efficiency of feed pump drives of large electric power plants. V. IA. Ryzhkin, E. P. Volkov. Teploenergetika 10 no 10:30-35 O '63.

Methods for determining the calendar cut-off lines in the passage of high water through power plant reservoirs. M. G. Dzhigauri. Soob. AN Gruz. SSR 31 no. 1:117-124 Jl '63.

ELECTRIC POWER PLANTS—WATER SUPPLY (Continued)

Removal of slag from slag and ash pulp in thermal electric power plants V.I. Meshkov Energetik 12 no 4 5 Ap '64

Water cycle norms of thermal electric power plants. V A Golubtsov, M A. Styrikovich, T Kh Margulova Teploenergetika 10 no. 10 79-81 O '63

Water supply norms of thermal electric power plants L A. Chernova, A. V Aseeva. Teploenergetika 10 no 10 81-82 O '63.

ELECTRIC POWER PRODUCTION—FINANCE

Serious errors in a work on the economics of electric power G Bakulev, G Levin Vop ekon no 7 138-142 Jl '64

ELECTRIC POWER SUPPLY TO APPARATUS

Elimets, I. D. [Electric power supply sources for communication apparatus] Istochniki elektropitaniia ustanovok sviazi. Leningrad, Leningr. elektrotekhn. in-t sviazi im. M. A. Bonch-Bruevicha.
    No. 2. [Use of storage batteries. Technical characteristics of charging and power supplying stations] Ekspluatatsiia akkumuliatorov. Tekhnicheskaia kharakteristika zariadnykh i elektropitaiushchikh stantsii; uchebnoe posobie. 1963. 49 p.

Use of mobile gas-turbine plants for the mechanization of track work in railroad transportation. S.N. Grigor'ev. Trudy MIIT no. 170;92-100 '64.

ELECTRIC PROSPECTING

(see also subdivision under Karaganda Basin; Pechora Basin; Turkmenistan; Ural Mountain region)

Calculation of the screening effect of two layers in the interpretation of logging resistance data V. P Zhuravlev, V. K. Popov. Razved. i prom. geofiz. no. 49; 101-117 '63.

Correlation of strata of high-resistance rocks in well sections. IU. M. Gurevich. Geofiz. razv. no. 15;144-151 '64.

Matveev, D. K. [Methods for the graphic plotting of the curves of electric sounding] Metodika graficheskogo postroeniia krivykh elektricheskikh zondirovanii. Moskva, Nedra, 1964. 70 p.

——— [Album of combined transferring sheets and monograms for plotting the curves of electric sounding] Al'bom svodnykh paletok i nomogramm dlia graficheskogo postroeniia krivykh elektricheskikh zondirovanii. 46 l.

Theory of induction logging in layers of limited thickness. A A. Kaufman, V. V. Sochel'nikov. Izv. AN SSSR. Ser. geofiz. no. 7;1007-1020 Jl '64.

Use of the method of induced polarization at the Uytas copper ore deposit. D. Al'mukhanbetov, N Kul'baev Vest. AN Kazakh SSR 19 no. 5;45-50 My '63

[Using the method of induced polarization in prospecting for ore deposits] Primenenie metoda vyzvannoi poliarizatsii pri poiskakh rudnykh mestorozhdenii. Moskva, Izd-vo "Nedra," 1964. 144 p.

Vsesoiuznaia mezhvuzovskaia nauchnaia konferentsiia po induktivnym metodam rudnoi geofiziki, Moscow, 1961. [Transactions of the All-Union Interuniversity Scientific Conference on Inductive Methods for Ore Geophysics] Trudy. Moskva, Izd-vo "Nedra," 1964. 233 p.

ELECTRIC PROTECTION

Calculation of longitudinal differential protection systems with compensation for overhead power transmission lines. IU. I. Karinskii. Izv. vys. ucheb. zav.; energ. 5 no. 8;20-28 Ag '62.

Carrying capacity requirements of the resistances of magnetic-valve dischargers. E. S. Zelinskii. Izv. vys. ucheb. zav.; energ. 7 no. 5,9-13 My '64.

Check of the selectivity of the operation of fuse protectors in complex closed-loop networks. B. M. Muzlanov, IU A. Fokin Elek. sta 35 no. 4,59-61 Ap '64.

Distance-type protection in networks with longitudinal capacitive compensation. M. F. Mel'nikov, V. A Semenov. Elek sta. 35 no. 4:74-76 Ap '64.

Experience in the use of open fuses. A. D. Bulitko, F. F. Deriugin. Elek. sta 35 no. 4.54-59 Ap '64.

Electrical strength of a spark gap with rotating arc of magnetic-valve dischargers. A. I. Bronfman, Elektrichestvo no. 6;40-43 Je '64.

Operation of electric systems with reclosing near the threshold of stable operation. I. V. Litkens, V. P. Vasin. Elektrichestvo no. 6;24-31 Je '64.

Operation of electrical systems with reclosing near the threshold of stable operation. I. V. Litkens, V. P. Vasin. Elektrichestvo no. 6;24-31 Je '64.

Principles of the design of longitudinal differential protection systems for tapped lines. V. L. Fabrikant, L. A. Orekhov. Elektrichestvo no. 6;7-13 Je '64.

Regulations on overvoltage protection of electrical networks with 3 - 500 kv. ratings. Elek. sta. 35 no. 4; 92-96 Ap '64.

ELECTRIC RAILROADS—CURRENT SUPPLY

Consideration of expeditures due to distance and dynamics of the growth of electric power consumption in economic calculations of traction current supply. D. I. Asatiani. Trudy Inst. energ. AN Gruz. SSR 17;229-238 '63.

Operation of current conductors with leakage and different parameters in different sectors. R R Ter-Oganesian. Trudy Inst. energ. AN Gruz. SSR 17: 201-218 '63.

Study of the carrying capacity of electric railroads taking into account traction current supply systems L G Abelishvili L T Trapaidze, I P Pichkhadze. Soob AN Gruz SSR 31 no 3 661-668 S '63

ELECTRIC RAILROADS—RAILS

Study of "distant ground" in a.c. track circuits. A Sh. Nozadze. Trudy Inst. energ. AN Gruz. SSR 17;285 '63.

ELECTRIC RAILROADS—SUBSTATIONS

Some characteristics of diesel traction G. F. Bolkhovitinov. Trudy MIIT no. 170,5-22 '64.

ELECTRIC RAILROADS—WIRES AND WIRING

Trubitsyn, I. M. [Ways for increasing the output and improving the quality of conical reinforced concrete contact network supports] Puti uvelicheniia vypuska i povysheniia kachestva zhelezobetonnykh konicheskikh opor kontaktnoi seti. Moskva, Orgtransstroi, 1963. 8 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

ELECTRIC RAILROADS—TRAFFIC

Study of the carrying capacity of electric railroads taking into account traction current supply systems L G Abelishvili, L T Trapaidze, I P Pichkhadze Soob AN Gruz SSR 31 no. 3 661-668 S '63

ELECTRIC RAILWAY MOTORS

Effect of the voltage level on the thermal conditions of traction motors. L. I. Mgaloblishvili. Trudy Inst. energ. AN Gruz. SSR 17;161-168 '63.

ELECTRIC RELAYS

Intermediate relays of explosion-proof magnetic starters. E. G. Kraus, B. Sh. Rubinshtein. Nauch. trudy KNIUI no. 11:124-129 '62.

LT-series magnetic logic elements. Prom. energ. 19 no. 6,48 Je '64.

Machine for winding transformers and relays. A K Mitrokhin, V. A Tkachenko. Energetik 12 no 4 18-19 Ap '64

Sparkproof electronic relay. A. E. Gul'ko, V. M. Chulin. Transp. i khran. nefti i nefteprod. no. 4.17-19 '64.

ELECTRIC RESISTANCE

Electric resistance of sulfur - phosphorus and sulfur - arsenic melts A I Soklakov, S V. Mel'nikova Zhur fiz. khim. 36 no. 6;1339-1341 Je '62.

ELECTRIC RESISTORS

Automatic switching-in of condenser discharge resistors. A. G. Komogortsev. Energetik 12 no. 4 16-17 Ap '64

Automatic switching-in of condenser discharge resistors I. Kh. Muratov. Energetik 12 no 4 15-16 Ap '64.

ELECTRIC SPARK—SAFETY MEASURES

Sparkproof electronic relay. A. E. Gul'ko, V. M. Chulin. Transp. i khran. nefti i nefteprod. no. 4'17-19 '64.

ELECTRIC STOVES see Stoves, Electric

ELECTRIC SUBSTATIONS

Interaction of a shorting device and a separator. V. S. Boning, V. D. Vasil'ev. Elek sta. 35 no 4:79-80 Ap '64.

ELECTRIC SUBSTATIONS—SAFETY MEASURES

Emergency drainage of transformer oil. A. L. Faerman. Prom. energ. 19 no. 6;45-46 Je '64.

ELECTRIC SWITCHGEAR

Characteristics of an air leakage process in the arc quencher of an air-filled switch. G. A. Kukekov. Elektrichestvo no. 6;31-35 Je '64.

Choice of optimum potential range at the terminals of an electromagnetic switch drive. F. I. Sin'chugov. Elek. sta. 35 no. 4;62-65 Ap '64.

Multichannel electronic switch. E. Dodonov. Radio no. 3: 50-51 Mr '64.

Two-channel electronic switch. L. Lomakin. Radio no. 3;52-53 Mr '64.

ELECTRIC SWITCHGEAR—COOLING

Improvement of the ventilation ducts of air switches. Elek. sta. 35 no. 4'89 Ap '64.

ELECTRIC SWITCHGEAR—MAINTENANCE AND REPAIR

Electrical equipment maintenance and servicing intervals and labor productivity. A. M. Valeev Elek. sta. 35 no. 4;66-67 Ap '64.

ELECTRIC SWITCHGEAR—TESTING

Check of the contactors of the MKP-160 oil-filled switch without opening the drum. P. I. Ivaniuzhenko, N A. Lavrikova. Energetik 12 no. 4;14-15 Ap '64.

ELECTRIC TRANSFORMERS

Design of an induction heating transformer. V. G. Tikhomirov. Trudy NIITVCH no. 4 131-136 '63.

Electrical design of an air-core transformer. D. G. Ratnikov. Trudy NIITVCH no. 1/2;55-60 '60

Electromagnetic process in transformers and autotransformers K K Balashov, G V Pullo Izv vys ucheb zav , electromekh 7 no 4 395-404 '64

Induction heating transformers V G. Tikhomirov. Trudy NIITVCH no. 1/2 178-187 '60

Machine for winding transformers and relays A K Mitrokhin, V A Tkachenko Energetik 12 no 4 18-19 Ap '64

Optimal design of transformers with field excitation control A Kh Tigranian Izv vys ucheb. zav., electromekh 7 no 4'423-427 '64

Synchronization network with a matching autotransformer A S Malyi Energetik 12 no 4 14 Ap '64

The PMR-2 device for automatic switching on of reserve power transformers. S M. Bereznia k Ugol' Ukr. 8 no. 5'43-44 My '64.

Transfer function of a three-phase current transformer with field excitation and inductive load. M G. Mnatsakanian. Izv AN Arm. SSR Ser. tekh. nauk 17 no. 2 11-20 '64

ELECTRIC TRANSFORMERS—HANDBOOKS, MANUALS, ETC.

Slavchenko, N. A. [Handbook on transformers for young workers] Spravochnik molodogo rabochego po transformatoram. Moskva, Vysshaia shkola, 1964. 230 p.

ELECTRIC WELDING

Application of electric slag welding at the Ural Machinery Plant. IU. I. Postovalov. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3:3-16 '64.

Connecting half-locks to drilling pipes by electric arc welding. F. P. Kirichek. Neft. khoz. 41 no. 7 66-68 Jl '63.

Electric resistance welding of 720, 144 and 159mm pipes. O. L. Mirovich. Stroi truboprov 8 no. 11;17-18 N '63.

Investigating the weldability of steel under a layer of fusible flux. A. M. Madianov, R. V. Chudner. Trudy GPI 19 no. 1'14-16 '63.

Kanter, G. G., and others. [Glued and welded joints in the manufacture of machinery] Kleesvarnye soedineniia v mashinostroenii. Kiev, "Tekhnika," 1964. 199 p

Mechanization of assembling and welding operations. V. IA. Subbota. Mashinostroenie no. 1;55-79 Ja-F '64.

New diagrams for the automatic control of electric arc and electric slag welding processes. V. V. Stepanov, G. F. Kriger. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3 21-34 '64.

New technological processes for manufacturing nipples. D. P. Zasypkin. Mashinostroenie no. 1:79 Ja-F '64.

Ogryzkov, R. S. [Ultrasonic testing of plug welded assemblies] Ul'trazvukovoi kontrol' svarnykh soedinenii na elektrozaklepkakh. Leningrad, 1964. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektrotekhnologicheskie protsessy i ustanovki, no. 3)

Production and test of steel aluminum joints with the use of bimetals. V. R. Riabov. Mashinostroenie no. 1;44-48 Ja-F '64.

PSK-1 sliding welding bracket. B. S. Avanov, A. I. Mokrov, IU. V. Merechenkov. Mash. i neft. obor. no. 1;41-43 '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Buttonless gun for welding pins Mashinostroitel' no 4' 41 Ap '64.

Electric slag-welding unit for reconditioning dies. IA. R. Bukhman. Mashinostroitel' no. 5;14 My '64

Taits, B. L. [Modern techniques and equipment for the arc welding of aluminum structures] Sovremennaia tekhnologiia i oborudovanie dlia dugovoi svarki alliuminievykh konstruktsii; stenogramma lektsii. Leningrad, 1964. 41 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Seriia: Svarka, rezka, paika metallov)

ELECTRIC WELDING—HANDBOOKS, MANUALS, ETC.

Folanov, A. A., and A. S. Rudakov. [Resistance welding; a handbook] Kontaktnaia svarka; spravochnik. Moskva, Izd-vo "Mashinostroenie," 1964. 111 p.

ELECTRIC WIRE—HANDBOOKS, MANUALS, ETC.

Karpov, F. F., and V. N. Kozlov. [Handbook on wire and cable calculations] Spravochnik po raschetu provodov i kabelei. Izd. 2. Moskva, Izd-vo "Energiia," 1964. 222 p.

ELECTRIC WIRING

Calculation of four-wire lighting networks with gas discharge lamps. G. V. Mirer, I. K. Tul'chin. Prom. energ. 19 no. 6;30-32 Je '64.

"Handbook on electric lighting networks" by L. A. Raitsel'skii. Reviewed by I. IA. Pikman. Prom. energ. 19 no. 6;46 Je '64.

ELECTRIC WIRING—EQUIPMENT AND SUPPLIES

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Metal sleeve and pipe connecting components in electric wiring; construction and sizes] Detali soedinitel'nye metallorukavov i trub v elektricheskikh provodakh; konstruktsiia i razmery (MN 4944-63 - MN 4946-63). Moskva, Izd-vo standartov, 1964. 14 p. (SSSR Normali mashinostroeniia)

ELECTRIC WIRING, INTERIOR

Kam[illegible], F. A. [Electric wiring of dwellings and how to take care of it] Kvartirnaia elektroprovodka i kak s [illegible] Izd 2, perer. i dop Moskva, Izd-vo "Energiia," 1964 142 p

ELECTRICITY—LABORATORY MANUALS

[Leningrad] Institut tochnoi mekhaniki i optiki. Kafedra fiziki [Handbook on laboratory work in physics, section "Electricity"] Rukovodstvo k laboratornym rabotam po fizike, razdel 1 Elektrichestvo Sost E. V Arsen'eva, I V Pavlova Leningrad, 1962 62 p

ELECTRICITY—PHYSIOLOGICAL EFFECT

Materials on electrophysical methods in mold control I. G. Aleksi-Meskhishvili Soob AN Gruz SSR 31 no 2,407-412 Ag '63

ELECTRICITY, INJURIES FROM

Condition of axon innervation mechanisms in experimental injuries from electricity. K. Abashidze Soob. AN Gruz SSR 31 no.1:[illegible]-232 Jl '63.

ELECTRICITY IN AGRICULTURE

(see also subdivision under Lithuania)

Electricity serving agriculture F T Komarov. Elektrichestvo no [illegible] Je '64

Ignatovskii, P.A. [Economics of electrification and comprehensive mechanization in animal husbandry] Ekonomika elektrifikatsii i kompleksnoi mekhanizatsii zhivotnovodstva Moskva, Izd-vo "Ekonomika," 1964. 117 p

ELECTRICITY IN MINING

(see also subdivision under Poland)

Effect of power supply systems of a section on the operation of self-propelled equipment IU F Georgiev, O A Sholts, F V IUpato. Trudy Inst gor dela AN Kazakh SSR 13 115-119 '64

Intermediate relays of explosion-proof magnetic starters. F.G. Kraus, B. Sh. Rubinshtein. Nauch. trudy KNIUI no. 11:124-129 '62.

The PMR-2 device for automatic switching on of reserve [illegible] S M Bereznitsk. Ugol' Ukr. 8 no 7 43-44 My '64

Some reasons for the corrosion of mine starters. E.G. Kraus, B. Sh. Rubinshtein. Nauch trudy KNIUI no. 11: 133-137 '62.

ELECTRICITY IN MINING—EQUIPMENT AND SUPPLIES

see subdivision under Karaganda Basin

ELECTRICITY IN MINING—SAFETY MEASURES

(see also subdivision under Karaganda Basin)

Arc suppression systems in mine control apparatus with up to 1,140 volts. V.I. Spiridonov. Ugol' Ukr. 8 no 5 27-28 My '64.

Modern construction of flexible shielded cables. B. Sh. Rubinshtein, N. F. Tomilin. Nauch. trudy KNIUI no. 11: 104-109 '62.

Operation of test samples of the PMVI-3 starter. E. G. Kraus, B. Sh. Rubinshtein, V. M. V'iunik. Nauch. trudy KNIUI no. 11.129-133 '62.

ELECTRICITY IN MINING—SAFETY REGULATIONS

Norms on insulation resistance in electrical systems in mines L. V. Gladilin, V. I. Shchutskii Prom. energ. 19 no. 6 7-10 Je '64

ELECTRIFICATION

(see also subdivision under Georgia)

Pavilion of the "Electrification of the U.S.S.R." at the Exhibition of the Achievements of the National Economy in 1964 V N Borovitskii Elek sta 35 no 4 91-92 Ap '64.

ELECTROCARDIOGRAPHY

Answer to N S Zhdanova's review published in "Azerbaidzhanskii meditsinskii zhurnal," no. 3, 1963. A Kh. Kuliev T. Kh. Azizbekova, S A Alizade. Azerb. med zhur 40 no. 10.66-71 O '63.

Changes in the electrocardiogram and ballistocardiogram in atherosclerosis. G.N. Chimakadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:125-129 '63.

Clinical electrocardiographic observations of children with rheumatic fever and disorders of the cardiac rhythm. T.I. Ternova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:477-479 '63.

Effect of necrotized tissue on the bioelectrical and mechanical activity of the trabecula A. P. Fedorova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:18-24 My-Je '63.

Electrocardiogram of the fetus in the process of parturition under normal conditions and in pathology. K. V Chachava, O. N. Budzhiashvili, P. I. Kintraia. Soob. AN Gruz. SSR 31 no. 2:481-488 Ag '63.

Electrocardiographic and electroencephalographic data in the case of angina pectoris. O. M. Bregadze. Soob. AN Gruz. SSR 31 no. 2:493 Ag '63.

Evolution of the reflex regulation of cardiac activity. E. A. Korneva. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:529-531 '63.

Spatial vector analysis of electrocardiogram. A. V. Gol'tsman. Biofizika 9 no 1:111-117 '64.

ELECTROCHEMISTRY

A bridge device for measuring the dielectric constant of solutions with ionic electric conductivity. E. G. Gotsiridze, M. A. Khvedelidze Biofizika 8 no 6 727-730 '63

Electrochemical and photoelectrochemical behavior of the silicon electrode in acid and alkaline solutions. S O. Izidinov, T I Borisova, V. I Veselovskii. Zhur fiz khim 36 no. 6:1246-1254 Je '62

Irreversible processes in electrochemistry. Part 5. A I Lopushanskaia, A. V. Pamfilov, I. A. TSisar' Zhur. fiz khim 38 no 3·650-657 Mr '64.

Limiting current in the case of deactivation of the electroactive substance by the product of electrochemical reaction. B I. Khaikin, L. G Feoktistov. Zhur. fiz. khim 38 no 3,547-550 Mr '64

Possibility of absolute measurements of the rates of electrochemical reactions. S. V. Gorbachev, A. P. Kravchinskii Zhur. fiz. khim. 38 no 3:789-793 Mr '64.

Study of solutions by high-frequency methods. Part 1. V. I. Ermakov, P A. Zagorets, N. I. Smirnov Zhur. fiz. khim. 36 no. 6:1180-1185 Je '62.

Ultrasonic testing plant for electrochemical studies. A. S. Karasik, V. V. Kuznetsov. Zhur. fiz. khim. 37 no. 4:930-932 Ap '63.

ELECTRODES

Decrease of hydrogen overvoltage on a mercury cathode caused by the possible dissolution of the platinum anode. A. I TSinman Zhur. fiz. khim. 36 no. 6:1388-1389 Je '62

Effect of electrical and structural inhomogeneities on the process of anodic dissolution of germanium. E. A. Efimov, I. G. Erusalimchik Zhur. fiz khim. 38 no 3: 589-592 Mr '64.

Electrochemical processes on an alternating polarizing electrode. Part 4. G. A. Begunov, S. V. Gorbachev. Zhur fiz. khim. 38 no. 3:785-788 Mr '64.

Ionization of oxygen at a three-phase boundary in alkaline solutions. IU. A. Mazitov, K. I. Rozental', V. I. Veselovskii. Zhur. fiz. khim. 38 no. 3:697-701 Mr '64.

Limiting current in the case of deactivation of the electroactive substance by the product of electrochemical reaction. B. I. Khaikin, L. G. Feoktistov. Zhur. fiz. khim. 38 no. 3:547-550 Mr '64.

New design of rotating disk electrodes. V. A. Beliaeva. Zhur fiz. khim. 36 no. 6:1385-1387 Je '62.

Polarization curves for electrodes partly immersed in an electrolyte solution. V. G. Levich, IU. A. Chizmadzhev, IU. G. Chirkov. Dokl. AN SSSR 157 no. 2:404-407 Jl '64.

Welding cast iron using TSCh-4 electrodes. V. A. Batmanov. Sbor. st NIITIAZHMASHa Uralmashzavoda no. 3 43-64 '64.

ELECTRODES, BISMUTH

Effect of the acidity of solution on the electrode processes on a bismuth amalgam electrode. V. V. Losev, V. V. Gorodetskii. Zhur. fiz. khim. 37 no. 4·842-849 Ap '63.

Hydrogen overvoltage on bismuth. U. V. Pal'm, V. E. Past. Zhur. fiz. khim. 38 no. 3:773-776 Mr '64.

Polarography of melts using a bismuth dropping electrode. I. I. Naryshkin, L. A Gavrilov. Zhur. prikl. khim. 37 no. 5:1130-1132 My '64.

ELECTRODES, GALLIUM

Effect of p^H and of the electrolyte concentration on hydrogen overvoltage at a gallium dropping electrode. K. Sabo, I. A. Bagotskaia. Dokl. AN SSSR 156 no. 2:420-423 My '64.

ELECTRODES, GERMANIUM

Reduction of the persulfate ion on a germanium cathode. E. A. Efimov, I. G. Erusalimchik, E. I. Gorgoraki. Zhur. fiz. khim. 38 no 3:720-723 Mr '64.

ELECTRODES, GLASS

Quantitative determination of sodium in soils and soil solutions with the help of a glass electrode. D. S. Orlov, N. N. TSikurina Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no. 2:57-62 Mr-Ap '62.

Some aspects of glass electrode theory. B. P. Nikol'skii, M. M. Shul'ts. Zhur. fiz. khim. 36 no. 6:1327-1330 Je '62.

ELECTRODES, LEAD

Causes of lead electrode polarization in alkaline solutions in the case of superimposed alternating current. V. N. Flerov, Viach. N. Flerov. Zhur. fiz. khim. 37 no. 4: 862-867 Ap '63.

ELECTRODES, MERCURY

Determination of the solubility and diffusion coefficient of nickel in mercury by method of amalgam polarography with storage. I. E. Krasnova, S. I. Zebreva, M. T. Kozlovskii. Dokl. AN SSSR 156 no. 2:415-417 My '64.

ELECTRODES, NICKEL

Conductivity of the electrolyte in porous nickel electrodes O. S. Ksenzhek, E A. Kalinovskii, E. L. Baskin. Zhur. prikl. khim. 37 no. 5:1045-1052 My '64.

Processes occurring in the boundary layer of the $NiSO_4$ solution with a nonpolarized nickel electrode and a nickel electrode subjected to cathodic polarization. J. Matulis, R. Slizys. Trudy AN Lit. SSR. Ser. B no. 1: 45-55 '64.

Rate of diffusion of protons in nickel oxides and the oxygen overvoltage on a nickel oxide electrode. P. D. Lukovtsev, G. IA. Slaidin'. Zhur. fiz. khim. 38 no 3: 566-581 Mr '64.

ELECTRODES, PLATINUM

Adsorption of hydrogen on a platinum cathode. O. P. Dezider'ev, S. I. Berezina, G. A. Gorbachuk. Zhur. fiz. khim. 37 no. 4:858-861 Ap '63.

Behavior of iodide and iodine on the platinum microelectrode. V. A. Zakharov, O A. Songina Zhur fiz. khim 36 no. 6:1226-1231 Je '62.

Kinetics of electrode processes in the system chloroplatinate ion - chloroplatinite ion. V I Kravtsov, B V Simakov Vest LGU 19 no. 10:90-100 '64.

ELECTRODES, SILICON

Electrochemical and photoelectrochemical behavior of the silicon electrode in acid and alkaline solutions S. O. Izidinov, T. I. Borisova, V. I. Veselovskii. Zhur fiz. khim. 36 no. 6:1246-1254 Je '62.

ELECTRODYNAMICS

Calculation of parameters and pondermotive forces of a system of turns inductively coupled with a sphere A. V Donskoi, A A. Fomin Izv vys. ucheb. zav., elektromekh 7 no. 4:511-514 '64.

ELECTROENCEPHALOGRAPHY

Bioelectric activity of the cerebral cortex in atherosclerosis. V. A. Akhobadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:93-96 '63.

Bioelectrical reactions in various parts of the rabbit visual system and their changes during barbiturate anesthesia. A. G. Kopylov. Nerv. sist. no. 3:43-50 '62.

Changes in the electrical activity in various sections of the cerebral cortex during the performance of muscular work M P. Ivanova Zhur. vys. nerv. deiat 13 no 6 972-976 N-D '63

Changes in the functional state of some sections of the central nervous system in anaphylactic shock in rats I S. Gushchin Pat. fiziol i eksp terap 7 no 6:10-16 N-D '63

Characteristics of electroencephalography in hemorrhages from arteriovenous aneurysms. A. N. Konovalov, A. N. Sokolova, T. O. Faller. Zhur. nevr. i psikh. 64 no. 5:[illegible]-660 '64.

Characteristics of the nervous system in newborn infants under normal and pathological conditions. L. O. [illegible] E. S. Stal'nenko. Zhur. nevr. i psikh. 63 no. 7:1013-1017 '63.

Clinical and electroencephalographic studies on aged patients with cyclic depression. F. A. Leibovich, N. G. Shumskii. Zhur. nevr. i psikh. 64 no. 5:746-754 '64

Cortical projection of different sections of the vagus nerves. S. M. Zaraiskaia. Dokl. AN SSSR 157 no. 2: 493-496 Jl '64.

Dynamic study of the clinical aspects and bioelectrical activity of the brain in acute and late periods of closed cranial trauma in children. S. A. Mel'nikov, M. A. Ronkin. Zhur. nevr. i psikh. 63 no. 7:979-985 '63.

Effect of a single acupuncture treatment on the bioelectrical activity of the brain in neurasthenia. E. S. Vel'khover. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:37-43 '64.

Electrical activity of the cerebral cortex after total removal of the cerebellum in cats Zhur. vys. nerv. deiat. 13 no 6.1060-1070 N-D '63

Electrocardiographic and electroencephalographic data in the case of angina pectoris. O. M. Bregadze. Soob. AN Gruz. SSR 31 no. 2:493 Ag '63.

Electroencephalogram of man in hunger and saturation S. A. Chkhenkeli Soob. AN Gruz. SSR 31 no. 3,699-706 S '63.

Electroencephalographic changes in Down's syndrome. A. M. Godinova. Zhur. nevr. i psikh. 63 no. 7:1058-1064 '63.

Electroencephalography in chronic brucellosis. S. D Tleulin, E. A. Khairushev. Vest. AN Kazakh. SSR 19 no. 6:57-61 Je '63.

Local changes in the human EEG in response to tactile stimulation in association with sound. S. N. Raeva. Zhur. vys. nerv. deiat. 13 no. 6:963-971 N-D '63.

Method for coding and processing data of clinical electroencephalography. A. Strakov, I. Mezan. Zhur. nevr. i psikh. 64 no. 5:680-686 '64.

Viscerosomatic signalization in reticular structures of the midbrain of a cat. V. IU. Ermolaeva, V. N. Chernigovskii. Dokl. AN SSSR 157 no. 2:489-492 Jl '64.

[illegible]

[illegible] forming [illegible] : verbatim report of a lecture] Osnastka dlia gidrovytiazhnoi [illegible] 1964. [illegible] p. [illegible])

ELECTROLYSIS

[illegible] binary [illegible] Je '62

Eidenzon, M.A. [Preparation of magnesium and chlorine by the electrolysis of fused magnesium chloride] Proizvodstvo magniia i khlora elektrolizom rasplavlennogo khloristogo magniia. Moskva, Izd-vo Metallurgiia, 1964. 124 p.

Electrolysis of selenium solutions in concentrated sulfuric acid. E.Pacauskas, J.Janickis, G.Buineviciene. Trudy AN Lit.SSR.Ser.B no.1:87-95 '64.

Fainshtein, S.IA. [Production of chlorine by the method of diaphragm electrolysis] Proizvodstvo khlora metodom diafragmennogo elektroliza. Moskva, Izd-vo "Khimiia," 1964. 255 p.

Kinetic method of determining concentration in reversible redox systems. O.B.Khachaturian. Zhur.fiz.khim. 38 no.3:728-732 Mr '64.

Preparation of films of the oxides of Th, U, Pu, and rare-earth elements by electrodeposition from organic solutions. B.A.Gvozdev, IU.T Chuburkov Radiokhimiia 5 no.6:712-715 '63.

Production of cesium hydroxide by electrolysis of cesium chloride in an electrolyzer with a horizontal filtering diaphragm. S.I.Skliarenko and others. Zhur.prikl.khim. 37 no.5:1036-1041 My '64.

Refractive index of electrolytes in the electrolysis of $CuSO_4$ and $ZnSO_4$ in the presence of some addition agents. E.I.Grabova. Zhur fiz.khim. 36 no.6:1241-1245 Je '62.

Theory of electrolysis in redox systems under conditions of simultaneous chemical and concentration polarization. Part 1. L.P.Kholpanov. Zhur.fiz.khim. 37 no 4:890-893 Ap '63.

ELECTROLYSIS IN MEDICINE

Preparation of microelectrodes from various metals with an apparatus for electrolytic sharpening of medical instruments. B.N.Orlov. Biul.eksp.biol.i med. 56 no.8:121-122 Ag '63.

ELECTROLYTE SOLUTIONS

Changes in volume and heat capacities in aqueous salt solutions. Part 3. IU.A.Epikhin, M.S.Stakhanova, M.Kh.Karapet'iants. Zhur.fiz.khim. 38 no.3:692-696 Mr '64.

Determining the solubility of fluorite in aqueous electrolyte solutions. I.N.Anikin, A.D.Shushkanov. Kristallografiia 8 no.1:128-130 Ja-F '63.

Polarographic determination of the equilibrium constant of proton exchange between alcohol molecules and water molecules. IA.I.Tur'ian. Zhur.fiz.khim. 36 no.6:1390-1391 Je '62.

ELECTROLYTE SOLUTIONS—THERMODYNAMICS

Some regularities in the thermodynamics of ternary aqueous salt solutions A.N.Kirgintsev. Dokl.AN SSSR 157 no.2 396-399 Jl '64.

Thermodynamics properties of nonaqueous electrolyte solutions. Part 14. N.A.Izmailov, V.S.Chernyi, L.L. Spivak. Zhur.fiz.khim. 37 no.4:822-828 Ap '63.

ELECTROLYTES

Effect of strong electrolytes on the rate of hydration of calcium oxide. S.I.Kontorovich, E.E.Segalova, P.A.Rebinder. Dokl.AN SSSR 157 no.2:400-403 Jl '64.

ELECTROLYTES—CONDUCTIVITY

Conductance of electrolyte solutions in glycol with admixtures. V.K.Semenchenko, B.Shukurov. Zhur.fiz.khim. 36 no.6:1186-1190 Je '62.

Conductance of some aqueous solutions. M.S.TSedrik, V.F.Malishevskii. Krist.zhid. no.2:62-65 '63.

Conductivity of the electrolyte in porous nickel electrodes. O.S.Ksenzhek, E.A.Kalinovskii, E.L.Baskin. Zhur prikl.khim. 37 no.5:1045-1052 My '64.

ELECTROLYTES—THERMODYNAMICS

Thermodynamic properties of electrolytes in nonaqueous solutions. Part 13. N.A.Izmailov, L.L.Spivak. Zhur.fiz.khim. 36 no.6:1158-1163 Je '62.

ELECTROLYTIC CORROSION

Apparatus for studying electrochemical and corrosion processes taking place on electrodes during polarization by pulsating or alternating currents with varying degrees of asymmetry. IU.N.Mikhailovskii. Zhur.fiz.khim. 37 no.4:937-939 Ap '63.

Installation of stations for the drainage protection of gas pipelines. E.A Nikitenko. Zashch.trub.ot kor. no.5:12-16 '62.

Protecting pipelines from trolley-car track stray currents. V.M.Levin, I.S Oganezova, M.V.Tarnizhevskii. Zashch trub.ot kor no.5:38-55 '62.

Some reasons for the corrosion of mine starters. E.G. Kraus, B.Sh.Rubinshtein. Nauch.trudy KNIUI no.11:133-137 '62.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC POLISHING

Dissolution potentials of aluminum in electrolytes for chemical polishing. V.A.Dmitriev. Zhur.fiz.khim 36 no.6:1375-1378 Je '62.

Mechanism of oxide film formation on the surface of electrolytically polished copper. IU.I.Sozin, G.A. Gorbachuk. Zhur.fiz.khim. 37 no.4:888-890 Ap '63.

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Characteristics of the microvariations of a natural electromagnetic field. N P Vladimirov S M Krylov Izv AN SSSR Ser geofiz no 6 872-882 Je '64

ELECTROMAGNETIC FIELDS—PHYSIOLOGICAL EFFECT

Role of electromagnetic fields in the processes of vital activity A S Presman. Biofizika 9 no 1 131-134 '64

ELECTROMAGNETIC PROSPECTING

(see also subdivision under Central Russian Depression)

Magnetotelluric profiling under conditions of horizontally nonuniform media B.E Briunelli. Izv AN SSSR.Ser.geofiz no 7:990-998 Jl '64

Parameters of the primary field of two compatible magnetic dipoles. L.P.Dikmarova Izv.AN SSSR.Ser. geofiz. no.7:1058-1060 Jl '64.

Use of absolute ellipses in the analysis of the variations of the natural electromagnetic field of the earth G.E Gugunava, G.A.Cherniavskii. Izv.AN SSSR.Ser. geofiz. no 7:1061-1066 Jl '64

ELECTROMAGNETIC WAVES

Convective and absolute instability. A M.Fedorchenko. Radiotekh.i elektron 9 no.4:754-756 Ap '64

Damping of weak waves in a radiating gas. V.A.Prokof'ev. PMTF no.6:42-49 N-D '63.

Electrodynamic theory of lattices Part 1: An ideal lattice in free space. L.A.Vainshtein. Elektron bol'sh. moshch no 2 46-56 '63.

Electrodynamic theory of lattices Part 2: Consideration of terminal conductivity L.A.Vainshtein. Elektron. bol'sh.moshch no.2 57-74 '63.

Excitation of an ideally conductive body of rotation with a sphere on its axis E.N Vasil'ev, A R.Seregina, V.G.Kamenev Radiotekh.i elektron. 9 no 4 581-589 Ap '64.

Frequency multiplication in nonlinear dispersion lines. S A.Akhmanov, V G Dmitriev, V P.Modenov Radiotekh i elektron. 9 no.5:814-821 My '64

Method for determining the reflection coefficient in the incidence of a H_{10} wave on a nonsymmetrical diaphragm in a rectangular waveguide. IU P Zabolotikov Radiotekh.i elektron. 9 no.4:634-642 Ap '64.

Passage of electromagnetic waves through bismuth. G.S.Abilov, V.V.Veselago, A.M.Prokhorov. Dokl. AN SSSR 156 no.2,298-299 My '64.

ELECTROMAGNETIC WAVES—DIFFRACTION

Diffraction of an electromagnetic wave on double semi-infinite nonsymmetrical arrays IA.N.Fel'd Radiotekh i elektron. 9 no 6:950-959 Je '64.

ELECTROMAGNETS

Calculation of the dynamic characteristics of electromagnets with rectified voltage feed. A.G Nikitenko, V.V.Ovsiannikov. Izv vys.ucheb.zav., elektromekh. 7 no.4:464-470 '64.

Electromagnetic devices for determining the coefficient of static friction. A.I.Kuprin, V.V.Smorodskii, IU.V. Glinianyi. Izv.vys.ucheb.zav., gor.zhur. 7 no.4: 138-141 '64.

Elements for the design of pulley-type electromagnetic separators K.I.Vashchenko, V.F.Sumtsov, S.F. Makarenko. Trudy LVMI 1:128-137 '62.

Grakov, V.I. [Dies with electromagnetic fastening on presses; design, electric circuits, preparation and operation] Shtampy s elektromagnitnym krepleniem na pressakh; konstruktsii, elektricheskie skhemy, izgotovlenie i ekspluatatsiia. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 183 p.

ELECTROMETALLURGY

Deposition deoxidation of carbon steel for shape casting. G.A.Chikalenko and others. Mashinostroenie no.1: 57-59 '64.

ELECTROMETER

Photocompensating electrometers. L.F.Kulikovskii, A.S.Grigor'ev, B.K.Grigorovskii. Izm.tekh. no.5: 31-33 My '64.

ELECTROMOTIVE FORCE

[illegible] dioxide [illegible] tekh. [illegible] ing [illegible] dye [illegible] Dokl. [illegible]

Thermodynamic properties of binary metallic systems studied by the electromotive force method. Part 9. A.A.Vecher, IA.I.Gerasimov. Zhur.fiz.khim. 37 no.4:739-745 Ap '63.

ELECTROMYOGRAPHY

Comparative studies on clinical and electromyographic indices in cervico-thoracic radiculitis and ganglionitis. N.A.Belaia, E.I.Sorokina. Zhur.nevr.i psikh. 64 no.5:690-693 '64.

Dynamics of facial nerve lesions in the early period following cerebrovascular disorders, clinical and electromyographic study. B.A Buletsa Zhur nevr i psikh 64 no.5 707-711 '64

Effect of temperature on the physical electrotonus of smooth muscle. M.F Shuba. Biofizika 8 no.6 699-706 '63.

Optimum and pessimum stimulation in tonic and nontonic myoneural apparatus of amphibia. N.F.Skorobovichuk. Vest.LGU 19 no.9.88-96 '64.

Photodynamic stimulation of frog skeletal muscle. M.K.Sazonenko. Biofizika 8 no.6:681-689 '63.

Relation between the resting potential of an isolated single muscle fiber and the osmotic pressure of medium G A Kurella, Lian Zy-Tiun' Biofizika 9 no 1 78-85 '64

Relation between the resting potential value and the filling of microelectrode N N Nikol'skii, S I Vasianin. Biofizika 9 no 1 73-77 '64.

Studies on the rate of spreading of neural excitation in some diseases of the nervous system. Z Kh.Manovich Zhur.nevr.i psikh. 64 no 5 718-722 '64

ELECTRON BEAMS

Convective and absolute instability. A M Fedorchenko Radiotekh.i elektron 9 no 4 754-756 Ap '64.

Injection of an electron beam into plasma in a strong magnetic field I.E.Sakharov, I F Liventseva Radiotekh i elektron 9 no 5 833-843 My '64

Method of the modulated electron beam and its use in the study of optical excitation functions I I Geitsi Vest LGU 19 no 10 47-55 '64

Scattering of electrons by a potential barrier L B Sapozhnikov, L E TSyrlin Radiotekh i elektron 9 no.6.1029-1033 Je '64

Thermal velocities effect of a hollow cylindrical electron beam. L E Bakhrakh, B K.Selimov Radiotekh i elektron. 9 no 5 893-894 My '64.

Use of the photon equilibrium spectrum in determining the excitation function of neutron production by means of high energy electrons V A Shkoda-Ul'ianov Nek probl sovr fiz.iadra i elem chast no 1:89-101 57

ELECTRON DIFFRACTION EXAMINATION

Disordered and superstructure phases in the system W - N. V.I.Khitrova. Kristallografiia 8 no.1:39-46 Ja-F '63.

Electron diffraction study of heterodiffusion in the system Ge - Si. B.IA.Pines, I.P.Grebennik. Kristallografiia. 8 no.1:16-20 Ja-F '63.

ELECTRON GAS

Diffusion theory of moving striae. I.V.Kamenev, V.A. Pogosian. PMTF no.6:134-137 N-D '63.

ELECTRON MICROSCOPY

Achorion schoenleinii under an electron microscope. A.IA Prakapchuk, A.H.Bandarovich, P.F.Smol'skii. Vestsi AN BSSR.Ser.biial.nav. no.3 98-101 '63.

Electron microscopic study of microgametes in Eimeria intestinalis (Sporozoa, Coccidiida). E.M.Kheisin. Zool.zhur. 43 no.5:647-651 '64.

Electron microscopy study of polishing powders. L.I. Sankova, R.V.Ivanova. Stek i ker 21 no.1:34-37 Ja '64

Use of electron microscopy in the study of soil suspensions and cultures of micro-organisms D.I.Nikitin Pochvovedenie no.6:86-91 Je '64.

Use of ferroglobulins in electron-optical immunomorphology IU P Gofman, S.M Klimenko. Vest AMN SSSR 18 no 11 61-65 '63

ELECTRON OPTICS

Calculation of the aberrations of cathode lenses. B.E. Bonshtedt. Radiotekh i elektron 9 no.5.841-850 My '64

Selecting a family of trajectories in solving an inverse problem in electron optics. E.P.Hrankin. Dop.AN URSR no.6:695-697 '63.

ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

ELECTRON TUBES—HANDBOOKS, MANUALS, ETC.

Hurliev, D.S. [Manual on electronic devices] Spravochnik po elektronnym priboram. Izd. 3., dop. Kiev, Tekhnika, 1964. 520 p.

ELECTRONIC ANALOG COMPUTERS

Determining the frequencies of natural vibrations by means of electronic models. A.F.Verlan'. Dop.AN URSR no.6:733-735 '63.

Prediction technique and its application using high-speed analog computers. F.B.Gul'ko and others. Avtom.i telem. 25 no.6:896-908 Je '64.

Pukhov, G.E. [Selected problems in the theory of computers] Izbrannye voprosy teorii matematicheskikh mashin. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 263 p.

Theoretic basis for calculating efficient depths of overdrilling of boreholes with the use of computing machines. G.K.Kotov. Izv.vys.ucheb.zav.i gor.zhur. 7 no.4: 100-105 '64.

ELECTRONIC APPARATUS AND APPLIANCES

[illegible] model of a game V A Garsen Nerv sist [illegible] -194 '62

[illegible] V. L. [Principles of the design and technology of the manufacture of electronic apparatus, a textbook] [illegible] tekhnologii izgotovleniia [illegible] apparatury, uchebnoe posobie. Pod red. V. V. [illegible] Moskva, Rosvuzizdat, 1962. 150 p. [MIKROFILM]

ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] Ref zhur : Elek i ee prim [illegible] 7 Jl '64

ELECTRONIC APPARATUS AND APPLIANCES—COOLING

[illegible] in the cooling systems of high-frequency [illegible] with electronic generators A S [illegible] Prom energ 19 no 6 13-14 Je '64

ELECTRONIC APPARATUS AND APPLIANCES—RELIABILITY

[illegible] capacity and search of faults in [illegible] connected systems F S Sogomonian. [illegible] 25 no 6 930-930 Je '64.

ELECTRONIC APPARATUS AND APPLIANCES—TESTING

[illegible] comparison of long-range [illegible] at Tashkent M Salov Izv AN [illegible] 157 Je '64

ELECTRONIC CIRCUITS

Analysis of the performance of converters with operation based on a spatial coding method without physical representation of the code M V Kadzharov Soob AN Gruz SSR 31 no 2:361-368 Ag '63

Dunaitsev, A F [Nanosecond multiple coincidence and anticoincidence circuits on tunnel diodes and transistors] Nanosekundnaia mnogokratnaia skhema sovpadenii i antisovpadenii na tunnel'nykh diodakh i tranzistorakh. Dubna, Ob''edinennyi in-t iadernykh issl , 1963 13 p.

Kaiumov, A. M. [Logic features of standard ferrite-transistor cells] Logicheskie vozmozhnosti tipovoi ferrit-tranzistornoi iacheiki. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia. Pribory i elementy avtomatiki, no. 5)

Stable circuits containing active quadrupoles A A Kuliasovskii Radiotekh i elektron 9 no 6 1067-1069 Je '64

ELECTRONIC COMPUTERS

Changing the flow sheet for rounding off during multiplication on the "Ural" electronic computer S. V. Konstantinov Sbor. trud Inst. gor dela AN URSR no 13 136-137 '63.

Deparallelization of calculational algorithms. G A Bekishev Vych sist no 5 22-30 '63

Electronic computers in the study of continuous models of control systems I. P Lukashevich. Biofizika 8 no. 6 715-721 '63

Extensive application of computer techniques in planning and directing construction Biul stroi tekh 21 no. 1 1-4 Ja '64

Liubchenko, G. G., and I. V. Sergienko. [Computers and programming] Matematicheskie mashiny i programmirovanie. [Kiev] Izd-vo Kievskogo univ., 1963. 219 p.

Questionnaire language and abstract synthesis of minimal sequence machines. A. A. Tal'. Avtom. i telem. 25 no. 6:946-962 Je '64.

Solution of probability calculation problems of single-cycle networks using an orthogonalization method IU. V Merekin Vych sist no. 5 10-21 '63

Using electronic computers in forestry research. F. P. Moiseenko, V. D. Areshchenko, N. T. Voinov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 164-168 '63.

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. : Avtom , telem. i vych. tekh. no. 7 Jl '64

[Journal of abstracts: Cybernetics] Ref. zhur. : Kib. no. 6 Je '64.

ELECTRONIC COMPUTERS—CIRCUITS

Reliability of multicycle networks with a small memory S V Makarov Vych. sist no. 5 3-8 '63

Simplest sequential elements (triggers) and realization of the memory portion of sequential functions using those elements. N. P. Vasil'eva, I. S. Gashkovets Avtom. i telem. 25 no. 6:1004-1014 Je '64.

ELECTRONIC CONTROL

Model of an optimalizing control system. P. I. Kharnash. Shkola i proizv. 6 no. 5 64-67 My '64.

ELECTRONIC DATA PROCESSING

Analysis of carrying out the plan for workshop expenditures with the aid of electronic computers V. Lukin. Plan. khoz 41 no 7:71-78 Jl '64.

Mathematics and computing equipment should be used in automotive transportation. Avt transp. 42 no. 6:4-6 Je '64.

Practical utilization of program evaluation and review techniques. V. V. Kleshchov. Avtomatyka 9 no. 3:61-66 '64.

Problems of the wide introduction of computers into the national economy V Glushkov, N Fedorenko. Vop ekon no 7 87-92 Jl '64

ELECTRONIC DATA PROCESSING—BUILDING

Solution of structural mechanics problems on the BESM-2M electronic digital computers. A. I. Vishniakov. Stroi mekh. i rasch sooruzh 5 no. 6 23-28 '63

ELECTRONIC DATA PROCESSING—COAL MINES AND MINING

Seminar on the use of electronic computers for establishing efficient parameters and conditions for the operation of coal mining machinery L. I. Baron. Ugol' 39 no 6:71-72 Je '64

ELECTRONIC DATA PROCESSING—ECONOMICS

Veduta, N. I. [Economic efficiency of new techniques] Ekonomicheskaia effektivnost' novoi tekhniki. Minsk, Izd-vo "Nauka i tekhnika," 1964. 335 p.

ELECTRONIC DATA PROCESSING—ELECTRIC LOCOMOTIVES

Completion of traction calculations for electric locomotives with an electronic computer P D. Ioffe. Trudy Proek , tekh i nauch -issl inst no 2 193-202 '63

ELECTRONIC DATA PROCESSING—ELECTRIC POWER PLANTS

Akademiia nauk URSR, Kiev. Institut elektrodinamiki. [Computer technology in the design and operation of electric power systems] Vychislitel'naia tekhnika v proektirovanii i ekspluatatsii energosistem. Kiev, Izd-vo "Naukova dumka," 1964. 126 p.

ELECTRONIC DATA PROCESSING—GAS DISTRIBUTION

Determining the optimal structure for the power balance using electronic computers. IU A. Kuznetsov Gaz prom 7 no 12:5-12 '62

ELECTRONIC DATA PROCESSING—GRAVITY PROSPECTING

Calculating the corrections for the relief of an area in a mountainous region using electronic computers. V. I. Aronov, I. I. Borodatyi, L. E. Fil'shtinskii. Geofiz. razv. no. 15 104-111 '64.

ELECTRONIC DATA PROCESSING—HISTORY

New computing techniques should serve historical science. V. A. Ustinov and others. Ist. SSSR 8 no. 1: 3-20 Ja-F '64.

ELECTRONIC DATA PROCESSING—MECHANISMS

Studying the crank-link gear mechanisms of intermittent motion by means of electronic calculating machines P. G. Kukharenko Nauch. zap. VLTI 29 no. 4 38-56 '63

ELECTRONIC DATA PROCESSING—METAL CUTTING

Results of the verification of new formulas for calculating speeds and forces of cutting using electronic computers L. K. Matiaeva Trudy Proek , tekh. i nauch. -issl inst. no. 2 153-164 '63

ELECTRONIC DATA PROCESSING—METALWORK

Numerical method for solving a system of two finite equations applied to the problems of technological design using an electronic computer V F. Korsakov, S. Kh Aranson, N. M. Burmistrova Trudy Proek., tekh. i nauch -issl. inst. no. 2 51-64 '63

ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION

(see also subdivision under United States)

Possibilities of using digital computers in field hydrodynamic investigations of reservoirs and wells. R. IU. IAgudin. Mash. i neft. obor. no. 1:29-31 '64.

System of automatic information gathering from various flow meters for recording the consumption of oil using impulse code converters. G. M. Sverdlov, B. M. Kovalenko. Mash. i neft. obor. no. 1:32-36 '64.

ELECTRONIC DATA PROCESSING—PLANNING

Optimal planning of the national economy with the aid of the unified state system of computing centers V Pugachev. Vop. ekon. no 7 93-103 Jl '64

ELECTRONIC DATA PROCESSING—RAILROADS

Oleshko, G. I., and B. Del Rio, eds. [Automation of the operation of hump yards (using electronic computers)] Avtomatizatsiia raboty sortirovochnykh stantsii (s primeneniem vychislitel'nykh mashin). Moskva, Transport, 1964. 175 p. (Kibernetika na transporte)

ELECTRONIC DATA PROCESSING—SHIPBUILDING

Calculating parameters of a ship hull using an electronic computer for building technological patterns without lofting S Kh Aranson, V. F. Korsakov, V V Avdeeva. Trudy Proek., tekh. i nauch. -issl. inst. no. 2:165-192 '63.

ELECTRONIC DATA PROCESSING—STRIP MINING

Method of determining the extent of open pit mining with the help of electronic calculating machines and a matrix digital model of the deposit. S. D. Korobov. Izv vys. ucheb. zav.: gor. zhur. 7 no. 4:43-49 '64.

ELECTRONIC DIGITAL COMPUTERS

Construction of Gray code counters. IU. S. Manukian and others Soob AN Gruz SSR 31 no 3 655-660 S '63

Kaiumov, A. M. [Logic features of standard ferrite-transistor cells] Logicheskie vozmozhnosti tipovoi ferrit-tranzistornoi iacheiki. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 5)

Kutukova, G. A., and L. K. Markov. [Use of electronic digital computers for the preparation of a plan for making up trains] Sostavlenie plana formirovaniia poezdov na elektronnykh tsifrovykh vychislitel'nykh mashinakh. Moskva, 1963. 12 p.

Malinovskii, B. N. [Digital control systems and the automation of production] TSifrovye upravliaiushchie mashiny i avtomatizatsiia proizvodstva. Moskva, Mashgiz, 1963. 287 p.
(CStmoR)

Use of digital computers in the production of soda V. I Hrubov Khim prom. [Ukr.] no 1.47-50 Ja-Mr '63

ELECTRONIC DIGITAL COMPUTERS—CIRCUITS

Ferrites come to the assistance. A. Piatibratov. Tekh i vooruzh. no. 6:34-39 Je '64.

ELECTRONIC INSTRUMENTS

Adjustable electronic current stabilizer. V. P. Pozdniakov. Izm. tekh. no. 5:41-43 My '64.

Microminiaturization is put in operation. O. Bantle. Av. i kosm. 46 no. 5;52-57 My '64.

ELECTRONIC MEASUREMENTS

Smirnov, A. D., ed. [Electronic devices for measuring nonelectrical quantities; contribution of radio amateurs to the national economy] Elektronnye pribory dlia izmereniia neelektricheskikh velichin; radioliubiteli - narodnomu khoziaistvu. Moskva, Izd-vo "Energiia," 1964. 85 p. (Massovaia radiobiblioteka, no. 520)

ELECTRONIC NOISE

Frequency dependence of ferrite noise in the microwave band I. A Deriugin, N. I Liashenko. Radiotekh. i elektron 9 no 6 1081-1082 Je '64

ELECTRONICS

Distribution of the periodic function of a random quantity. B. R. Levin, V. V Serov Radiotekh. i elektron 9 no. 6:1065-1067 Je '64

Studying the crank-link gear mechanisms of intermittent motion by means of electronic calculating machines P. G. Kukharenko. Nauch. zap. VLTI 29 no. 4:38-56 '63

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elek. i ee prim. no. 7 Jl '64.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS IN MILITARY ENGINEERING

Iznar, A. N., and B. F. Fedorov. [Optical quantum devices (lasers) and their use in military technology; according to materials of the foreign press] Opticheskie kvantovye pribory (lazery) i ikh primenenie v voennoi tekhnike; po materialam zarubezhnoi pechati. Moskva, "Sovetskoe radio," 1964. 173 p.

ELECTRONICS IN MINING

Electronic time relay on semiconductor instruments with delay for wearing-in and release. N. I. Karasev. Nauch. trudy KNIUI no. 11:240-242 '62.

ELECTRONOGRAPHY see Electron diffraction examination

ELECTRONS

Basic aspects of the theory of electronic tautomerism in the light of newest electronic concepts V. V. Razumovskii. Zhur. ob. khim. 34 no. 5.1603-1606 My '64.

Effect of isotope separation during electron transfer in liquid metals. D. K. Belashchenko, G. A. Grigor'ev. Zhur. fiz. khim. 37 no. 4:920 Ap '63.

ELECTRONS—CAPTURE

Nature of trapping centers in thermally treated silicon. K. D. Illynchuk, N. M. Lytovchenko. Ukr. fiz. zhur. 9 no. 2:220-230 F '64.

ELECTRONS—JUVENILE LITERATURE

Averbukh, Ovsii. [In the land of invisible beings] V kraiu nevydymok. Kyiv, Vyd-vo dytiachoi lit-ry "Veselka," 1964. 123 p.

ELECTRONS—*SCATTERING*

Special case of nearthreshold behavior of sections. T. V Zhikhareva. Vest. LGU 19 no. 10:125-126 '64.

ELECTROPHORESIS

Apparatus for the electrophoresis of tissue proteins in starch and agar blocks. I. M. Markelov. Lab. delo no. 6:372-374 '64.

Methodology of determining glycoproteins for clinical and diagnosis purposes. IU. A. IUrkov, E. G. Larskii. Lab. delo no. 6:330-333 '64.

Study of Brucella cultures isolated from hares by the method of immunoelectrophoresis in agar gel. N.G. Shin, I I, Bubrovskaia, M. M Rementsova Izv. AN Kazakh. SSR.Ser. med. nauk no 1,91-99 '64.

Study of the separation of strontium from the prevailing amounts of calcium by the method of continuous electrophoresis V. P. Shvedov, A V Stepanov, N. I. Gorskii. Radiokhimiia 5 no 6:690-694 '63.

ELECTROPHYSIOLOGY

Akademiia meditsinskikh nauk SSSR. Moscow. [Contemporary problems of electrophysiological studies of the nervous system] Sovremennye problemy elektrofiziologicheskikh issledovanii nervnoi sistemy. Moskva, Meditsina, 1964. 519 p.

Asymmetry in electrical reactions of the frog brain in response to differently located light sources. V. L Bianki Zhur vys nerv deiat 13 no 6 1087-1096 N-D '63

Change of electric activity in a single Ranvier's node of an isolated nerve fiber under the influence of novocaine. V. I. Beliaev. Biul. eksp. biol. i med. 56 no. 8:24-28 Ag '63.

Contemporary achievements in the electrophysiology of the nerve cell P. G Kostiuk. Zhur vys nerv deiat 13 no. 6:1018-1031 N-D '63

Current drift through plant tissue I Z Lazarev. Biofizika 9 no. 1:86-93 '64

Discretometry of human analysors. P. O. Makarov. Nerv sist. no 3:125-134 '62

Dynamics of the refractivity of a nerve and the neuromotor unit. N. E. Shvinka Nerv. sist. no 3:95-100 '62.

Electric phenomena in the spinal cord following the general inhibition caused by the stimulation of dorsal roots R P Kashakashvili Soob AN Gruz. SSR 31 no. 3 715-722 S '63

Electrical excitability of the muscles in cattle with alimentary osteodystrophies. A V Abros'kina Zap Vor sel'khoz inst 17 no 2:207-212 '62

Electrical responses and physiological lability of a nerve at the place of stimulation. M. I. Sologub Nerv. sist. no. 3;51-56 '62.

Mechanism of the development of "habituation" of response potentials in the visual system G G. Lezhava. Soob. AN Gruz SSR 31 no 3 707-714 S '63.

Modification of the level of critical depolarization and the action potential of electrotonus in a single Ranvier's node under the condition of the ionic effect of cadmium and nickel. B. I. Khodorov, V. I. Beliaev. Biofizika 8 no. 6:707-714 '63.

Nature of pessimum. N. A. IUdenich. Nerv. sist. no. 3: 57-61 '62.

Reflex regulation of "spontaneous" activity of tongue chemoreceptors. A. I. Esakov. Biul. eksp. biol. i med. 56 no. 8:7-11 Ag '63.

Relationship between the structure of derivatives of imidazoledicarboxylic diamides and their effect on different segments of the central nervous system. I S. Borodkin Vest AMN SSSR 18 no 8:47-54 '63.

Review of Mary A. B. Brazier's book "A history of the electrical activity of the brain" [in English]. IU. A. Shilinis, R. S. Rabinovich Zhur. vys. nerv. deiat. 13 no 6 1116-1118 N-D '63.

Significance of rapid fluctuations of the potential in the mechanism of closing the temporary connection. R. S. Mnukhina. Nerv. sist. no. 3:119-124 '62.

Standards for the latent phase of tendon reflexes in healthy children from various age groups; electrophysiological data. R. I. Test. Zhur. nevr. i psikh. 63 no. 7:1018-1021 '63.

Study of the formation of protein complexes with other nonprotein components L A. Lapaeva Biofizika 9 no 1:56-63 '64.

The theory of "erh chen liao." E. S. Vel'khover. Vest. AN Kazakh SSR 19 no 8:53-59 Ag '63.

Use of electrophysiological methods in the differential diagnosis of progressive muscular atrophies in children. A. I. Lepukal'n. Zhur. nevr. i psikh. 63 no. 7:967-973 '63.

ELECTROPHYSIOLOGY—EQUIPMENT AND SUPPLIES

Preparation of microelectrodes from various metals with an apparatus for electrolytic sharpening of medical instruments. B. N. Orlov. Biul. eksp. biol. i med. 56 no. 8:121-122 Ag '63.

ELECTROPHYSIOLOGY OF PLANTS

Bioelectric potentials of a plant cell. A. M. Siniukhin. Izv. TSKHA no. 5:20-36 '63.

ELECTROPLATING

Internal stresses of electrolytic deposits of lead dioxide obtained from alkaline plumbite electrolytes. N. G. Bakhchisaraits'ian, E. A. Dzhafarov. Dokl. AN Azerb. SSR 19 no. 6:31-34 '63.

ELECTRORETINOGRAPHY

Amplitude-phase frequency analysis of retina biopotentials during sinusoidal light stimulation G. V. Voronin, Sh. Toth, E. N. Sokolov Biofizika 9 no. 1:94-103 '64

ELECTROSTATIC SEPARATORS

Mechanism of dielectric separation in a condenser field with a liquid dielectric. G. S. Berger, I. N. Levin. Izv. AN SSSR. Met. i gor. delo no. 3:189-191 My-Je '64.

ELECTROSTATICS

Investigating the process of electrization in a fiber during spreading. V. N Shikhov, L. P. Nikulina. Kauch i rez 23 no. 4:42-45 Ap '64.

ELECTROSURGERY

Electrosurgical resection of the stomach O I Biber Trudy Inst klin i eksp. khir AN Kazakh. SSR 8 47-50 '62.

ELEMENTARY EDUCATION see Education, Elementary

ELEPHANTIASIS—MICROBIOLOGY

Treatment of elephantiasis in wuchereriasis G A Orlov Vest. khir 91 no 10 121-122 O '63

ELINVAR—MAGNETIC PROPERTIES

Temperature relationship of magnetostriction and the coefficient of linear expansion of elinvar. A. IA. Vlasov, B. A. Aiurzanian. Izv. Sib. otd. AN SSSR no. 6:99-102 '62.

ELINVAR—THERMAL PROPERTIES

Temperature relationship of magnetostriction and the coefficient of linear expansion of elinvar. A IA. Vlasov, B. A. Aiurzanian. Izv. Sib. otd AN SSSR no. 6:99-102 '62.

ELLIPSE

Use of absolute ellipses in the analysis of the variations of the natural electromagnetic field of the earth G. E. Gugunava, G. A. Cherniavskii Izv. AN SSSR. Ser. geofiz. no. 7:1061-1066 Jl '64.

ELM—DISEASES AND PESTS

Biology of longicorn beetles (Coleoptera, Cerambycidae), pests of Ulmaceae, A D Maslov Zool. zhur. 43 no 1 43-53 '64.

EMBEZZLEMENT see subdivision under Golyshmanovo District

EMBRYOLOGY

The 24-hour rhythm of mitoses in various organs of embryos of white mice and rats. N. V. Krasil'nikova. Biul. eksp. biol. i med. 56 no. 8:93-97 Ag '63.

EMBRYOLOGY—AMPHIBIA

Quantitative study of frog oocytes with regard to some morphological and cytochemical problems [with summary in English]. P. V. Makarov. Arkh. anat., gist. i embr. 44 no. 6:21-29 Je '63.

EMBRYOLOGY—FISHES

Effect of salinity on the development of the spawn and larvae of carp in the Tiligul'skiy Liman. N. P. Honcharova. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:141-146 '60.

EMBRYOLOGY—INSECTS

Methods of staining the embryos of the green oak leaf roller Tortrix viridana L. N. N. Rubtsova. Zool. zhur. 42 no. 12:1860-1861 '63.

EMBRYOLOGY, HUMAN

Some histochemical changes in the epithelium of the cornea and conjunctiva of the human eye during embryogenesis [with summary in English]. V. A. Vasil'eva. Arkh. anat., gist. i embr. 44 no. 6:62-66 Je '63.

EMOTIONAL PROBLEMS OF CHILDREN

Some emotional characteristics of children with cerebral palsy. E. I. Kirichenko. Zhur. nevr. i psikh. 63 no. 7 1072-1077 '63.

EMPLOYERS' LIABILITY

Liability for injuries to the health of workers and employees in Soviet law. R. Z. Livshits. Sov. gos. i pravo 34 no. 5:103-110 My '64.

EMULSIONS

(see also subdivision under Shkapovo Oil Field)

Breaking petroleum trap emulsions by separation. A. S. Moskvitin, IA. P. Gol'denbaum. Khim. i tekh. topl. i masel 9 no. 6:39-40 Je '64.

Demulsifying oils using ultrasonics. E. I. Skripnik and others. Neft. khoz. 41 no. 7:51-56 Jl '63.

Experimental investigation of the physical properties of emulsion oils. S. A. Abdurashitov, V. G. Avanesian. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:77-80 '64.

Process of air bubbling through mineral oil emulsion V. G. Gleim, S. G. Tereshchenko, T. A. Aleksandrova. Zhur. prikl. khim. 37 no. 5:1014-1020 My '64.

Search for new emulsifiers for the preparation of emulsions. O. A. Ogorodnova, F. E. Rozentsveig. Apt. delo 12 no. 2:70-73 Mr-Ap '63.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENAMEL AND ENAMELING

Feasibility of enameling cast iron after its heat treatment in protective atmospheres. E. B. Revvo. Mashinostroenie no. 1:37-38 Ja-F '64.

[illegible] muzei. [Catalog [illegible] Tec- [illegible]] [illegible] izde- [illegible]

ENCEPHALITIS

(see also subdivision under Tomsk Province)

Comparative characteristics of methods of antigen preparation for allergic diagnosis of tick-borne encephalitis A. A. Stetkevich Trudy TomNIIVS 14:29-34 '63

Complement fixation reaction with blood serums of farm animals as a method of detecting microfoci of tick-borne encephalitis V. S Erofeev, L I Zhukova Trudy TomNIIVS 14:20-21 '63

Development of an expedient system of immunizing animals producing serum against tick-borne encephalitis. Report No 1: Importance of the fractional method of administering the brain antigen in the increase of virus neutralizing antibodies in refractory horses IU. V. Fedorov. Trudy TomNIIVS 14:232-234 '63

Development of an expedient scheme of immunizing animals producing serum against tick-borne encephalitis. Report No. 2: Effectiveness of the utilization of horses in relation to age, sex and breed IU V. Fedorov Trudy TomNIIVS 14:235-237 '63.

Fractional composition of antiencephalitic horse serum M. N Nemirovich-Danchenko, A I Murzina Trudy TomNIIVS 14:242-244 '63

Further observations of the purification and concentration of antiencephalitic serum by the "Diaferm 3" method S P. Karpov and others Trudy TomNIIVS 14:227-231 '63

Immunobiological reactivity of the organism in tick-borne encephalitis A A. Stetkevich. Trudy TomNIIVS 14: 213-218 '63.

Importance of the embryonic antigen in allergic diagnosis of tick-borne encephalitis. A. A. Stetkevich, V. F. Terent'ev. Trudy TomNIIVS 14:24-28 '63

In battles with the invisible. A Lozhechko. Sov. voin 46 no. 11:32 Je '64.

Production of a dry inactivated brain antigen of tick-borne encephalitis for complement fixation reaction. IU. V. Fedorov, L. A. Burenkova, R A Vidilina Trudy TomNIIVS 14:247-250 '63.

Purification and concentration of antiencephalitic serum by the "Diaferm 3" method. S M Preger Trudy TomNIIVS 14:224-226 '63.

Serum diagnosis and therapy for the acute period of tick-borne encephalitis. A M. TSelishchev, F. S Belova. Trudy TomNIIVS 14:35-41 '63

ENCEPHALITIS—CONGRESSES

Joint Seventh Scientific Session of the Institute of Poliomyelitis and Virus Encephalitis of the Academy of Medical Sciences of the U.S.S.R. and the White Russian Institute of Epidemiology, Microbiology and Hygiene, dedicated to the study of tick encephalitis and other arbor virus infections. E. N Levkovich. Vest. AMN SSSR 19 no 1:89-90 '64.

ENCEPHALITIS—PREVENTION see subdivision under Tomsk Province

ENCEPHALITIS—PREVENTIVE INOCULATION

Antigenic and immunogenic activity of attenuated strains of tick-borne encephalitis viruses M. K. Tiushniakova Trudy TomNIIVS 14:238-241 '63.

ENCEPHALITIS VIRUSES

(see also subdivision under Tomsk Province)

Effect of the duration of storage on the virus-neutralizing activity of gamma globulin in tick-borne encephalitis. V. G. Mekhantkova and others Trudy TomNIIVS 14:245-246 '63.

Study of antigens from attenuated strains of the virus of tick-borne encephalitis in complement fixation reaction. M. K. Tiushniakova. Trudy TomNIIVS 14:251-253 '63.

ENCEPHALOMYELITIS

Bio- and histochemical study of nerve fiber proteins (neuraxial) in experimental allergic demyelinating encephalomyelitis. Gr Benetato and others Pat fiziol. i eksp. terap 7 no. 6.3-10 N-D '63.

Experimental allergic encephalomyelitis. Morphology of the central nervous and thymicolymphatic systems. L. I. Ravkina. Vest. AMN SSSR 18 no. 11.57-60 '63

ENCYCLOPEDIAS AND DICTIONARIES, RUSSIAN

New documents on a great crystallographer; Academician E S Fedorov and Granat's "Encyclopedical dictionary." A. IA. Cherniak. Priroda 53 no 7.103-104 '64.

ENDOCARDITIS

Diagnostic significance of protein sedimentation reactions of the blood in rheumatic fever and chronic septic endocarditis. I D. Mikhalev. Lab. delo no. 6 333-336 '64.

ENDOCRINE GLANDS

Geller, L. I. [Physiology and pathology of the spleen; the role of the spleen in the blood system, its correlation with the liver and some endocrine glands] Fiziologiia i patologiia selezenki, rol' selezenki v sisteme krovi, korreliatsii ee s pechen'iu i nekotorymi zhelezami vnutrennei sekretsii. Moskva, Meditsina, 1964. 160 p.
(DNLM)

ENDOCRINOLOGY

[illegible] 1962. [Materials of the Third Conference on Problems of Regeneration and Cell [illegible]] Materialy. Moskva, Akad. med. [illegible] p.

[DNLM MICROFILM]

ENERGY METABOLISM

[illegible] different [illegible] level [illegible] 277 [illegible]

[illegible] 124 127 [illegible]

[illegible] of human muscular work capacity by the method of creation of a weak excitation focus. I P Pavlova [illegible] no 2:[illegible]

ENGELS, FRIEDRICH, 1820-1895

[illegible] socialism, [illegible]

Marx, Karl, and Friedrich Engels. [Works] Sochinenila. Izd 2 Moskva, Politizdat.
Vol. 26. Pt. 3. 1964. 674 p.

ENGINEERING GEOLOGY

(see also subdivision under Apsheron Peninsula, Donets Basin)

Moscow Gosudarstvennyi institut po proektirovaniiu lesnogo transporta. [Manual on engineering geological operations in explorations for lumber industry enterprises] Nastavlenie po inzhenerno-geologicheskim rabotam pri izyskaniiakh predpriiatii lesnoi promyshlennosti Leningrad, 1962 190 p

[MICROFILM]

ENGINEERING MODELS

Similarity of internal combustion engines. M G Makhaniko Trudy MITT no 179 42-79 '64

ENGINEERING STANDARDS see Standards, Engineering

ENGINES

Efficient use of fuels and lubricants is the most important condition for prolonging the life of engines K K Papok Khim. i tekh topl i masel 9 no 6,1-5 Je '64.

ENGLAND see Great Britain

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Fal'kovich, M. M. [The most frequently used words in English, for language institutes. Textbook for students enrolled in courses 1-5 of institutes and schools of foreign languages] Leksicheskii minimum po angliiskomu iazyku, dlia iazykovykh vuzov. Uchebnoe posobie dlia studentov I-V kursov institutov i fakul'tetov inostrannykh iazykov. Izd. 2. Moskva, Vysshaia shkola, 1964. 338 p.

Kotik, M. G., and others, comps. [English-Russian aviation dictionary] Anglo-russkii aviatsionnyi slovar. Pod obshchei red. A. M. Murashkevicha Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964 687 p

ENGLISH LANGUAGE—TRANSLATING

Spazhev, IU. A., A. A. Filippov, and E. A. Il'r'ev. [Course in military translation, English] Kurs voennogo perevoda, angliiskii iazyk. Moskva, Voenizdat.
Pt. 2. 1964. 478 p.
——— [Supplement] Prilozhenie. 30 p.

ENGLISH LANGUAGE—WORDS

Fal'kovich, M. M. [The most frequently used words in English, for language institutes. Textbook for students enrolled in courses 1-5 of institutes and schools of foreign languages] Leksicheskii minimum po angliiskomu iazyku, dlia iazykovykh vuzov. Uchebnoe posobie dlia studentov I-V kursov institutov i fakul'tetov inostrannykh iazykov. Izd. 2. Moskva, Vysshaia shkola, 1964. 338 p.

ENGRAVINGS see subdivision under Lvov

ENSILAGE

(see also subdivision under Latvia)

Effect of feeding corn silage on the physiological indices of pregnant cows during the dry period and their progeny V. E Krasko Trudy Bel nauch -issl inst zhiv. 3 315-322 '62

Ensiling corn with the addition of urea I S Kazurov, M S Arel'eva Sbor nauch rab Sib nauch -issl inst. sel' khoz no 6 82-85 '61.

ENSILAGE—EQUIPMENT AND SUPPLIES

Machines for taking up and loading ensilage. L. L. Khazanet. Trakt i sel'khozmash. no. 6 43-44 Je '64

Sovere, E. [Silage conveyer] Skabbarības konveijera. Riga, Latvijas Valsts izd-ba, 1963. 28 p. [In Latvian]
(DNAL)

ENSILAGE—HARVESTING

For the quality of ensilage harvester combines. I. P. Kotenok Trakt i sel'khozmash. no. 6 37-38 Je '64

ENSILAGE—TRANSPORTATION

Integrated brigades at the transportation of silage V Kuznetsov Avt transp 42 no. 6 14-15 Je '64

ENTEROBACTERIACEAE—CULTURES AND CULTURE MEDIA

Development of a method for the cultivation of microbes of the intestinal group on hygroscopic tissue, author's abstract. V N Valueva. Trudy Irk. NIIEM no. 6 137-140 '61.

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGICAL RESEARCH

Copeognatha of the Armenian S. S. R. and methods of their laboratory maintenance. P. K. Svadzhian, V. N. Vishniakova, K. S. Mardzhanian. Izv. AN Arm. SSR. Biol nauki 16 no. 9.89-94 S '63.

ENTOMOLOGICAL SOCIETIES see subdivision under Kirghizistan

ENTOMOLOGY

Activity of E. N. Pavlovskii in the field of entomology. G. IA. Bei-Bienko. Zashch. rast. ot vred. i bol. 9 no. 6:2-3 '64.

ENZYMES

Break in the 1,3-bonds in dextran by enzymatic preparations from animal and human liver A. S. Saenko and others Dokl AN SSSR 157 no. 3 723-724 Jl '64.

Enzyme excretory function of the alimentary tract during the use of prednisone. M. F. Nesterin, V. N. Anokhin. Biul. eksp. biol. i med. 56 no. 8:37-43 Ag '63.

Isolation of 5'-nucleotidase of viper venom from interfering enzymes I. I. Nikol'skaia, O. S. Kislina, T. I. Tikhonenko. Dokl AN SSSR 157 no. 2,475-477 Jl '64

Principles and methods of the histochemical analysis of enzymes. B. B. Fuks, G. S. Shishkin. Arkh. anat., gist. i embr. 44 no. 6 103-113 Je '63.

Some problems concerning the regulation of enzymatic activity and synthesis in bacteria. V. N Gershanovich. Vest. AMN SSSR 18 no 12 74-84 '63.

Studies on serum enzymes in children with progressive muscular dystrophy. L. P. Grinio. Zhur. nevr. i psikh. 63 no. 7 961-966 '63.

ENZYMES—SPECTRA

Spectroscopic study of the kinetics and properties of enzymesubstrate complexes in adenosine triphosphatase reaction of contractive muscle proteins E A. Burshtein, T B Suslova Biofizika 9 no 1:48-55 '64

EOSINOPHILIC GRANULOMA

Eosinophilic granuloma of the large intestine. A. I. Perel'shtein. Vop. onk. 8 no. 10:88-89 '62.

EPIDEMIOLOGY

Results of scientific research in the field of microbiology, epidemiology and hygiene in 1962; based on data from the institutes of the Department of Hygiene, Microbiolog and Epidemiology of the Academy of Medical Sciences of the U S. S. R A I Danilov. Vest AMN SSSR 16 no 11 73 77 '63

EPILEPSY

Association of schizoid and epileptic symptoms in children. S. S. Mnukhin. Zhur. nevr. i psikh. 63 no. 7:1047-1051 '63.

Clinical aspects of tuberous sclerosis in children. L. M. Kalinina. Zhur. nevr. i psikh. 63 no. 7:1067-1071 '63.

"Epilepsy in children and adolescents" by T. P. Simson and others. Reviewed by A. K. Mikhailov. Zhur. nevr. i psikh. 63 no. 7:1108-1109 '63.

One of the forms of dysostotic oligophrenia. M. G. Bliumina, A. I. Gingol'd. Zhur. nevr. i psikh. 63 no. 7:1085-1088 '63.

EPITHELIUM

Effect of radiation on the mitotic cycle of the cornea epithelium and the intestine epithelium in mice. M G. Chumak. Radiobiologiia 3 no. 6:866-874 '63.

EPITHELIUM—INFLAMMATION

Cell proliferation, protein and nuclein metabolism in inflammatory excrescences of the epithelium [with summary in English]. L. I. Chekulaeva. Arkh. anat., gist. i embr. 44 no. 6:87-92 Je '63.

EPOXY RESINS

Fire hazards and preventive measures in the production of epoxy resins. A. D Faibishenko, N. P. Smirnova. Sbor rab. pozh. -ispyt sta no. 3:39-49 '63.

Use of epoxide resins in the manufacture of impregnated graphite. L. P. Tashchilova. Khim. prom. no. 4:303-304 Ap '64.

EPOXY RESINS—ELECTRIC PROPERTIES

Electrical strength of epoxide compounds at increased frequencies. V. E. Andreev, B. M. Riabov. Izv. vys. ucheb. zav., energ. 7 no. 5:105-108 My '64.

Study of electric insulating materials based on epoxide resins at increased temperatures. N. V. Mitroshichev. Izv. vys. ucheb. zav.; energ. 5 no. 8:36-42 Ag '62.

EPSHTEIN, VLADIMIR VASIL'EVICH, 1902-1960

V. V. Epshtein (1902-1960). Okhr. prir. [illegible] 163-166 '61.

EQUATIONS

Some trinomial equations. V. V Zimba. Trudy [illegible] 1 112-116 '62

EQUATIONS, LINEAR see Linear equations

ERGOCALCIFEROL—TOXICOLOGY

Body reaction to the introduction of large doses of vitamin D2 (experimental data) [illegible] Terent'eva. Vest. AMN SSSR 18 no. 8 [illegible]

ERGOCALCIFEROL AS FEED

Use of crystal biomycin and vitamin D_2 in [illegible] ing. F. A Cherches. Trudy Bel nauch. [illegible] 3 304-311 '62.

ERICALES

Boreal undershrubs. R. A. Rotov. Biul. [illegible] 67 no. 6:96-101 N-D '62.

ERIVAN—VENDING MACHINES

Progress - yes, "Progress"-no S Safarian [illegible] torg. 37 no 5,22-24 My '64

ERLANDER, TAGE FRITIOF, 1901-

Tage Fritiof Erlander. L. Ivanov. Mir. ekon. i mezhdunar. otn. no. 7:115-116 '64.

EROSION

(see also subdivision under Turkmenistan)

Comprehensive study of problems in erosion control at the present stage. F. Kh. Shakirov. Izv. [illegible] AN SSSR no. 6:88-92 '62.

Efficiency of measures for soil erosion control. A. Shamshin. Ekon. sel'khoz. 34 no. 12:10-15 D '63.

ERROR-CORRECTING CODES (INFORMATION THEORY)

A class of correcting codes. M. A. Kornmoz[illegible] Dokl AN SSSR 157 no. 2:303-306 Jl '64.

ERRORS, THEORY OF

Analysis of triangulation materials based on triangle errors of closure. Z. S. Khaimov. Izv. vys. ucheb. zav.; geod. i aerof. no. 6:63-71 '63.

Deficiency index of the second and third boundary value problems in a region having a piecewise smooth boundary. G. M. Verzhbinskii. Vest. LGU no. 7:[illegible] '64

Estimation of the accuracy of a chain of triangles between starting points in triangulation of higher order after adjustment by grid azimuths for coordinate [illegible] tions. A. T. Cherkoz'ianov. Izv. vys. ucheb. zav. geod. i aerof. no. 6:76-90 '63.

Round-off errors due to difference methods used in solving problems with initial conditions for elliptic equations and systems. L. A. Chudov, V. P. Kudriavtsev Vychisl. rab. VTS MGU 2:20-47 '63.

Static control of aerological telegrams. L. S. Gandin and others. Trudy GGO no. 151:3-16 '61.

ERYSIMUM

Glycosides of plants of the genus Erysimum. Part 4. Glycosides of Erysimum gypsaceum. R. N. Tursunova, N. K. Abubakirov. Zhur. ob. khim. 34 no. 6:2084-2088 Je '64.

ERYTHREMIA

Ambrazevičiene, E. [Red blood diseases; anemias, erythremia] Raudonojo kraujo ligos; anemijos ir eritremija. Vilnius, Valstybinė politinės ir mokslinės literatūros leidykla, 1964. 119 p. [In Lithuanian]
(DNLM)

ERYTHRITE CRYSTALS—OPTICAL PROPERTIES

Electro-optical effect in pentaerithrite $C(CH_2OH)_4$ crystals. O. G. Blokh, I. S. Zheludev, V. A. Shamburov Kristallografiia 8 no. 1:50-56 Ja-F '63.

ERYTHROBLASTOSIS FETALIS

Review of the book "Kernicterus and its significance in cerebral palsy. Conference of the American Academy for Cerebral Palsy". D. O. Futer. Zhur. nevr. i psikh. 63 no. 7:1112-1114 '63.

ERYTHROCYTES

Mechanism of the hemolytic effect of ultrasonic waves. I. E. El'piner, IU. A. Kriger, S. Z. Dobrina. Biofizika 8 no. 6:677-680 '63.

Morphological characteristics of the erythrocyte composition of the blood in hypertension. T. I. Mazurenko. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:219-226 '63.

Study of the duration of erythrocyte survival in dogs during acute and chronic loss of blood. N. A. Fedorov, N. A. Gorbunova. Pat. fiziol. i eksp. terap. 7 no. 6 65-70 N-D '63.

ESCHERICHIA COLI

Diagnosis of food poisoning caused by Escherichia coli V. V. Khazanova. Vop. pit. 22 no. 6:46-52 N-D '63

ESCHERICHIA COLI (Continued)

Effect of gamma irradiation on the auxotrophic mutants of Escherichia coli under the conditions of changing synthetic activity. A G Skavronskaia and others. Radiobiologiia 3 no 6:858-865 '63.

Evaluation of Kheifets' medium for rapid detection of Escherichia coli in washings B A. Garanin. Lab. delo no. 6 364-366 '64

Importance of Escherichia coli in the etiology of gastrointestinal diseases in young children in Tomsk L. K. Avdeeva and others Trudy TomNIIVS 14:71-75 '63.

Methodology of examination for pathogenic Escherichia coli. N. I. Kriuchkova, O. K Kuznetsova. Lab. delo no. 6 359-360 '64.

Postirradiation recovery of Escherichia coli irradiated under different conditions (in air, in nitrogen and in nitrogen in the presence of cysteamine). E. A. Val'dshtein, V. D. Zhestianikov. Radiobiologiia 3 no 6:809-814 '63.

Radioresistance of Escherichia coli cultivated under the influence of continuous gamma irradiation. V. D. Zhestianikov. Radiobiologiia 3 no. 6:847-854 '63.

Some clinical observations of colienteritis in children A. A. Chuprynina Trudy TomNIIVS 14:76-79 '63.

ESOPHAGUS—CANCER
(see also subdivision under Aktyubinsk Province; Kazakhstan)

Cancer of the stomach and esophagus. A. G Bekker. Trudy Inst klin i eksp khir. AN Kazakh. SSR 8,69-72 '62.

Cancer of the stomach and the esophagus, and hiatal hernia. I. L. Tager, A. A. Lipko. Vop. onk. 8 no. 10: 78-83 '62.

Causes of fatal outcomes following radical operations for cancer of the upper section of the stomach involving the esophagus. V. I. Kazanskii and others. Khirurgiia 40 no. 2:93-98 F '64.

Characteristics of intubation anesthesia in transpleural surgery on cancer of the esophagus and cardia. V. A Chibunovskii. Trudy Inst. klin i eksp. khir. AN Kazakh SSR 8:140-145 '62

Methodology of forming a gastroesophageal anastomosis in resection of the esophagus. A. M Biriukov. Trudy Inst klin i eksp. khir AN Kazakh. SSR 8:38-40 '62

Pathogenesis of experimental tumors of the esophagus A. G. Dorogokuplia. Trudy Inst. klin i eksp khir. AN Kazakh. SSR 8 41-46 '62.

Precancer processes in the esophagus. L Kh Adil'gireeva Trudy Inst klin i eksp. khir AN Kazakh. SSR 8:35-37 '62

Results of radiotherapy in cancer of the esophagus. V. P. Shakirova. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 8,99-102 '62

ESOPHAGUS—INNERVATION

Innervation of the pharynx and the cervical portion of the esophagus in man and some animals. G. S. Semenova. Trudy SMI 15:16-27 '62.

Morphology of the sensory nerve endings of the diaphragmatic and the subdiaphragmatic portions of the esophagus and the cardial portion of the stomach in man and animals. V. I. Antonova. Trudy SMI 15:50-57 '62.

Nervous apparatus of the pharynx and the cervical portion of the esophagus in human fetuses. G. S. Semenova. Trudy SMI 15:98-105 '62.

Sources of the innervation of the pharynx and the cervical portion of the esophagus. G. S. Semenova. Trudy SMI 15:39-49 '62.

Structure of the tunica muscularis of the cervical portion of the esophagus and its efferent innervation in man and in some animals. G. S. Semenova. Trudy SMI 15:28-37 '62.

ESOPHAGUS—SURGERY

Methodology of forming a gastroesophageal anastomosis in resection of the esophagus. A. M. Biriukov. Trudy Inst klin. i eksp. khir. AN Kazakh. SSR 8:38-40 '62.

ESOPHAGUS—TUMORS

Association of lung cancer with esophageal leiomyoma. A. I. Pirogov, A. S. Al'bert. Vop. onk. 10 no. 2:115-118 '64.

ESPIONAGE

Forms of intent in offenses against the external security of the U. S. S. R. G. Z. Anashkin. Sov. gos. i. pravo 34 no. 5:79-87 My '64.

ESSENCES AND ESSENTIAL OIL

Preparation of coriander water from ethereal oil [with summary in English]. A. G. Liukshenkov, T. I. Bulenkov, G. A. Logintseva. Apt. delo 11 no. 6:22-23 N-D '62.

ESTERIFICATION

Lipides. Part 24: Synthesis of monoacid triglycerides by the re-esterification of triacetins with methyl esters of higher fatty acids. T. K. Mitrofanova and others. Zhur. ob. khim. 34 no. 6:1906-1908 Je '64.

ESTERS

Interaction of bromocyanoacetic ester with aromatic aldehydes in the Reformatskii and Widequist reactions. N. S. Vul'fson, F. G. Zhurina, L. B. Seniavina. Dokl. AN SSSR 157 no. 3,603-606 Jl '64.

Part 12. Methyl ester of 3-(p-methoxyphenyl)-1-cyclopentanone-5-carboxylic acid. G. S. Grinenko, N. I. Men'shova, V. I. Maksimov. Zhur ob khim. 34 no. 6: 1970-1976 Je '64.

Study of mixed block polyarylates. V. V. Korshak and others. Dokl. AN SSSR 156 no. 2,368-371 My '64.

Synthesis of esters of nitrocarboxylic acids in the presence of the AV-17 anion exchanger. V. I Isaguliants, E. L Markosian Zhur prikl. khim 37 no 5:1145-1148 My '64.

Synthesis of esters of the pyridine series. B. A. Porai-Koshits and others. Zhur prikl khim 37 no. 5:1081-1087 My '64

ESTONIA—ADMINISTRATIVE AND POLITICAL DIVISION

[Administrative territorial division of the Estonian S. S. R. as of January 1, 1964] Eesti NSV territoorulumi administratiivne jaotus seisuga 1, jaanuar 1964. Tallin, Eesti Riiklik Kirjastus, 1964. 75 p. maps (insert) [In Estonian and Russian]

ESTONIA—AGRICULTURE

Means of agricultural intensification. E Tonurist. Vop. ekon no 7.31-40 Jl '64.

ESTONIA—BULLS

Methods of judging bulls by the quality of their progeny L F Vaher Trudy Bel nauch -issl inst zhiv 3 78-85 '62

ESTONIA—MEDICAL JURISPRUDENCE—CONGRESSES

First enlarged Scientific and Practical Conference of Medicolegal Personnel and Anatomicopathologists of the Estonian S. S. R. A A. Lukash Sud -med ekspert 7 no 2 61-62 Ap-Je '64

ESTONIA—STATE FARMS—MANAGEMENT

Estonia's leading state farm. Z. Radaeva. Ekon. sel'khoz 34 no. 12:53-58 D '63.

ESTONIA—STOCK AND STOCKBREEDING

Solving the urgent problems of stockbreeding. A. I. Pung. Vest. vys. shkoly 22 no. 5 11-13 My '64.

ESTRUS

Stimulating heat in sheep out of season. A. M. Amarbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:59-63 F '64.

ETHANE

Curarelike activity of some diphenylethane derivatives. A. I. Podlesnaia Farm i toks. 26 no. 1 40-45 Ja-F '63

I-T diagram of the pyrolysis of ethane and propane. A. V. Stepanov, A. A. Stepanova Khim. i tekh topl. i masel 9 no. 6:10-14 Je '64.

Using ethane fractions to produce ethylene. A. S. Gelikh, A. L. Rabkina Gaz delo no 4.26-31 '64

ETHERS

Reactions of ethers with unsaturated radicals. Part 2: Reaction of the 1, 4-cleavage of ethers with a 2-butynyl radical. G. M. Mkrian, Sh. L. Mndzhoian. Izv. AN Arm. SSR. Khim nauki 17 no. 3:306-313 '64

ETHICS

Shvartsman, K. A. [Ethics... without morality, criticism of contemporary bourgeois theories of ethics] Etika... bez morali; kritika sovremennykh burzhuaznykh eticheskikh teorii. Moskva, Izd-vo "Mysl'," 1964. 263 p.

ETHIOPIA—CLIMATE

Kodrau, O. D. [Climate of Ethiopia] Klimat Efiopii. Pod red. A. N. Lebedeva. Leningrad, Gidrometeoizdat, 1964. 47 p. (Materialy po klimatologii zemnogo shara)

ETHNOLOGY see subdivision under Pakistan

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHYL GROUP

Formation of excited ethyl radicals when hot hydrogen atoms react with ethylene. B. G. Dzantiev, A. P. Shvedchikov, B. V. Borshagovskii. Dokl AN SSSR 157 no 3: 653-655 Jl '64

ETHYL THIOPYROPHOSPHATES—PHYSIOLOGICAL EFFECT

Effect of armin and pyrophos on cholinesterase activity in different tissues of white mice. L V. Donskaia, R A. Khaunina. Farm. i toks 26 no. 1:45-47 Ja-F '63.

ETHYLAMINE

Derivatives of tetrahydronaphthalene. Part 2: Synthesis of some N, N-dichloroethylamino derivatives of the tetrahydronaphthalene series F. Kulban, Z. Dumitrescu, I. Ambrush. Zhur. ob. khim. 34 no. 5:1581-1586 My '64.

Mechanism of the radioprotective action of cystamine (2-aminoethyldisulfide). E. IA. Graevskii and others. Radiobiologiia 3 no. 6:891-897 '63.

ETHYLENE

Formation of excited ethyl radicals when hot hydrogen atoms react with ethylene. B. G. Dzantiev, A. P. Shvedchikov, B. V. Borshagovskii Dokl. AN SSSR 157 no. 3: 653-655 Jl '64.

Role of the vessel surface in the thermal reaction of chlorine with ethylene. A. M Chaikin. Zhur fiz khim. 36 no. 6:1306-1310 Je '62.

Using ethane fractions to produce ethylene A S Gelikh, A. L. Rabkina Gaz delo no 4 26-31 '64

Various methods for the production of ethylene A M Zeliznyi, S T Zelizna Khim prom [Ukr] no 1:37-41 Ja-Mr '63.

ETHYLENE GLYCOL

Decomposition of 1-(α-chloroethyloxy)-2-acetoxyethane M. F. Shostakovskii and others. Zhur. ob. khim 34 no. 6:2089-2090 Je '64.

Synthesis of ε-acetylenic β-ether alcohols. M. F. Shostakovskii, A. S. Atavin, B. A. Trofimov Zhur. ob. khim. 34 no. 6:2089 Je '64.

ETHYLENE POLYMERS

Quantitative determination of the ingredients of ointments having polyethylene oxide base [with summary in English]. V. K. Kovalenko, G. IA Khaut Apt. delo 11 no. 6.32-36 N-D '62.

Use of block copolymers of propylene and ethylene oxides for the breaking of petroleum emulsions D N Levchenko, N V. Nikolaeva, A D. Khudiakova Khim i tekh. topl. i masel 9 no. 3:36-40 Mr '64

ETHYLENEDIAMINE—PHYSIOLOGICAL EFFECT

Effect of diamine-ethylene cobalt iodide and diethylstilbestrol combined with testosterone on the development of myocardial collaterals in experimentally induced coronary insufficiency. G. S. Gvishiani Trudy Inst. klin i eksper. kard AN Gruz. SSR 8,431-435 '63

EUDIOMETER

Determining minor concentrations of hydrogen sulfide in graduating industrial eudiometers for hydrogen sulfide. E. M. Malkova, T. L. Radovskaia. Izm. tekh no. 5: 50-52 My '64.

EUPHAUSIACEA see subdivision under Arabian Sea, Bengal, Bay of

EUROPE—AMATEUR RADIO STATIONS

Shortwave competitions in Europe. N. Kazanskii. Radio no. 3:13 Mr '64.

EUROPE—RADIO OPERATORS

Shortwave competitions in Europe. N. Kazanskii. Radio no. 3:13 Mr '64.

EUROPE—STATISTICS, MEDICAL

Methodological problems as to the study of the incidence of disease among the population of European countries. V. K. Ovcharov. Zdrav. Ros. Feder. 8 no. 5:26-31 My '64.

EUROPE, EASTERN—CAPITAL INVESTMENTS

Determining the efficiency of capital investments in the countries participating in Comecon T Khachaturov. Vop. ekon. no 7 129-137 Jl '64

EUROPE, EASTERN—CHEMICAL INDUSTRIES

Chemical products in the trade among the countries participating in the Mutual Economic Assistance Council N. Titov. Vnesh torg 44 no. 5,11-15 '64

EUROPE, EASTERN—COMMERCE—RUSSIA

New Soviet economic agreements; an interview with I. F. Semichastnov. Nov. vrem. 21 no. 28:17 Jl '64.

EUROPE, EASTERN—DOMESTIC ANIMALS, FOSSIL

Domestic animals in Eastern Europe in the early Iron Age. V. I. TSalkin. Biul. MOIP, Otd. biol 69 no. 3:25-39 My-Je '64.

EUROPE, EASTERN—ECONOMIC DEVELOPMENT

Main trends of economic development in the socialist countries of Europe. G Sorokin. Mir ekon. i mezhdunar otn. no 6:3-14 '64

EUROPE, EASTERN—ECONOMIC POLICY

Methodological problems of equalizing the levels of the economic development of socialist countries. I. Oleinik, E. Raevskaia. Vop. ekon. no. 7:63-74 Jl '64.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

Methodological problems of equalizing the levels of the economic development of socialist countries. I. Oleinik, E Raevskaia. Vop. ekon. no. 7:63-74 Jl '64.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—BULGARIA

Bulgaria expands relations with fraternal countries. N. Nachev. Vnesh. torg. 44 no. 5 43-46 '64.

EUROPE, EASTERN—SOVIETS

IAkimovich, IA. V. [Organs of local government in the European people's democracies] Mestnye organy gosudarstvennoi vlasti evropeiskikh stran narodnoi demokratii. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 205 p.

EUROPE, WESTERN—ART

Sopotsinskii, O. I. [Western European medieval art. Iskusstvo zapadnoevropeiskogo srednevekov'ia] Moskva, Iskusstvo, 1964. 77 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

Vernovskii, A.I. [Whose "plans" are they? On the nature and methods of economic planning in Western Europe] Ch'i eto "plany"? O sushchnosti i metodakh ekonomicheskogo programmirovaniia v Zapadnoi Evrope. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia; Ekonomika, no. 12)

EUROPE, WESTERN—THEATER

Mokul'skii, S. S., G. N. Boiadzhiev, and E. L. Finkel'shtein, eds. [History of the theater in Western Europe] Istoriia zapadnoevropeiskogo teatra. Moskva, Iskusstvo. Vol. 4 1964. 666 p.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

Around the political union of "Little Europe." IU Rubinskii Mir ekon i mezhdunar otn. no 7 97-99 '64.

Franco's "big maneuvers." Eusebio Cimorra. Nov. vrem. 21 no. 28 18-19 Jl '64.

More "anschluss" plans. N. Ketishev. Nov. vrem. 21 no. 28.20-21 Jl '64.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN EXCHANGE

Foreign exchange problems of the countries participating in the "Common Market." L. Serebriakova Den i kred 22 no 7-69-79 Jl '64

EUROPEAN WAR, 1914-1918

Lesson of history A Berezkin Kommunist 41 no. 11·131-139 Jl '64

EUROPEAN WAR, 1914-1918—CAUSES

Zaichikov, G. I. [The struggle of the Bolsheviks against militarism and the imperialist war in 1907-1914] Bor'ba bol'shevikov-protiv militarizma i imperialisticheskoi voiny v 1907-1914 gg. Moskva, Vysshaia shkola, 1964. 102 p. (Studentu, izuchaiushchemu istoriiu KPSS)

EUROPEAN WAR, 1914-1918—PERSONAL NARRATIVES

Fedorov, V. G. [In search of weapons] V poiskakh oruzhiia. Moskva, Voenizdat, 1964. 215 p. (Voennye memuary)

EUROPEAN WAR, 1914-1918—PRISONERS AND PRISONS, GERMAN

"We were there when the world changed" [in German]. Reviewed by O. V. Kuznetsova. Ist. SSSR 8 no. 1:203-205 Ja-F '64.

EUROPIUM

Partition chromatography of fluoroplast 4. Separation of europium from other rare-earth elements L. N Moskvin. Radiokhimiia 5 no. 6:747-749 '63.

EUROPIUM COMPOUNDS

Polarographic study of the complex formation of europium with ethylenediaminotetraacetic acid. IU. P. Galaktionov, R. A. Lidin, K. V. Astakhov. Zhur fiz. khim. 37 no. 4: 829-834 Ap '63.

EURYGASTERS

Effect of temperature conditions in spring on the fecundity of the scale insect Eurygaster integriceps Put. N. M. Vinogradova. Zool. zhur. 42 no. 12:1804-1809 '63.

EUTECTICS

Phosphide eutectic in cast iron. I. V. Lebedev. Trudy GPI 19 no. 1:10-13 '63.

EVAPORATING APPLIANCES

Simulation of the transient operation of a multistage evaporating system using an electronic computer. E. I. Taubman. Izv. vys. ucheb. zav., energ. 7 no. 5. 73-80 My '64.

EVAPORATION

(see also subdivision under Sevan, Lake)

Diffusion processes at mobile surfaces of the interfacial boundary. Part 1. IU. A. Buevich. Zhur. fiz. khim. 38 no. 3:658-663 Mr '64.

EVENING AND CONTINUATION SCHOOLS

Let's give more attention to the schools of rural youth. V Sedakov. Nar. obr. no. 7 8-12 Jl '64.

EVERGREENS see subdivision under Batum

EVOLUTION

Regressive development in biology. V. V. Kuprilanov. Vest. AMN SSSR 19 no. 1:33-43 '64.

Sviderskii, V. L [Certain particular aspects of evolution in an objective world] Nekotorye osobennosti razvitiia v ob"ektivnom mire. [Leningrad] Izd-vo Leningr. univ., 1964. 138 p.

EXCAVATING MACHINERY

Determining performance potentialities of excavators in strip mines. O. I. Alekseev, V. A. Svishchev. Trudy Inst. gor. dela AN Kazakh. SSR 13:146-151 '64.

E-156A excavator for finishing earthwork and planning. A. N. Voronin, S. P. Doletskii. Stroi. i dor mash. 8 no. 12:1-2 D '63.

Moscow. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Improving the mechanism nodes of the E-801 excavator, experience of L. P. Kurdiukov, mechanic of the Trust of the Special State Office for the Mechanization of Construction Work] Usovershenstvovanie uzlov mekhanizmov ekskavatora E-801, opyt L. P. Kurdiukova, mashinista tresta "Stroimekhanizatsiia" (Novosibirsk). Moskva, Gosstroiizdat, 1963. 11 p. (Novatory-stroiteli)

[MICROFILM]

Moscow. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Method of estimating the operational qualities of single-bucket construction excavators while designing them] Metodika otsenki ekspluatatsionnykh kachestv odnokovshovykh stroitel'nykh ekskavatorov pri proektirovanii. Moskva, Gosstroiizdat, 1964. 36 p.

EXCAVATING MACHINERY—DESIGN AND CONSTRUCTION

Russia (1917- R. S F. S. R.) Glavnoe upravlenie po snabzheniiu i sbytu produktsii tiazhelogo, traktornogo i stroitel'no-dorozhnogo oborudovaniia. [Catalog and reference manual on the adaptability of hydraulic and pneumatic systems to excavating, construction and road machinery] Katalog-spravochnik primeniaemosti gidro- i pnevmosistem na ekskavatorakh, stroitel'nykh i dorozhnykh mashinakh. Moskva, Goslesbumizdat, 1963. 147 p.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

The brigades are keeping in step. A. T. Popov. Transp. stroi. 13 no. 12:35-38 D '63.

EXCITATION (PHYSIOLOGY)

Adequatometry and discretometry of the human visual analysor at different geographic latitudes. B A. Funtikov. Nerv. sist. no 3:139-144 '62

Chronaximetric analysis of cases of difficult formation of motor conditioned reflexes in man. E Cytawa, Wl. Stonzka. Zhur vys nerv. deiat 13 no 6 987-994 N-D '63.

Dynamics of the refractivity of a nerve and the neuromotor unit. N E. Shvinka. Nerv. sist. no. 3;95-100 '62.

Functional changes of a nerve under the influence of amobarbital sodium E. A Guseva Nerv. sist no 3: 90-94 '62.

Mechanism of hysteriosis. Report No 2: The development of hysteriosis following a transverse section of the spinal cord. N. N Poliakova. Nerv. sist no 3;69-73 '62.

Significance of signal stimuli for human muscular work capacity. Report No. 2: Characteristics of conditioned reflexes related to various work stages. O V. Osipova Nerv. sist. no. 3:167-176 '62.

Studies on the rate of spreading of neural excitation in some diseases of the nervous system. Z. Kh Manovich., Zhur. nevr i psikh. 64 no. 5 718-722 '64.

Study of human muscular work capacity by the method of creation of a weak excitation focus. L P. Pavlova Nerv. sist. no. 3:160-166 '62.

Theory of stimulation and mechanisms of cellular and systemic processes of excitation, inhibition and adaptation in light of the theory on parabiosis. N. V Golikov. Nerv. sist. no. 3:33-42 '62.

EXCITATION (PHYSIOLOGY)—MATHEMATICAL MODELS

Electronic computers in the study of continuous models of control systems. I. P. Lukashevich. Biofizika 8 no. 6·715-721 '63.

EXCRETION

Role of different segments of the alimentary tract in the excretion of radioactive calcium. D. I. Bel'chenko. Biul. eksp. biol. i med. 56 no. 8:69-70 Ag '63.

EXERCISE

Normantas, Paulius. [Labor and physical culture] Darbas ir fizine kultura. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 134 p. [In Lithuanian]

EXERCISE THERAPY

Effect of gymnastic exercises on the motor function of the stomach in peptic ulcer patients G. N. Propastin. Vest. khir. 91 no 10 74-77 O '63.

Exercise therapy in nonspecific diseases of the respiratory organs at the health resorts and sanatoriums of Uzbekistan. V. N. Bekhtereva. Sbor. trud. Uz. gos. nauch -issl. inst. kur. i fizioter. 17:163-167 '62

Exercise therapy in the compound x treatment of diseases of the respiratory organs at the Aktash Sanatorium. IU. N. Borodianskaia. Sbor. trud. Uz. gos nauch. -issl. inst. kur. i fizioter. 17·88-95 '62.

Maček, Miloš, Jiřina Štefanova, and Bela Švejcarová. [Exercise therapy in children's diseases. Translated from the Czech] Lechebnaia fizkul'tura pri detskikh bolezniakh. Pod red. V. L. Strakovskoi. Moskva, Meditsina, 1964. 335 p.
(DNLM)

Nauchno-prakticheskaia konferentsiia po fizicheskomu vospitaniiu, sportu, vrachebnomu kontroliu i lechebnoi fizicheskoi kul'ture, 1st, 1963. [Materials of the First Scientific and Practical Conference on Physical Education, Sports, Medical Inspection, and Exercise Therapy] Materialy Pod red. M. R. Mogendovicha, R. V. Zueva i K. L. Geikhmana. Perm', Permskoe otd-nie Vses. nauchno-med. ob-va po vrachebnomu kontroliu i lechebnoi fizicheskoi kul'ture, 1963. 78 p.

[DNLM MICROFILM]

EXPANSION (HEAT)

Thermal expansion of molding core sand mixtures with soluble glass. G. P. Borisov. Dop. AN URSR no. 6: 792-795 '63.

EXPERIMENTAL THERAPEUTICS see Therapeutics, Experimental

EXPLOSIONS

Heat losses in explosions in a spherical bomb. V F. Baibuz Zhur fiz khim 36 no. 6:1280-1286 Je '62.

Performance of scrubbers with a packing used as flame-intercepting device in acetylene pipes. S. M. Kogarko, A. G. Liamin, V. A. Mikhailov. Khim. prom. no. 4:275-282 Ap '64

Thermal explosion with constant distribution of the heat source. A. D. Margolin. Zhur. fiz khim 37 no. 4: 887-888 Ap '63.

EXPLOSIVE FORMING

Stepanov, V. G. [Equipment for the explosive forming of parts by means of the electrohydraulic effect; verbatim report of a lecture] Osnastka dlia gidrovzryvnoi shtampovki krupnogabaritnykh detalei; stenogramma lektsii. Leningrad, 1964. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem)

Zubkov, B. V. [Ray, spark, explosion; tales about the new and the unusual in metalworking] Luch, iskra, vzryv obrabatyvaiut metall; rasskazy o novom i neobychnom v obrabotke metalla. [Tambov] Knizhnoe izd-vo, 1963. 70 p.

EXPLOSIVES

Effective deflagration temperature of certain explosives. A. F. Beliaev, G. V. Lukashenia. PMTF no. 6:114-120 N-D '63.

Ignition of gunpowders and other explosives. V. B. Librovich. PMTF no. 6:74-79 N-D '63.

Model representing the burning of nonvolatile explosives. E. I. Maksimov, A. G Merzhanov Dokl. AN SSSR 157 no. 2.412-415 Jl '64.

Note concerning the effect of a condensed residue on the dependence of the rate of burning on pressure. N. N. Bakhman. PMTF no. 6:120-121 N-D '63.

EXTRACTION (CHEMISTRY)

Analysis of phthalic acids by water extraction. I. V. Butina, V. G. Pituenin, N. A. Shevchenko. Izv. Sib. otd. AN SSSR no. 6;68-77 '62.

Selecting the method of extraction of gallium during the process of a complex treatment of alunites. G. B Shakhtakhtinskii, E A. Dzhafarov, G. A Shakarov. Dokl. AN Azerb SSR 20 no 4:39-43 '64.

EXTRACTS

Using ultrasonic waves in the preparation of infusions from alkaloid- and glucoside-bearing plants II. A Vaisman and others. Farmatsev. zhur. 18 no. 4·61 65 '63

EXTREMITIES (ANATOMY)

Microscopic structure of the compact matter of long bones of the extremities in some representatives of the family Sciuridae. K. A Klebanova. Trudy Zool. inst 33 256-282 '64.

Structure of muscles of the hind extremities in representatives of the family Sciuridae A. S Sokolov. Trudy Zool inst 33;283-318 '64.

EXTREMITIES (ANATOMY)—ABNORMITIES AND DEFORMITIES

Acrocephalosyndactylia (Apert's disease). A. D. Kleif. Zhur. nevr. i psikh. 63 no. 7:1009-1011 '63.

EXTREMITIES (ANATOMY)—DISEASES

Treatment of purulent diseases of the extremities by intraosseous introduction of novocaine and antibiotics G I Dmitriev Vest khir 91 no. 10.117-118 O '63.

EXTREMITIES (ANATOMY)—FRACTURES

Evaluation of arteriographic data in open fractures of the bones of the extremities. N. S. Kostin. Vest. rent. i rad 38 no. 3·35-39 My-Je '63.

EXTREMITIES, UPPER—WOUNDS AND INJURIES

Medicolegal importance of the characteristics of the course of traumas in the upper extremities in childhood. V. E. IAnkovskii. Sud. -med. ekspert. 7 no. 2.16-19 Ap-Je '64

EXTRUSION (METALS)

Lateral extrusion in manufacturing collectors for electric machines. M. A. Krasnopol'skii. Vest. mashinostr. 44 no. 2:43-46 F '64.

EXUDATION (BOTANY)

Effect of heteroauxin on the excretion of sap by sunflower roots. L. V. Mozhaeva, Khuan Mu-iui [Huang Mu-yü], L. A. TSareva. Izv. TSKHA no. 5:47-58 '63.

EYE—MUSCLES

Morphology of the neuromuscular apparatus of the extrinsic muscles of the eye in fish and amphibia. V. M. Starshinova. Trudy SMI 15;59-68 '62.

Morphology of the neuromuscular connections of the extrinsic muscles of the human eye. V. M. Starshinova Trudy SMI 15;69-79 '62.

EYELIDS

Methodology of recording conditioned blinking reflexes in young children V A Osepian Zhur vys nerv deiat 13 no 6 1101-1104 N-D '63

FACE—CANCER

Possibility of a stable cure of a neglected form of squamous cancer and a basaloma of the facial skin with lesion of the jaws. L. N. Makedonskaia. Vop onk 8 no. 10:86-88 '62.

FACE—INNERVATION

Age-related morphology of the motor nerve endings of the masseter and facial muscles in rabbits. L N. Novoderezhkina. Trudy SMI 15:89-97 '62.

FACIAL NERVE—DISEASES

Dynamics of facial nerve lesions in the early period following cerebrovascular disorders, clinical and electromyographic study. B A Buletsa Zhur. nevr. i psikh. 64 no. 5 707-711 '64

FACTOR ANALYSIS

Analyzing the stability conditions of correlation between the physical and mechanical indices of leather properties V. P. Nesterov. Izv. vys. ucheb. zav., tekh. leg prom no. 6:3-8 '63.

FACTORIES—DESIGN AND CONSTRUCTION

Winged assembler. M. Marchukova. Sov. voin 46 no. 11: 33 Je '64.

FADEEV, VADIM IVANOVICH, 1917-1943

Man out of a legend. G. Il'ina. Sov. voin 46 no. 12:30 Je '64.

FALLOPIAN TUBES—SURGERY

Repeated surgery following the unilateral removal of adnexa uteri as a result of malignant tumors of the ovary. A. I. Oshmianskaia. Vop. onk 8 no. 10:14-18 '62.

FALLOWING see subdivision under Kazakhstan

FAMILY

Chekalin, V. I. [Love and the family] Liubov' i sem'ia. Moskva, Politizdat, 1964. 255 p.

FANS, MECHANICAL—FOUNDATIONS

Lightweight foundations under fans and hoisting machinery. D. D. Sintsov, A. A. Kerovich. Shakht. stroi. 7 no. 11 8-10 N '63

FAR EAST—CIRRIPEDIA

Fauna of thoracic cirripeds on the continental coast of southeastern Asia. G. B. Zevina, N. I. Tarasov. Trudy Inst. okean. 70:70-100 '63.

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS

(see also subdivision under Lugansk Province; Ukraine; Zhitomir Province)

Economic valuation of capital investments in the construction of farm buildings. K. Eremeev. Ekon. sel'khoz. 34 no. 12:62-69 D '63.

Guarantee in good time rural contruction by technical documentation. S. Nefedov. Sel'. stroi. 18 no. 10:1-2 O '63

FARM BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Ukraine)

The design needs to be finished. A. Moskalev. Sel'. stroi. 18 no. 10:20-21 O '63.

Designs of precast livestock buildings. A. Nomvalts. Sel'. stroi. 18 no. 10:9 O '63.

Karasik, M. N. [Economic effectiveness of design decisions for livestock buildings] Ekonomicheskaia effektivnost' proektnykh reshenii zhivotnovodcheskikh ob"ektov. Moskva, Stroiizdat, 1964. 122 p.

FARM BUILDINGS—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

FARM MANAGEMENT

(see also subdivision under Moscow Province)

Agricultural enterprise administration. A. Esin. Ekon. sel'khoz. 34 no. 12:16-30 D '63.

Economic efficiency of specialization within the individual production units of collective and state farms. I. Dmitrashko Vop ekon. no. 7 41-52 Jl '64.

FARM MECHANIZATION

Comprehensive mechanization of farming in the non-Chernozem zone. M. Matsepuro, G. Orlov, S. Nazarov. Ekon. sel'khoz. 35 no. 1:54-62 Ja '64.

Ignatovskii, P. A. [Economics of electrification and comprehensive mechanization in animal husbandry] Ekonomika elektrifikatsii i kompleksnoi mekhanizatsii zhivotnovodstva. Moskva, Izd-vo "Ekonomika," 1964. 117 p.

[Mechanization of row crop cultivation] Mekhanizatsiia vozdelyvaniia propashnykh. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 86 p. (Bibliotechka mekhanizatora)
(DNAL)

TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechernozemnoi zony SSSR. [Problems of the technology of mechanized agricultural production] Voprosy tekhnologii mekhanizirovannogo sel'skokhoziaistvennogo proizvodstva. Minsk, Izd-vo "Urozhai."
Pt. 2. 1964. 336 p.
(DNAL)

Use agricultural machinery efficiently. A. Zalevskii. Ekon sel'khoz. 34 no. 12 73-79 D '63.

FARM MECHANIZATION—FINANCE see subdivision under Chita Province; Moldavia

FARM MECHANIZATION—PRODUCTION STANDARDS

Graphic method for establishing technically based production standards. D. Lopatin Ekon. sel'khoz. 35 no 1 81-86 Ja '64.

FARM MECHANIZATION—STUDY AND TEACHING

Expanding the specialization scope of a rural machine operator. N. V. Korol'kov. Shkola i proizv. 9 no. 5 5-7 My '64.

Organization of practical work during the study of a tractor. N. V. Makliak. Shkola i proizv. 8 no. 5: 24-26 My '64.

Ranks of machine operators are growing. A. Demin. Nar obr no 7 56-57 Jl '64

Young machine operators M Saranchuk Nar obr no 6.62-63 Je '64

FARM PRODUCE

TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechernozemnoi zony SSSR. [Problems of the technology of mechanized agricultural production] Voprosy tekhnologii mekhanizirovannogo sel'skokhoziaistvennogo proizvodstva. Minsk, Izd-vo "Urozhai."
Pt. 2. 1964. 336 p.
(DNAL)

FARM PRODUCE—MARKETING see subdivision under Omsk Province

FARM PRODUCE—TRANSPORTATION

Main attention should be given to the transportation of harvest products I. Kushchinskii. Avt transp. 42 no. 6 1-2 Je '64

FARMHOUSES see subdivision under Poltava Province, Ukraine

FASCISM see subdivision under United States

FASHION

Clothing styles for 1964. Leh. prom. no. 2:80-81 Ap-Je '64.

Editor's mail. Sem'ia i shkola 19 no. 5:28-32 My '64.

FASTENINGS

Woven locking fastener. V. A. Rimar, R. T. Prokopova. Leh. prom. no. 2:40-42 Ap-Je '64.

FASTING

Therapeutic fasting in chronic coronary insufficiency and in a number of other diseases. A. N. Bakulev, R. S. Kolesnikova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:437-439 '63.

FAT

Functional state of the liver during a diet consisting of qualitatively different fats in experimental atheromatosis. E. I. Dolidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:177-180 '63.

FATIQUE

Role of inhibition in the development of fatigue in human muscular work. L. L. Vasil'ev, N. N. Khavkina. Nerv. sist. no. 3:152-159 '62.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY)

(see also subdivision under Dnieper-Donets Lowland)

Studying crustal faults on the basis of macroseismic data Sh. S. Ragimov Izv. AN SSSR. Ser. geofiz no. 7: 1062-1067 Jl '64.

FAURÉ, EDGAR, 1908-

Edgar Fauré. V. Andreev. Mir. ekon. i mezhdunar. otn. no. 6:142-143 '64

FAVUS—MICROBIOLOGY

Achorion schoenleinii under an electron microscope. A. IA. Prakapchuk, A. H. Bandarovich, P. F. Smol'skii. Vestsi AN BSSR. Ser. biial. nav. no. 3:98-101 '63.

FECES—ANALYSIS

Determining the digestibility of feeds using chromium [illegible] Sbor. nauch [illegible] no. 6:96-98 '61

[illegible] cattle with alimentary osteodystrophies. V. P Krugiov Zap Vor sel'khoz. inst. 17 no 2:203-206 '62.

FEDERATION OF RHODESIA AND NYASALAND see Rhodesia and Nyasaland

FEDOROV, EVGRAF STEPANOVICH, 1853-1919

New documents on a great crystallographer, Academician E S Fedorov and Granat's "Encyclopedical dictionary" A IA Chermak Priroda 53 no 7 103-104 '64

FEDOSEEV, ALEKSEI MIKHAILOVICH, 1904-

A. M. Fedoseev, on his 60th birthday and the 35th anniversary of his engineering and educational work and public activity. N I Borisenko and others. Elektrichestvo no. 6:92 Je '64.

FEDOT'EV, PAVEL PAVLOVICH, 1864-1934

Pavel Pavlovich Fedot'ev; on the 100th anniversary of his birth Izv. AN SSSR. Met. i gor. delo no. 3:12-16 My-Je '64

FEEBLEMINDEDNESS see Mental deficiency

FEED GRINDERS

The KDU-2.0 universal feed crusher. V. I Gritsaenko Trakt i sel'khozmash no 6 36-37 Je '64

FEED MECHANISMS

Boretskii, M. M. [Devices for conveying and accumulating parts in automatic lines] Ustroistva dlia transportirovki i nakaplivaniia detalei v avtomaticheskikh liniiakh. Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 2)

Composite suspension of vibratory hoppers and hoists. IU. IA. Kovylin, G. V. Surkov, V. N. Titov Stan i instr. 35 no. 5:25-27 My '64.

Feed mechanism for presses and machine tools. Mashinostroenie no. 1:110 Ja-F '64.

Mechanized feed of rods on cutting machines V B Surovezhin Mashinostroitel' no 4 7 Ap '64

FEED MILLS see subdivision under Frunze; Karaganda; Sal'sk (Rostov Province), Voronezh

FEED MILLS—ELECTRIC EQUIPMENT see subdivision under Chelyabinsk

FEEDS

(see also subdivision under France; Great Britain; Italy; Kazakhstan; Latvia)

Chemicalization of animal husbandry. I S Popov Agrobiologiia no. 3: 323-339 My-Je '64.

Improving the performance of paste-making machines. V. V. Lezhnev. Trakt i sel'khozmash. no. 6 43 Je '64.

Organization of the production of enriched mixed feeds at the enterprises of the mixed feed industry. V P Denisov Trudy Bel. nauch -issl inst. zhiv 3.230-235 '62

Production and use of mixed feeds. S. M Kabozov Trudy Bel nauch -issl inst zhiv. 3 210-229 '62.

FEEDS—ANALYSIS

Determining the digestibility of feeds using chromium oxide. M. S. Aref'eva, A E. Maidaniuk. Sbor. nauch. rab. Sib nauch. -issl inst sel' khoz no. 6:96-98 '61

FEEDWATER

Study of salt extraction by the flushing and separating system of the PK-24 boiler I I Koshelev and others Elek sta. 35 no. 4.10-15 Ap '64

Study of the effect of pH of boiler water on the behavior of boric acid in low-pressure water vapor. D. G. TSkhvirashvili, V. V. Galustashvili. Soob. AN Gruz. SSR 33 no. 1:155-160 Ja '64.

FEEDWATER PURIFICATION

Improved operation of sodium cation exchange filters. E. IA. Kerman, M T Molchadskii, V S. Gochev. Energetik 12 no 4 11-12 Ap '64.

Use of the AV-17 anion exchanger in a sim ing system. N I. Tatarenko. Energetik Ap '64.

FERGANA—POLYZOA, FOSSIL

New species of early Devonian polyzoans from southern Fergana. M D Orlovskii. Paleont zhur no 2 32-38 '64

FERMENTATION

Determination of oxygen and air consumption and of the basic parameters of fermentors and the estimation of aerators in the process of subsurface cultivation of aerobic micro-organisms. V.F Pokrovskii. Gidroliz i lesokhim prom 17 no 4 3-6 '64

FERMIUM ISOTOPES

Study of the products of reactions of heavy elements with multicharge ions. Part 2. Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions. I Brandshteter and others. Radiokhimiia 5 no 6 706-711 '63

FERNS—THERAPEUTIC USE

Optimal method of deworming in tapeworm infestations. V I Cherniaeva. Trudy TomNIIVS 14:127-133 '63

FERNS, FOSSIL

The genus Nathorstia (ferns). V A Krasilov. Paleont zhur no.2 115-120 '64

FERRITES (MAGNETIC MATERIALS)

Development of methods for increasing the magnetic properties of alloys used in permanent magnets. A.A [illegible]. Trudy NIITVCH no 1/2 140-151 '60

Ferrites come to the assistance. A Piatibratov. Tekh i vooruzh no 6:34-38 Je '64

Neutron diffraction study of manganese-zinc ferrite. IU.IA Konakhovich, IU G Saksonov. Kristallografiia 8 no.1:25-31 Ja-F '63

Neutron diffraction study of yttrium-neodymium ferrite with a garnet structure. IU.S Kuz'minov, I I.IAmzin, N.V.Belov. Kristallografiia 8 no 1 21-24 Ja-F '63.

Temperature dependence of the magnetization intensity and paramagnetic susceptibility of ferrites with three magnetic sublattices. A A Gusev, A S Pakhomov. Kristallografiia 8 no 1 63-68 Ja-F '63.

FERRITIN

Use of ferroglobulins in electron-optical immunomorphology. IU P Gefman, S M Klimenko. Vest AMN SSSR 18 no 11 61-65 '63

FERROMAGNETISM

Magnetic anisotropic transducers with compensatory winding. G.I.Shevchenko. Izm.tekh. no.5:29-30 My '64.

FERTILIZATION (BIOLOGY)

State of expertise on the fertilization capacity in males. V V Ushakov. Sud -med ekspert 7 no 2 33-36 Ap-Je '64

FERTILIZATION OF PLANTS

Characteristics of the formation of leaf surfaces in self-pollinated lines and hybrid corn. P.G. Luchkov. Uch. zap. Kab. -Balk. gos. un. no. 18:71-75 '63.

Development rate of pollen and male gametophyte in cotton species. V.A Rumi. Uzb biol zhur. 7 no. 1. 40-50 '63.

Effect of the age of pollen and filaments on the yield of corn. B I Gerasenkov. Sbor nauch rab Sib nauch - issl inst sel' khoz no 6 116-117 '61

Importance of the contents of additional pollen tubes and cells of the growing tissues in the formation of cotton hybrids. L.I Gurevich. Agrobiologiia no 3:394-398 My-Je '64

Selectivity of the fertilization of cotton in relation to the age of generative elements. L. Inogamova. Uzb. biol zhur. 7 no. 1 34-39 '63.

Self-pollination of corn with the addition of foreign pollen. M. K. Kerefova, M. D. Shaova. Uch. zap. Kab. -Balk. gos. un. no. 18:61-66 '63.

Significance of foreign pollen in cotton hybridization. D V. Ter-Avanesian. Agrobiologiia no. 3:386-393 My-Je '64.

FERTILIZER INDUSTRY see subdivision under Ukraine

FERTILIZER SPREADERS

Complex of machines for the placement of fertilizers. Trakt i sel'khozmash. no. 6.3-4 cover Je '64.

The RU-4, 0 mineral fertilizer spreader. M. Fatuev, V. Moiseev. Ekon. sel'khoz. 34 no. 12:80-81 D '63.

Testing machines for the placement of mineral fertilizers. T.A.Malykhina, N G. Konev. Trakt i sel'khozmash. no.6 27-29 Je '64.

FERTILIZERS AND MANURES

(see also subdivision under Azerbaijan; United States)

Agricultural problems of the Soviet chemical industry. G.A.Vvedenskii. Mat. i soob Issl. otd Inst. po izuch. SSSR no 53/54.1-18 Ja-F '64

Bel'skii, B.B. [Role of chemistry in the efficient utilization of peat-bog soils] Rol' khimii v effektivnom ispol'zovanii torfiano-bolotnykh pochv. Minsk, Izd-vo "Urozhai," 1964. 36 p. (V pomoshch' izuchaiushchim osnovy agrozookhimii)
(DNAL)

Cheremisinov, G.A. [Use fertilizers wisely; reference book for compulsory education in agricultural chemistry] Razumno ispol'zovat' udobreniia; posobie dlia agrokhimicheskogo vseobucha. Moskva, Rossel'khozizdat, 1964. 60 p. (Khimiia v sel'skom khoziaistve)
(DNAL)

Introduction of chemistry is the path toward attaining high labor productivity. Ekon. sel'khoz. 35 no. 1:11 Ja '64.

Role of fertilizers in creating the material and technical foundation of communism. N S. Avdonin. Vest. Mosk. un Ser. 6: Biol , pochv. 17 no. 2:7-15 Mr-Ap '62.

Steel and bread. L. Lifshits. Sem'ia i shkola 19 no.5: 39-40 My '64.

Urea-formaldehyde condensates as a new type of fertilizers. S A Hordienko. Khim prom [Ukr] no 1:13-16 Ja-Mr '63

FERTILIZERS AND MANURES—HANDLING

Cibils, E. [Fertilizer handling machines] Meslosanas darbu masinas. Riga, Latvijas Valsts izd-ba, 1964. 40 p. [In Latvian]
(DNAL)

FERTILIZERS AND MANURES—TRANSPORTATION

Better use of motortrucks in transporting fertilizers. N Polunin. Avt. transp 42 no 6 15-17 Je '64.

Utilize transportation for delivering mineral fertilizers efficiently. IU Tikhonchuk. Ekon. sel'khoz. 34 no. 12 69-73 D '63.

FESCUE GRASS

Shoot formation and tillering in the meadow fescue (Festuca pratensis Huds.) during its first year of life. T. I. Serebriakova. Biul MOIP. Otd biol 67 no. 6:81-95 N-D '62.

FETUS

Aberrant karyotypes in tissue cells of aborted fetus. IU. L. Menitskii. Vest. AMN SSSR 18 no 12.22-25 '63

Electrocardiogram of the fetus in the process of parturition under normal conditions and in pathology. K V. Chachava, O. N. Budzhiashvili, P. I Kintraia. Soob. AN Gruz. SSR 31 no. 2:481-488 Ag '63.

Immunochemical characteristics of blood serum albumin in dogs during ontogenesis. A.V.Afanas'eva. Biul. eksp. biol. i med. 56 no. 8:54-57 Ag '63.

Insulin function of the mother and fetus. L. L. Liberman, IU.A.IAroshevskii. Biul. eksp. biol. i med. 56 no. 8: 21-24 Ag '63.

Some characteristics of intrauterine development of the moose. A.K. Petrov. Zool zhur. 43 no. 1 125-130 '64.

FETUS—DISEASES

Dynamics of fatty dystrophy of the fetal liver under the effect of tetracycline and the process of its reverse development under experimental conditions. A.I Barkalaia. Pat fiziol. i eksp terap 7 no 6:57-61 N-D '63.

FETUS—INNERVATION

Development of the afferent apparatus in the muscles of the supralingual and sublingual groups in people. L. P. Rybchinskaia. Trudy SMI 15:106-113 '62.

Morphology of the sensory nervous apparatus of the human rectum during the period of fetal development. L. P. Tikhonova. Trudy SMI 15:114-121 '62.

Nervous apparatus of the pharynx and the cervical portion of the esophagus in human fetuses. G S Semenova. Trudy SMI 15:98-105 '62.

FIBERBOARD

More fiberboards for the national economy! O. A. Bochkarev, B. I. Kovalev. Der. prom. 13 no. 3:1-3 Mr '64.

Self-ignition of porous fiberboard. N. P. Smirnova. Sbor. rab. pozh -ispyt sta no. 3:76-77 '63.

FIBRINOLYSIS

Micromethod for determining the fibrinolytic activity of the blood. A. Sh. Vyshevskii. Lab. delo no. 6:340-342 '64.

FIBULA—SURGERY

Indications for surgery on the fibula in the leg stump. L. S. Kofman. Ortop., travm. i protez. 24 no. 12:20-24 D '63.

FIELD CROPS

(see also subdivision under Kabardino-Balkar A. S. S. R.; Kherson Province)

Alabushev, V.A. [Maximum quantity of production from each hectare of plowland] S kazhdogo gektara pashni - maksimal'noe kolichestvo produktsii. [Smolensk, Smolenskoe knizhnoe izd-vo, 1963] 60 p. (Propashnoi sisteme - vysokuiu agrotekhniku)
(DNAL)

Pavlushin, P. IA., ed. [Instructive practices, advice, recommendations] Pouchitel'nye opyty, sovety, rekomendatsii. [Smolensk] Smolenskoe knizhnoe izd-vo 1961. 55 p. (Sel'skokhoziaistvennyi universitet na domu)
(DNAL)

Prutskov, F. M., V. P. Rubtsova, and D. B. Kriuchev. [Plant growing] Rastenievodstvo. Moskva, Izd-vo "Kolos," 1964. 526 p.
(DNAL)

Rozenbaums, A. [Plant growing] Augkopiba. Riga, Latvijas Valsts izd-ba, 1964. 480 p. [In Latvian]
(DNAL)

FIELD CROPS—DISEASES AND PESTS

Small volume blower-type spraying of field crops. S. F. Prokopenko. Zashch. rast. ot vred. i bol. 9 no. 6: 26-27 '64.

FIELD CROPS—FERTILIZERS AND MANURES

(see also subdivision under Siberia, Western)

Gorki. (Mogilevskaya oblast'). Belaruskaia Akademiia sel'skoe haspadarki. [Soil research and the use of fertilizers] Issledovanie pochv i primenenie udobrenii. Minsk, Izd-vo "Urozhai," 1964. 180 p.

FIELD CROPS—IRRIGATION see subdivision under Kulunda Steppe

FIELD CROPS—LABORATORY MANUALS

Maisurian, N. A. [Plant culture; laboratory and field exercises] Rastenievodstvo; laboratorno-prakticheskie zaniatiia. Izd. 5., perer. i dop. Moskva, Izd-vo "Kolos," 1964. 398 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

FIELD EMISSION

Migration of potassium on tungsten in a strong electric field. A. H. Naumovets'. Ukr. fiz. zhur. 9 no. 2.215-220 F '64.

FIELD MICE

(see also subdivision under Siberia)

Intraspecific variability of the red-backed bank vole (Clethrionomys glareolus Schreb.). O. L. Rossolimo. Zool. zhur. 43 no. 5:740-756 '64.

FIELD MICE AS CARRIERS OF DISEASE

Reproduction of leptospirosis in animals by means of enteral infection. V. N. Novikova, I. V. Purlova, E. I Kroka. Trudy TomNIIVS 14:66-88 '63.

The vole Microtus gregalis bank vole Clethrionomys glareolus as experimental Leptospira carriers. L. P. Sagaidak, V. N. Novikova, N. I. Igolkin. Trudy TomNIIVS 14:80-82 '63.

FIGWORT

Anatomic investigation of the vascular equipment in flowers of some species of the families Orobanchaceae and Scrophulariaceae. IA. D. Tiagi. Vest. Mosk un Ser. 6: Biol., pochv. 17 no. 2:20-52 Mr-Ap '62.

Morphology of the fruit of Scrophulariaceae. N. N. Kaden, S. A. Smirnova. Biul. MOIP. Otd. biol. 69 no. 3:72-90 My-Je '64.

FILLERS (CHEMICAL TECHNOLOGY)

Effect of filler dispersity on the hydration solidification of calcium oxide. S. I. Kontorovich. Dokl. AN SSSR 156 no. 2:434-436 My '64.

FILTERS AND FILTRATION

Efficiency of fuel storage filters. IA. V. Chertkov and others. Transp. i khran. nefti no. 3:22-25 '63

Mamontov, K. A. [Removing iron from water in storage installations] Obezzhelezivanie vody v napornykh ustanovkakh. Izd. 2., perer. Moskva, Izd-vo po stroitel'stvu "Stroiizdat," 1964. 93 p.

Reasons for the formation and the character of the distribution of the residual sludge in the layers of the filter medium of the clarifier. IU. I. Kolodnyi. Trudy GISI no. 40:46-52 '61.

Study of the process of contact coagulation and the character of the distribution of sludge in the layers of the filter medium of the contact clarifier. IU. I. Kolodnyi. Trudy GISI no. 40:36-45 '61.

Two-stage hydro-classifier of filtering materials. N. F. Sankin. Trudy GISI no. 40:72-75 '61.

Use of drying oil fogs in studying filtration of aerosols. L. V. Radushkevich, V. A. Kolganov. Zhur. fiz. khim. 38 no. 3:806-808 Mr '64.

Utilizing screened crushed anthracite as a filtering medium in two-layer filters. N. F. Sankin. Trudy GISI no. 40:16-35 '61.

FINANCE

(see also subdivision under Argentina; Mali; Novosibirsk Province; Panevezys, Lithuania; Stavropol Territory; Ukraine)

Against underestimating financial work. A. Krasavin. Fin. SSSR 38 no. 7:50-52 Jl '64.

Discussion results of the regulation draft on financial service in enterprises. I. Gokhman, S. Riumin. Fin. SSSR 38 no. 7:52-55 Jl '64.

New departments are working successfully. Fin. SSSR 38 no. 7:93-94 Jl '64.

New development in financing capital repairs. S. Chernikov. Den. i kred. 22 no. 7:60-66 Jl '64.

Several problems of the science of finance. I. Žiebin. Fin. SSSR 38 no. 7:37-44 Jl '64.

FINANCE—BIBLIOGRAPHY see Bibliography—Finance

FINANCE—CONGRESSES

Conference of financial workers' activist group. Fin. SSSR 38 no. 7:92-93 Jl '64.

Correspondence-school students discuss important economic problems. G. Eremeeva. Fin. SSSR 38 no. 7:89-91 Jl '64.

FINGERPRINTS

Simple radiographic method for dactyloscopic investigations. A.IA.Gel'fman, G.L.Granovskii, L.IA.Kheifets. Atom.energ. 17 no.1:71 '64.

FINGERS—DISEASES

Use of antibiotics in the treatment of specific monarthritis of the fingers (chinga). N.I.Batygina. Khirurgiia 40 no.2:29-32 F '64.

FINISHES AND FINISHING

Ogarkov, N. A., and R. F. Liakhova. [Laboratory experiments for the course on "Science of materials" for finishers] Sbornik laboratornykh rabot po kursu "Materialovedenie" dlia otdelochnikov; metodicheskoe posobie dlia PTU. Moskva, Vysshaia shkola, 1964. 90 p.

Use of a shellac-casein finish for DOL chrome pigskins. V.S.Ostrovs'kyi and others. Leh.prom. no.2:58 Ap-Je '64.

FINLAND—MEDICAL JURISPRUDENCE

Forensic medicine in Finland V.I.Prozorovskii. Sud.-med ekspert 7 no.2:37-40 Ap-Je '64.

FIRE EXTINCTION—WATER SUPPLY

Kuznetsova, A. E. [Water supply for fire extinction] Protivopozharnoe vodosnabzhenie. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 267 p.

FIRE PREVENTION

Lukovnikov, A. V. [Fundamentals of safety engineering and fire-prevention techniques] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Izd-vo "Kolos," 1964. 238 p.

FIRE-TESTING

Investigating the degree of inflammability of the MK-4 rubber roofing in rolls E.N Bakin, V N Eliseev Sbor rab pozh -ispyt sta. no.3.76-80 '63.

FIREARMS—MAINTENANCE AND REPAIR

Standard maintenance for small arms. V, Sarychev, N. Morozov. Tekh. i vooruzh. no.6:42-43 Je '64.

FIREBRICK

Resin-dolomite-magnesite unfired refractories for steel smelting converters with a top oxygen blow A N. Novikov and others Ogneupory 29 no 5 197-200 '64.

FIREBRICK—STANDARDS

[Refractories and refractory products] Ogneupory i ogneupornye izdeliia. Izd.ofitsial'noe. Moskva, Izd-vo standartov, 1964. 467 p. (SSSR. Gosudarstvennye standarty)

FIRST AID IN ILLNESS AND INJURY

Intraosseous introduction of drugs in first aid treatment. B.M.Komissarov, M.A.Sarkisov, K.I.Smolinskii Vest khir 91 no 10:119-120 O '63

FISH, CANNED see subdivision under Gur'yev

FISH, SALT

Technological properties and salting of herring caught on the Georges Bank. N.N.Rulev. Nauch -tekh biul PINRO no. 2/3:63-66 '62.

FISH CULTURE see subdivision under Ust'-Kamenogorsk Reservoir; Volga Delta

FISH INTRODUCTION see subdivision under Crimea

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Borkunov, V. M. [Equipment for the thermal processing of intermediate products in the preparation of sardines] Oborudovanie dlia termicheskoi obrabotki polufabrikatov pri proizvodstvo sardin. Moskva, Rybnoe khoziaistvo, 1963. 56 p. (Mekhanizatsiia i avtomatizatsiia ryboobrabatyvaiushchei promyshlennosti)

FISHERIES

(see also subdivision under Barents Sea; Georgia; White Sea)

Denisov, L. I. [Advanced methods of fishing in inland bodies] Peredovye metody rybolovstva vo vnutrennikh vodoemakh. Moskva, Izd-vo "Pishchevaia promyshlennost," 1964. 62 p. (Tekhnika rybolovstva)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. [Summaries of scientific works of the All-Union Scientific Research Institute of Marine Fisheries and Oceanography] Annotatsii nauchnykh rabot VNIRO po planu 1962 goda. Moskva, 1963. 81 p.

[MICROFILM]

FISHERIES—ECONOMIC ASPECTS see subdivision under Atlantic Ocean; Russia, Northwestern

FISHERIES—FINANCE

Emel'ianov, A. D. [Financing, issuing credit and the analysis of the financial operations of fishing industry enterprises] Finansirovanie, kreditovanie i analiz finansovoi deiatel'nosti predpriiatii rybnoi promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 258 p.

FISHERIES—RESEARCH

(see also subdivision under Atlantic Ocean; Greenland)

Founder of marine fishery research. I. G. IUdanov. Nauch.-tekh. biul. PINRO no. 2/3:6-7 '62.

Introductory address by the Director of the Arctic Scientific Institute of Marine Fisheries and Oceanography A I Strel'bitskii Nauch -tekh biul PINRO no 2/3 3-5 '62

FISHERMEN

[New stars above the sea] Novye zvezdy nad morem. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 46 p.

[MICROFILM]

FISHERY PRODUCTS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Fish and fishery products; auxiliary materials] Ryby i ryboprodukty; vspomogatel'nye materialy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 340 p. (SSSR. Gosudarstvennye standarty)

FISHES see subdivision under Black Sea; Chupa Inlet, Tajikistan

FISHES—CLASSIFICATION

Possibility of applying certain physiological indices in fish classification. K. A. Savvaitova. Vest Mosk un. Ser. 6: Biol., pochv 18 no. 3:25-28 My-Je '63

FISHES—COLLECTION AND PRESERVATION

Review of Yoichi Yoshida's article" A way of making fish specimens with their original body colors kept". V.V. Barsukov. Zool. zhur. 42 no. 12:1890 '63.

FISHES—EGGS

Respiration of eggs of the rainbow trout (Salmo irideus Gibb., 1855). E. A. Baravik. Vestsi AN BSSR. Ser. biial. nav. no. 3:111-115 '63.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD see subdivision under Kuybyshev Reservoir Tsimlyansk Reservoir

FISHES—MIGRATION

Vertical migrations and vertical distribution of salmon in the sea. I. B. Birman. Dokl. AN SSSR 156 no. 2 441-447 My '64.

FISHES—PHYSIOLOGY

Changes in the heat- and cold-resistance of fish tissues as related to the temperature conditions of the environment. G. L. Shkorbatov, G. S. Kudriavtseva. Dokl. AN SSSR 156 no. 2:452-454 My '64.

Possibility of applying certain physiological indices in fish classification. K. A. Savvaitova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:25-28 My-Je '63.

FISHES, FRESHWATER

Dellamure, S. L. [Fishes in freshwater bodies of water] Ryby presnykh vodoemov. Simferopol', Izd-vo "Krym," 1964. 69 p. ("Priroda Kryma")

FISHING—EQUIPMENT AND SUPPLIES see subdivision under Black Sea region

FISHPONDS

Martyshev, F. G. [A short course on pond fisheries] Kratkii kurs prudovogo rybolovstva. Moskva, Vysshaia shkola, 1964. 332 p.

FISSION PRODUCTS

Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions Part 1: Fission of Th^{232} induced by O^{16} and Ne^{22} ions. I. Brandshtetr and others. Radiokhimiia 5 no. 6:715-720 '63.

Further study of the products of iron spallation by 660 MeV protons. A. K. Lavrukhina and others. Radiokhimiia 5 no. 6:721-732 '63.

FISTULA, ARTERIOVENOUS

Characteristics of electroencephalography in hemorrhages from arteriovenous aneurysms. A. N. Konovalov, A. A. Sokolova, T. O. Filler. Zhur. nevr. i psikh. 64 no. 5:654-660 '64.

FISTULA, BILIARY

Choledochoduodenal fistulas. O.K. Skobelkin Vest. khir. 91 no 10:113-114 O '63

Spontaneous internal biliary fistulas. S.G. Orel. Vest. khir 91 no. 10:22-30 O '63.

Surgical treatment of external biliary fistulas. I. L. Bregadze, N. A. Ivanov. Vest. khir. 91 no. 10:16-22 O '63.

FISTULA, BRONCHIAL

Case of broncho-esophageal fistula following bilobectomy and thoracoplasty. IU.A. Muromskii, N.V. Kolerova. Vest. rent. i rad. 38 no. 3:74-75 My-Je '63.

Error in the diagnosis of bronchocutaneous fistula. IU.S. Merkusheva. Vest. khir. 91 no. 10:134 O '63

FISTULA, ESOPHAGEAL

Case of broncho-esophageal fistula following bilobectomy and thoracoplasty. IU A M[illegible]skii N V Kolerova. [illegible] My-Je [illegible]

FISTULA, INTESTINAL

[illegible] t. khir. [illegible]

FLAME

Study of flame ionization by the electrode method. N. A. Nesterko, V.S. Rossikhin, V I Tverdokhlebov. Zhur. fiz. khim. 37 no. 4:940-942 Ap '63.

FLAME HARDENING

Surface hardening with a gas flame. E. N. Raskina. Sbor. st NIITIAZHMASHa Uralmashzavoda no 3 99-108 '64.

FLAME PHOTOMETRY

Effect of an electric fields on the radiation intensity of elements in a flame. N.S Poluektov, L.A. Ovchar. Zhur. fiz. khim. 37 no. 4,817-821 Ap '63

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. [Determination of sodium and potassium ions in natural waters by the method of flame photometry, methodological instructions] Opredelenie ionov natriia i kaliia v prirodnykh vodakh metodom fotometrii plameni; metodicheskie ukazaniia. Moskva, 1962. 16 p.

[MICROFILM]

FLAMINGOS see subdivision under Mangyshlak Peninsula

FLAVONES

Anthocyanins and flavones during the oxidation of ascorbic acid in plants. P. A. Kolesnikov, S. V. Zore. Fiziol. rast. 11 no 3,522-528 '64

FLAVONOIDS

Paper chromatography of anthocyans and flavonoids. G. B. Samorodova-Bianki Fiziol rast 11 no 3 544-546 '64

FLAX

(see also subdivision under Smolensk Province; Tyumen' Province)

Developing the wintering forms of oilseed flax by means of controlled conditioning. N. K. Shimanskii. Agrobiologiia no. 3:461-464 My-Je '64.

FLAX—DRYING

Fire hazards of flax drying kilns. K A. Smirnov. Sbor rab. pozh -ispyt. sta no 3 70-75 '63

FLAX—FERTILIZERS AND MANURES

Effect of nitrogen fertilizers on the dynamics of carbohydrates and nitrogen in flax. L L. Koshaleva. Vestsi AN BSSR. Ser. biial. nav. no. 3:51-58 '63.

FLAX—HARVESTING

Glazkov, IA. S. [170 hectares of flax in three weeks] 170 gektarov l'na - za tri nedeli. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 31 p. (Bibliotechka mekhanizatora)

(DNAL)

FLEAS see subdivision under Azerbaijan

FLIGHT

Study of a bird flight V.E IAkobi Biofizika 9 no. 1: 118-121 '64.

FLIGHT TRAINING

Conducting flights, means... F. Shinkarenko. Av. i kosm. 46 no. 5:13-16 My '64.

Co-pilots should have a potentiality for development. V. Kolodnikov, V. Golubkov. Av. i kosm. 46 no. 5: 36-40 My '64.

Flight instructor and student. N. Vialikov. Av. i kosm. 47 no. 6:21-24 Je '64.

Kropachev trains a young pilot V. Lobov. Av. i kosm. 47 no. 6:17-20 Je '64.

FLOATING CRANES

A 250 ton capacity floating crane. V. A. Tashkinov. Vest. mashinostr. 44 no. 2:29-30 F '64.

FLOOD DAMS AND RESERVOIRS

Choice of effective structures for regulating flood waters. D. D. Kokoshvili. Soob. AN Gruz. SSR 34 no. 1:119-126 Ap '64.

FLOOR COVERINGS

Synthetic rolled floor coverings. D. Airapetov, V. Koshkin, G. Osipov. Zhil. stroi. no. 5:1-3 '64.

FLOORS

Clean floors made of xylolite slabs. V. Chornyi. Sil'. bud. 13 no. 3:18-19 Mr '63.

Floor boards made of wood and fibers. V. Pos'kin. Stroi. i arkhit. 12 no. 5:35 My '64.

FLOORS, CONCRETE

Automatic control of a machine for producing hollow flooring. A. S. Bulatkin. Transp. stroi. 13 no. 12:30-31 D '63.

FLOTATION

(see also subdivision under Krivoy Rog Basin)

Activation of magnetite in soap flotation. F. N. Belash, P. A. Gontarenko. Sbor. nauch trud. KGRI no. 21:235-239 '63.

Flotation of iron oxides from tailings of the magnetic dressing of ferruginous hornblende. B. I. Nikolaenko Sbor. nauch. trud. KGRI no. 21 251-257 '63.

[illegible]

[illegible] ... flour in process with ... V.Z Kozin ... 7 no 4 ;47-155 '64

[illegible] ... structure of ... [illegible] 21 ... '63

FLOUR—MICROBIOLOGY

[illegible] and species of the fungous flora [illegible] T.K Fal'kis? Vest. LGU [illegible] 53 '64.

FLOUR MILLS

(see also subdivision under Leningrad, Moscow)

Make use of the achievements of chemistry at enterprises of the storage and processing [illegible] M Tartakovskii Muk.-elev. prom. 30 no 4 12-15 Ap '64

Technique and technology of processing grain into flour [illegible] A Dardin Muk.-elev. prom. 30 no 4 26-[illegible] '64

FLOWMETERS

Bushilo, V.A. [Methods and equipment for deep-well investigations] Metody i tekhnika glubinnykh issledovanii v skvazhinakh. Moskva, Izd-vo "Nedra," 1964. 108 p

System of automatic information gathering from various flow meters for recording the consumption of oil using impulse code converters G M Sverdlov, B M Kovalenko Mash i neft obor no 1:32-35 '64

FLUID DYNAMICS

[illegible] appearance of a disk [illegible] application of this representation [illegible] of flow about given regions. P.D. [illegible] 19 no.2 193-204 '64.

Distribution of velocities in a plane flow at small depths. L.G.Gagheridze. Soob. AN Gruz. SSR 33 no.1 161-166 Ja '64.

Flow of gas-fluid mixtures in crumbling porous rocks, G.I.Barenblatt. Izv. AN SSSR Mekh.i mashinostr. no.3:47-[illegible] My-Je '64

Heat transfer coefficient in the transition region from convection to boiling during forced liquid motion in channels A A Ivashkevich Teploenergetika 10 no 10 76-78 O '63

Hydraulic resistance of a stationary granular bed. M.E. Aerov. Khim. i tekh. topl. i masel 7 no.10 9-16 O '62. '62.

[illegible] of oil-gas mixtures in pipelines. A.I.Guzhov. [illegible] neft' i gaz 7 no.1,109-111 '64.

Three problems involving vibration of a viscous fluid. N IA Bagaeva, N N Moiseev. Zhur.vych.mat i mat. fiz 4 no 2 317-326 Mr-Ap '64

Viscous fluid flow near angle points of the contour of a solid. G.I.Matkaper. Izv.AN SSSR.Mekh.i mashinostr. no.3:16-20 My-Je '64

FLUID MECHANICS

Experimental investigation of the mechanism of a one-way coalescing displacement from a porous medium of two polar fluids A K Mamedov Izv vys ucheb zav , neft' i gaz 6 no 5 31-35 '63

Investigation of the hydromechanical interaction of phases in a viscoplastic liquid-gas system in the absence of heavy-phase gas flow V D Shevtsov Izv vys ucheb zav neft' i gaz 6 no 5 15 20 '63

Turbulent flow of a fluid in a two dimensional pressure conduit. K.V.Grishanin Trudy LIVT no.46:22-29 '63.

Velocity distribution in certain cases of nonstationary turbulent flows in pipes N.A.Panchurin. Trudy LIVT no.46:38-44 '63.

FLUIDIZATION

Heat exchange between particles and dropping liquid in a fluidized bed IU.N Shimanskii, N.I.Syromiatnikov Khim. i tekh topl i masel 9 no.3:12-17 Mr '64

Intensification of the oxidizing regeneration of aluminosilicate catalysts in a fluidized bed. V.A.Basov, T.Kh. Melik-Akhnazarov, D I.Orochko. Khim.prom. no.4:282-289 Ap '64.

Mechanism of the initial stage of fluidization in conical apparatus. A D.Gol'tsiker, N.B.Rashkovskaia, P G Romankov. Zhur.prikl.khim. 37 no 5:1030-1035 My '64.

Methods and equipment for reducing and controlling carry over gas particles in apparatus with a fluidized bed M I Fridland Neftepер i neftekhim no 7 47-50 '63

Rapid heating of electrical steel in a fluidized bed G.K. Rubtsov, V S.Novov, N.I.Syromiatnikov. Metalloved. i term.obr.met. no.6 40-42 Je '64.

FLUORENE

Cycloalkylation of aromatic compounds Part 26: Cyclohexylation and cyclopentylation of fluorene F M Saidova, N G Sidorova Zhur ob khim 34 no 5 1601-1604 My '64

FLUORESCENCE

Atherosclerosis in the light of ultraviolet fluorescence and histochemical analysis. V Kh.Anestiadi. Trudy Inst klin i eksper.kard AN Gruz.SSR 8:141-146 '63

Rhodamine dyes and related compounds. Part 10: Fluorescence of alkyl- and arylalkyl rhodamine solutions. I.S Ioffe, I.A.Gofman Zhur.ob.khim. 34 no.6 2039-2041 Je '64.

FLUORESCENCE MICROSCOPY

Apparatus for measuring the intensity of fluorescence of a microscopic preparation G S Kikhnadze. Izv.Sib. otd.AN SSSR no 3:124-125 '62.

Effect of some metabolic poisons of the respiratory chain on the ultraviolet fluorescence of cells M.S. Shudel' and others. Dokl.AN SSSR 157 no.2 447-450 Jl '64.

Fluorescence microscopic study of living Paramecium caudatum under normal conditions and during starvation. M.V.Nikolaeva, E.M.Pil'shchik. Sbor.rab.Inst. tsit. no.3:54-61 '63.

Possibility of using fluorescence microscopy for the study of the functional morphology of the ovary [with summary in English] L E.Etingen. Arkh.anat., gist. i embr 44 no 6 80-86 Je '63.

FLUORIDE CRYSTALS

Effect of the nature of the fusing agent on the formation of anomalous mixed crystals CaF_2-CeF_3 and CaF_2-YF_3 K.G.Miakishev, V.R.Klokman. Radiokhimiia 5 no 6:649-655 '63

FLUORIDES

Electrodeposition of antimony from the trifluoride electrolyte. F.I.Zaburdaeva, V.M.Kochegarov, A.N. Kharin. Zhur.fiz.khim 38 no.3:758-760 Mr '64.

FLUORINE

Defluorination of double superphosphate S.I.Vol'fkovich and others. Zhur.prikl khim. 37 no 5:951-954 My '64.

Using fluorine in the manufacture of plate glass. N E. Prodaivoda Stek i ker 21 no.1,33-34 Ja '64.

FLUOROPLAST

Properties of film-forming solutions of organofluorine polymers. Z.V.Shirokshina. Zhur prikl.khim. 37 no.5:1142-1145 My '64.

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUORSPAR

Determining the solubility of fluorite in aqueous electrolyte solutions. I.N.Anikin, A.D.Shushkanov. Kristallografiia 8 no 1:128-130 Ja-F '63.

FLYSCH see subdivision under Belyy Cheremosh Valley; Putila Valley

FOAM

Expulsion of oil from a reservoir with foam. G.K. Maksimovich Neft khoz 41 no 1 39-46 Ja '63

FOAM GLASS see Glass, Cellular

FOAM RUBBER

New standard for planning the production of foam rubber goods. B.Modintsov and others Kauch.i rez 23 no.4:38-41 Ap '64.

FOG

Microstructure measurements by the method of small angles. K.S.Shifrin, V.I.Golikov Trudy GGO no 152 3-15 '64

FOLK ART

Osetrov, E.I. [Tale of the Firebird] Povest' o Zhar-ptitse. Moskva, Izd-vo "Legkaia industriia," 1964. 152 p. illus.

FOLK ART, UKRAINIAN

The Goloveta'k Village in the Skole District of Lvov Province, ethnographic notes of 1958. G.F.Nedashkivs'ka. Mat.z etn.ta mystetstvoznav. no.6:18-34 '61.

FOLK DANCING, HUCUL

Hucul variants of the Russian, Czech and Rumanian dances. R.P.Harasymchuk Mat.z etn.ta mystetstvoznav. no.6:76-104 '61.

FOLK DRAMA, UKRAINIAN

Material on religious folk drama in the collections of the Ukrainian State Museum of Ethnography and Art Industries of the Academy of Sciences of the Ukrainian S.S.R. P.A.TSybenko Mat.z etn.ta mystetstvoznav. no.6 67-75 '61.

FOLK MUSIC see subdivision under Soviet Central Asia

FOLK SONGS, WHITE RUSSIAN

Ledakhovich, E.N., ed. [White Russian folk songs of Grodno Province] Belaruskiia narodnyia pesni Hrodzenshchyny. Minsk, Dziarzh. vyd-va BSSR, Red. muzychnai lit-ry, 1962. 114 p.
(MIDW)

FOLKLORE, GEORGIAN

Virsaladze, Elena, ed. [Selected Georgian folk fairy tales. Izbrannye gruzinskie narodnye skazki. Tbilisi, Sabchota Sakartvelo], 1958. 448 p. [In Georgian]
(MH)

FOLKLORE, KURDISH

Akademiia nauk Armianskoi SSR, Erivan. Sektor vostokovedeniia. [Kurdish folk fairy tales] Kurdskie narodnye skazki. Zapis', predisl. i kommentarii A. Dzhindi. Erevan, 1961-1962. 2 v. [In Kurdish]
(ICU)

FOOD

Effect of some food products and mineral waters on the motor function of the small intestine in chronic colitis A.G.Saakian, L.S.Nanuziashvili. Vop pit 22 no 6 21-26 N-D '63.

Effect of some food products on the motor function of gallbladder. V.D.Makhatadze. Soob. AN Gruz. SSR 31 no 2:463-470 Ag '63.

FOOD—ANALYSIS

(see also subdivision under Georgia; Transcarpathia; Turkmenistan)

Comparison of the 1954 and 1961 editions of tables listing chemical composition and nutritional values of food products A.A.Mazo, L.G.Akhtyrskaia Vop.pit. 22 no.6:74-75 N-D '63.

FOOD—DRYING

Comparative nutritional value of meat dehydrated by thermal atmospheric desiccation and by sublimation V P.Karandaeva. Vop.pit. 22 no.6:13-18 N-D '63.

FOOD—PRESERVATION

Study of the antimicrobic effect of substances, isolated from myrtle, on the microflora of canned food I. V Apliak, H P. Dobtiar'ova. Mikrobiol. zhur. 25 no.6.19-23 '63.

FOOD INDUSTRY

(see also subdivision under Kabardino-Balkar A.S.S.R.)

Export, storage, and processing of grain products in various countries. M.Tartakovskii. Muk.-elev.prom. 30 no.2:32 F '64.

Food industry and chemistry. P.Naumenko. Kommunist 41 no.9:27-34 Je '64.

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

[Equipment of the food industry] Ref.zhur.: Obor.pishch. prom. no.7 Jl '64.

FOOD INDUSTRY—STUDY AND TEACHING

Puchkova, L.I. [Practical laboratory work on the technology of bread baking] Laboratornyi praktikum po tekhnologii khlebopecheniia. Pod red. L.IA. Auerman. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 145 p.

FOOD MACHINERY

Eigenbrot, V.M. [Means of optimalizing control] Sredstva okstremal'nogo regulirovaniia. Moskva, Vses. zaochnyi in-t pishchevoi promyshl., 1963. 21 p.
[MICROFILM]

FOOD POISONING

Characteristics of the course of food poisoning caused by granosan E.M.Bongard, N.C.Lashchenko Vop. pit. 22 no.6 48-52 N-D '63.

Diagnosis of food poisoning caused by Escherichia coli. V.V.Khazanova. Vop.pit. 22 no.6:46-52 N-D '63

Improper use of mixed feeds as the cause of diseases and loss of animals. A M.Rakhmanov. Vest. sel'khoz. nauki [Kazakh] 7 no 6 64-70 Je '64.

FOOT—AMPUTATION

Transastragalar amputation using a medioplantar flap. A.V.Rozhkov. Ortop., travm.i protez. 24 no.12:24-28 D '63.

FOOT-AND-MOUTH DISEASE

Boiko, A.A. [Foot-and-mouth disease and its elimination] IAshchur i ego iskorenenie. Moskva, Izd-vo "Kolos," 1964. 174 p.
(DNAL)

FORAGE PLANTS

(see also subdivision under Baraba Steppe; Kabardino-Balkar A.S.S.R.; Ob' Valley)

Economic valuation of agricultural land based on its feed productivity. I.Zamyslov. Ekon.sel'khoz. 35 no.1:94-99 Ja '64.

FORAMINIFERA, FOSSIL

(see also subdivision under Georgia; Turkmenistan; Ural Mountains)

Foraminiferal genus Monotaxinoides and Eolasiodiscus. V.A.Pogrebniak. Paleont.zhur. no.1:3-9 '64.

Stratigraphic distribution of complexes of Foraminifera in the Upper Cretaceous section of the Tuarkyr region L.A.Tverskaia. Trudy VSEGEI 103:172-177 '63.

FORCED LABOR

Law on correctional labor and pedagogy. N.A.Struchkov. Sov.gos.i. pravo 34 no.5:70-78 My '64.

FOREIGN EXCHANGE
(see also subdivision under European Economic Community Countries)

Brief information on foreign exchange and banks abroad. Den. i kred. 22 no. 6:89-92 Je '64

Brief information on foreign exchange and banks abroad Den. i kred 22 no 7 79-85 Jl '64

FORENSIC PSYCHIATRY

Forensic psychiatric evaluation of stuporous states G. V. Morozov Sud.-med. ekspert 7 no 2 41-44 Ap-Je '64

FOREST ECOLOGY
(see also subdivision under Kirov Province; Ob' Valley, Siberia, Western; Ukraine)

Water balance of soil and seasonal course of photosynthesis and transpiration in tree stands. I. V Gulidova, E V. IUrina Biul MOIP Otd biol. 67 no. 6:102-112 N-D '62

FOREST FAUNA

Salganskii, A. A. [Birds and animals of our forests] Ptitsy i zveri nashikh lesov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 398 p.

FOREST INFLUENCES
(see also subdivision under Kuban)

Effect of tree grooves on crop yields. S L Egorenkov. Vest. sel'khoz. nauki [Kazakh] 7 no 6 91-96 Je '64.

Formulating the problem of studying woody vegetation as a factor of soil formation in the vertical zonality of Kabardino-Balkaria. K. N. Kerefov, K. I. Masliugin. Uch. zap. Kab.-Balk. gos. un. no. 18.59-60 '63.

Importance of the spatial variability of temperature for the study of forest microclimate. L. K. Pozdniakov Izv. Sib. otd. AN SSSR no. 6:93-98 '62.

FOREST INSECTS
(see also subdivision under Darvaza Range; Gissar Range; Kakhetia)

Kostin, I. A. [Stem pests of coniferous forests in Kazakhstan] Stvolovye vrediteli khvoinykh lesov Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 181 p.
(DNAL)

Vorontsov, A. I. [Biological basis of the protection of forests] Biologicheskie osnovy zashchity lesa. Moskva, Vysshaia shkola, 1963. 320 p.
(DNAL)

FOREST INSECTS—EXTERMINATION

Less expensive than spraying. M. G. Kovtun. Zashch. rast. ot vred. i bol. 9 no 6:10 '64.

FOREST MANAGEMENT see subdivision under Czechoslovakia; Moldavia

FOREST MANAGEMENT—EQUIPMENT AND SUPPLIES

Designing the moulboards for forest plows. N. A. Tikhonravov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:20-26 '63.

FOREST REPRODUCTION see subdivision under Borovskoye region (Kustanay Province); Ukraine

FOREST ROADS
(see also subdivision under Karelia)

Effect of a continuous electric current and chemical admixtures on the deformation rate of peat under load. N. P. Kovalenko. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:81-84 '63.

Experimental investigations of the process of moisture migration during the artificial freezing of soils. G. I. Shelopaev. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:85-91 '63

Kishinskii, M. I., B. E. Epifanov, and P. S. Smirennikov. [Use and repair of logging roads] Ekspluatatsiia i remont lesovoznykh dorog. Izd. 2., perer. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 401 p.

Voronitsyn, K. I. [Improving the technology and technique of logging, lumber transportation, and road construction operations] Sovershenstvovanie tekhnologii i tekhniki lesosechnykh, lesotransportnykh i dorozhno-stroitel'nykh rabot. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 33 p. (Lesoekspluatatsiia)
[MICROFILM]

FOREST SOILS

Comparative studies of the microflora of the rhizosphere of woody plants and some characteristics of its carbon metabolism. E. I. Kozlova, IU. A. Gorbenko, V. I. Romanenko. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:35-42 My-Je '63.

Silviculture properties of steppe soils. P. E. Solov'ev. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:59-70 My-Je '63.

FORESTRY RESEARCH

Using electronic computers in forestry research. F. P. Moiseenko, V. D. Areshchenko, N. T. Voinov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:164-168 '63.

FORESTS AND FORESTRY
(see also subdivision under Georgia, Kama Valley; Perm Province; Ural Mountains)

Pushkino. Vsesoiuznyi nauchno-issledovatel'skii institut lesovodstva i mekhanizatsii lesnogo khoziaistva. [Survey of research works completed in 1962] Obzor nauchno-issledovatel'skikh rabot za 1962 god. Pushkino, 1963. 37 p.
[DNAL MICROFILM]

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut lesovodstva i mekhanizatsii lesnogo khoziaistva. [Studying the performance of new machinery in silvicultural work; scientific papers] Issledovanie rabochikh protsessov novykh mashin na lesokul'turnykh rabotakh, nauchnye trudy. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 111 p.

FORESTS AND FORESTRY—VALUATION see subdivision under Kazakhstan

FORGING

Angervaks, A. I., and R. P. Kolesnikov. [Precision flashless die forging of bevel gear] Bezobloinaia shtampovka konicheskikh zubchatykh koles s profilem zuba. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem)

Contact stresses during the hot upsetting of carbon and alloyed steels. M I Pokhevatkin and others Izv vys ucheb zav , chern met 7 no 6 103-108 '64.

FORGING MACHINERY

Dynamic stresses from die forging presses. I. S. Sheinin. Stroi. mekh. i rasch. sooruzh. 5 no. 6.49-51 '63.

FORGING MACHINERY—FOUNDATIONS

Vibration of a forging hammer foundation under central impact. G. IA. Zaidenberg. Stroi. mekh. i rasch. sooruzh. 5 no. 6:45-48 '63.

FORMALDEHYDE

Detoxication of a diphtherial anatoxin. S. M. Preger, T. S. D'iakonova. Trudy TomNIIVS 14:199-201 '63

Effect of temperature, space velocity, and properties of the catalysts on the conversion of methanol to formaldehyde in a fluidized bed. A. I. Vitvitskii, I P Mukhlenov, A IA. Averbukh. Zhur prikl khim. 37 no. 5:984-989 My '64.

FORMAMIDE

Role of paraffin hydrocarbons as antisolvents in the reaction of alkyl benzenes with dimethylformamide. A. M. Zeliznyi, M. M. Prokopets, A. P. Chernlavskaia. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:47-51 '64.

FORMIC ACID

Formation of formic acid during the production of furfurole. I. F. Tumanov, I. I. Skirstymonskaia. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:149-151 '63.

Haloalkyl sulfides. Part 4: Interaction of alkylene sulfides with phosgene and chlorocarbonic esters. G. IU. Epshtein, I. A. Usov, S. Z. Ivin. Zhur. ob. khim. 34 no. 6:1954-1955 Je '64.

FORMS (MATHEMATICS)

Multi-index transportation problem involving axial sums. B. S. Verkhovskii. Dokl. AN SSSR 156 no. 2:282-285 My '64.

FOULING OF SHIP BOTTOMS

Study of the effect of new antifouling paints on the larvae of the polychaete Mercierella enigmatica Fauvel and the young bivalve mollusk Mytilus galloprovincialis L. E. P. Turpaeva and others. Trudy Inst. okean. 70:252-258 '63.

FOUNDATIONS
(see also subdivision under Zaporozh'ye Province)

Effectiveness of using equipment in laying foundations *in large-scale construction*. *E. V. Svetinskii*, *M. I.* Smorodinov. Osn., fund. i mekh. grun. 6 no. 3:20-21 '64.

Preventing the sagging of buildings erected on macroporous soils. S. Golikov. Zhil. stroi. no. 5.25-26 '64

Remarks on the fourth chapter of "Footings and Foundations," edited by N. A. TSytovich. S. G. Kushner. Osn., fund. i mekh. grun. 6 no. 3:27-28 '64.

Settling of a building with an inclined stratification of highly compressible soil at the foundation. I. F. Votiakov. Osn., fund. i mekh. grun. 6 no. 3:18-19 '64.

Stress-strain diagram of reactive pressure under the base of a rigid foundation. E. K. Sedykh. Osn., fund. i mekh. grun. 6 no. 3:8-11 '64.

FOUNDATIONS—BIBLIOGRAPHY see Bibliography—Foundations

FOUNDATIONS—CONGRESSES

Results of an interdepartmental conference on problems of electrochemical stabilization of silty foundation beds for marine hydraulic structures. D. M. Gasanova, A. A. Guseinova. Osn., fund. i mekh. grun. 6 no. 3:30-31 '64.

FOUNDING

Calculating technological conditions for low-pressure casting of thin-walled articles. G F Balandin, E. Ch. Ginl. Izv. vys. ucheb. zav , mashinostr no. 1 193-197 '64

Determining the minimum fluidity of metals and alloys providing for the filling up of foundry molds N I Taran, A IA Khrapov Izv vys ucheb zav , chern met. 7 no 6 149-155 '64

Effect of the solid phase occuring in a melt on the crystallization on metals and alloys G F Balandin, P IU IAkovlev Izv vys. ucheb zav., mashinostr. no 1 101-103 '64

Pipe casting by the cooling-up method. A. I. Veinik, V. I. Tutov. Mashinostroenie no. 1:67-70 Ja-F '64.

Skobnikov, K. M. [Metal economy in foundry practice] Ekonomiia metalla v liteinom proizvodstve. Moskva, Izd-vo "Mashinostroenie," 1964. 137 p.

Straightening castings with local heating L. S Konstantinov, A V Lakedemonskii, A P Trukhov Izv. vys. ucheb zav , mashinostr no. 1 210-214 '61

Technological test for preventing hot cracks in panel castings G. F. Balandin and others. Izv vys. ucheb zav., mashinostr no 1 198-203 '64.

Volpianskii, L. M. [Casting and solidification of metals] Razlivka i zatverdevanie metalla. Izd. 2., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 60 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

FOUNDING—ACCOUNTING

Vasin, F. P. [Characteristics of the accounting, calculation, and analysis of the cost of casting] Osobennosti ucheta, kal'kulirovaniia i analiza sebestoimosti otlivok. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p.

FOUNDING—COSTS

Vasin, F. P. [Characteristics of the accounting, calculation, and analysis of the cost of casting] Osobennosti ucheta, kal'kulirovaniia i analiza sebestoimosti otlivok. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p.

FOUNDING—TESTING

Device for investigating the kinetics of shrinkage of metals and alloys Ali El' Saied El' Ashram, V A. Vasil'ev Izv vys. ucheb zav., mashinostr. no. 1 88-93 '64

FOUNDRIES—EQUIPMENT AND SUPPLIES
(see also subdivision under Chelyabinsk)

Selection of technological flow sheets for working machines and automatic lines in founding. L. E Kisilenko. Izv vys. ucheb. zav , mashinostr. no 1.225-233 '64.

Skobnikov, K. M. [Metal economy in foundry practice] Ekonomiia metalla v liteinom proizvodstve. Moskva, Izd-vo "Mashinostroenie," 1964. 137 p.

FOUNDRIES—MANAGEMENT

Fil', E. V. [Organization of foundries] Organizatsiia liteinykh tsekhov. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 254 p.

FOUNDRY SAND see Sand, Foundry

FOUNDRYMEN—DISEASES AND HYGIENE

State of the general immunobiological reactivity of the body and morbidity among foundry workers. V. K. Navrotskii and others Vest. AMN SSSR 18 no 8 32-41 '63.

FOURIER SERIES

Double Fourier gap series. S. B. Topuriia. Soob. AN Gruz. SSR 33 no. 1:9-14 Ja '64.

Fourier series of continuous functions according to Haar's system. B. U. Golubov. Dokl. AN SSSR 156 no. 2:247-250 My '64.

Generalized Fourier gap series. V. M. Kokilashvili. Soob. AN Gruz. SSR 31 no. 2:257-262 Ag '63.

Stable methods for summing Fourier series. A. N. Tikhonov. Dokl. AN SSSR 156 no. 2.268-271 My '64.

FOXES—FEEDING AND FEEDS
(see also subdivision under Alma-Ata Province)

Sulfur metabolism in foxes and minks. A. L. Paducheva, I. G. Povetskii, M. IA. Shapovalova. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4:120-126 '63.

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTIONS, CONTINUED

Decomposition of algebraic numbers into continued fractions. A. D. Briuno. Zhur. vych. mat. i mat. fiz. 4 no. 2:211-221 Mr-Ap '64.

FRANCE—CHEMISTRY, ORGANIC—SYNTHESIS

Petroleum chemistry in the organic-synthesis industry of France. IU. IA. Turov. Khim. i tekh. topl. i masel 9 no. 6:68-71 Je '64.

FRANCE—COMMUNIST PARTY

In the name of genuine democracy, progress and peace. Waldeck Rochet. Kommunist 41 no. 9:55-78 Je '64.

FRANCE—DEPARTMENT STORES

Trade in France and Belgium. S. Grigor'ev, I. Fel'dman. Sov. torg 37 no. 5 37-42 My '64.

[illegible] England, France, and Italy [illegible] 30 [illegible] '64

FRANCE—FOREIGN RELATIONS—SPAIN

[illegible] Cuadernos [illegible] no. [illegible] 11-13 Jl '64

FRANCE—JULY REVOLUTION, 1830

[illegible] of the French [illegible] O.V.Orlik. Ist.SSSR [illegible] no.1 135-[illegible]

FRANCE—MARITIME LAW

[illegible] Inform. sbor. TSNIIMF [illegible] i prak. no 19 76-77 '63

FRANCE—PETROLEUM CHEMICALS

[illegible] in the organic-synthesis industry of France. [illegible] Khim i tekh topl i masel [illegible] Je '64

FRANCE—PETROLEUM ENGINEERS—EDUCATION AND TRAINING

[illegible] I.I. Azrian. Izv.vys [illegible] '64.

FRANCE—POLITICS AND GOVERNMENT

Fate of French democracy. IU Rubinskii. Nov mir 39 no 10 270-273 O '63

FRANCE—RELATIONS (MILITARY) WITH AFRICA

[illegible] new colonialist striking force. N Paklin. [illegible] 27 30-31 Je '64.

FRANCE—RUSSIANS

[illegible] eyewitnesses of the French [illegible] O.V.Orlik. Ist.SSSR 6 no.1 135-[illegible] '63.

FRANCE—YOUTH

Kazanorov, A.V. [Descendants of the Communards] Potomki kommunarov. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriia. Mezhdunarodnaia, no.14)

FRANKO, IVAN, 1856-1916

Kobylets'kyi, IU.S. [Shevchenko and Franko] Shevchenko i Franko. Kyiv, Derzhlitvydav Ukrainy, 1964. 124 p.

FRANZ FERDINAND, ARCHDUKE OF AUSTRIA, 1863-1914

[illegible] comment. Nov vrem. 21 no.28 3-4 Jl '64.

FREE THOUGHT see subdivision under Lithuania

FREIGHT AND FREIGHTAGE

[Technical and economic problems of developing transportation, transactions of a conference of young specialists] Tekhniko-ekonomicheskie voprosy razvitiia transporta, trudy konferentsii molodykh spetsialistov. Moskva, In-t kompleksnykh transportnykh problem.

No. 3. [Problems of improving the organization of the transportation process] Voprosy sovershenstvovaniia organizatsii perevozochnogo protsessa, 1963. 186 p.

[MICROFILM]

FREIGHT AND FREIGHTAGE—CLAIMS

Liability of sea ports and railroads for the loss of imported freight arriving in a sealed car. K.I. Aleksandrova. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no 19 3-6 '63.

FRENCH LANGUAGE—DICTIONARIES—RUSSIAN

Concerning the French-Russian mining dictionary. IU.G. Komissarin. Shakht stroi 7 no 11.31-32 N '63

FREQUENCY CHANGERS

Collector frequency changer with multiple winding. I A Didorenko. Trudy LVMI 1.120-127 '62

Double-collector frequency changer. I A. Didorenko. Trudy LVMI 1 117-119 '62

Frequency converter. I. Stepin. Radio no. 3.36-37 Mr '64.

Study of the grid circuit of a multistage frequency converter. M M Akodis, M V Gel'man. Izv. vys ucheb zav.; elektromekh 7 no. 4:426-435 '64

FREQUENCY MULTIPLIERS

Frequency multiplier with nonlinear capacitance and high Q circuits. V. A. Dianova and others. Radiotekh i elektron 9 no 6 1078-1081 Je '64

FRESHWATER BIOLOGY

New hydrobiological methods of the improvement of the quality of water and the struggle against biological hindrances in the exploitation of canals and water reservoirs. S. N. Skadovskii and others. Vest. Mosk un. Ser 6. Biol., pochv 18 no. 3 43-46 My-Je '63

Review of James G. Needham and Paul R. Needham's book "A guide to the study of freshwater biology". A. N. Svetovidov. Zool. zhur. 42 no. 2:1890-1891 '63.

FRESHWATER FAUNA see subdivision under Crimea

FRESHWATER FISHES see Fishes, Freshwater

FRESHWATER FLORA see subdivision under Rudakovo, Lake

FRICTION

Dependence of the friction force and friction factor on the closeness of the rubbing bodies. G.IA. Ramishvili. Soob. AN Gruz. SSR 34 no 1 53-60 Ap '64

Electromagnetic devices for determining the coefficient of static friction. A.I. Kuprin, V.V Smorodskii, IU.V. Glinianyi. Izv.vys ucheb zav.; gor.zhur 7 no.4: 138-141 '64.

Feasibility of nonholonomic coupling using the forces of viscous friction. N. A. Fufaev. Prikl. mat i mekh. 28 no. 3:513-515 My-Je '64.

Friction coefficient of the sliding of soil over metal for basic soil types in the U.S.S.R. P U. Bakhtin, V I. Volotskaia, I N Nikolaeva. Trakt i sel'khozmash. no 6 31-33 Je '64

Study of the surface relief of metals subjected to friction with a loose abrasive. R. Abraitis, J. Majauskas. Trudy AN Lit.SSR.Ser.B no.1 207-216 '64.

FROGS

(see also subdivision under Carpathian Mountain region)

Submicroscopic analysis of the genesis of yolk platelets in the oocytes of Rana temporaria. I. B. Tokin. Vest. LGU 19 no. 9.40-44 '64.

FROZEN GROUND

DFM-GPI-1 and DFM-GPI-2 machines for frozen ground. A. F. Nikolaev and others. Stroi. i dor. mash. 8 no.12,5-6 D '63.

Experimental investigations of the process of moisture migration during the artificial freezing of soils. G. I. Shelopaev. Izv. vys. ucheb zav., les. zhur. 6 no. 6:85-91 '63.

Experimental study of the process of cutting frozen ground. A A. Kislenko. Stroi. i dor mash. 8 no 12.8-9 D '63.

Heat engineering calculations for concrete supports erected in a zone of frozen ground. A T. Miagkov. Shakht. stroi 7 no. 11.5-7 N '63.

New machine for working frozen ground by shearing. V. P. Balandin. Stroi. i dor. mash. 8 no.12;7-8 D '63.

FRUIT

(see also subdivision under Dnieper Valley)

Interdependence between the transpiration in leaves and fruit. A A Prokof'ev, K. M Kats. Fiziol. rast 11 no 3 448-456 '64.

Methods for the sanitary and bacteriological examination of vegetables and fruit. L. I Abel'son. Vop. pit. 22 no. 6 68-69 N-D '63

FRUIT—CHEMICAL COMPOSITION

Change in the biochemical indices of tomatoes as a result of vegetative hybridization. A. A. Ananian, E. O. Tarosova, R. E. Varosian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:65-74 S '63.

FRUIT—DISEASES AND PESTS

(see also subdivision under Krasnodar Territory)

Mites on fruits. N. V. Bondarenko. Zashch. rast. ot vred. i bol. 9 no. 6;41-42 '64.

Symposium on the noninfectious diseases of fruit crops. L. I. Chefranova. Zashch. rast. ot vred. i bol. 9 no. 6; 56-57 '64.

FRUIT—MORPHOLOGY

Morphology of the fruit of Scrophulariaceae. N. N. Kaden, S. A. Smirnova. Biul. MOIP, Otd. biol. 69 no. 3;77-90 My-Je '64.

FRUIT CULTURE

(see also subdivision under Kzyl-Orda Province; Moldavia)

Summer work in orchards and berry patches. V. N. Korchagin. Zashch. rast. ot vred. i bol. 9 no. 6;35-37 '64.

FRUIT TREES

Water metabolism and the degree of drought resistance in some fruit trees. M D. Kushnirenko. Fiziol rast 11 no. 3 487-495 '64

FRUNZE—FEED MILLS

Mixed Feed Plant at the Frunze Milling Combine. A. Haigauz. Muk.-elev. prom. 30 no. 2;7-8 F '64.

FUCHSIN

Methodology of determining fuchsin in drug mixtures. IU. M. Sukhlitskaia, N. A. Belevich. Apt. delo 12 no. 2;75-77 Mr-Ap '63.

FUEL

New "Safety regulations for preparing and burning fuels in a pulverized state." Energetik 12 no. 4.29-30 Ap '64

Study of the effect of the coefficient of excess air on the flame length of emulsion burners. V. M. Baboshin. Teploenergetika 10 no. 10:51-56 O '63.

FUEL—ANALYSIS

Separate quantitative determination of SO_2 and SO_3 in the exhaust gases of engines. B. V. Losikov and others. Khim. i tekh. topl. i masel 9 no. 6;44-47 Je '64.

FUNCTIONAL ANALYSIS

Conditional extreme of a functional in Hilbert space in the case of a continuous number of connections. [illegible] TSkirua. Soob AN Gruz SSR 31 no 3 529-[illegible]

Control in the case of small random perturbations by a single switching operation. A. P. Cherenkov. Teor. veroiat. i ee prim. 9 no. 2;303-317 '64.

Finding the best approximation polynomial by the [illegible] of successive approximations. G. P. Akilov, A. M. Rubinov. Dokl. AN SSSR 157 no 3 503-505 Jl '64

Limit theorem for additive functionals of a sequence of sums of independent random variables. M. P. [illegible]niuk. Dop. AN URSR no. 6;698-700 '63.

Some method of solution of nonlinear problems of the mechanics of a deformed body. S. V. Simeonov. Prikl. mat. i mekh. 28 no. 3,418-420 My-Je '64.

Some methods for the evaluation of parameters. I. [illegible] Ibramkhalilov. Dokl. AN Azerb. SSR 20 no. [illegible] '64.

FUNCTIONS

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziki i matematiki. [Studies on boundary value problems in the theories of functions and differential equations] Issledovaniia po kraevym zadacham teorii funktsii i differentsial'nykh uravnenii. Dushanbe, Akad. nauk Tadzhikskoi SSR, 1964. 137 p.

Egorshin, P.I. [Some applications of the derivative, a textbook] Nekotorye prilozheniia proizvodnoi, uchebnoe posobie. Gor'kii, Gor'kovskii inzhenerno-stroit. in-t, 1962. 67 p.

Gurskii, I.P. [Functions and the construction of graphs, a textbook for teachers] Funktsii i postroenie grafikov, posobie dlia uchitelei. Izd. 2., ispr. Moskva, Prosveshchenie, 1964. 216 p.

Optimal factorization of non-negative matrix functions. IU. L. Shmul'ian. Teor. veroiat. i ee prim. 9 no. 2: 382-386 '64.

FUNCTIONS—TABLES, ETC.

Karpov, K. A., and E. A. Chistova. [Tables of Weber functions] Tablitsy funktsii Vebera. Moskva, Vychislitel'nyi tsentr AN SSSR.

Vol. 2. 1964. 340 p. (Matematicheskie tablitsy)

FUNCTIONS, ANALYTIC

"Analytic function theory" [in English] by E. Hille. Reviewed by N. A. Davydov. Zhur. vych. mat. i mat. fiz. 4 no. 2;387-388 Mr-Ap '64.

Analytic mappings and Bergmann's functions. P. Ilasax. Dokl. AN SSSR 157 no. 2;270-280 Jl '64.

Behavior of an analytic function near the boundary of a region. E M. Kegeian. Dokl. AN Arm. SSR 36 no. 5 263-269 '63.

Converging sequences of Blaschke's products. G. TS. Tumarkin. Sib. mat. zhur. 5 no. 1:201-233 Ja-F '64.

Deviation of analytic functions from the mean arithmetic quotients of sums of Faber's series. B. L. Dlatsen. Dokl. AN SSSR, 157 no. 2;250-253 Jl '64.

General boundary value problem of linear conjugation for a circle. I. Kh. Sabitov. Sib. mat. zhur. 5 no. 1:124-129 Ja-F '64.

Riemann - Privalov's boundary value problem for a circle. A. E. Drachinskii. Soob. AN Gruz. SSR 34 no. 1:31-35 Ap '64.

Riemann's homogeneous boundary value problem with an infinite index. N. V. Govorov. Vestsi AN BSSR. Ser. fiz.-tekh nav. no 1.12-17 '64.

Some estimates for holomorphic functions of several complex variables. I. A. Aleksandrov. Sib. mat. zhur. 5 no. 1;3-13 Ja-F '64.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

Certain properties of indefinite integrals and the derivative of an almost periodic S^p-function. O. S. Kovan'ko, L. M. Lisevych. Dop. AN URSR no. 6:705-706 '63.

Estimation of a convolution component. E. A. Nadaraia. Soob. AN Gruz. SSR 34 no. 1.19-24 Ap '64.

Fourier series of continuous functions according to Haar's system. B. U. Golubov. Dokl. AN SSSR 156 no. 2;247-250 My '64.

General methods of "growing factors" and the approximation of unbounded continuous functions by some specific polynomial operators. L. C. Hsu, J. H. Wang. Dokl. AN SSSR 156 no. 2;265-267 My '64.

Linear superpositions of continuously differentiable functions. G. M. Khenkin. Dokl. AN SSSR 157 no. 2 288-290 Jl '64.

Regular solutions to Monge - Ampère equations. I. IA. Bakel'man. Dokl. AN SSSR 157 no. 2;247-249 Jl '64.

Riemann - Hilbert [illegible] is [illegible] ere-[illegible] '64.

[illegible] B. A. [illegible] My '64.

Solution of a nonlinear integrodifferential equation by the method of upper and lower functions. P. K. Zeragiia. Soob. AN Gruz. SSR 34 no. 1:3-10 Ap '64.

Solution of certain matrix inequalities encountered in nonlinear regulation theory. V. A. Iakubovich. Dokl. AN SSSR 156 no. 2;278-281 My '64.

Inequalities for integral functions of finite power in the metric of a generalized Lebesgue space. I I. Ibragimov Dokl AN Azerb SSR 20 no. 4 13-18 '64

Inequalities for positive integral functions in a generalized Lebesgue space D. I Mamedkhanov Dokl AN SSSR no 3 526-528 Jl '64.

Lower order of an integral function of finite deficiency value. A, A Gol'dberg. Sib. mat. zhur 5 no. 1 54-76 Ja-F '64.

Relation between norms with weight of an integral function of finite power on straight lines parallel to the real axis. I. I. Ibragimov, D I. Mamedkhanov Dokl. AN SSSR 157 no. 2;258-261 Jl '64

FUNCTIONS, PERIODIC

Some properties of a linear integral operator with a Hilbert kernel in a generalized Hölder class. A. I Guseinov, Kh. Sh. Mukhtarov. Dokl. AN Azerb. SSR 20 no. 3,3-6 '64.

FUNCTIONS OF SEVERAL VARIABLES

Conjugate orders and types of integral functions of several variables, L.I.Ronkin. Ukr. mat. zhur. 16 no. 3;408-413 '64.

Cylindrical functions of two variables. A S. IUdina. Zhur. vych. mat. i mat. fiz. 4 no. 2;222-231 Mr-Ap '64.

Quasi-smooth functions of two variables. B.D. Kotliar. Ukr. mat. zhur. 16 no. 3;383-385 '64.

Sufficiency of a generalized version of Gronwall's conditions for the nomographic representability of functions of several variables. S. V. Smirnov. Sib. mat zhur. 5 no 1.131-146 Ja-F '64.

FUNERAL RITES AND CEREMONIES see subdivision under Kuznetsk Basin

UNGI—CULTURES AND CULTURE MEDIA

Rhythmic nature of the growth process. V I Kefeli and others. Fiziol rast 11 no 3 496-505 '64.

UNGI, PHYTOPATHOGENIC

Effect of some bacterial filtrates, which cause gummose of stone fruits, on the living cells of the peach. T. A. TSakadze. Soob. AN Gruz. SSR 33 no. 1:205-210 Ja '64.

Strawberry gray mold. I. V. Meshcheriakova. Zashch. rast. ot vred. i bol. 9 no. 6;39 '64.

UNGICIDES

Gar, K. A. [Chemistry protects crops] Khimiia zashchishchaet urozhai. Moskva, Izd-vo "Znanie," 1964. 27 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 12)

UR see subdivision under Kazakhstan

UR—DRESSING AND DYEING

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Materials of the All-Union Interfactory School on the study and generaliza- of experience in color dyeing and refinement of the hair cover of sheep peltries] Materialy Vsesoiuznoi mezhfabrichnoi shkoly po izucheniiu i obobshcheniiu opyta tsvetnogo krasheniia i oblagorazhivaniia volosianogo pokrova mekhovoi ovchiny. Moskva, 1963. 30 p. [MICROFILM]

UR-BEARING ANIMALS

(see also subdivision under Chukchi National Area)

Blood picture in fur-bearing animals as related to age and sex. L. G. Utkin. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4:83-112 '63.

URALDEHYDE

Characteristics of a furfurole-acetone monometer. G. K. Utkin, V. N. Kozlov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6;142-148 '63.

Formation of formic acid during the production of furfurole. I. F. Tumanov, I. I. Skirstymonskaia. Izv. vys. ucheb. zav., les zhur. 6 no. 6;149-151 '63.

Use of furfuramide in plant growing. B. M. Aniukhin, R. Sh Derev'ianko. Khim. prom. (Ukr.) no. 1.82-83 Ja-Mr '63.

URALDEHYDE—CONGRESSES

Much interest aroused by problems of the furfurole production. Gidroliz. i lesokhim. prom. 17 no. 4;28-30 '64.

URALDEHYDE—PHYSIOLOGICAL EFFECT

Changes in succinic dehydrogenase activity at various developmental stages of intestinal coccidia of rabbits due to the effect of furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3:70-74 '63.

Susceptibility of different developmental stages of intestinal coccidia of rabbits to furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3;62-69 '63.

URAN

Acylation of furan derivatives in the presence of iron and iron chloride. G. G. Galust'ian, I P. TSukervanik Zhur. ob. khim. 34 no. 5:1478-1480 My '64.

Furan series. Part 32: 5-Nitro-2-halomethylfurans in the synthesis of 5-nitro-2-furfurylamines. K. IU. Novitskii, G. T. Khachaturova, IU. K. IUr'ev. Zhur. ob. khim. 34 no. 6;1807-1809 Je '64.

Part 2 Derivatives of 2-amino- and 2-hydrazino-4-(5'-nitro-2'-furyl) thiazoles N O Saldabol, A IA Medne, S. A. Giller Zhur. ob khim 34 no 5 1598-1601 My '64

Synthesis of substituted 4-hydroxy-3-cyanotetrahydrofurans. T. A. Favorskaia, G M Tolstopiatov. Zhur. ob. khim. 34 no. 6;2091 Je '64.

FURFURYL ALCOHOL

Furylalkynes Part 1 Synthesis and some properties of furylacetylenic alcohols and glycols L I Vereshchagin and others Zhur ob khim 34 no 5 1419-1427 My '64

FURFURYLAMINE

Furan series Part 32· 5-Nitro-2-halomethylfurans in the synthesis of 5-nitro-2-furfurylamines. K. IU. Novitskii, G. T. Khachaturova, IU. K. IUr'ev. Zhur. ob khim. 34 no 6;1807-1809 Je '64.

FURMANOVO DISTRICT—LEPTOSPIRA

Materials on the examination of wild rodents as Leptospira carriers in the sands of the Volga-Ural interfluve. IA A. Blagodarnyi, G P. Ponomarenko. Izv. AN Kazakh. SSR. Ser. med. nauk no 1,100-106 '64.

FURMANOVO DISTRICT—RODENTS AS CARRIERS OF DISEASE

Materials on the examination of wild rodents as Leptospira carriers in the sands of the Volga-Ural interfluve. IA. A. Blagodarnyi, G. P. Ponomarenko. Izv. AN Kazakh. SSR. Ser. med nauk no. 1;100-106 '64.

FURNACES

Controlling temperature in gas furnaces, exchange of experience. A. A. Shmonin. Gaz. prom. 8 no. 1;37 '63.

Heat distribution in rods (pins) for fastening the lining of furnace heat screens IU. L. Marshak. Teploenergetika 10 no. 10 16-51 O '63

Semi-industrial experimental cyclone furnace stand of the Institute of Power Engineering of the Academy of Sciences of the Georgian S.S.R. and preliminary experiments on the burning of mazut in a cyclone combustion chamber. A. G. Zhorzholiani, O. N. Chipashvili. Trudy Inst. energ. AN Gruz. SSR 17;245-256 '63.

Two-step burning of coal. V. V. Luk'ianov. Elek. sta. 35 no. 4 15-17 Ap '64.

FURNACES, HEAT-TREATING

From the All-Union Exhibition of the Achievements of the National Economy. G. U. Dashevskaia. Metalloved. i term. obr. met. no. 6 51-52 Je '64.

FURNACES, HEAT-TREATING—PROTECTIVE ATMOSPHERES

Parameters of endothermic controlled atmospheres for the heating for hardening of chromium steels. B. E. Sheindlin, V. V. Chekanskii. Metalloved. i term. obr. met. no. 6;37-39 Je '64.

FURNACES, HEATING

Rapid heating of electrical steel in a fluidized bed. G. K. Rubtsov, V. S. Nosov, N. I. Syromiatnikov. Metalloved. i term. obr. met. no. 6;40-42 Je '64.

FURNITURE

(see also subdivision under Vologda Province)

Morushkin, G. V. [Synthetic films in the manufacture of furniture] Sinteticheskie plenki v proizvodstve mebeli. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no. 2)

FURNITURE INDUSTRY

(see also subdivision under Moscow; Novgorod)

From foreign experiments in the use of polypropylene in the manufacture of furniture parts. I. M. Karel'shtein, A. N. Orlov. Der. prom. 13 no. 3;30-31 Mr '64.

Golikov, V. I., and Z. F. Resina. [Intensification of veneering and gluing operations in the manufacture of furniture] Intensifikatsiia faneroval'nykh i skleechnykh rabot v proizvodstve mebeli. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 119 p.

batyvaiushchei promyshl., 1963. 43 p. (Dreevoobrabotka)

[MICROFILM]

FUSED SALTS

Calculation of the surface tension of liquids from the excess isochore-isoterm potential. Part 2. V. V. Pavlov, S. I. Popel', O. A. Esin. Zhur. fiz. khim. 37 no. 4;797-801 Ap '63.

of anomalous mixed crystals CaF_2-CeF_3 and CaF_2-YF_3 K. G. Miakishev, V R. Klokman. Radiokhimiia 5 no 6;649-655 '63

Investigating the decarburizing effect of medium temperature salt baths E. A Smol'nikov Metalloved i term obr. met. no 2;44-48 F '64.

Polarography of melts using a bismuth dropping electrode I. I. Naryshkin, L A. Gavrilov Zhur prikl. khim 37 no 5;1130-1132 My '64.

GADOLINIUM NITRATES

Paramagnetic relaxation in gadolinium nitrate solutions. G P. Vishnevskaia. Dokl AN SSSR 157 no. 3 650-652 Jl '64

GALANTHAMINE

Effect of nivaline on the phagocyte activity of the blood leucocytes B D Stanchev, TS Takeva. Farm i toks 26 no 1 72-75 Ja-F '63

GALL GNATS

Gall gnats of the U.S.S.R. Report No. 4: New species of the tribe Lestremiini (Itonididae, Diptera). B. M. Mamaev. Zool. zhur. 43 no. 5;776-779 '64.

GALLBLADDER—DISEASES

Acute phlegmonous cholecystitis in an 11-year-old boy IU B. Zherebitskii. Vest khir 91 no 10 99-100 O '63

Changes in the cholesterol and lecithin amount of blood serum in patients with cholecystitis and liver cirrhosis V A. Aladashvili, O G Abuladze, L T Vasil'eva Soob. AN Gruz SSR 31 no 3 745-748 S '63.

Choledochotomy in chronic and acute cholecystitis. B. A. Petrov, E. I. Gal'perin. Khirurgiia 40 no. 2· 58-65 F '64.

Nonperforated biliary peritonitis B. A Landa Vest khir 91 no. 10·115-116 O '63

Pathogenesis of myocardial dystrophy in chronic irritation of the gallbladder. K. I. TSintsadze and others. Trudy Inst. klin. i eksper. kard AN Gruz. SSR 8;301-314 '63.

GALLBLADDER—MOTILITY

Effect of some food products on the motor function of gallbladder. V. D. Makhatadze. Soob. AN Gruz SSR 31 no. 2;463-470 Ag '63.

GALLBLADDER—RADIOGRAPHY

Methods of the contrast X-ray examination of the gall bladder in dogs V. K Khokhlachev, B S Kashintsev, I L Rudakov Zap Vor sel'khoz inst 17 no 2 247-252 '62

GALLBLADDER—SURGERY

Acute phlegomonous cholecystitis in an 11-year-old boy IU B Zherebitskii Vest. khir 91 no 10 99-100 O '63.

Large cystic duct stump and its significance in the occurrence of the so-called postcholecystectomy syndrome. V M Sitenko, L. E. Konstantinova. Vest. khir 91 no 10.12-18 O '63.

Primary inflammatory and cicatricial narrowing of the hepatocystic duct A. V. Bel'skii Vest khir. 91 no. 10: 30-34 O '63

Surgical treatment of external biliary fistulas. I. L. Bregadze, N. A. Ivanov. Vest khir. 91 no. 10;18-22 O '63

GALLBLADDER—WOUNDS AND INJURIES

Avulsion of the gallbladder, lesions of the liver, and the small and large intestine in closed injury. L. A. Movchaniuk Vest. khir. 91 no 10 112-113 O '63.

GALLIUM

Selecting the method of extraction of gallium during the process of a complex treatment of alunites. G B. Shakhtakhtinskii, E. A. Dzhafarov, G A. Shakarov. Dokl AN Azerb SSR 20 no. 4;39-43 '64

GALLIUM ALLOYS

Study of alloys of the system gallium - gallium phosphide. L. I. Marina and others. Zhur. fiz. khim. 38 no. 3; 551-555 Mr '64.

GALLIUM-ANTIMONY-INDIUM ALLOYS see Indium-gallium-antimony alloys

GALLIUM ARSENIDE CRYSTALS

Transfer effects in $A^{III}B^{V}$ type compounds. IU. M. Burdukov and others. Izv. AN SSSR. Ser. fiz 28 no. 6; 951-958 Je '64.

GALLIUM ARSENIDE CRYSTALS—THERMAL PROPERTIES

Heat conductivity of alloyed gallium arsenide. M. I. Aliev, G. T. Akhmedli. Izv. AN SSSR. Ser. fiz. 28 no. 6;977-979 Je '64.

GALLIUM PHOSPHIDE

Some properties of solid solutions on the basis of gallium phosphide. V. V. Negreskul, S. I. Radautsan. Izv. AN SSSR. Ser. fiz. 28 no. 6;1002-1006 Je '64.

Study of alloys of the system gallium - gallium phosphide. L. I. Marina and others. Zhur. fiz. khim. 38 no. 3; 551-555 Mr '64.

[illegible] characteristics of laminar gallium phosphide crystals. A, S, Borshchevskii and others. Izv. AN SSSR. Ser. fiz. 28 no. 6 985-988 Je '64.

GALLIUM SELENIDE

Interaction of $A^{III}_2B^{VI}_3$ type cerium and gallium selenides. G. Kh. Efendiev, Z, Sh, Karaev, I. O. Nasibov, Izv. AN SSSR, Ser. fiz. 28 no. 6, 1103-1106 Je '64.

GALLIUM-TELLURIUM ALLOYS—ELECTRIC PROPERTIES

Some electric and photoelectric properties of single crystals of the system Ga - Te. V, I Gramatskii, V, P, Mushinskii, Izv AN SSSR, Ser fiz. 28 no. 6 1077-1079 Je '64.

GALLIUM-TELLURIUM ALLOYS—PHOTOELECTRIC PROPERTIES

Some electric and photoelectric properties of single crystals of the system Ga- Te. V. I Gramatskii, V. P. Mushinskii, Izv. AN SSSR, Ser. fiz, 28 no. 6: 1077-1079 Je '61

GAMARNIK, IAN BORISOVICH, 1894-1937

Bolshevik IAn Gamarnik. IA. Gorelik. Sov. voin 46 no. 11,25 Je '64,

Loyal fighter of the Leninist party, on the 70th anniversary of the birth of IA. B. Gamarnik. D. Borisov. Komm. Vooruzh. Sil 4 no. 10-88-90 My '64.

GAMES, THEORY OF

Electronic model of a game. V. A Ganzen. Nerv sist. no. 3:191-194 '62.

Significance of dynamic programming and the theory of games for physiology. P. I. Guliaev Nerv. sist. no. 3:177-189 '62.

GAMMA GLOBULIN

Use of ferroglobulins in electron-optical immunomorphology. IU P. Gofman, S M Klimenko. Vest AMN SSSR 18 no. 11:61-65 '63

GAMMA GLOBULIN—PRESERVATION

Effect of the duration of storage on the virus-neutralizing activity of gamma globulin in tick-borne encephalitis. V. G. Mekhanikova and others. Trudy TomNIIVS 14:245-246 '63.

GAMMA-RAY SPECTROMETRY

Use of the method of air-borne gamma-spectrometry in studying the radioactivity of granitoid intrusives L. I Boltneva and others. Izv AN SSSR Ser geofiz no 6, 858-871 Je '64

GAMMA RAYS

Decomposition of ammonia by γ-rays. IU. A. Sorokin, S. IA. Pshezhetskii. Zhur. fiz. khim 38 no. 3:798-801 Mr '64.

Gamma-radiation field of a radioactive contamination surface in an area of the lowest layer of the atmosphere. IU. A. Izrael', Izv. AN SSSR. Ser geofiz. no. 7:1103-1115 Jl '64.

Gusev, N. G., V. P. Mashkovich, and B. V. Verbitskii. [Radioisotopes as gamma emitters] Radioaktivnye izotopy kak gamma-izluchateli. Moskva, Atomizdat, 1964. 277 p.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Effect of gamma irradiation on the auxotrophic mutants of Escherichia coli under the conditions of changing synthetic activity. A. O. Skavronskaia and others. Radiobiologiia 3 no. 6, 858-865 '63.

Frequency of the development of myeloid leukemia in mice in relation to the doses of external gamma irradiation. R. V. Smirnov. Vop. onk. 8 no. 10:59-64 '62.

Nature of the spectra of electron paramagnetic resonance of amino acids and proteins subjected to γ-irradiation and light. M. K. Pulatova, O A Azizova Biofizika 9 no. 1 33-39 '64.

Qualitative analysis of some characteristics of the yeast cell restoration after irradiation. V. S. Barsukov. Radiobiologiia 3 no. 6 795-802 '63.

Radioresistance of Escherichia coli cultivated under the influence of continuous gamma irradiation. V. D. Zhestianikov. Radiobiologiia 3 no. 6:847-854 '63.

Relative biological effectiveness of gamma rays as compared with the action of X rays on the human cell nucleus in tissue culture. N. P. Dubinin, L. G. Dubinina. Radiobiologiia 3 no. 6:833-846 '63.

Reparation of chromosome injuries in resting liver cells of rats subjected to chronic gamma irradiation. G. F. Palyga, S. P. IArmonenko, I. M Shapiro. Dokl AN SSSR 157 no. 2 460-463 Jl '64.

GARAGES—EQUIPMENT AND SUPPLIES

Berezkin, V. I., and K. A. Krasnov. [Equipment for garages and service stations] Oborudovanie dlia garazhei i stantsii obsluzhivaniia avtomobilei. Izd. 2., perer. i dop. Moskva, Transport, 1964. 462 p.

Efficient method for calculating technical norms with an accuracy up to 0,5 cm. Sh. N. Zilbershtein, E. O. Bogdanova. Leh. prom. no. 2:49-50 Ap-Je '64

GARMENT CUTTING—EQUIPMENT AND SUPPLIES

Transparent plane table for measuring pattern areas. O. V. Kisel'ov. Leh. prom. no. 2:50-51 Ap-Je '61.

GARNET—CLASSIFICATION

Classification of rock-forming garnets. N V Sobolev Dokl AN SSSR 157 no 2 353-356 Jl '64.

GAS see subdivision under Brazil; Kazakhstan

GAS—COMBUSTION

Combustion of hydrocarbon gas in a vertical column in a free stream. N. V. Arseeva, B. I. Kitaev Gaz. delo no. 5 33-39 '64

GAS, NATURAL

(see also subdivision under Gazli Gas Field; Rumania)

December Plenum of the Central Committee of the CPSU and problems in the further development of the production of casing head gas. S. A. Orudzhev. Neft. khoz. 42 no. 3:1-5 Mr '64.

Determining the integral throttle effect of natural gas. B. L. Krivoshein, I. E. Khodanovich. Gaz. prom. 8 no. 1:47-51 '63.

Gas resources and gas production in the capitalist countries Gaz. prom. 8 no 3:48-52 '63

Joyous holiday of the Soviet people. Stroi. truboprov. 8 no. 11:1-3 N '63.

Pyrolysis of casing head gas. I. M. Starshov, R. K. IAkupova Nefteper. i neftekhim. no 6:13-16 '63.

Using Leibenson's transformation to process pressure build-up curves in gas wells. K. S. Basniev, G. P. TSybul'skii. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1: 35-38 '64.

GAS, NATURAL—ANALYSIS

Device for the continuous determination of the moisture content of natural gases A. K Karpov and others Gaz prom 7 no. 4 37-43 '62

Operation of KhT-2M chromathermograph. I Rokhlina. Gaz delo no 4:36-38 '64

TP-1120 gas analyzer. I. V. Zhdanov. Mash. i neft. obor. no. 11:24-25 '63.

GAS, NATURAL—COMBUSTION

Test characteristics of certain burners for the combustion of natural gas G G Traianov, K M Pakhaluev, E P. Blokhin Gaz prom 7 no 4 23-28 '62

GAS, NATURAL—GEOLOGY

(see also subdivision under Anastasiyevka-Troitskoye Oil Field; Azerbaijan; Caspian Sea region; Caucasus; Kuban; Moldavia; Pechora Valley; Shebelinka Gas Field; Shemakha region, Azerbaijan; Taman' Peninsula; Timan Ridge; Volga-Ural region; Volga Valley)

Basic results of prospecting for oil and gas in the U. S. S. R. in the first four years of the seven-year plan N. I. Buialov, V G. Vasil'ev, N. D. Elin Neftegaz. geol i geofiz. no. 4:3-13 '63

Determining the saturation of gases dissolved in reservoir waters. I. K Zerchaninov. Gaz. prom. 8 no. 3: 1-5 '63.

GAS, NATURAL—PIPELINES

(see also subdivision under Kiev; Krasnodar; Orel; Yakutia)

Agre, V. L., and N. A. Shevchenko. [New gas pipelines in the Soviet Union] Novye gazoprovodnye truby v SSSR. Moskva, Izd-vo Metallurgiia, 1964. 30 p.

Brief news. Gaz. prom. 8 no. 1:54-55 '63.

Calculating the effect of gas-consumption conditions in the design of gas pipelines. I. IA. Furman Gaz. prom. 8 no. 3:42-43 '63.

Certain contradictions in the planning of gas supply systems. V. A. Smirnov and others. Gaz. prom 7 no 12: 23-26 '62.

Certain features of return mechanisms in gas pipelines. A. M. Birman, L. I. Ulitskii. Gaz. prom. 7 no. 12:26-30 '62.

Comparative features of twin and single-shaft gas-turbine units to drive pumps in compressor stations. B. S. Revzin Gaz. prom. 7 no. 12:43-49 '62.

Conference in Bryansk. Zhil.-kom. khoz. 13 no. 9:28 S '63.

Constant monitoring of the insulation of underground gas mains R. R Ter-Oganesian. Gaz. prom. 7 no 4 43-47 '62.

Designs for gas distribution and compressor stations. M. A. Nechaev. Gaz. prom. 7 no. 12:51-53 '62.

Effect of automation and remote control on the reduction of the cost of gas transportation. B. I. Samoilovich. Gaz. prom. 7 no. 12:48-51 '62.

Evaluating the efficiency of the operation of the compressor stations of gas pipelines. A. V. Aleksandrov, V. D. Dobrokhotov. Gaz. prom. 8 no. 1:40-46 '63.

Installation of stations for the drainage protection of gas pipelines E A Nikitenko. Zashch. trub. ot kor. no. 5:12-16 '62

New method for cutting into asbestos-cement gas pipelines V V Tarkhanov, N A Astaf'ev Gaz delo no 4:16-20 '64

Optimal parameters of multiple gas pipelines V. I Gorodetskii, R. IA Pechenikov, S G. Rabicheva Gaz prom 7 no 4 48-49 '62

Pressure losses in gas condensers and the communications of compressor stations. V. S. Burnykh, M F. Tkachenko Gaz. delo no. 5 12-15 '64.

Prospects for the development of the production of gas in Armenia. I. G. Papiev. Gaz. prom. 8 no. 1,22-24 '63.

Starting and self-starting of the AF3-4500-1500 electric engine with a shortened rotor A. N. Kornieta Gaz. prom 8 no. 3:40-42 '63.

Still another new gas pipeline. A. N. IUryshev, N. A. Sluchanko. Stroi. truboprov. 8 no. 11:4-7 N '63.

Using electric models for calculating low pressure gas networks. S. V. Gerchikov. Stroi. truboprov. 8 no. 11: 26-27 N '63.

GAS, NATURAL—PIPELINES—DESIGN AND CONSTRUCTION

Results of building the first line of the Bukhara-Ural gas pipeline. A. A. Smirnov. Stroi. truboprov. 8 no. 11:20-21 N '63

GAS, NATURAL—PRICES

Improving wholesale commercial prices for gas. K. G. Gofman Gaz. prom 7 no. 12:30-35 '62.

GAS, NATURAL—PROCESSING

Imparting odor to gases V. I Gordienko Gaz. delo no 4:15-16 '64.

Methods and equipment for reducing and controlling carry over gas particles in apparatus with a fluidized bed M I Fridland. Nefteper i neftekhim no 7 47-50 '63

Transformation of sulfur compounds with the formation of carbon on a carbon surface R Z. Magaril, E I Aksenova, R. P Terekhova. Gaz prom 7 no. 4.50-54 '62

GAS, NATURAL—SEPARATION see subdivision under Komi A.S.S.R.

GAS, NATURAL—STORAGE

Economic indices in the underground storage of gas in water-bearing reservoirs. N S. Erofeev, I IA Furman. Gaz. prom. 7 no 12:38-43 '62

It is necessary to improve the design solutions of condensation tanks. O. N. Zhat'ko. Stroi. truboprov. 8 no. 11:18-20 N '63.

GAS, NATURAL—TRANSPORTATION see subdivision under Komi A.S.S.R.

GAS AS FUEL

(see also subdivision under Armenia; Soviet Central Asia)

Calculating heat exchange in cooled gas combustion chambers. S. N. Shorin, O. N. Chipashvili. Gaz. prom. 8 no. 1:29-34 '63.

Heat test of steam boilers operating on gas fuel. Gaz. prom. 8 no. 1:25-29 '63.

GAS BURNERS

Calculating hearth burners operating without blast. A. E. D'iakonov. Gaz. prom. 8 no. 1:35-36 '63.

Design of a gas burner for heating boilers. L. V. Ershov, IA. S. Zalmanzon Gaz. prom. 7 no 4 18-22 '62.

Multinozzle natural gas burner. V. P. Pochtar'. Prom. energ. 19 no. 6 22-23 Je '64.

Results of testing heat processes in open-hearth furnaces heated by gasified mazut A G. Kapichev and others. Izv. vys. ucheb. zav., chern. met. 7 no. 6:173-178 '64

Test characteristics of certain burners for the combustion of natural gas. G G. Traianov, K M. Pakhaluev, E P. Blokhin. Gaz prom. 7 no. 4 23-28 '62

Testing a water heater with an improved gas burner and with a radiator insert. N M. Piatyshkin, A. A. Liakh. Gaz. prom 7 no. 4,28-30 '62.

GAS CHROMATOGRAPHY

Analyzing vinyltoluene by mass-spectrometry and gas-liquid chromatography. A. N. Aleksandrov and others. Khim. i tekh. topl. i masel 9 no. 6:64-67 Je '64.

Gas chromatographic determination of hydrogen bonding energy in adsorption layers. L. D. Beliakova, A. V. Kiselev, N. V. Kovaleva. Dokl. AN SSSR 157 no. 3, 646-649 Jl '64.

Study of molecular interaction as applied to the analysis of hydrocarbon mixtures. Part 1: Diethylamides and tetraethylamides of some carboxylic and dicarboxylic acids as stationary phases. F. F. Cheshko, V. E. Azen. Zhur. ob. khim. 34 no. 6:1843-1848 Je '64.

GAS CONDENSERS

Pressure losses in gas condensers and the communications of compressor stations. V. S. Burnykh, M. F. Tkachenko. Gaz. delo no. 5:12-15 '64.

Standards for the consumption of liquid gas in the home in rural areas. S Shimel'fenig Zhil -kom khoz 13 no 10 25 O '63

GAS DISTRIBUTION
(see also subdivision under Georgia; White Russia)

Hydraulic calculation of annular gas networks on a d c electric model D L Chernov Gaz prom 7 no 4 30-34 '62

Methodology for determining the accumulating capacity of the terminal sector of a gas pipeline. E. E. Verdiian. Izv. AN Arm. SSR, Ser. tekh. nauk 17 no. 2.3-10 '64

Sedlukha, G. A., and O. M. Fridman. [Earthwork during the construction of city gas lines] Zemlianye raboty pri stroitel'stve gorodskikh gazoprovodov. Leningrad, Izd-vo "Nedra," 1964. 137 p. (Biblioteka mastera gazovogo khoziaistva)

Smirnov, V. A. [Technical economic base for gas-distribution systems] Tekhniko-ekonomicheskoe obosnovanie skhem gazosnabzheniia. Moskva, Stroiizdat, 1964. 187 p.

Stolpner, E. B., and R. I. Esterkin. [Adjustment and operation of the gas supply systems of boilers] Naladka i ekspluatatsiia sistem gazosnabzheniia kotel'nykh ustanovok. Izd. 2., perer. i dop. Leningrad, Izd-vo "Nedra," 1964. 359 p.

GAS DISTRIBUTION—FINANCE

Using a typical method for determining the economic efficiency of capital investments in the technical and economic analysis of designs of city gas-supply systems IA M. Torchinskii Gaz delo no. 1 32-35 '64.

GAS DYNAMICS

Approximate method for the calculation of the thermodynamic functions of diatomic ideal gases at high temperatures taking the higher anharmonicity constants into account. B. I. Brounshtein, G. N. IUrkov Zhur fiz. khim. 36 no. 6:1191-1197 Je '62.

Calculation of supersonic axisymmetric jets. T. G. Volkonskaia Sbor rab VTS MGU 2:76-83 '63.

Design of axisymmetric nozzles with allowance for equilibrium physicochemical transformations. U. G. Pirumov, V A. Rubtsov, V. N. Suvorova. Sbor. rab VTS MGU 2 46-60 '63

Gas-dynamic phenomena in potash mines. M. A. Patrushev. Sbor. trud. Inst. gor. dela AN URSR no. 13:105-112 '63.

Plotting on a p. v. diagram the energy change in ideal gas processes. IU. A. Magnitskii. Izv. vys. ucheb. zav., energ 7 no. 5:121-122 My '64.

Review of papers on the calculation of steady axisymmetric gas flows completed at the Computing Center of Moscow State University G. S. Roslikov, G. F. Telenin. Sbor. rab VTS MGU 2,5-19 '63.

GAS FIELDS—EQUIPMENT AND SUPPLIES

[Electric equipment for oil and gas fields] Elektrooborudovanie neftianykh i gazovykh promyslov. Moskva, Izd-vo "Nedra," 1964. 303 p. (Biblioteka energetika-neftianika)

GAS FLOW

Bodies with minimum wave resistance in an inhomogenous oncoming gas flow. A. V. Shipilin. Prikl. mat. i mekh. 28 no. 3.543-547 My-Je '64.

Calculation of an equilibrium dissociating gas flow behind a frontal shock wave past blunt-edged bodies. O. M. Belotserkovskii, M. M. Golomazov, N. P. Shulishnina. Zhur. vych. mat. i mat. fiz. 4 no. 2;306-316 Mr-Ap '64.

Experimental unit for modeling fluid flow through porous media. I. S. Sandskhchiev, A. IU. Kholodniak, A. V. Ermanova. Trudy Turk. fil. VNII no. 6;82-86 '63.

Heat transfer from a gas flow in pipes with large fittings. A. M. Sycheva, N. N. Egorov. Khim. i tekh. topl. i masel 9 no. 5.53-57 My '64.

Helical motion of a conducting gas between coaxial permeable cylinders in the presence of a longitudinal electric field. I. B. Chekmarev, I. I. Shakhnov. PMTF no. 6;3-6 N-D '63.

Measuring the liquid-drop carry-off by a gas flow using a colorimeter. A. L. Saltykov, B. P. Shevelev. Khim. i tekh. topl. i masel 9 no. 5:65-67 My '64.

Nonstationary gas flow to well lines. B. B. Lapuk, L. A Vladimirov. Gaz. prom. 8 no. 1:8-14 '63.

Numerical calculation of flows around a stepped cone. G. S. Rosliakov, N. V Drozdova. Sbor. rab. VTS MGU 2;61-75 '63.

Shock waves forming in a viscous gas flow past thin profiles. V. V. Anisimov, R. V. Khokhlov. Prikl. mat. i mekh. 28 no. 3;557-563 My-Je '64.

Stationary inflow of real gas to the well bottom. S. S. Gatsulaev. Gaz. prom. 8 no. 3;5-9 '63.

GAS GANGRENE—PREVENTIVE INOCULATION

Active prophylaxis against the principal agents of gas gangrene; author's abstract. P. S. Dotsenko. Trudy Irk. NIIEM no. 6;24-25 '61.

(see also subdivision under Moscow Province)

Aronov, I. Z. [Contact gas economizers] Kontaktnye gazovye ekonomaizery. Kiev, Izd-vo "Tekhnika," 1964. 170 p.

Gas equipment of ring kilns for firing bricks. I. S. Tyshliar. Gaz. prom 8 no 3;16-19 '63.

Standards for the consumption of liquid gas in the home in rural areas S Shimel'fenig Zhil -kom khoz 13 no 10 25 O '63

GAS INDUSTRY

Brief news. Gaz. prom. 8 no. 3·52-54 '63

Economics in the development of the gas industry A. D Brents. Gaz. prom. 7 no 12;1-4 '62.

Gas industry on the threshold of 1963. A. K. Kortunov. Gaz. prom. 8 no. 1·1-3 '63.

Petroleum and gas industries in the U. S. S. R. approaching the forty sixth anniversary of the Great October Revolution P P. Galonskii Neft. khoz 41 no 11;1-5 N '63.

GAS INDUSTRY—BIBLIOGRAPHY see Bibliography—Gas industry

GAS INDUSTRY—FINANCE

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instruction for the compilation of projected estimates for oil and gas well construction] Instruktsiia po sostavleniiu proektno-smetnoi dokumentatsii na stroitel'stvo neftianykh i gazovykh skvazhin. Moskva, Stroiizdat, 1964. 127 p.

GAS METERS

Testing unit for checking gas meters with parallel nozzles I. G. Zolotov Gaz prom. 8 no 3;30-32 '63.

GAS PIPES

Performance of scrubbers with a packing used as flame-intercepting device in acetylene pipes. S. M. Kogarko, A. G. Liamin, V. A. Mikhailov. Khim. prom. no. 4;275-282 Ap '61.

GAS PURIFIER see Scrubber (Chemical technology)

GAS STOVES see Stoves, Gas

GAS TURBINE LOCOMOTIVES

Stepanov, A. D. [Automatic power control for diesel and gas-turbine locomotives] Avtomaticheskoe regulirovanie moshchnosti v teplovozakh i gazoturbovozakh. Moskva, Izd-vo "Mashinostroenie," 1964. 298 p.

Use of a locomotive gas-turbine engine for the heating of passenger trains. L. IA. Levental'. Trudy MIIT no. 179;106-116 '64.

GAS TURBINES
(see also subdivision under Sweden)

Analytical determination of the temperature field of the hull of a gas turbine. IU. S. Osherov. Izv. vys. ucheb. zav.; energ. 7 no. 5:114-118 My '64.

Comparative features of twin and single-shaft gas-turbine units to drive pumps in compressor stations B. S. Revzin. Gaz. prom. 7 no. 12;43-49 '62.

Consumption characteristics of a gas-turbine plant in electric power stations. M. M. Khazen. Trudy MIIT no. 179;80-91 '64.

Determination of the expenditure coefficient of centrifugal atomizers with reverse runoff. S. L Briskin. Teploenergetika 10 no. 10,92-93 O '63.

Large gas turbines. N. P. Stul'nikov. Izv. vys. ucheb. zav.; energ. 5 no. 8;123-125 Ag '62.

Power engineering features of high-temperature gas turbine systems with regeneration D. I. Mariev. Elek sta. 35 no. 4;31-33 Ap '64

Some results of the studies of the temperature fields of gas turbine rotors. L. A. Kozdoba. Izv. vys. ucheb. zav.; energ. 7 no. 5:59-64 My '64

Study of turbine stages with annular diffusers. M. E. Deich, G. A. Filippov. Teploenergetika 10 no. 10·16-23 O '63.

Use of mobile gas-turbine plants for the mechnization of track work in railroad transportation. S. N. Grigor'ev. Trudy MIIT no. 179;92-100 '64.

Using the heavy residual fractions in Tatar sour crude as a fuel for gas turbines V. I Lavrent'ev. Nefteper. i neftekhim. no 4,27-34 '63

Zariankin, A. E. [Heat exchangers of gas turbine systems] Teploobmennye apparaty gazoturbinnykh ustanovok. Moskva, Mosk. energeticheskii in-t, 1961. 107 p. [MICROFILM]

GAS TURBINES—FUEL

Prospects for the production and use of gas-turbine fuels. S. A. Feigin, L. I. Buchina. Khim. i tekh. topl. i masel 7 no. 10;42-46 O '62.

GAS TURBINES—LUBRICATION

Lubricants for gas-turbine systems. B. V. Losikov and others. Khim. i tekh. topl. i masel 9 no. 3;58-62 Mr '64.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Bykov, V. V. [Equipment for gas welding and cutting; operation maintenance and repair] Apparatura dlia

Effect of the design of nozzles on the heating rate and the economy of propane-oxygen cutting IU A. Kalachev Gaz prom 8 no 3;19-22 '63.

GAS WELL CEMENTING
(see also subdivision under United States)

Cements of reduced specific weight for cementing deep high-temperature wells A I Bulatov, I A Karmanov Gaz prom 7 no 4 8-10 '62

Driuchin, IU. P. [Well cementing; a practical handbook] TSementirovanie skvazhin; prakticheskoe rukovodstvo. Moskva, Nedra, 1964. 129 p.

GAS WELL LOGGING see subdivision under Volga-Ural region

GAS WELLS

Circulation fluid for drilling in producing reservoirs in gas fields. A. I. Berezhnoi, P. G. Kulagin. Gaz. prom. 8 no. 1·4-8 '63.

Complications in the exploitation of gas wells and their control. I. T. Musin, R. Z. Kaniukov Gaz. prom. 8 no. 3;14-16 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Handbook on estimated consolidated norms in the construction of oil and gas wells; effective as of January 1, 1961] Spravochnik ukrupnennykh smetnykh norm (SUSN) na stroitel'stvo neftianykh i gazovykh skvazhin; v normakh, deistvuiushchikh na 1/I 1961 g. Moskva, Stroiizdat, 1964. 301 p.

GAS WELLS—PRICES

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list of regional prices for the construction of oil and gas wells; in the norms and prices effective January 1, 1961 and the norms of amortization deductions introduced from January 1, 1963] Preiskurant poraionnykh rastsenok na stroitel'stvo neftianykh i gazovykh skvazhin; v normakh i tsenakh, deistvuiushchikh na 1 ianvaria 1961 g., i normakh amortizatsionnykh otchislenii, vvedennykh i 1 ianvaria 1963 g. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR 19 avgusta 1963 g. Moskva, Stroiizdat, 1964. 529 p.

GAS WELLS—TESTING

Investigating gas wells with a DGM-4 differential depth manometer M. M. Kashparov, B. A Nanikov Gaz delo no 4 11-14 '61

GAS WELLS—THERMAL PROPERTIES

Temperature distribution along a gas well bore. O B. Kachalov Gaz prom 7 no 4 11-12 '62

GASES

Impossibility of the limited mutual solubility of gases. I. A. Ostrovskii. Zhur. fiz. khim. 37 no. 4;942-945 Ap '63.

Reply to the article by I. A. Ostrovskii "Impossibility of the limited mutual solubility of gases." I. R. Krichevskii, D. S. TSiklis. Zhur. fiz. khim. 37 no. 4;945-947 Ap '63.

GASES—ABSORPTION AND ADSORPTION

Absolute adsorption isotherms for nitrogen, benzene, and n-hexane vapors and the heats of adsorption of benzene and n-hexane on graphitized carbon blacks. Part I. A. A. Isirikian, A. V. Kiselev. Zhur. fiz. khim 36 no. 6;1164-1172 Je '62.

Adsorption and state of CO_2, SF_6, and NH_3 on a graphitized carbon surface. Part 1. R. A. Bibi and others. Zhur. fiz. khim. 38 no. 3;708-716 Mr '64.

Calculating and investigating multicomponent absorption on a computer. B. G. Bergo, IA. D. Monko, V. M Platonov. Gaz. prom. 8 no. 3;33-38 '63.

Characteristics of the adsorption of vapors by microporous adsorbents. M. M. Dubinin Dokl. AN SSSR 156 no. 2;401-407

GASES, KINETIC THEORY OF

[illegible] a gaseous [illegible] figures of five [illegible] L.A. [illegible] 7 155-161 '63

[illegible] a solution to [illegible] mixtures. S.V. [illegible] Vest [illegible]

GASES IN METALS

[illegible] iron. D.P. Burylev. Izv AN [illegible] Met i gor delo no 3 118-121 My-Je '64

[illegible] in rimmed steel [illegible] Izv vys [illegible] 53 '64

[illegible] steel in the ladle or while [illegible] and others. Izv vys ucheb [illegible] 2-57 '64

GASES IN SOILS

[illegible] air of peat soils and its effect on the [illegible] Izv. vys. [illegible] 6 no. 6 14-19 '63.

Effect [illegible] of soil on the vital activity of [illegible] Kacharouski, [illegible] 3 14-23 '63

GASES IN THE BLOOD see Blood, Gases in

GASHOKOV, KHUSIN

Bekizova, L.A. [Circassian poet Khusin Gashokov] Cherkesskii poet Khusin Gashokov. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1962. 49 p. (NIC)

GASOLINE

(see also subdivision under Novo-Dmitriyevka Oil Field; Volga Valley)

Catalytic reforming of thermal-cracking gasolines. N.R. Pursuan, N.K. Volnukhina, V.F. Skorniakova Khim i tekh topl.i masel 9 no 6.5-10 Je '64

Production and motor properties of gasolines from pyrolysis products. A.B. Vol'-Epshtein and others. Khim i tekh topl i masel 9 no 5 23-29 My '64

GASOLINE—ANTIKNOCK AND ANTIKNOCK MIXTURES

Sulimov, A.D. [Catalytic reforming of gasolines] Kataliticheskii riforming benzinov. Pod red. i s dop. D.I. Orochko. [Moskva] Khimiia, 1964. 205 p.

GASTRIC JUICE

Effect of the quality of suppers on the gastric secretion in healthy people and in patients with chronic gastritis F.I. Komarov, A.I. Ianu., N.F. Lebedev. Vop pit 22 no 6 16-21 N-D '63

GASTROENTEROLOGY

Late results of diagnostic gastrotomy in X-ray pictures I.A. Shara a. Vest khir 91 no 10 70-73 O '63

GASTROINTESTINAL HEMORRHAGE

Resection of the stomach for hemorrhagic ulcer in a 14-year-old boy. Sh A Aliev. Vest khir 91 no. 10 100 O '63

GASTROINTESTINAL MOTILITY

Effect of gymnastic exercises on the motor function of the stomach in peptic ulcer patients. G N Propastin Vest. khir 91 no 10 74-77 O '63

Effect of Lagochilus preparation on the motor function of the stomach and small intestine. A.Sh. Shukurov. Uch. zap Tadzh un 17 Trudy Fak est nauk no 3 69-72 '58

Effect of some central neurotropic substances on the motor activity of an empty stomach. L. L. Grechishkin. Farm i toks 26 no 1 36-40 Ja-F '63

Effect of some food products and mineral waters on the motor function of the small intestine in chronic colitis. A G Saakian, I S. Nanaziashvili. Vop. pit 22 no. 6 21-26 N-D '63

GASTROPODA see subdivision under Caucasus

GASTROPODA, FOSSIL see subdivision under Sette-Daban Range; Turkmenistan

GAUGES

Roman, O.V., and A.M. Dmitrovich. [Checking and measuring tools and laying out] Kontrol'no-izmeritel'nye pribory i razmetka. Minsk, *Gosizdat BSSR, 1963.* 149 p. (Biblioteka slesaria, no. 4)

GAY REGION (ORENBURG PROVINCE)—GOLD ORES

Mineralogical form of gold and its associations in sulfide ores in the Gay pyritic copper deposit. G.N. Pshenichnyi. Mat. po geol. i pol. iskop. IUzh. Urala no. 3:141-147 '62.

GAY REGION (ORENBURG PROVINCE)—ORE DEPOSITS

Gay ore region. V.I. Skripil', M.S. Nedozhogin, N.A. Sibirskaia. Mat. po geol. i pol. iskop. IUzh. Urala no. 3: 111-130 '62.

GAZELLES

Morphological and *functional characteristics* of the locomotorium in saiga and goitered gazelle. I.I. Sokolov, E A Klebanova, A S Sokolov. Trudy Zool. inst. 33 319-348 '64

GAZLI GAS FIELD—GAS, NATURAL

Problems and certain results of the test exploitation of *the Gazli field.* G. D. Margulov, S. M. Tverkovkin, O. F Khudiakov. Gaz. delo no. 5:3-9 '64

GEAR CUTTING

Alenin, M.P. [*Gear-tooth slocking cutter* and finish milling of 45G17IuZ low-magnetic steel] *Chernovoe* i chistovoe zubofrezerovanie malomagnitnoi stali 45G17IuZ. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 3)

GEAR-CUTTING MACHINES

Litvin, F.L., and others. [Gear-cutting machines for cutting noncircular gear wheels] Zuboreznye stanki dlia narezaniia nekruglykh koles. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 1)

New machine tools. Stan. i instr. 35 no. 5:44 My '64.

GEAR-SHAPING MACHINES

Modernization of *gear* cutting and shaping machines E. N. Perov. Mashinostroitel' no 5:12-13 My '64.

GEAR-SHAPING MACHINES—ATTACHMENTS

Attachment for checking the precision of the dividing chain of a shaper. I. B. Dmitrevskii. Stan i instr. 35 no. 5:43 My '64.

GEARING

Curvature of normal cross sections of the conjugate surfaces of gear teeth. I. I. Dusev. Izv. vys. ucheb. zav., mashinostr. no. 3.5-12 '64

Efficient designs of intermediate gear wheels and satellites. L. N. Reshetov. Vest. mashinostr. 44 no. 2:15-19 F '64.

Hardening of gears using a two-frequency low-powered electric generator. G. F. Golovin, E. P. Evangulova. Trudy NIITVCH no 4 55-63 '63.

Involute gear transmissions with a point contact. V. N. *Sevriuk. Trudy LVMI 1:40-47 '62*

Kinematics and dynamics of basic elements of an automatic variable-speed gear transmission. G. G. Vasin, A. P. Poliakov. Izv. vys. ucheb. zav., mashinostr. no. 3:78-87 '64.

Nomeclature on reducing gears. Energetik 12 no. 4:32 Ap '64

Voronov, A. L., and I. A. Grebenkin. [Gearboxes of machine tools; kinematic design of gearboxes with a compound structure and connected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhennoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 132 p.

GEARING—LUBRICATION

Meshchaninov, S. M., and V. N. Gersator. [*New oils* and additives for gear transmissions; verbatim report of a lecture delivered in the Leningrad House of *Scientific* and Technical Information in February 1963] Novye masla i prisadki dlia zubchatykh peredach; *stenogramma lektsii*, prochitannoi v LDNTP v *fevrale* 1963 g. Leningrad, 1964. 37 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia; Mekhanicheskaia *obrabotka* metallov)

GEARING, BEVEL

Angervaks, A. I., and R. P. Kolesnikov. [Precision flashless die forging of bevel gear] Bezoblloinaia shtampovka konicheskikh zubchatykh koles s *profilem* zuba. Leningrad, 1964. 21 p. (Leningradskii *dom* nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem)

Bevel-gear cam mechanism. N. M. Klement'ev, N. N. *Ermilov.* Mashinostroitel' no. 5:27 My '64.

GEARING, SPUR

Device for the experimental study of cylindrical spur gears. I. I. Shapiro. Nauch. zap. VLTI 29 no. 4:64-71 '63.

GEARING, WORM

Undercutting in orthogonal worm gears with cylindrical worms shaped as linear helicoids. I. P. Bernatskii. Izv. vys. ucheb. zav.; mashinostr. no. 3:13-21 '64.

GEESE

Theory and practice of waterfowl egg incubation. IU. N. Nikolaeva. Trudy Bel. nauch -issl inst zhiv. 3 175-183 '62

GELATIN, EFFECT OF RADIATION ON

Change of the structural and mechanical properties of gelatin *under* the effect of ionized radiation. E. M. Nanobashvili, I. G. Bakhtadze. Soob. AN Gruz. SSR 34 no. 1:79-84 Ap '64.

GELENDZHIK BAY—MARINE FOULING

Quantitative and qualitative characteristics of bacterial fouling of metallic plates. L. A. Rozenberg. Trudy Inst. okean. 70:225-230 '63.

GELENDZHIK BAY—MARINE MICROBIOLOGY

Quantitative and qualitative characteristics of bacterial fouling of metallic plates. L. A. Rozenberg. Trudy Inst. okean. 70:225-230 '63

GELENDZHIK BAY—SHIPWORMS

Settling of the larvae of the wood borer Teredo navalis L. (Mollusca, Teredinidae) and water temperature in Gelendzhik Bay of the Black Sea. P. I. Riabchikov, O. B. Nikolaeva. Trudy Inst. okean. 70,170-185 '63

GENERALIZED SPACES see Spaces, Generalized

GENERATIVE ORGANS

Methodology for determining the dosage rates for the gonads during X-ray diagnosis procedures. B. A. Petrov, N. M. Palladiova, P. S. Pivanova. Vest. rent. i rad. 38 no. 3:56-60 My-Je '63.

GENERATIVE ORGANS, FEMALE—CANCER

Treatment of malignant neoplasms in female sex organs by means of 6-azauracil. V. Kafka and others Vop. onk. 8 no. 10:11-14 '62.

GENETIC RESEARCH

Role of maternal pathology in Down's disease. I. P. Davidenkova and others. Zhur. nevr. i psikh. 63 no. 7:1052-1057 '63.

GENETICS

Colicinogenicity as a general biological problem. V. D. Timakov and others. Vest. AMN SSSR 19 no. 1:10-14 '64.

Determination of the concept of "life." V. M. Zhdanov. Vest. AMN SSSR 19 no. 1:26-33 '64.

Genetic approach to the problems of animal breeding. N. V. Voroshilov. Vest. LGU 19 no. 9:102-111 '64.

Genetic recombination in bacteria. A. P. Pekhov. Vest AMN SSSR 18 no. 12:34-43 '63.

In the old manner. M. Lebedev. Agrobiologiia no. 3: 467-470 My-Je '64.

M. E. Lobashev's "Genetics." Reviewd by P. F. Rokitskii Biul. MOIP. Otd. biol. 69 no. 3:150-153 My-Je '64.

Regressive development in biology. V. V. Kupriianov. Vest. AMN SSSR 19 no. 1:33-43 '64.

Relation of the mutagenic effect of 2-chloroalkyl amines to the structure of their functional groups and radicals. *S. I. Alikhanian, M. G. Oganesian.* Vest. AMN SSSR 19 no. 1:72-84 '64.

Significance of hereditary and environmental *factors* in the development of hypertension and lipid metabolism *disorders,* (studies on twins). IA. Ryvkin, L. N. Ignatova. Vest. AMN SSSR 18 no. 12:29-31 '63.

Some general problems of genetics; microbiological research. V. D. Timakov. Vest. AMN SSSR 18 no. 12:3-13 '63.

Universality of the matrix principle in biology and the laws of dialectics. I. G. Balandin. Vest. AMN SSSR *19 no. 1:22-26 '64.*

GEOCHEMICAL PROSPECTING

Organization of geochemical prospecting for pyrite deposits in the Southern Urals. I. I. Ginzburg. Mat. po geol. i pol. iskop. IUzh. Urala no. 3:29-36 '62.

Vsesoiuznyi nauchno-issledovatel'skii institut metodiki i tekhniki razvedki. [Principles of geochemical prospecting methods for ore deposits; methodological handbook] Osnovy *geokhimicheskikh metodov poiskov rudnykh* mestorozhdenii; metodicheskoe posobie. Leningrad.

Pt. 2. [Dispersed state of elements and its applied importance; haloes of the primary dispersion of ore deposits] Rasseiannoe sostoianie *elementov* i ego prikladnoe znachenie; *oreoly* pervichnogo rasseianiia rudnykh mestorozhdenii. 1963. 82 p

GEOCHEMISTRY

(see also subdivision under Kuybyshev Reservoir)

Correlative dependence of ore complexes associated with granitoids on the composition of the formations enclosing them. IU. G. Shcherbakov. Dokl. AN SSSR 156 no. 2:360-362 *My '64.*

Efendiev, G. Kh., R. A. Alekperov, and A. N. Nurlev. [Problems in the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 140 p.

GEODESY

Provorov, K. L. [Radiogeodesy; course of lectures] Radiogeodeziia; kurs lektsii. Novosibirsk, Novosibirskii in-t inzhenerov geodezii, aerofotos"emki i kartografii.

Pt. 3. [Geodetic uses and the processing of the results of measurements] Geodezicheskie primeneniia i obrabotka rezul'tatov izmerenii. 1962. 94 p.

[MICROFILM]

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur.: Geod. no. 7 Jl '64.

GEODESY—BIBLIOGRAPHY see Bibliography—Geodesy

GEOGRAPHICAL RESEARCH see subdivision under Siberia

GEOGRAPHY
(see also subdivision under Japan)

Akademiia nauk SSSR. Institut geografii. [Development and transformation of a geographical medium] Razvitie i preobrazovanie geograficheskoi sredy. Moskva, Izd-vo "Nauka," 1964. 238 p.

Mil'kov, F.N. [Natural zones of the U.S.S.R.] Prirodnye zony SSSR. Moskva, Izd-vo "Mysl'," 1964. 324 p. maps (insert. Geograficheskaia seriia)

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog. no. 7 Jl '64.

GEOGRAPHY—AUDIO-VISUAL AIDS

Conducting specialized practice in the preparation of visual aids on geography. A.M. Belokopytov. Izv. Vor. gos. ped. inst. 37:71-74 '61.

GEOGRAPHY—STUDY AND TEACHING
(see also subdivision under Voronezh Province)

Independent work of students with a set of maps in lessons on the geography of the U.S.S.R. in eight-year schools. S.Z. Maksimov. Izv. Vor. gos. ped. inst. 37:91-96 '61.

Methods of working with maps in the geography lessons of the sixth grade of secondary schools. M.P. Zabrodskaia. Izv. Vor. gos. ped. inst. 37:83-89 '61.

Use of motion pictures in class as one of the means to stimulate the teaching of geography. U.V. Chernyshova. Izv. Vor. gos. ped. inst. 37:105-111 '61.

GEOGRAPHY, ECONOMIC see subdivision 'Economic geography' under Australia; Bukovina; Near East; Ural Mountain region

GEOGRAPHY, ECONOMIC—STUDY AND TEACHING

Basic problems of economic zoning and the economic and geographical characteristics of the regions of the U.S.S.R. N.I. Korzhov. Izv. Vor. gos. ped. inst. 37:3-30 '61.

Content and methods of conducting comprehensive field practice in economic geography with correspondence students. N.I. Korzhov. Izv. Vor. gos. ped. inst. 37:31-57 '61.

Practical work on the topic "Countries of people's democracy" in secondary schools. M.I. Kartavykh. Izv. Vor. gos. ped. inst. 37:97-103 '61.

GEOLOGICAL MODELING

Method for studying electric fields over complexly linked geoelectric sections. I.M. Blokh. Izv AN SSSR. Ser. geofiz. no. 6:863-893 Je '64.

GEOLOGICAL TIME
(see also subdivision under Caucasus; Dniester Valley; Khabarovsk Territory)

Subdivision of the Miocene into stages and principles underlying it. L.Sh. Davitashvili. Trudy Inst. paleobiol. AN Gruz. SSR 8:73-84 '63.

GEOLOGY
(see also subdivision under Argun Valley; Baikal Lake region; Caucasus; Kvirila Valley; Orenburg Province; Rioni Valley; Russian Platform; Siberia, Eastern; Transbaikalia; Ulutau; Ural Mountain region; Ural Mountains)

Useful book. S.S. Vosanchuk and others. Geol. zhur. 23 no. 4:111-113 '63.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol. no. 7 Jl '64.

GEOLOGY, STRATIGRAPHIC see subdivision under Aragats, Mount; Armenia; Azerbaijan; Badkhyz, Mount; Baikal Lake region; Balkhan Range; Bayram-Ali region; Black Sea Lowland; Black Sea region; Bulgaria; Caspian Sea region; Chaun Bay region; Crimea; Dnieper Valley; Donets Basin; Georgia; Kama-Kinel' Depression; Kara Kum; Krasnovodsk Peninsula; Kursk Magnetic Anomaly; Miass region (Chelyabinsk Province); Ossetia, South; Podolia; Polotsk region; Prut Valley; Russian Platform; Transbaikalia; Tuarkyr region; Turkmenistan; Unguz region; Ural Mountains; Verkhoyansk Range; Volga Valley; Volhynia; White Russia; Zaporozh'ye Province

GEOLOGY, STRUCTURAL
(see also subdivision under Azov Sea region; Baltic Sea region; Laptev Sea region; Moldavia; Mzymta Valley; Pamirs; Perm Province; Psou Valley; Svanetiya; Tajikistan; Taman' Peninsula; Ukraine; Ural Mountain region; Ural Mountains)

Belousov, V.V., and M.V. Gzovskii. [Experimental tectonics] Eksperimental'naia tektonika. Moskva, Izd-vo "Nedra," 1964. 117 p.

Causes of earth crust movements; deep-lying gravitational tectogenesis. A.I. Rybin. Priroda 53 no. 7:87-91 '64.

Modeling tectonic deformations by means of directed extension of volume. I.V. Kirillova, E.I. Chertkova. Izv. AN SSSR. Ser. geofiz. no. 7:1037-1048 Jl '64.

Tectonics of the earth's outer envelope. V.H. Bondarchuk. Geol zhur. 23 no. 4:3-11 '63.

V.V. Belousov's critical remarks concerning the role of the 35th parallel in the tectonic life of the earth. M.V. Stovas. Geol zhur. 23 no. 4:113-117 '63.

GEOMETRICAL DRAWING—DICTIONARIES

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-Spanish dictionary of terms in descriptive geometry and drawing] Kratkii russko-ispanskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 32 p.

GEOMETRY—PROBLEMS, EXERCISES, ETC.

Atanasian, L.S., and others. [Problems in elementary geometry; textbook for pedagogical institutes] Sbornik zadach po elementarnoi geometrii; posobie dlia pedagogicheskikh institutov. Izd. 2, perer. Moskva, Prosveshchenie, 1964. 93 p.

GEOMETRY, DESCRIPTIVE—DICTIONARIES

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-Spanish dictionary of terms in descriptive geometry and drawing] Kratkii russko-ispanskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 32 p.

GEOMETRY, DIFFERENTIAL

Minimum number of vertices of a knotted curve. V.I. Diskant. Sib mat. zhur. 5 no. 1:234-235 Ja-F '64.

GEOMETRY, MODERN—SOLID

Some properties of the internal extensions of a partial Archimedean space. G.N. Perlatov. Dokl. AN SSSR 157 no. 2:276-278 Jl '64.

GEOMETRY, NON-EUCLIDEAN

Biquaternion elliptic spaces and their application in non-Euclidean geometries. N.D. Pletsko. Dokl AN Arm. SSR 36 no. 5:257-261 '63

Quadrics in n-dimensional hyperbolic space. S.L. Pevzner. Soob. AN Gruz. SSR 33 no. 1:15-17 Ja '64.

GEOMORPHOLOGY see subdivision under Caspian Lowland; Kura-Aras Lowland

GEOPHYSICAL INSTRUMENTS

Use of the equipment of industrial geophysics. M.F. Migunova, L.A. IUrkova. Razved. i prom. geofiz. no. 49:134-140 '63.

GEOPHYSICS see subdivision under Georgia

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz. no. 7 Jl '64.

GEORGES BANK—HERRING FISHERIES

Technological properties and salting of herring caught on the Georges Bank. N.N. Rulev. Nauch.-tekh biul. PINRO no 2/3 63-66 '62.

GEORGIA—ACARIANS

New genus and species of predatory mites of the family Bdellidae. L.A. Gomelauri. Soob. AN Gruz. SSR 31 no. 1:167-170 Jl '63.

GEORGIA—ALBITOPHYRES

Age of albitophyres of Mount Garedzhi. V.I. Zesashvili. Izv. Geol. ob-va Gruz. 3 no 2:43-46 '64.

GEORGIA—ALTITUDE, INFLUENCE OF

Characteristics of blood pressure in workers of high-mountain logging camps in Georgia. V.V. Lugovoi. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:293-296 '63.

GEORGIA—APPLE WORM

Biological characteristics of apple worm and the dynamics of its abundance as related to the vertical zonality of the Georgian S.S.R. M.S. Kvachantiradze. Soob. AN Gruz. SSR 31 no. 3:687-694 S '63.

GEORGIA—ARTERIOSCLEROSIS

Study of the epidemiology of atherosclerosis among the population of the Georgian S.S.R. I.V. Dzhavakhishvili, G.I. Mateshvili, G.V. TSabadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:17-20 '63.

GEORGIA—BEACH EROSION

Erosion forms of the seashore in Georgia. N.A. Khodyrev. Priroda 53 no. 7:115-117 '64

GEORGIA—CARNIVORA, FOSSIL

Study of the Lower Quaternary Carnivora of Georgia. A.K. Vekua. Trudy Inst. paleobiol. AN Gruz. SSR 7:29-50 '62.

GEORGIA—CHERRY FRUIT FLY

Chlorophos and control of the cherry fruit fly (Rhagoletis cerasi L.). V.A. Gvritishvili. Soob. AN Gruz. SSR 34 no. 1:155-158 Ap '64.

GEORGIA—CICADA

[illegible] woody [illegible] AN Gruz. SSR 31 no. 1:149-154 [illegible] '63.

GEORGIA—CLASSICAL ANTIQUITIES

Roman (Italic) bronze vessels found in the village of Nichbisi. O.D. Lordkipanidze. Soob. AN Gruz. SSR 34 no. 1:243-250 Ap '64.

GEORGIA—CLAY

Phenomena of halmyrolysis in the Mtavari volcanic series. V.I. Gugushvili. Soob. AN Gruz. SSR 33 no. 1:139-146 Ja '64.

GEORGIA—COOKERY

Use of electricity in food preparation in the Georgian S.S.R. A.I. Muskhelishvili. Trudy Inst. energ. AN Gruz. SSR 17:187-194 '63.

GEORGIA—COPPER SULFIDES

Hydrothermal metamorphism of the enclosing rocks of copper sulfide ores in southeastern Georgia. E.I. Kakhadze. Soob. AN Gruz. SSR 34 no. 1:99-105 Ap '64

Mineralogy and paragenesis of the copper-sulfide ores of southeastern Georgia. E.K. Kakhadze. Izv. Geol ob-va Gruz. 3 no. 2:37-41 '64.

GEORGIA—ELECTRIC POWER PLANTS

Optimum load distribution between the electric power plants of the Georgian S.S.R. IU.S. Devadariani, G.M. Shul'ts. Trudy Inst. energ. AN Gruz. SSR 17:63-76 '63.

GEORGIA—ELECTRIFICATION

Use of electricity in food preparation in the Georgian S.S.R. A.I. Muskhelishvili. Trudy Inst. energ. AN Gruz. SSR 17:187-194 '63.

GEORGIA—FISHERIES

Nauchnoe soveshchanie, posviashchennoe izucheniiu i rybokhoziaistvennomu ispol'zovaniiu vnutrennikh vodoemov Gruzii, 1st, Batum, 1961. [Transactions of the First Scientific Conference Dedicated to the Study and Use for Fisheries of the Inland Bodies of Water of Georgia] Trudy. Batumi, Nauchno-issl. Rybokhoziaistvennaia stantsiia Gruzii, 1963. 161 p.

GEORGIA—FOOD—ANALYSIS

Cobalt and nickel content in some food products of Georgia. S.D. Taktakishvili. Vop. pit. 22 no. 6:73-74 N-D '63

GEORGIA—FORAMINIFERA, FOSSIL

Miliolids of the Middle Miocene of Georgia. O.I. Dzhanelidze. Trudy Inst. paleobiol. AN Gruz. SSR 8:133-192 '63.

GEORGIA—FORESTS AND FORESTRY

Types of thin forests in Georgia. M.A. Svanidze. Soob. AN Gruz. SSR 33 no. 1:197-204 Ja '64.

GEORGIA—GAS DISTRIBUTION

Controlling the seasonal imbalance in gas consumption in the Georgian Soviet Socialist Republic. P.G. Shengeliia, R.A. Khachaturian. Gaz. prom. 7 no. 12:20-22 '62.

GEORGIA—GEOLOGY, STRATIGRAPHIC

Formation of deposits of the Cimmerian stage in western Georgia. G.A. Kvaliashvili. Trudy Inst. paleobiol. AN Gruz. SSR 8:35-41 '63.

Lower horizons of the Miocene in the western part of the Racha-Lechkhuma syncline. G.D. Ananiashvili. Izv. Geol. ob-va Gruz. 2 no. 2:27-39 '61.

Paleogene in Bulgaria and its connection with the analogous sediments in Georgia. I.V. Kacharava. Izv. Geol. ob-va Gruz. 2 no. 2:3-14 '61.

GEORGIA—GEOPHYSICS

Selecting the frequencies of an electromagnetic field reflecting the morphology of the reference horizon on the territory of eastern Georgia. G.E. Gugunava. Soob. AN Gruz. SSR 31 no. 2:283-288 Ag '63.

GEORGIA—HYDROELECTRIC POWER STATIONS

Construction of expenditure characteristics and characteristics of relative increments for hydroelectric power stations of the power system of the Georgian S.S.R. G.M. Shul'ts. Trudy Inst. energ. AN Gruz. SSR 17:51-62 '63.

GEORGIA—IRON ORES

Muschketowitization in the Dzamskoye iron ore deposit. M.D. Kuparadze. Soob. AN Gruz. SSR 31 no. 1:67-74 Jl '63.

GEORGIA—LAUREL—DISEASES AND PESTS

Materials on the causative agent of laurel leaf spot Colletotrichum nobile (Sacc.) comb. nov. A.V. Mzhavanadze. Soob. AN Gruz. SSR 31 no. 1:143-146 Jl '63.

GEORGIA—LIZARDS

Presence of Eremias arguta transcaucasica Darevski in Georgia. T.A. Muskhelishvili. Soob. AN Gruz. SSR 31 no. 2:421-423 Ag '63.

GEORGIA—LUMBERMEN—DISEASES AND HYGIENE

Characteristics of blood pressure in workers of high-mountain logging camps in Georgia. V.V. Lugovoi. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:293-296 '63.

[illegible] 1 157-74 '64

GEORGIA—MEDICINE, MAGIC, MYSTIC, AND SPAGIRIC

[illegible] 1 227-

GEORGIA—METAMORPHISM (GEOLOGY)

[illegible] 99-105 Ap '64

GEORGIA—MITES

[illegible] (Acari, Oribatei) in Georgia. [illegible] AN Gruz SSR 31 no 2,413-419 Ag '63

GEORGIA—MOLLUSKS, FOSSIL

[illegible] of the Cimmerian stage in western Georgia. G. [illegible] Trudy Inst. paleobiol. AN Gruz [illegible] 35-41 '63

GEORGIA—MURAL PAINTING AND DECORATION

[illegible] painting of the Telo[illegible] Church. [illegible] Gruz SSR 34 no 1 235-[illegible] '64

GEORGIA—MUSCHKETOWITE

Mushketovitization in the Dzamskoye iron ore deposit. M. D. Kuparadze. Soob. AN Gruz. SSR 31 no. 1 67-74 Jl '63

GEORGIA—ORE DEPOSITS

Altered wall rocks of the Moshevanskoye ore zone. G. N. Bezhanishvili. Izv. Geol. ob-va Gruz. 2 no 2 75-82 '61

GEORGIA—PALEOBOTANY, STRATIGRAPHIC

Age of the Goderdzi flora. M D Uznadze. Soob AN Gruz SSR 31 no 2:333-338 Ag '63

Change of the flora of western Georgia in the Late Pliocene based on spore-pollen analysis data. I. I. Shatilova. Dokl AN SSSR 156 no 2 331-334 My '64

Goderdzi flora of western Georgia. K. I Chochieva. Trudy Inst. paleobiol AN Gruz SSR 7:67-110 '62.

GEORGIA—PALYNOLOGY

Change of the flora of western Georgia in the Late Pliocene based on spore-pollen analysis data. I. I. Shatilova. Dokl. AN SSSR 156 no 2 331-334 My '64.

GEORGIA—PARASITES—BUFFALOES

[illegible] infestation of buffaloes in Georgia. K. R. [illegible] Soob AN Gruz SSR 34 no. 1 167-174 Ap '64

GEORGIA—PARASITES—FROGS

Results of the study of the developmental cycle of Opisthioglyphe ranae (Fröhlich). G. I Dzhavelidze. Soob AN Gruz SSR 34 no. 1 159-165 Ap '64.

GEORGIA—PECTINIDAE, FOSSIL

New data on the sandstones with *Pecten arcuatus Brocchi* in the Akhaltsikhe Depression. K. G Tatishvili. Trudy Inst paleobiol. AN Gruz SSR 7:137-144 '62.

GEORGIA—PINE

Vertical distribution of oriental spruce and Caucasian pine (Pinus hamata) in western Georgia. D V Mandzhavidze. Izv. Bat bot sada no. 12:101-103 '63.

GEORGIA—RHIZOSPHERE MICROBIOLOGY

Rhizosphere microflora of winter wheat. M. P. Zhgenti. Soob. AN Gruz. SSR 33 no. 1:191-195 Ja '64.

GEORGIA—ROCKS—THERMAL PROPERTIES

Study of the thermophysical properties of the *rocks of the* Tkibuli-Shaori coal deposit. A. A. Dzidziguri, Sh. I. Oniani, R. A. Sarychev. Soob. AN Gruz. SSR 31 no. 1:131-138 Jl '63.

GEORGIA—RUNOFF

Problem concerning the determination of the natural runoff regulation of rivers in Georgia. M. G. Edilberidze. Trudy Inst energ. AN Gruz. SSR 17:115-122 '63.

Synchronism of the annual runoff of large rivers of Northern Caucasus and Georgia and correlative relationship between the rivers. T V. Shvelidze, N. S Mdivani. Trudy Inst energ AN Gruz. SSR 17:31-38 '63.

GEORGIA—SANDSTONE

New data on the sandstones with Pecten arcuatus Brocchi in the Akhaltsikhe Depression. K. G. Tatishvili. Trudy Inst. paleobiol AN Gruz. SSR 7:137-144 '62.

GEORGIA—SIVATHERIIDAE

New representative of Sivatheriinae from eastern Georgia. G. K. Meladze. Trudy Inst. paleobiol. AN Gruz. SSR 7:51-65 '62.

GEORGIA—SOVIETS

The development stage of the soviets of Georgia today. Z. A. Kvachadze. Sov. gos. i. pravo 34 no. 5:126-128 *My '64.*

GEORGIA—SPRUCE

Vertical distribution of oriental spruce and Caucasian pine (Pinus hamata) in western Georgia. D. V Mandzhavidze. Izv Bat. bot sada no. 12:101-103 '63

GEORGIA—TEA

Some cultivation practices in weed control in the tea plantations of western Georgia. G. S Tatishvili. Izv Bat. bot. sada no. 12:87-92 '63

GEORGIA—TREES—DISEASES AND PESTS

Injuriousness of *Cicadetta montana* Scop. to the woody plants in Georgia. K. V. Kharazishvili. Soob. AN Gruz. SSR 31 no. 1:149-151 Jl '63.

GEORGIA—TREMATODA

Results of the study of the developmental cycle of Opisthioglyphe ranae (Fröhlich). G. I. Dzhavelidze. Soob. AN Gruz. SSR 34 no. 1 159-165 Ap '64

GEORGIA—UNGALATA, FOSSIL

Study of paleolithic ungulates of Georgia. A. K. Vekua. Trudy Inst paleobiol AN Gruz. SSR 8:109-131 '63.

GEORGIA—VOLCANIC ASH, TUFF, ETC.

Phenomena of halmyrolysis in the Mtavari volcanic series. V. I. Gugushvili. Soob. AN Gruz. SSR 33 no. 1: 139-146 Ja '64.

GEORGIA—WATER

Nauchno soveshchanie, posviashchennoe izucheniiu i rybokhoziaistvennomu ispol'zovaniiu vnutrennikh vodoemov Gruzii, 1st, Batum, 1961. [Transactions of the First Scientific Conference Dedicated to the Study *and Use for Fisheries of the* Inland Bodies of Water of Georgia] Trudy. Batumi, Nauchno-issl. Rybokhoziaistvennaia stantsiia Gruzii, 1963. 161 p.

GEORGIA—WEED CONTROL

Some cultivation practices in weed control in the tea plantations of western Georgia. G S. Tatishvili. Izv. Bat. bot. sada no 12:87-92 '63

GEORGIA—WHEAT

Rhizosphere microflora of winter wheat. M. P. Zhgenti. Soob. AN Gruz. SSR 33 no. 1:191-195 Ja '64.

GEORGIAN LANGUAGE—SYNONYMS

Neiman, Aleksandr. [Dictionary of Georgian synonyms. Slovar' gruzinskikh sinonimov. Tbilisi, Gos. izd-vo Sabchota Sakartvelo] 1961. 621 p [In Georgian] (MH)

GEORGIAN LANGUAGE—VERB

Structure of one verbal root with the element -od. B. K. Gigineishvili. Soob. AN Gruz. SSR 34 no. 1:213-220 Ap '64

GEORGIAN LITERATURE—HISTORY AND CRITICISM

Comments on the literary legacy of *Evfimii Afonskii.* E. G. Khintibidze. Soob. AN Gruz. SSR 31 no. 1:241-245 Jl '63.

Contemporary literature of Georgia. Sh. A. Kalandadze. Mat. i soob Issl otd Inst po izuch SSSR no. 48:244-249 '63

GERASIMOV, MIKHAIL NIKANOROVICH, 1894-1962

Notes on the service in the old army. Voen.-ist. zhur. 6 no. 6:60-61 Je '64.

GERBILS

Application of radioactive tracers for the study of intrapopulational connections as an epizootiological factor in the colony of greater gerbils (Rhombomys opimus). *IU. V. Rudenchik.* Zool. zhur. 42 no. 12:1849-1856 '63.

GERBILS AS CARRIERS OF DISEASE see subdivision under Balkhash Lake region

GERHARDSEN, EINAR, 1897-

Einar Gerhardsen. G Konstantinov. Mir ekon. i mezhdunar. otn. no. 7:116-117 '64.

GERIATRICS

Review of I. L. Klioner's book "Senile and degenerative changes in the joints and spine." S. L. Firer. Ortop., travm. i protez. 24 no. 12:80-82 D '63.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—DICTIONARIES—RUSSIAN

Kosman, L. S., *and E. P. Molodtsova.* [The most frequently used words in German] Leksicheskii minimum nemetskogo iazyka. [*Moskva*] *Vysshaia shkola.*
No. 2. [For correspondence students enrolled in courses 4-6 of institutes and schools of foreign *languages*] *Dlia* studentov-zaochnikov (IV-VI kursov) institutov i fakul'tetov inostrannykh iazykov, 1964. 70 p.

GERMAN LANGUAGE—STUDY AND TEACHING

Programming of a German language course. A. B. Zavoloka. Rad. shk 43 no 5 63-71 My '64

GERMAN LANGUAGE—[illegible]

Kosman, L. S., and E. P. Molodtsova. [The most frequently used words in German] Leksicheskii minimum nemetskogo iazyka. [Moskva] Vysshaia shkola.
No. 2. [For correspondence students enrolled in courses 4-6 of institutes and schools of foreign languages] Dlia studentov-zaochnikov (IV-VI kursov) institutov i fakul'tetov inostrannykh iazykov 1964. 70 p.

GERMAN REUNIFICATION QUESTION (1949-)

[Our unity is indissoluble; sojourn in the U. S. S. R. of Comrade W. Ulbricht, First Secretary of the Central Committee of the German Socialist Unity Party, Chairman of the State Council of German Democratic Republic, May 29-June 13, 1964] Nashe edinstvo nerushimo, prebyvanie Pervogo sekretaria TSentral'nogo Komiteta Sotsialisticheskoi edinoi partii Germanii, Predsedatelia Gosudarstvennogo soveta GDR tovarishcha V. Ul'brikhta v SSSR, 29 maia-13 iiunia 1964 goda. Moskva, Politizdat, 1964. 205 p.

GERMANE

Mass spectrum of monogermane. I. L. Agafonov and others. Zhur. fiz khim 36 no. 6:1367-13[illegible] Je '62

GERMANIUM—ELECTRIC PROPERTIES

Study of slow changes in the work function and surface conductivity of Si and Ge. V. G. Litovchenko and others. Radiotekh. i elektron. 9 no. 6:1047-1054 Je '64.

GERMANIUM COMPOUNDS

Effect of $HGe(C_2H_5)_3$ on primary and secondary vinylacetylene carbinols. I. M. Gverdtsiteli, T. P. [illegible], A. D Petrov. Dokl AN SSSR 157 no 3:607-610 Jl '64

Viscosity and structure of glasses of the system selenium - germanium. S. V. Nemilov. Zhur. prikl khim 37 no. 5:1020-1024 My '64

GERMANIUM CRYSTALS

Effect of electrical and structural inhomogeneities on the process of anodic dissolution of germanium. [illegible] A. Efimov, I. G. Erusalimchik. Zhur. fiz. khim. 38 no 3: 589-592 Mr '64.

Electron paramagnetic resonance in silicon and germanium. L. D Bogomolova, V. N. Lazukin, I. V. [illegible]leva. Usp. fiz nauk 83 no. 3 433-502 Jl '64

Method of detecting the inhomogeneities of the specific resistance in germanium by copper electrodeposition. A. A. Davydov, V. N. Maslov. Zhur. fiz. khim. 37 no. 4: 778-783 Ap '63.

GERMANIUM DIODES

Changes in the unipolar conductivity of germanium diodes under the influence of an external magnetic field. IE. P. Maslov, L. B. Protzer. Pratsi Od. un. 150 Zb. stud. rob. no. 6:93-95 '60.

GERMANIUM ISOTOPES

Mass spectrometric isotope analysis of germanium. R. G Arshakuni, A. M. Kolchin, G. M. Panchenkov. Zhur. fiz. khim. 37 no. 4:893-896 Ap '63

GERMANIUM ORGANIC COMPOUNDS

Disproportionation of hexaethyldigermane. N. S. Vyazankin and others. Zhur. ob. khim. 34 no 5 [illegible] My '64

GERMANIUM-SILICON ALLOYS see Silicon-germanium alloys

GERMANIUM SULFIDE—THERMODYNAMICS

Thermodynamics of germanium sulfides and some of their reactions. G. A. Bergman, E. L Shmuk. Izv. AN SSSR, Met. i gor. delo no 3:91-99 My-Je '64.

GERMANS see subdivision under Czechoslovakia

GERMANY—ARMY

Disgrace of the Wehrmacht. M. Vornikhovskii. Voen. znan. 40 no. 6 40 Je '64.

GERMANY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Tomin, V. R., and S. B. Grabovskii. [Tracing the heroes of the Berlin underground] Po sledam geroev berlinskogo podpol'ia. Moskva, Politizdat, 1964. 101 p.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic] *Nov. lit. po Ger. Dem. Resp.* nos. 3-5 '64.

GERMANY, EAST—*FOREIGN RELATIONS—RUSSIA*

Editorial comment. Nov. vrem. 21 no. 27:1-3 Je '64.

[*Our unity is* indissoluble; sojourn in the U. S. S. R. of Comrade W. Ulbricht, First Secretary of the Central *Committee of the* German *Socialist* Unity Party, Chairman of the State Council of German Democratic Republic, May 29-June 13, 1964] *Nasho edinstvo nerushimo*, prebyvanie Pervogo sekretaria TSentral'nogo Komiteta Sotsialisticheskoi edinoi partii Germanii, Predsedatelia *Gosudarstvennogo* soveta GDR tovarishcha V. Ul'brikhta v SSSR, 29 maia-13 iiunia 1964 goda. Moskva, Politizdat, 1964. 205 p.

Supplement: Treaty of friendship, mutual assistance and cooperation between the Union of Soviet Socialist Re*publics and the* German Democratic Republic. Report on the friendship visit to the Soviet Union of Comrade W. Ulbricht, First Secretary *of the Central Committee* of the Socialist Unity Party of Germany and Chairman of the State Council of the German Democratic Re*public.* Nov. vrem. 21 no. 25:31-40 Je '64.

GERMANY, EAST—MILLING MACHINERY

Crushing machines for crushing cacao pulp. G. R. Kokashinskii. Khleb. i kond. prom. 6 no. 7 38-39 Jl '62.

GERMANY, EAST—PETROLEUM INDUSTRY

Development of the oil industry in the German Democratic Republic. L. K. Tatevosian. Khim. i tekh. topl. i masel 7 no. 10:68-70 O '62.

GERMANY, EAST—PRINTING MACHINERY AND SUPPLIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Printing equipment of the German Democratic Republic] Poligraficheskaia tekhnika Germanskoi Demokraticheskoi Respubliki. Moskva, 1963. 143 p. (Seriia X: Poligraficheskaia tekhnika, no. 8)

GERMANY, EAST—RELATIONS (GENERAL) WITH RUSSIA

Our common goal is to keep the peace. G. Pravilenko. Sov. voin 44 no. 24:18-20 D '62.

GERMANY, EAST—SHOPPING CENTERS

Shopping center in a microdistrict. O. S. Verizhnikov Stroi i arkhit. Len. 26 no 4:33-35 Ap '64

GERMANY, WEST—COMMUNIST PARTY—CONGRESSES

Kommunistische partei Deutschlands. Parteitag. [Congress of the Communist Party of Germany, 1963] S"ezd Kommunisticheskoi partii Germanii 1963 goda. Moskva, Izd-vo Politizdat, 1964. 213 p.

GERMANY, WEST—ECONOMIC CONDITIONS

External optimism and internal anxiety. S. Pil'shtinskii Vnesh. torg 44 no. 5 50-52 '64.

A new study of the West German economy. A Bel'chuk. Mir. ekon. i mezhdunar. otn no 7:153-154 '64

GERMANY, WEST—ECONOMIC POLICY

New development in the planning and guidance of the national economy of the German Democratic Republic. Gunter Manz Vop ekon no 7 53-62 Jl '64.

GERMANY, WEST—EDUCATION

Visiting the schools of West Germany A. Foteeva Nar. obr no 6 95-99 Je '64

GERMANY, WEST—FOREIGN RELATIONS

Revengemongers. O. Klička. Nov. vrem. 21 no. 28 16-17 Jl '64.

GERMANY, WEST—INDUSTRIAL MANAGEMENT

New development in the planning and guidance of the national economy of the German Democratic Republic Gunter Manz. Vop. ekon. no 7 53-62 Jl '64

GERMANY, WEST—MILITARISM

Editorial comment. Nov. vrem. 21 no. 26:1-2 Je '64.

In the orbit of aggression. N. Kolikov. Komm. Vooruzh. Sil 3 no. 13:88-91 Jl '63.

A lesson not for keeping. D. Umanskii. Sov. voin 40 no. 12:42 Je '64.

GERMANY, WEST—POLITICS AND GOVERNMENT

Debate in Bonn. L. Bezymenskii. Nov. vrem. 21 no. 25: 15-17 Je '64.

Kalal'in, O. P. ["Der Spiegel" behind bars] "Zerkalo" za reshetkoi. Moskva, Politizdat, 1964. 30 p. (Zapad nashikh dnei)

Whither West Germany? G Heitzer. Mir. ekon. i mezhdunar. otn no. 6 116-123 '64

GERMANY, WEST—PROPAGANDA, ANTICOMMUNIST

The folly of anticommunism. M. Gus. Nov. vrem. 21 no. 26:15 Je '64.

GERMANY, WEST—RUSSIAN STUDIES

How the "Ostforschung" falsifies the program of the CPSU. B. I. Korolev. Ist. SSSR 7 no. 2:180-204 Mr-Ap '63.

GERMANY, WEST—SILOS

Silo structures of precast reinforced concrete in the German Federal Republic. F. Issers, V. Semenov. Muk.-elev. prom. 30 no. 4:31 Ap '64.

GERMICIDAL LAMPS

Photometric method of determining the ultraviolet activity of bactericidal lamps. E. K. Baktin, A. A. Stetkevich. Trudy TomNIIVS 14:285-288 '63.

GERMINATION

Antimicrobial substances of germinating plant seeds. A. V. Tul'chyns'ka. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:131-133 '60.

Seed germination of some Alpine plant species. V. E. Voskanian. Izv. AN Arm. SSR. Biol. nauki 16 no 2: 103-106 F '63.

GETWEZI see Yatvyags

GIBBERELLIN

Activity of catalase and peroxidase in plants treated with gibberellin V A Raspevin. Fiziol. rast. 11 no 3:534-537 '64.

Composition of gibberellic acid preparations of various origins G S Muromtsev and others Fiziol rast 11 no 3 506-514 '64

Photoperiodic influence and the dynamics of gibberellin-like substances in plants M. Kh. Chailakhian, V N. Lozhnikova Dokl. AN SSSR 157 no 2,484-485 Jl '64

GIRDERS, CONTINUOUS see Beams and girders, Continuous

GISSAR RANGE—FOREST INSECTS

Entomofauna and ecologic groups of insects in hardwood forests of the Gissar and Darvaza Ranges. I K Lopatin Uch zap Tadzh un 17 Trudy Fak est nauk no 3 31-37 '58

GISSAR RANGE—LEAF BEETLES

Fauna of leaf beetles (Coleoptera, Chrysomelidae) of the Gissar Range I K Lopatin Uch zap Tadzh un 17 Trudy Fak est nauk no 3 39-46 '58

GISSAR RANGE—ROCKS, SEDIMENTARY—MAGNETIC PROPERTIES

Stability of the natural residual magnetization of the Lower Cretaceous sedimentary rocks of the southwestern offshoots of the Gissar Range Kh A Abdullaev Izv AN SSSR. Ser geofiz no 6 919-923 Je '64

GLACIAL EPOCH see subdivision under Kanchalan Basin, Teberda region (Caucasus)

GLACIERS see subdivision under Antarctic regions

GLANDS, DUCTLESS see Endocrine glands

GLASS, CELLULAR

"Foam glass" Stek i ker. 21 no 1:47-48 Ja '64.

Manufacture of crystallized foamglass. I I. Kitaigorodskii, T. L. Shirkevich. Stek i ker 21 no. 1:5-8 Ja '64.

GLASS, COLORED

Optimal depth of furnaces for dark green glass. K. K. Vilnis, M. G. Stepanenko. Stek i ker. 21 no 1:9-13 Ja '64.

GLASS BLOWING AND WORKING

Replacing mechanical polishing of organic glass with flame polishing IU. A Kalachev Mashinostroitel' no. 4 31 Ap '64

GLASS CONSTRUCTION—STANDARDS

New All-Union State Standards. Stek. i ker 21 no. 1:46 Ja '64.

GLASS CONTAINERS

Strengthening of glass containers by means of protective organosilicon coatings. B. S. Kirshner. Leh. prom. no. 2:61-63 Ap-Je '64.

GLASS ELECTRODES see Electrodes, Glass

GLASS FIBERS

Automatic control systems for electric furnace departments of glass fiber plants. V. P. Krasin, A. S. Kras'ko, F. A. Skvarko. Izv. vys. ucheb. zav., energ. 7 no. 5:103-105 My '64.

GLASS FURNACES

Glass making in an electric furnace F. S. Entelis. Stek. i ker. 21 no. 1:47 Ja '64.

Optimal depth of furnaces for dark green glass. K. K. Vilnis, M. G. Stepanenko. Stek. i ker. 21 no. 1:9-13 Ja '64.

GLASS MANUFACTURE

Glass making in an electric furnace. F. S. Entelis. Stek. i ker. 21 no. 1.47 Ja '64.

Tasks of the glass and ceramic industries for 1964-1965. Stek. i ker. 21 no. 1:1-4 Ja '64.

GLASS MANUFACTURE—BIBLIOGRAPHY see Bibliography—Glass manufacture

GLASS MANUFACTURE—CHEMISTRY

Effect of the chemical treatment of glass surfaces on some of its properties. S. K. Dubrovo, IU. I. Skorik. Stek. i ker. 21 no. 1:13-16 Ja '64.

GLASS REINFORCED PLASTICS

Models and core boxes from glass reinforced plastic materials. K. T. Kliukvin. Trakt. i sel'khozmash. no. 6:39-41 Je '64.

Translucent panels of glass reinforced plastics. V. Popov, E. Skliarova. Stroi. i arkhit. 12 no. 5:24-25 My '64.

Treatment of glass fibers for the manufacture of glass plastics. B. L. Rudoi. Khim. mashinostr. no. 1:39-40 Ja '63.

GLASS REINFORCED PLASTICS—TESTING

[illegible] static [illegible] ction with [illegible] omogeneity of the stressed state. V. S. Streliaev, G. P. Zaitsev. Izv. vys. ucheb. zav.; mashinostr. no. 3:59-71 '64.

Experimental investigation of the anisotropy of glass reinforced plastics. IA. S. Sidorin. Izv. AN SSSR. Mekh. i mashinostr. no. 3:122-126 My-Je '64

GLASS REINFORCED PLASTICS—THERMAL PROPERTIES

Theoretical analysis of the nonstationary heating and degradation of glass reinforced plastics near the critical point. IU. V. Polezhaev. Izv. AN SSSR. Mekh. i mashinostr no. 3:3-8 My-Je '64.

GLASS RESEARCH

Viscosity and structure of glasses of the system selenium - germanium. S. V. Nemilov Zhur prikl. khim. 37 no 5:1020-1024 My '64.

GLIKIN, MIKHAIL ISAAKOVICH, d. 1962

In memory of Mikhail Isaakovich Glikin Vest rent. i rad 38 no 3.88-89 My-Je '63

GLINSK ROZBISHEVKA OIL FIELD—OIL WELL LOGGING, ELECTRIC

Evaluating the industrial oil potential and oil yield of sandstone reservoirs on the basis of a geophysical study made in the Glinsk-Rozbishevka field D E Kovalenko, N. IA Zaikovskii Neftegaz geol i geofiz no 4 46-52 '63.

GLOBULIN

Effect of radio-iodinated globulins in antitumor serum on the development of the ascitic form of the Ehrlich tumor. IU. A. Umanskii. Vop. onk 10 no 2:91-98 '64.

Globulins of common sunflower (Helianthus annuus L.) seeds. V. G. Klimenko, N. I. D'iachenko. Dokl. AN SSSR 156 no. 2,461-464 My '64.

GLUCOSE METABOLISM

Uridine diphosphate glucose system and glycogen transformation in ascitic tumor cells. M. F. Kharchenko, I. F. Seits. Vop. onk 10 no. 2:73-81 '64

GLUE

Kanter, G. G., and others. [Glued and welded joints in the manufacture of machinery] Kleesvarnye soedineniia v mashinostroenii. Kiev, "Tekhnika," 1964 199 p

GLUING

Cementing of wood during heating in a high-frequency electric field T. A Shelina. Trudy NIITVCH no 1/2 152-167 '60

Golikov, V. I., and Z. F. Resina. [Intensification of veneering and gluing operations in the manufacture of furniture] Intensifikatsiia faneroval'nykh i skleechnykh rabot v proizvodstve mebeli. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 119 p.

Koblikova, A. G. [Glues in woodwork; lectures from the course "Technology of the manufacture of glued materials and plates" for students of the Faculty of the Mechanical Technology of Wood] Klei v derevoobrabotke; lektsii po kursu "Tekhnologiia proizvodstva kleenykh materialov i plit" dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 115 p.

Using urea-formaldehyde resin for gluing articles by the cold method without compressing. A. I. Kolmovskaia. Der. prom. 13 no. 3.27 Mr '64.

Vacuum gluing of plywood. V. A. Kulikov, N. M. Martynikhina, B. P. Kol'man. Der. prom. 13 no. 3:14-17 Mr '64.

GLUTACONALDEHYDE

Synthesis of 2,6-dialkoxy-Δ^3-dihydropyrans (cyclic acetals of glutaconaldehyde). S. M. Makin, V. M Likhosherstov, M. I. Shelemina. Zhur ob. khim. 34 no 6: 1809-1815 Je '64.

GLUTAMIC ACID—THERAPEUTIC USE

Effectiveness of psychoeducational influences on oligophrenic children during their treatment with glutamic acid and caffeine. I. Străchinaru. Zhur. nevr. i psikh. 63 no. 7:1089-1093 '63.

GLUTATHIONE

Change in the amount of sulfhydryl groups and reduced glutathione in the brain of white mice following inhibition of nervous activity induced by barbamil, urethane and medinal. V F. Dunaeva, E. F. Ivanenko. Farm. i toks 26 no. 1:22-28 Ja-F '63.

GLYCERIDES

Lipides. Part 24: Synthesis of monoacid triglycerides by the re-esterification of triacetins with methyl esters of higher fatty acids. T. K. Mitrofanova and others. Zhur. ob. khim. 34 no. 6:1906-1908 Je '64.

GLYCEROL

Method for isolating cell nuclei from embryos and seedlings of wheat in glycerin solutions N. A Vasil'eva, L. N. Gofshtein. Dokl. AN SSSR 157 no. 3:696-698 Jl '64.

GLYCIDOL

Nonsymmetrical organic α-oxides. Part 23: Condensation of glycidol ethers with sodium acetoacetic ester. F G Ponomarev, N. I Kopteva, G I Shchetinina. Zhur. ob. khim 34 no. 5:1502-1506 My '64.

GLYCOGEN

[illegible] glucose system and glycogen trans[illegible] cells. M.F. Kharchenko, [illegible] 15 no. 2 73-91 '64

GLYCOLIC ACID

Synthesis of [illegible] and fragments of antibiotics [illegible] organosilicon compounds with [illegible] ethyl ester. T.M. Voron[illegible] I.T. [illegible] M.F. Shostakovskii. Zhur ob khim [illegible] 14 [illegible] My '64

GLYCOLS

[illegible] T.E. Zalesskaia, I.K. Lavrova [illegible] 34 no. 5 [illegible] My '64

[illegible] Part 73. Synthesis [illegible] Marenko. A.S. Agae[illegible] 34 no. 5 1427-1430 My '64

[illegible] derivatives. Part 75. Synthesis [illegible] alkoxymethyl [illegible] 1,3 [illegible] methyl 4 [illegible] Mar[illegible] I.V. Dzhalilov, [illegible] 34 no. 5 1434-1436 My '64

[illegible] Part 15. Some [illegible] acids [illegible] M.P. [illegible] Iz. AN Arm SSR [illegible] 17 no. 3 [illegible] '64

Synthesis of polyvinylene glycol derivatives. O.M. [illegible] and others. Zhur prikl khim 37 no 5,1152-1155 My '64

GLYCOPROTEINS

Dynamics of the serum glycoprotein fractions in experimental cholesterol atherosclerosis. O.A. Saksi'ize. Trudy Inst. klin i eksper kard AN Gruz.SSR 8:173-175 '63

[illegible] glycoproteins for clinical and [illegible] IU.A. Il'kov, F.G. Larskii. [illegible] 333 '64

GLYCOSIDASES

[illegible] glycosidases in animal tissues [illegible] Dokl. AN SSSR 157 no. 3 716-719 Jl '64

GLYCOSIDES

Glycosides of plants of the genus Erysimum. Part 4. Glycosides of Erysimum gypsaceum. R.N.Tursunova, N.K. Abubakirov. Zhur ob.khim. 34 no 6:2084-2088 Je '64

Triterpene glycoside [illegible] from seed cowherb [illegible] Zhur ob khim 34 no 5 1661-1665 My '64

GLYCOSIDES, CARDIAC see Cardiac glycosides

GLYOXYLIC ACID

Biosynthesis of amino acids from the glyoxylic acid in oilseed plants. I.A.Morgunova, Z.G.Evstigneeva, V.L.Kretovich. Dokl. AN SSSR 156 no. 2 467-470 My '64.

GOATS—PARASITES see Parasites—Goats

GOBI ALTAI—JERBOAS

Materials on the mammals of the Gobi Altai (jerboas and Lagomorpha) IU.D.Chugunov. Biul MOIP Otd biol 67 no 6 27-33 N-D '62

GOBI ALTAI—LAGOMORPHA

Materials on the mammals of the Gobi Altai (jerboas and Lagomorpha) IU.D.Chugunov. Biul. MOIP. Otd.biol. 67 no 6 27-33 N-D '62.

GOBIES see subdivision under Black Sea

GOERGEN CASE

The "free world". The rise and fall of Fritz-Aurel Goergen. V.Rozen. Nov.vrem. 21 no.27:29-30 Je '64.

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852

Smirnova-Chikina, E.S. [The poem "Dead souls" by N.V. Gogol'; a literary commentary. A textbook for the teacher] Poema N.V. Gogolia "Mertvye dushi"; literaturnyi kommentarii. Posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 277 p.

GOITER

(see also subdivision under Tomsk Province)

Goiter of the accessory thyroid gland. A.A.Trunina. Trudy Inst klin i eksp khir AN Kazakh SSR 8 91-94 '62.

Immunology of Hashimoto's disease. A.M.Raskin. Vest AMN SSSR 18 no 11 46-50 '63

Influence of the increase of central nervous system tonus on the "goitrogenic" effect of methylthiouracil. V.D. Babnov. Uch zap.Tadzh un 17 Trudy Fak est.nauk no 3 53-61 '58.

GOLD

Sorption of gold on cation exchangers from chloride solutions and its carrier-free isolation. Van Fu-tszium' [Wang Fu-chün] and others. Radiokhimiia 5 no.6:681-684 '63.

GOLD—ELECTRIC PROPERTIES

Emission properties of an Au - Ba system. R.L.Nemchenko, S.E.Strakovskaia. Radiotekh i elektron 9 no 4 761-762 Ap '64

GOLD ISOTOPES

Dosage estimation in intratissue introduction of radioactive colloidal gold. L.A.Kachur, I.I.Pospelova. Vest rent.i rad 38 no.3 59-60 My-Je '63

GOLD ISOTOPES—PHYSIOLOGICAL EFFECT

Squamous metaplasia of the breast epithelium due to irradiation with Au^{198}. O.M.Nosatevich. Vop onk 8 no 10:18-23 '62

GOLD MINES AND MINING see subdivision under Magadan Province

GOLD ORES see subdivision under Gay region (Orenburg Province), Kazakhstan

GOLDSMITHING

Moscow. Gosudarstvennyi istoricheskii muzei. [Catalog of Russian enamels on gold and silver articles; collection of the State Historical Museum and its branches] Katalog russkikh emalei na zolotykh i serebrianykh izdeliiakh, sobraniia Gosudarstvennogo istoricheskogo muzei i ego filialov. Moskva [Sovetskaia Rossiia] 1962. 175 p. plates.
(MH)

GOLDWATER, BARRY MORRIS, 1909-

Who is behind Goldwater. G.Ushakov. Nov.vrem. 21 no.26:30-31 Je '64

GOLODNAYA STEPPE (NORTHERN) see Bet-Pak-Dala

GOLYSHMANOVO DISTRICT—AUDITING AND INSPECTION

Results of neglegence. M.Arshavskii. Fin.SSSR 38 no.7:68 Jl '64.

GOLYSHMANOVO DISTRICT—EMBEZZLEMENT

Results of neglegence. M.Arshavskii. Fin.SSSR 38 no.7:68 Jl '64

GONADOTROPIN—PHYSIOLOGICAL EFFECT

Stimulating heat in sheep out of season. A.M.Amarbaev. Vest. sel'khoz.nauki [Kazakh.] 7 no.2:59-63 F '64.

GONCHAROV, ANATOLII

Compatriot of heroes. V.Vishniakov. Starsh.-serzh. no 6:12-13 Je '64.

GONCHAROV, IVAN ALEKSANDROVICH, 1812-1891

IUbileinaia Goncharovskaia konferentsiia, Ulyanovsk, 1962. [Materials of the Jubilee Goncharov Conference] Materialy. Ul'ianovsk, Ul'ianovskii obl. kraevedcheskii muzei im. I.A. Goncharova, 1963. 317 p.

GONIOMETRY

"Measurement of angles in the manufacture of machinery" by V.IA.Eidinov. Reviewed by A.G.Ivanov, A.I. Ivantsov, A.IA.Rostovykh. Izm.tekh. no.6:56-57 My '64.

GORDON-WALKER, PATRICK, 1907-

Patrick Gordon-Walker. G.Deinichenko. Mir.ekon.i mezhdunar otn no 6 141-142 '64.

GORKI—BRIDGES

Calculating the depth of pile driving into sloping ground. L.M.Makarov. Transp.stroi. 13 no.12:58 D '63.

GOR'KII, MAKSIM, 1868-1936

Keldysh, V.A. [Problems of prerevolutionary proletarian literature; Gor'kii and Russian revolutionary poetry] Problemy dooktiabr'skoi proletarskoi literatury, Gor'kii i russkaia revoliutsionnaia poeziia. Moskva, Izd-vo "Nauka," 1964. 237 p.

Page from the history of Soviet bibliography. IU.M. Laufer. Sov.bibl. no.3:55-60 '64.

GORKIY—HOSPITALS—OUTPATIENT SERVICES

Results of dispensary observation of patients with diabetes mellitus in polyclinics. L.T.Klizchkina. Zdrav.Ros.Feder. 8 no.5:23-25 My '64.

GORKIY PROVINCE—PRESCRIPTION WRITING

Irrational drug prescriptions encountered in pharmacies in the Gorkiy Province. I.K.Nikitina. Apt.delo 12 no.2:64-70 Mr-Ap '63.

GORNO-ALTAYSK AUTONOMOUS PROVINCE

[In the closely knit family of the peoples of the U.S.S.R.] V bratskoi sem'e narodov SSSR. Gorno-Altaisk, Gorno-Altaiskoe knizhnoe izd-vo, 1962. 196 p.
(CSt-H)

GORNO-ALTAYSK AUTONOMOUS PROVINCE—NATURAL RESOURCES

Gorno-Altaysk. Obshchestvennyi nauchno-issledovatel'skii institut. [Study and development of the productive forces of the Gornyy Altai; materials for the first scientific conference of the Public Scientific Research Institute] Ob izuchenii i razvitii proizvoditel'nykh sil Gornogo Altaia; materialy k pervoi nauchnoi konferentsii ONII. [Gorno-Altaisk] Gorno-Altaiskoe knizhnoe izd-vo, 1961. 319 p.
(MH)

GOUT

Rare case of multiple gouty arthritis. V.S.Mamonl, A.K.Shorstnev. Vest.rent i rad. 38 no.3,69-70 My-Je '63.

GRADERS (EARTHMOVING MACHINERY)

Selection of parameters for working units of a motor grader. L.A.Antipov, B.S.Lezhepekov, B.N.Shtav[illegible] Stroi.i dor.mash 8 no 12,4-5 D' 63.

GRADING AND MARKING (STUDENTS)

How to grade behavior? N.Rakhmanin and others. Nar obr no.6 61-61 Je '64

Let's improve the evaluation standards for primary grades. O.V Zaiets' Rad shk 43 no 5 82-83 My '64

GRAFTING

Change in the biochemical indices of tomatoes as a result of vegetative hybridization. A.A.Anantian, E.G. Tarosova, R.E.Varosian. Izv.AN Arm.SSR. Biol. nauki 16 no.9:65-74 S '63.

Dynamics of the accumulation of starch in the shoots and roots of an apple tree as related to the winter hardiness and grafting compatibility in Transbaikalia. I.P. Gavrisheva. Agrobiologiia no.3:432-436 My-Je '64

GRAIN

Brief news. Muk.-elev.prom. 30 no.4:31, 3 of cover Ap '64.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. [Concise report on the fulfillment of research work planned for 1961] Kratkii otchet o vypolnenii nauchno-issledovatel'skikh rabot po tematicheskomu planu 1961 g. Moskva, 1962. 155 p.

GRAIN—CLEANING

Kotliar, L.I., and others. [Design and operation of sieves in screening machines] Konstruktsiia i ekspluatatsiia sit prosolvaiushchikh mashin. Pod red. A.IA. Sokolova. Moskva, 1963. 130 p.
[MICROFILM]

GRAIN—DISINFECTION

Studying the possibility of the utilization of infrared rays in drying and disinfecting grain. A.Levin and others. Muk.-elev.prom. 30 no.2;29-31 F '64.

GRAIN—DRYING

(see also subdivision under Irkutsk)

Studying the possibility of the utilization of infrared rays in drying and disinfecting grain. A.Levin and others. Muk.-elev.prom. 30 no.2;29-31 F '64.

GRAIN—STANDARDS

Amend the All-Union State Standard 3040-55 "Grain. Quality determination methods." N.Godulianov, V.Dorogush. Muk.-elev.prom. 30 no.4:17-18 Ap '64.

GRAIN—STORAGE

Chemical preservation of grain, sunflower seeds and castorbeans with high moisture content. V.Sinel'shchikov, N.Sosedov, M.Riazantseva. Muk.-elev. prom. 30 no.2:16-19 F '64.

GRAIN ELEVATORS

(see also subdivision under Kaliningrad Province)

Preparation of the grain receiving enterprises of the Russian Federation for receiving and disposing of the grain of the 1964 crop. Muk.-elev.prom. 30 no.2:3-5 F '64.

Standardized sliding construction formwork. V.Bal'tsevich. Muk.-elev.prom. 30 no.4:19-21 Ap '64.

GRAIN ELEVATORS—DESIGN AND CONSTRUCTION

Instructions for designing granaries and grain elevators. Biul.stroi.tekh. 21 no 1,15-16 Ja '64

GRAIN ELEVATORS—ELECTRIC EQUIPMENT

Contactless commutator with distributed selective cells in the control systems for elevators. P.Platonov, IU.Mitrofanov. Muk.-elev.prom. 30 no.2:12-14 F '64.

GRAIN HANDLING

(see also subdivision under Kazakhstan; Stavropol Territory; Tselinograd Province; Uzbekistan; Vinnitsa Province; White Russia)

For making work conditions easier and more sanitary. S.Meshakin. Muk.-elev.prom. 30 no.4:6-8 Ap '64.

GRAIN HANDLING—ACCOUNTING

Recording the work of the business accounting section of a grain receiving enterprise. L.Golovko. Muk.-elev.prom. 30 no.4:24-25 Ap '64.

GRAIN HANDLING—ECONOMIC ASPECTS

Investigate the economics of production more thoroughly. Muk.-elev.prom. 30 no.4:1-2 Ap '64.

Readers discuss the problems of the improvement of planning and calculating the costs of grain receiving enterprises. N.Timokhin, I.Chirkin. Muk.-elev. prom. 30 no.4:22-24 Ap '64.

GRAIN-HANDLING MACHINERY

[Assembler's handbook on performing mechanical assembly and special work on grain elevators and grain processing enterprises] Spravochnik montazhnika; po proizvodstvu mekhanomontazhnykh i spetsial'nykh rabot na elevatorakh i predpriiatiiakh po pererabotke zerna. Moskva, TSentr in-t nauchno-tekhn. informatsii i tekhniko-ekon. issl., 1963. 519 p.

Brief news. Muk.-elev. prom. 30 no. 2 21, 31 F '64

GRAIN-HANDLING MACHINERY—ECONOMIC ASPECTS

Need of uniform methods of observing the performance of machines during their testing. IU. Golandskaia Muk.-elev. prom. 30 no. 2:28 F '64.

GRAIN-HANDLING MACHINERY—MAINTENANCE AND REPAIR

Repairing technical equipment; a book review. M. Shaferman. Muk.-elev. prom. 30 no. 2:3 of cover F '64.

GRAIN-HANDLING MACHINERY—TECHNOLOGICAL INNOVATIONS

Conference of inventors and innovators. M. Kvetnyi. Muk.-elev. prom. 30 no. 2:19-21 F '64

GRAIN TRADE

Observe the procedure for paying for grain. D. Teniaev. Muk.-elev. prom. 30 no. 4.8-9 Ap '64.

GRAMICIDIN

Effect of ultrasonic waves on the structure and antibiotic activity of gramicidin-C I E. El'piner, I V Sutokskaia Dokl AN SSSR 157 no 3 729-732 Jl '64

Preparation of gramicidin C derivatives containing heavy atoms L. F. Matiash, V. M Stepanov Zhur ob khim 34 no 5 1658-1661 My '64.

GRANARIES—DESIGN AND CONSTRUCTION

Instructions for designing granaries and grain elevators. Biul stroi tekh. 21 no 1:15-16 Ja '64.

GRANITE

(see also subdivision under Carpathian Mountains; Kazakhstan)

Characteristics of the formation and composition of pegmatite-bearing granitoids. V. V. Arkhangel'skaia Geol. mest. red. elem. no. 22:12-60 '64

Ore mineralization on contacts between granites and serpentinites. M. M. Il'vitskii, G. N. Romanenko. Dokl. AN SSSR 156 no. 2:348-350 My '64.

GRANITE INDUSTRY—SAFETY MEASURES

Anikeev, N. V. [Safety manual for granite workers [roughhewers)] Pamiatka po tekhnike bezopasnosti dlia granitchika (kamnetesa). Moskva, Stroiizdat, 1964. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

GRANOSAN

Characteristics of the course of food poisoning caused by granosan. E. M. Bongard, N. C. Lashchenko. Vop. pit. 22 no. 6:46-52 N-D '63.

GRANULAR MATERIALS

Hydraulic resistance of a stationary granular bed. M. E. Aerov. Khim. i tekh. topl. i masel 7 no. 10:9-16 O '62.

Investigating the interaction of the shield with a rock cushion by means of shield modeling. A. D. Bondarenko. Sbor. trud. Inst. gor. dela AN URSR no. 13:48-58 '63.

GRAPE BREEDING see subdivision under Ukraine

GRAPES

(see also subdivision under Dnieper Valley; Kzyl-Orda Province)

Pigments of the root system of the grapevine. T. IA. Chkuaseli, D. V. Kotaeva. Soob. AN Gruz. SSR 31 no. 1: 139-142 Jl '63.

Viability of grapevine pollen. V. S. Nazarko. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:155-156 '60.

GRAPES—DISEASES AND PESTS see subdivision under Dnieper Valley

GRAPES—IRRIGATION see subdivision under Dnieper Valley

GRAPES—VARIETIES see subdivision under Dnieper Valley

GRAPHIC ARTS

Jurenas, E. [For the beginner in the graphic arts] Pradedanciajam grafikui. Vilnius, Lietuvos TSR kulturos Ministerija liaudies meno rumai, 1963. 33 p. 24 plates [In Lithuanian]

GRAPHIC METHODS

Graphic method for establishing technically based production standards. D. Lopatin. Ekon. sel'khoz. 35 no. 1: 61-66 Ja '64.

Gurskii, I. P. [Functions and the construction of graphs; a textbook for teachers] Funktsii i postroenie grafikov; posobie dlia uchitelei. Izd. 2., ispr. Moskva, Prosveshchenie, 1964. 215 p.

GRAPHIC STATICS

Stankevich, I. I. [Graphic statics; a manual] Grafostatika; uchebnoe posobie. Pod red. A. F. Nikolaeva. [Moskva] Mosk. stankoinstrumental'nyi in-t, 1963. 38 p
[MICROFILM]

GRAPHITE

Use of epoxide resins in the manufacture of impregnated graphite. L. P Tashchilova. Khim. prom. no. 1:303-304 Ap '64.

GRASSES

(see also subdivision under Tien Shan)

Characteristics of the formation and work productivity of the assimilation apparatus in meadow grass stands L N Alekseenko, M F Martynova. Fiziol rast 11 no 3 417-423 '64

Effect of the combination and distribution of the components of grassland mixtures on some of their biological properties and yield N P Akul'shina Uch zap Tadzh un 17 Trudy Fak. est. nauk no 3 73-98 '58

GRATITUDE

Gratitude. G Volkov. Sem'ia i shkola 19 no. 5:3-4 My '64.

GRAVIMETER (GEOPHYSICAL INSTRUMENT)

Veselov, K. E., ed. [Installing, adjusting, repairing, and operating gravimetric devices] Ustroistvo, naladka, remont i ekspluatatsiia gravimetricheskoi apparatury. Moskva, Izd-vo "Nedra," 1964. 223 p.

GRAVIMETRY

Accuracy of gravity surveying and sources of errors. N. IA. Kunin, N. G. Davydov. Razved. i prom. geofiz no. 49:84-100 '63.

GRAVIMETRY—EQUIPMENT AND SUPPLIES

Bench tests of marine gravimetric apparatus. E I. Popov, V. V. Sukhodol'skii Izv AN SSSR. Ser geofiz no 6 801-818 Je '64

GRAVITATION—TABLES, ETC.

Nemtsov, L. D. [Tables of gravitational effects for calculating gravity anomalies due to three-dimensional bodies of arbitrary shape and size] Tablitsy gravitatsionnykh effektov dlia vychisleniia anomalii sily tiazhesti ot ob"emnykh tel proizvol'noi formy i razmerov. Pod red. K. E. Veselova. Moskva, Vses. nauchno-issl. in-t geofizicheskikh metodov razvedki, 1962. 105 p.
[MICROFILM]

GRAVITY

Tiapkin, K. F., and G. IA. Golizdra. [Brief review of present-day methods for weakening the regional background level of gravitation and magnetic fields] Kratkii obzor sovremennykh metodov oslableniia regional'nogo fona gravitatsionnogo i magnitnogo polei. Moskva, Gos. geologicheskii kom-t SSSR, 1963. 49 p.
[MICROFILM]

GRAVITY ANOMALIES

Taking into consideration the vertical gradient of the components of a magnetic field. K. V. Gladkii. Geofiz. razv. no. 15:111-115 '64.

GRAVITY PROSPECTING

(see also subdivision under Pechora Basin)

Calculating the gravitational effect from three-dimensional bodies of arbitrary shape. V. B. Naugol'nikov. Geofiz. razv. no. 15:99-103 '64.

Calculating the gravitational effect of the upper layers of a sedimentary formation. A. G. Saltkhov, L. A. Zharkova. Geofiz. razv. no. 15:86-99 '64.

GRAVITY WAVES

Will we be able to detect gravity waves? M A. Korets. Priroda 53 no. 7:106-108 '64.

GRAYLING see subdivision under Baikal, Lake

GREAT BRITAIN—BALANCE OF PAYMENTS

Foreign exchange problems in the economy of Great Britain. L. Frei. Vnesh. torg. 44 no. 5:61-64 '64.

Sterling in danger. D. Smyslov. Nov. vrem. 21 no. 27: 20-21 Je '64.

GREAT BRITAIN—CIVIL DEFENSE

From the foreign press. V. Vasil'ev. Voen. znan. 40 no. 6:18 Je '64

GREAT BRITAIN—CORROSION-RESISTANT MATERIALS

Selecting corrosion-resistant materials for the fittings [illegible] materials [illegible] Company] [illegible]

GREAT BRITAIN—ECONOMIC CONDITIONS

Foreign exchange problems in the economy of Great Britain. L. Frei. Vnesh. torg. 44 no. 5:61-64 '64.

GREAT BRITAIN—FEEDS

Production of mixed feeds in England, France and Italy. Muk.-elev. prom. 30 no. 2:22-27 F '64.

GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA

"Britain, Russia and the armed neutrality of 1780" [in English] by Isabel de Madariaga. Reviewed by N. N. Bolkhovitinov Ist. SSSR 8 no. 1:206-209 Ja-F '64.

GREAT BRITAIN—HISTORY

IUldashbaeva, F. Kh. [From the history of English colonial policy in Afghanistan and Central Asia; the seventies and eighties of the 19th century] Iz istorii angliiskoi kolonial'noi politiki v Afganistane i Srednei Azii (70-80 gody XIX v.) Tashkent, Gosizdat UzSSR, 1963. 189 p.

GREAT BRITAIN—MARITIME LAW

Decisions of English courts. Inform. sbor TSNIIMF no. 86. Mor. pravo i prak. no. 19:73-76 '63.

GREAT BRITAIN—MERCERIZATION

Automatic control system for the mercerization process developed by the Curtolds Company. L. V. Saulova, IU. L. Bezusiak Khim prom [Ukr] no 1.87-89 Ja-Mr '63

GREAT BRITAIN—MINE DUSTS

Efforts to control dust in coal mines in England V. S. Nikitin Ugol' 39 no. 6:65-67 Je '64.

GREEK MATHEMATICS see Mathematics, Greek

GREENHOUSE MANAGEMENT

[Vegetable gardening] Darzenkopiba. Riga, Latvijas Valsts izd-ba. [In Latvian]
Pt. 2. Veveris, J., comp. [Growing vegetables under glass] Zemstikla darzenkopiba. 1963. 398 p.
(DNAL)

GREENHOUSE PLANTS—DISEASES AND PESTS see subdivision under Sverdlovsk

GREENHOUSES—HEATING AND VENTILATION

Using electric heating in solar greenhouses. L. G. Prishchep, Sia De-tszi [Hsia Te-chi]. Izv. TSKHA no. 5:210-218 '63.

GREENLAND—FISHERIES—RESEARCH

Exploring fishing grounds of importance for trawling in the region off western Greenland L N Pechenik, I. N Sidorenko Nauch.-tekh biul. PINRO no 2/3 11-16 '62

GREENLAND SEA—MARINE SEDIMENTS

Deep-sea deposits in the northern part of the Greenland Sea. N A. Belov, N. N Lapina Nauch.-tekh biul PINRO no. 2/3:51-53 '62

GREENLAND SEA—SEAWATER—COMPOSITION

Oxygen and biogenic elements in the Atlantic waters of the Norwegian and Greenland Seas. L. S. Ponomarenko, M A Istoshina. Nauch.-tekh biul PINRO no. 2/3 44-48 '62

GREENLAND SEA—TEMPERATURE

Hydrological conditions in the Norwegian and Greenland Seas in 1961 A P Alekseev, B. V Istoshin, L. R Shmarina Nauch.-tekh biul PINRO no 2/3 41-44 '62

GREEN'S FUNCTIONS

Symmetrization principle for multiply connected regions. I. P. Mitiuk. Dokl. AN SSSR 157 no. 2 268-270 Jl '64.

GRINDING AND POLISHING

Burnishing large shafts with wide self-adjusting rolls. V. M. Braslavskii. Vest. mashinostr. 44 no. 2:39-43 F '64.

Cutting forces in grinding gear wheels with a conic wheel by the method of burnishing. S. M. Kuznetsov. Stan. i instr. 35 no. 5:33-34 My '64.

Effect of the mass of the manufactured object on the physical state of the surface layers of the metal in repeated grinding. B. D. Hrozin and others. Dop. AN URSR no. 6:769-773 '63.

Grinding of spherical surfaces in piece production. P. Z. Cherkasskii, P. A Brandt. Mashinostroitel' no. 5:33 My '64.

Machining of part surfaces in vibratory units. M. E. Shainskii, A. N. Levchenko. Mashinostroenie no. 1:28-31 Ja-F '64.

Mechanical lapping of conic holes. I. G. Gurin. Mashinostroenie no. 1:73-74 Ja-F '64.

Nikitin, A. P. [Diamond grinding and lapping of hard-alloy cutting tools] Almaznaia zatochka i dovodka tverdosplavnogo instrumenta. Leningrad, 1964. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

Savinov, N. N. [30 years at a grinding machine] 30 let u shlifoval'nogo stanka. [Kaluga] Kaluzhskoe izd-vo, 1961. 39 p. (Novatory proizvodstva)
[MICROFILM]

Sovkin, V. F., and others. [Increasing the productivity and improving the quality of surfaces subjected to grind- [illegible] kache- [illegible] Kuiby- [illegible] p.

Using synthetic diamond grinding wheels in machining chip-breaking grooves in cutting tools. G. F. Skripko, A. B. Gol'dman. Mashinostroenie no. 1:9-10 Ja-F '64.

GRINDING MACHINES

[illegible] 3 '64

[illegible] for lapping shaped parts A. M. [illegible] no 5 25 My '64

GRINDING MACHINES—ATTACHMENTS

[illegible] Vakhrami [illegible]

[illegible] N I [illegible] Ap '64

[illegible]

[illegible] grinding general [illegible] tubes. [illegible] 13 Ja '64.

GRINDING MACHINES—SAFETY MEASURES

[illegible] A D [illegible] 26 Ap '64

GRINDING WHEELS

[illegible], E. A. [Methods for increasing and reducing the hardness of abrasive tools] Metody povysheniia i ponizheniia tverdosti abrazivnykh instrumentov. Leningrad, 1964. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

Performance efficiency of abrasive wheels in sharpening planing knives. K. I. Dem'ianovskii, V. D. Dunaev. Der. prom. 13 no. 3:9-12 Mr '64.

GROCERY TRADE

[illegible] "Progress" [illegible] S Safar [illegible] Sov torg [illegible] 22-24 Mr '64

[illegible] means to count [illegible] Sov torg 37 [illegible] '64

GRODNO—HISTORICAL MUSEUMS

Grodno. Gosudarstvennyi istoriko-arkheologicheskii muzei [Guide through the halls of the Grodno State Museum of History and Archaeology] Putevoditel' po zalam Minsk, Gos. izd-vo BSSR, 1963. 236 p.

GRODNO PROVINCE—COWS

[illegible] use of breeding cows in animal husbandry. V P [illegible] Trudy Bel nauch-issl inst zhiv [illegible] '62

GRODNO PROVINCE—DAIRY CATTLE BREEDING

Red White Russian cattle in Grodno Province and measures for its further improvement S I Tuzov. Trudy Bel nauch-issl inst zhiv 3 65-96 '62

GROUND-EFFECT MACHINES

Ruzhitskii, E I. [Aerial all-purpose vehicles] Vozdushnye vezdekhody Moskva, Izd-vo "Mashinostroenie," 1964 176 p

GROUPS, THEORY OF

Effect of the π-properties of subgroups on the properties of a finite group IA G Berkovich Sib. mat zhur. 5 no 1:14-21 Ja-F '64

Representation of coded regular events in abstract finite automata. N. V. Krylov. Ukr. mat. zhur. 16 no. 3: 335-383 '64.

Riemann spaces with a reducible isotropy group IA Shapiro T Temirov Dokl AN SSSR 157 no 3 539-541 Jl '64

Solvability of finite groups P. I. Trofimov. Sib. mat. zhur. 5 no. 1 192-400 Ja-F '64.

Theory of integral representations of finite groups S D Berman Dokl AN SSSR 157 no 3 506-508 Jl '64

Word problem for a certain class of semigroups with a finite number of determining relations E I Greendlinger Sib mat. zhur. 5 no. 1.77-85 Ja-F '64

GROUSE see subdivision under *Ural Mountain region*

GROUTING

Synthetic resin for decreasing the inrush of water during shaft sinking V V Davydov, V V Korendiasev, V I Mitrakov Shakht stroi 8 no. 4 12-13 Ap '64

Using preliminary and consecutive cementing in the Kuznetsk Basin. B. A. Koretskii, G. I. Komarov, V. N. Zhuravlev. Shakht. stroi 8 no. 5:22-25 My '64.

GROWTH

Electroencephalographic changes in Down's syndrome. A. M. Godinova. Zhur. nevr. i psikh. 63 no. 7:1058-1064 '63.

Role of maternal pathology in Down's disease. E. F. Davidenkova and others. Zhur. nevr. i psikh. 63 no. 7:1052-1057 '63.

Ruzakikh, V. V. [Pathogenesis and fundamentals of the contemporary treatment of Down's disease; general fetal dysplasia] O patogeneze i osnovakh sovremennogo lecheniia bolezni Dauna; generalizovannoi fetal'noi displazii. Pod red. V. M. Bunshchikova. Moskva, Vses. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1963. 133 p.
(DNLM)

GROWTH (PLANTS)

Effect of light on the growth and nitrogen fixation of some blue-green algae Muhammad Samah Taha Fiziol rast 11 no 3 424-431 '64

Frost resistance and the rate of growth of young willows in Sverdlovsk V I Shaburov Trudy Inst biol UFAN SSSR no 31 33-37 '63

Rhythmic nature of the growth process V I Kefeli and others Fiziol rast 11 no 3 496-505 '64

Shoot formation and tillering in the meadow fescue (Festuca pratensis Huds) during its first year of life. T I Serebriakova. Biul MOIP Otd biol. 67 no 6 81-95 N-D '62

GROWTH INHIBITING SUBSTANCES

Determination of the effect of dicarboxylic acids and inhibitors on the suction ability of plants. K P Petrov Fiziol rast 11 no 3 531-534 '64

GROWTH PROMOTING SUBSTANCES
(see also subdivision under Perm Province)

Effect of the application of the growth promoting substance of petroleum origin by spraying on the chemical composition and nutritive value of legumes A G Mamedov Dokl AN Azerb SSR 20 no 4 55-58 '64.

Effect of the physiologically active substance of Ustilago zeae (Beckm.) Unger on higher plants. M. S. Dunin, A. D. Volodarskii Izv. TSKHA no. 5:7-19 '63.

Overcoming the incompatibility of remote cotton species and the sterility of produced hybrids with the help of growth stimulators. R. I Koval'chuk. Uzb. biol. zhur. 7 no. 1 20-26 '63.

Use of furfuramide in plant growing. B. M. Anlukhin, R Sh Derev'ianko Khim prom. [Ukr] no 1:82-83 Ja-Mr '63

Use of stimulants in plant growing. U. A. Petrochenko. Shkola i proizv. 8 no. 5:70-71 My '64.

GROWTH PROMOTING SUBSTANCES—PATENTS

Levitin, K. E., and A. D. Melamed. ["NRV" patent; conversations with Azerbaijan scientists] Patent NRV; besedy s azerbaidzhanskimi uchenymi. Moskva, Izd-vo "Znanie," 1964. 48 p. (Novoe v zhizni, nauke, tekhn tekhnike. XI Seriia: Khimiia, no. 5)

GROZNYY—CRACKING PROCESS

Device for the control of the circulation rate of loose materials B Z. Votlokhin. Nefteper i neftekhim. no 4 34-37 '63

GRUM-GRZHIMAILO, VLADIMIR EFIMOVICH, 1864-1928

Vladimir Efimovich Grum-Grzhimailo; on the 100th anniversary of his birth. R. M Mantsev. Izv. AN SSSR. Met. i gor. delo no. 3:3-11 My-Je '64

GUANIDINE—PHYSIOLOGICAL EFFECT

Pharmacological properties of octatensin (2(1'-azacyclooctyl)-ethyl guanidine sulfate) N M Kostygov Farm i toks 26 no 1 28-35 Ja-F '63

GUANYLIC ACIDS

Guanylic ribonuclease of actinomycetes. R. I. Tatarskaia and others. Dokl AN SSSR 157 no 3,725-728 Jl '64

GUATEMALA—MILITARY ASSISTANCE, AMERICAN

Dwight Eisenhower's memoirs. Mir. ekon. i mezhdunar. otn. no 7 122-133 '64.

GUIANA, BRITISH see British Guiana

GUILDS see subdivision under Telavi

GULF STREAM

Geostrophic currents in the northwestern part of the Sargasso Sea and the Gulf Stream area adjacent to it. L. M. Martsinkevich. Trudy Mor. gidrofiz. inst AN URSR 29:43-53 '64.

Hydrologic conditions of the Sargasso Sea and the Gulf Stream area adjacent to it A. E. Gamutilov, IU. V Istoshin. Trudy Mor. gidrofiz. inst. AN URSR 29:28-42 '64.

GUMMOSIS

Effect of some bacterial filtrates, which cause gummose of stone fruits, on the living cells of the peach. T. A. TSakadze. Soob. AN Gruz. SSR 33 no. 1:205-210 Ja '64.

GUMS AND RESINS

Chemization of the coal industry. V. S. Kaminskii. Ugol' 39 no 6:8-12 Je '64.

Use of resins obtained from the bitumen of brown coals. M. H Holovanov, V. V. Borischlebs'kyi, E. A. Kuz'menko. Khim. prom. [Ukr.] no 1:34-36 Ja-Mr '63.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNITE

Using the S-630A unit for guniting reinforced concrete tanks. I. IU. Perel'shtein. Stroi. truboprov. 8 no. 11: 22-23 N '63.

GUNNERY

The fire is accurate! Starsh.-serzh. no. 6:1 Je '64.

GUNPOWDER

Realization of detonation conditions for black powder. A. F. Beliaev, R. Kh. Kurbangalina. Zhur. fiz. khim. 38 no. 3:579-582 Mr '64.

GUNPOWDER, SMOKELESS

Mechanism of the burning of smokeless powder at elevated pressures. A. F. Beliaev, S. A. [illegible] Dokl. AN SSSR 157 no 2:378-380 Jl '64.

GUNSHOT WOUNDS

Clothes imprint on the skin at the bullet exit [illegible] kavskii Sud.-med ekspert 7 no. 2:45-46 Ap-Je '64

Rare case of expertise on a gunshot wound. G A [illegible] Sud.-med ekspert. 7 no 2:44-45 Ap-Je '64

GURIYA—PALEOBOTANY, STRATIGRAPHIC

Spore and pollen complexes in the Upper Pliocene deposits of Guria. I. I. Shatilova. Trudy Inst. paleobiol. AN Gruz. SSR 8:43-62 '63.

GURIYA—PEASANTRY

Peasant land reform in Imeretiya and Guriya (Kutais Government). G A Partselad ze. Soob AN Gruz SSR 31 no 3,765-772 S '63

GUR'YEV—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Once again under the threat of frustration. Zh. [illegible]mukhamedov. Nar. khoz. Kazakh. 22 no. 3:9-12 Mr '64.

GUR'YEV—FISH, CANNED

A confusion in planning. K. IUsupov. Nar. khoz. Kazakh. 22 no. 3,23-24 Mr '64.

GUR'YEV PROVINCE—CANCER—PREVENTION

Experience in the detection of malignant neoplasms A Zh. Sundetov, I. M Abakov. Trudy Inst klin i eksp khir AN Kazakh SSR 8:19-20 '62

GUR'YEV PROVINCE—LEAF BEETLES—EXTERMINATION

Promising preparations in the control of the [illegible] leaf beetle Theone silphoides N. A. N[illegible] Vest. sel'khoz. nauki [Kazakh.] 7 no. 6 31-34 Je '64

GUR'YEV PROVINCE—PARASITES—SHEEP

Paramphistomiasis of sheep in Gur'yev Province [illegible] Karabaev, M. Imangaliev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:77-82 F '64.

GUR'YEV PROVINCE—POTATOES—IRRIGATION

Irrigation system for potatoes in the lower Ural River Valley. K. Kisykbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:43-46 F '64.

GUR'YEV PROVINCE—TREMATODA

Paramphistomiasis of sheep in Gur'yev Province. [illegible] Karabaev, M. Imangaliev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:77-82 F '64.

GYANDZHA (AZERBAIJAN)—HISTORY

Founding date of the city of Gyandzha. M. Kh. Sharifli. Dokl. AN Azerb. SSR 19 no. 6:89-93 '63.

GYMNASTICS, MEDICAL see Exercise therapy

GYMNOSPERMS, FOSSIL see subdivision under Maritime Territory

GYNECOLOGY

Comparative characteristics of the results of treating gynecological diseases at the Ayak-Kalkan and Alma-arasan balneological health resorts. A. S. [illegible] Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:80-83 '64

Heliotherapy for gynecological patients. S. A. Kasy[illegible] Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter 17:143-146 '62.

Respublikans'ka naukovo-praktychna konferentsiia, prysviachena pytanniam dytiachoi ginekologii. 1st, 1959. [Problems of hygiene and physical development of girls (pediatric gynecology); transactions] Pytannia gigieny i fizychnoho rozvytku divchatok (dytiacha ginekologiia) pratsi. Red. kollegiia: R. V. Modianyk ta inshi. Kyiv, Derzhmedvydav URSR, 1960. 169 p.

Rudiuk, M. P., and M. K. Ventskovskii. [Obstetrics and gynecology] Akusherstvo i ginekologiia. Moskva, Meditsina, 1964. 279 p.
(DNLM)

GYNECOLOGY, OPERATIVE

Federmesser, K. M. [Nitrous oxide analgesia in obstetric and gynecologic practice] Anal'geziia zakis'iu azota v akushersko-ginekologicheskoi praktike. Moskva, Meditsina, 1964. 134 p.
(DNLM)

GYPSUM
(see also subdivision under Moscow region)

Mechanism of gypsum effect on the rate of portland cement setting. T. K. Brutskus, E. E. Segalova. Zhur. prikl. khim. 37 no. 5:1126-1130 My '64.

Solubility of gypsum in aqueous solutions of salting-out agents. K. T. Dudnikova, O. IA. Samoilov. Radiokhimiia 5 no. 6:663-666 '63.

Solubility of gypsum in aqueous solutions of the chlorides of lanthanum, praseodymium, neodymium, and samarium at 25°C. Z.I Grigorovich, O.IA Samoilov Radiokhimiia 5 no.6:686-690 '63

Voskresenskii, S.K., ed. [Production of 32% P_2O_5 phosphoric acid by the decomposition of apatite by sulfuric acid with the crystallization of gypsum] Proizvodstvo fosfornoi kisloty kontsentratsiei 32% P_2O_5 razlozheniem apatita sernoi kislotoi s kristallizatsiei gipsa. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1962. 15 p.

[MICROFILM]

GYROCOMPASS

[Estimating gyrocompass errors in navigation] Uchet pogreshnostei girokompasa v sudovozhdenii. [By] E.L.Smirnov i dr. Moskva, "Transport," 1964. 66 p.

GYROCOMPASS—TESTING

Unperturbedness conditions for a single-rotor gyrocompass. G.D.Bliumin, M.V.Chichinadze. Izv.AN SSSR. Mekh i mashinostr. no.3:71-78 My-Je '64.

GYROSCOPE

Algebraic integrals in the problem involving the motion of a heavy gyrostat around a fixed point I A.Keiss, Prikl.mat.i mekh. 28 no.3:516-520 My-Je '64

Conditions for the nondisturbance of a gyroscope frame. D.M.Klimov. Prikl.mat.i mekh. 28 no.3 511-513 My-Je '64.

Gyroscopic power stabilizer with a dynamic vibration damper. I.V.Novozhilov, N.V.Shatalov. Izv.AN SSSR.Mekh.i mashinostr. no.3:87-89 My-Je '64

Linear integral of the cyclic motion of a gyroscope in gimbals. A.A Bogoiavlenskii. Prikl.mat.i mekh. 28 no.3,506-510 My-Je '64.

Motion of a free gyroscope taking into consideration internal friction in flexible elements of its structure. L.I.Korgu, I.M.Okon, L.I.Roberman. Izv.AN SSSR. Mekh.i mashinostr. no.3;152-154 My-Je '64.

Motion of the Kovalevskii gyroscope. IU.A.Arkhangel'skii. Prikl mat i mekh. 28 no 3 521-522 My-Je '64.

Nazarov, B.I. [Gyroscope in a rocket] Giroskop na rakete. Moskva, Voenizdat, 1964. 101 p. (Za voennotekhnicheskie znaniia. Raketnaia tekhnika)

Systematic deflexion of a three-axial gyroscopic platform induced by its angular vibrations. V.A.Zinenko. Izv. AN SSSR.Mekh.i mashinostr. no.3;79-86 My-Je '64.

GYROSCOPIC INSTRUMENTS

Rivkin, S.S. [Theory of gyroscopic devices] Teoriia giroskopicheskikh ustroistv. Leningrad, "Sudostroenie,"

Pt.2. 1964. 547 p.

GZHATSK DISTRICT—COLLECTIVE FARMS—FINANCE

Potentials for raising the profitability of production on flax-growing farms. V.Aleshin. Ekon.sel'khoz. 35 no.1:69-74 Ja '64.

HADDOCK see subdivision under Barents Sea

HAFNIUM

Method for the production of reaction-pure hafnium salts. I V.Vinarov, N.P.Khromova. Khim.prom. [Ukr] no.1:45-46 Ja-Mr '63.

HAFNIUM CARBIDES

Heat of formation of hafnium carbide as dependent on the composition. V.I.Zhelankin, V.S.Kutsev. Zhur. fiz.khim. 38 no.3;562-564 Mr '64.

HAIRDRESSING

(see also subdivision under Kuybyshev)

Chemical curling IA Bronshtein Zhil.-kom.khoz. 13 no 9 32 S '63

HALHIN GOL, BATTLE OF, 1939

Military calendar. Voen znan. 40 no.6:48 Je '64.

HALLUCINATIONS AND ILLUSIONS

Kregzde, S. [Hallucinations, dreams, hypnosis] Haliucinacijos, sapnai, hipnoze. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 31 p. [In Lithuanian]

HALOGENS

(see also subdivision under Dnieper-Donets Lowland; Pripet Valley)

Haloalkyl sulfides. Part 2: Reaction of alkylene sulfides with halogens and sulfuryl chloride. G.IU.Epshtein, I.A.Usov, S.Z.Ivin. Zhur.ob.khim. 34 no.6;1948-1951 Je '64.

HAMMERS—TESTING

Quality of fitters' hammers. I.V.Trush. Metalloved. i term.obr.met. no.6:46 Je '64.

HAND—DISEASES

Etiology, pathogenesis and clinical aspects of Dupuytren's contracture. P.D.Topalov. Ortop., travm.i protez. 24 no.12;36-41 D '63.

HANDICAPPED CHILDREN—EDUCATION

Schools for the deaf, blind and mentally handicapped children A D'iachkov Nar obr no 7 22-25 Jl '64

HANGING

Accidental hanging V N Ovsiannikov, E G Kolpashchikov, L A Zimina Sud -med ekspert 7 no 2 48-49 Ap-Je '64

HANGÖ, BATTLE OF, 1714

Military calendar Voen znan 40 no 6 48 Je '64.

HARBORS—COLD WEATHER OPERATION

Calculation of a perforated pipeline for the uniform distribution of heat along its length. B S.Borodkin. Trudy LIVT no.46:5-13 '63.

HARD FACING

Economic efficiency of metal deposition processes. N.P.Sidelev, V.I.Kalganov. Sbor.st.NIITIAZHMASHa Uralmashzavoda no.3:92-98 '64.

HARD FACING—EQUIPMENT AND SUPPLIES

Mechanized hard facing of small bells with hard alloys. N M.Leleko, L.M.Sachavskaia, G.F.Kriger. Sbor st.NIITIAZHMASHa Uralmashzavoda no.3:65-70 '64

New brands of powder wire for wear-resistant hard facing. B.V.Stepanov. Sbor st.NIITIAZHMASHa Uralmashzavoda no.3:80-91 '64.

HARD FACING—HANDBOOKS, MANUALS, ETC.

Kulishenko, B.A., and others. [Hard facing of metals; a worker's pocket handbook] Naplavka metallov; karmannyi spravochnik rabochego. Moskva, Izd-vo "Mashinostroenie," 1964. 130 p.

HARD FACING—TESTING

Wear resistance of automatic hard facing during sliding friction. M.I.Rustamov. Dop.AN URSR no.6:778-782 '63.

Wear resistance of certain hard facings and standard steels used for metal dies for operation in an abrasive medium V S Popov, N S Dmitrichenko Izv.vys. ucheb zav., chern met 7 no 6 139-142 '64

HARDBOARD

(see also subdivision under Moscow)

Floor boards made of wood and fibers. V.Pos'kin. Stroi.i arkhit. 12 no.5;35 My '64.

HARDNESS

All-Union seminar on contact hardness. L.A.Gogava. Stan.i instr. 35 no 5;43-44 My '64

Anisotropy of the microhardness of some semiconducting compounds. T.I.Lange, D.V.Gitsu, V.N.Lange. Izv.AN SSSR,Ser.fiz. 28 no.6.1080-1084 Je '64.

HARDNESS—MEASUREMENT

Standard device for measuring the hardness of internal hardened and unhardened surfaces of cylinders I.A Begagoen, V.I.Bykov. Sbor nauch.trud KGRI no.21 179-183 '63.

HARE see subdivision under Vorskla Valley

HARMONIC FUNCTIONS

Some boundary value problems for Laplace's equation with discontinuous boundary conditions. N E. Tovmasian. Sib. mat. zhur. 5 no.1.174-185 Ja-F '64.

HARMONY

Tiulin, IU.N. [Short theory course in harmony] Kratkii teoreticheskii kurs garmonii. Izd.2. Moskva, Muzyka, 1964. 166 p. (V pomoshch' pedagogu-muzykantu)

HARP SEAL

Variability of craniological characteristics in the harp seal (Pagophilus groenlandicus Erxleben 1777). A.V. IAblokov, D.E.Sorzhent. Zool.zhur. 42 no.12:1857-1866 '63.

HARVESTING MACHINERY

Complex of machines for harvesting grain, straw, and husk. S.A.Strokov. Trakt i sel'khozmash. no.6:34-36 Je '64.

Komarova, M.K., and N.V.Filatov. [Overall mechanization of straw harvesting] Kompleksnaia uborka solomy. Moskva, Rossel'khozizdat, 1964. 51 p.

Regulating harvester reels. N.B.Bok. Trudy TSel. sel'khoz.inst. 1:160-164 '63.

Sugar-beet harvesting combine. Mashinostroenie no.1: 114-116 Ja-F '64.

HASSEL, KAI-UWE VON, 1913-

Kai-Uwe von Hassel. N.Golovanov, L.Makarov. Mir. ekon.i mezhdunar.otn. no.7:119-120 '64.

HAZEL see subdivision under Bryansk Province; Ural Mountain region

HEAD

Anatomy of the head of therocephalians; vessels, nerves and glands of Moschowhaitsia. L.P.Tatarinov. Paleont.zhur. no.2:72-84 '64.

HEAD—WOUNDS AND INJURIES

Klumbys, Leonas. [Head injuries] Galvos traumos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 30 p. (Gydytojo praktiko biblioteka) [In Lithuanian]

(DNLM)

HEALTH EDUCATION see subdivision under Kanash (Chuvashia), Moscow

HEALTH RESORTS, WATERING PLACES, ETC. see subdivision under Aktash (Tashkent Province), Bostandyk District; Ivanovo, Kazakhstan; Krasnodar Territory; Sverdlovsk Province; Uzbekistan

HEARING

Functional demarcation of symmetric points in the acoustic analysor. I.V.Andguladze. Soob.AN Gruz. SSR 34 no.1 175-180 Ap '64

HEARING AIDS

From the Collegium of the Ministry Sots.obesp 25 no 5 52-53 My '64

HEART

Depressive action of dicoumarin on the heart and the role of oxygen in this effect IA.I Zaidler Farm i toks. 26 no 1 64-66 Ja-F '63

Effect of strophanthin on the heart following the action of crabohydrate metabolism inhibitors G N Chetverikov Farm i toks 26 no 1 58-63 Ja-F '63

HEART—BLOOD SUPPLY

Venous system of the myocardium in the age-related aspect and in ischemia. N.A.Dzhavakhishvili, M.E. Komakhidze. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:327-330 '63.

HEART—DISEASES

Answer to N.S.Zhdanova's review published in "Azerbaidzhanskii meditsinskii zhurnal," no 3, 1963. A.Kh.Kuliev, T Kh.Azizbekova, S.A.Alizade Azerb. med. zhur 40 no.10;66-71 O '63

Dynamics of autoimmunological reactions during development of experimental heart lesions A M Monaenkov Vest AMN SSSR 18 no 11 36-42 '63.

Effect of ionizing radiation on the heart. P.D Gorizontov, B.B.Moroz. Trudy Inst.klin i eksper.kard.AN Gruz.SSR 8;493-498 '63.

Experimental reproduction of myocardial lesions due to affection of the central nervous system. I.K.Shkhvatsabaia. Trudy Inst.klin.i eksper.kard AN Gruz. SSR 8;411-415 '63

Myocardial stress and functional reserve of the heart in hyperfunction and insufficiency V V.Parin, F Z Meerzon. Vest.AMN SSSR 18 no 8:20-32 '63

Pathogenesis of myocardial dystrophy in chronic irritation of the gallbladder. K.I TSintsadze and others. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8;301-314 '63.

Reflex reactions in experimental cardiac pathology. A.I.Khomaziuk. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;427-430 '63.

Regulation of the minute volume of the blood according to research data on congenital heart defects. L.L. Shik. Trudy Inst.klin.i eksper kard.AN Gruz.SSR 8;381-384 '63.

Some biocatalysts of the blood in heart defects with different degrees of blood circulation insufficiency. V.B.Litanishvili. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;391-394 '63.

Sudden death of an 8 $\frac{1}{2}$ -month-old infant caused by idiopathic myocarditis complicated by heart rupture L P Rozin. Sud -med ekspert 7 no.2:56 Ap-Je '64

Use of automatic logical devices for medical control. R.M.Baevskii and others. Biul.eksp.biol.i med. 56 no.8;116-120 Ag '63.

X-ray and pathomorphological comparisons between cardiac changes in anthracosilicosis. A.I.Nesis and others. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no 2: 50-55 '64.

HEART—HYDATIDS

Echinococcosis of the heart. I.I.Toshinskii. Uch.zap. Stavr.gos med.inst. 8.145-149 '63.

HEART—INFARCTION

Cerebrovascular disorders in myocardial infarct; autopsy data. O.S.Nikonova, E.A.Stepanova. Zhur.nevr.i psikh. 64 no.5:667-669 '64.

Changes in the nervous system in experimental myocardial infarction caused by a ligation of the coronary arteries. G.M.TSvetkova. Trudy SMI 15;217-225 '62.

Clinical aspect and diagnosis of a pseudoabdominal form of angina pectoris and myocardial infarction. N.B. Shchupak. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8;337-339 '63.

Depressed knee reflexes in acute myocardial infarct. A.G.TSerefman. Zhur.nevr.i psikh. 64 no.5:670-674 '64

Effect of measured physical stress on the course and restitution of experimental myocardial infarct. M G. Shevchuk, E.N Isakova. Pat.fiziol.i eksp.terap. 7 no.6;42-45 N-D '63.

[illegible] electrical and [illegible] A P Fedorova [illegible] 18 no 3 18-24 [illegible]

[illegible] disorders in the blood supply of the heart [illegible] during the acute stage of [illegible] infarction M E Raiskina, Z T Samoilova, [illegible] Trudy Inst klin i eksper kard AN Gruz [illegible] 8 415-422 '63

[illegible] with serious disorders of cerebral circulation, acute rhythm disorders and perforation of the interventricular septum M A [illegible] G F Bolk[illegible] Trudy Inst.klin i eksper kard AN Gruz SSR 8 341-347 '63

HEART—INFLAMMATION

[illegible] on the nature of some changes [illegible] experimental theophylline-adrena[illegible] [illegible] graphic study I N [illegible] Pat fiziol i eksp terap 7 [illegible]

HEART—INNERVATION

Changes in cardiac activity during different age periods in rats with lesions of some sections of the brain. T.P.Shliafer Trudy Inst.klin i eksper kard AN Gruz SSR 8-511-513 '63.

Influence of the vegetative nervous system on the heart activity and [illegible] of rabbits. L.I.Frolova. Pratsi [illegible] no.6 147-149 '60.

Mechanisms of the central effects of the vegetative nervous system on cardiac activity. V.I.Klimova-Cherkasova Trudy Inst.klin.i eksper kard.AN Gruz.SSR 8 525-527 '63.

Reflex reactions in experimental cardiac pathology. A I Khomaziuk Trudy Inst.klin i eksper kard.AN Gruz SSR 8·427-430 '63.

Regeneration of nerve elements of the left ventricle after its injury by diathermocoagulation E V Gusareva Dokl AN SSSR 157 no 3 733-736 Jl '64

HEART—MUSCLE

Hexokinase activity in brain, myocardial and striated muscle homogenates during anesthesia. N A Sveshnikova. Biul.eksp.biol.i med. 56 no 8:57-59 Ag '63.

Method of ultraviolet and luminescent characterization of the myocardium A N Banaru. Trudy Inst.klin.i eksper kard.AN Gruz SSR 8;423-426 '63.

Oxidative and glycolytic phosphorylation of the myocardium in experimental E-avitaminosis. R.I.Gvarishvili Trudy Inst klin i eksper kard AN Gruz.SSR 8:321-325 '63.

Role of vitamin B_{12} in the activation of the genetic apparatus of differentiated cells in the case of their increased physiological function. A G.Bazardzhian, E M Leikina, K K Antipova Dokl.AN SSSR 157 no 2: 440-442 Jl '64

Some functional and morphological data on the state of the myocardium in experimental hypothyreosis. N.A Kurdiani Trudy Inst.klin i eksper kard.AN Gruz. SSR 8·297-300 '63.

Study of protein metabolism of heart muscle in atherosclerosis Z A Sokolova D G Grigor'ian. Dokl AN SSSR 157 no 3 740-743 Jl '64

Study of the paths of ammonia formation and its elimination in the myocardium in experimental thyrotoxicosis. N D.Tabatadze. Trudy Inst.klin i eksper.kard.AN Gruz.SSR 8;315-319 '63

Work of the muscular trabecula in relation to stress and initial length. M.G.Udel'nov, A.P.Fedorova, Biul.eksp.biol.i med. 56 no.8;3-7 Ag '63.

HEART—RADIOGRAPHY

X-ray diagnosis of insufficiency of the mitral valve. M.A.Ivanitskaia. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;515-518 '63.

HEART—SOUNDS

Clinical phonocardiographic observations of extrasystoles in children. M.K.Oskolkova, T.I.Ternova Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8.475-476 '63.

Phonocardiographic changes in mitral defects. T.G. Didebulidze. Trudy Inst klin.i eksper.kard.AN Gruz. SSR 8;367-371 '63.

Phonocardiographic diagnosis of functional systolic murmurs. R.D.Dibner. Trudy Inst klin.i eksper. kard.AN Gruz.SSR 8;487-491 '63.

Presystolic and diastolic murmurs of a functional origin. Z.K.Chkhaidze. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8;373-378 '63.

HEART—SURGERY

Echinococcosis of the heart I.I.Toshinskii Uch zap Stavr gos med inst 8 145-149 '63

The heart must be in order. L.Smirnov. Sem'ia i shkola 19 no 5:40-41 My '64.

Results of operations on the open heart. P.A.Kuprilanov, A.P.Kolesov, M.I.Burmistrov. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;603-608 '63.

Surgical treatment of acquired heart defects. S.A. Kolesnikov. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8;651-655 '63.

Tasks of functional diagnosis in cardiac surgery. G.G. Gel'shtein, R.A.Meitina. Trudy Inst.klin.i eksper. kard.AN Gruz.SSR 8;657-662 '63.

Levant, A D. [Clinical aspects, diagnosis and surgical treatment of tricuspid stenosis] Klinika, diagnostika i khirurgicheskoe lechenie trikuspidal'nogo stenoza Moskva, Meditsina, 1964. 154 p.
(DNLM)

HEART FAILURE

Use of a powder from the leaves of Digitalis ciliata in treating chronic cardiac insufficiency. K.G.Vashakidze. Trudy Inst.klin.i eksper kard AN Gruz.SSR 8;357-360 '63.

HEAT

Svitkov, L.P. [Study of heat in a secondary school physics course] Izuchenie teploty v kurse fiziki srednei shkoly. Moskva, Prosveshchenie, 1964. 148 p.

HEAT—CONVECTION

Effect of artificial roughness on convective heat transfer. V.I.Gomelauri. Trudy Inst.fiz.AN Gruz.SSR 9;111-145 '63.

HEAT—PHYSIOLOGICAL EFFECT

Changes in the chemical and physical properties of lard and butter during heating. R.Ondreichka, V.Shimko, A.Buchko. Vop pit 22 no 6 43-46 N-D '63.

Cytochemical changes in nerve and liver cells of white rats in hyperthermia [with summary in English]. E.M. Gramenitskii. Arkh.anat.,gist.i embr. 44 no.6.54-61 Je '63.

Effect of overheating on the course and results of treatment of experimental streptococcal focal infection in rats N Askarkhodzhaeva Pat fiziol i eksp terap. 7 no 6 34-37 N-D '63.

Point of application of the injurious action of heat to the cell. N.I.Arronet. Dokl.AN SSSR 157 no.2:437-439 Jl '64.

HEAT—RADIATION AND ABSORPTION

Calculating the asymmetrical heating of an infinite plate under the effect of radiation. IU.V.Vidin, G P Boikov Izv.vys ucheb zav , chern met. 7 no.6 167-172 '64

Radiation from gaseous volumes with arbitrary distribution of the parameters Z.S.Galanova. Vest.LGU 19 no.7 71-80 '64.

HEAT—TRANSMISSION

Calculating heat exchange in cooled gas combustion chambers. S.N. Shorin, O.N. Chipashvili. Gaz. prom. 8 no.1:29-34 '63.

Changes in metal temperature during deoxidation and alloying V S Konovalov Izv.vys.ucheb zav , chern. met 7 no 6 47-51 '64

Heat condition parameters and the aerodynamics of an open-hearth furnace fuel spray I.V Belov, IU D. Postnikov Izv vys ucheb zav , chern met 7 no.6 156-166 '64

Heat exchange between particles and dropping liquid in a fluidized bed. IU.N.Shimanskii, N.I.Syromiatnikov. Khim.i tekh.topl.i masel 9 no.3;12-17 Mr '64.

Heat exchange in deep level chambers. S.I.Lugovskii Sbor nauch.trud KGRI no.21 102-105 '63

Heat transfer coefficient in the transition region from convection to boiling during forced liquid motion in channels. A.A Ivashkevich. Teploenergetika 10 no.10.76-78 O '63

Heat transfer from a gas flow in pipes with large fittings. A.M.Sycheva, N.N.Egorov. Khim.i tekh.topl.i masel 9 no.5;53-57 My '64

Heat transfer from fluid flow in pipes with heavy packing. A.M.Sycheva, N.N Egorov. Khim i tekh.topl i masel 9 no.6;14-18 Je '64.

Investigating the indices of the thermal conditions of a blast furnace bottom in steady and transient conditions of its operation A N Cherniatin. Izv.vys.ucheb.zav.; chern.met. 7 no 6 29-39 '64.

Mikhailova, M.M. [Collection of problems and examples on calculating heat transfer] Sbornik zadach i primerov rascheta po teploperedache. Moskva, Mosk.aviatsionnyi in-t im. S.Ordzhonikidze, 1963. 123 p.
[MICROFILM]

Regulating the thermal conditions of mine air with the help of heat exchangers. A A Nemchenko Sbor.nauch. trud.KGRI no.21;139-140 '63.

HEAT CAPACITY

Changes in volume and heat capacities in aqueous salt solutions. Part 3. IU.A.Epikhin, M.S.Stakhanova, M.Kh.Karapet'iants. Zhur.fiz.khim. 38 no.3;692-696 Mr '64.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref.zhur.: Teploenerg. no.7 Jl '64.

HEAT ENGINEERING—EXPERIMENTS

Gerashchenko, O.A., and V.G. Fedorov. [Technique of the heat-engineering experiment] Tekhnika teplotekhnicheskogo eksperimenta. Kiev, Izd-vo "Naukova dumka," 1964. 161 p.

Calculation of the heat exchangers of liquefying machines. I.P.Mikhailov, N.A.Kosik. Izv.vys.ucheb.zav., energ. 7 no.5;110-120 My '64.

Heat transfer through a wall with longitudinal ribs at large heat flows and surface boiling. V.K.Shcherbakov. Izv.vys.ucheb.zav., energ. 5 no.8;78-86 Ag '62.

New design of the coil type heat exchanger apparatus I.L Andreev, B.A.Danilov. Khim.mashinostr. no.1 5-7 Ja '63.

Optimal bed height for stepped-reflux heat exchangers with fluidized beds A.Pavel Khim.i tekh.topl.i masel 9 no.6;40-44 Je '64

Zariankin, A.E. [Heat exchangers of gas turbine systems] Teploobmennye apparaty gazoturbinnykh ustanovok. Moskva, Mosk.energeticheskii in-t, 1961. 107 p.
[MICROFILM]

HEAT OF ACTIVATION

Determination of the temperature dependence of water activation energy. L.O.Moleshko. Krist.zhid. no.2, 48-52 '63.

HEAT OF ADSORPTION

Absolute adsorption isotherms for nitrogen, benzene, and n-hexane vapors and the heats of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 1 A.A.Isirikian, A.V.Kiselev. Zhur fiz.khim. 36 no.6;1164-1172 Je '62.

HEAT OF FORMATION

Determination of the heat of formation of silicon dioxide by the electromotive force method. L.A.Reznitskii. Zhur.fiz.khim. 38 no.3;760-762 Mr '64.

Heat of formation of hafnium carbide as dependent on the composition. V.I.Zhelankin, V.S.Kutsev. Zhur. fiz.khim. 38 no.3;562-564 Mr '64.

Heats of formation and the nature of chemical bonds in transition metal silicides. IU.M.Golutvin. Zhur.fiz. khim. 36 no.6;1316-1318 Je '62.

Heats of formation, dipole moments, and ultraviolet spectra of the molecular compounds of iodine with organic sulfides. I.G.Arzamanova, E.N.Gur'ianova Dokl.AN SSSR 157 no.2;375-377 Jl '64.

Standard heats of formation of tantalum carbides from the phase Ta_2C. A.N.Kornilov and others. Zhur.fiz khim. 38 no.3;702-707 Mr '64.

HEAT OF SOLUTION

Heat of solution of uranyl nitrate and some of its complex compounds. V.M.Vdovenko and others. Radiokhimiia 5 no.6;739-741 '63.

HEAT-RESISTANT ALLOYS

Diagrams of the rupture strength of heat-resistant alloys Metalloved.i term.obr.met. no.2;31-34 F '64.

HEAT-RESISTANT ALLOYS—OXYGEN CONTENT

Heat-resistance of oxygen-containing titanium. I.I. Kornilov, V.V.Glazova. Izv.AN SSSR.Met.i gor. delo no.3;169-172 My-Je '64.

HEAT TREATING FURNACES see Furnaces, Heat treating

HEATING

Maksimov, G.A. [Heating and ventilation] Otoplenie i ventiliatsiia. Moskva, Vysshaia shkola.
Pt. 1. [Heating] Otoplenie. Izd. 3., perer. 1963. 351 p.

HEATING—REGULATORS

Automatic regulator for single-pipe flow-through systems in central heating. G.E.Brodskii. Nauch.trudy AKKH no.18;178-186 '62.

HEATING FROM CENTRAL STATIONS

Automatic regulator for single-pipe flow-through systems in central heating. G.E.Brodskii. Nauch.trudy AKKH no.18;178-186 '62.

Calculational and operational central heating coefficients for municipal heat and electric power plants. D.P. Taranov, E.A.Neduzhko. Elek.sta. 35 no.4;29-31 Ap '64.

Effect of the increase of thermal loads on the comparative effectiveness of composite and separate power supply systems. A.R.Monastyrskaia. Elek.sta. 35 no.4;24-29 Ap '64.

Efficiency and effective areas of using central heating, centralized heat supply, and electric heating. E.IA. Sokolov. Izv.vys.ucheb.zav.; energ. 7 no.5;51-58 My '64.

Study of single-pipe systems for heating under operating conditions. E.B.Stolpner. Nauch.trudy AKKH no.18; 148-177 '62.

Upon this one should ponder. M.Sel'din. Zhil.-kom.khoz. 13 no.9;31 S '63.

HEATING PIPES—DESIGN AND CONSTRUCTION

Calculation of a perforated pipeline for the uniform distribution of heat along its length. B.S.Borodkin. Trudy LIVT no.46;5-13 '63.

HEATING PLANTS—DESIGN AND CONSTRUCTION

Heating systems; specifications for designs. Biul.stroi. tekh. 21 no.1;8-11 Ja '64.

[illegible] see subdivision under Vale region (Georgia)

HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

Shinkaruk, V. I. [Logic, dialectic and the theory of knowledge, the problem of the indentity of logic dialectic, and the theory of knowledge in Hegel's philosophy] Logika, dialektika i teoriia poznaniia Gegelia, problema tozhdestva logiki, dialektiki i teorii poznaniia v filosofii Gegelia. [Kiev] Izd-vo Kievskogo univ. 1964. 294 p.

HELICOPTERS

Winged assembler. M. Marchukova. Sov. voin 46 no. 11 33 Je '64.

HELICOPTERS—RADIO EQUIPMENT

Operating a control radio station on a helicopter. A. Dudko. Av. i kosm. 47 no. 7:79-83 Jl '64.

HELICOPTERS, MILITARY—MAINTENANCE AND REPAIR

At the landing place B. Litovchenko Tekh. i vooruzh. no 6:56-57 Je '64

HELIUM

Permeability of metal pipe walls to helium. I.S. Lupakov, IU.S. Kuz'michev. Atom. energ. 17 no. 1: 49-52 Jl '64.

HELMINTHOLOGY

Helminth fauna of sheep and goats imported from China and Mongolia N A Gubaidulin. Paraz sel'khoz zhiv Kazakh 3:132-135 '64

[Multivolume manual on the microbiology, clinical aspects and epidemiology of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina.

Vol. 4. [Clinical aspects, pathology, diagnosis and treatment of infectious diseases and parasite infestations. Antibiotics] Klinika, patologiia, diagnostika i lechenie infektsionnykh i invazionnykh boleznei. Antibiotiki. Red. G. P. Rudnev. 1964. 661 p.
(DNLM)

HEMATOLOGY

Geller, L. I. [Physiology and pathology of the spleen; the role of the spleen in the blood system, its correlation with the liver and some endocrine glands] Fiziologiia i patologiia selezenki; rol' selezenki v sisteme krovi, korreliatsii ee s pechen'iu i nekotorymi zhelezami vnutrennei sekretsii. Moskva, Meditsina, 1964. 160 p.
(DNLM)

HEMATOPORPHYRIN

Impulse photostimulation of the adsorbates of hematoporphyrin, chlorophyll, leaf pigments and Mg-phthalocyanine. A. N. Terenin, O. D. Dmitrievskii, D. N. Glebovskii. Biofizika 9 no. 1:25-32 '64.

HEMICHOLINIUM

Pharmacological characteristics of substances inhibiting acetylcholine synthesis in the body S N. Golikov, S. I Loktionov. Vest AMN SSSR 18 no. 8.77-87 '63.

HEMIPTERA see subdivision under Tajikistan

HEMOGLOBIN

X-ray analysis of hemoglobin. M. F. Perutz. Biofizika 9 no. 1:3-12 '64.

HEMOLYMPH

Effect of the transfusion of hemolymph on the transmission of characters and properties in the mulberry silkworm. A. G. Khozinskaia. Agrobiologiia no. 3: 457-459 My-Je '64

HEMOLYSIS AND HEMOLYSINS

Dependence of the kinetics of saponin hemolysis of the erythrocytes from the temperature of the specimen under examination. A. V. Merentsev. Lab. delo no. 6 339-340 '64.

Mechanism of the hemolytic effect of ultrasonic waves. I. E. El'piner, IU. A. Kriger, S. Z. Dobrina. Biofizika 8 no. 6:677-680 '63.

HEMOPOIETIC SYSTEM—TUMORS

Endotheliomatosis as a systemic tumorous lesion. R. D. Shtern, IU. P. Likhachev. Arkh. pat. 25 no. 10: 35-40 '63.

HEMORRHAGE

Hemorrhage in the myocardium in direct heart massage. A. G. Koval', N. V. Cherkavskii. Sud.-med. ekspert. 7 no. 2 49-50 Ap-Je '64.

Some factors influencing the appearance of ventricular fibrillation during clinical death and resuscitation in acute hemorrhage in dogs. N. S. Kolganova. Pat. fiziol. i eksp. terap. 7 no. 6:37-42 N-D '63.

Some problems of the mechanism of the absorption of blood from the abdominal cavity. Z. M. Robakidze. Soob. AN Gruz. SSR 33 no. 1:233-236 Ja '64.

Study of the duration of erythrocyte survival in dogs during acute and chronic loss of blood. N. A. Fedorov, N. A. Gorbunova. Pat. fiziol. i eksp. terap. 7 no. 6:65-70 N-D '63.

HEMP PROCESSING MACHINERY

Machine for baling hemp stalks. M.O. Dobrovol'skyi. Leh. prom. no. 2:38-39 Ap-Je '64.

HEPARIN

Treatment of pulmonary infarction with heparin. F A Efendiev, N.M. Rzaev. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:395-400 '63

HEPATITIS, INFECTIOUS

Fluctuation of the relationship between fluid and solid substances of the body in Botkin's disease Sh I Gugeshashvili Soob AN Gruz SSR 31 no 3 729-736 S '63

Glucose regulation in Botkin's disease in compound therapy with the use of Istisu mineral water. Kh. G Ramazanova. Azerb. med. zhur 40 no. 10.21-27 O '63

Problems in the etiology, epidemiology and laboratory diagnosis of Botkin's disease A A Smorodintsev, D B Golubev, Al A Smorodintsev Vest AMN SSSR 18 no 8:68-76 '63

HERBICIDES

Chemical weeding in corn and millet fields. L I. Khramtsov, G. IA. Lapchenkov. Zashch. rast. ot vred. i bol 9 no. 6:17 '64

Chemistry in the struggle against weeds. G. I. Gordienko. Shkola i proizv. 8 no. 5:72-75 My '64.

Effect of herbicides on weeds in cotton fields. R. Kamilova, E. G. Osipova. Uzb. biol. zhur. 7 no. 1:65-71 '63.

Effective life of herbicides. G. P. Sannikov. Zashch. rast. ot vred. i bol. 9 no. 6:34 '64.

Testing herbicides on plants infesting drainage systems of the Golodnaya Steppe. K. A. Bersonova, U. Mukhitdinov. Uzb. biol. zhur. 7 no. 1:72-77 '63.

HERBICIDES—BIBLIOGRAPHY see Bibliography—Herbicides

HEREDITY OF DISEASE

Data for the study on Klinefelter's syndrome. A M. Ponomarenko. Vest. AMN SSSR 18 no. 12:26-29 '63.

Some clinical characteristics of the initial stages of schizophrenia in children of the preschool age. L. IA. Zhezlova. Zhur. nevr. i psikh. 63 no. 7:1029-1035 '63.

Some general problems of genetics; microbiological research. V. D. Timakov. Vest. AMN SSSR 18 no. 12.3-13 '63.

HERMIT CRABS see subdivision under Atlantic Ocean

HERNIA

State of the blood coagulation system and the use of anticoagulants in patients with strangulated hernia. D.P. Pavlovskii. Khirurgiia 40 no. 2:146-152 F '64.

Strangulation of a paraduodenal hernia in a 6-year-old girl. V. I. Kladovshchikova-Klebanovich. Vest. khir. 91 no 10:104 O '63.

HERRING see subdivision under Chupa Inlet; Onega Bay

HERRING FISHERIES see subdivision under Atlantic Ocean; Georges Bank; North Sea; Norwegian Sea

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

A. I. Hertzen in Bukovina. E. I. Bykova. Uch. zap. Ped. inst. Gerts. 237:245-250 '63.

Great Russian enlightener and revolutionary democrat. A. I. Shcherbakov. Uch. zap. Ped. inst. Gerts. 237:3-7 '63.

Hertsen, A. I. [Collected works in thirty volumes] Sobranie sochinenii v tridtsati tomakh. Moskva, Izd-vo "Nauka."

Vol. 30. [Letters, 1869-1870. Supplements to the edition] Pis'ma 1869-1870 godov: Dopolneniia k izdaniiu.
Book 1. 1964. 474 p.

Historical views of A. I. Hertzen in the 1830's. N. N. Stepanov. Uch. zap. Ped. inst. Gerts. 237:9-155 '63.

Influence of A. I. Hertzen on the interpretation of Russian literature in foreign literary criticism. A. L. Grigor'ev. Uch. zap. Ped. inst. Gerts. 237:157-172 '63.

The London "Kolokol" and the Archangel "Kolokol'chik." G. G. Frumenkov. Uch. zap. Ped. inst. Gerts. 237: 227-243 '63.

New materials on Radishev and Hertzen; a review of the periodical "Zeitschrift für Slavistik". E. G. Plimak, A. E. Volodin. Ist. SSSR 8 no. 1:195-203 Ja-F '64.

On the language used by Hertzen. M. K. Maksimova. Uch. zap. Ped. inst. Gerts. 237:185-225 '63.

Romain Rolland's opinion of Hertzen. A. L. Grigor'ev. Uch. zap. Ped. inst. Gerts. 237:173-184 '63.

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870—BIBLIOGRAPHY see Bibliography—Hertzen, Aleksandr Ivanovich, 1812-1870

HETEROCYCLIC COMPOUNDS

Synthesis of heterocyclic compounds based on E. Fischer's [illegible] A. E. [illegible] Je '64.

HETEROPTERA see subdivision under Soviet Central Asia

HETEROSIS

Morphological and physiological heterogeneity of parent forms and the manifestation of heterosis in hybrid corn. P. G. Luchkov. Uch. zap. Kab.-Balk. gos. un. no. 18:76-78 '63.

HEXACHLORAN

Controlling scarabaeid larvae in vineyards by applying hexachloran to both sides of the row H I Sharuda. Nauk pratsi Nyzhn'odnipr. nauk-dosl. sta po zalis. pisk. i vyn na pisk no 9 123-126 '61.

HEXADIYNE

Mass spectra and structure of organic compounds. Part 8 Mass spectra and structure of C_6H_6 hydrocarbons (1, 3- and 2, 4-hexadiynes and 1, 5-hexadien-3-yne) A A Poliakova, R A Khmel'nitskii, A A. Petrov Zhur ob khim 34 no. 5 1484-1487 My '64.

HEXAMETHYLENIMINE

Sulfenamides based on hexamethylenimine M V. Gorelik and others Zhur ob. khim. 34 no 5 1577-1581 My '64.

HEXOKINASES

Hexokinase activity in brain, myocardial and striated muscle homogenates during anesthesia. N. A. Sveshnikova. Biul. eksp. biol. i med. 56 no. 8:57-59 Ag '63.

HEXONIUM

Influence of novocaine and hexonium on the pressor effect of intraarterial administration of a hypertonic sodium chloride solution. T. I. Honcsina. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:151-153 '60.

HEXOSES

Synthesis and alkylation of phosphites and phosphinites of 1, 2, 3, 5-diisopropylidene galactose and 1, 2, 3, 5-diisopropylidene glucose K A. Petrov and others. Zhur. ob khim 34 no. 5 1459-1462 My '64.

Theoretical calculations of thermal effect of the anaerobic and aerobic oxidation of hexoses. S E Manoilov Biofizika 9 no 1 64-67 '64.

HEXYNE

Simultaneous cyclic trimerization of butylacetylene with phenylacetylene. K. L. Makovetskii, V. O. Reikhsfel'd, L. L. Erokhina. Zhur. ob. khim. 34 no. 6:1968-1970 Je '64.

HIBERNATION

Wintering of Miniopterus schreibersii Kühl. (Mammalia, Chiroptera) in Transcarpathia. N. A. Polushina, V. A. Kushniruk, V. S. Klimishin. Zool. zhur. 43 no. 5: 782-783 '64.

HIDES AND SKINS

Commercial quality of rabbit pelts. V. I. Lepeshkin. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4: 126-151 '63.

Gurari, N. G., and D. F. Ur'iash. [Mechanization of flaying in meat packing plants] Mekhanizatsiia s"emki shkur na miasokombinatakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 98 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

Mashkov, A. N. [How to improve the quality of sheep and goat skins] Kak povysit' kachestvo shkur ovets i koz. Moskva, Izd-vo "Kolos," 1964. 135 p.

HIDES AND SKINS—STANDARDS

[Raw peltries; winter types] Pushno-mekhovoe syr'e; zimnie vidy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 198 p. (SSSR. Gosudarstvennye standarty)

HIGH-PRESSURE RESEARCH

Experimental determination of pressure distribution in a thin circulat plate compressed between two plane anvils. O. IA. Shestopal, IA. I. Shurin. PMTF no. 6: 174-176 N-D '63.

HIGH-SPEED AERONAUTICS

Longitudinal stability and manoeuverability in sonic speed range. V. Kovalev, F. Sklianskii. Av. i kosm. 47 no. 6:76-84 Je '64.

Looking into the tomorrow of aeronautics. V. Pyshnov. Av. i kosm. 47 no. 7:6-10 Jl '64.

HIGH TEMPERATURES

Use of a ring discharge in the derivation of high-temperatures. E. A. Bamberg, E. S. Dorofeeva, S. V. Dresvin. Trudy NIITVCH no. 4:97-107 '63.

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS

Motortruck driver Aleksandr TSvetkov. IU. Razumovskii. Avt. transp. 42 no. 6:11-12 Je '64.

HIKMET, NAZIM, 1902-

In one word. V. Survillo. Nov. mir 39 no. 10:237-251 O '63.

Conditional extreme of a functional in Hilbert space in the case of a continuous number of connections K E TSkilia Soob AN Gruz SSR 31 no 3 529-535 S '63

Extension of a theorem of N.N.Bogoliubov to the case of a Hilbert space. Z.F.Sirchenko. Ukr.mat.zhur. 16 no,3;339-350 '64.

Integral manifold for a system of nonlinear equations, close to equations with variable coefficients, in a Hilbert space. IU.A.Mitropol'skii. Ukr.mat.zhur. 16 no,3;334-338 '64.

Singular lineals in $\Pi_\varkappa$ spaces. I.S.Iokhvidov. Ukr.mat. zhur. 16 no.3;300-308 '64.

Stability of linear Hamiltonian equations with periodic coefficients in Hilbert space. V.N.Fomin. Vest. LGU 19 no.7:37-45 '64.

HIP JOINT—DISEASES

Case of pathological reconstruction of the femoral neck A.S Imamaliev. Ortop , travm.i protez. 24 no 12: 57-59 D '63.

Precise measurement of the cervicodiaphysial angle, the angle of deviation and the "dihedral angle of deviation" of the femoral neck D. E. Koval', IA. B Kutsenok Ortop., travm.i protez. 24 no 12:60-74 D '63

HIP JOINT—DISLOCATION

Method of surgical treatment in congenital hip dislocation. N.Ignatov. Ortop., travm.i protez. 24 no 12:29-32 D '63.

HISTIDINE

Atherosclerosis treatment with histidine. G.I.Mateshvili, S.L.Bagashvili, S.I.Andreeva. Trudy Inst klin.i eksper kard.AN Gruz.SSR 8;113-118 '63.

Effect of "novhiod" on the development and course of atherosclerosis (experimental and clinical aspects). G.V.TSabadze. Trudy Inst klin i eksper.kard.AN Gruz.SSR 8;195-202 '63.

HISTIDINE DECARBOXYLASE

Crystalline histidine decarboxylase obtained from Micrococcus sp. n. S.R.Mardashev, L.A.Semina. Dokl. AN SSSR 156 no. 2:465-466 My '64.

HISTOCHEMISTRY

Atherosclerosis in the light of ultraviolet fluorescence and histochemical analysis. V.Kh.Anastiadi. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;141-146 '63.

Histochemical changes in some internal organs in experimental atherosclerosis. I.IA.Tatishvili, R.V. Kapanadze. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8;151-154 '63.

Principles and methods of the histochemical analysis of enzymes. B.B.Fuks, G.S.Shishkin. Arkh.anat., gist.i embr. 44 no.6:103-113 Je '63.

Some histochemical changes in kidneys following acute experimental nephritis. N.I Kalandadze. Soob AN Gruz.SSR 31 no.2;439-445 Ag '63.

Some histochemical characteristics of the aortic wall in experimental atherosclerosis. N.M.Putkaradze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;147-150 '63.

HISTOLOGY—TECHNIQUE

Method of impregnating microglia in celloidin sections. N. G. Fein. Arkh. pat. 25 no.10,52-54 '63.

HISTORICAL FICTION, WHITE RUSSIAN

National-historical problem in Soviet White Russian literature. P.K Urban. Mat.i soob.Issl otd.Inst.po izuch.SSSR no.46 233-243 '63.

HISTORICAL MUSEUMS see subdivision under Grodno

HISTORICAL MUSEUMS—CONGRESSES

A conference of museum workers. A.V.Ushakov and others. Ist.SSSR 8 no.1.223-227 Ja-F '64.

HISTORICAL RESEARCH

All-Union Conference of Soviet Historians. Ist. SSSR 7 no.2;214-219 Mr-Ap '63.

Coordinated plan of historical research for 1964-1965. M.I.Assaturova. Ist.SSSR 8 no.1;221-223 Ja-F '64.

A historian's research work. A.S.Nifontov. Ist. SSSR 7 no.2;118-140 Mr-Ap '63.

Institute of History of the Academy of Sciences of the U.S.S.R. in 1963. Ist.SSSR 8 no.1;214-217 Ja-F '64.

Noncritical reliance on a source. F. V. Chebaevskii. Ist. SSSR 7 no.2;234-235 Mr-Ap '63.

The study of Russian history should contribute to the solution of present-day problems. Ist. SSSR 7 no.2; 3-22 Mr-Ap '63.

HISTORIOGRAPHY

New development of the Soviet Ukrainian historical science. I Gurzhii, V.Sarbei Komm.Ukr. 39 no 1 46-57 Ja '64.

Shusharin, V.P. [Contemporary bourgeois historiography of ancient Russia] Sovremennaia burzhuaznaia istoriografiia Drevnei Rusi. Moskva, Izd-vo "Nauka," 1964. 302 p.

HISTORY

Moscow. Universitet. Istoricheskii fakul'tet. [Papers of post-graduate students of the History Faculty at Moscow University] Sbornik nauchnykh rabot aspirantov Istoricheskogo fakul'teta MGU. [Moskva, 1963] 303 p.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—STUDY AND TEACHING

All-Union Conference of Soviet Historians. Ist. SSSR 7 no.2,214-219 Mr-Ap '63.

Kurginian, E.A. [Current history; methods manual for teachers] Noveishaia istoriia; metodicheskoe posobie dlia uchitelei. Moskva, Prosveshchenie, 1964. 375 p.

HOCKEY

Trainer of champions. V Sysoev Sov.voin 46 no.12: 40-41 Je '64.

HOFFMANN KILN

Gas equipment of ring kilns for firing bricks. I S. Tyshlar. Gaz.prom. 8 no 3;16-19 '63.

HOG CHOLERA—PREVENTIVE INOCULATION see subdivision under Virgin Territory

HOISTING MACHINERY

Device for lowering the drilling tool. M.D.Fataliev. Mash.i neft.obor. no.3;25-30 '63.

Efficiency of the mechanization of lowering and hoisting operations in drilling E.S.Syromiatnikov. Neft.khoz. 41 no.7;22-25 Jl '63.

Lifting capacity reserve of drilling rigs. G.N.Berzhets Mash i neft.obor. no 1;7-13 '64

Mekler, A.G. [Automatic control of hoisting and conveying machines and systems] Avtomatizatsiia upravleniia pod"emno-transportnymi mashinami i sistemami. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Pribory i elementy avtomatiki)

Methods of determining the technical and economic efficiency of hoisting and transporting operations in major repairs of apartment houses. G A.Sedlukha. Nauch. trudy AKKH no.18:64-86 '62.

New KTG pipe wrenches for screwing and unscrewing pipes in lowering and hoisting operations. G.V.Molchanov. Mash.i neft.obor. no.11:6-7 '63.

Organization and some results of the experimental investigation of a motor-driven grab B P Rumiantsev Trudy LVMI 1 48-58 '62

Stationary hoist and reloader. M L.Hincherman, I.T. Kanivchenko. Leh.prom. no.2:37-38 Ap-Je '64.

HOLLAND see Netherlands

HOME AND SCHOOL

(see also subdivision under Leningrad)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [School, kindergarten and family] Shkola, detskii sad i sem'ia. Pod red. E.I.Volkovoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1959. 165 p. (Pedagogicheskie chteniia)
(NIC)

Editor's mail. Sem'ia i shkola 19 no.5;28-32 My '64.

In our family. V.Pevzner. Sem'ia i shkola 19 no.5; 26-27 My '64.

Pedagogical education of parents. B Orlov. Nar.obr. no 6 46-50 Je '64

School, family and community. Nar obr. no.6:1-5 Je '64.

There is no indifference. E.Musina Nar.obr no.7:123-124 Jl '64

HOME ECONOMICS—STUDY AND TEACHING

Let's teach students to feel beauty. O.T.Berzon. Shkola i proizv. 8 no.5:45-47 My '64.

HOMOGRAFTS

Homotransplantation in adult organisms. H.V.Kraskouski. Vestsi AN BSSR.Ser.biial.nav. no.3 33-41 '63.

HOMOLOGY THEORY

Theory of the homologies of partially ordered sets. A.Pultr. Soob.AN Gruz.SSR 34 no.1;25-30 Ap '64.

HONEY

Free amino acid content in some varieties of honey originating from a single type of flowers. T.IA. Solov'eva, V.I.Bazarova. Vop.pit 22 no 6;69-70 N-D '63.

HONEY PLANTS see subdivision under Perm Province

HOOFS—DISEASES

Therapy of the rheumatic inflammation of hoofs. P.G. Men'shakov. Zap Vor.sel'khoz.inst 17 no 2 271-272 '62.

HOOKWORMS

Hyperparasitism of Bunostomum trigonocephalum on Anoplocephala of the ruminants of Azerbaijan. I.A. Sadykhov, M.L.Kolesnichenko. Dokl. AN Azerb.SSR 20 no.3;66-67 '64.

HORMONES

Photocolorimetric determination of phenol in hormonal preparations M P IAvors'kyi, M M.Fedusiv. Farmatsev zhur 18 no 4 34-39 '63

HORMONES, SEX

Effect of sex hormones on the metastasis of the Brown-Pearce tumor V.D.Vinogradova. Vop.onk. 10 no.2; 105-108 '64.

HORNWORT

Evolution of the genus Ceratophyllum. G.S.Avakov. Trudy Inst.paleobiol.AN Gruz.SSR 8,29-33 '63.

HORSEFLIES see subdivision under Caucasus

HORSES

Development of an expedient scheme of immunizing animals producing serum against tick-borne encephalitis Report No 2; Effectiveness of the utilization of horses in relation to age, sex and breed. IU V. Fedorov. Trudy TomNIIVS 14:235-237 '63.

Development of an expedient system of immunizing animals producing serum against tick-borne encephalitis. Report No.1; Importance of the fractional method of administering the brain antigen in the increase of virus neutralizing antibodies in refractory horses IU.V Fedorov. Trudy TomNIIVS 14;232-234 '63

Restoration of Przhevalskii's horse (Equus przewalskii Pol.) in the U.S.S.R.; its state and prospects. V.D. Treus. Zool.zhur. 43 no.5;757-763 '64.

HORSES—DISEASES AND PESTS

Effect of ascorbic acid on water diuresis in horses P G Men'shakov Zap Vor.sel'khoz inst 17 no 2 283-285 '62

Effect of phenamine on water diuresis in horses. P G Men'shakov Zap Vor sel'khoz inst 17 no.2 279-281 '62

HORSES—PARASITES see Parasites—Horses

HORSES AS LABORATORY ANIMALS

Compound immunization as a method of selecting horses for the production of antitoxic serums. A.P.Panfilova, P.S Dotsenko, E.N.Pozdnova. Trudy Irk.NIIEM no.6 85-89 '61.

Determination of the immunogenic capacity of serums producers by the alexin titer, author's abstract. N.D. Petrova, E.N.Pozdnova. Trudy Irk.NIIEM no.6:107-108 '61.

Determination of the natural immunity to Clostridium perfringens in serum producers, author's abstract. P.S.Dotsenko. Trudy Irk.NIIEM no.6:23 '61.

Immunization of horses with a biostimulant; author's abstract. N.D.Petrova, E.N.Pozdnova. Trudy Irk. NIIEM no.6 105-106 '61.

Intensive scheme for the utilization of horses in the production of antidiphtheriax serum. E.N.Pozdnova. Trudy Irk.NIIEM no.6;76-80 '61.

Selection of horses for serum production, author's abstract. E.N.Pozdnova, N.D.Petrova. Trudy Irk.NIIEM no.6:83-84 '61.

Utilization of horses as producers of antitoxic and antidiphtheriax serum, author's abstract. E.N. Pozdnova. Trudy Irk.NIIEM no.6:81-82 '61.

HOSE

Balanced location of the elements of force in a carcass of a pressure hose. V.T.Treshchalov, V.A.Lepetov. Kauch.i rez. 23 no.4;22-26 Ap '64.

HOSIERY, COTTON

Use of Cotton knitting machines for the manufacture of cotton mercerized and plated hosiery with unlooped round heel. H.D.Gol'denberg. Leh.prom. no.2,43-44 Ap-Je '64.

HOT-WATER HEATING

Calculation of two-pipe systems for hot-water heating based on alternating drops in temperature. S.A. Chistovich. Nauch.trudy AKKH no.18;142-147 '62.

HOT-WATER SUPPLY

Some methods for protecting hot water pipes from corrosion. D.G.IAkovlev. Elek.sta. 35 no 4:34-36 Ap '64.

Using polyethylene pipes for hot-water supply. I.A. Goriacheva, M.M.Sapozhnikov. Nauch trudy AKKH no.18;189-210 '62.

HOTBEDS

[Vegetable gardening] Darzenkopiba. Riga, Latvijas Valsts izd-ba. [In Latvian]
Pt.2. Veveris, J., comp. [Growing vegetables under glass] Zemstikla darzenkopiba. 1963. 398 p.
(DNAL)

HOUSE PLANTS

Tavlinova, G.K., and V.I.Serpukhova. [House and balcony plants] Komnatnye i balkonnye rasteniia. Izd.2., dop.i perer. [Leningrad] Lenizdat, 1964. 170 p.

Krivoshein, I. A. [Household electric heating appliances and equipment] Bytovye elektronagrevatel'nye pribory i ustanovki. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 182 p.

HOUSEHOLD APPLIANCES, ELECTRIC—STANDARDS

[Electrical household appliances] Elektrobytovye pribory. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 191 p. (SSSR. Gosudarstvennye standarty)

HOUSING, COOPERATIVE

Prokopchenko, I. P. [What members of housing cooperatives should know] Chto dolzhen znat' chlen zhilishchno-stroitel'nogo kooperativa. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 105 p.

HOUSING FOR PHYSICALLY HANDICAPPED

For efficient control Sots obesp. 25 no 5 42-43 My '64.

HOUSING MANAGEMENT

(see also subdivision under Kalinin; Morshansk, Tambov Province; Moscow; Nevinnomyssk, Stavropol Territory)

Beginning on a voluntary basis Zhil -kom. khoz. 13 no. 10 1-2 O '63

Voluntary activity is our great strength. Zhil. -kom khoz 13 no 10 10-11 O '63.

We are developing the work on a voluntary basis. V. Biludov Zhil -kom khoz. 13 no. 9:10 S '63.

HUMAN ANATOMY see Anatomy, Human

HUMAN EMBRYOLOGY see Embryology, Human

HUMANISM

Communism is the highest realization of humanism. Kommunist 41 no 11 62-77 Jl '64

HUMERUS—TUMORS

Hemangioma of the diaphysis of the humerus E. M. Ginzburg. Vop. onk. 8 no. 10:84-85 '62.

HUMIDITY

Adaptation of biting midges to different conditions of air humidity. R. M Gornostaeva. Zool. zhur. 43 no. 1:145-147 '64.

HUMUS

Depth of the placement of humus in the fallow for spring wheat. I. N Zhukov Sbor. nauch rab. Sib. nauch -issl. inst. sel' khoz no 6:120-121 '61.

HUNGARY—AGRICULTURAL POLICY

Material incentives in the service of the socialist development of agriculture Imre Dimeny Kommunist 41 no 11 115-120 Jl '64.

HUNGARY—ARCHIVES

Documents on Russo—Hungarian contacts in the Hungarian archives. V. V. Ievlev. S. I. Kuz'min. Ist. SSSR 8 no. 1:209-213 Ja-F '64.

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. nos. 4-5 '64.

HUNGARY—EDUCATION

Visiting with the pedagogues of fraternal Hungary. N. Monakhov. Nar obr. no 6:92-94 Je '64

HUNGARY—HISTORY

Moray, Tibor. [Thirteen days; the story of the Hungarian revolution. Translated from the English] Trinadtsat' dnei; istoriia vengerskoi revoliutsii. New York, F. A. Preger [1961] 318 p.
(MiD)

HUNGARY—INDUSTRIAL ORGANIZATION

Changes in the organization and management of industrial production. Istvan Szurdi. Kommunist 41 no 11.110-114 Jl '64.

HUNGARY—POLITICS AND GOVERNMENT

The Hungarian Socialist Workers Party is for the unity of the international communist movement. Bela Biszko. Kommunist 41 no. 11:102-109 Jl '64

HUNGARY—RELATIONS (GENERAL) WITH RUSSIA

Documents on Russo—Hungarian contacts in the Hungarian archives. V. V. Ievlev, S. I. Kuz'min. Ist. SSSR 8 no. 1:209-213 Ja-F '64.

HUSBAND AND WIFE

Young couple. Boris Riabinin. Sem'ia i shkola 19 no. 5:6-8 My '64.

HYBRID CORN

(see also subdivision under Siberia, Western)

Characteristics of the formation of leaf surfaces in self-pollinated lines and hybrid corn. P. G. Luchkov. Uch. zap. Kab. -Balk. gos. un. no. 18:71-75 '63.

Physiological characteristic of the maternal and paternal self-pollinated lines of corn yielding heterotic hybrids after crossing. M. S. Rubisova. Fiziol. rast. 11 no. 3:473-479 '64.

HYBRID CORN—FERTILIZERS AND MANURES see subdivision under Kazakhstan

HYBRIDIZATION

Hybridization of the species belonging to the genus Citellus Oken. V. P. Denisov. Zool. zhur. 42 no. 12:1887-1889 '63.

HYDATIDS

Change in the blood in echinococcosis V P Bodulin and others Uch zap Stavr gos med inst 8 172-176 '63

Danilevicius, Eduardas. [Echinococcosis and other diseases carried by dogs] Echinokokoze ir kitos sunu platinamos ligos. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 34 p. [In Lithuanian]
(DNLM)

Diagnostic importance of casoni's intracutaneous allergic reaction in echinococcosis IU S Gilevich and others. Uch zap Stavr gos med inst 8 165-171 '63

Echinococcal relapses E S Karashurov, A A Shkarupelov Uch zap Stavr gos. med inst 8 205-212 '63

Foreword V. G Budylin. Uch zap Stavr gos. med inst. 8 3-5 '63

Some problems of the epidemiology, distribution and localization of the echinococcal disease IU S Gilevich and others Uch zap Stavr gos med inst 8 7-29 '63

Some surgical problems in echinococcosis. IU S. Gilevich Uch zap Stavr gos. med inst 8 232-257 '63

HYDATIDS—BIBLIOGRAPHY see Bibliography—Hydatids

HYDRATION

Effect of strong electrolytes on the rate of hydration of calcium oxide. S. I. Kontorovich, E. E. Segalova, P. A. Rebinder. Dokl. AN SSSR 157 no. 2 400-403 Jl '64

HYDRAULIC CONTROL

Calculation of characteristics of a relay hydraulic amplifier. V. L. Sosonkin. Stan. i instr. 35 no 5:15-18 My '64.

Hydraulic control devices in agricultural machinery. N. N. Nastenko. Mashinostroenie no. 1:82-85 Ja-F '64.

HYDRAULIC CONVEYING

Deriving formulas for determining the hydraulic slope of a pulp duct. T. I. Mel'nikov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:119-124 '64.

Estimating the ability of a hardenable mixture to be transported through pipes. E. E. Miroshnik, A. N. Dzhakupbaev. Trudy Inst. gor. dela AN Kazakh SSR 13:120-123 '64.

Feeders for the hydraulic transportation of coal and rock. N. G. Rysin, A. IA. Zhilchenko Ugol' Ukr. 8 no. 4:27-29 Ap '64.

Hydraulic conveying of rocks on the surface of mine undergoing construction. D. A. Levitskii, N. S. Bolotskikh. Ugol' Ukr. 8 no. 5:32-33 My '64.

Hydraulic conveying of rocks used in drainage operations. A. G. Taran and others Shakht stroi 7 no 3 23-24 Mr '63.

HYDRAULIC ENGINEERING

Device for determining the lateral pressure of the soil on a retaining wall. K. I. Chernyshova. Dop. AN URSR no. 6:744-748 '63.

Leningrad. Nauchno-issledovatel'skii institut gidrotekhniki. [Annotations on research work in hydraulic engineering completed in 1960] Annotatsii zakonchennykh v 1960 nauchno-issledovatel'skikh rabot po gidrotekhnike. Moskva, Gos. energeticheskoe izd-vo, 1962. 862 p.
[MICROFILM]

Nauchno-tekhnicheskaia konferentsiia molodykh nauchnykh rabotnikov, 2d, 1961. [Collection of reports on hydraulic engineering] Sbornik dokladov po gidrotekhnike. Moskva, Gosenergoizdat, 1961. 243 p.
[MICROFILM]

Results of an interdepartmental conference on problems of electrochemical stabilization of silty foundation beds for marine hydraulic structures. D. M. Gasanova, A. A. Guseinova. Osn., fund. i mekh. grun. 6 no. 3:30-31 '64.

Second-kind stability of double-hinged curved arches under the action of a hydrostatic load. An. A. Losaberidze. Soob. AN Gruz. SSR 33 no. 1:147-154 Ja '64.

Simplification of complicated systems of hydraulic drive and hydraulic automation. A. V. Perekrestov. Sbor. nauch. trud. Dnepr. inzh. -stroi. inst. no. 18:67-78 '61.

Wave motion of a sand mass. K. P. Meskheli. Trudy Inst. energ. AN Gruz. SSR 17:95-103 '63.

HYDRAULIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Hydraulic engineering

HYDRAULIC ENGINES

Kuznetsov, L. V., ed. [High-torque hydraulic engines] Vysokomomentnye gidromotory. Moskva, Vses. nauchno-issl. in-t pod"emno-transportnogo mashinostroeniia, 1962. 109 p.
[MICROFILM]

HYDRAULIC MACHINERY

Assovskii, I. V. [Using direct flow hydraulic classifiers at enterprises of the Glavlenstroimaterialy system] Ob opyte primeneniia priamotochnykh gidroklassifikatorov na predpriiatiiakh sistemy Glavlenstroimaterialy. Leningrad, 1964. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Stroitel'noe proizvodstvo)

Experimental study of the power characteristics of the flow of a reverse running hydraulic torque converter. L. D. Galynkina, V. N. Makarchuk. Izv. vys ucheb. zav., energ. 7 no. 5:93-98 My '64.

What is preventing the adoption of hydromechanization. M. G. Pil'shchik. Transp stroi. 13 no. 12.69-70 D '63.

HYDRAULIC MINING

Coal losses in Donets Basin hydraulic mines. V. S Boldinov and others. Ugol' Ukr. 8 no. 4:25-27 Ap '64

Establishing parameters for hydraulic mining of coal in the Donets Basin. R. A. Bretosh, Z. A. Stetsenko. Sbor. trud. Inst. gor. dela AN URSR no 13 38-47 '63

First results of using hydraulic fracturing and washout to control sudden outburst of coal and gas. I. M Pechuk, A. N. Kul'bachnyi Sbor. trud Inst. gor dela AN URSR no. 13 74-89 '63.

Method of determining basic parameters for paneling thin flat seams in the Donets Basin during hydraulic mining. V. L. Pokrass. Sbor. trud. Inst. gor. dela AN URSR no. 13 15-25 '63.

Moscow. TSentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Hydraulic coal mining in the Kuznetsk Basin] Opyt gidravlicheskoi dobychi uglia v Kuzbasse. Moskva, 1962. 97 p. (Seriia: Tekhnologiia i ekonomika podzemnoi dobychi uglia)
[MICROFILM)

Progninak, D. IA. [Opening and systems of working coal seams by hydraulic mining] Vskrytie i sistemy razrabotki ugol'nykh plastov pri gidrodobyche. Moskva, Izd-vo "Nedra," 1964. 111 p.

Relative distribution of stopes and development workings during hydraulic mining. I. A. Grigor'ev. Ugol' Ukr. 8 no. 5 31-32 My '64.

Technical and economic analysis of the conditions of the hydraulic breaking of coal in thin seams A A Alienikov, P. F. Chubenko, V E Smalii. Ugol' 39 no. 6:34-38 Je '64

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Determination of the optimal pressure and efficiency of hydraulic giants for coal breaking. A. A. Aleinikov. Sbor. trud. Inst. gor. dela AN URSR no. 13:32-37 '63.

HYDRAULIC MODELS

Forecast of raised ground water level in a case of steady seepage from a water reservoir by the electrodynamic analogy method. H. A. Shneiderman. [Pratsi] Inst geol. nauk AN URSR. Ser. hidrogeol. i inzh. geol. no. 9:96-103 '63.

HYDRAULIC PRESSES see subdivision under Czechoslovakia

HYDRAULIC STRUCTURES

Crack resistance of concrete in large hydraulic structures. A. V Satalkin, N. A. Filimonov Bet. i zhel -bet 10 no. 4:188-189 Ap '64

High-strength keramzit concrete and its use in bridges and hydraulic structures. I. G. Ivanov-Diatlov Bet. i zhel. -bet. 10 no. 4:153-158 Ap '64

Russia (1923- U. S. S. R.) Ministerstvo stroitel'stva elektrostantsii. Glavenergoproekt. [Methodological instructions on the calculation of the filtration of water level dropping structures] Metodicheskie ukazaniia po fil'tratsionnym raschetam vodoponizitel'nykh ustanovok. Moskva, Gosenergoizdat, 1961. 123 p.
[MICROFILM]

Some special features in conducting underwater construction operations V M. Isai, A. A. Pogorelov. Trudy Otd. energ. Dag. fil AN SSSR 1 no. 1 50-54 '62.

Study of the stability of steady-state conditions of hydroelectric power stations with long equalizing reservoirs on a pressure diversion structure. N. F. Mandzhavidze. Trudy Inst. energ. AN Gruz. SSR 17:77-93 '63.

Theoretical and experimental study of pier structures subject to the action of horizontal forces. V M. Isai. Trudy Otd. energ. Dag. fil. AN SSSR 1 no. 1:25-44 '62.

HYDRAULIC TURBINES

Comparison of the structural schematics of hydraulic turbine control systems R. M Epshtein. Elek. sta. 35 no. 4.44-49 Ap '64.

Gate mechanism of a Francis-type hydraulic turbine-generator unit. I. L. Loitsianskaia. Izv. vys. ucheb. zav., energ. 7 no. 5.86-92 My '64.

Special features in the installation and regulation of primary generators with water and hydrogen cooling. M A. Shakhmatov, A V. Chernukhin Elek. sta 35 no. 4:41-44 Ap '64.

Water hammer in Kaplan turbines. Z. K. Modebadze. Trudy Inst. energ. AN Gruz. SSR 17:15-30 '63.

HYDRAULICS

Calculating pipes and canals by the equivalent roughness method P I Kudriavtsev Sbor nauch trud Dnepr. inzh -stroi inst no 18 3-32 '61

Experimental study of the tangential stress along the bottom in a section where the stream widens. M.M. Dikovs'kyi, N.H.Poznii'n. Dop AN URSR no.6:739-743 '63

Experimental study of the transverse circulation in a nonsteady rectilinear motion of a free flow E.P. Kovalenko Izv.vys ucheb zav , energ. 5 no 8: 93-97 Ag '62

Nonsteady movement of a fluid in open prismatic channels P I Kudriavtsev Sbor nauch trud Dnepr inzh - stroi inst no 18 73-83 '61

Short analysis of methods for determining the distance to the point of complete blending of river and waste water. P.I.Fgurshin Trudy GISO no.40 61-66 '61

Wave properties of chutes G I Kvataize Soob AN Gruz SSR 31 no 3 551-558 S '63

HYDRAZIDES

Substituted hydrazides of hydroxycarboxylic acids. Part 16: Phenylhydrazides of α-aryl-α-(2-thienyl)- and α-alkyl-α-(3-thienyl) glycolic acids. I S.Berdinskii Zhur ob khim 34 no 6:1777-1779 Je '64

Synthesis of hydrazides of natural α-amino acids Part 1: N'-substituted hydrazides of some natural α-amino acids N M Kh orova, Z V Pushkareva, L B Radina Zhur ob khim 34 no 5 1409-1412 My '64

HYDRAZINE

Hydrazinolysis, a new method of studying the structure of nitrogen-containing polymers with conjugate bonds B E Davydov, IU V Korshak, B A Krentsel' Dokl AN SSSR 157 no 3 611-614 Jl '64

Interaction of α,α-diphenylpicrylhydrazyl with phosphorus acid esters P A Kirpichnikov and others Zhur ob khim 34 no 5 1683-1684 My '64

Phase diagrams of ternary liquid systems containing two binary demixing areas with differently oriented critical points. Part 3: Demixing in the systems pyramidon - water - succinic acid nitrile and pyramidon - water - phenylhydrazine. E.F.Zhuravlev. Zhur.ob.khim 34 no.6:1710-1716 Je '64.

HYDRAZONES

Thin-layer chromatography of 2,4-dinitrophenylhydrazones of isomeric ketones Z.A Shevchenko, I A Favorskaia Vest LGU 19 no 10 107-112 '64

HYDRAZONIUM COMPOUNDS

Synthesis and investigation of trimethylenetrisulfone derivatives Part 2 Arylhydrazono- and aryl azo derivatives of trimethylenetrisulfone R G. Dubenko, IU V Tanchuk P S Pel'kis Zhur ob.khim 34 no 5 1636-1638 My '64

HYDRIDES

Application of the method of spectroscopic masses for the calculation of the force constants of pyramidal hydrides. V.M.Khlebnikova, V.F.Morozov. Dop.AN URSR no.6:790-792 '63.

HYDROBIOLOGY see subdivision under Desna River; Dzhandari, Lake

HYDROCARBON OILS

Developing extraction methods for obtaining carbon black stock from catalytically cracked gas oils. A.V. Agafonov and others. Khim.i tekh.topl.i masel 9 no.5:13-16 My '64.

Overalkalinity of kerosine-gas oil distillates. N.V.Shergilov and others. Khim.i tekh.topl. i masel 7 no.10: 36-41 O '62.

HYDROCARBONS
(see also subdivision under Satskhenisi Oil Field)

Chromatographic determination of the hydrocarbon composition of aromatic compounds. V G.Zizin, T.S. Ivanova, V.I.Sokolova. Khim i tekh.topl i masel 9 no.3:66-67 Mr '64

Chromatographic investigation of gaseous hydrocarbons dissolved in oil. N.A.Kudriavtseva, A.I.Tarasov Khim.i tekh.topl.i masel 9 no.5:32-36 My '64.

Combustion of hydrocarbon gas in a vertical column in a free stream. N.V.Arseeva, B.I.Kitaev. Gaz.delo no.5:33-39 '64.

Conversion of hydrocarbons to acetylene in the electric discharge in a static system. Part 1. A.B.TSentsiper, E.N.Eremin, N.I.Kobozev. Zhur.fiz.khim. 37 no.4: 835-841 Ap '63.

Course of the addition of alcohols and water to enyne hydrocarbons. B.S.Kupin, A.A.Petrov. Zhur.ob. khim. 34 no.6:1897-1899 Je '64.

Effect of diffusion difficulties on the course of the oxidation process of hydrocarbons in the liquid phase. V.V.Veselov, Z.V.Sipeeva. Khim.i tekh.topl.i masel 9 no.3:22-26 Mr '64.

Isothermal sections of binary systems monocyclic arenes - water at 25, 100, and 200°C. A.N.Guseva, E.I.Parnov. Zhur.fiz.khim. 38 no.3:805-806 Mr '64.

Preparation of acetic acid by the oxidation of hydrocarbons. A.A.Proshkin, V.L.Denisiako, B.P Dorokhovich Khim.prom. [Ukr.] no.1:43-44 Ja-Mr '63.

Study of molecular interaction as applied to the analysis of hydrocarbon mixtures. Part 1: Diethylamides and tetraethylamides of some carboxylic and dicarboxylic acids as stationary phases. F.F.Cheshko, V.E Azen Zhur.ob.khim 34 no 6:1843-1848 Je '64

Studying the composition of the aromatic hydrocarbons of gasolines. O.I Svetozarova and others Nefteper i neftekhim. no 6:18-21 '63.

Thermal-diffusion separation of hydrocarbons A.A. Simeonov, M.V Tikhomirov, K I Zimina. Nefteper.i neftekhim no 7 25-31 '63

HYDROCARBONS—PURIFICATION

Separating aromatic hydrocarbons using complex compounds. V I.Karzheva and others. Khim i tekh topl. i masel 9 no.6:24-28 Je '64

HYDROCARBONS—THERMAL PROPERTIES

Heat conduction of certain petroleum hydrocarbons as a function of temperature M G Ramazanzade. Izv.vys ucheb zav , neft' i gaz 6 no.5 81-82 '63

HYDROCEPHALUS

Case of thrombosis of a choroid plexus aneurysm of the third ventricle complicated by acute hydrocephalus. K.N.Stepanov. Zhur.nevr.i psikh 64 no 5 661-662 '64.

HYDROCHLORIC ACID

Phase equilibria in the system water - hydrogen chloride-dioxane at 50°C M.P.Susarev, V.V Guseva Zhur. prikl.khim 37 no.5:1067-1072 My '64.

HYDRODYNAMICS

About V.N.Nikolaevskii's reply on comments on his articles. G.N.Barenblatt, S.S.Grigorian, R.L.Salganik. Izv.AN SSSR.Mekh.i mashinostr. no.3:187-192 My-Je '64.

Axisymmetric helical flow through a channel with a given profile. E.I.Nefedov, M.G.Khublarian. Izv.AN SSSR.Mekh.i mashinostr. no.3:173-176 My-Je '64.

Flow of a weightless fluid with a free boundary past a plate. A.V.Kuznetsov. PMTF no.6:94-99 N-D '63.

Flow of an electrically conductive fluid in a plane hydrodynamic channel. E.P.Zimin. PMTF no.6:108-112 N-D '63

A generalization of Dupuy's formula. S.D.Ostatinskii. Izv.AN SSSR.Mekh.i mashinostr. no.3:177 My-Je '64.

Problem involving flow past a system performing minor vibrations. A.V.Kuznetsov. Prikl.mat.i mekh. 28 no.3,567-571 My-Je '64.

Reply to G.I.Barenblatt, S.S.Grigorian, L.V.Nikitin and R.L.Salganik's comments on the author's article on the dynamics of fluid saturated porous media. V.N. Nikolaevskii. Izv.AN SSSR.Mekh.i mashinostr. no.3: 183-186 My-Je '64.

Shock waves in spatial flows with a degenerated hodograph. A.F.Sidorov. Prikl.mat.i mekh 28 no.3: 464-473 My-Je '64.

Some problems involving motion of a conducting fluid in a plane channel. A.E.IAkubenko. PMTF no.6:7-12 N-D '63.

Some problems involving waves in an ideal liquid with elastic boundaries. A.K.Pereverzev. PMTF no.6: 87-93 N-D '63.

Stability conditions of certain motions of gas-liquid mixtures in vertical pipes. IU.L.Sorokin. PMTF no.6:160-165 N-D '63.

Stagnant zones in front of a moving body. G.P.Cherepanov. PMTF no.6:100-101 N-D '63.

Three-dimensional problem of waves on the surface of a viscous liquid of infinite depth. A.K.Nikitin, S.A. Podrezov. Prikl.mat.i mekh. 28 no.3: 452-463 My-Je '64.

HYDRODYNAMICS—BOUNDARY VALUE PROBLEMS

Numerical study of liquid flow between rotating cylinders. A.L.Krylov, E.K Proizvolova. Sbor.rab.VTS MGU 2:174-181 '63.

Stability of viscous flow between two rotating cylinders. A L.Krylov, A.F.Mlsnik. Sbor.rab.VTS MGU 2:182-189 '63.

Use of difference schemes in calculating nonstationary flows of a viscous incompressible liquid. L.A Chudov, T.V.Kuskova. Sbor.rab.VTS MGU 2:190-207 '63.

HYDRODYNAMICS—EXPERIMENTS

Dependence of the Reynolds number corresponding to the start of the principal hydrodynamic crisis on the experimental conditions prevailing in the flow around an infinite circular cylinder. G.E.Ivanchenko. Nauch.trudy KNIUI no.11:316-319 '62.

HYDROELECTRIC POWER STATIONS
(see also subdivision under Georgia)

Concerning V.I.Doroginin's article "Use of the generators of a hydroelectric power station as synchronous compensators." V.D.Urin, V.I.Sokolov. Elek.sta. 35 no.4:84-88 Ap '64.

HYDROELECTRIC POWER STATIONS—WATER SUPPLY

Study of the stability of steady-state conditions of hydroelectric power stations with long equalizing reservoirs on a pressure diversion structure. N.F.Mandzhavidze. Trudy Inst.energ.AN Gruz.SSR 17:77-93 '63.

Technical and economic basis for the working capacity of the reservoir of a low-pressure hydroelectric power station. V.G.Zhuravlev. Izv.vys.ucheb.zav.; energ. 5 no.8:87-94 Ag '62.

HYDROFLUORIC ACID

Density and viscosity of some melts of the system NH_4 F-H. I.A.Semerikova, A.F.Alabyshev. Zhur. fiz.khim. 36 no.6:1341-1344 Je '62

Properties of some oxygen-containing organosilicon compounds in a liquid hydrogen fluoride medium. A.P.Kreshkov and others. Zhur.fiz.khim. 38 no.3: 738-740 Mr '64

HYDROGEN

Adsorption of hydrogen on a platinum cathode. G.P. Dezider'ev, S.I.Berezina, G.A.Gorbachuk. Zhur.fiz. khim. 37 no.4:856-861 Ap '63.

Electric conductivity of higher uranium oxides in a hydrogen stream. V.N.Strekalovskii, A.D.Neuimin, A.F.Bessonov. Zhur.fiz.khim. 36 no.6:1355-1359 Je '62.

HYDROGEN—ANALYSIS

Simultaneous microdetermination of carbon, hydrogen, and sulfur in organic compounds A A. Abramian, A.A Kocharian Izv.AN Arm.SSR.Khim.nauki 17 no.3:301-305 '64

HYDROGEN BONDING

Gas chromatographic determination of hydrogen bonding energy in adsorption layers I. D Beliakova, A.V. Kiselev, N V.Kovaleva. Dokl.AN SSSR 157 no 3 646-649 Jl '64.

Infrared spectra and hydrogen bonding of cyclohexanone peroxides V A.Terent'ev, V.L Antonovskii. Zhur.ob khim. 34 no 5 1518-1522 My '64.

HYDROGEN-ION CONCENTRATION

Changes in the activity of local anesthesia under the influence of the active reaction of the medium. V.M. Samvelian. Izv.AN Arm.SSR.Biol.nauki 16 no.9:17-21 S '63.

Dynamics of the pH reaction in the Lenkoran zone of Azerbaijan. R.V.Veselkina. Dokl.AN Azerb.SSR 19 no.6:53-57 '63.

Effect of hydrogen on the reduction rate of cobalt ions. A.T.Vagramian, M.A.Zhamagortsian. Zhur.fiz.khim. 38 no.3:786-789 Mr '64.

Effect of pH and of the electrolyte concentration on hydrogen overvoltage at a gallium dropping electrode. K.Sabo, I.A.Bagotskaia. Dokl.AN SSSR 156 no.2: 420-423 My '64.

Effect of the acidity of solution on the electrode processes on a bismuth amalgam electrode. V.V.Losev, V.V. Gorodetskii. Zhur.fiz.khim. 37 no.4:842-849 Ap '63.

A generator for mechanochemical oscillations on the basis of muscle pH. Biofizika 8 no.6:741-743 '63

Optimal region of pH in the sulfuric acid dissolution of uranium dioxide in the presence of various oxidizers and Fe (II) ions. E.A.Kanevskii, A.P.Filippov, M.I.Vel'matkin. Radiokhimiia 5 no.6:741-744 '63

Optimum pH of some soil hydrolases. L.V.Markosian, A.Sh.Galstian. Izv.AN Arm.SSR.Biol.nauki 16 no 2: 45-52 F '63.

Preparation of electrolytic iron-chromium alloys and their corrosive behavior in sulfuric acid solutions with different pH values. V.Skominas, J.Matulis. Trudy AN Lit.SSR.Ser.B no.1:73-80 '64.

Processes occurring in the boundary layer of the $NiSO_4$ solution with a nonpolarized nickel electrode and a nickel electrode subjected to cathodic polarization. J.Matulis, R.Slizys. Trudy AN Lit.SSR.Ser.B no.1: 45-55 '64.

Shifts in the absorptive capacity and isoelectric point of thyroid cells during the action of 6-methylthiouracil. B.V.Aleshin, IU.B.Krivobok. Biul.eksp.biol.i med. 56 no.8:101-105 Ag '63.

Solomin, G.A. [Methods for determining the redox potential and pH of sedimentary rocks] K metodike opredeleniia okislitel'no-vosstanovitel'nogo potentsiala i pH osadochnykh porod. Moskva, Izd-vo "Nauka," 1964. 86 p.

Study of monamine oxidase activity of mycobacteria B_5. G.N.Pershin, V.V.Nesvad'ba. Biul.eksp.biol.i med. 56 no.8:81-84 Ag '63.

Survival of Leptospira in different pH of the medium. O.I.Korotkikh, T.D.Ubeikobylina, L.I.Lokaina. Trudy TomNIIVS 14:83-86 '63.

HYDROGEN ISOTOPES

Formation of excited ethyl radicals when hot hydrogen atoms react with ethylene. B.G.Dzantiev, A.P.Shvedchikov, B.V.Borshagovskii. Dokl.AN SSSR 157 no.3: 653-655 Jl '64.

H - D isotopic equilibrium in the system consisting of gaseous hydrogen and its solution in palladium. B.M. Andreev, V.M.TSionskii. Zhur.fiz.khim. 38 no.3: 751-752 Mr '64.

Heavy hydrogen and neutron isotopes. N.A.Vlasov, L.N. Samoilov. Atom.energ. 17 no.1:3-9 Jl '64

Use of natural H^3 and Be^7 in the study of vertical movements in the atmosphere. V.Lujanas. Trudy AN Lit. SSR.Ser.B no.1:11-20 '64.

HYDROGEN PEROXIDE

Action of acids on platinum adsorption catalysts in the decomposition of hydrogen peroxide. Zh.V.Strel'nikova, V.P.Lebedev. Zhur.fiz.khim. 37 no.4:920-922 Ap '63.

Catalytic decomposition of H_2O_2 under the combined action of sodium molybdate and salts of the zinc subgroup. Part I. M.V.Savina and others. Zhur.fiz. khim. 37 no.4:746-752 Ap '63

Chemiluminescence of the thermal decomposition of hydrogen peroxide in water. G.B.Meluzova. Zhur.fiz. khim. 38 no.3:593-599 Mr '64.

Determination of the absolute amount of H_2O_2 evolved in the atmospheric corrosion of metals. I.L.Roikh Zhur.fiz khim. 36 no 6:1335-1337 Je '62.

Effect of hydrogen peroxide on the reduction of nitrates in a green plant. A.A.Gurevich, I.N.Trubachev, M.Š.Rerberg. Dokl.AN SSSR 156 no.2:457-460 My '64.

Incompatible prescriptions of ointments with perhydrol. E.J.Peterson. Apt.delo 11 no.6,64-65 N-D '62.

Oxidation of vinylacetylenic alcohols and their ethers by means of perhydrol in acetic acid solution. S A Vartanian, L G Grigorian, V.I Zhamagortsian Izv AN Arm SSR Khim.nauki 17 no 3 348-349 '64

Physical chemistry of concentrated ozone. Part 14. V.P.Egorov, V.P.Lebedev, N.I.Kobozev. Zhur.fiz. khim. 37 no.4:922-924 Ap '63.

Relation between the weight increase of the oxide film and the amount of H_2O_2 evolved in the atmospheric corrosion of magnesium. I.L Roikh, D.M.Rafalovich. Zhur.fiz.khim. 36 no.6:1198-1201 Je '62.

Use of OsO_4 as a catalyst in arsenitometry. Report No.6: Determination of hydrogen peroxide and sodium chlorite. P.Norkus, J.Vaisiuniene. Trudy AN Lit.SSR.Ser.B no.1:159-162 '64.

HYDROGEN SULFIDE

Determining minor concentrations of hydrogen sulfide in graduating industrial eudiometers for hydrogen sulfide. E.M.Malkova, T.L.Radovskaia. Izm.tekh. no.5: 50-52 My '64.

Isotopic exchange of hydrogen sulfide with the products of its sorption on catalytic and activated carbon. S.M.Golfand, T.K.Kraplvina, V.I.Lazarev. Zhur. fiz khim. 36 no 6:1320-1324 Je '62.

HYDROGENATION

Disproportionation of hydrogen in the system benzene - ethyl alcohol - isopropyl alcohol B.N.Dolgov and others Vest LGU 19 no 10.101-106 '64.

α-Glycols of the vinylacetylene series. Part 1: Synthesis, hydrogenation and acetylenation of 3,4-dimethyl-5-octyn-7-ene-3,4-diol. A.I.Nogaideli, N.A.Rtveliashvili. Zhur.ob.khim. 34 no.6:1737-1741 Je '64.

Hydrogenation of dimethylenecyclobutanes. IA.M. Slobodin, A.P.Khitrov. Zhur.ob.khim. 34 no.6: 1727-1728 Je '64.

Hydrogenation of phenol in the presence of new catalysts. N.G.Bakauri and others. Soob.AN Gruz.SSR 34 no.1: 85-89 Ap '64.

Production of hydroaromatic dicarboxylic acids. G.S.Gurevich, S.Z.Levin, I.S.Diner. Zhur.prikl. khim. 37 no.5:1139-1141 My '64.

Specific catalytic activity of nickel catalysts in the hydrogenation of fats. S.IU.Elovich, T.D.Semenovskaia Zhur.fiz.khim. 36 no.6:1255-1260 Je '62.

HYDROLASES

Optimum pH of some soil hydrolases. L.V.Markosian, A.Sh.Galstian. Izv.AN Arm.SSR.Biol.nauki 16 no.2: 45-52 F '63.

HYDROLOGY

(see also subdivision under Apsharon Peninsula region; Crimean Mountains; Kuybyshev Reservoir; Ukraine)

Calculating the parameters of maximum discharge frequency curves. S.V.Grinberg. Vest.AN Kazakh.SSR 19 no 6:76-80 Je '63

HYDROLOGY—RESEARCH

International hydrological decade. K.S.Losev. Priroda 53 no.7:91 '64.

HYDROLYSIS

(see also subdivision under Bobruysk)

Fermentative hydrolysis of the phosphamide bond in nucleotidyl-(5'→N)-amino acids. R.K.Ledneva, Z.A.Shabarova, M.A.Prokof'ev. Dokl.AN SSSR 157 no.2:473-474 Jl '64.

Hydrolysis of cardiac glycosides by enzymes of the fungus Aspergillus oryzae. P.I.Hvozdiak, D.H. Kolesnykov. Farmatsev.zhur. 18 no.4:70-75 '63.

Improving the quality of hydrolyzates for yeast production. V.S.Shoshina. Gidroliz.i lesokhim.prom. 17 no.4:12-14 '64.

Kinetics of hydrolysis of N-methylacetamide in KOH aqueous solutions. IU.V.Moiseev, E.IA.Bakhrakh, M.I.Vinnik. Zhur.fiz.khim. 37 no.4:784-790 Ap '63.

New case of hydrolytic cleavage of quinazoline pyrimidine ring. N.N.Vereshchagina, I.IA.Postovskii, S.L. Mertsalov. Zhur.ob.khim. 34 no.5:1669 My '64.

Phase composition of the products of hydrolysis of titanium tetrachloride. L.N.Shchegrov. Zhur.fiz. khim. 37 no.4:912-914 Ap '63.

Speeding up the construction of experimental sections and machines. A.F.Shutov. Gidroliz.i lesokhim prom 17 no.4:1-2 '64

Studying the hydrolysis of uranyl in nitrate solutions. N.N.Nikolaeva, V I Paramonova, V.B Kolychev. Izv Sib.otd AN SSSR no.3:70-79 '62

Transition of iodine from aqueous solutions into saturated steam. M.A.Styrikovich and others. Atom.energ. 17 no 1,45-49 Jl '64.

Utilization of the head fractions of hydrolyzates for the cultivation of yeasts. A E Norina, O A Rozhdestvenskaia, N.A.Bychkova. Gidroliz.i lesokhim prom 17 no.4:8-12 '64.

HYDROPONICS

Growing onions in artificial nutrient media T.G Filimonova. Sbor.nauch.rab Sib nauch -issl inst sel'-khoz no.6:121-123 '61

Utilization of the bactericidal action of erythemal lamps for sterilizing nutritional solutions in hydroponics. G.S.Davtian, A.K.Minasian, M.A.Babakhanian. Izv. AN Arm.SSR.Biol.nauki 16 no.9,95-97 S '63.

HYDROSODALITE

Elementary cell and space group of hydrosodalite. V.I. Mokeeva, K.V.Fedotova. Kristallografiia 8 no.1: 107 Ja-F '63.

HYDROXYL GROUP

Determining the hydroxyl group of lignin by the Verley method. B.D.Bogomolov, E.D.Gel'fand, M.F. Berenzon. Izv.vys.ucheb.zav.; les.zhur. 6 no.6: 152-155 '63.

Interaction of methylphosphinic acid anhydride with hydroxyl-containing compounds. V.P.Evdakov, L.I. Mizrakh. Zhur.ob.khim 34 no.6:1848-1851 Je '64.

Polarographic determination of the diffusion coefficient of hydroxyl ions in aqueous solutions of alkali metal nitrates. S.G.Mairanovskii, M.K.Polievktov. Zhur. fiz.khim. 37 no.4:885-887 Ap '63.

Study of the migration of deuterium from the hydroxyl group to the phenol ring. I.F.Tupitsyn, V.I.Komarov. Zhur.ob.khim. 34 no.6:1703-1710 Je '64.

HYDROXYL ION

Catalytic decomposition of hypophosphites. Report No.1: Decomposition in the presence of hydroxyl ions. A.Luneckas, L.Valentukeviciute. Trudy AN Lit.SSR. Ser.B no.1:135-141 '64.

HYDROXYLAMINE

Automatic control of the nitrosation of phenylhydroxylamine in the production of Cupferron. O.P.Shvaika, M.S Konovchuk, E.G.Protsenko. Khim.prom. [Ukr.] no 1 67-68 Ja-Mr '63.

HYDROXYMETHYLATION

N-oxides of the quinoxaline series. Part 7: Hydroxymethylation of 2-methyl- and 2,3-dimethylquinoxalines and their N-oxides. A.S.Elina, L.G.TSyrul'nikova. Zhur.ob.khim. 34 no.6:2077-2081 Je '64.

HYGIENE

Results of scientific research in the field of microbiology, epidemiology and hygiene in 1962, based on data from the institutes of the Department of Hygiene, Microbiology and Epidemiology of the Academy of Medical Sciences of the U.S.S.R. A I.Danilov. Vest.AMN SSSR 18 no.11 73-77 '63

Review of A.A.Minkh's book "Ionization of the air and its hygienic significance." D.N.Kaliuzhnyi. Vest. AMN SSSR 19 no.1:94-95 '64.

HYGIENE, RURAL see Public health, Rural

HYMENOPTERA, FOSSIL see subdivision under Soviet Central Asia

HYPERGLYCEMIA

Mechanism of the hyperglycemic action of γ-aminobutyric acid. B.A.Kazarian. Izv.AN Arm.SSR.Biol.nauki 16 no.2:59-67 F '63.

HYPERIN

Chemical analysis of the bedstraw Galium ruthenicum. Report No.2. M.I.Borysov, IU.H.Borysiuk. Farmatsev.zhur. 18 no.4:75-78 '63.

HYPERTENSION

(see also subdivision under Transcarpathia)

Ballistocardiographic study in hypertension. Z.L. Dolabchian. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:247-251 '63.

Changes in the sympathico-adrenal system in experimental renal hypertension. N.A.Smazhnova, S.A.Gasparian. Pat.fiziol.i eksp.terap. 7 no.6:50-53 N-D '63.

[illegible]

[illegible]

[illegible]

Morphological characteristics of the erythrocyte composition of the blood in hypertension. T.I. Mazurenko. Trudy Inst.klin.i eksper.kard AN Gruz. SSR 8,219-226 '63.

Pathophysiological mechanisms of hypertension crises. L.I.Il'ina, S.S.Enukidze. Trudy Inst.klin.i eksper. kard.AN Gruz.SSR 8:279-282 '63.

Regional changes in blood pressure in hypertension and some other diseases of the cardiovascular system. A.I.Lomouri Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:231-238 '63.

Results of prolonged observations of hypertensive patients. N.L.Kikodze, Z.S.Machavariani, G L. Bregvadze. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:203-205 '63.

Significance of hereditary and environmental factors in the development of hypertension and lipid metabolism disorders, (studies on twins) IA. Ryvkin, L.N. Ignatova. Vest AMN SSSR 18 no.12 29-31 '63.

Study of the hypotensive effect of increpan in hypertension. Report No.2. M.A.Girdaladze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:283-291 '63.

Treatment of hypertension and other disorders of the vascular tonus under conditions of the mountain climate at the Aktash Sanatorium. TS.M.Osovetskaia. Sbor. trud.Uz.gos nauch.-issl.inst.kur.i fizioter. 17,72-83 '62.

Treatment of hypertension by means of diathermy of the receptor zones. N.A.Nadareishvili. Trudy Inst. klin.i eksper.kard.AN Gruz.SSR 8:257-265 '63.

Treatment of hypertension with hydroaeroionization. V.G.Gogibedashvili, E.I.Chilingarishvili, S.I.IAralov. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:253-256 '63.

X-ray characteristics of the heart and the vascular bundle in hypertension. N.M.Kutateladze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:207-217 '63.

HYPERTHYROIDISM

Autoimmune processes in the goiter tissue in thyrotoxicosis V B Zolotarevskii. Vest. AMN SSSR 18 no.11 43-46 '63

Function of external respiration in thyrotoxicosis. D.M. Kapanadze. Soob.AN Gruz.SSR 34 no.1:189-195 Ap '64.

HYPNOTICS

Change in the amount of sulfhydryl groups and reduced glutathione in the brain of white mice following inhibition of nervous activity induced by barbamil, urethane and medinal. V F.Dunaeva, E.F.Ivanenko. Farm.i toks. 26 no.1 22-28 Ja-F '63.

HYPNOTISM

Kregzde, S. [Hallucinations, dreams, hypnosis] Haliucinacijos, sapnai, itaiga. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 31 p. [In Lithuanian]

HYPOPHOSPHITES

Catalytic decomposition of hypophosphites. Report No.1: Decomposition in the presence of hydroxyl ions. A.Luneckas, L.Valentukeviciute. Trudy AN Lit.SSR. Ser.B no.1:135-141 '64.

Catalytic decomposition of hypophosphites. Report No.2: Decomposition in the presence of nickel and cobalt. A.Luneckas. Trudy AN Lit.SSR.Ser.B no.1:143-149 '64.

HYPOTENSION

Climatotherapy in the compound treatment of patients with a hypotonic syndrome in the Lunacharskoye Sanatorium. V.P.Riakhovskaia. Sbor.trud.Uz.gos. nauch.-issl.inst.kur.i fizioter. 17:126-130 '62.

Methods of eliminating some complications arising during hypotension caused by arfonad, experimental study. M V.Komendantova, B.S.Uteshev. Farm.i toks 26 no.1:52-58 Ja-F '63.

Molchanov, N.S. [Hypotension and hypertension] Gipotoniia i gipertoniia. Moskva, Izd-vo "Znanie," 1964. 29 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.12)

Study of the hypotensive effect of increpan. M.A.Girdaladze. Soob.AN Gruz.SSR 33 no.1:239-246 Ja '64.

HYPOTHALAMUS

Some data on the histochemistry and fine structure of the hypothalamic neurosecretory substance. A.A.Voitkevich. Arkh.anat.,gist.i embr. 44 no.6:3-20 Je '63.

HYPOTHERMIA

Change in the content of some amino acids in the blood and urine under the influence of low temperature and ionizing radiations. IU.K.Ledentsov, E.M.Larionova. Biul.eksp.biol.i med. 56 no.8:60-64 Ag '63.

Effect of hypothermia on vascular permeability and lymph circulation. L.P.Musatova, A.N.Dankova. Izv.AN Kazakh.SSR.Ser.med.nauk no.1:11-15 '64.

Effect of training on resistance to cerebral anemia in rats subjected to hypothermia. N.V.Korostovtseva. Biul.eksp.biol.i med. 56 no.8:44-45 Ag '63.

[illegible]

[illegible] effect of [illegible] M. A. Gidre-[illegible] 34 no.1 237-245 Ja '64.

[illegible] effect of [illegible] in hypertension [illegible] Trudy Inst klin i [illegible] 33-[illegible] '63

I[illegible]FRIA

[illegible]

IA[illegible], [illegible] ANDRIANOVICH

[illegible]

IA[illegible], VSEVOLOD SERGEEVICH, 1901-1933

[illegible]

ICE see subdivision under White Russia

ICE ON THE RIVERS, LAKES, ETC.

(see also subdivision under Baltic Sea region, Northern Dvina River; White Russia, Yenisey River)

[illegible] frazil and ice and [illegible] R A [illegible] 110 [illegible]-33 '64

[illegible] the formation [illegible] freezing rivers [illegible] R A Danchenko Trudy [illegible] 110 22-[illegible]

[illegible] lower surface of [illegible] Trudy GGI [illegible] 110 [illegible]

[illegible] formation of ice jams [illegible] Trudy GGI no 110 3-11 '64

[illegible] ice cover stresses [illegible] Trudy GGI no.110 12-21 '64

Tavrizov, V. M. [Protecting bridges from drifting ice] Zashchita [illegible] Moskva, Stroiizdat, 1964. 81 p

Use of chemical substances to weaken the strength of an ice cover. I N Shatalina, F.A Spetsov. Trudy LIVT no.46 57-65 '63

ICHTHYOLOGY see subdivision under Kuybyshev Reservoir

IGNEOUS ROCKS see Rocks, Igneous

IL'ICHEVO (LENINGRAD PROVINCE)—GUIDEBOOKS

Bakhmetov, S. A., and P. E Nikitin [House in Il'ichevo; a guidebook] Domik v Il'icheve, putevoditel' Izd 3., ispr i dop [Leningrad] Lenizdat, 1964. 44 p. (Memorial'nye muzei V. I Lenina)

ILLUMINATION OF BOOKS AND MANUSCRIPTS see subdivision under Kiev

ILLUSTRATION OF BOOKS

On the banks of the quiet Don IU. P. Rebrov. Sov. voin 44 no. 24 37-40 D '62.

IMERITIYA—PEASANTRY

Peasant land reform in Imeretiya and Guriya (Kutaisi Government) G A Purtseladze Soob AN Gruz SSR 31 no 3 769-772 S '63

IMIDAZOLE

Derivatives of imidazole Part 34 A V. El'tsov, I M Ginzburg Zhur ob khim 34 no 5 1624-1633 My '64

IMIDAZOLEDICARBOXAMIDE—PHYSIOLOGICAL EFFECT

Relationship between the structure of derivatives of imidazoledicarboxylic diamides and their effect on different segments of the central nervous system I S Borodkin, Vest AMN SSSR 18 no 8 47-54 '63

IMIDAZOTHIENOTHIOLIUM COMPOUNDS—PHYSIOLOGICAL EFFECT

Methods of eliminating some complications arising during hypotension caused by arfonad, experimental study M V Komerdantova, B S Uteshev Farm i toks 26 no 1 52-58 Ja-F '63

IMINO GROUP

Preparation and study of nitroso derivatives of iminobibenzyl. B. A. Poraì-Koshits, E. N. Sofina, I. IA Kvitko. Zhur. ob. khim. 34 no 6.2094-2095 Je '64.

IMMUNITY

Determination of the natural immunity to Clostridium perfringens in serum producers, author's abstract. P. S. Dotsenko. *Trudy Irk. NIIEM* no. 6 23 '61.

Experimental allergic encephalomyelitis. Morphology of the central nervous and thymicolymphatic systems L I Ravkina. Vest AMN SSSR 18 no 11 57-60 '63

Homotransplantation of organs and tissue as an immunological problem, a review V. I Govallo Pat fiziol i eksp terap 7 no 6 74-81 N-D '63

IMMUNOCHEMISTRY

Immunochemical characteristics of blood serum albumin in dogs during ontogenesis. A. V. Afanas'eva. Biul. eksp. biol. i med. 56 no. 8:54-57 Ag '63.

Nucleic acids in the offspring of carp obtained from hyperimmunized breeders K. F. Sorvachev, O A. Medvedkina Vest Mosk. un. Ser 6 Biol., pochv. 18 no 3 29-34 My-Je '63

IMMUNOLOGICAL RESEARCH

Adsorbed vaccine against Brown-Pearce carcinoma P A Bulanov, IU V Isakov Trudy Inst klin i eksp khir AN Kazakh SSR 8 128-131 '62

Antibodies against the specific antigen of the membrane of tumor cells B. D. Brondz. Vop. onk 10 no 2:81-88 '64.

Effect of immune complexes on the superior cervical sympathetic ganglion A A Podkolzin Vest AMN SSSR 18 no 11 25-28 '63

Fixation and multiplication of the pathogen in the isolated liver of the immune and non-immune body (pathogenesis of recurrence of paratyphoid fever infection following antibiotic therapy) B N Smirnov. Vest AMN SSSR 18 no 8 60-67 '63

Research in the field of noninfectious immunity *in eye* burns N S Shul'gina Pat fiziol i eksp terap 7 no 6 21-23 N-D '63

State of the general immunobiological reactivity of the body and morbidity among foundry workers. V. K Navrotskii and others Vest AMN SSSR 18 no 8 32-41 '63

Use of ferroglobulins in electron-optical immunomorphology IU P Gofman, S M Klimenko Vest AMN SSSR 18 no 11 61-65 '63

IMMUNOLOGICAL TOLERANCE

Determination of the tolerance for compound polyvalent multiantigen vaccines in experiments on dogs B G Trukhmanov, S M. Ksents. Trudy TomNIIVS 14:145-151 '63.

Duration of the adaptive period and the length of preservation of the immunological tolerance for Brown-Pearce carcinoma in rats. R. M Radzikhovskaia. Vop onk 8 no. 10:56-59 '62.

IMMUNOPATHOLOGY

Immunopathology as a problem in experimental and clinical medicine V I Ioffe Vest AMN SSSR 18 no 11 3-13 '63

IMMUNOPATHOLOGY—CONGRESSES

Conference dedicated to the problems of immunopathology. B N Sofronov Vest AMN SSSR 18 no 11 66-73 '63

IMPACT

Impact on an elliptic plate supported by a flexible foundation. A. E. Evdokimov. Izv. AN SSSR. Mekh. i mashinostr. no. 3:96-105 My-Je '64.

Sears's theory of the longitudinal impact of rods. S. A. Zegzhda. Vest. LGU 19 no. 7.81-90 '64.

IMPERIALISM

Moscow. Institut mezhdunarodnykh otnoshenii. [Imperialism and the crisis of world capitalism, textbook] Imperializm i krizis mirovogo kapitalizma; uchebnoe posobie. Pod red. E. IA. Bregelia. Moskva, IMO, 1964. 594 p.

INBREEDING

Theory and practice of inbreeding in swine raising D. I Voitko Trudy Bel nauch -issl inst zhiv 3 5-15 '62.

INCENTIVES IN INDUSTRY

Kumel'skii, L. E. [Work incentives] Stimuly truda. Moskva, Sovetskaia Rossiia, 1962. 78 p. (Resheniia XXII s"ezda KPSS - v zhizn'!)
(MIU)

Oblomskaia, I. IA. [Material self-interest as an economic category of socialism] Material'naia *zainteresovannost'— ekonomicheskaia kategoriia sotsializma.* Moskva, Izd-vo "Mysl'," 1964. 92 p.

Relation between material and moral stimuli to work in the period of the large-scale building of communism. V. K. Kiselev. Nauch. dokl vys shkoly, filos nauki 7 no. 2 29-36 '64.

INCOME

National income V. Kudrov. Mir. ekon i mezhdunar. otn. no 7.106-111 '64.

INDIA—AGRICULTURAL RESEARCH

"Agricultural research in India; institutes and organizations." Reviewed by M. Zheltova. Biul. TSentr. nauch. sel'khoz. bibliot. no. 7·87-88 '61.

INDIA—DESCRIPTION AND TRAVEL

Akramov, Z. M. [Indian sketches; travel notes. *Indiiskie zarisovki*; putevye zametki. Tashkent, Pravda Vostoka] 1962. 100 p. [In Uzbek]
(MH)

INDIA—PETROLEUM INDUSTRY

Development of the petroleum refining industry in India IU. Ershov. Vnesh. torg 44 no. 5:16-19 '64.

The true story about Indian oil. A. IUr'ev. Vnesh. torg. 44 no 5:64-65 '64.

INDIA—POLITICS AND GOVERNMENT

Charting a nation's course, a book review. I. Andronov. Nov. vrem. 21 no. 28:29-31 Jl '64.

INDIAN OCEAN—CARBONATES

Distribution of the elements of a carbonate system (PCO_2, pH, Alk/Cl) in the water of the northern part of the Indian Ocean V N Ivanenkov Trudy Inst okean 64 128-143 '64

INDIAN OCEAN—CHLORINE

Chlorinity of the interstitial water in the northern part of the Indian Ocean O V Shishkina, A A. Zhel[illegible] Trudy Inst okean 64 144-153 '64

INDIAN OCEAN—MARINE FAUNA

Brief news and information Zool zhur. 43 no [illegible] '64.

INDIAN OCEAN—MARINE SEDIMENTS

Geochemical investigations of sediments in the northern part of the Indian Ocean A B Isaeva. Trudy Inst okean 64 227-235 '64

Oxidation-reduction potential and the pH of sediments in the northern part of the Indian Ocean A. A. Zhel[illegible]nova, O. V Shishkina Trudy Inst okean. 64 2[illegible] '64.

Sediments in the northern and central parts of the Indian Ocean P L Bezrukov Trudy Inst okean 64 [illegible] '64

INDIAN OCEAN—MONSOONS

Determination of the heat exchange contact and the evaporation rate in the northern part of the Indian Ocean in the winter monsoon period. V G Snopkov Trudy Inst okean 64:5-10 '64

Some results of meteorological and aerological observations in the Indian Ocean in the winter monsoon period V G Snopkov. Trudy Inst okean. 64:11-21 '64

INDIAN OCEAN—NITRATES

Distribution of nitrates and nitrites in the water of the northern part of the Indian Ocean A. G Rozanov, V [illegible] Bykova Trudy Inst okean 64 94-101 '64

INDIAN OCEAN—OCEAN BOTTOM

New data on the bottom relief of the Indian Ocean [illegible] Zatonskii Trudy Inst okean 64.160-181 '64

INDIAN OCEAN—OCEAN CURRENTS

Investigations of currents in the northern part of the Indian Ocean. A V Fomichev. Trudy Inst okean [illegible] 43-50 '64.

INDIAN OCEAN—OCEANOGRAPHY

Determination of the heat exchange contact and the evaporation rate in the northern part of the Indian Ocean in the winter monsoon period. V G Snopkov. Trudy Inst okean. 64,5-10 '64.

Hydrological investigations in the northern part of the Indian Ocean IU. A. Ivanov Trudy Inst. okean 64 [illegible]-42 '64.

Possibility of the formation of natural vertical convection in some regions of the Indian Ocean. B. A. Tareev Trudy Inst. okean. 64 59-62 '64

Primary production and the content of biogenetic elements in the Indian Ocean waters from October to April, 1960-1961. IU. G. Kabanova Trudy Inst okean. 64 [illegible] '64.

Quantitative distribution of the suspended material in the surface waters of the northern part of the Indian Ocean E. I Gordeev Trudy Inst. okean. 64:202-21[illegible] '64

Some results of meteorological and aerological observations in the Indian Ocean in the winter monsoon period V G Snopkov. Trudy Inst. okean 64 11-21 '64

Temporary variability of hydrological characteristics in the northern part of the Indian Ocean S G. Panfilova Trudy Inst. okean. 64 63-79 '64.

INDIAN OCEAN—PHOSPHATES

Distribution of phosphates and silicic acid in the water of the northern part of the Indian Ocean. A G Rozanov Trudy Inst okean. 64 102-114 '64

INDIAN OCEAN—PHYTOPLANKTON

Distribution of net phytoplankton depending on hydrological conditions in the northern part of the Indian Ocean V V. Zernova, IU. A. Ivanov Trudy Inst okean 64 257-264 '64.

INDIAN OCEAN—SALINITY

Layers of high salinity in the northern part of the Indian Ocean. K. D. Sabinin. Trudy Inst okean 64:51-58 '64.

INDIAN OCEAN—SILICIC ACID

Distribution of phosphates and silicic acid in the water of the northern part of the Indian Ocean. A. G. Rozanov Trudy Inst. okean. 64:102-114 '64.

INDIAN OCEAN—WATER—OXYGEN CONTENT

Distribution of oxygen in the water of the northern part of the Indian Ocean. V. N. Ivanenkov, V. R. Vintovkin. K. Z. Shatskov. Trudy Inst. okean. 64.115-127 '64.

INDIAN OCEAN—ZOOPLANKTON

Vertical distribution and the diurnal migration of basic examples of the zooplankton in the northern part of the Indian Ocean. A. G Naumov, L. A. Ponomareva. *Trudy* Inst. okean. 64:250-256 '64.

Geobotanical indicators of fresh water in seasonal pastures of the sandy Kalmyk steppe. S. V Viktorov Biul MOIP, Otd. biol. 69 no. 3:129-132 My-Je '64

INDICATORS AND TEST PAPERS

Use of the indicator method for determining the concentration of ions and nondissociated particles M.I. Vinnik, R.S. Riabova. Zhur fiz. khim 38 no. 3:608-615 Mr '64.

INDIGO

Asymmetrical indigoid dyes. Part 2: Mechanism underlying the transformations of 2-thionaphthene-3'-(N-carboxymethyl)indolindigo. IU. E. Gerasimenko, G G. Bakulina. Zhur. ob khim. 34 no 6:2015-2019 Je '64.

INDIUM

(see also subdivision under Yakutia)

Behavior of indium in polymetallic amalgams. A. T Nizhnik, T. T. Mitiureva Zhur prikl. khim. 37 no. 5:1042-1044 My '64.

INDIUM ANTIMONIDE CRYSTALS

Electric and thermal properties of indium antimonide in a magnetic field. G. Veiss. Izv. AN SSSR Ser. fiz. 28 no 6:969-976 Je '64.

Hole mobility in indium antimonide doped with zinc and cadmium. V. A. Kokoshkin. Izv. AN SSSR. Ser. fiz. 28 no. 6.980-984 Je '64.

INDIUM ANTIMONIDE CRYSTALS—ELECTRIC PROPERTIES

Electric properties of doped InSb n-type crystals in a wide range of temperatures and impurity concentrations. V. V. Galavanov, D. N. Nasledov, A. S. Filipchenko. Izv. AN SSSR. Ser. fiz. 28 no. 6:963-968 Je '64.

INDIUM ANTIMONIDES

Some homogeneous phases of indium antimonides and tellurides. I. P. Molodian, S. I. Radautsan. Izv. AN SSSR. Ser. fiz. 28 no. 6:1017-1022 Je '64.

INDIUM ANTIMONIDES—ELECTRIC PROPERTIES

Effect of the structure of the layer on the current carrier mobility in indium antimonide films. V. A. Kas'ian, M. V. Kot. Izv. AN SSSR. Ser. fiz. 28 no. 6.993-995 Je '64.

Electric properties of indium antimonide doped with various impurities. K. I. Vinogradova and others. Izv. AN SSSR. Ser. fiz. 28 no. 6:959-962 Je '64.

INDIUM-ARSENIC-TELLURIUM ALLOYS

Physicochemical properties of alloys of the section indium arsenide - tellurium. B. P. Kotrubenko, V. N. Lange, T. I. Lange. Izv. AN SSSR. Ser. fiz. 28 no. 6:1007-1009 Je '64.

INDIUM ARSENIDES—ELECTRIC PROPERTIES

Some electric and galvanomagnetic properties of indium arsenide films. V. A. Kas'ian. Izv. AN SSSR. Ser. fiz. 28 no. 6:996-997 Je '64.

INDIUM ARSENIDES—GALVANOMAGNETIC PROPERTIES

Some electric and galvanomagnetic properties of indium arsenide films. V. A. Kas'ian. Izv. AN SSSR. Ser. fiz. 28 no. 6:996-997 Je '64.

INDIUM COMPOUNDS

Study of the system $InCl_3$ - Li_2S - H_2O by the method of physicochemical analysis. E. M. Nanobashvili, E. S. Vachnadze. Soob. AN Gruz. SSR 33 no. 1:85-92 Ja '64.

INDIUM-GALLIUM-ANTIMONY ALLOYS—ELECTRIC PROPERTIES

Single crystals of alloys of indium antimonide and gallium antimonide and their electric properties. I. S. Baukin, V. I. Ivanov-Omskii, B. T. Kolomiets. Izv. AN SSSR. Ser. fiz. 28 no. 6:1000-1001 Je '64.

INDIUM ISOTOPES

Interaction cross section of neutrons with Sm^{140} and In^{115} nuclei. R. B. Begzhanov and others. Atom. energ. 16 no. 6.523-524 Je '64.

INDIUM PHOSPHIDES

Some properties of thin films of indium phosphide. IA. A. Ugai and others. Izv. AN SSSR. Ser. fiz. 28 no. 6:998-999 Je '64.

INDIUM TELLURIDE

Some homogeneous phases of indium antimonides and tellurides. I. P. Molodian, S. I. Radautsan. Izv. AN SSSR. Ser. fiz. 28 no. 6:1017-1022 Je '64.

INDIUM-ZINC ALLOYS

Electrodeposition of the indium-zinc alloy. L. S. Ionycheva, N. A. Marchenko. Mashinostroenie no. 1:38-39 Ja-F '64.

INDOLACETIC ACID

Effect of heteroauxin on the excretion of sap by sunflower roots. L. V. Mozhaeva, Khuan Mu-iui [Huang Mu-yü], L. A. TSareva. Izv. TSKHA no. 5:47-58 '63.

INDOLE

Derivatives of indole. Part 14: Synthesis of 4H-2, 3-dihydrothieno[3, 3-b] indoles. L. A. Aksanova, N. F. Kucherova, V. A. Zagorevskii. Zhur. ob. khim. 34 no. 5:1609-1613 My '64.

Derivatives of indole Part 22: Improved synthesis of tryptamines N N Suvorov, N P Sorokina, G N TSvetkova Zhur ob khim 34 no 5 1595-1598 My '64

Studies on indole substances in children and adolescents with schizophrenia and other psychoses. Report No. 2 R. A. Aleksaniants. Zhur. nevr. i psikh. 63 no. 7.1022-1028 '63.

INDOLEBUTYRIC ACID

Derivatives of indole. Part 21: Synthesis of 4- and 6-chloroindolylbutyric acids L. B Shagalov, N P Sorokina, N. N Suvorov Zhur ob khim 34 no 5 1592-1595 My '64

INDOLINE

Derivatives of indole Part 15 Syntheses of some condensed indoline systems N M. Sharkova, N F Kucherova, V A Zagorevskii Zhur ob khim 34 no 5 1614-1618 My '64

Derivatives of 7-azaindole Part 7: Dehydrogenation of indoline and 7-azaindoline derivatives with sodium in liquid ammonia L N IAkhontov, M IA Uritskaia, M V. Rubstov, Zhur ob khim. 34 no 5 1456-1458 My '64

INDONESIA—PHARMACOPOEIAS

First edition of a pharmacopeia in Indonesia. P L. Senov. Apt. delo 12 no. 2:91-92 Mr-Ap '63.

INDONESIAN LANGUAGE—DICTIONARIES—RUSSIAN

[Indonesian-Russian school dictionary. 7,000 words] Indoneziisko-russkii uchebnyi slovar'. 7000 slov. Sost. A. S. Teselkin i A. P. Pavlenko. S prilozheniem kratkogo grammaticheskogo ocherka russkogo iazyka, sost. A. S. Teselkinym. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 577 p.

INDOPHENOL

Determining ammonia nitrogen in soil extracts using indophenol dyes. E. I. Shkonde, I. E. Koroleva. Pochvovedenie no 6:54-60 Je '64

INDUCTION HARDENING

Hardening of crankshaft journals with emergence of the hardened layer on the hollow chamber G. F Golovin, V. I. Smirnov. Trudy NIITVCH no. 1/2 80-93 '60

Hardening of gears using a two-frequency low-powered electric generator. G. F. Golovin, E. P. Evangulova. Trudy NIITVCH no. 4 55-63 '63.

High-frequency induction hardening of small steel components. G. A. Speranskii, V F Biziaev. Trudy NIITVCH no. 1/2 101-115 '60.

Quenching of bearing rings in high-frequency induction heating. B. A. Kuznetsov, N. V. Zimin. Trudy NIITVCH no. 1/2:94-100 '60.

Study of chemical and thermal processes in the treatment of steel components with high-frequency induction heating. M. M. Zamiatnin, T. A. Balueva. Trudy NIITVCH no. 1/2:116-126 '60

Study of shower-type quenching. G. F. Golovin, N. V. Zimin. Trudy NIITVCH no. 4.70-81 '63.

INDUCTION HEATING

Automatic control of the temperature of thin tubes with continuous and sequential induction heating in inductors with finite length. N. E. Razorenov. Trudy NIITVCH no 4.36-54 '63.

Cementing of wood during heating in a high-frequency electric field. T. A. Shelina. Trudy NIITVCH no. 1/2 152-167 '60.

Design of an induction heating transformer V G. Tikhomirov. Trudy NIITVCH no. 4 131-136 '6

Development of high-frequency stoves for
tion. E. A. Bamberg, N. E. Lipavskaia, G.
Trudy NIITVCH no. 4 121-130 '63.

Diffusion of cementite during the electric
carbon steel. V. Belotskii. Metalloved
met. no. 2:41-43 F '64.

Electromagnetic processes in a conductin
during induction heating in a circular in
magnetic circuit. N. P. Glukhanov. Trud
no. 4:22-35 '63.

Electromagnetic processes in plates and c
high frequencies. N. P. Glukhanov. T
no. 1/2:6-23 '60.

Golovin, G. F., ed. [Industrial uses of hi
currents] Promyshlennoe primenenie to
chastoty. Moskva, Mashinostroenie, 19

Induction heating in forges and rolling mil
A. N. Shamov. Trudy NIITVCH no. 4.5-2

Induction heating transformers. V. G. Tik
Trudy NIITVCH no. 1/2:178-187 '60.

Stabilized thyratron rectifier with a wide
tion. A. V. Bamuner. Trudy NIITVCH n
'60.

Transmission of energy through a conduc
varying magnetic field. G. L Zelenin.
no. 1/2:24-34 '60.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Canada)

Moscow. Arkhitekturnyi institut. Fakul'tet promyshlennogo stroitel'stva. [Architectural design of industrial buildings and structures] Arkhitekturnoe proektirovanie promyshlennykh zdanii i sooruzhenii. Moskva, Stroiizdat, 229 p.

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS

Prospective type of drive of railless machines for the transportation of ore in underground workings S S Muzgin. Trudy Inst. gor. dela AN Kazakh SSR 13:85-92 '64.

INDUSTRIAL ENGINEERING

Determining the cost of a machine tool- hour accounting for the actual loading of equipment. M A Anisimova Mashinostroitel' no 5 38 My '64

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

More on the repair of equipment I L Lil'ko Mashinostroitel' no 4 18 Ap '64

New development in financing capital repairs S Chernikov Den i kred 22 no 7 60-68 Jl '64

INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS

Determining the economic efficiency of the modernization of industrial equipment. K. A. Bolotnyi, L. P. Bregman, P. IA. Enina. Vest. mashinostr. 44 no. 2:68-71 F '64.

INDUSTRIAL HYGIENE

Lukovnikov, A. V. [Fundamentals of safety engineering and fire-prevention techniques] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Izd-vo 'Kolos," 1964. 238 p.

Method of studying the causes and the economic sequelae of the incidence of disease and the temporary loss of the working capacity Z V Bazhanova, L L. Kalacheva Zdrav. Ros. Feder. 8 no 5:11-16 My '64.

To the new successes Sots obesp 25 no 5 2-7 My '64

INDUSTRIAL MANAGEMENT

(see also subdivision under Donets Economic region; Germany, West; Kirov Province; Voronezh Province)

Analysis and its methods. A. V. Shchavelev. Nar. khoz. Kazakh. 22 no. 3:67-71 Mr '64

Course of the All-Union Public Inspection of the carrying-out of research plans and of the introduction of scientific and technical achievements into the national economy. S. A. Kandash. Vest. mashinostr. 44 no. 2:80-81 F '64.

Economic work and improving the efficiency of production D. Nikitin Plan khoz 41 no 7 57-64 Jl '64

Establishing norms for working capital by the output of finished articles. A. P. Gritsai Mashinostroitel' no. 5:37 My '64.

In the National Economic Council of the U. S. S. R. Plan khoz 41 no. 7 94-95 Jl '64

Introduce advanced equipment into production actively and make wider use of potentialities. Stan. i instr. 35 no. 5:1-2 My '64.

Malyshev, I. S. [Economics and administrative practice] Ekonomicheskaia nauka i khoziaistvennaia praktika. Moskva, Ekonomika, 1964. 95 p. (Obsuzhdaem problemy sovershenstvovaniia planirovaniia, no. 5)

Planning the specialization
M Gazaliev. Plan. khoz
Uncovering potentials is

tion, Industrial

INDUSTRIAL TELEVISION

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Industrial television at a construction project, practices of the No. 2 Housing Construction Combine of the Main Leningrad Construction Administration] Promyshlennaia televizionnaia ustanovka na stroitel'stve, opyt Domostroitel'nogo kombinata No. 2 Glavleningradstroia. Moskva, Gosstroiizdat, 1961. 7 p.
[MICROFILM]

Using television for the transmission of blueprints of part drawings. O.D.Bychkov. Mashinostroenie no.1 Ja-F '64.

INDUSTRIAL WASTES see subdivision under Chelyanbinsk Province, Sverdlovsk Province

INDUSTRIAL WASTES—PURIFICATION

Testing an experimental commercial rotary-disk extractor for dephenolizing tar waters S Z Kagan and others Gaz prom 7 no 4 13 17 '62

INDUSTRIES, LOCATION OF

History of the reception and accommodation of evacuated enterprises and population in Kazakhstan K IU Oraz... Vest AN Kazakh SSR 19 no 6 12-19 Je '63

INDUSTRY

Brief news Mir ekon i mezhd inar. otn no 6:113-115 '64

INDUSTRY—ABSTRACTS

[Economics of industry] Ref.sbor. Ekon prom. no.7 Jl '64

INEQUALITIES (MATHEMATICS)

Inequalities for integral functions of finite power in the metric of a generalized Lebesgue space I I Ibragimov Dokl AN Azerb SSR 20 no 4 13-18 '64

Inequalities for positive integral functions in a generalized Lebesgue space D I Mamedkhanov Dokl AN SSSR no 3 526-528 Jl '64

Kipnis, I.M. [Collection of applied problems in inequality theory, a textbook for teachers] Sbornik prikladnykh zadach na neravenstva; posobie dlia uchitelei. Izd.2., dop. Moskva, Prosveshchenie, 1964. 142 p.

INERTIAL NAVIGATION (AERONAUTICS)

Inertial systems of control E. Arkad'ev Tekh i vooruzh no 6:28-33 Je '64

INFANTICIDE

Possibility of determining a live birth in saprogenic changes in the lungs G A Pashinian Sud -med ekspert 7 no 2 22-23 Ap-Je '64

INFANTRY—EQUIPMENT

Criticism and bibliography. V. Milanov, N. Mishin. Starsh -serzh no.6:38 Je '64

INFANTS—DISEASES

Morphological changes in the basal argyrophilic substance of the liver and in some sections of the nervous system during colienteritis in breast-fed infants. V. V. Zarudin Trudy SMI 15:226-235 '62

Sudden death of an 8½-month-old infant caused by idiopathic myocarditis complicated by heart rupture. L P Rozin Sud.-med ekspert 7 no 2:56 Ap-Je '64

INFANTS (NEWBORN)

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i genekologii. Moskva, Meditsina.

Vol.3. Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologiia rodov i poslerodovogo perioda. Fiziologiia i patologiia novorozhdennogo.

Pt.1. [Pathology of labor] Patologiia rodov. Red. L.S. Persianinov. 1964. 895 p.

(DNLM)

INFANTS (NEWBORN)—DISEASES

Characteristics of the nervous system in newborn infants under normal and pathological conditions. I. O. Gitula, F.S. Stal'nenko. Zhur.nevr.i psikh. 63 no.7:1012-1017 '63.

Duodenal stenosis in newborn children. M. T. Trukhachev. Vest khir 91 no 10 102-103 O '63

Perforation of the cecum in a newborn infant Z P. Kudriavtsev Vest.khir. 91 no.10 102 O '63

X-ray diagnosis of congenital listeriosis in newborn infants A. I. Kochergin Vest.rent.i rad. 38 no 3:25-27 My-Je '63

INFECTION

Akademiia meditsinskikh nauk SSSR, Moscow. Institut epidemiologii i mikrobiologii. [Problems of infectious pathology and the experimental therapy of infections (on the 60th birthday of Professor Kh. Kh. Planel'es, Corresponding Member of the Academy of Medical Sciences of the U.S.S.R.); transactions of the Institute] Voprosy infektsionnoi patologii i eksperimental'noi terapii infektsii (k 60-letiiu so dnia rozhdeniia chlena-korr. AMN SSSR prof. Kh. Kh. Planel'esa); trudy instituta. Pod obshchei red. S. N. Muromtseva. Moskva, 1963. 495 p.
(DNLM)

Voloshchuk. Khirurgiia 40 no.2:35-40 F '64.

Principles of rational antibiotic therapy of some surgical infections. M I. Kuzin, M A. Chistova. Khirurgiia 40 no.2:11-19 F '64.

INFLAMMATION

Action of X rays and hormones on the penetration of labeled albumin into an inflammatory focus E R Bagramian, D E Grodzenskii Pat fiziol i eksp terap 7 no 6 27-31 N-D '63

Intensity of exudative inflammatory reaction depending on the season P P Golikov Pat fiziol i eksp terap 7 no 6 31-33 N-D '63

INFLATION (FINANCE) see subdivision under Italy

INFLORESCENCE

Anatomic investigation of the vascular equipment in flowers of some species of the families Orobanchaceae and Scrophulariaceae IA. D Tiagi Vest. Mosk. un. Ser 6: Biol., pochv. 17 no. 2:29-52 Mr-Ap '62

Dependence of the viability of female inflorescences of corn upon their position on the stem. T. D. Veselova. Vest. Mosk un. Ser. 6 Biol., pochv. 18 no. 3:47-58 My-Je '63

Infructescence ability and susceptibility to Phytophtora of tomato hybrid fruits in the year of crossing. A. M. Gorobets, L. V. Pirozhnaia. Vest. LGU 19 no. 9:52-58 '64.

Recent data on the morphology of the inflorescence of the species Cosmea bippinatus under the influence of X rays. N P. Begiarian. Izv. AN Arm. SSR. Biol. nauki 16 no 2:53-58 F '63

Significance of stamen morphology in the taxonomy of the genus Cuscuta L N. S Mitrofanova. Biul MOIP. Otd. biol 69 no. 3:132-133 My-Je '64

INFLUENZA

Comparative evaluation of some laboratory methods of the specific diagnosis of influenza IE. IE. IEfimov Mikrobiol. zhur. 25 no. 6:23-28 '63.

Study of the effect of meteorological factors on the incidence of influenza and acute catarrhs of the upper respiratory tracts. M A. Mastenitsa and others. Trudy Tom NIIVS 14:103-107 '63.

Susceptibility of animals to influenza. O. V. Sydorenko Mikrobiol. zhur. 25 no. 6:28-33 '63.

INFORMATION SERVICES

Gol'dgamer, G. I. [Organization and planning of work connected with information service] Organizatsiia i planirovanie rabot sluzhb informatsii. Moskva, Ekonomika, 1964. 194 p.

INFORMATION SERVICES—ABSTRACTS

[Scientific and technical information] Ref. zhur.: Nauch. i tekh. inform. no. 3 My '64.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Griaznukhina, T. A., L. E. Pshenichnaia, and E. F. Skorokhod'ko. [Information retrieval system; one method for machine literature searching] Sistema informatsionnogo poiska; ob odnom sposobe mashinnogo poiska literatury. Kiev, Izd-vo "Naukova dumka," 1963. 83 p. (Seriia po novoi tekhnike)

INFORMATION THEORY

The entropy concept in the theory of probability and its application in the theory of transmission of information through communication channels. M. Rosenblatt-Roth. Teor. veroiat. i ee prim. 9 no. 2:238-261 '64.

Smolov, V. B., and others. [Reliability of a coding converter] Nadezhnost' kodiruiushchego preobrazovatelia. Leningrad, 1964. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Pribory i elementy avtomatiki)

Some characteristics of linear codes correcting asymmetrical errors R R. Varshamov. Dokl AN SSSR 157 no. 3:546-548 Jl '64.

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Green light for flameless burners. Zhil.-kom. khoz. 13 no 10.23-24 O '63.

Studying the possibility of the utilization of infrared rays in drying and disinfecting grain. A. Levin and others. Muk.-elev. prom. 30 no. 2:29-31 F '64.

INFRARED SPECTRUM see Spectrum, Infrared

INFUSORIA

(see also subdivision under Murman Coast)

Function of the endoplasmic reticulum in Colpidium colpoda. T. N. Mosevich. Sbor. rab. Inst. tsit. no. 3:18-19 '63.

Role of the acethylcholine-cholinesterase system in the coordination of ciliary motion in infusorians. L. N. Seravin. Sbor. rab. Inst. tsit. no. 3:111-122 '63.

INGUL VALLEY—ROCKS, SEDIMENTARY

Lithology of the Samatian sediments in the Southern Bug and Ingul Valley. N. N. TSikhots'ka. Geol. zhur. 23 no. 4:105-108 '63.

INGURI VALLEY—PETROLOGY

Petrography of the lower part of the Middle Jurassic volcanic formation. T. V. Dzhanelidze. Soob. AN Gruz. SSR 33 no. 1:131-138 Ja '64.

Effect of 5-hydroxytryptophan (serotonin precursor) on food-procuring conditioned reflexes in rabbits. M I Voronina, N A. Tushmalova Zhur. vys nerv. deiat 13 no 6 1071-1076 N-D '63

INHIBITION (CHEMISTRY)

Mechanism of the phosphite inhibition of hydrocarbon oxidation. P. I. Levin. Zhur. fiz. khim. 38 no. 3: 672-675 Mr '64.

INJECTIONS

Intraosseous introduction of drugs in first aid treatment B M Komissarov, M A Sarkisov, K I Smolinskii Vest khir 91 no 10.119-120 O '63

INJECTIONS, INTRA-ARTERIAL

Treatment of acute craniocerebral trauma by intracarotid injections of penicillin. I. S. Kal'ter. Khirurgiia 40 no. 2;40-49 F '64.

INLAND NAVIGATION

Kanlovskii, D. S., P. I. Semenov, and T. E. Freiburg. [Waterways with navigation locks] Shliuzovannye vodnye puti. Moskva, Izd-vo "Transport," 1964 300 p.

Rul'kov, D. I., and V. F. Saratov. [Navigational buoyage and beacon markers and signaling on inland waterways] Znaki sudokhodnoi obstanovki i signalizatsiia na vnutrennikh vodnykh putiakh. Izd. 4., dop. i perer. Moskva, Izd-vo "Transport," 1964. 127 p. illus.

Structure of a rectangular cross-section open-channel flow in an area of unilateral, streamlined, coastal projection. N. P. Giliarov. Trudy LIVT no. 46:14-21 '63.

INLAND NAVIGATION—COLD WEATHER CONDITIONS

Methods of prolonging the navigation period on inland waterways. I. M. Konovalov and others. Trudy LIVT no. 46:30-37 '63.

INLAND WATER TRANSPORTATION

[Bulletin of additions and amendments to the regulations and instructions of the Register of River Shipping] Biul Rech. reg. RSFSR no. 6 '62.

Significance and effectiveness of the construction of the Black Sea - Baltic Sea water transportation connection B P Skvartsou. Vestsi AN BSSR Ser fiz.-tekh. nav. no 1,130-134 '64.

INSCRIPTIONS, TURKISH

The Mogilian monument of the 10th century. G. Aidarov. Vest AN Kazakh SSR 19 no. 5:77-84 My '63.

INSECT TRAPS see subdivision under Kirghizistan

INSECTICIDES

Gar, K. A. [Chemistry protects crops] Khimiia zashchishchaet urozhai. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 12)

Organic insectofungicides. Part 76: Synthesis of some new derivatives of carbamic acid. K. D. Shvetsova-Shilovskaia and others. Zhur. ob. khim. 34 no. 6:1779-1780 Je '64.

INSECTS see subdivision under Issykkul' region

INSECTS—CLASSIFICATION

Materials on the taxonomy of predatory mites of the family Cheyletidae. Pt. 6: Genus Ornithocheyletia Volgin gen. n. V. I. Volgin. Zool. zhur. 43 no. 1:28-30 '64.

INSECTS—COLLECTION AND PRESERVATION

Use of polyethylene bags for conservation of insect collections. V. G. Kochenkov. Sbor. ent. rab. no. 2:100 '62.

INSECTS—DEVELOPMENT

Degeneration of the striated muscle fibers of the bluebottle fly Calliphora erytrocephala Mng. during the period of postembryonic development. A. P. Murashkina. Trudy SMI 15:122-130 '62.

Morphological characteristics of pupae in several owlet moth species (Lepidoptera, Noctuidae) of the subfamily Hadeninae. E. I. Khot'ko. Zool. zhur. 43 no. 1:65-70 '64.

INSECTS—EMBRYOLOGY see Embryology—Insects

INSECTS, INJURIOUS AND BENEFICIAL see subdivision under East Kazakhstan Province; Kirghizistan; Sverdlovsk

INSTRUMENT FLYING—EQUIPMENT AND SUPPLIES

Development of control and navigation systems. V. Seleznev. Av. i kosm. 47 no. 7:16-20 Jl '64.

INSTRUMENT INDUSTRY

Malov, A. N. [Mechanization and automation of assembly work in the instrument industry] Mekhanizatsiia i avtomatizatsiia sborochnykh rabot v priborostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 351 p.

Gavrilov, A. N., ed. [Manufacture of instruments and means for automatic control, manual in five volumes] Priborostroenie i sredstva avtomatiki, spravochnik v piati tomakh. Moskva, Mashinostroenie.

Vol. 3. [Construction and calculation of devices] Konstruktsiia i raschet priborov.

Book 2. Shchedrovitskii, S. S., ed [Measuring instruments and their electrical components] Izmeritel'nye pribory i ikh elektricheskie elementy. 1964. 391 p

Vol. 3. [Technology of instrument manufacture] Tekhnologiia priborostroeniia.

Book 2. Syrovatchenko, P. V., ed. [Technology of the assembly of elements of instruments and means of automation] Tekhnologiia sborki elementov priborov i sredstv avtomatiki. 1964 391 p.

INSTRUMENTS, ELECTRIC see Electric instruments

INSULATING OILS

Obtaining transformer oil from distillates of Surakhani selected crude oil and Karachukhur and Siazan petroleums B Sh Kuliev and others. Nefteper i neftekhim no 4:8-11 '63

INSULATING OILS—ANALYSIS

Studying the sulfur compounds in transformer oil. B. B. Krol', A. A Rozhdestvenskaia, N. N. Kucherlavaia Khim. i tekh. topl. i masel 9 no. 5 39-43 My '64.

INSULATION (HEAT)

(see also subdivision under Ukraine)

Porous ceramics with a high alumina content and increased gas permeability V. D. TSigler, B. E. Pindrik. Stek. i ker 21 no. 1:22-26 Ja '64

INSULIN

Insulin function of the mother and fetus. L. L. Liberman, IU. A. IAvoshevskii. Biul. eksp. biol. i med. 56 no. 8: 21-24 Ag '63.

Mechanism of the action of insulin. A. S. Oganesian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9.23-32 S '63.

INSULIN SHOCK

Surgical treatment of hyperinsulinism. O. V. Nikolaev, A. P. Kalinin, E. G. Veinberg. Khirurgiia 40 no. 2: 134-140 F '64.

INSURANCE

The new and progressive should be introduced more boldly; survey of articles and correspondence received by the editor. Fin. SSSR 38 no. 7:69-74 Jl '64.

INSURANCE—CONGRESSES

Insurance workers' conference. Fin. SSSR 38 no. 7: 94-95 Jl '64.

INSURANCE, AGRICULTURAL see subdivision under Krasnodar Territory

INSURANCE, SOCIAL

(see also subdivision under Ukraine)

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Social security and insurance in the U. S. S. R.; collection of official documents] Sotsial'noe obespechenie i strakhovanie v SSSR, sbornik ofitsial'nykh dokumentov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 461 p.

To the new successes. Sots. obesp. 25 no 5:2-7 My '64

INSURANCE, SOCIAL—EMPLOYEES

Personnel of the organs and institutions of social insurances Sots. obesp. 25 no. 5.54-55 My '64

INTAKES (HYDRAULIC ENGINEERING)

Settlement of the larvae of fouling organisms at water intake installations of a metallurgical plant (Sea of Azov) I. V. Starostin, E. P. Turpaeva. Trudy Inst. okean. 70:142-150 '63.

INTEGRAL EQUATIONS

An integral equation used in statistics. D. V. Anosov. Vest. LGU 19 no. 7:151-154 '64.

Methods for the approximate integration of kinetic equations. V. V. Biriukov. Zhur. fiz. khim. 38 no. 3: 740-741 Mr '64.

Solution of a certain type of two-dimensional integral equations. V. M. Aleksandrov. Prikl. mat. i mekh. 28 no. 3:570-581 My-Je '64.

Uniqueness of a solution to an integral equation. N. V. Azbelev, Z. B. TSaliuk. Dokl. AN SSSR 156 no. 2:239-242 My '64.

INTEGRAL EQUATIONS—NUMERICAL SOLUTIONS

Nedialkov, I. P., and G. I. Penchev. [Numerical solution of nonregularized Low equations] O chislennom reshenii neregulliarizovannykh uravnenii Lou. Dubna, Ob''edinennyi in-t iadernykh issl., 1963. 11 p.

INTEGRALS

Algebraic integrals in the problem involving the motion of a heavy gyrostat around a fixed point. I. A. Keiss. Prikl. mat. i mekh. 28 no. 3:516-520 My-Je '64.

Certain properties of indefinite integrals and the derivative of an almost periodic S^p-function. O. S. Kovan'ko, L. M. Lisevych. Dop. AN URSR no. 6:705-706 '63.

Integral invariants of Pfaff's completely integrable systems of differential equations. H. I. Drinfel'd, Kim Kiong. Dop. AN URSR no. 6:713-716 '63.

A multiple stochastic integral. G. N. Sytaia. Ukr. mat. zhur. 16 no. 3:351-364 '64.

Nonlinear transformations of continual integrals by Gaussian measures. A. D. Shatashvili. Dop. AN URSR no. 6:717-719 '63.

INTEGRALS, DEFINITE

Generalization of Simpson's, Newton's, and Milne's quadrature formulas. D V. Ionescu. Soob. AN Gruz. SSR 34 no. 1:11-19 Ap '64

INTEGRALS, MULTIPLE

Calculating double improper integrals. V. E. Pospeev. Izv. Kazan. fil AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:92-105 '62.

INTEGRODIFFERENTIAL EQUATIONS

Holomorphic solutions to a certain class of nonlinear integrodifferential equations with different parameters. K. A. Nadzhafov. Dokl. AN Azerb. SSR 19 no. 6:3-10 '63.

Numerical solution of a boundary value problem for a system of nonlinear integrodifferential equations describing a hypersonic boundary layer. B M Budak, T F Bulatskaia, F P Vasil'ev. Sbor. rab. VTS MGU 2 146-161 '63

Solution of a nonlinear integrodifferential equation by the method of upper and lower functions. P. K. Zeragiia. Soob. AN Gruz. SSR 34 no. 1:3-10 Ap '64.

Use of a BESM-2M computer in solving the self-consistent field equation for atoms. V F Brattsev Vest LGU 19 no. 10 24-30 '64

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

(see also subdivision under Transcaucasia)

Economic effectiveness of intersystem couplings. V. M. Birashevich, L. M. Vainshtein. Elek. sta 35 no. 4:50-54 Ap '64.

INTERFEROMETER

Radio interferometer with frequency multiplication. V. I. Babii, V V Vitkevich. Radiotekh i elektron. 9 no. 6: 960-965 Je '64.

INTERNAL COMBUSTION ENGINE EXHAUST GAS

Determining the temperature of engine exhaust gases taking the change of the cylinder volume during the exhaust process into account. M. G. Makhan'ko, V. G. Erokhin. Trudy MIIT no. 179:101-105 '64.

INTERNAL COMBUSTION ENGINES

Some general features of the characteristics of internal combustion engines. E. G. Severov. Izv. vys. ucheb. zav.; mashinostr. no. 3:103-113 '64.

Some new equations for the calculation of torsional oscillations of the shafts of multicylinder internal combustion engines K T. Akimov. Vest. AN Kazakh. SSR 19 no. 5:68-76 My '63.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. no. 7 Jl '64.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Effect of the change in the resistance of the inlet conduit on the capacity and efficiency of engines K. B. Serebriakov, IU. K. Bobkov. Trudy GSKHI 11 no 1:5-8 '61.

Effect of the clearance in the mechanism of gas distribution on the basic indices of an engine. K. B. Serebriakov, IU K. Bobkov. Trudy GSKHI 11 no. 1 9-10 '61.

INTERNAL COMBUSTION ENGINES—NOISE

Effect of individual parameters of the gas distribution mechanism on the noise characteristics of the M-20 and GAZ-69 engines. K. B. Serebriakov Trudy GSHKI 11 no. 1:64-68 '61.

INTERNAL FIXATION IN FRACTURES

Osteoblastoclastoma (giant-cell tumor). IA. G. Dubrov, O. Sh. Buachidze, P. D. Fedotov. Khirurgiia 40 no. 2: 113-121 F '64.

Osteosynthesis using one or two metal screws without plates in diaphysial oblique, oblique-spiral and spiral fractures of the tibia. S. O. Portugalov, O. S. Brodskii. Khirurgiia 40 no. 2:128-132 F '64.

Tissue preservation and bone homoplasty in clinical practice. M. V. Volkov, M. I. Panova, A. S. Imamaliev. Khirurgiia 40 no. 2:121-128 F '64.

INTERNAL FRICTION

Motion of a free gyroscope taking into consideration internal friction in flexible elements of its structure. L. I. Kargu, I. M. Okon, L. I. Roberman. Izv. AN SSSR. Mekh. i mashinostr. no. 3:152-154 My-Je '64.

Temperature dependence of the internal friction of a standard linear solid under heavy damping conditions. S. I. Meshkov, V. S. Postnikov, T. D. Shermergor. Izv. AN SSSR. Mekh. i mashinostr. no. 3:90-95 My-Je '64.

INTERNAL FRICTION—MEASUREMENT

Pulse method for measuring internal friction O. I Megrian, Z A. Chelidze Soob AN Gruz SSR 31 no 3 565-568 S '63.

THE INTERNATIONAL

Most valuable source on the history of the international labor movement K Konnova Mir ekon i mezhdunar. otn no 6 146-150 '64

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL ECONOMIC RELATIONS

Stepanov, V. I. [Economic bases of peaceful coexistence] Ekonomicheskie osnovy mirnogo sosushchestvovaniia. Pod red. S. L. Vygodskogo. Moskva, Izd-vo "Ekonomika," 1964. 154 p.

What goes on behind the "Bilderberg Meetings" G. Ushakov. Mir ekon i mezhdunar otn no 6 131-136 '64

INTERNATIONAL EDUCATION see subdivision under Lithuania

INTERNATIONAL LAW

Moscow. Institut mezhdunarodnykh otnoshenii. [Problems of international law] Voprosy mezhdunarodnogo prava. Moskva, IMO, 1963. 297 p.
(CStmoR)

N. M. Minasian's "The substance of contemporary international law." V. M. Shurmalov. Sov. gos. i. pravo 34 no. 5:158-160 My '64.

INTERNATIONAL RELATIONS

Airapetian, M. E., and V. V. Sukhodeev. [Socialist foreign policy] Sotsialisticheskaia vneshniaia politika. Moskva, Izd-vo "Znanie," 1964 78 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 9-10)

Another anticommunist fabrication. A. N. Talalaev. Sov. gos. i. pravo 34 no. 5:142-144 My '64.

International sanctions against colonizers and racialists V. Brykin. Mir ekon i mezhdunar otn no. 7 16-24 '64

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONALISM

(see also subdivision under Lithuania)

The working of the law governing the development of nationality relations under capitalism and socialism. P. M. Rogachev, M A. Sverdlin. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 2.126-135 '64.

INTERPLANETARY VOYAGES

Acceleration of a cosmic apparatus within the sphere of attraction of a planet. V. V. Beletskii, V. A. Egorov. Kosm. issl. 2 no. 3:392-407 My-Je '64.

Interplanetary flights by means of motors of constant power. V. V. Beletskii, V. A. Egorov. Kosm. issl. 2 no. 3:360-391 My-Je '64.

Optimal trajectories and optimal parameters of cosmic apparatus with motors of limited power. IU. N. Ivanov, V. V. Tokarev, IU. V. Shalaev. Kosm. issl. 2 no 3: 414-432 My-Je '64.

Trajectories of cosmic flights with a constant vector of rocket acceleration. V. V. Beletskii. Kosm. issl. 2 no. 3:408-413 My-Je '64.

Use of the steepest descent method in the calculation of interorbital trajectories in the case of motors of limited power. IU. N. Ivanov, IU. V. Shalaev. Kosm. issl 2 no. 3:433-440 My-Je '64.

INTERPOLATION

Computation schemes for the analytic continuation of two-dimensional potential fields on the basis of interpolation G. IA Golizdra. Izv. AN SSSR Ser. geofiz. no. 6 903-910 Je '64

INTERVERTEBRAL DISK—DISEASES

Pneumospondylography in the diagnosis of posterior protrusion and prolapse of lumbar intevertebral disks. B. L. Dybnov. Zhur. nevr. i psikh. 64 no. 5:686-689 '64.

INTERVERTEBRAL DISK—HERNIA

Clinical aspects and results of surgical treatment in intervertebral disk hernia. B. N. Esperov. Zhur nevr. i psikh. 64 no. 5:694-700 '64.

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINAL FISTULA see Fistula, Intestinal

INTESTINES

Effect of whole-body X-ray irradiation on the nucleotide composition of DNA in the spleen and small intestines of rats. V. E. Komar. Radiobiologiia 3 no. 6:815-819 '63.

INTESTINES—DISEASES

All-Union Conference on the Physiology and Pathology of the Intestines. V. N. Budagovskaia, I. B. Kuvaeva. Vop. pit. 22 no. 6:79-84 N-D '63.

Differential diagnosis of morphological changes in the intestine in dysentery and "colienteritis" in breast-fed and very young children. V. V. Zarudin. Trudy SMI 15:236-246 '62.

INTESTINES—DISEASES (Continued)

Morphological changes in the basal argyrophilic substance of the liver and in some sections of the nervous system during colienteritis in breast-fed infants. [illegible] Trudy SMI 15 226-235 '62

Some clinical observations of colienteritis in children. [illegible] Trudy TomNIIVS 14:77-79 '63

Treatment of enterocolitis in children with dry plasma and [illegible] N B Musaev. Azerb med zhur [illegible] no 10 43-45 O '63

INTESTINES—INNERVATION

Experimental reactive changes in nervous elements of the large intestine. G I Larionova. Trudy SMI 15:164-171 '62

INTESTINES—MICROBIOLOGY

[illegible] T N Kaganovskaia. Lab delo no 6 379-381 '64

Comparative study of the methods for indicating the pathogenic enterobacteria in the water. T V Staro[illegible] Lab delo no 6 353-354 '64

Method of growing and coagulation for the detection of enterobacteria in the water. E G Vainberg. Lab. delo no 6 351-352 '64

INTESTINES—OBSTRUCTIONS

Acute intestinal obstruction following appendectomy and its treatment. N S Timofeev, E V Ivanova, V A Plotnikova. Vest khir 91 no 10 57-61 O '63

Surgical tactics in adhesive intestinal obstruction. N G. Gataullin. Vest khir 91 no 10 65-69 O '63

INTESTINES—RADIOGRAPHY

Clinical and X-ray examination of the stomach and the intestines of small animals. V K Fhekhlachev, B S [illegible] Zap Vor sel'khoz inst 17 no 2 234-241 '62

INTESTINES—SURGERY

Strangulation of a paraduodenal hernia in a 6-year-old girl. [illegible] Vest khir 91 no 10 104 O '63

INTESTINES—TUMORS

Eosinophilic granuloma of the large intestine. A.I Perel'shtein. Vop onk 8 no 10:88-89 '62

Inflammatory "tumors" following appendectomy. B I [illegible] Vest khir 91 no 10 61-65 O '63

INTESTINES—WOUNDS AND INJURIES

Avulsion of the gallbladder, lesions of the liver, and the small and large intestine in closed injury. L A Movchaniuk. Vest khir 91 no 10 112-113 O '63

INTRATRACHEAL ANESTHESIA

Characteristics of intubation anesthesia in transpleural surgery on cancer of the esophagus and cardia. V A Chibunovskii. Trudy Inst klin i eksp. khir. AN Kazakh SSR 8 140-145 '62

INVARIANTS

Invariance in combined regulation diagrams. N.V. Arslutkin, A.E.Trop. Izv.vys.ucheb.zav.; gor.zhur. 7 no.4:157-162 '64.

Poles of the generation amplitude for the process [illegible] [with summary in English]. V.I.Fushchych. Ukr.fiz.zhur. 9 no.2:117-121 F '64

INVENTIONS

[Leaflet for the innovator and the inventor] List.rats.i izobr. nos 3-4, 6-7 '62.

Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov. TSentral'nyi Sovet. [Collection of materials to aid the organizational units of the All-Union Society of Inventors and Rationalizers] Sbornik materialov v pomoshch' organizatsiiam VOIR. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1963. 187 p.

INVERTEBRATES—ANATOMY

Beklemishev, V.N. [Principles of the comparative anatomy of invertebrates] Osnovy sravnitel'noi anatomii bespozvonochnykh. Izd. 3., perer. i dop. v dvukh tomakh. Moskva, Izd-vo "Nauka,"
  Vol. 1. [Promorphology] Promorfologiia. 1964. 431 p.

INVESTMENTS, FOREIGN see subdivision under Ceylon

INVESTMENTS, WEST GERMAN see subdivision under Austria

IODIDES

Behavior of iodide and iodine on the platinum microelectrode. V. A. Zakharov, O. A. Songina. Zhur. fiz. khim. 36 no. 6:1226-1231 Je '62.

IODINE

Behavior of iodide and iodine on the platinum microelectrode. V. A. Zakharov, O A Songina. Zhur. fiz khim. 36 no. 6:1226-1231 Je '62.

Large resources of raw materials for iodine production. L. A. Amrom, L. V. Blagodarev, M. V. Feigin. Khim. prom. no. 4:256-260 Ap '64.

Relation between the relative adsorption of bromine and iodine by mineral adsorbents from aqueous solutions in the presence of salts. E I.Akhumov, B.IA.Rozen. Zhur fiz khim. 38 no 3,537-541 Mr '64.

Transition of iodine from aqueous solutions into saturated steam. M.A.Styrikovich and others. Atom.energ. 17 no.1,45-49 Jl '64.

Velocity of sound in iodine solutions. G.A.Samgina, B.B.Kudriavtsev. Zhur.fiz.khim. 37 no.4:918-920 Ap '63.

IODINE—THERAPEUTIC USE

Effect of "novhiod" on the development and course of atherosclerosis (experimental and clinical aspects). G.V.TSabadze. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8:195-202 '63.

IODINE COMPOUNDS

Use of OsO4 as a catalyst in arsenitometry. Report No.5. Determination of sodium chlorite and some iodine compounds. P.Norkus, S.Carankute. Trudy AN Lit.SSR. Ser.B no.1:151-158 '64.

IODINE ISOTOPES

Functional state of the thyroid gland of rabbits in experimental thyroiditis according to data on the absorption of radioactive iodine. L.N Narodetskaia. Izv.AN Kazakh.SSR Ser.med.nauk II no 2:35-43 '64.

Study of capillary permeability in relation to radioactive iodine in atherosclerosis. I.G.Koblashvili, G S. Akhmeteli, N.A.Kurdiani. Trudy Inst.klin.i eksper kard AN Gruz.SSR 8:57-60 '63

IODINE ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of incorporated radioactive iodine on the protein metabolism in calcified tissues. A A. Prokhonchukov. Radiobiologiia 3 no. 6:803-804 '63.

IODINE ISOTOPES—THERAPEUTIC USE

Action of X rays and hormones on the penetration of labeled albumin into an inflammatory focus. E R. Bagramian, D E Grodzenskii. Pat fiziol i eksp terap 7 no 6 27-31 N-D '63.

Effect of radio-iodinated globulins in antitumor serum on the development of the ascitic form of the Ehrlich tumor. IU.A.Umanskii. Vop onk. 10 no.2:91-98 '64.

IODINE ORGANIC COMPOUNDS—DIPOLE MOMENTS

Heats of formation, dipole moments, and ultraviolet spectra of the molecular compounds of iodine with organic sulfides. I.G. Arzamanova, E.N.Gur'ianova Dokl. AN SSSR 157 no 2 375-377 Jl '64.

IODINE OXIDE

Physicochemical study of the interaction of iodine pentoxide with ammonium fluoride. A. A. Opalovskii, Z M. Kuznetsova. Izv. Sib. otd. AN SSSR no. 3:64-69 '62.

Physicochemical study of the interaction of iodine pentoxide with sodium and potassium fluorides. A.A. Opalovskii, Z.M.Kuznetsova, L.A.Luk'ianova. Izv. Sib.otd.AN SSSR no.6:54-58 '62.

IODOMETRY

Determining the sulfur in heavy petroleum products and additives by the iodometric method. N. M. In'kova, P. T. Makarov, N. F. Klemen'teva. Khim. i tekh. topl. i masel 7 no. 10:60-62 O '62.

IODONIUM COMPOUNDS

Reaction of diphenyliodonium fluoboride with aliphatic amines. O. A. Ptitsyna, G. G. Lia... O. A. Reutov. Dokl. AN SSSR 157 no. 2:364-366 Jl '64.

ION BEAMS

Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions. Part 1: Fission of Th^{232} induced by O^{16} and Ne^{22} ions. I. Brandshtetr and others. Radiokhimiia 5 no 6:715-720 '63

Study of the products of reactions of heavy elements with multicharge ions. Part 1: Radiochemical determination of Ac^{225} and Ac^{226} occurring during the irradiation of uranium and thorium by nitrogen and neon ions. I. Bradshtetr and others. Radiokhimiia 5 no. 6:699-705 '63.

Study of the products of reactions of heavy elements with multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions. I. Brandshtetr and others. Radiokhimiia 5 no. 6:706-711 '63.

ION EXCHANGE

Effect of the nature of cation on the mobility of oxygen atoms in anion in aqueous solutions. Part 3. O.K. Skarre and others. Zhur.fiz.khim. 37 no.4:879-881 Ap '63.

Ion exchange on anion exchangers involving penicillin. G.V.Samsonov and others. Zhur.fiz.khim. 37 no.4; 725-729 Ap '63.

Ion-exchange sorption of radioactive elements by soils. Part 4. E.A.Chuvaleva, P.P.Nazarov, K.V.Chmutov. Zhur.fiz.khim. 36 no.6:1376-1381 Je '62.

Ion-exchanging properties of zirconyl phosphate. Part 1: Dependence of the ion-exchange properties of zirconyl phosphate on the conditions of its preparation. E.A. Materova, P A Skabichevskii. Vest.LGU 19 no.10: 65-73 '64.

Ion-exchanging properties of zirconyl phosphate. Part 2: Exchange of a number of singly and doubly charged cations for hydrogen ions of zirconyl phosphate. E. A Materova, P A Skabichevskii. Vest LGU 19 no 10 74-83 '64

Kinetics of ion exchange processes. Part 3. G.S. Libinson, E.M.Savitskaia. Zhur.fiz.khim. 37 no.4: 899-901 Ap '63.

Theory of ion exchange dynamics. Part 6. V.V Rachinskii, S.M.Rustamov. Zhur.fiz.khim. 38 no.3:[illegible]-671 Mr '64.

Theory of the industrial separation of metals by exchange recovery. P.I.Bobikov, I N. Plaksin. Izv.AN SSSR. Met.i gor.delo no. 3:107-116 My-Je '64

Thermodynamics of ion exchange of organic ions. N. A Izmailov, S.Kh.Mushinskaia. Zhur.fiz.khim. 36 no. 6:1210-1216 Je '62.

Thermodynamics of ion exchange on sulfonated copolymers of styrene and divinylbenzene. Part 2. V.S.Soldatov, G.L.Starobinets. Zhur.fiz.khim. 38 no.3:601-605 Mr '64.

ION-EXCHANGE RESINS

Industrial production of alkyl phenol additives with the use of the KU-2 cation exchanger. Z.A.Bernadiuk and others. Khim.i tekh.topl.i masel 9 no.3:27-31 Mr '64.

ION EXCHANGERS

Sorption of gold on cation exchangers from chloride solutions and its carrier-free isolation. Van Fu-tsziun' [Wang Fu-chün] and others. Radiokhimiia 5 no.6:[illegible]-604 '63.

Sorption of uranium by anion exchangers from sulfuric acid solutions. I A.Kuzin, V.P.Taushkanov. Zhur. prikl.khim. 37 no.5:1005-1009 My '64

Synthesis of esters of nitrocarboxylic acids in the presence of the AV-17 anion exchanger. V.I.Isaguliants, E.L.Markosian. Zhur.prikl.khim. 37 no 5:1145-1149 My '64.

Use of ion exchangers in soil and agrochemical studies. A.V.Peterburgskii. Pochvovedenie no.6:80-89 Je '64.

ION SOURCES

Source of polarized ions. B.P.Ad'iasovich and others. Atom.energ. 17 no.1:17-22 Jl '64.

IONIC SOLUTIONS

Use of the indicator method for determining the concentration of ions and nondissociated particles. M.I. Vinnik, R.S.Riabova. Zhur.fiz.khim. 38 no.3:608-615 Mr '64.

IONIZATION

"Ionization constants of acids and bases. A laboratory manual" by A.Albert, E.P.Serjeant. Zhur.fiz.khim. 38 no.3:816-817 Mr '64.

Study of flame ionization by the electrode method. N.A. Nesterko, V.S.Rossikhin, V.I.Tverdokhlebov. Zhur. fiz.khim. 37 no.4:940-942 Ap '63.

Surface ionization of organic molecules on molybdenum and nickel. O.K.Fomin, M.V.Tikhomirov. Zhur.fiz. khim. 38 no.3:813-814 Mr '64.

Surface ionization of organic molecules on platinum. O.K.Fomin, M.V.Tikhomirov. Zhur.fiz.khim. 38 no.3:725-728 Mr '64.

IONIZATION OF GASES

Ionization of oxygen at a three-phase boundary in alkaline solutions. IU.A.Mazitov, K.I.Rozental', V.I.Veselovskii. Zhur.fiz.khim. 38 no.3:697-701 Mr '64.

Near-the-electrode layers of changes in the potential when a weak current is sent through an ionized gas. G.A.Liubimov. PMTF no.6:140-146 N-D '63.

IONIZED AIR see Air, Ionized

IONS—ABSORPTION SPECTRA

Width of the absorption bands in impurity ions with unfilled shells in crystals. D.T.Sviridov. Dokl. AN SSSR 157 no.2:334-336 Jl '64.

IONS—MIGRATION AND VELOCITY

Determination of the mobility of ions of cobalt and copper impurities in LiCl and HCl solutions. E.A.Kalmakov. Zhur.fiz.khim. 38 no.3:802-804 Mr '64.

IRAN—HISTORY—SOURCES

Determining the source of the "Kartlis TSkhovreba." G.S.Mamuliia. Soob.AN Gruz.SSR 33 no.1:251-256 Ja '64.

IRAN—PETROLEUM GEOLOGY

Similarity in the structure and productivity of Groznyy and Iranian pools. G.N.Maksimovich. Neft.khoz. 41 no.11:32-35 N '63.

IRISH MISSIONS see Missions, Irish

IRKUTSK—ELECTRIC POWER

Regulate the consumption of electric power. V.Briukhanov, A.Shcherbakova. Zhil.-kom.khoz. 13 no.10 21-22 O '63.

IRKUTSK—GRAIN—DRYING

Using gas thermometers in grain dryers. M.Kvetnyi. Muk.-elev.prom. 30 no.4:16-19 Ap '64.

IRKUTSK—RABIES—PREVENTIVE INOCULATION

Irkutsk modification of antirabic vaccinations and the Fermi method based on the materials of the Irkutsk Pasteur Station, 1937-1916, author's abstract. V A. Florensova. Trudy Irk. NIIEM no. 6 121-128 '61.

IRKUTSK PROVINCE—EDUCATION, ELEMENTARY

Great tasks and considerable possibilities. L Men'shikov Nar. obr no 7 16-21 Jl '64

IRKUTSK PROVINCE—NAMES, GEOGRAPHICAL

Mel'kheev, M. N. [Origin of geographical names in Irkutsk Province] Proiskhozhdenie geograficheskikh nazvanii Irkutskoi oblasti. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1964. 88 p.

IRON

Behavior of iron in the process of serpentization. D S. Shteinberg, I. A. Malakhov. Dokl. AN SSSR 156 no. 2 355-358 My '64.

Further study of the products of iron spallation by 660 MeV protons. A. K. Lavrukhina and others. Radiokhimiia 5 no. 6: 721-732 '63.

IRON—ANALYSES

Extraction of trivalent iron by isoamyl phosphoric acid solutions. IU. B. Kletenik. Izv. Sib. otd AN SSSR no. 6 ;59-67 '62.

IRON—METALLOGRAPHY

Effect of phosphorus on the surface tension and density of iron. IU. M. Gogiberidze, M. A. Kekelidze, Sh. M. Mikiashvili. Soob. AN Gruz. SSR 31 no. 1:125-130 Jl '63.

IRON—METALLURGY

Formation of wustite during low-temperature reduction of hematite and magnetite. K. N. Potenkin. Izv. AN SSSR. Met. i gor. delo no. 3:17-21 My-Je '64.

Pokhvisnev, A. N., ed. [Iron production in foreign countries without the use of blast furnaces] Vnedomennoe poluchenie zheleza za rubezhom. [By] A. N. Pokhvisnev i dr. Moskva, Izd-vo Metallurgiia, 1964. 367 p.

IRON ALLOYS

Geometry of the phase diagrams of iron-carbon and iron-carbon-silicon alloys. A. A. Zhukov. Zhur. fiz. khim. 36 no. 6;1371-1375 Je '62.

IRON ALLOYS—HEAT TREATMENT

Amount of strain occurring during the graphitization of iron alloys. A. A. Baranov. Izv. AN SSSR, Met. i gor. delo no. 3;122-124 My-Je '64.

IRON ALLOYS—METALLOGRAPHY

Recrystallization in solid solutions of nickel-iron and iron-manganese. A. S. Nikonenko Sbor nauch. trud. KGRI no 21 217-224 '63.

IRON AND STEEL PLANTS—PRODUCTION STANDARDS see subdivision under Temirtau

IRON CATALYSTS

Mechanically resistant iron catalyst for the oxidation of sulfur dioxide. I. P. Mukhlenov, D. G. Traber, E. I. Dobkina. Khim. prom. no. 4;241-243 Ap '64.

Use of iron catalysts in the contact-tower process. I. M. Easlev, I. P. Mukhlenov, D. G. Traber. Zhur. prikl. khim. 37 no. 5;972-979 My '64.

IRON-CHROMIUM ALLOYS see Chromium-iron alloys

IRON FOUNDING

Effect of alkaline additives on the formation of stickings on iron castings. K. I. Vashchenko, S. P. Doroshenko. Izv. vys. ucheb. zav. ; mashinostr. no. 3;164-169 '64.

IRON INDUSTRY

Problems of developing and distributing ferrous metallurgy in the eastern part of the Soviet Union. M. D. Darishev. Trudy Inst. ekon. AN Kazakh. SSR 9:127-144 '63.

IRON MINES AND MINING

(see also subdivision under Krivoy Rog Basin)

Ways of expanding iron ore mining in the U. S. S. R. S. M. Meteshkin, V. A. Ivanov. Shakht. stroi. 8 no. 5;1-4 My '64.

IRON-NICKEL-CHROMIUM ALLOYS—METALLOGRAPHY

X-ray and electron microscopy investigations of 16-25 and 16-40 type alloys. S. A. IUganova and others. Metalloved. i term. obr. met no. 2;19-24 F '64.

IRON-NICKEL-CHROMIUM ALLOYS— METALLURGY

Effect of iron on the solubility of aluminum in γ-solid solutions of the system Ni - Cr - Fe. K. V. Horau, Z. D. Paulenka. Vestsi AN BSSR. Ser fiz. -tekh. nav no. 1.110-112 '64.

IRON ORES

(see also subdivision under Altai Mountains; Georgia)

Prospects for mastering the flotation of iron ore oxides at the Krivoy Rog Central Mining and Ore Dressing Combine. B. V Malygin. Sbor. nauch. trud. KGRI no 21·266-276 '63.

Using activated silicate for regulating the structure of pulp in the flotation of iron ore F N Belash, N F Antonova Sbor nauch trud KGRI no 21 239-246 '63

IRON ORES—TESTING see subdivision under Kursk Magnetic Anomaly

IRRIGATION

Establishment of an optimum irrigation system using a distribution technique. O G. Solomoniia. Trudy Inst. energ. AN Gruz. SSR 17;177-186 '63

IRRIGATION FARMING

(see also subdivision under Caucasus, Northern; Don Valley)

Efficiency of basin snow-water irrigation. V. Ivanov. Ekon. sel'khoz. 34 no. 12.40-45 D '63

ISOBUTYL SULFATE

Separation of isobutylene from isobutylsulfuric acid by hydrocarbons without diluting acid with water. V. M. Sobolev and others. Khim. prom. no. 4 268-272 Ap '64.

ISOMERISM

Isomerism of 3,3,3-trifluoropropylmethylcyclosiloxanes. IU. A. IUzhelevskii and others. Zhur. ob. khim. 34 no 6;1780-1782 Je '64.

ISOMERIZATION

Influence of ultraviolet rays on the isomerization of cyclohexane to methylcyclopentane IA M Paushkin, A F Lunin, V R. Mkrtychan Izv vys ucheb zav., neft' i gaz 6 no 5 57-62 '63

Mechanism of the isomeric transformation of ketones. Part 2 Action of 72% chloric acid on pivalophenone containing C^{14} in carbonyl T B Remizova, T E Zalesskaia Zhur ob. khim. 34 no. 5 1395-1399 My '64.

ISOMERS

Sequence of the boiling points of stereoisomeric 1-methyl and 1-ethyl-4-tert-butylcyclohexanes A. L. Liberman and others Dokl. AN SSSR 156 no. 2 375-378 My '64.

ISOPENTYL PHOSPHATES

Extraction of trivalent iron by isoamyl phosphoric acid solutions. IU. B. Kletenik. Izv. Sib. otd. AN SSSR no. 6;59-67 '62

ISOSTASY

Causes of earth crust movements; deep-lying gravitational tectogenesis A I Rybin Priroda 53 no 7 87-91 '64

International Geological Congress, 22d. 1964. [Isostasy] Izostaziia. Moskva, Izd-vo "Nauka," 1964. 70 p. (Its. Doklady sovetskikh geologov, problema 12)

ISOTHERMIC CURVES see Curves, Isothermic

ISOTOPE EXCHANGE

Isotopic exchange of hydrogen sulfide with the products of its sorption on catalytic and activated carbon S. M. Golland, T. K. Krapivina, V. I. Lazarev. Zhur. fiz. khim. 36 no. 6;1320-1324 Je '62.

Nature of active centers in the reaction involving the isotopic exchange of hydrogen on γ-irradiated silica gel. G. K. Boreskov and others. Dokl. AN SSSR 157 no. 2;384-387 Jl '64.

ISOTOPE SEPARATION

Effect of isotope separation during electron transfer in liquid metals. D. K. Belashchenko, G. A. Grigor'ev. Zhur. fiz. khim. 37 no. 4;929 Ap '63.

Separation of Bi, Hg, and Ag from complex mixtures of elements by partition chromatography. A V. Kaliamin. Radiokhimiia 5 no. 6;749-751 '63.

ISOTOPES

Third International Conference on Separation, Analysis, and Use of Stable Isotopes. V. S. Zolotarev. Atom. energ. 16 no. 6;541-543 Je '64.

ISOXAZOLIDINONE

Relationship between the dose of DL- and D-cycloserine and the effect on the convulsive action of some analeptics. N M. Smol'nikova, G. IA Kivman. Farm. i toks. 26 no 1;17-22 Ja-F '63

ISQUINOLINE

Solubility of the nitrates, monosubstituted phosphates, and chromates of quinoline and isoquinoline in water. I. G. Belavina, M. M. Potashnikov. Zhur. prikl. khim. 37 no. 5;1025-1029 My '64.

ISSYKKUL'—TREMATODA

System of Allocreadiidae and the comparative characteristics of the representatives of the genus Allocreadium. K. I. Iksanov. Izv. AN Kir. SSR. Ser. biol. nauk 6 no. 2: 77-82 '64.

ISSYKKUL' REGION—INSECTS

Penetration of insects from China and Mongolia into the Issykkul' region. V. F. Palii. Sbor. ent. rab. no. 2;55-57 '62.

ISSYKKUL' REGION—MITES

Gamasid mites of the Issykkul' trough and adjacent ranges. S. K. Sartbaev. Sbor. ent. rab. no. 2;81-86 '62.

ISTISU (AZERBAIJAN)—MINERAL WATERS

Glucose regulation in Botkin's disease in compound therapy with the use of Istisu mineral wate- Azerb med. zhur 40 no 10 41-47 O '63

ITALY—CHEMICAL INDUSTRIES

Shaken giant I Vodiakha Mir ekon i mezhdunar otn no 6 108-111 '64

ITALY—COAL MINERS

"Your endeavors are inspiring us as well." D. Dzhiovanneti, S. Gagliardi, A. Mambrini. Sov. shakht. 13 no. 1 45-48 Ja '63.

ITALY—COMMERCE—RUSSIA

Senator Martinelli on his U. S. S R visit, an interview Nov. vrem. 21 no. 27 15 Je '64

ITALY—FEEDS

Production of mixed feeds in England, France and Italy Muk. -elev. prom 30 no. 2:22-27 F '64.

ITALY—INFLATION (FINANCE)

Italy The inflation "stabilization " K Pudina Mir ekon i mezhdunar otn no 7 102-104 '64

ITALY—OCEANOGRAPHIC RESEARCH

Oceanographic center in Venice A A Kirpichnikov Priroda 53 no. 7 109-111 '64

ITALY—POLITICS AND GOVERNMENT

Editorial comment. Nov. vrem. 21 no. 27 1-2 Je '64.

ITALY—TICKS

Review of Oleg Starkoff's book "Ixodoidea of Italy" [in Italian] E. N Pavlovskii Zool zhur 43 no 1 151 '64

IVAN FEDOROV, Printer, d. 1583

Ivan Fedorov, Printer d. 1583. [Grammar] Gramatyka. Kyiv, Vyd-vo "Dnipro," 1964. 1 v.

The 400th anniversary of Russian printing. A. S. Glebov. Der. prom. 13 no. 3:4 Mr '64.

IVAN IV, The Terrible, 1530-1584

Studying the "oprichnina" of Ivan the Terrible. S. M. Kashtanov. Ist. SSSR 7 no. 2 96-117 Mr-Ap '63.

IVANENKO, BORIS IVANOVICH, 1888-

B. I. Ivanenko's 75th birthday. M. V. Gerasimov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 173-174 '63.

IVANOV, IL'IA IVANOVICH, 1870-1932

Skatkin, P. N. [Il'ia Ivanovich Ivanov, an outstanding biologist] Il'ia Ivanovich Ivanov—vydaiushchiisia biolog. Moskva, Izd-vo "Nauka," 1964. 185 p. (Nauchno-biograficheskaia seriia)

IVANOVO—HEALTH RESORTS, WATERING PLACES, ETC.

Benevolenskii, A. M. [Sosnevskiy Mineral Springs] Sosnevskii mineral'nyi istochnik. Izd. 2., dop. IAroslavl', Verkhne-Volzhskoe izd-vo, 1964. 45 p. (DNLM)

JAPAN—COMMERCE

Control over foreign exchange and foreign trade in Japan. E. Barinov. Den i kred 22 no. 6 82-89 Je '64.

JAPAN—COMMERCE—RUSSIA

Japanese firms are trade partners in the All-Union Association of "Raznoimport." A. Drobiazko Vnesh. torg. 44 no 5 39 '64.

JAPAN—COMMUNIST PARTY

The Communist Party of Japan

Korea] Politika SShA v stranakh Dal'nego Vostoka; IAponiia, IUzhnaia Koreia. Moskva, Izd-vo "Nauka," 1964. 324 p.

JAPAN—GEOGRAPHY

Popov, K. M. [Japan; essays on the development of its national culture and geographical thought] IAponiia; ocherki razvitiia natsional'noi kul'tury i geograficheskoi mysli. Moskva, Izd-vo "Mysl'," 1964. 638 p. (Geograficheskaia seriia)

JASPILITE—ANALYSIS see subdivision under Kursk Magnetic Anomaly

JA[illegible]E

[illegible] narrowing of the [illegible] Vest khir 91 [illegible]

[illegible] "Ferr[illegible]rus" and its significance in [illegible] of the American Academy [illegible] Pain". D P [illegible] Zhur. nevr. i psikh [illegible] 1112-1114 '63

JAWS—ABNORMITIES AND DEFORMITIES

P[illegible]mareva, V. A. [Mechanism of the development and methods for the correction of maxillodental deformations] Mekhanizm razvitiia i sposoby ustraneniia zubo[illegible] deformatsii. Moskva, Izd-vo "Meditsina," 1964 87 p. (Bibliotechka prakticheskogo vracha)
(DNLM)

JAWS—CANCER

[illegible] of a stable cure of a neglected form of squamous cancer and a basaloma of the facial skin with lesion of the jaws. L. N Makedonskaia. Vop onk 8 no.1[illegible] '62.

JER[illegible]AS see subdivision under Gobi Altai

JERSEY CATTLE

[illegible] castrated hybrid Jersey bull calves. A. M. [illegible] Trudy Bel. nauch.-issl. inst. zhiv [illegible] 127 '62

JESUS CHRIST—RATIONALISTIC INTERPRETATIONS

Pechura, Petras. [What we know about Christ] Ka zinome apie Kristu. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963, 29 p. [In Lithuanian]

JET PLANES—FUEL

Investigating the effect of nitrogen bases on the stability of fuels at increased temperatures. *P. I. Davydov, G. F. B[illegible]ahkov, E. A. Glebovskaia.* Khim. i tekh. topl. i masel 7 no. 10:20-26 O '62.

JETS—FLUID DYNAMICS

Conditions for the disturbance of flow steadiness of a wall jet in a flat channel with bulging walls. IU. V. Rabeznikov, E. A. Boitsova. Izv. AN SSSR. Mekh. i mashinostr. no. 3:168-172 My-Je '64

Fluid flows induced by turbulent jets. O. V. IAkovlevskii, A. N. Sekundov. Izv. AN SSSR. Mekh. i mashinostr. no. 3:3[illegible]-46 My-Je '64.

Use of the tensometric method in measuring high-speed high-pressure pulsewise jets. V. P. Borodin, B. V. Voitsekhovskii, V. V. Mikhailov. PMTF no. 6:104-108 N-D '63.

JIGS AND FIXTURES

Universal multiple jig for drilling holes. G A. Fedorov. Mashinostroitel' no 5:15 My '64.

JOB DESCRIPTIONS

Skilled labor is one of the factors in the differentiation of wages. IA Gomberg. Vop ekon no 7 21-30 Jl '64

JOINTS

Comparative mobility of the joints in young swimmers. B. L. Skvortsov, B. V. Sermeev. Teor. i prak. fiz. kul't. 27 no. 6:52-53 Je '64.

JOINTS—BLOOD SUPPLY

Restoration of blood circulation in a transplanted joint homograft according to X-raying data. A. S. Imamaliev. Azerb. med zhur. 40 no. 10:46-48 O '63.

JOINTS—DISEASES

Review of I. L. Klioner's book "Senile and degenerative changes in the joints and spine." S. L. Firer. Ortop., travm. i protez. 24 no. 12:80-82 D '63

Roentgenological changes in the joints in collagen diseases. V. V. Zodiev, P. A. Spasskaia. Vest. rent. i rad. 38 no. 3:3-8 My-Je '63.

Use of helioaerotherapy under E. A. Cherniavskii's jalousies in the compound treatment of lesions of the joints in Chartak. T. V. Tolkacheva. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:135-142 '62.

JOINTS—RADIOGRAPHY

Roentgenological changes in the joints in collagen dis- [illegible] V. V. Zodiev, P A. Spasskaia. Vest. rent. i rad

JOURNALISM, MILITARY
(see also subdivision under Czechoslovakia)

Follow-up of our articles. Komm. Vooruzh. Sil 4 no. 10 95 My '64.

Ideological work and the newspaper. V. Grekov. Komm. Vooruzh. Sil 4 no. 19:17-23 O '63.

The "Strazh Baltiki" visits us. I. Vornik. Tekh. i vooruzh. no. 6:18-19 Je '64.

JOURNALISM, MILITARY—CONGRESSES

Readers' conference of the "Voenno-istoricheskii zhurnal." O. Fel'dman, V. Cheremnykh. Voen.-ist. zhur. 6 no. 6:107-111 Je '64.

JUDGE-MADE LAW

The role of judicial practice in the formulation and improvement of norms of socialist law. Anita Nasit, Inna Fodor. Sov. gos. i pravo 34 no. 5:21-30 My '64.

JUNCTION TRANSISTORS

Effect of complementary charged centers on the capacitance of silicon p-n junctions. G. B. Abdullaev, E. A. Dzhafarova, Z. A. Iskender-Zade. Dokl. AN Azerb. SSR 20 no. 3 17-21 '64

JUPITER (PLANET)

Observation of the radio emission from Jupiter at a wavelength of 6 5 cm at Pulkovo. V. IA Gol'nev, N. M. Lipovka, IU. N. Pariiskii. Dokl AN SSSR 157 no 3.554-556 Jl '64.

JUVENILE DELINQUENCY

Prevention of law violations by juveniles requires more attention. A. A. Sokolov. Sov. gos. i. pravo 34 no. 5:88-90 My '64.

JUVENILE DELINQUENCY—RESEARCH

Forms of cooperation between scholars and practitioners in the study of juvenile delinquency and its prevention. N. M. Guskov, N. I. Gukovskaia. Sov. gos. i pravo 34 no. 5:91-94 My '64.

KABANOV, BORIS NIKOLAEVICH, 1904

Boris Nikolaevich Kabanov; on his 60th birthday. A. N. Frumkin, P. D. Lukovtsev, D. I. Leikis. Zhur. fiz. khim. 38 no. 3.818-819 Mr '64.

KABARDINO-BALKAR A.S.S.R.—AGRICULTURE

Land as the basic wealth of a collective farm. K. N. Kerefov. Uch. zap. Kab.-Balk. gos. un. no. 18:11-17 '63.

Ten years of struggle and victory. K. N. Kerefov. Uch. zap. Kab.-Balk. gos. un. no. 18:153-158 '63.

KABARDINO-BALKAR A.S.S.R.—CORN (MAIZE)

Row crop cultivation in the mountain zone of Kabardino-Balkar A. S. S. R. A. M. Ruguzov. Uch. zap. Kab.-Balk. gos. un. no. 18:25-26 '63.

KABARDINO-BALKAR A.S.S.R.—CORN BREEDING

Self-pollination of corn with the addition of foreign pollen. M. K. Kerefova, M. D. Shaova. Uch. zap. Kab.-Balk. gos. un. no. 18:61-66 '63.

KABARDINO-BALKAR A.S.S.R.—FIELD CROPS

For a large harvest. K. N. Kerefov. Uch. zap. Kab.-Balk. gos. un. no. 18:3-10 '63.

KABARDINO-BALKAR A.S.S.R.—FOOD INDUSTRY

Food industry in the economic system of Kabardino-Balkar A. S. S. R. T. Kh. Khashkhozheva. Uch. zap. Kab.-Balk. gos. un. no. 18:139-151 '63.

KABARDINO-BALKAR A.S.S.R.—FORAGE PLANTS

Effect of supplementary foliar feeding with trace elements on the productivity and yield quality of wild forage plants. K. N. Kerefov, M. Sh. Makoev. Uch. zap. Kab.-Balk. gos. un. no. 18:37-43 '63.

KABARDINO-BALKAR A.S.S.R.—LAND TENURE

Agrarian relations in Kabardia and Balkaria in the 19th century. T. A. Zhakomikhov. Uch. zap. Kab.-Balk. gos. un. no. 18:79-96 '63.

Feudal obligations and the emancipation of peasants from *serfdom* in Kabardia and Balkaria in 1867. T. A. Zhakomikhov. Uch. zap. Kab.-Balk. gos. un. no. 18:117-138 '63.

Feudal relationships in Kabardia and Balkaria. T. A. Zhakomikhov. Uch. zap. Kab.-Balk. gos. un. no. 18:97-116 '63.

KABARDINO-BALKAR A.S.S.R.—MANUFACTURES

Mambetov, G. Kh. [Peasant crafts in Kabarda and Balkaria in the second half of the 19th and the beginning of the 20th centuries] Krest'ianskie promysly v Kabarde i Balkarii vo vtoroi polovine XIX-nachale XX veka. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 109 p.
(MH)

KABARDINO-BALKAR A.S.S.R.—PASTURES AND MEADOWS

Improvement of mountain pastures and hayfields in Kabardino-Balkar A. S. S. R. V. I. Syromiatnikov. Uch. zap. Kab.-Balk. gos. un. no. 18:27-31 '63.

KABARDINO-BALKAR A.S.S.R.—PEAS

Sowing time for peas in the Kabardino-Balkar A. S. S. R. I. G. Butov. Uch. zap. Kab.-Balk. gos. un. no. 18:49-54 '63.

KABARDINO-BALKAR A.S.S.R.—PLANTING TIME

Sowing time for peas in the Kabardino-Balkar A. S. S. R. I. G. Butov. Uch. zap. Kab.-Balk. gos. un. no. 18:[illegible] '63.

KABARDINO-BALKAR A.S.S.R.—ROTATION OF CROPS

Row crop cultivation in Kabardino-Balkar A. S. S. R. A. M. Ruguzov. Uch. zap. Kab.-Balk. gos. un. no. 18:[illegible] '63.

KABARDINO-BALKAR A.S.S.R.—SERFDOM

Feudal obligations and the emancipation of peasants from serfdom in Kabardia and Balkaria in 1867. T. A. Zhakomikhov. Uch. zap. Kab.-Balk. gos. un. no. 18:117-138 '63

KABARDINO-BALKAR A.S.S.R.—SOIL FORMATION

Formulating the problem of studying woody vegetation as a factor of soil formation in the vertical zonality of Kabardino-Balkaria. K. N. Kerefov, K. I. [illegible] Uch. zap. Kab.-Balk. gos. un. no. 18:50-60 '63.

KABARDINO-BALKAR A.S.S.R.—SUNFLOWERS—FERTILIZERS AND MANURES

Placement of fertilizers in hills and its effect on the growth, development, and yield on sunflowers in the piedmont zone of the Kabardino-Balkar A. S. S. R. Kh. Zh. Balkarov. Uch. zap. Kab.-Balk. gos. un. no. 18:55-[illegible] '63.

KABARDINO-BALKAR A.S.S.R.—TILLAGE

Cultivation practices in the control of wireworms. N. I. Nefedov, P. G. Sokrokov. Uch. zap. Kab.-Balk. gos. un. no. 18:45-48 '63.

KABARDINO-BALKAR A.S.S.R.—WHEAT—FERTILIZERS AND MANURES

Productivity of the ear as related to the supplementary fertilizing at the third and fourth stages of organogenesis in the piedmont zone of Kabardino-Balkar A. S. S. R. K. N. Kerefov, M. Kh. Khanlev. Uch. zap. Kab.-Balk. gos. un. no. 18:33-36 '63.

KABARDINO-BALKAR A.S.S.R.—WIREWORMS—EXTERMINATION

Cultivation practices in the control of wireworms. N. I. Nefedov, P. G. Sokrokov. Uch. zap. Kab.-Balk. gos. un. *no. 18:45-48* '63.

KAKHETIA—FOREST INSECTS

Weevils (Coleoptera, Curculionidae) injurious to the forests of Kakhetiya. A. O. Cholokava. Soob. AN Gruz. SSR 33 no. 1:211-216 Ja '64.

KAKHETIA—MOLLUSKS, FOSSIL

Evolution of some forms of the genus Cardium in the Akchagyl' age. N. M. Kukavadze. Soob. AN Gruz. SSR 34 no. 1:107-110 Ap '64.

KAKHETIA—WEEVILS

Weevils (Coleoptera, Curculionidae) injurious to the forests of Kakhetiya. A. O. Cholokava. Soob. AN Gruz. SSR 33 no. 1:211-216 Ja '64.

KALANCHAK—BULGARIAN LANGUAGE—DIALECTS

History of the Dermendere dialect. I. K. Bunina. Vop *slav. iaz. no. 7:119-147* '63.

KALININ, MIKHAIL IVANOVICH, 1875-1946

Tolmachev, A. V. Kalinin. Moskva, Molodaia gvardiia, 1963, 269 p. illus. (Zhizn' zamechatel'nykh liudei. Seriia biografii)
(NIC)

KALININ—HOUSING MANAGEMENT

A big family. N. Karpova. Zhil.-kom. khoz. 13 no. 10: 14 O '63.

KALININ PROVINCE—RURAL CONDITIONS

Anokhina, L. A., and M. N. Shmeleva. [Culture and living conditions of the collective farmers of Kalinin Province] Kul'tura i byt kolkhoznikov Kalininskoi oblasti. Moskva, Izd-vo "Nauka," 1964. 361 p.

KALININGRAD—AGRICULTURAL LIBRARIES

Library of the Kaliningrad Agricultural Experiment Station. R. Berdichevskii. Biul. TSentr. nauch. sel'khoz. bibliot. no. 7:29-32 '61.

KALININGRAD—ANCHORAGE

Testing a mooring on pile shells. A. IA. Serebro and others. Transp. stroi. 13 no. 12:53-55 D '63.

KALININGRAD—CONCRETE PILING

Testing a mooring on pile shells. A. IA. Serebro and others. Transp. stroi. 13 no. 12:53-55 D '63.

KALININGRAD PROVINCE—FIRES AND FIRE PREVENTION

Organized fire protection of enterprises. F. Palusov. Muk.-elev. prom. 30 no. 4:30 Ap '64.

KALININGRAD PROVINCE—GRAIN ELEVATORS

Organized fire protection of enterprises. F. Palusov. Muk.-elev. *prom. 30 no. 4:30* Ap '64.

KALMYK A.S.S.R.—PASTURES AND MEADOWS

[illegible] of fresh water in seasonal pastures of the sandy Kalmyk steppe. S. V. Viktorov. Biul [illegible] no. 3:129-132 My-Je '64.

KALMYK A.S.S.R.—WATER UNDERGROUND

Geobotanical indicators of fresh water in seasonal pastures of the sandy Kalmyk steppe. S. V. Viktorov Biul MOIP. Otd. biol. 69 no. 3:129-132 My-Je '64

KALUGA PROVINCE—GUIDEBOOKS

[Through the open spaces of Kaluga territory] Po prostoram Kaluzhskogo kraia. [2.izd., ispr. i dop. Kaluga] Kaluzhskoe knizhnoe izd-vo, 1964. 198 p.

KAMA-KINEL' DEPRESSION—GEOLOGY, STRATIGRAPHIC

Determining the type of geological section on the basis of seismic prospecting data in the Kama-Kinel' Depression. E. K. Chalikova, E. D. Boiarova Razved i prom. geofiz. no. 49:3-11 '63.

KAMA-KINEL' DEPRESSION—SEISMIC PROSPECTING

Determining the type of geological section on the basis of seismic prospecting data in the Kama-Kinel' Depression. E. K. Chalikova, E. D. Boiarova. Razved. i prom. geofiz. no. 49:3-11 '63.

KAMA VALLEY—AIR—POLLUTION

Problems of the conservation of nature and the rational use of Kama Valley natural resources. B. P. Kolesnikov and others. Okhr. prir. na Urale no. 2:5-16 '61.

KAMA VALLEY—CONSERVATION OF NATURAL RESOURCES

Problems of the conservation of nature and the rational use of Kama Valley natural resources. B. P. Kolesnikov and others. Okhr. prir. na Urale no. 2 5-16 '61.

KAMA VALLEY—FORESTS AND FORESTRY

Conservation of forests as an important link in the conservation of Kama Valley natural resources. N. I. Kerzhentsev, E. I. IUrgenson. Okhr. prir. na Urale no. 2:67-75 '61.

KAMA VALLEY—VERTEBRATES

Akademiia nauk SSSR. Kazanskii filial. Biologicheskii institut. [Natural resources of the Volga-Kama territory; the animal kingdom] Prirodnye resursy-Volzhsko-Kamskogo kraia; zhivotnyi mir. Moskva, Izd-vo "Nauka," 1964. 104 p.

KAMA VALLEY—WATER—POLLUTION

Problems of the conservation of nature and the rational use of Kama Valley natural resources. B. P. Kolesnikov and others. Okhr. prir. na Urale no. 2,5-16 '61.

KAMCHATKA—POLITICS AND GOVERNMENT

Flerov, V. S. [Establishment of Soviet rule and the struggle against foreign expansion in Kamchatka, 1922-1926] Stroitel'stvo Sovetskoi vlasti i bor'ba s inostrannoi ekspansiei na Kamchatke (1922-1926 gg.) Tomsk, Izd-vo Tomskogo univ., 1964. 286 p.

KAMCHATKA—ROCKS, IGNEOUS

Volcanic formations of the inner volcanic arc in Kamchatka V. K. Rotman. Trudy VSEGEI 81:183-188 '63.

KAMCHATKA—TROUT

Possibility of applying certain physiological indices in fish classification. K. A. Savvaitova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:25-28 My-Je '63.

KAMYSHIN (VOLGOGRAD PROVINCE)—HISTORY

Manturov, S. S. [From the revolutionary past of Kamyshin, 1905-1920] Iz revoliutsionnogo proshlogo Kamyshina, 1905-1920 gg. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 146 p.
(NjP)

KAN BASIN—COAL

Use of Kan-Achinsk Basin coal in thermal electric power plants. Teploenergetika 10 no. 10:95-96 O '63.

KANASH (CHUVASHIA)—HEALTH EDUCATION

Work of the Kanash District House for Sanitary Education. K. T. Laptonkov, F. G. Grigor'ev. Zdrav. Ros. Feder. 8 no. 5:45-46 My '64.

KANCHALAN BASIN—GLACIAL EPOCH

History of ancient glaciation and the development of perennial frozen rocks in the Kanchalan River Basin. B. I. Vtiurin. Zap. Chuk. kraeved. muz. no. 2:62-65 '61.

KAPLUNOV, IL'IA MAKAROVICH

He is from the Pacific Fleet. P. Rak. Tekh. i vooruzh. no. 6:12-13 Je '64.

KARA KUM—GEOLOGY, STRATIGRAPHIC

Geological cross section of well No. 101 drilled in the central part of the Kara Kum (Sernyye Bugry). I. S. Briun, N. M. Radiukevich, A. I. Smolko. Trudy VSEGEI 109:283-301 '63.

Position of the boundaries of the Jurassic and Cretaceous of the eastern part of the Kara-Kum platform. I. M. Aliev and others. Azerb neft. khoz. 42 no. 9:7-9 S '63.

Stratigraphic division and lithological characteristics of a section of a structural-profile well, drilled at the Cheshme hills (Central Lower Kara Kum). A. I. Aineter and others. Trudy VSEGEI 109 302-319 '63.

KARA KUM—OIL FIELD BRINES

Hydrochemical regionalization of the Mesozoic sediments of the Kara Kum Platform. V. V. Kolodii. Trudy Turk. fil. VNII no 6:13-16 '63

KARABAKH STEPPE—WHEAT

Study of the effect of sowing time on the growth, development and yield of the Bol-Bugda wheat under dry farming conditions. S. I. Mustafaeva. Dokl. AN Azerb SSR 19 no. 6:63-67 '63.

KARACHAY—SOCIAL CONDITIONS

Nevskaia, V. P. [Social and economic development of Karachay in the 19th century; prereform period] Sotsial'no-ekonomicheskoe razvitie Karachaia v XIX veke, doreformennyi period. Pod red. Kh. O. Laipanova. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1960. 159 p.

KARACHI—DESCRIPTION

One day to Karachi. A. Golikov. Nov. vrem. 21 no. 27. 24-27 Je '64.

KARADAG REGION (AZERBAIJAN)—OIL FIELD BRINES

Regularities in the variation of quality characteristics of the oils and the chemical composition of the waters of the Balakhany series of the Peschanyy-More deposit. IA. B. Bashirov. Dokl. AN Azerb. SSR 19 no. 6:35-40 '63.

KARADAG REGION (AZERBAIJAN)—PETROLEUM—ANALYSIS

Regularities in the variation of quality characteristics of the oils and the chemical composition of the waters of the Balakhany series of the Peschanyy-More deposit. IA. B. Bashirov. Dokl. AN Azerb. SSR 19 no. 6:35-40 '63.

KARAGANDA—FEED MILLS

At the Karaganda Mixed Feed Plant. M. Aleshina. Muk.-elev. prom. 30 no. 2:5 F '64.

KARAGANDA BASIN—COAL MINERS

Trade union activists of Mine No. 35. V. Sem'ianov. Sov. shakht. 12 no. 1:32 Ja '63.

KARAGANDA BASIN—COAL MINES AND MINING

Reconstruction of Mine No. 38 of the "Karagandaugol'" Combine. P. K. Matonin, G. A. Lazarev. Ugol' 39 no. 6:15-17 Je '64.

Reducing labor intensity in surface mining operations. Kh. N. Verkhoturov, IU. D. Ispolov, M. K. Zhumabaeva. Trudy Inst. ekon. AN Kazakh. SSR 9:110-119 '63.

Some potentials for reducing labor intensity in Karaganda coal mines. E. M. Fedorova. Trudy Inst. ekon. AN Kazakh. SSR 9:98-109 '63.

KARAGANDA BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Modernization and reorganization for automation of rock handling complexes in operational Karaganda Basin mines. N. G. Shchukin, P. I. Lavrinenko. Nauch. trudy KNIUI no. 11:253-257 '62.

KARAGANDA BASIN—COAL MINES AND MINING—MANAGEMENT

Plan without errors. L. Grachev, B. Kutzhanov. Nar. khoz. Kazakh. 22 no. 3:73-74 Mr '64.

KARAGANDA BASIN—COAL MINES AND MINING—PRODUCTION STANDARDS

Unification of output norms as a factor in strengthening business accounting in mines. L. M. Shnaidman. Trudy Inst. ekon. AN Kazakh. SSR 9:120-126 '63.

KARAGANDA BASIN—ELECTRIC INSULATORS AND INSULATION—TESTING

Studying the condition of the insulation of cable systems in mine sections of the Karagandaugol' Combine. V. A. Mysik. Nauch. trudy KNIUI no. 11:138-151 '62.

KARAGANDA BASIN—ELECTRIC PROSPECTING

Determining the electrical resistivity of beds of small and medium thickness from standard electric-logging diagrams. A. T. Cherniakov. Geofiz. razv. no. 15: 152-156 '64.

KARAGANDA BASIN—ELECTRICITY IN MINING—EQUIPMENT AND SUPPLIES

Testing TSShVP-180/6-type mobile substations in Karaganda mines. O. V. Sukharev. Nauch. trudy KNIUI no. 11:94-104 '62.

KARAGANDA BASIN—ELECTRICITY IN MINING—SAFETY MEASURES

New flexible shielded cables and their use in Karaganda mines. E. G. Kraus, V. S. Zubov, V. G. Sobolev. Nauch. trudy KNIUI no. 11:110-124 '62.

KARAGANDA BASIN—MINE TIMBERING

Using precast reinforced concrete supports in Karaganda Basin mines. G. I. Piven'. Shakht. stroi. 7 no. 3:21-23 Mr '63.

KARAGANDA BASIN—ROCKS—TESTING

Results of studying the abrasiveness and hardness of rocks in the Karaganda Basin. K. G. Sulimov, P. M. TSoi. Nauch. trudy KNIUI no. 11:25-31 '62.

KARAGANDA PROVINCE—CANCER

Endemic characteristics of cancer distribution in Karaganda Province O I Biber Trudy Inst klin i eksp khir AN Kazakh SSR 8 15-18 '62

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—ACCOUNTING

Accounting and profitability are inseparable. P. Chekhlov. Nar. khoz Kazakh. 22 no 3.42-44 Mr '64

KARAGANDA PROVINCE—MINERAL WATERS

Balneological evaluation of mineral waters of the Virgin Territory and Karaganda Province V F. Khomniuk. Izv. AN Kazakh. SSR Ser. med nauk no. 1:66-71 '64.

KARAGANDA REGION—BUILDING MATERIAL PLANTS

For the houses of our "tomorrow." Nar. khoz. Kazakh. 22 no. 3:6-7 Mr '64.

KARAKUL SHEEP see subdivision under Kazakhstan

KARATAU—CUCUJIDAE, FOSSIL

New beetles of the family Cupepidae from the Jurassic deposits of the Karatau. A. G. Ponomarenko Paleont. zhur. no. 2,49-62 '64.

KARATAU—NAUTILOIDEA, FOSSIL

Late Cambrian nautiloids of the Lesser Karatau. V. D Malinovskaia. Paleont. zhur. no. 1:56-62 '64.

KARELIA—FOREST ROADS

Markov, I. I. [Build logging roads faster and less expensively] Stroit' lesovoznye dorogi bystree i deshevle. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 113 p.

KARELIA—LOGGING RAILROADS

Markov, I. I. [Build logging roads faster and less expensively] Stroit' lesovoznye dorogi bystree i deshevle. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 113 p.

KARELIA—WORLD WAR, 1939-1945

Twentieth anniversary of the Vyborg and Svir'-Petrozavodsk operations. P. Egorov. Voen.-ist. zhur. 6 no. 6:119-121 Je '64.

KARST see subdivision under Dniester Valley

KARYOKINESIS

Effect of radiation on the mitotic cycle of the cornea epithelium and the intestine epithelium in mice. M. G. Chumak. Radiobiologiia 3 no. 6:866-874 '63.

KATKUS, MIKALOJUS, 1852-1944

Jurginis, Juozas. Mikalojus Katkus. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 281 p. [In Lithuanian]
(MH)

KAZAKH LANGUAGE—HISTORY AND CRITICISM

Lizunova, E. V. [The contemporary Kazakh novel] Sovremennyi Kazakhskii roman. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 358 p.

KAZAKHSTAN—AGRICULTURAL LIBRARIES

Libraries of research institutions of Kazakhstan. L. T. Gordeeva, T. A. Kapitanova. Biul. TSentr. nauch. sel'khoz. bibliot. no 7:19-22 '61.

Libraries of research institutions of the Ukraine. M. S. Baranova, V. G. Reznikov, T. I. Shapiro. Biul TSentr nauch. sel'khoz. bibliot. no 7:15-19 '61

KAZAKHSTAN—AGRICULT

"Economics of Kazakhsta
sel''

KAZAKHSTAN—BASIDIOMYCETES

[Sporebearing flora of Kazakhstan] Flora sporovykh rastenii Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR.

Vol. 4. Shvartsman, S. R. [Heterobasidiomycetous (Auriculariales, Tremellales, Dacryomycetales) and autobasidiomycetous (exobasidiales, Aphyllophorales) fungi] Geterobazidial'nye (Auriculariales, Tremellales, Dacryomycetales) i avtobazidial'nye (Exobasidiales, Aphyllophorales) griby. 1964. 713 p.

KAZAKHSTAN—BENTONITE

Catalytic and bleaching properties of the bentonites of Kazakhstan. Sh. Battalova, N D. Pak, D. V. Sokol'skii. Vest. AN Kazakh SSR 19 no. 5:6-16 My '63.

KAZAKHSTAN—CANCER—PREVENTION

[illegible] and distribution [illegible] Kazakh SSR [illegible] A N [illegible] Trudy Inst klin i [illegible] 11 '62

KAZAKHSTAN—CAPITAL

[illegible] 7 [illegible] Kazakh 22 no 3 72-73 Mr [illegible]

KAZAKHSTAN—CHEMICAL MACHINERY

[illegible] base Nar khoz [illegible] 14 Mr '64

KAZAKHSTAN—COAL MINES AND MINING—MANAGEMENT

[illegible] current planning [illegible] Kazakh 22 no. 3 25-32 Mr [illegible]

KAZAKHSTAN—COCCIDIUM

[illegible] Marmota menzbieri [illegible] K [illegible] Zool zhur 43 [illegible]

KAZAKHSTAN—CONIFERAE—DISEASES AND PESTS

K [illegible], L.A. [Stem pests of coniferous forests in Kazakhstan] Stvolovye vrediteli khvoinykh lesov Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakh- [illegible] SSR, [illegible].
(DNAL)

KAZAKHSTAN—CORALS, FOSSIL

[illegible] new age [illegible] the Silurian and Devonian Tabulata [illegible] eastern Kazakhstan T T [illegible]arkova. Paleont zhur [illegible] 20 25 '64

KAZAKHSTAN—CORN (MAIZE)

[illegible] for corn seeds on their [illegible] IU P Azhigoev. Vest [illegible] 7 [illegible] 14-19 Je '64

KAZAKHSTAN—CORN (MAIZE)—FERTILIZERS AND MANURES

Fertilizing corn in the irrigated light-colored Chestnut soils in southeastern Kazakhstan F A Amantaev, N M Polarovich, N Umurzakov Vest sel'khoz nauki [Kazakh] 7 no 2 35-42 F '64

KAZAKHSTAN—CROP YIELDS

[illegible] yields S I Egorenkov [illegible] [Kazakh] 7 [illegible] 71-76 Je '64

KAZAKHSTAN—CUCUMBERS—WATER REQUIREMENTS

[illegible] requirements of cucumbers on [illegible] of cell sap in leaves [illegible] Vest sel'khoz nauki [Kazakh] 7 [illegible] 23 [illegible]

KAZAKHSTAN—CURRANTS

Use of simazine in black currant plantations G S [illegible]sipova Vest sel'khoz nauki [Kazakh] 7 no 2:127-130 F '64

KAZAKHSTAN—ECONOMIC CONDITIONS

Abdrazakov, T. [Land of a great future] Krai bol'shogo budushchego Alma-Ata, Kazgosizdat, 1961. 48 p
(DBC)

KAZAKHSTAN—ESOPHAGUS—CANCER

Endemic characteristics of esophagus cancer distribution in Kazakhstan N I, Kolycheva Trudy Inst klin i eksp khir AN Kazakh SSR 8 28-34 '62

KAZAKHSTAN—FALLOWING

Effect of some protective means for corn seeds on their productivity E A Amantaev IU P Azhigoev Vest sel'khoz nauk [Kazakh] 7 no 6 14-19 Je '64

KAZAKHSTAN—FEEDS

Mixed feeds as a potentiality in the intensification of animal husbandry and the improvement of the economic [illegible] of feeding A K Roslıakov Vest AN Kazakh SSR 1[illegible] no 8 3-12 Ag '63

KAZAKHSTAN—FORESTS AND FORESTRY—VALUATION

Determining the thinning intensity of stands in improvement cuttings A A Makarenko Vest sel'khoz nauki [Kazakh] 7 no 2:118-121 F '64.

KAZAKHSTAN—FUR

Improvement of the primary processing of karakuls M. A. Shirinskii, V. N. Pogodin. Vest. sel'khoz nauki [Kazakh.] 7 no 2:69-73 F '64

KAZAKHSTAN—GAS

Put every cubic meter of gas to work. S. Khusainova. Nar. khoz. Kazakh. 22 no. 3,4-9 Mr '64.

KAZAKHSTAN—GOLD ORES

Supergene concentrations of gold in the gold ore deposits of northern Kazakhstan E D Shlygin and others Vest AN Kazakh SSR 19 no. 8:43-46 Ag '63.

KAZAKHSTAN—GRAIN HANDLING

Our current and future plans. A. Platonov. Muk.-elev. prom. 30 no. 2:1-3 F '64.

KAZAKHSTAN—GRANITE

Ezhov, A.I. [Granitoids of the Shalgiya region and postmagmatic formations related to them (central Kazakhstan)] Granitoidy Shalginskogo raiona i sviazannye s nimi poslemagmaticheskie obrazovaniia (TSentral'nyi Kazakhstan). Moskva, Izd-vo "Nauka," 1964. 169 p

KAZAKHSTAN—HEALTH RESORTS, WATERING PLACES, ETC.

Comparative characteristics of the results of treating gynecological diseases at the Ayak-Kalkan and Alma-arasan balneological health resorts A S Sokolova Iz AN Kazakh SSR Ser. med nauk no. 1,80-83 '64.

[illegible]

[Kazakh] 7 no [illegible]

KAZAKHSTAN—HISTORY

"Collected works in five volumes" by Ch. Ch. Valikhanov. Reviewed by E. A. Masanov. Ist. SSSR 8 no. 1:179-181 Ja-F '64.

KAZAKHSTAN—HYBRID CORN—FERTILIZERS AND MANURES

Productivity and physiological characteristics of corn in various space arrangements and under intensified fertilization. P M. Baranovskii, G. M. Titev, E. A. Amantaev Vest sel'khoz nauki [Kazakh] 7 no. 2:30-35 F '64.

KAZAKHSTAN—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

They ignore the specialization IA. Antonov. Nar khoz. Kazakh. 22 no. 3 49-51 Mr '64.

KAZAKHSTAN—KARAKUL SHEEP

Improvement of the primary processing of karakuls. M A. Shirinskii, V. N. Pogodin. Vest. sel'khoz nauki [Kazakh.] 7 no. 2:69-73 F '64

Spring mating of Karakul sheep in southern Kazakhstan. M Muratov Vest. sel'khoz nauki [Kazakh.] 7 no. 2:73-76 F '64.

KAZAKHSTAN—KNIT GOODS INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovations yielded good results. A. Voronina. Nar. khoz. Kazakh. 22 no. 3,47 Mr '64.

KAZAKHSTAN—LABOR AND LABORING CLASSES

The laboring class and technological progress in the process of the building of communism M. S. Azhenov. Vest AN Kazakh SSR 19 no 5:17-24 My '63

KAZAKHSTAN—LUNGS—CANCER

Cancer of the lungs in Kazakhstan. B S Babashev. Trudy Inst. klin i eksp khir. AN Kazakh. SSR 8 56-65 '62

KAZAKHSTAN—MACHINERY—MAINTENANCE AND REPAIR

Developing and distributing the repair base of the heavy industry. P. M. Petukhov and others. Trudy Inst. ekon. AN Kazakh. SSR 9:3-48 '63.

KAZAKHSTAN—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Utilizing metal-working equipment in the machinery manufacturing of Kazakhstan. P. P. Zheltkova and others. Trudy Inst. ekon. AN Kazakh. SSR 9:49-58 '63.

KAZAKHSTAN—MILK—ANALYSIS AND EXAMINATION

Chemical composition and technological properties of the milk of Alatau cows and their crossing with Jersey cattle A. Z. Maksimova. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:63-68 F '64.

KAZAKHSTAN—PALEONTOLOGY, STRATIGRAPHIC

Finds of problematic organic remains in ancient formations of northern Kazakhstan. I. N. Krylov, Z. A. Zhuravleva. Dokl. AN SSSR 156 no. 2,322-323 My '64.

KAZAKHSTAN—PARASITES—CATTLE

Contamination of cattle with Ornithobilharzia in southern Kazakhstan L. I. Lavrov. Paraz sel'khoz. zhiv Kazakh 3 108-113 '64

Helminth infestation of cattle imported from China and Mongolia. O. S. Karamendin. Paraz. sel'khoz zhiv. Kazakh. 3 128-131 '64.

Viability of the larvae of Dictyocaulus viviparus in the piedmont of the Kazakhstan part of the Altai O. S. Karamendin. Paraz. sel'khoz zhiv Kazakh. 3 114-116 '64

Zoogeographical characteristics on the helminth fauna of sheep and cattle in eastern Kazakhstan. O S. Karamendin, N. A. Gubaidulin. Paraz. sel'khoz zhiv. Kazakh. 3,136-142 '64.

KAZAKHSTAN—PARASITES—DEER

Development cycle of Elaphostrongylus panticola Lubimov, 1945 V. IA. Panin. Paraz sel'khoz. zhiv. Kazakh. 3;34-48 '64

Developmental cycle of Elaphostrongylus rangiferi Mitskevich 1958 V IU Mitskevich Paraz sel'khoz. zhiv. Kazakh. 3:49-60 '64

Helminths of Japanese deer and their incidence on the deer raising farms in Altai within Kazakhstan [illegible] Praiadko and others Paraz sel'khoz zhiv Kazakh. 3:61-70 '64

Role of terrestrial mollusks in the incidence of Elapho[illegible] strongylus in Japanese deer V. IA. Panin Paraz sel'khoz zhiv Kazakh. 3 70-83 '64.

KAZAKHSTAN—PARASITES—DUCKS

Searching for methods of treating hymenolepiasis in ducks V V Minaev Vest sel'khoz. nauki [Kazakh] 7 no 6:83-87 Je '64.

KAZAKHSTAN—PARASITES—GOATS

Helminth fauna of sheep and goats imported from China and Mongolia. N A Gubaidulin Paraz. sel'khoz. zhiv. Kazakh 3,132-135 '64

Helminths of sheep and goats in eastern Kazakhstan. N A Gubaidulin. Paraz sel'khoz zhiv. Kazakh. 3 117-12[illegible] '64

KAZAKHSTAN—PARASITES—HORSES

Helminth fauna of horses in southeastern Kazakhstan I. S. Dement'ev, M Sh Utepov Paraz. sel'khoz zhiv Kazakh 3,151-154 '64

KAZAKHSTAN—PARASITES—MARAL

Effect of feeding phenothiazine to marals on the extent of Elaphostrongylosis, Dictyocaulosis, and [illegible] P. P Osipov Paraz sel'khoz zhiv. Kazakh [illegible] '64

Materials on the pathomorphology of brain elaphostrongylosis in marals B P. Vsevolodov, E I Praiadko Paraz. sel'khoz. zhiv Kazakh. 3 71 [illegible] '64

Therapy of elaphostrongylosis in marals. [illegible] V. I. Tetorin Paraz. sel'khoz. zhiv Kazakh [illegible] '64

KAZAKHSTAN—PARASITES—MARMOTS

A new species of Coccidium from Marmota menzbieri Kaschkarov, 1925. S. K. Svanbaev. Zool. zhur. 43 no. 5:764-765 '64.

KAZAKHSTAN—PARASITES—RUMINANTIA

Histological distinctions of cysticerci in small ruminants Z. Kh Tazieva Paraz. sel'khoz. zhiv Kazakh. [illegible] '64.

Specificity of the species of the causative agent of cysticercosis in small ruminants. S. N. Boev, I B. [illegible] Z. Kh Tazieva Paraz sel'khoz. zhiv Kazakh [illegible] '64.

KAZAKHSTAN—PARASITES—SHEEP

Helminth fauna of sheep and goats imported from China and Mongolia N A. Gubaidulin Paraz. sel'khoz. zhiv. Kazakh. 3:132-135 '64

Helminths of sheep and goats in eastern Kazakhstan N A Gubaidulin Paraz sel'khoz. zhiv Kazakh 3,117-127 '64.

Zoogeographical characteristics on the helminth fauna of sheep and cattle in eastern Kazakhstan. O. S Karamendin, N. A Gubaidulin. Paraz sel'khoz. zhiv Kazakh 3:136-142 '64.

KAZAKHSTAN—PARASITES—SWINE

Clinical aspects and epizootiology of trichocephaliasis in swine. Zh Sh Shapolatov Paraz. sel'khoz. zhiv. Kazakh 3,147-150 '64.

KAZAKHSTAN—PASTURES AND MEADOWS

Classification of pastures in Kazakhstan based on the vegetation F P. Borodina, K D Muravlianskii. Vest sel'khoz. nauki [Kazakh.] 7 no. 6 37-42 Je '64

Some problems of efficient utilization of natural grasslands. S. A. Abdil'din. Vest. sel'khoz. nauki [Kazakh] 7 no. 2;3-6 F '64.

Utilization of the pastures in the semidesert and desert zone of Kazakhstan. M A. Govar, S. S Zenin Vest sel'khoz. nauki [Kazakh] 7 no 6:3-7 Je '64.

KAZAKHSTAN—POLYZOA, FOSSIL

Find of representatives of the genera Chainodictyon and Kazarchimedes in the Lower Carboniferous of Kazakhstan. A. G. Plamenskaia. Paleont. zhur. no. 2:45-48 '64.

KAZAKHSTAN—REFUGEES

History of the reception and accommodation of evacuated enterprises and population in Kazakhstan. K. IU Orazov. Vest. AN Kazakh SSR 19 no 6:12-19 Je '63

KAZAKHSTAN—RURAL PLANNING

Basic problems of regional and interfarm planning of agricultural zones. M. A. Gondel'man. Trudy TSel. sel'khoz. inst. 1;5-16 '63.

Making composite plans on the scale of 1:100,000 for the purpose of regional planning. V. K. Plotnikova, V. T. Kirillova. Trudy TSel. sel'khoz. inst. 1:21-30 '63

KAZAKHSTAN—SAKSAUL

Determining the thinning intensity of stands in improvement cuttings. A. A. Makarenko. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2;118-121 F '64.

KAZAKHSTAN—SEEDS—GRADING

Biology of the germination of the seeds of sugar beet varieties. A. A. Almanliazov, T. M. Muratov. Vest sel'khoz. nauki [Kazakh.] 7 no. 2:122-125 F '64.

KAZAKHSTAN—SHEEP

Efficient forms of the organization of work in sheep raising. Sh. Mukhlisulin. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:6-10 F '64

Some economic indices of the development of sheep raising on the Lenin Collective Farm. A G Kuznetsova. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:11-14 F '64

KAZAKHSTAN—SKIN—CANCER

Materials for study of the incidence of skin cancer among the population of Kazakhstan. N F. Kramchaninov. Trudy Inst. klin. i eksp khir. AN Kazakh SSR 8 73-79 '62.

Skin cancer in Kazakhstan in the light of endemic pathology. V A Smirnov. Trudy Inst. klin. i eksp khir. AN Kazakh SSR 8:80-87 '62

KAZAKHSTAN—SOIL CONSERVATION

Baraev, A. I., A. A. Zaitseva, and E. F. Gossen. [Control of the wind erosion of soils] Bor'ba s vetrovoi eroziei pochv. Alma-Ata, Kazsel'khozgiz, 1963. 32 p.
[DNAL MICROFILM]

KAZAKHSTAN—STRAWBERRIES

Results of a preliminary testing of herbicides in the control of sow thistle in strawberry plantations. O. F. Fateeva, R. G. Zharokova. Vest. sel'khoz nauki [Kazakh.] 7 no. 2:125-127 F '64.

KAZAKHSTAN—SUGAR BEETS

Biology of the germination of the seeds of sugar beet varieties. A. A. Almanliazov, T. M. Muratov Vest sel'khoz. nauki [Kazakh.] 7 no. 2:122-125 F '64.

KAZAKHSTAN—TECHNOLOGICAL INNOVATIONS—FINANCE

Efficiency of capital investments in technological innovations. I. Medvedchikov. Nar. khoz. Kazakh. 22 no. 3:54-56 Mr '64.

KAZAKHSTAN—TECHNOLOGY

The laboring class and technological progress in the process of the building of communism. M. S Azhenov. Vest AN Kazakh. SSR 19 no 5 17-24 My '63.

KAZAKHSTAN—THISTLE

Results of a preliminary testing of herbicides in the control of sow thistle in strawberry plantations. O. F. Fateeva, R. G. Zharokova. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:125-127 F '64.

KAZAKHSTAN—VOLBORTHITE

Volborthite from the Middle Cambrian vanadium-bearing schists of Kazakhstan E. A Ankinovich, T. L. Viloshina, I I. Gekht. Vest AN Kazakh. SSR 19 no 5 55-67 My '63

KAZAKHSTAN—WEED CONTROL

Results of a preliminary testing of herbicides in the control of sow thistle in strawberry plantations. O. F. Fateeva, R. G. Zharokova. Vest. sel'khoz nauki [Kazakh.] 7 no. 2:125-127 F '64.

Use of simazine in black currant plantations. G. S. Esipova. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:127-130 F '64.

KAZAKHSTAN—WOMEN—EMPLOYMENT

Woman in productive work. Nar. khoz. Kazakh. 22 no. 3:25 Mr '64.

KAZAN—CONCRETE—FINISHING

Exterior finishing of large-panel buildings. V. Sladkov, G. Nepogodin. Zhil. stroi. no. 5 23-24 '64.

KERAMZIT

Protas, L. E. [Production of wet process keramzit] Proizvodstvo keramzita s mokroi podgotovkoi syr'ia. Leningrad, 1964. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Stroitel'nye materialy)

KERATIN

Histochemical method of detecting keratin by using an acid solution of basic brown. M. G. Shubich. Arkh. anat., gist. i embr. 44 no. 6:114-116 Je '63.

KEROSINE

Combined arrangement for the use of thermal-cracking kerosine. A. P. Dronin and others. Khim. i tekh. topl. i masel 9 no. 6:18-24 Je '64.

Overalkalinity of kerosine-gas oil distillates. N. V. Shergilov and others. Khim. i tekh. topl. i masel 7 no. 10:36-41 O '62.

KETENE

Effect of the phase state of diketene on the chemical structure of macromolecules formed during its polymerization. E. S. Shreiner and others. Dokl. AN SSSR 156 no. 2:396-399 My '64.

KETONES

Condensation of aldehydes and ketones. Part II: Configuration of 4-R-2,3-cyclohexanobicyclo[3,3,1]-nonan-2-ol-9-ones. I. Pit'ga, M. N. Tilichenko, V. G. Kharchenko. Zhur. ob. khim 34 no. 6:1936-1938 Je '64.

Ketonizaton of primary alcohols V. A Komarov, P V Maslov. Vest LGU 19 no 10 137-138 '64

Preparation of isopropenyl aryl ketones by the Wittig reaction M I Shevchuk, A V Dombrovskii Zhur ob khim 34 no 5 1473-1477 My '64

Separation of hydroperoxides of propylidene- and n-butylidene acetones. I G. Tishchenko, L S Stanishevskii Zhur ob. khim 34 no. 5·1690 My '64

KETONES—THERMODYNAMICS

Thermodynamic properties of some aldehydes, ketones, and carboxylic acids. A. A. Antonov, P. G. Maslov. Zhur. fiz. khim. 38 no 3:600-605 Mr '64.

KHABAROVSK TERRITORY—GEOGRAPHY—BIBLIOGRAPHY

Geograficheskoe obshchestvo SSSR. Priamurskii (Khabarovskii) filial. [Khabarovsk Territory, the Far East; index of works of the Amur Branch of the Geographical Society of the U. S. S. R.] Khabarovskii krai, Dal'nii Vostok; ukazatel' trudov Priamurskogo filiala Geograficheskogo obshchestva SSSR, 1957-1961 g. Khabarovsk, 1962. 23 p.
[MICROFILM]

KHABAROVSK TERRITORY—GEOLOGICAL TIME

Age of siliceous igneous formations in the Koryak upland based on Radiolaria study data A I Zhamoida and others Trudy VSEGEI 81:75-103 '63.

KHABAROVSK TERRITORY—RADIOLARIA, FOSSIL

Age of siliceous igneous formations in the Koryak upland based on Radiolaria study data. A. I. Zhamoida and others. Trudy VSEGEI 81:75-103 '63.

KHARABALI (ASTRAKHAN PROVINCE)—STATE FARMS

Small state farm town in the steppes. M. Shulenin. Sel'. stroi. 18 no. 10.16-17 O '63.

KHARICHKOV, KONSTANTIN VASIL'EVICH, 1865-1921

Outstanding discovery (on the occasion of the 60th anniversary of the development by K. V. Kharichkov of the cold method for petroleum fractionation). A. Z. Dorogochinskii, M. N. Zhavoronkov. Khim. i tekh. topl. i masel 9 no. 3:71-72 Mr '64

KHARKOV—CLOTHING INDUSTRY

Improvements in the "Tinlakov Clothing Factory" in Kharkov. K. E. Evtushenko. Leh. prom. no. 2.52-53 Ap-Je '64.

KHARKOV—LANDSCAPE ARCHITECTURE

Landscaped areas of children's institutions. A. Salatich, A. Larkina. Stroi. i arkhit. 12 no 5:6-10 My '64

KHARKOV PROVINCE—CAMPS—DESIGN AND CONSTRUCTION

Interfarm Pioneers' camp. B. Kharchenko. Sil'. bud. 13 no. 3:12 Mr '63.

KHARKOV PROVINCE—PHARMACY—QUALITY CONTROL

Quality control of the production in the system of pharmacy administration. N. I. Bryleva, M. N. Litvinenko. Apt. delo 12 no. 2:15-18 Mr-Ap '63.

KHARKOV PROVINCE—RURAL CONSTRUCTION—MANAGEMENT

Qualified management of design and construction of villages V. Korzh Sil'. bud. 12 no. 12 17 D '62.

KHASAN DISTRICT—SHOREBIRDS

Feeding habits of some species of limicoline birds. E. N. Panov. Zool. zhur 43 no 1:89-97 '64.

KHASAN DISTRICT—TREMATODA

Teratologic modification of Metorchis pinquinicola Skrjabin, 1913. V. M. Alekseev. Zool. zhur. 42 no. 12:1871 '63.

KHAYDARKEN REGION (OSH PROVINCE)—PARABATHYNELLA

Occurrence of Bathynellacea (Crustacea, Syncarida) in Central Asia. IA. A. Birshtein, S. I. Levushkin Zool zhur. 43 no. 1:17-27 '64.

KHELLIN

New method for quantitative determination of khellin in anhydrous solvents. M. O Kazarinov, N. P. Dziuba. Farmatsev. zhur. 18 no. 4·39-43 '63

KHERSON PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Popular readings on communism. I. Roi. Komm. Ukr. 39 no 1:68-71 Ja '64.

KHERSON PROVINCE—FIELD CROPS

Depth and methods of plowing for field crops in the soils of Kherson Province. S. K. Onyshchuk, L. F. Kut'ko. Nauk. pratsi Nyzhn'odnipr. nauk.-dosl. sta. po zalis. pisk. i vyn. na pisk. no. 9:137-148 '61.

KHERSON PROVINCE—LIMA-BEAN POD BORER—EXTERMINATION

Lima-bean pod borer in the southern Ukraine. A. K. Rafal'skii. Zashch. rast. ot vred. i bol. 9 no. 6:16-17 '64.

KHERSON PROVINCE—PLOWING

Depths and methods of plowing for field crops in the soils of Kherson Province S K. Onyshchuk, L F Kut'ko Nauk pratsi Nyzhn'odnipr nauk -dosl sta. po zalis pisk i vyn na pisk no 9 137-148 '61

KHLEBNIKOV, NIKOLAI SERGEEVICH, 1907-1963

N S. Khlebnikov, obituary Radiotekh i elektron. 9 no. 6.1114-1115 Je '64.

KHMEL'NITSKIY PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

The training of specialists is a guarantee of success N Bubnovskyi Komm Ukr 39 no 1:31-37 Ja '64

KHOMUTOVSKAYA VIRGIN STEPPE PRESERVE—VEGETATION AND CLIMATE

Seasonal and annual changes in the plant cover of the Khomutovskaya Steppe, Donetsk Province. H O. Kuznetsova. Ukr. bot zhur. 21 no. 3:75-83 '64

KHROMTAU (AKTYUBINSK PROVINCE)—CHROMITE

In the "Don" chromite mines. P. Mikhailov. Nar. khoz. Kazakh. 22 no. 3 64-66 Mr '64.

KHUBSUGUL, LAKE—ALGAE

A new species of the genus Oocystis from Lake Khubsugul N. A Antypova. Ukr. bot. zhur. 21 no. 3:53-55 '64.

KIDNEYS

Cytochemical characteristics of the cells of different sections of the vertebrate nephron [with summary in English]. IU. V. Natochin. Arkh. anat., gist. i embr. 44 no. 6:67-74 Je '63.

KIDNEYS—BLOOD SUPPLY

Study of the hemodynamics of the kidneys in atherosclerosis of the cardiovascular system. N. L. Kikodze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:75-81 '63.

KIDNEYS—DISEASES

Prospects for the organization of health resort treatment of kidney diseases in Uzbekistan. M. I. Ketko. Sbor. trud Uz. gos. nauch -issl. inst. kur i fizioter. 17:40-50 '62

Some biochemical changes in chronic nephritis. Dzh. A. Gevorkian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:39-46 S '63.

Some histochemical changes in kidneys following acute experimental nephritis. N. I. Kalandadze. Soob AN Gruz. SSR 31 no. 2:439-445 Ag '63.

Some problems in immunology and immunomorphology of Masugi nephritis. V. V. Serov, L. M Khai Vest AMN SSSR 18 no 11 50-56 '63.

KIDNEYS—HYDATIDS

Echinococcosis of the kidneys and the retroperitoneal space T G Litvak, I T. Shmat'ko, A. M. Khubiev. Uch zap Stavr gos. med inst 8 94-110 '63

KIDNEYS—INNERVATION

Mechanism of the change in lymph circulation due to the stimulation of the receptors of the emunctory organs. Report No. 7. R. S. Vasil'chenko and others. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:16-24 '64

Morphological changes of the renal nerve plexus in nephrosclerosis. D. P. Sviatelin. Trudy SMI 15:172-179 '62.

KIEV—CHURCH ARCHITECTURE

Kresal'nyi, N. I. [The St. Sophia Shrine in Kiev; monument of 11th to 18th century architecture] Sofiiskii zapovednik v Kieve; pamiatnik arkhitektury XI-XVIII vv. 3., isp. izd. Kiev, Gosstroiizdat, 1964. 40 p. illus. (Pamiatniki arkhitektury Ukrainskoi SSR)

KIEV—GAS, NATURAL—PIPELINES

Improving the technical and economic indices in gas pipeline control in Kiev. V. S. Chernovol. Gaz. prom. 7 no. 12:35-38 '62.

KIEV—ILLUMINATION OF BOOKS AND MANUSCRIPTS

Kiev miniatures of 1397. P M. Zholtovs'kyi. Mat. z etn. ta mystetstvoznav. no. 125-143 '61.

KIEV—PSALTERS

Kiev miniatures of 1397. P. M Zholtovs'kyi. Mat. z etn. ta mystetstvoznav. no. 6:125-143 '61.

KIEV—TROLLEYBUSES—MAINTENANCE AND REPAIR

Modernization of the MTB-82 trolley bus. V. Seregin, V. Pigin, E Shklovskii. Zhil.-kom. khoz. 13 no. 9:25 S '63

KIEV PROVINCE—CLOTHING INDUSTRY

Selecting clothing in a wholesale depot A. Prokhorov. Sov torg 37 no. 5:27-28 My '64.

KIEV PROVINCE—SAVINGS BANKS

Tasks set by us will be carried out successfully. I. Brazhnik Den. i kred 22 no 7:46-51 Jl '64

KIEV REGION—SILK MANUFACTURE

Fabrics with new structures manufactured by the Darnitsa Silk Mills. N. S. Hrytsenko. Leh. prom. no. 2:15-16 Ap-Je '64.

Automatic control of kilns with walking floors for porcelain firing. V.M.Bondar, Z.P.Sen'. Leh.prom. no.2:66-68 Ap-Je '64.

KILNS—FIRES AND FIRE PREVENTION

Fire hazards of flax drying kilns. K.A.Smirnov Sbor. rab.pozh -ispyt sta no 3 70-75 '63.

KINDERGARTENS

Architectural and layout features. N. M. Nazar'in Stroi.i arkhit.Len. 26 no.4:6-10 Ap '64.

Smirnova, E.T. [Sanitation problems in designing standard preschool institutions] Gigienicheskie voprosy v proektirovanii edinykh doshkol'nykh uchrezhdenii. Moskva, Meditsina, 1964. 173 p. (Biblioteka sanitarnogo vracha)

KINEMATICS

Kinematic interpretation of the motion of a body with one fixed point. P.V.Kharlamov. Prikl.mat.i mekh. 28 no.3:502-507 My-Je '64.

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KINGISEPP, VIKTOR EDUARDOVICH, 1888-1922

Rudnev, D.M. [Viktor Eduardovich Kingisepp; a biographical essay] Viktor Eduardovich Kingisepp, biograficheskii ocherk. [Leningrad] Lenizdat, 1962. 159 p.
(MdBJ)

KINGLETS (BIRDS) see subdivision under Moscow Province

KIRGHIZ

(see also subdivision under Minusinsk Basin)

Some evidence on the economic life of the Kirghiz in the Arab and Persian sources from the 9th to the 12th century. O.Karaev. Izv.AN Kir.SSR.Ser.obshchestv. nauk 5 no.3:77-81 '63.

KIRGHIZISTAN—AGRICULTURISTS

Is this the work for a specialist? V.Savzdarg. Zashch. rast.ot vred.i bol. 9 no.6:12 '64.

KIRGHIZISTAN—BIRD LICE

Biology of the bird louse Menacanthus stramineus (Nitzsch) parasitic on gallinaceous birds. R.V. Grebeniuk, S.K.Kasiev. Izv.AN Kir.SSR.Ser.biol. nauk 6 no.2:59-69 '64.

KIRGHIZISTAN—BRUCELLOSIS IN CATTLE

Q rickettsiosis of sheep in Kirghizistan and the analysis of a complex method of diagnosing Q rickettsiosis and brucellosis by the complement fixation reaction. A.F. Timofeev. Izv.AN Kir.SSR.Ser.biol.nauk 6 no.2:17-29 '64.

KIRGHIZISTAN—COLLECTIVE FARMS

Participation of the "twenty-five thousand" in the establishment of the collective farms in Kirghizistan. T.Duishemaliev. Izv.AN Kir.SSR.Ser.obshchestv. nauk 5 no.3:35-41 '63.

Some problems from the history of the "Interhelpo". In connection with P. Pollak's book "The international assistance of the Czechoslovak proletariat to the peoples of the U.S.S.R." V.P.Sherstobitov. Izv.AN Kir.SSR.Ser.obshchestv.nauk 5 no.3:55-64 '63.

KIRGHIZISTAN—CRIMINAL LAW

Kirghiz S.S.R. Laws, statutes, etc. [Criminal Code of the Kirghiz S.S.R.] Ugolovnyi kodeks Kirgizskoi SSR. Izd.2., s izmeneniiami i dopolneniiami, vnesennymi po ianvar' 1964 g. Frunze, 1964. 343 p. [In Kirghiz and Russian]

KIRGHIZISTAN—ENTOMOLOGICAL SOCIETIES

Work of the Kirghiz branch of the All-Union Entomological Society. Sbor.ent.rab. no.2:101-104 '62.

KIRGHIZISTAN—HISTORY

Historical significance of Kirghizia's voluntary decision to become a part of Russia. K.Orozaliev. Izv.AN Kir.SSR.Ser.obshchestv.nauk 5 no.3:5-12 '63.

KIRGHIZISTAN—HISTORY—BIBLIOGRAPHY

Books on the great brotherhood of peoples. M.A. Semichaevskii. Ist.SSSR 8 no.1:167-169 Ja-F '64.

KIRGHIZISTAN—INSECT TRAPS

Testing various types of insect nets. V.F.Palii, V.I. Gaivoronskaia. Sbor.ent.rab. no.2:92-99 '62.

KIRGHIZISTAN—INSECTS, INJURIOUS AND BENEFICIAL

Ectoparasites in the nests of synanthropic birds. S.K. Sartbaev, L.F.Romasheva. Izv.AN Kir.SSR.Ser. biol.nauk 6 no.2:49-57 '64.

Study of willow pests in Kirghizia. Report No.2. K.Ibraimova. Sbor.ent.rab. no.2:63-67 '62.

KIRGHIZISTAN—LAND TENURE

Settlement of the nomad and seminomad population of the Pishpek and Przheval'sk Districts during the period of the land and water reform from 1921 to 1922. B.Baibulatov. Izv.AN Kir.SSR.Ser.obshchestv.nauk 5 no.3:49-53 '63.

KIRGHIZISTAN—LEAF BEETLES

Presowing treatment of sugar-beet seeds as a control measure against Chaetocnema (Chrysomelidae). F.I Markov. Sbor.ent.rab. no.2 68-80 '62.

KIRGHIZISTAN—PARASITES—BIRDS

Ectoparasites in the nests of synanthropic birds. S.K. Sartbaev, L.F.Romasheva Izv.AN Kir SSR.Ser. biol.nauk 6 no.2:49-57 '64

KIRGHIZISTAN—PARASITES—GALLINAE

Biology of the bird louse Menacanthus stramineus (Nitzsch) parasitic on gallinaceous birds. R.V. Grebeniuk, S.K.Kasiev. Izv AN Kir.SSR.Ser.biol. nauk 6 no.2:59-69 '64.

KIRGHIZISTAN—PARASITES—POULTRY

Nicochlorane in the control of ectoparasites of domestic birds. L.F.Romasheva, S.K Sartbaev, S.K.Kasiev. Izv.AN Kir.SSR.Ser.biol.nauk 6 no 2:71-75 '64.

KIRGHIZISTAN—PLAGUE

Some factors of geographical distribution of elementary foci and microfoci of plague in Kirghizistan B.M Aizin. Izv.AN Kir SSR.Ser.biol nauk 6 no.2:31-38 '64.

KIRGHIZISTAN—POLITICS AND GOVERNMENT

Establishment and activity of the soviets of Kirghizistan in 1918. M.T.Kabel'kova. Izv.AN Kir.SSR.Ser. obshchestv.nauk 5 no.3.13-33 '63.

KIRGHIZISTAN—PUBLIC HEALTH

Development of public health in Kirghizia from 1918 to 1930. S.S.Daniiarov. Izv.AN Kir.SSR.Ser obshchestv. nauk 5 no.3:43-48 '63.

KIRGHIZISTAN—Q FEVER

Q rickettsiosis of sheep in Kirghizistan and the analysis of a complex method of diagnosing Q rickettsiosis and brucellosis by the complement fixation reaction. A.F. Timofeev. Izv.AN Kir.SSR.Ser.biol.nauk 6 no.2:17-29 '64.

KIRGHIZISTAN—REVOLUTION, 1917-1921

Establishment and activity of the soviets of Kirghizistan in 1918. M.T.Kabel'kova. Izv.AN Kir.SSR.Ser. obshchestv.nauk 5 no.3:13-33 '63.

KIRGHIZISTAN—SCARABAEIDAE

A new species of the genus Onthophagus Latr.(Coleoptera, Scarabaeidae) from Kirghizia. A.I.Protsenko. Sbor. ent.rab. no.2:16-19 '62.

KIRGHIZISTAN—SLOVAKS

Some problems from the history of the "Interhelop"; in connection with P. Pollak's book "The international assistance of the Czechoslovak proletariat to the peoples of the U.S.S.R." V.P.Sherstobitov. Izv.AN Kir.SSR.Ser.obshchestv.nauk 5 no.3·55-64 '63.

KIRGHIZISTAN—SUGAR BEETS—DISEASES AND PESTS

Presowing treatment of sugar-beet seeds as a control measure against Chaetocnema (Chrysomelidae). F.I. Markov. Sbor.ent.rab. no.2:68-80 '62.

KIRGHIZISTAN—WILLOWS—DISEASES AND PESTS

Study of willow pests in Kirghizia. Report No.2. K.Ibraimova. Sbor.ent.rab. no.2:63-67 '62.

KIRGHIZISTAN—WORMS, INTESTINAL AND PARASITIC—HOST ANIMALS

A short report on mollusks as intermediate hosts of helminths of water birds. N.T.Chibichenko Izv. AN Kir.SSR.Ser.biol.nauk 6 no.2:83-85 '64.

KIROV—LIBRARIES

Kirov. Kirovskaia oblastnaia biblioteka imeni Gertsena. [Kirov Province Library, 1837-1962; guidebook] Kirovskaia oblastnaia biblioteka im. A.I.Gertsena, 1837-1962; putevoditel'. Kirov, [Kirovskoe knizhnoe izd-vo] 1962. 65 p.
(MH)

KIROV PROVINCE—BIRDS

Main features of the effect of concentrated felling on birds of the European southern taiga forests. E.I. Korenberg. Zool.zhur. 43 no.5:736-743 '64.

KIROV PROVINCE—CUTWORMS—BIOLOGICAL CONTROL

Trichogramma against the cutworm Agrotus segetum. K.V.Kamenkova. Zashch.rast.ot vred.i bol. 9 no.6:16 '64.

KIROV PROVINCE—EDUCATION, COOPERATIVE

Industrial training brigades at the enterprises. IU Golovnin. Nar.obr. no 7·51-53 Jl '64.

KIROV PROVINCE—FOREST ECOLOGY

Main features of the effect of concentrated felling on birds of the European southern taiga forests. E.I. Korenberg. Zool.zhur. 43 no.5:735-743 '64.

KIROV PROVINCE—INDUSTRIAL MANAGEMENT

Araslanov, K.M. [Ways to improve the use of capital assets; based on the materials of an analysis of the industry of Kirov Province] Puti uluchsheniia ispol'zovaniia osnovnykh fondov (na materialakh analiza promyshlennosti Kirovskoi oblast). [Kirovsk] Kirovskoe knizhnoe izd-vo, 1963. 150 p.

KIROV REGION—NECROSIS, BACILLARY

Study of the sources of necrobacillary infection in nature. A.A.Volkova, R.S.Galiev. Izv.AN Kir.SSR.Ser.biol. nauk 6 no.2:5-15 '64.

KIROVOGRAD PROVINCE—BRICK INDUSTRY

The factory has been in operation one year V.Ivashkin. Sil' bud 12 no.12 12 D '62

KIROVOGRAD PROVINCE—SAVINGS BANKS

Work and live in the communist way. G Denisenko. Den i kred 22 no 7·51-54 Jl '64.

KISHINEV—LANDSLIDES

Landslides in the Malaya Malina Ravine in Kishinev. S.S.Orlov. Izv.Mold.fil.AN SSSR no.6:16-23 '61.

KISHINEV REGION—CLAY

Lithology of clays of the Gulbochikhi deposit in the Moldavian S.S.R. A.I.Simonov, M.I.Zheru. Izv. Mold.fil.AN SSSR no.6:47-68 '61.

KIZILKUM see Kyzylkum

KLYKOV, NIKOLAI PROKOF'EVICH, 1861-

Koromyslov, B.I. [Klykov's boxes] Shkatulki Klykova. [Moskva] Gosmestpromizdat, 1962. 19 p. plates (O masterakh i masterstva)
(MH)

KNEE

Depressed knee reflexes in acute myocardial infarct. A G TSerefman Zhur nevr.i psikh. 64 no 5.670-674 '64.

KNEE—RADIOGRAPHY

Importance of pneumoarthrography in the diagnosis of internal injuries of the knee joint. B.I.Simenach. Vest.rent.i rad. 38 no.3 27-35 My-Je '63

KNEE—SURGERY

Restoration of the knee joint bursa following experimental synovectomy. I.Suleimanov. Ortop., travm i protez 24 no.12:41-47 D '63.

KNEE—WOUNDS AND INJURIES

Approach to the knee joint in the excision of a torn meniscus. A.P.Evstropov Ortop., travm.i protez 24 no.12:33-36 D '63

Importance of pneumoarthrography in the diagnosis of internal injuries of the knee joint. B.I.Simenach. Vest.rent.i rad. 38 no.3:27-35 My-Je '63.

KNIPOVICH, NIKOLAI MIKHAILOVICH, 1862-1939

Founder of hydrological exploration of the Barents Sea. M.M.Adrov. Nauch.-tekh.biul.PINRO no.2/3 8-10 '62.

Founder of marine fishery research. I.G.IUdanov Nauch -tekh.biul.PINRO no.2/3·6-7 '62.

KNIT GOODS—DRYING

Single-sheet calender. S.F.Babak. Leh.prom. no.2: 46-47 Ap-Je '64.

KNIT GOODS INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Kazakhstan

KNITTING MACHINES

Attachment for the winding of knocked-off yarn on flat-pearl knitting machines. Z.L.Kirzhner. Leh. prom. no.2:46 Ap-Je '64.

Electromagnetic index pin of the guide of cotton machines. IU.I.Sannikov. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:132-137 '63.

Manufacture of outerwear knit goods with openwork pattern on the "Cotton" knitting machines. N.IA. Nosovits'ka, R.IA.Sakharna, V.D.Khudin. Leh.prom. no.2:17-19 Ap-Je '64.

Use of Cotton knitting machines for the manufacture of cotton mercerized and plated hosiery with unlooped round heel. H.D.Gol'denberg. Leh.prom. no.2:43-44 Ap-Je '64.

KNOWLEDGE, SOCIOLOGY OF

Criticism of the idealistic concept of ideology in the "sociology of knowledge." L.E.Khoruts. Nauch.dokl. vys.shkoly; filos.nauki 7 no.2:62-69 '64.

KNOWLEDGE, THEORY OF

Filatova, A.N. [Some aspects of the theory of concepts; in connection with the penetration of the ideas of development into biology] Nekotorye voprosy teorii poniatiia; v sviazi s proniknoveniem idei razvitiia v biologiiu. Moskva, "Vysshaia shkola," 1962. 109 p. (Materialy k lektsiiam po filosofii)
(RPB)

KOBYSTAN—PETROLEUM GEOLOGY

Lithologic composition and reservoir properties of the sandy silt of the producing formation of southeastern Kobystan and the Alyaty Upland. S.S. Adzhalova, Z.A. Kerimova. Azerb.neft.khoz. 43 no.1:9-11 Ja '64.

KOKCHETAV—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

[illegible] Mr '64.

KOKCHETAV PROVINCE—RURAL PLANNING

Agricultural zoning of a region based on the yield over a long period of time. A. S. Troianov. Trudy TSel. sel'-khoz inst 1:183-191 '63

KOLCHAK, ALEKSANDR VASIL'EVICH, 1873-1920

A nonserious approach to a serious topic. V. S. Poznanskii. Izv. SO AN SSSR no. 9. Ser obshchestv. nauk no 3: 80-82 '63.

KOLKHIDA see Colchis

KOLOMNA—MACHINE-TOOL INDUSTRY

Deeds and plans of machine-tool plant workers in Kolomna. S I. Passman. Mashinostroitel' no. 5:2-3 My '64.

KOLOMNA—MILITARY EDUCATION

The Kolomna Artillery School is 45 years old. S. IAskevich, N. Martynchuk. Voen.-ist zhur. 5 no. 7:123-124 Jl '63.

KOLVA VALLEY (PERM PROVINCE)—SEA LILIES, FOSSIL

Five thousand calyces of fossil sea lilies IU A Arendt. Priroda 53 no. 7:111-113 '64

KOLYMA BASIN—VERTEBRATES, FOSSIL

Irin-Ithi burial of the fauna of vertebrates. A. I. Sadovskii. Zap. Chuk. kraeved. muz. no. 2:59-62 '61.

KOLYVAN' REGION (NOVOSIBIRSK PROVINCE)—PASTURES AND MEADOWS

Variability of meadow vegetation in the Kolyvan' area of the Ob' floodplain during a period of several years. E. F. Pen'kovskaia. Trudy TSSBS no. 6:264-277 '63.

KOMI A.S.S.R.—GAS, NATURAL—SEPARATION

Principles of the gathering and separation of natural gas in the fields of the Komi A. S. S. R. G. R. Reitenbakh. Gaz. delo no. 5:10-11 '64.

KOMI A.S.S.R.—GAS, NATURAL—TRANSPORTATION

Principles of the gathering and separation of natural gas in the fields of the Komi A. S. S. R. G. R. Reitenbakh. Gaz. delo no. 5:10-11 '64.

KOMISSARZHEVSKAIA, VERA FEDOROVNA, 1864-1910

Nosova, V. V. Komissarzhevskaia. [Moskva] Molodaia gvardiia, 1964. 333 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 7(382))

KONOVALOV FAMILY

The Konovalov family. Nikolai Lanin. Sov. voin 46 no. 13 30-36 Jl '64.

KOPETDAG—ROCKS, SEDIMENTARY

Types of Apt and Alba rocks of the western Kopetdag and their petrographic characteristics. V. L. Librovich. Trudy VSEGEI 109:211-233 '63.

KOREA—HISTORY

Shipaev, V. I. [Colonial enslavement of Korea by Japanese imperialism, 1895-1917] Kolonial'noe zakabalenie Korei iaponskim imperializmom (1895-1917). Moskva, Izd-vo "Nauka," 1964. 240 p.

KOREA, SOUTH—FOREIGN RELATIONS—UNITED STATES

Akademiia nauk SSSR. Institut narodov Azii. [U. S. A. policy in the countries of the Far East; Japan, South Korea] Politika SShA v stranakh Dal'nego Vostoka; IAponiia, IUzhnaia Koreia. Moskva, Izd-vo "Nauka," 1964. 324 p.

KOSTROMA PROVINCE—LUMBERING—FINANCE

The most important condition for the profitability of lumbering enterprises. N. Kokarev. Plan khoz 41 no. 7:88-89 Jl '64

KOTUR-TEPE OIL WELL—BITS (DRILLING AND BORING)

Using triple blade jet bits in electric drilling. D. Kadyrov. Trudy Turk. fil. VNII no. 6:104-109 '63.

KOTUR-TEPE OIL WELL—OIL WELL DRILLING, ELECTRIC

Using triple blade jet bits in electric drilling. D. Kadyrov. Trudy Turk. fil. VNII no. 6:104-109 '63.

KOZHEVNIKOVO DISTRICT—POLIOMYELITIS

Clinical and epidemiological observations of the poliomyelitis outbreak in Kozhevnikovo District, Tomsk Province, in 1957. Z. M. Zemliakova, A. F. IAstrebov. Trudy TomNIIVS 14:49-53 '63.

KOZLOWSKI, ROMAN, 1889-

Professor Roman Kozlowski; on his 75th birthday. B. S. Sokolov. Paleont. zhur. no. 2:3-10 '64.

KRAKOVSKII, VLADIMIR

Overcoming banality. M. Roshchin. Nov. mir 39 no. 10: 254-257 O '63.

KRASNODAR—GAS, NATURAL—PIPELINES

Protection of city gas pipelines in the city of Krasnodar from electrochemical corrosion. P. L. Lebedev. Zashch. trub. ot kor. no. 5:3-12 '62.

KRASNODAR—PIPELINES—CATHODIC PROTECTION

Protection of city gas pipelines in the city of Krasnodar from electrochemical corrosion P L. Lebedev Zashch trub ot kor no 5 3-12 '62

KRASNODAR TERRITORY—COMMUNITY AND SCHOOL

Cooperation in educational work. A Romanenko. Nar obr. no 6 37-42 Je '64

KRASNODAR TERRITORY—FRUIT—DISEASES AND PESTS

Controlling fruit sawflies. V. P. Danilov. Zashch. rast. ot vred. i bol. 9 no. 6:9-10 '64.

KRASNODAR TERRITORY—HEALTH RESORTS, WATERING PLACES, ETC.

Krasnodar. Kubanskii gosudarstvennyi meditsinskii institut. [Climato- and balneotherapy and problems of hygiene at the health resorts of Krasnodar Territory] Klimato-bal'neoterapiia i voprosy gigieny na kurortakh Krasnodarskogo kraia. Krasnodar, Izd-vo "Sovetskaia Kuban'," 1961. 180 p.
(DNLM)

KRASNODAR TERRITORY—INSURANCE, AGRICULTURAL

State insurance should aid the intensification of agriculture. I. Miroshnikov. Fin. SSSR 38 no. 7:45-49 Jl '64.

KRASNODAR TERRITORY—MARINE FOULING

Settlement of the larvae of fouling organisms and marine borers (Teredenidae) in the Gelendzhik and Novorossiysk regions. T. A. Petukhova. Trudy Inst. okean. 70:151-156 '63.

KRASNODAR TERRITORY—POULTRY INDUSTRY—FINANCE

Potentials of poultry-breeding state farms. I. IAremenko. Fin. SSSR 38 no. 7:59-61 Jl '64.

KRASNODAR TERRITORY—SAWFLIES—EXTERMINATION

Controlling fruit sawflies. V. P. Danilov. Zashch. rast. ot vred. i bol. 9 no. 6:9-10 '64.

KRASNODAR TERRITORY—TEA—VARIETIES

Zaitsev, I. L. [Krasnodar tea] Krasnodarskii chai. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 38 p.
(DNAL)

KRASNOKAMSK (PERM PROVINCE)—OIL WELL SHOOTING

Use of torpedo from detonating blast hole for cleaning oil-well filters. M. I. Popova, V. A. Zverev. Nefteprom. delo no. 2:17 '63.

KRASNOVODSK GULF—POLYCHAETA

Mass development of the polychaete Mercierella enigmatica Fauvelin Krasnovodsk Gulf. Trudy Inst. okean. 70:26-28 '63.

KRASNOVODSK PENINSULA—GEOLOGY, STRATIGRAPHIC

Lower Cretaceous sediments of the Karshi region (Krasnovodsk Peninsula). V. I. Semkiv. Trudy Turk. fil. VNII no. 6:34-37 '63.

KRASNOVODSK PENINSULA—ROCKS, SEDIMENTARY

Conditions of the formation of the Oxford red beds of the Krasnovodsk Peninsula. Z. E. Baranova. Trudy VSEGEI 109:207-210 '63.

KRASNOYARSK TERRITORY—BANKS AND BANKING

Preparing the payment and receiving plan. A. Voilukov. Den. i kred. 22 no. 6:48-51 Je '64.

KRASNOYARSK TERRITORY—CHEMICAL INDUSTRIES—FINANCE

Use potentials more fully M. Breido. Den. i kred. 22 no. 7:27-30 Jl '64.

KRASTELEV, M. A.

Courage conquers. V. Abolentseva. Tekh. i vooruzh. no. 6:14-15 Je '64

KRETSCHMER, ERNST, 1888-1964

Ernst Kretschmer, an obituary. Zhur. nevr. i psikh. 64 no. 5:798-799 '64.

KRIVIN, FELIKS DAVIDOVICH

Lessons of the "pocket school." B. IArantsev. Nov. mir' 39 no. 10:257-258 O '63.

KRIVOY ROG—ATMOSPHERIC TURBULENCE

[illegible]

KRIVOY ROG BASIN—BORING MACHINERY—TESTING

[illegible]

KRIVOY ROG BASIN—FLOTATION

[illegible]

KRIVOY ROG BASIN—HISTORY

Borshchevskii, V. IA. [The laboring class and the soviets of the Donets-Krivoy Rog Basin in the October Revolution] Rabochii klass i Sovety Donetsko-Krivorozhskogo basseina v Oktiabr'skoi revoliutsii. Dnepropetrovsk, 1962. 2 v.
(MH)

KRIVOY ROG BASIN—IRON MINES AND MINING

Industrial geometrization of the qualitative indices of the Krivoy Rog Basin iron ore deposits containing lean magnetite ores. K. P. Nikolaev-Dembinskii. Izv. vys. ucheb. zav., gor. zhur. 7 no. 4:61-72 '64.

KRIVOY ROG BASIN—MINE TIMBERING

Mechanized erection of concrete supports in the Krivoy Rog Basin. E. M. Lisitsa, A. G. Gorelykh, D. P. Trofimov Shakht. stroi. 7 no 11 19-22 N '63.

KRIVOY ROG BASIN—MINE VENTILATION

Analysis of leakage and inleakage of air in "Dzerzhinskrud" Trust mines I B Oshmianskii, P. IA Boginskii Sbor nauch trud KGRI no 21 141-148 '63.

KRIVOY ROG BASIN—MINING GEOLOGY

Petrography of the arkose series in the Krivoy Rog Basin. N M. Akimenko, E V Dmitriev Sbor nauch. trud KGRI no. 21 21-24 '63.

KRIVOY ROG BASIN—ROCKS, CARBONATE

Conditions of the formation of carbonate rocks of the upper Krivoy Rog Basin series V. G. Makhlaev Sbor nauch. trud KGRI no 21:5-8 '63.

KRIVOY ROG BASIN—ROCKS, CRYSTALLINE AND METAMORPHIC

Prospecting and interpretation of certain relict structures in metamorphic rocks of the Krivoy Rog Basin. V F Petrun' Sbor nauch trud KGRI no 21 9-14 '63.

KRIVOY ROG BASIN—ROCKS, SEDIMENTARY

Northern boundary of the distribution of Maeotic sediments in the Krivoy Rog iron ore basin. I. I. Osetrov. Sbor nauch. trud. KGRI no. 21 6-9 '63

KRIVOY ROG BASIN—SHAFT SINKING

Reinforcing and reconditioning the old shaft lining of the "Komintern" Mine. M. K. Truman, A. S. Es'kov, A. IA. Torgovitskii. Shakht. stroi. 7 no. 11:22-24 N '63.

KRIVOY ROG BASIN—SOIL ABSORPTION

Some technical means of controlling catastrophic absorption of flush muds in boreholes in the Krivoy Rog Basin V A. IAroshenko, S. Kh Golubev. Sbor. nauch. trud. KGRI no 21 92-101 '63.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

Exhibition dedicated to the 95th anniversary of N. K. Krupskaia' birthday E. Solov'eva. Nar. obr. no. 7:85-86 Jl '64.

A recently discovered letter written by N. K. Krupskaia. V. D. Karchamnik. Izv. SO AN SSSR no. 9. Ser. obshchestv. nauk no. 3:70-71 '63.

KSANI VALLEY—TERRACES (GEOLOGY)

Stratigraphic and paleogeographic interpretation of some characteristics of the structure of the terraces of the Ksani and Aragvi Rivers L. I Maruashvili. Soob. AN Gruz SSR 31 no. 3:613-618 S '63

KUBAN—BIBLIOGRAPHY

Krasnodar. Krasnodarskaia kraevaia biblioteka. [Books about the Kuban published in the second half of 1962; bibliography] Knigi o Kubani za 1962 god (vtoroe polugodie); bibliograficheskii ukazatel'. Krasnodar, 1963. 66 p.

KUBAN—FOREST INFLUENCES

Water conditions of soils under forest belts in the steppes of Ciscaucasia. A. M. Alpat'ev, L. A. Kuznetsova. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:27-32 '63.

KUBAN—GAS, NATURAL—GEOLOGY

Prospecting for oil and gas in the Maikop sediments of the eastern Kuban. S. I. Gorlov, A. I. D'iakonov. Neftegaz. geol. i geofiz. no. 11:6-8 '63.

KUBAN—PETROLEUM GEOLOGY

Prospecting for oil and gas in the Maikop sediments of the eastern Kuban. S. I. Gorlov, A. I. D'iakonov, Neftegaz. geol. i geofiz. no. 11:6-8 '63.

KUBAN—SOIL MOISTURE

Water conditions of soils under forest belts in the steppes of Ciscaucasia. A. M. Alpat'ev, L. A. Kuznetsova. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:27-32 '63.

KUBAN—SORGHUM

First sorgo hybrids developed at the Kuban Experiment Station. B. N. Malinovskii. Agrobiologiia no. 3:426-431 My-Je '64.

KUBAN—WINDBREAKS, SHELTERBELTS, ETC.

Water conditions of soils under forest belts in the steppes of Ciscaucasia. A. M. Alpat'ev, L. A. Kuznetsova. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:27-32 '63.

[illegible]—DARKLING BEETLES

[illegible] darkling beetles (Cole- [illegible] a description [illegible] 43 no 1 [illegible]

[illegible], OLEKSANDR IVANOVYCH, 1914-

[illegible] Avtomatyka 9 [illegible]

[illegible], 1761-1812

[illegible] Voen- [illegible]

[illegible]—FIELD CROPS—IRRIGATION

[illegible] rates for main farm crops [illegible] of irrigated plants in [illegible] steppe [illegible] Izv SO, otd AN [illegible]

[illegible] STEPPE—PASTURES AND MEADOWS

[illegible] and their origin. [illegible] 163-182 '63.

[illegible]MA VALLEY—LOCUST (TREE)

[illegible] Tsech-Koma and lower Dnieper [illegible] pratsi Ukrzhnodnipr [illegible] no 9 43- [illegible]

KUMDAG OIL FIELD—OIL RESERVOIR ENGINEERING

[illegible] of reservoir pressure in [illegible] A. Gil'reyaddin. Trudy Turk [illegible]

KUNGUR (PERM PROVINCE)—BOTANY

[illegible] of the land above the Kungur [illegible] Okhr. prir. na Urale no 2: [illegible]

KUNGUR (PERM PROVINCE)—MUSKRATS

[illegible] of Kungur. V.S. [illegible] Okhr. prir. na Urale no.2 121-122 '61.

KURA-ARAKS LOWLAND see Kura-Aras Lowland

KURA-ARAS LOWLAND—GEOMORPHOLOGY

[illegible] expressions of the Upper [illegible] valleys of the rivers of the Kura- [illegible] V. I. Trotsiuk. Neftegaz. geol. i geo- [illegible]

KURA-ARAS LOWLAND—PETROLEUM GEOLOGY

[illegible] expressions of the Upper [illegible] in valleys of the rivers of the Kura- [illegible] V. I. Trotsiuk. Neftegaz. geol. i geo- [illegible]

KURGAN PROVINCE—AGRICULTURE—STUDY AND TEACHING

[illegible] of a province. A. Sazonov [illegible] Jl '64

KURSK—COMMUNITY LIFE

Where are you going, little girl?" K. Vasil'chenko. Sem'ia i shkola 19 no 5:14-15 My '64.

KURSK, BATTLE OF, 1943

Army commanders tell their stories. Voen.-ist. zhur 5 no 7 52-83 Jl '63

Flank attack of the 11th Guards Army. I. Bagramian. Voen.-ist. zhur. 5 no 7 83-95 Jl '63

[In the fire of the Battle of Kursk; from the recollections of the participants] V ogne kurskoi bitvy; iz vospominanii uchastnikov boev. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 389 p.
(NIC)

Military and historical literature on the Battle of Kursk. G Koltunov. Voen.-ist. zhur. 5 no 7:96-106 Jl '63

One of the most important events of the Great Patriotic War. I. Bagramian. Komm. Vooruzh. Sil 3 no. 13:26-35 Jl '63.

Sixteenth Air Force in the Battle of Kursk. S. Rudenko, P. Braiko. Voen.-ist. zhur. 5 no 7 21-32 Jl '63.

Soviet military art in the Battle of Kursk. M. Zakharov. Voen.-ist. zhur. 5 no. 7 11-20 Jl '63.

KURSK MAGNETIC ANOMALY—CHLORITES

Mineralogy of supergene chlorites from shales of the Yakovlevo deposit in the Kursk Magnetic Anomaly. V N Makarov, D N Kondrat'eva, V I. Taranets. Sbor nauch trud KGRI no 21 39-47 '63

KURSK MAGNETIC ANOMALY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Jurassic sediments in the Kursk Magnetic Anomaly. V. N. Efimova. Trudy VSEGEI 91:131-141 '63.

Stratigraphy of the iron ore complex in the Yakovlevo deposit. L. I Martynenko and others. Sbor nauch. trud KGRI no 21 24-29 '63

KURSK MAGNETIC ANOMALY—IRON ORES—TESTING

Mineralogy of oolite iron ores of the Yakovlevo deposit in the Kursk Magnetic Anomaly. V N Makarov. Sbor. nauch trud KGRI no 21 52-57 '63.

KURSK MAGNETIC ANOMALY—JASPILITE—ANALYSIS

Chemical composition of jaspilites of the Yakovlevo deposit in the Kursk Magnetic Anomaly. M N Kuznetsova. Sbor. nauch trud KGRI no 21 36-39 '63

KURSK MAGNETIC ANOMALY—MINES AND MINERAL RESOURCES

Association of minerals in the group of iron oxides in rocks and ores of the Yakovlevo deposit in the Kursk Magnetic Anomaly. L. I Martynenko and others. Sbor nauch trud KGRI no 21 29-36 '63

Stratigraphy of the iron ore complex in the Yakovlevo deposit. L I Martynenko and others. Sbor nauch trud KGRI no 21 24-29 '63

KURSK MAGNETIC ANOMALY—ORES—TESTING

Study of the physical and mechanical properties of ores of the Yakovlevo deposit in the Kursk Magnetic Anomaly. V N Makarov, D S Domarev. Sbor nauch. trud. KGRI no 21 47-52 '63

KURSK MAGNETIC ANOMALY—PETROLOGY

Petrographic and mineralogic characteristics of Jurassic sediments in the Kursk Magnetic Anomaly. A. A. Lileeva. Trudy VSEGEI 91:143-151 '63.

KURSK PROVINCE—AGRICULTURAL WAGES

Output schedule in the piecework-bonus wage system. I. Kriachkov. Ekon. sel'khoz. 35 no 1:104-106 Ja '64.

KURSK PROVINCE—HISTORY

New textbook on literary geography. P Lebedev. Nar obr no 6 115-116 Je '64

KURSK PROVINCE—PUBLIC HEALTH

Review of M.A IAzvin's book "From the recent past." B.D. Petrov. Zdrav. Ros. Feder 8 no.5:44 My '64.

KUSTANAY PROVINCE—MINING MACHINERY—MAINTENANCE AND REPAIR

The lack of agreement and coordination. V. Trofimov. Nar. khoz. Kazakh. 22 no. 3,22-23 Mr '64.

KUTAISI REGION—PETROLOGY

Basic veins of the ravine of the Tskhaltsitela River in the surroundings of Kutaisi and alteration processes connected with them. V I Gugushvili. Soob. AN Gruz SSR 31 no 3 619-626 S '63

KUYAL'NITSKIY SPIT

Physicogeographical characteristics of the Kuyal'nitskiy Spit. V. V. Kovalevs'kyi. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:121-125 '60.

KUYBYSHEV—HAIRDRESSING

Again about the hairdressing business. V. Peisakhov. Zhil.-kom khoz 13 no 10 26 O '63

KUYBYSHEV—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Continuous production of bits in the Kuybyshev Bit Plant. M. S. Zlotnikov. Mash. i neft. obor. no. 11:37-38 '63.

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY

Dependence of detailed work in seismic prospecting by the method of reflected waves on the density of the profile networks under conditions of the southern part of Kuybyshev Province. V. V. Koriagin. Geofiz. razv. no 15:34-40 '64.

KUYBYSHEV PROVINCE—SEISMIC PROSPECTING

Dependence of detailed work in seismic prospecting by the method of reflected waves on the density of the profile networks under conditions of the southern part of Kuybyshev Province. V. V. Koriagin. Geofiz. razv. no 15:34-40 '64.

Seismic prospecting of sloping platform structures under conditions in the trans-Volga portion of Kuybyshev Province. V. A. Redkolis, V. I. Rikhter. Razved. i prom. geofiz. no. 49:20-31 '63.

KUYBYSHEV RESERVOIR—FISHES—FOOD

Characteristics of the feeding habits of benthophagous fishes in the first years after the construction of Kuybyshev Reservoir. O. P. Platonova. Zool. zhur. 43 no. 5:706-712 '64.

KUYBYSHEV RESERVOIR—GEOCHEMISTRY

Nauchno-tekhnicheskoe soveshchanie po izucheniiu Kuibyshevskogo vodokhranilishcha. 1st, Stavropol'-on-Volga, 1962. [Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.

No. 3. Dziuban, N. A., ed. [Hydrogeology, ichthyology, and hydrochemistry] Gidroologii, ikhtiologiia i gidrokhimiia. 1963. 135 p.
[MICROFILM]

KUYBYSHEV RESERVOIR—HYDROLOGY

Nauchno-tekhnicheskoe soveshchanie po izucheniiu Kuibyshevskogo vodokhranilishcha. 1st. Stavropol'-on-Volga, 1962. [Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol'-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.

No. 1 Vendrov, S. L., P. I. Nikulin, and V. M. Shirokov, eds. [Hydrology and water resources development] Gidrologiia i vodnoe khoziaistvo. 1963. 245 p.

KUYBYSHEV RESERVOIR—ICHTHYOLOGY

Nauchno-tekhnicheskoe soveshchanie po izucheniiu Kuibyshevskogo vodokhranilishcha. 1st, Stavropol'-on-Volga, 1962. [Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.

No. 3. Dziuban, N. A., ed. [Hydrogeology, ichthyology, and hydrochemistry] Gidroologii, ikhtiologiia i gidrokhimiia. 1963. 135 p.
[MICROFILM]

KUYBYSHEV RESERVOIR—WATER, UNDERGROUND

Nauchno-tek[illegible] shevskogo [illegible] 1962. [Mat[illegible] Conferenc[illegible] in Stavropol-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.

No. 3. Dziuban, N. A., ed. [Hydrogeology, ichthyology, and hydrochemistry] Gidroologii, ikhtiologiia i gidrokhimiia. 1963. 135 p.
[MICROFILM]

KUYBYSHEV RESERVOIR—WATER RESOURCES DEVELOPMENT

Nauchno-tekhnicheskoe soveshchanie po izucheniiu Kuibyshevskogo vodokhranilishcha. 1st, Stavropol'-on-Volga, 1962. [Materials of the First Scientific and Technical Conference on the Study of Kuybyshev Reservoir, held in Stavropol'-on-Volga, 1962] Materialy. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia.

No. 1. Vendrov, S. L., P. I. Nikulin, and V. M. Shirokov, eds. [Hydrology and water resources development] Gidrologiia i vodnoe khoziaistvo. 1963. 245 p.

KUZNETSK BASIN—ADMINISTRATIVE AND POLITICAL DIVISIONS

Volchenko, A. V. [From the history of the territorial and administrative division of the Kuznetsk Basin, 1618-1963; a reference aid] Iz istorii administrativno-territorial'nogo deleniia Kuzbassa 1618-1963 gg.; spravochnoe posobie. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1963. 26 p.

KUZNETSK BASIN—COAL MINES AND MINING

Kolomin, G. A., A. N. Abramov, and A. P. Dushuev. [Making 901 m. of drift in one month with the PK-3 cutter-loader at the Polysaevo-2 Mine] 901 m shtreka v mesiats kombainom PK-3 na shakhte "Polysaevskaia-2." Moskva, TSentr. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 11 p. (Seriia: Stroitel'stvo i rekonstruktsiia ugol'nykh predpriiatii)
[MICROFILM]

N[illegible] gila i ekonomika podzemnoi dobychi uglia)
[MICROFILM]

Nauchnaia konferentsiia na temu "Razvitie sotsialisticheskogo sorevnovaniia v ugol'noi promyshlennosti Kuzbassa." [Reports and papers of the Scientific Conference on the Subject "Expanding socialist competition in the coal industry of the Kuznetsk Basin"] Doklady i soobshcheniia. Kemerovo, Kemerovskii gornyi in-t, 1962. 113 p.

[MICROFILM]

The new giant mine. A. Ivanov. Sov. shakht. 12 no. 1: 4-6 Ja '63.

Examination of the basic principles of the overall plan for expanding the Kuznetsk coal basin. V. L. Grigor'ev. Ugol' 39 no. 6:70-71 Je '64.

Mining 1,000 tons of coal in one day in the Kuznetsk Basin with OMKU complex. V. F. Krylov and others. Ugol' 39 no. 6:12-15 Je '64.

KUZNETSK BASIN—FUNERAL RITES AND CEREMONIES

History of the ideology of the Tagar culture. A. I. Martynov. Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3:66-69 '63.

KUZNETSK BASIN—MINE ROOF BOLTING

Using rods for various purposes in the Kuznetsk Basin. A. P. Shirokov. Shakht. stroi. 7 no. 11:28 N '63.

KUZNETSK BASIN—MINE TIMBERING

Angarskii, V. V. [Metal and precast reinforced concrete mine supports in the Kuznetsk Basin] Metallicheskaia i sbornaia zhelezobetonnaia krep' shakht Kuzbassa. Moskva, Izd-vo "Nedra," 1964. 211 p.

KUZNETSK BASIN—MINE TIMBERING—COSTS

Economic efficiency of supports for horizontal workings in Kuznetsk Basin Mines N. M Denisov. Shakht stroi. 7 no. 11 10-11 N '63

KUZNETSK BASIN—PAYMENT

Ways to facilitate payments among regional economic council enterprises S Tarasov Den i kred 22 no 7 36-39 Jl '64

KUZNETSK BASIN—SHAFT SINKING

Using preliminary and consecutive cementing in the Kuznetsk Basin. B. A Koretskii, G I. Komarov, V. N Zhuravlev. Shakht. stroi. 8 no 5:22-25 My '64

KVIRILA VALLEY—GEOLOGY

Paleogene-Neogene history of the geological development on the Rioni-Kvirila watershed. Sh. Kh. Geguchadze. Soob. AN Gruz. SSR 31 no. 1:75-82 Jl '63.

KYMOGRAPHY

Effect of necrotized tissue on the bioelectrical and mechanical activity of the trabecula. A. P. Fedorova Vest. Mosk. un. Ser 6 Biol., pochv. 18 no 3 18-24 My-Je '63.

Methodology of recording conditioned blinking reflexes in young children V A Osepian. Zhur vys nerv deiat. 13 no 6 1101-1101 N-D '64

KYZYLKUM—PARASITES—LAMBS

Penetration of the adult tick Hyalomma asiaticum into the skin of lambs and its consequences I V. Kusel'tan Zool. zhur 43 no. 1 138-139 '64

KYZYLKUM—SPORES (BOTANY), FOSSIL

Spores of the new form genus Acritosporites from Upper Cretaceous deposits of central Kyzylkum and the southern part of the Aral Sea region. E K. Obonitskaia. Paleont. zhur. no. 2·121-124 '64.

KYZYLKUM—TICKS AS CARRIERS OF DISEASE

Penetration of the adult tick Hyalomma asiaticum into the skin of lambs and its consequences I V. Kusel'tan. Zool zhur. 43 no. 1 138-139 '64.

KZYL-ORDA PROVINCE—AGRICULTURE

Specialization of agriculture in Kzyl-Orda Province. M. Kuanyshbekov, B. Bapaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:14-21 F '64.

KZYL-ORDA PROVINCE—FRUIT CULTURE

Development of horticulture and viticulture in Kzyl-Orda Province. A. Ibraev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:49-51 F '64.

KZYL-ORDA PROVINCE—GRAPES

Development of horticulture and viticulture in Kzyl-Orda Province. A. Ibraev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:49-51 F '64.

KZYL-ORDA PROVINCE—LEGUMES

Role of legumes in the accumulation of organic substances and nitrogen in rice crop rotation. M. Aitbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:22-29 F '64.

KZYL-ORDA PROVINCE—RICE

Role of legumes in the accumulation of organic substances and nitrogen in rice crop rotation. M. Aitbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:22-29 F '64.

KZYL-ORDA PROVINCE—ROTATION OF CROPS

Role of legumes in the accumulation of organic substances and nitrogen in rice crop rotation. M. Aitbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:22-29 F '64.

LABOR, COMPLICATED

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Meditsina.
  Vol. 3, Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologiia rodov i poslerodovogo perioda. Fiziologiia i patologiia novorozhdennogo.
    Pt. 1. [Pathology of labor] Patologiia rodov. Red. L. S. Persianinov. 1964. 895 p.
  (DNLM)

LABOR AND LABORING CLASSES
(see also subdivision under Donets Basin; Kazakhstan; Transcarpathia; Ukraine; White Russia)

Akademiia nauk SSSR. Nauchnyi Sovet po kompleksnoi probleme "Istoriia Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii." [The working class and the labor movement in Russia in 1917; materials of an academic meeting, July 3-5, 1962 in Kiev] Rabochii klass i rabochee dvizhenie v Rossii v 1917 g.; materialy Nauchnoi sessii, sostoiavsheisia 3-5 iiulia 1962 g. v Kieve. Moskva, Izd-vo "Nauka," 1964. 358 p.

History of the first program of the "Liberation of Labor" group, based on new documents. S. S. Volk. Ist. SSSR 8 no. 1:116-126 Ja-F '64.

Participation of the "twenty-five thousand" in the establishment of the collective farms in Kirghizistan. T. Dulshemaliev. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 3:35-41 '63.

Work of a group studying the history of the Russian proletariat. IU. I. Kir'ianov, N. A. Kurashova, IU. N. Shebaldin. Ist. SSSR 7 no. 2:227-231 Mr-Ap '63.

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—EDUCATION

Skilled labor is one of the factors in the differentiation of wages IA Gomberg Vop. ekon no 7 21-30 Jl '64

LABOR AND LABORING CLASSES—STATISTICS

Pisarev, I. IU. [Problems of labor statistics in the works of V. I. Lenin] Voprosy statistiki truda v rabotakh V. I. Lenina. Moskva, Statistika, 1964. 95 p.

LABOR CONTRACT

Begichev, B. K. [Hiring and dismissal of workers and employees] Priem na rabotu i uvol'nenie rabochikh i sluzhashchikh. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

LABOR LAWS AND LEGISLATION

Broadening of legal safeguards making the right to work effective. K. Abzhanov. Sov. gos. i. pravo 34 no. 5:95-102 My '64.

Burlaka, O. S. [Soviet labor law] Radians'ke trudove zakonodavstvo. Kyiv, Derzhpolitvydav URSR, 1963. 46 p.

LABOR PRODUCTIVITY

From the history of the effort of the Communist Party of the Soviet Union to increase labor productivity during the years of the Great Patriotic War, 1941-1945. V. F. Lialeko. Trudy MIIGAIK no. 52:135-181 '62

LABORATORIES—EQUIPMENT AND SUPPLIES

Prema apparatus for medical and sanitary laboratories. E. F. Zeman, K. F. Stolpa. Lab delo no. 6:323-330 '64.

Rheostat hot plate for temperature regulation in water baths. B. E. Bilich. Lab. delo no. 6 370-372 '64.

LABYRINTH (EAR)

Body reactions during the prolonged effect of coriolis accelerations. N. I. Arlashchenko and others. Biul. eksp. biol. i med. 56 no. 8:28-33 Ag '63.

LABYRINTH (EAR)—DISEASES

Role of otoneurological tests in the diagnosis of cerebrovascular disorders with clinical symptoms of tumor syndromes. A. M. Pulatov. Zhur. nevr i psikh. 64 no 5:647-653 '64.

LABYRINTHODONTIA

New locality of Permian seymouriamorphs in the U. S. S. R. L. P. Tatarinov. Paleont. zhur. no. 1:139-141 '64.

LACRIMAL ORGANS

Correlation of lacrimal and salivary secretions during the development of conditioned reflexes from different receptor zones. I A Lapina Zhur. vys. nerv. deiat 13 no 6 1047-1051 N-D '63

LACRIMAL ORGANS—CANCER

Clinical aspect and treatment of epithelioma of the lacrimal glands. R. A. Mel'nikov, T. S. Shal'neva Vop. onk. 8 no. 10:64-72 '62.

LACTAMS

Rearrangements in the S-allylthiolactam series. F. P. Sidel'nikovskaia, A. A Avetisian Dokl. AN SSSR 157 no. 3:632-635 Jl '64.

LACTATION

Aliev, M. G. [Physiology of lactation in buffalo cows] Fiziologiia laktatsii buivolits. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 186 p.
  (DNAL)

LACTIC ACID BACTERIA

Use of lactic acid bacteria for the biological preservation of pulp. IE. I. Kvasnykov and others. Mikrobiol. zhur. 25 no. 6:54-58 '63.

LACTIC ACID BACTERIA—CULTURES AND CULTURE MEDIA
(see also subdivision under Ukraine)

Species of the antagonistic strains of lactic acid bacteria of the human gastrointestinal tract. V. I. Sudenko. Mikrobiol. zhur. 25 no. 6:13-19 '63.

LACTONES

Synthesis and transformations of α-substituted δ-methyl-δ-hydroxy-γ-caprolactones. A. A. Akhnazarian and others. Zhur. ob. khim 34 no 5:1413-1419 My '64.

LADOGA LAKE REGION—ATMOSPHERE

Vertical flows in the boundary layer of the atmosphere. V. A. Zaitsev, A. A. Ledokhovich Trudy GGO no. 154:58-64 '64.

LAGENIDAE, FOSSIL

Lenticulina of the Upper Cretaceous and Paleogene of the West Siberian Plain F S Putria Uch zap NIIGA no. 1 35-78 '63.

LAGOCHILIN

Effect of Lagochilus preparation on the motor function of the stomach and small intestine A Sh Shukurov. Uch zap Tadzh un. 17 Trudy Fak est nauk no 3 69-72 '58.

LAGOCHILUS

Alkaloid content of some Lagochilus species and on the nature of lagochiline [with summary in English]. T. P. Pulatova, R. L. Khazanovich. Apt. delo 11 no. 6:29-32 N-D '62.

LAGOMORPHA see subdivision under Gobi Altai

LAKES see subdivision under Sverdlovsk Province; Ural Mountain region

LAMELLIBRANCHIATA see subdivision under Atlantic Ocean

LAMELLIBRANCHIATA, FOSSIL see subdivision under Moscow Basin; Orel Province

LAMINAR FLOW

Displacement of petroleums and petroleum products in pipelines under laminar-flow conditions. V I. Kharlamenko, V. S IAblonskii Izv vys ucheb zav, neft' i gaz 6 no 5 71-78 '63.

Slightly curved laminar flow of an ideal incompressible liquid. A. P. Frolov. Prikl. mat. i mekh. 28 no. 3 564-566 My-Je '64.

LAMINATED METALS

Arkulis, G. E. [Simultaneous plastic deformation of dissimilar metals] Sovmestnaia plasticheskaia deformatsiia raznykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 270 p.

Lakedemonskii, A. V. [Bimetal castings] Bimetallicheskie otlivki. Moskva, Mashinostroenie, 1964. 179 p.

Rated method of constructing diagrams for the tension of bimetals. V. V. Abramov and others. Trudy GPI 19 no. 1:24-32 '63.

LAND see subdivision under Adzharistan

LAND—CLASSIFICATION see subdivision under Altai Territory

LAND TENURE
(see also subdivision under Azerbaijan; Chile, Kabardino-Balkar A.S.S.R.; Kirghizistan; Transcaucasia)

Comprehensive study of agrarian reforms accomplished by the Great October Revolution. S. Udachin, V. Dzikovich. Ekon. sel'khoz. 34 no. 12·111-113 D '63.

The Fifth Inter-Republic Conference on the Agricultural History of Eastern Europe. I. V. Ledovskaia. Ist. SSSR 7 no. 2:219-224 Mr-Ap '63.

The land utilization law of the Soviet Union. T M Davletshin. Mat i soob Issl. otd Inst. po izuch SSSR no. 53/54, 19-34 Ja-F '64

LAND TENURE—LAW

The role of leases in the peasant economy of the 17th century. A. N. Sakharov. Ist. SSSR 8 no. 1, 81-93 Ja-F '64.

LANDFORMS see subdivision under Antarctic regions; Rachin Depression

LANDSCAPE ARCHITECTURE
(see also subdivision under Kharkov)

Landscape plantings in residential areas. S. Severin. Stroi. i arkhit. 12 no 5:3-5 My '64.

LANDSCAPE GARDENING
(see also subdivision under Siberia; Ural Mountain region)

Vserossiiskoe obshchestvo sodeistviia okhrane prirody i ozeleneniiu naselennykh punktov. [Statute of the All-Russian Society of Assistance to Conservation and Landscape Gardening in Populated Places] Ustav. Moskva, 1959. 30 p.
[MICROFILM]

LANDSLIDES see subdivision under Kishinev; Zeravshan Valley

LANGUAGE AND LANGUAGES

From the activitities of the scientific council in the field of the laws of the development of national languages in relation to the development of socialist nations. Dop. AN URSR no. 6:823-824 '63.

M. V. Lomonosov was the initiator and organizer of linguistic research at the Petersburg Academy of Sciences. R. M. TSeitlin. Vop. slav. iaz. no. 7:103-118 '63.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Latviesu valodas terminologijas komisija [Dictionary of linguistic terms, 2495 Latvian terms] Valodniecibas terminu vardnica, 2495 latviesu termini Sastadijusi R. Grabis, D Barbare un A Bergmane Riga, Latvijas Valsts izd-ba, 1963 255 p. [In Latvian and Russian]

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Akademiia [illegible] nauk RSFSR, Moscow. Institut [illegible] Gruzinskaia [illegible] teaching (for-eign languages)] [illegible] effektivnosti pro-tsessa [illegible] iazyka. Pod red. A.D. [illegible] A.A.Mir[illegible] Moskva, Prosveshche-nie, 1964 [illegible] p. (Pedagogicheskie chteniia)

[illegible] Je

LANTHANIDES see Rare earths

LANTHANUM HYDROXIDE

Heat involved in the formation of lanthanum hydrox-ides. N.N. Mzareulishvili, M IA Gogoblani, E G. [illegible] Soob. AN Gruz SSR 31 no 2 284 Ag [illegible]

LAOS—POLITICS AND GOVERNMENT

[illegible] Nov. vrem. 21 no.25 1-4 Je '64.

LAPTEV SEA REGION—GEOLOGY, STRUCTURAL

[illegible] structure of the [illegible] in the Laptev Sea [illegible] A Pare[illegible] Sbor. stateĭ [illegible] trud [illegible]

LARCENY

[illegible] Ministry. Sots obesp 25 [illegible]

LARCH

(see also subdivision under Saur Range; Ural Mountains)

Presence of cembrene in the oleoresin of Larix sibirica Ledb. [illegible] Izv Sib otd AN SSSR no 3:120-121 '62

[illegible] architecture of plastic [illegible] I.A.Vakhrusheva, [illegible] les.zhur. 6 no.6 [illegible]

LARD

Changes in the chemical and physical properties of lard [illegible] heating. R Ondreicnka, V.Shimko, [illegible] 12 no 6 43-46 N-D '63

LARVAE—INSECTS

Larva of the lamellicorn beetle Brenskea (?) (Coleoptera, Scarabaeidae) from Turkmenia S I Medvedev Zool zhur 43 no 1 140-142 '64

Larvae of two species of Scarabaeidae (Coleoptera) from the Mangyshlak Peninsula. I.N.Skopina. Zool.zhur. 43 no.5.772-773 '64

LASERS

Experiments with a gaseous laser N I Kaliteevskii and others Vest LGU 19 no 10 40-45 '64

Izmar, A.N., and B.F. Fedorov. [Optical quantum devices (lasers) and their use in military technology; according to materials of the foreign press] Opticheskie kvantovye pribory (lazery) i ikh primenenie v voennoi tekhnike, po materialam zarubezhnoi pechati. Moskva, "Sovetskoe radio," 1964. 173 p.

Possible mechanism of the pulsations of optical masers A V Uspenskii Radiotekh i elektron 9 no 4 747-750 Ap '64

Radiation on the second optical harmonic. V.S. Mashkevych. Ukr.fiz.zhur. 9 no.2·225-229 F '64.

Theory of a laser in storage operation. A.L.Mikaelian, IU G Turkov Radiotekh i elektron 9 no.4 743-747 Ap '64

LATHES

Bliumberg, V.A., and M.A.Sergeev. [Operator of verti-cal lathes] Tokar'-karusel'shchik. Izd.2., perer. i dop. Moskva, Mashinostroenie, 1964. 391 p.

Calculating geometrical and precision parameters of lathes for noncopying turning of automobile pistons. IA.B Grinkot, M.S.Gaz, M.IA. Tal'ianker. Stan.i instr 35 no.5.22-25 My '64

Chernavskii, G.N. [Fundamentals of an efficient use of automatic and semiautomatic lathes; machining ring and bushing type parts] Osnovy ratsional'nogo ispol'zo-vaniia tokarnykh avtomatov i poluavtomatov; obrabotka detalei tipa kolets i vtulok. Moskva, Izd-vo "Mashino-stroenie," 1964. 214 p.

Danilov, B.F. [New tools for machining on lathes] Novye instrumenty dlia tokarnykh rabot; opyt raboty. Moskva, Izd-vo "Mashinostroenie," 1964. 59 p.

Device for setting a wedge on a lathe. E.Kondrashov. Shkola i proizv. 6 no.5:50 My '64.

Gil'man, A.I. [Universal pneumatic lathe chucks] Universal'nye pnevmaticheskie tokarnye patrony. [Saratov] Saratovskoe knizhnoe izd-vo, 1963, 111 p.

machines for machining piece parts Z D Levin Mashinostroitel' no 4 13-14 Ap '64

LATHES—ATTACHMENTS

Attachments for machining eccentric and multiaxial parts on lathes P G Volkov Mashinostroitel' no 4 1? Ap '64

Mechanism for a rapid displacement of the tailstock. V.A Podvinskii Mashinostroitel' no 4 25 Ap '64

Standard attachment for machining parts. I I Pilta. Mashinostroitel' no.5:20 My '64

LATHES—DESIGN AND CONSTRUCTION

Grimitlikht, E.I. [Technology of manufacturing clamp and feed collets with a diameter of from 2 to 50 mm] Tekhnologiia izgotovleniia zazhimnykh i podaiushchikh tsang diametrom ot 2 do 50 mm. Leningrad, 1964. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propa-gandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

LATHES—TECHNOLOGICAL INNOVATIONS

Modernization of the MR-15 semiautomatic hydraulic copying lathe for securing an intermittent conveyance of the carriage. G.F Dzanashvili. Stan i instr. 35 no 5:28-30 My '64.

LATHES—VIBRATION

Low frequency vibration damper for lathes. A.S. Kondratov, B P.Barmin. Mashinostroitel' no.5:32-33 My '64

Vibrations originating during the operation of a lathe. B.S.Gukasian. Izv.AN Arm.SSR.Ser.tekh.nauk 17 no.2 73-75 '64

LATHYRUS

Pollen development in two remote hybrids of Lathyrus. D A. Trankovskii Biul.MOIP.Otd.biol. 69 no.3: 91-97 My-Je '64.

LATIN AMERICA—BIBLIOGRAPHY

Akademiia nauk SSSR. Institut Latinskoi Ameriki. [Latin America in the Soviet press, bibliography of books and articles in the Russian language on contem-porary political conditions, history, economics and culture of Latin American countries, 1946-1962] Latinskaia Amerika v sovetskoi pechati; bibliografiia knig i zhurnal'nykh statei na russkom iazyke o sovre-mennom politicheskom polozhenii, istorii, ekonomike i kul'ture stran Latinskoi Ameriki, 1946-1962 gg. Mo-skva, 1964. 131 p.

LATIN AMERICA—ECONOMIC CONDITIONS

New books published abroad Mir.ekon.i mezhdunar. otn no.7.156-157 '64.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES

United States policy in Latin America after J.F. Kennedy's death. S.Gonionskii. Nov.vrem. 21 no.25:8-11 Je '64.

LATIN AMERICA—POLITICS

The liberation movement in Latin America M.Kudach-kin, N Mostovets Kommunist 41 no.11.121-130 Jl '64

LATVIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

[Administrative-territorial division of the Latvian S.S.R.] Latvijas PSR administrativi teritorialais iedalijums. Riga, Latvijas Valsts izd-ba, 1964. 146 p. [In Latvian and Russian]

LATVIA—CRIMINAL LAW

Latvian S.S.R. Laws, statutes, etc. [Criminal Code of the Latvian Soviet Socialist Republic] Latvijas Padom-ju Socialistiskas Republikas kriminalkodekss. Riga, Latvijas Valsts izd-ba, 1961. 86 p. [In Latvian]

LATVIA—CRIMINAL PROCEDURE

Latvian S.S.R. Laws, statutes, etc. [Criminal Proce-dure Code of the Latvian Soviet Socialist Republic] Latvijas Padomju Socialistiskas Republikas kriminal-procesa kodekss. Riga, Latvijas Valsts izd-ba, 1961. 131 p. [In Latvian]

LATVIA—DAIRY CATTLE

Klavins, J. [Improve the herd; Lenin Collective Farm of the Valmiera Agricultural Collective and State Farm Administration as a purebred cattle station] Izkopsim ganampulku: Valmieras kolhozu un padomju saimniecibu razosanas parvaldes Lenina kolhozsakirnes lopu audzeta-va. Riga, Latvijas Valsts izd-ba, 1964. 21 p. [In Latvian]
(DNAL)

LATVIA—DAIRY CATTLE BREEDING

Higher butterfat content of milk in pure-bred Brown Latvian cows V.N.Karelin. Trudy Bel nauch.-issl. inst.zhiv 3:16-31 '62.

LATVIA—ENSILAGE

[Promising silage crops] Par perspektiviem skabbaribas augiem. Riga, Latvijas Valsts izd-ba, 1963. 64 p. [In Latvian]
(DNAL)

Chemical additions to mixed feeds. A. Abramov. Muk.-elev.prom. 30 no.4·15-16 Ap '64.

LATVIA—INDUSTRIAL ORGANIZATION

Bellina, G.Kh. [Specialization and cooperation in the in-dustry of the Latvian S.S.R.] Spetsializatsiia i kooperi-rovanie v promyshlennosti Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 79 p.

LATVIA—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

[Repair and modernization of industrial equipment] Re-mont i modernizatsiia oborudovaniia. Pod red. I.K. Konfukhova. Riga, Nauchno-tekhn. ob-vo mashino-stroit. promyshlennosti, 1963. 146 p.

LATVIA—NATIONALITIES

P. Stuchka and his role in the struggle for the triumph of the Leninist nationality policy. V.A. Shteinberg. Nauch.dokl.vys.shkoly.filos.nauki 7 no.4:63 [illegible] '64

LATVIA—PLANT INTRODUCTION

Morkans, M., and A. Zvirgzda. [New woody plant species introduced into the Latvian S.S.R.] Jaunas introducetu kokaugu sugas Latvijas PSR. Riga, LPSR Zinatnu akad. izd-ba, 1963. 93 p. [In Latvian]
(DNAL)

LATVIA—REVOLUTION OF 1905

Rozins, Fricis. [Selected works] Raksatu izlase. Riga, Latvijas Valsts izd-ba [In Latvian]
Vol.1. [1894-1904] 1963. 374 p.
Vol.2. [1905-1907]. 1964. 402 p.

LATVIA—SHEEP BREEDING

System of breeding early double-purpose sheep in Latvia M.A Katlaps Trudy Bel nauch.-issl inst.zhiv 3 [illegible] 184 '62.

LATVIA—SPRAYING AND DUSTING IN AGRICULTURE

Twelve rubles out of one. A.D.Trusova. Zashch.rast ot vred.i bol. 9 no.6:11 '64.

LATVIA—WOODY PLANTS

Morkans, M., and A. Zvirgzda. [New woody plant species introduced into the Latvian S.S.R.] Jaunas introducetu kokaugu sugas Latvijas PSR. Riga, LPSR Zinatnu akad. izd-ba, 1963. 93 p. [In Latvian]
(DNAL)

LATVIAN LANGUAGE—DICTIONARIES—ENGLISH

Lipsiete, V., and J. Raskevics. [Latvian-English con-versation dictionary] Latviesu-anglu sarunu vardnica. Riga, Latvijas Valsts izd-ba, 1963. 199 p.

LATVIAN LANGUAGE—DICTIONARIES—RUSSIAN LANGUAGE

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Latviesu valodas terminologijas komisija. [Dictionary of linguistic terms; 2495 Latvian terms] Valodniecibas terminu vardnica; 2495 latviesu termini. Sastadijusi R. Grabis, D. Barbare un A. Bergmane. Riga, Latvijas Valsts izd-ba, 1963. 255 p. [In Latvian and Russian]

LAUREL—DISEASES AND PESTS see subdivision under Georgia

LAURENCE-MOON-BIEDL SYNDROME

Psychopathological characteristics of Laurence-Bardet-Biedl syndrome. R.A.Sirovskaia. Zhur.nevr.i psikh. 63 no.7.1078-1084 '63.

LAVA—MAGNETIC PROPERTIES see subdivision under Armenia

LAVROV, KONSTANTIN ALEKSANDROVICH, 1903-1963

In memory of Konstantin Aleksandrovich Lavrov. A.A. Kolosova, P.A.Sokolov. Arkh.anat., gist.i embr. 44 no.6:125-126 Je '63.

LAW see subdivision under Azerbaijan; Poland; Ukraine

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES

[Bulletin of the Supreme Court of the R.S.F.S.R.] Biul. Verkh.Suda RSFSR no.7 '64.

LAW AND COMMUNISM

Tumanov, V.A., ed. [Anticommunism in the ideologi-cal [illegible] of imperialism, criticism of [illegible] theories of the state and law] [illegible] imperia-lizma, [illegible] teorii gosudarstva i prava. Moskva, Izd-vo "Mezhdu-narodnye otnosheniia," 1964. 25? p.

LAYING-OUT (MACHINE-SHOP PRACTICE)

Roman, O.V., and A.M. Dmitrovich. [Checking and measuring tools and laying out] Kontrol'no-izmeritel'nye pribory i razmetka. Minsk, Gosizdat BSSR, 1963. 149 p. (Biblioteka slesaria, no.4)

Saving rolled metal. G.S.Barger. Mashinostroitel' no.4 27 Ap '64.

Optimal region of pH in the sulfuric acid dissolution of uranium dioxide in the presence of various oxidizers and Fe (II) ions. E. A. Kanevskii, A. P Filippov, M. I. Vel'matkin. Radiokhimiia 5 no. 6:741-744 '63.

Physicochemical properties of molten, supercooled, vitreous, and recrystallized basalt Part 8 Leaching of vitreous basalt with an azeotropic solution of hydrochloric acid. A B Abramian Izv AN Arm SSR Khim. nauki 17 no. 3 262-271 '64

Physicochemical properties of molten, supercooled, vitreous and recrystallized basalt Part 9 Leaching of Khaladzh vitreous basalt with a 5% solution of nitric acid A B Abramian Izv AN Arm SSR Khim. nauki 17 no 3 272-282 '64

LEAD—METALLURGY

Lamer, V. E. [A word about lead] Slovo o svintse. Moskva, Izd-vo "Metallurgiia," 1964. 106 p.

LEAD-ANTIMONY-TIN ALLOYS

Phase diagram of alloys of the lead-enriched system lead - antimony - tin. V.A.Kogan, A.A.Semionov. Zhur.fiz.khim. 37 no.4:802-809 Ap '63.

LEAD INDUSTRY see subdivision under Chimkent

LEAD OXIDES

Internal stresses of electrolytic deposits of lead dioxide obtained from alkaline plumbite electrolytes. N.G. Bakhchisaraits'ian, E.A.Dzhafarov. Dokl.AN Azerb. SSR 19 no.6:31-34 '63.

LEAD PLATING

Nature of the polarization in the formation of lead from lead sulfate. V. F. Lazarev, A. I. Levin. Zhur. fiz. khim. 36 no. 6:1318-1320 Je '62.

LEAD POISONING

Distribution and discharge of P^{32} from the organism of healthy and lead-poisoned animals K.K.Makashev, Z.P.Rakhimova. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2:44-49 '64.

Distribution and excretion of radioactive calcium from the organism of healthy and lead-poisoned animals. K.K. Makashev, L.V.Kazachenko. Izv.AN Kazakh. SSR.Ser.med.nauk no.1:50-55 '64.

LEAD SULFIDE—ELECTRIC PROPERTIES

Study of the electric conductivity of fine sheets of lead sulfide in an external electrostatic field. O.L.Chepok. Pratsi Od.un. 150 Zbir.stud.rob. no.6:101-104 '60.

LEAF BEETLES see subdivision under Asia, Central; Dzhalalabad region; Gissar Range; Kirghizistan

LEAF BEETLES—EXTERMINATION see subdivision under Gur'yev Province

LEAF ROLLERS

Methods of staining the embryos of the green oak leaf roller Tortrix viridana L. N. N. Rubtsova. Zool. zhur. 42 no. 12:1880-1881 '63.

LEAF SPOT

Materials on the causative agent of laurel leaf spot Colletotrichum nobile (Sacc.) comb. nov. A. V. Mzhavanadze. Soob. AN Gruz. SSR 31 no. 1:143-148 Jl '63.

LEAKAGE ELECTRIC CURRENTS see Electric currents, Leakage

LEAST SQUARES

Using the method of least squares for evaluating the precision of the technological operation in active control of part dimensions. I.V.Dunin-Barkovskii. Izm.tekh. no.5:10-13 My '64.

LEATHER

Causes of the formation of the split effect in leather. A.P.Beloshtan. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:39-46 '63.

Use of a shellac-casein finish for DOL chrome pigskins. V.S.Ostrovs'kyi and others. Leh.prom. no.2:58 Ap-Je '64.

Use of ammonia soap for the fat-liquoring of stiff leather. I.V.Lukhtan and others. Leh.prom. no.2:59 Ap-Je '64.

LEATHER—DRYING

The ASD-1 unit for drying chrome leather in a dynamic state. A.H.Khrypin and others. Leh.prom. no.2: 21-24 Ap-Je '64.

LEATHER—TESTING

Analyzing the stability conditions of correlation between the physical and mechanical indices of leather properties V.P.Nesterov. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:3-8 '63.

Common characteristics of the mechanical properties of shoe-upper leather. A.IU.Zybin. Izv.vys.ucheb. zav.; tekh.leg.prom. no.6:9-19 '63.

New methods for evaluating the properties of semiprocessed products manufactured from pigskin. G.I. Dzhanashiia. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:47-56 '63.

Automatic device for flaying and piling of hides. IA.IU. Horokhovs'kyi, V.A.Rytsin, L.A.Fridman. Leh. prom. no.2:60-61 Ap-Je '64

LEAVES

Biological activity of the leaves of Digitalis purpurea and Digitalis ferruginea. T. D Kobakhidze. Soob. AN Gruz. SSR 31 no. 2:449-454 Ag '63

Formation of the drought resistance properties of apple tree leaves during their growth under the effect of external conditions. L A. Filippov Fiziol rast. 11 no 3:529-531 '64

Iron accumulation in leaves as a function of age. E. E. Khavkin. Dokl. AN SSSR 156 no. 2:474-477 My '64.

Physiological role of the cauline leaves of rice during the formation and maturing of caryopses A A Lizandr, V. L Brovtsyna Fiziol rast 11 no 3 391-397 '64

LEAVES—ADSORPTIVE PROPERTIES

Impulse photostimulation of the adsorbates of hematoporphyrin, chlorophyll, leaf pigments and Mg-phthalocyanine. A. N. Terenin, O. D. Dmitrievskii, D. N. Glebovskii. Biofizika 9 no. 1:25-32 '64.

LEAVES—ANATOMY

Change in the anatomical structure of the needles of some trees in relation to their age and the height of their position on the tree. M. D. Nestsiarovich, A. V. Panamarova, T. F Dziaruhina. Vestsi AN BSSR. Ser. biial. nav. no. 3:5-13 '63.

LEBEDEV, SERGEI VASIL'EVICH, 1874-1934

Noteworthy dates in science and technology. Shkola i proizv. 8 no. 5:95-96 My '64.

LECITHIN

Changes in the cholesterol and lecithin amount of blood serum in patients with cholecystitis and liver cirrhosis V. A Aladashvili, O. G Abuladze, L T. Vasil'eva. Soob AN Gruz. SSR 31 no 3 745-748 S '63

Complex lipides. Syntheses of optically active dextrorotatory (natural) and racemic dilinoleoyl-α-lecithins. V.I.Shvets and others. Zhur.ob.khim. 34 no.6: 1891-1896 Je '64.

LEG—AMPUTATION

Amputation in unhealing neurogenic ulcer. N. A. TSirkunova. Ortop., travm. i protez. 24 no.12:14-20 D '63.

LEG—DISEASES

Angiographic data on the lower extremities in atherosclerosis. S. S. Ivanov. Vest. rent. i rad. 38 no. 3 75-76 My-Je '63.

Treatment of thrombophlebitis of the deep veins of lower extremities. L.G.Fishman. Khirurgiia 40 no.2; 87-93 F '64.

LEG—SURGERY

Elephantiasis of the lower extremities with retrograde flow of the chlyous fluid A N. Retvinskii. Vest. khir. 91 no 10 122-124 O '63.

LEG—ULCERS

Amputation in unhealing neurogenic ulcer. N. A. TSirkunova. Ortop., travm. i protez. 24 no. 12:14-20 D '63.

LEGISLATION

The role of judicial practice in the formulation and improvement of norms of socialist law. Anita Nasit, Inna Fodor. Sov. gos. i. pravo 34 no. 5:21-30 My '64.

LEGUMES

(see also subdivision under Kzyl-Orda Province; Nakhichevan A.S.S.R.)

Drying pulse crop seeds by the method of mechanical ventilation with heated air. S.V.Novoselov. Izv. TSKHA no.5:68-73 '63.

LEIPZIG—FAIRS

At the spring Leipzig Fair. A. Babadzhanian. Vnesh. torg. 44 no. 5.48-49 '64.

LEISURE

Bolgov, V. I. [Leisure time and workers' living standards] Vnerabochee vremia i uroven' zhizni trudiashchikhsia. Novosibirsk, Redaktsionno-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 133 p.

Leisure time as an index of the living standard of workers. V.I.Bolgov. Izv.Sib.otd.AN SSSR no.6:10-16 '62.

Netsenko, A. V. [Free time and its use; the building of communism and the leisure of workers] Svobodnoe vremia i ego ispol'zovanie; stroitel'stvo kommunizma i dosug trudiashchikhsia. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 55 p.

LEMMLEIN, GEORGII GLEBOVICH, 1910-1962

G.G.Lemmlein; obituary. Kristallografiia 8 no.1:3-4 Ja-F '63.

LENGTH MEASUREMENT

Unreliability of the pair method for the determination of the total error of the reading of a length measuring instrument. I.T.Uverskii. Izm.tekh. no.5:13-14 My '64.

Bibliographical work on the military theory legacy of V. I. Lenin. I. Korotkov. Komm. Vooruzh. Sil 4 no. 10: 91-93 My '64.

Dictionary of Lenin's language. Er.Khanpira. Nov.mir 39 no.10:190-193 O '63.

History and contemporary events in V I. Lenin's prerevolutionary works. L. V Cherepnin. Ist. SSSR 7 no. 2:23-34 Mr-Ap '63.

Kommunisticheskaia partiia Ukrainy. Dnepropetrovskii oblastnoi komitet. Partiinyi arkhiv. [V. I. Lenin and the Bolshevik organization of Yekaterinoslav; documents and materials] V. I. Lenin i ekaterinoslavskaia bol'shevistskaia organizatsiia; dokumenty i materialy. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1962. 202 p.
(MH)

Pisarev, I. IU. [Problems of labor statistics in the works of V. I. Lenin] Voprosy statistiki truda v rabotakh V. I Lenina. Moskva, Statistika, 1964. 95 p.

Prerevolutionary censorship of V. I. Lenin's works; based on the materials of the central Historical Archives in Leningrad. I. F. Kovalev. Ist. SSSR 7 no. 2:89-96 Mr-Ap '63.

V. I. Lenin on the conservation of natural resources. A. K. Sharts. Okhr. prir. na Urale no. 2:17-22 '61.

V. I. Lenin's struggle against leftist distortions of socialist culture. I. L. Aronchik Nauch. dokl. vys. shkoly; filos. nauki 7 no. 2:11-18 '64

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

Bakhmetov, S. A., and P. E. Nikitin. [House of Il'ichevo; a guidebook] Domik v Il'icheve; putevoditel'. Izd. 3., ispr. i dop. [Leningrad] Lenizdat, 1964. 44 p. (Memorial'nye muzei V. I. Lenina)

Nikitin, P. E. [V. I. Lenin among the workers of St. Petersburg] V. I. Lenin sredi piterskikh rabochikh. Leningrad, Ob-vo "Znanie" RSFSR," 1964. 59 p.

LENIN, VLADIMIR IL'ICH, 1870-1924—MONUMENTS

To the immortal memory of our great leader Stroi. i arkhit Len. 26 no. 4:2 Ap '64.

LENINGRAD—AGRICULTURAL LIBRARIES

Leningrad branch of the Central Agricultural Library. N. I. Bakusheva. Biul. TSentr. nauch. sel'khoz. bibliot no. 7:12-15 '61.

LENINGRAD—APARTMENT HOUSES—MAINTENANCE AND REPAIR

Greater improvement of apartment houses and blocks of old building developments of Leningrad. S.D.Khimunin. Nauch.trudy AKKH no.18:106-129 '62.

LENINGRAD—CATHEDRALS

Kolotov, M. G. [St. Isaac's Cathedral] Isaakievskii sobor. Leningrad, Stroiizdat, 1964. 84 p. (K 400-letiiu knigopechataniia v Rossii)

LENINGRAD—CITY PLANNING

Right bank of the Neva. Plans for the reconstruction of the embankment. A. A. Afonchenko, V. K. Svashnikov. Stroi. i arkhit. Len 26 no. 4:23-28 Ap '64.

LENINGRAD—COMMUNITY AND SCHOOL

Based on the revolutionary and labor traditions. V. Sergeev. Nar. obr. no. 7:62-64 Jl '64

LENINGRAD—CONSTRUCTION INDUSTRY

In the Executive Committee of the Leningrad Soviet. Stroi. i arkhit. Len. 26 no. 4:p 3 of cover Ap '64.

LENINGRAD—DISABILITY EVALUATION

Every physician should have specialized knowledge. A. Farutin. Sots. obesp. 25 no. 5:30-31 My '64.

LENINGRAD—ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION STANDARDS

Gram after gram, ton after ton. V.Snytkin. Mashinostroitel' no. 4:6 Ap '64.

LENINGRAD—FLOUR MILLS

Air conduit as a promising means of intrashop conveying. N. Cherniaev, V. Zhuravlev. Muk.-elev. prom. 30 no. 2:9-11 F '64.

LENINGRAD—HOME AND SCHOOL

Closer to the family! Z.Ginzburg. Sem'ia i shkola 19 no.5:15-16 My '64.

LENINGRAD—MEDICAL STATISTICS—STUDY AND TEACHING

Teaching sanitary statistics in the Leningrad Sanitary Hygienic Medical Institute. A. P. Mokhnenko. Zdrav. Ros. Feder. 8 no.5:32-34 My '64.

LENINGRAD—ORTHOPEDIC SHOES

There are many who need them, but the orders are not forthcoming. M. TSaturov. Sots. obesp. 26 no. 5:49-51 My '64.

[illegible] P. Ego- [illegible]

LENINGRAD—SHOOTING

[illegible] Voen znan 40 [illegible]

LENINGRAD—SOCIALIST COMPETITION

[illegible] M Zinov'ev Kom- [illegible] 41 [illegible] 101 Jl '64

LENINGRAD—TESTING LABORATORIES

[Spectrum analysis in Leningrad industries, from the practices of some spectrum analysis laboratories] Spektral'nyi analiz v Leningradskoi promyshlennosti; iz opyta raboty nekotorykh spektral'nykh laboratorii. — Leningrad, 1963. 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy)

LENINGRAD ECONOMIC REGION—CONSTRUCTION INDUSTRY—FINANCE

Maximum effect with minimum expense. Remove red tape from construction of nonresidential areas. P. K Bobchenok. Stroi i arkhit Len 26 no 4 13-14 Ap '64.

LENINGRAD PROVINCE—MINE RAILROADS

[illegible] train for "Slantsy" Combine mines. IU I Mikhailov, K I [illegible]enko, V N Makashov. Sbor nauch trud KGRI no 21 224-233 '63

LENINGRAD PROVINCE—NATURAL HISTORY

Sokolov, S. IA., ed. [Nature of Leningrad and environs] Priroda Leningrada i okrestnostei. [Leningrad] Lenizdat, 1964 249 p.

LENINGRAD PROVINCE—NEMATODA

Mermithids parasitizing in blackflies. I. A. Rubtsov, Zool. zhur. 42 no. 12 1768-1784 '63.

LENINGRAD PROVINCE—PARASITES—BLACKFLIES

Mermithids parasitizing in blackflies. I. A. Rubtsov, Zool. zhur. 42 no. 12:1768-1784 '63.

LENINGRAD PROVINCE—POTATO LATE BLIGHT

Controlling Phytophthora. I V. Timofeeva. Zashch. rast. ot vred. i bol 9 no. 6:15-16 '64.

LENINGRAD PROVINCE—RURAL CONSTRUCTION

New developments in rural construction. P Lipkin Sel'. stroi 18 no. 10 17-19 O '63

LENINGRAD PROVINCE—TECHNOLOGY—INFORMATION SERVICES

Chekin, V. A. [Organization of the dissemination of progressive practice in the technical study rooms of the Central Bureau of Technological Information of the Leningrad Economic Council] Organizatsiia propagandy peredovogo opyta v tekhnicheskikh kabinetakh TsBTI Lensovnarkhoza. Leningrad, 1964 47 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. *Seriia: Obmen opytom nauchno-tekhnicheskoi informatsii i propagandy*)

LENINGRAD PROVINCE—WORLD WAR, 1939-1945

Twentieth anniversary of the Vyborg and Svir'-*Petrozavodsk* operations. P. Egorov. Voen.-ist. zhur. 6 no. 6:119-121 Je '64.

LENKORAN LOWLAND—SOILS

Dynamics of the pH reaction in *the Lenkoran zone* of Azerbaijan. R. V. Veselkina. Dokl. AN Azerb. SSR 19 no. 6:53-57 '63.

LENNYKH, IVAN VASIL'EVICH, 1901-1961

Ivan Vasil'evich Lennykh: obituary. G. I. Vodorezov and others. Mat. po geol. i pol. iskop. IUzh. Urala *no. 3*:3-4 '62.

LEONTICE

Leontice ewersmannii Bge alkaloids. Part 6: Structure of leontidine. Siui Zhen'-shen' [Hsu Jên-shên], A. D Kuzovkov. *Zhur ob khim* 34 no 5,1669-1672 My '64.

Therapeutic effectiveness of the Leontice sicca extract in subacid and anacid chronic *gastrites*. E. N. Bezhanishvili. Soob. AN Gruz. SSR 31 no. 1:215-220 Jl '63.

LEPIDINE

Synthetic dyes. Part 38: Synthesis and transformations of 1,2-diaryl lepidinium salts. *G. T. Pilíugin*, B. M. Gutsuliak, IA. O. Gorichok. Zhur. ob. khim. 34 no. 6: 1992-1997 Je '64.

LEPTOSPIRA

(see also subdivision under Furmanovo District)

Survival of Leptospira in the meat of animals given antibiotics intravitam. O M Kotova *Zap. Vor sel'khoz. inst.* 17 no 2 65-67 '62

The vole Microtus *gregalis and the* bank vole Clethrionomys glareolus as experimental Leptospira carriers. L. P. Sagaidak, V. N. Novikova, N. I. Igolkin. Trudy TomNIIVS 14:80-82 '63

LEPTOSPIRA—CULTURES AND CULTURE MEDIA

Survival of Leptospira in *different* pH of the medium. O. I. Korotkikh, T. D. Ubeikobylina, *L. I. Leksina*. *Trudy* TomNIIVS 14:83-85 '63.

Reproduction of leptospirosis in animals by means of enteral infection. V. N. Novikova, I V. Purtova, E. I. Kroks. Trudy TomNIIVS 14:86-88 '63.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Andronikov, I. L. [Lermontov; studies and discoveries] Lermontov; issledovaniia i nakhodki. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 606 p. illus.

Lomunov, K. N. [Word about Lermontov; on the 150th anniversary of the birth of M. IU. Lermontov] Slovo o Lermontove, k 150-letiiu so dnia rozhdeniia M. IU. Lermontova. Moskva, Izd-vo "Znanie," 1964. 39 p. (*Novoe v zhizni*, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 11)

LEUKEMIA

Frequency of the development of myeloid leukemia in mice in relation to the doses of external gamma irradiation. R V. Smirnov. Vop. onk 8 no 10:59-64 '62.

X-ray diagnosis of changes in the bones in acute leukemias. M. V. Pavlova, V. G Silkina. Vest. rent. i rad. 38 no 3 72-74 My-Je '63.

LEVEL INDICATORS

Support collars and protection of the PVD system from overfilling. V. A. Brezhnev, V. F. Bazhin. Energetik 12 no 4:4 Ap '64

LEVEL INDICATORS FOR LIQUIDS see Liquid level indicators

LEVOMYCETIN

Effect of levomycetin on the inoculation of dysentery cultures. F K Cherkes and others. Lab. delo no. 6, 354-356 '64

LEVULINIC ACID

Use of δ-aminolevulinic acid for vitamin B_{12} biosynthesis by resting cells of Propionibacterium shermanii. V. IA *Bykhovskii, N I Zaitseva, G. V* Mantrova. Dokl. AN SSSR 157 no 3 692-695 Jl '64.

LIABILITY (LAW)

Relations between enterprises and their superior governmental *organs* and the problem of *contract liability*. V. K. Mamutov. Sov. gos. i. pravo 34 no. 5:42-51 My '64.

LIBERTY OF CONSCIENCE

Ruzheilite, O. S. [Denial of liberty of conscience in bourgeois countries] Otritsanie svobody *sovesti v* burzhuaznykh stranakh. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 124 p.

LIBRARIES

(see also subdivision under Kirov)

By every means carry out the decisions of the plenums of the Central Committee of the CPSU. T. I Skirpkina. Sov. bibl. no 3:106-108 '64

Readers' letters. Sov. shakht. 11 no. 12:39 D '62.

LIBRARIES, CHILDREN'S

[*An aid for children's* and school libraries in 1964; a collection of methodological and bibliographical materials] V pomoshch' detskim i shkol'nym bibliotekam 1964 god; sbornik *metodicheskikh i bibliograficheskikh* materialov. Moskva, Izd-vo "Kniga," 1964. 64 p.

LIBRARY CONFERENCES

(see also subdivision under Transcaucasia)

Brief record of the proceedings of the conference. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1:6-13 '58.

Conference of the Central Agricultural Libraries and Documentation Organizations of Socialist Countries, April 11-14, 1961. Z F. Tundina. Biul. TSentr nauch. sel'khoz. bibliot no. 7:35-36 '61.

Seminar of bibliographers of agricultural libraries. M. Baranova. Biul. TSentr. nauch sel'khoz. *bibliot*. *no.* 7:33 '61.

LIBRARY SCIENCE

Against reactionary tendencies of bourgeois library science. N. I. Tiulina Sov. bibl. no. 3:114-118 '64

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. [*Information* on library work and bibliographies abroad; collection of materials, July-September 1963] Informatsiia o bibliotechnom dele i bibliografii za rubezhom; sbornik materialov (iiul'-*sentiabr' 1963* g.). *Moskva*, Otdel izdanii VGBIL, 1963. 85 p.

LICHENS see subdivision under White Russia

LIE ALGEBRAS

Two radicals of Lie algebras. L. A. Simonian. Dokl. AN SSSR 157 no. 2:281-283 Jl '64

LIECHTENSTEIN—DESCRIPTION AND TRAVEL

Journey to Liechtenstein. G. Shishkin, G. Dragunov. Nov. vrem. 21 no. 26, 23-25 Je '64.

LIEPAJA—HISTORY, NAVAL

Brotherhood sealed with blood. Leonid Sobolev. Sov. voin 46 no. 13:23-24 Jl '64.

LIFE (BIOLOGY)

Determination of the concept of "life." V. M. Zhdanov. Vest. AMN SSSR 19 no. 1:26-33 '64.

Universality of the matrix principle in biology and the laws of dialectics. I. G. Balandin. Vest. AMN SSSR 19 no. 1:22-26 '64.

LIFEBOATS

The new lifeboat "Ukrainka." A. Prisiazhniuk. Voen znan 40 no. 6 39 Je '64

LIGHT

Dependence of the intensity of the light threshold on the shape and area of the test object. N. I. Gavrilova. *Nerv. sist.* no. 3:135-138 '62.

Determination of flexibility of DNA molecules with the aid of light disseminated at large angles. O. B. Ptitsyn, B. A. Fedorov. Biofizika 8 no. 6:659-664 '63.

LIGHT—PHYSIOLOGICAL EFFECT

A cause of visual effects conditioned by light polarization. Biofizika 8 no. 6:736-738 '63.

Photodynamic stimulation of frog skeletal muscle. M. K. Sazonenko. Biofizika 8 no. 6:681-689 '63

LIGHT—SCATTERING

Brightness indicatrices at altitudes of 8 to 17.5 km A. B. Sandomirskii, N. P Al'tovskaia, [illegible] Izv AN SSSR Ser geofiz no 6 950-[illegible] Je '64.

Relation between the scattering of light in the free atmosphere and the vertical distribution of aerosols. A. [illegible] Laktionov Izv. AN SSSR, Ser geofiz no 6:[illegible] Je '64.

LIGHTNING PROTECTION

Checking the operation of tubular dischargers in lightning protection systems of rotary machines using an [illegible] overhead power transmission line. M. V. Kostenko, E. E. Ivatsik. Izv. vys. ucheb. zav.; energ. 7 no. 5 [illegible] My '64.

LIGHTWEIGHT CONCRETE

(see also subdivision under Moscow; Volgograd Province)

Concretes made with glass-containing slag as a filler. V. I. Utkin. Izv. Mold. fil. AN SSSR no. 6:84-91 '61.

Designs of precast livestock buildings. A. Nomvalts Sel'. stroi. 18 no. 10:9 O '63.

High-strength keramzit *concrete and its use in bridges* and hydraulic structures. I. G. Ivanov-Diatlov. Bet. i zhel.-bet. 10 no. 4:153-158 Ap '64.

Keramzit concrete elements *for industrial* construction N. A. Kornev. Bet. i zhel.-bet. 10 no. 4:162-164 Ap '64.

Keramzit concrete for prestressed concrete elements N. A. Kornev, A. A. Kudriavtsev. Bet. i zhel.-bet. 10 no. 4:166-169 Ap '64.

Keramzit concrete in construction. Bet. i zhel.-bet. 10 no. 4:147-149 Ap '64.

Manufacturing keramzit concrete elements by the continuous vibration rolling method. N. IA. Kozlov, A I Birger, V. A. Klokov. Bet. i zhel.-bet. 10 no 4:158-162 Ap '64.

Selecting mix designs of keramzit concrete for bearing elements. R. A. Shchekanenko. Bet. i zhel.-bet 10 no. 4:174-178 Ap '64.

Studying the properties of keramzit concrete. G. A. Buzhevich and others. Bet. i zhel.-bet. 10 *no.* 4:170-174 Ap '64.

Using keramzit concrete under conditions of decentralized *construction*. K. I. Bashlai, B. I. Smirnov, M. I. Shtern. Bet. i zhel.-bet. 10 no. 4:178-181 Ap '64.

LIGHTWEIGHT CONCRETE—ADDITIVES

Effect of additives of surface-active substances on the quality of gas concrete. L. M. Rozenfel'd, *T. P Vasil'eva*, A. G. Neiman. Bet. i zhel.-bet. 10 no. 4:191-192 Ap '64.

LIGHTWEIGHT CONCRETE—BIBLIOGRAPHY see Bibliography—Lightweight concrete

LIGNIN

Conditions for the preparation of activated coals from *lignin*. *I. P Kutanau*, B G. Udarau Vestsi AN BSSR. Ser. fiz.-tekh. nav no. 1:44-48 '64.

Determining the hydroxyl group of lignin by the Verley method. B. D. Bogomolov, *E. D. Gel'fand*, M. F. Borenzon. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6: 152-155 '63.

Economics and prospects for the production of lignin coal. A. I. Kozlov, I. V. Parmenova. Gidroliz. i lesokhim. prom. 17 no. 4:23-24 '64.

LIGNITE

Some results of the pyrolysis of brown coal from the Eastern *Regions* of the U.S.S.R. V. G. Kashirskii, IU. A. Vasil'ev. Izv. vys. ucheb. zav.; energ. 7 no. 5: 122-126 My '64.

Use of *resins obtained* from the bitumen of brown coals. M. H. Holovanov, V. V. Borisohlebs'kyi, E. A. Kuz'menko. Khim. prom. [Ukr.] no. 1:34-36 Ja-Mr '63.

LIGNOCELLULOSE

Mechanical and chemical destruction of lignocellulose polysaccharides. G. I. Gorokhov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:160-161 '63.

LILIES

A new karyotype in lilies K IU. Kostiukova Dokl. AN SSSR 157 no. 2;454-456 Jl '64.

LIMA-BEAN POD BORER—EXTERMINATION see subdivision under Kherson Province, Nikolayev Province

LIME

Effect of firing temperature on the binding properties of low-magnesia milled quicklime K S Kutateladze, I I Chkhikvadze Soob AN Gruz SSR 31 no 3 589-536 S '63.

Effect of strong electrolytes on the rate of hydration of calcium oxide. S I. Kontorovich, E. E. Segalova, P. A. Rebinder. Dokl. AN SSSR 157 no. 2 400-403 Jl '64.

LIMESTONE see subdivision under Daghestan; Prut Valley; Turkmenistan; Ukraine

LIMING OF SOILS
(see also subdivision under White Russia)

Aliamovskii, N. I. [Liming materials] Izvestkovye udobreniia. Moskva, Sel'khozizdat, 1963. 69 p.
(DNAL)

LIMIT THEOREMS (PROBABILITY THEORY)

Asymptotically correct constants in the definitions of the mean central limit theorem. V. M. Zolotarev. Teor. veroiat. i ee prim. 9 no. 2;293-302 '64.

Estimation of the remainder term in the limit theorem for recurrent events. A. O. Gel'fond. Teor. veroiat. i ee prim. 9 no. 2;327-331 '64.

Limit theorem for additive functionals of a sequence of sums of independent random variables. M. P. Slobodeniuk. Dop AN URSR no. 6;698-700 '63.

Local limit theorems for the sums of independent random variables. V. V. Petrov. Teor. veroiat. i ee prim. 9 no. 2;343-352 '64.

Multidimensional local limit theorem for probability densities. H. Heckendorff. Ukr. mat. zhur. 16 no. 3; 365-373 '64.

Remarks on Wiener's and Blackwell's theorems. A. A. Borovkov. Teor. veroiat. i ee prim. 9 no. 2;331-343 '64.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Closure of computation processes and the drift method. I. Babushka, M. Prager, E. Vitasek. Zhur. vych. mat. i mat. fiz. 4 no. 2;351-353 Mr-Ap '64.

Conditions for the existence of the solution to a system of transportation-type linear equations with exclusions. V. S. Mikhel'son. Zhur. vych. mat. i mat. fiz. 4 no. 2; 370-376 Mr-Ap '64.

Mikhlin, S. G., ed. [Linear equations in mathematical physics] Lineinye uravneniia matematicheskoi fiziki. [By] V. M. Babich i dr. Moskva, Izd-vo "Nauka," 1964. 368 p. (Spravochnaia matematicheskaia biblioteka)

Nonstationary iterative method for the approximate solution of linear operator equations. A. IU. Luchka, N. S. Kurpel'. Ukr. mat. zhur. 16 no. 3;389-395 '64.

LINEAR PROGRAMMING

Astakhov, A. S. [Linear programming in mining] Lineinoe programmirovanie v gornom dele. Moskva, Izd-vo "Nedra," 1964. 143 p.

Barsuk, V. A. [Mathematical methods of planning the transportation of parcels] Matematicheskie metody planirovaniia perevozki posylok. Moskva, Izd-vo "Sviaz'," 1964. 34 p. (Lektsii po ekonomike sviazi)

Calculating the optimal distribution of the size of stripping operations according to years with the use of linear programming. E. M. Pakhomov, E. G. Saratovskii. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4;50-53 '64.

The dual method for solving the linear programming problem. S. E Lemke. Metod. resh. obshch. zad lin. progr. no. 2,55-85 '63.

First feasible solution to the linear programming problem. J Gass. Metod. resh. obshch. zad. lin. progr. no. 2,47-54 '63.

Generalized simplex method for minimizing linear form under linear inequality restraints. G. B. Dantzig, A. Orden, P. Wolfe. Metod resh. obshch. zad. lin. progr. no. 2 35-46 '63.

"Introduction to linear programming" [in German] by J. Piehler. Reviewed by U. Kh. Malkov. Zhur. vych. mat. i mat. fiz. 4 no. 2;393 Mr-Ap '64.

Linear programming and economic problems. L. B. IUdin. Metod. resh. obshch. zad. lin. progr. no. 2;3-25 '63.

Maximization of a linear function of variables subject to linear inequalities G. B. Dantzig. Metod. resh. obshch. zad. lin progr. no. 2 26-35 '63.

Maximum square. N. T. Khalitov. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15;85-92 '62.

Rogovoi, M. R. [Mathematical methods in planning] Matematicheskie metody v planirovanii. Moskva, Ekonomika, 1964. 118 p. (V pomoshch' ekonomistu i planoviku)

A technique for selecting an artificial variable in the simplex method of linear programming. V. A. Mash. Zhur. vych. mat. i mat. fiz. 4 no. 2;376-379 Mr-Ap '64.

A transportation problem in linear programming K E. Taibekov Vest AN Kazakh SSR 19 no 8 21-31 Ag '63

Using linear programming for the approximate solution of a problem in the control of the movement of an oil-water boundary B. A. Seyfullina Izv. Kazan fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no 15;19-33 '62.

LINK TRAINERS

Link trainer and an airplane. A. Khalutin, A. Kalnin. Av. i kosm. 47 no. 7.55-59 Jl '64

LINOLEIC ACID

Complex lipides. Syntheses of optically active dextrorotatory (natural) and racemic dilinoleoyl-α-lecithins. V. I. Shvets and others. Zhur. ob. khim. 34 no. 6; 1891-1896 Je '64.

LINOLEUM see subdivision under Lugansk

LIPASE

Localization of lipoproteinic lipase in some tissues of white rats. F L. Leites, B L Lempert Dokl AN SSSR 157 no 3 672-673 Jl '64.

LIPID METABOLISM

Changes in protein and lipid metabolism in atherosclerosis and the effect of some therapeutic substances on it. I. M. Gandzha. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;51-55 '63

Effect of some substances on the biosynthesis of cholesterol and the total lipid fraction in the brain of growing rats. M. I. Prokhorova, G. P. Sokolova. Nerv. sist. no. 3;5-11 '62.

Significance of hereditary and environmental factors in the development of hypertension and lipid metabolism disorders, (studies on twins). IA. Ryvkin, L N. Ignatova. Vest. AMN SSSR 18 no. 12;29-34 '63.

LIPIDS

Method for staining lipids with phenol-acetic Sudan III. A. S. Gordeladze. Arkh. pat. 25 no. 10;54-55 '63.

Method of determining the content of total lipids and cholesterol in the aorta of rabbits. N. G. Stroikova, L. V. Ivanova, G. D. Fedorova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;137-139 '63.

Partition chromatography of unsaturated lipids in the form of their π-complexes with silver ions A G Vereshchagin, S. V. Skvortsova Dokl AN SSSR 157 no 3 699-702 Jl '64.

LIPOLYSIS

Changes in the activity of lipolytic enzymes in feeding animal and vegetable fats to rats. F. L. Leites. Vop. pit. 22 no. 6;37-43 N-D '63.

LIPOPROTEINS

Localization of lipoproteinic lipase in some tissues of white rats. F. L. Leites, B. L. Lempert Dokl. AN SSSR 157 no 3;672-673 Jl '64

LIPS—CANCER

Late results of treating cancer of the lower lip with X rays; according to materials of the Leningrad Province Oncological Dispensary. IA. N. Bluvshtein. Vop. onk. 8 no. 10;92-96 '62.

LIQUEFIED PETROLEUM GAS

Plans for supplying liquefied gas to large residential areas. D. A. TSvetkov. Gaz. prom. 8 no. 1;52-53 '63.

Staskevich, N. L., P. B. Miazel's, and D. IA. Vigdorchik. [Handbook on liquefied hydrocarbon gases] Spravochnik po szhizhennym uglevodorodnym gazam. Leningrad, Nedra, 1964. 615 p.

LIQUID CRYSTALS—OPTICAL PROPERTIES

Transparency of liquid crystals. I. G. Chistiakov. Kristallografiia 8 no. 1;79-86 Ja-F '63.

LIQUID FUELS

Burning of drops of fuel in a heated air flow. L. A. Klischko, A. V. Kudriavtsev. PMTF no. 6;80-86 N-D '63.

LIQUID HELIUM

Formation of a macroscopic vortex in rotating liquid helium. D. S. TSakadze. Trudy Inst. fiz. AN Gruz. SSR 9;151-152 '63.

Studying the supercritical oscillatory mode in helium II by the method of second sound damping. R. A. Bablidze. Trudy Inst. fiz. AN Gruz. SSR 9:171-183 '63.

LIQUID LEVEL INDICATORS

Some results of the operation of UDAR-3 radioactive level gauges. A. IA. Beer, P. A. Dubrovskii. Transp. i khran. nefti i nefteprod. no. 4:29-33 '64.

LIQUID METALS

Akademiia nauk SSSR. Institut metallurgii. [Structure and properties of liquid metals] Stroenie i svoistva zhidkikh metallov. Moskva, 1960. 217 p.
(MIU)

Effect of isotope separation during electron transfer in liquid metals. D. K. Belashchenko, G. A. Grigor'ev. Zhur. fiz. khim. 37 no. 4;929 Ap '63.

Molten metals as high-temperature lubricants. M. M. Fialko, A. I. Dintses. Khim i tekh. topl. i masel 9 no. 3;54-58 Mr '64.

Products made of siliconized graphite for the protection of immersion thermocouples during the measuring of temperature of liquid steel N. I Krasotkina. Ogneupory 29 no 5 232-237 '64

LIQUID METALS—ANALYSIS

Effect of oxygen and sulfur on the viscosity of liquid iron. A. A. Romanov, V G Kochegarov Izv. AN SSSR. Met. i gor. delo no. 3;63-68 My-Je '64.

LIQUID METALS—ELECTRIC PROPERTIES

Certain physicochemical properties of melts in the system tin monoxide - silica. D. M. Chizhikov, M. E Volkova, IU. V. TSvetkov. Izv. AN SSSR Met. i gor. delo no. 3;82-90 My-Je '64.

Electric conductivity and specific volume of liquid metals. A. N. Solov'ev PMTF no. 6;153-157 N-D '63.

LIQUID METALS—HYDROGEN CONTENT

Hydrogen behavior in the metal of high capacity and extra high capacity open-hearth furnaces A. M Bigeev and others Izv. vys ucheb zav, chern. met 7 no. 6 44-46 '64

LIQUIDS

Comments on the article by I P. Vyrodov, P. S. Bud'ko, L. V. Derkach "Use of kinetic concepts of liquid structure for determining the sizes of molecules." G. M. Panchenkov. Zhur. fiz. khim. 38 no 3;809-810 Mr '64.

Comments on the kinetic theory of liquids. I. Z. Fisher. Zhur. fiz. khim. 38 no 3;778-780 Mr '64.

Motion of deformed gas bubbles in liquids. V. B. Blakov. Zhur. fiz. khim. 37 no. 4;759-763 Ap '63.

Quadrupole nuclear relaxation of deuterium in liquids. R. K. Mazitov. Dokl. AN SSSR 156 no. 2;418-419 My '64.

LIQUORS—GAUGING AND TESTING

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Determination of moisture in the alcohol, liquor and vodka industries] Opredelenie vlazhnosti v spirtovoi i likero-vodochnoi promyshlennosti. Moskva, 1963. 26 p.
[MICROFILM]

LISICHANSK (LUGANSK PROVINCE)—CHEMICAL INDUSTRIES

Leader of the Ukrainian large-scale chemistry. B. Petrov Komm. Ukr 39 no 1 88-89 Ja '64.

LISTERELLA

Determination of the biochemical properties of Listeria. A. A. Tripolitova. Trudy TomNIIVS 14;89-96 '63

Distribution of Listerella within the organism of mice treated with cortisone in subcutaneous infection M. N. Solov'eva. Trudy TomNIIVS 14;100-102 '63.

LISTERIOSIS

Reproduction of Listeria-induced sepsis in mice following treatment with some corticosteroids in enteral infection. S. B. Trukhmanov. Trudy TomNIIVS 14;97-99 '63.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Leonov, L. M. [Literature and time; selected journalistic articles] Literatura i vremia; izbrannaia publitsistika. [Moskva] Molodaia gvardiia, 1964. 347 p.

Moscow. Akademiia obshchestvennykh nauk. [Problems of modern foreign literature and aesthetics] Voprosy sovremennoi zarubezhnoi literatury i estetiki. Moskva, Izd-vo "Mysl'," 1964. 219 p.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE, COMPARATIVE—RUSSIAN AND BULGARIAN

Zlydnev, V. I. [Russian-Bulgarian literary ties of the 20th century] Russko-bolgarskie literaturnye sviazi XX veka. Moskva, Izd-vo "Nauka," 1964. 218 p.

LITERATURE, COMPARATIVE—RUSSIAN AND FRENCH

Romain Rolland's opinion of Hertzen. A. L. Grigor'ev. Uch. zap. Ped. inst. Gerts. 237;173-184 '63.

LITERATURE AND SCIENCE

Messer, R. D. [Life in science; literary criticism] Zhizn' v nauke; literaturno-kriticheskie ocherki. Moskva, Sovetskii pisatel', 1964. 334 p.

LITHIUM PEROXIDES

Dobrynina, T. A. [Lithium peroxide] Pereksi' litiia. Moskva, Izd-vo "Nauka," 1964. 49 p.

LITHUANIA—AGRICULTURAL RESEARCH

Lithuanian S. S. R. Zemes ukio ekonomikos mokslinio tyrimo institutas. [Collection of essays on scientific and technological information] Mokslines-technines informacijos straipsniu rinkinys. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 72 p. [In Lithuanian]

LITHUANIA—ATHEISM

[Problems of religion and atheism] Religijos ir ateizmo klausimai. Vilnius, Valstybine politines ir moksline lit-ros leidykla, 1963 366 p [In Lithuanian]

LITHUANIA—AUXILIARY POLICE

Cepas, A., and others. [People's voluntary policemen are on guard for order] Liaudies draugovininkai tvarkos sargyboje. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964 46 p [In Lithuanian]

LITHUANIA—CATTLE BREEDING

[illegible] Lithuanian S.S.R. [illegible] 3 66-77 [illegible] Bel [illegible] issl inst zhiv [illegible]

LITHUANIA—CATHOLIC CHURCH

[Problems of religion and atheism] Religijos ir ateizmo klausimai. Vilnius, Valstybine politines ir moksline lit-ros leidykla, 1963 366 p. [In Lithuanian]

LITHUANIA—CHEMICAL INDUSTRIES

Pamanauskas, E. [Chemistry in the service of man] Chemija - zmogaus buiciai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 15 p. [In Lithuanian]

LITHUANIA—COMMUNISM

Butrimiene, A. [Role of social organizations in the large-scale building of communism] Visuomeniniu organizaciju vaidmuo isplestines komunizmo statybos laikotarpiu. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 39 p. [In Lithuanian]

LITHUANIA—COMMUNIST EDUCATION

[In the struggle for the new man] Kovoje uz nauja zmogu. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 236 p. [In Lithuanian]

LITHUANIA—COMMUNIST PARTY

Kirijenka, P. [The red vicar, from the life of Pranas Viliunas] Raudonasis vikaras, iz Prano Viliuno gyvenimo. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 164 p. [In Lithuanian]

LITHUANIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Mass political work; from the experience of rural party organization work] Politinis-masinis darbas, is kaimiskuju partiniu organizaciju darbo patyrimo. Vilnius, Valstybine politines ir mokslines lit-ros leidykla., 1963. 127 p. [In Lithuanian]

LITHUANIA—CROPS AND CLIMATE

Suitability of thermal characteristics of the vegetation period for the division of agroclimatic seasons. J.Tomkus. Trudy AN Lit.SSR.Ser.B no.1:191-199 '64.

LITHUANIA—DANCING

Lingys, J [Little pairs; a wedding dance. Little polka; a Lithuanian folk dance] Poreles; vestuvinis liaudiskas sokis. Polkute, lietuviu liaudies sokis. Vilnius, LTSR kulturos ministerijos liaudies meno rumai, 1963. 50 p. [In Lithuanian]

[Salabanas - the dance of gifts] Dovanu sokis salabanas. Vilnius, Lietuvos TSR Kulturos ministerijos liaudies meno rumai, 1964. 40 p. [In Lithuanian]

LITHUANIA—DANCING—CHILDREN'S DANCES

Respublikine moksleiviu dainu svente, 1964. [Round dance of Junior pioneers; dances and games] Spalluku ratukas, sokiai ir zaidimai. Vilnius, Valstybine grozines lit-ros leidykla. [In Lithuanian]
Vols.1-2. 1963-1964. 2 v. (Repertuaras, nos.1-2)

LITHUANIA—ECONOMIC POLICY

Lithuanian S.S.R. Auksciausioji Taryba. [Verbatim report; tenth session of the Fifth Supreme Soviet of the Lithuanian SSR, January 10-11, 1963] Stenograficheskii otchet; deviataia sessiia Verkhovnogo Soveta Litovskoi SSR (piatogo sozyva) 10-11 ianvaria 1963 g. Vilnius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1963. 170 p.

LITHUANIA—ELECTRICITY IN AGRICULTURE

Respublikine moksline-technine konferencija zemes ukio elektrifikavimo klausimu, Vilnius, 1962. [Problems of the electrification of agriculture; materials] Zemes ukio elektrifikavimo klausimai; medziaga. Vilnius, Lietuvos energetines pramones mokslinetechnine draugija, 1963. 81 p. [In Lithuanian]

LITHUANIA—FREE THOUGHT

Kairiukstis, Jonas. [ABC's of free thought] Laisvosios mintles ABC. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 103 p. [In Lithuanian]

LITHUANIA—INTERNATIONAL EDUCATION

[International education in school; from the experience in school work] Internacionalinis moksleiviu auklejimas mokykloje; is mokyklu darbo patirties. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 100 p. [In Lithuanian]

LITHUANIA—INTERNATIONALISM

Adomaviciute, Stefanija. [Internationalism is the flag of friendship among nations] Internacionalizmas - tautu draugystes veliava. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 105 p. [In Lithuanian]

LITHUANIA—MEDICAL JURISPRUDENCE

Klimka, Alfonsas. [Criminal responsibility for crimes against life and health] Baudziamoji atsakomybe uz nusikaltimus gyvybei ir sveikatai. Vilnius, Leidykla "Mintis," 1964. 25 p. (Liaudies tarejo bibliotekele) [In Lithuanian]

LITHUANIA—MURDER

Klimka, Alfonsas. [Criminal responsibility for crimes against life and health] Baudziamoji atsakomybe uz nusikaltimus gyvybei ir sveikatai. Vilnius, Leidykla "Mintis," 1964. 26 p. (Liaudies tarejo bibliotekele) [In Lithuanian]

LITHUANIA—NAMES, GEOGRAPHICAL

Dainavà is a name of one of the Yatvyag tribes. Jan Otrebski Vop. slav. iaz. no. 7:3-6 '63.

LITHUANIA—NATIONALISM AND SOCIALISM

Zimanas, G. [Premises and conditions of the development of the Lithuanian socialist nation] Lietuviu socialistines nacijos susiformavimo prielaidos ir salygos. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 71 p. [Lithuanian]

LITHUANIA—SAVING AND THRIFT

Ragevicius, Mykolas. [The policy of saving] Ekonomijos rezimas. Vilnius, Leidykla "Mintis," 1964. 35 p. [In Lithuanian]

LITHUANIA—STATE FARMS—ACCOUNTING

Valuzis, Kostas. [Business accounting in the sections of state farms] Apie ukiskaitos organizavima tarybiniu ukiu skyriuose. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 78 p. [In Lithuanian]

LITHUANIA—SWINE—FEEDING AND FEEDS

Effectiveness of biomycin on the fattening of meat-type swine on various feeds L. Luksys Trudy Bel nauch.-issl inst zhiv. 3 287-303 '62.

LITHUANIA—TRADE UNIONS

Cepuliene, Stefa. [Trade-union movement in Lithuania, 1919-1926] Profsajunginis judejimas Lietuvoje (1919-1926 m.). Vilnius, Leidykla "Mintis," 1964. 119 p. [In Lithuanian]

LITHUANIA—UNIVERSITIES AND COLLEGES

Lithuanian S.S.R. Valstybinis aukstojo ir specialiojo vidurinio mokslo komitetas. [Schools of higher education of the Lithuanian S.S.R.] Lietuvos TSR aukstosios mokyklos. Kaunas, Leidykla "Sviesa," 1964. 129 p. [In Lithuanian]

LITHUANIA—VOCATIONAL EDUCATION—CURRICULA

Lithuanian S.S.R. Valstybinis aukstojo ir specialio vidurinio mokslo komitetas. [Technical schools invite you; information for applicants to special high schools] Technikumai kviecia; informacine medziaga stojantiesiems i specialiasias vidurines mokyklas. Kaunas, Valstybine pedagog. lit-ros leidykla, 1963. 94 p. [In Lithuanian]

LITHUANIA—WATER, UNDERGROUND

Natural resources of underground freshwater in the Baltic artesian basin. J.Zekceris. Trudy AN Lit.SSR.Ser.B no.1:201-206 '64.

LITHUANIA—WORLD WAR, 1939-1945

[Here is their true face] Stai ju tikrasis veidas. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 145 p. [In Lithuanian]

LITHUANIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Kashnitskii, I. V., and V. A. Meshcheriakov. [Pages from the struggle] Kovos puslapiai; dokumentine apysaka. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1961. 108 p. [In Lithuanian]
(MH)

LITHUANIAN LANGUAGE—DICTIONARIES—RUSSIAN

Jurevicius, A., and A. Cizas. [Explanatory textile dictionary] Aiskinamasis tekstiles terminu zodynas. Vilnius, Lietuvos TSR Ministru tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas.
Pt.1. 1962. 96 p.

LITHUANIAN LITERATURE—HISTORY AND CRITICISM

Sluckaite, Ausra. [Critical comments] Kritikos strichai. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 98 p. (Pirmoji knyga) [In Lithuanian]

LITHUANIAN POETRY—HISTORY AND CRITICISM

Judelevicius, Dovidas. [Soviet Lithuanian poetry] Tarybine lietuviu poezija. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 51 p. (I pagalba liaudies kulturos universitetams) [In Lithuanian]

LITVAK, ALEKSANDR SAMOILOVICH, 1913-

Aleksandr Samoilovich Litvak; on his 50th birthday and 25th anniversary of his scientific, pedagogical, practical and civic activities. Sud.-med. ekspert 7 no 2:63 Ap-Je '64

LIVER

Cytochemical changes in nerve and liver cells of white rats in hyperthermia [with summary in English]. F. M. Gramenitskii. Arkh. anat., gist. i embr. 44 no. 6 54-61 Je '63.

Fixation and multiplication of the pathogen in the isolated liver of the immune and non-immune body (pathogenesis of recurrence of paratyphoid fever infection following antibiotic therapy) B N Smirnov Vest AMN [illegible] 18 no 8 60-67 '63.

Some destructive and regenerative processes in the liver following starvation. T. A. Zolotaova. Biul. eksp. biol. i med. 56 no. 8:112-115 Ag '63.

LIVER—CIRRHOSIS

Changes in the cholesterol and lecithin amount of blood serum in patients with cholecystitis and liver cirrhosis. V. A. Aladashvili, O. G. Abuladze, L. T. Vasil'eva Soob. AN Gruz SSR 31 no. 3 745-748 S '63

LIVER—DISEASES

Dynamics of fatty dystrophy of the fetal liver under the effect of tetracycline and the process of its reverse development under experimental conditions. A. I. Barkalaia. Pat fiziol i eksp terap 7 no. 6 57-61 N-D '63

LIVER—GLYCOGENIC FUNCTION

Glucose regulation in Botkin's disease in compound therapy with the use of Istisu mineral water. Azerb. med. zhur. 40 no. 10:21-27 O '63.

LIVER—HYDATIDS

Combination of liver echinococcosis with a mediastinal dermoid cyst prolapsed into a hernia of the thoracic wall. Sh U. Aliev. Uch zap Stavr. gos. med inst. 8 222-225 '63

Echinococcosis of the liver. T. K. Nudner and others Uch. zap. Stavr gos. med. inst. 8, 30-48 '63

Rupture of a liver hydatid into the bronchus. D. N. Bliagoev. Uch. zap Stavr. gos med inst. 8 213-216 '63

Subcutaneous fistuloenterostomy in alveolar echinococcosis of the liver. V. A. Sukhov, A. B. Rusakov. Vest khir. 91 no. 10 115 O '63.

LIVER—RADIOGRAPHY

Clinical and X-ray examination of the liver of dogs V K. Khokhlachev, B. S. Kashintsev. Zap. Vor. [illegible] inst. 17 no. 2:241-245 '62

LIVER—SURGERY

Echinococcosis of the liver. T. K. Nudner and others. Uch. zap. Stavr. gos. med. inst. 8:30-48 '63.

Resection of two thirds of the liver in blunt abdominal injury. M. A. Surpina, Vest. khir. 91 no 10 110 114 O '63.

Use of capron and porolon for the reinforcement of hemostatic sutures in the liver; experimental morphologic study. E. N. Meshalkin, A. F. Oberfel'd, L. L. Kapuller. Khirurgiia 40 no. 2:81-86 F '64.

LIVER—WOUNDS AND INJURIES

Avulsion of the gallbladder, lesions of the liver, and the small and large intestine in closed injury. I. A. Movchaniuk. Vest. khir. 91 no. 10:112-113 O '63

Liver injuries complicated by biliary pleurisy. M. A. Kozlov. Vest. khir 91 no. 10:109-110 O '63

LIVER FUNCTION TESTS

Functional state of the liver during a diet consisting of qualitatively different fats in experimental atheromatosis. E. I. Dolidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:177-180 '63.

Functional state of the liver in patients following radical surgery on the stomach. N. N. Kuznetsov, E. A. Pechatnikova. Vest. khir. 91 no. 10:105-107 O '63.

Neurohumoral regulation of the biosynthesis of blood coagulation and anticoagulation factors in the liver. A. A. Markosian, Kh D. Lomazova, L. M. Metal'nikova Pat fiziol. i eksp terap. 7 no. 6:53-57 N-D '63

Oxygen regimen of the liver in severe traumatic shock. S. A. Seleznev. Biul. eksp. biol. i med. 60 no. 8:46-50 Ag '63.

LIVERWORTS see subdivision under Ukraine

LIZARDS

(see also subdivision under Georgia)

Unisexual propagation of reptiles. I. S. Darevskii. Priroda 53 no. 7:45-53 '64.

LOADING AND UNLOADING

[illegible], N. I. [Organization of lumber loading] [illegible] pogruzki lesomaterialov. Moskva, Izd- [illegible] 1964. [illegible]

Methods of loading and stacking reinforced concrete [illegible] A. I. Bulo[illegible]. Transp. stroi. [illegible] '63

[illegible] process of loading machines used in major repairs of bridges. N. A. Na[illegible]. [illegible] AKKH [illegible] 87-[illegible] '62.

[illegible] fertilizers effectively [illegible] 24 [illegible] 39.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Theoretical premises in designing a driveless self-unloader. T. T. Olefirenko Vest sel'khoz. nauki [Kazakh.] 7 no. 2:99-103 F '64

LOBANOV, LEONID GRIGOR'EVICH, 1921-

Lobanov's loftiness. Olesia Kravets'. Sov. voin 46 no. 12:34 Je '64.

LOCAL ANESTHESIA

Changes in the activity of local anesthesia under the influence of the active reaction of the medium. V. M. Samvelian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:17-21 S '63.

Functional state of the vegetative nervous system in premedication with neuroplegic mixtures for local anesthesia. A. A. Gadzhiev, G. A Tagiev Azerb med zhur. 40 no. 10:10-15 O '63

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 7 Jl '64.

LOCATION OF INDUSTRIES see Industries, Location of

LOCKJAW see Tetanus

LOCKS (HYDRAULIC ENGINEERING)

Kanlovskii, B. S., P. L Semenov, and T. E. Freiburg. [Waterways with navigation locks] Shliuzovannye vodnye puti. Moskva, Izd-vo "Transport," 1964. 300 p.

LOCOMOTION, DISORDERED

Effect of aminazine and parsidol on the coordination of movements in cerebral palsy in children. A. L. Lindenbaum. Zhur. nevr. i psikh. 63 no. 7:995-999 '63.

Use of metamysin in cerebral palsy with hyperkinetic syndrome in children. V. N. Shashurina. Zhur. nevr i psikh. 63 no. 7:991-994 '63

LOCUST (TREE) see subdivision under Dnieper Valley; Kuma Valley; Terek Valley

LODGE, HENRY CABOT, 1902-

Henry Cabot Lodge V Petrov Mir. ekon. i mezhdunar otn. no. 6:144-145 '64

LOGARITHMS—TABLES, ETC.

[Five-place tables of logarithms] Piatiznachnye tablitsy logarifmov. Izd. 7. Moskva, Voenizdat, 1964. 194 p.

LOGGING RAILROADS see subdivision under Karelia

LOGGING ROADS see Forest roads

LOGIC

Alekseev, M. N. [Current problems of logic] Aktual'nye problemy logicheskoi nauki. [Moskva] Izd-vo Mosk. univ., 1964. 92 p.

LOGIC, SYMBOLIC AND MATHEMATICAL

Fundamental relations in the analytic theory of propositional calculus. V. V. Chavchanidze. Soob. AN Gruz. SSR 33 no. 1:27-34 Ja '64.

Realizable and complementary logico-arithmetical formulae. N. M Nagornyi. Dokl AN SSSR 157 no. 3:529-531 Jl '64.

LOGICAL POSITIVISM

Llubinskaia, L. N. [Neopositivists are intellectual overseers; criticism of the methodology of neopositivism]] Neopozitivisty - "intelektual'nye nadsmotrshchiki"; kritika metodologii neopozitivizma. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 11)

LOKACHI (UKRAINE)—DRYING APPARATUS

We are putting six tunnel driers into operation. A. Solomanchuk. Sil'. bud 13 no. 7:18 Jl '63.

LOKBATAN OIL FIELD—PETROLEUM PRODUCTION

Analysis of the exploitation of wells with circulation fluid in the Lokbatan region in the Oil Field Adminstration of the Karadag Petroleum Trust. N. N. Nadzhafov. Azerb. neft. khoz. 42 no. 9:27-30 S '63.

LOKSA (HARJU DISTRICT)—WORLD WAR, 1939-1945—NAVAL OPERATIONS

Prisoners from the bottom of the sea. I. Vernik. Sov. voin 44 no. 24:29 D '62.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

M. V. Lomonosov was the initiator and organizer of linguistic research at the Petersburg Academy of Sciences. R. M. TSeitlin. Vop. slav. iaz. no. 7:103-118 '63.

LONDON, EFIM SEMENOVICH, 1869-1939

E. S. London; on the 25th anniversary of his death. A. M. Dubinskii. Vest. LGU 19 no. 9:137-140 '64.

LONGEVITY see subdivision under Siberia; Soviet Far East

LONGICORN BEETLES see subdivision under Rostov Province

LOOMS

Mechanism for reducing the size of pattern cards for the UKR-49 looms. A. A. Arbitan, A. K. Samoilenko. Leh. prom. no. 2,39-40 Ap-Je '64.

LOTOSHNOYE (NOVOSIBIRSK PROVINCE)—HISTORY

Savchenko, S. P. [Lotoshnoye] Lotoshnoe. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1964. 111 p.

LOUDSPEAKERS

Reference sheet. Radio no. 3:57-58 Mr '64.

LOVE

Chekalin, V. I. [Love and the family] Liubov' i sem'ia. Moskva, Politizdat, 1964. 255 p.

LOW TEMPERATURE RESEARCH

Third International Conference on Low-temperature Physics and Technology. R. A. Alikhanov. Atom. energ. 17 no. 1,72-73 Jl '64.

LUBRICATION AND LUBRICANTS

Chertkov, IA. B. [Nonhydrocarbon compounds in petroleum products] Neuglevodorodnye soedineniia v nefteproduktakh. Moskva, Izd-vo "Khimiia," 1964. 226 p.

Classification of antioxidant additives to lubricants based on the nature of their action R. A. Lipshtein, A. IA. Mikhel'son, E. N. Shtern. Khim i tekh. topl. i masel 9 no. 6:48-52 Je '64.

Efficient use of fuels and lubricants is the most important condition for prolonging the life of engines. K. K. Papok. Khim. i tekh. topl. i masel 9 no. 6:1-5 Je '64.

Improving the quality of motor oils from Baku petroleum. A. M. Kuliev and others. Khim. i tekh. topl. i masel 9 no. 6:35-39 Je '64.

Investigating the evaporability of lubricants and greases. V. M. Martynov, N. D. Kuchinskaia. Khim. i tekh. topl. i masel 9 no. 6:57-64 Je '64

Method for determining the molecular weights of lubricant vapors. V. M. Martynov, M. M. Kaulina. Nefteper. i neftekhim. no. 6:21-23 '63.

Molten metals as high-temperature lubricants. M. M Fialko, A. I. Dintses. Khim. i tekh. topl. i masel 9 no. 3:54-58 Mr '64.

Obtaining KhF-12 oil from eastern sour oils. K M Badyshtova, K. K Denisenko, A A. Chesnokov. Nefteper. i neftekhim. no. 7:5-7 '63

Potentiometric method for determining the saponification number in used and recovered oils. A. I. Barkan, G. K. Ziller. Khim. i tekh. topl. i masel 7 no. 10,62-66 O '62.

Starting up consolidated units for the purification of lubricants with phenol. A. L. Chvertkin. Nefteper. i neftekhim. no. 6:3-9 '63.

Technological processes of the regeneration of compressor oils. I. V. Brai. Vest. mashinostr. 44 no. 2:76-78 F '64.

Use of vat residues in the production of lubricant grease N. A Morozov, V P Rubert. Nefteper. i neftekhim. no. 4:22-24 '63

Viscous distillate lubricants from adsorption purification. N. P. Izotova, I. A. Mikhailov, S. Z. Levinson. Khim. i tekh. topl. i masel 9 no. 6:28-34 Je '64.

LUBRICATION AND LUBRICANTS—ADDITIVES

Industrial production of alkyl phenol additives with the use of the KU-2 cation exchanger. Z. A. Bernadiuk and others. Khim. i tekh. topl. i masel 9 no. 3:27-31 Mr '64.

Studying the stability of lubricants containing antioxidants and sulfonate type additives. P. I. Sanin and others. Khim. i tekh. topl. i masel 9 no. 3:62-66 Mr '64.

Using viscous additives to oils. E. G. Semenido. Khim. i tekh. topl. i masel 7 no. 10:52-55 O '62.

LUBRICATION AND LUBRICANTS—TESTING

Effect of the spraying of lubricants on their lubricating capacity. M. D. Bezborod'ko, I. I. Solomenko. Khim. i tekh. topl. i masel 9 no. 5:61-65 My '64.

LUBRICATION AND LUBRICANTS—THERMAL PROPERTIES

Heat conductivity of lubricants and their mixtures. A. K. Abas-zade, A. A. Gylmanov. Azerb. neft. khoz. 43 no. 1:36-38 Ja '64.

LUGANSK—DIESEL LOCOMOTIVES

Relationship between the introduction of equipment and the reduction of labor consumption in the locomotive industry. I. N. Kartashov. Trudy LVMI 1:11-14 '62

LUGANSK—DIESEL LOCOMOTIVES—SPRINGS AND SUSPENSION

Starting principles in selecting parameters of spring suspensions and the methods for calculating free vibrations of the TE7, TE10 diesel locomotives and other locomotives and cars. P. I. Goronovich. Trudy LVMI 1:15-21 '62

LUGANSK—DIESEL LOCOMOTIVES—TRANSMISSION DEVICES

Selecting the type of hydraulic torque converter for high-power hydraulic transmissions of diesel locomotives. IU. G. Kirillov. Trudy LVMI 1:22-31 '62.

LUGANSK—DIESEL LOCOMOTIVES—VIBRATION

Investigation of free vibrations of the TE7 (experimental) and TE10 diesel locomotives in comparison with other spring suspension systems used in cars, electric and diesel locomotives P I Goronovich. Trudy LVMI 1 32-39 '62

LUGANSK—LINOLEUM

New types of Lugansk nitro-linoleum N N. Vasil'ev, I. D Kozlovs'kyi, M. M Vasil'ev., Khim prom. [Ukr] no. 1 76-78 Ja-Mr '63

LUGANSK—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

In creative research N. Minenko Mashinostroitel' no 4 5 Ap '64

LUGANSK—PRODUCTION ENGINEERING

Relationship between the introduction of equipment and the reduction of labor consumption in the locomotive industry. I N Kartashov Trudy LVMI 1 11-14 '62

LUGANSK PROVINCE—CIVIL ENGINEERS—EDUCATION AND TRAINING

Specialists for rural construction. K. Manchenko. Sil'. bud. 13 no. 3:20-21 Mr '63.

LUGANSK PROVINCE—ECONOMICS—STUDY AND TEACHING

The theory of farm management. P. Evteev Komm Ukr 39 no. 1 66-68 Ja '64.

LUGANSK PROVINCE—FARM BUILDINGS

Completely mechanized farm for 1,600 cows. I Korsuns'kyi. Sil' bud 13 no 7 3-4 Jl '63.

LUGANSK PROVINCE—MILKING PARLORS

Our first experience in constructing rotary milking parlors. M. Lytvynchuk. Sil'. bud. 13 no. 3:3-4 Mr '63.

LUMBER

Effect of the dimensions of uncut lumber on the procurement output. V. M. Sytenkov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:120-128 '63.

LUMBER—DRYING

General method of calculating the duration of high-temperature drying of lumber. G. S. Shubin. Der. prom. 13 no. 3:5-9 Mr '64.

Method of determining the moisture of lumber during the process of drying in hot hydrophobic liquids. L. I. Pisareva. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6 106-108 '63.

LUMBER—TRANSPORTATION

(see also subdivision under Northern Dvina River; Perm Province)

Characteristics of the performance of the semiaxial cardan transmission of logging trucks. O. B. Ushakov, Izv. vys. ucheb. zav., les. zhur. 6 no. 6 76-80 '63.

Goncharenko, N. T. [Organization of lumber loading] Organizatsiia pogruzki lesomaterialov. Moskva, Izd-vo Lesnaia promyshlennost', 1964. 147 p.

Roadability and maneuvorability of wheeled tractors in lumber skidding. S. A. Zhilin, L. I. Egorov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6 58-66 '63.

Voronitsyn, K. I. [Improving the technology and technique of logging, lumber transportation, and road construction operations] Sovershenstvovanie tekhnologii i tekhniki lesosechnykh, lesotransportnykh i dorozhno-stroitel'nykh rabot. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 33 p. (Lesoekspluatatsiia)

[MICROFILM]

LUMBER TRADE—TABLES AND READY-RECKONERS

Chernova, V. I. [Tables for accelerated calculations of optimal sizes of softwood timber for intra-Union use] Tablitsy dlia uskorennogo rascheta optimal'nykh posta- [illegible]

Kudriavtsev, K. A. [Average values of taper and volume of round lumber] Velichiny srednego sbega i ob"emov kruglykh lesomaterialov. Ioshkar-Ola, Povolzhskii leso-tekhn. in-t im. M. Gor'kogo, 1962. 20 p.

[MICROFILM]

LUMBERING

(see also subdivision under Siberia, Eastern)

Moscow. Gosudarstvennyi institut po proektirovaniiu lesnogo transporta. [Manual on engineering geological operations in explorations for lumber industry enterprises] Nastavlenie po inzhenerno-geologicheskim rabotam pri izyskaniiakh predpriiatii lesnoi promyshlennosti. Leningrad, 1962. 190 p.

[MICROFILM]

tation in the U.S.S.R. (1946-1962)] Lesopol'zovanie v SSSR (1946-1962 gg.). 2.dop. izd. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 128 p.

Sysoev, E. P. [Forest resources at the service of people] Lesnye bogatstva - na sluzhbu narodu. [Kirov] Kirovskoe knizhnoe izd-vo, 1963. 41 p.

LUMBERING—FINANCE see subdivision under Kostroma Province

LUMBERING—LABOR PRODUCTIVITY

Mamaev, G. T. [Mechanization of production and increasing labor productivity in timber rafting] Mekhanizatsiia proizvodstva i rost proizvoditel'nosti truda na lesosplave. Moskva, Goslesbumizdat, 1963. 136 p.

LUMBERING—MACHINERY

Artamonov, M. D., and IU. V. Mikhailovskii. [The locomobile and diesel engine in lumbering] Lokomobil' i dizel' v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 263 p.

Determining the average power consumption by machines for processing lumber. S.I.Rakhmanov. Izv. vys. ucheb. zav., les. zhur. 6 no.6 51-57 '63.

IAkovlev, L. S. [Means for the overall mechanization of landing operations] Sredstva kompleksnoi mekhanizatsii reidovykh rabot. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu, 1963. 62 p. (Lesoekspluatatsiia)

[MICROFILM]

Inber, F. L., and P. I. Skachkov. [Repair and maintenance of skidding tractors in the felling area] Remontno-profilakticheskoe obsluzhivanie trelevochnykh traktorov na lesoseke. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 95 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo)

Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Mechanization and automation of lumbering; abstracts of research and experimental design papers completed by institutes and designing organizations of the lumbering industry in 1961] Mekhanizatsiia i avtomatizatsiia lesozagotovok; sbornik referatov nauchno-issledovatel'skikh i opytno-konstruktorskikh rabot, vypolnennykh institutami i proektnymi organizatsiiami lesnoi promyshlennosti v 1961 g. Moskva, 1962. 195 p.

[MICROFILM]

Raikhlin, Z. T., Sh. M. Gokhman, and P. A. Zaitsev. [Basic ways of improving the maintenance and repair of lumbering machines] Osnovnye puti sovershenstvovaniia remonta i tekhnicheskogo obsluzhivaniia lesozagotovitel'nykh mashin. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 132 p.

Vorob'ev, I. V., N. K. Gilev, and M. M. Drekhsler. [New limbing machines] Novye suchkoreznye mashiny. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 105 p.

Voronitsyn, K. I. [Improving the technology and technique of logging, lumber transportation, and road construction operations] Sovershenstvovanie tekhnologii i tekhniki lesosechnykh, lesotransportnykh i dorozhno-stroitel'nykh rabot. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 33 p. (Lesoekspluatatsiia)

[MICROFILM]

LUMBERMEN—DISEASES AND HYGIENE see subdivision under Georgia

LUMINESCENCE

Chemiluminescence of the thermal decomposition of hydrogen peroxide in water. G.B.Meluzova. Zhur.fiz. khim. 38 no.3:593-599 Mr '64.

LUNGS—ABSCESS

Acid and alkaline phosphatase activity in the blood serum in cancer and suppurative processes of the lung. O.V. Chernykh. Vop.onk. 10 no.2:24-28 '64.

LUNGS—CANCER

(see also subdivision under Kazakhstan)

Acid and alkaline phosphatase activity in the blood serum in cancer and suppurative processes of the lung. O.V. Chernykh. Vop.onk. 10 no.2:24-28 '64.

Association of lung cancer with esophageal leiomyoma. A.I.Pirogov, A.S.Al'bert. Vop.onk. 10 no.2:115-118 '64.

Characteristics in the clinical course and diagnosis of lung cancer in silicosis patients. B.K.Sharov. Vop. onk. 10 no.2:9-14 '64.

Morphology of precancer changes and of lung cancer induced in rats by intratracheal administration of 9,10-dimethyl-1,2-benzanthracene. L. N. Pylev. Vop.onk. 8 no.10:35-42 '62.

Review of M. I. Glikin's book "Cancer of the lungs." A. V. Grinberg. Vest. rent. i rad. 38 no.3:85-86 My-Je '63.

Separate bronchospirometry in lung cancer patients. N.D.Mar'in. Vop.onk. 10 no.2:14-24 '64.

Classifications of chronic nonspecific pulmonary diseases I. M. Kodolova. Arkh. pat. 25 no.10:3-15 '63.

Climatotherapy in the compound treatment of patients with nonspecific pulmonary diseases. R. S. Baiburina. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:67-71 '62.

Lung diseases of adenoviral nature in Pavlovsk District, Altai Territory. A. F. IAstrebov and others. Trudy TomNIIVS 14:60-64 '63.

LUNGS—DUST DISEASES

Akademiia nauk URSR, Kiev. Respublikanskaia komissia po bor'be s silikozom. Plenum. [Materials of the 14th Plenum of the Republic Commission for the Control of Silicosis] Materialy XIV plenuma. Kiev, Izd-vo Akad. nauk USSR, 1962. 233 p.

Characteristics in the clinical course and diagnosis of lung cancer in silicosis patients. B.K.Sharov. Vop. onk. 10 no.2:9-14 '64.

Velichkovskii, B. T., and B. A. Katsnel'son. [Etiology and pathogenesis of silicosis] Etiologiia i patogenez silikoza. Moskva, Meditsina, 1964. 177 p.

(DNLM)

X-ray and pathomorphological comparisons between cardiac changes in anthracosilicosis. A.I.Nesis and others. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2:50-55 '64.

LUNGS—HYDATIDS

Echinococcosis of the lungs. E S Karashurov and others. Uch. zap. Stavr. gos. med. inst. 8 49-82 '63

Surgeon's technique in the case of evacuated pulmonary echinococcal cysts. S P Mishustin Uch. zap. Stavr. gos. med. inst. 8 188-204 '63.

Topical diagnosis of pulmonary echinococcosis. V.P. Bodulin, E.V.Shkliarevskaia, G A Eromysh'ian Uch. zap. Stavr. gos. med. inst. 8:177-187 '63.

LUNGS—INFARCTION

Treatment of pulmonary infarction with heparin. F.A. Efendiev, N.M.Rzaev. Trudy Inst. klin. i eksper. kard. AN Gruz.SSR 8:395-400 '63.

LUNGS—RADIOGRAPHY

Multiple pneumography in children with poliomyelitis and similar diseases. E.V.Gaevskii. Zhur. nevr. i psikh. 63 no.7:1004-1008 '63.

LUNGS—SURGERY

Case of broncho-esophageal fistula following bilobectomy and thracoplasty. IU. A. Muromskii, N. V. Kolerova. Vest. rent. i rad. 38 no.3:74-75 My-Je '63.

Echinococcosis of the lungs E.S. Karashurov and others Uch. zap. Stavr. gos. med. inst. 8:49-82 '63

Pulmonary leiomyoma; two cases. M.G.Vinner, T.I. Kazak. Vop.onk. 10 no.2:118-121 '64.

Surgeon's technique in the case of evacuated pulmonary echinococcal cysts. S P.Mishustin. Uch. zap. Stavr. gos. med. inst. 8 188-204 '63.

Topical diagnosis of pulmonary echinococcosis. V P. Bodulin, E. V. Shkliarevskaia, G A.Eromysh'ian Uch. zap. Stavr. gos. med. inst. 8 177-187 '63

LUNGS—TUMORS

Histogenesis of pulmonary adenomatosis in sheep. V. M. Mitrofanov. Arkh. pat. 25 no.10:46-51 '63.

Pulmonary leiomyoma; two cases. M.G.Vinner, T.I. Kazak. Vop.onk. 10 no.2:118-121 '64.

LUNGWORMS see subdivision under Georgia

LUNS, JOSEPH, 1911-

Joseph Luns. Nov. vrem. 21 no.28:21 Jl '64.

LUPINE

(see also subdivision under Tambov Province)

Bruev, P. K. [300 centners of green bulk and 10.3 centners of lupine seed per hectare] Liupin - 300 tsentnero zelenoi massy, 10,3 tsentnera semian. [Smolensk, Smolenskoe knizhnoe izd-vo, n.d.] 28 p. (Propashnoi sisteme - vysokuiu agrotekhniku)

(DNAL)

Forage lupine as the most important source of protein in animal husbandry E. D. Nagorskaia. Trudy Bel nauch.-issl. inst. zhiv. 3 210-218 '62

LUPINE AS FEED

Nagorskaia, E. D. [Lupine with low alkaloid content in the feeding of farm animals] Maloalkaloidnyi liupin v kormlenii sel'skokhoziaistvennykh zhivotnykh. Minsk, Izd-vo "Urozhai," 1964. 219 p.

(DNAL)

LUTIDINE

New method of separating 2,5-dimethylpyridine (2,5-lutidine) from coal tar. E. M. Gepshtein. Zhur. prikl. khim. 37 no.5:1162-1165 My '64.

LVOV—ENGRAVINGS

Engravings of the Lvov Soviet artists, 1939-1959. Z. M. TSaryk. Mat. z etn. ta mystetstvoznav. no.6:105-124 '61.

LVOV—INDUSTRIES

Soviet and reliable! N. Khorunzhii. Sov. voin 44 no.24:26-27 D '62.

LVOV ECONOMIC REGION—ACCOUNTING

Shestakov, V. V., and A. L. Stepaniuk. [Accounting in firms] Bukhgalterskii uchet v firmakh. Moskva, Izd-vo "Finansy," 1964. 64 p.

L'VOV FAMILY

People of fine spirit. E. Avdeev. Sov. voin 46 no.11:13 Je '64.

LVOV PROVINCE—POTTERY

Folk pottery of the Lvov Province K. I. Mateiko. Mat. z etn. ta mystetstvoznav. no.6:35-44 '61.

LVOV-VOLYN' BASIN—COAL

Utilization of Lvov-Volyn' Basin coals as fuel and source of chemicals. E. T Bazeev, S M Belokon', V V. Kormyshev. Khim. i tekh. topl. i masel 9 no.3:41-44 Mr '64.

LVOV-VOLYN' BASIN—MINE VENTILATION

Renovation of mine ventilation at the Mezhrechenskoe deposit in the Lvov-Volyn Basin V. I. Kravets, V. F. Seledtsov. Ugol' Ukr 8 no.4:13-15 Ap '64.

LVOV-VOLYN' BASIN—QUARTZ

Presence of free quartz in the rocks of a producing layer in the Carboniferous deposits of the Lvov-Volyn coal basin. IA.P.Plaksa. Dop.AN URSR no.6:814-818 '63.

LYMPHATICS

Effect of hypothermia on vascular permeability and lymph circulation. L. P. Musatova, A. N. Dankova. Izv. AN Kazakh SSR. Ser. med. nauk no.1:11-15 '64.

Evaluation of the results obtained by the method of perfusion of the lymphatic vessels. I. A. Potapov. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:3-10 '64.

Mechanism of the change in lymph circulation due to the stimulation of the receptors of the emunctory organs. Report No 7. R.S. Vasil'chenko and others. Izv. AN Kazakh SSR. Ser. med. nauk no.1:16-24 '64.

Participation of the lymphatic vessels in the lymph flow changes caused by some interoceptive stimulations. A.N.Dankova, I.A.Potapov. Izv.AN Kazakh.SSR.Ser. med.nauk 11 no.2:22-26 '64.

LYMPHATICS—INNERVATION

Effect of reflexes from the receptors of the lymphatic system on diuresis. L.P.Musatova, I.A.Potapov. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2:17-21 '64.

Reflex influences from the stomach on the lymph circulation in ontogenesis I. A. Beremzhanova Vest AN Kazakh SSR 19 no.5 51-54 My '63.

LYMPHATICS—LIGATURE

Experimental reactive changes in nervous elements of the large intestine. G. I. Larionova. Trudy SMI 15:164-171 '62.

Reactive changes in the nervous elements of Auerbach's plexus of the small intestine in lymphostasis. M.I. Eliseeva. Trudy SMI 15:154-163 '62.

LYMPHEDEMA

Elephantiasis of the lower extremities with retrograde flow of the chylous fluid. A. N. Retvinskii. Vest. khir 91 no.10 122-124 O '63.

LYMPHOID TISSUE—TRANSPLANTATION

Mechanism of antibody production by lymphoid tissue. A N Gordienko, B. A. Saakov, A. I. Poliak. Pat. fiziol i eksp. terap. 7 no.6 24-27 N-D '63.

LYMPHOMA

Cystic lymphangioma of the mediastinum. L. K. Reliz. Vop. onk. 8 no.10:73-78 '62.

LYOPHILIZATION

Reconstructive operations of the trachea and bronchi. G.E.Ostroverkhov, N.S.Zheltikov. Khirurgiia 40 no.2:103-110 F '64.

LYSINE AS FEED

Lysine and swine feeding. V.G.Riadchikov. Izv.TSKHA no.5:148-165 '63.

LYSOZYME

Mystery of lysozyme. V.I.Maksimov. Priroda 53 no.7:39-44 '64.

Some lysozymes of animal origin. N. V. Vasil'ev, I. B. Shternberg, G. A. Trukhachev. Trudy TomNIIVS 14:270-273 '63.

MACARONI

Effect of pressure and moisture on the volumetric weight of macaroni dough. K. P. Gus'kov, IU. A. Machikhin. Khleb. i kond. prom. 6 no.7:16-17 Jl '62.

Use of the electric VE-2 moisture meter for determining moisture content of macaroni products. S. A. Mukhina. Khleb. i kond. prom. 6 no.7:36-37 Jl '62.

MACHADO, GUSTAVO, 1899-

Gustavo Machado Nov. vrem. 21 no. 26:9 Je '64.

MACHINE ACCOUNTING

Accounting centralization and machine accounting in public institutions. E. Dedkov. Fin. SSSR 38 no. 7: 17-21 Jl '64.

Use accounting machines more efficiently N Polovnev, V. Rakov, I Ban'kovskii Den i kred 22 no 7 56-59 Jl '64

MACHINE PARTS

Razumov, IU. A., and N. A. Artem'ev. [Bending parts with universal dies in conditions of short-run production] Gibka detalei na universal'nykh shtampakh v usloviiakh melkoseriinogo proizvodstva. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 3)

Shannikov, V. M., N. D. Moskalev, and K. N. Kan. [Strength calculations for parts made of thermosetting plastics with thread and metal reinforcement] Raschety na prochnost' detalei iz termoreaktivnykh plastmass s rez'boi i metallicheskoi armaturoi. Leningrad, 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii, no. 3)

Shashin, M. IA. [Effect of a hardened layer on increasing the durability of machine parts] Vliianie uprochnennogo sloia na povyshenie dolgovechnosti detalei mashin. Leningrad, 1964. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 2)

Volskii, N. I., ed. [Theory of mechanisms and machines and machine parts] Teoriia mekhanizmov i mashin i detali mashin. [By] N. I. Volskii i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 820 p.

MACHINE PARTS—DRAWINGS

Coding information for machine-part drawings. L. B. Beliakova. Trudy Proek., tekh. i nauch.-issl. inst no 2.29-50 '63

Coding system for the drawings of machine parts shaped as bodies of revolution V. D Panov, P. V. Simonov, E. A Vul'fovich. Trudy Proek., tekh i nauch -issl inst. no 2-11-28 '63

MACHINE PARTS—LABORATORY MANUALS

Reshetov, D. N., ed. [Laboratory manual on the course "Machine parts"] Laboratornye raboty po kursu "Detali mashin." [By] D. N. Reshetov i dr. [Moskva] Izd-vo "Vysshaia shkola," 1964. 106 p.

MACHINE PARTS—MAINTENANCE AND REPAIR

Economic efficiency of metal deposition processes. N. P. Sidelev, V. I. Kalganov. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3:92-98 '61.

MACHINE PARTS—WELDING

Economic efficiency in the use of welded structures. N. P. Sidelev, V. N. Sidorenko. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3 17-20 '61.

Problem of inscribed and circumscribed rectangles encountered in the design of welded structures. I. M. Vaisburd. Sbor. st NIITIAZHMASHa Uralmashzavoda no. 3 35-42 '64.

MACHINE-SHOP PRACTICE

Device for knocking out cutters from bushings. V. N. Bortnikov. Mashinostroitel' no. 5:21 My '64.

Device for the displacement of machine tools M. N. Vekker, L. E Nemirovskii Mashinostroitel' no 4:25 Ap '64.

Mechanized gauging of cermet bushings. V. A. Grigor'ev. Mashinostroitel' no. 5:7-8 My '64.

Pads used in the installation of heavy machines and machine tools. Mashinostroenie no. 1:113-114 Ja-F '64.

Universal device designed by K. V. Portnago. I. I. Rodin. Mashinostroitel' no. 5:27 My '64

MACHINE-SHOP PRACTICE—EQUIPMENT AND SUPPLIES

Quality of fitters' hammers. I. V. Trush. Metalloved. i term. obr. met. no. 6.46 Je '64.

MACHINE-TOOL INDUSTRY see subdivision under Kolomna; Sterlitamak

MACHINE TOOLS

Calculation of aerostatic guides. V. A. Makarov. Stan. i instr. 35 no. 5:18-22 My '64.

Machine for rolling a pulley. V. M. Prokopenko. Mashinostroitel' no. 5:29 My '64.

Pulsation-impact power nut setter. A. A. Stoliarov. Mash. i neft. obor. no. 11:7-9 '63.

Skrynnik, V. N. [Design of automatic lines consisting of machine-tool units; survey of foreign engineering] Proektirovanie avtomaticheskikh linii iz agregatnykh stankov; obzor zarubezhnoi tekhniki. Moskva, TSentr. in-t tekhniko-ekon. informatsii, 1962. 98 p.
[MICROFILM]

Utilizing metal-working equipment in the machinery manufacturing of Kazakhstan P. P. Zheltkova and others. Trudy Inst. ekon AN Kazakh. SSR 9.49-58 '63

Voronov, A. L., and I. A. Grebenkin. [Gearboxes of machine tools; kinematic design of gearboxes with a compound structure and connected gear wheels] Korobki peredach metallorezhushchikh stankov; kinematicheskii raschet korobok peredach so slozhennoi strukturoi i sviazannymi zubchatymi kolesami. Moskva, Izd-vo "Mashinostroenie," 1964. 132 p.

MACHINE TOOLS—ATTACHMENTS

Floating center V I Zhukov. Mashinostroitel' no. 4 25 Ap '64

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—DESIGN AND CONSTRUCTION

New specifications for the manufacture of machinery. Biul. stroi. tekh. 21 no 1 18-20 Ja '64

Putrikevich, L. F. [Manual for the preparation of course projects on machine tools; textbook for students of the departments of mechanical engineering specializing in "Technology of machine manufacture, machine tools and metal cutting tools"] Rukovodstvo po kursovomu proektirovaniiu metallorezhushchikh stankov; metodicheskoe posobie dlia studentov mashinostroitel'nogo fakul'teta vuzov po spetsial'nosti "Tekhnologiia mashinostroeniia, stanki i instrumenty. Pod red. M. IU. Pikusa. Minsk, Izd-vo "Vysshaia shkola," 1963. 56 p.

MACHINE TOOLS—VIBRATION

Criteria of the resistance to vibration of a technological system. A. S. Kondratov, B. P. Barmin. Vest. mashinostr. 44 no. 2:58-61 F '64.

MACHINE TRANSLATING

Konferentsiia po obrabotke informatsii, mashinomu perevodu i avtomaticheskomu chteniiu teksta. Moskva, 1961. [Computer and information techniques] Vychislitel'naia i informatsionnaia tekhnika, sbornik materialov. Moskva, Vses. in-t nauchnoi i tekhn. informatsii Akad. nauk SSSR, 1962. 220 p.
[MICROFILM]

Operator programming of the algorithm of a synthesis of the Georgian language. TS. T. Tarkashvili. Trudy Inst. fiz. AN Gruz. SSR 9:211-230 '63.

Structure of a dictionary for machine translation from the Georgian language. Dzh. G. Antidze Soob. AN Gruz. SSR 31 no. 2:271-276 Ag '63.

MACHINERY

Selection of the angle between bearing rollers of cylindrical thin-walled elements of machinery. B. B. Vasil'ev. Vest. mashinostr. 44 no. 2:23-25 F '64.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i raschch. det. mash. no. 7 Jl '64.

[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostr. nos. 6-7 Je-Jl '64.

MACHINERY—DESIGN AND CONSTRUCTION

Reduced throw. L. I. Kremenshtein. Izv. vys. ucheb. zav.; tekh. leg. prom. no 6:104-108 '63.

[Tons of nonferrous metals have been found; articles on the saving of nonferrous metals] Naidony tonny tsvetnykh metallov. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 75 p. (Rezervy proizvodstva — v deistvie)
[MICROFILM]

MACHINERY—FOUNDATIONS

Savinov, O. A. [Present-day structures for the foundations of machinery and their calculation; a manual for designers] Sovremennye konstruktsii fundamentov pod mashiny i ikh raschet; posobie dlia proektirovshchikov. Leningrad, Mashinostroenie, 1964. 345 p.

Vibration analysis of foundations of precision equipment. M. M. Klattso. Osn., fund. i mekh. grun. 6 no. 3:22-25 '64.

MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Kazakhstan)

The repair of equipment should be conducted on industrial bases. B. Berezin and others. Plan. khoz. 41 no. 7:76-82 Jl '64.

MACHINERY—RELIABILITY

Selivanov, A. I. [Fundamentals of the theory of the aging of machinery] Osnovy teorii stareniia mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 403 p.

MACHINERY—TRANSMISSION DEVICES

Theory of the losses in a chain speed variator. Report No. 2. V. N. Borovskii, V. P. Serdiuk. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:89-103 '63.

MACHINERY—WELDING

Application of electric slag welding at the Ural Machinery Plant. IU. I. Postovalov. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3.3-16 '64.

MACHINERY, AUTOMATIC

Automatic machine design asymptotically optimal in a stationary casual medium. V A. Ponomarev. Biofizika 9 no 1:104-110 '64

Effect of the kinematic locking of cam mechanisms on the operative efficiency of automatic machines. B. E. Gorskii, IA. L. Cherniavskii. Izv. vys. ucheb. zav., tekh. leg. prom. no. 6:114-122 '63.

MACHINERY, KINEMATICS OF

Determining dynamic forces occurring during the starting of closed circuits. V. F. Stolianchuk. Izv. vys. ucheb. zav., mashinostr. no. 3:72-78 '64.

Theory of the analytical calculation of the kinematic and geometric parameters of the separation of cuttings from the massif by the cutters of a disk-type actuating mechanism of mining machinery. V. G. Ungefug. Nauch. trudy KNIUI no. 11:35-81 '62.

MACHINERY INDUSTRY
(see also subdivision under Alma-Ata; Orenburg; Ukraine; Virgin Territory)

Announcements Vnesh torg. 44 no. 5:66-00 '64.

Brief handbook on materials used in the manufacture of machinery N TSikurin Mashinostroitel' no 4 43 Ap '64

Efficiency of the use of plastic materials in the machinery industry. N. F. Bychenok. Mashinostroenie no. 1:10-12 Ja-F '64.

New polymer material for the machinery industry. V. P. Ivashkevich, V. N. Kestel'man. Mashinostroenie no. 1: 17-18 Ja-F '64.

Objectives of the machinery industry in 1964-1965. K. K. Vinogradov. Vest. mashinostr. 44 no. 2:3-6 F '64.

Popilov, L. IA., ed. [New materials in machinery manufacture] Novye materialy v mashinostroenii. Moskva, Mashinostroenie, 1964. 303 p.

Precision in measuring lengths and angles in the manufacture of machinery M. G Boguslavskii, L. K. Kaiak. Izm. tekh no. 4 26-28 Ap '64.

Shmelev, B. G. [Economic calculations where specialization in the manufacturing of parts is in effect] Ekonomicheskie raschety pri podetal'noi spetsializatsii. Moskva, Izd-vo "Mashinostroenie," 1964. 106 p. (Novoe v ekonomike i organizatsii proizvodstva, no. 3)

Toward new achievements to the glory of our native country. Mashinostroitel' no 5:1 My '64

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog i org proizv. v mashinostr. no. 7 Jl '64.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—COSTS

Economic efficiency of metal deposition processes. N. P. Sidelev, V. I. Kalganov. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3:92-98 '64.

There is a need for changing present methods for calculating production costs. V. A. Filippova. Vest. mashinostr. 44 no. 2:73-76 F '64.

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Kazakhstan; Latvia

MACHINERY INDUSTRY—FINANCE

L'vov, D. S. [Economic efficiency of machines and technological processes] Ekonomichnost' mashin i protsessov. Moskva, Izd-vo "Mashinostroenie," 1964. 188 p.

MACHINERY INDUSTRY—MANAGEMENT

Collective forms of labor organization. A. Mirgaleev. Mashinostroitel' no. 4 2-3 Ap '64

MACHINERY INDUSTRY—PRODUCTION STANDARDS

Voskresenskii, B. V., and R. G. Manilovskii. [Production capacity of a machinery plant] Proizvodstvennaia moshchnost' mashinostroitel'nogo zavoda. Moskva, Izd-vo "Mashinostroenie," 1964. 271 p.

MACHINERY INDUSTRY—SAFETY MEASURES

Menshchikov, I. I. [Electrical safety measures in the machinery industry] Elektrobezopasnost' v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 186 p.

MACHINERY INDUSTRY—STANDARDS

[Index of standards for the machinery industry for 1964; in effect as of January 1, 1964] Ukazatel' normalei mashinostroeniia 1964; po sostoianiiu na 1 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 389 p.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Kokchetav; Lugansk

MACHINERY INDUSTRY WORKERS—DISEASES AND HYGIENE

Incidence of disease and the temporary loss of the working capacity of women employed in foundries of machine manufacturing plants. Z. M. Mel'nikova. Zdrav. Ros. Feder. 8 no. 5:6-10 My '64.

MACROMOLECULAR COMPOUNDS

Current state and prospects of the use of high molecular-weight compounds in pharmacy [with summary in English]. B. N. Stepanenko, IU. A. Blagovidova, O. I. Belova. Apt. delo 12 no. 2:3-15 Mr-Ap '63.

MA[illegible] (Continued)

[illegible] statistically regu[illegible] the thermal properties [illegible] characte[illegible] Soob. AN Gruz SSR [illegible]

MA[illegible] COMPOUNDS—OPTICAL PROPER-TIES

[illegible]

MA[illegible]—GOLD MINES AND MINING

[illegible] of mine construction in [illegible] Abrazarov, V G [illegible]

MA[illegible]M

[illegible] 6 731-[illegible]

MAGNESIUM—CORROSION

[illegible] the weight increase of the oxide film and the amount of [illegible] evolved in the atmospheric [illegible] of magnesium. I I [illegible], O M Rafalovich [illegible] 31 no 5 1133-1201 Je '62

MAGNESIUM—ELECTROMETALLURGY

[illegible], M A [Preparation of magnesium and chlo-rine by the electrolysis of fused magnesium chloride] Pr[illegible] elektrolizom rasplavlen-nogo khloristogo magniia Moskva, Izd-vo Metallurgiia, 1964 124 p

MAGNESIUM ALLOYS—CORROSION

T[illegible], M.A. [Corrosion of magnesium alloys and their protection] Korroziia i zashchita magnevykh splavov. Moskva, Mashinostroenie, 1964. 285 p.

MAGNESIUM-CADMIUM ALLOYS—METALLOGRAPHY

[illegible] magnesium-cadmium alloys [illegible] a, V.D Melikho., A [illegible] for met no 6 [illegible]

MAGNESIUM CHLORIDE

[illegible] isotopes in the system magne-[illegible] of $MgCl_2$ A.V. [illegible] Zhur.fiz khim 37 no.4; [illegible]

MAGNESIUM ISOTOPES

[illegible] magnesium isotopes in the system magne-[illegible] solution of $MgCl_2$. A.V. [illegible] Zhur fiz.khim. 37 no.4; [illegible]

MAGNESIUM NITRATE

Production of magnesium nitrate by treating serpentinite with nitrous vapors V M Kakabadze, Z G Nikolaish-vili, N.G. Mshvenieradze Soob. AN Gruz SSR 31 no 2 319 Ag '63

MAGNESIUM ORGANIC COMPOUNDS

D 1 3-Dioxolane ring opening by organomagnesium compounds M F Shostakovskii, A.S.Atavin, B A. Trofimov Zhur ob khim 34 no 6,2088-2089 Je '64

Substituted hydrazides of hydroxycarboxylic acids. Part 13 Reaction of α-thienylmagnesium iodide with aryl hydrazide oxalates. I.S Berdinskii Zhur.ob. khim 34 no 6:1773-1777 Je '64.

MAGNESIUM OXIDES—SPECTRA

Spectral characteristics of materials used in actinometric instrument manufacture L. B. Krasil'shchikov, G P. [illegible] Trudy GGO no, 152 163-171 '64.

MAGNESIUM OXIDES—THERMAL PROPERTIES

Thermal stability of products made of oxides O M Margulis A V Stoetur Ogneupory 29 no 5 206-209 '64

MAGNETIC AMPLIFIERS

Increasing the response time of a magnetic amplifier with d.c output and inductive load. O. N Mel'nikov Elektrichestvo no. 6:56-62 Je '64

Networks of high-speed phase-sensitive magnetic ampli-fiers V G Antoshin Sbor nauch trud KGRI no 21 234-239 '63

Pashentsev, I.D., and V. R. Kamovskii. [Transistor-ized magnetic amplifier for transducers controlling the parameters of automatic control processes] Magnito-poluprovodnikovyi usilitel' dlia datchikov, kontroliruiu-shchikh parametry protsessov avtomaticheskogo regu-lirovaniia. Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pere-dovym opytom. Seriia: Pribory i elementy avtomatiki, no. 2)

Theory of magnetic amplifiers based on their representa-tion by four-terminal networks. L. V. Safris. Sbor. nauch.trud. RIIZHT no.36:10-33 '62.

MAGNETIC ANOMALIES

Geographic distribution of radiation intensity in the region of the Brazilian magnetic anomaly at an altitude of about 300 km. S.N.Vernov and others. Kosm.issl 2 no 3 485-491 My-Je '64.

Study of the earth's radiation belts in the region of the Brazilian magnetic anomaly at altitudes between 235 and 345 km. S.N Vernov and others. Kosm.issl. 2 no 3:492-497 My-Je '64.

MAGNETIC CIRCUITS

Analytical determination of the magnetic characteristics of a core with nonsinusoidal induction. V.M.Bladyko, M.Z.Zgirovskii Izv.vys.ucheb.zav., energ. 7 no.5: 110-114 My '64.

Calculation of magnetic systems with horn-shaped mag-nets A.IA Sochnev Trudy NIITVCH no 1/2 127-139 '60

MAGNETIC FIELDS

Changes in the unipolar conductivity of germanium diodes under the influence of an external magnetic field. H.,P,Maslov, L.B.Prelzer. Pratsi Od.un. 150 Zbir. stud.rob. no.6:93-95 '60.

Electric and thermal properties of indium antimonide in a magnetic field. G.Veiss. Izv.AN SSSR,Ser.fiz. 28 no.6 969-976 Je '64.

Injection of an electron beam into plasma in a strong magnetic field I E Sakharov, I F Liventseva Radio-tekh i elektron 9 no 5 838-843 My '64

Interaction between an expanding plasma filament and an external magnetic field. V.I.IAkovlev. PMTF no.6: 141-143 N-D '63.

Magnetic field inside a cylinder with a rotating external radial field [with summary in English]. R.S. Kuznetskii. Ukr.fiz.zhur. 9 no.2.210-213 F '64.

Retardation of and energy transformations in a plasma expanding in a vacuum in the presence of a magnetic field. IU.P.Raizer. PMTF no.6:19-28 N-D '63

Single-fluid equations of the dynamics of a partially ionized gas in a high magnetic field. E.G.Sakhnovskii. Prikl.mat.i mekh. 28 no.3;474-482 My-Je '64

Solenoid in a uniform magnetic field S P.Kapitsa. Elektron bol'sh moshch. no.2 109-118 '63.

Theory of the rotation of a cylindrical plasma pillar in a longitudinal magnetic field E I Urazakov Radio-tekh i elektron 9 no.4:735-740 Ap '64.

Transmission of energy through a conducting shield in a varying magnetic field. G.L.Zelenin. Trudy NIITVCH no.1/2 24-34 '60

MAGNETIC MATERIALS

A new high coercive alloy for permanent magnets. A.A. Shekalov, A.A Korsak. Trudy NIITVCH no.4 82-96 '63

Ordering of ferromagnetic alloys with a Fe_3Al type crystal lattice. D.R.Rizdv'ianets'kyi. Ukr.fiz.zhur. 9 no.2,218-220 F '64.

MAGNETIC MEASUREMENTS

Accurate measurements of magnetic magnitudes in science and engineering. N.V Studentsov, N.G Chernysheva, E N Chechurina. Izm.tekh. no.4 46-49 Ap '64

Device for determining the polarity of constant magnetic fields. G.B.Solov'ev. Prom.energ. 19 no.6:16 Je '64.

MAGNETIC RECORDERS AND RECORDING

Sound recording with variable pitch. G.Vasil'ev Radio no.3:43-44 Mr '64.

MAGNETIC SEPARATION OF ORES

Magnetic treatment of chromite ores with preliminary roasting. N V.Fedorenko and others. Izv.AN SSSR, Met.i gor.delo no.3:182-188 My-Je '64.

MAGNETISM, TERRESTRIAL

Analytic representation of the earth's magnetic field in an orbital coordinate system. A.D.Shevnin. Kosm. issl. 2 no.3:478-484 My-Je '64.

Tiapkin, K.F., and G.IA.Golizdra. [Brief review of present-day methods for weakening the regional back-ground level of gravitation and magnetic fields] Kratkii obzor sovremennykh metodov oslableniia regional'nogo fona gravitatsionnogo i magnitnogo polei. Moskva, Gos. geologicheskii kom-t SSSR, 1963. 49 p. [MICROFILM]

MAGNETITE

Activation of magnetite in soap flotation. F.N.Belash, P A.Gontarenko. Sbor.nauch.trud.KGRI no.21:236-239 '63.

MAGNETOHYDRODYNAMICS

Nonresonance methods for the demagnetization and magnetic reversal of nuclei in a flowing liquid. G.D. Latyshev, A.I.Zhernovoi. Vest AN Kazakh.SSR 19 no.8:32-35 Ag '63.

Some variational problems of the acceleration of a conducting gas in strong magnetic fields. G.M.Bam-Zelikovich. Izv.AN SSSR,Mekh.i mashinostr. no.3: 9-15 My-Je '64.

MAGNETOSTRICTION

Kirenskii, L.V., V.E.Kuznetsov, and V.U.Usatov. [Dynamic magnetostriction of iron] Dinamicheskaia magnitostriktsiia zheleza. [n.p.] Akad.nauk SSSR. Sibirskoe otd-nie. In-t fiziki, 1964. 20 p.

MAGNETRONS

Cathode losses in magnetrons. P.S.Rusin. Elektron bol'sh.moshch. no.2 7-25 '63

Discharge ignition in high vacuum in a cylindrical cold cathode magnetron E M Reikhrudel', E P Shirokov Radiotekh.i elektron. 9 no 4 729-734 Ap '64

Normal coordinates in the theory of closed resonant circuits. L.A.Vainshtein. Elektron bol'sh.moshch. no.2 75-82 '63

Steady operation of a plane magnetron A. A. [illegible] Radiotekh i elektron 9 no 5 [illegible]-893 My '64

MAGNETS

Calculation of magnetic systems with horn-shaped mag-nets. A.IA.Sochnev. Trudy NIITVCH no.1/2 127-139 '60.

Development of methods for increasing the magnetic properties of alloys used in permanent magnets. A.A Shekalov. Trudy NIITVCH no.1/2.140-151 '60

A new high coercive alloy for permanent magnets A.A Shekalov, A.A.Korsak. Trudy NIITVCH no.4 [illegible] '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

Duvakin, V.D. [Happiness forged by a master; essays on the works of V.V.Maiakovskii] Radost', masterom kovannaia; ocherki tvorchestva V.V.Maiakovskogo. Moskva, Sovetskii pisatel', 1964. 442 p.

Some functions of rhythm in the poetry of V. Maiakovskii G.G.Oragvelidze. Soob.AN Gruz.SSR 31 no.1:2[illegible]-240 Jl '63.

MAIZE see Corn (Maize)

MAKAROV, STEPAN OSIPOVICH, 1848-1904

It is interesting to know. Sov.voin 40 no.12:44 Je '64.

MALAWI—ECONOMIC CONDITIONS

Background to Malawi. V.Nilov. Nov.vrem. 21 no.27 18-19 Je '64.

MALAWI—POLITICS AND GOVERNMENT

Background to Malawi. V.Nilov. Nov.vrem. 21 no.27 18-19 Je '64.

MALI—FINANCE

The credit and money system of the Republic of Mali L.Kubyshkina Den.i kred. 22 no.6:75-81 Je '64

MALINOVSKII, ALEKSANDR ALEKSANDROVICH, 1873-1928

Creator of the first blood transfusion institute in the world, on the 90th anniversary of A.A.Bogdanov's birth Vest.AMN SSSR 18 no 11:77-[illegible] '63

MALONIC ACID

Synthesis and transformations of alkoxymethyl alkyl malonic esters. Part 6: Synthesis and some trans-formations of alkoxymethylheptylmalonic esters [illegible] Stepanova, L.IA.Glinskaia. Zhur.ob khim. 34 no 5 1467-1469 My '64.

MAMMALS

Review of the book "Mammals of the U.S.S.R." by I.M. Gromov and others. V.G.Geptner. Zool.zhur. 43 no.5:788-793 '64.

MAMMALS, FOSSIL see subdivision under Zaysan Depression

MAMMARY GLANDS

Cytochemistry of the nucleic acids of mammary glands [with summary in English]. A.A.Turevskii. Arkh. anat.,gist.i embr. 44 no.6:48-53 Je '63.

Role of the bilateral activity of the cerebral hemis-pheres in the regulation of mammary gland function I.I.Grachev. Nerv.sist. no.3:110-118 '62.

MAMMARY GLANDS—TUMORS

Transplantation of "radiation" tumors of mammary glands in rats. V.I.Ponomar'kov. Biul.eksp.biol.i med. 56 no.8:85-88 Ag '63.

MAN—INFLUENCE OF ENVIRONMENT

Significance of hereditary and environmental factors in the development of hypertension and lipid metabolism disorders; (studies on twins). IA.Ryvkin, L.N. Ignatova. Vest.AMN SSSR 18 no.12:29-34 '63.

MAN, PREHISTORIC see subdivision under Chukchi Peninsula; Ust'-Belaya (Magadan Province)

MANDINGO LANGUAGE—GRAMMAR

Tokarskaia, V.P. [The Malinke language (Mandingo)] IAzyk malinke (mandingo). Moskva, Izd-vo "Nauka," 1964. 46 p. (IAzyki narodov Azii i Afriki)

Examination of some representatives of the Compositae family for manganese and carotene content [with summary in English]. N. I. Grinkevich, N S. Ignat'eva, L. N. Safronich. Apt. delo 12 no. 2:38-40 Mr-Ap '63.

Kinetics of oxidation of a bivalent manganese ion under the effect of a mixed cobalt-copper catalyst. K. A. Abashidze. Soob. AN Gruz. SSR 34 no. 1 61-66 Ap '64.

MANGANESE—ELECTROMETALLURGY

Amalgram polarography of manganese. K Zh Sagadieva, M T Kozlovskii Vest AN Kazakh SSR 19 no 5 85-87 My '63

MANGANESE COMPOUNDS

Chloromethylcyclopentadienylmanganese tricarbonyl. A N. Nesmeianov, K. N Anisimov, Z. P. Valueva Dokl AN SSSR 157 no. 3 622-625 Jl '64

MANGANESE MINES AND MINING—EQUIPMENT AND SUPPLIES see subdivision under Donets Basin

MANGANESE-NICKEL ALLOYS see Nickel-manganese alloys

MANGYSHLAK PENINSULA—CHILDREN—NUTRITION

Availability of vitamin C for rural schoolchildren on the Mangyshlak Peninsula in the spring. I. A. Simin-Severskaia. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2: 56-58 '64.

MANGYSHLAK PENINSULA—FLAMINGOS

Flamingo on the southern Mangyshlak Peninsula. A. V. Molodovskii. Zool. zhur. 42 no. 12:1885-1886 '63.

MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY

Develop the Mangyshlak resources faster. A. Atchibaev. Nar. khoz. Kazakh. 22 no. 3:45-46 Mr '64.

MANGYSHLAK PENINSULA—SCARABAEIDAE

Larvae of two species of Scarabaeidae (Coleoptera) from the Mangyshlak Peninsula. I. N. Skopina. Zool. zhur. 43 no. 5:772-773 '64.

MAN'KOVSKII, BORIS NIKITICH, 1883-1962

Boris Nikitich Man'kovskii; an obituary. Zhur. nevr. i psikh. 63 no. 7.1117-1118 '63.

MANNA GRASS

Improvement of hayfields with Puccinellia distans L. as dominant grass on saline lands. A. F. Ugriumov. Trudy TSSBS no. 6:425-429 '63.

MANNED SPACE FLIGHT

Conjecture about the nature of the luminous particles observed by astronauts. A. I. Lazarev. Dokl. AN SSSR 156 no. 2:306-307 My '64.

MANNICH BASES

Alkylation of aniline by Mannich bases. G I Denis, L. V. Chekuolene, P. F Butskus Zhur. ob. khim 34 no. 5. 1638-1639 My '64.

Investigating inner-complex compounds of a number of cations formed by Mannich bases. E. P. Trailina, I. A. Savich, V. I Spitsyn Trudy LVMI 1·138-142 '62

MANNICH REACTION

Synthesis of carbonyl monomers based on Mannich reaction. Part 5 Synthesis of pentadienals. G. S Mironov, M. I. Farberov, I. I. Bespalova Zhur ob khim. 34 no 5:1642-1645 My '64.

MANNITOL

Determination of the surface energy of mannitol and codeine in the solid state. A. S. Mikulich. Krist. zhid. no. 2:32-34 '63.

MANOMETER

Investigating gas wells with a DGM-4 differential depth manometer. M. M. Kashparov, B. A. Nanikov. Gaz. delo no. 4:11-14 '64

Manometer with a strain gauge. A. Sh. Katsnel'son. Izm. tekh. no. 5:18-19 My '64.

New precision PGM-1 manometer. M. M. Ivanov, I. A. Fakhreev. Mash. i neft. obor. no. 1:36-38 '64.

MANUAL TRAINING

Aid for the industrial training teachers. A. Dmitriev, P. Lednev. Shkola i proizv. 6 no. 5:90 My '64.

Production training practice of grade 5-7 students. D. M. Tarnopol's'kyi. Rad. shk. 43 no. 5:90-92 My '64.

Use of books in manual training classes. I. V. Rozdobud'ko. Shkola i proizv. 6 no. 5:50-52 My '64.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur.: Kommun., byt. i torg. obor. no. 7 Jl '64.

[Light industry] Ref. zhur.: Leg. prom. no. 6 Je '64.

Avtorskii ukazatel' za 1963 g.

MANUSCRIPTS

Working with the manuscript collection of the Central Reference Library of the All-Union Research Institute of Cotton Growing. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1:37-39 '58.

MARAL—PARASITES see Parasites—Maral

MARIINSK CANAL SYSTEM see Volga-Baltic Sea Waterway

MARINE ECOLOGY

Polikarpov, G. G. [Radioecology of marine organisms; accumulation and biological effect of radioactive substances] Radioekologiia morskikh organizmov, nakoplenie i biologicheskoe deistvie radioaktivnykh veshchestv. Pod red. V. P. Shvedova. Moskva, Atomizdat, 1964. 294 p.

MARINE ECOLOGY—CONGRESSES

Symposium on the ecology and paleoecology of marine organisms. A. A. Shevyrev. Paleont. zhur. no. 2: 164-166 '64.

MARINE ENGINEERING

Bendik, P. I., and A. M. Lapidea. [Automatic control and measuring equipment on ships] Sudovye kontrol'no-izmeritel'nye pribory. Moskva, Voenizdat, 1964. 271 p.

MARINE ENGINEERS

Marine engineers. G. Drobyshev. Tekh. i vooruzh. no. 6:6-11 Je '64.

MARINE ENGINES

Megrabov, G. A. [Methods of constructing and straightening the broken axis of crankshafts in marine internal combustion engines by measured slits] Metody postroeniia i vypriamleniia izlomannykh osei kolenchatykh valov sudovykh dvigatelei vnutrennego sgoraniia po zamerennym raskepam. Moskva, Transport, 1964. 73 p. (Bibliotechka sudovogo mekhanika morskogo flota)

MARINE FAUNA see subdivision under Andaman Sea; Barents Sea; Bengal, Bay of; Chupa Inlet; Indian Ocean

MARINE FOULING

(see also subdivision under Azov, Sea of; Baltic Sea; Black Sea; Caspian Sea; Gelendzhik Bay; Krasnodar Territory; Taganrog Bay; White Sea)

Depolarization role of some sulfate reducing and saprophyte bacteria in the electrochemical corrosion of stainless and carbon steels. L. A. Rozenberg. Trudy Inst. okean. 70.231-245 '63.

Fouling on industrial water pipelines in our southern seas and some methods of controlling it. I. V. Starostin. Trudy Inst okean. 70 101-123 '63.

Influence of algae on the corrosion of carbon steel in sea water and the effect of ultrasonic vibrations on the intensity of photosynthesis of algae. I. B. Ulanovskii, A. D. Gerasimenko. Trudy Inst. okean. 70:246-251 '63.

MARINE MICROBIOLOGY

(see also subdivision under Gelendzhik Bay)

Depolarization role of some sulfate reducing and saprophyte bacteria in the electrochemical corrosion of stainless and carbon steels. L. A. Rozenberg. Trudy Inst. okean. 70:231-245 '63.

MARINE SEDIMENTS see subdivision under Andaman Sea; Arabian Sea; Bengal, Bay of; Greenland Sea; Indian Ocean

MARITIME LAW

(see also subdivision under Bulgaria; France; Great Britain; Poland)

Decisions of the Interdepartmental Arbitration Agency of the Ministry of Merchant Marine. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:69-71 '63.

Decisions of the State Arbitration Agency attached to the Council of Mininsters of the U. S. S. R. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:64-67 '63.

Decisions of the State Arbitration Agency attached to the Council of Ministers of the R. S. F. S. R. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:67-68 '63.

In the International Maritime Committee. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:78-80 '63.

Liability of sea ports and railroads for the loss of imported freight arriving in a sealed car. K. I. Aleksandrova. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:3-6 '63.

Maritime conflicts in the practice of arbitration agencies. N. P. Bursa. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:6-11 '63.

Siling, A. N. [Maritime law] Morskoe pravo. Moskva, Izd-vo "Transport," 1964. 164 p.

MARITIME LAW—BIBLIOGRAPHY see Bibliography—Maritime law

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—GYMNOSPERMS, FOSSIL

New Lower Cretaceous gymnosperms of the Maritime Territory. V. A. Krasilov. Paleont. zhur. no. 1:114-119 '64.

MARITIME TERRITORY—TIN ORES

T[illegible], A. A. [T[illegible] of the Oktiabr' group in the M[illegible] [illegible] Moskva, Izd-vo "Nauka," 1964. [illegible] cheskaia, vol. 7)

MARKETS see subdivision under Moscow

MARKING DEVICES

Device for marking shaft ends for centering. I S. Gurevich Mashinostroitel' no 5:26 My '64

MARKING OF ANIMALS see Animals, Marking of

MARKOV PROCESSES

Relative stability of sums bound into a Markov chain of non-negative random variables. M. Rozenblat-Rot. Dokl. AN SSSR 156 no. 2 261-263 My '64.

Reversibility of Feller processes. G. I. Kalmykov. Dokl. AN SSSR 156 no. 2 251-254 My '64.

MARL see subdivision under Sozh Valley

MARMOTS AS CARRIERS OF DISEASE

Some factors of geographical distribution of elementary foci and microfoci of plague in Kirghizistan B. M. Aizin Izv. AN Kir. SSR. Ser. biol. nauk 6 no 2:31-36 '64.

MARTENS see subdivision under Belgorod Province

MARTINO, VLADIMIR EMMANUILOVICH, 1889-1961

In memory of Vladimir Emmanuilovich Martino I. I Puzanov. Biul. MOIP. Otd. biol. 67 no. 6:113-117 N-D '62

MARX, JENNY (VON WESTPHALEN), 1814-1881

Dorneman, Luiza. [Jenny Marx. Translated from the German] Zene Marks. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 166 p. [In Lithuanian]

MARX, KARL, 1818-1883

Dorneman, Luiza. [Jenny Marx. Translated from the German] Zene Marks. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 166 p. [In Lithuanian]

How Marx and Engels developed scientific socialism. A. D. Kosichev. Nauch. dokl. vys. shkoly. filos. nauki 7 no. 2:136-146 '64.

Marx, Karl, and Friedrich Engels. [Works] Sochineniia. Izd. 2. Moskva, Politizdat.
Vol. 26. Pt. 3. 1964. 674 p.

Reuel', A. L. [Subject and name index to the second volume of Karl Marx' "Capital"] Predmetnyi imennoi ukazatel' ko vtoromu tomu "Kapitala" K. Marksa. Moskva, Izd-vo "Mysl'," 1964. 326 p.

MASS (PHYSICS)

Formalism of gauge invariance and the mass of vector particles. R. N. Sallia. Soob. AN Gruz. SSR 33 no. 1: 57-60 Ja '64.

Mass transfer in the rectification of multicomponent mixtures. E. N. Konstantinov, A. M. Nikolaev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:53-58 '64.

MASS SPECTROMETRY

Analyzing vinyltoluene by mass-spectrometry and gas-liquid chromatography. A. N. Aleksandrov and others. Khim. i tekh. topl. i masel 9 no. 6:64-67 Je '64.

Application of the method of spectroscopic masses for the calculation of the force constants of pyramidal hydrides. V. M. Khlebnikova, V. P. Morozov. Dop. AN URSR no. 6:790-792 '63.

Mass spectra and structure of organic compounds. Part 9 Mass spectra and structure of C_6H_6 hydrocarbons (1, 3- and 2, 4-hexadiynes and 1, 5-hexadien-3-yne) A. A. Poliakova, R A Khmel'nitskii, A. A. Petrov. Zhur ob. khim. 34 no. 5 1484-1487 My '64.

Mass spectra of some polyfluorinated organic compounds with a nitrogen-oxygen bond. S. S. Dubov, A. M. Khokhlova. Zhur. ob. khim. 34 no. 6:1961-1964 Je '64.

Mass spectrometric isotope analysis of germanium. R. G. Arshakuni, A. M. Kolchin, G. M. Panchenkov. Zhur. fiz. khim. 37 no. 4:893-896 Ap '63.

Mass spectrum of monogermane. I. L. Agafonov and others. Zhur. fiz. khim. 36 no. 6:1367-1368 Je '62.

MASS TRANSFER

Hydrodynamics and mass transfer in the liquid phase on siev plates. A. V. Sarukhanov, A. N. Planovskii. Khim. prom. no. 4:289-294 Ap '64.

V. V. Kafarov's book "Fundamentals of mass transfer." S A. Bagaturov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5:112-118 '63.

MA[illegible]ATION

A[illegible]

MATERIA MEDICA, VEGETABLE

Anatomical study of the fruit and roots of periwinkle. S. S. Liashenko. Farmatsev. zhur. 18 no 4:78-82 '63.

MATERIALS

Brief handbook on materials used in the manufacture of machinery. N. TSikurin. Mashinostroitel' no. 4:43 Ap '64.

Popilov, L. IA., ed. [New materials in machinery manufacture] Novye materialy v mashinostroenii. Moskva, Mashinostroenie, 1964. 303 p.

MAT[illegible] AL [illegible]—[illegible]ES

[illegible]

MA[illegible] AL [illegible]

[illegible] pieces in real [illegible] no 4 [illegible]

MAT[illegible] AL [illegible]—ABSTRACTS

[illegible] Trud transp [illegible]

MAT[illegible] MACHINES—BIBLIOGRAPHY see Bibliography—Mat[illegible]

MA[illegible]EMATI[illegible] AL ANALYSIS

[illegible] [illegible] applications of the derivative; a [illegible] uchebnoe [illegible], Leningradskii inzhenerno-stroit. in-t, [illegible]

MAT[illegible] MATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

[illegible] D A Trakhtenbrot [illegible] Ja-F '64

[illegible] V L Makarov [illegible] Ja-F '64

[illegible] certain class of se[illegible] igroups with a [illegible] relations. F I. Greend-[illegible] 5 [illegible] 77-85 Ja-F '64.

MATHEMATICAL MODELS

[illegible] models for mathematical physics [illegible] Sbor rab VTS MGU 2 165-[illegible]

[illegible], I. B. [Philosophical problems of cybernetic [illegible]] O filosofskikh voprosakh kiberneticheskogo [illegible] Moskva, Izd-vo "Znanie," 1964. 39 p. [illegible] nauke, tekhnike II Seriia Filosofiia, [illegible] 13)

MATHEMATICAL PHYSICS

Beshmanova, G V [Course on common differential equations and on the equations of mathematical physics] Kurs obyknovennykh differentsial'nykh uravnenii i uravnenii matematicheskoi fiziki, uchebnoe posobie. [Kazan'] Izd-vo Kazanskogo univ , 1962 169 p. (RPB)

Finite dimensional models for mathematical physics equations. A I Krylov. Sbor rab VTS MGU 2 165-173 '63

Mikhlin, S. G., ed [Linear equations in mathematical physics] Lineinye uravneniia matematicheskoi fiziki. [By] V M. Babich i dr Moskva, Izd-vo"Nauka," 1964 368 p (Spravochnaia matematicheskaia biblioteka)

Numerical solution of two-dimensional and three-dimensional problems in mathematical physics and functions of independent variables by G N Polozhii Reviewed by B M Budak Zhur vych mat i mat fiz 4 no 2: 390 Mr-Ap '64

MATHEMATICAL PHYSICS—BIBLIOGRAPHY see Bibliography—Mathematical physics

MATHEMATICAL PHYSICS—PROBLEMS, EXERCISES, ETC.

Mnatsakeev, I.V. [Problems and exercises using methods of mathematical physics] Sbornik zadach i uprazhnenii po metodam matematicheskoi fiziki. Moskva, Prosveshchenie, 1964. 134 p.

MATHEMATICAL SOCIETIES see subdivision under Moscow

MATHEMATICAL STATISTICS

Boltzmann's statistical distribution as a solution to kinetic equations describing gaseous mixtures S. V. Vallander, I A Egorova, M.A. Rydalevskaia Vest. LGU 17 no 7 57-70 '64.

A class of families of distributions admitting of similar zones A M Kagan, IU. V. Linnik. Vest. LGU 19 no. 7 15-18 '64

Distribution of the periodic function of a random quantity B R Levin V V Serov Radiotekh i elektron 9 no 6 1043-1047 Je '64

An integral equation used in statistics. D. V. Anosov. Vest. LGU 19 no 7 151-154 '64.

Method for distributing random tests in solving extremum problems. I. B. Mockus. Zhur.vych.mat.i mat.fiz. 4 no 2:380-385 Mr-Ap '64.

Method of determining mean values from isoline charts A L Zavgorodnii Vest AN Kazakh SSR 19 no 8 63-70 Ag '63

MATHEMATICS

Dzhadzhelskii, V.V. [Mathematical textbook for topographic schools] Posobie po matematike dlia topograficheskikh tekhnikumov. Moskva, Izd-vo "Nedra," 1964. 335 p.

First Republic Scientific Conference of Young Researchers in Mathematics. V.G.Kolomiets. Ukr.mat.zhur. 16 no.3:429 '64

Potapov, M. K., N. Kh. Rozov, and G. V. Dorofeev. [Short mathematics textbook for persons entering Moscow University] Kratkoe posobie po matematike dlia postupaiushchikh v Moskovskii universitet. [Moskva] Izd-vo Mosk. univ , 1964. 207 p

TSarik, I. T. [Textbook on higher mathematics for students of economics] Posobie po vysshei matematike dlia ekonomistov. Moskva, Univ. druzhby narodov im Patrisa Lumumby.
Pt 2. 1963. 181 p.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—Mathematics

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Depman, I. IA. [Stories on the solution of problems] Rasskazy o reshenii zadach [2, perer. i dop izd.] Leningrad, (Shkol'naia biblioteka)

MATHEMATICS—STUDY AND TEACHING

Let's teach students to think logically V M. Kurbanov Rad shk 13 no 5 76-79 My '64

MATHEMATICS, GREEK

Nasir al-Din al-Tusi's commentaries on Archimedes' work "On the sphere and cylinder " A Kubesov Vest AN Kazakh SSR 19 no 6 66-70 Je '63

MATRICES

Determinations of the spectrum of integral operators and infinite matrices. A. R. Esaian, V. IA Stetsenko Dokl. AN SSSR 157 no 2,254-257 Jl '64,

A method for reorthogonalization of a system of vectors. V.N Kublanovskaia. Zhur.vych.mat.i mat.fiz. 4 no 2,338-340 Mr-Ap '64

MAYFLIES—PARASITES see Parasites—Mayflies

MAZUT

Results of testing heat processes in open-hearth furnaces heated by gasified mazut A G Kapichev and others Izv vys ucheb zav , chern met 7 no 6 173-178 '64.

MAZUT—TRANSPORTATION

Pipeline transportation of furnace mazuts mixed with diluents. L. S. Maslov, V. N. Stepaniugin Neft. khoz. 41 no 1 58-63 Ja '63

MEADOW SAFFRON

Dynamics of colchicine accumulation in Colchicum speciosum Stev. and Colchicum laetum Stev. in their cultivation in the Moscow region. V. M. Salo. Apt. delo 12 no. 2;40-43 Mr-Ap '63.

New alkaloids from Colchicum kesselringii RGL M. K. IUsupov, A S Sadykov Zhur. ob khim. 34 no 5: 1672-1676 My '64

MEASURING INSTRUMENTS

Designing communication channels with a periodically varying load for oil field depth-measurement devices. I A. Kuliev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1: 91-95 '64.

Device for measuring the beat of cylindrical parts and rings. K. K. Larichev. Izm. tekh. no. 5:10 My '64.

Device for the continuous determination of the moisture content of natural gases A. K. Karpov and others. Gaz prom 7 no 4:37-43 '62

Measures and measuring instruments approved by the committee on the basis of results of their official testing and permitted to be used in the U.S.S.R. Izm. tekh. no. 5;57-63 My '64.

Method for increasing the precision of pendulum instruments. A. E. Sinel'nikov. Izm. tekh. no. 5;16-18 My '64.

Methods and instruments for measuring the thickness of anticorrosion coatings L IA. TSikerman Zashch. trub ot kor no. 5:17-26 '62

Physical and chemical measurements in the service of the national economy D. K. Kollerov Izm. tekh. no. 4 60-62 Ap '64

Precision in measuring lengths and angles in the manufacture of machinery. M G Boguslavskii, L. K. Kaiak. Izm. tekh. no 4,26-28 Ap '64

Using the principle of unsealed piston in precision measuring instruments V N. Gramenitskii, K I. Khansuvarov Izm tekh. no. 4 32-36 Ap '64.

MEASURING INSTRUMENTS—RELIABILITY

Increasing the reliability of instruments. E. A. Kraev. Izm. tekh. no. 5;14-15 My '64.

MEASURING WORMS see subdivision under Armenia

MEAT—ANALYSIS

Chemical and amino acid composition of the meat of broiler chickens. S. G. Saakian. Izv. AN Arm. SSR Biol. nauki 16 no. 9;33-37 S '63.

MEAT, DRIED

Comparative nutritional value of meat dehydrated by thermal atmospheric dessication and by sublimation. V. P. Karandaeva. Vop. pit. 22 no. 6;12-16 N-D '63

MEAT INSPECTION
(see also subdivision under Voronezh Province)

Survival of Leptospira in the meat of animals given antibiotics intravitam O M Kotova Zap Vor [illegible] inst 17 no 2 65-67 '62

Veterinary examination of the meat of animals poisoned by plants. M I. Zelinskii. Vest. sel'khoz nauki [illegible] 7 no 6 56-60 Je '64

MECHANICAL DRAWING—AUDIO-VISUAL AIDS

Chekova, M. D. [Assignment cards on mechanical drawing. The ninth grade, a teacher's manual] Kartochki-zadaniia po chercheniiu, IX klass, posobie dlia uchitelei. Pod red. O. A. Kozyrevoi. Moskva, Izd-vo "Prosveshchenie," 1964. 301 p.

MECHANICAL DRAWING—STUDY AND TEACHING

Method of rectangular drafting in the seventh grade. V. I. ZheleznIak. Shkola i proizv. 8 no. 5:[illegible] My '64.

Ways of improving the graphic training of students V. N. Vinogradov Shkola i proizv. 8 no. 5:[illegible] My '64.

MECHANICAL ENGINEERING

Voiskii, N. I., ed. [Theory of mechanisms and machines and machine parts] Teoriia mekhanizmov i mashin i detali mashin. [By] N. I. Voiskii i dr. Moskva, Izd-vo "Mashinostroenie," 1964. 620 p.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see Bibliography—Mechanical engineering

MECHANICAL ENGINEERING—STUDY AND TEACHING

Answering the appeal of the party. N. A. Platonova, V [illegible] Khinevich. Vest. vys. shkoly 22 no. 5:14-16 My '64

Teaching the students to construct. V. I. Ka[illegible]. Shkola i proizv. 8 no. 5,36-41 My '64.

MECHANICAL WEAR

Investigating the operation and wear of the packing of a drill-pump piston. V. M. Litvinov. Neft. khoz. 41 no. 11;25-28 N '63.

Nature of the abrasive wear of drilling-equipment parts made of magnesium cast iron. V. I. Shlykov Izv. vys. ucheb zav , neft' i gaz 6 no. 8:103-107 '63

Repair and operation of tube stills. N. N. Nurlakhmetov Neftoper. i neftekhim. no. 6;32-33 '63.

Serivanov, A. I. [Fundamentals of the theory of the aging of machinery] Osnovy teorii stareniia mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 403 p.

MECHANICS

New solution to the problem of motion in a Newtonian field of force of a body having cavities filled with liquid. E. I Kharlamova. Dokl. AN SSSR 157 no 3;[illegible] Jl '64.

Sakharnyi, N. F. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki. [IAroslavl'] Vysshaia shkola, 1964. 844 p.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur. : Mekh. no. 6 Je '64.

MECHANICS—STUDY AND TEACHING

Let's depart from the standard outline of the course G. N. Savin and others. Vest. vys. shkoly 22 no. 5 [illegible] My '64.

One of the stable fundamentals of technical education V. N. Shchelkachev. Vest. vys. shkoly 22 no. 5 20-25 My '64.

"Theoretical mechanics" and present-day machinery. A. I. Lur'e. Vest. vys. shkoly 22 no. 5 25-30 My '64

What the scientists talked about. Vest. vys. shkoly 22 no. 5:31-32 My '64.

MECHANICS, APPLIED

Calculating shells with rotation of negative Gaussian curvature for axisymmetric heating. V. N. Pastushikhin Stroi. mekh. i rasch. sooruzh. 5 no. 6;8-13 '63.

MECHANISMS

Kinematics of the crank-link gear mechanisms of intermittent motion. P. G. Kukharenko. Nauch zap. VLTI 29 no. 4;22-37 '63

Mechanisms of intermittent motion with prolonged stops E. A. Savin. Nauch. zap. VLTI 29 no. 4:57-63 '63

Some mechanisms of intermittent motion. P. G. Kukharenko, L. S. Freiman. Nauch. zap. VLTI 29 no. 4:3-21 '63.

Tumanskii, N. A. [Graphic calculation of rod systems and mechanisms] Graficheskii raschet sterzhnevykh sistem i mekhanizmov. Moskva, Mashinostroenie, 1964. 299 p.

MEDIASTINUM—DISEASES

Combination of liver echinococcosis with a mediastinal dermoid cyst prolapsed into a hernia of the thoracic wall. Sh. U Aliev. Uch. zap. Stavr. gos. med. inst 8 222-225 '63.

MEDIASTINUM—TUMORS

Cystic lymphangioma of the mediastinum. L. K. Reitk Vop. onk. 8 no. 10;73-78 '62.

MEDICAL BOTANY see Botany, Medical

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL GEOGRAPHY

Adequatometry and discretometry of the human visual analysor at different geographic latitudes. B. A Furnikov. Nerv. sist. no 3;139-144 '62.

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geografii Sibiri i Dal'nego Vostoka. [Medical geography; results and prospects] Meditsinskaia geografiia; itogi, perspektivy. Irkutsk, 1964. 206 p.
(DNLM)

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 7 Jl '64.

MEDICAL JURISPRUDENCE
(see also subdivision under Finland; Lithuania)

Abstracts B. D. Levchenkov Sud -med ekspert 7 no 2: 57-61 Ap-Je '64

Detection of A and B agglutinogens in liquid and dry blood by means of heteroimmune hemagglutinating anti-A and anti-B ram serums N A Solov'eva Sud -med ekspert 7 no 2:26-29 Ap-Je '64

Medicolegal expertise concerning the mechanism of the formation of excoriations, a preliminary report V V. Balaev. Sud -med ekspert 7 no. 2 7-11 Ap-Je '64.

Medicolegal expertise regarding seminal stains; a preliminary report I A Polishchuk, N N Strelets Sud -med. ekspert 7 no. 2, 32-33 Ap-Je '64

Medicolegal importance of the characteristics of the course of traumas in the upper extremities in childhood V. E. IAnkovskii Sud -med ekspert 7 no. 2,16-19 Ap-Je '64

Microscopic examination of the bones from a medicolegal viewpoint IU. M. Gladyshev Sud. -med ekspert. 7 no. 2: 23-26 Ap-Je '64

Some characteristics of stabbing and cutting lesions depending on the mechanism of their formation A P Zagriadskaia. Sud. -med. ekspert. 7 no 2 3-7 Ap-Je '64.

State of expertise on the fertilization capacity in males. V. V Ushakov Sud -med. ekspert. 7 no 2 33-36 Ap-Je '64

MEDICAL MICROBIOLOGY

A new manual on medical microbiology. V. Patraiii. Mikrobiol. zhur. 25 no. 6:50-60 '63.

MEDICAL PERSONNEL

Review of G. A. Popov's book "Medical personnel and plans for their training." S. IA. Freidlin. Zdrav. Ros. Feder. 8 no. 5;43-44 My '64.

MEDICAL SCREENING see subdivision under Alma-Ata

MEDICAL STATISTICS

Determination of the incidence of disease and the temporary loss of the working capacity by means of computing technique. V. T. Stogova. Zdrav. Ros. Feder. 8 no. 5;8-11 My '64.

Method of studying the causes and the economic sequelae of the incidence of disease and the temporary loss of the working capacity. Z. V. Bazhanova, L. L. Kalacheva. Zdrav. Ros. Feder. 8 no. 5;11-16 My '64.

Review of V. IU. Urbakh's book "Mathematical statistics for biologists and physicians." E. I. Soltyskii. Vest. AMN SSSR 19 no. 1;93-94 '64.

MEDICAL STATISTICS—STUDY AND TEACHING see subdivision under Leningrad

MEDICINE

[New developments in biology and medicine] Novoe v biologii i meditsine. Leningrad, Ob-vo "Znanie," 1964. 5 nos.

Makarov, P. O. [New developments in the biophysics of stimulation and perception; neurodynamics of pain] Novoe v biofizike razdrazheniia i oshchushcheniia; neirodinamika boli. 55 p.

Guliaev, P. I. [Modeling in biological cybernetics and bionics. The problem of the medicinal treatment of cancer. Achievements of pharmacology in the research for new drugs] Modelirovanie v biologicheskoi kibernetike i bionike. Problema lekarstvennogo lecheniia raka [by] N. V. Lazarev. Uspekhi farmakologii v izyskanii novykh lekarstvennykh sredstv [by] S. V. Anichkov. 51 p.

Danilov, I. V., N. A. Kostenetskaia, and P. S. Kupalov. [Tonus and the working capacity of the brain. New developments in the prevention, diagnosis, and treatment of nervous diseases. Achievements in the prevention and treatment of mental diseases] Tonus i rabotosposobnost' mozga. Novoe v profilaktike, diagnostike i lechenii nervnykh boleznei [by] N. A. Kryshova. Dostizheniia v profilaktike i lechenii psikhicheskikh zabolevanii [by] D. N. Isaev i S. S. Mnukhin. 46 p.

Alisov, P. A., and A. P. Kazantsev. [Success in the control of infectious diseases. Role of vaccinations in the reduction and elimination of epidemic diseases. Achievements and difficulties in the prevention and treatment of skin diseases] Uspekhi v bor'be s infektsionnymi zabolevaniiami. Rol' privivok v snizhenii i likvidatsii epidemicheskikh zabolevanii [by] I. I. Rogozin. Dostizheniia i trudnosti v profilaktike i lechenii kozhnykh boleznei [by] P. V. Kozhevnikov. 54 p.

Uglov, F. G. [Surgery on the heart and vessels. Achievements of Soviet ophthalmology. Contemporary conception of atherosclerosis. New developments in the prevention and treatment of gastrointestinal diseases] Khirurgiia serdtsa i sosudov. Dostizheniia sovetskoi oftal'mologii [by] M. B. Chutko. Sovremennoe predstavlenie ob ateroskleroze [by] Z. M. Volynskii. Novoe v profilaktike i lechenii zheludochno-kishechnykh zabolevanii [by] O. P. Kufareva i F. I. Komarov. 55 p.
(DNLM)

Results of the discussion on the problem of causality in medicine O V Kerbikov Vest AMN SSSR 18 no 8 93-95 '63

MEDICINE—ABSTRACTS

[Medical abstracts] Med. ref. zhur. sect. 2 vol. 8 no. 7 Jl '64. Sect. 5 vol. 8 no. 7 Jl '64. Sect. 8 vol. 8 no. 6 Je '64 Sect. 9 vol. 8 no. 7 Jl '64. Sect. 10 vol. 8 no 7 Jl '64. Sect. 11 vol. 8 no. 7 Jl '64. Sect. 12 vol. 8 no. 7 Jl '64. Sect. 13 vol. 8 no. 7 Jl '64.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—CONGRESSES

The 14th Scientific Session of the A. V. Vishnevskii Surgical Institute of the Academy of Medical Sciences of the U. S. S. R. A G. Milashkin, R Z Likht Vest khir 91 no 10 138-140 O '63

MEDICINE—DICTIONARIES

[Large medical encyclopedia] Bol'shaia meditsinskaia entsiklopediia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia Entsiklopediia,"
Vol. 35. Ekskretsiia—Iashchur. Izd. 2. 1964. 1230 columns.

——— [List of articles and terms for the letters "E", "IU", "IA"] Perechen' statei i terminov na bukvy "E", "IU", "IA" (tridtsat' piatyi tom) 4 p.

——— [Phonorecord of sound phenomena appended to the article "Khripy"] Grammofonnaia plastinka soderzhit zapis' zvukovykh iavlenii k stat'e "Khripy," no. 37)

MEDICINE—EQUIPMENT AND SUPPLIES

Use of automatic logical devices for medical control. R. M. Baevskii and others. Biul. eksp. biol. i med. 56 no. 8;116-120 Ag '63.

MEDICINE—PHILOSOPHY

Review of G. I. TSaregorodtsev's book "Dialectical materialism and medicine." V. G. Vogralik, A. M. Izutkin. Vest. AMN SSSR 19 no. 1;91-93 '64.

Some philosophical problems in the theory of disease. G. I. TSaregorodtsev. Vest. AMN SSSR 19 no. 1;15-22 '64.

MEDICINE, MAGIC, MYSTIC, AND SPAGIRIC see subdivision under Georgia

MEDICINE, MILITARY

Maneuver by brigades. M. Gogolev. Voen. znan. 40 no. 6,23-24 Je '64

MEDICINE, RURAL
(see also subdivision under Transcarpathia)

Experience in training physicians in roentgenology for rural district hospitals. N. IA. Mil'man, L. E. Kishinevskii. Vest. rent. i rad. 38 no. 3;81-83 My-Je '63.

MEDICINE AND RELIGION

Sergeenkov, M. M. [Buried alive] Zazhivo pogrebennye. [Moskva] Molodaia gvardiia, 1964. 144 p.

MEDICINE IN SPORTS see Sports medicine

MEDULLOBLASTOMA

Clinicomorphological comparisons in medulloblastomas of the posterior cranial fossa in children. M. N. Potanina, V. V. Khokhlova. Zhur. nevr. i psikh. 63 no. 7;986-990 '63.

MELESHIN, IAKOV DENISOVICH

Roitman, N. D., and V. L. TSetlin. [IAkov Denisovich Meleshin; historical and biographical study. IAkov Denisovich Meleshin; istoriko biograficheskii ocherk. Kishinev, Kartia moldoveniaske] 1962. 61 p. (Plamennye bortsy za vlast' Sovetov) [In Moldavian]
(MH)

MELONS—DISEASES AND PESTS see subdivision under Balkhash Lake region

MELTING

Investigating the motion of light particles in a quiet and flowing fluid. B. V. Rabinovich, V. M. Nikol'skii. Izv. vys. ucheb. zav., mashinostr. no. 1:42-48 '64.

Motion of nonmetallic particles in a melt. B. V. Rabinovich. Izv. vys. ucheb. zav.; mashinostr. no. 1;49-56 '64.

Nonstationary melting of a viscous material near the critical point V M Paskonov, IU V Polezhaev. Sbor rab VTS MGU 2 123-134 '63

Possibility of spectroscopic observation of electron-beam melting. E. V. Lifshits. Ukr. fiz. zhur. 9 no. 2: 207-209 F '64.

Process of the establishment of steady-state conditions of melting of a viscous glasslike material IU. V. Polezhaev. Dokl. AN SSSR 156 no 2,290-293 My '64.

Role of diffusion in a process for the production of glass specimens of variable composition. V. I. Sheliubskii, G. V. Riazanov. Dokl. AN SSSR 156 no 2,304-305 My '64.

MEMBRANES (BIOLOGY)

The close topographic contacts of the membranous structures in the tumor cell; an(electron microscopic study). Arkh. pat. 25 no. 10 16-24 '63.

MENDELEEV, DMITRII IVANOVICH, 1834-1907

D I Mendeleev on secondary education. G Shliachtenko Nar obr no 6 85-87 Je '64

MENINGITIS

Clinical and epidemiological characteristics of enterovirus diseases in Tomsk. L. A Subbotina, A. M TSelishchev, R. A. Granovesova. Trudy TomNIIVS 14; 66-70 '63.

Preparation of antigens of lymphocytic chriomeningitis for complement fixation reaction. M S. Zagromova Trudy TomNIIVS 14;254-257 '63.

MENINGITIS VIRUSES

Development of an expedient method of preparing immune serum against the virus of lymphocytic choriomeningitis. M. S. Zagromova. Trudy TomNIIVS 14;258-261 63.

MENSURATION

Bionics and measurements K B. Karandeev, B. I Puchkin Izm. tekh. no 4 16-18 Ap '64

Metrological problems in automatically controlled production. M A Zemel'man, N M Karelin, V I. Kiparenko Izm. tekh. no 4 19-20 Ap '64.

Problems of measurement in centralized control and management systems B M. IAkobson, G. K Dmitriev Izm tekh. no. 4 21-25 Ap '64

Using the method of least squares for evaluating the precision of the technological operation in active control of part dimensions. I. V. Dunin-Barkovskii. Izm. tekh no. 5;10-13 My '64

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur.: Metr. i izm. tekh. no. 6 Je '64.

MENTAL DEFICIENCY

Concerning pfropf-schizophrenia; based on data of a pediatric clinic. O. D. Sosiukalo. Zhur. nevr. i psikh. 63 no. 7,1035-1040 '63.

Effectiveness of psychoeducational influences on oligophrenic children during their treatment with glutamic acid and caffeine. I. Străchinaru. Zhur. nevr. i psikh. 63 no. 7·1089-1093 '63.

Electroencephalographic changes in Down's syndrome. A. M. Godinova. Zhur. nevr. i psikh. 63 no. 7·1058-1064 '63.

One of the forms of dysostotic oligophrenia. M. G. Bliumina, A. I. Gingol'd. Zhur. nevr. i psikh. 63 no. 7;1085-1088 '63.

Role of maternal pathology in Down's disease. I. F. Davidenkova and others. Zhur. nevr. i psikh. 63 no. 7;1052-1057 '63.

Russkikh, V. V. [Pathogenesis and fundamentals of the contemporary treatment of Down's disease; general fetal dysplasia] O patogeneze i osnovakh sovremennogo lecheniia bolezni Dauna; generalizovannoi fetal'noi displazii. Pod red. V. M. Banshchikova. Moskva, Vses. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1963. 133 p.
(DNLM)

Some stages of development of the teaching on oligophrenia. L. A. IUsevich. Zhur. nevr. i psikh. 63 no. 7;1097-1101 '63.

MENTAL ILLNESS

Clinical aspects of tuberous sclerosis in children. L. M. Kalinina. Zhur. nevr. i psikh. 63 no. 7;1067-1071 '63.

Progress of the psychoneurological aid for children and adolescents in the U. S. S. R. M. I. Lapides, M. S. Brono. Zhur. nevr. i psikh. 63 no. 7,1114-1115 '63.

Role of the sialic acid test in the diagnosis of rheumatism in mental patients. T. IA. Balaba, A. R. Steimatskii. Zhur. nevr. i psikh. 64 no. 5 755-759 '64.

MENTALLY HANDICAPPED CHILDREN—EDUCATION

Effectiveness of psychoeducational influences on oligophrenic children during their treatment with glutamic acid and caffeine. I. Străchinaru. Zhur. nevr. i psikh. 63 no. 7;1089-1093 '63.

Retarded child. V. Batsan. Sem'ia i shkola 19 no. 5: 37-38 My '64.

MENTHENE

Preparation of a sterically uniform carvomenthene [illegible] A [illegible] G. G. Kainova. Zhur ob khim 34 [illegible] My '64

MERCANTILE BUILDINGS see subdivision under Biysk

MERCAPTANS see Thiols

MERCAPTO COMPOUNDS

Reactions of benz[illegible]oxazine-9-one with some mercapto [illegible]. G. B. Afanas'eva, I. IA. Postovskii. Zhur ob khim 34 no. 6 1741-1745 Je '64.

MERCAPTO GROUP

[illegible] groups and reduced [illegible] white [illegible] following inhibit- [illegible] uretnare [illegible] V. I. [illegible] E. F. [illegible] Farm [illegible] '63

MERCERIZATION see subdivision under Great Britain

MERCHANT MARINE—SIGNALING

Rul'kov, D. I., and V. F. Saratov. [Navigational buoyage and beacon markers and signaling on inland waterways] Znaki sudokhodnoi obstanovki i signalizatsiia na vnutrennikh vodnykh putiakh. Izd. 4, dop. i perer. Moskva, Izd-vo "Transport," 1964. 127 p. illus.

MERCHANT SHIPS

Zakharov, V. K. [Organization of navigator duties on merchant ships] Organizatsiia shturmanskoi sluzhby na morskikh sudakh. Moskva, Izd-vo "Transport," 1964. 66 p.

MERCURY

(see also subdivision under Timan Valley)

[illegible] of mercury and its compounds in the [illegible] of air and exhaust gases. P. A. Petrachkov, V. S. Z[illegible], I. T. G[illegible]. Khim. prom. no. 4 [illegible] '64.

Interaction of [illegible] with chloroform and [illegible]. G. A. Razuvaev and others. Dokl. AN SSSR 156 no. 2 [illegible] '64

MERCURY—TOXICOLOGY

Ashbel', S. I. [Intoxication with mercury-organic poisonous chemicals, clinical aspects, treatment and prevention] Intoksikatsii rtut'-organicheskim iadokhimikatami, klinika, lechenie i profilaktika. Moskva, Meditsina, 1964. 186 p.
(DNLM)

MERCURY ACETATES

Decomposition of [illegible] acetate of mercury oxide in solvents. M. A. Maer and others. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1 49-54 '64

MERCURY-ARC RECTIFIERS

Results of using controlled mercury-arc rectifiers for dynamic braking of a mine hoisting machine. V. A. Kotliar. Nauch. trudy KNIUI no. 11 205-207 '62.

MERCURY-CADMIUM-TELLURIUM ALLOYS—ELECTRIC PROPERTIES

Electric properties of p-type HgTe single crystals and its alloys with CdTe. V. I. Ivanov-Omskii and others. Izv. AN SSSR Ser. fiz. 28 no. 6 1057-1064 Je '64.

MERCURY ELECTRODES see Electrodes, Mercury

MERCURY SELENIDE

Dependence of the effective mass of electrons and the optical activation energy on the current carrier concentration in mercury selenide. M. V. Kot, V. A. Mshenskii. Izv. AN SSSR. Ser. fiz. 28 no. 6 1023-1027 Je '64.

MERCURY-SELENIUM-CADMIUM ALLOYS see Cadmium-mercury-selenium alloys

MERCURY TELLURIDE—GALVANOMAGNETIC PROPERTIES

Galvanomagnetic and thermomagnetic effects in HgTe. K. D. Tovstiuk, N. P. Gavaleshko, L. M. Rarenko. Izv. AN SSSR. Ser. fiz. 28 no. 6.1048-1050 Je '64.

MERCURY-ZINC-SELENIUM ALLOYS see Zinc-mercury-selenium alloys

MERCURY-ZINC-TELLURIUM ALLOYS—ELECTRIC PROPERTIES

Structure and electric properties of the system HgTe - ZnTe. S. A. Daniliuk, M. V. Kot. Izv. AN SSSR. Ser. fiz. 28 no. 6:1073-1076 Je '64

MERINO SHEEP see subdivision under Polesye

MEROMYOSINS

X-ray identification of L-meromyosin in a muscle structure. L. L. Razumova, B. K. Lemazhikhin, L. A. Mel'nikov. Biofizika 9 no 1 136-137 '64

MESLIER, JEAN, 1664-1729

Immortal legacy of a French atheist; Jean Meslier and his "testament." IA. IA. Pedin. Priroda 53 no. 7.99-102 '64

MESOCAINE

Study of the local irritating action of trimecaine, a new Russian anesthetic. N. A. Sharov, V. S. Mitrofanov. Trudy SMI 15:247-251 '62.

MESONS

Asymptotic behavior of the pion form factor in the case of high transmitted pulses [with summary in English]. B. I. Kolodii. Ukr. fiz. zhur. 9 no. 2.122-127 F '64.

π-p Collisions at high energies. N. N. TSilosani. Trudy Inst. fiz. AN Gruz. SSR 9 67-75 '63.

Distribution of transverse impulses of strange particles. N. N. Roinishvili. Trudy Inst. fiz. AN Gruz. SSR 9:3-51 '63.

Poles of the generation amplitude for the process $\pi+d \rightarrow d+\pi+\pi$ [with summary in English]. V. I. Fushchych. Ukr. fiz. zhur. 9 no. 2:117-121 F '64

Potentials in theories involving "nonlinear" meson coupling. IU. M. Lomsadze, B. I. Maksimov. Nek. probl. sovr. fiz. iadra i elem. chast. no. 1.111-141 '57.

Role of K-mesons in the development of extensive air showers. E. V. Gedalin. Trudy Inst. fiz. AN Gruz. SSR 9:53-54 '63

Vaisenberg, A. O. [Mu-mesons] Miu-mezon. Moskva, Izd-vo "Nauka," 1964. 399 p. (Sovremennye problemy fiziki)

MESONS—CAPTURE

Absorption of 80 Mev. π^{+}-mesons by carbon nuclei. R. G. Salukvadze, D. Niiagu. Trudy Inst. fiz. AN Gruz. SSR 9.77-84 '63

MESONS—DECAY

Liuboshits, V. L., and E. O. Okonov. [Possible resonances in K-meson decay] O vozmozhnykh rezonansakh v raspadakh K-mezonov. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 8 p.

Okonov, E. O. [Mean lifetime of a long-lived K^0-meson] O srednem vremeni zhizni dolgozhivushchego K^0-mezona. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 7 p.

MESONS—SCATTERING

Scattering of π^{+}-mesons on hydrogen and carbon. R. G. Salukvadze, D. Niiagu. Trudy Inst. fiz. AN Gruz. SSR 9.85-95 '63.

Some preliminary calculations in pair theory. IU. M. Lomsadze, B. I. Maksimov. Nek. probl. sovr. fiz. iadra i elem. chast. no 1 39-54 '57

METABOLISM

Dependence of glycogen and fat content in the cytoplasm of Paramecium caudatum on temperature. IU. I. Polianskii. Sbor. rab. Inst. tsit. no. 3:102-110 '63.

Study of monamine oxidase activity of mycobacteria B_5. G. N. Pershin, V. V. Nesvad'ba. Biul. eksp. biol. i med. 56 no. 8:81-84 Ag '63.

METAL CASTINGS

Automatic portable-type equipment for the electric heating of ingots and castings. V. V. Stepanov, N. M. Leleko. Sbor. st NIITIAZHMASHa Uralmashzavoda no. 3.117-131 '64.

Lakedemonskii, A. V. [Bimetal castings] Bimetallicheskie otlivki. Moskva, Mashinostroenie, 1964. 179 p.

METAL CRYSTALS—GROWTH

Effect of supercooling and composition on the rate of crystal growth in blast furnace slags. Sh. Temesht. Izv. AN SSSR. Met. i gor. delo no. 3:37-41 My-Je '64.

METAL CUTTING

Algorithm for calculating forces and speeds of cutting. M. I. Klushin. Trudy Proek., tekh. i nauch.-issl. inst. no. 2 112-152 '63.

Arshinov, V. A., and G. A. Alekseev. [Metal cutting and metal-cutting tools] Rezanie metallov i rezhushchii instrument. Moskva, Izd-vo "Mashinostroenie," 1964. 543 p.

Cards for the selection of efficient cutting conditions. V. Isaev. Mashinostroitel' no. 5:36 My '64.

Deformation of the cut-off layer in cutting metals with round self-rotating cutting tools. V. A. Zemlianskii, IU. F. Granin. Izv. vys. ucheb. zav.; mashinostr. no. 3 151-157 '64.

Diamond machining of parts and cutting tools. A. N. Reznikov. Mashinostroitel' no. 4:29-31 Ap '64.

Effect of spindle speed on the technological rigidity of the machine-tool-device-cutting-tool-part system. V. N. Poduraev, IU. S. Ragozin. Vest. mashinostr. 44 no. 2:65-68 F '64.

Effect of the wear of hard-alloy cutting tools on the roughness of a machined surface. V. V. Kovalenko. Trudy LVMI 1:149-150 '62.

Experimental investigation of pressures applied by sliding saws during the cutting of heated metal. F. K. Ivanchenko and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:207-212 '64.

Mechanism of casting curvings during machining. L. S. Konstantinov. Izv. vys. ucheb. zav., mashinostr. no. 1 204-209 '64.

Moscow. Energeticheskii institut. [Outline of lectures in the general course on the technology of metals] Konspekt lektsii po obshchemu kursu tekhnologii metallov Moskva.
Pt. 3. Sec. 6. [Metal cutting] Obrabotka metallov rezaniem. 1963. 235 p.

Moscow. TSentral'noe biuro promyshlennykh normativov po trudu. [Calculating cutting conditions for multitool machining on machine tools] Metodika rascheta rezhimov rezaniia pri mnogoinstrumentnoi obrabotke na metallorezhushchikh stankakh. Moskva, 1963 43 p.
[MICROFILM]

Multiple cutting of slits in nuts. Mashinostroenie [illegible] 113 Ja-F '64.

Troshenskii, S. P. [Calculating the precision of machining on machine tools] Raschety tochnosti obrabotki na metallorezushchikh stankakh. Moskva, Izd-vo "Mashinostroenie," 1964. 202 p.

METAL CUTTING—SAFETY MEASURES

Petriaev, A. A. [Safety manual for operators of lathes, drilling and milling machines] Pamiatka po tekhnike bezopasnosti pri rabote na tokarnykh, sverlil'nykh i frezernykh stankakh. Moskva, Stroiizdat, 1964. [illegible] p. (Tekhnika bezopasnosti v stroitel'stve)

METAL CUTTING—TESTING

Universal device for checking hob cutters. [illegible] Stan. i instr. 35 no. 5:39-40 My '64.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

Arshinov, V. A., and G. A. Alekseev. [Metal cutting and metal-cutting tools] Rezanie metallov i rezhushchii instrument. Moskva, Izd-vo "Mashinostroenie," 1964. 543 p.

Combined cutting tool. I. M. Shusser. Mashinostroitel' no. 5:20 My '64.

Combined tools for machining bolts. V. I. Sinitskiy. Mashinostroitel' no. 5:24 My '64.

Danilov, B. F. [New tools for machining on lathes] Novye instrumenty dlia tokarnykh rabot, opyt raboty. Moskva, Izd-vo "Mashinostroenie," 1964. 89 p.

Lever shears. A. Kuznetsov. Shkola i proizv. [illegible] 83-85 My '64.

Low-temperature gaseous nitriding of P9 and P18 steel cutters. E. N. Bukhinik, V. A. Bogomolov. Metalloved. i term. obr. met. no. 6:50 Je '64.

New mandrel for disk form cutters. V. G. Darkin. Mashinostroitel' no. 5:23 My '64.

New methods for manufacturing cutting tools. I. A. Alumiae. Mashinostroitel' no. 5:34 My '64

Nikitin, A. P. [Diamond grinding and lapping of hard-alloy cutting tools] Almaznaia zatochka i dovodka tverdosplavnogo instrumenta. Leningrad, 1964. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Mekhanicheskaia obrabotka metallov)

Saromotina, T. G. [Design of metal-cutting tools] Proektirovanie rezhushchikh instrumentov. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t.
No. 2. [Cutters; written lectures] Reztsy, pis'mennye lektsii. 1962. 60 p.

Selecting the diameter of cutters for cutting thick plates with circular shears. A. M. Saburov, E. V. Pal'mov. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:213-216 '64

METAL-CUTTING TOOLS—TESTING

Investigating the strength of the cutting part of a metal-cutting tool. A. I. Betaneli. Vest. mashinostr. 44 no. 2 60-64 F '64.

METAL POWDER PRODUCTS

Manufacture by powder metallurgy of inserts for current-collecting devices on trolleybuses. A. N. Medvedskii. Trudy GPI 19 no. 1:69-73 '63.

New brands of powder wire for wear-resistant hard facing. B. V. Stepanov. Sbor. st. NIITIAZHMASHa Uralmashzavoda no. 3:80-91 '64.

METAL POWDERS—METALLOGRAPHY

Investigating structure formation during the sintering of iron-graphite alloys. V. K. Sorokin, S. S. Iskhakov. Trudy GPI 19 no. 1:60-68 '63.

METAL REINFORCED PLASTICS

Shannikov, V. M., N. D. Moskalev, and K. N. Kan. [Strength calculations for parts made of thermosetting plastics with thread and metal reinforcement] Raschety na prochnost' detalei iz termoreaktivnykh plastmass s rez'boi i metallicheskoi armaturoi. Leningrad, 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii, no. 3)

METAL SPRAYING

Nedzel'skii, M. D. [Application of metallization in industry] Primenenie metallizatsii v promyshlennosti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 52 p.
[MICROFILM]

METALDRAWING see Drawing (Metalwork)

METALLIC FILMS

Mechanism of oxide film formation on the surface of electrolytically polished copper IU I Sozin, G.A Gorbachuk. Zhur. fiz. khim. 37 no.4:888-890 Ap '63.

Preparation of films of the oxides of Th, U, Pu, and rare-earth elements by electrodeposition from organic solutions. B. A. Gvozdev, IU T. Chuburkov. Radiokhimiia 5 no 6:712-715 '63

METALLIC OXIDES

Surface ionization of organic molecules on molybdenum and nickel. O.K. Fomin, M.V. Tikhomirov. Zhur. fiz. khim. 38 no 3 813-814 Mr '64.

METALLOGRAPHY

Effect of the mass of the manufactured object on the physical state of the surface layers of the metal in repeated grinding. B.D. Hrozin and others. Dop. AN URSR no.6:769-773 '63.

METALLURGIC CHEMISTRY see Chemistry, Metallurgic

METALLURGICAL ANALYSIS

Investigating the mechanical properties of the basic components of iron ore sinters. B. A. Livshits, G. S. Vasil'ev. Izv. vys. ucheb. zav., chern. met. 7 no. 6 23-25 '61

METALLURGICAL FURNACES—DESIGN AND CONSTRUCTION

Suchkov, V. D. [Thermophysical values: Reference data for the design of metallurgical furnaces] Teplofizicheskie velichiny: Spravochnye dannye dlia proektirovaniia metallurgicheskikh pechei. Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova, 1963. 38 p.
[MICROFILM]

METALLURGICAL PLANTS—ELECTRONIC EQUIPMENT

Feigin, V. I. [Electronic and semiconductor instruments in metallurgy] Elektronnye i poluprovodnikovye pribory v metallurgii. Moskva, Izd-vo "Metallurgiia," 1964. 386 p.

METALLURGICAL PLANTS—SAFETY MEASURES

Rysakov, I. M. [Providing for safe working conditions in industry] Obespechenie bezopasnykh uslovii truda na proizvodstve. Moskva, Izd-vo "Metallurgiia," 1964. 39 p. (Bibliotechka po okhrane truda v metallurgii)

METALLURGICAL RESEARCH

Interuniversity conferences. A. A. Inozemtsev, IU. S. Terminasov, S. E. Livshits. Vest. vys. shkoly 22 no. 5.57-61 My '64.

METALLURGY

Commercial separation of metals by the method of exchange extraction in columns. P.I. Bobikov, L.M. Gindin. Izv. Sib. otd. AN SSSR no.6:46-53 '62.

Designers and metallurgists are aiding chemists. I. Belitskii, I. Naumenko. Radio no. 3·3 Mr '64.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur.: Met. no.7 Jl '64.

METALS

Activation energy of self-diffusion in metals. V.V. Demchenko. Zhur. fiz. khim. 38 no.3:719-720 Mr '64.

IUrgenson, A. A., and G. I. Zelenskaia. [Metals for high-speed diesel engines and their heat treatment; a manual] Metally bystrokhodnykh dizelei i ikh termicheskaia obrabotka; spravochnoe posobie. Moskva, Izd-vo "Mashinostroenie," 1964. 266 p.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—COOLING

Quenching of bearing rings in high-frequency induction heating. B.A Kuznetsov, N.V. Zimin. Trudy NIITVCH no. 1/2:94-100 '60.

Study of shower-type quenching. G.F. Golovin, N.V. Zimin. Trudy NIITVCH no. 4:70-81 '63.

METALS—DETERIORATION

Bogachev, I. N., and R. I. Mints. [Increasing cavitation-erosion resistance of machine parts] Povyshenie kavitatsionno-erozionnoi stoikosti detalei mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 142 p.

METALS—ELECTRIC PROPERTIES

Platov, IU. M. [New developments in the application of metals and alloys in industry; review of foreign techniques] Novoe v primenenii metallov i splavov v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 78 p. (Tema 10)
[MICROFILM]

METALS—FINISHING

Geometry of the contact surface during metal finishing with a rotating tool. IA. R. Kanavalau; V. A. Kuliashou. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:113-117 '64

METALS—HARDENING

Katusi[illegible], T. IA. [Technological equipment for hardening [illegible]] [illegible] dlia [illegible] 10 p. [illegible] gandy. [illegible]

METALS—HEAT TREATMENT

Filinov, S. A., and I. V. Firger. [Handbook on the heat treatment of metals] Spravochnik termista. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964 242 p.

METALS—PERMEABILITY

Permeability of metal pipe walls to helium. I.S. Lupakov, IU. S. Kuz'michev. Atom. energ. 17 no. 1 49-52 Jl '64

METALS—PICKLING

Zhetvin, N. P., F. S. Rakhovskaia, and V. I. Ushakov. [Scale removal from metal surfaces] Udalenie okaliny s poverkhnosti metalla. Izd. 2., perer. i dop. Moskva, Izd-vo "Metallurgiia," 1964. 194 p.

METALS—TESTING

Gorazdovskii, T. IA. [Nondestructive testing of metals; physical means of providing reliability] Nerazrushaiushchii kontrol' metallov; fizicheskie sredstva obespecheniia nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 12)

Vsesoiuznaia konferentsiia po relaksatsionnym iavleniiam v metallakh i splavakh. 3d, Voronezh, 1962. [Relaxation phenomena in metals and alloys; transactions] Relaksatsionnye iavleniia v metallakh i splavakh, trudy. Pod red. V. S. Postnikova. Moskva, Metallurgizdat, 1963. 339 p.

METALS—THERMAL PROPERTIES

Platov, IU. M. [New developments in the application of metals and alloys in industry; review of foreign techniques] Novoe v primenenii metallov i splavov v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 78 p. (Tema 10)
[MICROFILM]

METALS, EFFECT OF RADIATION ON

Zubkov, B. V. [Ray, spark, explosion; tales about the new and the unusual in metalworking] Luch, iskra, vzryv obrabatyvaiut metall; rasskazy o novom i neobychnom v obrabotke metalla. [Tambov] Knizhnoe izd-vo, 1963. 70 p.

METALS, EFFECT OF TEMPERATURE ON

Investigating the change in the physical properties and the fine crystal structure of hardened steel during tempering. N T. Malysh Sbor nauch trud KGRI no. 21,209-217 '63

Investigating the growth of cast iron during repeated heating. G. F. Tikhonov. Trudy GPI 19 no. 1;5-9 '63.

Temperature dependence of the mechanical properties of high-carbon austenitic steels. L. G. Zhuravlev. Metalloved. i term. obr. met. no. 2;38-40 F '64.

Top boundary temperature of flake occurrence in steel IU V Ordina, L B Krepysheva Izv. vys. ucheb. zav., chern met. 7 no. 6 125-129 '64

METALS, RARE AND MINOR

Stepanov, I. S. [Rare metals and technical progress] Redkie metally i tekhnicheskii progress. [Moskva] Izd-vo "Metallurgiia," [1964] 104 p.

METALWORK

Kinematics of the shingling of shafts with multiroll shinglers. S.S. Nekrasov. Izv. TSKHA no. 5;172-178 '63.

Technology of the thermomechanical hardening of steel during rolling and extrusion. IU. N. Kabanov and others. Metalloved. i term. obr. met. no. 2;55-58 F '64.

Vibration working of parts. N. V. Kolesnik. Mashinostroitel' no 4:33-34 Ap '64.

METALWORKING MACHINERY

[illegible]

METALWORKING MACHINERY—PARTS

[illegible]

METAMORPHISM (GEOLOGY) see subdivision under Georgia

METAPLASIA

[illegible]

METASOMATISM

[illegible]

METASTASIS

Comparative morphology of some cancerous tumors and their metastasis. IU F. Lomakin Trudy Inst klin i eksp khir AN Kazakh SSR 8 103-106 '62

Effect of sex hormones on the metastasis of the Brown-Pearce tumor. V.D Vinogradova. Vop. onk. 10 no. 2: 105-108 '64.

Effect of some pyrimidine derivatives on the metastasis of transplantable SSK rat sarcoma. I. F. Grekh, R.S. Karlinskaia, I L. Turbina Vop. onk 10 no 2 98-105 '64.

Splenoportographic determination of the spreading of stomach tumors. G.I. Veronskii. Vop. onk. 10 no. 2: 28-34 '64.

METATARSUS—FRACTURE

Case of lesion of several bones in Deutschlander's disease A. L Bogoslavskii. Vest. rent i rad. 38 no. 3· 68-69 My-Je '63.

METEORITES see subdivision under Podkamennaya Tunguska Valley

METEOROLOGICAL INSTRUMENTS

Aerostatic electric meteorograph. A. A. Ledokhovich. Trudy GGO no. 154 105-108 '64

Construction of thermoelectric psychrometers. L. Z. Prokh. Trudy UkrNIGMI no. 36;83-96 '63.

Determination of soluble impurities in the atmospheric air. IU. I. Turkin, P. F. Svistov. Trudy GGO no. 154 99-104 '64.

Device for measuring the microstructure of clouds and fogs by the method of small angles V. I. Golikov Trudy GGO no. 152 142-159 '64.

Measuring the tangential intensity of wind. N. V. Kucherov. Trudy GGO no 150·140-144 '64.

Method for the measurement of the temporal and spatial structure of air flow. B. D. Panin. Trudy GGO no. 150: 102-106 '64.

Methods for gradient observations in the sea. V. A. Klevantsova, R. S. Bortkovskii, L. IU. Preobrazhenskii. Trudy GGO no. 150.85-98 '64.

METEOROLOGICAL MODELS

Calculating the spectral brightness distribution for a cloudless sky using a two-parameter model of the atmosphere. V. K. Kagan, E P. Riabova Trudy GGO no. 152 16-30 '64.

Multilevel model for geopotential field forecasting based on a small number of parameters. L. V. Rukhovets. Trudy GGO no. 151:17-31 '64.

METEOROLOGICAL OPTICS

Equation determining the importance of information obtained from meteorological satellites and the formulation of inverse problems. G.I. Marchuk. Kosm. issl 2 no.3;462-477 My-Je '64

METEOROLOGICAL RESEARCH

Use of natural H^3 and Be^7 in the study of vertical movements in the atmosphere. V. Lujanas. Trudy AN Lit. SSR. Ser. B no. 1;11-20 '64.

METEOROLOGICAL SATELLITES

Equation determining the importance of information obtained from meteorological satellites and the formulation of inverse problems. G.I Marchuk Kosm. issl. 2 no.3;462-477 My-Je '64.

METEOROLOGY

(see also subdivision under Alma-Ata)

Changes in the fields of meteorological elements taking place during the transformation of an air mass. E. D. Nedezhina. Trudy GGO no. 150;3-13 '64.

Leningrad. Universitet. [Problems in atmospheric physics] Problemy fiziki atmosfery. [Leningrad] No. 2. 1963. 190 p.

METEOROLOGY—OBSERVATIONS

(see also subdivision under Arctic regions; Valday, Lake)

Comparison of the variations of temperature and air moisture in a layer up to 1.5 km using a mechanical meteorograph on a helicopter and an A-22-IV radiosonde. V. I. Selitskaia. Trudy GGO no. 154;85-89 '64.

METEOROLOGY, AGRICULTURAL—TABLES, ETC. see subdivision under Omsk Province; Zhitomir Province

METEOROLOGY, MARITIME

Methods for gradient observations in the sea. V. A. Klevantsova, R. S. Bortkovskii, L. IU. Preobrazhenskii. Trudy GGO no. 150;85-98 '64.

Zubkov, A. E. [Weather forecasting on the sea by local indications] Predskazanie pogody na more po mestnym priznakam. Izd. 2., perer. i dop. Moskva, Izd-vo "Transport," 1964. 141 p.

METHANE

Calculating the multiplicity factor of the recirculation of the products of reaction in the deep thermal chlorination of methane. F. P. Matiakh, V. T. Vdovichenko, O. F. Isaenko. Khim. prom. [Ukr.] no. 1·54-60 Ja-Mr '63.

METHANE (Cont'd)

Laws governing the formation of acetylene in the thermal [illegible] of methane [illegible] I. Kozlov, V. G. Knorre. [illegible] 8 no 5 33-34 '63

Mechanism of the conversion of methane to acetylene in [illegible] F. N. Pertseva, F. N. [illegible] 12 1-12-8 Je '62

[illegible] Part 5: Addition of [illegible] hydrocarbons V S [illegible] Zhur ob khim 34 no 6 [illegible] '64

METHANOL

[illegible] Part 23 [illegible] carbi- [illegible] Izv AN Arm [illegible] '64

[illegible] Part 33 [illegible] esters of vinylethy- [illegible] Izv AN [illegible] 17 [illegible] '64

Effect of temperature, space velocity, and properties of the catalysts on the conversion of methanol to formaldehyde in a fluidized bed A I Vitvitskii, I P Mukhlenova, A IA Averbukh Zhur prikl khim 37 no 5 934-938 My '64

METHODIUS, Saint, Abp. of Moravia, d. 885

Legal documents of Cyrillus and Methodius J Vašica Vop slav iaz no 7 12-33 '63

[illegible] of the first Slavic book translated from the Greek by Cyrillus and Methodius L P Zhukovskaia Vop slav iaz no 7,73-81 '63

METHYLATION

[illegible] molecular orbitals to the [illegible] of Schiff bases Methylation [illegible] E A Mel'nikova IU A [illegible] Zhur [illegible] khim 34 no 5 1512-1517 My '64

Orienting effect in the methylation of benzene by methyl chloride in the presence of aluminum chloride V. V. Molchanova, L. G. Filisnin, I A Alekseeva Izv Sib otd AN SSSR no. 3:80-83 '62

METHYLENE BLUE

Use of the stain dilution curves in the study of blood circulation in heart defects. R S Vinitskaia. Trudy Inst klin.i eksper kard AN Gruz.SSR 8 377-380 '63.

MEZEN' VALLEY—COCHOSTRACA, FOSSIL

New conchostracans from the Ufa stage of the Mezen' Valley N I Molin Paleont.zhur. no 1:76-81 '64

MIASS REGION (CHELYABINSK PROVINCE)—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of metamorphic formations in the Miass region. N.F.Mamaev. Trudy Inst.geol. UFAN SSSR no 65:13-29 '63.

MIASS REGION (CHELYABINSK PROVINCE)—ROCKS, CRYSTALLINE AND METAMORPHIC

New data on the stratigraphy of metamorphic formations in the Miass region. N.F.Mamaev. Trudy Inst.geol. UFAN SSSR no.65:19-29 '63.

MICE AS LABORATORY ANIMALS

Distribution of Listerella within the organism of mice treated with cortisone in subcutaneous infection M N. Solov'eva. Trudy TomNIIVS 14 100-102 '63.

MICHELANGELI, ARTURO BENEDETTI, 1920-

The philosophy of optimism, a letter to the editor. M Sokol'skii. Nov. vrem. 21 no.28 31-32 Jl '64.

MICROBIAL METABOLITES

Comparative studies of the microflora of the rhizosphere of woody plants and some characteristics of its carbon metabolism E I Kozlova, IU A.Gorbenko, V.I. Romanenko Vest Mosk un Ser.6, Biol ,pochv. 18 no 3 35-42 My Je '63

MICROBIOLOGICAL RESEARCH

Changes in the genetic structure of cells under the influence of 5-bromouracil A.O.Skavronskaia. Vest. AMN SSSR 18 no 12 51-62 '63

Genetic recombination in bacteria. A P Pekhov Vest. AMN SSSR 18 no 12 34-43 '63.

Some genetic mechanisms in the formation of L-form bacteria. V S Levashev Vest. AMN SSSR 18 no 12: 64-66 '63.

Some problems concerning the regulation of enzymatic activity and synthesis in bacteria. V.N Gershanovich. Vest. AMN SSSR 18 no 12 74-84 '63.

MICROBIOLOGY

Results of scientific research in the field of microbiology, epidemiology and hygiene in 1962, based on data from the institutes of the Department of Hygiene, Microbiology and Epidemiology of the Academy of Medical Sciences of the U.S.S.R A I Danilov Vest AMN SSSR 18 no.11 73-77 '63

Some general problems of genetics, microbiological research. V D.Timakov. Vest.AMN SSSR 18 no 12:3-13 '63

MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Effect of levomycetin on the inoculation of dysentery cultures. F K.Cherkes and others Lab delo no 6 354-356 '64.

Evaluation of Kheifets' medium for rapid detection of Escherichia coli in washings B A.Garanin Lab.delo no 6 364-366 '64

Experience with the use of the method of emission spectrum analysis for the determination of relative magnesium concentrations in bacterial cultures. G.P Petrova, M.A Nemoitin. Biofizika 8 no.6.731-735 '63

Possibility of using a medium with congo red in bacteriological examination of washings. V.E.Shneiderman, I E Gol'dberg I S Oleinikov Lab delo no 6 367-369 '64

Some remarks about the articles by A.K.Shevchenko, G.A Stychinskii and coauthors A.B.Chernomordik. Lab delo no 6 352-354 '64

Use of Ploskirev's medium with rivanol in bacteriological diagnosis of dysentery V D.Mel'nikov. Lab delo no 6 356-357 '64

MICROBIOLOGY—TECHNIQUE

Use of a microanaaerostat for the growing of staphylococci under conditions of increased concentration of carbonic acid IU V Diachenko Lab.delo no.6 369-370 '64

MICROCLIMATOLOGY

Importance of the spatial variability of temperature for the study of forest microclimate. L.K.Pozdniakov. Izv.Sib.otd.AN SSSR no.6:93-98 '62.

MICROCOCCUS

Crystalline histidine decarboxylase obtained from Micrococcus sp.n. S.R.Mardashev, L.A.Semina. Dokl.AN SSSR 156 no.2:465-466 My '64.

MICRO-ORGANISMS, CELLULOSE-DECOMPOSING

Distribution of cellulose-decomposing micro-organisms in various soils of Moldavia. I.S.Zakharov Izv.Mold.fil.AN SSSR no.7:48-57 '61.

MICRO-ORGANISMS, EFFECT OF DRUGS ON

Comparative evaluation of the antibacterial properties of preservatives used in eye solutions [with summary in English]. IU.I.Zelikson, T.S.Kondrat'eva. Apt.delo 12 no.2:35-37 Mr-Ap '63.

Rational use of antibiotics in the treatment of inflammatory diseases of the bile ducts M S Poliak Vest.khir 91 no 10 35-39 O '63

Resistance of the staphylococcus to antibiotics and characteristics of the course of suppurative infections in children. A.D.Khristich. Khirurgiia 40 no.2:24-29 F '64.

Resistance of trichomonads in cultures to some drugs. IU A Skripitsyn Zap Vor sel'khoz inst 17 no 2 53-56 '62

MICRO-ORGANISMS, PATHOGENIC

Zemskov, V.M. [Weapons of our invisible enemies] Oruzhie nevidimykh vragov. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.11)

MICROPHONE

The microphone and the recording of sound. B.Meerzon. Radio no.3.45-49 Mr '64.

MICROPHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Equipment for microfilm printing and rotary printing] Oborudovanie dlia mikrofotokopirovaniia i rotatornoi pechati. Moskva, 1963. 94 p. (Seriia X: Poligraficheskaia tekhnika, no.5)

MICROSCOPE

New projection microscope for tools. E.Lippert, B.Meier, F Seidner. Stan.i instr. 35 no.5:40-41 My '64.

MICROSCOPY

Device for the projection of microscopic preparations on the screen through the immersion system of a microscope. A.N.Volkov Lab.delo no.16:376-377 '64.

MICROSEISMS see subdivision under Barents Sea; Okhotsk, Sea of

MICROWAVE MEASUREMENTS

Measurement of high-frequency fields in resonators. S.P.Kapitsa, IU.M.TSipenkiuk. Elektron.bol'sh.moshch. no.2.133-147 '63.

Microwave dosimeters. A.N.Vetchinkin and others. Elektron.bol'sh.moshch. no.2:157-166 '63.

Super-high frequency measurements using millimeter paper. S.P.Kapitsa, N.I.Kondrat'ev, IU.M.Petrusevich. Elektron.bol'sh.moshch. no.2:122-132 '63.

Wide-band panoramic wavemeter. S.P.Kapitsa, N.I.Kondrat'ev. Elektron.bol'sh.moshch. no.2:119-121 '63.

MICROWAVE TUBES

Measurement of high-frequency fields in resonators. S.P.Kapitsa, IU.M TSipenkiuk. Elektron.bol'sh. moshch no.2.133-147 '63

MICROWAVES

Contribution to the theory of contactless plungers [illegible] Vainshtein. Elektron.bol'sh.moshch. no.2 [illegible] '63.

Diaphragms for the H_{01} wave in a round waveguide [illegible] Vainshtein, IU.M.Petrusevich, L.A.Prozorov[illegible] tron.bol'sh moshch. no.2 98-108 '63.

Effect of the reflected load on the start conditions of a helitron. A A Kuraev, B N.Romanov Radiotekh i elektron 9 no 6 994-1000 Je '64.

Experimental study of a subharmonic microwave [illegible] tor V F Marchenko, I I Trofimenko Radiotekh i elektron 9 no 5 822-829 My '64

Fourier method for hollow systems with complex form and anisotropic nonuniform filling V.V.Nikol'skii Radiotekh.i elektron. 9 no 4 625-633 Ap '64

Frequency dependence of ferrite noise in the microwave band I A.Deriugin, N.I Liashenko. Radiotekh i elektron 9 no 6 1081-1082 Je '64.

Frequency multiplier with nonlinear capacitance [illegible] Q circuits V.A Dianova and others Radiotekh.i elektron 9 no 6:1079-1081 Je '64

Normal coordinates in the theory of closed resonance circuits L.A.Vainshtein. Elektron.bol'sh.moshch. no.2 75-82 '63.

Special feature of the interaction of a relativistic helical flow of electrons with an electromagnetic wave A.A Kuraev, V.N.Shevchik. Radiotekh.i elektron 9 no 6 1083-1086 Je '64.

Start conditions in E-type generators. A.A Kuraev, B N.Romanov, V.N.Shevchik. Radiotekh i elektron 9 no.6:983-993 Je '64.

Study of phase switching processes in a parametric generator. IU.V.Ponomarev, V.A Rylov Radiotekh i elektron. 9 no.6 976-982 Je '64

MIDDLE CLASSES

The Russian bourgeoisie in the period of capitalism; its characteristics and development. I.F.Gindin. Ist SSSR 7 no.2:57-80 Mr-Ap '63.

MIGRATION, INTERNAL see subdivision under Silesia

MILDEW see subdivision under Dnieper Valley

MILITARISM see subdivision under Germany, West

MILITARY AERONAUTICS see Aeronautics, Military

MILITARY ART AND SCIENCE

Bibliographical work on the military theory legacy of V.I.Lenin. I.Korotkov. Komm.Vooruzh.Sil 4 no [illegible] 91-93 My '64.

For technical knowledge, for skill! E.Dmitriev. Starsh.-serzh. no.6:26-27 Je '64

Necessity and chance in armed combat. S.Tiushkevich Komm.Vooruzh.Sil 4 no.10:37-44 My '64.

On various march routes. P.Gerasimov, V.Zhuravlev, N.Zherebin. Starsh.-serzh. no.6:6-9 Je '64

MILITARY ART AND SCIENCE—BIBLIOGRAPHY see Bibliography—Military art and science

MILITARY ART AND SCIENCE—STUDY AND TEACHING

"Teaching the history of military art in higher military schools." S.Lototskii. Voen.-ist.zhur. 6 no.6: 87-92 Je '64.

MILITARY ART AND SCIENCE—TECHNOLOGICAL INNOVATIONS

To a new height. N.Schastnyi, A.Kiselev. Tekh i vooruzh. no.6:75-77 Je '64.

MILITARY ART AND SCIENCE—TRANSLATING

Spazhev, IU.A., A.A.Filippov, and E.A.IUr'ev. [Course in military translation, English] Kurs voennogo perevoda, angliiskii iazyk. Moskva, Voenizdat. Pt.2. 1964. 478 p.

——— [Supplement] Prilozhenie. 30 p.

MILITARY ASSISTANCE, AMERICAN see subdivision under Guatemala; Vietnam, South

MILITARY ASSISTANCE, RUSSIAN see subdivision under Algeria

MILITARY BASES

Foreign troops on foreign territories. N.Ivanov Mir ekon.i mezhdunar.otn no.6 137-139 '64

MILITARY BRIDGES

Bridge builders have a problem. V.Shidlovskii, P Rizmin, K.IAkovlev. Voen.vest. 42 no.12.12-90 D '62.

MILITARY DISCIPLINE

Basis of military service. G.Pankov. Voen.znan. 40 no.6:12-13 Je '64.

Follow-up of our articles. Komm.Vooruzh.Sil 4 no.13: 96 Jl '64.

MILITARY EDUCATION

(see also subdivision under Kolomna)

By the efforts of commanders and instructors. P.Edemskii. Voen.vest. 42 no.12:107-112 D '62.

Critically give meaning to your work. I. Rosseikin. Komm. Vooruzh. Sil 4 no. 10.54-55 My '64.

The field, the basic training class. Tekh. i vooruzh no 6:2-3 Je '64.

The field, the school of military skill. Komm. Vooruzh. Sil 4 no. 13:3-7 Jl '64.

Field training on the agenda. V. Lisitsyn and others Starsh.-serzh. no. 6:4-5 Je '64.

For militant and active local organizations of the society Voen znan 40 no 6 1-2 Je '64

Increase the ranks of experts in military affairs. Komm. Vooruzh. Sil 4 no 13:65-69 Jl '64.

Individual approach. A. Dubrovskii. Voen. vest 42 no. 12 29-30 D '62

Interest for psychological studies. I Sukhov, M. Gavrashenko. Komm. Vooruzh. Sil 4 no. 10.58-59 My '64

Invitation into tomorrow. R. Turchenko, G Belianin. Sov voin 46 no 13 6-7 Jl '64.

Justify high confidence. A. Zaglada. Komm. Vooruzh. Sil 4 no. 10·57 My '64.

A knowledge of psychology for every officer. S. Zarechin. Komm. Vooruzh. Sil 4 no. 19:64-66 O '63.

Learn from advanced experience. Voen. vest. 42 no 12· 9-13 D '62.

Main direction. V. Osipenkov. Voen. vest 42 no. 12.15-19 D '62.

Summer is the time for intensive combat training. Komm. Vooruzh. Sil 3 no. 13:65-69 Jl '63.

Teach and learn by advanced experience. I. Khalipov. Komm. Vooruzh. Sil 4 no. 13.8-13 Jl '64.

Together with all the community. M. Maslov Voen. znan 40 no 6:31-32 Je '64

Train good sergeants with care. A. Sapronov. Komm. Vooruzh. Sil 4 no. 10 55-56 My '64

University of the future soldier D Petukhov, IA. Gorelik Voen znan 40 no 6:28-29 Je '64

When training places are not sufficient... D. Kozhevnikov Starsh.-serzh. no. 6:14-15 Je '64.

MILITARY ENGINEERING

Belokon', A. P., and V. T. Korneichuk. [Engineer support in an attack of a motorized rifle (tank) battalion (company)] Inzhenernoe obespechenie nastupleniia motostrelkovogo (tankovogo) batal'ona (roty). Moskva, Voenizdat, 1964. 204 p.

The engineer, people, technology. P. Prokhorov. Komm. Vooruzh. Sil 4 no. 19:24-29 O '63.

Maintenance of engineer equipment. G. Smoliovich, V. Zelenov. Tekh. i vooruzh. no. 6:58-60 Je '64

MILITARY ENGINEERS

Combat engineers go in advance. M. Novikov. Voen. znan. 40 no 6 32-33 Je '64

MILITARY HISTORY

Pavlenko, N. G., ed. [Command decisions. Translated from the English] Vazhneishie resheniia. Moskva, Voenizdat, 1964. 353 p.
(CStmoR)

MILITARY HISTORY—BIBLIOGRAPHY see Bibliography—Military history

MILITARY MEDICINE see Medicine, Military

MILITARY MINES see Mines, Military

MILITARY RADAR see Radar, Military

MILITARY RECONNAISSANCE

Fundamental problems of reconnaissance scouts. V. Chumakov. Voen znan 40 no. 6 20-21 Je '64

MILITARY RESEARCH

Militarism against science. I. Grishanko. Nov. vrem. 21 no. 28:10-12 Jl '64.

MILITARY STREAM CROSSING see Stream crossing, Military

MILITARY SUPPLIES

Experience, initiative. Tekh. i vooruzh. no. 6:56, 57, 78-81 Je '64.

It is time to look over the composition of spare parts, tools and accessories. I. Gushchin. Tekh. i vooruzh. no. 6:65 Je '64.

MILITARY SUPPLIES—MAINTENANCE AND REPAIR

Maintenance of engineer equipment. G. Smoliovich, V. Zelenov. Tekh. i vooruzh. no. 6:58-60 Je '64.

Polymers came to the field. V. Zhukov, T. Belova. Tekh. i vooruzh. no. 6:61-63 Je '64.

MILITARY TOPOGRAPHY

Bubnov, I. A., and others. [Military topography; a textbook for military schools of the Soviet Army] Voennaia topografiia; uchebnik dlia voennykh uchilishch Sovetskoi Armii. Moskva, Voenizdat, 1964. 349 p.

MILK—ANALYSIS AND EXAMINATION
(see also subdivision under Kazakhstan)

Skarc', E [illegible]
sis i [illegible]
nie [illegible]
pri [illegible]
Latviiskoi SSR, 1963. 158 p.
(DNAL)

MILK, FERMENTED

Synthesis of vitamin C in sour milk products. B K. Kerimbekov. Izv AN Kazakh. SSR. Ser med. nauk no. 1.56-58 '61.

MILK AS FEED

Raising calves for meat using various feeding rates of whole milk A. A Butkevichene Trudy Bel nauch-issl inst. zhiv 3 202-209 '62

MILKING PARLORS see subdivision under Lugansk Province; Ukraine

MILKY WAY

Distribution of the stars of specific spectral classes within the Milky Way. V. O. Smyrnov. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:87-91 '60.

MILLER, A. K. 1902-1963

In memory of A. K Miller (1902-1963). V. E Ruzhencev. Paleont. zhur. no. 1:149-150 '64.

MILLER, VSEVOLOD FEDOROVICH, 1848-1913

Kaloev, B. A. [V. F. Miller, expert on the Caucasus; studies and materials] V. F. Miller-kavkazoved; issledovanie i materialy. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 198 p.

MILLET—VARIETIES see subdivision under Siberia, Western

MILLING (METALWORK)

Alenin, M. P. [Gear-tooth stocking cutter and finish milling of 45G17IuZ low-magnetic steel] Chernovoe i chistovoe zubofrezerovanie malomagnitnoi stali 45G17IuZ. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 3)

Berdnikov, L. N., G. P. Il'in, and M. A. Shaterin. [Drilling and milling heat-resistant and low-magnetic steels; verbatim record of a lecture delivered at the Leningrad House of Scientific and Technical Information in May 1963] Sverlenie i frezerovanie zharoprochnykh i malomagnitnykh stalei; stenogramma lektsii; prochitannoi v LDNTP v mae 1963 g. Leningrad, 1964. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Mekhanicheskaia obrabotka metallov)

Kuvshinskii, V. V. [Milling] Frezerovanie. Izd. 3., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 61 p. (Nauchno-populiarnaia biblioteka rabochego-stanochnika)

Milling heated built-up parts. B. IA. Borisov, IU. S. Kul'baka. Vest. mashinostr. 44 no. 2:79 F '64.

MILLING MACHINERY see subdivision under Germany, East

MILLING MACHINES

Mechanization of certain operations in manufacturing cutters. A. M. Davidson Stan i instr. 35 no 5:41-43 My '64.

Modernization of vertical milling machines for contour machining of configurated parts A. I IAkovlev. Mashinostroitel' no. 4 15-17 Ap '64.

Semiautomatic eight-position milling and finishing machine. I. M. Shevliakov. Mashinostroenie no. 1:70-73 Ja-F '64

Semiautomatic machine for milling face teeth. I S. Kuz'min. Mashinostroitel' no. 4 10-11 Ap '64.

MILLING MACHINES—ATTACHMENTS

Cutter head for machining gear wheels and racks. I. F. Kuznetsov, A. Kh. Tabak. Mashinostroitel' no 5: 26 My '64.

MILLING MACHINES—NUMERICAL CONTROL

Analysis of electric servosystems of copying milling machines. I. B. Rubashkin. Stan. i instr. 35 no. 5: 3-7 My '64.

MINE BUILDINGS

Concerning the book "Building tower headframes." K. V. Zadykhailo. Shakht. stroi. 7 no. 11:31 N '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Manual of consolidated indices of estimated cost and expense of materials; buildings and structures of the mining industry] Spravochnik ukrupnennykh pokazatelei smetnoi stoimosti i raskhoda resursov; zdaniia i sooruzheniia gornorudnoi promyshlennosti. Izd. ofitsial'noe. Moskva, Stroiizdat.
No. 1. [Utility and service buildings and structures] Zdaniia i sooruzheniia podsobno-proizvodstvennogo i obsluzhivaiushchego naznacheniia. 1964. 177 p.

MINE BUILDINGS—DESIGN AND CONSTRUCTION

Improve the quality in designing mining enterprises. Shakht. stroi. 7 no. 3·1-2 Mr '63.

Three-dimensional design solutions for tower-type headframes for multirope hoists. V. V. Lavrinenko. Shakht. stroi. 8 no. 5:11-15 My '64.

MINE COMMUNICATION SYSTEMS

[illegible] -ol and sig- [illegible] V. K. Donis, [illegible] rudy KNIUI [illegible]

Selecting an optimal frequency multiplex band for telephone and power distribution networks in Karaganda Basin mines. V. K. Donis, V. N. Arakelov, M. G. Gardiman. Nauch. trudy KNIUI no. 11·257-262 '62.

Shiriaev, B. M. [Sparkproof TsB telephone system and apparatus for mine communications] Iskrobezopasnaia sistema i apparatura shakhtnoi telefonnoi sviazi TsB. Moskva, In-t gornogo dela imeni A. A. Skochinskogo, 1962. 20 p.
[MICROFILM]

MINE DRAINAGE
(see also subdivision under Ural Mountains)

Hydraulic conveying of rocks used in drainage operations A. G Taran and others. Shakht stroi 7 no 3 23-24 Mr '63

Type and size of pumping stations for coal and ore mines P E Zurkov, A I Borokhovich Shakht stroi 8 no 4 8-9 Ap '64

MINE DRAINAGE—EQUIPMENT AND SUPPLIES

Khokhlovkin, D. M. [New drilling methods and new design filters for mine drainage and artesian wells] Novye sposoby bureniia i novye konstruktsii fil'trov dlia vodoponizhaiushchikh i arteziansikh skvazhin. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 31 p. (Seriia: Tekhnologiia i ekonomika podzemnoi dobychi uglia)
[MICROFILM]

MINE DUSTS
(see also subdivision under Great Britain)

Contact of particles in dust passages with the movement of the dusty air current. I. P. Petrov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:92-96 '64.

Dustiness of the air during underground mining of shell limestone V T Trusii Sbor nauch. trud KGRI no 21.127-133 '63.

MINE DUSTS—PREVENTION

Experimental and analytical method of calculating parameters of the wetting of a mine section. A S Burchakov, V. V. Liventsev Ugol' 39 no. 6:56-62 Je '64.

MINE DUSTS—REMOVAL

Undertaking worthy of dissemination V. Gerbutov, A. Kachur, N. Petrova. Sov shakht 12 no. 9:18-19 S '63

MINE EXPLOSIONS—SAFETY MEASURES

First results of using hydraulic fracturing and washout to control sudden outbursts of coal and gas. I. M. Pechuk, A. N. Kul'bachnyi Sbor. trud. Inst. gor. dela AN URSR no. 13 74-89 '63.

MINE FILLING
(see also subdivision under Donets Basin)

Cost of maintaining workings while filling longwalls of steeply pitching seams with rock. A. G. Surkov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:88-91 '64.

Estimating the ability of a hardenable mixture to be transported through pipes. E. E. Miroshnik, A. N. Dzhakupbaev. Trudy Inst. gor. dela AN Kazakh. SSR 13:120-123 '64

MINE FIRES—PREVENTION AND CONTROL

Investigating the transportation of atomized liquid by a ventilating current. V. M. Sukharevskii, V. I. Saranchuk, M. I. Brainin. Sbor. trud. Inst. gor. dela AN URSR no. 13. 113-123 '63.

MINE GASES
(see also subdivision under Moscow Basin)

Effect of the petrographic composition of coals on their content of absorbed methane. A. P. Bakaldina. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:10-12 '64.

Gas-dynamic phenomena in potash mines. M. A. Patrushev. Sbor. trud. Inst. gor. dela AN URSR no. 13:105-112 '63.

Methane liberation during the operation of high-speed plows in seams with a high gas content. S. N. Osipov. Ugol' Ukr. 8 no. 5.47-48 My '64.

Mining area used as an object for regulating concentrations of methane. I. M. Mester. Nauch. trudy KNIUI no. 11:155-162 '62.

Structural parameters and results of the industrial testing of telemetering apparatus for measuring methane concentrations in mine air. I. M. Mester and others. Nauch. trudy KNIUI no. 11:299-313 '62.

MINE HAULAGE

Determining the optimal length of panels in the mining of inclined Mirgalimsay-type deposits and using railless transportation equipment. V. Sh. Sharipov, D. M. Kazybekov. Trudy Inst. gor. dela AN Kazakh. SSR 13: 163-167 '64.

Economic comparison of various means of transportation for the underground haulage of gypsum stone in the Novomoskovskii Gypsum Combine. D. B. Kozhakhmedov, O. E. Makhova. Trudy Inst. gor. dela AN Kazakh SSR 13:127-137 '64.

Hydraulic conveying of rocks on the surface of mine undergoing construction. D. A. Levitskii, N. S. Bolotskikh. Ugol' Ukr. 8 no. 5:32-33 My '64.

MINE HAULAGE [illegible]

[illegible] 4 24-

[illegible] of a loading part of a belt conveyer [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 [illegible]

[illegible] self-propelled mining machines [illegible] Filippov, O. IU. [illegible] Trudy Inst. gor. dela AN Kazakh. SSR [illegible]

[illegible] seams in sections of the [illegible] with the use of self-propelled [illegible] Trudy Inst. gor. dela AN Kazakh. SSR 13:132-135 '64

[illegible], R. I., and M. M. Petrov. [High power conveyers] Konveiery bol'shoi moshchnosti. Moskva, Izd-vo "Mash[illegible]stroenie," 1964. 428 p.

MINE HAULAGE—EQUIPMENT AND SUPPLIES

[illegible] for [illegible] operation [illegible] P. Akseno[illegible], IU. I. [illegible] 11 Mr '63

S[illegible] type of drive of railless machines for the transportation of ore in underground workings. S. S. [illegible] Trudy Inst. gor. dela AN Kazakh. SSR 13:85-92 '64

MINE HAULAGE—STANDARDS

[illegible] for the removal of rocks by [illegible] V. P. La[illegible]zhitskii, [illegible] 7 no. 3:11-12 Mr [illegible]

MINE HOISTING
(see also subdivision under Donets Basin)

[illegible] operation of oil systems [illegible] A. I. P[illegible], V. V. [illegible] 4:15 Ap '64

[illegible] operation of an asynchronous motor with a double [illegible] in the drive of a multirope hoist. [illegible] Vasil'ev[illegible], M. A. Chertkov. Izv. vys. ucheb. zav.; gor. zhur. [illegible] no. 4:[illegible] '64

Three-dimensional design solutions for tower-type headframes for multirope hoists. V. V. Lavrirenko. Shakht. stroi. 8 no. 5:11-15 My '64

MINE HOISTING—BRAKES

Results of using controlled mercury-arc rectifiers for dynamic braking of a mine hoisting machine. V. A. Kotliar. Nauch. trudy KNIUI no. 11:205-207 '62.

MINE HOISTING—ELECTRIC DRIVING

Changing the speeds of a hoisting machine with drive from an asynchronous motor in stepped-relay multiposition control. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:224-231 '62.

Fast-reaction system of stepped-relay control for mine hoisting machinery with asynchronous drive. G. E. Ivanchenko. Nauch. trudy KNIUI no. 11:213-221 '62.

New electric apparatus for the control of an asynchronous drive of hoisting equipment in mine construction. M. N. Vasilevskii, E. L. Kogan, M. I. Stolbun. Shakht stroi 7 no. 11:13-16 N '63

Studying the stepped-relay system of automatic control of a hoisting machine with an asynchronous drive by means of a phase plane. IU. S. Levidov. Nauch. trudy KNIUI no. 11:208-213 '62.

MINE HOISTING—FOUNDATIONS

Lightweight foundations under fans and hoisting machinery. D. D. Sintsov, A. A. Kerevich. Shakht. stroi. 7 no. 11:9-10 N '63.

MINE HOISTING—PNEUMATIC DRIVE

Pneumatic hoisting of coal. IU. F. Savenko. Ugol' Ukr. 8 no. 5:34 My '64

MINE LIGHTING

New "Svet-2" lamp for lighting mine shafts. D. I. Tokarovskii, N. L. Sheviakov. Shakht. stroi. 7 no. 11:16-18 N '63

MINE MANAGEMENT

Brigade, brigade captain, and mine foreman. N. Mokhov. Sov. shakht. 12 no. 9:20-25 S '63.

A single brigade, review of readers' letters. Sov. shakht. 12 no. 1:19-20 Ja '63.

MINE MAPS

Determining real platforms according to graphic representation. V. A. Bukrinskii. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:73-75 '64.

MINE RAILROADS
(see also subdivision under Leningrad Province)

Creating efficient operating conditions and selecting the optimal corresponding energy for strip mining equipment. B. Zh. Kul'dzhanov, B. Kh. IUsupbekov. Trudy Inst. gor. dela AN Kazakh SSR. 13:138-147 '64.

Efficiency in using continuous track-moving machines in coal strip mines in the Ukraine. A. A. Chernegov. Ugol' Ukr. 8 no. 5:29-30 My '64.

MINE RAILROADS—CARS
(see also subdivision under Nikopol' region, Dnepropetrovsk Province)

Semiautomatic coupling for mine cars. V. M. Kolmakov and others. Shakht. stroi. 7 no. 3:27 Mr '63

MINE RAILROADS—EQUIPMENT AND SUPPLIES

Operating conditions of a TTs-4, 5 chain pusher. Z. N. Petrusenko. Ugol' Ukr. 8 no. 5:35-36 My '64.

MINE RAILROADS—MAINTENANCE AND REPAIR

Replacing excavator turn-around support rails in a strip mine. IU. G. Svinukhin. Ugol' Ukr. 8 no. 4:48 Ap '64

MINE ROOF BOLTING
(see also subdivision under Kuznetsk Basin)

Chemical method of rod fastening. N. I. Nabokin, G. P. Kiselev. Shakht. stroi. 7 no. 3:19-20 Mr '63

Wooden rod bolting. G. Kuz'min, A. Shirokov. Sov. shakht. 12 no. 1:17 Ja '63

MINE ROOF BOLTING—EQUIPMENT AND SUPPLIES

Machine for preparing wooden rod bolting. V. A. Kichaev. Shakht. stroi. 7 no. 3:26 Mr '63.

MINE SURVEYING

Calculating the weight of the exit side of a base network. P. I. Efimov. Sbor. nauch. trud. KGRI no. 21:164-165 '63

Oglobin, D. N., and A. N. Omel'chenko, eds. [Mine surveying in socialist countries] Marksheiderskoe delo v sotsialisticheskikh stranakh; nauchno-tekhnicheskii sbornik. Moskva, Izd-vo "Nedra," 1964. 359 p.

Results of studying the "Balakhovskii" conveyor bridge. N. G. Zhukov. Sbor. nauch. trud. KGRI no. 21:160-169 '63

MINE SURVEYING—EQUIPMENT AND SUPPLIES

Possibility of using the OTSH micrometer theodolite in mine surveying. D. N. Oglobin, D. V. Brezhnev. Ugol' 39 no. 6:28-29 Je '64.

Study of the DA-2 depth gauge. A. A. Fedorovskii, V. S. Chichkan, V. T. Garbuz. Sbor. nauch. trud. KGRI no. 21:158-164 '63.

MINE TIMBERING
(see also subdivision under Karaganda Basin; Krivoy Rog Basin; Kuznetsk Basin)

Hypothesis of rock pressure in deep mine workings. M. V. Sosnovskii. Ugol' Ukr. 8 no. 5:48-49 My '64

Il'shtein, A. M., V. I. Gaidukov, and I. A. Zakutskii. [Settling of the roof without battery stulls in longwalls of flat seams] Bezorgannaia posadka krovli v lavakh pologikh plastov. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 51 p. (Seriia: Tekhnologiia i ekonomika podzemnoi dobychi uglia)
[MICROFILM]

Lining a crusher chamber with the help of a hanging scaffold. IA. L. Klykov and others. Shakht. stroi. 7 no. 3:20-31 Mr '63.

Preserving development workings with posts made of precast reinforced concrete. V. E. Kardakov, G. K. Bespartochnyi. Ugol' Ukr. 8 no. 5:37-39 My '64.

Reinforcement of rocks to control deformations of the benches and slopes of strip mines. V. F. Beliaev and others. Shakht. stroi. 8 no. 5:4-7 My '64.

Some considerations about the stability of mine workings during the mining of deep levels. A. P. Maksimov. Shakht. stroi. 8 no. 5:8-11 My '64.

Taking apart a protective pillar during the deepening of a vertical shaft. G. M. Alekseenko. Shakht. stroi. 8 no. 4:27-28 Ap '64

Testing the strength of bunton embeddings. A. S. Bessmertnyi. Ugol' Ukr. 8 no. 5:51-52 Ap '64.

Unsupported roof cap sets maintained in stock for short-term mining operations. G. I. Val'shtein, A. S. Volkov. Shakht. stroi. 7 no. 3:25 Mr '63

MINE TIMBERING—COSTS
(see also subdivision under Kuznetsk Basin)

Cost of maintaining workings while filling longwalls of steeply pitching seams with rock. A. G. Surkov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:88-91 '64.

MINE TIMBERING—TABLES, CALCULATIONS, ETC.

Heat engineering calculations for concrete supports erected in a zone of frozen ground. A. T. Miagkov. Shakht. stroi. 7 no. 11:5-7 N '63.

MINE TIMBERING—TESTING

Experimental work is needed. I. G. Zhivaga. Ugol' Ukr. 8 no. 5:49-50 My '64.

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Mine testing of industrial sections made of reinforced concrete supports; brief scientific report] [illegible] Moskva, [illegible]
[MICROFILM]

Protection of haulage drifts by reinforced concrete posts. V. E. Kardakov. Ugol' 39 no. 6:25-28 Je '64.

MINE VALUATION

Review of the book "Geological and industrial evaluation of coal deposits." V. S. Tsypkin and others. Ugol' 39 no. 6:76 Je '64.

MINE VENTILATION
(see also subdivision under Krivoy Rog Basin; L[illegible] Volyn' Basin)

Analysis of various telemetering systems and [illegible] the technical conditions for telemetering [illegible] the parameters of mine air. I. M. Mester. Na[illegible] KNIUI no. 11:283-292 '62.

Basic criteria for selecting systems of telemetering [illegible] parameters of mine air. I. M. Mester. Nauch. [illegible] KNIUI no. 11:277-283 '62.

Calculation of the resistance of stoping blocks in [illegible] ventilation systems with drift collectors. [illegible] Sbor. nauch. trud. KGRI no. 21:133-135 [illegible]

Effect of air leakage on the selection of a flow [illegible] working coal deposits. K. I. Tatomir, I. M. An[illegible] Sbor. trud. Inst. gor. dela AN URSR no. 13 [illegible]

Effect of the layout of air feeding and air [illegible] on the distribution of air in ventilation systems [illegible] Frolov. Sbor. nauch. trud. KGRI no. 21 [illegible]

Efficient speeds of air circulation according to the carrying out of dust on the scraper levels. [illegible] I. B. Oshmianskii, D. M. Tokarchuk. Sbor. [illegible] KGRI no. 21:122-127 '63

Fundamentals of the theory of calculation of the [illegible] tion regimes for simultaneously operating fans. [illegible] E. I. Rogov. Vest. AN Kazakh. SSR 19 no. [illegible] '63.

Heat exchange in deep level chambers. [illegible] Sbor. nauch. trud. KGRI no. 21:103-105 [illegible]

Investigating the transportation of atomized liquid by a ventilating current. V. M. Sukharevskii, V. I. [illegible] M. I. Brainin. Sbor. trud. Inst. gor. dela AN URSR [illegible] 113-123 '63.

Lowering aerodynamic resistance in mine shafts. [illegible] Bevz. Sbor. nauch. trud. KGRI no. 21:109-110 [illegible]

Method and equipment for studying the dispersiveness of an atomized liquid in mine workings. V. N. [illegible]chenko. Sbor. trud. Inst. gor. dela AN URSR no. 13 124-127 '63.

Reversing the ventilating current. G. K. Dymchuk. [illegible] nauch. trud. KGRI no. 21:153-156 '63.

Structural parameters and results of the industrial testing of telemetering apparatus for measuring [illegible] concentrations in mine air. I. M. Mester and others. Nauch. trudy KNIUI no. 11:299-313 '62.

Using plastics for lowering the ventilation resistance [illegible] mine workings. T. D. Bevz. Sbor. nauch. trud. KGRI no. 21:135-138 '63.

Ventilating a unit of blind workings. V. G. Slusare[illegible] Sbor. nauch. trud. KGRI no. 21:148-152 '63.

Ventilation of mine shaft bottoms. V. A. Rusin, [illegible] Sualin, V. P. Afanas'ev. Sbor. trud. Inst. gor. dela AN URSR no. 13:90-96 '63.

MINE VENTILATION—CONGRESSES

Conference of the commission of the State Committee of the Soviet of Ministers of the U. S. S. R. on the Coordination of Scientific Work. Ugol' Ukr. 8 [illegible] 66 Ap '64.

MINE VENTILATION—EQUIPMENT AND SUPPLIES

Aerodynamic resistance of hydraulic heating equipment. A. A. Nemchenko, G. K. Dymchuk, A. M. K[illegible] Sbor. nauch. trud. KGRI no. 21:110-115 '63.

Automatic condensation tap in heating equipment without fans. U. IU. Ibikus, N. I. Karasev, V. N. Shatokhin. Nauch. trudy KNIUI no. 11:236-240 '62.

Automatic control of heating equipment without fans. U. IU. Ibikus and others. Nauch. trudy KNIUI no. 11:[illegible] 236 '62.

Location for the arrangement of portable ventilation equipment in strip mines. V. M. Dubenchuk. Sbor. nauch. trud. KGRI no. 21:156-158 '63.

Regulating the thermal conditions of mine air with the help of heat exchangers. A. A. Nemchenko. Sbor. nauch. trud. KGRI no. 21:139-140 '63.

MINERAL INDUSTRIES—CONGRESSES

Fourth International Mining Congress. Ugol' 39 no. 6:73 Je '64.

MINERAL WATERS
(see also subdivision under Caucasus; Karaganda Province; Istisu, Azerbaijan; Virgin Territory)

Effect of some food products and mineral waters on the motor function of the small intestine in chronic colitis. A. G. Saakian, I. S. Nanaziashvili. Vop. pit. 22 no. 6: 21-26 N-D '63.

MINERALOGY
(see also subdivision under Dnieper Valley)

Concerning IE. K. Lazarenko's book "Course in mineralogy," Part 3. D. I. Horzhovs'kyi, IE. M. Las'ko. Geol. zhur. 23 no. 4:110-111 '63.

Melting incongruence of minerals under the conditions of pressure variation. V. S. Sobolev. Dokl. AN SSSR 156 no. 2:341-344 My '64.

Soveshchanie po litologii i mineralogii osadochnykh porod. Baku, 1956. [Transactions of the Conference on the Lithology and Mineralogy of Sedimentary Deposits] Trudy Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961. 265 p. illus., plates, maps, diagrs., tables (OkU)

MINERALOGY, DETERMINATIVE see subdivision under Tuarkyr region

MINERALS

Calcium "seidozerite," a new variety of "seidozerite." A. M. Portnov. Dokl. AN SSSR 156 no. 2 338-340 My '64

Interaction of the oxy forms of oleic acid with the surface of some minerals. V. I. Solnyshkin, S. A. Parshenkov. Dokl. AN SSSR 156 no. 2 424-426 My '64.

New mineral "tikhonenkovite" SrALF4(OH).H_2O. A. P Khomiakov and others. Dokl. AN SSSR 156 no. 2 345-347 My '64.

MINERALS IN PLANTS

Akademiia nauk SSSR. Institut fiziologii rastenii. [Role of mineral elements in the metabolism and productivity of plants] Rol' mineral'nykh elementov v obmene veshchestv i produktivnosti rastenii. Moskva, Izd-vo "Nauka," 1964. 358 p.

MINERALS IN THE BODY

Determining the amount of mineral water in the bones of animals I. L. Rudakov Zap Vor sel'khoz inst 17 no 2 261-266 '62.

MINERS—DWELLINGS

He does as he pleases. S. Morenkov. Sov. shakht. 12 no. 1:29 Ja '63.

MINES, MILITARY

On Algerian soil M. Novikov. Starsh.-serzh. no. 6: 30-31 Je '64

MINES AND MINERAL RESOURCES
(see also subdivision under Kursk Magnetic Anomaly)

Looking at the map of the U.S.S.R.; inexhaustible mineral wealth M. F. Grin. Priroda 53 no. 7:2-3 '64.

Selection and evaluation of the method of mechanizing and automating ore mining processes. V. Sh. Sharipov. Trudy Inst. gor. dela AN Kazakh. SSR 13:3-14 '64

MINING ENGINEERING
(see also subdivision under Dzhezkazgan region, Kazakhstan; Mirgalimsay region, Kazakhstan; Sokol region, Kazakhstan)

Appeal by the participants of the All-Union congress on the exchange of work practices in the construction of enterprises for the coal and ore industry to all workers, scientists, engineers, technicians and employees. Shakht. stroi. 7 no. 11 3-5 N '63.

Astakhov, A. S. [Linear programming in mining] Lineinoe programmirovanie v gornom dele. Moskva, Izd-vo "Nedra," 1964. 143 p.

Calculating the time factor in the economic evaluation of different mine construction and reorganization solutions. A. M. Piatkin. Ugol' Ukr. 8 no. 4:34-36 Ap '64.

Fugzan, M. D. [Practice of single-stage mining of thick ore deposits with large-scale breaking down] Opyt odnostadiinoi razrabotki moshchykh rudnykh mestorozhdenii s massovoi otboikoi. Moskva, Izd-vo "Nedra," 1964. 130 p.

Graphoanalytical method of calculating basic parameters for the mining cycle. N. I. Makarov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:54-60 '64.

Investigation of the stressed state of rocks in front of the face in development workings. A. P. Fedotov, A. I. Surkov. Shakht. stroi. 8 no. 4:4-6 Ap '64.

Rapid crosscutting with the use of the PML-9 loading machine. G. O. Kunets, N. A. Dolinskii, A. T. Stoianov. Shakht. stroi. 8 no. 5:21-22 My '64.

Recovery of pillars in mining valuable ores. I. Z. Lysenko. Vest. AN Kazakh SSR 19 no. 8:13-20 Ag '63.

Some considerations about the stability of mine workings during the mining of deep levels. A. P. Maksimov. Shakht. stroi. 8 no. 5:8-11 My '64.

Using the continuous mining system with radial advancement of the face. N. V. Mishchenko, O. P. Nekrasov, V. N. Mishchenko. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4:20-25 '64.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—CONGRESSES

All-Union Scientific Technological Congress of Mine Builders. Shakht. stroi. 7 no. 11:1 of cover. N '63.

Build mining enterprises faster, cheaper and better. Shakht. stroi. 7 no. 11:1-2 N '63.

Scientific conference on the use of progressive techniques and equipment for boring and blasting operations in the mining industry. G. S. Cherepanov. Shakht. stroi. 8 no. 5:30-31 My '64.

Scientific technological congress of mine builders. G. Liubenko. Shakht. stroi. 7 no. 11:30 N '63.

MINING ENGINEERING—COSTS

Cost of maintaining haulage drifts depending on the mining depth. K. I. Tatomir and others. Sbor. trud. Inst gor. dela AN URSR no. 13:138-143 '63.

Economic efficiency of deepening shafts by several levels. A. S Es'kov. Shakht. stroi 8 no 5:15-16 My '64.

MINING ENGINEERING—DICTIONARIES

Concerning the French-Russian mining dictionary. IU. G Koniashin Shakht stroi. 7 no. 11 31-32 N '63.

MINING ENGINEERING—SAFETY MEASURES

This is how interest in the subject deepens. N. F. Grashchenkov, T. E. Gumeniuk, V. M. Maliarevskii. Vest. vys. shkoly 22 no 5.49-50 My '64.

MINING ENGINEERING—STUDY AND TEACHING

Study and work go hand in hand. Sov. shakht. 12 no. 1:23-25 Ja '63.

Training of specialist in the coal industry. A. B. Zhelobko, F. A. Gavrichkov. Ugol' 39 no. 6:55 Je '64.

MINING GEOLOGY
(see also subdivision under Krivoy Rog Basin)

Flow sheet for preparing a new mine level under complex mining and geological conditions. A. A. Chalyi, G. V. Kudravets, A. I. Amosha. Sbor. trud. Inst. gor. dela AN URSR no. 13:26-31 '63.

Principles of mining engineering in the system of earth sciences. G. I. Man'kovskii. Izv. AN SSSR. Met. i gor delo no. 3:179-182 My-Je '64.

Review of the book "Geological and industrial evaluation of coal deposits." V. S. Taypkin and others Ugol' 39 no. 6:76 Je '64.

MINING INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Dzhezkazgan region, Karaganda Province)

Rudinkin, IU. A. [Amortization of capital assets in the mining industry] Amortizatsiia osnovnykh fondov v gornoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 67 p. (Konkretnaia ekonomika dlia gorniakov)

MINING MACHINERY

Breaking off ore through small diameter blastholes in Dzhezkazgan with the use of self-propelled equipment. D. O. Eshpanov, A IA. Kulakov Trudy Inst. gor. dela AN Kazakh. SSR 13:78-84 '64.

Breaking off ore with the use of self-propelled equipment at the Dzhezkazgan Mine. D. O. Eshpanov and others Trudy Inst. gor. dela AN Kazakh. SSR 13:73-77 '64

Chekarev, V. A., ed. [Mining with cutter-loaders] Provedenie vyrabotok kombainami. [Moskva] Izd-vo "Nedra," 1964. 189 p.

Equations of the external dynamics of mining machinery. A. N. Efimov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4: 110-118 '64.

Rapid crosscutting with the use of the PML-9 loading machine. G. O. Kunets, N. A. Dolinskii, A. T. Stoianov. Shakht. stroi. 8 no 5:21-22 My '64.

Selection and evaluation of the method of mechanizing and automating ore mining processes. V. Sh. Sharipov. Trudy Inst. gor. dela AN Kazakh. SSR 13:3-14 '64.

Standard device for measuring the hardness of internal hardened and unhardened surfaces of cylinders I. A Begagoen, V. I. Bykov Sbor. nauch trud. KGRI no 21: 179-183 '63.

Testing a diesel-powered bulldozer with a catalytic exhaust scrubber. R. M. Popovichenko, S K. Kozhakanov. Vest. AN Kazakh. SSR 19 no. 6 33-39 Je '63.

Theory of the analytical calculation of the kinematic and geometric parameters of the separation of cuttings from the massif by the cutters of a disk-type actuating mechanism of mining machinery. V. G. Ungefug. Nauch. trudy KNIUI no. 11:35-81 '62.

MINING MACHINERY—ABSTRACTS

[Mining machinery] Ref. zhur.: Gor. mash. no. 7 Jl '64.

MINING MACHINERY—ELECTRIC DRIVING
(see also subdivision under Dzhezkazgan region, Kazakhstan)

Effect of power supply systems of a section on the operation of self-propelled equipment. IU. F. Georgiev, O. A. Shol', E. V. IUpatov. Trudy Inst. gor. dela AN Kazakh. SSR 13:115-119 '64.

MINING MACHINERY—MAINTENANCE AND REPAIR see subdivision under Kustanay Province

MINING MACHINERY—PNEUMATIC DRIVE

[illegible] K. I. [illegible] A. [illegible] AN Kazakh. [illegible] '64

MINING MACHINERY—RELIABILITY

[illegible] Moskva, Izd-vo "Nedra," 1964. 53 p.

MINING MACHINERY—SAFETY MEASURES

Decrease in the toxicity of gases exhausted by transport machinery in the mining industry. V. G. Chalabov, R. V. Malov. Izv AN Arm SSR. Ser. tekh. nauk 17 no. 2:76-79 '64.

MINING MACHINERY—TESTING see subdivision under Ural Mountains

MINK FARMING

Growth of mink as related to the conditions of maintenance, feeding, and the character of selection. G A. Kuznetsov and others. Nauch. trudy Nauch.-issl. inst. push. zver i krol. 4:3-28 '63.

MINKS—FEEDING AND FEEDS

Sulfur metabolism in foxes and minks. A. L. Paducheva, I. G. Povetskii, M IA. Shapovalova. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4: 120-125 '63.

MINSK—APARTMENT HOUSES

Microdistrict in northeastern Minsk. Biul. stroi. tekh. 21 no 1 37 Ja '64

MINSK—AUTOMOBILE INDUSTRY

New motor vehicles of the Minsk Automobile Plant. L. Gilcles. Avt transp 42 no. 6:43-47 Je '64.

MINSK—TRACTOR INDUSTRY—ACCOUNTING

Business accounting in production sections of a workshop A Kokhan Plan. khoz. 41 no 7 64-68 Jl '64.

MINSK—TRACTOR INDUSTRY—COSTS

Analysis of carrying out the plan for workshop expenditures with the aid of electronic computers V. Lukin. Plan khoz 41 no. 7 71-76 Jl '64

MINSK—TROUT

Respiration of eggs of the rainbow trout (Salmo irideus Gibb., 1855). E. A. Baravik. Vestsi AN BSSR. Ser. biial. nav. no. 3:111-115 '63.

MINTOFF, DOMINIC, 1916-

Dominic Mintoff. Nov. vrem. 21 no. 27:17 Je '64.

MINUSINSK BASIN—KIRGHIZ

Distribution and composition of the Yenisei Kirghiz in the 17th century. A. Abdykalykov. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 3:65-75 '63.

MIRGALIMSAY REGION (KAZAKHSTAN)—MINING ENGINEERING

Determining the optimal length of panels in the mining of inclined Mirgalimsay-type deposits and using railless transportation equipment. V. Sh. Sharipov, D. M. Kazybekov. Trudy Inst. gor. dela AN Kazakh. SSR 13: 163-167 '64.

MISHOVDAG OIL FIELD—ROCKS, SEDIMENTARY

Certain data on the petrography of the producing series of the Mishovdag region in Azerbaijan. A. A. Guseinov. Azerb neft khoz 42 no. 9:9-11 S '63

MISSIONS, IRISH

Irish mission at the Pannonian and Moravian Slavs. A. V. Isachenko. Vop. slav. iaz. no. 7:43-72 '63.

MITES
(see also subdivision under Georgia; Issykkul' region; Polesye; Sary-Ishikotrau; Terskei Alatau; Tien Shan Province; Transbaikalia; Ukraine; Uzgen region)

Materials on the taxonomy of predatory mites of the family Cheyletidae. Pt. 6: Genus Ornithocheyletia Volgin gen. n V. I. Volgin. Zool. zhur. 43 no. 1:28-36 '64

I. N. Meshalkin. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:645-650 '63.

Some results and prospects of surgical treatment of mitral defects of the heart. P. A. Kuprilanov, A. P. Kolesov, T. G. Blestkina. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:609-612 '63.

Surgical treatment of mitral stenosis in the 4th and 5th stages. F. G. Uglov. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:585-589 '63.

[illegible]

[illegible]

[illegible]

[illegible] in the economy of [illegible] / Burzhuaznaia [illegible] iskusstva [illegible], 1961. 38 p. [illegible] Literatura [illegible]

[illegible]

[illegible] I.G. [illegible]

[illegible]—DAIRY CATTLE BREEDING

[illegible]

[illegible]—MEASUREMENT

[illegible] nauchno-tekhnicheskoi [illegible]. [Determination [illegible] in the alcohol, liquor and vodka industries] [illegible] v spirtovoi i likero-vo[illegible]. Moskva, 1963. 26 p. [MICROFILM]

[illegible] 2 [illegible] meter for determin[illegible] products S A [illegible] 6 no.7 36-37 Jl '62.

MOLDAVIA—ALGAE, FOSSIL

[illegible] of Moldavia. [illegible] Izv. [illegible] no 6:74-83 '61

MOLDAVIA—ANATOMY, PATHOLOGICAL

[illegible] Scientific Society of [illegible] 1961-1962 [illegible] Arestiadi [illegible] pat 25 no 10 76 '63

MOLDAVIA—BACTERIA, PHOSPHORUS

[illegible] tricalcium phosphate [illegible] N V.Sergeeva, [illegible] no.7:66-71 '61.

MOLDAVIA—BEECH

[illegible] in the beech forests of [illegible] N M.Gorshenin, [illegible] zav., les zhur. 6 [illegible]

MOLDAVIA—CHERNOZEM SOILS

[illegible] of the northern half of Moldavia. I A. [illegible]. Izv.Mold.fil.AN SSSR no.7: [illegible] '61

MOLDAVIA—FARM MECHANIZATION—FINANCE

[illegible] credit to farm [illegible] I Zatsar-[illegible] 22 [illegible] '64

MOLDAVIA—FOREST MANAGEMENT

[illegible] cutting system in the beech forests of [illegible] area of Carpathia. N. M. Gorshenin, [illegible] Izv.vys.ucheb.zav., les.zhur. 6 [illegible]

MOLDAVIA—FRUIT CULTURE

In the orchards of Moldavia. E.G Goncharenko Zashch rast ot vred i bol 9 no 6:8-9 '64.

MOLDAVIA—GAS, NATURAL—GEOLOGY

Underground waters of Lower and Middle Sarmatian deposits in the southern part of the Dniester-Prut interfluve in connection with the estimation of the outlook for the presence of oil and gas in the area S T. Vznuzdaev Izv Mold fil AN SSSR no.6:3-15 '61.

MOLDAVIA—GEOLOGY, STRUCTURAL

Recent data on underground waters and tectonic dislocations in Cambrian and Riphean formations of the Moldavian section of the Dniester Valley S.T.Vznuzdaev. Izv Mold fil.AN SSSR no 6:35-46 '61.

MOLDAVIA—HISTORY—STUDY AND TEACHING

Our suggestions. I.Iovva. Ist.SSSR 8 no.1.237 Ja-F '64.

MOLDAVIA—PETROLEUM GEOLOGY

Underground waters of Lower and Middle Sarmatian deposits in the southern part of the Dniester-Prut interfluve in connection with the estimation of the outlook for the presence of oil and gas in the area. S.T. Vznuzdaev Izv. Mold.fil.AN SSSR no.6:3-15 '61.

MOLDAVIA—PRECAST CONCRETE

Golovenko, N.A. [Precast reinforced concrete industry of Moldavia and its raw material base] Promyshlennost' sbornogo zhelezobetona Moldavskoi SSR i ee syr'evaia baza. Pod red. A. A. Vorob'eva. Kishenev, Karta Moldoveniaske, 1964. 96 p.

MOLDAVIA—SOIL BIOLOGY

Characteristics of Moldavian soils based on their biological activity. S.IA. Mekhtiev. Izv. Mold. fil. AN SSSR no.7:58-65 '61.

Toxicity of some Moldavian soils in relation to Azotobacter. V.I.Sabel'nikova. Izv.Mold fil.AN SSSR no.7: 72-80 '61

MOLDAVIA—SOIL MICRO-ORGANISMS

Distribution of cellulose-decomposing micro-organisms in various soils of Moldavia. I.S.Zakharov. Izv. Mold. fil.AN SSSR no.7:18-57 '61.

MOLDAVIA—SOILS—PHOSPHORUS CONTENT

Forms of potassium and phosphorus in the packed Chernozems of Moldavia. V.P.Gratt, N.A.Turturianu. Izv.Mold.fil.AN SSSR no.7,33-40 '61.

MOLDAVIA—SOILS—POTASSIUM CONTENT

Forms of potassium and phosphorus in the packed Chernozems of Moldavia. V.P.Gratt, N A.Turturianu. Izv.Mold fil.AN SSSR no 7;33-40 '61.

MOLDAVIA—SPRAYING AND DUSTING EQUIPMENT

Resuming work L.T.Krizhevskii. Zashch.rast.ot vred.i bol. 9 no.6:19-20 '64.

MOLDAVIA—SPRAYING AND DUSTING IN AGRICULTURE

In the orchards of Moldavia. E.G Goncharenko. Zashch rast.ot vred.i bol. 9 no.6:8-9 '64.

MOLDAVIA—WATER, UNDERGROUND

Recent data on underground waters and tectonic dislocations in Cambrian and Riphean formations of the Moldavian section of the Dniester Valley. S.T.Vznuzdaev. Izv.Mold.fil.AN SSSR no.6:35-46 '61.

MOLDAVIA—WATER, UNDERGROUND—COMPOSITION

Underground waters of Lower and Middle Sarmatian deposits in the southern part of the Dniester-Prut interfluve in connection with the estimation of the outlook for the presence of oil and gas in the area S.T. Vznuzdaev. Izv.Mold.fil AN SSSR no.6:3-15 '61

MOLDAVIA—WEED CONTROL

More on packing preparations. IU.I.Derevenchuk. *Zashch.rast.ot vred.i bol. 8 no.6;12 '64.*

MOLDING (FOUNDING)

Casting panels for plate heat exchangers in sand-clay molds. G F.Balandin and others Izv.vys.ucheb.zav., mashinostr no 1 186-192 '64.

Empirical and analytical equations for mold packing by pressure G F Balandin, O.A Belikov. Izv vys ucheb zav , mashinostr no 1 139-146 '64

Evaporation cooling of used molding mixture in the production line P.N Aksenov, L.K Sheplunov *Izv vys.* ucheb.zav., mashinostr no.1 147-152 '64.

Investigating mold packing by pressure. M.I Vorob'ev, V I.Semenov Izv vys.ucheb.zav , mashinostr, no.1: 111-117 '64

Mechanism of compaction in packing molds by high pressure O A Belikov Izv vys.ucheb zav ; mashinostr. no 1 104-110 '64.

Production of gears of magnesium cast iron. V.D.Chernetskii, L.N.IAshek, B.I.Vernigora. Mashinostroenie no.1;65-66 Ja-F '64.

Some problems in the fluidity of molding mixtures and mold packing by pressure. G.M.Orlov. Izv.vys. ucheb.zav , mashinostr. no 1 118-132 '64

Specialized shop for founding magnesium cast iron. IU.S.Lerner, V.A.Rudenko, M.B.Shenderovich. Mashinostroenie no.1;63-65 Ja-F '64.

Structure of molding mixture, external friction and fluidity in mold packing by pressure G.F Bal*andin, V.I.* Semenov. Izv vys ucheb.zav., mashinostr. no.1:133-138 '64

Technology of making pattern equipment of epoxy plastics. N.P.Borodina Izv vys.ucheb zav , mashinostr. no 1 174-185 '64.

MOLDING MACHINES

Modernization of the M271 molding machine. IU.N. Bondarenko Mashinostroitel' no.4,14 Ap '64.

Sandblast forming line with sliding equipment. V.S.Tarasenko. Mashinostroenie no.1;55-57 Ja-F '64.

MOLDS (BOTANY)

Materials on electrophysical methods in mold control. L.G Aleksi-Meskhishvili. Soob.AN Gruz.SSR *31 no. 2:407-412* Ag '63.

Quantitative composition and species of the fungous flora of various kinds *of flour*, *T.K.Kal'vish*, Vest. LGU no. 9:59-63 '64.

MOLE RAT see subdivision under Aktyubinsk Province

MOLECULAR BEAMS

Tu, Hsueh-jen, and others. [Setup for producing intense molecular beams by means of a supersonic nozzle] Ustanovka dlia polucheniia intensivnykh molekuliarnykh puchkov s pomoshch'iu *sverkhzvukovogo* sopla. Dubna, Ob''edinennyi in-t iadernykh issl., 1963. 35 p.

MOLECULAR DYNAMICS

Calculation of the thermodynamic functions *of polyatomic* molecules. *R.I.*Artym. Zhur.fiz khim. 36 *no.6:* 1129-1135 Je '62.

MOLECULAR ORBITALS

Application of the method of molecular orbitals to the study of the reactivity of Schiff bases. Methylation reactions V I Minkin, E A Mediantseva, IU A Ostroumov. Zhur ob khim 34 no.5:1512-1517 My '64

Empirical equations for calculating λmax of the absorption bands of organic compounds with linearly conjugated bonds. A.I.Cherkesov. Zhur.fiz.khim. 38 no.3: 762-764 *Mr '64.*

MOLECULAR SPECTRA

Determination of the vapor composition by analyzing molecule velocities. G.F.Voronin. Zhur.fiz.khim. 37 no.4:897-899 Ap '63.

Intramolecular rearrangements and vibrations of molecules. L.S.Maiants. Zhur.fiz.khim. 38 no.3: 623-631 Mr '64.

Saturation of absorption in an oscillatory spectrum. Dispersion of the saturation. O.I.L'vov Vest LGU 19 no 10:11-23 '64

MOLECULAR STRUCTURE

Configuration of nucleic acid molecules. M.H.F. Wilkins. Biofizika 8 no.6:641-658 '63.

Determination of flexibility of DNA molecules with the aid of light disseminated at large angles. O.B. Ptitsyn, B.A.Fedorov. Biofizika 8 no.6,659-668 '63.

Symmetry of the molecules of benzene and related compounds. A.V.Shubnikov Dokl.AN SSSR 157 no. [illegible] 568 Jl '64

MOLECULES

Comments on the article by I.P.Vyrodov, P.S.Iliuk'ko, L.V.Derkach "Use of kinetic concepts of liquid structure for determining the sizes of molecules." G.M Panchenkov. Zhur.fiz.khim. 38 no 3:809-810 Mr '64.

Sokolov, V.A., N.S.Torocheshnikov, and N.V.Kel'tsev. [Molecular screens and their application] Molekuliarnye sita i ikh primenenie. Moskva, Izd-vo "Khimiia," 1964. 155 p.

MOLECULES—MODELS

Some errors in the use of an ionic model of a molecule. A.A.Zaitsev, K.S.Krasnov. Zhur.fiz.khim. 38 no.3: 811-812 Mr '64.

MOLLUSKS—PARASITES see Parasites—Mollusks

MOLLUSKS, FOSSIL

(see also subdivision under Black Sea region; Bug Valley; Caspian Sea region; Georgia; Kakhetia; Russian Platform)

Migration of certain representatives of the genus Savanella. E.M.Zhgenti. Trudy Inst.paleobiol.AN Gruz.SSR 8:63-65 '63.

Some new and little known mollusks from Paleozoic sediments of the U.S.S.R. D.IU.Makarenko. Geol. zhur. 23 no.4:90-99 '63.

MOLLUSKS AS CARRIERS OF DISEASE

Role of terrestrial mollusks in the incidence of Elaphostrongylus in Japanese deer. V.IA.Panin. Paras sel'khoz.zhiv.Kazakh. 3 79-83 '64.

MOLOCHNAYA VALLEY—WATER, UNDERGROUND

Formation of underground water resources in the Dnieper-Molochnaya interfluve. V.I.Lial'ko. [Pratsi] Inst.geol.nauk AN URSR.Ser.hidrogeol.i inzh.geol. no.9:41-65 '63.

MOLOTKOV, VLADIMIR GERASIMOVICH, 1903-

Vladimir Gerasimovich Molotkov; on his 60th birthday. Arkh, pat. 25 no.10:82-83 '63.

MOLYBDATES—THERMODYNAMICS

Thermodynamic properties of $MeMoO_3$-type compounds. Part I. L.A.Zharkova, N.G.Barancheeva. Zhur.fiz. khim. 38 no.3:752-754 Mr '64.

MOLYBDENUM

Complexometric method for determining molybdenum in catalysts. E.I.Uvarova, V.M.Rik. Khim.i tekh.topl. i masel 9 no.5:67-69 My '64.

Studying catalytic properties of molybdenum. A.I.Lazarev, V.I.Lazareva. Trudy TSel.sel'khoz.inst. 1:119-128 '63.

MOLYBDENUM ORES

(see also subdivision under Ural Mountains)

Comparing results of testing certain flow sheets for the dressing of molybdenum ores. V.M.Galich. Izv.vys. ucheb.zav.; gor.zhur. 7 no.4:173-178 '64.

MONEY

(see also subdivision under Alma-Ata Province; Tashkent Province)

Currency circulation during the large-scale building of communism. V.Batyrev. Den.i kred. 22 no.6:16-24 Je '64.

Study on the theory of money in Russia. Z.Atlas. Den. i kred. 22 no.7:86-90 Jl '64

MONGOLIA—ECONOMIC CONDITIONS

Pisarev, V.I. [The Mongolian People's Republic on the path to the completion of the building of socialism] MNR na puti k zavershenilu stroitel'stva sotsializma. Moskva, Izd-vo "Nauka," 1964. 158 p.

MONGOLIA—FOREIGN RELATIONS—RUSSIA

Chimitdorzhiev, Sh.B. [Russian-Oirot (West-Mongolian) relations in the 17th century; author's abstract of a dissertation submitted for the degree of Candidate of Historical Sciences] Russko-oiratskie (zapadnomongol'skie) otnoshenila v XVII veke, avtoreferat disseratsii na soiskanie uchenoi stepeni kandidata istoricheskikh nauk. Leningrad, Leningr. univ., 1959. 13 p.

TSaplin, F.S. [Soviet-Mongolian amity in the years of the Second World War] Sovetsko-mongol'skoe sodruzhestvo v gody Vtoroi Mirovoi voiny. Moskva, Izd-vo "Nauka," 1964. 84 p.

MONGOLIA—WORLD WAR, 1939-1945

TSaplin, F.S. [Soviet-Mongolian amity in the years of the Second World War] Sovetsko-mongol'skoe sodruzhestvo v gody Vtoroi Mirovoi voiny. Moskva, Izd-vo "Nauka," 1964. 84 p.

MONILIALES

Critical approach to the determination of the genera of Arthrobotrys corda and Trichothecium Link. N.A. Mekhtieva. Dokl. AN Azerb.SSR 20 no.3:69-73 '64.

MONILIASIS

Use of levorin, an antifungal antibiotic, in the treatment and prevention of complicated candidiasis in surgical patients. I.G Rufanov, A M.Marshak, L.A.Sysoeva. Khirurgiia 40 no.2:6-11 F '64.

MONOMYCIN

Chemotherapeutic effectiveness of monomycin in experimental cutaneous leishmaniasis G N Pershin, N.IU Moskalenko Farm i toks. 26 no.1 97-101 Ja-F '63.

MONONUCLEOSIS

X-ray diagnosis of congenital listeriosis in newborn infants A.I.Kochergin. Vest. rent. i rad. 38 no.3:25-27 My-Je '63.

MONSOONS see subdivision under Indian Ocean

MONTE CARLO—AUTOMOBILES, RACING

Soviet automobiles in Monte Carlo. A.Frenkel', Vnesh. torg. 44 no.5 52-53 '64.

MOON—OBSERVATIONS

Orientation of fundamental catalogs based on lunar observations. A.O.IAkovkin, D.P.Duma. Dop.AN URSR no.6:761-764 '63.

MOOSE

Some characteristics of intrauterine development of the moose. A.K.Petrov. Zool.zhur. 43 no.1:126-130 '64.

MORAL EDUCATION

Good feelings. L.Ruvinskii. Sem'ia i shkola 19 no.5: 4-5 My '64.

More on self-education. C.Silant'ev and others. Nar. obr no 7:75-78 Jl '64.

MORALE

...But they vowed eternal love. Starsh.-serzh. no.6: 36 Je '64.

MORDOVIA—HISTORY

Some inaccuracies in a publication. V.V.Bodrin. Ist. SSSR 8 no.1:237-238 Ja-F '64.

MORDOVIA—POLITICS AND GOVERNMENT

Mordovskaya A.S.S.R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Mordvinian A.S.S.R., third session, 1959. Verbatim report] Zasedanila Verkhovnogo Soveta Mordovskoi ASSR, 5. sozyva, 3. sessiia 1959 goda. Stenograficheskii otchet. Saransk, 1960. 1 v.
(MH-L)

MORDVINIAN A.S.S.R. . see Mordovia

MOROZOV, PETR ANDREEVICH, 1864-1901

Petr Morozov, a revolutionary worker. M.B.Perel'man. Ist.SSSR 8 no.1:127-135 Ja-F '64.

MOROZOV, VLADIMIR

Racing with the wind. I.IUsupov. Sov.voin 46 no.13: 44 Jl '64.

MORPHOGENESIS

Moscow. Universitet. Kafedra geografii poliarnykh stran i gliatsiologii. [Problems of paleogeography and morphogeny in the polar countries and highland; a collection of articles] Problemy paleogeografii i morfogeneza v poliarnykh stranakh i vysokogor'e; sbornik statei. Otv. red. A.I. Popov. [Moskva] Izd-vo Mosk. univ., 1964. 163 p.

MORSHANSK (TAMBOV PROVINCE)—HOUSING MANAGEMENT

In our town Morshansk. D.Lysenko. Zhil.-kom.khoz. 13 no.10:13 O '63.

MORTAR

Aleksandrovskii, A.V. [Materials for plasterers and slab and mosaic layers] Materialovedenie dlia shtukaturov, plitochnikov, mozaichnikov. Izd.2., perer. i dop Moskva, Vysshaia shkola, 1964. 246 p.

MORTARS (ORDNANCE)

Placed on the alert. A.Chernenkov. Starsh.-serzh. no 6:20-21 Je '64

MOSAICS

Krivtsov, B.P., and I.G. Shapiro. [Laying tiles, mosaics, and "xyloliths"] Plitochnye, mozaichnye i ksilolitovye raboty. Izd.3, perer. i dop. Moskva, Vysshaia shkola, 1964. 301 p.

MOSCOW—AGRICULTURAL RESEARCH

In the Scientific Council of the Academy Izv.TSKHA no.5:236 '63.

MOSCOW—APARTMENT HOUSES

New home. I.Shutov. Zhil.-kom khoz 13 no 10 7-8 O '63

MOSCOW—APARTMENT HOUSES—MAINTENANCE AND REPAIR

Mechanization of assembly work. A Beliaev. Zhil -kom khoz. 13 no.9 23-24 S '63.

MOSCOW—BOARDING SCHOOLS

Associates. G.Shpreregen. Sem'ia i shkola 19 no.5: 17-18 My '64.

MOSCOW—COMMUNITY ORGANIZATION

Development of community participation in cultural establishments of Moscow. M.F.Konovalov. Sov.gos.i pravo 34 no.5:122-125 My '64.

MOSCOW—COTTON SPINNING

Denisov, V.I., and L.F.Isaeva. [Experience of the "Trekhgornaya Textile Works" Combine in reducing breakage in spinning] Opyt snizhenila obryvnosti v priadil'nom proizvodstve kombinata "Trekhgornaia manufaktura" imeni Dzerzhinskogo. Moskva, Gizlegprom, 1963. 53 p.

MOSCOW—EDUCATION

District Office of Public Education and its head. G.Bocharova Nar.obr. no.6:24-32 Je '63

MOSCOW—EXHIBITIONS

At the Exhibition of the Achievements of the National Economy of the U.S.S.R. Sel'.stroi. 18 no.10:28 O' 63.

From the All-Union Exhibition of the Achievements of the National Economy. G.U.Dashevskaia. Metalloved i term.obr.met. no.6 51-52 Je '64.

Moscow exhibition season. V.Krasnopol'skii. Nov.vrem. 21 no.25:19-20 Je '64.

Pavilion of the "Electrification of the U.S.S.R." at the Exhibition of the Achievements of the National Economy in 1964. V.N.Borovitskii. Elek.sta. 35 no.4:91-92 Ap '64

Pavilion "Standards of the U.S.S.R." P P Arapov, M.A. Sirotin Izm.tekh no 4:6-10 Ap '64.

These were at the Exhibition of the Achievements of the National Economy of the U.S.S.R I.Makhnovskii Zhil.-kom.khoz. 13 no.9:16-17 S '63

MOSCOW—FENCES

Are fences needed everywhere? I.Makhnovskii. Zhil.-kom.khoz. 13 no 10:18-19 O '63.

MOSCOW—FLOUR MILLS

Flour mills at the Bol'shoi Kamennyi bridge in Moscow. N.Ponomarev. Muk.-elev.prom. 30 no.2:32 F '64.

MOSCOW—FURNITURE INDUSTRY

Mechanizing the finishing of furniture panel elements. Der.prom. 13 no.3:24-26 Mr '64.

Using urea-formaldehyde resin for gluing articles by the cold method without compressing. A.I.Kolmovskaia. Der.prom. 13 no.3:27 Mr '64.

MOSCOW—HARDBOARD

Finishing hardboards at the Wood Processing Combine No.4 of the Main Administration of the Building Material Industry. D.P.Khromov. Der.prom. 13 no.3: 19-21 Mr '64.

MOSCOW—HEALTH EDUCATION

Sergievskii, A.M. [Some forms of disseminating knowledge of medicine and hygiene; from the work experience of the House of Sanitary Education of the Kirov District in Moscow] Nekotorye formy propagandy meditsinskikh i gigienicheskikh znanii; iz opyta raboty doma sanitarnogo prosveshchenila Kirovskogo raiona Moskvy. Moskva, In-t sanitarnogo prosveshchenila M-va zdravookhranenila SSSR, 1963. 78 p.

MOSCOW—HISTORY—SOURCES

Akademiia nauk SSSR. Institut istorii. [The uprising in Moscow in 1662; a collection of documents] Vosstanie 1662 g. v Moskve; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 304 p.

MOSCOW—HOUSING MANAGEMENT

Ahead of schedule and well done. Zhil.-kom.khoz. 1 no.9:12-13 S '63

MOSCOW—ILLUMINATION OF BOOKS AND MANUSCRIPTS

Zernova, A.S. [Illumination of books of the Moscow press in the Cyrillic alphabet, 1677-1750; index. For the 400th anniversary of Russian book printing] Ornamentika knig moskovskoi pechati kirillovskogo shrifta 1677-1750, ukazatel'. K 400-letiiu russkogo knigopechataniia. Moskva, Gos. ordena Lenina biblioteka SSSR im. V.I. Lenina, 1963. 361 p.

MOSCOW—INTELLECTUAL LIFE

Development of community participation in cultural establishments of Moscow. M.F.Konovalov. Sov.gos.i pravo 34 no.5.122-125 My '64.

MOSCOW—LIGHTWEIGHT CONCRETE

Keramzit concrete elements in residential and industrial construction in Moscow. S P.Maiorov. Bet.i zhel.-bet 10 no 4:147-149 Ap '64.

MOSCOW—MARKETS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Construction of covered markets using 40x40 m double curvature precast reinforced shells] Stroitel'stvo krytykh rynkov s ispol'zovaniem sbornykh zhelezobetonnykh obolochek dvoiakoi krivizny razmerami 40x40 m. Moskva, Gosstroiizdat, 1962. 46 p.
[MICROFILM]

MOSCOW—MATHEMATICAL SOCIETIES

Summaries of papers delivered at the sessions of the Section of Probability Theory and Mathematical Statistics of the Moscow Mathematical Society, November - December 1963. Teor.veroiat.i ee prim. 9 no 2: 394-398 '64.

MOSCOW—MUSEUMS

A museum of glorious tradition. I.I.Smirnov. Ist. SSSR 8 no.1:228-232 Ja-F '64.

MOSCOW—MUSIC

Morov, Aleksei. [Musical Moscow] Moskva muzykal'naia. [Moskva] Mosk. rabochii, 1964. 198 p. illus.

MOSCOW—PANELS (BUILDING)

Automatic line for polishing panels. M.A.Slobodnik. Der.prom. 13 no.3.23-24 Mr '64.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. Ispol.kom.Mosk.gor.sov. no.11 Je '64.

MOSCOW—RAILROADS—EMPLOYEES

A museum of glorious tradition. I.I.Smirnov. Ist. SSSR 8 no.1:228-232 Ja-F '64.

MOSCOW—ROAD CONSTRUCTION

Unremitting attention to the quality of roads. S Bagdasarov and others Zhil.-kom khoz 13 no 10 30-31 O '63

MOSCOW—SERVICE INDUSTRIES

For a city of model living conditions. Zhil.-kom.khoz. 13 no.9:33 S '63.

MOSCOW—SNOW REMOVAL

Using chlorite for combatting ice. L.Mnukhin. Zhil - kom.khoz 13 no 10 17 O '63

MOSCOW—SUBWAYS

Working 338m of a running tunnel in one month in the construction of the Moscow subway. A.I.Shcherbina, N.A.Prostov. Shakht.stroi. 7 no.11:24-26 N '63.

MOSCOW—TEXTILE INDUS

History of the "Trekhgor
named after F.E.Dzerz

volunteer help did not fall by the wayside A. Kapitonov. Zhil.-kom khoz. 13 no 9:14-15 S '63

MOSCOW PROVINCE—GAS HEATING

A year ahead of schedule I Gordienko Zhil.-kom khoz 13 no 10 24 O '63

MOSCOW PROVINCE—KINGLETS (BIRDS)

Feeding habits and other ecologic characteristics of goldcrest and wren in Moscow Province A. A. Inozemtsev Biul MOIP. Otd biol 69 no. 3:64-72 My-Je '64.

MOSCOW PROVINCE—POULTRY

Kunin, V. A. [Profitable poultry farms] Rentabel'nye ptitsefermy. [Moskva] Moskovskii rabochii, 1964. 55 p. (Ikh opyt dostupen vsem)

MOSCOW PROVINCE—TILLAGE

Effect of the spring harrowing of fall-plowed fields on the maturation of soils. V. F. Panina. Sbor. rab Mosk gidromet. obser. no 2:112-116 '63

MOSCOW PROVINCE—WRENS

Feeding habits and other ecologic characteristics of goldcrest and wren in Moscow Province. A. A Inozemtsev. Biul. MOIP. Otd. biol. 69 no 3:64-72 My-Je '64.

MOSCOW REGION—AEROSOLS—RADIOACTIVE PROPERTIES

Hot aerosols in the ground air layer near Moscow. S. G. Malakhov. K. P. Makhon'ko. Atom. energ 16 no. 6: 530-533 Je '64.

MOSCOW REGION—GYPSUM

Economic comparison of various means of transportation for the underground haulage of gypsum stone in the Novomoskovskii Gypsum Combine. D B. Kozhakhmedov, O. E Makhova. Trudy Inst gor. dela AN Kazakh. SSR 13:127-137 '64.

MOSCOW RIVER see Moskva River

MOSKVA RIVER

Evgen'ev, B. S. [Brightening, a road winds its way...; a tale about the Moscow River] Svetleia, stelctsia doroga...; povest' o Moskve-reke. Moskva, Izd-vo "Mysl'," 1964. 229 p. illus. (Geograficheskaia seriia)

MOSQUITOES

Materials on the evolution of mosquitoes as parasites. I. A. Tarvit-Gontar'. Sbor. ent. rab. no. 2:3-10 '62.

MOSSES see subdivision under Siberia, Western

MOTHS

Survival of leaf-eating insect pests as related to the condition of the plant. N. E. Kononova Zool. zhur. 43 no 1:37-42 '64.

MOTION

Certain logical problems concerning the reflection of motion. IU. A. Petrov. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 2:102-110 '64

Feasibility of nonholonomic coupling using the forces of viscous friction. N. A. Fufaev. Prikl. mat. i mekh. 28 no. 3:513-515 My-Je '64.

Stabilization of unstable motions of mechanical systems. M. S. Gabrielian. Prikl. mat. i mekh. 28 no. 3:493-501 My-Je '64.

MOTION—MEASUREMENT

Accurate measurements of the parameters of motion, impact and vibratory accelerations V L. Lassan Izm tekh no 4 39-41 Ap '64

MOTION-PICTURE CAMERAS

Barinov, L. V. ["Pentaflex-16" narrow-film motion-picture cameras; textbook for students of correspondence courses] Uzkoplenochnye kinos"emochnye kamery "Pentafleks-16"; uchebnoe posobie dlia studentov zaochnikov. Moskva, Vses. gos. in-t kinematografii, 1963. 46 p.

MOTION-PICTURE JOURNALISM, MILITARY

"Sovetskii voin" film journal no. 4. Sov. voin 46 no. 12:41 Je '64.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur.: Fotokinotekh. nos. 6-7 Je-Jl '64.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Zakurdaev, L. V. [Motion-picture films their characteristics and processing] Kinoplenki, ikh kharakteristiki i obrabotka. Moskva, Izd-vo "Iskusstvo," 1964. 109 p. (Biblioteka kinoliubitelia)

MOTION-PICTURE PLAYS

Regiment commander. A. Andreev. Sov. voin 44 no. 24: 27 D '62.

A soldier came from the front.... V. Kalinin. Sov. voin 46 no. 11:29 Je '64.

MOTION PICTURES—PLOTS, THEMES, ETC.

Kriuchechnikov, N. V. [Plot of the screenplay] Siuzhet kinostsenariia. Moskva, Vses. gos. in-t kinematografii,

Pt. 2. 1963. 37 p.

MOTION PICTURES IN EDUCATION

Introducing motion pictures into the educational process at general technical institutions of higher learning. G. K. Nikolaevskii, G. L. Taukach Vest. vys shkoly 22 no 5 82-84 My '64.

Let's produce motion pictures at a high level of science and methodology. B. V Kubeev Vest. vys. shkoly 22 no 5 80-82 My '64.

Motion pictures and television as the means of communist education H M Rozenzaft. Rad shk 43 no 5 10-16 My '64

Use of motion pictures in class as one of the means to stimulate the teaching of geography. E. V. Chernyshova. Izv. Vor. gos. ped. inst. 37:105-111 '61.

MOTION PICTURES IN EDUCATION—EQUIPMENT AND SUPPLIES

Every school should have a day screen. I. Mel'nikov Nar. obr no 7 58-59 Jl '64.

MOTIVE (LAW)

B. V. Kharazishvili's "Behavior motives of a criminal according to Soviet law." A. B. Sakharov. Sov. gos. i pravo 34 no. 5:153-155 My '64.

MOTOR FUELS

Efficient use of fuels and lubricants is the most important condition for prolonging the life of engines K. K. Papok. Khim i tekh. topl. i masel 9 no. 6:1-5 Je '64

MOTOR VEHICLES—BATTERIES

Egorov, I. G. [Operation and repair of motor-vehicle and tractor storage batteries] Ekspluatatsiia i remont avtotraktornykh akkumuliatornykh batarei. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 72 p.

MOTOR VEHICLES—ENGINES

Burning out of pistons and valves in motor vehicle engines. I B Gurvich, A P. Egorova. Trudy GSKHI 11 no 1 36-39 '61.

Rational microgeometry of the parts of motor vehicle engines. I. B. Gurvich. Trudy GSKHI 11 no. 1.11-35 '61.

MOTOR VEHICLES—FUEL CONSUMPTION

Graphic analytical determination of optimal relations between the characteristics of the engine and the traction resistance of the motion of motor vehicles as a means of estimating the possible increase of fuel economy for motor vehicles with progressive transmissions I. B. Gurvich, E. V. Mikhailovskii. Trudy GSKHI 11 no 1 40-44 '61

MOTOR VEHICLES—LIGHTING

Unified switching system for external lighting of motor vehicles. A. Zdanovskii Avt. transp. 42 no. 6:47-48 Je '64.

MOTOR VEHICLES—LUBRICATION AND LUBRICANTS

Crankcase ventilation of carburator engines of motor vehicles and its effect on the consumption of oil. G. Safonov. Trudy GSKHI 11 no 1:61-83 '61.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

Kogan, E. I. [Safety engineering in carpentry and cabinet work] Tekhnika bezopasnosti pri plotnichnykh i stoliarnykh rabotakh. Moskva, Transport, 1964. 45 p. (Tekhnika bezopasnosti na avtotransporte)

Kutikov, G. S. [Maintenance of motor vehicles] Tekhnicheskoe obsluzhivanie avtomobilei. Izd. 2., perer. Moskva, Transport, 1964. 61 p. (Nauchno-populiarnaia biblioteka avtomobilista)

Mechanized maintenance of motor vehicles in automotive transportation units. M. Gogolitsyn. Avt. transp. 42 no. 6 21-24 Je '64.

Reconditioning of the GAZ-51 crankshafts having cracks. IU. Moshenskii. Avt. transp. 42 no. 6:29-30 Je '64.

Unit and section method for the maintenance and repair of motor vehicles is in action. V. Miroshnikov. Avt. transp 42 no. 6:28 Je '64.

MOTOR VEHICLES—SAFETY MEASURES

Daskovskii, B. A. [Handbook for the driver of a bottle-gas-driven motor vehicle] Pamiatka shoferu gazoballonnogo avtomobilia. Moskva, Transport, 1964. 36 p. (Tekhnika bezopasnosti na avtotransporte)

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

Abroad. Avt. transp. 42 no. 6:59-61 Je '64.

Exchange of experience. Avt. transp. 42 no. 6:54-56 Je '64.

MOTOR VEHICLES—TESTING

"Using electric measurement methods in testing motor vehicles" by N. A. Bukharin, V. K. Gollak. Reviewed by A. B. Gredeskul. Vest. mashinostr. 44 no. 2:83-84 F '64.

MOTOR VEHICLES—TRANSMISSION DEVICES

Graphic analytical determination of optimal relations between the characteristics of the engine and the traction resistance of the motion of motor vehicles as a means of estimating the possible increase of fuel economy for motor vehicles with progressive transmissions I B Gurvich, E V Mikhailovskii Trudy GSKHI 11 no. 1:40-44 '61

MOTORBUSES—MAINTENANCE AND REPAIR

Repairing body base of the PAZ-652 motorbus M. Kotsiuba Avt transp 42 no 6:36 Je '64

MOTORCYCLE RACING see subdivision under Yaroslavl

MOTORS—TRANSMISSION DEVICES

Characteristics of the performance of the semiaxial cardan transmission of logging trucks. O. B. Ushakov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6: 75-80 '63.

MOTORTRUCKS—MAINTENANCE AND REPAIR

Ivanov, D. I. [Without accidents] Bez avarii. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 25 p. (Bibliotechka mekhanizatora)

MOUNDS see subdivision under Yaroslavl Province

MOUNTAIN SHEEP

Systematic interrelationships between the mountain sheep of the Old and New Worlds. F. B Cherniavskii. Biul MOIP. Otd. biol 67 no 6 17-26 N-D '62.

MOUNTAINS

Rubel', R. B. [In mountains and caves] V gorakh i peshcherakh. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 145 p.

MOUTH—DISEASES

Structure of lips and mucous membrane of the oral cavity in little rabbits under the influence of radiation L. N. Chelidze. Soob. AN Gruz SSR 31 no. 2:455-462 Ag '63.

MSHVIDOBADZE, ARISTARKH EVSEEVICH, 1892-

Aristarkh Evseevich Mshvidobadze, on his 70th birthday. Apt. delo 11 no. 6:85-86 N-D '62.

MTA-TUSHETI REGION (GEORGIA)—WEEVILS

Study of the species of the weevils (Coleoptera, Curculionidae) of Mta-Tusheti. A. O. Cholokava. Soob. AN Gruz. SSR 31 no. 1:155-161 Jl '63.

MUCOIDS

Serous mucoid and sialic acids in the blood in different laboratory animals. T. Kh. Aitbaev. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2:32-34 '64.

MUD VOLCANOES see subdivision under Peschanyy-More Oil Field

MUGODZHAR HILLS—COPPER ORES

Characteristics of the distribution of copper deposits and ore manifestations in the souther part of the Mugodzhar Hills. B M. Rudenko, G E Narvait Vest AN Kazakh SSR 19 no 6:46-50 Je '63

MULBERRY—VARIETIES see subdivision under Azerbaijan

MULLITE

Study of the mullitization process in the porcelain mass. O. F. IArmak, S. G. Tresviats'kyi. Leh. prom. no. 2: 69-71 Ap-Je '64.

MUNICIPAL SERVICES

(see also subdivision under Ossetia, North; Voronezh, Yaroslavl Province)

Where the reserves are hiding. K. Klopotov. Zhil.-kom. khoz. 13 no. 9 5-6 S '63.

MUNICIPAL SERVICES—COMPETITIONS see subdivision under Ryazan Province

MUNICIPAL SERVICES—EQUIPMENT AND SUPPLIES

Along the pages of Soviet and foreign periodicals. Zhil.-kom. khoz. 13 no 10.35 O '63.

MURAL PAINTING AND DECORATION see subdivision under Georgia

MURDER see subdivision under Lithuania

MURMAN COAST—INFUSORIA

Study of temperature adaptations and morphological characteristics of some Astomata species from the oligochetes of Eastern Murman. K. M. Sukhanova. Sbor. rab. Inst. tsit. no. 3:75-91 '63.

MURMANSK—STORES, RETAIL

In the capital of the Soviet transpolar region. A. Markushevich. Sov. torg. 37 no. 5:30-32 My '64.

MUROM (VLADIMIR PROVINCE)—ARCHITECTURE—CONSERVATION AND RESTORATION

[illegible] K [illegible] Zhil.-kom. [illegible]

MUSCHKETOWITE see subdivision under Georgia

MUSCLE

X-ray study of structural reconstructions in a striated muscle following changes in its length L L Razumova and others Dokl AN SSSR 157 no 3 688-691 Jl '64

MUSCLE RELAXANTS

All-Union symposium on the use of muscle relaxants. V S.Shchelkunov. Vest.khir 91 no 10 135-138 O '63.

Danger of regurgitation in modern anesthesia I S. Zhorov, G.A.Lukin-Butenko, V.A.Mikhel'son. Khirurgiia 40 no.2:141-146 F '64.

MUSCLES

Effect of gamma-aminobutyric acid on potassium and acetylcholine skeletal muscle contraction. P.E. Diablova. Biul.eksp.biol.i med. 56 no.8:75-76 Ag '63.

Effect of temperature on the luminescence of muscles and muscle proteins I.G Shtrankfel'd. Biofizika 9 no 1 68-72 '64

Structure of muscles of the hind extremities in representatives of the family Sciuridae. A S.Sokolov Trudy Zool inst. 33,263-318 '64.

Ultraviolet luminescence of muscles and muscle proteins. I.G.Shtrankfel'd. Biofizika 8 no.6,690-695 '63.

MUSCLES—DISEASES

Aldolase activity in a myopathy in children. F.E. Gorbacheva. Zhur.nevr.i psikh. 63 no.7:958-960 '63.

MUSCLES—HYDATIDS

Echinococcosis of the muscles. A.A.Shkarupelov, T.M. Kalashnikova Uch zap.Stavr.gos.med.inst 8 127-133 '63

MUSCLES—INNERVATION

Development of the afferent apparatus in the muscles of the supralingual and sublingual groups in people. L.P. Rybchinskaia. Trudy SMI 15:106-113 '62.

Effect of denervation on the posttraumatic regeneration of the muscle. M.F.Popova. Dokl.AN SSSR 157 no.2 486-488 Jl '64.

MUSCLES—MOTILITY

Concerning V.F.Antonov's remarks. A.K.Prits. Biofizika 8 no.6:744-745 '63.

A generator for mechanochemical oscillations on the basis of muscle pH. Biofizika 8 no.6:741-743 '63.

Nature of the contractile proteins of tonic and tetanic skeletal muscles. M.M.Zaalishvili, S.V.Dzhibladze. Soob.AN Gruz.SSR 31 no.1:53-60 Jl '63.

Optimum and pessimum stimulation in tonic and nontonic myoneural apparatus of amphibia. N.F.Skorobovichuk. Vest.LGU 19 no.9:88-96 '64.

Studies on the effect of substituting Cl ions in solution on the mechanical response of single muscle fibers of river crayfish. I.M.TSofina, E.A.Liberman. Biofizika 8 no.6:730-740 '63.

MUSCLES—RADIOGRAPHY

X-ray identification of L-meromyosin in a muscle structure. L L.Razumova, B.K Lemazhikhin, L.A.Mel'nikov. Biofizika 9 no 1:136-137 '64.

MUSCLES—WOUNDS AND INJURIES

Development of capillaries in post-traumatic regeneration of skeletal muscle tissue in mammals. A.V.Grigor'ev. Biul.eksp.biol.i med. 56 no.8:89-93 Ag '63.

MUSCOVITE

Effect of rubidium content on the parameters of the unit cell of muscovite. V.V.Gordienko, A.P.Denisov. Dokl.AN SSSR 156 no.2:336-337 My '64.

MUSCULAR DYSTROPHY

Basic aspects in the study of muscular dystrophies (myopathies). D.S.Futer. Zhur.nevr.i psikh. 63 no.7:953-957 '63.

Clinical and therapeutic aspects of progressive muscular dystrophies in children. E.A.Edel'shtein, E.V. Sergeichuk. Zhur.nevr.i psikh. 63 no.7:974-978 '63.

Studies on serum enzymes in children with progressive muscular dystrophy. L.P.Grinio. Zhur.nevr.i psikh. 63 no.7:961-966 '63.

MUSEUMS see subdivision under Moscow, see also subdivision 'Art galleries and museums' under Turkmenistan

MUSEUMS AND SCHOOLS

Structure and function of a training museum of the department of roentgenology and radiology. L.D. Lindenbraten, I.N.Zal'tsman. Vest.rent.i rad. 38 no.3:52-56 My-Je '63.

MUSHROOMS see subdivision under Chelyabinsk

MUSIC see subdivision under Moscow

MUSIC—ACOUSTICS AND PHYSICS

Anfilov, G.B. [Physics and music] Fizika i muzyka. Moskva, Izd-vo "Detskaia literatura," 1964. 191 p. (Shkol'naia biblioteka).

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC—HISTORY AND CRITICISM

Druskin, M. [Foreign musical culture in the second half of the 19th century, essays] Zarubezhnaia muzykal'naia kul'tura vtoroi poloviny XIX veka; ocherki. Moskva, Izd-vo "Muzyka," 1964. 97 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury: Besedy o muzyke)

Martynov, I.I. [New things in Soviet music] Novoe v sovetskoi muzyke. Moskva, Izd-vo "Znanie," 1964. 36 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no.12)

MUSIC—PHILOSOPHY AND AESTHETICS

Kremlev, IU.A. [Cognitive role of music] Poznavatel'naia rol' muzyki. Moskva, Muzgiz, 1963. 58 p. (Voprosy estetiki, v pomoshch' slushateliam i prepodavateliam universitetov kul'tury)

MUSIC, UKRAINIAN—HISTORY AND CRITICISM

Zolochevs'kyi, V.N. [Melodic and harmonic fundamentals of Soviet Ukrainian music; some problems of nationality] Lado-harmonichni osnovy ukrains'koi radians'koi muzyky; deiaki pytannia narodnosti. Kyiv, Naukova dumka, 1964. 162 p.

MUSICAL INSTRUMENTS

Belov, S.I., and others. [Varnishing musical instruments using a high-voltage electrostatic field] Lakirovanie muzykal'nykh instrumentov v elektrostaticheskom pole vysokogo napriazheniia. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no.3)

MUSICAL INSTRUMENTS—CONSTRUCTION

Novoderzhkin, A.M. [Study of materials; materials for the manufacture of musical instruments] Materialovedenie; materialy dlia proizvodstva muzykal'nykh instrumentov. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 303 p.

MUSKRATS see subdivision under Kungur (Perm Province); Perm Province

MUSTARD—DISEASES AND PESTS

Mustard pests. V.D.Vodolagin. Zashch.rast.ot vred.i bol. 9 no.6:33-34 '64.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Chemical products in the trade among the countries participating in the Mutual Economic Assistance Council N.Titov Vnesh torg 44 no 5 11-15 '64.

Determining the efficiency of capital investments in the countries participating in Comecon. T.Khachaturov. Vop.ekon no.7,129-137 Jl '64

Main trends in economic development in the socialist countries of Europe. G Sorokin Mir.ekon.i mezhdunar.otn. no.6,3-14 '64

Methodological problems of equalizing the levels of the economic development of socialist countries. I Oleinik, E Raevskaia. Vop.ekon. no.7 63-74 Jl '64.

MYCOBACTERIUM

Study of monamine oxidase activity of mycobacteria B_5. G.N.Pershin, V.V.Nesvad'ba. Biul.eksp.biol.i med. 56 no.8:81-84 Ag '63.

MYCOBACTERIUM TUBERCULOSIS

(see also subdivision under Alakul' District)

Skards, Ilmars. [Detection of Mycobacterium tuberculosis in cows' milk using ultrasonic waves] Obnaruzhenie tuberkuleznykh mikobakterii v korov'em moloke pri pomoshchi ul'trazvuka. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 158 p.
(DNAL)

Reversion of filtering forms of Mycobacterium tuberculosis. K.I.Odarenko. Vest.sel'khoz.nauki [Kazakh.] 7 no.2:133-135 F '64.

MYENTERIC PLEXUS—DISEASES

Reactive changes in the nervous elements of Auerbach's plexus of the small intestine in lymphostasis. M.I. Eliseeva. Trudy SMI 15:154-163 '62.

MYONEURAL JUNCTION

Effect of the central nervous system on the pessimal reaction of myoneural junction. M.I.Sitnikova. Vest. LGU 19 no.9:80-87 '64.

Formation of postural tonic contraction of mammalian muscles. N.F.Skorobovichuk. Nerv.sist no.3:84-89 '62.

Nature of pessimum. N.A.IUdenich. Nerv.sist. no.3: 57-61 '62.

Pharmacological characteristics of substances inhibiting acetylcholine synthesis in the body. S.N.Golikov, S I. Loktionov. Vest AMN SSSR 18 no.8:77-87 '63.

Relation between some physiological and histomorphological changes in the neuromuscular apparatus of animals during aging. S.I.Fudel'-Osipova, G.A.Rodionov. Biul.eksp.biol.i med. 56 no.8:50-53 Ag '63.

Role of inhibition in the development of fatigue in human muscular work. L.L.Vasil'ev, N.N.Khavkina. Nerv.sist. no.3:152-159 '62.

MYRTLE

Study of the antimicrobic effect of substances, isolated from myrtle, on the microflora of canned food. I. V. Apliak, H. P. Dehtiar'ova. Mikrobiol. zhur. 25 no.6. 19-23 '63.

MZYMTA VALLEY—GEOLOGY, STRUCTURAL

Some tectonical problems of the Psou and Mzymta Basins. M.S.Eristavi. Izv.Geol.ob-va Gruz. 2 no.2:41-53 '61.

NADTOCHII, GEORGII PAVLOVICH

An engineer, a man of great party spirit. A.Nefedov. Tekh i vooruzh. no.6:20-21 Je '64.

NAGORNO-KARABAKH AUTONOMOUS PROVINCE—PUBLIC HEALTH

Public health in the Nagorno-Karabakh Autonomous Province. R P.Gazarian, Kh.A Bozilan Azerb. med. zhur. 40 no 10 58-61 O '63

NAKHICHEVAN A S.S.R.—LEGUMES

Effect of the application of the growth promoting substance of petroleum origin by spraying on the chemical composition and nutritive value of legumes. A O Mamedov. Dokl AN Azerb SSR 20 no 4 55-58 '64

NAMES, GEOGRAPHICAL see subdivision under Chukchi Peninsula; Irkutsk Province; Lithuania

NAMES, GEOGRAPHICAL—PERSIAN

Some critical remarks on Nikola Rast's book, "Paydayish-i zamayir-i Farsi " Dzh Sadygova Dokl AN Azerb SSR 20 no 4.77-80 '64

NAPHTHALAN

Bactericidal and bacteriostatic properties of naphthalan (refined) in relation to Pasteurella G.A Saryev. Azerb. med. zhur. 40 no 10:54-57 O '63.

NAPHTHALENE

Derivatives of tetrahydronaphthalene. Part 2. Synthesis of some N,N-dichloroethylamino derivatives of the tetrahydronaphthalene series F.Kuiban, Z Dumitrescu, I Ambrush Zhur ob khim. 34 no 5.1581-1586 My '64.

NAPHTHIMIDAZOLE

Benzazole and naphthazole series. Part 6. 2-cycloalkylaminonaphth[1,2-d]imidazoles and their 1- and 3-alkyl substituted derivatives. I.N.Getsova, I.V. Panov, N.P Bedniagina. Zhur.ob khim. 34 no 6: 2026-2029 Je '64

NAPHTHOIC ACID

Reduction of naphtholcarboxylic acids Part 12. Synthesis of 1,4-dihydro-2-methoxy-3-naphthoic acid and its methyl ester N.M Przhialgovskaia, G T Mondodoev. V.N.Belov. Zhur ob khim 34 no.5 1570-1572 My '64.

NAPHTHOL

Mechanism of inhibition of cyclohexanol oxidation by α-naphthol. E.T.Denisov, V.V.Kharitonov. Zhur.fiz. khim. 38 no.3:639-644 Mr '64.

Melting diagram of the ternary system urea - β-naphthol - cinnamic acid A.G Palobekov, I I Il'iasov, A.G Bergman Zhur.ob khim. 34 no.5 1375-1379 My '64

Relation of isomers in azo coupling reactions. Part 1: Coupling of diazo benzene with α-naphthol. B.I. Stepanov, L.N.Ogoleva. Zhur.ob.khim. 34 no.6: 2074-2076 Je '64.

NARCISSUS

Vilmane, Milda. [Narcissuses] Narcises. Riga, Latvijas PSR Zinatnu akad.izd-ba, 1963. 39 p. [In Latvian]
(DNAL)

NARCOTICS

Antinarcotic action of analeptics in radiation sickness. V.N.Patalova. Farm i toks. 26 no.1:84-91 Ja-F '63

NASSER, GAMAL ABDUL, 1918-

Gamal Abdul Nasser. G.Mirskii. Mir.ekon.i mezhdunar.otn. no 7 112-116 '64.

NATIONAL TERRITORY see Territory, National

NATIONALISM AND SOCIALISM see subdivision under Lithuania

NATIONALITIES

(see also subdivision under Latvia)

The building of communism and the development of closer relations between the socialist peoples. G.Vatian. Komm.Ukr. 39 no.1 82-87. Ja '64

Chistiakov, O.I. [Building a government system based on nationalities in the R.S.F.S.R. during the Civil War, 1918-1920] Natsional'no-gosudarstvennoe stroitel'stvo v RSFSR v gody grazhdanskoi voiny (1918-1920). [Moskva] Izd-vo MGU, 1964. 90 p.

Gadoev, Khamid. [Triumph of the Lenin nationality policy of the CPSU] Torzhestvo leninskoi natsional'noi politiki KPSS. Dushanbe, Tadzhikgosizdat, 1962. 252 p.
(NIC)

Krikheli, G.D. [Against falsification of the CPSU nationality policy; recommended by the Scientific and Methodological Commission on the History of the CPSU of the All-Union Society of "Znanie"] Protiv fal'sifikatsii natsional'noi politiki KPSS; rekomendova na nauchno-metodicheskoi komissiei po istorii KPSS Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no.13)

NAT[illegible] [illegible]

[illegible] of [illegible] [illegible] '64

NAT[illegible]AL HISTORY see subdivision under Leningrad Pr[illegible]

NAT[illegible]AL HISTORY—STUDY AND TEACHING

[illegible] ped. Inst. 37 [illegible]

NAT[illegible]RAL MO[illegible]MENTS see subdivision under Ural [illegible]

NAT[illegible]RAL [illegible] see subdivision under Gorno-Al[illegible] [illegible] Province, Pocatila

NAT[illegible]E, PHILOSOPHY OF see Philosophy of nature

NAT[illegible]E STUDY

[illegible], A. F. [From spring to spring; notes of a [illegible]] Ot vesny do vesny, zametki fenologa [Ku[illegible]] Kuibyshevskoe knizhnoe izd-vo, 1964 61 p

NATURE STUDY—CONGRESSES

[illegible]

NAUTICAL ASTRONOMY

P[illegible], N IU [Practical nautical astronomy] Prakti[illegible] morekhodnaia astronomiia Moskva, Izd-vo "Transport," 1964. 124 p

NAUTILOIDEA, FOSSIL see subdivision under Karatau

NAVAL ARCHITECTURE

P[illegible], V. M., and A. A. Narusbaev. [Design of atomic submarines, from materials in the foreign press] Proektirovanie atomnykh podvodnykh lodok, po materialam inostrannoi pechati. Leningrad, Sudostroenie, 1964 287 p.

C[illegible]vikovskii, V. S [Principles of dynamics in the structural mechanics of a ship] Printsipy dinamiki v stroitel'noi mekhanike korablia. Leningrad, Izd-vo "Sudostroenie," 1964. 191 p.

NAVAL EDUCATION

[illegible] IU. IAshkin Komm. [illegible] 4 no. 10 55-57 My '64

While training don't forget about education G. Nekhai Komm. Vooruzh Sil 4 no 13:63-65 Jl '64.

NAVAL ORDNANCE see Ordnance, Naval

NAVIES see subdivision 'Navy' under Bulgaria; Russia

NAVIGATION
(see also subdivision under Danube River)

Zakharov, V. K. [Organization of navigator duties on merchant ships] Organizatsiia shturmanskoi sluzhby na morskikh sudakh. Moskva, Izd-vo "Transport," 1964. 66 p.

NAVIGATION—TABLES, CALCULATIONS, ETC.

[Estimating gyrocompass errors in navigation] Uchet pogreshnostei girokompasa v sudovozhdenii. [By] E. L. Smirnov i dr. Moskva, "Transport," 1964. 68 p.

NAZAROV, IVAN MIKHAILOVICH

Man out of a legend. P. Frolov. Sov. voin 44 no. 24.29 D '62.

NEAR EAST—ECONOMIC GEOGRAPHY

[Countries of the Near and Middle East; a concise handbook on politics and economics] Strany Blizhnego i Srednego Vostoka, kratkii politiko-ekonomicheskii spravochnik Moskva, Politizdat, 1964. 205 p.

NEAR EAST—POLITICS

[Countries of the Near and Middle East; a concise handbook on politics and economics] Strany Blizhnego i Srednego Vostoka, kratkii politiko-ekonomicheskii spravochnik. Moskva, Politizdat, 1964. 205 p.

NEBULAE—SPECTRA

Spectral pattern O III used in calculating the recombination spectrum of stars and nebulae. Part 1. A. A. Nikitin. Vest. LGU 19 no. 7:130-143 '64.

NECK—WOUNDS AND INJURIES

Disorders of cerebral circulation as a result of an injury of the large cervical blood vessels K. R Abashidze. Sud.-med. ekspert 7 no 2 54-55 Ap-Je '64

NECROSIS, BACILLARY see subdivision under Kirov region

NEFTYANYYE KAMNI OIL FIELD—OIL RESERVOIR ENGINEERING—ELECTRONIC EQUIPMENT

Investigation of wells in the Neftyanyye Kamni field remote control devices N. N. Neprimerov, A. G. Sharagin Izv vys ucheb zav , neft' i gaz 6 no 5 53-58 '63

NEFTYANYYE KAMNI OIL FIELD—OIL WELLS—HYDRAULIC FRACTURING

Pressure in hydraulic fracturing on the northeastern wing of the Neftyanyye Kamni oil field. A. B. Gasanov and others. Azerb. neft. khoz. 43 no. 1 15-17 Ja '64.

NEGROES—LEGAL STATUS, LAWS, ETC. see subdivision under United States

NEMATODA
(see also subdivision under Borzhomi region; Leningrad Province)

Development cycle of Elaphostrongylus panticola Lubimov, 1945 V IA Panin Paraz sel'khoz zhiv Kazakh 3 34-48 '64

Development cycle of Elaphostrongylus rangiferi Miz , 1958 V. IU Mitskevich Paraz sel'khoz zhiv Kazakh 3 49-60 '64

Effect of feeding phenothiazine to marals on the excretion of Elaphostrongyluses, Dictyocauluses, and Bicauluses. P P Osipov Paraz. sel'khoz zhiv Kazakh 3 98-100 '64

Effect of some abiotic environmental factors on the developmental rate and the survival of eggs of Heterakis gallinarum under natural conditions. M. E. Savchenko. Zool. zhur. 42 no. 12:1869-1870 '63.

Intravital methods of the diagnosis of the Setaria infestation of marals V A Shol' Paraz sel'khoz. zhiv Kazakh 3 101-103 '64

Role of terrestrial mollusks in the incidence of Elaphostrongylus in Japanese deer V IA Panin Paraz sel'khoz zhiv Kazakh 3 79-83 '64

Susceptibility of mollusks to the infection by the larvae of Elaphostrongylus panticolar Lubimov, 1945 V IA Panin, O I. Ruslkova Paraz sel'khoz zhiv Kazakh 3 84-89 '64

Therapy of elaphostrongylusis in marals E. I. Priadko, V I Teterin Paraz sel'khoz zhiv Kazakh 3 90-97 '64

Viability of the larvae of Dictyocaulus viviparus in the piedmont of the Kazakhstan part of the Altai. O S Karamendin Paraz sel'khoz zhiv. Kazakh 3 114-116 '64

NEMATODE DISEASES OF PLANTS

Nematode fauna of tomatoes in the piedmont of the Trans-Ili Alatau K M Nugmanova. Paraz. sel'khoz zhiv Kazakh 3 167-170 '64.

NEPHELINE SYENITE

New type of ore-bearing nepheline syenite A A. Tolok Dokl AN SSSR 157 no 3:597-598 Jl '64.

NEPHROSCLEROSIS

Morphological changes of the renal nerve plexus in nephrosclerosis. D P. Svistelin Trudy SMI 15:172-179 '62.

NERVES

Bio- and histochemical study of nerve fiber proteins (neuraxial) in experimental allergic demyelinating encephalomyelitis Gr Benetato and others Pat. fiziol i eksp terap 7 no 6,310 N-D '63.

Contemporary achievements in the electrophysiology of the nerve cell. P G Kostiuk Zhur. vys nerv delat 13 no 6 1018-1031 N-D '63

Cytochemical changes in nerve and liver cells of white rats in hyperthermia [with summary in English]. E. M. Gramenitskii. Arkh. anat., gist. i embr. 44 no. 6:54-61 Je '63.

Electrical responses and physiological lability of a nerve at the place of stimulation M. I. Sologub. Nerv. sist. no. 3:51-56 '62.

Modification of the level of critical depolarization and the action potential of electrotonus in a single Ranvier's node under the condition of the ionic effect of cadmium and nickel. B. I. Khodorov, V. I. Beliaev Biofizika 8 no. 6:707-714 '63.

Study of supravital nerve cells. B. N. Veprintsev, E. A Vul'fius, V. E Snungskaia Biofizika 9 no. 1:122-124 '64.

NERVES, SPINAL—INFLAMMATION

Comparative studies on clinical and electromyographic indices in cervico-thoracic radiculitis and ganglionitis. N. A. Belaia, E. I. Sorokina. Zhur. nevr. i psikh. 64 no. 5 690-693 '64

Limited spinal epiduritis as a cause of lumbosacral radiculitis IA. K Aas Zhur. nevr. i psikh. 64 no. 5:712-717 '64

NERVES, SPLANCHNIC

Anatomical connections of cortical representation zones of the splanchnic nerve in cats with the premotor, motor and limbic systems. V. IU. Ermolaeva. Biul. eksp. biol. i med. 56 no. 8:107-111 Ag '63.

NERVOUS SYSTEM

Akademiia meditsinskikh nauk SSSR. Moscow. [Contemporary problems of electrophysiological studies of the nervous system] Sovremennye problemy elektrofiziologicheskikh issledovanii nervnoi sistemy. Moskva, Meditsina, 1964. 519 p.

Characteristics of the nervous system in newborn infants under normal and pathological conditions. I. O. Gilula, E. S. Stal'nenko. Zhur. nevr. i psikh. 63 no. 7 1012-1017 '63.

Characteristics of the summation process in various functional states of the spinal reflex arc IA [illegible] Kolomeichenko. Nerv. sist. no. 3:74-83 '63

Determination of threshold concentrations of [illegible] acetylene affecting the central nervous system of rabbits and white mice. M. S. Gizhlarian. Izv AN Arm. SSR. Biol. nauki 16 no. 2:69-78 F '63

Dynamics of the refractivity of a nerve and the [illegible] motor unit. N. E. Shvinka Nerv. sist no. 3:[illegible] '62.

Effect of the central nervous system on the [illegible] reaction of myoneural junction. M. I. Sitalkova. Vest. LGU 19 no. 9:80-91 '64.

Effect of various nutritional levels on [illegible] in animals in ontogenesis E. P. Kokorina. Vop. pit. 22 no. 6 60-67 N-D '63

Effect of vitamin C on the functional status of the [illegible] nervous system in dysenteric patients. A [illegible] Vop. pit 22 no. 6.30 33 N-D '63

Etiology, pathogenesis and clinical aspects of Dupuytren's contracture P. D. Topalov. Ortop., travm. i protez. 24 no. 12:36-41 D '63.

Orbeli, L. A. [Selected works in five volumes] Izbrannye trudy v piati tomakh. Moskva, Izd-vo "Nauka."
Vol. 3. [Problems of higher nervous activity and its development] Voprosy vysshei nervnoi deiatel'nosti i ee razvitiia. 1964. 479 p.

Relationship between the structure of derivatives of [illegible] azoledicarboxylic diamides and their effect [illegible] segments of the central nervous system [illegible] Vest AMN SSSR 18 no 8 17-[illegible] '63.

Some aspects relating to the development of theoretical principles of work physiology. M. I. Vinogradov and others. Nerv. sist. no. 3:145-151 '62.

Some methodological problems in the reactivity in children. R. A. Kaltuzhnaia. Vest. AMN SSSR 19 no. 1:53-59 '64.

Thyrotropic reaction under the conditions of [illegible] tone of the central nervous system by caffeine V. D Bubnov. Uch. zap. Tadzh. un. 17 Trudy Fak. est. [illegible] no. 3 63-67 '58.

NERVOUS SYSTEM—AGING

Age-related morphology of the motor nerve endings of the masseter and facial muscles in rabbits. I E. Novoderezhkina. Trudy SMI 15:90-97 '62.

Functioning of analyzers in the formation of complex systems in temporary connections in elderly people L. A. Butyanovich. Vestsi AN BSSR, Ser. biial. [illegible] no. 3.63-67 '63.

NERVOUS SYSTEM—DISEASES
(see also subdivision under Aktash, Tashkent Province)

Changes in the nervous system in experimental myocardial infarction caused by a ligation of the coronary arteries. G. M. TSvetkova. Trudy SMI 15:217-225 '62.

Indrasius, N. [Nervous diseases and how to prevent them] Nervu ligos ir kaip ju saugotis. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 23 p [In Lithuanian]
(DNLM)

Morphology of compensatory reactions in the nervous system in acute coronary insufficiency without pronounced organic changes in the heart G. M TSvetkova Trudy SMI 15:200-206 '62.

Morphology of compensatory reactions in the nervous system in coronary insufficiency with an acutely pronounced stenosing coronary sclerosis. G. M TSvetkova Trudy SMI 15:207-216 '62.

Neurodystrophic calcifications and ossifications. A. A. Smirnova, P. D. Khazov. Vest. rent. i rad. 38 no 3 71-72 My-Je '63.

Problem of neuroinfections in children at the First Congress of Neuropathologists and Psychiatrists of the R. S. F. S. R. (October 1962). Zhur. nevr. i psikh. 63 no. 7:1110-1112 '63.

Review of Ivan Tomkov's book "Carbon monoxide intoxication of the nervous system." S. Zhugzhdo. Zhur. nevr. i psikh. 64 no. 5.796 '64.

Studies on the rate of spreading of neural excitation in some diseases of the nervous system. Z. Kh. Markovich Zhur. nevr. i psikh. 64 no. 5 718-722 '64.

Thermoregulation disorders in organic diseases of the nervous system in children. R. R. Sheidina, L. P. Trubacheva. Zhur. nevr. i psikh. 63 no. 7:1000-1003 '63.

NERVOUS SYSTEM—DISEASES—BIBLIOGRAPHY see Bibliography—Nervous system—Diseases

NERVOUS SYSTEM—SURGERY

Clinicomorphological comparisons in medulloblastomas of the posterior cranial fossa in children. M. N. Potanina, V. V. Khokhlova. Zhur. nevr. i psikh. 63 no. 7:986-990 '63.

Some morphophysiological and biochemical changes in reproductive and endocrine organs of birds after injury of the central nervous system. M. B. Nasarian. Izv. AN Arm. SSR. Biol. nauki 17 no. 1:47-58 Ja '64.

NERVOUS SYSTEM, AUTONOMIC

Body reactions during the prolonged effect of coriolis accelerations. N. I. Arlashchenko and others. Biul. eksp. biol. i med. 56 no. 8:26-33 Ag '63.

NERVOUS SYSTEM, AUTONOMIC (Continued)

Changes in higher nervous activity and some autonomic reactions in a long stay in conditions of relative adynamia and isolation N A Agadzhanian and others Zhur vys nerv deiat 13 no 6 953-962 N-D '63

Functional state of the vegetative nervous system in premedication with neuroplegic mixtures for local anesthesia. A. A Gadzhiev, G. A Tagiev Azerb. med zhur. 40 no 10 10-15 O '63.

Influence of the vegetative nervous system on the heart activity and breathing of rabbits. L.I.Frolova. Pratsi Od.un. 150 Zbir.stud.rob. no.6:147-149 '60.

Mechanisms of the central effects of the vegetative nervous system on cardiac activity. V.I.Klimova-Cherkasova. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8:525-527 '63.

NERVOUS SYSTEM, AUTONOMIC—DISEASES

Nature of sensory disorders in lesions of the autonomic nervous system. I.I Shogam. Zhur nevr i psikh 64 no 5 701-706 '64.

NERVOUS SYSTEM, SYMPATHETIC

Effect of immune complexes on the superior cervical sympathetic ganglion A A Podkolzin. Vest AMN SSSR 18 no 11:25-28 '63

Effect of novocaine block in the stellate ganglia on diphosgene-induced pulmonary edema N I Karakchiev Pat.fiziol i eksp.terap 7 no 6 71-72 N-D '63

Localization of acid and alkaline phosphatases in human sympathetic ganglia [with summary in English]. A.G. Greten. Arkh.anat.,gist.i embr. 44 no.6:97-102 Je '63.

Neurohumoral regulation of the biosynthesis of blood coagulation and anticoagulation factors in the liver A A Markosian, Kh D Lomazova, L M Metal'nikova Pat fiziol i eksp terap. 7 no.6 53-57 N-D '63.

Some data on the comparative evaluation of the adaptive role of the sympathetic nervous system in the diagnosis of acute appendicitis. A.B Aliev. Azerb. med zhur. 40 no 10:48-53 O '63.

NERVOUS SYSTEM, SYMPATHETIC—DISEASES

Pathological changes in the sympathetic ganglia in endarteritis obliterans. A.A.Abbasov. Dokl.AN Azerb.SSR 19 no.6:83-87 '63.

NERVOUS SYSTEM, VASOMOTOR

Venomotor center. E.G.Skipina. Izv.AN Kazakh.SSR. Ser.med.nauk 11 no.2:3-16 '64.

NESTEROVICH, NIKOLAI DMITRIEVICH, 1903-

Nikolai Dmitrievich Nesterovich, on his 60th birthday. I. D. IUrkevich, N. I. Chakalinskaia. Vestsi AN BSSR. Ser.biial.nav. no.3:130-136 '63.

NETHERLANDS—COMMERCE—RUSSIA

Zlatogorov, L.S., ed. [Holland; commerce and transport, industry and agriculture; handbook for encouraging the development of commerce between the U.S.S.R. and the Netherlands. Translated from Dutch] Gollandiia; torgovlia i transport, promyshlennost, sel'skoe khoziaistvo; spravochnik dlia sodeistviia razvitiiu torgovykh snoshenii mezhdu SSSR i Niderlandami. Izd.2., perer. i dop. [Amsterdam] 1959. 250 p.
(OkU)

NEURASTHENIA

Acupuncture in compound sanatorium treatment of neurasthenia. E.S.Vel'khover. Izv.AN Kazakh.SSR. Ser.med.nauk 11 no.2:59-64 '64.

Clinical dynamics of neurasthenia. V.V.Korolev. Zhur. nevr.i psikh. 64 no.5 723-729 '64.

Effect of a single acupuncture treatment on the bioelectric activity of the brain in neurasthenia. E.S.Vel'khover. Izv. AN Kazakh.SSR.Ser.med.nauk no.1:37-42 '64.

Hypophysial and adrenal system in neurasthenias and hysterias V.T.Bakhur. Zhur.nevr i psikh. 64 no.5 735-744 '64.

NEUROCHEMISTRY

Distribution of succinic dehydrogenase in individual cell formations of the cutaneous and motor analyzers of the rabbit, cat and monkey. E.L.Tumanian. Izv. AN Arm.SSR.Biol.nauki 16 no.9:55-63 S '63.

Experimental analysis of the functional role of neurohypophyseal capillaries. I.G.Akmaev. Dokl.AN SSSR 156 no.2:441-443 My '64.

Proteins of the nervous system A.V.Palladin. Priroda 53 no 7:24-31 '64.

NEUROLOGY

Amputation in unhealing neurogenic ulcer. N.A. TSirkunova. Ortop., travm.i protez. 24 no.12:14-20 D '63.

Review of V.V. Mikheev's book "Textbook of neural diseases for students of medical institutes". D.G. Shefer. Zhur.nevr.i psikh. 63 no.7:1107-1108 '63.

NEUROPSYCHOPHARMACOLOGY

Effect of some central neurotropic substances on the motor activity of an empty stomach. L.L.Grechishkin. Farm.i toks. 26 no 1:36-40 Ja-F '63.

NEUROSES

Correlation of adrenergic and cholinergic substances in some neurotic symptoms V.K.Miager, A.I.Goshev Zhur.nevr i psikh 64 no 5 742-745 '64.

Moscow. Psikhonevrologicheskaia gorodskaia bol'nitsa no.3. [Collection of scientific works dedicated to the 150th anniversary of the Hospital] Sbornik nauchnykh trudov, posviashchennyi 150-letiiu bol'nitsy. Pod obshchei red. V.M.Banshchikova i N.N.Krylovoi. Red. kollegiia A.N.Zalmanzon i dr. Moskva, 1963. 487 p. [Cover title: Voprosy kliniki patofiziologii, patoanatomii, terapii psikhozov i organizatsii psikhonevrologicheskoi pomoshchi].
(DNLM)

Some hemodynamic indices in radiation sickness caused by disorders in cortical dynamics. G.S.Akhmeteli. Trudy Inst.klin.i eksper kard.AN Gruz.SSR 8:499-502 '63.

NEUTRALITY

Uncommitted states and the struggle for peace. N.Pastukhov Kommunist 41 no.9:97-103 Je '64

NEUTRON DIFFRACTION EXAMINATION

Neutron diffraction study of manganese-zinc ferrite. IU.IA.Konakhovich, IU.G.Saksonov. Kristallografiia 8 no.1:25-31 Ja-F '63.

Neutron diffraction study of yttrium-neodymium ferrite with a garnet structure. IU.S.Kuz'minov, I I.IAmzin, N.V.Belov. Kristallografiia 8 no.1:21-24 Ja-F '63.

Neutronographic study of high temperature beryllium oxide. I.M Kuleshov, G G.Sadikov, Z.A Sokolova Zhur.fiz.khim. 36 no 6:1369-1371 Je '62.

NEUTRON SOURCES

Nonstationary problems in the kinetic theory of neutron transfer. IA.I.Granovskii, A.A.Kostritsa. Atom. energ. 16 no.6,504-509 Je '64.

NEUTRON SPECTROMETRY

Interaction cross section of neutrons with Sm^{149} and In^{115} nuclei. R.B.Begzhanov and others. Atom. energ. 16 no.6 523-524 Je '64.

NEUTRONS

Effect of neutron irradiation on the breakdown of metallic solid solutions. G.I.Natsvlishvili, V.S.Chikobava. Trudy Inst.fiz.AN Gruz.SSR 9.159-169 '63.

Effect of the width of the resonance region of γn-reactions on the integral cross sections determinable by the method of thick specimens I.IU.Kuruts, M.I.Tarabii, V A.Shkoda-Ul'ianov. Nek.probl sovr.fiz iadra i elem. chast no 1 73-78 '57.

Heavy hydrogen and neutron isotopes. N.A.Vlasov, L.N. Samoilov. Atom.energ. 17 no.1:3-9 Jl '64.

Production of highly polarized neutrons. N.G.Baazov, A.G.Mandzhavidze. Trudy Inst.fiz.AN Gruz.SSR 9.191-199 '63.

Space-energy distribution of neutrons in a homogeneous moderator. D.A.Kozhevnikov. Atom.energ. 17 no.1:34-44 Jl '64.

NEUTRONS—CAPTURE

Attenuation of beams of fission neutrons in iron - water mixtures. V.P.Mashkovich and others. Atom.energ. 17 no.1:66-66 Jl '64.

Dorchoman, D., and others. [Search for the interference of the resonance neutron capture with the potential one in the resonance of gold at 4.9 ev.] Poiski interferentsii rezonansnogo zakhvata neitronov s potentsial'nym v rezonanse zolota 4,9 ev. Dubna, Ob''edinennyi in-t iadernykh issl., 1963. 11 p.

Neutron passage through carbon and an iron - carbon mixture. V.K.Daruga and others. Atom.energ. 17 no.1:60-63 Jl '64.

Space-energy distribution of neutrons from a BR-5 reactor in an iron-ore medium. V.K.Daruga and others. Atom.energ. 17 no.1:63-65 Jl '64.

NEUTRONS—PHYSIOLOGICAL EFFECT

Biological action of fast neutrons. I. K. Petrovich, IU. I. Moskalev. Radiobiologiia 3 no.6:785-794 '63.

NEUTRONS—SCATTERING

Polarization in neutron scattering by nuclei with rotational and vibrational spectra. V.S.Ol'khovskii, IU.V.TSekhmistrenko. Ukr.fiz.zhur. 9 no.2:220-223 F '64.

NEVINNOMYSSK (STAVROPOL TERRITORY)—HOUSING MANAGEMENT

In the ninth block. L Voronenko. Zhil.-kom.khoz. 13 no.10:15 O '63

NEW YEAR

It is interesting to know. Sov.voin 44 no.24:45 D '62.

NEW ZEALAND—COAL MINES AND MINING

Through Australia and New Zealand. A. Semenov, G. Kononchuk. Sov.shakht. 12 no.9.44-46 S '63.

NIACIN see Nicotinic acid

NICKEL

Cobalt and nickel content in some food products of Georgia. S.D.Taktakishvili. Vop.pit. 22 no.6: 73-74 N-D '63.

Modification of the level of critical depolarization and the action potential of electrotonus in a single Ranvier's node under the condition of the ionic effect of cadmium and nickel. B.I.Khodorov. V.I.Beliaev. Biofizika 8 no.6:707-714 '63.

NICKEL—MAGNETIC PROPERTIES

Effect of the bath and its temperature on the magnetic properties of the nickel layer obtained by the chemical method. N.V.Kotel'nikov, N.A Korenev, T D.Ermolina. Izv.Sib otd.AN SSSR no.6:105-107 '62.

NICKEL ALLOYS—INCLUSIONS

Nonmetallic inclusions in nickel-base alloys. V.A. Urazova, O.V Dimant, Sui IUi- TSzian' [Sui Yu-chien] Izv.AN SSSR.Met.i gor.delo no.3:148-153 My-Je '64

NICKEL CATALYSTS

Catalytic decomposition of hypophosphites. Report No.2: Decomposition in the presence of nickel and cobalt. A.Luneckas. Trudy AN Lit.SSR.Ser.B no.1:143-149 '64.

Specific catalytic activity of nickel catalysts in the hydrogenation of fats S.IU.Elovich, T.D Semenovskaia. Zhur.fiz.khim. 36 no.6:1255-1260 Je '62.

NICKEL-CHROMIUM-IRON ALLOYS see Iron-nickel-chromium alloys

NICKEL-CHROMIUM-TITANIUM ALLOYS—METALLOGRAPHY

$Ti_n Ni_m S$ phase in IKh18N12T and IKh18N9T steels V.N.Guliaev, IU.P.Bulanov. Izv.AN SSSR.Met i gor delo no.3:146-147 My-Je '64.

NICKEL-MANGANESE ALLOYS—THERMODYNAMICS

Thermodynamic properties of alloys of the system manganese - nickel G V.Pozharskaia, A M.Evseev Zhur.fiz.khim. 36 no.6:1358-1360 Je '62.

NICKEL ORES see subdivision under Orenburg Province

NICKEL PLATING

Effect of the bath and its temperature on the magnetic properties of the nickel layer obtained by the chemical method. N.V.Kotel'nikov, N.A.Korenev, T.D.Ermolina. Izv.Sib.otd.AN SSSR no.6:105-107 '62.

Electroless nickel plating of metals. T.N.Khoperiia, Zh.F.Khomasuridze Soob.AN Gruz.SSR 34 no.1: 91-98 Ap '64.

NICOCHLORANE

Nicochlorane in the control of ectoparasites of domestic birds. L.F.Romasheva, S.K.Sartbaev, S K Kasiev. Izv.AN Kir.SSR.Ser.biol.nauk 6 no.2:71-76 '64.

NICOTINIC ACID

Possibility of the endogenous synthesis of nicotinic acid in total gastrectomy patients. E.P.Chunakova. Vop. pit. 22 no.6,27-30 N-D '63.

Secretory function of the stomach in niacin deficiency induced by β-acetylpyridine administration S IA Mikhlin, M.F.Nesterin Pat fiziol.i eksp terap 7 no.6: 61-64 N-D '63

Treatment of pigmented degeneration of the retina K.A.Adigezalova-Polchaeva, T A.Safarova. Azerb. med.zhur. 40 no.10:16-21 O '63.

NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Effect of some nicotinic acid preparations on phagocytosis in irradiated animals. E M.Chukichev. Farm i toks. 26 no.1 80-84 Ja-F '63

NIFONTOV, A.S.

A historian's research work. A.S.Nifontov. Ist. SSSR 7 no.2:118-140 Mr-Ap '63.

NIGHT VISION

With the assistance of a device for night vision. S.Pansik. Starsh.-serzh. no.6:27 Je '64

NIHILISM

Figner, V.N. [Toil embossed in memory; reminiscences in two volumes] Zapechatlennyi trud; vospominaniia v dvukh tomakh. Moskva, Izd-vo "Mysl'," 1964. 2 v.

NIKOLAYEV PROVINCE—LIMA-BEAN POD BORER—EXTERMINATION

Lima-bean pod borer in the southern Ukraine. A.K. Rafal'skii. Zashch.rast.ot vred.i bol. 9 no.6:16-17 '64.

NIKOLAYEV PROVINCE—REINFORCED CONCRETE CONSTRUCTION

Using the industrial method for the production of reinforced concrete half frames. A.Val'ter, V.Rzhechyts'kyi. Sil'.bud. 13 no.3:13-14 Mr '63.

NIKOLAYEV PROVINCE—SAVINGS BANKS

For the efficient introduction of progressive work methods. IU.Reshetniak. Den.i kred. 22 no.6: 58-61 Je '64.

NIKOLAYEV PROVINCE—STRUCTURAL FRAMES

Using the industrial method for the production of reinforced concrete half frames. A.Val'ter, V.Rzhechyts'kyi. Sil'.bud. 13 no.3:13-14 Mr '63.

NIKOPOL' REGION (DNEPROPETROVSK PROVINCE)—MINE RAILROADS—CARS

[illegible] cars on the [illegible] Marganets Basin. I F [illegible] FoPI [illegible] 31 159-202 '63

NIKULIN, LEV VENIAMINOVICH, 1891-

My [illegible] Nov.mir 39 no 10 199-202 [illegible] '63

NIOBIUM

[illegible] of niobium in some elec- [illegible] T P B[illegible]areva Zhur.fiz [illegible] -574 Ap '63

NIOBIUM-BERYLLIUM ALLOYS see Beryllium-Niobium alloys

NIOBIUM ISOTOPES

[illegible] of mammary glands [illegible] V.I.Per[illegible] Biul.eksp biol i med. [illegible] Ag '63

NIOBIUM-TITANIUM-CHROMIUM ALLOYS see Titanium-niobium chromium alloys

NITRATES
(see also subdivision under Indian Ocean)

[illegible] peroxide on the reduction of nitrates [illegible] A.A Gurevich, L.N. Trubachev, [illegible] Dokl AN SSSR 156 no 2 457-460 My [illegible]

[illegible] of the nature of cation on the mobility of oxygen [illegible] in nonaqueous solutions. Part 3. O K [illegible] and others. Zhur fiz khim 37 no.4,879-881 [illegible]

NITRATES—PHYSIOLOGICAL EFFECT

[illegible] of the effect of some preparations [illegible] group of organic nitrates on the cardiovascular system under experimental conditions V N Dziak, I F [illegible] B N Bezl[illegible] Farm i toks 26 no 1 47-[illegible] Ja-F '63

Effect of nitrates and nitrites on the composition of the fermentation products of butyric acid bacteria. G I Pereverzeva. Izv TSKHA no 5,130-134 '63.

NITRATION

[illegible] and transformations in the diaryl urea series Part 1 Nitration of symmetrical diphenylurea in the presence of catalysts A V Topiche, D F Kutepov Zhur ob khim 34 no 5 1640-1642 My '64

2,1 3-Thia- and selenadiazoles. Part 30: Nitration of mono- and dimethyl derivatives of benzo-2,1,3-thiadiazole. V G.Pesin, V.A Sergeev, A.M Khaletskii. Zhur.ob.khim 34 no 6,1986-1992 Je '64.

NITRIC ACID

Kinetics of the mixed adsorption of arsenic compounds on activated charcoal from nitric acid solutions D IA Evdokimov. Zhur.prikl khim. 37 no 5;980-984 My '64

NITRILES

Sulfanilides. Part 14: Nitriles of N-aryl sulfonyl-β-phenylalanine. Z.F.Solomko and others. Zhur.ob.khim 34 no 6;1964-1968 Je '64

Synthesis of dinitriles of azelaic and sebacic acids. M.I. IAkushkin, V.P.Bochkova. Khim.prom. no.4 272-275 Ap '64.

NITRITES

Nitritometric titration with internal indicators [with summary in English]. L.N.Guseva. Apt.delo 12 no.2:44-50 Mr-Ap '63.

NITRITES—PHYSIOLOGICAL EFFECT

Effect of nitrates and nitrites on the composition of the fermentation products of butyric acid bacteria. G.I. Pereverzeva. Izv.TSKHA no.5;130-134 '63

NITRO COMPOUNDS

Direct substitution of the nitro group in aromatic nitro compounds by chlorine with the aid of chlorine-containing carbon compounds. A.A.Ponomarenko. Dop.AN URSR no.6:787-790 '63.

Synthesis of esters of nitrocarboxylic acids in the presence of the AV-17 anion exchanger. V.I.Isagulants, E.L.Markosian. Zhur.prikl.khim 37 no.5;1145-1148 My '64.

NITROBENZENE

Catalytic reduction of aromatic nitro compounds. Part 14: Reduction nitrobenzene on platinum black. V.P.Shmonina. Zhur.ob.khim. 34 no.6:2020-2026 Je '64.

NITROGEN

High-temperature oxidation of nitrogen by oxygen O.I.Stezhens'kyi, O O.Zagorovs'kyi. Khim.prom. [Ukr] no.1 20-24 Ja-Mr '63

NITROGEN—FIXATION

Effect of light on the growth and nitrogen fixation of some blue-green algae Muhammed Samah Taha Fiziol. rast 11 no 3 424-431 '64.

NITROGEN METABOLISM

Effect of nitrogen fertilizers on the dynamics of carbohydrates and nitrogen in flax. L.L.Koshaleva. Vestsi AN BSSR.Ser.biial.nav. no.3:51-58 '63.

NITROGEN ORGANIC COMPOUNDS

Mass spectra of some polyfluorinated organic compounds with a nitrogen-oxygen bond. S.S Dubov, A.M Khokhlova Zhur.ob.khim. 34 no 6;1961-1964 Je '64.

NITROGEN OXIDES

Treatment of severe forms of tetanus by the continuous use of nitrous oxide M Z Bass, V M Ivanitskii Vest khir 91 no 10 120-121 O '63.

NITRONES—DIPOLE MOMENTS

Dipole moments of certain nitrones. I.IU.Kokoreva and others. Dokl.AN SSSR 156 no.2 413-414 My '64.

NITROPARAFFINS

Cyanoethylation of nitroparaffins. V.I.Isagulants, Z.Poredda. Zhur prikl.khim. 37 no.5;1093-1099 My '64

NITROSATION

Automatic control of the nitrosation of phenylhydroxylamine in the production of Cupferron O P,Shvalka, M.S Konovchuk, E.G.Protsenko Khim.prom [Ukr] no 1 67-69 Ja-Mr '63

NITROSO GROUP

Reaction in which the nitroso group is cleaved off from aliphatic-aromatic nitrosamines B A Poral-Koshits and others Dokl.AN SSSR 157 no 3:629-631 Jl '64.

NITROSYL CHLORIDE

Interaction of nitrosyl chloride with unsaturated hydrocarbons Part 11 Reaction with 2-chloropropene K A Ogloblin V.P Semenov Zhur ob khim 34 no 5 1522-1525 My '64

Interaction of nitrosyl chloride with unsaturated hydrocarbons Part 12 Reaction with 2-pentene K.A. Ogloblin, M A Samartsev Zhur ob.khim 34 no 5 1525-1530 My '64

Interaction of nitrosyl chloride with unsaturated hydrocarbons Part 13 Reaction with 2,3-dimethyl-3-pentene, K A.Ogloblin, M A.Sarmartsev Zhur.ob khim 34 no 5 1530-1535 My '64.

NITROUS OXIDE

Federmesser, K. M. [Nitrous oxide analgesia in obstetric and gynecologic practice] Anal'geziia zakis'iu azota v akushersko-ginekologicheskoi praktike. Moskva, Meditsina, 1964. 134 p.
(DNLM)

NODES OF RANVIER

Change of electric activity in a single Ranvier's node of an isolated nerve fiber under the influence of novocaine. V.I.Beliaev. Biul.eksp.biol.i med. 56 no.8;24-28 Ag '63.

NOISE—PHYSIOLOGICAL EFFECT

Karagodina, I. L., G. L. Osipov, and I. A. Shishkin. [City and residential noises and their control] Gorodskie i zhilishchno-kommunal'nye shumy i bor'ba s nimi. Moskva, Meditsina, 1964. 230 p. (Biblioteka sanitarnogo vracha)

NOISE CONTROL

IUdin, E. IA., ed. [Noise control] Bor'ba s shumom. Moskva, Stroiizdat, 1964. 700 p.

Karagodina, I. L., G. L. Osipov, and I. A. Shishkin. [City and residential noises and their control] Gorodskie i zhilishchno-kommunal'nye shumy i bor'ba s nimi. Moskva, Meditsina, 1964. 230 p. (Biblioteka sanitarnogo vracha)

NOMOGRAPHY (MATHEMATICS)

New type of nomogram for determining the size of wires in mine cables. N.E.Markman. Izv.vys.ucheb.zav.; gor.zhur. 7 no.4:125-128 '64.

Nomograms for determining the specific consumption of electric energy in petroleum and petroleum products pipelining. S.B.Enikeev. Transp.i khran.nefti i nefteprod. no.4,7-9 '64.

Nomograph for determining the free length of a centrally compressed rod with elastic supports. A.G.Dorfman. Stroi.mekh.i rasch.sooruzh. 5 no.6;39-41 '63.

Nomograph to calculate the depth of the fountain in drop wells in round pipes. A.S.Meierov. Trudy GISI no.40:67-71 '61.

Nomographs for calculating steel pipelines. A.S. Moskvitin, IA.P.Gol'denbaum. Stroi.truboprov. 8 no.11;35-36 N '63.

Sufficiency of a generalized version of Gronwall's conditions for the nomographic representability of functions of several variables. S. V. Smirnov. Sib. mat. zhur. 5 no.1:131-148 Ja-F '64.

NONDESTRUCTIVE TESTING

Balazovskii, M. IA. [Nondestructive testing methods] Nerazrushaiushchie metody kontrolia. Moskva, Izd-vo "Mashinostroenie," 1964. 41 p. (Biblioteka kontrolera-mashinostroitelia)

Methods of instrument checking. Part 1: Checking by means of eddy currents. P.Beda. Av.i kosm. 46 no.5:45-48 My '64.

Methods of instrument checking. Part 2: Color defectoscopy. S.Kalashnikov. Av i kosm. 47 no.6;85-90 Je '64.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS INGOTS

Automatic portable-type equipment for the electric heating of ingots and castings. V. V. [illegible] Leleko. Sbor.st.NIITIAZHMASHa[illegible] no. 3:117-131 '64.

NONFERROUS METAL INDUSTRIES

A Look on the conversion of complex metal mattes N. N. Kubyshev, K. I. Akhmetov Vest AN [illegible] 10 no 8:73-75 Ag '63

NONFERROUS METALS

[Tons of nonferrous metals have been found; articles on the saving of nonferrous metals] Naideny tonny tsvetnykh metallov. [Kaluga] Kaluzhskoe knizhnoe [illegible] 1961. 76 p. (Rezervy proizvodstva — v deistvie)
[MICROFILM]

NONFERROUS METALS—METALLOGRAPHY

Zaitseva, L. P., and T. G. Porokhova. [Nonferrous metallography in visible and ultraviolet rays] TSvetnaia metallografiia v vidimykh i ul'trafioletovykh luchakh. Moskva, Izd-vo Metallurgiia, 1964. 142 p. illus.

NONFERROUS METALS—TESTING

[Nonferrous metals and alloys; methods of testing] TSvetnye metally i splavy; metody ispytanii. Izd. ofitsial'noe. Moskva, Izd-vo standartov (SSSR Gosudarstvennye standarty)
Pt. 1-2. 1964. 2 v.

NONMETALLIC MATERIALS

Formation and removal of nonmetallic inclusions during the refining of steel with liquid, synthetic slag A [illegible] Shalimov. Izv.AN SSSR.Met i gor. delo no. 3,[illegible] My-Je '64.

Nonmetallic inclusions in nickel-base alloys. V A Urazova, O. V. Dimant, Sul [illegible] Izv. AN SSSR. Met. i gor. delo no. 3:145-153 My-Je '64.

NONWOVEN FABRICS

International symposium on nonwoven textile fabrics. IA. K. Tiumenev. Leh.prom. no.2:77-78 Ap-Je '64

Krema, Radko, and others. [Nonwoven textile materials. Translated from the Czech] Netkanye tekstil'nye materialy. Moskva, Izd-vo "Legkaia industriia," 1964. 243 p.

Nonwoven fabrics. T. Rumiantseva Sov torg [illegible] 16-18 My '64.

NONWOVEN FABRICS—EXHIBITIONS

Special exhibition of nonwoven fabrics. L. V. T[illegible]ka. Leh.prom. no.2:79-80 Ap-Je '64.

NONWOVEN FABRICS—TESTING

Structural and mechanical characteristics of nonwoven fibrous film systems. N.O.Ovechenko, O.V.[illegible], S.A.Pavlov. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:32-38 '63.

NORBORNENE

Terpene phenols. Part 10: Condensation of norbornene with thymol and further transformations of the condensation product IU Gura, I. A. Kheifits Zhur ob khim. 34 no. 6 1055-1058 My '64.

NORTH ATLANTIC TREATY ORGANIZATION

Editorial comment. Nov.vrem. 21 no.27:1-2 Je '64

A lesson not for keeping D. Umanskii. Sov.voin 44 no.12:42 Je '64.

Victory for peaceful coexistence. Nov.vrem. 21 no.28 1-3 Jl '64.

NORTH KAZAKHSTAN PROVINCE—EARTHS, MEDICAL AND SURGICAL USES OF

Characteristics of the therapeutic muds in the lakes of North Kazakhstan Province. R.G.Koren'kova, R N Red'ko. Izv.AN Kazakh.SSR.Ser.med.nauk no.1,73-79 '64.

NORTH OSSETIA see Ossetia, North

NORTH SEA—HERRING FISHERIES

Herring fisheries in the North Sea. G.P.Domashenko Nauch.-tekh.biul.PINRO no 2/3:27-30 '62.

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DOLINA OIL FIELD—PETROLEUM GEOLOGY

Features of the tectonic structure and oil and gas potentials of the Northern Dolina, a new oil field. B.I.IArosh, IU.E.Kordiiak, N.N.Gun'ka. Neftegaz. geol.i geofiz. no.4:14-19 '63

NORTHERN DVINA RIVER—ICE ON RIVERS, LAKES, ETC.

Freezing of the Northern Dvina River in the autumn of 1961 and the effect of autumn ice jammings on the process of its opening in 1962. A.I.Chekrenev and others. Trudy LIVT no.46:66-71 '63.

NORTHERN DVINA RIVER—LUMBER—TRANSPORTATION

Construction of logitudinal booms and the methods of their fastening. G.A. Manukhin, K.A. Chekalkin, IU.S. Kondrat'ev. Izv. vys. ucheb. zav., les. zhur. 6 no.6.92-97 '63

NORWAY—COAL MINERS

At the 80th parallel. V. Batyrev. Sov shakht. 11 no.12: 40-41 D '62.

NORWAY—DESCRIPTION AND TRAVEL

[When trolls are sleeping; a story on how we became acquainted with Norway] Kogda spiat trolli; rasskaz o tom, kak my poznakomilis' s Norvegiei. [Moskva] Molodaia gvardiia, 1964. 108 p.

NORWAY—PILOTS AND PILOTAGE

Pilotage of sea vessels in Norway. M.I. Maksimadzhi. Inform. sbor. TSNIIMF no 86 Mor. pravo i prak no.19:10-23 '63.

NORWEGIAN SEA—HERRING FISHERIES

Development of plankton and the fattening conditions of herring in the Norwegian Sea during the spring and summer season of 1961. E.A. Pavshtiks. Nauch.-tekh biul. PINRO no. 2/3 34-36 '62.

NORWEGIAN SEA—PLANKTON

Development of plankton and the fattening conditions of herring in the Norwegian Sea during the spring and summer season of 1961. E.A. Pavshtiks. Nauch.-tekh biul. PINRO no. 2/3.34-36 '62

NORWEGIAN SEA—SEAWATER—COMPOSITION

Oxygen and biogenic elements in the Atlantic waters of the Norwegian and Greenland Seas. L S Ponomarenko. M.A Istoshina Nauch.-tekh biul PINRO no. 2/3·44-46 '62

NORWEGIAN SEA—SUBMARINE TOPOGRAPHY

Basic study results of the Arctic Scientific Institute of Marine Fisheries and Oceanography on the geomorphology of the bottom of the Norwegian Sea. V M. Litvin. Nauch-tekh. biul PINRO no. 2/3·46-51 '62.

NORWEGIAN SEA—TEMPERATURE

Hydrological conditions in the Norwegian and Greenland Seas in 1961 A P Alekseev, B. V. Istoshin, L R. Shmarina Nauch.-tekh biul. PINRO no 2/3·41-44 '62.

NOSE—DISEASES

Study of the etiology of infectious atropic rhinitis of swine with the help of tissue cultures. A. K. Volynets'. Mikrobiol. zhur. 25 no 6:33-37 '63.

Use of the mycelium of Penicillium in infectious atrophic rhinitis of swine. I. E. Golubev and others. Trudy Bel. nauch-issl. inst. zhiv. 3,312-314 '62.

NOVGOROD—FURNITURE INDUSTRY

From the work practices of Novgorod Furniture Combine. E.I. Potashev. Der. prom. 13 no. 3:21-22 Mr '64.

NOVGOROD (DUCHY)—CADASTERS

Cadasters of the "Bezhetskaya Pyatina" region as a historical source. Ist. SSSR 8 no. 1:73-80 Ja-F '64.

NOVIKOV-PRIBOI, ALEKSEI SILYCH, 1877-1944

Silych on the "Orel." V. Kostenko. Sov. voin 46 no. 13: 41-43 Jl '64.

NOVO-DMITRIYEVKA OIL FIELD—GASOLINE

Separating cyclohexane from the gasoline of the Novo-Dmitriyevka oil of Krasnodar Territory using a thiourea water-alcohol solution. G. G. Ashumov and others. Azerb. neft. khoz. 43 no.1:34-35 Ja '64.

NOVO-TROITSKOYE REGION (VOLNOVAKHA DISTRICT)—POLYZOA, FOSSIL

New polyzoans of the order Trepostomata from the Lower Carboniferous of the Donets Basin. N.N. Dunaeva. Paleont. zhur. no.2:39-44 '64.

NOVOCAINE

Basis of the methodology of the sacrospinal block. V.I. Popov, N.D. Murtazaev. Vest. khir. 91 no. 10:84-92 O '63.

Change of electric activity in a single Ranvier's node of an isolated nerve fiber under the influence of novocaine. V.I. Beliaev. Biul. eksp. biol. i med. 56 no.8:24-28 Ag '63.

Effect of a novocaine block used by A. V. Vishevskii's method on the regeneration of an injured skeletal muscle. E. IA. Korytnyi, M. Kh. Gekhman. Trudy SMI 16:131-140 '62.

Effect of "novhlod" on the development and course of atherosclerosis (experimental and clinical aspects). G.V. TSabadze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:195-202 '63.

Influence of novocaine and hexonium on the pressor effect of intraarterial administration of a hypertonic sodium chloride solution. T.I. Henesina. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:151-153 '60.

Treatment of purulent diseases of the extremities by intraosseous introduction of novocaine and antibiotics. G.I. Dmitriev. Vest. khir. 91 no. 10.117-118 O '63.

NOVOROSSIYSK—HARBOR

Rescuers. I Osipov. Nov. mir 39 no.10:155-179 O '63.

NOVOSIBIRSK—TELEVISION—REPAIRING

More on the repair of television sets P. Zorin. Sov torg. 37 no. 5 33-34 My '64

NOVOSIBIRSK—VEGETABLE TRADE

Potatoes and vegetables are sold peeled L. Gordzievskii Sov torg. 37 no. 5 33 My '64

NOVOSIBIRSK PROVINCE—FINANCE

Bank's role in developing the economy of Novosibirsk Province N Sentiakov Den i kred 22 no 7·21-26 Jl '64

NOVOSIBIRSK PROVINCE—PASTURES AND MEADOWS

Lowland meadows and grass marshes of the forest-steppe and steppe zones of the Altai Territory and Novosibirsk Province. N. V. Logutenko. Trudy TSSBS no. 6·306-333 '63.

Measures for the improvement of hayfields and pastures in Novosibirsk Province. T. A. Vagina. Trudy TSSBS no. 6:363-377 '63.

Natural forage lands and their use in the steppe and forest-steppe regions of Novosibirsk Province and the Altai Territory. I. P. Raiskii. Trudy TSSBS no. 6 343-354 '63.

NOVOTNY, ANTONIN, 1904-

Antonin Novotny. A. Sterbalova. Mir. ekon. i mezhdunar otn no. 6:140-141 '64.

NOVOUZENSK DISTRICT—AGRICULTURE—ECONOMIC ASPECTS

Stepanov, A. I. [An arid region and its economics] Zasushlivyi raion i ego ekonomika. Moskva, Izd-vo "Kolos," 1964. 246 p.

NOZZLES

Universal nozzle for the hoses of discharge standpipes. I. G. Shapovalov. Transp. i khran. nefti i nefteprod. no. 4:37 '64.

NUCLEAR COUNTERS

International Conference on Semiconductor Detectors of Nuclear Radiations. O. A. Matveev, B. P. Osipenko. Atom. energ. 16 no. 6:540-541 Je '64.

Mechanism of the operation of a discharge chamber. G. E. Chikovani, V. N. Roinishvili, V. A. Mikhailov. Soob. AN Gruz. SSR 33 no. 1·49-55 Ja '64.

Ryvkin, S. M., O. A. Matveev, and N. B. Strokan. [Transistorized nuclear counters] Poluprovodnikovye schetchiki iadernykh chastits. Leningrad, 1963. 39 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, no. 10)

NUCLEAR ENGINEERING

Tenth anniversary of nuclear power engineering. A. M. Petros'iants. Atom. energ. 16 no. 6·479-484 Je '64.

NUCLEAR FISSION

Angular distribution of fragments in U^{235} and Pu^{239} fission by 0.08 to 1.25 Mev. neutrons. V. G. Nesterov and others. Atom. energ. 16 no. 6·519-521 Je '64.

Cross section of Pa^{231} and Pu^{239} fission by neutrons in the energy range 1.5 to 1500 Kev. S. M. Dubrovina, V. A. Shigin. Dokl. AN SSSR 157 no 3;561-562 Jl '64.

Distribution of the radiative capture to fission cross section ratio for Pu^{239} along the height of the BR-5 reactor. V. I. Ivanov, N. N. Krot, G. N. Smirenkin. Atom. energ. 16 no. 6.497-500 Je '64.

Mean kinetic energy of fragments in above-threshold fission (n, nf). V. N. Okolovich, G. N. Smirenkin. Atom. energ. 16 no. 6;521-523 Je '64.

Some data on the spontaneous fission of Cm^{244}. V. I. Bol'shov and others. Atom. energ. 17 no. 1;28-34 Jl '64.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Complex formation of U (IV) with halide, sulfate, and perchlorate anions studied by the proton resonance method. V. M. Vdovenko, G. A. Romanov, V. A. Shcherbakov. Radiokhimiia 5 no. 6;664-668 '63.

Quadrupole nuclear relaxation of duterium in liquids. R. K. Mazitov. Dokl. AN SSSR 156 no. 2,418-419 My '64.

NUCLEAR PHYSICS

Domokosh, G., R. IA. Zul'karneev, and V. I. Nikanorov. [Theory of complex angular momenta and high-energy physics] Teoriia kompleksnykh uglovykh momentov i fizika vysokikh energii. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 24 p.

Get acquainted, physicists! L. Seregina. Sov. voin 46 no. 12;29 Je '64.

[illegible] of excitation of "zero" sound in nuclear matter [illegible]

NUCLEAR REACTIONS

[illegible], V. A., [illegible] [Mechanism of particle [illegible]] [illegible] 1963 [illegible]

Cascade interations between particles and nuclei in the high-energy region. V S. Barachenkov and others. Atom. energ. 16 no. 6 515-517 Je '64.

Effect of the width of the resonance region of γn-reactions on the integral cross sections determinable by the method of thick specimens I. IU Kuruts, M I Tarabii, V A. Shkoda-Ul'ianov Nek. probl. sovr fiz. iadra i elem chast no 1·73-78 '57

Electromagnetic transitions of elementary particles (inelastic form-factors) N N TSilosani. Soob AN Gruz SSR 31 no. 3 559-564 S '63

Fourteenth Conference on Nuclear Spectroscopy. V. P. Rudakov. Atom. energ. 16 no. 6 538 Je '64.

Generation of heavy particles and their role in the interpretation of experimental results in the superhigh energy region Dokl. AN SSSR 157 no. 2 328-330 Jl '64.

Huang Tsu-chan. [Application of the Treiman - Yang criterion to the reaction $n+p \rightarrow p+p+\pi^-$] Kriterii Traimana-IAnga dlia reaktsii $n+p \rightarrow p+p+\pi^-$. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 5 p.

The "photon difference" method as applied to blocks of infinite thickness V A. Shkoda-Ul'ianov Nek probl. sovr fiz. iadra i elem chast no. 1:55-59 '57.

(α, d) reaction on some light nuclei. T. I. Kopaleishvili, I. G. Ratishvili. Trudy Inst. fiz. AN Gruz. SSR 9·97-109 '63

Separation of Bi, Hg, and Ag from complex mixtures of elements by partition chromatography A. V Kaliamin Radiokhimiia 5 no. 6:749-751 '63.

Study of the products of reactions of heavy elements with multicharge ions. Part 1: Radiochemical determination of Ac^{225} and Ac^{226} occurring during the irradiation of uranium and thorium by nitrogen and neon ions I. Bradshtetr and others. Radiokhimiia 5 no 6;699-705 '63.

Study of the products of reactions of heavy elements with multicharge ions. Part 2: Yield of some isotopes of californium and fermium during the irradiation of thorium and uranium by O^{16}, O^{18}, and Ne^{22} ions. I. Brandshtetr and others Radiokhimiia 5 no. 6;706-711 '63.

Studying Pu^{239} accumulation from U^{238} γ-radiation. L. N. IUrova, A. V. Bushuev. Atom. energ. 16 no. 6 527 Je '64.

Use of the avalanche theory in determining the integral cross sections of γn-reactions for medium and light elements. V. A. Shkoda-Ul'ianov, V I Lend'el, I. IU. Krivskii. Nek. probl sovr. fiz. iadra i elem chast no. 1 60-72 '57.

Use of the photon "equilibrium spectrum" in calculating the cross sections of γn-reactions from the neutron yield curves for heavy elements with the aid of the "photon difference" method. V. I Gomonai and others. Nek. probl. sovr fiz iadra i elem chast. no. 1.79-84 '57.

Use of the photon equilibrium spectrum in determining the excitation function of neutron production by means of high energy electrons V A. Shkoda-Ul'ianov. Nek. probl. sovr fiz iadra i elem. chast no 1.89-101 '57

NUCLEAR REACTORS

Analytic method for the calculation of irregular burn-out of fuel in nuclear reactors. I. S. Akimov, E. I. Grishanin. Atom. energ. 16 no. 6;500-504 Je '64.

Low-temperature loop of an IRT-2000 reactor. E. L. Andronikashvili and others. Soob. AN Gruz. SSR 34 no. 1:45-52 Ap '64.

Nonstationary problems in the kinetic theory of neutron transfer. IA. I. Granovskii, A. A. Kostritsa. Atom. energ. 16 no. 6;504-509 Je '64.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: IAd. reak. no. 7 Jl '64.

NUCLEAR REACTORS—MATERIALS

Platov, IU. M. [New developments in the application of metals and alloys in industry; review of foreign techniques] Novoe v primenenii metallov i splavov v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 78 p. (Tema 10)
[MICROFILM]

NUCLEAR REACTORS—SHIELDING (RADIATION)

Attenuation of beams of fission neutrons in iron - water mixtures. V. P. Mashkovich and others. Atom. energ. 17 no. 1;65-66 Jl '64.

Space-energy distribution of neutrons from a BR-5 reactor in an iron-ore medium. V. K. Daruga and others. Atom. energ. 17 no. 1;63-65 Jl '64.

NUCLEI, ATOMIC—DECAY

Types of radioactive decay of nuclei. V. Aleksandrov. Voen znan. 40 no. 6;26-27 Je '64.

NUCLEIC ACID METABOLISM

DNA synthesis and multiplication of nuclei in the regeneration of the somatic musculature [with summary in English]. L. N. Zhinkin, L. F. Andreeva. Arkh. anat., gist. i embr. 44 no. 6:30-39 Je '63.

Nuclein metabolism during regeneration of the skeletal musculature under various conditions of x-irradiation [with summary in English]. E. V. Dmitrieva. Arkh. anat., gist. i embr. 44 no. 6;40-47 Je '63.

[illegible]

[illegible] under the in- [illegible] Vest [illegible]

[illegible] V. D [illegible] 1:60-72

[illegible] M. F. [illegible] Arr [illegible] 48-53 [illegible]

[illegible] with the [illegible] O. B [illegible] 653-653

[illegible] V. M. Zhdano- [illegible]

[illegible] the auxotrophic mutants [illegible] of changing [illegible] A. G. [illegible] and others [illegible] '63

[illegible] on the DNA content in the [illegible] irradiated with [illegible] Sbor. rab. Inst. tsit. no. 3:123- [illegible]

[illegible] on the content of nucleic [illegible] K. A. Samoilova, L. P. [illegible] Sbor. rab. Inst. tsit. no. 3 145-153 '63.

[illegible] X-ray irradiation on the nucleotide [illegible] DNA in the spleen and small intestines [illegible] 3 no. 6 815- [illegible]

[illegible] in relation to the rate of [illegible] N. A. Vlasova, [illegible] 7 no. 1 27-33 '63

[illegible] (DNA and RNA), [illegible] F. I. Bra- [illegible] no. 1 40-47 '64

[illegible] obtained from [illegible] O. [illegible] Biol., pochv. 18 [illegible]

Photometric study by the ultraviolet ray method of the effect of starvation on RNA and DNA content in [illegible] L. P. Ovchinnikova, G. V. Seli- [illegible] F. M. Kheitsin. Sbor. rab. Inst. tsit. no. 3:44-53 '63

[illegible] in the activation of the genetic [illegible] cells in the case of their [illegible] A. G. Bazardzhan, [illegible] Dokl. AN SSSR 157 no. 2 [illegible]

Some general problems of genetics microbiological [illegible] V. D. Timakov. Vest. AMN SSSR 18 [illegible] '63

[illegible] denaturation of deoxyribonucleoproteins. Report No. 1 Thermal DNA denaturation in a synthetic complex with ribonuclease. T. N. Kopylova-Sviridova. [illegible] 1 13-17 '64

NUCLEIC ACIDS—MAGNETIC PROPERTIES

Magnetooptic effect in nucleic acid solutions. M. I. [illegible] 1 128-131 '64

NUCLEIC ACIDS—OPTICAL PROPERTIES

Magnetooptic effect in nucleic acid solutions. M. I. [illegible] 9 no. 1 128-131 '64

NUCLEIN

Cell proliferation, protein and nuclein metabolism in inflammatory excrescences of the epithelium. L. I. [illegible] Arkh. anat., gist. i embr. 44 no. 6 87-92 Je '63

NUCLEONS—SCATTERING

[illegible] involving nonlinear meson cou- [illegible] M. [illegible] H. I. Maksimov. Nek. probl. [illegible] no. 1 113-141 '57.

Relation between the interaction potential and the scattering [illegible] M. [illegible] Nek. probl. sovr. fiz. [illegible] no. 1 101-110 '57

Some preliminary calculations in pair theory. IU. M. Lomsadze, B. I. Maksimov. Nek. probl. sovr. fiz. iadra [illegible] chast. no. 1 39-54 '57

NUCLEOPROTEINS

Study of denaturation of deoxyribonucleoproteins. Report No. 1 Thermal DNA denaturation in a synthetic complex with ribonuclease. T. N. Kopylova-Sviridova. Biofizika 3 no. 1 13-17 '64.

NUCLEOTIDASES

Isolation of 5'-nucleotidase of viper venom from interfering enzymes. L. L. Nikol'skaia, O. S. Kislina, T. I. Tikhonenko. Dokl. AN SSSR 157 no. 2 475-477 Jl '64.

NUCLEOTIDES

Fermentative hydrolysis of the phosphamide bond in nucleotidyl-(5'→N)-amino acids. R. K. Ledneva, Z. A. Shabarova, M. A. Prokof'ev. Dokl. AN SSSR 157 no. 2:473-474 Jl '64

Thin-layer chromatography method for separating nucleotides on ECTEOLA-cellulose. N. S. Panteleeva. Vest. LGU 19 no. 9:73-79 '64.

NUMBERS, THEORY OF

Borevich, Z. I., and I. R. Shafarevich. [Theory of numbers] Teoriia chisel. Moskva, Izd-vo "Nauka," 1964. 566 p.

NUMERICAL WEATHER FORECASTING

Experience in forecasting the atmospheric pressure in Transcaucasia using empirical functions of influence. A. G. Dzhaparidze. Soob. AN Gruz. SSR 31 no. 1:37-44 Jl '63.

NURSERIES

Smirnova, E. T. [Sanitation problems in designing standard preschool institutions] Gigienicheskie voprosy v proektirovanii edinykh doshkol'nykh uchrezhdenii. Moskva, Meditsina, 1964. 173 p. (Biblioteka sanitarnogo vracha)

NURSERIES (HORTICULTURE)

Chemical defoliation of apple seedlings in nurseries. M. D. Kuznetsov, A. A. Ebetullaev. Izv. TSKHA no. 5: 86-99 '63.

NUTRITION

Data on the interaction of nutritional and acid-defensive conditioned reflexes. N. E. Vasilevskaia, T. K. Nabokina. Nerv. sist. no. 3:101-109 '62.

Effect of various nutritional levels on nervous processes in animals in ontogenesis. E. P. Kokorina. Vop. pit. 22 no. 6 66-67 N-D '63.

Review of the collection "The problems of the hygiene of nutrition and alimentary diseases." K. S. Petrovskii and others. Vop. pit. 22 no. 6 76-78 N-D '63.

NUTRITION SURVEYS

Comparison of the 1954 and 1961 editions of tables listing chemical composition and nutritional values of food products. A. A. Mazo, L. G. Akhtyrskaia. Vop. pit. 22 no. 6:74-75 N-D '63

NUTS—CHEMICAL COMPOSITION

New accelerated method of determining the oil content of hazel nuts. E. N. Samoshkin. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 42-45 '63.

NYLON

Fusion sealing of seams and cuts on articles made from nylon fabrics. M. B. Risman and others. Leh. prom. no. 2:51-52 Ap-Je '64.

Modification of the surface properties of capron fibers by grafting polystyrene. A. I. Kurilenko and others. Dokl. AN SSSR 156 no. 2:372-374 My '64.

Reinforcement of capron fiber by means of modified bentonite. I. O. Uskov and others. Dop. AN URSR no. 6:798-801 '63.

Using bearings made of polycaprolactam in construction machinery. M. F. Stramous. Transp. stroi. 13 no. 12: 55-57 D '63.

NYLON—SPECTRA

Using ultraviolet spectroscopy for the investigation of the photodisintegration of polycaprolactam. K. A. Kornev and others. Khim. prom. [Ukr.] no. 1:65-66 Ja-Mr '63

NYLON—THERAPEUTIC USE

Use of capron and porolon for the reinforcement of hemostatic sutures in the liver; experimental morphologic study. E. N. Meshalkin, A. F. Oberfel'd, L. L. Kapuller. Khirurgiia 40 no. 2:81-86 F '64.

NYSTAGMUS

Body reactions during the prolonged effect of coriolis accelerations. N. I. Arlashchenko and others. Biul. eksp. biol. i med. 56 no. 8:28-33 Ag '63.

Role of otoneurological tests in the diagnosis of cerebrovascular disorders with clinical symptoms of tumor syndromes. A. M. Pulatov. Zhur. nevr. i psikh. 64 no. 5 647-653 '64

NYSTATIN—THERAPEUTIC USE

Use of levorin, an antifungal antibiotic, in the treatment and prevention of complicated candidiasis in surgical patients. I. G. Rufanov, A. M. Marshak, L. A. Sysoeva. Khirurgiia 40 no. 2:6-11 F '64.

NYUKHCHA RIVER—WATER—COMPOSITION

Hydrochemical conditions in the Nyukhcha region and in Sorokskaya Bay during the summer season. P. G. Lobza. Mat. po kompl. izuch. Bel. mor. no. 2:5-16 '63.

OB' VALLEY—ACARIANS AS CARRIERS OF DISEASE

Ixodid ticks and gamasid mites of the bank swallow in the basin of the middle course of the Ob' River. N. M. Stolbov, N. I. Igolkin. Trudy TomNIIVS 14:15-17 '63.

OB' VALLEY—BEARS (IN RELIGION, FOLKLORE, ETC.)

The bear cult in Ob' Valley. Y. N. Troitskaia. Izv. SO AN SSSR no. 9. Ser. obshchestv. nauk no. 3:60-65 '63.

OB' VALLEY—BLACKFLIES

Blackflies in the middle Ob' Valley. V. D. Patrusheva. Izv. Sib. otd. AN SSSR no. 3:94-110 '62.

OB' VALLEY—FORAGE PLANTS

Biological characteristics of some forage plants in the Ob' floodplain and their role in the structure of phytocenoses. E. F. Pen'kovskaia. Trudy [illegible] no. 6:278-284 '63.

OB' VALLEY—FOREST ECOLOGY

Pine forests in the forest-steppe and steppe regions of the Ob' Valley. G. G. Pavlova. Trudy [illegible] 131-162 '63.

OB' VALLEY—PASTURES AND MEADOWS

Dry meadows of the Ob' Valley. A. V. Kuminova, M. P. Mitrofanova. Trudy TSSBS no. 6:285-305 '63.

Vegetation of the floodplain of the Ob' River. E. F. Pen'kovskaia. Trudy TSSBS no. 6:211-263 '63.

OB' VALLEY—PINE

Pine forests in the forest-steppe and steppe regions of the Ob' Valley. G. G. Pavlova. Trudy [illegible] 131-162 '63.

OB' VALLEY—PLANT COMMUNITIES

Biological characteristics of some forage plants in the Ob' floodplain and their role in the structure of phytocenoses. E. F. Pen'kovskaia. Trudy [illegible] no. 6:278-284 '63.

OB' VALLEY—SWALLOWS AS CARRIERS OF DISEASE

Ixodid ticks and gamasid mites of the bank swallow in the basin of the middle course of the Ob' River. N. M. Stolbov, N. I. Igolkin. Trudy TomNIIVS 14:15-17 '63

OBSTETRICS

Rudiuk, M. P., and M. K. Venttskovskii. [Obstetrics and gynecology] Akusherstvo i ginekologiia. Moskva, Meditsina, 1964. 279 p.
(DNLM)

OCCUPATIONS

Occupation and qualification descriptions for schools. M. A. Zhidelev, I. S. Figanov. Shkola i proizv. [illegible] 11-15 My '64.

OCEAN BOTTOM see subdivision under Indian Ocean

OCEAN CURRENTS

(see also subdivision under Indian Ocean; Sargasso Sea)

Evaluating the accuracy and usefulness of the radar method for studying currents. I. S. Nikitin. Trudy GGO no. 150:145-151 '64.

OCEAN TEMPERATURE

Some characteristics of the distribution of water temperature in the surface layer. L. IU. Preobrazhenskii. Trudy GGO no. 150:99-101 '64.

OCEAN WAVES

All-Union conference on the problem of "Ocean waves and their Effect on Hydraulic Structures." [illegible] khoz. 42 no. 9:48 S '63.

OCEANOGRAPHIC INSTRUMENTS

Buoy for undistorted meteorological measurements over the sea. O. A. Kuznetsov. Trudy Inst. okean. 64:154-157 '61.

OCEANOGRAPHIC RESEARCH

(see also subdivision under Atlantic Ocean; Italy)

Decay of waves with depth. V. F. TSypliukhin. Trudy Mor. gidrofiz. inst. AN URSR 29:54-63 '64.

OCEANOGRAPHY

(see also subdivision under Atlantic Ocean; Barents Sea; Black Sea; Indian Ocean; Sargasso Sea)

Bogdanov, D. B., comp. [Stories about the world ocean, a reader. Textbook for teachers] Rasskazy o mirovom okeane; khrestomatiia. Posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 159 p.

Effect of the inner surface of a bathometer on the change in the concentration of the chemical elements in a water sample. V. N. Ivanenkov. Trudy Inst. okean. 64 80-84 '64.

Measuring the albedo of the sea. L. IU. Preobrazhenskii. Trudy GGO no. 150:116-119 '64.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. [Summaries of scientific works of the All-Union Scientific Research Institute of Marine Fisheries and Oceanography] Annotatsii nauchnykh rabot VNIRO po planu 1962 goda. Moskva, 1963. 81 p.

[MICROFILM]

Theory of ice drift in a horizontal-homogeneous sea. B. A. Kagan. Trudy GGO no. 150:30-52 '64.

V. I. Vernadskii's theory about the biosphere and its importance for modern oceanology. L. A. Zenkevich. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 3:4-9 My-Je '63.

OCTADECENOL

Reduction of oleic acid oxide and oleyl alcohol oxide by lithium aluminum hydride. G. V. Pigulevskii, A. E. Sokolova. Zhur. ob. khim. 34 no. 5:1647-1651 My '64

Diacetylene hydrocarbons Part 2. Preparation and hydrogenation of 2, 2, 5, 5-tetramethyl-3, 6-octadiyne A I Zakharova, G D. Il'ina Zhur ob khim 34 no 5 1389-1393 My '64.

OCTOBER OIL FIELD—PETROLEUM PRODUCTION

Certain data on the factual recovery factors for the October field. IU. M. Shcherbakov. Neft. khoz. 41 no. 7:39-43 Jl '63.

OCTOPUS

When octopuses are taught "geometry." K V. Massaev. Priroda 53 no 7 76-80 '64

OCTYNEDIOL

α-Glycols of the vinylacetylene series. Part 1: Synthesis, hydrogenation and acetylenation of 3,4-dimethyl-5-octyn-7-ene-3,4-diol. A.I. Nogaideli, N.A. Rtveliashvili. Zhur. ob. khim. 34 no. 6:1737-1741 Je '64.

ODESSA—AGRICULTURE—ECONOMIC ASPECTS

Research of the economists of the Odessa Agricultural Institute. E. Zhitomirskii, V. Ryklis. Ekon. sel'khoz. 35 no. 1:122-124 Ja '64.

ODESSA—COMMUNIST PARTY OF THE SOVIET UNION

[From the history of the Odessa party organization, sketches] Iz istorii Odesskoi partiinoi organizatsii, ocherki. Odessa, Izd-vo "Maiak," 1964. 587 p.

ODESSA—CONSTRUCTION EQUIPMENT

New building and finishing machines. V. Volkov. Sil' bud 13 no 7 22-23 Jl '63

ODESSA—WORLD WAR, 1939-1945

A city fights. I Mikhailov. Voen. znan 40 no. 6:7-8 Je '64

ODESSA PROVINCE—BULLDOZERS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Experience in increasing the capacity of bulldozers; based on materials of the Special Administration for Mechanization of the Administration of Construction of the Odessa Economic Council] Opyt povysheniia proizvoditel'nosti bul'dozerov; po materialam Spetsializirovannogo upravleniia mekhanizatsii Upravleniia stroitel'stva Odesskogo sovnarkhoza. Moskva, Gosstroiizdat, 1962. 38 p. [MICROFILM]

ODOROUS SUBSTANCES

Production of odorous substances from dicyclopentadiene. L.A. Kheifits, S.I. Virezub. Zhur. ob. khim. 34 no. 6: 2081-2084 Je '64.

OFFICE EQUIPMENT AND SUPPLIES

Ostanovskii, T.S. [School writing materials, office supplies, and toys] Shkol'no-pis'mennye, kantseliarskie tovary i igrushki. Moskva, Ekonomika, 1964. 190 p.

OGAREV, NIKOLAI PLATONOVICH, 1813-1877

Stepanishchev, S.S. N. P. Ogarev. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 59 p.

OIL FIELD BRINES

(see also subdivision under Amu Darya; Kara Kum; Karadag region, Azerbaijan; Turkmenistan)

Determining the saturation of gases dissolved in reservoir waters. I. K. Zerchaninov. Gaz. prom. 8 no. 3: 1-5 '63.

Significance of geological conditions when excluding reservoir waters. A. N. Mustafinov. Neft. khoz 41 no. 11:29-32 N '63.

OIL FIELD BRINES—MICROBIOLOGY see subdivision under Soviet Central Asia

OIL FIELD FLOODING

(see also subdivision under Romashkino Oil Field)

Distribution of injected water in a reservoir in elastic drive. F. M. Mukhametzianov. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:44-53 '62.

Drilling in when using aerated fluid with an admixture of surface-active substances. S.S. Dzhangirov. Nefteprom. delo no. 2:8-14 '63.

Effect of the random orientation of impermeable sections on the average hydraulic conductivity of a stratum. V.V. Skvortsov. Izv. AN SSSR. Mekh. i mashinostr. no. 3:178-182 My-Je '64.

Injection of water into a gas cap and its effect on the oil yield of layers. G. P. Guseinov. Azerb. neft. khoz. 43 no. 1:20-22 Ja '64.

More on the cause of sand plugging in flooded wells. V. G. Ishkhanov, G K. Mamedov. Azerb. neft. khoz. 42 no. 9:30-32 S '63.

Relative efficiency of methods of edge water and contour flooding. S. F. Korotkov. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:13-19 '62.

Results of forced exploitation of certain reservoirs in the Surakhany field. E.A. Voroshilov. Nefteprom. delo no. 1:18-22 '63.

Use of cyclone desander. W.B. Bleakley. Nefteprom. delo no. 2:30-32 '63.

Water drive of gas (air) from nonuniformly layered porous rocks. G. A. Mamedov, IA. G. Farzane. Izv. vys. ucheb. zav.; neft' i gas 7 no. 1:29-34 '64.

OIL FIELDS

(see also subdivision under Tatar A.S.S.R.)

Efendiev, G. Kh., R. A. Alekperov, and A. N. Nuriev. [Problems in the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 149 p.

OIL FIELDS—ELECTRONIC EQUIPMENT

Anisimov, N. G., G. R. Gil'manov, and V. I. Stratiev. [Frequency-type remote control system for oil fields] Chastotnaia sistema telemekhanizatsii neftepromyslov. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 83 p. [MICROFILM]

OIL FIELDS—EQUIPMENT AND SUPPLIES

[Electric equipment for oil and gas fields] Elektrooborudovanie neftianykh i gazovykh promyslov. Moskva, Izd-vo "Nedra," 1964. 303 p. (Biblioteka energetika-neftianika)

Practice of placing compensating systems in oil fields. IU. V. Bakhir. Prom. energ. 19 no. 6 14-15 Je '64.

OIL FIELDS—PRODUCTION METHODS see Petroleum production

OIL HYDRAULIC MACHINERY

Throttle control of minor consumption of fluids. I. Z. Zaichenko. Stan. i instr. 35 no 5:11-15 My '64

The VP701 oil-filled track switches. V. P. Kropachev. Mashinostroitel' no. 5:21 My '64.

OIL HYDRAULIC MACHINERY—BRAKES

Investigating the braking process of hydraulic piston turning gear in automatic equipment V. I. Malochka Vestsi AN BSSR. Ser fiz-tekh nav no. 1.122-128 '64

OIL HYDRAULIC MACHINERY—RELIABILITY

Increasing the reliability of the operation of oil systems in mine hoisting machinery A. I Borokhovich, V V Gusev. Shakht stroi 8 no 4 15 Ap '64.

OIL RESERVOIR ENGINEERING

(see also subdivision under Bavly region; Kumdag Oil Field)

Analysis of temperature measurements along the bore of wells operating below saturation pressure. V.S. Usenko, IU.I. Shaevskii, V.I Portnov. Nefteprom. delo no. 2:21-25 '63.

Determining reservoir parameters from the data of an investigation of a nonsteady inflow of a gas-liquid mixture. A. A. Bokserman, F. IA. Zazovskii, S. G. Kamenetskii. Neft. khoz. 41 no. 7:44-48 Jl '63.

Effect of gas overflow between interlayers on the change in the productivity factor in time R.K. Ageev, Z. M. Akhmedov Izv vys ucheb. zav., neft' i gaz 7 no. 1: 39-42 '64.

Effect of the viscosity and the displacement in rate ratio on the nature of the water-oil contact displacement and the oil yield of the reservoir. B. E. Kisilenko Neft. khoz. 41 no. 11:35-40 N '63.

Fluid flow in a fractured reservoir rock. R. G. Isaev. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:69-72 '64.

Methods for stimulating the well-bottom zone. V. M. Murav'ev. Nefteprom. delo no. 1:7-11 '63.

Modeling the contraction of an oil-water boundary on a slotted tray. V. L. Danilov, IU. A Teplov. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:33-44 '62

Motion of an elastic fluid in a nonuniform bed. I. A. Nasrullaev Azerb neft. khoz. 42 no 9:25-27 S '63.

Output of water-free oil flowing into a well in a nonuniform reservoir with bottom water and top gas. IU. A. Teplov. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:79-85 '62.

Processing the indicator curves of wells in a fractured reservoir. R. G. Isaev. Neft. khoz. 41 no. 11:43-49 N '63.

Relation of the oil and water output with their simultaneous inflow to a well in a fragment-uniform reservoir with bottom water. IU. A. Teplov. Izv. Kazan. fil AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:67-78 '62

Solution of a boundary value problem for an elliptical equation with discontinuous coefficients in the rectangular field with logarithmic features. L. V. Starshinova. Izv. Kazan. fil. AN SSSR. Ser. fiz-mat. i tekh. nauk no. 15:53-67 '62.

Using linear programming for the approximate solution of a problem in the control of the movement of an oil-water boundary. B. A. Seyfullina. Izv. Kazan fil. AN SSSR. Ser. fiz.-mat. i tekh. nauk no. 15:19-33 '62.

Using mathematical programming to determine the maximum possible withdrawal of oil. M.A. Mustafazade, F.G. Gasanov, IU.K. Osmanov. Dokl. AN Azerb. SSR 19 no. 6:25-29 '63.

OIL RESERVOIR ENGINEERING—ELECTRONIC EQUIPMENT see subdivision under Neftyanyye Kamni Oil Field

OIL RESERVOIR ENGINEERING—EQUIPMENT AND SUPPLIES

Instrument for the determination of the maximum petroleum recovery factor. V.T. Avanesov, Z. F. Rzabekov, V.R. Tavarian. Nefteprom. delo no. 2:18-21 '63.

OIL SANDS—ANALYSIS see subdivision under Caucasus; Dnieper-Donets Lowland

OIL SHALES see subdivision under Brazil

OIL WELL CASING

(see also subdivision under Azerbaijan)

Collapsing pressure for casings when casing oil and gas wells. O A. Lebedev. Neft khoz 41 no. 11:18-23 N '63.

Determining the best diameter for production casing. A. B. Suleimanov, K. A. Karapetov. Azerb. neft. khoz. 43 no. 1:22-27 Ja '64.

Determining the permissible internal pressure in casing strings A. E Saroian Neft. khoz 41 no 11:23-25 N '63.

OIL WELL CEMENTING

(see also subdivision under United States)

Driuchin, IU. P. [Well cementing; a practical handbook] TSementirovanie skvazhin, prakticheskoe rukovodstvo. Moskva, Nedra, 1964. 129 p.

Finding slow-hardening cements for the reinforcement of high-temperature wells. V. M. Viazel'shchikov Trudy Turk. fil. VNII no 6 110-112 '63.

OIL WELL COMPLETION see subdivision under Siberia, Western

OIL WELL DRILLING

Anisotropy of the mechanical properties of rocks as a cause of the crookedness of wells. IU. L. Boiarko. Neft. khoz. 42 no. 3:15-18 Mr '64.

Comparative data on specific operations in the disintegration of rocks under field and laboratory conditions V. S. Fedorov, V. V Bulatov, IU. Г. Alekseev Neft. khoz. 41 no. 11:11-14 N '63.

Cutting a window in the production casing when drilling the second hole of a well. A. A. Dzhafarov, V. I. Dokumentov. Neft. khoz. 41 no. 7 63-66 Jl '63.

Determining the changes in the drillability of rocks with depth. A A Akhmedov Izv vys ucheb zav, neft' i gaz 6 no 5.27-29 '63

Economic conditions for selecting the form of the organization to run drilling crews. I. V. Korshunov, M. A. Aleksandrov. Neft. khoz. 41 no. 7:10-13 Jl '63.

Effect of a magnetic concentrate on the freezing of a drilling tool. V. M. Pigrov. Azerb. neft. khoz. 43 no. 1:18-19 Ja '64.

Efficiency of the mechanization of lowering and hoisting operations in drilling. E. S. Syromiatnikov. Neft. khoz. 41 no. 7:22-25 Jl '63.

Hydraulic drilling-jar operation. N F Riazantsev Izv vys ucheb zav, neft' i gaz 6 no. 5 21-26 '63

Improve the planning of well construction; topic for discussion V N Vasil'ev Neft. khoz. 41 no. 1: 8-10 Ja '63.

Increasing the effectiveness of rock disintegration in the drilling of deep wells. V. V. Bulatov, L. A. Karnaukhov. Neft. khoz. 41 no. 7:13-17 Jl '63.

Increasing well-drilling speeds. K. I. Mangushev, I. S. Sergeev. Neft. khoz. 41 no. 7:18-22 Jl '63.

Investigating the dynamics of the movement of the string in a slant well. M. P. Gulizade and others. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:23-28 '64.

Investigation of side tracking. F. A. Guseinov Izv. vys. ucheb. zav., neft' i gaz 6 no. 5 41-46 '63.

Investigation of the hydromechanical interaction of phases in a viscoplastic liquid-gas system in the absence of heavy-phase gas flow V. D Shevtsov. Izv vys. ucheb zav, neft' i gaz 6 no 5 15-20 '63.

New method for determining the point at which the pipe is frozen S. M. Aksel'rod, A. M. Akhundov, IU. N. Ter-Grigorian. Neft. khoz. 41 no. 11:14-18 N '63.

Permissible axial loads for casing strings; a topic for discussion. A. E. Saroian, I F. Kasimov. Neft khoz. 41 no. 1:29-32 Ja '63.

Rehabilitation of inactive wells by the method of second shaft drilling. B. P. Mikerin. Nefteprom. delo no. 1: 26-29 '63.

Sliding and rolling speeds of a bearing depending on the dimensional relations of tricone bits. A. I. Ped'ko, M. A. Ismailov. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:101-104 '64.

System for paying the wages of superdeep prospect drilling crews. A.D. Shakhmamedov. Neft. khoz. 42 no. 3: 6-10 Mr '64.

System for payment of labor for drilling crews in prospecting drilling. A. D. Shakhmamedov. Neft. khoz. 41 no. 7:6-10 Jl '63.

Testing reservoirs while drilling wells using a tester on the cable. P. A. Brodskii, G. V. Shcherbakov. Neft. khoz. 41 no. 1:32-35 Ja '63.

OIL WELL DRILLING—CONGRESSES

Sixth World Oil Congress; drilling section. Neft. khoz. 41 no. 11:64-67 N '63.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

(see also subdivision under Kuybyshev)

All-Union competition in the production of high-duty bits for the drilling of wells 5-10 thousand m deep. Neft. khoz. 41 no. 7:72-73 Jl '63.

[illegible]

[illegible] drilling strings. [illegible] no. 7

[illegible] A. A. Mirz[illegible]

[illegible] no. 7 [illegible]

[illegible] IU. A. Gritsaenko [illegible] 32-34 '63.

[illegible] Sinking [illegible] G. P. D[illegible] 7 [illegible] 11-16 '64

[illegible] I. S. Z[illegible]kov and others [illegible] 41 [illegible] 57-59 [illegible] '63

[illegible] the operating conditions of the supports for [illegible] at the well bottom. A. M. [illegible]ulzade and [illegible] Mash. i neft. [illegible] no. 1 19-23 '64

[illegible] M. G. Aliev. Mash. i neft. obor. [illegible] '64

[illegible] abrasive-cutting bit. L. A. Karnaukhov, [illegible], K. I. [illegible]. Mash. i neft. obor. no. 3; 7-11 '63

[illegible] tests of casing and [illegible] M. A. [illegible] 42 no. 9 15-17 S '63

Selection of maximum speed for draw works. B. I. [illegible] Mash. i neft. obor. no. 3;31-35 '63

Single cone bit. T. Kh. Sarkisiants and others. Mash. i neft. obor. no. 3 3-6 '63

Valuable training and practical handbook. A. I. Il'skii's "Designing and manufacturing drilling equipment." I. I. [illegible] Neft. khoz. 41 no. 11;72-3 of cover N '63

OIL WELL DRILLING—SAFETY MEASURES

Berkovich, M. IA., L. A. Sinoplis, and N. V. Khlebnikov. [Preventing and eliminating accidents in structural drilling] Preduprezhdenie i likvidatsiia avarii v strukturno-poiskovom burenii. Moskva, Izd-vo "Nedra," 1964. 178 p.

OIL WELL DRILLING, ELECTRIC see subdivision under Kotur-Tepe Oil well

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES

Investigating the operation of an electric drill with raised frequency voltage power supply. A. A. Efendizade, R. A. Ioannesian, A. B. Fradkin. Neft. khoz. 41 no. 1 21-23 Ja '63

OIL WELL DRILLING, SUBMARINE see subdivision under Caspian Sea

OIL WELL DRILLING FLUIDS
(see also subdivision under Turkmenistan)

Analytic method for determining the location of the lost-circulation zone. IA. M. Hasizade, S. G. Gurbanov. Azerb. neft. khoz. 42 no. 9 21 S '63

Determining the heat capacity of clay muds using a differential electric calorimeter. S. M. Kuliev, G. G. Gelotov, B. I. Es'man. Dokl. AN Azerb SSR 19 no. 6: 41-45 '63.

Drilling fluids. R. A. Ashurov. Azerb. neft. khoz. 43 no. 1:42-43 Ja '64.

Variation in the indices of the simultaneous operation of a pump and a turbodrill turbine when using heavy muds. O. A. Ledlashov, I. F. Katryshev. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1 17-22 '64.

OIL WELL DRILLING FLUIDS—ANALYSIS

Effect of modified starch on the properties of drilling muds. V. P. Rudi. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5 109-113 '63

OIL WELL DRILLING FLUIDS—DENSITY

Measuring the specific weight of circulation mud. O. K. Angelopulo. Neft. khoz. 42 no. 3:18-20 Mr '64.

OIL WELL DRILLING FLUIDS—FLUID DYNAMICS

Turbulent flow of clay mud. N. P. Leshchiy, D. IU. Mochernluk. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1: 61-64 '64.

OIL WELL DRILLING RIGS

"Corkscrew-anchor" for bracing drilling derricks with guys. V. K. Nenashev. Mash. i neft. obor. no. 1;27-28 '64.

Designing electromagnetic sliding couplings for drilling rigs. V. S. Vartanov. Mash. i neft. obor. no. 1;13-17 '64.

Lifting capacity reserve of drilling rigs. G. N. Berzhets. Mash. i neft. obor. no. 1;7-13 '64.

Zhuravo, K. A., T. Z. Portnoi, and B. M. Shkol'nikov. [Drive for drilling rigs] Privod burovykh ustanovok. Izd. 2., isp. i dop. Moskva, Izd-vo "Nedra," 1964. 406 p.

OIL WELL DRILLING RIGS—COOLING

Accessory cooling system for V2-300 and V2-450 engines in "Uralmach 5D" and "Uralmach 3D" drilling rigs. A. A. Bubnor. Mash. i neft. obor. no. 1;27-28 '64.

[illegible]

Using chromium-boron steel for petroleum equipment parts. M. R. Shneiderov, IA. B. Shlimak, I. F. Kasimov. Metalloved. i term. obr. met. no. 6 43-44 Je '64.

OIL WELL LOGGING

Amplitudes of glancing waves on the surface of a well. V. G. Gratsinskii. Izv. AN SSSR Ser. geofiz. no. 6 819-835 Je '64

Determining the volume of a well with a caliper log. V. P. Ivankin. Razved. i prom. geofiz. no. 49;130-139 '63

OIL WELL LOGGING, ELECTRIC see subdivision under Apsheron Peninsula; Glinsk Rozbishevka Oil Field

OIL WELL LOGGING, RADIATION

Method for the calculation of fluid inflow to a well based on data obtained by means of a small radiation logging tool. V. N. Russkikh, A. N. Berezaev. Nefteprom. delo no. 2;3-5 '63.

Some possibilities for using the statistical characteristics of a geological section. Sh. A. Guberman, M. I. Ovchinnikova. Izv. AN SSSR. Ser. geofiz. no. 7:1021-1029 Jl '64.

Theory of nuclear-magnetic logging, simulating the orthogonal position of a polarized coil. V. I. Danevich, A. Kh. Ismailov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:97-99 '64.

OIL WELL PUMPS

Approximate method for calculating the curve of a force acting on the head of the balance beam of a pumping unit. A. M. Rabinovich. Neft. khoz. 41 no. 1,52-57 Ja '63

Certain problems in the technology of the manufacture of the fundamental parts of pumps under conditions of experimental production. M. V. Mikhailovar, I. S. Turovskii. Mash. i neft. obor. no. 11 26-34 '63.

Changing stroke length to increase the efficiency of beam-well equipment. Mc Ghee. Nefteprom. delo no. 2;29-30 '63.

Determination of the separation factors of gas anchors. N. V. Zubkov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5; 37-39 '63

Effect of the axial gap on the characteristics of the stages of sinking centrifugal pumps with open rotor wheels. N. E. Grinshtein. Mash. i neft. obor. no. 11;3-6 '63.

Efficient design of the lightened cylinder bush of a drill pump. V. I. Shlykov, IA. S. Mkrtychan, G. M. Pozharnov. Neft. khoz. 41 no. 1;66-68 Ja '63.

Hydraulic piston pump feeding produced fluid along the central string. A. S. Kazak. Mash. i neft. obor. no. 3; 11-14 '63.

Improved design of a pumping unit for breaking emulsions in wells. O. V. Chubanov. Nefteprom. delo no. 1;30-31 '63.

Investigating the operation and wear of the packing of a drill-pump piston. V. M. Litvinov. Neft. khoz. 41 no. 11;25-28 N '63.

Split bottom box of 9GR and 11GR pumps with stop thread in press flange. V. G. Dzems. *Mash. i neft. obor. no. 3;* 37-39 '63.

Variation in the indices of the simultaneous operation of a pump and a turbodrill turbine when using heavy muds. O. A. Ledlashov, I. E. Katryshev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1,17-22 '64.

OIL WELL PUMPS—CATHODIC PROTECTION

Electrochemical protection of the underground equipment of wells from corrosion. F. R. Sharifov, V. F. Negreev, K. A. Karapetov. Azerb. neft. khoz. 42 no. 9,44-45 S '63

OIL WELL PUMPS—COSTS

Economic efficiency in the operation of electric sinking pumps. A. A. Cherfas, F. M. Fakhretdinova. Nefteprom. delo no. 1;22-26 '63.

OIL WELL PUMPS—MAINTENANCE AND REPAIR

Renovation of deep-well pumps. *A. P. Gasanov. Azerb.* neft. khoz. 42 no. 9,32-34 S '63

OIL WELL SHOOTING see subdivision under Krasnokamsk (Perm Province)

OIL WELLS
(see also subdivision under Terek Valley)

ChTP-2 system for the introduction of remote control in oil wells. A. A. Abdullaev and others. Mash. i neft. obor. no. 11;10-17 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Handbook on estimated consolidated norms in the construction of oil and gas wells; effective as of January 1, 1961] Spravochnik ukrupnennykh smetnykh norm (SUSN) na stroitel'stvo neftianykh i gazovykh skvazhin; v normakh, deistvuiushchikh na 1/I 1961 g. Moskva, Stroiizdat, 1964. 361 p.

OIL WELLS—ACIDIZATION

Inhibitors for the hydrochloric acidization of oil wells with high bottom hole temperatures. S. A. Balezin and others. Neft. khoz. 42 no. 3;35-38 Mr '64.

Use of carbon dioxide to increase the productivity of wells. *Nefteprom.* delo no. 1;38-39 '63.

[illegible]

Possible ways of saving metals used for the [illegible] of oil and gas wells. G. S. Iuzbashev, A. A. [illegible] Neft. khoz. 42 no. 3;10-15 Mr '64.

OIL WELLS—FLUID DYNAMICS

Solution of nonsteady petroleum and gas flow [illegible] in networks of ohmic resistance only. [illegible] A. M. Kirilichev. Izv. vys. ucheb. zav., neft' i gaz [illegible] no. 5,87-90 '63

OIL WELLS—HYDRAULIC FRACTURING
(see also subdivision under Neftyanyye Kamni [illegible] Field; Turkmenistan)

Directional hydraulic fracturing with a hydraulic [illegible] jet of varying pressure. S. M. Gadiev, I. [illegible] Dokl. AN Azerb SSR 20 no. 4:19-23 '64

Erosion method in directional hydraulic fracturing. S. M. Gadiev, P. M. Simkin. Azerb. neft. khoz. 43 no. 1;27-30 Ja '64.

Experimental confirmation of stress relief in a [illegible] rock. G. T. Ovnatanov. Nefteprom. delo no. 1 [illegible]

OIL WELLS—MEASUREMENT

Stabilized current generator for deep-well measurements. G. I. Orlov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 6,91-95 '63

OIL WELLS—PRICES

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list of regional prices for the construction of oil and gas wells; in the norms and prices effective January 1, 1961 and the norms of amortization deductions introduced from January 1, 1963] Preiskurant poraionnykh rastsenok na stroitel'stvo neftianykh i gazovykh skvazhin, v normakh i tsenakh, deistvuiushchikh na 1 ianvaria 1961 g., i normakh amortizatsionnykh otchislenii, vvedennykh s 1 ianvaria 1963 g. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR 12 avgusta 1963 g. Moskva, Stroiizdat, 1964. 529 p.

OIL WELLS—TESTING
(see also subdivision under Azerbaijan)

Using a tester designed by the Grozny Petroleum Scientific Research Institute. K. I. [illegible] Repin. Neft. khoz. 41 no. 7;30-35 Jl '63.

OILS AND FATS

Physical characteristics of fats and their mixtures used for the manufacture of chocolate products. G. A. [illegible]mova, T. P. Ermakova. Khleb. i kond. prom. [illegible] 8-12 Jl '62.

Specific catalytic activity of nickel catalysts in the hydrogenation of fats. S. IU. Elovich, T. P. [illegible] Zhur. fiz. khim. 36 no. 6;1266-1269 Je '62.

OILS AND FATS—STERILIZATION

Study of the regimen of sterilizing oils, vaseline and lanolin with steam under pressure. Z. I. [illegible] and others. Apt. delo 12 no. 2;30-36 Mr-Ap '63

OILS AND FATS, EDIBLE

Changes in the activity of lipolytic enzymes in feeding animal and vegetable fats to rats. F. L. Leites. [illegible] pit. 22 no. 6;37-43 N-D '63.

OILSEED PLANTS

Biosynthesis of amino acids from the glyoxylic acid in oilseed plants. E. A. Morgunova, Z. G. Evstigneeva, V. L. Kretovich. Dokl. AN SSSR 156 no. 2;[illegible] My '64.

OINTMENTS

Incompatible prescriptions of ointments with [illegible] E. J. Peterson. Apt. delo 11 no. 6;64-65 N-D '62

Quantitative determination of the ingredients of ointments having polyethylene oxide base [with summary in English]. V. K. Kovalenko, G. IA. Khaut. Apt. delo 11 no. 6;32-36 N-D '62.

Using native bentonites in the preparations of hydrogel ointment bases. D. P. Salo. Farmatsev. zhur. 18 no. 4;55-61 '63.

OKA VALLEY—GUIDEBOOKS

[Along the Oka; a guidebook] Po Oke; putevoditel'. Moskva, Izd-vo "Transport," 1964. 130 p. illus.

OKHOTSK, SEA OF—MICROSEISMS

Characteristics of the formation and propagation of microseisms in the Barents Sea and the Sea of Okhotsk. N. A. Dolbilkina, O. A. Korchagina. Izv. AN SSSR. Ser. geofiz. no. 6:847-857 '64.

OKHTA (LENINGRAD REGION)

Metlitskii, B. G. [Okhta] Ob Okhte. [Leningrad] Lenizdat, 1964. 120 p. (Tam, gde byli okrainy, no. 4)

OKORKOV, PAVEL IVANOVICH, d. 1944

Fellow soldier. V. Pogrebnoi. Voen. znan. 40 no. 6 [illegible] Je '64.

OLD AGE

All-Union conference of gerontologists. P. D. Marchuk. Vest. AMN SSSR 19 no. 1;85-90 '64.

Synthesis of derivatives of amines. Part 15· Some alkylene diol esters of substituted carbamic acids O. L Mndzhoian, G. M. Pogosian Izv AN Arm SSR Khim nauki 17 no 3-314-318 '64

OLEIC ACID

Interaction of the oxy forms of oleic acid with the surface of some minerals. V. I. Solnyshkin, S. A. Parshenkov. Dokl. AN SSSR 156 no. 2 121-126 My '61.

Reduction of oleic acid oxide and oleyl alcohol oxide by lithium aluminum hydride G V Pigulevskii, A E Sokolova Zhur. ob. khim. 31 no. 5 1647-1651 My '64

OLENEK VALLEY—AMMONOIDEA

Arctotirolites, a new name for Pseudotirolites Popov, 1962, non Sun, 1939. IU. N. Popov. Uch zap NIIGA no 1 112 '63.

OLFACTORY NERVE

Development, origin and homology of choanae and choanal canal in Amphibia I. M Medvedeva. Trudy Zool. inst. 33:173-211 '64

OLIGOCHAETA—PARASITES see Parasites—Oligochaeta

OLIVE—VARIETIES see subdivision under Azerbaijan

OLIVE—WATER REQUIREMENTS see subdivision under Azerbaijan

OL'KHOVATKA REGION (VORONEZH PROVINCE)—WATER—ANALYSIS

Studying the elementary chemical content of natural waters in connection with the alimentary osteodystrophy of cattle on the Kirov Collective Farm E A Shafarenko Zap Vor sel'khoz inst 17 no 2 213-215 '62

OLYMPIC GAMES see subdivision under Tokyo

OMERIL

Use of diazoline in experimental acute radiation sickness S A. Davydova, E N Shcherbova. Pat fiziol i eksp. terap. 7 no 6,72 N-D '63

OMSK—AGRICULTURAL LIBRARIES

Library of the Omsk Agricultural Institute. N. N. Sakharova. Biul. TSentr. nauch. sel'khoz bibliot. no. 7: 27-29 '61.

OMSK PROVINCE—CORN (MAIZE)—ECONOMIC ASPECTS

Expenditures of labor and means in corn growing. A. K. Shemetov. Sbor nauch. rab. Sib nauch.-issl inst sel'.-khoz. no. 6 87-94 '61

OMSK PROVINCE—CUTWORMS

Sowing certified seeds reduces the loss caused by the cutworm Hadena basilinea. N. Z Milashchenkov Sbor. nauch rab. Sib. nauch.-issl. inst. sel' khoz. no. 6 64-66 '61.

OMSK PROVINCE—DAIRY CATTLE BREEDING

Economic return rate of feed and some physiological indices of Red Steppe cows and their crossing with Kurgan bulls. K. D. Nikiforov, D. A. Topilin, K. N. Tereverko Sbor. nauch rab Sib. nauch -issl. inst. sel'. khoz. no 6 90-103 '61.

OMSK PROVINCE—FARM PRODUCE—MARKETING

Conditions affecting the level of the marketability of collective farm products. I. V. Makarova. Trudy TSel. sel'khoz. inst. 1:47-58 '63.

OMSK PROVINCE—METEOROLOGY, AGRICULTURAL—TABLES, ETC.

Russia (1923- U. S. S. R.) Glavnoe upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatic manual on Omsk Province] Agroklimaticheskii spravochnik po Omskoi oblasti. Leningrad, Gidrometeorizdat, 1959. 227 p.
(DNAL)

OMSK PROVINCE—PASTURES AND MEADOWS

Improvement of natural hayfields and pastures in Omsk Province. I. I. Zagrebaev. Trudy TSSBS no. 6:410-424 '63.

OMSK PROVINCE—WHEAT—DISEASES AND PESTS

Sowing certified seeds reduces the loss caused by the cutworm Hadena basilinea. N. Z. Milashchenko. Sbor. nauch. rab. Sib. nauch.-issl. inst. sel'. khoz. no. 6:64-66 '61.

ONCOLOGY

Malignant tumors in children. E. D. Cherkasova. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 6:95-98 '62.

Minutes of the Scientific Society of Oncologists of the City of Moscow and Moscow Province for the meeting No. 83 on April 25, 1963. B. V. Milonov and E. A. Rabinovich. Vop. onk. 10 no. 2:122-124 '64.

Review of I. M. Neiman's book "Fundamentals of theoretical oncology." A. Kh. Kogan. Pat. fiziol. i eksp. terap. 7 no. 6:88-89 '63.

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. nos. 13-14 Jl '64.

Activity of the Oncological Society of the Tatar A. S. S R in 1961. IU. A. Ratner, N I. Liubina. Vop. onk 8 no 10:122 '62

Minutes of the 67th Conference of the Scientific Society of Oncologists of Leningrad and Leningrad Province, April 5, 1962. S. A. Kholdin, L L. Maliugina Vop. onk. 8 no. 10·117-119 '62.

Scientific and Practical Conference of Oncologists of White Russia. N N Aleksandrov, T T Poddubnaia, N. A. Tishchenko Vop onk. 8 no. 10:119-121 '62

ONCOLOGY, EXPERIMENTAL

Deep freezing of tumor tissues as a method for their prolonged preservation N. S. Kiseleva Vop onk 8 no. 10:104-116 '62.

ONEGA BAY—HERRING

Changes in the qualitative and quantitative composition of the spawning stock of herring in Onega Bay in 1953-1958. V. M. Erastova. Mat. po kompl. izuch. Bel. mor. no. 2:114-118 '63.

ONIONS

Growing onions in artificial nutrient media. T. G. Filimonova Sbor nauch rab Sib nauch.-issl inst sel'-khoz no 6·121-123 '61.

ONTOGENY

Effect of various nutritional levels on nervous processes in animals in ontogenesis E P. Kokorina. Vop. pit 22 no. 6:66-67 N-D '63

Origin and development of concepts of the relationship between ontogeny and phylogeny prior to Darwin. V. I. Strelkovskii. Trudy Inst. paleobiol. AN Gruz. SSR 8:3-27 '63.

OOGENESIS

Quantitative study of frog oocytes with regard to some morphological and cytochemical problems [with summary in English]. P. V. Makarov. Arkh. anat., gist. i embr. 44 no. 6:21-29 Je '63.

Submicroscopic analysis of the genesis of yolk platelets in the oocytes of Rana temporaria. I. B. Tokin. Vest. LGU 19 no. 9:40-44 '64.

OOLITE see subdivision under Abkhazia

OPARIN, ALEKSANDR IVANOVICH, 1894-

Seventieth birthday of Academician A. I. Oparin. Fiziol rast. 11 no 3,565 '64

OPEN-HEARTH FURNACES

Amount of heat contained in flue gases as pulse for the regulation of temperatures in open-hearth furnaces. V G Sivolapov and others Izv. vys. ucheb. zav, chern met. 7 no 6 179-183 '64.

Hydrogen behavior in the metal of high capacity and extra high capacity open-hearth furnaces. A M Bigeev and others. Izv vys. ucheb. zav, chern met 7 no 6 44-46 '64.

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Use of heat-setting refractory mortars for the laying of steel-smelting furnace walls G T. Til'k Ogneupory 29 no. 5:237-238 '64

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Heat condition parameters and the aerodynamics of an open-hearth furnace fuel spray. I. V. Belov, IU D. Postnikov. Izv. vys. ucheb zav., chern met. 7 no. 6 156-166 '64

OPEN-HEARTH FURNACES—THERMODYNAMICS

Results of testing heat processes in open-hearth furnaces heated by gasified mazut. A. G. Kapichev and others. Izv. vys ucheb. zav; chern met 7 no. 6 173-178 '64.

OPEN-HEARTH PROCESS

Deoxidation of open-hearth steel with ferrosilicoaluminum. A. G. Gabisiani and others. Soob. AN Gruz. SSR 33 no. 1:167-174 Ja '64.

Dust formation during the blowing of an open-hearth furnace bath by oxygen. A. L. Serokhvostov, V. F Bogatenkov, D. IA. Povolotskii. Izv. vys. ucheb zav., chern. met. 7 no. 6:52-56 '64.

Oxidation of the open-hearth furnace bath by the hearth atmosphere and its effect on the indices of smelting. F. D. Voronov, A. I. D'iakonov, V. V Lorman. Izv. vys ucheb. zav., chern. met. 7 no. 6 40-43 '64.

OPERAS—STORIES, PLOTS, ETC.

[100 OPERAS; the story of their creation, the plot, the music] 100 oper; istoriia sozdaniia, siuzhet, muzyka. [By] G. Abramovskii i dr. Leningrad, Muzyka, 1964. 633 p.

OPERATIONS RESEARCH

Kozin, B. S., and I. T. Kozlov. [Selecting the systems for a staged development of railroad lines; methods using electronic digital computers] Vybor skhem etapnogo razvitiia zheleznodorozhnykh linii; s primeneniem ETsVM. Moskva, Transport, 1964. 152 p. (Kibernetika na transporte)

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Bilateral approximations of eigenfunctions of a problem related to a pair of quasi-differential operators with a parameter under boundary value conditions. IE. S Buravs'kyi. Dop AN URSR no 6·726-728 '63.

Determinations of the spectrum of integral operators and infinite matrices. A. R. Esaian, V. IA. Stetsenko. Dokl. AN SSSR 157 no 2 254-257 Jl '64.

Equicontinuous Markov operators. M. Rosenblatt. Teor. veroiat. i ee prim. 9 no. 2:205-222 '64.

Equivalence of two determinations of a finite ring group. V. G. Paliutkin. Ukr. mat. zhur. 16 no. 3:402-406 '64

General methods of "growing factors" and the approximation of unbounded continuous functions by some specific polynomial operators. L C. Hsu, J. H. Wang Dokl. AN SSSR 156 no. 2 265-267 My '64.

Rapidity of convergence of Bubnov - Galerkin's method. A. V. Dzhishkariani. Zhur. vych. mat. i mat. fiz. 4 no. 2:343-348 Mr-Ap '64.

Some properties of a linear integral operator with a Hilbert kernel in a generalized Hölder class. A. I. Guseinov, Kh. Sh. Mukhtarov Dokl. AN Azerb SSR 20 no. 3:3-8 '64.

Some signs of the unicellular nature of dissipative Volterra operators. H. E. Kysylevs'kyi. Dop. AN URSR no. 6:710-713 '63.

Spectra of normal operators Karl-Peter Hadeler Dokl. AN SSSR 157 no. 2:284-287 Jl '64

Stability of certain computation processes S. G. Mikhlin. Dokl AN SSSR 157 no 2 271-273 Jl '64.

Theorem on elementary divisors for a ring of differential operators. P. S. Kazimirskii. Ukr. mat. zhur. 16 no. 3: 309-318 '64.

OPHTHALMOLOGY

Comparative evaluation of the antibacterial properties of preservatives used in eye solutions [with summary in English]. IU. I. Zelikson, T. S. Kondrat'eva Apt. delo 12 no. 2:36-37 Mr-Ap '63.

OPTIC NERVE—DISEASES

Morphological changes in the optic nerve exposed to the action of ionizing radiation L. S Berggriun. Trudy SMI 15·190-199 '62.

OPTIC THALAMUS

Characteristics of cortical regulation of the reticular thalamic nucleus. A. G. Rabin. Dokl. AN SSSR 156 no. 2:478-480 My '64.

Conditioned inhibition in dogs with a unilaterally removed thalamus. L. N Gavrilova Zhur. vys nerv deiat 13 no 6 1039-1046 N-D '63.

OPTICAL INSTRUMENTS

Vessel for nephelometric measurements with high angular resolution in the region 5° - 175°. O. I. Golikova. Trudy GGO no. 152:176-185 '64.

OPTICS

Fol'b, R. L. [Principles of flashing light signals] Osnovy vizual'noi probleskovoi signalizatsii. Moskva, Mashinostroenie, 1964. 98 p.

OPTIMISM

Siniutin, V. I. [Optimism is the trait of the Soviet man] Optimizm - cherta sovetskogo cheloveka. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 56 p.

ORBITS

Optimum coplanar interorbital flight with allowance for the internal mass supply proportional to the time of flight. S. N. Kirpichnikov. Vest. LGU 19 no. 7 116-129 '64.

ORCHIDS see subdivision under Bozh'ya, Mount

ORDNANCE

Recoilless guns. A. Latukhin, M Vinogradov. Tekh. i vooruzh. no. 6:39-41 Je '64.

ORDNANCE, NAVAL

Verin, P. N., and K. V. Morozov. [Rocket weapons of antiaircraft defense on the sea] Raketnoe oruzhie protivovozdushnoi oborony na more. Moskva, Voenizdat, 1964. 145 p.

ORDYNSKOYE DISTRICT—WEEDS

Weeds among the crops on the collective farms of Ordynskoye District. P. G. Fil'chukova. Trudy TSSBS no. 6:338-342 '63.

[illegible] ize; tourist
[illegible] ista,
[illegible] izd-vo,

ORE DEPOSITS

(see also subdivision under Baymak District; Gay region, Orenburg Province; Georgia; Ural Mountain region)

All-Union Conference on the Study of Metasomatic Changes of Wall Rocks and Their Role in Ore Formation. IU. V. Kononov. Geol. zhur. 23 no. 4:118-120 '63.

Correlative dependence of ore complexes associated with granitoids on the composition of the formations enclosing them. IU. G. Shcherbakov. Dokl. AN SSSR 156 no. 2:359-362 My '64.

[illegible]

[illegible] ng to graphic repre- [illegible]

[illegible]

[illegible] polarization in prospecting [illegible] vyzvannoi poliarizatsii [illegible] rozhdenii Moskva, [illegible] 1964 144 p.

[illegible] institut metodiki i [illegible] [illegible] of geochemical prospecting [illegible] methodological handbook] [illegible] poiskov rudnykh [illegible] posobie Leningrad [illegible] (Dispersed state of elements and its applied importance [illegible] of the primary dispersion of [illegible] deposits) Rasseiannoe sostoianie elementov [illegible] oreoly pervichnogo rasseianiia rudnykh mestorozhdenii 1963 82 p.

[illegible] DEPOSITS—MODELS

[illegible] extent of open pit mining with [illegible] machines and a matrix [illegible] S P Korobov Izv vys. [illegible] 7 no 4:43-45 '64.

ORE DRESSING

[illegible] N. A. [illegible] Obog. i briket. ugl. [illegible] 1. [illegible]

[illegible] classes of tin ores in heavy media. [illegible] Izv. vys. ucheb. zav.; gor. zhur. 7 no.4: [illegible]

[illegible] on results [illegible] B I Nikola- [illegible] no 21 278-266 '63

[illegible] ores. A.I [illegible] no.4: -51-258

[illegible] processes [illegible] I Karmazin [illegible] '64

[illegible] of the qualitative indices of the [illegible] deposits containing lean [illegible] K P [illegible] -Derbinskii. Izv. vys. ucheb. zav.; gor. zhur. 7 no 4: -72 '64.

[illegible] with cast ironfilings [illegible] S Bogna [illegible] Izv [illegible] 7 [illegible] '64

[illegible] important parameter for [illegible] concentration in [illegible] M IA Bass [illegible] no 21 247-251 '63

Vishnevskii, A. M. [New methods of preparing ores for smelting] Novye sposoby podgotovki rud k plavke [Donetsk] Donetskoe knizhnoe izd-vo, 1962 34 p. (V pomoshch' slushateliam universiteta tekhnicheskogo progressa metallurgov)

[MICROFILM]

ORE DRESSING—TESTING

Comparing results of testing certain flow sheets for the dressing of molybdenum ores. V. M Galich. Izv. vys. ucheb. zav.; gor. zhur. 7 no 4 173-178 '64.

OREL—GAS, NATURAL—PIPE LINES

Continuous method of laying gas networks G. Skoblov. Zhil.-kom. khoz 13 no 9 29-30 S '63

OREL GOVERNMENT—REVOLUTION, 1917-1921

[The Orel Government in the period of foreign military intervention and the Civil war, 1918-1920, *a collection of documents and materials*] Orlovskaia guberniia v period inostrannoi voennoi interventsii i grazhdanskoi voiny (1918-1920 gg.), sbornik dokumentov i materialov. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 293 p.

OREL PROVINCE—LAMELLIBRANCHIATA, FOSSIL

Systematic position of the genus Arophidonta. Kh. Kh. Mirkamalov. Paleont. zhur. no.2:149-152 '64.

ORENBURG—ARTISTS

Varlamov, S. A. [Orenburg artists, P. Shmel'kov, L. Popov, F. Maliavin, *S. Karpov, N. Prokhorov, S. Aleksandrov, D. Fomichev*] Orenburgskie khudozhniki; P. Shmel'kov, L. Popov, *F. Maliavin, S. Karpov, N. Prokhorov*, S. Aleksandrov, D. Fomichev] Orenburgskie khudozhniki, P. Shmel'kov, L. Popov, *F. Maliavin*, S. Karpov, N. Prokhorov, S. Aleksandrov, D. Fomichev. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 85 p. illus.

ORENBURG—MACHINERY INDUSTRY

Kharin, A. P. [Potentials of the machinery industry] Rezervy mashinostroitel'nogo proizvodstva. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1963. 99 p.

ORENBURG PROVINCE—GEOLOGY

Burybtal nickel-bearing *region*. *G. I. Vodorezov*, I. I. Edel'shtein. Mat. po geol i pol. iskop IUzh. Urala no.3: 159-177 '62.

ORENBURG PROVINCE—NICKEL ORES

Burybtal nickel-bearing region G. I Vodorezov, I. I. Edel'shtein. Mat. po geol. i pol. iskop. IUzh. Urala no. 3 159-177 '62.

ORENBURG PROVINCE—REVOLUTION, 1917-1921

Lisovskii, N. K. [Defeat of the Dutov movement, 1917-1919] Razgrom dutovshchiny (1917-1919) Moskva, Voenizdat, 1964. 146 p.

ORENBURG PROVINCE—THERAPSIDA

Fund of Triassic Theriodontia in the U.S.S.R. V. P. V'iushkov. Paleont. zhur. no.2:158-160 '64.

ORES—SAMPLING AND ESTIMATION see subdivision under Asia, Central

ORES—TESTING see subdivision under Kursk Magnetic Anomaly

ORGANIC CHEMISTRY see Chemistry, Organic

ORGANIC COMPOUNDS

Effect of insoluble admixtures on the structure of blocks of organic matters. M. S. TSedrik, Krist. zhid. no. 2:18-24 '63

Surface ionization of organic molecules on molybdenum and nickel. O. K. Fomin, M. V Tikhomirov, Zhur. fiz. khim 38 no. 3:813-814 Mr '64.

ORGANIC COMPOUNDS—ABSORPTION SPECTRA

Empirical equations for calculating λ max of the absorption bands of organic compounds with linearly conjugated bonds A. I. Cherkesov. Zhur. fiz. khim 38 no.3: 762-764 Mr '64.

ORGANIC COMPOUNDS—MAGNETIC PROPERTIES

Magnetic susceptibility of some organic substances. F. K. Gorskii, A. V. Akhromova Krist. zhid. no. 2: 3-6 '63.

ORGANIZATION OF AMERICAN STATES

A new U.S. maneuver in Latin *America*. *A. Strelin* Nov. vrem. 21 no. 27 12-14 Je '64.

ORGANOMETALLIC COMPOUNDS

Asymmetric aromatic organozinc and organocadmium compounds of the type ArMeAr' I. E. Paleeva, N. I. Sheverdina, K. A Kocheshkov Dokl AN SSSR 157 no 3:626-628 Jl '64.

Phosphinic and phosphinous acid derivatives. Part 20: Synthesis of esters of allylphosphinous acid and the reactions of addition to them of elements of *group VI*. A. I. Razumov and others. Zhur. ob. khim. 34 no 6: 1851-1855 Je '64.

ORICHI DISTRICT—EDUCATION

When the schools get help. A Chukanov Nar obr. no. 6: 16-18 Je '64

ORIENTATION

Role of disorders in corticofugal influences in pathology of the orientating reflex in schizophrenia patients *E A Kostandov* Zhur vys nerv deiat 13 no 6 995-1009 N-D '63

ORNITHOSIS

Ornithosis as a problem *A. I. Danilov* *Vest. AMN SSSR* 18 no 11 60-62 '63

OROCHES

The designation "orochon," its origin and geographic distribution *G. M Vasilevich*, Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3:71-73 '63.

OROTIC ACID

Preparation of esters of orotylamino acids and *salts of* orotic acid with amino compounds. T S. Safonova, L A Myshkina Zhur ob khim 34 no. 5:1682 My '64.

ORPIMENT—ABSORPTION SPECTRA

Study of the long-wave boundary of the self-absorption band in *orpiment* [*with summary* in English]. M. T. Kostyshyn, P. F. Romanenko, Ukr. fiz. zhur. 9 no. 2: 166-171 F '64.

ORSK—PETROLEUM REFINERIES

[Orsk Petroleum Refinery] Orskii neftepererabatyvaiushchii. [Orenburg] *Orenburgskoe* knizhnoe izd-vo, 1963. 39 p. (Istoriia fabrik i zavodov)

[MICROFILM]

ORTHODOX EASTERN *CHURCH*—DOCTRINAL AND CONTROVERSIAL WORKS

Kurochkin, P. K. [*Criticism of* contemporary Russian Orthodoxy; consultation] Kritika sovremennogo russkogo pravoslaviia; konsul'tatsiia. Moskva, Izd-vo "Znanie," 1963. 46 p. (*V pomoshch'* lektoru)

ORTHOPEDIA

(see also subdivision under Transcarpathia; Vladimir Province)

Contemporary prosthetics and construction *of prosthesis* B. P. Popov. Ortop., travm. i protez. 24 no. 12:3-8 D '63.

Precise *measurement of* the cervicodiaphysial angle, the angle of deviation and the "dihedral angle of deviation" *of* the femoral neck. D. E. Koval', IA. B. Kutsenok Ortop., travm. i protez. 24 no. 12:60-74 D '63

ORTHOPEDIC APPARATUS

Orthopedic apparatotherapy in the sequelae of poli[illegible] litis. L. G. Kapichnikova. Ortop., travm. i protez. 24 no. 12:9-13 D '63.

ORTHOPEDIC APPARATUS INDUSTRY

(see also subdivision under Toropets, Kalinin Prov[illegible])

Chemistry in our service. Sots. obesp. [illegible] My '64

ORTHOPEDIC SHOES see subdivision under [illegible]

ORTHOPEDIC TRACTION

Screens and beds from vinyl plastics in the treat[illegible] scoliosis in children Z. A. Liandres Ortop., travm. i protez. 24 no. 12:55-58 D '63.

OSCILLATIONS

Effect of harmonic and random forces on a self-[illegible] tory system. V. H. Kolomiiets'. Dop. AN URSR [illegible] 701-704 '63.

Kononenko, V. O. [Oscillatory systems with [illegible] citation] Kolebatel'nye sistemy s ogranichennym [illegible] buzhdeniem. Moskva, Izd-vo "Nauka," 1964. [illegible]

Pliss, V. A. [Nonlocal problems in the theory of [illegible] lations] Nelokal'nye problemy teorii kolebanii Moskva, Izd-vo "Nauka," 1964. 367 p.

Studying the supercritical oscillatory mode [illegible] by the method of second sound damping. [illegible] Trudy Inst. fiz. AN Gruz. SSR 9:171-[illegible]

OSCILLATORS, CRYSTAL

Quartz bars of X_{00}, y-cut for underground [illegible] A. G. Smagin, F. L. Vizen, Izm. tekh. no. [illegible] '64.

OSCILLATORS, ELECTRIC

Coincidence of the pulses of steady dependent [illegible] N. M. Sedlakin. Radiotekh. i elektron. [illegible] My '64

[Design of low-frequency generators] Konstruirovanie nizkochastotnykh generatorov, [By] D. D. Vostkov [illegible] dr. Moskva, Izd-vo "Energiia," 1964. 229 p.

Effect of the reflected load on the start conditions of a helitron. A. A. Kuraev, B. N. Romanov Radiotekh. i elektron. 9 no. 6:994-1000 Je '64

Experimental study of a subharmonic microwave [illegible] tor. V. F Marchenko, I. T Trofimenko. Radiotekh. i elektron. 9 no. 5 922-920 My '64

Resonator-type parametric amplifier and generator V. N. Lugovoi. Radiotekh. i elektron. 9 no. 4 [illegible] Ap '64.

Start conditions in E-type generators. A. A. Kuraev, B. N. Romanov, V. N Shevchik. Radiotekh. i elektr. 9 no. 6:983-993 Je '64

Study of phase switching processes in a parametric generator. IU. V. Ponomarev, V. A. Rylov. Radiotekh. i elektron. 9 no. 6:975-982 Je '64.

OSCILLATORS, ELECTRON-TUBE

Calculation of pulse front duration at the output [illegible] second band relaxation oscillators. L. A. M[illegible] Radiotekh. i elektron. 9 no. 5:784-790 My '64.

Study of the grid circuit of a multistage frequency converter. M. M. Akodis, M. V Gol'man. Izv. vys. ucheb. zav.; electromekh. 7 no. 4:428-435 '64.

Ultrasonic generator. V. Lutsuk. Radio no. 3:27-28 Mr '64.

OSCILLATORS, TRANSISTOR

Analyzing the work of a junction transistor self-oscillator under conditions of undervoltage. A. S. Maidanovskii Izv. Sib. otd. AN SSSR no. 3:36-44 '62.

Glebov, B. A. [Transistor blocking oscillators in slave *operation with saturable transformers*] Poluprovodnikovyi zhdushchii *blokinggenerator* s nasyshchaiushchimsia transformatorom. Pod red. A. A. Lukina. Moskva, Mosk. energeticheskii in-t, 1963. 82 p.

[*MICROFILM*]

[Transistor devices and their application; a collection of *articles*] *Poluprovodnikovye* pribory i ikh primenenie, sbornik statei. Pod red. IA. A. Fedotova. Moskva, Izd-vo "*Sovetskoe radio*,"

No. 11, 1964. 200 p.

OSCILLOGRAPH—EQUIPMENT AND SUPPLIES

Multichannel electronic switch. E. Dodonov. Radio no. [illegible] 50-51 Mr '64.

Two-channel electronic switch. L. Lomakin. Radio no. [illegible] 52-53 Mr '64.

OSEPIAN, GAIK ALEKSANDROVICH, 1891-1937

Army Commissar 2nd Rank G. A. Osepian. E. Borisov *Voen.-ist. zhur.* 5 no. 7:120-122 Jl '63.

OSIPENKOV, VASILII FILIPPOVICH

High combat readiness. I. Kortunov. Voen. vest 42 no. 12:14-15 D '62.

Tactical maturity of an officer. F. Gavrikov, IA. Davydov Voen. vest. 42 no. 12:20-29 D '62.

OSMIUM CATALYSTS

Use of OsO_4 as a catalyst in arsenitometry. Report No. 5: *Determination* of sodium chlorite and some iodine compounds. P. Norkus, S. Garankute. Trudy AN Lit. SSR. Ser. B no. 1:151-158 '64.

OSMIUM CATALYSTS (Continued)

Use of OsO4 as a catalyst in arsenitometry. Report No.6: Determination of hydrogen peroxide and sodium chlorite. P.Norkus, J.Vaisiuniene. Trudy AN Lit.SSR.Ser.B no.1:159-162 '64.

OSMOSIS

Crystal growing by the osmosis method. V.M.Varikash. Krist.zhid. no.2,25-27 '63.

Yearly changes in the osmotic pressure of cell sap and protoplasma viscosity in some evergreens growing in the Batum Botanical Garden. N.M.Sharashidze. Izv Bat.bot.sada no.12;75-85 '63.

OSSETIA, NORTH—MUNICIPAL SERVICES

The Ministry reports to the people V.Antipov. Zhil.-kom.khoz 13 no.9 7-8 S '63

OSSETIA, SOUTH—GEOLOGY, STRATIGRAPHIC

Miocene sediments of South Ossetia. E.K.Vakhania. Izv.Geol.ob-va Gruz. 2 no.2:15-25 '61.

OSSIFICATION

Neurodystrophic calcifications and ossifications. A.A. Smirnova, P.D.Khazov Vest.rent.i rad 38 no.3: 71-72 My-Je '63.

OSTEOCHONDROSIS

Case of partial wedge-shaped osteochondropathy of the humerus. G.E.Sokolovich. Ortop., travm.i protez 24 no.12:57 D '63.

Cervical osteochondrosis and subluxation of the intervertebral joints. IA.IU.Popelianskii. Vest.rent.i rad. 38 no.3,21-24 My-Je '63.

Osgood-Schlatter disease. A.G.Gorodnik, V.P.Lantsov. Vest.rent.i rad. 38 no.3,14-17 My-Je '63.

OSTEOMYELITIS

Role of corticosteroid hormones in the pathogenesis and treatment of hematogenous osteomyelitis. V.IA. Braitsev, E.F.Vlasova, S.A.Chervlakova. Khirurgiia 40 no.2:51-56 F '64.

OSTRACODA, FOSSIL

(see also subdivision under Bukhara Province; Uzbekistan)

Systematic position of the genus Lyubimovina. IU.N. Andreev, M.I.Mandel'shtam. Paleont.zhur. no.2: 152-154 '64.

OTORHINOLARYNGOLOGY—CONGRESSES

Vserossiiskii s''ezd otorinolaringologov. 1st. Volgograd, 1962. [Transactions of the First All-Russian Congress of Otorhinolaryngologists] Trudy. Moskva, Medgiz, 1963. 318 p.
(DNLM)

OVARIES

Function of the thyroid gland and of the ovaries in patients with climacteric syndrome. O.S.Markarova. Soob.AN Gruz.SSR 34 no.1 205-212 Ap '64.

Histochemical study of protein substances in the rabbit ovary [with summary in English]. N.M.Lutsenko. Arkh.anat.,gist.i embr. 44 no.6:75-79 Je '63.

Possibility of using fluorescence microscopy for the study of the functional morphology of the ovary [with summary in English]. L.E.Etingen. Arkh.anat.,gist. i embr. 44 no.6:80-86 Je '63.

Some structural and histochemical changes in the hypophysis and ovaries of mice following synestrol injection. L.F.Gachechiladze. Soob.AN Gruz.SSR 34 no.1:181-188 Ap '64.

OVARIES—CANCER

Repeated surgery following the unilateral removal of adnexa uteri as a result of malignant tumors of the ovary. A.I.Oshmianskaia. Vop.onk. 8 no.10:14-18 '62.

OVARIES—SURGERY

Repeated surgery following the unilateral removal of adnexa uteri as a result of malignant tumors of the ovary. A.I.Oshmianskaia. Vop.onk. 8 no.10:14-18 '62.

OVERVOLTAGE

Decrease of hydrogen overvoltage on a mercury cathode caused by the possible dissolution of the platinum anode. A.I.TSinman. Zhur.fiz.khim. 36 no.6:1388-1389 Je '62.

Effect of adsorbed atomic hydrogen on hydrogen overvoltage. M.P.Nassonov. Zhur.fiz.khim. 36 no.6: 1140-1149 Je '62.

Effect of pH and of the electrolyte concentration on hydrogen overvoltage at a gallium dropping electrode. K.Sabo, I.A.Bagotskaia. Dokl.AN SSSR 156 no.2, 420-423 My '64.

Hydrogen overvoltage on bismuth. U.V.Pal'm, V.E. Past. Zhur.fiz.khim. 38 no.3:773-778 Mr '64.

Rate of diffusion of protons in nickel oxides and the oxygen overvoltage on a nickel oxide electrode. P.D. Lukovtsev, G.IA.Slaidin'. Zhur.fiz.khim. 38 no.3: 556-561 Mr '64.

OVUM

Quantitative characteristics of the oocytes of the ovaries of white rats in acute radiation sickness. V.IA.Karmysheva Biul.eksp.biol.i med. 56 no.8:97-101 Ag '63.

Radiosensitivity of female gametes in ante- and postnatal periods in rats E.A Pozhidaev Dokl.AN SSSR 157 no 3 684-687 Jl '64

OWLET MOTHS see subdivision under White Russia

OXADIAZOLE

Oxadiazole derivatives. Part 1: Synthesis and properties of bromalkylaryl-, styrylaryl-, and diaryl derivatives of 1,3,4-oxadiazole. O.P.Shvaika, T.R Mnatsakanova. Zhur.ob.khim. 34 no.6:2061-2065 Je '64

OXIDASES

Study of monamine oxidase activity of mycobacteria B_5. G.N.Pershin, V.V.Nesvad'ba. Biul.eksp.biol.i med. 56 no.8:81-84 Ag '63.

OXIDATION

Effect of diffusion difficulties on the course of the oxidation process of hydrocarbons in the liquid phase. V.V.Veselov, Z.V.Sipeeva. Khim i tekh.topl.i masel 9 no.3:22-26 Mr '64.

Effect of ionized radiation on the kinetics of butane oxidation. Part 2. N.A.Slavinskaia and others Zhur.fiz.khim. 36 no.6:1293-1298 Je '63.

High-temperature oxidation of nitrogen by oxygen. O I.Stezhens'kyi, O.O Zagorovs'kyi Khim.prom [Ukr.] no.1 20-24 Ja-Mr '63

Kinetics of oxidation of a bivalent manganese ion under the effect of a mixed cobalt-copper catalyst. K A. Abashidze. Soob.AN Gruz.SSR 34 no.1:61-66 Ap '64.

Mechanically resistant iron catalyst for the oxidation of sulfur dioxide. I.P.Mukhlenov, D.G.Traber, E.I. Dobkina. Khim.prom. no.4:241-243 Ap '64.

Mechanism of inhibition of cyclohexanol oxidation by α-naphthol. E.T.Denisov, V.V.Kharitonov Zhur.fiz.khim. 38 no.3:639-644 Mr '64.

Mechanism of the phosphite inhibition of hydrocarbon oxidation. P.I.Levin. Zhur.fiz khim. 38 no.3: 672-675 Mr '64.

Oxidation and isomerization of secondary alcohols of the cycloaliphatic series. G.P.Kugatova-Shemiakina, V.I.Vidugirene. Zhur.ob.khim. 34 no.6:1729-1733 Je '64.

Oxidation of charcoal by air in an alkaline medium. K.V. Kisin, A.G.Rembashevskii. Zhur.prikl.khim. 37 no.5:1136-1139 My '64.

Stabilization by anions of the oxidizing component of water radiolysis. V.A.Sharpatyi, K.G.IAnova. Zhur.fiz.khim. 37 no.4:946-949 Ap '63.

S^{35} tracer study of the mechanism of oxidation of mercaptoacetic acid. Part 1. L.Guczy, D.Gal. Zhur.fiz.khim. 36 no.6:1150-1157 Je '62.

OXIDATION, ELECTROLYTIC

Anodic oxidation of arsenite ion on a rotating platinum electrode. V.A.Zakharov, O.A.Songina. Zhur.fiz.khim. 38 no.3:767-770 Mr '64.

Kinetics of the anodic oxidation of niobium in some electrolytes. A.IA.Shatalov, T.P.Bondareva. Zhur.fiz.khim. 37 no.4:868-874 Ap '63.

Mechanism of the electrolytic oxidation of sodium sulfite. G.L.Kitanina, A.I.Shlygin. Zhur.fiz.khim. 36 no.6: 1310-1312 Je '62.

Oxidation potential in the system ceric - cerous - nitric acid - water - tributyl phosphate. I M Batiaev, M S Zakhar'evskii Vest LGU 19 no.10:84-89 '64.

OXIDATION, PHYSIOLOGICAL

Formation and transformation of acids of primary sugar oxidation in plants. S V.Soldatenkov, O.D Bykov. Fiziol.rast 11 no.3:515-521 '64

OXIDATION-REDUCTION REACTION

Classification of antioxidant additives to lubricants based on the nature of their action. R.A.Lipshtein, A.IA.Mikhel'son, E.N.Shtern. Khim.i tekh.topl.i masel 9 no.6:48-52 Je '64.

Kinetic method of determining concentration in reversible redox systems. O.B.Khachaturian. Zhur.fiz.khim. 38 no.3:726-732 Mr '64.

Kinetic regularities of the reduction of slag by gas. S.V.Shavrin, I.N.Zakharov, B.V.Ipatov. Izv.AN SSSR.Met.i gor.delo no.3:22-31 My-Je '64.

Mechanism of the photosensitizing effect of chlorophyll in vitro. V.B.Evstigneev Biofizika 8 no.6:664-676 '63.

Oxidation-reduction potential as an index of the antiradiation effectiveness of various actions. G. V. Sumarukov. Radiobiologiia 3 no.6:805-808 '63.

Periodic oxidizing reactions in the liquid phase. A.M. Zhabotinskii. Dokl.AN SSSR 157 no.2:392-395 Jl '64.

Theory of electrolysis in redox systems under conditions [illegible] polarization. [illegible] 37 no.4: [illegible]

Vapor-flow technique in the investigation of electron spin resonance spectra of free radicals under heterogeneous conditions. A.E.Kalmanson and others. Biofizika 8 no.6,722-727 '63

OXIDES

Dioxides of the acetylenic series. Part 4. F.IA.Perveev, V.IA.Statsevich. Zhur.ob.khim 34 no.6 1733-1737 Je '64.

OXIMES

Derivatives of anthracene. Part 10: 1,2,5,6-anthradiquinone-1,5-dioxime and its compounds with sodium bisulfite. M.V.Gorelik Zhur.ob.khim. 34 no.6: 2003-2010 Je '64

OXYCELLULOSE

Biological properties of preparations obtained on the basis of oxycellulose E D Buglov and others Vestsi AN BSSR.Ser fiz.-tekh nav no 1 55-60 '64

OXYGEN

Effect of the nature of cation on the mobility of oxygen atoms in anion in aqueous solutions. Part 3. O.K. Skarre and others. Zhur.fiz.khim. 37 no.4:879-881 Ap '63.

Ionization of oxygen at a three-phase boundary in alkaline solutions. IU.A.Mazitov, K.I.Rozental', V.I.Veselovskii. Zhur.fiz.khim. 38 no.3,697-701 Mr '64.

Rate of diffusion of protons in nickel oxides and the oxygen overvoltage on a nickel oxide electrode. P.D Lukovtsev, G.IA.Slaidin'. Zhur.fiz.khim. 38 no.3; 556-561 Mr '64.

OXYGEN—INDUSTRIAL APPLICATIONS

Changes in the oxidation of slag during top oxygen blowing of cast iron in converters. E.M.Ogryzkin. Izv AN SSSR.Met i gor delo no.3:42-51 My-Je '64.

Dust formation during the blowing of an open-hearth furnace bath by oxygen. A L Serokhvostov, V F Bogatenkov, D.IA Povolotskii Izv vys.ucheb zav., chern met. 7 no 6 52-55 '64.

OXYGEN—PHYSIOLOGICAL EFFECT

Change in the properties of brain proteins in hyperoxia. A I.Lukash, Z S.Gershenovich Dokl AN SSSR 157 no.3 714-715 Jl '64

Depressive action of dicoumarin on the heart and the role of oxygen in this effect IA I Zaidler. Farm.i toks 26 no 1 64-66 Ja-F '63.

Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriate dietary regimen. N.S.Zaiko, M.I.Kuznetsov, N.A.Chelnokova. Biul.eksp.biol.i med. 56 no.8:11-13 Ag '63.

Nature of "inverse" oxygen effect in ionizing radiation L. Kh. Eidus. Radiobiologiia 3 no.6:920-922 '63.

OXYGEN—TRANSPORTATION

Using mathematical methods and electronic computers in planning oxygen transportation. V.Baulin, A.TSekhanovich Avt.transp. 42 no.6:39-42 Je '64.

OXYGEN IN THE BODY

Free oxygen concentration in the brain and bone marrow of rabbits following the injection of chemical protective agents against ionizing radiation. N. I. Bicheikina. Radiobiologiia 3 no.6:898-902 '63.

OXYGEN ISOTOPES

Isotopic exchange of oxygen in the systems WO_3 - O_2 and $Na_2W_4O_{13}$ - O_2. V.G.Finikov, G.N.Zykova. Zhur.fiz.khim. 38 no.3:542-546 Mr '64.

OZONE

(see also subdivision under Alma-Ata)

Absorption spectrum originated by photolysis of boron chloride with ozone. A.N.Samoilova and others. Zhur.fiz.khim. 37 no.4:909 Ap '63.

Atmospheric ozone and jet streams. G.P.Gushchin, I.A.Shatunov. Trudy GGO no.154:20-29 '64.

Physical chemistry of concentrated ozone. Part 14. V.P.Egorov, V.P.Lebedev, N.I.Kobozev. Zhur.fiz.khim. 37 no.4:922-924 Ap '63.

PACIFIC OCEAN—SEAWATER—DENSITY

Calculation of the surface field of water density in the Pacific Ocean. Z.F.Gurikova. Izv.AN SSSR.Ser. geofiz. no.7:1071-1083 Jl '64.

PACKAGING MACHINERY—SAFETY MEASURES

Skosyrev, V.P. [Safety manual for operators of packaging machinery] Pamiatka po tekhnike bezopasnosti dlia mashinista upakovochnoi mashiny. Moskva, Stroiizdat, 1964. 21 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

PACKED TOWERS

Heat transfer from fluid flow in pipes with heavy packing. A.M.Sycheva, N.N.Egorov. Khim.i tekh.topl.i masel 9 no.6:14-18 Je '64.

PA[illegible]

[illegible]

[illegible]

[illegible] MECHANICAL ENGINEERING)

[illegible] operation and wear of the packing of a [illegible] M.I. [illegible] Neft. khoz. 41 [illegible]

[illegible] paralnye] Uplotnenila [illegible] Izd. ofitsial'noe Moskva, [illegible] 1964 83 p (SSSR. Gosudarstvennye [illegible])

[illegible] V.P. [illegible]tarenko, [illegible] Ja [illegible]

PAINTING, INDUSTRIAL

[illegible]

PAINTINGS, UKRAINIAN

[illegible] from the 14th to the 18th century in the [illegible] of the State Museum of Ukrainian Art in [illegible] no 6, [illegible]

PAKISTAN—COMMERCE—RUSSIA

[illegible] 21 no 27 [illegible]

PAKISTAN—ETHNOLOGY

Gankovskii, IU. V. [The peoples of Pakistan; basic stages in their ethnic history] Narody Pakistana, osnovnye etapy etnicheskoi istorii Moskva, Izd-vo Nauka, 1964 278 p

PALEOBOTANY—MAPS

Method of compiling phytogeographical maps of past epochs I M Pokrovskaia Paleont zhur no.2 143-149 '64

PALEOBOTANY, STRATIGRAPHIC see subdivision under Georgia, Guriya, Pamirs, Siberia, Western; Ukraine

PALEOECOLOGY—CONGRESSES

Symposium on the ecology and paleoecology of marine organisms A A Shevyrev Paleont. zhur. no.2 154-158 '64

PALEOGEOGRAPHY

(see also subdivision under Dnieper-Donets Lowland, Pripet Valley; Syria)

[illegible] fundamentals of general paleogeography [illegible] Izv. vys. ucheb. zav.; [illegible] 114-115 '64.

Moscow Universitet. Kafedra geografii poliarnykh stran i gliatsiologii [Problems of paleogeography and morphogeny in the polar countries and highland; a collection of articles] Problemy paleogeografii i morfogeneza v poliarnykh stranakh i vysokogor'e, sbornik statei. Otv. red. A. I. Popov [Moskva] Izd-vo Mosk. univ., 1964. 183 p

PALEONTOLOGY

Significance of the problem of migration for paleobiology and historical geology. L. Sh. Davitashvili Trudy Inst. paleobiol. AN Gruz SSR 8:85-96 '63.

PALEONTOLOGY—CONGRESSES

Some meetings of Soviet and foreign paleontologists in 1963 P K Chudinov Paleont. zhur. no 1 142-143 '64

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Abkhazia, Azerbaijan, Black Sea region; Caspian Sea region, Kazakhstan, Russia, Southern; Transbaikalia; Turkmenistan

PALLADIUM—HYDROGEN CONTENT

H - D isotopic equilibrium in the system consisting of gaseous hydrogen and its solution in palladium. B. M. Andreev, V. M. TSimskii Zhur. fiz. khim. 38 no.3: 751-752 Mr '64

PALLADIUM-COPPER ALLOYS see Copper-palladium alloys

PALMITIC ACID

Nature of the molecular compound in the system stearic acid - palmitic acid. L. B. Bereshiani. Soob. AN Gruz. SSR 31 no.1:45-52 Jl '63.

PALYNOLOGY

(see also subdivision under Georgia)

Spore and pollen complexes in the Upper Pliocene deposits of Guria. I. I. Shatilova. Trudy Inst. paleobiol. AN Gruz. SSR 8:43-62 '63.

PAMIRS—GEOLOGY, STRUCTURAL

Tectonic regionalization of the Pamirs in the Alpine structure M M Kuznetsov Uch zap Tadzh un 17 Trudy Fak est nauk no 3:90-123 '58.

PAMIRS—PALEOBOTANY, STRATIGRAPHIC

Fossil Pliocene-Ancient Quaternary flora of the southwestern Pamirs. M V Pakhomov. Dokl. AN SSSR 156 no.2:326-330 My '64.

PANCREAS—DISEASES

Duodenal stasis in chronic pancreatitis. L P. Volkova, I I Dobychina Vest khir. 91 no 10 49-56 O '63.

PANCREAS—INFLAMMATION

Pathogenesis and treatment of acute pancreatitis. M.N. Molodenkov. Khirurgiia 40 no.2:72-78 F '64.

Surgical treatment of acute pancreatitis. V. M. Merina-Gluskina Vest khir 91 no 10 39-43 O '63.

Surgical treatment of pancreatitis. Z T. Senchillo-IAverbaum Vest khir. 91 no 10 107-109 O '63

PANCREAS—INNERVATION

Participation of the lymphatic vessels in the lymph flow changes caused by some interoceptive stimulations. A. N Dankova, I A. Potapov. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no 2 22-26 '64.

PANCREAS—SURGERY

Surgical treatment of acute pancreatitis V. M Merina-Gluskina. Vest khir 91 no 10 39-43 O '63

Surgical treatment of pancreatitis Z. T Senchillo-IAverbaum Vest khir 91 no 10. 107-109 O '63

PANCREAS—TUMORS

Surgical treatment of hyperinsulinism. O. V. Nikolaev, A. P. Kalinin, E. G. Veinberg. Khirurgiia 40 no.2: 134-140 F '64.

X-ray examination of the stomach and duodenum in tumors of the pancreas. L. I. Dobychina. Vop. onk. 10 no.2:47-56 '64

PANELS (BUILDING)

(see also subdivision under Moscow)

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Repeated vibration in the production of reinforced concrete panels in formworks, practices of factory No. 12 of the Main Administration of the Building Materials Industry, attached to the Executive Committee of the Moscow City Council of Workers' Deputies] Povtornoe vibrirovanie pri kassetnom proizvodstve zhelezobetonnykh panelei; opyt zavoda no. 12 Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1962. 22 p.

[MICROFILM]

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Rolled panels for walls of waterproofed gypsum slag concrete for sanitary engineering systems, practices of the "Tagilstroi" Trust of the Sverdlovsk Economic Council] Prokatnye paneli peregorodok iz vodostoikogo gipsoshlakobetona dlia sanitarno-tekhnicheskikh uzlov; opyt tresta "Tagilstroi" Sverdlovskogo sovnarkhoza. Moskva, Gosstroiizdat, 1962. 25 p.

[MICROFILM]

Concerning V I Iog and I N. Berezovich's article "Change in the electrical network of a machine for disassembling and assembling precast forms in large-panel construction of dwellings " Prom. energ. 19 no 6:43-45 Je '64

Protective and decorative facing of gas concrete panels. N. Fedynin Zhil. stroi. no. 5 22-23 '64.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Provisional instructions for designing prestressed hollow panels for roofs made of solid sand-lime concrete. Approved by the State Committee for Construction of the U. S. S. R. September 30, 1963] Vremennye ukazaniia po proektirovaniiu predvaritel'no napriazhennykh mnogopustotnykh panelei perekrytii iz plotnogo silikatnogo betona (SN 260-63). Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR 30 sentiabria 1963 g. Moskva, Gostroiizdat SSSR, 1964. 34 p.

Single-layer keramzit concrete outer wall panels. A Kuzanov. Zhil. stroi no. 5:12-13 '64.

Using in rural construction the panels made in rolling mills M. E Averbakh Biul. stroi. tekh 21 no. 1:40 Ja '64

PANEVEZYS (LITHUANIA)—FINANCE

In a progressive collective. K. Indriunas, A. Kasparavicius. Fin. SSSR 38 no. 7:75-76 Jl '64.

PANFILOV, IVAN VASIL'EVICH, 1893-1941

[The people's general; Panfilov's men about Panfilov] Narodnyi general; Panfilovtsy o Panfilove. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 330 p.

PAPER—TESTING

Akademiia nauk SSSR. Laboratoriia konservatsii i restavratsii dokumentov. [Problem of durability of documents and paper] Problema dolgovechnosti dokumentov i bumagi. Moskva, Izd-vo "Nauka," 1964. 124 p.

PAPER CHROMATOGRAPHY

Paper chromatography of anthocyans and flavonoids G B Samorodova-Bianki Fiziol rast. 11 no. 3:544-548 '64

PAPER-CUTTING MACHINES—ELECTRIC DRIVING

Baryshnikov, V. D. [Automatic electric drives of modern highly efficient lengthwise cutting machines for paper and cardboard] Avtomatizirovannye elektroprivody sovremennykh vysokoproizvoditel'nykh prodol'norezatel'nykh stankov dlia bumagi i kartona. Leningrad, 1964. 37 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Promyshlennaia energetika i gazifikatsiia predpriiatii, no. 1)

PAPER INDUSTRY

Nemanikhin, V. N., and L. E. Komarovskii. [Improving the technology of the production of tissue paper] [illegible]shenstvovanie tekhnologii proizvodstva papirosnoi [illegible]gi. Moskva, TSentr. in-t tekhn. informatsii [illegible] issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 34 p. (Bumaga i [illegible])

[MICROFILM]

PAPER PRODUCTS

Technology of the production of paper for [illegible] hygienic use. S. N. Ivanov, I. G. [illegible] Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:135-[illegible]

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Astatic speed control system of a section of multiple motor electric drives of a high-speed paper making machine. G. G Sokolovskii. Izv. vys. ucheb. zav.; energ. 5 no. 8:43-49 Ag '62.

PARABATHYNELLA see subdivision under Khay[illegible] region (Geh Province)

PARAFFINS

(see also subdivision under Tatar A. S. S. R.)

Investigating the individual composition of the [illegible] fatty acids of petroleum paraffins. E. A. [illegible], K. M Vaisberg, Z. I. Abramovich. Khim. i tekh. topl. i [illegible] 9 no. 5:30-38 My '64.

Obtaining higher fatty alcohols from low-melting [illegible] in the carbamide dewaxing of various [illegible] products. M. S. Lisitsyna. Izv. vys. ucheb. zav.; [illegible] gaz 7 no. 1:61 '64.

Role of paraffin hydrocarbons as antisolvents in the reaction of alkyl benzenes with dimethylformamide. A. M. Zelianyi, M. M. Prokopets, A. P. [illegible] Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:47 [illegible]

PARAFFINS—THERMODYNAMICS

Viscosity, Raman spectra, and thermodynamic [illegible] of the homologous series of normal paraffins [illegible] S. Kh. G. Kashaev, B. Le, M. Z. Zinlatov. Dokl. AN SSSR 156 no. 2:408-411 My '64.

PARALYSIS

Orthopedic apparatotherapy in the sequelae of poliomyelitis. L. G. Kapichnikova. Ortop., travm i protez. 24 no. 12:9-13 D '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Akademiia nauk SSSR. Institut khimicheskoi fiziki. [Atlas of electron paramagnetic resonance spectra] Atlas spektrov elektronnogo paramagnitnogo rezonansa. Moskva, Izd-vo "Nauka,"

No. 2. [Theoretically calculated symmetrical spectra with a complex hyperfine structure] Teoreticheskie rasschitannye simmetrichnye spektry so slozhnoi sverkhtonkoi strukturoi. 1964. 107 p.

Electron paramagnetic resonance in silicon and germanium. L. D Bogomolova, V. N Lazukin [illegible]leva Usp. fiz. nauk 83 no. 3:433-503 Jl '64.

Electron paramagnetic resonance study of the structure and behavior of radicals arising under the effect of γ-, β, and ultraviolet rays on acetaldehyde and formaldehyde. V. I. Smirnova and others. Zhur. fiz. khim. [illegible] no. 3:742-745 Mr '64.

Generation of paramagnetic centers and emf during electrochemical reactions in triphenylmethane dye polycrystals. L. A. Blumenfel'd and others. Dokl. AN SSSR 157 no. 2:361-363 Jl '64.

Nature of the spectra of electron paramagnetic resonance of amino acids and proteins subjected to [illegible] and light M. K. Pulatova, O. A. Azizova. Biofizika [illegible] no. 1:33-39 '64.

Paramagnetic relaxation in gadolinium nitrate solutions G. P. Vishnevskaia. Dokl. AN SSSR 157 no. 3:650 [illegible] Jl '64.

Study of free radicals in biological objects generated during the course of enzymatic reactions by the electron paramagnetic resonance method. A. G. Chetverikov and others. Biofizika 9 no. 1:18-24 '64.

Use of the electron paramagnetic resonance method in studying the structure and orientation of the stabilized free radicals in γ-irradiated d, l-valine single crystals [with summary in English]. S. Z. Shul'ha, A. I. Teliatnyk. Ukr. fiz. zhur. 9 no. 2:186-191 F '64.

PARAMAGNETIC RESONANCE AND RELAXATION—SPECTRA

Vapor-flow technique in the investigation of electron spin resonance spectra of free radicals under heterogeneous conditions. A. E. Kalmanson and others. Biofizika 8 no. 6:732-737 '63.

PARAMECIUM

Dependence of glycogen and fat content in the cytoplasm of Paramecium caudatum on temperature. IU. I. Polianskii. Sbor. rab. Inst. tsit. no. 3:102-110 '63.

Effect of the temperature factor on the DNA content in [illegible] caudatum irradiated [illegible] Sbor. rab. Inst. tsit. no. 3, [illegible] '63

Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3:133-144 '63.

PARAMECIUM (Continued)

Effect of ultraviolet radiation on the content of nucleic acids in Paramecium caudatum. K. A. Samoilova, L. P. Ovchinnikova. Sbor. rab. Inst. tsit. no. 3:145-153 '63.

Fluorescence microscopic study of living Paramecium caudatum under normal conditions and during starvation. M. V. Nikolaeva, E. M. Pil'shchik. Sbor. rab. Inst. tsit. no. 3:54-61 '63.

Photocytometric study by the ultraviolet ray method of the effect of starvation on RNA and DNA content in paramecium caudatum. L. P. Ovchinnikova, G. V. Selivanova, E. M. Kheisin. Sbor. rab. Inst. tsit. no. 3:44-53 '63.

Resistance of Paramecium caudatum previously adapted to different temperatures to the injurious action of salts. I. S. Irlina. Sbor. rab. Inst. tsit. no. 3:92-101 '63.

Some data on the fine structure of the cortical components of Paramecium caudatum. E. M. Kheisin. Sbor. rab. Inst. tsit. no. 3:9-14 '63.

PARASITES—ASSES AND MULES see subdivision under Barsa-Kel'mes Island

PARASITES—BATS

New trematode Lecithodendrium skrjabini nov sp found in bats G. V Matsaberidze Soob AN Gruz SSR 31 no. 3,695-698 S '63.

PARASITES—BIRDS see subdivision under Kirghizistan; Ukraine; Vietnam, North

PARASITES—BLACKFLIES see subdivision under Leningrad Province

PARASITES—BUFFALOES see subdivision under Georgia

PARASITES—CATTLE see subdivision under Kazakhstan

PARASITES—CODFISH see subdivision under Barents Sea

PARASITES—DEER see subdivision under Kazakhstan; Soviet Far East

PARASITES—DOGS

Effect of the composition of feeds of the host on the fecundity of ascarids parasitic in dogs M V, Nasonova Zap. Vor. sel'khoz. inst. 17 no. 2·97-100 '62

PARASITES—DOMESTIC ANIMALS

Ershov, V. S., ed. [Parasitology and invasive diseases of agricultural animals] Parazitologiia i invazionnye bolezni sel'skokhoziaistvennykh zhivotnykh. [By] D. N. Antipin i dr. Moskva, Izd-vo "Kolos," 1964. 494 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

PARASITES—DUCKS see subdivision under Kazakhstan; Virgin Territory

PARASITES—FROGS see subdivision under Georgia

PARASITES—GALLINAE see subdivision under Kirghizistan

PARASITES—GEESE see subdivision under Virgin Territory

PARASITES—GERBILS see subdivision under Turkmenistan

PARASITES—GOATS see subdivision under Kazakhstan

PARASITES—HORSES see subdivision under Kazakhstan

PARASITES—LAMBS see subdivision under Kyzylkum

PARASITES—MARAL
(see also subdivision under Kazakhstan)

Intravital methods of the diagnosis of the Setaria infestation of marals V. A. Shol'. Paraz. sel'khoz. zhiv. Kazakh. 3,101-103 '64.

PARASITES—MARMOTS see subdivision under Kazakhstan

PARASITES—MAYFLIES

Cytochemical study of different developmental stages of the gregarine Enterocystis ensis from Cloeon larvae (Ephemeroptera). N. N. Bobyleva. Sbor. rab. Inst. tsit. no. 3:35-43 '63.

PARASITES—MOLES (ANIMALS) see subdivision under White Russia

PARASITES—MOLLUSKS

A short report on mollusks as intermediate hosts of helminths of water birds. N. T. Chibichenko. Izv. AN Kir. SSR. Ser. biol. nauk 6 no. 2:83-85 '64.

Susceptibility of mollusks to the infection by the larvae of Elaphostrongylus panticola Lubimov, 1945. V. IA. Panin, O. I. Rusikova, Paraz. sel'khoz. zhiv. Kazakh. 3·84-89 '64.

PARASITES—OLIGOCHAETA

Study of temper[illegible] acteristics of [illegible] chetes of Easte[illegible] Inst. tsit. no.[illegible]

PARASITES—POULTRY
(see also subdivision under Armenia; Kirghizistan)

Effect of some abiotic environmental factors on the developmental rate and the survival of eggs of Heterakis gallinarum under natural conditions. M. E. Savchenko. Zool. zhur. 42 no. 12:1869-1870 '63.

PARASITES—RABBITS

Changes in succinic dehydrogenase activity at various developmental stages of intestinal coccidia of rabbits due to the effect of furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3:70-74 '63.

Susceptibility of different developmental stages of intestinal coccidia of rabbits to furacillin. T. V. Beier. Sbor. rab. Inst. tsit. no. 3:62-69 '63.

PARASITES—RODENTS see subdivision under Polesye

PARASITES—RUMINANTIA see subdivision under Azerbaijan; Kazakhstan

PARASITES—SCALE INSECTS see subdivision under Tajikistan

PARASITES—SHEEP
(see also subdivision under Gur'yev Province; Kazakhstan)

Effect of cobalt-copper feed supplements on some physiological functions of the organism and on the intestinal cestodiasis of sheep. B. M. Shonov, E. S. Tasbulatov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:83-89 F '64.

Effect of starvation diet of various duration on the effectiveness of tin arsenate in sheep invaded with Thysaniezia. G. I. Goderdzishvili. Soob. AN Gruz SSR 31 no. 2:425-431 Ag '63.

Testing methods of group vermifugal treatment of sheep infected with intestinal helminthiases using sodium fluosilicate A I Chubis Vest. sel'khoz. nauki [Kazakh] 7 no 6·70-76 Je '64

PARASITES—SWINE
(see also subdivision under East Kazakhstan Province; Kazakhstan)

Use of a hand fire machine with the atomizer of the M-600 motor pump for controlling scabies in swine M T Koniaev, M. V Nasonova Zap Vor sel'khoz. inst. 17 no.2 273-275 '62

PARASITES—WASPS

Encyrtidae (Hymenoptera), parasites of Dryinidae (Hymenoptera) in the U.S.S.R. V. A. Triapitsyn. Zool. zhur 43 no. 1:142-145 '64.

PARASITES—WATER BIRDS

A short report on mollusks as intermediate hosts of helminths of water birds. N. T. Chibichenko, Izv. AN Kir. SSR. Ser. biol. nauk 6 no. 2:83-85 '64.

PARASITIC PLANTS see subdivision under Ukraine

PARASITOLOGY

General problems of parasitology and zoology. I. G. Galuzo. Vest. AN Kazakh. SSR 19 no. 5:96-97 My '63.

PARASYMPATHOLYTIC AGENTS

Effect of some cholinolytic substances following their direct introduction into the brain on conditioned reflex activity in cats. A. T. Selivanova, N N. Lazuko Farm i toks. 26 no. 1:3-7 Ja-F '63.

Pharmacology of "etpenal". V. M. Samvelian. Izv. AN Arm. SSR. Biol. nauki 16 no. 2:41-44 F '63

Use of metamysin in cerebral palsy with hyperkinetic syndrome in children. V. N. Shashurina. Zhur. nevr. i psikh. 63 no. 7:991-994 '63.

PARASYMPATHOMIMETIC AGENTS

Neurohumoral substances of dog blood in acute radiation sickness. Report No. 1. Changes in the acetylcholine-cholinesterase system of the blood. N. E. Kuznetsova. Radiobiologiia 3 no. 6:820-826 '63.

PARATHYROID GLANDS

Distribution of polonium -210 in the hypophysis, thyroid and parathyroid glands of rats. A. V. Tkachev. Radiobiologiia 3 no. 6:877-879 '63.

PARATYPHOID FEVER—MICROBIOLOGY

Fixation and multiplication of the pathogen in the isolated liver of the immune and non-immune body (pathogenesis of recurrence of paratyphoid fever infection following antibiotic therapy). B. N. Smirnov Vest AMN SSSR 18 no. 8.60-67 '63.

PARAVERTEBRAL ANESTHESIA

Basis of the methodology of the sacrospinal block. V. I. Popov, N. D. Murtazaev. Vest. khir. 91 no 10.84-92 O '63.

PARENT AND CHILD

Editor's mail. Sem'ia i shkola 19 no. 5:28-32 My '64.

PAROLE

In the Presidium of the Supreme Soviet of the U.S.S.R. Sov. gos. i. pravo 34 no. 5:69 My '64.

PAROTID GLANDS

[illegible] atory [illegible] skii, [illegible]

PART-TIME FARMING

[illegible] 25 [illegible]

PARTHENOGENESIS (ANIMALS)

Unisexual propagation of reptiles. I. S Darevskii Priroda 53 no 7 45-53 '64.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

Longitudinal instability of a charged beam circulating in an accelerator or accumulator, allowing for the finite conductance of the chamber walls. A. A Kolomenskii. Atom. energ. 17 no. 1,57-58 Jl '64.

PARTICLE BOARD

Using ground larch wood for the manufacture of plastic materials without adding adhesives. I. A. Vakhrusheva, V. N. Petri. Izv. vys. ucheb. zav., les. zhur. 6 no. 6: 100-105 '63.

PARTICLE SIZE DETERMINATION

Effect of the granulometric composition of a 1Kh18N9T stainless steel powder on its properties. G. F. Tikhonov, A. V. Sivov, L. A. Pyrialov. Trudy GPI 19 no. 1:42-50 '63.

Method and equipment for studying the dispersiveness of an atomized liquid in mine workings. V. N. Shevchenko. Sbor. trud. Inst. gor. dela AN URSR no. 13:124-127 '63.

PARTICLES (NUCLEAR PHYSICS)

Dependence of the extent of the dispersion of particles emitted by a constant source on the time interval of the experiment. E. K. Bliutner. Trudy GGO no. 150: 78-84 '64.

Empirical laws governing the distribution of masses of excited systems A. Kh. Vinitskii. Vest. AN Kazakh. SSR 19 no 5 88-90 My '63.

Fifth All-Union Intercollegiate Conference on the Theory of Elementary Particles. A. S. Bakai, A. S. Litvinenko. Atom. energ. 16 no. 6 539-540 Je '64.

Smorodinskii, IA. A. [Particles and waves] Chastitsy i volny. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, Matematika, Astronomiia, no. 10)

PASSIVATION

Behavior of the electrode potential of anodically passivated chromium and its iron alloys in the process of self-activation in sulfuric acid solution. IA. M Kolotyrkin, V. M. Kniazheva. Zhur. fiz. khim. 36 no. 6:1232-1240 Je '62.

Passivity and intercrystalline corrosion of stainless steel in nitric acid. Part 2. I. K. Burtseva, A. I. Krasil'shchikov. Zhur. fiz. khim. 37 no. 4:810-816 Ap '63.

PASSIVITY (CHEMISTRY)

Smirnov, A. V., and others. [Nitriding passivating steels with the use of carbon tetrachloride] Azotirovanie passiviruiushchikhsia stalei s primeneniem chetyrekhkhloristogo ugleroda. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 3)

PASTEURELLA

Bactericidal and bacteriostatic properties of naphthalan (refined) in relation to Pasteurella. G. A Saryev. Azerb. med. zhur. 40 no. 10:54-57 O '63.

[illegible] LAWS AND LEGISLATION (Continued)

[illegible] [Laws, statutes, etc. [illegible]] V po- [illegible] Minsk, Izd- [illegible], 19[illegible] 204 p.

[illegible]

[illegible]

PATENTS (INTERNATIONAL LAW)

[illegible] M M [Protection of Soviet priority to [illegible] engineering and patent [illegible] abroad; materials [illegible] Zashchita sovetskogo prioriteta [illegible] izobreteniia i patentovanie [illegible] za granitsei; materialy kratko- [illegible] Leningrad, 1963 21 p (Lenin- [illegible] tekhnicheskoi propagandy. Seriia [illegible] patentnaia i litsenzii)

PATHOGENIC MICRO-ORGANISMS see Micro-organisms, Pathogenic

PATHOGENIC PROTOZOA see Protozoa, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGY

[illegible] V I Struchkov, B P [illegible] Khirurgiia 40 no 2 65-72 F '64

Konferentsiia po voprosam regeneratsii i kletochnogo razmnozheniia. 3d, Moscow, 1962. [Materials of the Third Conference on Problems of Regeneration and Cell Reproduction] Materialy. Moskva, Akad. med. nauk SSSR [n.d.] 302 p.
[DNLM MICROFILM]

PATHOLOGY—ABSTRACTS

[illegible] pathology. Oncology] Ref. zhur.: [illegible] 9 12-24 Jl '64

PATHOLOGY, CELLULAR

[illegible] of the cytopathogenic [illegible] rabies and rabieslike [illegible] G. V. [illegible] Dokl AN [illegible]

The glass cells of [illegible] L. L. Gol'tsman Arkh pat [illegible] 10 [illegible] '63

Morphological changes in the basal argyrophilic substance of the liver and in some sections of the nervous system during colienteritis in breast-fed infants V. [illegible] Trudy SMI 15:126-235 '62

PATRIOTISM

[illegible] All-Union Volunteer [illegible] Navy and Air Force [illegible] Je '64

PAVEMENTS

Poliian, E. G. [Investigating the adhesive coefficients of a motor car tire with the pavement] Issledovanie koeffitsientov stsepleniia avtomobil'noi shiny s pokrytiem. Moskva, Avtotransizdat, 1963. 41 p.

PAVILIONS

[illegible] A Tikhomirov, B. Khar- [illegible] 37 no 5 55-57 My '64

PAVLOV, IVAN PETROVICH, 1849-1936

Andreev, B. V. [Ivan Petrovich Pavlov and religion] Ivan Petrovich Pavlov i religiia. Moskva, Izd-vo Nauka, 1964. 96 p. (Nauchno-populiarnaia seriia)

[illegible], A. N. [A great scholar and atheist] O velikom uchenom i ateiste. Moskva, Izd-vo "Znanie," 1964. 32 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 3)

PAVLOV, TODOR, 1890-

Todor Pavlov. Nov vrem. 21 no 26:22 Je '64.

PAVLOVA, MAIA AFANAS'EVNA

Krasnodar. Khudozhestvennyi muzei. [Catalog of the personal exhibition of the works of M. A. Pavlova] Katalog personal'noi vystavki proizvedenii M. A. Pavlovoi. Krasnodar, 1961. 23 p. plates.
(MH)

PAVLOVSK (LENINGRAD REGION)—PARKS

Zelenova, A. I. [The Pavlovsk Park] Pavlovskii park. [Izd. 2., ispr. i dop. Leningrad] Lenizdat, 1964. 151 p. illus.

PAVLOVSK (LENINGRAD REGION)—PALACES

Zelenova, A. I. [The Pavlovsk Park] Pavlovskii park. [Izd. 2., ispr. i dop. Leningrad] Lenizdat, 1964. 151 p. illus.

PAVLOVSK DISTRICT (ALTAI TERRITORY)—ADENOVIRUS INFECTIONS

Lung diseases of adenoviral nature in Pavlovsk District, Altai Territory. A. P. IAstrebov and others Trudy TomNIIVS 14:50-54 '63.

PAVLOVSKII, EVGENII NIKANOROVICH, 1884-

Activity of E. N. Pavlovskii in the field of entomology. G. IA. Bei-Bienko. Zashch. rast. ot vred. i bol. 9 no. 6:2-3 '64.

PAYMENT see subdivision under Kuznetsk Basin

PEACE—CONGRESSES

On the forthcoming World Peace Congress held under the slogan "For general and complete disarmament and peace." E. N Meshalkin. Izv Sib. otd. AN SSSR no. 3:126-129 '62

PEACEFUL CHANGE (INTERNATIONAL RELATIONS)

N. S. Khrushchev's message and the peaceful settlement of territorial disputes between governments. N. A. Ushakov. Sov. gos. i pravo 34 no. 5:3-10 My '64.

PEACH—DISEASES AND PESTS

Effect of some bacterial filtrates, which cause gummose of stone fruits, on the living cells of the peach. T. A. TSikadze. Soob. AN Gruz. SSR 33 no. 1:205-210 Ja '64.

PEAR—VARIETIES see subdivision under Ukraine

PEAS see subdivision under Kabardino-Balkar A.S.S.R.; Smolensk Province

PEAS—DISEASES AND PESTS

Controlling Bruchus in the field. V. A. Sanin. Zashch. rast. ot vred. i bol. 9 no. 6:30-31 '64.

PEAS—DRYING see subdivision under Bashkiria

PEASANTRY

(see also subdivision under Guriya; Imeritiya)

The role of leases in the peasant economy of the 17th century. A. N. Sakharov. Ist. SSSR 8 no. 1:81-93 Ja-F '64.

PEAT

(see also subdivision under Russia, Northern)

Comparative study of the bitumen formers of some plant species and the bitumens of an upland peat layer V M TSybul'kin P. I Bial'kevich Vestsi AN BSSR. Ser fiz.-tekh nauk no 1 101-109 '64

International Congress on Peat. IE. M. Bradis, H. F. Bachurina. Ukr. bot zhur. 21 no. 3:111-113 '64

PEAT—COSTS

Moscow. TSentral'noe biuro promyshlennykh [illegible] nosti. 2., perer. izd. Moskva, Nedra, 1964. 203 p.

PEAT—PRODUCTION STANDARDS

Moscow. TSentral'noe biuro promyshlennykh normativov po trudu. [Unified production standards and prices for enterprises of the peat industry] Edinye normy vyrabotki i rastsenki dlia predpriiatii torfianoi promyshlennosti. 2., perer. izd. Moskva, Nedra, 1964. 203 p.

PEAT MACHINERY see subdivision under Velikiye Luki

PEAT SOILS

Bel'skii, B. B. [Role of chemistry in the efficient utilization of peat-bog soils] Rol' khimii v effektivnom ispol'zovanii torfiano-bolotnykh pochv. Minsk, Izd-vo "Urozhai," 1964. 36 p. (V pomoshch' izuchaiushchim osnovy agrozookhimii)
(DNAL)

Composition of the air of peat soils and its effect on the growth of pine plantations. B. V. Babikov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6:14-19 '63.

Sagal'chik, B. M. [Performance of the bucket of a backshoe on peat soils] Rabota kovsha obratnoi lopaty na torfianom grunte. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 37 p.
[MICROFILM]

PECHORA BASIN—BAROMETRIC HYPSOMETRY

Using barometric leveling in the tundra during the winter. V. A. Preobrazhenskii, B. D. Poletaev. Geofiz. razv. no. 15:156-161 '64.

PECHORA BASIN—COAL MINES AND MINING

Expanding the overall mechanization of stoping operations at the Pechora coal basin. V. N. Kharin, V. M. Strakhov. Ugol' 39 no. 6:38-44 Je '64.

Success of miners beyond the Arctic Circle. V. Kolomiets. Sov. shakht. 12 no. 9:10-11 S '63.

PECHORA BASIN—COAL MINES AND MINING—BY-PRODUCTS

Obtaining high-strength silicate concrete on a base of mine waste rock. S F. Bugrim. Shakht. stroi. 8 no. 4: 15-17 Ap '64.

PECHORA BASIN—COAL MINES AND MINING—COSTS

Effect of mine working loads of the cost of coal mining in the Pechora Basin. B. A. Davydov. Ugol' 39 no. 6:53-55 Je '64.

PECHORA BASIN—ELECTRIC PROSPECTING

Determining relative and reduced apparent resistances and their use in studying the ash content of coal beds. V. V. Grechukhin. Geofiz. razv. no. 15:130-144 '64.

PECHORA BASIN—GRAVITY PROSPECTING

Results and potentials of gravimetry in prospecting in the coal fields of the Pechora Basin. [illegible] IU. A. Bosykh. Geofiz. razv. no. 15:80-86 '64

Using barometric leveling in the tundra during the winter. V. A. Preobrazhenskii, B. D. Poletaev Geofiz. razv. no. 15:156-161 '64.

PECHORA VALLEY—GAS, NATURAL—GEOLOGY

New data on the oil and gas potentials of carbonate sediments in the southern part of the Timan-Pechora area. V. A. Anoshin, B. IA. Vasserman, N. V. Sazonov. Neft. gaz. geol. i geofiz. no 4:30-42 '63.

Prospecting for oil and gas in the Perm sediments of the southeastern section of the Timan-Pechora area. [illegible] Ivanov, V. I. Bogatskii. Neftegaz. geol. i geofiz. no. 4: 42-47 '63.

Types of oil and gas pools in the southern sector of the Timan-Pechora Basin. M. Sh. Modelevskii. Neftegaz. geol. i geofiz. no. 4:34-38 '63.

PECHORA VALLEY—PETROLEUM GEOLOGY

New data on the oil and gas potentials of carbonate sediments in the southern part of the Timan-Pechora area. V. A. Anoshin, B. IA. Vasserman, N. V. Sazonov. Neft. gaz. geol. i geofiz. no 4:30-42 '63.

Prospecting for oil and gas in the Perm sediments of the southeastern section of the Timan-Pechora area. [illegible] Ivanov, V. I. Bogatskii. Neftegaz. geol. i geofiz. no. 4: 42-47 '63.

Types of oil and gas pools in the southern sector of the Timan-Pechora Basin. M. Sh. Modelevskii. Neftegaz. geol. i geofiz. no. 4:34-38 '63

PECHORA VALLEY—SEISMIC PROSPECTING

Geological conditions and geophysical operations in the Timan-Pechora area in preparing structures for oil and gas prospecting drilling. A. IA. Krems, [illegible] vievskaia. Neftegaz. geol. i geofiz. no. 1:53 [illegible]

PECTINIDAE, FOSSIL see subdivision under Georgia

PEDIATRICS

Maček, Miloš, Jiřina Štefanová, and Bela Svoj, eds. [Exercise therapy in children's diseases. Translated from the Czech] Lechebnaia fizkul'tura pri detskikh bolezniakh. Pod red. V. L. Strakovskoi. Moskva, Meditsina, 1964. 335 p.
(DNLM)

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Meditsina,
Vol. 6. [Infectious diseases in children] Infektsionnye bolezni v detskom vozraste. Red. toma M. M. Bubnova. 1964. 680 p.
(DNLM)

Respublikans'ka naukovo-praktychna konferentsiia, prysviachena pytanniam dytiachoi hinekolohii. 1st, 1959 [Problems of hygiene and physical development of girls (pediatric gynecology); transactions] Pytannia hiiieny i fizychnoho rozvytku divchatok (dytiacha hinekolohiia) pratsi. Red. kolehiia: R. V. Medianyk ta inshi. Kyiv, Derzhmedvydav URSR, 1960. 160 p.

Some methodological problems in the reactivity in children. R. A. Kaliuzhnaia. Vest. AMN SSSR 19 no. 1:53-59 '64.

PEGMATITES

Characteristics of the formation and composition of pegmatite-bearing granitoids. V. V. Arkhangel'skaia Geol. mest. red. elem. no. 22:12-60 '64.

Classification of pegmatites and characteristics of pegmatite formation. G. G. Rodionov. Geol. mest. red. elem. no. 22:82-114 '64.

Effect of external pressure on the course of the pegmatite process. A. I. Ginzburg. Geol. mest. red. elem. no 22: 74-82 '64.

Present status of studies of pegmatites and problems for further investigation. A. I. Ginzburg. Geol. mest. red. elem. no. 22:4-11 '64.

Some geochemical characteristics of pegmatite formations in various formations. G. G. Rodionov, I. V. Davidenko Geol. mest. red. elem. no. 22:115-120 '64.

Types of pegmatite belts and their characteristics. G. G. Rodionov. Geol. mest. red. elem. no. 22:60-74 '64.

PELVIS—WOUNDS AND INJURIES

Some mechanism of the injuries of human cranial and pelvic bones. V. N. Kriukov. Sud.-med. ekspert. 7 no. 2:11-14 Ap-Je '64.

PENICILLIN

Effect of penicillin and streptomycin on the process of the formation of compliment-fixing antibodies in brucellosis. A. A. Navasardian. Izv. AN Arm. SSR Biol. nauki 16 no. 9:47-54 S '63.

Effect of preliminary introduction of penicillin on the course of experimental appendicitis. Report No. 2. IU. P. Atanov. Khirurgiia 40 no. 2:76-80 F '64.

Ion exchange on anion exchangers involving penicillin. G. V. Samsonov and others. Zhur. fiz. khim. 37 no. 4: 726-729 Ap '63.

Treatment of acute craniocerebral trauma by intracarotid injections of penicillin. I. S. Kalter. Khirurgiia 40 no. 2:40-49 F '64.

Use of the mycelium of Penicillium in infectious atrophic rhinitis of swine I E Golubev and others Trudy Bel nauch -issl. inst zhiv 3 312-314 '62

PENIS—CANCER

Sapozhkov's operation in cancer of the penis. L M Berman Trudy Inst. klin. i eksp. khir. AN Kazakh SSR 8 114-117 '62.

PENIS—SURGERY

Sapozhkov's operation in cancer of the penis. L. M. Berman Trudy Inst klin i eksp khir AN Kazakh SSR 8 114-117 '62

PENMANSHIP, AZERBAIJANI

A treatise in verse on the rules of "Nasta'lik" handwriting. A.IU.Kaziev. Dokl.AN Azerb.SSR 19 no.6;99-105 '63.

PENSIONS

. And told about their troubles. A. Nazarov. Sots. obesp 25 no 5 10-13 My '64.

But they still continue to write K. Frolov. Sots. obesp 25 no 5.10 My '64

For you, man! Sots obesp. 25 no 5:8-9 My '64

Questions and answers Sots. obesp. 25 no. 5:58-59 My '64

Under what conditions and according to what documents are the army service and the training period included into the length of service record S. Smirnov Sots obesp. 25 no. 5 56-57 My '64

PENSIONS—ACCOUNTING

Organization and control of the machine accounting of pension payments G Polonskii. Sots obesp 25 no 5 22-25 My '64

PENTENE

Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 12 Reaction with 2-pentene K A. Ogloblin, M. A. Samartsev. Zhur. ob khim 34 no 5; 1526-1530 My '64.

Interaction of nitrosyl chloride with unsaturated hydrocarbons Part 13. Reaction with 2, 2-dimethyl-3-pentene. K. A. Ogloblin, M A Sarmartsev. Zhur ob khim 34 no 5 1530-1535 My '64.

PENZA—CLOCKMAKING AND WATCHMAKING

At the Penza clock factory. P. Gorbunov Voen. znan. 40 no 6 16-17 Je '64

PENZA IN LITERATURE

V'iunov, G. A. [Tale of our city] Skaz o rodnom gorode. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 45 p. (Penze 300 let)
(MH)

PEPPER

Megasporogenesis and the formation of the embryo sac in pepper. E. M. Mutafian. Izv. AN Arm. SSR, Biol. nauki 17 no. 1:95-99 Ja '64.

PEPSIN

X-ray diffraction study of pepsin. V. V. Borisov and others. Dokl. AN SSSR 156 no. 2:363-364 My '64.

PEPTIC ULCER

Effect of gymnastic exercises on the motor function of the stomach in peptic ulcer patients. G. N. Propastin. Vest. khir. 91 no. 10.74-77 O '63.

PEPTIDES

Depsipeptides. Part 16: Paths in the synthesis of optically active linear depsipeptides. M. M. Shemiakin and others. Zhur. ob. khim. 34 no. 6:1782-1797 Je '64.

Depsipeptides. Part 17: Cyclization of linear tetra- and octadepsipeptides. M. M. Shemiakin and others. Zhur. ob. khim. 34 no. 6:1798-1803 Je '64.

Phosphine derivatives of amino acids and peptides. K. T. Poroshin, V. K. Burichenko. Dokl. AN SSSR 156 no. 2: 386-388 My '64.

PEPTIDES, EFFECT OF RADIATION ON

Radiolytic properties of amino acids and peptides. V. A. Sharpatyi and others. Dokl. AN SSSR 157 no. 3:660-663 Jl '64

PERCEPTRONS

A class of algorithms for teaching pattern recognition. V. N. Vapnik, A. IA. Chervonenkis. Avtom. i telem. 25 no. 6:937-945 Je '64.

Cognitive system "Alpha" as a predictive filter and optimalizing controller without hunting. O. H. Ivakhenko, L. I. Voronova. Avtomatyka 9 no. 3:23-40 '64.

Konferentsiia po obrabotke informatsii, mashinomu perevodu i avtomaticheskomu chteniiu teksta. Moskva, 1961. [Computer and information techniques] Vychislitel'naia i informatsionnaia tekhnika; sbornik materialov. Moskva, Vses. in-t nauchnoi i tekhn. informatsii Akad. nauk SSSR, 1962. 220 p.
[MICROFILM]

Theoretical principles of the potential functions method in a problem involving the teaching of automatons to separate entering situations into classes. M. A. Aizerman, E. M. Braverman, L. I. Rozonoer. Avtom. i telem. 25 no. 6:917-936 Je '64.

—BOUNDARY VALUE PROBLEMS

Convergence and the error involved in using the method of straight lines in the solution of certain percolation problems. B M Budak, F. P Vasil'ev Sbor rab VTS MGU 2 211-238 '63

PERCUSSION

Zone of painfulness to percussion in acute appendicitis. A. Z. Kirvalidze. Soob. AN Gruz. SSR 31 *no. 1* 227-231 Jl '63.

PERFUSION PUMP (HEART)

Some current problems of perfusion in an artificial blood circulation K D Eristavi, P I Dzhimsherashvili, G D Pagava Soob AN Gruz SSR 31 no 3 727-728 S '63

PERICARDITIS

Kolesnikov, I. S., N. V. Putov, and A. T. Grebennikova. [Chronic pericarditides and their surgical treatment] Khronicheskie perikardity i ikh khirurgicheskoe lechenie. Moskva, Meditsina, 1964. 225 p.
(DNLM)

PERICARDIUM—HYDATIDS

Echinococcosis of the pericardium. G P. Zinchenko, A Kaliugin Uch zap Stavr. gos. med inst 8 150-153 '63

PERICARDIUM—SURGERY

Echinococcosis of the pericardium. G P Zinchenko, A. Kaliugin Uch zap. Stavr gos med inst 8 150-153 '63

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

Taube, P. R., and E. I. Rudenko. [From hydrogen to... ?] Ot vodoroda do... ? Moskva, Vysshaia shkola, 1964. 351 p.

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIODICITY

The 24-hour rhythm of mitoses in various organs of embryos of white mice and rats. N. V. Krasil'nikova. Biul. eksp. biol. i med. 56 no. 8:93-97 Ag '63.

PERITONEUM—TUMORS

Inflammatory "tumors" following appendectomy. B. I Chulanov Vest. khir. 91 no. 10 61-65 O '63.

PERITONITIS

Nonperforated biliary peritonitis. B. A. Landa Vest. khir. 91 no. 10.115-116 O '63.

PERIWINKLE (BOTANY)

Anatomical study of the fruit and roots of periwinkle. S S Liashenko. Farmatsev zhur. 18 no. 4 78-82 '63.

Hypotensive and some other properties of the herbage of the periwinkle Vinca minor M. N. Gordin, R. F Karimova Vest. AN Kazakh. SSR 19 no 5.91-95 My '63.

PERLITE (MINERAL) see subdivision under Ukraine

PERM—AIR—POLLUTION

Chemical composition of atmospheric precipitation in Perm and the control of the pollution of the atmosphere. G. A. Maksimovich. Okhr. prir. na Urale no. 2:45-49 '61.

PERM—CONSTRUCTION INDUSTRY

Council of the Ural municipal workers. V. Rabyko Zhil.-kom. khoz. 13 no. 9:26 S '63.

PERM—PRECIPITATION (METEOROLOGY)

Chemical composition of atmospheric precipitation in Perm and the control of the pollution of the atmosphere. G. A. Maksimovich. Okhr. prir. na Urale no. 2:45-49 '61.

PERM PROVINCE—AIR—POLLUTION

At the technical board of the Perm Province Economic Council. G. Kerzhentseva. Okhr. prir. na Urale no. 2: 175 '61.

PERM PROVINCE—BEAVERS

Distribution and preservation of river beavers and muskrats in Perm Province. S. P. Chashchin. Okhr. prir. na Urale no. 2:111-119 '61.

PERM PROVINCE—CONSERVATION OF NATURAL RESOURCES

Work of the Perm Province Section of the Russian Society for Promotion of Conservation of Nature. G. N. Kerzhentseva. Okhr. prir. na Urale no. 2:171-172 '61.

PERM PROVINCE—CRACKING PROCESS

Remodeling a gas fractionating unit. A. S. Naimushin. Nefteper i neftekhim. no. 7.43-46 '63.

PERM PROVINCE—FORESTS AND FORESTRY

[illegible] m Province. [illegible] prir. na Urale [illegible]

PERM PROVINCE—GEOLOGY, STRUCTURAL

Arch uplift in the Ural Mountain region of Perm Province. S. F. Fedorov, K E. Diment. Dokl. AN SSSR 157 no 2 341-344 Jl '64.

PERM PROVINCE—GROWTH PROMOTING SUBSTANCES

Obtaining a growth stimulant from the oils of Perm Province IU V Baivarovskaia and others Nefteper i neftekhim no 7 8-9 '63

PERM PROVINCE—HONEY PLANTS

Let's preserve lindens and other nectariferous trees in the vicinity of apiaries. I A. Ermakova, T. M. Petenko. Okhr. prir. na Urale no. 2 85-87 '61.

PERM PROVINCE—LUMBER—TRANSPORTATION

Let's give more attention to the conservation of the Perm Province water reservoirs. I M. Korobkov. Okhr. prir. na Urale no. 2:23-26 '61

PERM PROVINCE—MUSKRATS

Distribution and preservation of river beavers and muskrats in Perm Province S. P. Chashchin. Okhr. prir. na Urale no. 2,111-119 '61

PERM PROVINCE—PETROLEUM PRODUCTS

Obtaining a growth stimulant from the oils of Perm Province IU V Baivarovskaia and others Nefteper i neftekhim no 7 8-9 '63

PERM PROVINCE—PHYTOGEOGRAPHY

Some data on the distribution of forest-steppe and steppe plants in the northwest of Perm Province. E. E. Anikina. Okhr. prir. na Urale no 2 107-109 '61.

PERM PROVINCE—WATER—POLLUTION

At the technical board of the Perm Province Economic Council. G. Kerzhentseva. Okhr. prir. na Urale no. 2 175 '61.

PERM PROVINCE—WATER RESOURCES DEVELOPMENT

Let's give more attention to the conservation of the Perm Province water reservoirs I. M. Korobkov. Okhr. prir. na Urale no. 2:23-26 '61

PERMAFROST see Frozen ground

PERMITTIVITY see Dielectric constant

PERNICIOUS ANEMIA

Some data on the pathogenesis of the pernicious anemia syndrome in diphyllobothriasis. I. V. Lybin Trudy *TomNIIVS 14:122-126 '63.*

PEROXIDASES

Activity of catalase and peroxidase in plants treated with gibberellin. V A Raspevin. Fiziol. rast 11 no 3 534-537 *'64*

PEROXIDES

Kinetics of the reactions of amines with hydroperoxides Part 1 Reaction of cumene hydroperoxide with triethanolamine N. M Beilerian, S K. Grigorian, O. A. Chaltykian. Izv. AN Arm SSR. Khim nauki 17 no. 3 245-254 '64

Kinetics of the reactions of amines with hydroperoxides Part 2: Effect of potassium hydroxide on the rate of the reaction cumene hydroperoxide - triethanolamine *N M Beilerian, S K Grigorian, O. A Chaltykian Izv* AN Arm SSR Khim nauki 17 no 3:255-261 '64

PEROXIDES—CONGRESSES

Second conference on the chemistry of peroxide compounds. A. B. TSentsiper. Zhur. fiz. khim. 36 no. 6: 1392-1394 Je '62.

PEROXY COMPOUNDS

Reaction of peroxydicarbonates with solvents catalyzed by ferrous chloride. Direct introduction of cyclohexyloxycarboxy groups into aromatic rings G A. Razuvaev, N. A. Kartashova, L. S. Boguslavskaia. Zhur. ob. khim. 34 no 6:2093-2094 Je '64.

PEROXYMONOSULFATES

Reduction of the persulfate ion on a germanium cathode. E. A. Efimov, I. G. Erusalimchik, E. I. Gorgoraki. Zhur. fiz. khim. 38 no. 3:720-723 Mr '64.

PERSIA see Iran

PERSIAN LANGUAGE—AFFIXES

Development of word-building homomorphemic affixes in the modern Persian language. T. Aleskerova. Dokl. AN Azerb. SSR 20 no. 3:97-102 '64.

PERSIAN LITERATURE—HISTORY AND CRITICISM

Zand, M. I. [Six centuries of glory; outline of Persian-Tajik literature] Shest' vekov slavy; ocherki persidsko-tadzhikskoi literatury. Moskva, Izd-vo "Nauka," 1964. 250 p.

PERSONALITY

Physical education and training and the all-round development of personality (to be concluded). G. I. Kukushkin. Teor. i prak. fiz. kul't. 27 no. 6:1-9 Je '64.

PERU CURRENT

Peru Current. V. I. Brodetskii. Priroda 53 no. 7:92-94 '64.

PETROLEUM [illegible] ILLING AND BORING

[illegible] its in slant hole [illegible] Valley and others. [illegible] 43 [illegible] Ja '64

PETROLEUM [illegible] MUD VOLCANOES

[illegible]

[illegible] see subdivision under [illegible]

[illegible], 1946-

[illegible] Gyvenimas, [illegible] politines ir moks- [illegible] 1961 177 p illus (Scenos [illegible])

[illegible]EMICALS see Petroleum chemicals

PETROLEUM see subdivision under Ukhta Valley

PETROLEUM—ANALYSIS see subdivision under Cheleken Peninsula; Karadag region (Azerbaijan), Tatar A.S.S.R.

PETROLEUM—PRICES

[illegible] price [illegible] 14 Ja '63

PETROLEUM—STORAGE

[illegible] reservoir [illegible] V. A. [illegible] 4 22-25 '64.

[illegible] DIR-3 radioactive [illegible] P A [illegible] Transp [illegible] 4 23-33 '64

[illegible] losses [illegible] storage of [illegible] V. [illegible] Transp. i khran. [illegible] 4 21-23 '64

PETROLEUM—TRANSPORTATION

(see also subdivision under Bashkiria)

[illegible] in the technical development of the transportation and storage of petroleum products [illegible] Transp i khran nefti no 3 3-6 '63

Lesin, V. I. [Economics of the field preparation of oil and the refinement of oil field gas] Ekonomika promyslovoi podgotovki nefti i pererabotki neftepromyslovogo gaza Moskva, Izd-vo "Nedra," 1964 141 p.

Semiautomatic pouring of bright petroleum products into a shallow container S E Statsenko Transp i khran. nefti no 3 27-29 '63

Separators for consecutive pumping of petroleum products IU A Tsimbler Transp i khran nefti no 3: 34-37 '63

Stresses in the walls of soft containers when liquid petroleum products are transported in them by trucks. [illegible] L. Petrauskas. Izv. vys. ucheb. zav., neft' i gaz 7 no 1 99-94 '64.

[illegible] system of gathering, preparing, and transporting oil and gas. IA. IU. [illegible] Neft. khoz. 41 no. 7 57-62 Jl '63.

PETROLEUM, HEATING OF

Standard heaters with steam space. V. M. Shmerkovich, G A Margolin, V V Remeeva. Mash. i neft. obor. no 3:8-12 '63.

PETROLEUM AS FUEL

Chertkov, IA. B. [Nonhydrocarbon compounds in petroleum products] Neuglevodorodnye soedineniia v nefteproduktakh. Moskva, Izd-vo "Khimiia," 1964. 226 p.

Using the heavy residual fractions of Tatar sour crude as a fuel for gas turbines V I Lavrent'ev Nefteper i neftekhim no 4 27-34 '63

PETROLEUM CHEMICALS

(see also subdivision under France)

Condensate gases as a raw material for the chemical industry A S. Velikovskii, IA. D. Savvina. Khim. i tekh. topl. i masel 9 no 5 1-6 My '64.

Fifteenth edition of the transactions of Grozny Petroleum Scientific Research Institute. A. P. Babets Khim. i tekh. topl. i masel 9 no. 5 71 My '64.

Petroleum chemicals industry of Western Europe Khim. prom. [Ukr.] no 1 89-90 Ja-Mr '63.

PETROLEUM COKE

Grinding of zinc phosphide with additions of petroleum coke. V. S. Radchenko, A. I. Polemuev, A. M. IUdin, Khim. prom. no. 4:307 Ap '64.

Method for reducing the residual coke content in a circulating bead catalyst Zh F Galimov, N. D. Voloshin, M E. Levinter Nefteper i neftekhim. no. 4 14-17 '63.

PETROLEUM ENGINEERS—EDUCATION AND TRAINING

(see also subdivision under France)

Improving the scientific and technical backgrounds and the industrial training of specialists. Neft. khoz. 41 no. 11:63-64 N '63.

PETROLEUM GEOLOGY

(see also subdivision under Anastasiyevka-Troitskoye Oil Field; Azerbaijan; Canada; Caspian Lowland; Caspian Sea region, Caucasus; Chechen-Ingush A.S.S.R.; Daghestan, Danube Valley, Iran; Kobystan; Kuban; Kura-Aras Lowland; Kuybyshev Province; Mangyshlak Peninsula, Moldavia, Northern Dolina Oil Field; Pechora Valley; Shemakha region, Azerbaijan; Shkapovo Oil Field; Taman' Peninsula; Timan Ridge; Tuarkyr region, Turkmenistan; United States; Volga-Ural region; Volgograd Province)

Basic results of prospecting for oil and gas in the U S S R. in the first four years of the seven-year plan N I Buialov, V G Vasil'ev, N D Elin Neftegaz. geol i geofiz no 4 3-13 '63

Bordovskii, O. K. [Accumulation and transformation of organic substances in marine sediments; investigating the problem of the origin of oil] Nakoplenie i preobrazovanie organicheskogo veshchestva v morskikh osadkakh; issledovanie po probleme proiskhozhdeniia nefti. Moskva, Izd-vo "Nedra," 1964. 127 p.

Calculating the gravitational effect of the upper layers of a sedimentary formation. A. G. Salikhov, L. A. Zharkova. Geofiz. razv. no. 15:86-99 '64.

Certain results of the geothermal investigations of the Bibieybat Field F. A Vezir-zade T IU. Bagarov Izv vys ucheb zav , neft' i gaz 6 no 5.3-7 '63

Kalinko, M. K. [Basic regularities in the distribution of oil and gas in the earth's crust] Osnovnye zakonomernosti raspredeleniia nefti i gaza v zemnoi kore. Moskva, Izd-vo "Nedra," 1964. 206 p.

Krems, A. IA. [History of Soviet oil and gas geology; historical sketches of the science] Istoriia sovetskoi geologii nefti i gaza; nauchno-istoricheskie ocherki. Leningrad, Izd-vo, Nedra," 1964. 378 p.

Nauchno-koordinatsionnoe soveshchanie nauchno-issledovatel'skikh institutov Ministerstva geologii i okhrany nedr SSSR. Moscow, 1960. [Hydrogeological and hydrochemical indices of oil and gas potential; materials Gidrogeologicheskie i gidrokhimicheskie pokazateli neftegazonosnoti; materialy. Moskva, Vses. nauchno-issl. in-t gidrogeologii i inzhenernoi geologii, 1962. 103 p.

[MICROFILM]

Permiakov, I. G., and E. A. Shcherik. [General petroleum and oil-field geology] Obshchaia neftianaia i neftepromyslovaia geologiia. Pod red. S. P. Maksimova. Moskva, Izd-vo "Nedra," 1964. 330 p.

Zhabrev, D. V. [Syngenetic oil-bearing series and the oil-producing rocks forming them] Singenetichno-neftenosnye svity i nefteprodutsiruiushchie porody, slagaiushchie ikh. Pod red. V. V. Vebera. Moskva, Izd-vo "Nedra," 1964. 194 p.

PETROLEUM INDUSTRY

(see also subdivision under Azerbaijan; Ceylon; Germany, East; India)

All-Union volunteer workers' inspection of the fulfillment of scientific-research work and the introduction of scientific and technical achievements into the national economy. Neft. khoz. 41 no. 7:71 Jl '63.

Brief news. Neft. khoz. 41 no. 1:71-72 Ja '63.

Chemistry and the petroleum industry. N. K. Baibakov. Mash. i neft. obor. no. 1:3-6 '64.

Dissemination of progressive practices in the Main Administration for Supply of Petroleum Products to the National Economy of the RSFSR. O. P. Prokop'ev. Tranp. i khran. nefti no 3:39-40 '63.

Fifteenth edition of the transactions of Grozny Petroleum Scientific Research Institute. A. P. Babets. Khim. i tekh. topl. i masel 9 no. 5:71 My '64.

Foreign experience in the automatic processing of information in remote-control enterprises of the petroleum industry. M. IA. Ginzburg. Neft. khoz. 42 no. 3:68-70 Mr '64.

Joyous holiday of the Soviet people. Stroi. truboprov. 8 no. 11:1-3 N '63.

Melik-Shakhnazarov, A. M., and T. M. Aliev. [Instruments and methods for automatic control in the oil and gas industry] Pribory i sredstva avtomaticheskogo kontrolia v neftianoi i gazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 271 p.

Petroleum and gas industries in the U. S. S. R. approaching the forty sixth anniversary of the Great October Revolution. P. P. Galonskii. Neft. khoz. 41 no. 11:1-5 N '63.

Problems of cybernetics in the petroleum refining and petrochemicals industry. A. A. Popov. Khim. i tekh. topl. i masel 9 no. 3:52-54 Mr '64.

PETROLEUM INDUSTRY—BY-PRODUCTS

Various methods for the production of ethylene. A. M. Zeliznyi, S T. Zelizna. Khim. prom. [Ukr.] *no. 1.37-41 Ja-Mr '63*

PETROLEUM INDUSTRY—CONGRESSES

Papers on the use of petroleum products presented at the Sixth World Petroleum Congress. K K. Papok. Khim. i tekh. topl. i masel 9 no. 3:68-70 Mr '64.

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Kachan, I. K., and A. I. Sultanovich. [Spark-proof equipment for automatic control in the oil and gas industry] Iskrobezopasnaia apparatura avtomatiki v neftianoi gazovoi promyshlennosti. Moskva, Nedra, 1964. 123 p.

PETROLEUM INDUSTRY—FINANCE

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instruction for the compilation of projected estimates for oil and gas well construction] Instruktsiia po sostavleniiu proektno-smetnoi dokumentatsii na stroitel'stvo neftianykh i gazovykh skvazhin Moskva, Stroiizdat, 1964. 127 p.

PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

Explosion of gasoline vapors in tanks caused by static electricity discharges K P. Smirnov. [illegible] ispyt stn no *3:60-60 '63*

PETROLEUM PIPELINES

(see also subdivision under Sumatra)

Certain problems involved in designing pipelines [illegible] Abramson. Transp. i khran. nefti i nefteprod. [illegible] 3-4 '64.

Determining the profile of flat-rolled pipes [illegible] the molding pressure. G. A. Ruev. Transp. i khran. nefti i nefteprod. no. 4.11-17 '64.

Determining the volume and weight of crude being pumped through a pipeline. L. S. Maslov. Neft. khoz. 41 no. 11:50-54 N '63.

Displacement of petroleums and petroleum products in pipelines under laminar-flow conditions. V I. [illegible]monko. V. S IAblonskii Izv. vys. ucheb zav , neft' i gaz *6 no. 5:71-78 '63*

Experience in fitting new pipelines into those already in operation. Ch. F. Biktashev Transp. i khran nefti *no. 3:10-11 '63.*

Experience in the automatic control of intermediate petroleum pipeline pumping stations E. I. [illegible] Transp. i khran. nefti no. 3:7-10 '63.

Losev, B. I., M. L. Monina, and G. V. Pulinisov. [Using plastics and synthetic materials in the petroleum and gas industry] Ispol'zovanie plasticheskikh mass i sinteticheskikh materialov v neftegazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 243 p

Movement of oil-gas mixtures in pipelines. A. I. [illegible] Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:108-111 '64

Nomograms for determining the specific consumption of electric energy in petroleum and petroleum products pipelining. S. B. Enikeev. Transp. i khran. nefti i nefteprod. no. 4.7-9 '64.

Pressure-drop signal indicator with explosion protection V. M. Chulin, E. I. Bokanov. Transp. i khran. nefti i *nefteprod. no. 4:35-38 '64.*

Prevention of water hammers in pipelines. Transp. i khran. nefti no. 3:37-38 '63.

Tensomanometer for measuring pressure pulsations in pipelines. S. A. Bobrovskii, A. A. Kozobkov, A. B. Messerman. Transp. i khran. nefti i nefteprod. [illegible] 10-14 '64.

PETROLEUM PIPELINES—COMMUNICATION SYSTEMS

Bespalov, N. V., and I. S. Malkin. [Automatic control of communications in petroleum pipeline transportation] Avtomatizatsiia sviazi na nefteprovode. Moskva, Izd-vo "Nedra," 1964. 63 p.

Reliable communications systems for petroleum pipelines. G. B. Krasner. Neft. khoz. 41 no. 11:54-56 N '63.

PETROLEUM PIPELINES—FLUID DYNAMICS

Nonstationary separate consecutive motion of two viscous fluids in pipelines. A. A. Akhmedov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5:83-86 '63

PETROLEUM PRODUCTION

(see also subdivision under Apsheron Peninsula; Azerbaijan; Caspian Sea; Lokbatan Oil Field; October Oil Field; Romashkino Oil Field; Tatar A.S.S.R.; Turkmenistan; Tuymazy Oil Field)

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut razrabotki neftianykh i gazovykh mestorozhdenii. [Development of gas condensate and oil fields] Voprosy razrabotki gazokondensatnykh i neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 171 p.

Conference on surveying in petroleum production. I. A. Krikunov. Neft. khoz. 41 no. 1:69-70 Ja '63

Determining certain mean parameters of a reservoir using cubature formulas. S. V. Safronov, M. D. Rozenberg. Neft. khoz. 41 no. 1:46-52 Ja '63.

Determining the minimum number of producing wells with a given planned petroleum production. V. D. Chugunov. Izv. Kazan. fil. AN SSSR, Ser. fiz.-mat. i tekh nauk no. 15:3-13 '62.

Economic efficiency of petroleum-production automation abroad. A. M. Pliushch. Mash. i neft. obor. no. 3: 38-39 '63.

Effect of well spacing on the ultimate yield of a reservoir B. F. Sazonov. Neft. khoz. 41 no. 7:36-39 Jl '63.

Experimental investigation of the mechanism of a one-way coalescing *displacement from a porous medium* of nonpolar fluids. A. K. Mamedov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5:31-36 '63.

Expulsion of oil from a reservoir with foam. G. K. Maksimovich. Neft. khoz. 41 no. 1:39-46 Ja '63.

Further problems in the general automation of petroleum fields. R. IA. Isakovich. Nefteprom. delo no. 1:11-12 '63.

IAsashin, A.M. [Eliminating sand plugs in oil wells] Likvidatsiia peachanykh probok v neftianykh skvazhinakh. Moskva, Izd-vo "Nedra," 1964. 150 p.

New precision PGM-1 manometer M. M. Ivanov, I A. Fakhreev Mash i neft obor no 1;36-38 '64.

New reservoir disconnectors. I. Z. Salatinian, A. M. Shuvaev, M. I. Bashkirtsev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:113 '64.

Portable electronic checking dynamograph. A. D. Dinkel', G. G Dirks, N. M Litsyn. Neft khoz. 41 no. 11:59-62 N '63.

Resolutions of the November Plenum of the Central Committee of the CPSU and technical progress in petroleum production. S A. Orudzhev. Neft. khoz 41 no. 1 1-6 Ja '63

Results of the scientific research of institutes for 1963 and the economic effectiveness of their industrial application. G. A. Babalian, V. A. Serpenskii. Neft. khoz. 42 no. 3:57-65 Mr '64.

Significance of geological conditions when excluding reservoir waters. A. N. Mustafinov Neft. khoz 41 no. 11;29-32 N '63.

Sushilin, V. A. [Methods and equipment for deep-well investigations] Metody i tekhnika glubinnykh issledovanii v skvazhinakh. Moskva, Izd-vo "Nedra," 1964. 108 p.

PETROLEUM PRODUCTION—AUTOMATIC CONTROL see subdivision under Canada

PETROLEUM PRODUCTION—COMMUNICATION SYSTEMS

Designing communication channels with a periodically varying load for oil field depth-measurement devices. I. A. Kuliev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1: 91-96 '64.

PETROLEUM PRODUCTION—ELECTRIC EQUIPMENT
(see also subdivision under Azerbaijan)

Solution of nonsteady petroleum and gas flow problems in networks of ohmic resistance only. P M. Belash, A. M Kirilichev Izv vys ucheb. zav., neft' i gaz 6 no 5·87-90 '63

PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES

Certain problems in the development of petroleum-production technology and machinery. V. A. Amiian. Nefteprom. delo no. 1;3-6 '63.

Nature of the abrasive wear of drilling-equipment parts made of magnesium cast iron V. I. Shiykov Izv. vys. ucheb. zav., neft' i gaz 6 no. 5;103-107 '63

PETROLEUM PRODUCTION—IN-SITU COMBUSTION see subdivision under Wyoming

PETROLEUM PRODUCTION, THERMAL see subdivision under Czechoslovakia

PETROLEUM PRODUCTS
(see also subdivision under Perm Province)

Determining the sulfur in heavy petroleum products and additives by the iodometric method. N. M. In'kova, P. T. Makarov, N. F. Klemen'teva. Khim. i tekh. topl. i masel 7 no. 10.60-62 O '62.

High-speed method for the production of bitumen from petroleum residues by oxidation under pressure. M. Kh. Levinter, M. F. Galiakbarov. Khim. i tekh. topl. i masel 9 no. 3;32-36 Mr '64.

Lubricants for gas-turbine systems. B. V. Losikov and others. Khim. i tekh. topl. i masel 9 no. 3;58-62 Mr '64.

Pyrolysis of oil distillates and residues in the fluidized bed of a heat carrier. V. S. Aliev and others. Khim. i tekh. topl. i masel 7 no. 10;27-31 O '62.

Terephthalic acid from petroleum-refining products. A. P. Petrov, M M. Movsumzade. Izv. vys. ucheb. zav., neft' i gaz 6 no. 5 67-70 '63.

PETROLEUM PRODUCTS—DENSITY

Operation of specific-weight gauges in a thermal-cracking unit. M. Z. Khaet, A. A. Balakirev, M. I. Lishnevskii. Nefteper. i neftekhim. no. 6;36-40 '63.

PETROLEUM PRODUCTS—OPTICAL PROPERTIES

Investigating the optical activity of petroleum products during their thermal catalytic conversion. A. Dzh. Sattar-zade, I. S. Sattar-zade. Azerb. neft. khoz. 42 no. 9.37-40 S '63

PETROLEUM PRODUCTS—TESTING

Studying the stability of lubricants containing antioxidants and sulfonate type additives. P. I. Sanin and others. Khim. i tekh. topl. i masel 9 no. 3:62-66 Mr '64

PETROLEUM PRODUCTS—TRANSPORTATION

Railroad gantry for the discharge of petroleum products without collapsible bridge decks. Siue TSian' [Hsiieh Ch'iang]. Neft. khoz. 41 no. 1:68-69 Ja '63.

PETROLEUM REFINERIES see subdivision under Orsk

PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Plan for the enlargement of petroleum refineries. V. V. Popovich. Biul. stroi. tekh. 21 no. 1;43-44 Ja '64

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Performance of petroleum-plant tanks. V. L. Berezin, A. G. Gumerov, K. E. Rashchepkin. Transp. i khran. nefti no. 3;19-21 '63.

(see also subdivision under Azerbaijan)

Chertkov, IA. B. [Nonhydrocarbon compounds in petroleum products] Neuglevodorodnye soedineniia v nefteproduktakh. Moskva, Izd-vo "Khimiia," 1964. 226 p.

Economics of the refining of sour crude oil a topic for discussion. S. A. Feigin and others. Khim. i tekh. topl. i masel 9 no 5;44-48 My '64.

Group chemical composition of residual oils from sulfur-bearing crudes obtained in phenol and adsorption refining. K. K Denisenko, I. A. Mikhailov Khim. i tekh topl. i masel 9 no. 3;17-22 Mr '64

Luzin, V. I. [Economics of the field preparation of oil and the refinement of oil-field gas] Ekonomika promyslovoi podgotovki nefti i pererabotki neftepromyslovogo gaza. Moskva, Izd-vo "Nedra," 1964. 141 p.

Method for refining trap oil. F. I. Ponomarev. Nefteprom. delo no. 2;27-28 '63.

Method for sampling and investigating separation petroleum samples. V. I. Gorolan. Nefteprom. delo no. 2;14-16 '63.

Optimal bed height for stepped-reflux heat exchangers with fluidized beds. A. Pavel. Khim. i tekh topl i masel 9 no 6;40-44 Je '64.

Outstanding discovery (on the occasion of the 80th anniversary of the development by K. V. Kharichkov of the cold method for petroleum fractionation). A. Z. Dorogochinskii, M. N. Zhavoronkov Khim. i tekh. topl i masel 9 no. 3;71-72 Mr '64.

Shell and tube condensers for combined units of petroleum refineries. V. M. Shmerkovich Mash. i neft. obor. no. 3;14-16 '63.

Some regularities of the catalytic reforming process. N. P. Mel'nikova and others. Khim. i tekh topl i masel 9 no. 3;7-11 Mr '64.

Use of block copolymers of propylene and ethylene oxides for the breaking of petroleum emulsions. D. N. Levchenko, N. V. Nikolaeva, A. D. Khudiakova. Khim. i tekh. topl. i masel 9 no. 3;36-40 Mr '64.

V V Kafarov's book "Fundamentals of mass transfer " S A Bagaturov. Izv vys ucheb zav , neft' i gaz 6 no 5;112-113 '63.

PETROLEUM REFINING—CONGRESSES

All-Union conference on the automatic control of petroleum refining processes. Khim. i tekh. topl. i masel 7 no. 10: 70-72 O '62.

PETROLEUM REFINING—DESALTING

Experience with combined electric desalting and atmospheric and vacuum distillation units N R Entus, I. I Barkov. Nefteper i neftekhim. no. 4·3-7 '63.

PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Book from our friends. K. V. Kostrin. Khim. i tekh. topl. i masel 9 no. 6;72 Je '64.

Dependence between mass transfer in the gas phase and hydraulic parameters in bubbling. G. P. Solomakha, A. N. Planovskii. Khim. i tekh. topl. i masel 7 no. 10. 1-8 O '62.

Using high-strength steels for the equipment of petroleum refineries. P. M. Tarasenkov. Mash. i neft. obor. no. 11:39-43 '63.

Using the LADU apparatus to determine thermal stability. M A Mardanov, S A. Sultanov, L G Ismailova. Azerb neft. khoz 42 no. 9·40-41 S '63

PETROLEUM REFINING—FINANCE

Economic significance of specific capital investments in petroleum refining. E. A. Shapiro. Neft. khoz. 41 no. 7:1-6 Jl '63.

PETROLEUM REFINING—HYGIENIC ASPECTS see subdivision under Azerbaijan

PETROLEUM RESEARCH

Out-of-town session of the Council for Science and Technology in the city of Groznyy. V. A. Larionov. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1;52, 62, 76 '64.

PETROLEUM WASTE

Automatic sampler for petroleum polluted waters. N. F. Reznik, S. I. TSitovich. Transp. i khran. nefti no. 3;26-27 '63.

PETROLEUM WASTE—ANALYSIS

Determining the content of surfactants in waste waters. B. I. Karapaev, I. I. Malkina. Nefteper. i neftekhim. no. 7;9-13 '63.

PETROLEUM WORKERS

Leninskii, kommunisticheskii soiuz molodezhi Tatarii. Oblastnoi komitet. Otdel propagandy i agitatskii. [The people in the large-scale petroleum industry] O liudiakh bol'shoi nefti. Kazan', 1963. 20 p.
[MICROFILM]

PETROLOGY

[illegible] Carpathian Mountain [illegible] .naly; [illegible] Eastern; [illegible] ; Ural Mo[illegible]

[illegible] of pegma- [illegible] Dokl. AN SSSR 157 no. 2;349-352 Jl '64.

forming minerals in thin sections] Prakticheskoe rukovodstvo po issledovaniiu porodoobrazuiushchikh mineralov v prozrachnykh shlifakh. Moskva, Izd-vo "Nedra," 1964. 90 p.

Soveshchanie po litologii i mineralogii osadochnykh porod. Baku, 1956. [Transactions of the Conference on the Lithology and Mineralogy of Sedimentary Deposits] Trudy. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 265 p. illus., plates, maps, diagrs., tables.
(OkU)

PETROV, FEDOR NIKOLAEVICH, 1876-

Dvoiris, Z. S. [Fiery heart] Plamennoe serdtse. Moskva, Izd-vo "Znanie," 1964. 130 p. (Prochti, tovarishch!)

PETROZAVODSK—CONSTRUCTION WORKERS

To like a person and fight for him S. Simonov. Zhil.-kom khoz 13 no 9 18 S '63.

PEYER, BERNHARD, 1885-1963

Barnum Brown (1873-1963). Bernhard Peyer (1885-1963) L. P. Tatarinov. Paleont. zhur. no. 1;150 '64.

PHAGOCYTOSIS

Effect of nivaline on the phagocyte activity of the blood leucocytes. B. D Stanchev, TS Takeva Farm. i toks 26 no 1,72-75 Ja-F '63

Effect of polyvalent bacterial preparations on the phagocytic activity of the blood in horses E. I. Kleitman and others Trudy TomNIIVS 14;169-175 '63.

Effect of some nicotinic acid preparations on phagocytosis in irradiated animals E M Chukichev. Farm. i toks. 26 no. 1·80-84 Ja-F '63

State of the general immunobiological reactivity of the body and morbidity among foundry workers V K. Navrotskii and others Vest AMN SSSR 18 no 8 32-41 '63

PHARMACEUTICAL RESEARCH

Some results of the progress of drug compounding technology and further prospects IU. A. Blagovidova. Apt. delo 11 no. 6·3-9 N-D '62.

PHARMACEUTICAL SOCIETIES
(see also subdivision under Ukraine)

In the Presidium of the Board of the All-Union Scientific Pharmaceutical Society. E. N. Kutumova. Apt. delo 12 no. 2;80-82 Mr-Ap '63.

PHARMACOLOGY

Changes in protein and lipid metabolism in atherosclerosis and the effect of some therapeutic substances on it. I. M. Gandzha. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;51-55 '63.

Hypotensive and some other properties of the herbage of the periwinkle Vinca minor. M N. Gordin, R. F Karimova Vest. AN Kazakh SSR 19 no. 5·91-95 My '63.

Pathogenesis and treatment of acute pancreatitis. M. N. Molodenkov. Khirurgiia 40 no. 2;72-78 F '64.

Some problems in the kinetics of primary pharmacological reactions, review. M. Meizobs. Farm. i toks 26 no. 1:121-127 Ja-F '63.

Vsesoiuznaia konferentsiia farmatsevtov, 2d, Leningrad, 1959. [Materials of the Second All-Union Conference of Pharmacists] Materialy. Moskva, Medgiz, 1961. 304 p.
[DNLM MICROFILM]

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. no. 13 Jl '64.

PHARMACOLOGY—CONGRESSES

Third Volga Valley Conference of Physiologist, Biochemists and Pharmacologists. G. N. Smetankin. Zhur. vys nerv. deiat. 13 no. 6 1108-1110 N-D '63.

PHARMACOPOEIAS
(see also subdivision under Indonesia)

Book about "Complex drugs" by Ibn-Sina (Avi Cenna). S. A. Reshetnikov. Apt. delo 12 no. 2;92-94 Mr-Ap '63.

Review of the book "Encyclopedia for the pharmacist." P. E. Rozentsveig, F. V. Ivanov, G. A. Nodel'. Apt. delo 11 no. 6;76-80 N-D '62.

PHARMACY
(see also subdivision under Bulgaria; Ukraine)

Conference of readers of the periodical "Aptechnoe delo" in Kiev. M. N. Bushkova, I. A. Minkovich. Apt. delo 11 no. 6;74-75 N-D '62.

Current state and prospects of the use of high molecular-weight compounds in pharmacy (with summary in English). B. N. Stepanenko, IU. A. Blagovidova, O. I. Belova. Apt. delo 12 no. 2:3-15 Mr-Ap '63.

Search for new emulsifiers for the preparation of emulsions. O. A. Ogorodnova, P. E. Rozentsveig. Apt. delo 12 no. 2;70-73 Mr-Ap '63.

Stability of suspensions of sulfanilamide preparations; preliminary report [with summary in English]. IU. A. Blagovidova. Apt. delo no. 2:23-28 Mr-Ap '63.

Study of the regimen of sterilizing oils, vaseline and lanolin with steam under pressure. Z. I. Bul'varova and others. Apt. delo 12 no. 2;29-35 Mr-Ap '63.

PHARMACY (Continued)

[illegible] 21 ND 2

PHARMACY—BIBLIOGRAPHY see Bibliography—Pharmacy

PHARMACY—HANDBOOKS, MANUALS, ETC.

[illegible]

PHARMACY—QUALITY CONTROL see subdivision under [illegible] Province

PHARYNX—INNERVATION

Innervation of the pharynx and the cervical portion of the esophagus in man and some animals. G S Semenova [illegible] MI [illegible]-27 '62

Nervous apparatus of the pharynx and the cervical portion of the esophagus in human fetuses. G S Semenova [illegible] MI 15 28 105 '62

Development of the innervation of the pharynx and the cervical portion of the esophagus. G S Semenova. Trudy MI [illegible]-43 '62

PHASE CONVERTERS

From single-phase to three-phase current converters for electric power systems. V A Kulinich. Izv vys ucheb zav, elektromekh 7 no 6:737-745 '64

PHASE RULE AND EQUILIBRIUM

Calculation of liquid - vapor isothermal equilibrium in ternary systems of which two components form a system with small deviations from the laws of ideal solutions. M P Susarev, A N Gorbunov. Zhur fiz khim 38 no 3:581-588 Mr '64.

[illegible] interfacial energy of antipyrine at [illegible]. A S Mikalich. Krist. [illegible] 7-17 '64

Effect of size and shape of cementite particles on the structure and properties of steel following deformation. V M Parfenskii, G V Kurdiumov, M D Perkas. Metalloved i term obr. met. no. 2:3-8 F '64

Effect of the preliminary homogenizing of cast iron on the aspect of the diagram of isothermal decomposition of austenite. K P Bunin, I, F Fedorova. Izv AN SSSR Met i gor delo no 3:116-117 My-Je '64

Geometry of the phase diagrams of iron-carbon and iron-carbon-silicon alloys. A A, Zhukov. Zhur fiz khim 36 no 6 1371-1375 Je '62.

Equilibrium [illegible] and phase distribution of components in ternary systems with closed demixing [illegible]. D N Tarasenkov, M I, Kogurova. Zhur, fiz khim 37 no 4:730-734 Ap '63

Phase and volume relations in the system adiponitrile - ammonia. G D Efremova, R.O Prianikova. Zhur.fiz. khim 38 no 3,686-691 Mr '64.

Phase diagrams of ternary liquid systems containing three binary demixing areas with upper critical temperatures of dissolution. Equilibrium of liquid phases in the system water - succinonitrile - n-butyl alcohol. E F Zhuravlev, L.K Mel'nikova. Zhur.ob khim. 34 no 6,1716-1724 Je '64

Phase diagrams of ternary liquid systems containing two binary demixing areas with differently oriented critical points. Part 3. Demixing in the systems pyramidon - water - succinic acid nitrile and pyramidon - water - phenylhydrazine. E F Zhuravlev. Zhur ob khim 34 no 6,1710-1716 Je '64.

Phase equilibria in the system water - hydrogen chloride-dioxane at 50°C. M, P Susarev, V, V, Guseva. Zhur prikl khim 37 no 5;1067-1072 My '64

Phase transitions in porous materials of granular structure. I O, Meleshko. Krist, zhid. no 2:53-57 '63

Structural transformations in 12Kh1MF steel during heat treatment. K A Lanskaia, E, I Gorchakova, R M Fireeva. Metalloved i term obr met. no. 2:13-18 F '64

Study of equilibrium in the system oxide - metal - gas by the electric conductivity method. E, S Vorontsov, A V Ermakov. Zhur, prikl, khim 37 no 5;1160-1163 My '64

Study of multicomponent heterogeneous systems by phase mass measurement. Part 3. L, S Palatnik, N D, Gortan'. Zhur fiz khim 36 no, 6;1276-1279 Je '62.

Surface tension at the liquid - gas interface at high pressures. IU, V, Efremov, I F, Golubev. Zhur fiz. khim 36 no. 6;1222-1225 Je '62.

Ternary carbide systems. Metalloved, i term, obr, met. no 3:59-61 F '64

Ti_nNi_mS phase in 1Kh18N12T and 1Kh18N9T steels. V N, Guliaev, IU. P, Bulanov. Izv. AN SSSR, Met, i gor, delo no. 3:145-147 My-Je '64.

PHEASANTS see subdivision under Armenia

PHENANTHRENE

Structure of isothebaine. Synthesis of 2,3,8-trimethoxyphenanthrene. A.V.Bocharnikova, V.V.Kiselev. Zhur.ob.khim 34 no.6:1984-1986 Je '64.

PHENAZINE

Heterocyclic derivatives. Part 3: Some derivatives of phenazine. Z.P.Penkugalova and others. Zhur,ob. khim. 34 no.6:1958-1960 Je '64.

PHENETHYLAMINE—PHYSIOLOGICAL EFFECT

Effect of phenamine on water diuresis in horses. P G, Men'shakov. Zap Vor sel'khoz inst 17 no 2 279-281 '62

PHENOLS

Alkylation of anisole, phenetole, and o-cresol by molecular compounds of alcohols with boron fluoride. I A Romadan, B, IA Karele. Zhur ob khim 34 no 5:1535-1538 My '64

Efficient method for the neutralization of alkyl phenols by barium-hydroxide. A, M Bagaichuk. Neftepei i neftekhim no 7 21-25 '63

Hydrogenation of phenol in the presence of new catalysts. N, G, Bakauri and others. Soob, AN Gruz, SSR 34 no, 1 85-89 Ap '64.

Industrial production of alkyl phenol additives with the use of the KU-2 cation exchanger. Z A, Bernadiuk and others. Khim i tekh topl, i masel 9 no, 3:27-31 Mr '64

Oxa compounds. Part 3. A, V El'tsov. Zhur ob khim 34 no 5 1622-1624 My '64

Photocolorimetric determination of phenol in hormonal preparations. M P IAvors'kyi. M M, Fedusiv. Farmatsev zhur 18 no 4 34-39 '63

Physicochemical investigation of the ternary system phenol - acetic acid - monochloroacetic acid. I M Bokhovkin. IU I Bokhovkina, E, O Vitman. Zhur ob khim 34 no 5 1372-1375 My '64

Physicochemical investigation of the ternary system phenol - monochloroacetic acid - trichloroacetic acid. I M Bokhovkin, IU I Bokhovkina, E O Vitman. Zhur ob khim 34 no, 5 1369-1371 My '64

Some structural and histochemical changes in the hypophysis and ovaries of mice following synestrol injection. L, F Gachechiladze. Soob, AN Gruz, SSR 34 no, 1:181-188 Ap '64.

Starting up consolidated units for the purification of lubricants with phenol. A, L, Chvertkin. Neftepor i neftekhim, no 6;3-9 '63

Study of the migration of deuterium from the hydroxyl group to the phenol ring. I, F, Tupitsyn, V I, Komarov. Zhur, ob, khim 34 no 6:1703-1710 Je '64

Testing an experimental commercial rotary-disk extractor for dephenolizing tar waters. S Z Kagan and others. Gaz prom 7 no 4 13-17 '62

Transformations of disulfonyl chlorides. Part 1: Interaction of alkanedisulfonyl chlorides with phenols and aromatic amines containing a halogen and a nitro group. G T Esaian, E E Oganesian, E L Asoian. Izv, AN Arm SSR, Khim, nauki 17 no 3 339-344 '64.

Transitions from stable to metastable states. Part 2. A.N.Kirgintsev, L.N.Efanov. Zhur.fiz.khim. 36 no.3;745-747 Mr '64.

PHENOLSULFONIC ACID

Thiophenolsulfonic acids and their derivatives. A.E. Kretov, A.S.Baspalyi, N.N.Politun. Zhur.ob.khim, 34 no 6:2066-2068 Je '64.

PHENOTHIAZINE

Effect of aminazine and parsidol on the coordination of movements in cerebral palsy in children. A, L, Lindenbaum. Zhur, nevr, i psikh. 63 no. 7;995-999 '63.

Effect of feeding phenothiazine to marals on the excretion of Elaphostrongyluses, Dictyocauluses, and Bicauluses. P P, Osipov. Paraz sel'khoz, zhiv, Kazakh 3 99-100 '64

Results of the use of chloracizin. S, G, Kobaladze, R, P. Cheishvili. Trudy Inst, klin i eksper, kard, AN Gruz, SSR 8;441-443 '63.

PHENYLENEDIAMINE

Improvement of the technology of preparation of di-β-naphthyl-p-phenylenediamine. A, S, Tarasenko, G, A, Belousova. Khim, prom, no, 4;272 Ap '64.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—CONGRESSES

Man and the epoch in contemporary philosophy. P, Kopnin. Komm, Ukr. 39 no, 1 58-65 Ja '64.

PHILOSOPHY, KIRGHIZ

Amanaliev, Batyrbek. [From the history of the philosophical thought of the Kirghiz people] Iz istorii filosofskoi mysli kirgizskogo naroda, Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 74 p. (MIRA)

PHILOSOPHY OF NATURE

Engels, Friedrich. [Dialectic of nature] Dialektika prirody. Moskva, Politizdat, 1964. 358 p.

PHONETICS—STUDY AND TEACHING

Ivanov, P, P. [Methods of studying phonetics in the fifth grade] Metodika izucheniia fonetiki v V klasse. Izd, 2,, ispr, i dop. Moskva, Uchpedgiz, 1964. 95 p.

PHOSGENE

(see also subdivision under United States)

Haloalkyl sulfides. Part 4: Interaction of alkylene sulfides with phosgene and chlorocarbonic esters. G, IU, Epshtein, I, A, Usov, S, Z, Ivin. Zhur, ob, khim, 34 no, 6;1954-1955 Je '64

PHOSGENE—PHYSIOLOGICAL EFFECT

Effect of novocaine block of the stellate ganglia on phosgene-induced pulmonary edema. N I Kozakhe[illegible]. Pat fiziol i eksp terap 7 no, 6:71-7[illegible] N [illegible]

PHOSPHAMIDASES

Fermentative hydrolysis of the phosphamide bond [illegible] nucleotidyl- (5'→N)-amino acids. R K, Le[illegible], Z, A, Shabarova, M, A Prokof'ev. Dokl, AN SSSR [illegible] no, 2 473-474 Jl '64.

PHOSPHATASES

Acid and alkaline phosphatase activity in the blood serum in cancer and suppurative processes of the lung. O V Chernykh. Vop, onk. 10 no, 2;24-28 '64.

Localization of acid and alkaline phosphatase in the [illegible] sympathetic ganglia [with summary in English] [illegible] Gruten. Arkh anat., gist, i embr. 44 no, 6 [illegible] '63,

Micromethod for determining inorganic phosphorus and alkaline phosphatase in blood serum and inorganic phosphorus in the urine. M, M, Alimova. [illegible] no, 5 346-349 '64,

Phosphatases in the human placenta. I, I, [illegible]. Biul eksp, biol, i med. 56 no, 8;64-68 Ag '63.

Relationship between the phosphatase activity of [illegible] flora and the mobile phosphorus content of soil. V, V Kotelev, E, A, Mekhtieva. Izv, Mold, fil, AN SSSR [illegible] 41-47 '61.

PHOSPHATES

(see also subdivision under Dzhezkazgan region, Karaganda Province; Indian Ocean; Virgin Territory)

Defluorination of double superphosphate. B, I Vol'fk[illegible] and others. Zhur, prikl, khim. 37 no, 5;[illegible] My '64.

PHOSPHAZINES

Antineoplastic activity of phosphazine. V A [illegible], A, A Grushina, L, G, Lytkina. Farm, i toks [illegible] 102-108 Ja-F '63

PHOSPHAZO COMPOUNDS

Phenyldimethyl- and phenyldiethylphosphazo aryls. V [illegible] Shatlenko, V I Shevchenko. Zhur, ob, khim. 34 [illegible] 1463-1464 My '64

Trichlorophosphazo alkyls. I, N, Zhmurova, B, S [illegible] Zhur ob, khim. 34 no 5:1441-1446 My '64.

PHOSPHINE

Dialkylvinylacetylenylphosphines. I A, Maretina, A A Petrov. Zhur ob, khim. 34 no, 5:1686 My '64

Phosphine derivatives of amino acids and peptides. [illegible] Poroshin, V, K, Burichenko. Dokl, AN SSSR 155 [illegible] 366-368 My '64,

PHOSPHINIC ACID

Interaction of methylphosphinic acid anhydride with hydroxyl-containing compounds. V, P, Evdakov, E, I Mizrakh. Zhur, ob, khim. 34 no, 6;1848-1851 Je '64

Synthesis and alkylation of phosphites and phosphinates of 1, 2, 3, 5-diisopropylidene galactose and 1, 2, 3, [illegible] diisopropylidene glucose. K, A, Petrov and others. Zhur, ob, khim. 34 no 5, 1459-1462 My '64

PHOSPHINIC ACID—PHYSIOLOGICAL EFFECT

Effect of armin and pyrophos on cholinesterase activity in different tissues of white mice. L, V Dumskaia, R, A Khaunina. Farm, i toks 26 no, 1 45-47 Ja-F '63.

PHOSPHINOUS ACIDS

Phosphinic and phosphinous acid derivatives. Part 30: Synthesis of esters of allylphosphinous acid and the reactions of addition to them of elements of group VI. A, I, Razumov and others. Zhur, ob, khim. 34 no, 6: 1851-1855 Je '64.

Phosphinic and phosphinous acid derivatives. Part 31: Rearrangement reactions of allyl phosphinites. B, G Liorber, A, I, Razumov. Zhur, ob, khim. 34 no, 6: 1855-1860 Je '64.

Phosphinic and phosphinous acid derivatives. Part 32: Nature of the aliphatic intermediate products of Arbuzov rearrangement. A, I, Razumov, N, N, Bankovskaia. Zhur, ob, khim. 34 no, 6:1859-1863 Je '64.

PHOSPHITES

Mechanism of the phosphite inhibition of hydrocarbon oxidation. P, I, Levin. Zhur, fiz, khim. 38 no, 3; 672-675 Mr '64.

PHOSPHOMOLYBDOVANADIC ACIDS

Photocolorimetric determination of phosphorus in vegetable material by the use of phosphomolybdovanadic heteropolyacid. A, G, Aleksandrova. Izv, Sib, otd, AN SSSR no, 6:108-110 '62,

PHOSPHONIC ACID

Synthesis and some properties of dialkylcyclohexyl phosphates. K, A, Petrov and others. Zhur, prikl khim, 37 no, 5;1132-1135 My '64,

PHOSPHONITRILE CHLORIDE

Hexa(hydroxyalkyloxy)triphosphonitriles. A, F, Nikolaev, Van Er-ten'. Zhur, ob, khim. 34 no, 6;1833-1835 Je '64.

Preparation and properties of hexa(amino alkyl amino)-triphosphonitriles. A, F, Nikolaev, Van Er-ten'. Zhur. ob, khim. 34 no, 6;1831-1832 Je '64.

PHOSPHOPROTEINS

Seryl phosphates and pyrophosphates. Part 1: Synthesis of P P -di(benzyl ester of N-carbobenzoxyseryl)-P P -dibenzylpyrophosphate and P P-di(methylamide of N-benzoylseryl)-P P -dibenzylpyrophosphate. S.M. Avaeva, M.M.Botvinik, I.F.Syromiatnikova Zhur. ob.khim. 34 no.6:1749-1754 Je '64.

Seryl phosphates and pyrophosphates. Part 2: Behavior of bis(methyl ester of N-carbobenzoxyseryl)-phenyl phosphate in HBr solution in organic solvents. S M. Avaeva and others. Zhur.ob.khim. 34 no.6:1754-1757 Je '64.

PHOSPHORESCENCE

Making use of the phenomenon of phosphorescence in studying the Sarmatian limestones in the southern Prut Valley. Moldavian S.S.R. V.V.Shnyrev. Izv.Mold. fil.AN SSSR no.8:69-73 '61.

Phosphorescence of organic phosphors with two metastable levels [with summary in English]. H.M.Lysenko, H.M.Kysliak. Ukr.fiz.zhur. 9 no.2:160-165 F '64.

PHOSPHORIC ACID

Extraction of uranyl nitrate by undiluted tributylphosphate in laboratory columns. A.V Nikolaev, S.A.Durasova, B.V.Levin. Izv.Sib.otd.AN SSSR no 6:102-105 '62

Solubility in the system urea - phosphoric acid - water. I. M. Kaganskii and others. Zhur.prikl khim. 37 no. 5:1111-1116 My '64.

Voskresenskii, S.K., ed. [Production of 32% P_2O_5 phosphoric acid by the decomposition of apatite by sulfuric acid with the crystallization of gypsum] Proizvodstvo fosfornoi kisloty kontsentratsiei 32% P_2O_5 razlozheniem apatita sernoi kislotoi s kristallizatsiei gipsa. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1962. 15 p.

[MICROFILM]

PHOSPHORITES

(see also subdivision under Soviet Central Asia)

Electrostatic concentration of phosphorite ores. A.I. Angelov, V.M.Borisov. Khim.prom. no.4:251-256 Ap '64.

Physicochemical analysis of the process of hydrothermal treatment of obolus phosphorites. M.A. Veiderma, S.I. Vol'fkovich. Zhur.prikl.khim. 37 no.5:937-946 My '64.

PHOSPHORS

Gosudarstvennyi institut prikladnoi khimii. [Chemistry and technology of luminophors] Khimiia i tekhnologiia liuminoforov; sbornik statei. Pod red. L IA. Markovskogo. Moskva, Izd-vo "Khimiia," 1964. 127 p.

PHOSPHORUS

Effect of phosphorus on the surface tension and density of iron. IU.M.Gogiberidze, M.A.Kokelidze, Sh.M.Mikiashvili. Soob.AN Gruz.SSR 31 no.1:126-130 Jl '63.

PHOSPHORUS—ANALYSES

Photocolorimetric determination of phosphorus in vegetable material by the use of phosphomolybdovanadic heteropolyacid. A.G.Aleksandrova. Izv.Sib.otd.AN SSSR no.6:108-110 '62.

PHOSPHORUS—THERAPEUTIC USE

Dietary calcium and phosphorus enrichment as a factor lowering the strontium-90 concentration in the skeletal bone. V.A.Knizhnikov, P.F.Bugryshev. Vop.pit. 22 no.6:56-62 N-D '63.

PHOSPHORUS ACIDS

Interaction of α,α-diphenylpicrylhydrazyl with phosphorus acid esters. P.A.Kirpichnikov and others. Zhur.ob. khim. 34 no.5 1683-1684 My '64.

PHOSPHORUS CHLORIDES

Reaction of phenol ethers with phosphorus trichloride. Part 2: Interaction of dimethyl ether of resorcinol with phosphorus trichloride. I.S.Protopopov, M.IA. Kraft. Zhur.ob.khim. 34 no 5 1446-1449 My '64.

PHOSPHORUS IN THE BODY

Content of the various forms of phosphorus compounds in the blood serum of cattle in alimentary osteodystrophies G.A.Chaplygina Zap.Vor.sel'khoz inst 17 no 2·189-193 '62

Distribution and discharge of P^{32} from the organism of healthy and lead-poisoned animals. K.K.Makashev, Z.P.Rakhimova. Izv.AN Kazakh.SSR.Ser.med.nauk 11 no.2:44-49 '64.

Highly sensitive micromethod for photometric determination of phosphorus. G.A.Uzbekov, M.G.Uzbekov. Lab.delo no.6:349-352 '64.

Micromethod for determining inorganic phosphorus and alkaline phosphatase in blood serum and inorganic phosphorus in the urine. M.M.Alimova Lab.delo no.6:346-348 '64.

PHOSPHORUS METABOLISM

Carbohydrate and phosphorus metabolism within the heart in pituitrin coronary insufficiency. U.A.Kuz'minskaia. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:407-410 '63.

PHOSPHORUS ORGANIC COMPOUNDS

Addition of organophosphorus compounds with a mobile hydrogen to divinyl sulfone and p-di(β-nitrovinyl) benzene. A.N Pudovik, F N Sitdykova Zhur.ob khim. 34 no 5 1682-1683 My '64

Complex formation of americium with acid organophosphorus compounds. V.I.Zemlianukhin, G P.Savoskina, M.F Pushlenkov Radiokhimiia 5 no.6:674-679 '63.

PHOSPHORYL CHLORIDE

Phosphorus-containing heterocycles. Part 3: Condensation of B-glycolophosphoryl chloride with diene hydrocarbons. N.A.Razumova, A.A.Petrov. Zhur.ob khim. 34 no.6:1886-1891 Je '64.

PHOSPHORYLATION

Oxidative and glycolytic phosphorylation of the myocardium in experimental E-avitaminosis. R.I.Gvarishvili. Trudy Inst.klin.i eksper.kard AN Gruz.SSR 8:321-325 '63.

Study of oxidative phosphorylation in subcellular particles from Azotobacter vinelandii A V Kotel'nikova, E.V Ivanova Dokl AN SSSR 157 no 3·710-713 Jl '64.

PHOTOCHEMISTRY

Absorption spectrum originated by photolysis of boron chloride with ozone. A.N.Samoilova and others. Zhur fiz.khim. 37 no.4:909 Ap '63.

Sviridov, V.V. [Photochemistry and radiochemistry of solid inorganic substances] Fotokhimiia i radiatsionnaia khimiia tverdykh neorganicheskikh veshchestv. Minsk, Izd-vo "Vysshaia shkola,"

Pt.1. 1964. 387 p.

PHOTOCOLORIMETERS see Colorimeters

PHOTOELECTRIC CELLS

Calculation of a longitudinal photoeffect in a two-coordinate photocell. IU I.Ravich. Radiotekh i elektron 9 no.4:688-692 Ap '64

Experimental study of the operation of longitudinal photoelectric diodes K M Krolevets Radiotekh.i elektron. 9 no.6.1055-1064 Je '64.

High-speed Ge surface-barrier photodiodes. O.A.Matveev, S M.Ryvkin, D V Tarkhin Radiotekh i elektron 9 no 5 895-896 My '64.

Interference method for studying complex photocathodes. A E.Melamid, N.S.Khlebnikov Radiotekh i elektron 9 no.6.1001-1008 Je '64.

Nature of the film on the surface of a silicon photocell during anodic etching. M.M.Koltun. Zhur.fiz.khim. 38 no.3:723-725 Mr '64.

Optical constants and other characteristics of complex photocathodes A E.Melamid, N S Khlebnikov Radiotekh.i elektron 9 no.6:1009-1019 Je '64.

PHOTOELECTRIC MULTIPLIERS

Effect of a gas discharge and optical feedback on the origination of delayed pulses at the output of a photoelectric multiplier. N.S.Khlebnikov, A.E.Melamid, T A.Kovaleva. Radiotekh.i elektron 9 no 6:1020-1028 Je '64.

Frequency characteristics of photoelectric multipliers I F Balashov, B A.Ermankov Radiotekh.i elektron 9 no 5 907-909 My '64.

PHOTOELECTRICITY

Emission of two.electrons during photoeffect in a Cs - Ba cathode V.V.Artem'ev. Radiotekh.i elektron. 9 no 4·756-757 Ap '64.

PHOTOGRAPHIC EMULSIONS

Black anti-halation layer for color films. L.V.Rozental' and others. Usp.nauch.fot. 8·67-71 '62

Diffusion of dyes in the gelatin gel. I.B.Blumberg, I.M. Davydkin. Usp.nauch.fot. 8:106-114 '62.

Effect of light absorption by the matrix film on the gradation of the washed off relief. S.A.Bongard, M.I.Vinitskaia. Usp.nauch fot. 8:92-96 '62.

Effect of non-diffusing color components on the optical sensitization of silver halide emulsions. E.B Lifshits, S.V.Natanson, I.I.Levkoev. Usp.nauch.fot. 8·44-45 '62.

Investigating the relief image on the matrix film. S.S. Savko. Usp.nauch.fot. 8:97-105 '62.

Mechanism of the dyeing of gelatin layers. Report No.1. N.S.Spasokukotskii, S.E.Tikhanovich. Usp.nauch.fot. 8:115-124 '62.

Mechanism of the dyeing of gelatin layers. Report No.2. N.S.Spasokukotskii, S.E.Tikhanovich. Usp.nauch.fot 8:125-133 '62.

Method for investigating the diffusion of optical sensitizers in the photographic layers. IU.B.Vilenskii, R.V. Timofeeva Usp nauch.fot 8.56-60 '62.

Spectral study of the process of the formation and destruction of sensitivity centers in the silver sulfide emulsion under the effect of light. L.A.Rozentsvaig. Pratsi Od.un. 150 Zbir.stud.rob. no.6:117-119 '60.

Study of the effect of temperature on fine-grained photographic emulsions of low sensitivity by the optical method. R.A.Levyts'ka. Pratsi Od.un. 150 Zbir. stud.rob. no.6:111-116 '60.

PHOTOGRAPHIC SENSITOMETRY

Effect of the spectrum distribution of the sensitivity of the layers of negative multilayer films on color reproduction IU N Gorokhovskii, K B Popova Usp nauch fot 8 146-154 '62

Efficient sensitivity criterion of black-and-white and colore photographic materials IU N Gorokhovskii, V V.Levina Usp nauch fot 8 179-194 '62

Experimental research studies on the efficient methods for formulating common sensitivity properties of negative black-and-white and color materials E.D Katsenelenbogen, G S Baranov Usp nauch fot 8 195-209 '62.

Modern sensitometers and some methods for their improvement. A M Ivanov Usp nauch fot 8.235-247 '62

New and modernized apparatus developed by the Scientific Research Institute of Motion Pictures and Photography for color sensitometry V P.Kopeikin Usp nauch. fot 8 225-234 '62

Recording densitometer for black-and-white sensitograms S.A.Anisimov Usp nauch fot 8 256-262 '62

Sensitometry of reversal color films G S Baranov and others Usp nauch.fot 8·210-215 '62

Simplified sensitometric control in color photographic processes. A N Uspenskii Usp nauch fot 8 273-278 '62.

Universal differential type densitometer for black-and-white and color fields. IU N Gorokhovskii, G.L Pekarskaia Usp nauch.fot 8 248-255 '62

PHOTOGRAPHY

Kulagin, S.V. [Photography and photographic apparatus] Fotografiia i fotoapparatura. [Petrazavodsk], Rosvuzizdat, 1963. 282 p.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Spectral investigation of the mechanism of physical [photographic] developing. O.M.Semenova. Pratsi Od.un. 150 Zbir.stud.rob. no.6:105-109 '60.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref.zhur.: Fotokinotekh. nos.6-7 Je-Jl '64.

PHOTOGRAPHY, STEREOSCOPIC

Ground stereoscopic photography of natural features according to plan. V.I.Avgevich. Izv.vys.ucheb. zav., geod.i aerof. no.6:95-112 '63.

PHOTOGRAPHY IN NUCLEAR PHYSICS

Bannik, B.P., T.Vishki, and Do In Seb. [One of the criteria for the separation of p-p - interactions in nuclear emulsions] Ob odnom iz kriteriev otbora p-p - vzaimodeistvii v iadernykh emul'siiakh. Dubna, Ob''edinennyi in-t iadernykh issl., 1963. 5 p

PHOTOMETRY

Photometric determination of proteins in the cerebrospinal fluid K S.Kosiakov. Lab.delo no 6 337-339 '64

Photometric method of determining the ultraviolet activity of bactericidal lamps E.K.Baktin, A.A. Stetkevich. Trudy TomNIIVS 14·285-288 '63.

PHOTONS

Separation of lead and thallium from the products of bismuth photodisintegration. Amar Nat, A.K.Lavrukhina. Radiokhimiia 5 no.6: 732-736 '63.

Summing over states of polarization. A.E.Koval'chuk. Nek.probl.sovr fiz iadra i elem.chast. no.1:142-149 '57.

PHOTONS—SPECTRA

Photoequilibrium spectrum near the initial energy level. I IU.Krivskii, V.I.Lend'el Nek.probl.sovr.fiz.iadra i elem.chast. no 1 85-88 '57.

The "photon difference" method as applied to blocks of infinite thickness V A.Shkoda-Ul'ianov. Nek probl. sovr.fiz.iadra i elem.chast. no.1·55-59 '57.

Use of the avalanche theory in determining the integral cross sections of γn-reactions for medium and light elements. V A.Shkoda-Ul'ianov, V.I Lend'el, I.IU. Krivskii. Nek.probl.sovr.fiz.iadra i elem.chast. no.1:60-72 '57.

Use of the photon "equilibrium spectrum" in calculating the cross sections of γn-reactions from the neutron yield curves for heavy elements with the aid of the "photon difference" method. V.I.Gomonai and others Nek.probl.sovr.fiz iadra i elem.chast. no.1:79-84 '57.

Use of the photon equilibrium spectrum in determining the excitation function of neutron production by means of high energy electrons. V.A.Shkoda-Ul'ianov. Nek. probl sovr.fiz.iadra i elem.chast no.1·89-101 '57.

PHOTOPERIODISM

Diurnal activity of Dyromys nitedula Pall. P.K.Smirnov. Vest.LGU 19 no.9:125-127 '64.

Effect of temperature on the photoperiodic reaction of mustard, spring wheat, and oats. E.E.Krastina. Izv.TSKHA no.5:37-46 '63.

[illegible] (Continued)

[illegible] of the endo- [illegible] V.R. Dol'nik [illegible] 711 '64

[illegible] of gibberellin- [illegible] 453 Jl

[illegible]

[illegible] I. V. [illegible] ANS [illegible] 156

[illegible] CO_2 [illegible] '64

[illegible] stands [illegible] Report no. 2 [illegible] 3 432-433 '64

[illegible] and the function [illegible] O. P. Osipova [illegible] 574 '64

[illegible] effect of chlorophyll [illegible] fizika 8 no. 6 664- [illegible]

Nichiporovich, A. A. [Efficiency of a green leaf] KPD zelenogo lista. Moskva, Izd-vo "Znanie," 1964. 44 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia Biologiia, meditsina, no. 14)

PHTHALIC ACID

Analysis of phthalic acids by water extraction. I. V. [illegible]shina, V. I. Illiushin, N. A. Shevchenko. Izv. Sib otd. AN SSSR no. 8:68-77 '64.

PHTHALIC ANHYDRIDE

[illegible] of phthalic anhydride and [illegible] I. M. Rudnik. Sbor. rab [illegible] '64

PHTHALOCYANINES

[illegible] of the adsorbates of hemato- [illegible] leaf pigments and Mg- [illegible] A. N. Terenin, O. D. Dmitrievskii, [illegible] Biofizika 9 [illegible] 25-32 '64.

PHYLLOXERA—EXTERMINATION

Let us bar the way to Phylloxera. P. I. Litvinov, P. I. Korotkova. Zashch. rast. ot vred. i bol. 9 no. 6:43-44 '64

PHYLOGENY

Origin and development of concepts of the relationship between ontogeny and phylogeny prior to Darwin. V. I. Strelkovskii. Trudy Inst paleobiol AN Gruz SSR 8:3-27 '63

PHYSICAL EDUCATION AND TRAINING
(see also subdivision under White Russia)

In the physical education and training organizations. E. Sizyi. Teor. i prak. fiz. kul't. 27 no. 6:77-79 Je '64.

Moscow. TSentral'nyi nauchno-issledovatel'skii institut fizicheskoi kul'tury. [General physical preparedness, materials for exercises in the sections of general physical preparedness] Obshchaia fizicheskaia podgotovka, material dlia zaniatii v sektsiiakh obshchei fizicheskoi podgotovki. Moskva, Fizkul'tura i sport, 1964. 170 p.

Nauchno-prakticheskaia konferentsiia po fizicheskomu vospitaniiu, sportu, vrachebnomu kontroliu i lechebnoi fizicheskoi kul'ture, 1st, 1963. [Materials of the First Scientific and Practical Conference on Physical Education, Sports, Medical Inspection, and Exercise Therapy] Materialy. Pod red. M. R. Mogendovicha, R. V. Zueva i K. L. Gelkhmana. Perm', Permskoe otd-nie Vses. nauchno-med. ob-va po vrachebnomu kontroliu i lechebnoi fizicheskoi kul'ture, 1963. 78 p.
[DNLM MICROFILM]

Physical education and training and the all-round development of personality (to be concluded). G. I. Kukushkin. Teor. i prak. fiz. kul't. 27 no. 6:1-9 Je '64

PHYSICAL EDUCATION AND TRAINING—DICTIONARIES

From a dictionary to an encyclopedia. V. A. Starikov. Teor. i prak. fiz. kul't. 27 no. 6:74-76 Je '64.

PHYSICAL EDUCATION FOR CHILDREN

Aseev, G. M. [Discussions on health protection in lessons on physical culture in grades 5-8; materials for teachers and school physicians] Besedy po okhrane zdorov'ia na zaniatiiakh po fizicheskoi kul'ture v V-VIII klassakh; material dlia uchitelei i shkol'nykh vrachei. Moskva, TSentr. in-t sanitarnogo prosveshcheniia M-va zdravookhraneniia SSSR, 1964. 77 p.

Evaluation principles of the effect of stresses in the work of young athletes. R. E. Motylianskaia. Teor. i prak. fiz. kul't. 27 no. 6:25-29 Je '64.

Harmonious development of children as the guaranty of health and fruitful activity of the future builders of communism. S. IA. Chikin. Teor. i prak. fiz. kul't. 27 no. 6:9-14 Je '64

Let's improve the physical education of students. Nar obr no. 6 6-7 Je '64

Luchina, K. I., comp. [Collection of the most important official materials on the hygiene of children and adolescents] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigieny detei i podrostkov. Moskva, Meditsina, 1964. 376 p.

Physical training and physical preparedness of young track athletes, soccer and basketball players. R. P. Luk'ianova, N. I. Novoselova. Teor. i prak. fiz. kul't. 27 no. 6:38-41 Je '64.

Rational use of exercise during the training of adolescents in sports techniques. V. I. Shaposhnikova and others. Teor. i prak. fiz. kul't. 27 no. 6:30-32 Je '64.

What kind of physical education lesson is good? IU. Vinogradov. Nar obr no. 7 47-18 Jl '64

PHYSICAL EDUCATION FOR WOMEN

IAnanis, S. V. [Everyday gymnastics for women] Ezhednevnaia gimnastika dlia zhenshchin. Moskva, Fizkul'tura i sport, 1964. 80 p. (Gimnastika dlia vsekh)

PHYSICAL FITNESS

Normantas, Paulius. [Labor and physical culture] Darbas ir fizine kultura. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 124 p. [In Lithuanian]

PHYSICAL GEOGRAPHY
(see also subdivision under Australia; Crimea; Viljandi, Estonia)

Kozlov, I. V., comp. [Pictures of the nature of our motherland; reader on the physical geography of the U. S. S. R.] Kartiny prirody nashei Rodiny; kniga dlia chteniia po fizicheskoi geografii SSSR. Moskva, Izd-vo "Prosveshchenie," 1964. 271 p. illus.

PHYSICAL GEOGRAPHY—STUDY AND TEACHING

Content and methods of conducting comprehensive field practice in physical geography with correspondence students. N. S. Bevz. Izv. Vor. gos. ped. inst. 37:59-70 '61.

PHYSICAL INSTRUMENTS

Two physical instruments. G. Popov, V. Klepikov. Shkola i proizv. 8 no. 5 80-82 My '64

PHYSICAL METALLURGY

Moscow. Institut metallurgii im. A. A. Baikova. [Investigating metals in the liquid and solid states; on the 80th anniversary of the birth of Academician Ivan Pavlovich Bardin] Issledovaniia metallov v zhidkom i tverdom sostoianiiakh; k 80-letiiu so dnia rozhdeniia akademika Ivana Pavlovicha Bardina. Moskva, Izd-vo "Nauka," 1964. 277 p.

PHYSICAL METALLURGY—CONGRESSES

Third seminar in the department of physicotechnical problems in the study of materials at the Academy of Sciences of the Ukrainian S. S. R. A. P. Epik. Metalloved. i term. obr met. no. 2:61-63 F '64.

PHYSICAL THERAPY

Obrosov, A. N., ed. [Manual of physiotherapy for practicing physicians] Spravochnik prakticheskogo vracha po fizioterapii. Izd. 2., perer. i dop. [Leningrad] Meditsina, 1964. 312 p.
(DNLM)

PHYSICS—PHILOSOPHY

Glagolev, V. F. [Dialectical materialism and certain problems of contemporary physics] Dialekticheskii materializm i nekotorye voprosy sovremennoi fiziki. [n. p.] Rosvuzizdat, 1963. 44 p.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Bukhovtsev, B. B., and others. [Problems in elementary physics, textbook for self-education] Sbornik zadach po elementarnoi fizike, posobie dlia samoobrazovaniia. Moskva, Izd-vo "Nauka," 1964. 438 p.

PHYSICS—STUDY AND TEACHING

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh (smennykh) i zaochnykh srednikh shkol. [Improving the methods of teaching physics in evening schools] Sovershenstvovanie metodov obucheniia fizike v vechernikh shkolakh. Pod red. L. I. Nikerovoi i V. V. Lisovskogo. Moskva, Izd-vo "Prosveshchenie," 1964. 102 p. (Pedagogicheskie chteniia)

Lecture demonstration of Young's experiment. IA. E. Amstislavskii. Usp. fiz. nauk 83 no. 3:571-573 Jl '64.

PHYSIOLOGICAL APPARATUS

Simplified model of an automatic device for the study of motor defensive conditioned reflexes. G. I. Mil'shtein, S. V. Panov. Zhur. vys. nerv. deiat. 13 no. 6 1105-1107 N-D '63

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY

Significance of dynamic programming and the theory of games for physiology. P. I. Chulkov. [illegible] no. 3:177-189 '62.

Vvedenskii, N. E. [Complete collected works] Polnoe sobranie sochinenii. Leningrad, Izd-vo Leningr. univ.
Vol. 7. [Obituaries, articles, essays, abstracts, reports and communications, addresses at sessions of scientific societies, reviews of scientific papers; 1870-1920] Nekrologi, stat'i, ocherki, referaty dokladov i soobshchenii, vystupleniia na zasedaniiakh nauchnykh obshchestv, otzyvy o nauchnykh rabotakh, 1870-1920 gg. 1963. 193 p.

PHYSIOLOGY—CONGRESSES

Third Volga Valley Conference of Physiologists, Biochemists and Pharmacologists. [illegible] N. [illegible] vys. nerv. deiat. 13 no. 6 1108-1110 N-D '63

PHYSIOLOGY, PATHOLOGICAL—CONGRESSES

Second Transcaucasian Conference of Pathophysiologists. A. A. Sarkisian, S. A. [illegible] Pat. fiziol. i eksp. terap. 7 no. 6 82-83 N-D '63

PHYSIOLOGY, PATHOLOGICAL—STUDY AND TEACHING

Raise the teaching of pathological physiology to a contemporary level. S. M. Pavlenko. Pat. fiziol. i eksp. terap. 7 no. 6 84-87 N-D '63

PHYTOGEOGRAPHY see subdivision under Perm Province; Siberia, Western; Vologda Province; West Siberian Plain

PHYTONCIDES

Antimicrobial substances of germinating plant seeds. A. V. Tul'chyns'ka. Pratsi Od. un. 150 [illegible] no. 8:131-133 '60.

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPHTHORA

Infructescence ability and susceptibility to Phyt[illegible] of tomato hybrid fruits in the year of crossing. A. M. Gorobets, L. V. Pirozhnaia. Vest. IAID 18 no. [illegible] '64.

PHYTOPLANKTON see subdivision under Dnieper River; Indian Ocean

PIECEWORK

Output schedule in the piecework-bonus wage system. I. Kriachkov. Ekon. sel'khoz. 35 no. 1:104-108 Ja '64.

PIEZOELECTRICITY

Sinani, I. B. [From experience in the construction of piezoelectric devices for the measurement of vibrations; verbatim record of a lecture delivered at the Leningrad House of Scientific and Technical Information in September, 1963] Iz opyta konstruirovaniia p'ezoelektricheskikh priborov dlia izmereniia vibratsii; stenogramma lektsii, prochitannoi v LDNTP v sentiabre 1963 g. Leningrad, 1964. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Kontrol' kachestva produktsii)

Study on the piezoeffect in polymethyl metacrylate. N. M. Kocharian, Kh. B. Pachadzhian. Dokl AN Arm SSR 36 no. 5,277-279 '63

PIKAS see subdivision under Trans-Ili Alatau

PIKE see subdivision under Tsimlyansk Reservoir

PILING (CIVIL ENGINEERING)

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno- [illegible] svaiakh v zhilishchnom stroitel'stve; iz opyta tresta "Riazan'zhilstroi." Moskva, Gosstroiizdat, 1963. 40 p.
[MICROFILM]

Dynamic calculation of the force in piling shells during vibration sinking. V. M. Gol'dshtein. Osn., fund. i mekh. grun. 6 no. 3:14-15 '64.

Resistance of piling and sheet piles to vibration extraction. M. Paunescu. Osn., fund. i mekh. grun. 6 no. 3 28-30 '64.

Study of resilient bollards. V. M. Isai. Trudy Otd energ Dag. fil. AN SSSR 1 no. 1:45-49 '62.

Theoretical and experimental study of pier structures subject to the action of horizontal forces. V. M. Isai. Trudy Otd. energ. Dag. fil. AN SSSR 1 no. 1:35-44 '62

PILOT BALLOONS see Balloons, Pilot

PILOTS AND PILOTAGE see subdivision under Norway

PINE
(see also subdivision under Archangel Province; Borovskoye region, Kustanay Province; Dnieper Valley, Georgia; Ob' Valley; Ural Mountain region)

Care for pine plantations in sands. N. L. Berkhol'ts. Nauk. pratsi Nyzhn'odnipr. nauk.-doslid. sta. po zalis. pisk. i vyn. na pisk. no. 9 13-31 '61.

PINE (Continued)

Composition of the air of peat soils and its effect on the growth of pine plantations. B.V. Babikov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6:14-19 '63.

Rosin acids in the oleoresin of Pinus sibirica R. Mayr. N.K. Kashtanova, V.A. Pentegova. Izv. Sib otd AN SSSR no. 3:121-123 '62.

PINE, FOSSIL see subdivision under Abkhazia

PINK SALMON see subdivision under Barents Sea; White Sea

PINNIDAE, FOSSIL

Ecology of the genus Pinna. K.G. Tatishvili. Trudy Inst. paleobiol. AN Gruz. SSR 8:103-108 '63.

PIONEERS (COMMUNIST YOUTH)

Summer of the Pioneers. V. Strunin Nar obr no. 6 65-69 Je '64

Teachers, Pioneers and Junior Pioneers. I. Maiorova, O Sorotskaia, V. Furmaniuk Nar. obr. no 7 70-74 Jl '64.

PIONEERS (COMMUNIST YOUTH)—PERIODICALS

Fortieth anniversary of "Vozhatyi." A. IAkovleva Nar obr. no 6.109-110 Je '64.

PIPE

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

Pt. 3. Sec. D. ch. 2. [Bridges and pipes; regulations for the work organization, execution of work, and acceptance of completed work] Mosty i truby; pravila organizatsii i proizvodstva rabot, priemka v ekspluatatsiiu (SNiP III-D, 2-62) 1964. 86 p.

PIPE—FLUID DYNAMICS

Heat transfer from fluid flow in pipes with heavy packing. A. M. Sycheva, N. N. Egorov. Khim. i tekh topl i masel 9 no. 6:14-18 Je '64.

PIPE—WELDING

Electric resistance welding of 720, 144 and 159mm pipes. O. L. Mirovich. Stroi. truboprov. 8 no. 11:17-18 N '63.

Gubin, A. I., and A. M. Kitaev. [Welding and soldering thin-walled pipes] Svarka i paika tonkostennykh truboprovodov. Moskva, Mashinostroenie, 1964. 110 p.

Nikitel'd, I. E. [Quality control of the welding of main pipes by radioscopy] Kontrol' kachestva svarki magistral'nykh truboprovodov prosvechivaniem. Moskva, Izd-vo "Nedra," 1964. 96 p.

PIPE, ASBESTOS-CEMENT

Equipment for assembling asbestos cement and concrete pipes in trenches. B. M. Gershkovich, V. I. Tarasov. Stroi. i dor. mash. 8 no. 12:17-19 D '63.

New method for cutting into asbestos-cement gas pipelines V. V Tarkhanov, N. A. Astaf'ev. Gaz. delo no 4 16-20 '64.

PIPE, CONCRETE

Centrifuges for producing reinforced concrete pipes. L. A. Volkov. Stroi. i dor. mash. 8 no. 12:24-27 D '63.

Equipment for assembling asbestos cement and concrete pipes in trenches. B. M. Gershkovich, V. I. Tarasov. Stroi. i dor. mash. 8 no. 12:17-19 D '63.

PIPE, PLASTIC

Recent data on the use of plastics to protect metal structural elements from corrosion in the oil and gas industry abroad. B. I. Losev, M. L. Monina. Gaz. delo no. 5:22-27 '63.

Using polyethylene pipes for hot-water supply. I.A. Goriachova, M.M. Sapozhnikov. Nauch. trudy AKKH no. 18:189-210 '62.

PIPE, STEEL

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. [Safety measures in loading, unloading, stacking, and transporting steel pipes and sections] Tekhnika bezopasnosti pri razgruzke, pogruzke, ukladke i perevozke stal'nykh trub i sektsii. Moskva, Izd-vo "Nedra," 1964. 70 p.

Nomographs for calculating steel pipelines. A.S. Moskvitin, IA. P. Gol'denbaum. Stroi. truboprov. 8 no. 11:35-36 N '63.

PIPE BENDING

Bending stainless steel pipes. Mashinostroenie no. 1: 110-113 Ja-F '64.

PIPE CUTTING

Pneumatic clamping of pipes in cutting. IU. A. Vaizovoi. Mashinostroitel' no. 5:20 My '64.

PIPE FITTING

Experience in fitting new pipelines into those already in operation. Ch. F. Biktashev. Transp. i khran. nefti no. 3:10-11 '63.

PIPE FITTINGS—STANDARDS

Russia (1923- [illegible] [Pipe fittings of malleable cast iron and steel [illegible] for [illegible]] Soedinitel'nye [illegible] iz kovkogo [illegible] Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964 71 p. (SSSR Gos [illegible])

PIPE MILLS

Dependence of changes in the thickness of pipe walls during their reduction on the toughness and plasticity (hardening) of the metal V V Shveikin, P N Ivshin Izv vys ucheb zav, chern met 7 no 6 92-96 '64

PIPELAYING MACHINERY

Equipment for assembling asbestos cement and concrete pipes in trenches. B. M. Gershkovich, V I Tarasov Stroi. i dor. mash. 8 no 12.17-19 D '63.

PIPELINE TRANSPORTATION OF SOLIDS see Pneumatic conveying

PIPELINES

(see also subdivision under Zaporozh'ye Province)

Calculating allowable pipeline span according to stability. E.L. Aksel'rad. Stroi. mekh. i rasch. sooruzh. 5 no. 6: 34-37 '63

Nomographs for calculating steel pipelines. A.S. Moskvitin, IA. P. Gol'denbaum. Stroi. truboprov. 8 no. 11:35-36 N '63.

Preparing ground for trench digging in the winter. IU. Khesin. Stroi. truboprov. 8 no. 11:33-34 N '63.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 7 Jl '64.

PIPELINES—CATHODIC PROTECTION

(see also subdivision under Krasnodar)

Constant monitoring of the insulation of underground gas mains R R. Ter-Oganesian. Gaz prom 7 no 4 43-47 '62

Effect of the distance between a pipeline and grounding on the size of the cathodic protection zone. V F. Vysotskii Zashch. trub. ot kor no 5:69-73 '62

Engineering method for calculating the corrosion danger for underground metal pipelines when they are intersected by the rail networks of electric railroads. M. A. Suris. Gaz. delo no. 5:16-22 '64.

Potential distribution along a pipeline protected by two adjacent cathode units with consideration of the polarized resistance. N. P Glazov Gaz. delo no. 4.21-25 '64

PIPELINES—CLEANING

Automatic traps. Stroi. truboprov. 8 no. 11:37-39 N '63.

PIPELINES—CORROSION

Methods and instruments for measuring the thickness of anticorrosion coatings L. IA TSikerman Zashch trub ot kor no. 5.17-26 '62

Protecting metal pipelines against corrosion in atmospheric conditions with polymer-cement paints. V S Artamonov, L. M. Nebratenko. Zashch trub ot kor. no 5 26-37 '62.

Some methods for protecting hot water pipes from corrosion. D. G. IAkovlev. Elek sta 35 no. 4.34-36 Ap '64.

PIPELINES—SAFETY MEASURES

Lazintsev, D. N. [Safety engineering in laying and repairing pipes in chemical plants] Tekhnika bezopasnosti pri montazhe i remonte truboprovodov v khimicheskikh proizvodstvakh. Moskva, Izd-vo "Khimiia," 1964. 64 p. (Pamiatka po tekhnike bezopasnosti)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. [Safety measures in cleaning, insulating, and laying pipelines] Tekhnika bezopastnosti pri ochistke, izoliatsii i opuskanii truboprovodov. Moskva, Izd-vo "Nedra," 1964. 46 p.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. [Safety measures in loading, unloading, stacking, and transporting steel pipes and sections] Tekhnika bezopasnosti pri razgruzke, pogruzke, ukladke i perevozke stal'nykh trub i sektsii. Moskva, Izd-vo "Nedra," 1964. 70 p.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. [Safety measures in preparing the route for the construction of pipelines] Tekhnika bezopastnosti pri podgotovke trassy k stroitel'stvu truboprovodov. Moskva, Izd-vo "Nedra," 1964. 53 p.

PIPERAZINE—PHYSIOLOGICAL EFFECT

Effect of diethylenediamine cobalt iodide on coronary circulation. L. S. Chkhikvishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:451-456 '63.

PIPERIDONE—OPTICAL PROPERTIES

Dispersion of the optical rotation of 2, 2-dimethyl-6-phenyl-4-piperidone. V. M. Potapov, A. P. Terent'ev, L. I. Serova. Dokl. AN SSSR 157 no. 2:420-421 Jl '64.

PIPRADROL

Effect of pyridrol on the conditioned reflex activity in dogs. A. IA. Mekhedova. Zhur. nevr. i psikh. 64 no. 5: 771-777 '64.

PIRCIUPIS (LITHUANIA)—RURAL CONDITIONS

Jezepcikas, Jonas, and Domas Staselis. [A village risen from the ashes] Is pelenu pakiles kaimas. Vilnius, Leidykla "Mintis," 1964. 38 p. [In Lithuanian]

PISAREV, DMITRII IVANOVICH, 1840-1868

The forming of D. I. Pisarev's materialist views. A. N. Golubev Nauch. dokl. vys shkoly, filos nauki 7 no. 2 77-85 '64

PISOLITE see subdivision under Abkhazia

PISTON RINGS

Apparatus for measuring the radial pressure diagrams of piston rings. S K Nosov Trakt i sel'khozmash no 6 41-42 Je '64

PISTONS

Investigating the unsteady motion of the piston of a pneumatic device. E. V. Gerts, G. V. Kreinin. Izv. AN SSSR. Mekh. i mashinostr. no. 3:158-161 My-Je '64.

PITUITARY BODY

Distribution of polonium -210 in the hypophysis, thyroid and parathyroid glands of rats A. V Tkachev Radiobiologiia 3 no 6.877-879 '63.

Some structural and histochemical changes in the hypophysis and ovaries of mice following synestrol injection. L F. Gachechiladze. Soob. AN Gruz. SSR 34 no. 1.181-188 Ap '64.

PITUITARY BODY—DISEASES

Hypophysial and adrenal system in neurasthenias and hysterias. V. T Bakhur Zhur. nevr. i psikh. 64 no 5 735-744 '64.

PITUITARY BODY—INNERVATION

Experimental analysis of the functional role of neurohypophyseal capillaries. I. G. Akmaev. Dokl. AN SSSR 156 no. 2:441-443 My '64.

PIVALOPHENONE

Mechanism of the isomeric transformation of ketones. Part 2 Action of 72% chloric acid on pivalophenone containing C^{14} in carbonyl T B Remizova, T E Zalesskaia. Zhur. ob khim 34 no 5 1395-1390 My '64

PLACENTA

Phosphatases in the human placenta. I. I. Sharov. Biul. eksp. biol. i med. 56 no. 8:64-68 Ag '63.

PLACER DEPOSITS

Zubrev, I. N., and A. K. Savel'ev. [Geology and prospecting for placer deposits, 1962] Geologiia, poiski i razvedka rossypnykh mestorozhdenii, 1962. 125 p. (Itogi nauki)

PLAGIOCLASE—ELASTIC PROPERTIES

Elastic properties of plagioclases. T. V Ryzhova. Izv. AN SSSR, Ser. geofiz. no. 7:1049-1051 Jl '64.

PLAGIOCLASE—OPTICAL PROPERTIES

Basic methods of using optics to determine plagioclases. S. I. Balasanian. Dokl. AN Arm. SSR 36 no. 5.289-292 '63.

PLAGUE

(see also subdivision under Krighizistan)

Epizootiological role of mixed rodent colonies at the junction of the landscapes of the original seashore and the young coastal plain. A. A. Lavrovskii. Zool. zhur. 43 no. 1:98-107 '64.

Mobility of greater gerbils (Rhombomys opimus) and its epizootiological role in compact colonies in the northern desert (southern Balkhash region). A. S. Burdelov, E. P Bondar', V I. Zhuravleva. Zool. zhur. 43 no. 1:115-124 '64.

PLANING HULLS

Calculating load distribution along the submerged hydrofoil span. A. M. Panchenkov, V. O. Stepanov. Prykl. mekh. 10 no. 2:173-180 '64.

Theory of the lifting line of a hydrofoil with arbitrary shape in shallow water. G. A. Goshev. Izv. AN SSSR. Mekh. i mashinostr. no. 3:29-38 My-Je '64.

PLANING MACHINES

Performance efficiency of abrasive wheels in sharpening planing knives. K. I. Dem'ianovskii, V. D. Dunaev. Der. prom. 13 no. 3:9-12 Mr '64.

PLANKTON see subdivision under Atlantic Ocean; Norwegian Sea; Sevan, Lake

PLANT CELLS AND TISSUES

Current drift through plant tissue. I. Z. Lazarev. Biofizika 9 no. 1:86-93 '64.

Determination of the number of cells by Brown's method. N. V. Obrucheva. Fiziol. rast. 11 no. 3:551-552 '64.

New experimental data supporting the adsorption theory of the cellular permeability of higher plants. H. V. Udovenka. Vestsi AN BSSR, Ser. biial. nav. no. 3:24-32 '63.

Yearly changes in the osmotic pressure of cell sap and protoplasma viscosity in some evergreens growing in the Batum Botanical Garden. N. M. Sharashidze. Izv. Bat. bot. sada no. 12:75-85 '63.

PLANT COMMUNITIES

(see also subdivision under Ob' Valley)

Interrelation between phytocenosis components. A. M. Hrodzins'kyi. Ukr. bot. zhur. 21 no. 3:3-11 '64.

PLANT [illegible]

[illegible] p.eamidil [illegible] N A F [illegible] I P [illegible] 31 33-42

PLANT [illegible]

[illegible] ase and perox- [illegible] under [illegible] Zo [illegible] Dokl AN [illegible] practice M.V [illegible] Biol, poch 18 [illegible]

PLANT INTRODUCTION see subdivision under Latvia

PLANT LIFE see subdivision under Tien Shan, [illegible]

PLANT PHYSIOLOGY

[illegible], K. E. [Vitamins in plants] Vitaminy rastenii. Moskva, Izd-vo "Kolos," 1964. 245 p.
(DNAL)

PLANT PHYSIOLOGY—RESEARCH see subdivision under [illegible]

PLANTERS (AGRICULTURAL MACHINERY)

[illegible] sowing machines I. A [illegible] Tr [illegible] sel'khozmash no 6 21-24 Je [illegible]

[illegible] for belt surface sowing and soil packing. [illegible] Tr [illegible] TSel sel'khoz inst 1 165-172 [illegible]

[illegible] cotton close-hill-drop planter. M. Mekhtiev. [illegible] sel'khoz 35 no 1 63-64 Ja '64.

PLANTING TIME see subdivision under Archangel Province, Dnieper Valley; Kabardino-Balkar A.S.S.R.

PLANTS—ABSORPTION OF WATER

[illegible] of water by the roots of plants treated with [illegible] G M Grineva Fiziol rast 11 [illegible] 442-447 '64

[illegible] of dicarboxylic acids and [illegible] suction ability of plants K P Petrov [illegible] rast 11 [illegible] 531-534 '64

PLANTS—CHEMICAL ANALYSIS
(see also subdivision under Soviet Far East)

Biochemical study of some algal species M. V. Pakhomova Biul MOIP. Otd. biol 69 no 3:110-126 My-Je '64

Dependence of the viability of female inflorescences of [illegible] upon their position on the stem. T D Vesolova Vest Mosk un Ser 6 Biol , pochv 18 no. 3 47-58 My-Je '63

Dynamics of colchicine accumulation in Colchicum speciosum Stev. and Colchicum laetum Stev. in their cultivation in the Moscow region. V. M Salo. Apt. delo 12 no. 2.40-43 Mr-Ap '63.

Effect of the improvement of the Baraba saline meadows on changes in the chemical composition of forage grasses K P. Volgina, T A. Vagina. Trudy TSSBS no. 6 183-187 '63

Formation and transformation of acids of primary sugar oxidation in plants S V Soldatenkov, O D Bykov Fiziol rast 11 no 3 515-521 '64

Improvement of the method of determining carotene in plants and feeds. S. K. Karapetian, V. A Vartanian, R. G. Balasanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9 3-8 S '63.

Photocolorimetric determination of phosphorus in vegetable material by the use of phosphomolybdovanadic heteropolyacid. A. G. Aleksandrova. Izv. Sib. otd. AN SSSR no. 6:108-110 '62.

Simplified paper chromatographic determination of hexachlorocyclohexane from plants G A Odumanova-Duraeva Fiziol rast 11 no 3 549-550 '64

PLANTS—DISEASE AND PEST RESISTANCE

Survival of leaf-eating insect pests as related to the condition of the plant. N E Kononova Zool. zhur. 43 no 1 37-42 '64

PLANTS—DROUGHT RESISTANCE
(see also subdivision under Tiflis region)

Experiments on the presowing drought hardening of plants conducted under farm conditions. P A Genkel', K L Mart'ianova I S Zubova Fiziol rast 11 no 3 538-543 '64

Formation of the drought resistance properties of apple tree leaves during their growth under the effect of external conditions L. A Filippov Fiziol rast. 11 no 3 528-531 '64

Water metabolism and the degree of drought resistance in some fruit trees. M D Kushnirenko. Fiziol rast. 11 no 3:487-495 '64

PLANTS—FROST RESISTANCE

"Cold resistance of corn" by D. F. Protsenko, P. S. Mishustina Reviewed by A M Kokukh Fiziol rast 11 no 3 554-556 '64

Developing the wintering forms of oilseed flax by means of controlled conditioning. N. K. Shimanskii. Agrobiologiia no. 3:461-464 My-Je '64.

Dynamics of the accumulation of starch in the shoots and roots of an apple tree as related to the winter hardiness and grafting compatibility in Transbaikalia I. F Gavrisheva Agrobiologiia no 3:432-436 My-Je '64.

Frost resistance and the rate of growth of young willows in Sverdlovsk V I Shaburov Trudy Inst biol UFAN SSSR no 31 33-37 '63

PLANTS—METABOLISM

Activity of catalase and peroxidase in plants treated with gibberellin V A Raspevin. Fiziol rast 11 no 3 534-537 '64

Anthocyanins and flavones during the oxidation of ascorbic acid in plants P A Kolesnikov, S. V Zore Fiziol. rast 11 no 3 522-528 '64.

Effect of the intensity of light during the formation period of the sexual elements of the generative organs on the accumulation of dry matter and the carbohydrate metabolism in spring wheat. V A. Kudriavtsev, V. M Pastukova Trudy TSel. sel'khoz. inst. 1:79-85 '63.

PLANTS—NUTRITION

Use of ion exchangers in soil and agrochemical studies. A. V Peterburgskii. Pochvovedenie no 6:60-68 Je '64.

PLANTS—REPRODUCTION

Effect of the intensity of light during the early stages of tomato development on the formation of their reproductive organs E. P. Veden'kov. Trudy TSel. sel'khoz. inst 1,87-100 '63

Natural reproduction of the sweet cherry Cerasus avium (L) Moench in the forests of western regions of the Ukrainian S. S. R V. K. M'iakushko. Ukr. bot. zhur 21 no. 3:56-70 '64.

PLANTS—RESPIRATION

Respiration of plant roots under the conditions of different aeration. T. V. Chirkova. Vest. LGU 19 no. 9:127-130 '64.

PLANTS—TRANSPIRATION

Interdependence between the transpiration in leaves and fruit A A Prokof'ev, K M Kats Fiziol rast. 11 no 3 448-456 '64

PLANTS—WATER REQUIREMENTS

Dependence of the state of water in wheat roots on nitrogen metabolism in them L. Kh. Gordon. Fiziol. rast 11 no 3 457-463 '64

PLANTS, CULTIVATED

Lesnichii, P. S. [In nature's workshop; notes of an experimenting agronomist] V masterskoi prirody; zapiski agronoma - opytnika Moskva, Izd-vo "Kolos," 1964. 78 p.
(DNAL)

[Plant culture] Ref. zhur. · Rast. no. 13 Jl '64.

PLANTS, EDIBLE see subdivision under Chukchi Peninsula.

PLANTS, EFFECT OF AMMONIA ON

Effect of ammonia on photosynthesis. Report No. 2 Distribution of C^{14} among various compounds. N S Silanova. Fiziol. rast 11 no 3 432-435 '64

PLANTS, EFFECT OF ANTIBIOTICS ON

Application of antibiotics in controlling bacterioses of plants. T. M. Simych. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:135-136 '60.

Use of antibiotics in phytopathological practice. M. V. Gorlenko. Vest Mosk. un. Ser. 6: Biol , pochv. 18 no. 3.10-17 My-Je '63.

PLANTS, EFFECT OF CHLOROMYCETIN ON

Absorption of water by the roots of plants treated with chloramphenicol. G M Grineva. Fiziol rast 11 no 3.442-447 '64.

PLANTS, EFFECT OF COPPER ON

Effect of various doses of copper and various other microelements on some physiological processes and morphological characters of barley plants. M. D. Minchankava. Vestsi AN BSSR. Ser. biial. nav. no. 3:42-50 '63.

PLANTS, EFFECT OF GAMMA RAYS ON

Effect of continuous gamma irradiation on the biomass of freshwater algal periphyton. E. A. Gileva, N. A. Timofeeva, N. V. Timofeev-Resovskii. Dokl. AN SSSR 156 no. 2:455-458 My '64.

Effect of instantaneous gamma and fast neutron irradiation of cuttings on the growth, development and morphological variability of the Vladimirovka cherry. G. N. Imamaliev. Radiobiologiia 3 no. 6: 909-914 '63.

PLANTS, EFFECT OF GASES ON

Indices of the gas resistance of woody plants; according to research in Krasnoural'sk V. S. Nikolaevskii. Trudy Inst biol. UFAN SSSR no. 31·59-79 '63.

PLANTS, EFFECT OF IRON ON

Iron accumulation in leaves as a function of age. E. E. Khavkin. Dokl. AN SSSR 156 no. 2:474-477 My '64.

PLANTS, EFFECT OF LIGHT ON

Aftereffects of powerful light impulses on the stability of photosynthetizing apparatus. T. N. Godnev, E. V. Khodasevich, N. K. Akulovich. Dokl. AN SSSR 156 no. 2:471-473 My '64.

Effect of illumination by different fluorescent [illegible] the accumulation of chlorophyll a and b and [illegible] changes in the plastid apparatus of onion le [illegible] Kakhnovich. Vestsi AN BSSR Ser. biial. nav. [illegible] 64-68 '63.

Effect of light intensity on photostability and the [illegible] of the photosynthetic apparatus of plants. [illegible] N. I. Ashur Fiziol. rast 11 no. 3 366-374 '64

Effect of light intensity on the accumulation of [illegible] and carbohydrate metabolism in tomatoes [illegible] driavtsev Fiziol. rast 11 no 3,409-416 '64

Effect of light on the growth and nitrogen fixation [illegible] blue-green algae Muhammad Sameh [illegible] rast 11 no. 3 424-431 '64.

Effect of light on the process of vernalization in [illegible] barley N M Fedulova. Sbor nauch. rab. [illegible] issl. inst. sel'. khoz no. 6:130-133 '61

Effect of orchard shelterbelts on the light con [illegible] the germination of black currants. V. [illegible] rlakova. Sbor. rab. Mosk. gidromet. obser [illegible] 122 '63.

Effect of the intensity of light during the early stages [illegible] tomato development on the formation of their [illegible] tive organs. E. P. Veden'kov. Trudy TSel sel'khoz inst 1:87-100 '63.

Effect of the intensity of light during the format[illegible] period of the sexual elements of the generative organs on the accumulation of dry matter and the carbohydrate metabolism in spring wheat. V. A. Kudriavtsev, V. M Pastukhova. Trudy TSel. sel'khoz. inst [illegible]

Effect of visible and infrared radiation on the [illegible] development of radishes. I. A. Shul'gin. [illegible] 11 no 3 398-408 '64.

Nature of the development of cotton varieties [illegible] under various light conditions. Z. M [illegible] Agrobiologiia no. 3:369-373 My-Je '64

PLANTS, EFFECT OF METALS ON

Effect of calcium, potassium, and sodium compounds on the accumulation of strontium-90 in crops. E. V IUdintseva, E. M. Levina. Izv. TSKHA no. 5:106-12[illegible] '63.

PLANTS, EFFECT OF NEUTRONS ON

Effect of instantaneous gamma and fast neutron irradiation of cuttings on the growth, development and morphological variability of the Vladimirovka [illegible] G. N Imamaliev. Radiobiologiia 3 no. 6 909-914 '63

PLANTS, EFFECT OF NITROGEN ON

Dependence of the state of water in wheat roots [illegible] nitrogen metabolism in them L. Kh. Gordon [illegible] rast. 11 no. 3:457-463 '64

Determining the nitrogen fertilizer requirements [illegible] plants in the Chernozem soils of Siberia A [illegible] gin. Sbor. nauch. rab. Sib. nauch. -issl. inst sel' [illegible] no. 6,3-9 '61.

Effect of ammonia and nitrate nutrition on the develop[illegible] ment and yield of cotton under the conditions of [illegible] water supply. A. A. Umarov, G. I. IArovenko [illegible] biol. zhur. 7 no. 1:17-19 '63.

PLANTS, EFFECT OF ORGANIC ACIDS ON

Determination of the effect of dicarboxylic acids [illegible] inhibitors on the suction ability of plants. K. P. [illegible] Fiziol. rast. 11 no. 3:531-534 '64.

PLANTS, EFFECT OF PHOSPHORUS ON

Change in the indices of water balance in leaves of the 108-F cotton in relation to the dose of phosp[illegible] nutrition. Kh. Samiev. Uzb. biol. zhur. 7 no. [illegible] '63.

Effect of phosphorus nutrition on the fractional and aminoacetic composition of proteins in beans. [illegible] Suan Khkai, B. P. Pleshkov. Dokl. AN SSSR 157 [illegible] 478-481 Jl '64.

Uptake of radioactive phosphorus (p^{32}) by winter pla[illegible] during low-temperature hardening. T. T. Higiro[illegible] Fiziol. rast. 11 no. 3:480-486 '64.

PLANTS, EFFECT OF RADIATION ON

Some characteristics of the biological effect of radiation N. N. Nazirov. Uzb. biol. zhur. 7 no. 1:5-16 '63.

PLANTS, EFFECT OF RADIUM ON

Distribution of the radium absorbed from the soil in plants O N. Popova, R. P. Kodaneva, P. P. Vavilov Fiziol rast. 11 no. 3:436-441 '64

PLANTS, EFFECT OF SALTS ON

"Physiology of the adaptation of cultivated plants to soil salinization" by G. R. Matukhin. Reviewed by V A Solov'ev. Fiziol. rast. 11 no. 3,553 '64.

PLANTS, EFFECT OF STRONTIUM ISOTOPES ON

Effect of calcium, potassium, and sodium compounds on the accumulation of strontium-90 in crops. E. V. IUdintseva, E. M. Levina. Izv. TSKHA no. 5:106-120 '63.

PLANTS, EFFECT OF TEMPERATURE ON

Changes in the characters of cotton hybrids under the effect of conditioning and the selection of seedlings at lower temperatures. O. V. Kratirov. Agrobiologiia no. 3:379-385 My-Je '64.

PLANTS, EFFECT OF TEMPERATURE ON (Continued)

Effect of temperature on the photoperiodic reaction of mustard, spring wheat, and oats. E.E.Krastina. Izv.TSKHA no.5:37-46 '63.

Uptake of radioactive phosphorus (p^{32}) by winter plants during low-temperature hardening T T Biglov Fiziol rast 11 no 3 480-486 '64.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of supplementary foliar feeding with trace elements on the productivity and yield quality of wild forage plants. K.N.Kerefov, M.Sh.Makoev. Uch.zap.Kab.-Balk.gos. un no.18:37-43 '63.

Effect of various doses of copper and various other microelements on some physiological processes and morphological characters of barley plants. M.D.Minchankava. Vestsi AN BSSR.Ser.bilal.nav. no.3:42-50 '63

Iodine and cobalt assimilation by vegetables in foliar feeding with salt solutions of various concentration. M V.TSiarients'eva, T.IA.Lobach. Vestsi AN BSSR. Ser.bilal.nav. no.3 59-63 '63.

Relation of the copper and manganese content in beans to their color. T.S.Samofal. Vop.pit. 22 no 6 70-74 N-D '63

PLANTS, EFFECT OF UREA ON

Phenomena accompanying a chlorella culture when grown on urea. H.M Palamar-Mordvyntseva, N.V Kostlan. Ukr.bot.zhur. 21 no.3:36-42 '64.

PLANTS, EFFECT OF X RAYS ON

Recent data on the morphology of the inflorescence of the species Cosmea bippinatus under the influence of X rays. N.P.Beglarian. Izv.AN Arm.SSR.Biol.nauki 16 no.2:53-58 F '63.

PLANTS, PROTECTION OF

(see also subdivision under Poland)

Brief information. A.P.En'kova and others. Zashch. rast.ot vred.i bol. 9 no.6:46, 50-53 '64.

Local news. Zashch.rast.ot vred.i bol. 9 no.6:58-60 '64.

Protection of plants V.Glukhov, V.Kovalenko. Voen znan. 40 no 6-24-25 Je '64

Questions and answers. M.I.Il'inskaia and others. Zashch.rast.ot vred.i bol 9 no.6:39-40 '64.

Svikis, J., and A.Tomiseva. [Mechanization of the protection of plants] Augu aizsardzibas darbu mehanizacija. Riga, Latvijas Valsts izd-ba, 1963. 167 p. (Lauksaimniecibas mehanizatora biblioteka) [In Latvian]
(DNAL)

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, PROTECTION OF—CONGRESSES

At the session of the All-Union Academy of Agricultural Sciences. Zashch.rast.ot vred.i bol. 9 no.6:55-58 '64.

PLANTS, SPACE ARRANGEMENT OF

Productivity and physiological characteristics of corn in various space arrangements and under intensified fertilization. P.M.Baranovskii, G.M.Titev, E.A. Amantaev. Vest.sel'khoz.nauki [Kazakh.] 7 no.2:30-35 F '64.

Statistical method of determining the crown closure in natural stands. A.S.Tikhonov. Izv.vys.ucheb.zav.; les.zhur. 6 no.6:162-163 '63.

PLANTS AS INDICATORS see Indicator plants

PLASMA (IONIZED GASES)

Excitation of a plasma wave guide by a coaxial line. S.S. Kalmykova. Ukr.fiz.zhur. 9 no.2:216-218 F '64.

Injection of an electron beam into plasma in a strong magnetic field. I E Sakharov, I F Liventseva Radiotekh.i elektron. 9 no.5:838-843 My '64.

Interaction between an expanding plasma filament and an external magnetic field. V.I.IAkovlev. PMTF no.6: 141-143 N-D '63.

Raleigh - Taylor instability in a conical plasma accelerator. R.Kh.Kurtmullaev, IU.E.Nesterikhin, A.G. Ponomarenko. PMTF no.6:144-146 N-D '63.

Retardation of and energy transformations in a plasma expanding in a vacuum in the presence of a magnetic field. IU.P.Raizer. PMTF no.6:19-28 N-D '63.

Self-consistent potential of a dense low-temperature plasma. B.N.Baranov, I.P.Pavlotskii. PMTF no.6: 13-18 N-D '63.

Sinel'nikov, K.D., and B.N.Rutkevich. [Lectures on plasma physics] Lektsii po fizike plazmy. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1964. 241 p.

Single-fluid equations of the dynamics of a partially ionized gas in a high magnetic field. E.G.Sakhnovskii. Prikl.mat.i mekh. 28 no.3,474-482 My-Je '64.

Statistical theory of nonequilibrium processes in a plasma; making allowance for nonlinear wave interaction in kinetic equations. IU.L.Klimontovich. Dokl.AN SSSR 157 no.3:563-565 Jl '64.

Theory of the rotation of a cylindrical plasma pillar in a longitudinal magnetic field. E.I.Urazakov. Radiotekh.i elektron. 9 no.4:735-740 Ap '64.

Turbulent diffusion of a slightly ionized magnetized plasma. G.M.Zaslavskii, S.S.Moiseev, V.N.Oraevskii. PMTF no.6:29-33 N-D '63.

PLASMA (IONIZED GASES)—SPECTRA

Possibility of spectroscopic observation of electron-beam melting [with summary in English]. E.V. Lifshits. Ukr.fiz.zhur. 9 no.2 207-209 F '64.

PLASMA OSCILLATIONS

Theory of a turbulent plasma in a magnetic field. V.I. Karpman. PMTF no.6:34-41 N-D '63.

PLASTER

Aleksandrovskii, A.V. [Materials for plasterers and slab and mosaic layers] Materialovedenie dlia shtukaturov, plitochnikov, mozaichnikov. Izd.2., perer. i dop. Moskva, Vysshaia shkola, 1964. 246 p.

PLASTER CASTS, SURGICAL

Osteosynthesis using one or two metal screws without plates in diaphysial oblique, oblique-spiral and spiral fractures of the tibia. S.O.Portugalov, O S.Brodskii Khirurgiia 40 no 2:128-132 F '64.

PLASTIC FILMS

Filled films made from carboxylate latex. G.I.Gorlova and others. Kauch.i rez. 23 no.4:7-9 Ap '64.

Ivanov, N.A., and E.IA.Shvarts. [Wood finishing with polyvinyl chloride films] Otdelka drevesiny plenkami PVKh. Leningrad, 1963. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii, no.5)

PLASTIC FILMS, EFFECT OF RADIATION ON

New data on the sensitized formation of cation radicals in the low temperature radiolysis of films containing aromatic amines. R.I.Miliutinskaia, Kh.S.Bagdasar'ian. Zhur.fiz.khim. 38 no.3:776-778 Mr '64.

PLASTIC SURGERY see Surgery, Plastic

PLASTIC PIPE see Pipe, Plastic

PLASTICITY

Averaging plasticity equations. G.A.Brichko. Izv.vys. ucheb.zav., chern met 7 no.6 114-116 '64.

Complex loading and the prospects of a phenomenological approach to the study of microstrains. V.V.Novozhilov Prikl.mat.i mekh. 28 no.3:393-400 My-Je '64.

Decrease of plasticity in carbon steel on testing it in the temperature range of 20 to 700°C. I.E.Dolzhenkov. Dop.AN URSR no.6:782-786 '63.

PLASTICS

Braginskii, V.A. [Shrinkage and precision of plastic parts] Usadka i tochnost' detalei iz plastmass. Leningrad, (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii)

Pt.2. [Precision of plastic parts] Tochnost' detalei iz plastmass; stenogramma lektsii. 1964. 38 p.

Goriacheva, I.A., and M.M.Sapozhnikov. [Use of plastics in sanitary engineering] Primenenie plastmass v sanitarnoi tekhnike. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Materialy kratkosrochnogo seminara "Effektivnye stroitel'nye materialy i primenenie ikh v konstruktsiiakh")

Losev, B.I., M.L.Monina, and G.V.Putintsev. [Using plastics and synthetic materials in the petroleum and gas industry] Ispol'zovanie plasticheskikh mass i sinteticheskikh materialov v neftegazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 243 p.

Make use of the achievements of chemistry at enterprises for corn storage and processing. M.Tartakovskii. Muk.-elev.prom. 30 no.4-12-15 Ap '64.

Plastics for combination shaft linings in potash mines G.P.Kakulin, P.I.Muchnik, Ch.I.Nartova. Shakht. stroi. 8 no 4 6-7 Ap '64.

Studying the characteristics of thermoplastic coatings. F.F. Zigmund, K.D. Vachagin. Khim.mashinostr. no.1;34-36 Ja '63.

Verb, I.M. [Modern methods for the manufacture of protective clothing from plastic films] Sovremennye sposoby izgotovleniia spetsial'noi odezhdy iz plenki. Moskva, Izd-vo "Legkaia industriia," 1964. 130 p.

PLASTICS—CASTING

New cast plastics. Mashinostroenie no.1;104 Ja-F '64.

PLASTICS IN BUILDING

Calculation for allowable load of plastic bearings in building machinery. IU. A. Evdokimov. Stroi. i dor.mash. 8 no.12;19-22 D '63.

For the houses of our "tomorrow." Nar.khoz.Kazakh. 22 no.3;6-7 Mr '64.

Translucent panels of glass reinforced plastics. V.Popov, E.Skliarova. Stroi.i arkhit. 12 no.5;24-25 My '64.

PLASTICS IN INDUSTRY

Chemistry is a good ally. V.Orlov. Nar.khoz.Kazakh. 22 no.3;12 Mr '64.

Efficiency of the use of plastic materials in the machinery industry. N.F.Bychenok. Mashinostroenie no.1;10-12 Ja-F '64.

Plastic fixtures for checking. S.I.Efremov. Mashinostroitel' no.5-30-31 My '64.

Plastics for preventing the self-unscrewing of threaded joints. A.A.Shturman. Mashinostroenie no.1;13 Ja-F '64.

Technology of making pattern equipment of epoxy plastics N P Borodina Izv vys ucheb zav., mashinostr no 1, 174-185 '64

Using plastic caps for preventing damages to metal-cutting tools. M.V.Alekseev. Mashinostroenie no.1: 14-15 Ja-F '64.

Using styrene-acryl resin in repair work. V.A.Volokhov, A I Nekrasov Mashinostroitel' no 4 12 Ap '64

PLASTICS IN MEDICINE

Screens and beds from vinyl plastics in the treatment of scoliosis in children. Z.A.Liandres. Ortop.travm. i protez. 24 no.12:55-58 D '63

PLASTICS INDUSTRY—FIRES AND FIRE PREVENTION

Fire hazards in the manufacture of polyurethan foams (plastic foams) Z E.Shimanova. Sbor rab pozh - ispyt sta no.3-5-12 '63.

PLATE GLASS

Efficiently use window and polished glass in the national economy. M.A.Plotkina, B.L.Pozin. Stek.i ker 21 no.1:37-40 Ja '64.

Using fluorine in the manufacture of plate glass. N.E. Prodaivoda Stek.i ker. 21 no.1:33-34 Ja '64.

PLATE TOWERS

Analyzing the resistance of plates made from S-shaped elements. IU.K.Molokanov, I.Z.Agushevich. Khim i tekh.topl.i masel 9 no.3:49-52 Mr '64.

PLATE TOWERS—FLUID DYNAMICS

Hydrodynamics and mass transfer in the liquid phase on sieve plates. A.V.Sarukhanov, A.N.Planovskii. Khim. prom. no.4:289-294 Ap '64.

PLATES (ENGINEERING)

Calculation the asymmetrical heating of an infinite plate under the effect of radiation. IU V.Vidin, G.P. Boikov Izv.vys.ucheb.zav., chern.met. 7 no 6-167-172 '64

PLATING

New method for plating metals and alloys on parts of machines by means of friction. IA.M.Kershenbaum, B.A.Averbukh. Mash.i neft.obor. no.11;34-37 '63.

PLATINUM

Surface ionization of organic molecules on platinum. O.K.Fomin, M.V.Tikhomirov. Zhur.fiz.khim. 38 no.3:726-728 Mr '64.

PLATINUM CATALYSTS

Action of acids on platinum adsorption catalysts in the decomposition of hydrogen peroxide. Zh.V.Strel'nikova, V.P.Lebedev. Zhur.fiz.khim. 37 no.4:920-922 Ap '63.

Catalytic reduction of aromatic nitro compounds. Part 14: Reduction of nitrobenzene on platinum black. V.P.Shmonina. Zhur.ob.khim. 34 no.6:2020-2026 Je '64

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM OXIDES

Effect of surface oxides on the electroreduction of oxygen on platinum in an alkaline solution. L.Muller, L.N.Nekrasov. Dokl.AN SSSR 157 no.2:416-419 Jl '64.

PLATINUM-SILVER ALLOYS

Platinum-silver alloys used in the manufacture of electric instruments. Z.A.Timofeeva, N.A.Birun. Izm.tekh. no.5:44-45 My '64.

PLAUNIK, SAMUIL IAFIMOVICH, 1886-1941

Smolkin, M.D. Zmitrok Biadulia. Minsk, Dziarzhaunae vyd-va BSSR, Redaktsiia mastatskai lit-ry, 1961. 207 p.
(MH)

PLETHYSMOGRAPHY

Theoretical problems in designing a photoplethysmograph. V.S.Moshkevich. Vest AN Kazakh.SSR 19 no.6-81-86 Je '63

PLEURA—HYDATIDS

Echinococcosis of the pleura. A.S.Partigulov. Uch. zap.Stavr gos.med.inst 8 154-158 '63.

PLEURA—SURGERY

Echinococcosis of the pleura. A.S.Partigulov. Uch. zap.Stavr.gos med inst. 8,154-158 '63.

PLEURA—TUMORS

Rare case of primary multiple tumors. L.A.Kolomiitskaia, A.T Turganbaev, V A.Chibunovskii. Trudy Inst. klin.i eksp.khir.AN Kazakh.SSR 8,146-150 '62

PLEURISY

[illegible] M A [illegible] 110 [illegible]

PLOWING

(see also subdivision under Kherson Province)

[illegible] wheat pests and diseases under the co[illegible] F F [illegible] St[illegible] no 6 123-[illegible]

[illegible] ological proc[illegible] Sti[illegible]

PLOWS

[illegible] plows [illegible] [illegible] zhur. 6 [illegible]

PLUMBING

Sapozhnikov, M. M. [Saving metal in the construction of plumbing systems] Ekonomiia metalla pri ustroistve sanitarno-tekhnicheskikh sistem Leningrad, 1964 24 p (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym nauchno-tekhnicheskim opytom. Seriia Stroitel'noe proizvodstvo, no 1)

PLUTONIUM

Analysis of the observable distributions of resonance widths in U^{233} and Pu^{239} L N. Usachev, V. A Pa[illegible], V. S. Pokotno. Atom. energ. 17 no. 1 [illegible] Jl '64

Angular distribution of fragments in U235 and Pu239 fission by 0.08 to 1.5 Mev. neutrons. V. G. Nesterov and others. Atom. energ. 16 no. 6 516-521 Je '64.

Cross section of Pu^{231} and Pu^{233} fission by neutrons in the energy range 1 to 1500 kev S M Dubrovina V A Sh[illegible] Dokl AN SSSR 157 no 3 561-562 Jl '64

Distribution of the radiative capture to fission cross section ratio for Pu233 along the height of the BR-5 reactor. V. I I[illegible], N N. Krot, G. N. Smirenkin, [illegible] energ 16 no 6 497-500 Je '64

PLUTONIUM CARBONATES

Synthesis of plutonyl carbonates V D Nikol'skaia, A A. Fedulova Radiokhimiia 5 no 6:744-747 '63.

PLYWOOD

Vacuum gluing of plywood. V. A. Kulikov, N. M. Martynikhina, B. P. Kol'man. Der. prom. 13 no. 3.14-17 Mr '64.

PNEUMATIC CONTROL see subdivision under Ust'-Kamenogorsk

PNEUMATIC CONVEYING

Air conduit as a promising means of intrashop conveying N Cherniaev, V. Zhuravlev Muk.-elev. prom. 30 no. 2-9-11 F '64.

Distribution of the solid phase concentration in pneumatic transportation with a continuous layer O. M. Todes, K I. Reznikovich. Khim. mashinostr. no. 1.18-20 Ja '63

Resistance of elbows with small curvature radius in pneumatic conveying. A. I. Karpov. Izv. vys. ucheb. zav., energ 5 no 8:71-77 Ag '62.

PNEUMATIC MACHINERY

Investigating the unsteady motion of the piston of a pneumatic device. E. V. Gerts, G. V. Kreinin. Izv. AN SSSR. Mekh. i mashinostr. no. 3:158-161 My-Je '64.

The pride of the factory A Maikov Mashinostroitel' no 5:3 My '64

PNEUMATIC MACHINERY—SAFETY APPLIANCES

Automatic moisture eliminator. M I. Dul'nev. Mashinostroitel' no. 5.27 My '64

PNEUMONIA—MICROBIOLOGY

Materials on influenza (enzootic bronchopneumonia) in swine I T Kotov, A M Borisov Zap Vor sel'khoz inst 17 no 2 47-52 '62

PNEUMOTHORAX

Morphological changes in the heart following the use of direct massage and electric defibrillation in dogs following clinical death as a result of a unilateral open pneumothorax. Sh. S. Machavariani, R. V. Kapanadze. Trudy Inst. klin i eksper. kard AN Gruz. SSR 8:673-677 '63.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Enthusiasts of science. "Problem of the Tunguska meteorite" I S Astapovich. Priroda 53 no 7 121-122 '64

PODOLIA—GEOLOGY, STRATIGRAPHIC

Comparison of cross sections and a general plan for the division of Pre-Ordovician layers in Volhynia and Podolia. E. P. Bruns, K. E. IAkobson. Trudy VSEGEI 91:59-84 '63.

PODOLIA—NATURAL RESOURCES

Mizhvuzivs'ka konferentsiia po vyvchenniu pryrodnykh resursiv Podillia, 1963. [Materials on the study of the natural resources of Podolia] Materialy do vyvchennia pryrodnykh resursiv Podillia. Kremenets', Kremenets'kyi derzhavnyi pedagog. in-t, 1963. 199 p.

PODVYSOTSKII, VLADIMIR VALER'IANOVICH, 1857-1913

In memory of V V Podvysotskii, on the 50th anniversary of his death O I Sukmanskii. Pat. fiziol. i eksp terap. 7 no 6 87 N-D '63

POISONING

Characteristics of the summation process in various functional states of the spinal reflex arc. IA P. Kolomeichenko Nerv. sist. no. 3:74-83 '62

POKRASS, DMITRII IAKOVLEVICH, 1899-

Guests of Arctic seamen. Vl Matveev. Sov. voin 46 no. 13 13 Jl '64

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol'. no. 4 '64.

POLAND—CHEMICAL MACHINERY

Polish export of chemical equipment. R. Perlovskii Vnesh. torg 44 no. 5:46-47 '64

POLAND—ECONOMIC CONDITIONS

[Hello, Poland!] Den' dobryi, Pol'sha. Moskva, Izd-vo "Pravda," 1964. 247 p. illus.

POLAND—ECONOMIC POLICY

Poland's development program. I. Trofimova. Nov. vrem. 21 no. 26:10-11 Je '64.

POLAND—EDUCATION

In the country of a fraternal nation I. S. Ishchenko. Rad shk 43 no 5 102-103 My '64

Twentieth anniversary of public education in the Polish People's Republic V Tulodetskii Nar obr no 7:87-89 Jl '64

POLAND—ELECTRICITY IN MINING

Underground electric equipment of mines in the Polish People's Republic Shakht. stroi. 7 no. 11:29-30 N '63.

POLAND—HISTORY

Syrop, Konrad. [Spring in October; the Polish revolution of 1956. Translated from the English] Vesna v oktiabre; pol'skaia revoliutsiia 1956. goda. New York, F. A. Preger [1961] 210 p.
(MiD)

POLAND—LAW

Research work of Polish jurists in the history of law. Z. M. Chernilovskii. Sov. gos. i pravo 34 no. 5:135-141 My '64.

POLAND—MARITIME LAW

The code of maritime law of the Polish People's Republic (conclusion). Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:23-42 '63.

Selected articles of decree of December 1, 1961 on the enactment of the code of maritime law of the Polish People's Republic. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19:42-43 '63.

POLAND—ORTHOPEDIA—CONGRESSES

Congress of Polish orthopedists and traumatologists. Z. V. Bazilevskaia. Ortop., travm i protez 24 no 12:83-85 D '63.

POLAND—PLANTS, PROTECTION OF

In Poland. E.S. Zashch. rast. ot vred. i bol. 9 no. 6: 49 '64.

POLAND—POLITICS AND GOVERNMENT

Lukovets, A. I. [Future aspirations; 20 years of People's Poland] Ustremlennye v budushchee; Narodnoi Pol'she—dvadtsat' let. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 11)

POLAND—PROTOZOOLOGY—PERIODICALS

Brief news and information. Zool. zhur. 42 no. 12:1892-1901 '63.

POLAND—REVOLUTION, 1863-1864

Akademiia nauk SSSR. Institut slavianovedeniia. [On the 100th anniversary of the heroic battle "For our and your freedom"; collected articles and materials on the Revolution of 1863] K stoletiiu geroicheskoi bor'by "Za nashu i vashu svobodu"; sbornik statei i materialov o vosstanii 1863 g. Pod red. V. A. D'iakova, I. S. Millera, S. M. Fal'kovich. Moskva, Izd-vo "Nauka," 1964. 446 p.

POLAND—SOIL RESEARCH

Twenty days with Polish soil scientists. N. A. Kachinskii. Vest. Mosk. un. Ser. 6: Biol., pochv. 17 no. 2:73-79 Mr-Ap '62.

POLAND—TRAUMATISM—CONGRESSES

Congress of Polish orthopedists and traumatologists. Z. V. Bazilevskaia. Ortop., travm. i protez. 24 no. 12:83-85 D '63.

POLARIS (MISSILE)

"City killers," a prolonged program. Tekh. i vooruzh. no. 6:86-88 Je '64.

POLARIZATION (ELECTRICITY)

Apparatus for studying electrochemical and corrosion processes taking place on electrodes during polarization by pulsating or alternating currents with varying degrees of asymmetry. IU. N. Mikhailovskii. Zhur. fiz. khim. 37 no. 4:937-939 Ap '63

Causes of lead electrode polarization in alkaline [illegible] in the case of superimposed alternating current [illegible] Flerov, Viach. N. Flerov. Zhur. fiz. khim. 37 [illegible] 862-867 Ap '63.

Electrochemical processes on an alternating polarizing electrode. Part 4. G. A. Bogunov, S. V. [illegible] Zhur. fiz. khim. 38 no. 3:785-788 Mr '64.

Electrodeposition of antimony from the trifluoride electrolyte. F. I. Zaburdaeva, V. M. Kochegarov, A. [illegible] Kharin. Zhur. fiz. khim. 38 no. 3:750-760 Mr '64

Kinetics of electrode processes in the system [illegible] platinate ion - chloroplatinite ion. V. I. [illegible] Simakov Vest. LGU 19 no. 10 90-100 '64

Nature of the circuit closing peak on the time-[illegible] curve. S. G. Bializor. Zhur. fiz. khim. 38 [illegible] 754-756 Mr '64.

Nature of the polarization in the formation of lead [illegible] lead sulfate. V. F. Lazarev, A. I. Levin Zhur. fiz. khim. 36 no. 6:1316-1320 Je '62.

Polarization curves for electrodes partly immersed in an electrolyte solution V. G. Levich, IU. A. [illegible]zhov, IU. G. Chirkov. Dokl. AN SSSR 157 [illegible] 407 Jl '64.

Processes occurring in the boundary layer of the [illegible] solution with a nonpolarized nickel electrode and a nickel electrode subjected to cathodic polarization. J. Matulis, R. Sližys. Trudy AN Lit. SSR. Ser. B [illegible] 45-55 '64.

State of the surface of anodically polarized silicon in hydrofluoric acid solutions E. A. Efimov, I. G. Erusalimchik, G. P. Sokolova. Zhur. fiz. khim. 36 no. 6:1216-1221 Je '62.

POLARIZATION (NUCLEAR PHYSICS)

Production of highly polarized neutrons. N. G. [illegible] A. G. Mandzhavidze. Trudy Inst. fiz. AN Gruz. SSR 9:191-199 '63.

Summing over states of polarization A. E. Kaval'[illegible] Nek probl sovr. fiz. iadra i elem. chast. no [illegible] '57

POLARIZING MICROSCOPE

Onikienko, S. K. [Practical manual on the study of rock-forming minerals in thin sections] Prakticheskoe rukovodstvo po issledovaniiu porodoobrazuiushchikh mineralov v prozrachnykh shlifakh. Moskva, Izd-vo "Nedra," 1964. 90 p.

POLAROGRAPH

Automatic electron polarograph. B. G. Chikvaidze. Soob. AN Gruz. SSR 33 no. 1:117-122 Ja '64.

POLAROGRAPHY

Amalgram polarography of manganese. K Zh[illegible] M T. Kozlovskii. Vest. AN Kazakh. SSR [illegible] My '63.

Certain adsorption phenomena in cathodic polarography with solid electrodes. M. B. Bardin. Zhur. fiz. khim. 38 no. 3:571-575 Mr '64.

Comparative study of the polarographic wave of a protein irradiated by ultraviolet light I. D. Ivanov, E. E. Rakhleeva. Dokl AN SSSR 157 no. 3:703-706 Jl '64

Determination of the solubility and diffusion coefficients of nickel in mercury by the method of amalgam polarography with storage. I. E. Krasnova, A. I. Zebreva, M. T. Kozlovskii. Dokl. AN SSSR 156 no. [illegible] My '64.

Experimental proof of the effect of ohmic potential drop in the bulk of solution on the limiting current of the electroreduction of anions. B. N. Rybakov, N. V Nikolaeva-Fedorovich, G. V. Zhutaeva. Zhur. fiz. khim. 38 no. 3:782-783 Mr '64.

Polarographic determination of selenium dissolved in concentrated sulfuric acid. E. Pacauskas, J. Janickis, G. Buinevičiene. Trudy AN Lit. SSR. Ser. B no. [illegible] '64.

Polarographic determination of the diffusion coefficients of hydroxyl ions in aqueous solutions of alkali metal nitrates. S. G. Mairanovskii, M. K. Polievktov. Zhur. fiz. khim. 37 no. 4:886-887 Ap '63.

Polarographic determination of the equilibrium constant of proton exchange between alcohol molecules and water molecules. IA. I. Tur'ian. Zhur. fiz. khim. 36 no. 6 1390-1391 Je '62.

Polarographic reduction and infrared spectra of some o-oxyazo dyes. Z. V. Pushkareva, M. K. Murshtein. Dokl. AN SSSR 156 no. 2:389-392 My '64.

Polarographic study of the complex formation of europium with ethylenediaminotetraacetic acid. IU. P. Galaktionov, R. A. Lidin, K. V. Astakhov. Zhur. fiz. khim. 37 no. 4: 829-834 Ap '63.

Polarography of melts using a bismuth dropping electrode. I. I. Naryshkin, L. A. Gavrilov. Zhur. prikl. khim 37 no. 5:1130-1132 My '64.

Polarography of tertiary protein structure. I. D. Ivanov, E. E. Rakhleeva. Dokl. AN SSSR 157 no. 2:469-47[illegible] Jl '64.

POLENOV, VASILII DMITRIEVICH, 1844-1927

Polenovo. Gosudarstvennyi muzei-usad'ba V. D. Polenova. [State Museum-Estate of V. D. Polenov] Gosudarstvennyi muzei-usad'ba V. D. Polenova. [-p.] Gos. [illegible] 1 v. (chiefly illus.)

[illegible] (Yunnan Province)

POLESYE—CATTLE BREEDING

Gorla's cattle in White Russia Polesye and methods for its improvement A A Gaiko Trudy Bel nauch -issl inst zhiv. 3,41-60 '62

POLESYE—MERINO SHEEP

Changes in the economically useful indices and some biological characteristics in French Merino sheep born at various seasons A D Pyshenkin and others Trudy Bel. nauch -issl inst zhiv. 3 165-174 '62.

POLESYE—MITES

Distribution of gamasid mites in the burrows of rodents of White Russian Polesye. I. V. Chykilsuskaia, I. T. Arzamasau. Vestsi AN BSSR, Ser, bilal. nav. no. 3 116-120 '63.

POLESYE—PARASITES—RODENTS

Distribution of gamasid mites in the burrows of rodents of White Russian Polesye. I. V. Chykileuskaia, I. T. Arzamasau. Vestsi AN BSSR. Ser. bilal. nav. no. 3. 116-120 '63.

POLIOMYELITIS
(see also subdivision under Kozhevnikovo District)

Konovalov, N. V. [Subacute anterior poliomyelitis] Podostryi perednii poliomielit. Moskva, Izd-vo "Meditsina," 1964. 95 p.
(DNLM)

Multiple pneumography in children with poliomyelitis and similar diseases. E. V. Gaevskii. Zhur. nevr. i psikh. 63 no. 7:1004-1008 '63.

Orthopedic apparatotherapy in the sequelae of poliomyelitis. L. G. Kapichnikova. Ortop., travm i protez 24 no. 12:9-13 D '63.

POLIOMYELITIS—RESEARCH

Clinical and virological parallels in poliomyelitis in children. Z. M. Zemliakova, A S. Skobennikova. Trudy TomNIIVS 14:42-48 '63.

POLIOMYELITIS—VACCINATION

Effect of immunization inactivated and attenuated by vaccines on the incidence of poliomyelitis. B. A. Zamotin. Trudy TomNIIVS 14:278-280 '63.

Observations of the clinical aspect of poliomyelitis in children inoculated with Salk vaccine. Z. M. Zemliakova. Trudy TomNIIVS 14:54-59 '63.

POLIOMYELITIS VIRUSES

Investigating adult persons as carriers of poliomyelitis viruses. S. U Akberdin Vest. AN Kazakh. SSR 19 no. 8,71-72 Ag '63.

POLITICAL SCIENCE

Akademiia nauk SSSR. Institut gosudarstva i prava. [Constitutional mechanism of monopoly dictatorship] Konstitutsionnyi mekhanizm diktatury monopolii. Moskva, Izd-vo "Nauka," 1964. 361 p.

POLITICAL SCIENCE RESEARCH

Work of the Scientific Council of the Academy of Sciences of the U. S. S. R. on the general problem "The laws of socialist development and the transition to communism." Sov. gos. i. pravo 34 no. 5:145-148 My '64.

POLLEN

Accumulation of free proline in pollen. E A Britikov, N. A. Musatova. Fiziol. rast. 11 no 3,464-472 '64.

Pollen development in two remote hybrids of Lathyrus. D. A. Trankovskii. Biul. MOIP, Otd. biol. 69 no. 3: 91-97 My-Je '64.

POLLEN—MORPHOLOGY

Evolution of pollen in the orders Cunoniales and Saxifragales as related to some problems of their taxonomy and phylogeny. V. Sh. Agababian. Izv. AN Arm. SSR, Biol. nauki 17 no. 1:59-72 Ja '64.

POLLEN—STORAGE

Viability of grapevine pollen. V. S. Nazarko. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:155-156 '60.

POLONIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Distribution of polonium -210 in the hypophysis, thyroid and parathyroid glands. of rats. A. V. Tkachev. Radiobiologiia 3 no. 6:877-879 '63.

POLOTSK REGION—GEOLOGY, STRATIGRAPHIC

Narova horizon of the Middle Devonian of the Polotsk region. A. S. Makhnach, V. I. Pasiukevich, A D. Seminiuk Vestsi AN BSSR. Ser fiz -tekh. nav no. 1:74-82 '64.

POLTAVA PROVINCE—FARMHOUSES

Multistory houses. V. Il'in. Sil'. bud. 13 no. 7:7-8 Jl '63.

POLYAMIDES

Use of the polyamide thread "zhilka" for skin sutures in oncological operations. A. N. Matytsin. Vop. onk. 8 no. 10:100-103 '62.

POLYCHAETA see subdivision under Krasnovodsk Gulf

POLYEMBRYONY

Forms of polyembryony in animals. O. M. Ivanova-Kazas. Zool. zhur. 43 no. 5:641-646 '64.

Study of the polyembryony in the genus of Allium L. G. E. Gvaladze. Soob AN Gruz. SSR 31 no 2:393-398 Ag '63.

POLYHEDRA—BOUNDARY VALUE PROBLEMS

Asymptotic formulae for the eignvalues of the Laplace operator in the case of a polyhedron B V Fedosov Dokl AN SSSR 157 no 3 536-538 Jl '64

POLYMERIZATION

Copolymerization of unsaturated compounds of the liquid products of pyrolysis with acrylonitrile. IU. G. Mamedaliev and others. Dokl. AN Azerb SSR 20 no. 3:23-26 '64.

Cyclic polymerization and copolymerization. Part 29: Radical polymerization of aliphatic vinylethynylcarbinols S. G Matsoian, N. M. Morlian Izv. AN Arm SSR. Khim nauki 17 no 3 319-328 '64

Cyclic polymerization and copolymerization Part 30 Radical polymerization of ethers and esters of vinylethynylcarbinols. S G Matsoian, N. M Morlian Izv. AN Arm SSR. Khim nauki 17 no 3,329-338 '64

Effect of the phase state of diketene on the chemical structure of macromolecules formed during its polymerization. E. S. Shreiner and others. Dokl. AN SSSR 156 no. 2:396-399 My '64.

Gladyshev, G. P. [Polymerization of vinyl monomers] Polimerizatsiia vinil'nykh monomerov. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 321 p.

Mechanism underlying the carbonium polymerization of unsaturated polyesters. T. E. Lipatova, V. A. Budnikova, V. M. Siderko. Dokl. AN SSSR 155 no. 2,379-382 My '64.

Reactions of unsaturated compounds with halides of the allyl type. Part 1: Telomerization of piperylene and isoprene hydrobromides with diene hydrocarbons. L. A. Cherkasova, Kh. V. Bal'ian, L. M. Zubritskii Zhur. ob. khim. 34 no. 6:1917-1925 Je '64.

Simultaneous cyclic trimerization of butylacetylene with phenylacetylene. K. L. Makovetskii, V. O. Reikhsfel'd, L. L. Erokhina. Zhur. ob. khim. 34 no. 6:1968-1970 Je '64.

POLYMERS
(see also subdivision under Azerbaijan)

[The chemistry and technology of polymers; translations and surveys from foreign periodical literature] Khim. i tekh. polim.; sbor. perev. i obz. iz inostr. period. lit. no. 7 '64.

Foreign industrial polymeric materials and their components. F. I. IAshunskaia. Kauch i rez. 23 no. 4:57 Ap '64.

Gul', V. E. [Strength of polymers] Prochnost' polimerov. Moskva, Izd-vo "Khimiia," 1964. 227 p.

Hydrazinolysis, a new method of studying the structure of nitrogen-containing polymers with conjugate bonds B. E. Davydov, IU V. Korshak, B A. Krentsel'. Dokl. AN SSSR 157 no 3 611-614 Jl '64

Lengthening the life of polymers. M. B. Neiman. Priroda 53 no. 7 32-38 '64

Losev, I. P., and E. B. Trostianskaia. [Chemistry of synthetic polymers] Khimiia sinteticheskikh polimerov. 2. izd. Moskva, Izd-vo "Khimiia," 1964. 640 p.

New polymer material for the machinery industry. V. P. Ivashkovich, V. N. Kestel'man. Mashinostroenie no. 1: 17-18 Ja-F '64.

Polymers as raw materials for catalytic cracking. G. A. Gamid-zade. Neftepor. i neftekhim. no. 7:3-5 '63.

Polymers came to the field. V. Zhukov, T. Belova. Tekh. i vooruzh. no. 6:61-63 Je '64.

Study of mixed block polyarylates. V. V. Korshak and others. Dokl. AN SSSR 156 no. 2:368-371 My '64.

Study on the piezoeffect in polymethyl metacrylate. N. M. Kocharian, Kh. B. Pachadzhian Dokl. AN Arm. SSR 36 no. 5:277-279 '63.

POLYMERS—BIBLIOGRAPHY see Bibliography—Polymers

POLYMERS—OPTICAL PROPERTIES

Spectral characteristics of materials used in actinometric instrument manufacture. L. B. Krasil'shchikov, G. P. Semenova. Trudy GGO no. 152:168-171 '64.

POLYMERS—THERMAL PROPERTIES

Thermal motion in linear polymers at low temperatures I V Sochava. Vest. LGU 19 no. 10:56-64 '64.

POLYMERS, EFFECT OF RADIATION ON

Effect of radiation on the stability of plastic scintillators. V. D. Bezuglyi, L. L. Nagornaia. Atom. energ. 17 no. 1:67-70 Jl '64.

POLYMERS, HIGH see Macromolecular compounds

POLYNOMIALS

Application of Chebyshev - Bernstein's method to a class of extremal functions satisfying certain relations linear with respect to the coefficients. I. A. Grigor'eva. [illegible] 18 no. 3:283-291 '64.

[illegible] thod [illegible] tlues. [illegible]

'Zeroes in polynomials" by N. Obreshkov. Reviewed by A. Kharadze. Zhur. vych. mat. i mat. fiz. 4 no. 2: 386-387 Mr-Ap '64.

POLYSACCHARIDES

Mechanical and chemical destruction of lignocellulose polysaccharides. G. I. Gorokhov. Izv. vys. ucheb. zav., les. zhur. 6 no. 6,156-161 '63.

POLYZOA, FOSSIL
(see also subdivision under Fergana, Kazakhstan; Novo-Troitskoye region, Volnovakha District)

A new order of Paleozoic polyzoans. G. G Astrova. Paleont. zhur. no. 2:22-31 '64

PONS VAROLII

Microradioautography of the cerebellum and pons Varolii. Kh A Getsel'. Nerv sist. no 3:28-32 '62.

POPLAR

Experiment in vegetative propagation of hybrid pyramidal forms of poplars and aspen N A Konovalov, I P. Petukhova Trudy Inst biol UFAN SSSR no 31 39-42 '63

POPLAR—VARIETIES
(see also subdivision under Ukraine)

"Uralets" poplar. N A Konovalov Trudy Inst biol UFAN SSSR no 31 31-32 '63

POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949

Author of "Iron stream." Sov. voin 44 no. 24:17 D '62.

PORCELAIN

Study of the mullitization process in the porcelain mass. O. F. IArmak, S. G. Tresviats'kyi. Leh. prom. no 2: 69-71 Ap-Je '64.

POROSITY

About V. N. Nikoloaevskii's reply on comments on his articles. G. N. Barenblatt, S. S. Grigorian, R L. Salganik. Izv. AN SSSR. Mekh i mashinostr. no. 3:187-192 My-Je '64.

Reply to G. I. Barenblatt, S. S. Grigorian, L. V. Nikitin and R. L. Slaganik's comments on the author's article on the dynamics of fluid saturated porous media. V. N. Nikolaevskii. Izv. AN SSSR. Mekh i mashinostr. no. 3: 183-186 My-Je '64.

POROUS MATERIALS

Characteristics of the adsorption of vapors by microporous adsorbents. M. M. Dubinin, E. G. Zhukovskaia. Dokl. AN SSSR 156 no. 2:404-407 My '64.

Height and rate of capillary rise in a porous medium N. U. Koida, M A. Bukhbinder. Zhur. fiz. khim. 36 no. 6:1205-1209 Je '62.

Phase transitions in porous materials of granular structure. L. O. Meleshko. Krist. zhid. no. 2:53-57 '63

PORPHYRY see subdivision under Dusheti District

PORPOISES

Antibody formation function in the dolphin Phocaena phocaena. V. I. Luk'ianenko. Dokl. AN SSSR 157 no. 3 737-739 Jl '64

PORTLAND CEMENT

Mechanism of gypsum effect on the rate of portland cement setting. T. K. Brutskus, E. E. Segalova. Zhur. prikl. khim. 37 no. 5:1126-1130 My '64.

POSTAL SERVICE—MATHEMATICAL MODELS

Barsuk, V. A. [Mathematical methods of planning the transportation of parcels] Matematicheskie metody planirovaniia perevozki posylok. Moskva, Izd-vo "Sviaz'," 1964. 34 p. (Lektsii po ekonomike sviazi)

POSTIMPRESSIONISM (ART)

Rewald, John. [Postimpressionism. Translated from the English] Postimpressionizm. [Leningrad, Iskusstvo]
Vol. 1. [From Van Gogh to Gaugin] Ot Van-Goga do Gogena. 1962. 1 v.
(NcD)

POSTOPERATIVE CARE

Continuous suction of the contents through a duodenal catheter in surgery of the biliary tract. E. V. Smirnov, S D. Popov. Vest. khir. 91 no. 10:3-8 O '63.

POSTURE

Effect of training in rowing on the posture of adolescents. A. I. Kurachenkov and others. Teor. i prak. fiz. kul't. 27 no. 6:49-51 Je '64.

Formation of postural tonic contraction of mammalian muscles. N. F. Skorobovichuk. Nerv. sist. no. 3:84-89 '62.

Let's keep an eye on students' posture. V Chaklin. Nar. obr. no. 7:67-69 Jl '64.

POTASH MINES AND MINING

Gas-dynamic phenomena in potash mines. M. A. Patrushev. Sbor. trud. Inst. gor. dela AN URSR no. 13:105-112 '63.

Plastics for combination shaft linings in potash mines. G. P. Kakulin, P I Muchnik, Ch. I Nartova Shakht stroi. 8 no. 4.6-7 Ap '64.

POTASSIUM
(see also subdivision under Zakataly region)

[illegible] and potassium from industrial wastes. [illegible] Zhur. prikl. khim. 37 no. 5; [illegible]

[illegible] on potassium and [illegible] P.F [illegible] 30 no.3;75-76 Ag [illegible]

[illegible] Vestn. AN BSSR [illegible]

POTASSIUM CHLORIDE CRYSTALS
[illegible] KCl single crystals. [illegible] SSR 9 [illegible]

POTASSIUM FLUORIDES
[illegible] of the interaction of iodine pent[illegible] and potassium fluorides. A. A. [illegible] M. [illegible], L. A. Luk'ianova. Izv. [illegible] no. 6 34-39 '62

POTASSIUM FLUOGLUCONATE—TOXICOLOGY
[illegible] of the toxic effect of potassium [illegible] A. L. [illegible] 17-121 Ja-F '63

POTASSIUM HYDROXIDE
[illegible] with hydroperoxides [illegible] potassium hydroxide on the rate of [illegible] peroxide - triethanolamine [illegible] M. [illegible] K. Grigorian, O. A. Chaltykian. [illegible] 17 no. 3 255-261 '64

POTASSIUM PHOSPHATES
[illegible] of potassium phosphate on the translocation of [illegible] absorbed by soil. G. N. TSelishcheva. Izv. TSKhA no. 5 121-125 '63

POTASSIUM THIOCYANATE
[illegible] Part 11. Product of the [illegible] amine hydrobromides [illegible] V. N. Fedoseev, I. V. [illegible] 34 no. 5 1561-1565 My [illegible]

POTATO BEETLE
[illegible] forecasting of the abundance, [illegible] of Colorado beetle. M. I. [illegible], G. S. Chernaia. Dokl. AN [illegible] My '64.

POTATO BEETLE—BIOLOGICAL CONTROL
Parasite of the Colorado beetle. P. P. Bogush. Zashch. rast. ot vred. i bol. 9 no. 6;48 '64.

POTATO BREEDING
Effect of some factors on the productivity of potato seedlings. F. F. Nikogosian. Izv. AN Arm. SSR. Biol nauki 16 no. 2;87-95 F '63

POTATO LATE BLIGHT
(see also subdivision under Leningrad Province)

Controlling Phytophthora. K. V. Popkova, N. K. Nikulina. Zashch. rast. ot vred. i bol. 9 no. 6;31-32 '64

POTATOES
(see also *subdivision under Siberia, Western*)

Effect of bacterial fertilizers on the yield of cabbage and potatoes. A. L. Afanas'eva and others. Sbor. nauch. rab. Sib. nauch.-issl. inst. sel'khoz. no. 6 25-27 '61

POTATOES—IRRIGATION see subdivision under Gur'yev Province

POTENTIAL, THEORY OF
Computation schemes for the analytic continuation of two-dimensional potential fields on the basis of interpolation. G. IA. Golizdra. Izv. AN SSSR Ser. geofiz. no. 6 903-910 Je '64

Near-the-electrode layers of changes in the potential when a weak current is sent through an ionized gas. G. A. Liubimov. PMTF no. 6;146-148 N-D '63

Problem of three nonidentical particles interacting with a nonlocal factorable potential. G. A. Chiliashvili. Soob. AN Gruz. SSR 33 no. 1 35-41 Ja '64.

POTENTIOMETER
Supply of the operating circuit of a potentiometer from an a.c. network. E. G. Verbenko. Izm. tekh. no. 5; 43-44 My '64.

POTENTIOMETRIC ANALYSIS
Oxidation potential in the system ceric - cerous - *nitric* acid - water - tributyl phosphate. I. M. Batiaev, M. S. Zakhar'evskii. Vest. LGU 19 no. 10,84-89 '64.

Potentiometric method for determining the saponification number in used and *recovered oils*. A. L. Barkan, G. K. Ziller. Khim. i tekh. topl. i masel 7 no. 10;62-66 O '62.

Solomin, G. A. [Methods for determining the redox potential and pH of *sedimentary* rocks] K metodike opredeleniia okislitel'no-vosstanovitel'nogo potentsiala i pH osadochnykh porod. Moskva, Izd-vo "Nauka," 1964. 86 p.

POTONIÉ, HENRY, 1913-1963
Albert Charles Seward (1863-1941) Henry Potonié (1913-1963). S. V. Meien. Paleont. zhur. no 1;140-148 '64

POTTERY
(see also subdivision under Lvov Province; Ukraine, Western)

Automatic control of kilns with walking floors for porcelain firing. V. M. Bondar, Z. P. Sen'. Leh. prom. no. 2·66-68 Ap-Je '64.

POTTIER, *EUGÈNE, 1816-1887*
Eugène Pottier. Sov. voin 44 no. 24;8 D '62.

POULTRY see subdivision under Moscow Province

POULTRY—PARASITES see Parasites—Poultry

POULTRY—PHYSIOLOGY
Some morphophysiological and biochemical changes in reproductive and endocrine organs of birds after injury of the central nervous system. M. B. Nazarian. Izv. AN Arm. SSR. Biol nauki 17 no 1;47-58 Ja '64.

POULTRY HOUSES AND EQUIPMENT—DESIGN AND CONSTRUCTION see subdivision under Ukraine

POULTRY HOUSES AND EQUIPMENT—FIRES AND FIRE PREVENTION
Fire hazards of incubators. V. A. Shimanov. Sbor. rab. pozh.-ispyt. sta. no. 3 65-69 '63

POULTRY HOUSES AND EQUIPMENT—HEATING AND VENTILATION
Analyzing the thermal and technical characteristics of heat accumulating heaters. IU. IA. Prokopenko. Izv. TSKhA no. 5 191-209 '63.

POULTRY INDUSTRY—FINANCE see subdivision under Krasnodar Territory

POWDER METAL PROCESSES
Design and construction of dies for the compression of metal powders. A. N. Nikolaev. Trudy GPI 19 no. 1,78-83 '63.

Theory of metal powder pressing and rolling. A. N. Nikolaev. Trudy GPI 19 no 1;33-41 '63.

POWDER METALLURGY
Changes in density *during the sintering* of iron-copper powder alloys. V. K. Sorokin. Trudy GPI 19 no. 1: 74-77 '63.

Effect of cold deformation and spheroidization on the properties of stainless steel. G. F. Tikhonov, L. A. Pyrialov. Trudy GPI 19 no. 1;51-59 '63.

Effect of plastic deformation on certain properties of the VK-15 powdered metal alloy. V. M. Pelepelin. Dop. AN URSR no. 6;753-756 '63.

Effect of the granulometric composition of a 1Kh18N9T stainless steel powder on its properties. G. F. Tikhonov, A. V. Sivov, L. A. Pyrialov. *Trudy GPI 19 no. 1:12-50* '63

Manufacture by powder metallurgy of inserts for current collecting devices on trolleybuses. A. N. Medvedskii. Trudy GPI 19 *no. 1 69-73 '63.*

POWDERS—ANALYSIS
Electron microscopy study of polishing powders. L. I. Sankova, R. V. Ivanova. Stek. i ker. 21 no. 1·34-37 Ja '64.

POWER ENGINEERING
Steklov, *V. IU., ed.* [*Development of* electric power engineering in the countries of the socialist camp; a *survey*] *Razvitie* elektroenergetiki stran sotsialisticheskogo lageria; obzor. Moskva, Vses. in-t *po proektirovaniiu* organizatsii energeticheskogo stroitel'stva, 1962. 83 p.

[MICROFILM]

Through the pages of foreign magazines. Energetik 12 no 4 27-28 Ap '64.

World Power Conference. *6th Melbourne, 1962.* [*Power* engineering of the world and its prospective *development*, reports of the Sixth World Power Conference held in Melbourne in 1962] Energetika mira i perspektivy ee razvitiia, doklady VI Mirovoi *energeticheskoi* konferentsii v g. Mel'burne v 1962 g. Pod obshchei red. K. D. Lavrenenko. Moskva, Izd-vo "Energiia," 1964. 256 p.

POWER PRESSES
Magaziner, V. V., V. N. Tynianov, and I. N. Fil'kin. [Operation of a single-crank single-acting presses] Ekspluatatsiia odnokri*voshipnykh* pressov prostogo deistviia. Moskva, Mashinostroenie, 1964. 124 p.

Work of friction units of crank presses in automatic lines. V. I. Vlasov, L. S. Kokhan. *Vest. mashinostr.* 44 *no. 2:* 46-50 F '64.

POWER RESOURCES
World Power Conference. 6th, Melbourne, 1962. [Power engineering of the world and its prospective development; *reports of* the Sixth World Power Conference held in Melbourne in 1962] *Energetika* mira i perspektivy ee razvitiia, doklady VI Mirovoi energeticheskoi konferentsii v g. Mel'burne v 1962 *g. Pod obshchei* red. K. D. Lavrenenko. Moskva, Izd-vo "Energiia," 1964. 256 p.

POWER TOOLS
Acquainting students with mechanized tools. [illegible] Poliakov. Shkola i proizv. 8 no. 5 27-35 My '64.

PRASEODYMIUM OXIDES—THERMODYNAMICS
Thermodynamic properties of praseodymium oxides. F. A. Kuznetsov, T. N. Rezukhina. Zhur. fiz. khim. [illegible] no. 6;1304-1307 Je '62.

PRECAST CONCRETE
(see also subdivision under Moldavia)

Chudnovskii, D. M., and others. [Economics and planning of the production of precast concrete] Ekonomika i planirovanie proizvodstva sbornogo zhelezobetona. Izd. 2., perer. i dop. Moskva, Stroiizdat, 1964. [illegible] p.

[Manual on the manufacture of precast reinforced concrete] Spravochnik po proizvodstvu sbornogo zhelezobetona. [By] A. L. Kaliashchuk i dr. Kiev, Izd-vo "Budivel'nyk," *1964. 348 p.*

PRECAST CONCRETE CONSTRUCTION
(see also subdivision under Alma-Ata; Vilnius)

Bronnikov, P. I. [Experimental construction of residential and public buildings made from three-dimensional elements] Eksperimental'noe stroitel'stvo zhilykh i grazhdanskikh zdanii iz ob"emnykh elementov. Leningrad, 1964. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'nye materialy i konstruktsii, no. 1)

Elements of buildings. V. S. Susov, N. D. Fedorinov. Stroi. i arkhit. Len. 20 no. 4;10-11 Ap '64.

No, three-dimensional forming is more economical. *Answer to the article "What method is more efficient"* A. V. Kreichman, E. I. Nekrich. Stroi. i arkhit. Len. 28 no. 4;31-32 Ap '64

Preserving development workings with posts made of precast reinforced concrete. V. E. Kondakov, [illegible] Bespariochnyi. Ugol' Ukr. 8 no. 5;37-39 My '64

Selecting concrete mixtures for precast reinforced concrete tanks. A. E. Fidler, V. A. Landa. Stroi. truboprov. 8 no. 11;23-25 N '63.

Using precast reinforced concrete supports in Karaganda Basin mines. G. I. Piven'. Shakht. stroi. 7 no. 3 [illegible] 23 Mr '63

PRECIPITATION (METEOROLOGY)
(see also subdivision under Perm)

Experience in distance measurement of precipitation quantity by radar. M. L. Markovich, V. M. Muchnik. Trudy UkrNIGMI no. 30;74-82 '63.

Use of summary probability (frequency) curves in processing data on diurnal maximum precipitation. [illegible] Kuznetsova. Trudy GGO no. 163;7-21 '64.

Use of the methods of consecutive *changes and integral* difference curves in calculating precipitation [illegible] TS. A. Shver. Trudy GGO no. 163;22-36 '64.

PRECIPITATION (METEROLOGY)—MEASUREMENT
I. I. Prokhorov's 7-day pluviography. A. P. Gapanov. Vest. AN Kazakh. SSR 19 no. 6;85-88 Je '63

Number of days showing different precipitation totals as measured by the rain gauge and the precipitation gauge. TS. A. Shver, G. F. Ivleva. Trudy GGO no. 163; 17-40 '64.

PRECISION *CASTING*
Casting in molds with gasified models. P. S. Sirotinskii. *Mashinostroitel'* no. 6;45 My '64.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENETRIONE
Enzyme excretory function of the alimentary tract during the use of prednisone. M. F. Nesterin, V. N. Anokhin. Biul. eksp. biol. i med. 56 no. 8;37-43 Ag '63.

Functional state of the adrenal cortex in chronic rheumatic and rheumatoid polyarthritis and its change as a result of health resort treatment with Saryagach *mineral* baths and baths combined with small doses of prednisone. Report No. 2. I. A. Kalenistova. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. *2;65-70* '64.

Functional state of the adrenal cortex in patients with *chronic* polyarthritis and its changes in the process *of treatment* with Saryagach mineral baths and baths combined with the use of prednisone. Report No. 1 I. A. Kalenistova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1;59-66 '64.

PREGNANCY
Insulin function of the mother and fetus. L. L. Liberman, *IU. A. IAroshevskii.* Biul. eksp. biol. i med. 56 no. 8; 21-24 Ag '63.

PREGNANCY, COMPLICATIONS *OF*
Association of schizoid and epileptic symptoms in children. S. S. *Mnukhin.* Zhur. nevr. i psikh. 63 no. 7;1047-1051 '63.

PREIKSAS, KAZYS, 1903-1961
Preiksas Kazys. Kazys Preiksas. Vilnius, [Leidykla "Mintis,"] 1964. 350 *p.* [*In Lithuanian*]

Role of maternal pathology in Down's disease P. F. Davidenkova and others. Zhur. nevr. i psikh. 63 no. 7:1052-1057 '63.

PREOPERATIVE CARE

Dumping syndrome and preoperative detection of factors predisposing its development following resection of the stomach. T. P. Makarenko, A I Sveshnikov Khirurgiia 40 no. 2:98-103 F '64

Effect of preliminary introduction of penicillin on the course of experimental appendicitis. Report No. 2. IU. P. Atanov. Khirurgiia 40 no. 2 78-80 F '64.

Preventive use of antibiotics in surgery on the stomach. A. M. Marshak, L. A. Sysoeva. Khirurgiia 40 no 2: 19-24 F '64.

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING
(see also subdivision under Gorkiy Province)

Incompatible prescriptions of ointments with perhydrol. E. J. Peterson. Apt. delo 11 no. 6:64-65 N-D '62.

PRESS

Mishuris, A. L., ed. [The Soviet-Party press during the struggle for the building of socialism] Partiino-sovetskaia pechat' v period bor'by za stroitel'stvo sotsializma; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1964. 145 p.

Zasurskii, IA. N., ed. [The foreign press] Zarubezhnaia pechat'; sbornik statei. [Moskva] Izd-vo Mosk. univ. 1964. 311 p.

PRESS AND PROPAGANDA

The party and soviet press in the nationwide discussion on the draft of the seven-year plan, based on materials of the central and local press. A. V. Liubtsev. Uch. zap. kaf. ist. KPSS no. 4:63-90 '64.

PRESSING OF GARMENTS—EQUIPMENT AND SUPPLIES

Heating of garment pressing systems by means of ferrosilicon semiconductor plates. A. I. Eterman, F. IA. Leibman, S. IA. Leibman. Nauch.-issl. trudy TSNIIShveiproma no. 11:86-107 '62.

Parallel method for the final wet-heat processing of outer garments with the POR-3 press. M. M Ovchinnikova. Nauch.-issl. trudy TSNIIShveiproma no. 11:124-127 '62.

Small steam generator with automatic level control. S. IA. Leibman, E A. Leibman. Nauch -issl. trudy TSNIIShveiproma no. 11.107-114 '62

Two-position hydraulic press for the processing of collars and cuffs on men's shirts. A. A. Ushakov, B. K. Alekseev. Nauch.-issl. trudy TSNIIShveiproma no. 11: 115-123 '62.

PRESSURE—ELECTROMECHANICAL ANALOGIES

Using electric models for calculating low pressure gas networks. S. V. Gorchikov. Stroi. truboprov. 8 no. 11: 26-27 N '63.

PRESSURE—MEASUREMENT

Determination of specific pressures. V. A. Nikolaev. Izv. vys. ucheb. zav., chern. met. 7 no 6 77-80 '64.

Some results of research in the field of high-pressure measurements. M. K. Zhokhovskii Izm. tekh. no. 4: 29-31 Ap '64.

PRESSURE—MODELS

Investigating the interaction of the shield with a rock cushion by means of shield modeling. A. D. Bondarenko. Sbor. trud. Inst. gor. dela AN URSR no. 13:48-58 '63.

PRESSURE GAUGES

Pressure-drop signal indicator with explosion protection. V. M. Cholin, E. I. Bakanov. Transp. i khran. nefti i nefteprod. no. 4:35-36 '64.

Tensomanometer for measuring pressure pulsations in pipelines. S. A. Bobrovskii, A. A. Kozobkov, A. S. Messerman. Transp. i khran. nefti i nefteprod. no. 4: 10-14 '64.

PRESSURE REGULATORS

RDV single-valve pressure regulators. D. IA. Vigdorchik, V. P. Ivanov, V. G. Ponomarev. Gaz. prom. 8 no 3: 29-30 '63.

PRESSURE SUITS

Exchangeability of atmospheric nitrogen by helium in cabins of cosmic vehicles and the efficiency of a helium - oxygen mixture in the ventilation of space suits. A. G. Dianov. Kosm. issl. 2 no. 3:498-503 My-Je '64.

PRESTRESSED CONCRETE CONSTRUCTION

Keramzit concrete for prestressed concrete elements. N. A. Kornev, A. A. Kudriavtsev. Bet. i zhel.-bet. 10 no. 4:165-160 Ap '64.

Mo[illegible] [illegible] [Tr[illegible] [illegible]

Pr[illegible] A. I. Lysova. Nauch. trudy AKKH no. 18:[illegible]

PRICES—CONGRESSES

Theoretical bases and a method of accounting for price determining factors in price planning V Chernysheva Vop ekon. no 7 147-152 Jl '64

PRIMITIVE RELIGION see Religion, Primitive

PRIMROSES see subdivision under Yasinya region (Transcarpathia)

PRINTED CIRCUITS

Dmitriev, L. N. [Grid production methods in the manufacture of printed circuits] Metod setkografii v proizvodstve pechatnykh skhem Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 6)

PRINTING

400th anniversary of book printing in Russia N Sikorskii Mashinostroitel' no 4 42 Ap '64

The 400th anniversary of Russian printing. A. S. Glebov. Der. prom. 13 no. 3:4 Mr '64.

Ivan Fedorov, Printer, d. 1583. [Grammar] Gramatyka Kyiv, Vyd-vo "Dnipro," 1964. 1 v.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. [Technology of printing, a collection of informational articles] Tekhnologiia poligrafii, informatsionno-referativnyi sbornik. Pod red. V. S. Lapatukhina. Moskva, 1963. 119 p.

Roznyk, M. H. [Story of the book] Rozpovid' pro knyzhku. Kyiv, Radians'ka shkola, 1964. 138 p.

PRINTING INDUSTRY

Tarasenko, N. V. [Economics of the printing industry; a textbook] Ekonomika poligraficheskoi promyshlennosti, uchebnoe posobie. Moskva, Mosk. poligraficheskii in-t, 1963. 118 p.

[MICROFILM]

PRINTING MACHINERY AND SUPPLIES
(see also subdivision under Germany, East)

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii mashinostroeniia. [Novaia poligraficheskaia tekhnika. Moskva, 1962. 110 p. (Seriia X. Poligraficheskoe mashinostroenie, no. 2)

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Modern drives for printing machines] Sovremennye privody poligraficheskikh mashin. Moskva, 1963. 60 p. (Seriia X: Poligraficheskaia tekhnika, no. 7)

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Modern offset printing machinery] Sovremennye ofsetnye pechatnye mashiny. Moskva, 1963. 85 p. (Seriia X: Poligraficheskaia tekhnika, no. 12)

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Modern sheet-carrying systems] Sovremennye listoprovodiashchie sistemy. Moskva, 1963. 76 p. (Seriia X: Poligraficheskaia tekhnika, no. 6)

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [New printing equipment] Novaia poligraficheskaia tekhnika. Moskva, 1962. 91 p. (Seriia X: Poligraficheskoe mashinostroenie, no. 4)

PRIOZERSK DISTRICT—QUARRIES AND QUARRYING

Viktorov, IU. V., A. D. Odalin, and I. E. Lebedev. [Introduction of progressive practices and highly efficient equipment at the "Rovnoe" granite quarry] Vnedrenie progressivnoi tekhnologii i vysokoproizvoditel'nogo oborudovaniia na granitnom kar'ere "Rovnoe." Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 2)

PRIPET VALLEY—BRACHIOPODA, FOSSIL

New species of the Visean Chonetoidea of the Pripet fault. G A. Belavusava. Vestsi AN BSSR. Ser fiz.-tekh nav. no. 1:94-100 '64.

PRIPET VALLEY—HALOGENS

Basic stages of the formation of Devonian sediments in the Pripet fault and Dnieper-Donets Lowland. V. P. Kirikov. Trudy VSEGEI 91:107-129 '63.

PRIPET VALLEY—PALEOGEOGRAPHY

Paleogeography of the Pripet fault and the northwestern part of the Dnieper-Donets Lowland in the Paleogene. A. G. Ber. Trudy VSEGEI 91:173-190 '63.

PRIVATE PLOTS

The land utilization law of the Soviet Union. T. M. Davletshin. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 53/54:19-34 Ja-F '64.

PROBABILITIES

Asymptotic normality in the classical problem of pellets. B. A. Sevast'ianov, V. P. Chistiakov. Teor. veroiat. i ee prim. 9 no. 2:223-237 '64.

Control in the case of small random perturbations by a single switching operation. A. P. Cherenkov. Teor. veroiat. i ee prim. 9 no. 2:303-317 '64.

Effect of harmonic and random forces on a self-oscillatory system. V. H. Kolomiiets'. Dop. AN URSR no. 6: 701-704 '63.

The entropy concept in the theory of probability and its application in the theory of transmission of information through communication channels. M Rosenblatt-Roth. Teor. veroiat. i ee prim. 9 no. 2:238-261 '64.

Estimation of a convolution component. E. A Nadaraia. Soob. AN Gruz. SSR 34 no. 1 19-24 Ap '64

The n-level theory of probability V V Chavchanidze, B I Bondarev Soob AN Gruz SSR 31 no 3 537-542 S '63

Probability of a Markov point hitting a plane region of small diameter. M. S Nikol'skii. Teor. veroiat i ee prim. 9 no. 2:352-357 '64.

Probability of detecting a region in linear search. R S. Guter. Teor. veroiat. i ee prim 9 no. 2,365-367 '64.

Some methods for the evaluation of parameters I. Sh Ibramkhalilov. Dokl AN Azerb SSR 20 no. 3 9-15 '64.

Use of summary probability (frequency) curves in processing data on diurnal maximum precipitation L. P. Kuznetsova. Trudy GGO no 162,7-21 '64.

PROBABILITIES—PROBLEMS, EXERCISES, ETC.

Efimochkina, E. P., and N. I. Kozhevnikov. [Problems in the theory of probability] Zadachi po teorii veroiatnostei. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1963. 96 p.

[MICROFILM]

PROBLEM OF THREE BODIES

Problem of three nonidentical particles interacting with a nonlocal factorable potential. G. A. Chilashvili. Soob. AN Gruz. SSR 33 no. 1:35-41 Ja '64.

PRODUCTION ENGINEERING
(see also subdivision under Lugansk)

Accounting for the standstill of machine tools. V G Chirkov Mashinostroitel' no 4 36-37 Ap '64

PRODUCTION STANDARDS

Cherkasov, G. N. [In the interest of millions] V interesakh millionov. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 11)

PROGRAMMED INSTRUCTION

Experiment with programmed teaching aid. I I. Voskresenskii. Vest vys shkoly 22 no. 5 38-39 My '64

In defense of the selective system in setting the answers N V. Volodin Vest vys shkoly 22 no 5 33-36 My '64.

Itel'son, L. B. [Mathematical and cybernetical methods in pedagogics] Matematicheskie i kiberneticheskie metody v pedagogike. Moskva, Prosveshchenie, 1964. 247 p.

Psychological bases of programmed instruction H. S Kostiuk Rad shk. 43 no 5 54-62 My '64

PROGRAMMING (ELECTRONIC COMPUTERS)

Calculation of hyperbolic isoline nets by means of an electronic computer. V. A. Kougiia. Izv vys. ucheb. zav., geod. i aerof. no. 6 35-44 '63.

Chalikov, A. V. [Programming of design calculations] Programmirovanie proektnykh raschetov. Leningrad, Izd-vo "Nedra," 1964. 113 p.

Coding information for machine-part drawings L. B. Beliakova Trudy Proek., tekh. i nauch.-issl. inst no 2:29-50 '63

Coding system for the drawings of machine parts shaped as bodies of revolution V D Panov, P V. Simonov, E A. Vul'fovich. Trudy Proek., tekh. i nauch.-issl. inst no. 2 11-28 '63

Liubchenko, G. G., and I. V. Sergienko. [Computers and programming] Matematicheskie mashiny i programmirovanie. [Kiev] Izd-vo Kievskogo univ., 1963. 219 p.

Methods for saving memory space of digital computers in solving systems of difference equations. I. N Molchanov. Sib. mat. zhur. 5 no. 1,109-123 Ja-F '64.

Program for a more exact definition of crystalline structures by the method of least squares using a large electronic computer. F A Brusentsev. Kristallografiia 8 no. 1:10-15 Ja-F '63.

Programming for the automation of technological designing. N. V. Gerasimova and others. Trudy Proek., tekh. i nauch.-issl. inst no. 2,94-111 '63.

Spatial phototriangulation from oblique aerial photographs using an electronic computer. F. F. Lysenko. Izv. vys. ucheb. zav., geod. i aerof. no. 6:113-129 '63.

Standard program for solving boundary layer problems. V. M. Paskonov. Sbor. rab. VTS MGU 2 110-116 '63.

Use of a BESM-2M computer in solving the self-consistent field equation for atoms V. F. Brattsev Vest LGU 19 no 10 24-30 '64

PROGRAMMING (MATHEMATICS)

"Optimization techniques with applications to aerospace systems" [in English] by Ed. G. Leitmann. Reviewed by M. K. Kerimov. Zhur. vych. mat. i mat. fiz. 4 no. 2: 391-392 Mr-Ap '64.

Using mathematical programming to determine the maximum possible withdrawal of oil. M. A. Mustafazade, F. G. Gasanov, IU. K. Osmanov. Dokl. AN Azerb SSR 19 no. 6:25-29 '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

[illegible] of a synthesis of [illegible] Trud. [illegible]

PROLINE

[illegible] E. A. Brinkov, [illegible] 11 [illegible] 464-472 '64

PROPAGANDA, ANTICOMMUNIST

(see also subdivision under Germany, West)

[illegible] B. [illegible] Nov. vrem. 21 [illegible]

[illegible] agitat[illegible] P. [illegible]t'ev. Kommunist 41 no. 9: [illegible]-119 Je '64

PROPANE

[illegible] diagram of the pyrolysis of ethane and propane. A. A. [illegible]epanov, A. A. [illegible]eparova. Khim. i tekh. topl. i masel 9 no. 6:13-14 Je '64

PROPENE

[illegible] foreign experiments in the use of polypropylene in the manufacture of furniture parts. I. M. Karel'shtein, A. N. Orlov. Der. prom. 13 no. 3:30-31 Mr '64

[illegible] with unsaturated hydro[illegible] Part 11. [illegible] with 2-chloropropene. [illegible] Zhur. ob. khim. 34 [illegible] My '64

Mechanism of the phosphite inhibition of hydrocarbon oxidation. P. I. Levin. Zhur. fiz. khim. 38 no. 3:672-675 Mr '64

Separation of [illegible] from isobutylsulfuric acid by [illegible] without diluting acid with water. V. M. [illegible] Khim. prom. no. 4:[illegible]58-272 Ap '64.

Use of block copolymers of propylene and ethylene oxides for the breaking of petroleum emulsions. D. N. Levchenko, N. V. Nikolaeva, A. D. Khudiakova. Khim. i tekh. topl. i masel 9 no. 3:38-40 Mr '64

PROPENOL

[illegible] ethers of 3-hydroxy-γ-pyrone derivatives in the [illegible] reaction. V. M. Dashunin, M. S. Tovbina. Zhur. ob. khim. 34 no. 5:1438-1441 My '64

PROPHYRIN AND PROPHYRIN COMPOUNDS

Free porphyrin formation by green photosynthetizing bacteria. V. E. Uspenskaia, E. N. Kondrat'eva. Dokl. AN SSSR 157 no. 3:679-683 Jl '64

PROPIONIBACTERIUM

Use of δ-aminolevulinic acid for vitamin B_{12} biosynthesis by resting cells of Propionibacterium shermanii. V. IA. Bykhovskii, N. I. Zaitseva, G. V. Mantrova. Dokl. AN SSSR 157 no. 3:692-695 Jl '64

PROPIONIC ACID

α-C[illegible]alkyl-α-phenylpropionic acids and their aminoalkyl esters. S. G. Kuznetsov, Z. N. Khotlanovskaia, N. I. Fur[illegible]. Zhur. ob. khim. 34 no. 5:1618-1621 My '64

PROPYLAMINE

S-derivatives of thiourea. Part 11: Product of the reaction of 2,3-dibromopropylamine hydrobromides with potassium thiocyanate. V. M. Fedoseev, I. V. Filippovich. Zhur. ob. khim. 34 no. 5:1561-1565 My '64

PROSPECTING

The all-Union public inspection continues. M. P. Filatov. Ugol' 39 no. 6:68-70 Je '64.

Methods of prospecting for sulfide deposits in Baymak District. N. K. Palivoda. Mat. po geol. i pol. iskop. IUzh. Urala no. 3:91-94 '62.

Zubrev, I. N., and A. K. Savel'ev. [Geology and prospecting for placer deposits, 1962] Geologiia, poiski i razvedka rossypnykh mestorozhdenii, 1962. 125 p. (Itogi nauki)

PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Donets Basin)

Acoustic methods of mine geophysical prospecting. V. M. Mikhailovs'kyi, V. M. Pervushyn, O. I. TSykhan. Dop. AN URSR no. 6:757-760 '63.

Materials on the tectonic regionalization of the Uchaly region, based on geophysical data. A. A. Nikolaevskii, M. N. Tiurin. Mat. po geol. i pol. iskop. IUzh. Urala no. 3:55-62 '62.

PROSPECTING—HANDBOOKS, MANUALS, ETC.

Kalichkhin, N. L., and A. S. Muzychenko, eds. [Handbook for mine foremen of prospecting parties] Spravochnik gornogo mastera geologorazvedochnykh partii. [By] A. O. Varcheba i dr. Moskva, Izd-vo "Nedra," 1964. 443 p.

PROSTATE GLAND

Study of the composition of some microelements in the hypertrophied prostate gland. T. G. Saakashvili. Soob. AN Gruz. SSR 31 no. 2:303-308 Ag '63.

PROSTATE GLAND—CANCER

Late results of prostate cancer treatment. A. A. Lapin, N. V. Kurennoi. Vop. onk. 8 no. 10:96-100 '62.

PROSTHESIS

Contemporary prosthetics and construction of prosthesis. B. P. Popov. Ortop., travm. i protez. 24 no. 12:3-9 D '63.

PROTACTINIUM

Cross section of Pa^{231} and Pu^{239} fission by neutrons in the energy range 1.5 to 1500 Kev. S. M. Dubrovina, V. A. Shigin. Dokl. AN SSSR 157 no. 3:561-562 Jl '64

PROTACTINIUM COMPOUNDS

State of the microquantities of elements in aqueous solutions. Cation complexes of protactinium. I. E. Starik, L. I. Il'menkova. Radiokhimiia 5 no. 6:679-683 '63.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Lapping paste and special coatings for cranes made of acid-resistant steels. IU. M. Kotelevskii, P. A. Zhunev. Mash. i neft. obor. no. 11:43-44 '63.

Methods and instruments for measuring the thickness of anticorrosion coatings. L. IA. TSikerman. Zashch. trub ot kor. no. 5:17-26 '62.

Nedzel'skii, M. D. [Application of metallization in industry] Primenenie metallizatsii v promyshlennosti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 52 p. [MICROFILM]

Protecting metal pipelines against corrosion in atmospheric conditions with polymer-cement paints. V. S. Artamonov, L. M. Nebratenko. Zashch. trub ot kor. no. 5:26-37 '62

Seminar on wear-resistant chromium plating and alloys. V. S. Usik. Mashinostroitel' no. 5:41 My '64

Strengthening of glass containers by means of protective organosilicon coatings. B. S. Kirshner. Leh. prom. no. 2:61-63 Ap-Je '64.

Timonova, M. A. [Corrosion of magnesium alloys and their protection] Korroziia i zashchita magnevykh splavov. Moskva, Mashinostroenie, 1964. 285 p.

Vinogradov, P. A. [Protective coatings with additions of molybdenum disulfide and the NDA inhibitor] Zashchitnye smazki s prisadkami dvusernistogo molibdena i ingibitora NDA. Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Zashchita metallov ot korrozii, iznosostoikie antifriktsionnye i dekorativnye pokrytiia)

PROTECTIVE COATINGS—TESTING

Studying the characteristics of thermoplastic coatings. F. F. Zigmund, K. D. Vachagin. Khim. mashinostr. no. 1:34-36 Ja '63.

PROTEIN METABOLISM

Cell proliferation, protein and nuclein metabolism in inflammatory excrescences of the epithelium. L. I. Chekulaeva. Arkh. anat., gist. i embr. 44 no. 6:87-92 Je '63.

Changes in protein and lipid metabolism in atherosclerosis and the effect of some therapeutic substances on it. I. M. Gandzha. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:51-55 '63.

Effect of incorporated radioactive iodine on the protein metabolism in calcified tissues. A. A. Prokhonchukov. Radiobiologiia 3 no. 6:803-804 '63.

Histochemical study of protein substances in the rabbit ovary [with summary in English]. N. M. Lutsenko. Arkh. anat., gist. i embr. 44 no. 6:75-79 Je '63.

Proteins of the nervous system. A. V. Palladin. Priroda 53 no. 7:24-31 '64

Study of protein metabolism of heart muscle in atherosclerosis. Z. A. Sokolova, D. G. Grigor'ian. Dokl. AN SSSR 157 no. 3:740-743 Jl '64.

PROTEINS

Comparative study of the polarographic wave of a protein irradiated by ultraviolet light. I. D. Ivanov, E. E. Rakhleeva. Dokl. AN SSSR 157 no. 3:703-706 Jl '64.

Diagnostic significance of protein sedimentation reactions of the blood in rheumatic fever and chronic septic endocarditis. I. D. Mikhalev. Lab. delo no. 6:333-336 '64.

Digestion of cheese proteins in vitro. Sh. G. Gonashvili. Vop. pit. 22 no. 6:9-12 N-D '63.

Direct participation of the cell nucleus in the secretory protein of the parotid salivary gland. V. IA. Brodskii, V. B. Ivanov, N. V. Nechaeva. Dokl. AN SSSR 157 no. 2:443-446 Jl '64.

Effect of phosphorus nutrition on the fractional and aminoacetic composition of proteins in beans. Fam Suan Khkai, B. P. Pleshkov. Dokl. AN SSSR 157 no. 2:478-481 Jl '64.

Nature of the contractile proteins of tonic and tetanic skeletal muscles. M. M. Zaalishvili, S. V. Dzhibladze. Soob. AN Gruz. SSR 31 no. 1:53-60 Jl '63.

Nature of the spectra of electron paramagnetic resonance of amino acids and proteins subjected to γ-irradiation and light. M. K. Pulatova, O. A. Azizova. Biofizika 9 no. 1:33-39 '64.

Photometric determination of proteins in the cerebrospinal fluid. K. S. Kostakov. Lab. delo no. 6:337-339 '64.

Polarography of tertiary protein structure. I. D. Ivanov, E. E. Rakhleeva. Dokl. AN SSSR 157 no. 2:469-472 Jl '64.

Possibility of the intertryptophan migration of energy in protein systems. S. V. Konev, M. A. Katibnikov, T. I. Lyskova. Biofizika 9 no. 1:124-127 '64

Spectroscopic study of the kinetics and properties of enzyme-substrate complexes in adenosine t[illegible] reaction of contractive muscle proteins. [illegible]shtein, T. B. Suslova. Biofizika 9 no. 1:48-[illegible] '64

Studies on the localization of contractile muscle proteins following denervation with the aid of labeled a[illegible] M. B. Kalamkarova and others. Biofizika 8 [illegible] 698 '63.

Study of the formation of protein complexes with [illegible] nonprotein components. L. A. Lapaeva. Biofizika 9 no. 1:59-63 '64.

PROTEINS AS FEED

Effect of the level of protein feeding on the milk [illegible] cows and weight of progeny. V. A. Sapunov. [illegible] nauch.-issl. inst. zhiv. 3:1[illegible]-201 '63

PROTEINS IN THE BODY

Apparatus for the electrophoresis of tissue proteins [illegible] starch and agar blocks. I. M. Ma[illegible]. Lab. delo no. 6:372-374 '64.

Bio- and histochemical study of nerve fiber proteins (neuraxial) in experimental allergic demyelinating encephalomyelitis. Gr. Benetato and others. [illegible] i eksp. terap. 7 no. 6:3-10 N-D '63.

Change in the proportion of brain proteins in hyper[illegible] A. I. Lukash, Z. S. Gershenovich. Dokl. AN SSSR [illegible] no. 3:714-715 Jl '64

PROTON BEAMS

Further study of the products of iron spallation [illegible] MeV protons. A. K. Lavrukhina and others. Radiokhimiia 5 no. 6:721-732 '63.

PROTONS

Bisnik, B. P., T. Vishki, and Do In Seb. [One of the criteria for the separation of p-p - interactions in nuclear emulsions] Ob odnom iz kriteriev otbora p-p vzaimodeistvii v iadernykh emul'siiakh. Dubna, Ob"edinennyi in-t iadernykh issl., 1963. 5 p.

Mechanism of radioactive decay with proton emission. V. I. Gol'danskii. Dokl. AN SSSR 157 no. [illegible] Jl '64.

Polarographic determination of the equilibrium [illegible] of proton exchange between alcohol molecules and water molecules. IA. I. Tur'ian. Zhur. fiz. khim. 38 [illegible] 1390-1391 Je '62.

Proton decay of radioactive nuclei. V. A. Karnaukhov, G. M. Ter-Akopian. Priroda 53 no. 7:60-64 '64

PROTOPLASM

The plasma-nucleus ratio in the cells of various tissues of vertebrates under the conditions of normal [illegible] and in starvation. K. G. Vibe. Trudy Tbil. sel'khoz. inst. 1:101-116 '63.

PROTOZOA, PATHOGENIC

Cytochemical study of different developmental stages of the gregarine Enterocystis ensis from Cloeon larvae (Ephemeroptera). N. N. Bobyleva. Sbor. rab. Inst. [illegible] no. 3:35-43 '63.

PROTOZOOLOGY—PERIODICALS see subdivision under Poland

PRUT VALLEY—GEOLOGY, STRATIGRAPHIC

History of the geological development of the lower Prut Valley in the Moldavian S.S.R. during the Sarmatian stage. D. S. Slusar'. Izv. Mold. fil. AN SSSR no. [illegible]:24-34 '61.

PRUT VALLEY—LIMESTONE

Making use of the phenomenon of phosphorescence in studying the Sarmatian limestones in the southern Prut Valley, Moldavian S.S.R. V. V. Sinyrev. Izv. Mold. fil. AN SSSR no. 6:69-73 '61.

PSALTERS see subdivision under Kiev

PSEUDORABIES

Pathomorphology of Aujeszky's disease in young dogs in an experiment. N. D. Mikhailiukov. Zap. Vor. sel'khoz. inst. 17 no. 2:69-75 '62

PSEUDOUREA

S-derivatives of thiourea. Part 9: Synthesis of 2-alkyl (aryl)- and 2-dialkylamino-5-(isothiuronium bromide) methyl-Δ^2-thiazoline hydrobromides. V. M. Fedoseev, IU. M. Evdokimov. Zhur. ob. khim. 34 no. 5:1551-1[illegible] My '64.

PSILOPHYTALES

New Devonian species of the genus Cooksonia (Psilophytales). A. L. IUrina. Paleont. zhur. no. 1:107-118 '64

PSKOV PROVINCE—BOTANY

Five years of the study of the flora in Pskov Province. N. A. Miniaev, V. M. Shmidt. Vest. LGU 19 no. 9:135-136 '64.

PSOCOPTERA see subdivision under Armenia

PSOU VALLEY—GEOLOGY, STRUCTURAL

Some tectonical problems of the Psou and Mzymta Basins. M. S. Eristavi. Izv. Geol. ob-va Gruz. 2 no. 2:41-53 '61.

PSYCHIATRY

Perspectives of contemporary foreign psychiatry. E.IA. Shternberg. Zhur.nevr.i psikh 64 no 5 793-796 '64.

Use of indopan in clinical psychiatry. V.G Levit, T.N. Morozova, A.N.Popova. Zhur.nevr i psikh 64 no. 5 768-770 '64.

PSYCHIATRY—BIBLIOGRAPHY see Bibliography—Psychiatry

PSYCHOLOGY, PATHOLOGICAL

Clinical dynamics of the so-called organic psychopathies; catamnestic data. I. L. Kulev. Zhur.nevr i psikh. 64 no. 5:730-734 '64.

Psychopathological characteristics of Laurence-Bardet-Biedl syndrome. R.A.Sirovskaia. Zhur.nevr i psikh. 63 no. 7 1078-1084 '63.

Psychopathology of cerebral cysticercosis. Zhur.nevr i psikh. 64 no. 5 760-767 '64.

PSYCHOPHARMACOLOGY

Relationship between the structure of derivatives of imidazoledicarboxylic diamides and their effect on different segments of the central nervous system I S Borodkin Vest.AMN SSSR 18 no 8 47-54 '63

PSYCHOSES

Memory disturbances in cerebrovascular disorders of the vertebro-basilar system. D.K.Lunev, G A Maksudov, I F.Nikolaeva. Zhur nevr.i psikh 64 no 5 641-646 '64.

Mental disorders in children with chorea. Z.F.Koroeva. Zhur.nevr.i psikh. 63 no. 7:1065-1067 '63.

Moscow. Psikhonevrologicheskaia gorodskaia bol'nitsa No. 3. [Collection of scientific works dedicated to the 150th anniversary of the Hospital] Sbornik nauchnykh trudov, posviashchennyi 150-letiiu bol'nitsy. Pod obshchei red. V.M. Banshchikova i N.N. Krylovoi. Red. kollegiia: A.N. Zalmanzon i dr. Moskva, 1963. 487 p. [Cover title: Voprosy kliniki patofiziologii, patoanatomii, terapii psikhozov i organizatsii psikhonevrologicheskoi pomoshchi].

(DNLM)

Neural and mental disorders in children during corticosteroid treatment. V.N.Bondarev. Zhur.nevr.i psikh. 63 no. 7:1094-1096 '63.

Studies on indole substances in children and adolescents with schizophrenia and other psychoses. Report No. 2. R. A. Aleksaniants. Zhur.nevr.i psikh. 63 no. 7:1022-1026 '63.

PUBLIC BUILDINGS

Mal'tsev, V.I., and others. [Effect of decisions in public building design on lowering their maintenance costs] Vliianie proektnykh reshenii obshchestvennykh zdanii na snizhenie zatrat pri ikh ekspluatatsii. Moskva, Stroiizdat, 1964. 58 p.

Nomenclature for models of public buildings. A.Z.Daniliak Biul.stroi.tekh. 21 no. 1:38-39 Ja '64.

PUBLIC HEALTH

(see also subdivision under Amur Province; Kirghizistan; Kursk Province; Nagorno-Karabakh Autonomous Province)

Lenin's analysis of the social foundations of public health and current problems. B M Potulov, V.S.Il'ichev Vest.AMN SSSR 18 no 8 3-13 '63.

Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the R.S.F.S.R., session, June 10-11, 1964. Verbatim report] Zasedaniia Verkhovnogo Soveta RSFSR shestogo sozyva; tret'ia sessiia (10-11 iiunia 1964 g.) Stenograficheskii otchet. [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1964. 216 p.

Social and biological regularities related to the health of man. E.IA.Belitskaia. Zdrav.Ros.Feder. 8 no.5: 4-8 My '64.

Social problems in medicine. V.P.Chekurin, V.D.Zhirnov. Vest.AMN SSSR 18 no. 8:88-92 '63

PUBLIC HEALTH—RESEARCH

Two fields for scholarly studies. Kommunist 41 no. 9: 122-128 Je '64.

PUBLIC HEALTH—STUDY AND TEACHING

Teaching of the organization of public health service. G.F.Emel'ianova, V.P.Barilenko. Zdrav.Ros.Feder. 8 no.5:35-36 My '64.

PUBLIC HEALTH, RURAL

Method of determining the standards of the requirements in therapeutic and prophylactic services by the rural population. N.A.Iozhitsa. Zdrav.Ros.Feder. 8 no.5:37-42 My '64.

PUBLIC INSTITUTIONS—ACCOUNTING

Accounting centralization and machine accounting in public institutions. E.Dedkov. Fin.SSSR 38 no.7: 17-21 Jl '64.

PUBLIC OPINION see subdivision under United States

PUBLIC PROSECUTORS

The role of the Soviet public prosecution system at various stages of U.S.S.R. history. IU.P.Mironenko. Mat.i soob.Issl.otd.Inst.po izuch.SSSR no 53/54: 52-67 Ja-F '64

PUBLISHERS AND PUBLISHING

Publishing in the national republics of the U.S.S.R. S.I Stankevich Mat i soob.Issl.otd.Inst po izuch.SSSR no 48 258-264 '63

PUBLISHERS AND PUBLISHING—STATISTICS

Worldwide standardization of the statistics of book and periodical publications T.S.Gorbunova. Sov bibl. no 3:123-127 '64.

PUGACHEV REBELLION

"The Russian peasant war of 1773-1775" by V.V.Mavrodin. Reviewed by N.I.Pavlenko. Ist. SSSR 7 no. 2:174-178 Mr-Ap '63.

PULMONARY EDEMA

Effect of novocaine block in the stellate ganglia on diphosgene-induced pulmonary edema N.I Karakchiev. Pat fiziol i eksp terap 7 no 6 71-72 N-D '63

PULMONARY EMBOLISM

Prevention of embolism in the pulmonary artery. G P. Zaitsev. Khirurgiia 40 no.2:110-113 F '64.

PULSE TECHNIQUES (ELECTRONICS)

Coincidence of the pulses of steady dependent currents N.M.Sediakin. Radiotekh i elektron. 9 no. 5 791-799 My '64.

Compensatory measurements of pulse voltage. L.S. Neustroev and others. Izm.tekh no. 4:53-54 Ap '64.

Measurement of the sequence of high-voltage square pulses. L.Z.Gogolitsyn. Izm.tekh. no.5:38-41 My '64.

Stabilization of time parameters. V.A.Il'in. Avtom.i telem. 25 no.6:991-998 Je '64.

Study of the breakdown delay time of gaps with irradiation for use in nanosecond pulse techniques G.A. Mesiats, IU P Usov, G S Korshunov Radiotekh i elektron. 9 no 5.882-887 My '64

PUMPING MACHINERY

Decentralized systems of petroleum enterprise reservoir pumping using electric sinking pumps. V.A.Bunchuk. Transp.i khran.nefti i nefteprod. no. 4:20-26 '64.

Effect of the trimming of the rotor wheel of a sectionalized feed pump. V V Maliushenko. Energetik 12 no. 4.20-22 Ap '64

Transfer of hot bitolylmethane. E.G.Mangalin. Khim. prom. no. 4.304-306 Ap '64.

Type and size of pumping stations for coal and ore mines. P.E.Zurkov, A.I.Borokhovich. Shakht.stroi. 8 no 4 8-9 Ap '64

PUMPING MACHINERY—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref.zhur.: Nasosostr.i kompressorostr. no. 7 Jl '64.

PUMPING MACHINERY, ELECTRIC

General study of the power efficiency of feed pump drives of large electric power plants. V.IA.Ryzhkin, E.P. Volkov. Teploenergetika 10 no. 10:30-35 O '63.

PUMPING STATIONS

(see also subdivision under Ukraine)

Automation of petroleum-trap and sewerage pumping stations. R.N.Nazipov. Transp.i khran.nefti no. 3: 28-29 '63.

Increasing the efficiency of pumping stations. N.L. Zonn, G.M.Galimullin. Transp.i khran.nefti i nefteprod. no. 4:4-7 '64.

PUNCHED CARD SYSTEMS

Method for coding and processing data of clinical electroencephalography. A.Sirakov, I.Mezan. Zhur.nevr.i psikh. 64 no. 5:680-685 '64.

PUNCHING MACHINERY

Automatic machines for punching slits. P.V.Knysh. Mashinostroitel' no. 5:8 My '64.

PUNCTURES (MEDICINE)

Contrast investigation of the heart and large vessels by the method of direct punctures. V.A.Kartavova and others. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:577-583 '63.

Diagnostic puncture of the atrium sinistrum with catheterization of the left cavities of the heart and the aorta. F.G.Uglov and others. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:569-575 '63.

PUNISHMENT

In the Presidium of the Supreme Soviet of the U.S.S.R. Sov.gos.i pravo 34 no. 5:69 My '64.

Law on correctional labor and pedagogy. N.A.Struchkov. Sov.gos.i pravo 34 no. 5:70-78 My '64.

PUPIL (EYE)

Mechanism of the development of "habituation" of response potentials in the visual system. G.G.Lezhava. Soob. AN Gruz.SSR 31 no. 3:707-714 S '63.

PUS see Suppuration

PUTILA VALLEY—FLYSCH

Characteristics of the structure and conditions governing the accumulation of flysch formations of the Krasnenskaya series in the region of the Belyy Cheremosh and Putila Rivers V.S.Sasinovich. Geol. zhur. 23 no. 4:79-82 '63

PYRAN

Pyran series, its analogs and related compounds Part 6 Polycyclic pyran systems 1) 4'-methyl-α-pyrono[5,6 6',5'] chromone-2-carboxylic and 3'-methylfurano[5,6 5'4] chromone-2-carboxylic acid and their derivatives. V.A Zagorevskii, Sh M Glozman Zhur ob khim 34 no. 5 1506-1512 My '64

Synthesis of 2,6-dialkoxy-Δ^3-dihydropyrans (cyclic acetals of glutaconaldehyde). S.M.Makin, V.M.Likhosherstov, M.I.Shelemina. Zhur.ob.khim. 34 no.6: 1809-1815 Je '64.

PYRANCARBOXYLIC ACID

Series of pyran, its analogs and related compounds. Part 6: Interaction of the derivatives of 4,4-dichlorochromene-2-dicarboxylic acid with aromatic amines. V.A.Zagorskii, I.D.TSvetkova, E.K.Orlova. Zhur. ob.khim. 34 no.6:1911-1917 Je '64.

PYRANONE

Allyl ethers of 3-hydroxy-γ-pyrone derivatives in the Claisen reaction V M Dashunin, M S Tovbina Zhur.ob.khim. 34 no. 5 1436-1441 My '64

PYRGEOMETER

Calculation of a hemispherical emitter for pyrgeometer graduation. T.D.Voitikova. Trudy GGO no. 152.160-167 '64.

PYRHELIOMETER

Calculation of certain errors of a bolometric pyrheliometer. IU.A.Skliarov. Trudy GGO no. 152:81-89 '64.

PYRIDINE

Secretory function of the stomach in niacin deficiency induced by β-acetylpyridine administration S IA.Mikhlin, M.F.Nesterin Pat fiziol.i eksp terap. 7 no. 6: 61-64 N-D '63

Synthesis of esters of the pyridine series. B.A. Porai-Koshits and others. Zhur.prikl.khim. 37 no. 5:1081-1087 My '64.

PYRIDINIUM COMPOUNDS

Infrared spectra and structure of complex compounds of uranyl nitrate with cesium and pyridinium nitrates. A.A.Lipovskii, M.G Kuzina Radiokhimiia 5 no. 6: 668-674 '63.

Interaction of acetylpyridinium salts with dialkyl anilines. A.N.Kost, A.K.Sheinkman, N.F.Kazarinova. Zhur.ob.khim. 34 no.6:2044-2049 Je '64.

Reactions of pyridinium salts. Part 3: Interaction of bromocyanides of pyridinium bases with amines. A.F. Vompe and others. Zhur.ob.khim. 34 no.6:1758-1771 Je '64.

PYRIDONE

Syntheses in the pyridine series. Part 6: Nucleophilic addition of thiopyridones to α, β-unsaturated compounds I.Kh.Fel'dman, A.V Voropaeva Zhur.ob khim. 34 no 5.1547-1548 My '64.

Syntheses in the pyridine series Part 6: Addition of thiopyridones to α, β-unsaturated compounds. A.V. Voropaeva, Kh Sh Chibiliaev. Zhur.ob.khim. 34 no 5 1548-1550 My '64.

PYRIMIDINES

Effect of some pyrimidine derivatives on the metastasis of transplantable SSK rat sarcoma. I.F.Grekh, R.S. Karlinskaia, I.L.Turbina. Vop.onk. 10 no. 2:98-105 '64.

New case of hydrolytic cleavage of quinazoline pyrimidine ring. N.N.Vershchagina, I.IA.Postovskii, S.L. Mertsalov. Zhur ob.khim. 34 no. 5:1689 My '64.

PYRIMIDINEACETIC ACID

Possibility and conditions of decarboxylation of uracil-4-acetic acid. IU.P.Shvachkin, M.K. Berestenko, G.P.Mishin. Zhur.ob.khim. 34 no. 5:1687-1688 My '64.

PYRITES see subdivision under Bashkiria; Dzhusa Valley; Ural Mountain region; Ural Mountains

PYROGENS

Causes of the development of pyrogens in the purification and concentration of antitoxic serums. E.I. Ivanova and others. Trudy Irk.NIIEM no. 6:90-97 '61.

PYROLYSIS

I-T diagram of the pyrolysis of ethane and propane. A.V.Stepanov, A.A.Stepanova. Khim.i tekh.topl.i masel 9 no. 6:10-14 Je '64.

"Macromechanism" of carbon formation in the decomposition of benzene on compressed carbon black. A.P. Rudenko and others. Zhur.fiz.khim. 38 no. 3:616-622 Mr '64.

Pyrolysis of casing head gas. I.M.Starshov, R.K. IAkupova. Neftaper.i neftekhim. no. 8:13-16 '63.

PYROLYSIS (Continued)

[illegible] reactions in the fluidized [illegible] and others. Khim.i [illegible] 37-71 O '62.

PYROMETERS

[illegible]

PYROMETRY

[illegible] pyrum- [illegible] 442-49 Ap '64

PYROPHOSPHATES

[illegible] waves and reversing current in the electrodeposition of copper from a pyrophosphate electrolyte [illegible], A I Levin, M B Nusakina Zhur prikl khim 37 [illegible] 1753-1757 My '64

PYRROLE

[illegible] and forma- [illegible] 157 no 2 367-370 Jl '64

[illegible] diarylmethane series [illegible] Zhur ob khim 34 no 5 [illegible]

PYRROLOPYRIDINE

[illegible] Part 6 Synthesis of 4- [illegible] and 6- [illegible] M IA Urshskaia, [illegible] Zhur ob khim 34 no 5 1443-1455 My '64

[illegible] Part 7 Dehydrogenation of [illegible] derivatives with sodium in [illegible] M IA Urshskaia [illegible] 34 no 5 1456-1458 My '64

PYRYLIUM COMPOUNDS

Synthesis of 1 3 disubstituted 5 6 7, 8-tetrahydroiso- [illegible] salts G N Dorofeenko, V I Dulenko Dokl AN SSSR 157 no 2 361-363 Jl '64

Synthesis of 1,4-phenylenebispyrylium salts. S.V. Krivun, G N Dorofeenko Zhur ob khim 34 no 6- 2091-2092 Je '64.

Q FEVER see subdivision under Kirghizistan; Uzgen region

QUADRICS

Quadrics in n-dimensional hyperbolic space. S. L. Pevzner. Soob. AN Gruz. SSR 33 no. 1 15-17 Ja '64.

QUANTUM ELECTRODYNAMICS

[illegible] formula for an n-dimensional real [illegible] and an algebraic model of quantized wave fields G. A Zaitsev. Dokl. AN SSSR 156 no. 2,294- [illegible]

QUANTUM FIELD THEORY

Effective method of calculating the S-matrix in quantum field theory. Part 2 IU M Lomsadze Nek probl sovr fiz iadra i elem chast no 1 19-38 '57

The idea of developing the nonlocal field theory. IU M Lomsadze B I Maksimov Nek probl sovr fiz. iadra i elem chast no 1 14-18 '57

Quantization of the "free" fields in generalized quantum theory. IU M Lomsadze Nek probl sovr fiz iadra i elem chast no 1 5-13 '57

QUANTUM THEORY

Calculating the Stark effect in the hydrogen atom M N. Adamov, V K Kagan T K Rebane Vest LGU 19 no 10 31-39 '64

Method of the modulated electron beam and its use in the study of optical excitation functions I I Geitsi Vest LGU 19 no 10 47-55 '64

Radiation on the second optical harmonic. V.S. Mashkevich. Ukr. fiz. zhur. 9 no. 2:226-229 F '64.

Saturation of absorption in an oscillatory spectrum. Dispersion of the saturation O I L'vov Vest LGU 19 no 10 11-23 '64.

QUARRIES AND QUARRYING
(see also subdivision under Priozersk District; Ukraine)

Dustiness of the air during underground mining of shell limestone V T Trush Sbor. nauch. trud. KGRI no 21 127-133 '63

QUARTZ
(see also subdivision under Lvov-Volyn' Basin)

Temperature dependence of the dielectric constant of crystalline and molten quartz. V.G. Zubov, M.M. Firsova, T.M. Molokova Kristallografiia 8 no.1: 112-114 Ja-F '63.

QUARTZ, EFFECT OF RADIATION ON

Some regularities in the variation of the Raman spectrum of α-quartz when irradiated by fast neutrons. V.G. Zubov, L.P. Osipova. Dokl. AN SSSR 156 no. 2 300-301 My '64

QUARTZ CRYSTALS—DEFECTS

Disclosure of dislocations in quartz by the method of selective etching. E.V. TSinzerling, Z.A. Mironova. Kristallografiia 8 no.1:117-120 Ja-F '63.

QUARTZITE

Two genetic types of secondary quartzites. E.O. Lazarenko. Dop. AN URSR no.6:811-814 '63.

QUEUING THEORY

Problems involving multistage queueing with losses. N.V. IArovitskii. Ukr. mat. zhur. 16 no.3:421-427 '64.

Remark on stationary streams of uniform events. P.I. Vasil'ev, I.N Kovalenko. Ukr. mat. zhur. 16 no.3:374-375 '64.

Second-order modeling in application to a certain device. A. Akhmedov. Zhur. vych. mat. i mat. fiz. 4 no.2: 327-337 Mr-Ap '64.

QUINAZOLINE

New case of hydrolytic cleavage of quinazoline pyrimidine ring N N. Vereshchagina, I. IA Postovskii, S L Mertsalov Zhur ob khim. 34 no 5 1689 My '64.

QUINAZOLINONE

Benzodiazine series. Part 5: 4-R-4,5-dihydro-s-triazolo[1,2-]-5-quinazolinones and 4-R-4,5-dihydrotetrazolo[1,2-]-5-quinazolinones. N.N. Vereshchagina, I IA Postovskii. Zhur. ob. khim. 34 no 6:1745-1748 Je '64.

QUINOLINE

Solubility of the nitrates, monosubstituted phosphates, and chromates of quinoline and isoquinoline in water I G Belavina, M M Potashnikov. Zhur. prikl khim 37 no 5:1025-1029 My '64.

QUINONE

Derivatives of imidazole Part 35 Benzimidazole 6,7-quinones E R Zakhs, L S. Efros Zhur ob khim. 34 no 5 1633-1636 My '64

QUINOXALINE

N-oxides of the quinoxaline series. Part 7: Hydroxymethylation of 2-methyl- and 2,3-dimethylquinoxalines and their N-oxides. A.S. Elina, L G TSyrul'nikova. Zhur. ob. khim. 34 no.6:2077-2081 Je '64.

RABBITS
(see also subdivision under White Russia)

Commercial quality of rabbit pelts. V.I. Lepeshkin. Nauch. trudy Nauch.-issl. inst push zver. i krol. 4. 126-151 '63.

Orlovskii, V. I., V. S. Zotova, and B. A. Gusev. [Aid to the rabbit raiser] V pomoshch' krolikovodu. Minsk, Izd-vo "Urozhai," 1963. 165 p.
(DNAL)

RABBITS—DISEASES AND PESTS

Therapy and prophylaxis of coccidiosis in rabbits V.G. Nesmashnaia. Vest sel'khoz nauki [Kazakh.] 7 no. 6. 61-64 Je '64

RABBITS—PARASITES see Parasites—Rabbits

RABIES

Atypical case of rabies in a cow. F.E Sal'nikov. Vest. sel'khoz nauki [Kazakh.] 7 no 6 46-49 Je '64

RABIES—MICROBIOLOGY

Comparative morphological study of the cytopathogenic effect of related viruses of street rabies and rabieslike disease of polar animals. G.V. Konovalov. Dokl. AN SSSR 157 no. 2:451-453 Jl '64

RABIES—PREVENTIVE INOCULATION
(see also subdivision under Irkutsk)

Comparative evaluation of the biological properties of the Leningrad and Moscow strains of a fixed rabies virus. S. F. Politova, N. D. Petrova. Trudy Irk. NIIEM no. 6: 129-133 '61.

Effect of nonspecific stimuli on the immunogenesis in experimental rabies, author's abstract. N. D. Petrova. Trudy Irk. NIIEM no. 6:134 '61.

Experimental study of immunization with dry preparations the Irkutsk modified antirabic vaccine (with a live fixed virus) and the Fermi vaccine. V. A. Florensova. Trudy Irk. NIIEM no. 6:118-123 '61.

Paths of improving antirabic vaccination. V. A. Florensova. Trudy Irk. NIIEM no. 6:109-117 '61

RACHIN DEPRESSION—LANDFORMS

Morphology of the southern part of the Rachin Depression. E.D. TSereteli. Soob. AN Gruz. SSR 31 no. 1:61-66 Jl '63.

RADAR

Evaluating the accuracy and usefulness of the radar method for studying currents. I.S. Nikitin. Trudy GGO no. 150:145-151 '64.

RADAR, MILITARY

Radar devices see farther. V. Orda. Komm. Vooruzh. Sil 4 no.13:70-73 Jl '64.

RADAR IN ASTRONOMY

Planet radar. G. Petrov. Av. i kosm. 46 no.5:71-79 My '64.

RADAR METEOROLOGY

Experience in distance measurement of precipitation quantity by radar. M.L. Markovich, V.M. Muchnik. Trudy UkrNIGMI no.36:74-82 '63.

RADIANT HEATING

Moscow. Nauchno-issledovatel'skii institut sanitarnoi tekhniki [Technical instructions for designing and building central heating systems with glass-concrete panels] Tekhnicheskie usloviia na proektirovanie i ustroistvo sistem tsentral'nogo otopleniia so steklobetonnymi paneliami. Moskva, Stroiizdat, 1964. 60 p.

Radiant heating in a hypersonic flow. L. M. Biberman and others. Kosm. issl. 2 no 3:441-454 My-Je '64.

RADIATION
(see also subdivision under Black Sea)

Differential equations for radiation flux. E. L. Podol'skaia. Trudy GGO no. 150:53-56 '64.

Radiation diagrams. F. N. Shekhter. Trudy GGO no. 15 57-62 '64.

RADIATION—DOSAGE

Taking the irregularity of specific energy loss into account in the calculation of medium alpha irradiation doses. A. M. Kononenko. Radiobiologiia 3 no 6 915-919 '63.

RADIATION—PHYSIOLOGICAL EFFECT

Effect of ionizing radiation on the heart. P. D. Gorizontov, B.B. Moroz. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:493-498 '63.

Gamma-ray induced H-mutation of the extracellular phage T2. S. N. Ardashnikov, V N. Soifer, D. M Gol'dfarb Vest. AMN SSSR 18 no. 12.43-50 '63.

Morphological changes in the optic nerve exposed to the action of ionizing radiation. L. S. Berggrun. Trudy SMI 15:100-108 '62.

Postirradiation recovery of Escherichia coli irradiated under different conditions (in air, in nitrogen and in nitrogen in the presence of cysteamine). L. A. Val'dshtein, V. D. Zhestianikov. Radiobiologiia 3 no. 6:809-814 '63.

Radiosensitivity of female gametes in ante- and postnatal periods in rats. E A Pozhiduev. Dokl. AN SSSR 157 no 3:684-687 Jl '64.

RADIATION—SAFETY MEASURES

Effect of preliminary irradiation on the radioresistance of noninbred rats. S. P. Vlasenko, E. L. Shakhnazarian. Izv. AN Arm. SSR. Biol. nauki 17 no. 1:37-40 Ja '64.

Methodology for determining the dosage rates for the gonads during X-ray diagnosis procedures. D. A. Petrov, N. M. Palladieva, P. S. Pivanova. Vest rent i rad. 38 no. 3:56-58 My-Je '63.

RADIATION-PROTECTIVE AGENTS

Free oxygen concentration in the brain and bone marrow of rabbits following the injection of chemical protective agents against ionizing radiation. N. I. Bicheikina. Radiobiologiia 3 no. 6:800-802 '63.

Mechanism of the radioprotective action of cystamine (2-aminoethyldisulfide). E. IA. Graevskii and others Radiobiologiia 3 no. 6:801-807 '63.

Nature of "inverse" oxygen effect in ionizing radiation. L. Kh. Eidus. Radiobiologiia 3 no. 6:920-922 '63.

Oxidation-reduction potential as an index of the antiradiation effectiveness of various actions. O. V. Sutormakov Radiobiologiia 3 no. 6:806-808 '63.

Protective action of diethylstilbestrol. V. I. Sustikov. Radiobiologiia 3 no. 6:880-890 '63.

Review of the book "Biological and chemical protection against radiation", by R. Huber and E. Spode. V. P. Paribok. Radiobiologiia 3 no. 6:923 '63.

RADIATION SICKNESS

Action of X rays and hormones on the penetration of labeled albumin into an inflammatory focus. E. R Bagramian, D. E. Grodzenskii Pat. fiziol. i eksp terap 7 no 6.27-31 N-D '63.

Antinarcotic action of analeptics in radiation sickness V. N. Patalova. Farm. i toks. 26 no. 1:84-91 Ja-F '63.

Change in the content of some amino acids in the blood and urine under the influence of low temperature and ionizing radiations. IU. K. Ledentsov, E. M. Larionova. Biul. eksp. biol. i med. 56 no. 8:60-64 Ag '63.

Dynamics of pathohistological changes in the retina of the eye in experimental acute radiation sickness L. S. Berggrun. Trudy SMI 15:180-189 '62.

Effect of some nicotinic acid preparations on phagocytosis in irradiated animals. E. M. Chukichev Farm. i toks 26 no. 1:80-84 Ja-F '63.

Neurohumoral substances of dog blood in acute radiation sickness. Report No. 1. Changes in the acetylcholine-cholinesterase system of the blood. N. E. Kuznetsova. Radiobiologiia 3 no. 6.820-826 '63.

Quantitative characteristics of the oocytes of the ovaries of white rats in acute radiation sickness. V. IA. Karmysheva. Biul. eksp. biol. i med. 56 no. 8:97-101 Ag '63.

Some hemodynamic indices in radiation sickness caused by disorders in cortical dynamics. G. S. Akhmeteli. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:499-502 '63.

Use of diazoline in experimental acute radiation sickness. S. A. Davydova, E. N. Shcherbova. Pat. fiziol. i eksp. terap. 7 no. 6:72 N-D '63.

RADIATION STERILIZATION

Utilization of the bactericidal action of erythemal lamps for sterilizing nutritional solutions in hydroponics. G.S. Davtian, A.K. Minasian, M.A. Babakhanian. Izv. AN Arm.SSR. Biol.nauki 16 no.9:95-97 S '63.

RADICALS (CHEMISTRY)

Activation energy of radical reactions. IU.L. Spirin. Zhur.fiz khim 36 no 6:1202-1204 Je '62

Antitumorigenic activity of stable free radicals N.P. Konovalova and others. Dokl AN SSSR 157 no 3:707-709 Jl '64

Electron paramagnetic resonance study of the structure and behavior of radicals arising under the effect of γ-, β-, and ultraviolet rays on acetaldehyde and formaldehyde. V.I.Smirnova and others Zhur.fiz khim. 38 no.3:742-745 Mr '64.

Nature of the reducing particle produced by irradiation of water and aqueous solutions V N.Shubin Dokl AN SSSR 157 no.3:664-667 Jl '64.

New data on the sensitized formation of cation radicals in the low temperature radiolysis of films containing aromatic amines. R.I.Miliutinskaia, Kh.S.Bagdasar'ian. Zhur.fiz.khim. 38 no.3:776-778 Mr '64.

Study of free radicals in biological objects generated during the course of enzymatic reactions by the electron paramagnetic resonance method. A.G. Chetverikov and others. Biofizika 9 no.1:18-24 '64.

RADIO

Transistorized automatic gain control stages. I. Vasil'kevich. Radio no.3:38-40 Mr '64.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref.zhur.: Radiotekh.i elektrosviaz' no.6 Je '64. Predmetnyi ukazatel' za 1963 g.

RADIO—ANTENNAS

Fiebranz, August. [Antenna devices for the reception of radio and television broadcasts. Translated from the German] Antennye ustroistva dlia priema televideniia i radioveshchaniia. Moskva, Izd-vo "Sviaz," 1964. 248 p. (Biblioteka "Televizionnyi priem," no. 12)

RADIO—EQUIPMENT AND SUPPLIES

Exchange of experience. Radio no.3:31, 37, 44, 51, 53, 54, 55, 56, 58, 61 Mr '64.

Our consultations. Radio no.3:62-63 Mr '64.

Through the pages of foreign magazines. Radio no.3:59-61 Mr '64.

RADIO—SCIENTIFIC APPLICATIONS

"Radiotelemetering" marking of animals L. S. Lebedeva Priroda 53 no.7:64-66 '64

RADIO, MILITARY

Initiators. N.Krasutskii. Voen.vest. 42 no.12:97-99 D '62.

Roads to mastery. V.Travin Voen.vest. 42 no.12:91-94 D '62.

We work with each man. S.Evpak. Voen.vest. 42 no.12:95-97 D '62.

RADIO, SHORTWAVE

Shortwave radio transmitter-receiver. IA. Lapovok. Radio no.3:23-25 Mr '64.

RADIO AND MUSIC

This is Moscow speaking. E.Kabalkina. Sov.voin 46 no.12:30-31 Je '64.

RADIO ASTRONOMY

Measurement of the transparency of the atmosphere in the 0.87 mm. band. V.IA.Riadov, N.I.Furashov, G.A. Sharonov. Radiotekh i elektron. 9 no.6:943-949 Je '64.

Observation of the radio emission from Jupiter at a wavelength of 6.5 cm at Pulkovo V.IA.Gol'nev, N.M. Lipovka, IU.N.Pariiskii Dokl AN SSSR 157 no 3:554-556 Jl '64.

RADIO CLUBS

Contribution of radio amateurs to technological progress. Radio no.3:1-2 Mr '64.

The "Smena" radio club. I.Borisova. Radio no.3:5 Mr '64.

Their creative work affects our lives. G.Belevich. Radio no.3:12 Mr '64.

RADIO DIRECTION FINDERS

Physical conditioning of a "hunter." S.Zhukov. Radio no.3:10-11 Mr '64.

RADIO FREQUENCY ALLOCATION

New scale of frequency bands for industrial enterprises using RF systems. G.A.Speranskii. Trudy NIITVCH no.4:137-139 '63.

RADIO IN AGRICULTURE

Garlmen, G.A. [Radioelectronics in agriculture] Radioelektronika v sel'skom khoziaistve. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 524)

RADIO IN INDUSTRY

Radio and television for builders. V.Nuzhnyi. Stroi.i arkhit. 12 no.5:37-38 My '64.

RADIO JOURNALISM

Revenko, Arkadii. [At the microphone, our correspondent] U mikrofona nash korrespondent. Moskva, Gos. komitet Soveta Ministrov SSSR, 1964. 95 p.

RADIO LINES

Local reflection coefficients of junctions with an arbitrary number of steps L R IAvich. Radiotekh i elektron 9 no 4:750-752 Ap '64

RADIO MEASUREMENTS

Radio interferometer with frequency multiplication V I Babii, V V. Vitkevich Radiotekh i elektron 9 no 6 960-965 Je '64

RADIO MEASUREMENTS—EQUIPMENT AND SUPPLIES

Official testing of radio-measuring instruments L N Brianskii Izm tekh. no 4 50-51 Ap '64

RADIO OPERATORS

(see also subdivision under Europe)

CQ SSB. Radio no.3:16-17 Mr '64.

Friends meet again. G.Bezymenskii, D.Penkin. Radio no.3:18-19 Mr '64.

Masters advice to masters. Radio no.3:6 Mr '64.

Our wonderful girls. Radio no.3:4 Mr '64.

Physical conditioning of a "hunter." S. Zhukov. Radio no.3:10-11 Mr '64.

Practice before the Spartakiada. F.Rosliakov. Radio no.3.7-9 Mr '64.

Ultrashort waves. Radio no.3:14-15 Mr '64.

RADIO RELAY SYSTEMS

Kalinin, A.I. [Calculation of radio relay line routes] Raschet trass radiorelеinykh linii. Moskva, Izd-vo "Sviaz'," 1964. 246 p.

RADIO STATIONS—EQUIPMENT AND SUPPLIES

Goron, I.E. [Construction of skeleton diagrams and level diagrams of radio broadcasting channels] Postroenie skeletnykh skhem i diagramm urovnei radioveshchatel'nykh traktov. Moskva, Izd-vo "Sviaz'," 1964. 23 p. (*Tekhnika radioveshchaniia*)

RADIO WAVES

Skin effect in transient operation. V.I.Volosov, B.V. Chirikov. Radiotekh.i elektron. 9 no.5 910 My '64

RADIOACTIVE FALLOUT

Ascent altitude of a radioactive cloud. *N. Litvinov.* Av.i kosm. 47 no.6 94-95 Je '64.

Coagulation of radioactive aerosols with cloud droplets. B.I. Styro and others. Soob.AN Gruz.SSR 33 no.1: 61-67 Ja '64.

Gamma-radiation field of a radioactive contamination surface in an area of the lowest layer of the atmosphere. IU.A. Izrael'. Izv.AN SSSR. Ser. geofiz. no.7:1103-1115 Jl '64.

RADIOACTIVE PROSPECTING

Bondarev, V.M., and others. [Gamma-sampling of uranium ores in their natural occurrence] Gamma-oprobovanie uranovykh rud v estestvennom zaleganii. Pod red. A.I. Nikonova. Moskva, Izd-vo "Nedra," 1964. 204 p.

Gamma-spectrometric continuous activation logging in bauxite deposits. I.N.Sen'ko-Bulatnyi. Izv.AN SSSR. Ser.geofiz. no.7:1030-1036 Jl '64.

RADIOACTIVE PROSPECTING—GRAPHIC METHODS

Russia (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet. [Album of diagrams used for quantitative determinations in gamma logging] Al'bom grafikov, ispol'zuemykh dlia kolichestvennykh opredelenii pri gamma-karotazhe. [Leningrad] Izd-vo "Nedra" [1963] 10 p.

RADIOACTIVE SUBSTANCES

Efendiev, G.Kh., R.A.Alekperov, and A.N.Nuriev. [Problems in the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 149 p.

Preparation of films of the oxides of Th, U, Pu, and rare-earth elements by electrodeposition from organic solutions. B.A.Gvozdev, IU.T.Chuburkov Radiokhimiia 5 no.6:712-715 '63.

RADIOACTIVE SUBSTANCES—DECAY

Proton decay of radioactive nuclei. V.A.Karnaukhov, G.M.Ter-Akopian. Priroda 53 no.7:60-64 '64

RADIOACTIVE TRACERS

Application of radioactive tracers for the study of intrapopulational connections as an epizootiological factor in the colony of greater gerbils (Rhombomys opimus). IU.V.Rudenchik. Zool.zhur. 42 no.12:1849-1856 '63.

Radioactive isotopes and algae. G.V.Barinov. Priroda 53 no.7:82-83 '64.

Radioactive isotopes in clinical and experimental cardiology. Z.M.Volynskii. Trudy Inst.klin.i eksper. kard.AN Gruz.SSR *6:507-510* '63.

Results of study of the functional state of the cardiovascular system by means of radioactive isotopes. I.G. Kobiashvili. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:503-506 '63.

Separation of tracer compounds by the method of gas chromatography. S.A.Volkov, K.I.Sakodynskii. Atom.energ. 17 no.1 70-71 Jl '64

RADIOACTIVITY

Natural radioactivity of organisms Report No.1: Radioactivity of some vertebrates. Zh Lambrev, N.Balabanov. Radiobiologiia 3 no 6:875-876 '63.

RADIOACTIVITY—MEASUREMENT

Electronic recording unit for continuous measurement of the alpha radiation of radioactive gases. A.F. Vinogradov, S P.Rybak, M.D.Shibanova. Izm.tekh. no.5:53-56 My '64.

No-noise apparatus for measuring slight radioactivity. G.M. Mirianashvili and others. Soob.AN Gruz.SSR 31 no.1:31-36 Jl '63.

Radioactivity profiles in overcast air. B.Styra, E.Vebra, K.Sopauskas. Trudy AN Lit.SSR.Ser.B no.1:3-9 '64.

Selectivity of some methods for sampling radioactivity in the air. B.Styra, V.Matulevicius. Trudy AN Lit. SSR.Ser.B no.1:35-44 '64.

Use of the filter "saturation" method for recording the diurnal variations of atmospheric radioactivity. V.Matulevicius. Trudy AN Lit.SSR.Ser.B no.1:29-33 '64.

RADIOACTIVITY—PHYSIOLOGICAL EFFECT

Is there radioactive radiation in mines? Sov shakht. 12 no.1:44 Ja '63.

RADIOACTIVITY—SAFETY MEASURES

Special treatment. I Kantyrev. Starsh -serzh no.6: 28-29 Je '64

RADIOBIOLOGY

Some results and problems in the field of cosmic radiobiology P.P.Saksonov, V V Antipov, N N.Dobrov Vest AMN SSSR 18 no 8 13-20 '63

RADIOCHEMISTRY

Separation of lead and thallium from the products of bismuth photodisintegration Amar Nat, A.K Lavrukhina Radiokhimiia 5 no.6:732-736 '63.

Sviridov, V.V. [Photochemistry and radiochemistry of solid inorganic substances] Fotokhimiia i radiatsionnaia khimiia tverdykh neorganicheskikh veshchestv. Minsk, Izd-vo "Vysshaia shkola."
Pt.1. 1964. 387 p.

RADIOECOLOGY

Polikarpov, G.G. [Radioecology of marine organisms; accumulation and biological effect of radioactive substances] Radioekologiia morskikh organizmov; nakoplenie i biologicheskoe deistvie radioaktivnykh veshchestv. Pod red. V.P.Shvedova. Moskva, Atomizdat, 1964. 294 p.

RADIOGRAPHY

Experience in training physicians in roentgenology for rural district hospitals. N.IA. Mil'man, L.E. Kishinevskii. Vest.rent.i rad 38 no.3:81-83 My-Je '63.

Simple radiographic method for dactyloscopic investigations. A.IA.Gel'fman, G.L.Granovskii, L.IA. Kheifets. Atom.energ. 17 no.1:71 '64.

X-ray study of structural reconstructions in a striated muscle following changes in its length. L L Razumova and others. Dokl AN SSSR 157 no.3:688-691 Jl '64.

RADIOGRAPHY—STUDY AND TEACHING

Structure and function of a training museum of the department of roentgenology and radiology. L.D. Lindenbraten, I.N. Zal'tsman. Vest.rent.i rad. 38 no.3:62-66 My-Je '63.

RADIOISOTOPES

Chromatographic separation of rare-earth elements and some actinides on cation exchangers in the presence of radioactive isotopes' coprecipitating with LaF_3. I.Brandshtetr and others. Radiokhimiia 5 no.6:694-699 '63.

Gusev, N.G., V.P.Mashkovich, and B.V.Verbitskii. [Radioisotopes as gamma emitters] Radioaktivnye izotopy kak gamma-izluchateli. Moskva, Atomizdat, 1964. 277 p.

RADIOISOTOPES—DECAY

Mechanism of radioactive decay with proton emission. V.I.Gol'danskii. Dokl.AN SSSR 157 no.2:321-324 Jl '64.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Loznovskii, IU.IA. [Thickness measuring device using radioactive isotopes for controlling the thickness of films and sheet materials in their manufacture] Radioaktivnyi tolshchinomer dlia avtomaticheskogo kontrolia tolshchiny plenochnykh i listovykh materialov v protsesse ikh izgotovleniia. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 1)

A new foreign trade organization. T.Nikitenko, V.Filippov. Vnesh.torg. 44 no.5:39-40 '64

RADIOISOTOPES—SAFETY MEASURES

Menshchikov, I.I. [Electrical safety measures in the machinery industry] Elektrobezopasnost' v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 186 p.

under Khabarovsk Territory

RADIOLOGY

Index of articles on roentgenology and radiology published in the related clinical periodicals for 1962 Vest. rent i rad. 38 no 3 89-94 My-Je '63.

RADIOLOGY—CONGRESSES

Radiobiology at the Tenth International Congress on Radiology. V. N Semagin. Radiobiologiia 3 no. 6,924-927 '63.

RADIOLOGY—STUDY AND TEACHING

Structure and function of a training museum of the department of roentgenology and radiology L. D. Lindenbraten, I N. Zal'tsman. Vest. rent. i rad. 38 no 3'52-56 My-Je '63

RADIOLOGY, MEDICAL—STUDY AND TEACHING
(see also subdivision under Stavropol Territory)

Experience in training physicians in roentgenology for rural district hospitals N. IA. Mil'man, L. E. Kishinevskii Vest. rent. i rad. 38 no. 3:81-83 My-Je '63

RADIOMETRY

Radiometric method of investigating the kinetics and mechanism of chlorination. IA Zenkevich, A. V. Lapitskii. Zhur. prikl. khim 37 no. 5:1000-1005 My '64.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOTHERAPY

Dosage estimation in intratissue introduction of radioactive colloidal gold. L. A. Kachur, I. I. Pospelova. Vest. rent. i rad. 38 no. 3 59-60 My-Je '63.

Results of radiotherapy in cancer of the esophagus V. P Shakirova. Trudy Inst klin. i eksp khir. AN Kazakh. SSR 6 99-102 '62

Second Symposium on Sources of Ionizing Radiations for Distance Radiotherapy. V. N. Nikeshichev. Atom. energ. 16 no. 6;543-546 Je '64.

RADIOTHERAPY—EQUIPMENT AND SUPPLIES

Special tube for X-ray therapy with a grid. IU. I Karlpov. Vest. rent. i rad 38 no. 3'63-64 My-Je '63.

RADISHES

Effect of visible and infrared radiation on the growth and development of radishes. I A Shul'gin Fiziol. rast 11 no 3 398-408 '64

RADISHEV, ALEKSANDR NIKOLAEVICH, 1749-1802

New materials on Radishev and Hertzen; a review of the periodical "Zeitschrift für Slavistik". E. G. Plimak, A. E. Volodin. Ist. SSSR 8 no. 1'195-203 Ja-F '64.

RADON—DECAY

Vertical distribution of radon decay products in the troposphere as related to meteorological conditions. K. Sopauskas. Trudy AN Lit.SSR.Ser.B no.1;21-28 '64.

RAILROAD BRIDGES—DESIGN AND CONSTRUCTION

New types of bridge seats. G.A.Passek. Transp.stroi. 13 no.12;65-66 D '63.

RAILROAD ENGINEERING

Kozin, B. S., and I. T. Kozlov. [Selecting the systems for a staged development of railroad lines; methods using electronic digital computers] Vybor skhem etapnogo razvitiia zheleznodorozhnykh linii; s primeneniem ETsVM. Moskva, Transport, 1964. 152 p. (Kibernetika na transporte)

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur.: Zhel. dor. transp. no. 7 Jl '64.

RAILROADS—ACCOUNTING

Vladimirov, V. A. [Original statistical accounting on railroads] Pervichnyi statisticheskii uchet na zheleznykh dorogakh. Moskva, Izd-vo "Transport," 1964. 57 p.

RAILROADS—CARS—HEATING AND VENTILATION

Use of a locomotive gas-turbine engine for the heating of passenger trains. L. IA. Levental'. Trudy MIIT no.179;106-116 '64.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Russia (1923- U. S. S. R.) Glavnoe upravlenie vagonnogo khoziaistva. [Regulations for the depot repair of all-metal passenger cars. Effective as of January 1, 1962 according to Order No. 40Ts of the Ministry of Railroad Transportation from July 29, 1961 to supersede the regulations for the annual repair of all-metal passenger cars approved by the Ministry of Railroad Transportation on March 20th, 1953] Pravila depovskogo remonta tsel'nometallicheskikh passazhirskikh vagonov (TsMV). Vvodiatsia v deistvie soglasno prikazu MPS No. 40Ts ot 29/VII 1961 g. s 1/I 1962 g. vzamen Pravil godovogo remonta tsel'nometallicheskikh passazhirskikh vagonov, utverzhdennykh MPS 20 marta 1953 g. Moskva, Transport, 1964. 61 p.

RAILROADS—COMMUNICATION SYSTEMS

Volobuev, V. P., and M. A. Smirnova. [Radio communication in railroad transport] Radiosviaz' na zheleznodorozhnom transporte. Moskva, Transport, 1964. 247 p.

RAILROADS—CURRENT SUPPLY

Electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. V.T.Vorob'ev. Izv.vys.ucheb.zav., energ. 5 no.8:116-117 Ag '62.

More about electric power supply of consumers in conjunction with railroad electrification using commercial frequency a.c. S.M.Rozhavskii Izv.vys.ucheb.zav.; energ. 5 no.8;117 Ag '62

RAILROADS—CURVES AND TURNOUTS

Designing vertical curves. A.T.Pronin. Transp.stroi. 13 no.12;42-43 D '63.

RAILROADS—DESIGN AND CONSTRUCTION
(see also subdivision under Siberia)

Design of branch lines along the trunk-line on the basis of the standard pattern permanent lines V.I Gritsyk, IA.P.Ishchenko. Transp.stroi. 13 no 12;9-11 D '63.

[Fundamentals of construction planning of depots and plants for railroad transportation and of the planning of their territories] Osnovy stroitel'nogo proektirovaniia depo i zavodov zheleznodorozhnogo transporta i planirovki ikh territorii; uchebnoe posobie. [By] N. I. Adzhimamudian i dr. Leningrad, Leningr. in-t inzhenerov zheldor. transporta im. V. N. Obraztsova, 1963. 79 p. [MICROFILM]

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Technical instructions for designing 750 mm gauge railroads. Approved by the State Committee for Construction of the U. S. S. R. July 18, 1963] Tekhnicheskie ukazaniia po proektirovaniiu zheleznykh dorog kolei 750 mm (SN 251-63) Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR 18 iiulia 1963 g. Moskva, Gosstroi SSSR, 1964. 95 p.

RAILROADS—EARTHWORK

We are raising the tempo of excavating work. I.N.Kravchenko. Transp.stroi. 13 no.12;38-39 D '63.

RAILROADS—ELECTRIFICATION
(see also subdivision under Soviet Far East)

Brief news. Transp.stroi. 13 no.12;71-73 D '63.

RAILROADS—EMPLOYEES see subdivision under Moscow

RAILROADS—FINANCE

Useful textbook on financing railroad transportation. G.Dundukov. Fin.SSSR 38 no.7,82-85 Jl '64.

RAILROADS—FREIGHT see subdivision under Uzbekistan

RAILROADS—HUMP YARDS

Oleshko, G. I., and B. Del Rio, eds. [Automation of the operation of hump yards (using electronic computers)] Avtomatizatsiia raboty sortirovochnykh stantsii (s primeneniem vychislitel'nykh mashin). Moskva, Transport, 1964. 176 p. (Kibernetika na transporte)

RAILROADS—MAINTENANCE AND REPAIR

Use of mobile gas-turbine plants for the mechanization of track work in railroad transportation. S.N.Grigor'ev. Trudy MIIT no.179;92-100 '64.

RAILROADS—MAKING UP TRAINS

Kutukova, G. A., and L. K. Markov. [Use of electronic digital computers for the preparation of a plan for making up trains] Sostavlenie plana formirovaniia poezdov na elektronnykh tsifrovykh vychislitel'nykh mashinakh. Moskva, 1963. 12 p.

RAILROADS—MANAGEMENT

Zetilov, G. V., and S. D. Taguntsev. [Fundamentals of the supply of materials and equipment in railroad transportation] Osnovy material'no-tekhnicheskogo snabzheniia zheleznodorozhnogo transporta. Izd. 2., dop. i perer. Moskva, Izd-vo "Transport," 1964. 315 p.

RAILROADS—RAILS

Stressed state of rails during skeletonizing with a PB-2 tracklaying machine. V.G.Maksimov. Transp.stroi. 13 no.12·46-48 D '63.

RAILROADS—SIGNALING—BLOCK SYSTEM

Piroshkov, F. V. [Automatic block system networks of run sections] Peregonnye skhemy avtomaticheskoi blokirovki. Moskva, Transport, 1964. 163 p. diagrs. (insert. Bibliotechka elektromekhanika STsB i sviazi)

RAILROADS—STATION SERVICE

Kleimenov, A. E. [Mechanization and automation of the operations of station ticket and cash offices] Mekhanizatsiia i avtomatizatsiia biletnokassovykh operatsii na vokzalakh. Moskva, Transport, 1964. 106 p. (Bibliotechka rabotnika vokzala)

RAILROADS—STATIONS—DESIGN AND CONSTRUCTION

Designing dispatch stations. Kh.M.Lapitskii, IU.A. Avebukh. Transp.stroi. 13 no.12:43-46 D '63.

RAILROADS—TIES

Lysiuk, V. S., and M. P. Bassarskii. [Mechanical wear of wooden ties and means for its prevention] Mekhanicheskii iznos dereviannykh shpal i mery ego preduprezhdeniia. Moskva, Transzheldorizdat, 1963. 33 p. (Dostizheniia nauki i tekhniki — v proizvodstvo)

RAILROADS—TIMETABLES

[Timetable of suburban trains of the Moscow Railroad. Moscow - Borodino. Winter 1963/64] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Borodino, Moskovskoi zh.d. Zima 1963/64 g. [Moskva] Transzheldorizdat, 1963. 64 p.

[Timetable of suburban trains of the Moscow Railroad.- Moscow - Ramenskoye - Golutvin; Moscow - Kurovskaya - Cherusti. Summer 1964] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Ramenskoe - Golutvin; Moskva - Kurovskaya - Cherusti, Moskovskoi zh.d. Na leto 1964 g. Moskva, Izd-vo "Transport," 1964. 94 p.

RAILROADS—TRAIN SPEED

Tikhonov, K. K. [Optimum running speed of freight trains] Optimal'nye khodovye skorosti gruzovykh poezdov. Moskva, 1964. 261 p. (Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 172)

RAILROADS, NARROW-GAUGE—TRACK

Process of intermixing and soiling of the foundation materials of logging railroads. P.P.Chebota. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 98-99 '63.

Residual settling of ties and curving of the rails of temporary narrow-gauge railroad tracks. T. A. Gur'ev. Izv. vys. ucheb. zav.; les. zhur. 6 no. 6. 67-74 '63.

RAMAN EFFECT

Some regularities in the variation of the Raman spectrum of α-quartz when irradiated by fast neutrons. V. G. Zubov, L. P. Osipova. Dokl. AN SSSR 156 no. 2·300-301 My '64.

Viscosity, Raman spectra, and thermodynamic constants of the homologous series of normal paraffins C_5 - C_{18}. S. Kh. G. Kashaev, B. Le, M. Z. Zinlatov, Dokl. AN SSSR 156 no. 2;408-411 My '64.

RANDOM PROCESSES

Asymptotic behavior of the estimate of the spectral function for a stationary Gaussian process. T. L. Malevich. Teor. veroiat. i ee prim. 9 no. 2·386-390 '64.

Conditions for applying the strong law of large numbers to processes stationary in a broad sense. I. N. Verbitskaia. Teor. veroiat. i ee prim. 9 no. 2;358-364 '64.

Determining the mean time of the boom from a cylindrical panel under random pressure. V. M. Honcharenko. Dop. AN URSR no. 6;736-737 '63.

Optimal factorization of non-negative matrix functions. IU. L. Shmul'ian. Teor. veroiat. i ee prim. 9 no. 2; 382-386 '64.

Optimization in stochastic models. L. S. Gurin. Zhur. vych. mat. i mat. fiz. 4 no. 2;367-370 Mr-Ap '64.

The problem of isomorphism of stationary processes. A. N. Zaslavskii. Teor. veroiat. i ee prim. 9 no. 2; 318-326 '64.

Some characteristic properties of Gaussian random processes. A. M. Vershik. Teor. veroiat. i ee prim. 9 no. 2;390-394 '64.

RARE-EARTH CHLORIDES

Solubility of gypsum in aqueous solutions of the chlorides of lanthanum, praseodymium, neodymium, and samarium at 25°C. Z. I. Grigorovich, O. IA Samoilov. Radiokhimiia 5 no. 6;686-690 '63.

RARE-EARTH COMPOUNDS

Energy states of benzoylacetonate rare-earth complexes compounded with polymethylmetacrylic acid [with summary in English]. V. A. Voloshin, A. H. Horiushko, V. A. Kul'chytskyi. Ukr. fiz. zhur. 9 no. 2;192-195 F '64.

Rate of vaporization of components during the thermal dissociation of yttrium and lanthanum berrylides. V. M. Amonenko. Izv. AN SSSR. Met. i gor. delo no 3; 158-160 My-Je '64.

RARE-EARTH METALS

Effect of rare-earth elements on the structure of steel. A. S. Zac'ialov, M. M. Sandomirskii. Izv. AN SSSR. Met. i gor. delo no. 3;138-144 My-Je '64.

RARE-EARTH OXIDES

Preparation of films of the oxides of Th, U, Pu, and rare-earth elements by electrodeposition from organic solutions. B. A. Gvozdev, IU. T. Chuburkov. Radiokhimiia 5 no. 6;712-715 '63.

Use of the oxides of rare-earth elements in catalytic synthesis. M. B. Turova-Poliak and others. Dokl. AN SSSR 157 no 3;643-646 Jl '64

RARE EARTHS

Chromatographic separation of rare-earth elements and some actinides on cation exchangers in the presence of radioactive isotopes coprecipitating with LaF_3. I. Brandshtetr and others. Radiokhimiia 5 no. 6;694-699 '63.

Partition chromatography of fluoroplast 4. Separation of europium from other rare-earth elements. L. N. Moskvin. Radiokhimiia 5 no. 6;747-749 '63.

Serebrennikov, V. V., and L. A. Alekseenko. [Course in the chemistry of rare earth elements; scandium, yttrium, lanthanides] Kurs khimii redkozemel'nykh elementov; skandii, ittrii, lantanidy. Tomsk, Izd-vo Tomskogo univ., 1963. 437 p.

RAW MATERIALS—ANALYSIS

Separate determination of alkalies in feldspathic raw material by the graphic method V. P. Kramarenko. Stek. i ker. 21 no 1 26-28 Ja '64.

RAZIN, EVGENII ANDREEVICH, 1898-1964

In memory of the professor Major General E.A Razin. Voen.-ist.zhur. 6 no.6:126-128 Je '64.

REARRANGEMENTS (CHEMISTRY)

Derivatives of anthracene. Part 11. Rearrangement of 3,4,7,8-tetrahydro-1,2,5,6-anthradifuroxane-4,8-disulfonic acid. M.V Gorelik. Zhur.ob.khim 34 no 6:2010-2015 Je '64.

Intramolecular rearrangements and vibrations of molecules. L.S.Mafants. Zhur.fiz.khim. 38 no.3: 623-631 Mr '64.

Phosphinic and phosphinous acid derivatives. Part 21: Rearrangement reactions of allyl phosphinites B.G Liorber, A.I.Razumov. Zhur.ob.khim. 34 no 6: 1855-1859 Je '64.

Phosphinic and phosphinous acid derivatives. Part 22: Nature of the aliphatic intermediate products of Arbuzov rearrangement. A I.Razumov, N.N Bankovskaia. Zhur.ob.khim. 34 no.6 1859-1863 Je '64.

Rearrangements in the S-allylthiolactam series. F.P Sidel'nikovskaia, A A Avetisian Dokl AN SSSR 157 no. 3 632-635 Jl '64.

REASONING

The nature of logical necessity. I.IA, Fadeev, Nauch. dokl. vys. shkoly, filos. nauki 7 no 2·54-61 '64

RECEPTORS (NEUROLOGY)

Reflex reactions of thermoreceptors. T,M.Dmitrieva, L.M.Kurilova, N.A.Sukhovskaia. Biul.eksp.biol.i med. 56 no.8:14-17 Ag '63.

Theory of stimulation and mechanisms of cellular and systemic processes of excitation, inhibition and adaptation in light of the theory on parabiosis. N. V. Goltkov. Nerv.sist. no 3;33-42 '62.

RECLAMATION OF LAND see subdivision under Virgin Territory; Volokolamsk region (Moscow Province), White Russia

RECLAMATION OF LAND—BIBLIOGRAPHY see Bibliography—Reclamation of land

RECTUM—CANCER

Effect of some factors of the local and regional expansion of rectal cancer on its prognosis. D.P.Berezkin. Vop. onk. 10 no.2:67-73 '64.

Some problems in the surgery of rectal tumors. M.M. Usova. Vop.onk. 10 no.2:111-115 '64.

RECTUM—INNERVATION

Morphology of the sensory nervous apparatus of the human rectum during the period of fetal development. L. P. Tkhonova. Trudy SMI 15;114-121 '62.

RECTUM—SURGERY

Antibiotic therapy of suppurating perineal and gluteal wounds following surgery on the rectum. L.S.Gel'fenbein, T.B.Cherniagina. Khirurgiia 40 no.2:49-51 F '64.

RED CLOVER see subdivision under Siberia, Western

RED SPIDER

(see also subdivision under Tajikistan)

Mites on fruits. N.V.Bondarenko. Zashch.rast.ot vred. i bol. 9 no.6:41-42 '64.

REDUCTION, CHEMICAL

Catalytic reduction of aromatic nitro compounds. Part 14: Reduction of nitrobenzene on platinum black. V.P.Shmonina. Zhur.ob.khim. 34 no.6:2020-2026 Je '64.

Reduction of nitrite into ammonia induced by ascorbic acid. A. A. Gurevich, I.N.Trubachev. Dokl.AN SSSR 157 no.2,467-468 Jl '64.

REDUCTION, ELECTROLYTIC

Effect of hydrogen on the reduction rate of cobalt ions. A.T.Vagramian, M.A.Zhamagortsian. Zhur.fiz.khim. 38 no.3:786-789 Mr '64.

Effect of surface oxides on the electroreduction of oxygen on platinum in an alkaline solution. L.Muller, L.N.Nekrasov. Dokl.AN SSSR 157 no.2;416-419 Jl '64.

Experimental proof of the effect of ohmic potential drop in the bulk of solution on the limiting current of the electroreduction of anions. B.N.Rybakov, N.V. Nikolaeva-Fedorovich, G.V.Zhutaeva. Zhur.fiz.khim. 38 no.3:782-783 Mr '64.

Kinetics of the electroreduction of cupric chloride in nonaqueous solvents. S.V.Gorbachev, N.A.Zotov. Zhur.fiz.khim. 37 no.4;924-927 Ap '63.

Reduction of the persulfate ion on a germanium cathode. E.A.Efimov, I.G.Erusalimchik, E.I.Gorgorski. Zhur.fiz.khim. 38 no.3:720-723 Mr '64.

REEFS see subdivision under Volga-Ural region

REFLEXES

Changes in the functional state of some sections of the central nervous system in anaphylactic shock in rats. I.S.Gushchin. Pat fiziol.i eksp.terap 7 no.6:10-16 N-D '63

Characteristics of the summation process in various functional states of the spinal reflex arc IA P. Kolomeichenko. Nerv.sist. no 3;74-83 '62.

Comparative physiological characteristics of the effect of aminazine on the regulation of cardiovascular activity. G.A.Antropov and others. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8·533-536 '63.

Correlation of general and local vasomotor reactions in chemical stimulation of blood vessels. G.P.Konradi, V A.Levtov. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8;551-553 '63.

Depressed knee reflexes in acute myocardial infarct A G TSerefman, Zhur nevr i psikh 64 no.5 670-674 '64

Evolution of the reflex regulation of cardiac activity. E.A.Korneva. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8;529-531 '63.

Inverted connections and reflex action of the organism. I. A. Bulyhin Vestsi AN BSSR. Ser. biial.nav. no. 3 69-80 '63.

Morphophysiological characteristics of the organization of inborn reactions IA. A. Miliagin Trudy SMI 15;80-88 '62.

On the 100th anniversary of the publication of I.M. Sechenov's work "Brain reflexes." S.A.Sarkisov. Vest.AMN SSSR 19 no.1;3-9 '64.

Reflex reactions of thermoreceptors. T.M.Dmitrieva, L.M.Kurilova, N.A.Sukhovskaia. Biul.eksp.biol.i med. 56 no.8:14-17 Ag '63.

Reflex regulation of "spontaneous" activity of tongue chemoreceptors. A.I.Esakov. Biul.eksp.biol.i med. 56 no.8:7-11 Ag '63.

Standards for the latent phase of tendon reflexes in healthy children from various age groups; electrophysiological data. R.I.Test. Zhur nevr.i psikh. 63 no.7 1018-1021 '63.

REFORMATORIES

Law on correctional labor and pedagogy. N. A. Struchkov. Sov.gos.i. pravo 34 no.5:70-78 My '64.

REFRACTIVE INDEX

Refractive index as dependent on temperature and concentration for aqueous solutions of some inorganic substance. M.S.TSedrik, Ch.S.Slavinskii, Krist. zhid. no.2·58-61 '63.

Refractive index of electrolytes in the electrolysis of $CuSO_4$ and $ZnSO_4$ in the presence of some addition agents. E.I.Grabova, Zhur.fiz.khim. 36 no.6:1241-1245 Je '62.

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Car pusher. P.L Glinin Ogneupory 29 no.5·237 '64.

Valuable contribution of inventors and efficiency promoters in the improved technical level of enterprises refractories. Ogneupory 29 no.5,194-196 '64

REFRACTORY MATERIALS

Cherepanov, A.M., and S.G. Tresviatskii. [Highly refractory materials and products made of oxides] Vysokoogneupornye materialy i izdeliia iz okislov. Izd.2., perer. i dop. Pod obshchei red. P.P. Budnikova. Moskva, Izd-vo "Metallurgiia," 1964. 400 p.

Effect of additives, dispersion, and the firing temperature on the sintering of caustic dust. V.A.Bron, M.I. Diesperova, G.S.Krotova Ogneupory 29 no 5 221-226 '64

Galemin, I.M., and A.V. Gorokh. [Carbon lining of blast furnaces] Uglerodistaia futerovka domennykh pechei. Moskva, Izd-vo Metallurgiia, 1964. 99 p.

Processes of mineral formation in blast furnaces and the effect of these processes on the wear of refractory linings. L.I.Karlakin. Ogneupory 29 no.5,209-213 '64.

Thermal stability of products made of oxides. O.M. Margulis, A V.Stovbur. Ogneupory 29 no.5,206-209 '64.

Use of heat-setting refractory mortars for the laying of steel-smelting furnace walls. G.T.Til'k. Ogneupory. 29 no.5:237-238 '64.

REFRACTORY MATERIALS—BIBLIOGRAPHY see Bibliography—Refractory materials

REFRACTORY MATERIALS—STANDARDS

[Refractories and refractory products] Ogneupory i ogneupornye izdeliia. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 467 p. (SSSR. Gosudarstvennye standarty)

REFRACTORY MATERIALS—TESTING

Increasing the thermal stability of grog refractories by the introduction of a burning-out organic fluid and mineral additives. G.V.Kukolev, I.I.Nemets. Ogneupory 29 no.5;214-221 '64.

REFRACTORY MATERIALS—THERMAL PROPERTIES

Heat conductivity of graphite-containing refractories. I.I Vishnevskii, V.N. Skripak. Ogneupory 29 no.5: 227-231 '64.

REFRACTORY MATERIALS—THERMOELECTRIC PROPERTIES

Thermal diffusion currents and the thermoelectromotive [illegible] ...eratures. [illegible] Izv. vys [illegible] 4.

REFRIGERATION AND REFRIGERATING MACHINERY

Segal', L.A. [Assembly and installation of small Freon refrigerating machines] Montazh malykh freonovykh kholodil'nykh mashin. Moskva, Ekonomika, 1964. 81 p. (V pomoshch' kholodil'shchiku)

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref.zhur : Khim.i khol.mashinostr. no.7 Jl '64.

REFRIGERATION AND REFRIGERATING MACHINERY—MAINTENANCE AND REPAIR

Kaplan, L.G. [Repair of the automatic control equipment of refrigeration plants] Remont priborov avtomatiki kholodil'nykh ustanovok. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 46 p. (V pomoshch' kholodil'shchiku)

REFRIGERATOR CARS—DISINFECTION

Fumigation in railroad cars. V.N.Iliushchenko. Zashch.rast.ot vred.i bol. 9 no.6:44 '64.

REFRIGERATOR SHIPS

Planning the refrigeration system of BRT type boat "Kreml'." I. A Grinberg, N I.TSybina. Nauch -tekh biul PINRO no 2/3 68-69 '62

REFRIGERATORS

New refrigerating equipment for the self-service stores. R.Ivanova, I.Rybak. Sov torg. 37 no.5 57-59 My '64

REFUGEES see subdivision under Kazakhstan

REGENERATION (BIOLOGY)

DNA synthesis and multiplication of nuclei in the regeneration of the somatic musculature [with summary in English]. L.N.Zhinkin, L.F. Andreeva. Arkh. anat., gist.i embr. 44 no.6:30-39 Je '63.

Development of capillaries in post-traumatic regeneration of skeletal muscle tissue in mammals. A.V.Grigor'ev. Biul.eksp.biol.i med. 56 no.8;89-93 Ag '63.

Effect of a novocaine block used by A. V. Vishevskii's method on the regeneration of an injured skeletal muscle. E.IA.Korytnyi, M.Kh.Gekhman. Trudy SMI 15;131-140 '62.

Effect of denervation on the posttraumatic regeneration of the muscle. M F.Popova. Dokl.AN SSSR 157 no.2: 486-488 Jl '64.

Nuclein metabolism during regeneration of the skeletal musculature under various conditions of x-irradiation [with summary in English]. E.V.Dmitrieva. Arkh. anat., gist.i embr. 44 no.6:40-47 Je '63.

Postirradiation recovery of Escherichia coli irradiated under different conditions (in air, in nitrogen and in nitrogen in the presence of cysteamine). E. A. Vai'dshtein, V. D. Zhestianikov. Radiobiologii 3 no.6;809-814 '63.

Regeneration of nerve elements of the left ventricle after its injury by diathermocoagulation E.V.Gusareva. Dokl.AN SSSR 157 no.3;733-736 Jl '64.

Reparation of chromosome injuries in resting liver cells of rats subjected to chronic gamma irradiation. G.F. Palyga, S.P.IArmonenko, I.M.Shapiro. Dokl. AN SSSR 157 no.2;460-463 Jl '64.

REGIDA, PETR IVANOVICH, 1902-1964?

Petr Ivanovich Regida; an obituary. Muk.-elev. prom. 30 no.2;3 of cover F '64.

REINFORCED CONCRETE—CURING see subdivision under Ukraine

REINFORCED CONCRETE CONSTRUCTION

(see also subdivision under Nikolayev Province)

Angarskii, V.V. [Metal and precast reinforced concrete mine supports in the Kuznetsk Basin] Metallicheskaia i sbornaia zhelezobetonnaia krep' shakht Kuzbassa. Moskva, Izd-vo "Nedra," 1964. 211 p.

Determination of stresses in composite structures taking into account the nonlinear creep of concrete. G.V. Kiziriia. Soob.AN Gruz.SSR 34 no.1:111-119 Ap '64.

Moscow. Institut gornogo dela imeni A.A. Skochinskogo. [Mine testing of industrial sections made of reinforced concrete supports; brief scientific report] Shakhtnye ispytaniia promyshlennykh partii zhelezobetonnoi krepi; kratkii nauchnyi otchet. Nauchn. rukovoditel': M.N. Geleskul. Otvetstvennye ispolniteli: A.S. Bukhman i dr. Moskva, 1962. 59 p.

[MICROFILM]

Protection of haulage drifts by reinforced concrete posts. V.E.Kardakov. Ugol' 39 no.6;25-28 Je '64.

Securing durability in reinforced cooling towers. Biul. stroi.tekh. 21 no.1;21-24 Ja '64.

Static and fatigue strength of reinforced concrete beams. G.M.Kanetsian. Izv.AN Arm.SSR.Ser.tekh.nauk 17 no.2;53-60 '64.

Using the S-630A unit for guniting reinforced concrete tanks. I.IU.Perel'shtein. Stroi.truboprov. 8 no.11; 22-23 N '63.

REINFORCED CONCRETE PRODUCTS
(see also subdivision under Ukraine)

Machine production of mesh-reinforced concrete shells R N Luchirkin Stroi i arkhit Len 26 no 4:29-30 Ap '64

[illegible] a reinforced concrete bed for the 3A164 grinding machine. [illegible] Mashinostroenie no.1 18-31 Ja-F '64.

[illegible] for reinforced concrete elements for open crane trestles [illegible] 21 no 1 [illegible]-40 Ja '64

REINFORCED CONCRETE PRODUCTS—TRANSPORTATION

Methods of loading and bracing reinforced concrete structures on rolling stock. A.I Butor Transp.stroi 13 no 12 29-30 D '63.

REINFORCEMENT (PSYCHOLOGY)

[illegible] analysis of cases of difficult formation of [illegible] conditioned reflexes in man E Cytawa, [illegible] Zhur vys nerv deiat 13 no 6 987-994 N-D '63

[illegible] roles of the auditory and motor analysors in the development of a generalization in the first and second signal systems V.N Zakliakova Zhur vys nerv deiat 13 no 6 980-986 N-D '63

Role of certain analysors in the development of a conditioned shifting in the first and second signal systems V N [illegible] Zhur vys nerv deiat 13 no 6 1010 1017 N-D '63

REINFORCING IN CONCRETE see Concrete reinforcement

REISNER, LARISA MIKHAILOVNA, 1895-1926

Letters of Larisa Reisner A.Naumova. Nov.mir 39 no.10:203-227 O '63.

RELIABILITY (ENGINEERING)

Realization of a special case in the law of the invariance of failures in the theory of reliability L D Kochuraev. Izv vys.ucheb zav ; elektromekh 7 no.6:754-756 '64.

Smolov, V.B., and others. [Reliability of a coding converter] Nadezhnost' kodiruiushchego preobrazovatelia. Leningrad, 1964. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia. Pribory i elementy avtomatiki)

Sorin, IA.M., and A.V. Lebedev. [Talks on reliability] Besedy o nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 222 p.

RELIGION

Struggle goes on V.Nesterenko. Sem'ia i shkola 19 no.5:12-13 My '64.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION, PRIMITIVE

Tokarev, S.A. [Early forms of religion and their development] Rannie formy religii i ikh razvitie. Moskva, Izd-vo "Nauka," 1964. 397 p.

RELIGION AND SCIENCE

Andreev, B.V. [Ivan Petrovich Pavlov and religion] Ivan Petrovich Pavlov i religiia. Moskva, Izd-vo "Nauka," 1964. 96 p. (Nauchno-populiarnaia seriia)

Faddeev, E.T. [Creating a second nature; new developments in nature] Tvoria vtoruiu prirodu; novoe v prirode. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike, XII Seriia: Estestvoznanie i religiia, no. 6)

Shalaev, IU.M. [Contemporary Orthodoxy and science; theological attempts to reconcile religion and science] Sovremennoe pravoslavie i nauka, o bogoslovskikh popytkakh primireniia religii i nauki. Moskva, Izd-vo "Mysl'," 1964. 85 p.

Studitskii, A.N. [A great scholar and atheist] O velikom uchenom i ateiste. Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Estestvoznanie i religiia, no. 3)

RELIGION IN LITERATURE

Fragments of the religious theme in Soviet literature. N.A. Teodorovich Mat. i soob Issl. otd Inst po izuch. SSSR no.48,116-121 '63

RELIGIONS

Most important events in the life of churches and religious associations in the U.S.S.R.; a chronicle N.T Mat i soob Issl otd. Inst. po izuch. SSSR no 53/54,88-94 Ja-F '64

REMOTE CONTROL

Anisimov, N.G., G.R. Gil'manov, and V.I. Straliev. [Frequency-type remote control system for oil fields] Chastotnaia sistema telemekhanizatsii neftepromyslov. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 83 p. [MICROFILM]

ChTP-2 system for the introduction of remote control in oil wells. A.A. Abdullaev and others. Mash. i neft. obor. no.11:10-17 '63.

Effect of automation and remote control on the reduction of the cost of gas transportation. B.I. Samoilovich. Gaz. prom. 7 no.12:49-51 '62.

Intermediate relays of explosion-proof magnetic starters. E.G. Kraus, B.Sh. Rubinshtein. Nauch. trudy KNIUI no.11:124-129 '62.

Investigation of wells in the Neftyanyye Kamni field remote-control devices N N Neprimerov, A G Sharagin Izv vys ucheb zav , neft' i gaz 6 no.5 53-56 '63

Kachan, I.K., and A.I. Sultanovich. [Spark-proof equipment for automatic control in the oil and gas industry] Iskrobezopasnaia apparatura avtomatiki v neftianoi gazovoi promyshlennosti. Moskva, Nedra, 1964. 123 p.

Model of a remote control. P V. Volkov. Shkola i proizv. 6 no.5 68-69 My '64.

Outline of the history of the Institute of Automatic and Remote Control for the period 1939-1964. A.V Khramoi. Avtom. i telem. 25 no.6:753-762 Je '64.

Remote control system of centralized control and signaling operations of section mechanisms. V.K. Donis, V.N. Arakelov, M.G. Gardiman. Nauch. trudy KNIUI no.11:263-277 '62.

Remote signaling system for close range operation in conjunction with a telemetering system. V.V. Motovilov, N.A. Poliakova. Izv. vys. ucheb. zav , energ. 7 no.5,90-103 My '64

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. Avtom., telem. i vych. tekh. no 7 Jl '64.

RENTING OF EQUIPMENT, ETC.

Pervushina, A.P. [Contract of renting equipment under Soviet law] Dogovor bytovogo prokata po Sovetskomu pravu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 68 p.

REPRODUCTION

Behavior and reproductive function of animals. Report No. 1: Correlation of the behavioral characteristics with the breeding season and fertility D.K. Beliaev, L.N Trut. Biul. MOIP. Otd biol. 69 no.3:5-19 My-Je '64.

Nuclear apparatus and division of Remanella granulosa Kahl and Remanella rugosa Kahl (Holotricha, Gymnostomatida). I.B. Raikov. Sbor. rab. Inst. tsit. no. 3: 20-34 '63.

Some morphophysiological and biochemical changes in reproductive and endocrine organs of birds after injury of the central nervous system. M.B. Nazarian Izv. AN Arm. SSR. Biol nauki 17 no 1:47-58 Ja '64.

RESEARCH
(see also subdivision under Tomsk; Uzbekistan)

Let us overcome disunity first of all. P N. Platonov. Vest. vys. shkoly 22 no.5 51-54 My '64.

RESERPINE

Qualitative determination of reserpine (with summary in English). L.V. Pesakhovich. Apt. delo 11 no.6:42-47 N-D '62.

RESERVOIRS
(see also subdivision under Sverdlovsk Province; Uzbekistan)

Calculation of the capacity of a regulatory reservoir over a period of years using functional equations. G.G. Svanidze, A.F. Torondzhadze. Trudy Inst. energ. AN Gruz. SSR 17:39-50 '63.

Graphs for designing impounding reservoirs for flow regulation over a period of years. G.G. Svanidze, A.Sh. Reznikovskii, V.V. Zubarev. Trudy Inst. energ. AN Gruz. SSR 17:287-296 '63.

RESIN ACIDS

Rosin acids in the oleoresin of Pinus sibirica R. Mayr. N.K. Kashtanova, V.A. Pentegova. Izv. Sib otd. AN SSSR no.3:121-123 '62.

RESINS, SYNTHETIC

Effect of various ingredients of resin mixtures on the vulcanization of rubbers with alkyl phenol formaldehyde resins. G.M. Ronkin, I.A Levitin, A.G. Shvarts. Kauch. i rez. 23 no.4:15-19 Ap '64.

Filled films made from carboxylate latex. G.I. Gorlova and others. Kauch. i rez. 23 no.4:7-9 Ap '64.

Synthetic resin for decreasing the inrush of water during shaft sinking. V.V Davydov, V.V. Korendiasev, V I Mitrakov. Shakht. stroi 8 no.4 12-13 Ap '64.

RESORCINOL.

Reaction of phenol ethers with phosphorus trichloride. Part 2: Interaction of dimethyl ether of resorcinol with phosphorus trichloride. I S. Protopopov, M. IA. Kraft Zhur ob. khim. 34 no.5:1446-1449 My '64.

RESPIRATION

Change in some indices of the function of external respiration in cardiovascular patients under the influence of thalassotherapy. G.G. Tvaltvadze and others. Trudy Inst. klin. i eksper. kard AN Gruz SSR 8:267-271 '63.

Function of external respiration in thyrotoxicosis. D.M. Kapanadze. Soob. AN Gruz. SSR 34 no.1:189-195 Ap '64.

Influence of the vegetative nervous system on the heart activity and breathing of rabbits. L.I. Frolova. Pratsi Od. un. 150 Zbir. stud. rob. no.6:147-149 '60.

Multiple pneumography in children with poliomyelitis and similar diseases. E.V. Gaevskii. Zhur. nevr. i psikh. 63 no.7:1004-1008 '63.

Pharmacological characteristics of substances inhibiting acetylcholine synthesis in the body S N. Golikov, B I Loktionov Vest AMN SSSR 18 no 8 77-87 '63

Physiological reaction of the human body during the action of maximum accelerations in time and intensity, directed along the spinal-thoracic axis. Change in the system of external respiration. A.S. Barer, G A. Golov, E.I. Sorokina Biul. eksp. biol. i med. 56 no.8:33-37 Ag '63.

Respiration of eggs of the rainbow trout (Salmo irideus Gibb., 1855). E.A. Baravik. Vestsi AN BSSR. Ser. biial. nav. no.3:111-115 '63.

Some data on the role of the higher segments of the brain in the reaction of respiration to aminazine introduction. E.A. Korneva, M.I. IAkovleva. Biul. eksp. biol. i med. 56 no.8:77-80 Ag '63.

RESPIRATORY ORGANS—CANCER

Precancer processes in the respiratory organs. G.O Esel'baeva Trudy Inst. klin i eksp khir. AN Kazakh. SSR 8 66-68 '62.

RESPIRATORY ORGANS—DISEASES

Exercise therapy in nonspecific diseases of the respiratory organs at the health resorts and sanatoriums of Uzbekistan. V.N. Bekhtereva. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:163-167 '62.

Exercise therapy in the compound treatment of diseases of the respiratory organs at the Aktash Sanatorium. IU.N. Borodianskaia. Sbor. trud. Uz. gos. nauch.-issl. inst. kur. i fizioter. 17:88-95 '62.

REST

Some aspects relating to the development of theoretical principles of work physiology. M.I. Vinogradov and others. Nerv. sist. no 3:145-161 '62.

RESUSCITATION

Some factors influencing the appearance of ventricular fibrillation during clinical death and resuscitation in acute hemorrhage in dogs N S Kolganova Pat fiziol i eksp terap 7 no 6 37-42 N-D '63

RETAIL TRADE

Improve trade administration to meet the present-day demands M Bespalov. Sov. torg 37 no.5 11-15 My '64.

Spring and summer are busy trade seasons. Sov. torg. 37 no.5:1-3 My '64.

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg. za rub.; org., nov. metody, tekh. torg. i mass. pit. nos. 6-7 Je-Jl '64.

RETINA—DISEASES

Dynamics of pathohistological changes in the retina of the eye in experimental acute radiation sickness. L.S. Berggriun. Trudy SMI 16:160-180 '63.

Treatment of pigmented degeneration of the retina. K.A. Adigezalova-Polchaeva, T.A. Safarova. Azerb. med. zhur. 40 no.10:16-21 O '63.

RETROPERITONEAL SPACE—HYDATIDS

Echinococcosis of the kidneys and the retroperitoneal space T.G. Litvak, I T. Shmat'ko, A.M. Khubiev Uch. zap. Stavr. gos. med. inst. 8:94-110 '63.

REVEGETATION see subdivision under Sverdlovsk Province

REVOLUTIONARY POETRY

Koldysh, V.A. [Problems of prerevolutionary proletarian literature; Gor'kii and Russian revolutionary poetry] Problemy dooktiabr'skoi proletarskoi literatury; Gor'kii i russkaia revoliutsionnaia poeziia. Moskva, Izd-vo "Nauka," 1964. 237 p.

REVOLUTIONS

The new stage of the antimonopolistic movement in the imperialist countries as interpreted in the program of the CPSU. P.A. Kuznetsov. Uch. zap. kaf. ist. KPSS no.4:145-168 '64.

REZEKNE DISTRICT—AGRICULTURE—FINANCE

Lagging farms should be given principal attention. N. Chmirevskii. Fin. SSSR 38 no.7:58-59 Jl '64.

RH FACTOR

Determination of Rh-agglutinogen C^W in the blood in Moscow donors. L.K. Arzhelas, E.S. Lutcheva. Sud.-med ekspert. 7 no.2:30-31 Ap-Je '64.

RHENIUM CARBONYL

Mixed bimetallic organic derivatives of rhenium carbonyl. A.N. Nesmeianov and others. Dokl. AN SSSR 156 no.2:383-385 My '64.

RHENIUM COMPOUNDS

Composition of a rhenium thiocyanate complex compound. Part 5: [illegible] complex compound in [illegible] Vushegian, [illegible] 17 no 3 [illegible]

RHEUMATIC FEVER

Clinical electrocardiographic observations of children with rheumatic fever and disorders of the cardiac rhythm. T.I.Ternova. Trudy Inst.klin.i eksper.kard AN Gruz.SSR 8:477-479 '63.

Determination of the activity of the rheumatic process. V.S.Gvantseladze and others Trudy Inst.klin i eksper kard AN Gruz.SSR 8:467-473 '63.

Diagnostic criterion of the activity of the rheumatic process in children. O.D.Sokolova-Ponomareva. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8:461-466 '63.

Diagnostic significance of protein sedimentation reactions of the blood in rheumatic fever and chronic septic endocarditis I. D. Mikhalev Lab delo no 6 333-336 '64.

State of the coronary circulation in rheumatic fever. M.A.Esafan. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8.481-486 '63.

Therapy of the rheumatic inflammation of hoofs. P G. Men'shakov Zap Vor sel'khoz inst 17 no 2 271-272 '62.

RHEUMATIC FEVER—RESEARCH see subdivision under United States

RHEUMATIC HEART DISEASE

Role of cortisone in changes of the reactivity of the body in experimental modeled rheumatism. V B Rozen and others Pat fiziol i eksp terap. 7 no 6 17-20 N-D '63

RHIZOSPHERE MICROBIOLOGY
(see also subdivision under Georgia)

Comparative studies of the microflora of the rhizosphere of woody plants and some characteristics of its carbon metabolism. E I. Kozlova, IU. A. Gorbenko, V. I Romanenko. Vest. Mosk. un. Ser. 6 Biol., pochv 18 no. 3 35-42 My-Je '63.

Effect of some fungi from the corn rhizosphere on its sprouts. N. M. Pidoplichko, V. S. Moskovets', N. M Zhdanova. Mikrobiol. zhur. 26 no. 6 38-43 '63.

RHODAMINES

Rhodamine dyes and related compounds. Part 10: Fluorescence of alkyl- and arylalkyl rhodamine solutions. I.S.Ioffe, I.A.Gofman Zhur ob.khim. 34 no.6:2039-2041 Je '64.

Rhodamine dyes and related compounds. Part 11: Aryl- and alkyl rhodamines containing carboxyl groups at radicals. I.S.Ioffe, N.A.Selezneva. Zhur.ob.khim. 34 no.6:2041-2044 Je '64.

RHODESIA, SOUTHERN—POLITICS AND GOVERNMENT

Hour of decision in Southern Rhodesia. V.Sidenko. Nov. vrem. 21 no. 28:23-24 Jl '64.

RHODESIA AND NYASALAND—POLITICS AND GOVERNMENT

Nyasaland on the eve of independence. V.Brykin. Mir. ekon i mezhdunar otn no.6.103-105 '64.

RIBONUCLEASE

Guanylic ribonuclease of actinomycetes. R.I Tatarskaia and others. Dokl.AN SSSR 157 no.3:725-728 Jl '64.

Study of denaturation of deoxyribonucleoproteins. Report No. 1: Thermal DNA denaturation in a synthetic complex with ribonuclease. T.N.Kopylova-Sviridova. Biofizika 9 no.1:13-17 '64.

RIBS—HYDATIDS

Echinococcosis of the spine and a rib simulating a parasitic cyst of the right lung and the posterior mediastinum. M S. Makarov, N. V Volochenko Uch. zap. Stavr. gos med inst. 8 226-231 '63

RICE
(see also subdivision under Kzyl-Orda Province; Rostov Province)

Advantages of large rice fields. A. Dzhulai. Ekon. sel'-khoz. 34 no. 12.48-52 D '63.

Physiological role of the cauline leaves of rice during the formation and maturing of caryopses. A. A. Lizandr, V L. Brovtsyna. Fiziol rast. 11 no. 3.391-397 '64.

RIEMANN SURFACES

Similitude theorem for R_n surfaces in Riemannian R_m space. V.S.Sobchuk. Ukr.mat.zhur. 16 no.3:413-417 '64.

RIFLES

A present for Il'ich. O.Chistovskii. Sov. voin 46 no. 11: 20 Je '64.

RIGA—STATISTICS

Riga. Statistiska parvalde. [Riga; a statistical abstract] Riga; statisticheskii sbornik. [Riga] 1963. 298 p.

RIGHT TO LABOR

Broadening of legal safeguards making the right to work effective. K. Abzhanov. Sov. gos. i. pravo 34 no. 5:95-102 My '64.

RING COMPOUNDS see Cyclic compounds

RING FORMATION (CHEMISTRY)

Cyclic polymerization and copolymerization Part 29: Radical polymerization of aliphatic vinylethynylcarbinols S G Matsoian, N M Morlian Izv AN Arm SSR Khim nauki 17 no 3 319-328 '64

Cyclic polymerization and copolymerization. Part 30: Radical polymerization of ethers and esters of vinylethynylcarbinols S G Matsoian, N M Morlian Izv AN Arm SSR. Khim nauki 17 no 3 329-338 '64.

Depsipeptides. Part 17: Cyclization of linear tetra- and octadepsipeptides. M.M.Shemiakin and others. Zhur. ob.khim 34 no.6:1798-1803 Je '64.

RINGS (ALGEBRA)

Equivalence of two determinations of a finite ring group. V.G.Paltutkin. Ukr.mat.zhur. 16 no.3:402-406 '64.

RIONI VALLEY—GEOLOGY

Paleogene-Neogene history of the geological development on the Rioni-Kvirila watershed. Sh. Kh. Geguchadze. Soob. AN Gruz. SSR 31 no. 1:75-82 Jl '63.

RISERS (FOUNDING)

Selection of an efficient shape and size of risers for steel castings IU P Poruchikov, Zh V Tokarev, A IA Shatov. Izv vys ucheb zav , chern met 7 no. 6 144-148 '64

RISTOCETINS

Scientific conference on the results of experimental studies and prospects of the clinical use of ristomycin, a new antibacterial antibiotic T A Uspenskaia Vest. AMN SSSR 18 no 11 78-80 '63

RIVERS
(see also subdivision under Volga Valley)

Pechkurov, A. F. [Stability of the beds of rivers and canals] Ustoichivost' rusl rek i kanalov. Minsk, Izd-vo "Urozhai," 1964. 411 p.

Studenichnikov, B. I. [Scouring and methods for calculating riverbed deformations] Razmyvaiushchaia sposobnost' potoka i metody ruslovykh raschetov. Moskva, Stroiizdat, 1964. 182 p.

RIVERS—REGULATION

System of sandbanks located in estuary sections of river tributaries. V.M.Seleznev, N.S.Zubkov. Trudy LIVT no.46:45-48 '63.

ROACH (FISH) see subdivision under Crimea

ROAD CONSTRUCTION
(see also subdivision under Moscow)

Birulia, A.K. [Construction and design of soft surfaces for automobile roads] Konstruirovanie i raschet nezhestkikh odezhd avtomobil'nykh dorog. Moskva, Transport, 1964. 166 p.

Brief news. Transp.stroi. 13 no.12:71-73 D '63.

ROAD CONSTRUCTION—COSTS

Construction of inexpensive rural roads. V.Sokolov. Sel'.stroi. 18 no.10.14-15 O '63

ROAD MACHINERY

Kholodov, A. M. [Laboratory manual on road machinery] Praktikum po dorozhnym mashinam. Moskva, Izd-vo "Vysshaia shkola," 1964. 167 p.

New machines. G. A. Svistunov, L. A. Sadovskii. Stroi. i dor. mash. 8 no.12.27-29 D '63.

Zavadskii, E.I. [Mechanizing the construction of automobile roads] Mekhanizatsiia stroitel'stva avtomobil'noi dorogi. Moskva, Transport, 1964. 75 p. (Obmen tekhnicheskim opytom dorozhnykh khoziaistv)

ROAD MACHINERY—ABSTRACTS

[Construction equipment and road machinery] Ref. zhur.: Stroi. i dor. mash. no.7 Jl '64.

ROAD MACHINERY—DESIGN AND CONSTRUCTION

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie po snabzheniiu i sbytu produktsii tiazhelogo, traktornogo i stroitel'no-dorozhnogo oborudovaniia. [Catalog and reference manual on the adaptability of hydraulic and pneumatic systems to excavating, construction, and road machinery] Katalog-spravochnik primeniaemosti gidro-i pnevmosistem na ekskavatorakh, stroitel'nykh i dorozhnykh mashinakh. Moskva, Goslesbumizdat, 1963. 147 p.

ROADS

Babkov, V. F. [Road conditions and traffic safety] Dorozhnye usloviia i bezopasnost' dvizheniia. Moskva, Izd-vo "Transport," 1964. 188 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat.

Pt. 2. Sec. D. ch. 6. [Avtomobile roads of industrial enterprises; design standards] Avtomobil'nye dorogi promyshlennykh predpriiatii; normy proektirovaniia (SNiP II-D. 6-62) 1964. 36 p.

ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avt. dor. no. 7 Jl '64.

ROADS—DESIGN

Automobile roads for industrial enterprises; specifications for designs. Biul stroi tekh. 21 no 1 11-13 Ja '64

Birulia, A.K. [Construction and design of soft surfaces for automobile roads] Konstruirovanie i raschet nezhestkikh odezhd avtomobil'nykh dorog. Moskva, Transport, 1964. 166 p.

ROADS—MAINTENANCE AND REPAIR

[Advanced practices in maintaining and repairing bridges and tunnels] Peredovoi opyt soderzhaniia i remonta mostov i tonnelei. Moskva, Transport, 1964. 76 p.

Novikov, G. A. [Manual for the foreman of a road repair brigade] Posobie brigadiru dorozhno-remontnoi brigady. Moskva, Transport, 1964. 125 p.

ROADS, ASPHALT

Improving the adhesion of road asphalts. V. N. Finashin. Nefteper i neftekhim no 7 17-21 '63.

ROBOTS see Automata

ROCK DRILLS

Drilling deep, small-diameter boreholes, using a rock drill with independent rotation of the bit. L. F. Osipovskii and others. Trudy Inst. gor. dela AN Kazakh. SSR 13:28-32 '64

New design for abrasive-cutting bit. L.A.Karnaukhov, N.A.Kuligin, K.I.Loshkarev. Mash.i neft.obor. no.3: 7-11 '63.

ROCK PRESSURE

Analytic method for selecting an efficient way of mining contiguous flat seams in the Donets Basin. E. D. Bondarenko. Sbor. trud. Inst. gor. dela AN URSR no.18: 59-67 '63.

Hypothesis of rock pressure in deep mine workings. M.V.Sosnovskii. Ugol' Ukr. 8 no.5:18-49 My '64.

Preserving development workings with posts made of precast reinforced concrete. V.E.Kardakov, G.K. Bespartochnyi. Ugol' Ukr. 8 no 5.37-39 My '64.

ROCK PRESSURE—ANALYSIS

Manifestation of rock pressure in relation to the strength and stability of rocks. V. A. Dudko. Ugol' Ukr. 8 no. 5:50-51 My '64.

ROCK PRESSURE—TESTING

Regularities of the change in rock pressure on the bottom of the block. V.F.Klochkov. Izv.vys.ucheb.zav.; gor. zhur. 7 no.4:13-18 '64.

ROCKETS (AERONAUTICS)

Theory of multistage rockets. V.A.Kosmodem'ianskii. Dokl. AN SSSR 156 no. 2:286-289 My '64.

ROCKETS (ORDNANCE)

A commander trains skillful rocket gunners. D.Rusaev. Komm.Vooruzh.Sil 4 no.13:35-38 Jl '64.

Nazarov, B. I. [Gyroscope in a rocket] Giroskop na rakete. Moskva, Voenizdat, 1964. 101 p. (Za voennotekhnicheskie znaniia. Raketnaia tekhnika)

Verin, P.N., and K.V. Morozov. [Rocket weapons of antiaircraft defense on the sea] Raketnoe oruzhie protivovozdushnoi oborony na more. Moskva, Voenizdat, 1964. 145 p.

ROCKS—RADIOACTIVE PROPERTIES

[illegible] of granite intrusives [illegible] Izv AN SSSR Ser geofiz [illegible]

ROCKS—TESTING
(see also subdivision under Karaganda Basin)

[illegible] state of rocks in front of the [illegible] V P Fedorov A I [illegible] Ap '64

ROCKS—THERMAL PROPERTIES
(see also subdivision under Georgia)

Determining the thermophysical constants of coals and rocks at high temperatures. I M.Mesin. Izv.vys. ucheb zav., gor.zhur. 7 no.4 3-9 '64

ROCKS, CARBONATE see subdivision under Krivoy Rog Basin

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Caucasus; Krivoy Rog Basin, Miass region (Chelyabinsk Province)

ROCKS, EFFECT OF TEMPERATURE ON

Using the optical method to study the effect of the temperature factor on the stressed state of the rock massif K V.Koshelev, V I. Dolzhenko Sbor.trud Inst. gor.dela AN URSR no.13 69-73 '63

ROCKS, IGNEOUS
(see also subdivision under Kamchatka; Transbaikalia; Takheris-Tskali Valley)

Kuznetsov, IU. A. [Main igneous rock formations] Glavnye tipy magmaticheskikh formatsii. Moskva, Izd-vo "Nedra," 1964 386 p.

ROCKS, IGNEOUS—ANALYSIS see subdivision under Donets Basin

ROCKS, IGNEOUS—CLASSIFICATION

Shteinberg, D. S. [Chemical classification of effusive rocks] O khimicheskoi klassifikatsii effuzivnykh gornykh porod Sverdlovsk, 1964. 106 p (Akademiia nauk SSSR. Ural'skii filial. Institut geologii. Trudy, no 72)

ROCKS, SEDIMENTARY
(see also subdivision under Badkhyz, Mount; Bug Valley; Ingul Valley, Kopetdag, Krasnovodsk Peninsula, Krivoy Rog Basin, Mishovdag Oil Field, Sylva River; Turkmenistan)

Soveshchanie po litologii i mineralogii osadochnykh porod. Baku, 1956. [Transactions of the Conference on the Lithology and Mineralogy of Sedimentary Deposits] Trudy. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 265 p. illus., plates, maps, diagrs, tables.
(OkU)

ROCKS, SEDIMENTARY—ANALYSIS
(see also subdivision under Russian Platform)

Solomin, G. A. [Methods for determining the redox potential and pH of sedimentary rocks] K metodike opredeleniia okislitel'no-vosstanovitel'nogo potentsiala i pH osadochnykh porod. Moskva, Izd-vo "Nauka," 1964 86 p.

ROCKS, SEDIMENTARY—DENSITY see subdivision under Soviet Central Asia

ROCKS, SEDIMENTARY—MAGNETIC PROPERTIES see subdivision under Gissar Range

ROCKS, SEDIMENTARY—TESTING

Effect of moisture on the properties of sedimentary rocks IU. A. Onishchenko. Ugol' Ukr 8 no 4:20-23 Ap '64.

ROCKWELL TEST—EQUIPMENT AND SUPPLIES

Making hardness plates from rejected gauge blocks. V.M.Savin. Izm.tekh. no.5:39 My '64.

RODENTS see subdivision under Caspian Sea region

RODENTS AS CARRIERS OF DISEASE see subdivision under Caspian Sea region, Furmanovo District

ROLLAND, ROMAIN, 1866-1944

Romain Rolland's opinion of Hertzen. A.L.Grigor'ev. Uch.zap.Ped.inst.Gerts. 237:173-184 '63.

ROLLING (METALWORK)

Arkulis, G. E. [Simultaneous plastic deformation of dissimilar metals] Sovmestnaia plasticheskaia deformatsiia raznykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 270 p.

Lipukhin, V. A. (Sheet rolling in capitalist countries] Listoprokatnoe proizvodstvo v kapitalisticheskikh stranakh. Moskva, Izd-vo Metallurgiia, 1964. 204 p.

ROLLING (METALWORK)—QUALITY CONTROL

Beniakovskii, M. A., and others. [Quality of sheet surfaces] Kachestvo poverkhnosti listov. Moskva, Izd-vo "Metallurgiia," 1964. 53 p.

ROLLING CONTACT

Determination of specific pressures V. A. Nikolaev. Izv vys.ucheb zav ; chern met. 7 no.6:77-80 '64

ROLLING MILLS

Distribution of torque in the spindles of two-high reversing medium sheet mills V S. TSeluikov, M A Zaikov, N A Fedorov Izv vys ucheb zav , chern met 7 no 6 109-113 '64

Experimental investigation of force and energy conditions of rolling in flat, T-bar shaping grooves D I Starchenko T F Vlasov Izv vys ucheb zav , chern met 7 no 6 81-87 '64

ROLLING MILLS—ELECTRIC DRIVING

Current regulator in the electric drive of a reversive rolling mill with electronic generator excitation. N. P. Kunitskii, G. M Ivanov Izv vys.ucheb zav ; elektromekh 7 no. 6:714-723 '64

ROLLING MILLS—ELECTRIC EQUIPMENT

Ligerman, I. I. [Design of electric equipment of rolling mills] Konstruirovanie elektricheskikh ustanovok prokatnykh tsekhov. Izd. 2., perer. i dop. Moskva, Izd-vo "Metallurgiia," 1964. 366 p.

ROLLS (ROLLING MILLS)

Approximate modeling of stresses in the surface layers of work rolls P I Polukhin and others Izv vys. ucheb zav , chern met 7 no 6 97-102 '64

Draigor, D. A., and others. [Roll durability in cold rolling finishing] Stoikost' valkov chistovogo kholodnogo prokata. Moskva, Izd-vo "Mashinostroenie," 1964. 126 p.

ROMASHKINO OIL FIELD—OIL FIELD FLOODING

Using temperature effects in investigating the wells of the Romashkino field. IU.V.Kapyrin, G.F.Trebin, L.Z.Pozin. Neft.khoz. 42 no.3:26-32 Mr '64.

ROMASHKINO OIL FIELD—PETROLEUM PRODUCTION

Nonuniformity of reservoir D_I in the Romashkino oil field according to the data of field investigations of wells V. D. Lysenko, Z. D Mukharskii Neft khoz 41 no. 1 36-39 Ja '63.

ROME—SLAVERY

Shtaerman, E. M. [Flourishing of slaveowning relations in the Roman Republic] Rastsvet rabovladel'cheskikh otnoshenii v Rimskoi respublike. Moskva, Izd-vo "Nauka," 1964. 261 p. (Issledovaniia po istorii rabstva v antichnom mire)

ROOFING

Investigating the degree of inflammability of the MK-4 rubber roofing in rolls E. N. Bakin, V. N Eliseev Sbor rab.pozh -ispyt.sta no. 3.78-80 '62.

ROOFING, BITUMINOUS see subdivision under Ukraine

ROOFING, CONCRETE

Extend the manufacture and use in construction of large roof slabs. Biul stroi.tekh. 21 no 1.4-6 Ja '64.

Manufacturing prestressed multipan roofing panels from compact lime concrete. Biul.stroi tekh. 21 no 1:14-15 Ja '64

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Provisional instructions for designing prestressed hollow panels for roofs made of solid sand-lime concrete, Approved by the State Committee for Construction of the U. S. S. R. September 30, 1963] Vremennye ukazaniia po proektirovaniiu predvaritel'no napriazhennykh mnogopustotnykh panelei perekrytii iz plotnogo silikatnogo betona (SN 260-63). *Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR* 30 sentiabria 1963 g. Moskva, Gosstroiizdat SSSR, 1964. 34 p.

Sukhoveev, R. G., and A. I. Cherepennikov. [*Prestressed* concrete elements for roofing industrial buildings] Predvaritel'no napriazhennye zhelezobetonnye konstruktsii pokrytii promyshlennykh zdanii. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 90 p.

ROOFING, TILE see subdivision under Ukraine

ROOFS see subdivision under Russia, Northern

ROOFS, SHELL

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Construction of covered markets using 40x40 m double curvature precast reinforced shells] Stroitel'stvo krytykh rynkov s ispol'zovaniem sbornykh zhelezobetonnykh obolochek dvoiakoi krivizny razmerami 40x40 m. Moskva, Gosstroiizdat, 1962. 46 p.

[MICROFILM]

Calculating continuous cylindrical shells. M.V.Shteinberg. Stroi.mekh.i rasch.sooruzh. 5 no.6:1-8 '63.

ROOTS (BOTANY)

Accretion of roots in some tree species. M. Korac, M. R. Gaic. Agrobiologiia no.3:464-466 My-Je '64.

Characteristics of the development of the root systems of some soybean varieties in the irrigated lands of Alma-Ata Province I. O Baitulin, N. V. Tumanova Vest sel'khoz. nauki [Kazakh.] 7 no. 6:8-13 Je '64

Coumarins from roots of Frangos Fedshchenkoi (Rgl. et Schmalh.) Eug. Kor. G. A. Kuznetsova, L. M Sokolova. Zhur. prikl. khim. 37 no. 5:1105-1110 My '64

Effect of heteroauxin on the excretion of sap by sunflower roots. L.V.Mozhaeva, Khuan Mu-fui (Huang Mu-[illegible]), L.A.TSareva. Izv.TSKHA no.5:47-50 '63.

Effect of the air balance of soil on the vital activity of root systems. I. N. Rakhtseenko, S. B. [illegible] Vestsi AN BSSR. Ser. biial. nav. no. 7:1 [illegible] '63.

Pigments of the root system of the grapevine. T. IA. Chkuaseli, D. V. Kotaeva. Soob. AN Gruz. SSR 31 no. 1 139-142 Jl '63.

Respiration of plant roots under the conditions of different aeration. T. V. Chirkova. Vest. LGU 19 no. [illegible] 130 '64.

ROOTS (BOTANY)—MORPHOLOGY

Morphology of the roots of apple trees bearing defective (affected by rosette disease or small-leaved) shoots. V. G. Khrzhanovskii, N P Sokolova-Domashskaia. Izv TSKHA no.5:59-67 '63.

ROSALES

Evolution of pollen in the orders Cunoniales and Saxifragales as related to some problems of their taxonomy and phylogeny. V. Sh. Agababian. Izv AN Arm. SSR, Biol. nauki 17 no. 1:59-72 Ja '64

ROSIN ACIDS see Resin acids

ROSTOV-ON-DON—HISTORY, MILITARY—CONGRESSES

Military and historical conference in Rostov-on-Don. N. Ganotskii. Voen.-ist zhur. 5 no. 7:117 [illegible] '63.

ROSTOV PROVINCE—COMMUNIST PARTY OF THE *SOVIET UNION—PARTY WORK*

Practice of Rostov Communists. P. Zhilin, [illegible] N. Sviridov. Kommunist 41 no. 9:47-54 Je '64.

ROSTOV PROVINCE—COMMUNITY AND SCHOOL

Our communal workers [illegible] no 6.21-23 Je '64

ROSTOV PROVINCE—LONGICORN BEETLES

Biology of longicorn beetles (Coleoptera, Cerambycidae) pests of Ulmaceae A. D. Maslov. Zool. zhur. 43 [illegible] 43-53 '64.

ROSTOV PROVINCE—RICE

Rice as a future crop in Rostov Province. Z. Tolsikova, F. Timchenko. Ekon.sel'khoz. 31 no. 12:35-39 [illegible] '63.

ROSTOV PROVINCE—*STATE FARMS*—AUDITING AND INSPECTION

Audits produced beneficial results. D. Grigorenko, N. Silkin. Fin. SSSR 38 no. 7:61-62 Jl '64.

ROTARY HEARTH FURNACES

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii tsvetnoi metallurgii. [Rotary hearth furnaces, their operation and adjustment] Vrashchaiushchiesia pechi i ikh tekhnicheskoe obsluzhivanie. Moskva, 1963 [illegible] p (Metallurgiia legkikh metallov)

[MICROFILM]

ROTATING MASSES OF FLUID

Formation of a macroscopic vortex in rotating liquid helium. D. S. TSakadze. Trudy Inst. fiz. AN [illegible] 9:151-152 '63.

Measuring the frequency and damping of the vibrations of a light disc suspended in rotating water. [illegible] Mesoed, D. S. TSakadze. Trudy Inst. fiz. AN [illegible] 9:147-149 '63.

Rotation of a conducting fluid with shifting center. [illegible] Khantadze Soob AN Gruz SSR 31 no. 3 543-[illegible] '63.

ROTATION OF CROPS
(see also subdivision under Kabardino-Balkar A. S. S. R., Kzyl-Orda Province)

Effectiveness of clover as a fallow crop in the [illegible] forest steppe of Siberia V. D Bezvikonnyi, G. A. Kaletin. Sbor nauch. rab. Sib nauch.-issl inst sel khoz. no. 6:10-15 '61.

[Mechanization of row crop cultivation] Mekhanizatsiia vozdelyvaniia propashnykh. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 88 p. (Bibliotechka mekhanizatora)
(DNAL)

ROUILLIER, CHARLES, 1814-1858

Karl Frantsevich Rul'e; Feodosii Nikolaevich Chernyshev. Eduard Suess. A.A.Shevyrev. Paleont.zhur. no.2: 167-168 '64.

ROWING

Effect of training in rowing on the posture of adolescents. A.I.Kurachenkov and others. Teor.i prak.fiz.kul't. 27 no.6:49-51 Je '64.

ROZDOL (LVOV PROVINCE)—CHEMICAL WORKERS—*EDUCATION AND TRAINING*

A word from the chemical workers in Rozdol. IU. Borodkin. Komm.Ukr. 39 no.1:89-90 Ja '64.

RUBBER

Crystallization of natural rubber as influenced by plasticization. E. F. Gubanov, N. P. Anoshina, B. IA. Teitel'baum. Dokl. AN SSSR 157 no. 2:433-436 Jl '64.

RUBBER—BIBLIOGRAPHY see Bibliography—Rubber

RUBBER—STANDARDS

[Rubber; methods for testing] Rezina; metody ispytanii. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 233 p. (SSSR. Gosudarstvennye standarty)

RUBBER—TESTING

Effect of the formula of the rubber compound on the mechanical strength of stamped seams S M Mezhykovs'kyi Khim.prom. [Ukr.] no.1:8-10 Ja-Mr '63

RUBBER, FOAM see Foam rubber

RUBBER, SYNTHETIC

Improvement of the production of butadiene-methylstyrene (styrene) rubbers. I.I. Radchenko and others. Kauch i rez 23 no.4:1-6 Ap '64.

Litvin, O.B. [Fundamentals of the technology of rubber synthesis] Osnovy tekhnologii sinteza kauchukov. Izd.2, perer. i dop. Moskva, Izd-vo "Khimiia," 1964. 648 p.

Utilization of the waste products of the synthetic rubber manufacture as inhibitors of acid corrosion. V.A Khitrov and others. Khim.prom. no.4:307-310 Ap '64.

RUBBER COATINGS

New method for rubber coating of cast faucets. P.V. Vlasov. Khim.prom. [Ukr.] no 1 79-82 Ja-Mr '63

RUBBER GOODS

Using rubber protective equipment for moorings. M.I. Pritsker. Transp.stroi. 13 no.12:66-68 D '63.

RUBBER GOODS—STANDARDS

[Rubber and rubber-textile packings] Uplotneniia rezinovye i rezino-tkanevye. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 88 p. (SSSR. Gosudarstvennye standarty)

RUBBER GOODS—TESTING

Failure of rubber packing rings of circular cross section under the effect of stresses. B.M.Gorelik, G.I. Fel'dman. Kauch.i rez. 23 no.4:19-21 Ap '64.

RUBBER INDUSTRY

News of science and technology abroad. Kauch.i rez. 23 no.4:52-56 Ap '64.

Problems of raw materials for the rubber industry. G.A.Blokh. Kauch.i rez. 23 no.4:50-51 Ap '64

RUBBER INDUSTRY—MANAGEMENT

Borodkin, I.A. [Economics and planning in the rubber industry] Ekonomika i planirovanie rezinovoi promyshlennosti. Moskva, Ekonomika, 1964. 204 p.

RUBBER MACHINERY

Attachment to the MRS-2-type machine for testing the dynamic force of adhesion of a single cord thread to rubber. M.S.Dozortsev, M.D.Privler. Kauch.i rez. 23 no.4:49 Ap '64.

Worm devulcanizer "320." IU.P. Vertebnyi. Khim.mashinostr. no.1:41 Ja '63.

RUBBER TIRES see Tires, Rubber

RUBBER TO METAL BONDING

Elasto-rigid part joints in sliding bearings and other machine units. A.V.Kol'chenko, Z.P.Osinchuk. Mashinostroenie no.1:31-34 Ja-F '64.

RUBBERIZED FABRICS

Attachment to the MRS-2-type machine for testing the dynamic force of adhesion of a single cord thread to rubber. M.S.Dozortsev, M.D.Privler. Kauch.i rez. 23 no.4:49 Ap '64.

Investigating the process of electrization in a fiber during spreading. V.N.Shikhov, L.P.Nikulina. Kauch.i rez. 23 no.4:42-46 Ap '64.

RUBIDIUM

Effect of rubidium content on the parameters of the unit cell of muscovite. V.V.Gordienko, A.P.Denisov. Dokl.AN SSSR 156 no.2:336-337 My '64.

RUDAKOVO, LAKE—FRESHWATER FLORA

Aquatic vegetation in Lake Rudakovo. H.F.Zakharenkava. Vestsi AN BSSR.Ser.biial.nav. no.3:106-110 '63.

RUFANOV, IVAN GUR'EVICH, 1884-

Ivan Gur'evich Rufanov; on his 80th birthday. Khirurgiia 40 no.2:3-5 F '64.

RUMANIA—BIBLIOGRAPHY

[New literature on Rumania] Nov.lit.po Rum. nos.3-5 '64.

RUMANIA—ECONOMIC CONDITIONS

Alekseev, I.A. [The day of liberation; 20 years of People's Rumania] Den' osvobozhdeniia; Narodnoi Rumynii—20 let. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no.13)

RUMANIA—GAS, NATURAL

Development of the gas industry in the Rumanian People's Republic. L.M.Tomashpol'skii. Gaz.delo no.5:40-43 '64.

RUMANIA—POLITICS AND GOVERNMENT

Alekseev, I.A. [The day of liberation; 20 years of People's Rumania] Den' osvobozhdeniia; Narodnoi Rumynii—20 let. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no.13)

RUMEN

Some data on the effect of trace elements on the splitting of cellulose V A Moiseev Vest AN Kazakh SSR 19 no 6 40-45 Je '64

RUMEN—MICROBIOLOGY

Studying the rumen contents of cows afflicted with alimentary osteodystrophies V P Kruglov Zap Vor sel'khoz inst 17 no.2 195-200 '62

RUMINANTS—PARASITES see Parasites—Ruminants

RUNOFF

(see also subdivision under Caucasus, Northern; Georgia)

Analysis of measured discharges of frazil and ice and calculation of the flow of ice material. R.A. Nezhikhovskii. Trudy GGI no.110:35-53 '64.

Hydrochemical method for determining the underground runoff of spring fed rivers. Sh.A.Shakhbazian. Izv. AN Arm.SSR.Ser.tekh.nauk 17 no.2.45-52 '64

Periodicity of the fluctuation of runoff in connection with runoff control over a period of years. I.V.Khomeriki. Trudy Inst.energ.AN Gruz.SSR 17:153-160 '63.

Use of a fragment technique in modeling hydrological series taking into account annual runoff distribution. G.G.Svanidze. Trudy Inst.energ.AN Gruz.SSR 17:273-282 '63.

RURAL CONSTRUCTION

(see also subdivision under Dnepropetrovsk Province; Leningrad Province; Stavropol Territory; Ukraine; Virgin Territory)

From the "Construction" section of the Exhibition of the Achievements of the National Economy Bet i zhel.-bet. 10 no.4:190-191 Ap '64.

Using in rural construction the panels made in rolling mills. M.E.Averbakh Biul.stroi tekh. 21 no.1.40 Ja '64.

RURAL CONSTRUCTION—BIBLIOGRAPHY see Bibliography—Rural construction

RURAL CONSTRUCTION—FINANCE

Issuing credit for individual housing construction in a village. V.Chernyshev. Den.i kred 22 no.6:32-36 Je '64.

RURAL CONSTRUCTION—MANAGEMENT

(see also subdivision under Kharkov Province; Vinnitsa Province)

RURAL ELECTRIFICATION

Instructions on designing rural electrical systems. Energetik 12 no.4.29 Ap '64

RURAL MEDICINE see Medicine, Rural

RURAL PLANNING

(see also subdivision under Kazakhstan; Kokchetav Province; Yesil' District)

District agricultural planning. I.I.Biriulin. Biul.stroi. tekh 21 no.1.42 Ja '64

Planning apartment houses and public buildings. D.Breslavtsev. Sel'.stroi. 18 no.10:4-6 O '63.

What the Republic State Institute for Agricultural Planning and Construction is doing. M.Mikhalchenkov. Sel'.stroi. 18 no.10:3-4 O '63.

RURAL SCHOOLS

(see also subdivision under Ukraine)

In a Moscow region village E.Krechetova Nar.obr. no.6:72-78 Je '64.

RURAL WATER SUPPLY see Water supply, rural

RUSSIA—AIR FORCE

Augmenting the traditions of victors. Av.i kosm. 46 no.5:2-6 My '64.

Creation of the party, wings of the fatherland. Av.i kosm. 47 no.7:2-5 Jl '64.

Introduce all advanced innovations efficiently. K.Vershinin. Av.i kosm. 47 no.6:2-6 Je '64.

RUSSIA—AIR FORCE—NONCOMMISSIONED OFFICERS

What an aviator sergeant should be like. Konstantin Andreevich Vershinin. Starsh.-serzh. no.6:2-3 Je '64.

RUSSIA—AIR FORCE—OFFICERS

At the control panels is an air force pilot of the first class. E.Sukhorukov. Av.i kosm. 47 no.6:10-13 Je '64.

Authority is gained by work. N.Skomorokhov. Av.i kosm. 47 no.6:72-75 Je '64.

Commander and technical staff. F.Garsevanishvili. Av.i kosm. 47 no.6:53-56 Je '64.

Confidence inspires. D.Zemlianskii. Av.i kosm. 47 no.6:39-42 Je '64.

Only excellent marks. P.Mel'nikov. Av.i kosm. 47 no.6:48-51 Je '64.

And the power of weapons will be increased tenfold. V.Tiukhtiaev. Av i kosm. 47 no.7.35-40 Jl '64.

Restless office. G Sosnovskii Av i kosm. 47 no.6: 51-53 Je '64.

They are our beacons S Mironov. Av.i kosm 47 no 6 7-9 Je '64

Those who lagged went ahead M Piskunov Av i kosm 47 no 6 37-39 Je '64

Trail in the sky A Khorobrykh Av i kosm 47 no.6 33-36 Je '64

Yesterday it was good, today it is better A.Kozlov. Av i kosm 47 no 6 43-45 Je '64.

RUSSIA—AIR FORCE—POLITICAL ACTIVITY

In close business contact. G.Bezborodov. Av.i kosm. 46 no.5:7-12 My '64.

RUSSIA—ARMED FORCES

Karamyshev, V.A., comp. [Together with the people to the great goal] Vmeste s narodom k velikoi tseli.. Moskva, Voenizdat, 1964. 319 p.
(MH)

Powerful Union of Soviet Republics Voen vest 42 no 12:3-8 D '62

RUSSIA—ARMED FORCES—EDUCATION, NON-MILITARY

Lively, interesting method of instruction. A.IAkovlev, IU.Zaitsev. Komm.Vooruzh.Sil 3 no.13.59-61 Jl '63.

RUSSIA—ARMED FORCES—INSPECTION

First steps. N.Shutkovskii, P.Bodenkov. Komm.Vooruzh.Sil 4 no.19:71-75 O '63.

Under army community control. Komm.Vooruzh.Sil 3 no.13.92 Jl '63.

Year of strenuous and fruitful work. Komm.Vooruzh. Sil 4 no.10:30-36 My '64.

RUSSIA—ARMED FORCES—MILITARY LIFE

It's good, when there's such friendship. N.Overina. Sov.voin 44 no.24:30-31 D '62.

And that isn't something little, you know! N.Balev. Komm.Vooruzh.Sil. 3 no.13:64 Jl '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Accounts and elections in Communist Youth Leage organizations. Komm.Vooruzh.Sil 4 no.19:86-89 O '63.

Combat missions of primary party organizations. Komm. Vooruzh.Sil 4 no.10:3-9 My '64.

A communist is an active champion of party policy. N.Shul'ga. Komm.Vooruzh.Sil. 3 no.13:35-41 Jl '63.

Education by exploit. IU.El'chenko. Komm.Vooruzh. Sil 4 no.19:76-83 O '63.

The first ones in the great campaign! IU.Ustinov. Sov.voin 46 no.12:1 Je '64

Follow-up of our articles. Komm.Vooruzh.Sil 3 no.13: 96 Jl '63.

Group of voluntary propagandists. V.Mal'kov. Komm. Vooruzh.Sil 4 no.19:83 O '63.

Ideological work and the newspaper. V.Grekov. Komm. Vooruzh.Sil 4 no.19:17-23 O '63.

In the struggle for putting into practice the decisions of the June Plenum of the Central Committee of the CPSU, from the editor's mail. Komm.Vooruzh.Sil 4 no.19: 51-57 O '63.

It is a high honor to be a member of the CPSU. F.N.Petrov. Komm.Vooruzh.Sil 4 no.19:43-50 O '63.

Leninist relay race on its way. N.Chaidymov and others. Sov.voin 46 no.12:2-3 Je '64.

Members of the committee are working in small units. V.Krokhmaliuk. Komm.Vooruzh.Sil 3 no.13.73-75 Jl '63.

Militant, burning visual agitation. V.Sadkovskii. Komm. Vooruzh.Sil 3 no.13:62-63 Jl '63.

Militant vanguard of the Soviet people. A.Putintsev. Komm.Vooruzh.Sil 4 no.13:77-84 Jl '64.

News of party and political work. Komm.Vooruzh.Sil 3 no.13:93-95 Jl '63.

News of party and political work. Komm.Vooruzh.Sil 4 no.10:94-96 My '64.

News of party and political work. Komm.Vooruzh.Sil 4 no.13:93-96 Jl '64.

News of party and political work. Komm.Vooruzh.Sil 4 no.19:93-95 O '63.

People are becoming strong. A.Putintsev. Komm. Vooruzh.Sil 4 no.10:79-83 My '64

Plan mass political work better. IU.Zotov. Komm. Vooruzh.Sil 4 no.10:60-62 My '64.

Political agencies at training exercises and on marches. F.Sizov. Komm.Vooruzh.Sil 4 no.13:14-21 Jl '64.

Propagandists of advanced experience. A.Pogodaev. Komm.Vooruzh.Sil 3 no.13:55-58 Jl '63.

Raise the ideological seasoning of Soviet soldiers. Voen.-ist.zhur. 5 no.7.3-10 Jl '63.

The Soviet state during the extensive construction of communism. A.Pozmogov. Komm.Vooruzh.Sil. 4 no.10:70-78 My '64.

Suggestions of young people put into practice. N.Chistiakov. Komm.Vooruzh.Sil 3 no.13:70-73 Jl '63.

Take care of high technical culture. V.Komissarov. Komm.Vooruzh.Sil 4 no.13:49-54 Jl '64.

Temper military cadres ideologically. Komm.Vooruzh. Sil 4 no.19:3-7 O '63.

This broadens the outlook of propagandists. M.Renzin. Komm.Vooruzh.Sil 4 no.19:81-84 O '63.

Where should matters concerning party misdemeanors be considered? Komm.Vooruzh.Sil 3 no.13:84-85 Jl '63.

[illegible] ARMY—[illegible] UNIFORMS

[illegible] Starsh serzh no 6 23 [illegible]

[illegible] ARMY

[illegible] of the [illegible] Voen [illegible]

[illegible] Sov voin 44 no 24 [illegible]

[illegible] ARMY—AIRBORNE TROOPS

[illegible] V Margelov. [illegible] 4 no 13 [illegible]-24 Jl '64

[illegible] ARMY—ARTILLERY

[illegible] V Garnago Voen vest [illegible] D '62

[illegible] sergeants are [illegible] into the units D Zaverza [illegible] 42 12 115-120 D '62

[illegible] S Tarkh- [illegible] 7 123- [illegible]

[illegible] N Mar[illegible] Voen vest 42 [illegible]

[illegible] ARMY—HISTORY

[illegible], N G [The Fastov Guards Brigade, military history The 53 Guards Tank Brigade decorated with the Orders of Lenin, the Red Banner and the Orders of Suvorov and Bogdan Khmel'nitskii] Fastovskaia gvardeiskaia, [illegible] 53-i gvardeiskoi ordena Lenina Krasnoznamennoi, ordenov Suvorova i Bogdana Khmel'nitskogo tankovoi brigady Moskva, Voenizdat, 1964 [illegible] p

Tereshkov, A F., M. P Skirdo, and A. K. Mironov. [The Taman' Guards Division] Gvardeiskaia, Tamanskaia. Moskva, Voenizdat, 1964 203 p

RUSSIA—ARMY—MILITARY LIFE

[illegible] guards are [illegible] home [illegible] Avdeenko, Starsh serzh no 6 32-33 Je '64

[illegible] I Zenalov and others Sov voin 46 no 12 [illegible]-33 Je '64

[illegible] and others Sov voin [illegible]

[illegible] Petts and others. Sov. voin 46 no 11 [illegible]-31 Je '64

RUSSIA—ARMY—NONCOMMISSIONED OFFICERS

[illegible] work I. Resse[illegible]kin, [illegible] Sil 4 no 10 54-55 My '64.

Example from the commander V Garnago Voen vest 42 no 12 113-115 D '62

Good sergeants are coming into the units D Zaverza Voen vest 42 no 12 116-120 D '62

[illegible] A. Zagliada Komm Vooruzh. Sil 4 no 11 57 My '64

[illegible] good [illegible] with care A. Sapronov, Komm. Vooruzh. Sil 4 no 10 55-56 My '64.

RUSSIA—ARMY—OFFICERS

The example leads I Fiseler Sov voin 46 no. 11 8 Je '64

Follow-up of our articles. Komm. Vooruzh. Sil 4 no. 19: 96 O '63.

A knowledge of psychology for every officer. S. Zarechin, Komm. Vooruzh. Sil 4 no. 19:64-66 O '63.

What disturbs the young commander of a platoon. N. Belous. Komm Vooruzh. Sil 4 no. 19:66-70 O '63.

RUSSIA—ARMY—PHYSICAL TRAINING

Strong hardened men V Molokus Voen vest 42 no 12 30 32 D '62

RUSSIA—ARMY—POLITICAL ACTIVITY

Choir leaders G Bellanin Sov. voin 46 no 11:9-12 Je '64.

A guarantee, the conscience. V. Kazharskii Komm. Vooruzh Sil 4 no 13.74-76 Jl '64.

How is the work of women's soviets be organized? Komm Vooruzh Sil 3 no 13 81-84 Jl '63.

Implant taste into the study of theory. A. Sablukov. Komm. Vooruzh. Sil 4 no. 19:57-61 O '63.

Key to the "secrets" of education. V. Kotov. Komm. Vooruzh. Sil 4 no 10 45-48 My '64.

Party and political work at tactical exercises. E. Nazarov. Komm. Vooruzh. Sil 4 no. 13:89-92 Jl '64.

Party influence should be effective, P. Slepov. Komm. Vooruzh. Sil 4 no. 13:39-42 Jl '64.

Russia (1923- U.S.S.R.) TSentral'nyi gosudarstvennyi arkhiv Sovetskoi Armii. [Party and political work in the Red Army, March 1919-1920; documents] Partiino-politicheskaia rabota v Krasnoi Armii (mart 1919-1920 gg.); dokumenty. Moskva, Voenizdat, 1964. 534 p.

What disturbs the young commander of a platoon. N. Belous. Komm. Vooruzh. Sil 4 no. 19 66-70 O '63.

RUSSIA—ARMY—SPORTS

Strong hardened men V Molokus Voen vest 42 no 12 30-32 D '62

RUSSIA—ARMY—STATISTICS

The White Russian operation in figures. Voen.-ist. zhur. 6 no. 6:74-86 Je '64.

RUSSIA—COMMERCE

[Foreign trade of the U.S.S.R. in 1963; a statistical survey] Vneshniaia torgovlia Soiuza SSR za 1963 god; statisticheskii obzor. Moskva, Vneshtorgizdat, 1964. 263 p.

Interstate trade in manufactures S Trifonov Sov torg 37 no 5 4-10 My '64

Kadyshev, V. P. [The U.S.S.R. in foreign markets] SSSR na vneshnikh rynkakh. Moskva, Vneshtorgizdat, 1964 80 p

New foreign trade organization T Nikitenko, V Filippov Vnesh torg 44 no 5 33-40 '64

Paragraphs from letters Sov torg 37 no 5 36 My '64

Search for new resources. V. Zhdan. Vnesh torg 44 no 5 41-42 '64

Several problems of advertising D. Bekleshov. Vnesh. torg 44 no 5 54-57 '64

RUSSIA—COMMERCE—EUROPE, EASTERN

New Soviet economic agreements, an interview with I. F. Semichastnov Nov. vrem. 21 no. 28 17 Jl '64.

RUSSIA—COMMERCE—ITALY

Senator Martinelli on his U.S.S.R. visit, an interview. Nov. vrem. 21 no. 27 15 Je '64.

RUSSIA—COMMERCE—JAPAN

Japanese firms are trade partners in the All-Union Association of "Raznoimport." A. Drobiazko. Vnesh torg 44 no. 5 30 '64

RUSSIA—COMMERCE—NETHERLANDS

Zlatogorov, L. S., ed. [Holland; commerce and transport, industry and agriculture, handbook for encouraging the development of commerce between the U.S.S.R. and the Netherlands. Translated from the Dutch] Gollandiia· torgovlia i transport, promyshlennost, sel'skoe khoziaistvo; spravochnik dlia sodeistviia razvitiiu torgovykh snoshenii mezhdu SSSR i Niderlandami. Izd. 2., perer. i dop. [Amsterdam] 1959. 250 p.
(OkU)

RUSSIA—COMMERCE—PAKISTAN

One day to Karachi. A. Golikov. Nov. vrem. 21 no. 27. 24-27 Je '64.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Party

RUSSIA—CULTURE

Baller, E. A., and S. M. Kosolapov. [What is culture] Chto takoe kul'tura. [Moskva] Mosk. rabochii, 1964. 139 p.

Golden age of Soviet culture. Komm. Vooruzh. Sil 4 no. 19:84-85 O '63.

V. I Lenin's struggle against leftist distortions of socialist culture. I. L. Aronchik Nauch. dokl. vys. shkoly, filos nauki 7 no 2 11-18 '64

RUSSIA—DIPLOMATIC AND CONSULAR SERVICE

History of the organization of the Commissariat of Foreign Affairs, M. P. Iroshnikov. Ist. SSSR 8 no. 1: 105-116 Ja-F '64.

RUSSIA—ECONOMIC CONDITIONS

The building of communism and the development of closer relations between the socialist peoples. G. Vatian Komm Ukr 39 no 1·82-87 Ja '64

Forty-sixth anniversary of the Great October Socialist Revolution; materials for reports and discussions. Komm. Vooruzh. Sil 4 no. 19:30-38 O '63.

Hand of the Soviet people, Boris Zubavin. Sov. voin 44 no. 24:2-3 D '62.

Krikheli, G. D. [Against falsification of the CPSU nationality policy; recommended by the Scientific and Methodological Commission on the History of the CPSU of the All-Union Society of "Znanie"] Protiv fal'sifikatsii natsional'noi politiki KPSS; rekomendova na nauchno-metodicheskoi komissiei po istorii KPSS Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike, I Seriia: Istoriia, no. 13)

Poverty of spirit. B. Leont'ev. Kommunist 41 no. 9: 110-118 Je '64.

Senator Martinelli on his U.S.S.R. visit, an interview, Nov. vrem. 21 no. 27:15 Je '64.

Textbook on the history of the national economy of the U.S.S.R. A. P. Pogrebinskii and others. Vest. vys. shkoly 22 no 5·88-94 My '64.

Zerkin, D. P. [Communist production relations; the dialectics of the development and improvement of socialist production relations] K kommunisticheskim proizvodstvennym otnosheniiam; o dialektike razvitiia i sovershenstvovaniia sotsialisticheskikh proizvodstvennykh otnoshenii. Moskva, Izd-vo "Znanie," 1964. 43 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 14)

RUSSIA—ECONOMIC CONDITIONS—MATHEMATICAL MODELS

Models of national economic planning. V Nemchinov. Vop ekon. no 7 75-86 Jl '64

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

Main economic objective. G. G. Potapov, D. A [illegible] Trudy LVMI 1:3-10 '62

Methodological problems of developing the five-year plan A Klinskii. Plan khoz [illegible] no 7 [illegible] 93 Jl '64

The party and soviet press in the nationwide discussion on the draft of the seven-year plan, based on materials of the central and local press. A. V. [illegible] zap. kaf. ist. KPSS no. 4·63-80 '64.

Rogovoi, M. R. [Mathematical methods in planning] Matematicheskie metody v planirovanii. Moskva, Ekonomika, 1964. 118 p. (V pomoshch' ekonomistu i planoviku)

State control in the first years of Soviet power. A. I. Koniaev. Ist. SSSR 8 no. 1:30-51 Ja-F '64.

"Russian foreign policy, 1907-1914" by P. N. Efremov. Reviewed by M. I. Grishina. Ist. SSSR 7 no. 2:171-174 Mr-Ap '63.

RUSSIA—ECONOMIC POLICY—CONGRESSES

Methodological problems of planning ahead. A Klinskii Vop ekon no. 7·152-156 Jl '64

RUSSIA—FOREIGN RELATIONS

Another anticommunist fabrication. A. N. Talalaev. Sov. gos. i pravo 34 no. 5:142-144 My '64.

Editorial comment. Nov. vrem. 21 no. 30:1 4 Je '64

"The education of a Russian statesman; the memoirs of Nicholas Karlovich Giers" [in English]. Reviewed by G. IA. Danilina. Ist. SSSR 7 no. 2:212-213 Mr-Ap '63.

General line of Soviet foreign policy. V. Vershinin. Komm. Vooruzh. Sil 4 no. 19:8-16 O '63.

Moscow. Institut mezhdunarodnykh otnoshenii. [Problems of international law] Voprosy mezhdunarodnogo prava. Moskva, IMO, 1963. 207 p.
(CStmoR)

Moscow. Publichnaia biblioteka. [Peaceful coexistence and the struggle of the U.S.S.R. for peace; survey of the literature] Mirnoe sosushchestvovanie i bor'ba SSSR za mir; obzor literatury. Moskva, 1963. 30 p (V pomoshch' chitateliu, no. 3)

"Russia" [in English] by Ch. W. Thayer. Reviewed by IU. I. Igritskii. Ist. SSSR 7 no. 2:209-212 Mr-Ap '63.

United Nations, Soviet Union, and the [illegible] V. G. Poliakov. Ist. SSSR 8 no. 1:192-194 Ja-F '64

RUSSIA—FOREIGN RELATIONS—CHINA

The building of communism in the U.S.S.R. is the great international task of the Soviet people B. Ponomarev. Kommunist 41 no. 11:36-61 Jl '64.

Loyalty to the principles of Marxism-Leninism. [illegible] i proizv. 8 no. 5:2-4 My '64.

Loyalty to the principles of Marxism-Leninism. Sem'ia i shkola 19 no. 5:1-2 My '64.

Revolutionary science and the present. L. Il'ichev. Kommunist 41 no. 11 12-35 Jl '64.

Some aspects of the history of Russian-Chinese relations in the first half of the 17th century. Dzh. [illegible] Pratsi Od. un. 150 Zbir. stud. rob. no. 6:27-[illegible] '60.

Truth against dogma. A. Bovin. Nov. mir 39 no. 10: 174-190 O '63.

RUSSIA—FOREIGN RELATIONS—GERMANY, EAST

Editorial comment. Nov. vrem. 21 no. 27: 1-3 Je '64.

[Our unity is indissoluble; sojourn in the U.S.S.R. of Comrade W. Ulbricht, First Secretary of the Central Committee of the German Socialist Unity Party, Chairman of the State Council of German Democratic Republic, May 29-June 13, 1964] Nashe edinstvo nerushimo, prebyvanie Pervogo sekretaria TSentral'nogo Komiteta sotsialisticheskoi edinoi partii Germanii, Predsedatelia Gosudarstvennogo soveta GDR tovarishcha V. Ul'brikhta v SSSR, 29 maia-13 iiunia 1964 goda. Moskva, Politizdat, 1964. 205 p.

Supplement; Treaty of friendship, mutual assistance and cooperation between the Union of Soviet Socialist Republics and the German Democratic Republic. Report on the friendship visit to the Soviet Union of Comrade W. Ulbricht, First Secretary of the Central Committee of the Socialist Unity Party of Germany and Chairman of the State Council of the German Democratic Republic. Nov. vrem. 21 no. 26:31-40 Je '64.

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

"Britain, Russia and the armed neutrality of 1780" [in English] by Isabel de Madariaga. Reviewed by N. N. Bolkhovitinov. Ist. SSSR 8 no. 1:206-209 Ja-F '64.

RUSSIA—FOREIGN RELATIONS—MONGOLIA

[illegible]

[illegible] Leningr. univ., 1959. 13 p.

TSaplin, F. S. [Soviet-Mongolian amity in the years of [illegible]] [illegible] sodruzhe- [illegible] Moskva, Izd-vo [illegible]

RUSSIA—FOREIGN RELATIONS—SCANDINAVIA

N. S. Khrushchev in Scandinavia; a mission of peace and friendship. Nov. vrem. 21 no. 26 3-5 Je '64.

N. S. Khrushchev in Scandinavia; a mission of peace and friendship. Nov. vrem. 21 no. 27:3-5 Je '64.

Victory for peaceful coexistence. Nov. vrem. 21 no. 28 1-3 Jl '64.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Aptheker, Herbert. [U. S. foreign policy and the cold war. Translated from the English] Vneshniaia politika SShA i "kholodnaia voina." Moskva, Inogiz, 1963. 422 p.
(CStmoR)

How American senators interrogated the envoy of the Soviet Government, history of the first Soviet mission to the U.S.A., 1919-1921. G. E. Reikhberg, B. S. Shapik. Ist. SSSR 7 no. 2:81-89 Mr-Ap '63.

RUSSIA—HISTORIOGRAPHY

Discussing the dummy of the first and second volumes of the multivolume "History of the U.S.S.R." E. P. Mikheeva. Ist. SSSR 8 no. 1:219-220 Ja-F '64.

Discussing the dummy of the seventh volume of the "History of the U.S.S.R." M. B. Keirim-Markus, M. A. Sterlikova. Ist. SSSR 8 no. 1:217-219 Ja-F '64.

Moscow. Akademiia obshchestvennykh nauk. [Certain problems in the history of the Soviet society, historiography] Nekotorye problemy istorii sovetskogo obshchestva, istoriografiia. Moskva, Izd-vo "Mysl'," 1964. 281 p.

RUSSIA—HISTORY

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut literatury i iazyka. [Great friendship of the Azerbaijani and Russian peoples (from ancient times to our days), documents, letters, articles, recollections, works of art] Velikaia druzhba azerbaidzhanskogo i russkogo narodov (s drevnikh vremen do nashikh dnei), dokumenty, pis'ma, stat'i, vospominaniia, khudozhestvennye proizvedeniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Book 2. 1964. 477 p.

Chistiakova, E. V. [Vasilii Us, comrade at arms of Stenka Razin; teacher's manual] Vasilii Us, spodvizhnik Stepana Razina, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 75 p.
(MH)

Enlarged session of the editorial council of the "History of the U.S.S.R." in many volumes. E. P. Mikheeva. Ist. SSSR 7 no. 2:224-226 Mr-Ap '63.

Gadzhiev, A. S. [Role of the Russian people in the historical destiny of the peoples of Daghestan] Rol' russkogo naroda v istoricheskikh sud'bakh narodov Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 228 p.

History of the first program of the "Liberation of Labor" group, based on new documents. S. S. Volk. Ist. SSSR 8 no. 1:116-126 Ja-F '64.

New textbook for adults I. Levina Nar. obr no 7:108-110 Jl '64

Powerful Union of Soviet Republics. Voen. vest. 42 no 12:3-6 D '62

"Russia" [in English] by Ch. W. Thayer. Reviewed by IU. I. Igritskii. Ist. SSSR 7 no. 2:209-212 Mr-Ap '63.

Textbook on the history of the national economy of the U.S.S.R. A. P. Pogrebinskii and others. Vest. vys. shkoly 22 no. 5:88-94 My '64.

RUSSIA—HISTORY—SOURCES

Akademiia nauk SSSR. Institut istorii. [The uprising in Moscow in 1662; a collection of documents] Vosstanie 1662 g. v Moskve; sbornik dokumentov. Moskva, Izd-vo "Nauka," 1964. 304 p.

Archival documents as an aid in studies of the history of the U.S.S.R. in schools. G. N. Lokhteva, I. A. Rubin. Ist. SSSR 8 no. 1:233-236 Ja-F '64.

Cadasters of the "Bezhetskaya Pyatina" region as a historical source. Ist. SSSR 8 no. 1:73-80 Ja-F '64.

[Stories of the early Russian chronicles] Rasskazy nachal'noi russkoi letopisi. Moskva, Izd-vo "Detskaia literatura," 1964. 207 p. (Shkol'naia biblioteka)

A useful book. A. I. Gukovskii. Ist. SSSR 8 no. 1:169-171 Ja-F '64.

RUSSIA—HISTORY—STUDY AND TEACHING

The study of Russian history should contribute to the solution of present-day problems. Ist. SSSR 7 no. 2:3-24 Mr-Ap '63.

RUSSIA—INDUSTRIES

Carrying out the third All-Union Public Inspection of the Fulfillment of the Plans of Research Work and the Introduction of the Achievements of Science and Technology in the National Economy. Der. prom. 13 no. 3:28 Mr '64.

Intensification of industrial production. S. Kheinman. Kommunist 41 no. 11:80-88 Jl '64.

RUSSIA—INTELLECTUAL LIFE

Bazanov, V. G. [Erudite republic] Uchenaia respublika. Moskva, Izd-vo "Nauka," 1964. 461 p.

RUSSIA—INVASION OF 1812—MEDICAL AND SANITARY AFFAIRS

Kuz'min, M. K. [Lectures on the history of Russian medicine] Lektsii po istorii russkoi meditsiny. Moskva, Pervyi MOLMI im. I. M. Sechenova.
Lectures 4-5 [Russian medicine in the Patriotic War of 1812] Meditsina Rossii v Otechestvennuiu voinu 1812 goda. 1964. 73 p.

RUSSIA—LITERATURES

Fragments of the religious theme in Soviet literature N. A. Teodorovich Mat i soob Issl otd Inst po izuch. SSSR no 48 116-121 '63.

Moscow Akademiia obshchestvennykh nauk. [The national and international in literature and art] Natsional'noe i internatsional'noe v literature i iskusstve. Moskva, Mysl', 1964. 260 p.

National literatures of the U.S.S.R. A. A. Adamovich. Mat. i soob Issl otd. Inst po izuch. no 48 123-163 '63

Various stages of literature in the U S S. R. A. A. Shteininger Mat i soob Issl. otd Inst po izuch. SSSR no 48 5-18 '63

RUSSIA—LITERATURES—BIBLIOGRAPHY

Startsev, I. I. [Literature of the peoples of the U. S. S. R. translated into Russian; a bibliography, 1955-1959] Khudozhestvennaia literatura narodov SSSR v perevodakh na russkii iazyk; bibliografiia, 1955-1959. Moskva, Izd-vo "Khudozhestvennaia literatura, 1964. 725 p.

RUSSIA—MANUFACTURES

Improve trade in manufactures. S. Trifonov. Sov torg 37 no 5:4-10 My '64

RUSSIA—NAVY

In the land of five hundred islands V. Mitin. Sov. voin 46 no. 13 14-19 Jl '64

Members of the Pacific Fleet. V. Naumenkov Sov. voin 46 no 13 6-12 Jl '64.

On the Red Banner Baltic Fleet. V. V. Mikhailin. Tekh. i vooruzh no 6:16-17 Je '64

Our country's navy. S. Gorshkov. Komm. Vooruzh. Sil 3 no. 13:18-25 Jl '63.

Soviet sailors. V Grishanov. Voen znan 40 no. 6:3-4 Je '64

RUSSIA—NAVY—HISTORY

[Battle history of the Soviet Navy] Boevoi put' Sovetskogo Voenno-Morskogo Flota. Moskva, Voenizdat, 1964. 620 p.

RUSSIA—NAVY—INSPECTION

The irreconcilable ones. L. Chernous'ko. Starsh.-serzh. no. 6:18-19 Je '64.

RUSSIA—NAVY—OFFICERS

Personal example of the officer. E. Kul'nitskii. Tekh. i vooruzh. no. 6:12-15 Je '64

RUSSIA—NAVY—PETTY OFFICERS

Problems which disturb us. IU. IAshikhin. Komm. Vooruzh. Sil 4 no. 10:56-57 My '61.

RUSSIA—NAVY—POLITICAL ACTIVITY

In submerged sailing; a sketch. N. Belous. Komm. Vooruzh. Sil 4 no. 13:43-48 Jl '64.

Sentries of naval frontiers. B. Zakharov. Komm. Vooruzh. Sil 4 no. 13:73-74 Jl '64.

RUSSIA—NAVY—TECHNOLOGICAL INNOVATIONS

The sea, technology and man. V. Protsenko. Sov. voin 46 no. 13:1-2 Jl '64.

RUSSIA—POLITICS AND GOVERNMENT

A. S. Fedoseev's "Democratic centralism as the Leninist organizing principle of the Soviet governmental apparatus." D. A. Kerimov, V. D. Sorokin. Sov. gos. i. pravo 34 no. 5:150-151 My '64.

Chronology of events in the U. S. S. R. IU. P. Mironenko. Mat i soob. Issl. otd. Inst. po izuch. SSSR no. 53/54:100-108 Ja-F '64.

Forty-sixth anniversary of the Great October Socialist Revolution, materials for reports and discussions. Komm. Vooruzh. Sil 4 no. 19:30-38 O '63.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR nos. 23, 29 Je-Jl '64.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 27 nos. 26, 32-34 Je, Ag '64.

In a united family. I. S. Koditsa. Sov. voin 44 no. 24:1-2 D '62.

Nikolaev, V. V. [From a socialist government to communist self-government] Vid sotsialistychnoi derzhavnosti do komunistychnogo samovriaduvannia. Kyiv, Derzhpolitvydav URSR, 1962. 116 p.

Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the R. S. F. S. R., session, June 10-11, 1964. Verbatim report] Zasedaniia Verkhovnogo Soveta RSFSR shestogo sozyva; tret'ia sessiia (10-11 iiunia 1964 g.) Stenograficheskii otchet. [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1964. 215 p.

RUSSIA—RELATIONS (GENERAL) WITH DENMARK

In the land of five hundred islands. V. Mitin. Sov. voin 46 no. 13:14-19 Jl '64.

Our common goal is to keep the peace. G. Pravitenko. Sov. voin 44 no. 21:18-20 D '62.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Stirring meeting. G. Uruzaev. Sov. voin 44 no. 24:20 D '62.

RUSSIA—RELATIONS (GENERAL) WITH HUNGARY

Documents on Russo-- Hungarian contacts in the Hungarian archives. V. V. Ievlev, S. I. Kuz'min. Ist. SSSR 8 no. 1:209-213 Ja-F '64.

RUSSIA—RELATIONS (GENERAL) WITH THE UNITED STATES

Visit of Soviet metrologists to the National Bureau of Standards in the U. S. A. Izm tekh no 4 63 Ap '64

RUSSIA—REVOLUTION, 1917-1921

Ak [illegible] ing, July 3-5, 1962 in Kiev] Rabochii klass i rabochee dvizhenie v Rossii v 1917 g.; materialy Nauchnoi sessii, sostoiavsheisia 3-5 iiulia 1962 g. v Kieve. Moskva, Izd-vo "Nauka," 1964. 358 p.

Chistiakov, O. I. [Building a government system based on nationalities in the R. S. F. S. R. during the Civil War, 1918-1920] Natsional'no-gosudarstvennoe stroitel'stvo v RSFSR v gody grazhdanskoi voiny (1918-1920). [Moskva] Izd-vo MGU, 1964. 90 p.

Korolev, B. I. [The Party was the inspirer and organizer of the victory of the Great October Socialist Revolution, from March to October, 1917] Partiia — vdokhnovitel' i organizator pobedy Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii (mart-oktiabr' 1917 g.) Moskva, Politizdat, 1964. 61 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

League of the Socialist Working Youth of Odessa; June, 1917 - March, 1918. V. I. Skryl'ova. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:39-45 '60.

Petrov, I. F. [Strategy and tactics of the Bolshevik Party in the preparation of the October Revolution, March-October 1917] Strategiia i taktika partii bol'shevikov v podgotovke pobedy Oktiabr'skoi revoliutsii (mart-oktiabr' 1917 g.) 2., perer. i dop. izd. Moskva, Politizdat, 1964. 462 p.

Struggle of the Bolshevik Party under V. I. Lenin's guidance for peace and against the Trotskiists and "left-wing" communists from October, 1917 to March, 1918. I. D. Krasil'nikov. Uch. zap. kaf. ist. KPSS no. 4:116-144 '64.

"We were there when the world changed" [in German]. Reviewed by O. V. Kuznetsova. Ist. SSSR 8 no. 1:203-206 Ja-F '64.

RUSSIA—REVOLUTION, 1917-1921—FOREIGN OPINION

Kopylov, V. R. [Hands off Soviet Russia!] Ruki proch' ot Sovetskoi Rossii! Moskva, Politizdat, 1964. 62 p. (Shkol'naia bibliotechka po noveishei istorii)

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Bonch-Bruevich, M. D. [All-power to the Soviets] Vsia vlast' Sovetam. Moskva, Voenizdat, 1964. 357 p. (Voennye memuary)

Lukin, A. A., and D. Polianovskii. [Cheka man, "Quiet" Odessa; stories about Cheka men] Sotrudnik ChK. "Tikhaia" Odessa; povesti o chekistakh. Moskva, Voen. izd-vo, 1963. 526 p. (Voennye prikliucheniia)
(NIC)

RUSSIA—REVOLUTION OF 1905

Economic bases of the alliance between the working class and peasantry during the First Russian Revolution. S. N. Malkova Trudy MIIGAIK no. 52:67-81 '62.

Publication of the "Revolution of 1905-1907 in Russia; documents and materials." I. F. Ugarov, N. N. IAkovlev. Ist. SSSR 8 no. 1:156-166 Ja-F '64.

RUSSIA—SOCIAL CONDITIONS

Apresian, G. Z., and others. [Problems of historical materialism and scientific communism] Voprosy istoricheskogo materializma i nauchnogo kommunizma. [Moskva] Izd-vo Mosk. univ., 1964. 260 p.

RUSSIA—STATISTICS

[Foreign trade of the U. S. S. R. in 1963; a statistical survey] Vneshniaia torgovlia Soiuza SSR za 1963 god; statisticheskii obzor. Moskva, Vneshtorgizdat, 1964. 263 p.

RUSSIA—STATISTICS—YEARBOOKS

National economy of the U. S. S. R. in 1962. M. V. Ekon. sel'khoz. 36 no. 1:117-121 Ja '64.

RUSSIA, NORTHERN—ARTISTS

Munin, A. N. [The North and artists] Sever i khudozhniki. [Vologda] Vologodskoe knizhnoe izd-vo, 1964. 165 p.

RUSSIA, NORTHERN—BIRDS

[illegible], T. D. [Eider - most precious bird of the North] [illegible] ptitsa Severa. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962 23 p
[MICROFILM]

RUSSIA, NORTHERN—INDUSTRIES

[illegible] of the Soviet North. N. F. Shapalin, [illegible] Zakharov. Izv SO AN SSSR no. 9 Ser. obshchestv nauk [illegible] '63

RUSSIA, NORTHERN—PEAT

Kraev, V. N., G. I. Kuzhman, and A. A. Sokolov [Mining peat fuel in the Far North] Dobycha torfianogo topliva na Krainem Severe. Pod red. S. G. Solopova. Moskva, Gosenergoizdat, 1957 43 p
[MICROFILM]

RUSSIA, NORTHERN—ROOFS

[illegible] M. Kriussarov. [illegible]

RUSSIA, NORTHERN—SEISMIC PROSPECTING—EQUIPMENT AND SUPPLIES

Drilling rig with self-contained drive for seismic prospecting in regions of the Far North. A. G. Kraev. [illegible] no. 13 [illegible] '64

RUSSIA, NORTHERN—TRANSPORTATION

Available resources on the Soviet North. N. F. Shapalin, [illegible] A. Zakharov. Izv SO AN SSSR no. 9 Ser. obshchestv nauk no. 3:82-93 '63

RUSSIA, NORTHWESTERN—FISHERIES—ECONOMIC ASPECTS

Comparative [illegible] efficiency of fisheries in the northwestern areas of the R S F S R. L. S. Nikol'skii. Nauch. [illegible] no 2/3 62-63 '62

RUSSIA, NORTHWESTERN—PALEOECOLOGY—CONGRESSES

Paleoecological session-excursion in 1963. T. N. Bel'skaia. Paleont. zhur. no 2 163-164 '64.

RUSSIA, SOUTHERN—PALEONTOLOGY, STRATIGRAPHIC

Role of migrations in the genesis and development of the Chokrak fauna. K. G. Bagdasarian. Trudy Inst paleobiol AN Gruz SSR 8 97-112 '63

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Kubasov, P. I. [Exercises in vocabulary and style, materials for lessons in and outside the classroom for pupils in grades 5-8] Slovarno-stilisticheskie uprazhneniia, materialy dlia raboty na urokakh i na vneklassnykh zaniatiiakh s uchashchimisia V-VIII klassov. Moskva, Izd-vo "Prosveshchenie," 1964 219 p. (Pedagogicheskaia biblioteka uchitelia)

Zvolinskaia, IU. I. [Russian language teaching materials for grade 4 of the two-teacher school] Didakticheskii material po russkomu iazyku dlia IV klassa dvukhkomplektnoi shkoly Izd. 4 Moskva, Izd-vo "Prosveshchenie," 1964. 175 p.

RUSSIAN LANGUAGE—COMPOUND WORDS

Compound adjectives in the old-Russian written language. E. V. Chechkina. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:71-77 '60.

RUSSIAN LANGUAGE—DICTIONARIES—BULGARIAN

Zauer, N. S., comp. [Russian-Bulgarian technical dictionary] Russko-bolgarskii politekhnicheskii slovar'. Pod red. N. I. Popova. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 471 p.

RUSSIAN LANGUAGE—DICTIONARIES—OIROT

Gorno-Altaysk. Nauchno-issledovatel'skii institut istorii, iazyka i literatury. [Russian-Altai dictionary. Approximately 33,000 words] Russko-altaiskii slovar'. Pod red. N. A. Baskakova. Okolo 33000 slov. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 875 p.

RUSSIAN LANGUAGE—DICTIONARIES—SPANISH

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-Spanish dictionary of terms in descriptive geometry and drawing] Kratkii russko-ispanskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 32 p.

Sordopena, Jesus, and Celestina Marinero, comps. [Russian-Spanish pocket dictionary. 9,000 words] Karmannyi russko-ispanskii slovar'. 9000 slov. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 374 p.

RUSSIAN LANGUAGE—PREPOSITIONS

Syntactic synonymy of phrases with the preposition "po" having a spatial meaning in the Russian language in comparison with Polish and Bulgarian languages. N. V. Kossek. Pratsi Od. un. 150 Zbir. stud. rob. no. 6: 77-84 '60.

RUSSIAN LANGUAGE—STUDY AND TEACHING
(see also subdivision under Czechoslovakia)

Chistiakov, V. M., comp. [For the primary grade teachers of the schools for national minorities; a collection of articles] Uchiteliu nachal'nykh klassov natsional'noi shkoly; sbornik statei. Moskva, Prosveshchenie, 1964. 111 p.

Moscow. Universitet. Kafedra russkogo iazyka dlia inostrantsev. [From experience in the teaching of Russian to foreigners] Iz opyta prepodavaniia russkogo iazyka inostrantsam, sbornik statei. Red. kollegiia: G. A. Bitekhtina i dr. [Moskva] Izd-vo Mosk. univ., 1964. 244 p.

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs for eight-year schools, Russian language and literature] Programmy vos'miletnei shkoly, russkii iazyk i literatura. Moskva, Prosveshchenie, 1964. 74 p

Russian language in the national minority schools. V. Reshetov. Nar. obr no 6 8-12 Je '64.

RUSSIAN LANGUAGE—STYLE

On the language used by Hertzen. M. K. Maksimova. Uch. zap. Ped. inst. Gerts. 237:185-225 '63.

Plenkin, N. A. [Prevention of stylistic mistakes in Russian language classes; a teacher's manual] Preduprezhdenie stilisticheskikh oshibok na urokakh russkogo iazyka, posobie dlia uchitelia. Moskva, Prosveshchenie, 1964. 149 p.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

The affirmative hero in Soviet literature. A. G. Karakatenko Mat i soob Issl otd. Inst po izuch SSSR no. 48 40-50 '63

Bazanov, V. G. [Erudite republic] Uchenaia respublika. *Moskva, Izd-vo "Nauka," 1964. 461 p.*

Brief notes on books. N. F. Isaenko, V. L. Geikhman, V. A. Kovalev. Vest vys shkoly 22 no. 5 94-96 My '64

Influence of A. I. Hertzen on the interpretation of Russian literature in foreign literary criticism. A. L. Grigor'ev. Uch. zap. Ped. inst. Gerts. 237:157-172 '63.

Messer, R. D. [Life in science; literary criticism] Zhizn' v nauke; literaturno-kriticheskie ocherki. Moskva, Sovetskii pisatel', 1964. 334 p.

Reflections on a book. G. Il'in. Sov. voin 46 no. 11:15 *Je '64.*

Soviet literature and Soviet reality. L. D. Rzhevskii. Mat i soob Issl otd Inst po izuch. SSSR no. 48 19-39 '63

Soviet war fiction. N. IA Galai. Mat i soob. Issl. otd. Inst po izuch SSSR no 48 89-96 '63

Spiritual opposition in Soviet society. IU. V. Dikov Mat i soob Issl. otd. Inst po izuch. SSSR no 48 51-71 '63

RUSSIAN LITERATURE—PERIODICALS

"Novyi mir" in 1964; from the editors. Nov. mir 39 no. 10:265-268 O '63.

RUSSIAN LITERATURE—STUDY AND TEACHING

New textbook on literary geography. P. Lebedev. Nar. obr. no. 6 115-116 Je '64.

Students illustrate the classics. G. Ivanova. Nar obr. no 7:48-50 Jl '64

RUSSIAN NEWSPAPERS

The London "Kolokol" and the Archangel "Kolokol'chik." G. G. Frumenkov. Uch. zap. Ped. inst. Gerts. 237: 227-243 '63.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. st. nos. 28-29 '64.

RUSSIAN PLATFORM—ALGAE, FOSSIL

Carboniferous Beresellеae of the Russian Platform. E. L. Kulik. Paleont. zhur. no. 2:99-114 '64.

RUSSIAN PLATFORM—GEOLOGY

Early stages of the formation of the northwestern wing of the Moscow syneclise. N. S. Igolkina. Trudy VSEGEI 91.91-99 '63.

Some problems of the geology and geochemistry of the basement of the Russian Platform. M. M. Tolstikhina. Trudy VSEGEI 91:5-31 '63.

RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

Lower boundary of the Cambrian of the Russian Platform based on the distribution of trace elements in ancient sedimentary rocks. M. M. Tolstikhina, V. V. Khokhlov. Trudy VSEGEI 91:101-108 '63.

RUSSIAN PLATFORM—MOLLUSKS, FOSSIL

Find of Oxytoma danica (Ravn) in the Russian Platform. N. P. Paramanova Paleont. zhur. no. 1:134-136 '64.

RUSSIAN PLATFORM—ROCKS—ANALYSIS

Some problems of the geology and geochemistry of the basement of the Russian Platform. M. M. Tolstikhina. Trudy VSEGEI 91:5-31 '63.

RUSSIAN PLATFORM—ROCKS, SEDIMENTARY—ANALYSIS

Characteristics of the distribution of some chemical elements in the ancient coarse sedimentary rocks of the Russian Platform. M. M. Tolstikhina, V. V. Khokhlov. Trudy VSEGEI 91:85-90 '63.

RUSSIAN POETRY—HISTORY AND CRITICISM

The human element in Soviet lyric poetry. I. N. Bushman Mat i soob Issl. otd. Inst po izuch SSSR no. 48:72-79 '63

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

[illegible] vistskaia organizatsiia; dokumenty i materialy. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1962. 202 p.
(MH)

Zaichikov, G. I. [The struggle of the Bolsheviks against militarism and the imperialist war in 1907-1914] Bor'ba bol'shevikov protiv militarizma i imperialisticheskoi voiny v 1907-1914 gg. Moskva, Vysshaia shkola, 1964. 102 p. (Studentu, izuchaiushchemu istoriiu KPSS)

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Sixtieth anniversary of the Second Congress of the Russian Social Democratic Party. D. Kukin. [illegible] Vooruzh. Sil 3 no. 13:9-17 Jl '63.

RUSSIAN STUDIES see subdivision under Germany, West

RUSSIAN STUDIES—BIBLIOGRAPHY see Bibliography—Russian studies

RUSSIANS see subdivision under France

RUSSO-TURKISH WARS

[Struggle for the national liberation of Bulgaria during the Russo-Turkish War, 1877-1878] Bor'ba za natsional'noe osvobozhdenie Bolgarii v period Russko-turetskoi voiny, 1877-1878. Pod red. S. A. Nikitina. Moskva, Izd-vo "Nauka," 1964. 644 p. (Osvobozhdenie Bolgarii ot turetskogo iga, no. 2)
(MH)

RUSTS (FUNGI)

Effect of the physiological active substance of Ustilago zeae (Beckm.) Unger on higher plants. M. N. [illegible], A. D. Volodarskii. Izv. TSKhA no. 5:7-19 '63.

RUTHENIA see Transcarpathia

RUTIN

Chemical analysis of the bedstraw Galium ruthenicum. Report No. 2 M. I. Borysov, IU. H. Borysiuk. [illegible] tsev. zhur. 18 no. 4 75-78 '63

RYAZAN PROVINCE—MUNICIPAL SERVICES—COMPETITIONS

Winners in the competition. Zhil.-kom. khoz. 13 no. 9 3 S '63.

RYBINSK RESERVOIR—SOLAR RADIATION

Solar radiation of the Rybinsk Reservoir. T. A. Zaitseva. Sbor. rab. Mosk. gidromet. obser. no. 2 123-132 '63.

RYL'S'KYI, MAKSYM, 1895-

Hymn to work and beauty. I. M. Zhukovs'kyi. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:47-53 '60.

RYTOV, MIKHAIL VASIL'EVICH, 1846-1920

Direktorenko, M. A. [Materialistic content of M. V. Rytov's agrobiological views] Materialisticheskoe soderzhanie agrobiologicheskikh vzgliadov M. V. Rytova. Minsk, Izd-vo "Urozhai," 1964. 209 p.

SACHSENHAUSEN (CONCENTRATION CAMP)

Deviataev, M. P. [Flight from hell] Pobeg iz ada. Saransk, Mordovskoe knizhnoe izd-vo, 1963. 134 p.

SAFETY EDUCATION, INDUSTRIAL

On a sound theoretical basis. N. D. Zolotnitskii. Vest. vys. shkoly 22 no. 5:42-45 My '64.

When the matter is approached with the attitude of responsibility. N. I. Smol'nikov. Vest. vys. shkoly 22 no. 5.46-49 My '64.

SAFRONOV, VLADIMIR, 1935-

Second birth of a champion. L. Sokolov. Sov. voin 44 no. 24:32-33 D '62.

SAIGA

Book on the saiga. V. I. TSalkin. Biul. MOIP. Otd. biol. 67 no. 6:118-120 N-D '62.

Morphological and functional characteristics of the locomotorium in saiga and goitered gazelle. I. I. Sokolov, E. A. Klebanova, A. S. Sokolov. Trudy Zool. inst. 33:319-348 '64

SAILORS (NAVY)

Watch at dawn. B. Volokhov. Sov. voin 46 no. 11:16-17 *Je '64.*

SAKHALIN—COAL MINES AND MINING

Using a two-stage distribution of blastholes on stripping benches of the Krasnogorsk open pit coal mine. I. P. Sumin and others. Ugol' 39 no. 6:30-32 Je '64

SAKHALIN PROVINCE see Sakhalin

SAKSAUL see subdivision under Kazakhstan

SALICYLIC ACID

Dielectric constant and dielectric losses of o-hydroxybenzoic acid derivatives in the liquid state. A. V. Komandin, L. I. Sizov, B. D. Shmit. Zhur. fiz. khim. 37 no. 4:764-769 Ap '63.

SALINE WATERS—DEMINERALIZATION

Desalinization of sea water S V. Vladimirov. Priroda 53 no 7 83 '64.

SALINITY see subdivision under Indian Ocean

SALINITY—PHYSIOLOGICAL EFFECT

Effect of salinity on the development of the spawn and larvae of carp in the Tiligul'skiy Liman. N.P. Honcharova. Pratsi Od.un. 150 Zbir.stud.rob. no.6;141-146 '50.

SALINOMETER

Kalachev, B.A., and E.P. Gusenkov. [Method of determining soil salinity with Markovskii's salinometer and suggested simplifications of the standard method] Metod opredeleniia zasolennosti pochvo-gruntov pri pomoshchi solemera Markovskogo i predlagaemye uproshcheniia standartnoi metodiki. Moskva, Giprovodkhoz, 1963. 17 p.

[MICROFILM]

SALIVARY GLANDS

Correlation of lacrimal and salivary secretions during the development of conditioned reflexes from different receptor zones I A. Lapina Zhur vys. nerv deiat 13 no. 6 1047-1051 N-D '63.

SALMON

Vertical migrations and vertical distribution of salmon in the sea. I. B. Birman. Dokl. AN SSSR 156 no. 2; 444-447 My '64.

SALMONELLA

Specific O-antigens in spontaneously agglutinable Salmonella. N.N. Zinin-Bermes. Lab. delo no.6 357-359 '64.

SALMONELLA—CULTURES AND CULTURE MEDIA

Chemical composition of the paratyphoid A bacillus and the yellow cultures isolated together with it. T.O. Halkina, M. O. IElshyna Mikrobiol zhur. 25 no. 6 3-6 '63.

SALOL

Transitions from stable to metastable states. Part 2. A.N. Kirgintsev, L.N. Efanov. Zhur. fiz. khim. 38 no. 3;745-747 Mr '64.

SAL'SK (ROSTOV PROVINCE)—FEED MILLS

Enrichment of mixed feeds with antibiotics and vitamins at the Sal'sk Mixed Feed Plant. N. Chudakovskii. Muk.-elev. prom. 30 no. 2;6 F '64.

SALT

Desorption of chlorine from a saturated solution of sodium chloride. I. P. Mukhlenov, A. F. Tubolkin, E. S Tumarkina. Zhur. prikl. khim. 37 no. 5;960-964 My '64.

SALT—PHYSIOLOGICAL EFFECT

Influence of novocaine and hexonium on the pressor effect of intraarterial administration of a hypertonic sodium chloride solution. T.I. Henesina. Pratsi Od.un. 150 Zbir.stud.rob. no.6;151-153 '60.

SALT DOMES see subdivision under Caspian Sea region

SALT FISH see Fish, Salt

SALT MINES AND MINING see subdivision under Artemovsk region

SALTING-OUT

Solubility of gypsum in aqueous solutions of salting-out agents. K. T. Dudnikova, O. IA. Samoilov. Radiokhimiia 5 no. 6;683-686 '63.

SALTS

Changes in volume and heat capacities in aqueous salt solutions. Part 3. IU.A. Epikhin, M.S. Stakhanova, M.Kh. Karapet'iants. Zhur. fiz. khim. 38 no. 3;692-696 Mr '64.

Use of chemical substances to weaken the strength of an ice cover. I.N. Shatalina, F.A. Spetsov. Trudy LIVT no. 46;59-65 '63.

SALTS—PHYSIOLOGICAL EFFECT

Resistance of Paramecium caudatum previously adapted to different temperatures to the injurious action of salts. I. S. Irlina. Sbor. rab. Inst. tsit. no. 3:92-101 '63.

SALVAGE

Decisions of the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 86. Mor. pravo i prak. no. 19;71-73 '63.

SAL'YAN STEPPE—SOILS, SALTS IN

Change in the salinity of soils of the Sal'yan Steppe under the influence of irrigation and drainage. IU. G. Sultanov. Dokl. AN Azerb. SSR 19 no. 6;59-62 '63.

SAMARIUM ISOTOPES

Interaction cross section of neutrons with Sm^{140} and In^{115} nuclei. R. B. Begzhanov and others. Atom. energ. 16 no. 6.523-524 Je '64.

SAMARKAND PROVINCE—SOILS—MANGANESE CONTENT

Distribution of manganese and its forms in the soils and waters of the Samarkand Oasis. A. M. IAkubov, N. N. Vel'gorskaia. Pochvovedenie no. 6;49-53 Je '64.

SAMARKAND PROVINCE—WATER—COMPOSITION

Bibliography Pochvovedenie no. 6:96-102 Je '64.

Distribution of manganese and its forms in the soils and waters of the Samarkand Oasis. A M IAkubov, N N Vel'gorskaia Pochvovedenie no 6;49-53 Je '64

SAMGORA REGION—BACTERIA, PHOSPHORUS

Local strains of bacteria decomposing organophosphorus compounds M P Zhgenti Soob AN Gruz SSR 31 no 3 683-686 S '63

SANATORIUMS see subdivision under Yalangach (Tashkent Province)

SAND

(see also subdivision under Dnieper Valley)

Care of pine plantations in sands N. L Berhkhol'ts. Nauk pratsi Nyzhn'odnipr nauk -dosl sta. po zalis pisk i vyn. na pisk. no. 9 13-31 '61

Wave motion of a sand mass. K. P. Meskheli. Trudy Inst. energ. AN Gruz. SSR 17;95-103 '63.

SAND, FOUNDRY

Improving the fluidity of water glass mixtures. I.V. Ryzhkov, I.S. Sychev. Mashinostroenie no.1;49-51 Ja-F '64.

SAND, FOUNDRY—TESTING

Device for rapid determination of the gas penetrability of molding mixtures I I. Gorodnev Mashinostroitel' no. 5;28 My '64

SAND FLIES see subdivision under Turkmenistan

SAND-LIME PRODUCTS

Designing silicalcite structures Biul. stroi. tekh. 21 no. 1.24-27 Ja '64

SANDBLAST

Sandblast forming line with sliding equipment. V.S. Tarasenko. Mashinostroenie no.1;55-57 Ja-F '64.

SANDSTONE see subdivision under Georgia

SANITARY ENGINEERING

Goriacheva, I.A., and M.M. Sapozhnikov. [Use of plastics in sanitary engineering] Primenenie plastmass v sanitarnoi tekhnike. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Materialy kratkosrochnogo seminara "Effektivnye stroitel'nye materialy i primenenie ikh v konstruktsiiakh")

SAP

Effect of plant juice on the tobacco mosaic virus. M. I. Gol'din, E. G. Budagian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:75-82 S '63.

SAPONIFICATION

Potentiometric method for determining the saponification number in used and recovered oils. A. I. Barkan, G. K. Ziller. Khim. i tekh. topl. i masel 7 no. 10:62-66 O '62.

SARATOV PROVINCE—SPRAYING AND DUSTING EQUIPMENT

Universal machine. M. M. Pronina, P.I. Viazovoi. Zashch. rast. ot vred. i bol. 9 no. 6:6-7 '64.

SARATOV PROVINCE—SUSLIKS

Hybridization of the species belonging to the genus Citellus Oken. V. P. Denisov. Zool. zhur. 42 no. 12:1887-1889 '63.

SARATOV PROVINCE—TANKS

Building tanks with pontoon roofs in the bulk plants of the Saratov Administration. V. G. Zaitsev. Transp. i khran. nefti i nefteprod. no. 4.34-35 '64.

SARDINES

Borkunov, V. M. [Equipment for the thermal processing of intermediate products in the preparation of sardines] Oborudovanie dlia termicheskoi obrabotki polufabrikatov pri proizvodstve sardin. Moskva, Rybnoe khoziaistvo, 1963. 56 p. (Mekhanizatsiia i avtomatizatsiia ryboobrabatyvaiushchei promyshlennosti)

SARGASSO SEA—OCEAN CURRENTS

Geostrophic currents in the northwestern part of the Sargasso Sea and the Gulf Stream area adjacent to it. L. M. Martsinkevich. Trudy Mor. gidrofiz. inst. AN URSR 29;43-53 '64.

SARGASSO SEA—OCEANOGRAPHY

Hydrologic conditions of the Sargasso Sea and the Gulf Stream area adjacent to it. A. E. Gamutilov, IU. V. Istoshin. Trudy Mor. gidrofiz. inst. AN URSR 29;29-42 '64.

SARMATIANS

Smirnov, K. F. [The Sarmatians; early history and culture] Savromaty; ranniaia istoriia i kul'tura sarmatov. Moskva, Izd-vo "Nauka," 1964. 376 p.

SARY-ISHIKOTRAU—MITES

Fauna of gamasid mites (Parasitiformes, Gamasoidea) in the sands of Sary-Ishikotrau. I. V. Morozova, V. A. Bibikova, Z. P. Kaluzhenova. Zool. zhur. 42 no. 12: 1872-1876 '63.

SARYAGACH (KAZAKHSTAN)—BATHS, MEDICINAL

Functional state of the adrenal cortex in chronic rheumatic and rheumatoid polyarthritis and its change as a result of health resort treatment with Saryagach mineral baths and baths combined with small doses of prednisone. Report No.2 I.A Kalenistova. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2;65-70 '64.

Functional state of the adrenal cortex in patients with chronic polyarthritis and its changes in the process of treatment with Saryagach mineral baths and baths combined with the use of prednisone. Report No. 1. I. A Kalenistova Izv. AN Kazakh SSR. Ser. med. nauk no. 1;59-65 '61

SATELLITES, ARTIFICIAL see Artificial satellites

SATIRE

Soviet theory of satire and humor IU. A Pis'mennyi Mat i soob Issl otd Inst po Izuch SSSR no. 48 80-88 '63

SATIRE—BIBLIOGRAPHY see Bibliography—Satire

SATSKHENISI OIL FIELD—HYDROCARBONS

Monocyclic aromatic hydrocarbons of Satskhenisi crudes. E P. Khechinashvili, Kh. I. Areshidze. Soob. AN Gruz. SSR 34 no. 1:73-78 Ap '64.

SAUR RANGE—LARCH

Structure of larch stands in the Saur Range as related to the type of forest vegetation conditions I. T Popov Vest. sel'khoz nauki (Kazakh) 7 no 6 104-110 Je '64

SAUSAGES

Dzhumabaev, N. D., and N. A. Pirogovskii. [Universal automated continuous production line for the manufacture of sausage products] Universal'naia potochno-avtomatizirovannaia liniia proizvodstva kolbasnykh izdelii. Tashkent, Gosizdat UzSSR, 1962. 33 p. (Za tekhnicheskii progress)

[MICROFILM]

Maliutin, P. I., A. P. Borisov, and L. A. Koliubiakina. [Complete mechanization of the production of sausages] Kompleksnaia mekhanizatsiia kolbasnogo proizvodstva. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 31 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

SAVING AND THRIFT see subdivision under Lithuania

SAVINGS BANKS

(see also subdivision under Alekseyevka, Lyubinskiy District; Alma-Ata; Kiev Province; Kirovograd Province; Nikolayev Province; Shar'ya, Kostroma Province)

Ilinich, A. IA., and G. S. Tkachenko. [Savings business] Sberegatel'noe delo. Moskva, Izd-vo "Finansy," 1964. 402 p.

Planning in savings banks. A. Gnutov. Den. i kred. 22 no. 7;44-46 Jl '64

SAWFLIES—EXTERMINATION see subdivision under Krasnodar Territory

SAYAT'-NOVA, 1712-1795

Sayat-Nova; on the 250th anniversary of his birth. L. Arutiunov. Nov. mir 39 no. 10;228-236 O '63.

SCABIES

Use of a hand fire machine with the atomizer of the M-600 motor pump for controlling scabies in swine. M T Koniaev, M V Nasonova Zap. Vor sel'khoz. inst

SCHIFF BASES

[illegible] metals in the [illegible] Me [illegible] P. A. [illegible] 1711-1717 My [illegible]

[illegible] from complex compounds of metals [illegible] and others. Zhur. [illegible] 1334 Je '62

SCHIZOPHRENIA

[illegible] [Problems of schizophrenia and [illegible] physiological [illegible] from [illegible] Pod red. L. L. [illegible] Meditsina, 1964 209 p.

[illegible]

[illegible] conditions of a [illegible] Zhur. nevr. i psikh [illegible]

[illegible] between the inhibitory process and hypoxia [illegible] A. L. [illegible]ruliidze, N. I. Bostogarashvili. Soob. AN Gruz. SSR 31 no. 1 157-164 Jl '63.

[illegible] Con- [illegible] A. S. Chistovich [illegible] 1111-1115 [illegible] '63

[illegible] differences in pathology [illegible] 13 no. [illegible]

[illegible] review of recent foreign [illegible] and others [illegible] 63 no. 7 1102-1107 '63

[illegible] of the initial stages of [illegible] of the preschool age. L. IA. [illegible] 63 no. 7 1030-1035

[illegible] in children and adolescents [illegible] Report No. 2. [illegible] 63 no. 7 1032- [illegible]

[illegible] adaptation of patients [illegible] childhood or adoles- [illegible] Zhur. nevr. i [illegible] 1041-1044 '63

SCHIZOPHRENICS—REHABILITATION

[illegible] adaptation of patients [illegible] in their childhood or adoles- [illegible] V. M. Bashina. Zhur. nevr. i [illegible] 1041-1045 '63.

SCHLUSSELBURG PRISON

Figner, V. N. [Toil embossed in memory; reminiscences in two volumes] Zapechatlennyi trud, vospominaniia v dvukh tomakh. Moskva, Izd-vo "Mysl'," 1964. 2 v.

SCHOOL DISCIPLINE

[illegible] Pakomarin and others. Nar [illegible] Je '64

SCHOOL EXCURSIONS
(see subdivision under Voronezh region)

Organizing [illegible] excursions to industry. P. A. Atanov. [illegible] 43-44 My '64

SCHOOL HYGIENE

Luchina, K. L., comp. [Collection of the most important official materials on the hygiene of children and adolescents] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigieny detei i podrostkov. Moskva, Meditsina, 1964 378 p

SCHOOL LIBRARIES

[An aid for children's and school libraries in 1964, a collection of methodological and bibliographical materials] V pomoshch' detskim i shkol'nym bibliotekam 1964 god; sbornik metodicheskikh i bibliograficheskikh materialov Moskva, Izd-vo "Kniga," 1964. 64 p.

SCHOOLHOUSES

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Construction of an experimental large-panel school building; work experience of the Central Scientific Research Institute of the Experimental Planning of Housing Construction of the Academy of the Construction and Architecture of the U.S.S.R.; the Construction Bureau of the Reinforced Concrete of the Glavmosoblstroimaterialov, and the "Mosoblstroi-1" Trust] Stroitel'stvo eksperimental'nogo zdaniia shkoly iz krupnykh panelei, opyt TsNIIEP zhilishcha AsiA SSSR, KB po zhelezobetonu Glavmosoblstroimaterialov i tresta "Mosoblstroi-1." Moskva, Gosstroiizdat, 1963. 22 p.
[MICROFILM]

SCIATIC NERVE

Functional changes of a nerve under the influence of amobarbital sodium. E. A. Guseva. Nerv. sist no 3: 90-94 '62.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—JUVENILE LITERATURE

Invitation to the future I Borisov. Nar. obr. no. 7:105-107 Jl '64

SCIENCE—METHODOLOGY

Molodtsov, V. S., and A. IA. Il'in, eds. [Methodological problems in contemporary science] Metodologicheskie problemy sovremennoi nauki, sbornik statei. [Moskva] Izd-vo Mosk. univ., 1964. 243 p.

SCIENCE—PHILOSOPHY

Kaunas. Medicinos institutas. [Nature, man and spirit] Apie gamta, zmogu ir dvasia. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 208 p. [In Lithuanian]

Moscow. Institut povysheniia kvalifikatsii prepodavatelei obshchestvennykh nauk. Kafedra dialekticheskogo i istoricheskogo materializma. [Dialectical materialism and present-day natural science, materials of the All-Russian Seminar of Lecturers in Social Sciences on philosophy problems of present-day natural science] Dialekticheskii materializm i sovremennoe estestvoznanie, sbornik materialov Vserossiiskogo seminara prepodavatelei obshchestvennykh nauk po filosofskim voprosam sovremennogo estestvoznaniia. [Moskva] Izd-vo Mosk. univ, 1964. 403 p.

SCIENCE—STUDY AND TEACHING see subdivision under Czechoslovakia

SCIENCE AND COMMUNISM see Communism and science

SCIENCE AND RELIGION see Religion and science

SCIENCE FICTION

Science fiction in the U.S.S R N E Men'chukov Mat i soob Isal otd Inst po izuch SSSR no 48 97-115 '63

SCIENTIFIC LIBRARIES

Studying the effectiveness of the reference and bibliographical system of the State Science and Technology Library of the U.S.S R V. B. Petrovskii. Sov. bibl. no. 3:41-47 '64.

SCIENTIFIC SOCIETIES see subdivision under Czechoslovakia

SCIENTISTS

Shkol'nik, G. A. [Naturalists and our fellow countrymen, biographical sketches of outstanding Russian scientists] Nashi zemliaki-estestvoispytateli, biograficheskie ocherki o vydaiushchikhsia deiateliakh otechestvennoi nauki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 171 p.

SCIURIDAE

Microscopic structure of the compact matter of long bones of the extremities in some representatives of the family Sciuridae K A. Klebanova Trudy Zool. inst 33 256-282 '64

Structure of muscles of the hind extremities in representatives of the family Sciuridae. A S. Sokolov. Trudy Zool inst 33,283-318 '64

SCRAP METALS

[Tons of nonferrous metals have been found; articles on the saving of nonferrous metals] Naideny tonny tsvetnykh metallov. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 75 p. (Rezervy proizvodstva — v deistvie)
[MICROFILM]

SCREW CUTTING

Attachment for cutting screw thread with an equivariable and variable pitch. V. D. Oreshkin. Vest. mashinostr. 44 no. 2:67-68 F '64.

Optimum inclination angle of a cutter head in milling screw threads with disk cutters. E. S. Viksman. Vest. mashinostr. 44 no. 2:55-57 F '64.

SCREW-CUTTING MACHINES

Trapezoidal thread rolling with a threading die on screw-cutting lathes. I. V. Savin. Mash. i neft. obor. no. 1: 39-41 '64.

SCREW-THREAD ROLLING

Axial gripping forces resulting from the operation of screw-thread rolling tools. T. A. Sultanov. Stan i instr. 35 no. 5:36 My '64.

SCREWDRIVERS

Screwdriver with ratchet gearing. A. N. Altyntsev. Mashinostroitel' no. 5:27 My '64

SCRUBBER (CHEMICAL TECHNOLOGY)

Testing a diesel-powered bulldozer with a catalytic exhaust scrubber. R. M Popovichenko, S K Kozbakanov Vest. AN Kazakh SSR 19 no 6:33-39 Je '63

SEA ICE see subdivision under Atlantic Ocean ; Barents Sea

SEA LILIES, FOSSIL see subdivision under Kolva Valley (Perm Province)

SEALING (TECHNOLOGY)

Sealing annular gaps in tanks with metal pontoons roofs. M. E. Shvarts. Transp. i khran nefti no. 3:12-16 '63.

SEALING (TECHNOLOGY)—TESTING

Device for measuring gas leakage through seals. N. M. Ivanov. Khim. mashinostr. no. 1:37 Ja '63

SEALS (ANIMALS) see subdivision under Baikal, Lake

SEARCH AND RESCUE OPERATIONS see subdivision under Black Sea

SEAWATER

Effect of sodium nitrite on the corrosion of low-carbon steel at varying rates of its motion in seawater. [illegible] Shcherbakov. Zhur. fiz. khim 36 no 6:1360-1[illegible] Je '62.

SEAWATER—COMPOSITION see subdivision under Greenland Sea; Norwegian Sea

SEAWATER—DENSITY see subdivision under Pacific Ocean

SEAWEED

Radioactive isotopes and algae. G V. Barinov [illegible] 53 no 7 82-83 '64.

SEBACIC ACID

Synthesis of dinitriles of azelaic and sebacic acids. [illegible] IAkushkin, V. P. Bochkova. Khim. prom. no. [illegible] Ap '64.

SECONDARY EDUCATION see Education, Secondary

SECONDARY ELECTRON EMISSION

Effect of a quantizing magnetic field on secondary electron emission. Sh. M. Kogan, V. B. Sandomirskii. Radiotekh i elektron 9 no 4 724-727 Ap '64

Energy distribution of the secondary electrons of the fourth period. I M. Bronshtein, IA M [illegible] Radiotekh. i elektron 9 no. 5 901-906 My '64

Secondary electron emission of copper and some [illegible] D. B. Diatroptov. Elektron. bol'sh. moshch [illegible] 156 '63.

SECONDARY RECOVERY OF OIL

Experimental investigation of the physical properties of emulsion oils. S. A. Abdurashitov, V. G. Avanesian. Izv. vys. ucheb. zav.; neft' i gaz 7 no. 1:77-[illegible] '64.

SECTS

Problem of Christian sectarianism in the U. S. S. R. [illegible] Teodorovich. Mat i soob. Isal. otd. Inst po izuch [illegible] no 53/54 60-61 Ja-F '64

SEDATIVES

Biological evaluation of sedatives and stimulants. [illegible] Zirakadze, M. G. Moistsrapishvili. Soob. AN Gruz. [illegible] 33 no. 1:219-224 Ja '64.

Functional state of the vegetative nervous system in premedication with neuroplegic mixtures for local anesthesia. A. A. Gadzhiev, G. A. Tagiev Azerb. [illegible] zhur. 40 no. 10:10-15 O '63.

SEDGES see subdivision under Caucasus

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEDIMENTS (GEOLOGY) see subdivision under Transbaikalia

SEED PELLETS

Histogenesis of the spermoderm in Brasenia schreberi Gmel. and Nymphaea capensis Thunb. A. P. Melikian. Vest. LGU 19 no. 9:121-125 '64.

SEED PRODUCTION
(see also subdivision under Ukraine)

Maslennikov, I. P., and M. V. Orekhovskaia. [Controlling the pests and diseases of vegetable seed plants] Bor'ba s vrediteliami i bolezniami semennikov ovoshchnykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 70 p.
(DNAL)

Variability of some vegetative organs and fruiting of the Siberian pine in the Central Urals N. A Luganskii Trudy Inst. biol UFAN SSSR no 31,43-57 '63.

SEEDS—ANATOMY

Possibilities for using the characters of the spermoderm structure for the taxonomy of Nymphaeaceae. A. P. Melikian. Izv. AN Arm. SSR. Biol. nauki 17 no 1:73-79 Ja '64.

SEEDS—DISINFECTION

New disinfectant of corn seeds. L. P. Roktanen. Trudy TSel. sel'khoz.inst. 1:127-130 '63.

SEEDS—DRYING

Drying pulse crop seeds by the method of mechanical ventilation with heated air. S. V. Novoselov. Izv. TSKHA no. 6:66-73 '63.

SEEDS—GRADING see subdivision under Kazakhstan

SEEDS, EFFECT OF GAMMA RAYS ON

Cytological and embryological characteristics of cotton grown from gamma irradiated seeds. Z. P. Pashchenko, D. Saidalieva, V. M. Nam. Uzb biol. zhur. 7 no. 1: 78-81 '63.

Study of remote radiation aftereffects in some species of the genus Nicotiana following gamma irradiation of seeds. A. M. Kuzin, E. K. Uzorin, V. I. Chirkovskii. Radiobiologiia 3 no. 6:903-908 '63.

SEEPAGE

Method for determining seepage on the level of ground waters on the basis of the observation of the moisture and temperature conditions of rocks in the aeration zone. V.I.Lial'ko. [Pratsi] Inst.geol.nauk AN URSR. Ser.hidrogeol.i inzh.geol. no.9;27-40 '63.

SEISMIC PROSPECTING

(see also subdivision under Dnieper-Donets Lowland, Kama-Kinel' Depression; Kuybyshev Province; Pechora Valley; Timan Ridge, Volgograd Province; Zeya-Bureya Plain)

Certain results of a study of successive arrivals in reverse microseismic logging. B.V.Shal'nov, I.IA. Troianskaia. Geofiz.razv. no 15,40-44 '64

Distinguishing and studying repeated shocks in marine seismic prospecting using the controlled directional sensitivity method. I.D.Akhundov. Razved.i prom. geofiz. no.49;59-64 '63.

Plotting reflected boundaries from a profile laid not exactly transverse to the rock course. E.A.Kozlov. Geofiz.razv. no.15;45-51 '64.

Processing the refractive hodographs of first arriving waves in observations by the reflection method. A.F Sokolov. Razved.i prom.geofiz. no.49;32-38 '63.

SEISMIC PROSPECTING—EQUIPMENT AND SUPPLIES

see subdivision under Russia, Northern

SEISMIC WAVES

(see also subdivision under Afghanistan)

Amplitudes of glancing waves on the surface of a well V.G.Gratsinskii Izv AN SSSR Ser geofiz no 6 819-838 Je '64

Graphic analysis method for determining the velocity law from hodographs of forward waves. S A.Nazarnyi Razved.i prom.geofiz. no.49;39-50 '63.

Possible decrease of the period of a longitudinal wave with greater depth of the seismic center. S.L.Solov'ev, A N Pustovitenko Izv AN SSSR.Ser geofiz no 6 839-846 Je '64

Studying crustal faults on the basis of macroseismic data. Sh.S.Ragimov. Izv.AN SSSR.Ser.geofiz. no 7: 1052-1057 Jl '64.

Studying seismic waves reflected from under a strata with increased wave-propagation velocity using two-dimensional models. I.I.Gurvich, P.G.Gil'bershtein. Geofiz.razv. no.16;3-19 '64.

Wave disturbances emanating from steeply dipping interfaces. V.V.Korlagin, A.F.Sokolov. Razved i prom geofiz. no.49;12-19 '63.

SEISMIC WAVES—INDUSTRIAL APPLICATIONS

Studying by the method of seismic acoustics the effect of the protective mining of overlying and underlying coal seams. E.I.Gaiko, V.S.Ivanov. Ugol' 39 no.6;62-65 Je '64.

SEISMIC WAVES—SPEED

Variation in seismic wave velocities in the hypocentral aftershock zone. K.V Pshennikov. Izv AN SSSR Ser geofiz. no.6 894-898 Je '64.

SEISMOLOGY

Seismic ground pressure. F.M Shikhiev, V.M.Isai. Trudy Otd energ.Dag.fil.AN SSSR 1 no 1:3-12 '62.

SEISMOLOGY—CONGRESSES

Session of the Council on Seismology of the Academy of Sciences of the U.S.S.R. in Moscow. Izv.AN SSSR, Ser.geofiz. no.7:1067-1071 Jl '64.

SELENATES—THERMODYNAMICS

Approximate estimate of the standard entropies of crystalline selenates. Zhur.fiz.khim. 37 no.4: 850-855 Ap '63.

SELENIC ACID

Formation of higher selenopolythionic acids under the interaction of selenotrithionate with selenic acid. V.Zelionkaite, J.Janickis, D.Kudarauskiene. Trudy AN Lit.SSR.Ser.B no.1:103-116 '64.

SELENITES—THERMODYNAMICS

Physicochemical properties of selenites. Part 1. N.M.Selivanova, Z.L.Leshchinskaia, T.V.Klushina. Zhur.fiz.khim. 36 no.6:1349-1352 Je '62.

SELENIUM

Electrolysis of selenium solutions in concentrated sulfuric acid. E.Pacauskas, J.Janickis, G.Buinevicione. Trudy AN Lit.SSR.Ser.B no.1:87-95 '64.

Polarographic determination of selenium dissolved in concentrated sulfuric acid. E.Pacauskas, J.Janickis, G.Buinevicione. Trudy AN Lit.SSR.Ser.B no.1:97-101 '64.

SELENOPHENE

Chemistry of selenophene. Part 51: Sulfonation of selenophene and 2-methylselenophene. IU.K.IUr'ev, N.K.Sadovaia. Zhur.ob.khim. 34 no.6:1803-1807 Je '64.

SELENOTHIONATES

Formation of hi [illegible] under the interaction of [illegible] V.Zelionkaite [illegible] AN Lit.SSR.Ser.B [illegible]

Some reactions of higher selenopolythionates. Selenopolythionates of dichlorodiethylenediaminecobalt. V.Zelionkaite, J.Janickis, D.Kudarauskiene. Trudy AN Lit.SSR.Ser.B no.1 117-126 '64.

SELF-CULTURE

Zakladnaia, V.M., and O.P.TSelikova. [Self-education] O samovospitanii. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. II Seriia· Filosofiia, no.12)

SELF-GOVERNMENT (IN EDUCATION)

Seminar on the self-government of students Nar.obr no.7 125 Jl '64

SELF-SERVICE STORES see subdivision under Leningrad

SELIAKOV, ROSTISLAV

Rostislav remains in the brigade. A Kal'tia. Sov.voin 46 no.12:31 Je '64

SEMEN—MICROBIOLOGY

Medicolegal expertise regarding seminal stains, a preliminary report I A Polishchuk, N N Strelets Sud -med ekspert 7 no 2 32-33 Ap-Je '64

SEMEN—PRESERVATION

Effect of preserved sperm and the frequency of artificial insemination on the fertilizability and fertility of brood sows V A Akatov and others Zap Vor sel'khoz inst 17 no 2:115-119 '62

SEMICARBAZIDE—TOXICOLOGY

The effect of semicarbazide poisoning on the content of γ-aminobutyric acid in brain tissues. N.F Shatunova, I.A.Sytinskii. Nerv.sist. no 3:12-16 '62.

SEMICONDUCTORS

Anisotropy of the microhardness of some semiconducting compounds. T.I.Lange, D.V.Gitsu, V.N.Lange. Izv.AN SSSR.Ser.fiz. 28 no.6 1080-1084 Je '64.

Calculation of the volt—ampere characteristic of a point metal-semiconductor contact taking into account an oxide film. V I Strikha. Radiotekh.i elektron 9 no.4:681-687 Ap '64.

Effect of thermal treatment and some coatings on the velocity of Si and Ge surface recombination. V N Bondarenko and others Radiotekh i elektron 9 no 5 876-881 My '64

Electric, thermal, and elastic properties of some semiconducting compounds of the type $A^{I}_{2}B^{IV}C^{VI}_{3}$. L.I.Berger, N.A.Bul'enkov. Izv.AN SSSR.Ser.fiz. 28 no.6:1100-1102 Je '64.

Electronic time relay on semiconductor instruments with delay for wearing-in and release. N.I.Karasev. Nauch.trudy KNIUI no.11:240-242 '62.

Heating of garment pressing systems by means of ferrosilicon semiconductor plates. A.I.Eterman, E.IA.Leibman, S.IA.Leibman. Nauch.-issl.trudy TSNIIShveiproma no 11 85-107 '62.

Interrelation between the width of the forbidden zone and Gibbs' energy of nonmetallic solids. K.A. Sharifov, A.S.Abbasov. Dokl.AN SSSR 157 no.2. 430-432 Jl '64.

Nature of the chemical bond in semiconducting compounds $A^{III}B^{V}$. IA.A.Ugai, E.P.Domashevskaia. Dokl.AN SSSR 156 no.2:430-433 My '64.

Silicon rectifiers for enterprises of the refractories industry. P.A Sofronov and others Ogneupory 29 no.5:201-205 '64.

Temperature dependence of the effective electron mass in $A^{III}B^{V}$ type semiconductors. IU.I.Ukhanov, IU.V. Mal'tsev. Izv.AN SSSR.Ser.fiz. 28 no.6:989-992 Je '64.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Measurement of short lifetimes of current carriers in semiconductor devices using the pulse method. A.I. Il'ienkov, IU.O.Tkhoryk. Ukr.fiz.zhur. 9 no.2:139-140 F '64.

Physicochemical and electric properties of certain ternary semiconducting compounds of the type $A^{II}B^{IV}C^{V}_{2}$. A.A.Vaipolin and others. Izv.AN SSSR. Ser.fiz. 28 no.6,1085-1089 Je '64.

Theory of nonstationary conductivity of semiconductors of small mobility. M I.Klinger Dokl AN SSSR 157 no.3;566-569 Jl '64

SEMICONDUCTORS—GALVANOMAGNETIC PROPERTIES

Self-recording device for measuring galvanomagnetic and thermomagnetic effects in semiconductors as a function of the temperature and magnetic field [with summary in English]. M.P.Havalenshko. Ukr.fiz.zhur. 9 no.2;150-159 F '64.

SEMICONDUCTORS—MAGNETIC PROPERTIES

Magnetic susceptibility of certain $A^{III}B^{V}$ type semiconducting compounds as shown by X-ray diffraction analysis data. M.M.Aliakhnovich. Vestsi AN BSSR.Ser. fiz.-tekh.nav. no.1;35-43 '64.

SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Theory of photoconductivity in thin semiconducting films. E.I.Adirovich. Dokl.AN SSSR 157 no 2;313-316 Jl '64.

SEMIPALATINSK PROVINCE—INDUSTRIES

Developing the industry of a province. M.Karpenko Nar.khoz Kazakh. 22 no 3 18-21 Mr '64

SENILE PSYCHOSIS

Clinical and electroencephalographic studies on aged patients with cyclic depression F A Leibovich, N.G Shumskii. Zhur nevr i psikh 64 no 5 746-754 '64

SENSE ORGANS

Functional state of some analysors in relation to sex and age. E A.Khairushev. Izv AN Kazakh SSR.Ser med nauk no 1,31-36 '64

SENSE ORGANS—AMPHIBIA

Morphology of the neuromuscular apparatus of the extrinsic muscles of the eye in fish and amphibia V.M.Starshinova. Trudy SMI 15:58-68 '62.

SENSE ORGANS—FISHES

Morphology of the neuromuscular apparatus of the extrinsic muscles of the eye in fish and amphibia V.M.Starshinova Trudy SMI 15:58-68 '62

SENSES AND SENSATION

Discretometry of human analysors P O Makarov Nerv.sist. no.3:125-134 '62.

SENSITOMETRY, PHOTOGRAPHIC see Photographic sensitometry

SENSORY DEPRIVATION

Changes in higher nervous activity and some autonomic reactions in a long stay in conditions of relative adynamia and isolation N A Agadzhanian and others Zhur vys nerv deiat 13 no 6 953-962 N-D '63

Nature of sensory disorders in lesions of the autonomic nervous system I I Shogam. Zhur nevr i psikh 64 no 5.701-706 '64

SEPARATION (TECHNOLOGY)

Theory of the industrial separation of metals by exchange recovery P.I.Bobikov, I.N.Plaksin. Izv.AN SSSR.Met.i gor.delo no 3:107-115 My-Je '64

SEPARATORS (MACHINES)

Assovskii, I.V. [Using direct flow hydraulic classifiers at enterprises of the Glavlenstroimaterialy system] Ob opyte primeneniia priamotochnykh gidroklassifikatorov na predpriiatiiakh sistemy Glavlenstroimaterialy. Leningrad, 1964. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Stroitel'noe proizvodstvo)

Design of cyclone-type separators. A.M.Kutepov. Khim prom. no.4 295-298 Ap '64

Effect of yeast content of the starting suspension on the operative efficiency of the yeast separator. Z.B Kristall. Khleb.i kond.prom. 6 no.7:12-15 Jl '62.

Highly efficient hydrocyclone. I.M.Aspis and others. Ugol' Ukr. 8 no.5,45-46 My '64.

Kristall, Z.B. [Modern yeast separators] Sovremennye drozhzhevye separatory. Moskva, TSentr. in-t nauchno-tekhn.informatsii po avtomatizatsii i mashinostroeniiu, 1963. 41 p. (III Seriia: Novye mashiny, oborudovanie i sredstva avtomatizatsii, no.70)
[MICROFILM]

Silant'ev, V.A. [Hydrocyclones for cleaning woodpulp] Gidrotsiklony dlia ochistki massy. Moskva, TSentr. in-t tekhn.informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobratabyvaiushchei promyshl., 1963. 20 p. (Bumaga i tselliuloza)
[MICROFILM]

SEPTICEMIA

Autovaccines in the treatment of septic conditions in children. A D Khristich, T.B Gorgiev. Vest khir. 91 no.10,96-99 O '63

SEQUENCES (MATHEMATICS)

Mapping of L-sequences of n-dimensional projective space onto a stationary hypersurface. V. V. Gol'dberg. Sib. mat. zhur. 5 no 1;39-53 Ja-F '64.

SERFDOM

(see also subdivision under Kabardino-Balkar A.S.S.R.)

Shchepetov, K.N. [From the life of serfs in 18th-19th century Russia; based on the materials of the Sheremet'ev estates] Iz zhizni krepostnykh krest'ian Rossii XVIII-XIX vekov; po materialam Sheremetevskikh votchin. Moskva, Uchpedgiz, 1963. 100 p.

SERIES

Deviation of analytic functions from the mean arithmetic quotients of sums of Faber's series. B.L.Dintsen. Dokl.AN SSSR 157 no 2,250-253 Jl '64.

Whipple's theorem V.A Dzhrbashian. Zhur.vych.mat. i mat.fiz. 4 no.2;348-351 Mr-Ap '64.

SERINE

Seryl phosphates and pyrophosphates. Part 1: Synthesis of P P -di(benzyl ester of N-carbobenzoxyseryl)-P P -dibenzylpyrophosphate and P P-di(methylamide of N-benzoylseryl)-P P -dibenzylpyrophosphate. S.M. Avaeva, M.M.Botvinik, I.F.Syromiatnikova. Zhur. ob.khim. 34 no.6:1749-1754 Je '64.

[illegible] Part 2: Behavior [illegible] carbethoxyacetyl)-phenyl [illegible] organic solvents. S. M. [illegible] 34 no. 6:1754-1757 '64.

SEROLOGY

[illegible] no. 6:352 '64.

[illegible] the humoral link in [illegible] Vasil'ev. Trudy TomNIIVS 14:274-2[illegible] '63.

SEROTONIN

[illegible]

SERPENTINITES

[illegible] of serpentinites. D.S. [illegible] AN SSSR 156 no. 2 [illegible]

Production of magnesium nitrate by treating serpentinite with nitrous vapors. V. M. Fakabadze, Z. B. Nikolaishvili, [illegible] Soob. AN Gruz SSR 31 no. 2:[illegible] Ag '63.

SERPENTS see subdivision under Balkhash Lake region

SERUM

[illegible] in the purification [illegible] serums. E. I. [illegible] Irk. NIIEM no. 6:50-57 '61.

[illegible] specific stimulants in the [illegible] Report [illegible] Trudy Irk. NIIEM no. 6:34-40 '61.

[illegible] as a method of selecting horses [illegible] serums. A. P. Panfilova, [illegible] Trudy Irk. NIIEM no. 6: [illegible]

Development of an expedient method of preparing immune serum against the virus of lymphocytic choriomeningitis. M. P. Zagromova. Trudy TomNIIVS 14:258-261 '63

Development of an expedient scheme of immunizing animals producing serum against tick-borne encephalitis. Report No. 2: Effectiveness of the utilization of horses in relation to age, sex and breed. IU. V. Fedorov. Trudy TomNIIVS 14:235-237 '63

Development of an expedient system of immunizing animals producing serum against tick-borne encephalitis. Report No. 1: Importance of the fractional method of administering the brain antigen in the increase of virus neutralizing antibodies in refractory horses. IU. V. Fedorov. Trudy TomNIIVS 14:232-234 '63

Fractional composition of antiencephalitic horse serum. M. N. Nemirovich-Danchenko, A. I. Murzina. Trudy TomNIIVS 14:242-244 '63.

Fractional composition of proteins and losses of antitoxin in the purification and concentration of antidiphtheria serum. I. G. Galushko, E. I. Ivanova, E. N. Pozdnova. Trudy Irk. NIIEM no. 6:98-104 '61.

Further observations of the purification and concentration of antiencephalitic serum by the "Diaferm 3" method. S. P. Karpov and others. Trudy TomNIIVS 14:227-231 '63.

Immunization of horses with a biostimulant, author's abstract. N. D. Petrova, E. N. Pozdnova. Trudy Irk. NIIEM no. 6:105-106 '61.

Production of concentrated and dry antiperfringens type B, C, and D serums. P. S. Dotsenko. Trudy Irk. NIIEM no. 6:7-10 '61.

Purification and concentration of antiencephalitic serum by the "Diaferm 3" method. S. M. Preger. Trudy TomNIIVS 14:224-226 '63

Selection of horses for serum production, author's abstract. E. N. Pozdnova, N. D. Petrova. Trudy Irk. NIIEM no. 6:33-34 '61.

Study of the complement activity of blood serum in rabbits with Brown-Pearce carcinoma. IU. N. Fat'kin. Trudy Inst. klin. i eksp. khir. AN Kazakh SSR 8:136-139 '62.

Utilization of horses as producers of antitoxic and antidiphtheriax serum, author's abstract. E. N. Pozdnova. Trudy Irk. NIIEM no. 6:81-82 '61.

SERUM DIAGNOSIS

Determination of Rh-agglutinogen C^w in the blood of Moscow donors. L. K. Arzhelas, E. S. Lutcheva. Sud.-med. ekspert. 7 no. 2:30-31 Ap-Je '64

Possibility of the use of antiperfringens type A, B, C and D serums for diagnostic purposes. P. S. Dotsenko. Trudy Irk. NIIEM no. 6:11-22 '61.

Ring serum test and its practical importance in the diagnosis of brucellosis. V. T. Kotov, L. S. German, B. T. Artemov. Zap. Vor. sel'khoz. inst. 17 no. 2:15-19 '62

Serum diagnosis and therapy for the acute period of tick-borne encephalitis. A. M. TSeitshchev, F. S. Belova. Trudy TomNIIVS 14:35-41 '63.

SERUM THERAPY

Serum diagnosis and therapy for the acute period of tick-borne encephalitis. A. M. TSeitshchev, F. S. Belova. Trudy TomNIIVS 14:35-41 '63

Treatment of enterocolitis in children with dry plasma and a furocilin solution. N. B. Musaev. Azerb. med. zhur. 40 no. 10:43-45 O '63

SERVICE INDUSTRIES see subdivision under Moscow

SERVICE INDUSTRIES—FINANCE

Ways to increase the profitability of service industry enterprises. S. Khelfets. Fin. SSSR 38 no. 7:22-26 Jl '64.

SERVICE STATIONS—EQUIPMENT AND SUPPLIES

Berezkin, V. I., and K. A. Krasnov. [Equipment for garages and service stations] Oborudovanie dlia garazhei i stantsii obsluzhivaniia avtomobilei. Izd. 2., perer. i dop. Moskva, Transport, 1964. 462 p.

SERVOMECHANISMS

Schematic of a system for converting an angle of rotation into impulses sensitive to the direction of the rotation. L. I. Voronova, IU. V. Krementulo. Avtomatyka 9 no. 3:54-67 '64.

SETTE-DABAN RANGE—GASTROPODA, FOSSIL

Carboniferous gastropods in the Sette-Daban Range (southern Verkhoyansk Range). V. A. Vostokova. Uch. zap. NIIGA no. 1:79-111 '63

SEVAN, LAKE—EVAPORATION

Determining the evaporation from the surface of Lake Sevan by the heat balance method. A. M. Mkhitarian. Dokl. AN Arm. SSR 36 no. 5:281-287 '63

SEVAN, LAKE—PLANKTON

Role of biological processes in the contemporary oxygen balance in Lake Sevan. M. E. Gambarian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:7-16 S '63.

SEVAN, LAKE—WATER—OXYGEN CONTENT

Role of biological processes in the contemporary oxygen balance in Lake Sevan. M. E. Gambarian. Izv. AN Arm. SSR. Biol. nauki 16 no. 9:7-16 S '63.

SEVASTOPOL—SIEGE, 1942

Borisov, B. A. [Notes of a secretary of a city committee] Zapiski sekretaria gorkoma. Moskva, Politizdat, 1964. 303 p.

SEVERNAYA DVINA see Northern Dvina River

SEVIARDZENKA, VASIL' PIATROVICH, 1904-

Vasil' Piatrovich Seviardzenka; on his 60th birthday. K. V. Gorau, IA. R. Kanavalau. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:135-136 '64

SEWAGE—PURIFICATION see subdivision under Tambov

SEWARD, ALBERT CHARLES, 1863-1941

Albert Charles Seward (1863-1941). Henry Potonié (1813-1963). S. V. Meien. Paleont. zhur. no. 1:146-148 '64.

SEWER PIPE

Calculation of shaft drops in a sewer system. V. N. Kozin. Trudy GISI no. 40:53-60 '61.

Nomograph to calculate the depth of the fountain in drop wells in round pipes. A. S. Meierov. Trudy GISI no. 40:67-71 '61.

SEWERAGE

(see also subdivision under Bashkiria)

Vertical accuracy of laying sewerage collector pipes. L. I. Dokukin. Izv. vys. ucheb. zav.; geod. i aerof. no. 6:45-53 '63.

SEWERAGE—TABLES, CALCULATIONS, ETC.

Fedorov, N. F. [New research and hydraulic calculations for sewerage systems] Novye issledovaniia i gidravlicheskie raschety kanalizatsionnykh setei. Izd. 2., perer. i dop. Leningrad, Stroiizdat, 1964. 320 p.

SEWING MACHINES

Deformations of the fabric during stitching on bobbin sewing machines. I. V. Safronova. Nauch.-issl. trudy TSNIIShveiproma no. 11:54-64 '62.

Dependence of thread tension on the curvature of the contour. V. P. Polukhin, K. S. Zak, V. M. Nikiforov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:83-88 '63.

SEX (BIOLOGY)

Mechanism of the photoperiodic regulation of the endogenous rhythm of sexual cycles in birds. V. R. Dol'nik. Zool. zhur. 43 no. 5:720-734 '64.

SEX—CAUSE AND DETERMINATION

Correlation between the degree of the maturity of spermatozoa and the sex of the progeny. V. Sh. Kamalian. Izv. AN Arm. SSR. Biol. nauki 16 no. 2:83-86 F '63.

SEX HORMONES see Hormones, Sex

SEX RESEARCH

Data for the study on Klinefelter's syndrome. A. M. Ponomarenko. Vest. AMN SSSR 18 no. 12:26-29 '63.

SHAFT SINKING

(see also subdivision under Krivoy Rog Basin; Kuznetsk Basin)

Basic engineering requirements for boring machinery for driving upraises in medium-hard and hard [illegible] V. P. Kudriashov. Sbor. nauch. trud. KGRI no. 21:[illegible]-107 '63

Calculated loads on the reinforcement of mine shafts. M. I. Slobodkin. Shakht. stroi. 7 no. 3:11-17 [illegible]

Construction of a watertight barrier in a shaft by the underwater concreting method. V. L. Alekseev, [illegible] Polovov, A. S. Shchukin. Shakht. stroi. 8 no. 5:[illegible] My '64.

Economic efficiency of deepening shafts by several levels. A. S. Es'kov. Shakht. stroi. 8 no. 5:[illegible] My '64.

Lowering aerodynamic resistance in mine shafts. [illegible] Bevz. Sbor. nauch. trud. KGRI no. 21:105-110 '63

Maximum rate for the deepening of vertical shafts. A. S. Es'kov. Shakht. stroi. 7 no. 3:13-14 Mr '63

Reinforcing the inclined axial plane of an inclined [illegible] shaft. V. S. Chichkan. Sbor. nauch. trud. KGRI no. 21:[illegible]-172 '63

Selection of the optimal pitch for sinking shafts. [illegible] Nagibin. Shakht. stroi. 8 no. 4:9-12 Ap '64

Synthetic resin for decreasing the inrush of water [illegible] shaft sinking. V. V. Davydov, V. V. Ko[illegible], [illegible] Mitrakov. Shakht. stroi. 8 no. 4:12-15 Ap '64

Taking apart a protective pillar during the deepening of a vertical shaft. G. M. Alekseenko. Shakht. stroi. [illegible] no. 4:27-28 Ap '64

Twentieth anniversary of the operation of the "[illegible]petsstroi" Trust. A. Z. Litvin. Shakht. stroi. 7 no. 3:3-6 Mr '63.

Waterproofing mine shafts in operation by means of cementation. V. V. Pass. Shakht. stroi. 7 no. 3:[illegible]-18 Mr '63

SHAFT SINKING—EQUIPMENT AND SUPPLIES

New "Svet-2" lamp for lighting mine shafts. D. I. [illegible]rovskii, N. L. Sheviakov. Shakht. stroi. 7 no. 11:[illegible] N '63.

SHAFT SINKING—LABOR PRODUCTIVITY see subdivision under Czechoslovakia

SHAFTING

Burgvits, A. G., and G. A. Zav'ialov. [Stability of shaft motion in fluid friction bearings] Ustoichivost' dvizheniia valov v podshipnikakh zhidkostnogo treniia. Moskva, Izd-vo "Mashinostroenie," 1964. 146 p.

SHAIMORDANOV, AZKII SHAIMORDANOVICH

Prize named for a frontline sergeant. V. Khotenkov. Starsh.-serzh. no. 6:18-19 Je '64.

SHAKESPEARE, WILLIAM, 1564-1616

Anikst, A. A. [The work of Shakespeare] Tvorchestvo Shekspira. Moskva, Goslitizdat, 1963. 615 p. (MIII)

SHAR'YA (KOSTROMA PROVINCE)—SAVINGS BANKS

In the communist labor collective. IA. Aksent'ev. Den. i kred. 22 no. 7:51-55 Jl '64.

SHASTRI, LAL BAHADUR, 1904-

Lal Bahadur Shastri. Nov. vrem. 21 no. 25:11 Je '64

SHEBELINKA GAS FIELD—CEMENT

Reservoir properties of rocks in the Kartamyshevo series of the Shebelinka gas field in connection with the composition and types of their cements. O. V. Zaritskaia, I. A. Mukharinskaia. Neftegaz. geol. i geofiz. no. 4:20-26 '63.

SHEBELINKA GAS FIELD—GAS, NATURAL—GEOLOGY

Geological conditions governing the manner of the occurrence of gas in the Shebelinka gas field. B. S. Vorob'ev, E. A. Pochueva. Gaz. prom. 7 no. 4:1-8 '62.

Improvement of the reservoir properties of rocks resulting from their interaction with hydrocarbons. E. E. Voronoi. Neftegaz. geol. i geofiz. no. 4:29-31 '63.

SHEEP

(see also subdivision under Australia; Kazakhstan; Siberia, Western)

Nikolaev, A. I. [New ways of sheep raising] Novye puti razvitiia ovtsevodstva. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 13)

Stimulating heat in sheep out of season. A. M. Amarbaev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:60-63 F '64

SHEEP—DISEASES AND PESTS

Histogenesis of pulmonary adenomatosis in sheep. V. M. [illegible] 46-51 '63.

[illegible] B. S. Moskalev [illegible] '62.

SHEEP—FEEDING AND FEEDS

Effect of the intensity of the use of Festuca sulcata and Stipa dominant pastures on the weight gain in sheep. F. Kh. Tikhomirov, S. Abdraimov. Vest. sel'khoz. nauki [Kazakh.] 7 no. 6:43-46 Je '64

SHEEP—PHYSIOLOGY

Effect of cobalt-copper feed supplements on some physiological functions of the organism and on the intestinal cestodiasis of sheep B M. Shonov, E. S. Tasbulatov. Vest. sel'khoz. nauki [Kazakh] 7 no. 2·83-89 F '64

SHEEP BREEDING see subdivision under Basargechar District; Latvia

SHEEP HOUSES AND EQUIPMENT

New pen types for early winter and winter lambing V I Eismont. Sbor nauch rab Sib nauch -issl inst sel'-khoz. no 6 109-112 '61

SHEET METAL

Beniakovskii, M. A., and others. [Quality of sheet surfaces] Kachestvo poverkhnosti listov. Moskva, Izd-vo "Metallurgiia," 1964. 53 p.

SHEET-METAL WORK

Automatic manufacture of oil-removing piston rings from a steel strip. P. M. Kellerman Mashinostroitel' no. 4 8-10 Ap '64

Kozlov, A. E., and others. [Manufacture of diaphragms and bellows from beryllium bronze] Izgotovlenie memgran i sil'fonov iz berillievoi bronzy. Leningrad, 1964. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia. Goriachaia i kholodnaia obrabotka metallov davleniem, no. 2)

SHELEST, ALLA

L'vov-Anokhin, B. A. Alla Shelest. Moskva, Iskusstvo, 1964. 98 p. Illus.

SHELL MOLDING (FOUNDING)

Eliminating the warping of shell molds. I A Chernyshov, V D Romanchikov. Izv vys ucheb. zav., mashinostr no. 1 153-108 '64.

Surface roughness of castings obtained in shell molding. M. I. Vorob'ev, M. G. Anuchina, L. IA. IAnovskaia. Izv. vys. ucheb. zav., mashinostr. no 1 169-173 '64

SHELL ROOFS see Roofs, Shell

SHELLS (ENGINEERING)

Vlasov, V. Z. [Selected works] Izbrannye trudy. Moskva, Izd-vo "Nauka."
Vol. 3. [Thin-walled three-dimensional systems] Tonkostennye prostranstvennye sistemy. 1964. 471 p.

SHEMAKHA DISTRICT—PETROLOGY

Lithology of the Upper Pontian sediments of Shemakha District. M. G. Nabiev. Dokl. AN Azerb. SSR 20 no. 3:55-60 '64.

SHEMAKHA REGION (AZERBAIJAN)—GAS, NATURAL—GEOLOGY

Tectonics of the Shemakha oil and gas bearing region. A. S. Abasov, F. A. Shirinov, A. M. Zeinalov. Azerb. neft. khoz. 43 no. 1.4-7 Ja '64.

SHEMAKHA REGION (AZERBAIJAN)—PETROLEUM GEOLOGY

Tectonics of the Shemakha oil and gas bearing region. A. S. Abasov, F. A. Shirinov, A. M. Zeinalov. Azerb. neft. kkoz. 43 no. 1:4-7 Ja '64.

SHENGELIIA, PAVEL GEORGIEVICH, 1900-

P. G. Shengeliia; on his 60th birthday. Trudy Inst. energ. AN Gruz. SSR 17:3-8 '63.

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

Atheistic poetry of "the bard" is our ideological weapon. M. I. Doroshenko, I. M. Protsenko. Rad shk. 43 no. 5: 21-28 My '64.

The great Ukrainian thinker. I. Golovakha Komm Ukr. 39 no. 1:72-81 Ja '64.

Kobylets'kyi, IU. S. [Shevchenko and Franko] Shevchenko i Franko. Kyiv, Derzhlitvydav Ukrainy, 1964. 124 p.

Krasyts'kyi, D. F. [Shevchenko question and answer game] Shevchenkivs'ka viktoryna. Kyiv, Vyd-vo "Molod'," 1964. 109 p.

Naukova Shevchenkivs'ka konferentsiia. 10th 1961. [Papers of the 10th Shevchenko Conference] Zbirnyk prats'. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 369 p.

Nazarenko, I. D. [Sociopolitical, philosophical, aesthetic, and atheistic views of T. H. Shevchenko] Suspil'no-politychni, filosofs'ki, estetychni ta ateistychni pohliady T. H. Shevchenka. Vyd. 2., dopovnene. Kyiv, Derzhlitvydav Ukrainy, 1964. 396 p.

"T. H. Shevchenko and Russian revolutionary democrats" by E. S. Shabliovskii., V. A. Dyiakov. Ist. SSSR 7 no. 2: 168-170 Mr-Ap '63.

T. H. Shevchenko's philosophy and our times. M. I. Novikov. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 2:70-76 '64.

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—BIBLIOGRAPHY see Bibliography—Shevchenko, Taras Hryhorovych, 1814-1861

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—HOMES AND HAUNTS

Places associated with the memory of the great bard. Sil'. bud. 13 no. 3:11 Mr '63.

SHIELD BUGS see Eurygasters

SHIELDING (RADIATION)

Neutron passage through carbon and an iron - carbon mixture. V. K. Daruga and others Atom. energ. 17 no. 1:60-63 Jl '64

SHIGELLA

Effect of levomycetin on the inoculation of dysentery cultures. F K Cherkes and others Lab delo no. 6 354-356 '64.

Some remarks about the articles by A. K. Shevchenko, G. A. Stychinskii and coauthors. A. B. Chernomordik. Lab delo no. 6 352-354 '64.

SHIPBUILDING

Brodskii, A. D., V. K. Kuz'menko, and V. I. Solov'ev. [Modern physical and technical methods in shipbuilding] Sovremennye fiziko-tekhnicheskie metody v sudostroenii. Leningrad, Izd-vo "Sudostroenie," 1964. 188 p.

SHIPPING

Discrimination in the international merchant marine. R. Guberman. Vnesh. torg 44 no 5 32-35 '64

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 7 Jl '64.

SHIPS

[Bulletin of additions and amendments to the regulations and instructions of the Register of River Shipping] Biul Rech. reg. RSFSR no. 6 '62.

SHIPWORMS see subdivision under Azov, Sea of; Black Sea, Gelendzhik Bay

SHKAPOVO OIL FIELD—EMULSIONS

Investigating the viscosity of emulsions of reservoir D_1 of the Shkapovo field. IA. M. Kagan, V. Kh. Latypov. Neft. khoz. 42 no. 3·32-35 Mr '64.

SHKAPOVO OIL FIELD—PETROLEUM GEOLOGY

Oil potential of the carbonate interlayers of the producing (terrigenous) Devonian formation of the Shkapovo oil field. M. G. Ovanesov. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1.7-10 '64.

SHMAL'GAUZEN, IVAN IVANOVICH, 1884-1963

Ivan Ivanovich Shmal'gauzen; an obituary. K. A IUdin. Trudy Zool inst 33.349-352 '64

SHOCK

Changes in the functional state of some sections of the central nervous system in anaphylactic shock in rats. I. S Gushchin. Pat. fiziol i eksp terap. 7 no 6 10-16 N-D '63.

Mechanism of the origin of a pleuropulmonary shock in intrathoracic surgery. N. I. Volod'ko, L. E. Pal'gova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1;25-30 '64.

Oxygen regimen of the liver in severe traumatic shock. S. A. Seleznev. Biul. eksp. biol. i med. 56 no. 8:46-50 Ag '63.

SHOCK ABSORBERS

Installation of spring shock absorbers in cam mechanisms. E. E. Peisakh, L. S. Sheino. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:109-113 '63.

SHOCK WAVES

Bodies with minimum wave resistance in an inhomogeneous oncoming gas flow. A. V. Shipilin. Prikl. mat. i mekh. 28 no. 3.543-547 My-Je '64.

Calculation of an equilibrium dissociating gas flow behind a frontal shock wave past blunt-edged bodies. O. M. Belotserkovskii, M. M. Golomazov, N. P. Shulishnina. Zhur. vych. mat. i mat. fiz. 4 no. 2;306-316 Mr-Ap '64.

Explosion waves in a brittle medium. Kh. M. Aliev. Dokl. AN Azerb. SSR 19 no. 6;11-15 '63.

Propagation of compressive-shearing perturbations in a nonlinearly elastic medium. V. S. Antsiferov, Kh. A Rakhmatulin. Prikl. mat. i mekh. 28 no. 3;572-578 My-Je '64

Reflection of a spherical shock wave in water from a free surface. B. I. Zaslavskii. PMTF no. 6;50-58 N-D '63.

Shock waves forming in a viscous gas flow past thin profiles. V. V. Anisimov, R. V. Khokhlov. Prikl. mat. i mekh. 28 no. 3;557-563 My-Je 64.

Shock waves in spatial flows with a degenerated hodograph. A. F. Sidorov. Prikl. mat. i mekh. 28 no. 3· 464-473 My-Je '64.

Some data on the nonequilibrium state of carbon dioxide behind the shock wave front. R. I. Soloukhin. PMTF no. 6;138-140 N-D '63.

Structure of a curvilinear shock wave. A. I. Tolstykh. Prikl. mat. i mekh. 28 no. 3;553-556 My-Je 64.

Use of the diffraction [illegible] '64.

SHOCK TUBES

Raleigh - Taylor instability in a conical plasma accelerator. R. Kh. Kurtmullaev, IU. E. Nesterikhin, A. G. Ponomarenko. PMTF no. 6;144-146 N-D '63.

Some characteristics of the burning of an electric arc in a d-c plasmatron. V. IA. Smoliakov. PMTF no. 6; 148-153 N-D '63.

Some data on the nonequilibrium state of carbon dioxide behind the shock wave front. R I. Soloukhin PMTF no. 6;138-140 N-D '63

SHOE MACHINERY

Methods for measuring the specific pressure on the shoe insole in the hollow of the gluing press. V. P. Skvarik, L V. TSenova Izv. vys. ucheb. zav., tekh leg. prom. no. 6;127-131 '63.

Rolls for heel polishing. A. M. Shul'ga, V. M. Romanchenko. Leh. prom. no. 2;57 Ap-Je '64.

Scientific and technological conference on the new type of shoe machinery V. P. Skvarnik. Leh prom no. 2,81 Ap-Je '64.

SHOE MANUFACTURE

Calculating the correlation in combined designs for shoe uppers. B L. Elen. Izv. vys. ucheb. zav., tekh. leg. prom no. 6;62-69 '63.

Creation of comfortable conditions for the foot in airtight footwear. IU. P. Zybin, E. Volkova. Izv. vys. ucheb zav.; tekh. leg. prom no. 6;76-82 '63.

Deformation of materials in the volumetric forming of shoe upper parts. B. D. Breev, L. B. Kedrov, G. K. Sledkov. Izv. vys. ucheb. zav , tekh. leg. prom. no 6, 70-77 '63.

Determining the height of the shoe upper heel part in designing low shoes and pumps. G. L. Golovina, V. L. Rajackas, IU P. Zybin. Izv. vys. ucheb. zav., tekh leg. prom. no. 6;57-61 '63

Murvanidze, D. S., ed. [Handbook for shoe industry workers] Spravochnik obuvshchika. Moskva, Izd-vo "Legkaia industriia,"
Vol. 2. 1964. 511 p.

SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

Andriasov, M. A. [In Sholokhov's land; sketches] Na sholokhovskoi zemle; ocherki. Moskva, Izd-vo "Pravda," 1964. 46 p. (Biblioteka "Ogonek," no. 22)

SHOOTING

(see also subdivision under Leningrad)

Careful, deer! L Gusevskii. Voen znan 40 no 6·35-36 Je '64

SHOOTING—COMPETITIONS

For our periodical's prize. V. Malinkin Voen znan 40 no 6 36 Je '64

SHOPPING CENTERS see subdivision under Germany, East

SHOREBIRDS see subdivision under Khasan District

SHORTWAVE RADIO see Radio, Shortwave

SHOSTAKOVICH, DMITRII DMITRIEVICH, 1906-

Khentova, S. M. [Shostakovich, the pianist] Shostakovich — pianist. Leningrad, Muzyka, 1964. 89 p.

SHOULDER—SURGERY

Elongation of a short shoulder stump. A. N. Keier. Ortop., travm. i protez. 24 no. 12;53-55 D '63.

SHTEIN, ALEKSANDR PETROVICH, 1906-

Guests of Arctic seamen. Vl. Matveev. Sov. voin 46 no. 13 13 Jl '64.

SHTURMANOV, ALEKSANDR IAKOVLEVICH

They were decorated in 1962. N. Belous, V. Kiselev. Sov. voin 44 no. 24;3-4 D '62.

SIALIC ACIDS

Role of the sialic acid test in the diagnosis of rheumatism in mental patients. T. IA. Balaba, A. R. Stelmatskii. Zhur. nevr. i psikh. 64 no. 5.755-759 '64.

Serous mucoid and sialic acids in the blood in different laboratory animals. T. Kh. Aitbaev. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2;32-34 '64.

SIBELIUS, JEAN, 1865-1957

Vachnadze, M. A. [Jean Sibelius] IAn Sibelius. Moskva, Sovetskii kompozitor, 1963. 79 p.

SIBERIA—AFFORESTATION

Fall scarifying of interrows of forest tree seedlings. O. S. Trofimova. Sbor nauch. rab. Sib. nauch. -issl. inst. sel'. khoz. no 6·127-130 '61.

SIBERIA—ALGAE, FOSSIL

The new generic name Jacutiella Korde, nom. nov. K. V. Korde. Paleont. zhur. no. 2;162 '64.

SIBERIA—BOTANICAL RESEARCH

Preface. Trudy TSSBS no. 6;5-6 '63.

SIBERIA—CAPITALISM

Scientific conference on problems in the history of capitalism in Siberia (1861-1917). V. F. Borzunov. Izv. Sib. otd. AN SSSR no. 6;117-119 '62.

SIBERIA—COST AND STANDARD OF LIVING
Method[illegible] problems in the analysis of regional [illegible] the population's standard of living. [illegible] Izv SO AN SSSR no 9 Ser obshchestv nauk no [illegible]-44 '63

SIBERIA—DESCRIPTION AND TRAVEL
[illegible] [photo album] Nasha Rodina Sibir', [illegible] Moskva, Izd-vo [illegible], 1964. 234 p. [illegible]

SIBERIA—DRAGONFLIES
[illegible] "A guide to the dragon- [illegible] phrases." [illegible] 43 no. 5 [illegible]-727 '64

SIBERIA—EXILES
[illegible] Kommunisticheskaia partiia Sovetskogo Soiuza. Tiumenskii [illegible] Partiinyi arkhivnyi otdel. [Participants of the Polish rebellion of 1863-1864 in Tobol'sk exile] Uchastniki pol'skogo vosstaniia 1863-1864 gg. v Tobol'skoi ssylke. Tiumen', [Tiumen'skoe knizhnoe izd-vo] 1962. 74 p.
(MH)

SIBERIA—FIELD MICE
[illegible] Microtus arvalis Pall. and Microtus [illegible] in central Siberia. G. A. [illegible] 43 no 5:733-735 '64.

SIBERIA—GEOGRAPHICAL RESEARCH
[illegible] Conference of Young Geographers of Siberia. A. P. [illegible] Izv. Sib. otd. AN SSSR no 8:115-116 '62.

SIBERIA—GEOGRAPHY—CONGRESSES
Problems concerning the geography of the eastern [illegible] of the U.S.S.R.; results of the Second Conference of the Geographers of Siberia and the Far East. V. V. [illegible] Izv SO AN SSSR no 9 Ser obshchestv nauk no 3 87-88 '63

SIBERIA—HISTORY
A [illegible] approach to a serious topic. V S Poznanskii Izv SO AN SSSR no 9 Ser. obshchestv. nauk no 3: [illegible]-92 '63

SIBERIA—LANDSCAPE GARDENING
Galaktionov, I. I., and A. V. Vu. [Ornamental trees and shrubs for planting in cities of the Asiatic part of the R.S.F.S.R.] Dekorativnye derev'ia i kustarniki dlia ozeleneniia gorodov Aziatskoi chasti RSFSR. Moskva, Izd-vo M-va Kommun. khoz. RSFSR, 1963. 288 p.
(DNAL)

SIBERIA—LONGEVITY
Life span of the population of Siberia and the Far East. F M Levitskii Izv. Sib. otd AN SSSR no. 6:3-9 '62.

SIBERIA—MIGRATION, INTERNAL
New study on the history of the colonization of Siberia. V I Pavlov, B G Tiukavkin Izv SO AN SSSR no. 9. Ser obshchestv nauk no 3:74-77 '63

SIBERIA—RAILROADS—DESIGN AND CONSTRUCTION
At the construction site of the Abakan-Tayshet line. S E Krylov, S. A. Liakovets, N S. Strizhkov. Transp stroi 13 no 12 6-9 D '63

SIBERIA—SOIL RESEARCH
Results achieved and future problems in soil research in Siberia and the Far East. K. P. Gorshenin, R. V. Kovalev Izv Sib. otd AN SSSR no. 6:78-87 '62.

SIBERIA—WHEAT—VARIETIES
Results [illegible] of improving the quality of the grain of spring wheat in Siberia N. A Mogilevtseva Sbor nauch rab Sib nauch -issl inst sel' khoz no. 6 28-42 '61

SIBERIA—WOODY PLANTS
Galaktionov, I. I., and A. V. Vu. [Ornamental trees and shrubs for planting in cities of the Asiatic part of the R. S. F. S. R.] Dekorativnye derev'ia i kustarniki dlia ozeleneniia gorodov Aziatskoi chasti RSFSR. Moskva, Izd-vo M-va Kommun. khoz. RSFSR, 1963. 288 p.
(DNAL)

SIBERIA, EASTERN—CEMENT INDUSTRIES
Special features of the development of the cement industry in Eastern Siberia. V. P. Gukov. Izv SO AN SSSR no 9 Ser obshchestv. nauk no 3.11-16 '63.

SIBERIA, EASTERN—GEOLOGY
Geological and petrological interrelationship of the Udokan series and the Stanovoy complex. S. P. Korikovskii, V. S Fedorovskii. Dokl. AN SSSR 156 no. 2.318-321 My '64.

SIBERIA, EASTERN—LUMBERING
Development of wood processing in the lumbering industry of Eastern Siberia. V A. Aristov. Izv. SO AN SSSR no. 9. Ser. obshchestv. nauk no. 3:17-21 '63.

SIBERIA, EASTERN—PETROLOGY
Geological and petrological interrelationship of the Udokan series and the Stanovoy complex. S. P. Korikovskii, V. S. Fedorovskii. Dokl. AN SSSR 156 no. 2 318-321 My '64.

SIBERIA, WESTERN—AGRICULTURE—ECONOMIC ASPECTS
Research on the history of agrarian capitalism in Siberia V. F. Borzunov. Izv. SO AN SSSR no 9. Ser. obshchestv nauk no 3:76-80 '63.

SIBERIA, WESTERN—ALFALFA—VARIETIES
The "Flora" variegated hybrid alfalfa G. I. Makarova. Sbor nauch rab Sib nauch.-issl. inst sel'. khoz. no. 6 75-81 '61

SIBERIA, WESTERN—BIRCH
Birch forests of the southeastern forest-steppe of Western Siberia. E. I. Lapshina. Trudy TSSBS no. 6 103-130 '63.

SIBERIA, WESTERN—CHERNOZEM SOILS
Determining the nitrogen fertilizer requirements of farm plants in the Chernozem soils of Siberia A E Kochergin Sbor nauch rab Sib nauch -issl. inst sel' khoz no 6 3-9 '61

Effectiveness of clover as a fallow crop in the Chernozem forest steppe of Siberia V D Bezvikonnyi, G. A Kaletin Sbor nauch rab Sib. nauch -issl inst sel'-khoz no 6 10-15 '61

SIBERIA, WESTERN—CLIMATE
Natural-climatic regionalization of Western Siberia. A. P. Sliadnev. Trudy GGO no. 162 68-84 '64.

SIBERIA, WESTERN—CORN (MAIZE)
Sweet corn. V S Il'in Sbor nauch rab Sib. nauch.-issl. inst sel' khoz. no 6 118-119 '61

Winter planting of corn B I Gerasenkov, V P. Ragozina. Sbor nauch rab Sib nauch -issl inst. sel'. khoz no. 6: 117-118 '61

SIBERIA, WESTERN—FIELD CROPS—FERTILIZERS AND MANURES
Determining the nitrogen fertilizer requirements of farm plants in the Chernozem soils of Siberia. A. E Kochergin Sbor nauch rab Sib nauch. -issl, inst sel' khoz. no 6 3-9 '61

SIBERIA, WESTERN—FOREST ECOLOGY
Birch forests of the southeastern forest-steppe of Western Siberia. E. I. Lapshina. Trudy TSSBS no. 6.103-130 '63.

SIBERIA, WESTERN—HYBRID CORN
Relationship among parent forms in the hybridization of corn in Siberia B I Gerasenkov Sbor nauch. rab. Sib. nauch -issl inst sel' khoz no. 6,115-116 '61

SIBERIA, WESTERN—MILLET—VARIETIES
Foxtail millet O. V. Karetnikova. Sbor. nauch. rab. Sib. nauch -issl inst sel' khoz no 6:82-86 '61.

SIBERIA, WESTERN—MOSSES
Materials on the study of marsh and meadow mosses of the forest-steppe and steppe regions of Western Siberia. N. V. Logutenko. Trudy TSSBS no. 6:334-337 '63.

SIBERIA, WESTERN—OIL WELL COMPLETION
Completion of the West Siberian oil-and gas-bearing province. V. I. Botvinnikov. Izv. SO AN SSSR no. 9. Ser. obshchestv. nauk no. 3:22-28 '63.

SIBERIA, WESTERN—PALEOBOTANY, STRATIGRAPHIC
P. I. Dorofeev's "Tertiary floras of Western Siberia." Reviewed by N. IA. Kats Biul. MOIP. Otd. biol 69 no. 3:154-156 My-Je '64

SIBERIA, WESTERN—PASTURES AND MEADOWS—FERTILIZERS AND MANURES
Use of mineral fertilizers in meadows and pastures. I. I. Zagrebaev Sbor nauch. rab. Sib nauch. -issl. inst. sel'.-khoz no 6 21-24 '61

SIBERIA, WESTERN—PHYTOGEOGRAPHY
Mapping of the forest-steppe vegetation of Western Siberia. E. I. Lapshina. Trudy TSSBS no. 6:63-76 '63.

SIBERIA, WESTERN—POTATOES
Single-tuber potato planting. L. L. Kotliarova. Sbor. nauch. rab Sib. nauch. -issl. inst. sel' khoz. no 6:72-74 '61

SIBERIA, WESTERN—RED CLOVER
Effectiveness of clover as a fallow crop in the Chernozem forest steppe of Siberia V D Bezvikonnyi, G A. Kaletin Sbor nauch rab Sib nauch -issl. inst sel'-khoz no 6 10-15 '61.

SIBERIA, WESTERN—SHEEP
Systems of fine-wool sheep raising V. I. Eismont. Sbor. nauch rab. Sib nauch. -issl. inst sel'. khoz. no. 6, 104-108 '61

SIBERIA, WESTERN—WHEAT
Durum wheat. G. P. Vysokos, A. V. Varaksin. Sbor. nauch. rab. Sib. nauch -issl. inst. sel'. khoz no 6,43-48 '61

SIBERIA, WESTERN—WHEAT—VARIETIES
New spring wheat varieties developed from winter varieties S T. Bogomiagkov, Sbor. nauch. rab. Sib. nauch.-issl. inst sel' khoz. no 6 55-59 '61.

Selecting winter wheats S. T. Bogomiagkov. Sbor nauch rab. Sib. nauch -issl inst sel'. khoz. no [illegible] '61

SIEVES
A useful manual on the utilization of sieves. V. Krshemtnskii and others. Muk.-elev. prom. 30 no. 4,32 Ap '64.

SIKHOTE-ALIN' RANGE—AMMONOIDEA
Late Jurassic ammonites in the southern Sikhote Alin' Range. K. M. Khudolei Trudy VSEGEI 81:61-78 [illegible]

SILANE
Addition of silane hydrides to acetylenic alcohols and their derivatives S. I Sadykh-zade, I. A. Shikhiev, E M Khalilova. Zhur ob khim 34 no. 5 [illegible] My '64.

Ammonolysis of methyl (1, 1, 1, 2, 3, 3-hexafluoropropyl) dichlorosilane D. IA. Zhinkin, G. N. Mal'nova [illegible] Zhur. ob. khim 34 no. 5 1477-1479 My '64

Effect of moisture, methanol, and oxygen in methyl chloride on the synthesis of methylchlorosilanes N. P. Lobusevich and others. Zhur. prikl. khim. 37 no 5 1148-1153 My '64.

Interaction of diazoacetic ester with tetraalkylsilanes I. E. Dolgii, A. P Meshcheriakov Dokl. AN SSSR 157 no. 3:615-618 Jl '64.

New method of synthesis of bromomethylsilanes and methylbromochlorosilanes. K. A. Andrianov and others. Zhur. ob. khim. 34 no. 5 [illegible] My '64

Reaction mechanism of addition of hydrides of chlorosilanes to acrylonitrile. Z. V. Belinkova, T. M. [illegible]sheva, S. A. Golubtsov Zhur. ob. khim. 34 no. 5 [illegible]-1404 My '64.

SILICA
Desilicification of sodium-potassium aluminate solutions. M. G. Manvelian and others. Izv. AN Arm. SSR. Khim. nauki 17 no. 3:283-289 '64.

Determination of the heat of formation of silicon dioxide by the electromotive force method. L. A. Reznitskii Zhur. fiz. khim. 38 no. 3:760-762 Mr '64.

Geometric modification of a skeleton of xerogels. Part 2. N. V. Akshinskaia, A. V. Kiselev, IU. S. Nikitin Zhur. fiz. khim. 37 no. 4:927-928 Ap '63.

SILICA, EFFECT OF RADIATION ON
Nature of active centers in the reaction involving the isotopic exchange of hydrogen on γ-irradiated silica gel. G. K. Boreskov and others. Dokl. AN SSSR 157 no. 2:384-387 Jl '64.

SILICIC ACID see subdivision under Indian Ocean

SILICON
Nature of the film on the surface of a silicon photocell during anodic etching. M. M. Koltun. Zhur. fiz. khim 38 no. 3:723-725 Mr '64.

Nature of trapping centers in thermally treated silicon. K. D. Illynchuk, N. M. Lytovchenko. Ukr. fiz. zhur. 9 no. 2:226-230 F '64.

State of the surface of anodically polarized silicon in hydrofluoric acid solutions. E. A. Efimov, I. G. Erusalimchik, G. P. Sokolova. Zhur. fiz. khim. 36 no. 6:1216-1221 Je '62.

SILICON—ELECTRIC PROPERTIES
Effect of complementary charged centers on the capacitance of silicon p-n junctions. G. B. Abdullaev, E. A. Dzhafarova, Z. A. Iskender-Zade. Dokl. AN Azerb. SSR 20 no. 3:17-21 '64.

Study of slow changes in the work function and surface conductivity of Si and Ge. V. G. Litovchenko and others Radiotekh. i elektron. 9 no. 6:1047-1054 Je '64

SILICON CRYSTALS
Electron paramagnetic resonance in silicon and germanium. L. D Bogomolova, V. N. Lazukin, I. V Chepeleva. Usp. fiz. nauk 83 no 3:433-502 Jl '64.

SILICON-GERMANIUM ALLOYS—ELECTRIC PROPERTIES
Distribution of boron during the crystallization of solid solutions of germanium in silicon. V. S. Zemskov, V. V Rozhdestvenskaia. Izv. AN SSSR. Met. i gor. delo no. 3:154-158 My-Je '64.

SILICON-MAGNESIUM-ALUMINUM ALLOYS see Aluminum-silicon-magnesium alloys

SILICON ORGANIC COMPOUNDS
Properties of some oxygen-containing organosilicon compounds in a liquid hydrogen fluoride medium. A. P. Kreshkov and others. Zhur. fiz. khim. 38 no. 3: 736-740 Mr '64.

Synthesis and investigation of organosilicon compounds with a bridge between silicon atoms. Part 4: Synthesis of dichlorotetraalkyl ethanes, acetylenic alcohols and derivatives based on them. V. P. Kuznetsova and others Zhur. ob. khim. 34 no. 6:1884-1887 Je '64.

Synthesis of precursors and fragments of antibiotics. Part 12: Condensation of organosilicon compounds with thioglycolic acid and its ethyl ester. T. M. Voronkina, I. T. Strukov, M. F. Shostakovskii. Zhur. ob. khim. 34 no. 5:1484-1487 My '64.

SILK MANUFACTURE—EQUIPMENT AND SUPPLIES

Improvements in the silk industry. D.M.Biblin, A V. Esel'ska, R.B Men'. Leh.prom. no 2;32-34 Ap-Je '64.

SILKWORMS

Effect of the transfusion of hemolymph on the transmission of characters and properties in the mulberry silkworm. A.G.Khozinskaia Agrobiologiia no 3:457-459 My-Je '64.

SILOS see subdivision under Germany, West

SILOXANES

Cleavage of organosiloxanes with thionyl chloride during ultraviolet irradiation. E.V.Kukharskaia, IU.I. Skorik. Zhur.ob khim 34 no 6;2092-2093 Je '64.

Isomerism of 3,3,3-trifluoropropylmethylcyclosiloxanes. IU A.IUzhelevskii and others. Zhur.ob.khim. 34 no.6;1780-1782 Je '64.

SILVER COMPOUNDS

Partition chromatography of unsaturated lipids in the form of their π-complexes with silver ions A G Vereshchagin, S.V Skvortsova Dokl AN SSSR 157 no 3 699-702 Jl '64.

SILVER FOX
(see also subdivision under Chukchi Peninsula)

Obtaining two offspring per year from silver foxes. G.A.Kuznetsov. Nauch.trudy Nauch.-issl.inst.push. zver.i krol. 4:29-50 '63.

SILVER FOX—FEEDING AND FEEDS

Feeding silver fox males. A.A.Firstov, IU.D.Kuznetsova Nauch.trudy Nauch.-issl.inst.push.zver.i krol. 4:113-119 '63.

SILVER-PLATINUM ALLOYS see Platinum-silver alloys

SILVER SULFIDE

Spectral study of the process of the formation and destruction of sensitivity centers in the silver sulfide emulsion under the effect of light. L.A.Rozentsvaig. Pratsi Od.un. 150 Zbir.stud.rob. no.6:117-119 '60.

SILVERSMITHING

Moscow. Gosudarstvennyi istoricheskii muzei. [Catalog of Russian enamels on gold and silver articles; collection of the State Historical Museum and its branches] Katalog russkikh emalei na zolotykh i serebrianykh izdeliiakh, sobraniia Gosudarstvennogo istroicheskogo muzi i ego filialov. Moskva [Sovetskaia Rossiia] 1962. 175 p. plates.
(MH)

SIMILITUDE, THEORY OF

Kuz'min, M.P. [Electrical simulation of some nonsteady thermal processes] Elektromodelirovanie nekotorykh nestatsionarnykh teplovykh protsessov. Moskva, Izd-vo "Energiia," 1964. 119 p.

Novik, I.B. [Philosophical problems of cybernetic modeling] O filosofskikh voprosakh kiberneticheskogo modelirovaniia. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 13)

SIMONOV, KONSTANTIN MIKHAILOVICH, 1915-

Guests of Arctic seamen. Vl.Matveev. Sov.voin 46 no.13 13 Jl '64.

SIMULATION METHODS

Experimental unit for modeling fluid flow through porous media. I.S.Sandakhchiev, A.IU.Kholodniak, A.V. Ermanova. Trudy Turk.fil.VNII no.6;82-88 '63.

Hydraulic calculation of annular gas networks on a d.c. electric model D L Chernov Gaz prom. 7 no.4:30-34 '62.

Modeling the contraction of an oil-water boundary on a slotted tray. V.L.Danilov, IU.A.Teplov Izv.Kazan. fil. AN SSSR. Ser.fiz.-mat.i tekh.nauk no.16;33-44 '62.

Optimization in stochastic models. L.S.Gurin. Zhur. vych.mat.i mat.fiz. 4 no 2;367-370 Mr-Ap '64.

Second-order modeling in application to a certain device. A.Akhmedov. Zhur.vych.mat.i mat.fiz. 4 no.2; 327-337 Mr-Ap '64.

Studying seismic waves reflected from under a strata with increased wave-propagation velocity using two-dimensional models. I.I.Gurvich, P.G.Gil'bershtein Geofiz.razv. no.15;3-19 '64.

Theory of nuclear-magnetic logging; simulating the orthogonal position of a polarized coil. V.I.Danevich, A.Kh.Ismailov. Izv.vys.ucheb.zav.; neft' i gaz 7 no.1;97-99 '64.

SINGERS

Lebedev, D.N. [Performing traditions of Russian opera singers] Ispolnitel'skie traditsii russkikh opernykh pevtsov. Moskva, Muzyka, 1964. 82 p.

SINTERING

Changes in density during the sintering of iron-copper powder alloys. V.K.Sorokin. Trudy GPI 19 no.1; 74-77 '63.

High-speed sintering and the physical and chemical characteristics of the process. S.M.Zubakov. Vest. AN Kazakh.SSR 19 no 5:25-34 My '63.

iron-graphite alloys. V.K.Sorokin, S.S.Iskhakov. Trudy GPI 19 no.1 60-68 '63

Investigating the mechanical properties of the basic components of iron ore sinters. B.A Livshits, G.S. Vasil'ev. Izv vys.ucheb.zav., chem.met. 7 no.6. 23-25 '64.

SIPHONOPHORA see subdivision under Arctic regions

SITOSTEROL

Molecular compound of β-sitosterol with metal chlorides M V Vasil'eva, A M Khaletskii Zhur.ob khim 34 no 5 1400-1401 My '64

SIVATHERIIDAE see subdivision under Georgia

SKIN—CANCER
(see also subdivision under Kazakhstan)

Effect of sex hormones on the metastasis of the Brown-Pearce tumor. V.D.Vinogradova. Vop onk. 10 no 2: 105-108 '64

Effect of some supplementary factors on the development of experimental skin cancer V.F.Solomina Trudy Inst klin.i eksp khir AN Kazakh.SSR 8.121-127 '62

Reaction of the epidermis to the primary and secondary effect of 9,10-dimethyl-1,2-benzanthracene on the skin of mice. C.L.Plang. Vop.onk. 10 no.2:88-90 '64.

SKIN—DISEASES

Kardashenko, B.IA. [This did not have to happen; prevention of skin diseases] Etogo moglo ne byt'; profilaktika kozhnykh zabolevanii. Moskva, Izd-vo "Znanie," 1964. 29 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no.12)

Some data on helioaerotherapy for eczema and neurodermatitis under E.A.Cherniavskii's jalousies. I.N. Ibragimov. Sbor.trud.Uz.gos.nauch.-issl.inst kur.i fizioter. 17.159-162 '62.

SKIN—INFLAMMATION

Changes in some oxidation-reduction enzymes in inflammatory excrescences of the skin [with summary in English]. Ou Bao-sian [Ou Pao-hsiang], N.T.Raikhlin Arkh.anat., gist.i embr. 44 no.6:93-96 Je '63.

SKIN—INNERVATION

Condition of skin innervation mechanisms in experimental injuries from electricity. K.Abashidze. Soob.AN Gruz.SSR 31 no.1:195-202 Jl '63.

Effect of atropine on skin polarizing potentials. V.K. Vasil'eva. Nerv.sist no.3;62-66 '62.

SKIN—PERMEABILITY

Effect of the irritation of stomach receptors on skin permeability against a background of stimulation of the central nervous system A G Tagieva Dokl.AN Azerb.SSR 20 no 4:71-75 '64.

SKIN EFFECT

Skin effect of transient operation. V.I.Volosov, B.V Chirikov Radiotekh i elektron 9 no.5:910 My '64

SKINKS see subdivision under Sunda Islands

SKRYPNYK, MYKOLA OLEKSIOVYCH, 1872-1933

Babko, IU.V. [Soldier of the party; on M.O.Skrypnyk] Soldat partii; pro M.O.Skrypnyka. Kyiv, Derzhpolitvydav URSR, 1962. 104 p. (Bortsi za velyku spravu)

SKULL

Development of cartilaginous neurocranium and its connection with the palatoquadrate in Hynobius keyserlingii E D.Regel' Trudy Zool.inst. 33;34-74 '64.

Development of dermal bones of the basement of the skull in tailed amphibians of the family Hynobiidae N.S Lebedkina Trudy Zool.inst. 33 75-172 '64

Variability of craniological characteristics in the harp seal (Pagophilus groenlandicus Erxleben 1777). A.V. IAblokov, D.E.Sorzhent. Zool.zhur. 42 no.12:1857-1865 '63.

SKULL—ABNORMITIES AND DEFORMITIES

Acrocephalosyndactylia (Apert's disease). A.D.Kleif. Zhur.nevr.i psikh. 63 no.7:1009-1011 '63.

SKULL—RADIOGRAPHY

X-ray diagnosis of congenital listeriosis in newborn infants. A.I.Kochergin. Vest.rent.i rad. 38 no.3:25-27 My-Je '63.

SKULL—WOUNDS AND INJURIES

Dynamic study of the clinical aspects and biochemical activity of the brain in acute and late periods of closed cranial trauma in children. S.A.Mel'nikov, M.A. Ronkin. Zhur.nevr.i psikh. 63 no.7:979-985 '63.

Some mechanisms of the injuries of human cranial and pelvic bones. V.N.Kriukov. Sud.-med.ekspert. 7 no.2;11-14 Ap-Je '64.

Treatment of acute craniocerebral trauma by intracarotid injections of penicillin. I S.Kal'ter. Khirurgiia 40 no.2;40-49 F '64.

SKY—LUMINANCE

Seasonal course of brightness at altitudes of up to 17.5 km. A.B.Sandomirskii, N.P.Al'tovskaia, G.I. Trifonova. Izv.AN SSSR.Ser.geofiz. no.7;1121-1127 Jl '64.

(see also subdivision under Ukraine)

Changes in the oxidation of slag during top oxygen blowing of cast iron in converters E M Ogryzkin. Izv AN SSSR.Met.i gor delo no.3;42-51 My-Je '64.

Kinetic regularities of the reduction of slag by gas S.V Shavrin, I N Zakharov, B.V.Ipatov Izv.AN SSSR.Met.i gor.delo no 3;22-31 My-Je '64

SLAG—ANALYSIS

Effect of supercooling and composition on the rate of crystal growth in blast furnace slags. Sh.Tameshi. Izv.AN SSSR.Met i gor.delo no 3;37-41 My-Je '64

SLAUGHTERING AND SLAUGHTERHOUSES—EQUIPMENT AND SUPPLIES

Gurari, N.G., and B.F.Ur'iash. [Mechanization of flaying in meat packing plants] Mekhanizatsiia s"emki shkur na miasokombinatakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 98 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

SLAVERY see subdivision under Rome

SLAVIC LANGUAGES—AFFIXES

History of Slavic nouns with the suffix "-*ti." S.M. Shur. Vop.slav iaz no 7:82-102 '63.

SLAVIC LANGUAGES—NOUNS

History of Slavic nouns with the suffix "-*ti." S.M. Shur. Vop.slav.iaz no 7:82-102 '63

SLAVIC LANGUAGES—PHONETICS

Origin of the Slavic nasal vowel ǫ (JQ) V.F Maresh Vop slav.iaz. no.7:7-11 '63.

SLIDE VALVES—PNEUMATIC DRIVING

Starting ball slide valve with pneumatic control. V.M. Savostov. Mash.i neft.obor. no.11:22-25 '63.

SLOBODIAN, PETR

They were decorated in 1962. N.Belous, V.Kiselev. Sov.voin 44 no.24:3-4 D '62.

SLOVAKIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Sadilenko, A.M. [Front after front; partisan stories. As told to L.Shap] Za frontom, front; partizanskie byli. Literaturnaia zapis' L Shapa. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 190 p.
(MH)

SLOVAKS see subdivision under Kirghizistan

SMALLPOX—MICROBIOLOGY

Effect of X rays on the reproduction of smallpox vaccine virus in tissue culture. L A. Kamalian, R. A. Ter-Pogosian. Radiobiologiia 3 no.6:855-857 '63.

SMALLPOX—VACCINATION

Determination of the activity of smallpox vaccine with the aid of antivaccinal serum, author's abstract. V.A. Florensova, E.I.Shchamel'. Trudy Irk.NIIEM no.6. 135-136 '61.

SMELTING

Increasing zone stability in vertical smelting without a crucible. IU.E.Nedzvetskii, V.I.Dobrovol'skaia. Trudy NIITVCH no 1/2 188-190 '60.

SMIRNOV, IURII, 1925-1944

Eternal glory. Sov.voin 46 no.12;21 Je '64.

SMOKELESS POWDER see Gunpowder, Smokeless

SMOLENSK PROVINCE—CLEARING OF LAND

Borodkin, V.V. [Reclaiming brushlands by plowing the brush under] Osvoenie zakustarennykh zemel' metodom zapashki kustarnika. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 49 p.
[DNAL MICROFILM]

SMOLENSK PROVINCE—FLAX

Vasil'ev, F.F., and V.G.Lomonosov. [Flax is our wealth] Len - nashe bogatstvo. [Smolensk, Smolenskoe knizhnoe izd-vo, n.d.] 39 p. (Propashnoi sisteme-vysokuiu agrotekhniku)
(DNAL)

SMOLENSK PROVINCE—PEAS

Medzhievskaia, E.I. [22 centners of peas per hectare] 22 tsentera gorokha s gektara. [Smolensk, Smolenskoe knizhnoe izd-vo, n.d.] 30 p. (Propashnoi sisteme - vysokuiu agrotekhniku)
(DNAL)

SNAKES

Distribution and life history of Lytorhynchus ridgewayi Boulenger, 1887 with the ecologic and geographical review of the genus Lytorhynchus Peters, 1862. A.M. Andrushko, N.E.Mikkau. Vest.LGU 19 no.9:5-19 '64.

SNOPENKOV, DMITRII ALEKSEEVICH

Twenty years have past. I.Droviannikov. Starsh.-serzh. no.6;19 Je '64.

SNOW

Relation between the snow cover and G J. Wangerheim's types of circulation. [illegible] B Afanas'eva, N. P Faskova. Trudy GGO no 151 77-80 '64

SNOW REMOVAL see subdivision under Moscow; Volgograd

SNOW SURVEYS

In[illegible] snow measurement observa- [illegible] characteristics F B Sh[illegible] [illegible] no 2 85-105 [illegible]

SNOWPLOWS—DESIGN AND CONSTRUCTION

Basis for determining the chief parameters of the working part of a blade-type snow ridger M K Kuznetsova Vest. sel'khoz nauki (Kazakh) 7 no 2;104-112 F '64

SOAKING PITS see Furnaces, Heating

SOCIAL CONFLICT see subdivision under Yekaterinoslav Government

SOCIAL HISTORY

Social problems in medicine V P Chekurin, V D Zhir[illegible] Vest AMN SSSR 18 no 8 88-92 '63

SOCIAL SCIENCE RESEARCH

(see also subdivision under Caucasus, Northern)

Work of the Scientific Council of the Academy of Sciences of the U.S.S.R. on the general problem "The laws of socialist development and the transition to communism." Sov.gos.i pravo 34 no.5:145-148 My '64.

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—STUDY AND TEACHING

Interuniversity conference and its recommendations Vest vys shkoly 22 no 5 69-71 My '64

Let's remember specificity and increase exactingness S.A IUdachev Vest vys.shkoly 22 no 5 62-69 My '64

SOCIALISM

Bustinskii, V.A [Peculiarity of the leap in the transition from socialism to communism] O svoeobrazii skachka pri perekhode ot sotsializma k kommunizmu. Moskva, Izd-vo "Mysl'," 1964. 55 p.

SOCIALIST COMPETITION

(see also subdivision under Bashkiria, Leningrad)

Accelerator of our growth IU.Gorshenev Kommunist 41 no 11 93-97 Jl '64

High combat readiness I Kortunov Voen vest 42 no 12 14-15 D '62

Kovalev, N.I. [Work of the factory, plant and local committees among the masses of industrial workers] Komissiia FZMK po proizvodstvenno-massovoi rabote. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no.14(86))

Movement striving for the future Kommunist 41 no 11 89-93 Jl '64

Nauchnaia konferentsiia na temu "Razvitie sotsialisticheskogo sorevnovaniia v ugol'noi promyshlennosti Kuzbassa." (*Reports and papers of the Scientific Conference on the Subject "Expanding socialist competition in the coal industry of the Kuznetsk Basin"*) Doklady i soobshcheniia. Kemerovo, Kemerovskii gornyi in-t, 1962. 113 p.

[MICROFILM]

Socialist competition is creativity. A Volkov. Sov. shakht. 12 no 1;28 Ja '63

Study of the present stage of socialist competition. E.E. Beilina. Ist.SSSR 8 no.1;52-72 Ja-F '64.

Work and live in the communist way G Denisenko. Den i kred 22 no 7 51-54 Jl '64

SOCIALIST PARTIES

Cherniaev, A. S. [Social Democrats at present and the problems of the unity of the workers movement] Sovremennaia sotsial-demokratiia i problemy edinstva rabochego dvizheniia. Moskva, Izd-vo "*Znanie*," *1964*. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 14)

SOCIOLOGY

Moscow. Universitet druzhby *narodov*. *Kafedra istoriko-ekonomicheskogo tsikla*. [Historical and economic survey] Istoriko-ekonomicheskii obzor. Moskva.
Pt.1. [The precapitalist formations] Dokapitalisticheskie formatsii. 1963. 199 p.

SODA INDUSTRY

Use of digital computers in the production of *soda* V.I. Hrubov. Khim prom (Ukr.) no.1:47-50 Ja-Mr '63.

SODA INDUSTRY—SAFETY MEASURES

Safety measures in the manufacture of caustic soda by the mercury electrolysis method. IA. A.Shapirshtein, V.I. *Pustovit*. *Khim*.prom. no.4:299-301 Ap '64.

SODIUM

Distillation of sodium and potassium from industrial wastes. *A*. P. Sachko. Zhur. prikl. khim. 37 no 5; 1116-1119 My '64.

SODIUM—THERMAL PROPERTIES

Heat transfer due to metallic sodium moving in a tube. V.M.Borishanskii, T.V.Zablotskaia, N.I.Ivashchenko. Atom.energ. 16 no.6 524-526 Je '64.

SODIUM CHLORITE

Use of OsO4 as a catalyst in arsenitometry. Report No.5: Determination of sodium chlorite and some iodine compounds. P.Norkus, S.Carankute. Trudy AN Lit.SSR. Ser.B no.1 151-158 '64.

Use of OsO4 as a catalyst in arsenitometry. Report No.6: Determination of hydrogen peroxide and sodium chlorite. P.Norkus, J.Valsiuniene. Trudy AN Lit.SSR.Ser.B no.1:159-162 '64.

SODIUM FLUORIDES

Physicochemical study of the interaction of iodine pentoxide with sodium and potassium fluorides. A.A. Opalovskii, Z.M.Kuznetsova, L A Luk'ianova. Izv. Sib.otd.AN SSSR no 6;54-58 '62.

SODIUM FLUORIDES—TOXICOLOGY

Comparative examination of the toxic effect of potassium fluozirconate and sodium fluoride A L Reshetiuk Farm.i toks 26 no 1 117-121 Ja-F '63

SODIUM FLUOSILICATES

Testing methods of group vermifugal treatment of sheep infected with intestinal helminthiases using sodium fluosilicate A.I.Chubis Vest sel'khoz nauki [Kazakh] 7 no 6 70-76 Je '64

SODIUM HYDROXIDE—ELECTRIC PROPERTIES

Electric conductance of NaOH solutions at *high temperatures*. I.N.Maksimova, Y.F.IUshkevich. Zhur.fiz. khim. 37 no.4;903-907 Ap '63.

SODIUM NITRITE

Effect of sodium nitrite on the corrosion of low-carbon steel at varying rates of its motion in seawater P S. Shcherbakov Zhur.fiz.khim 36 no.6;1360-1363 Je '62.

SODIUM NITRITE CRYSTALS

Study of certain dielectric properties of sodium nitrite single crystals. A.S.Sonin, I.S.Zheludev. Kristallografiia 8 no.1,57-62 Ja-F '63.

SODIUM PERMANGANATE

New method for the production of sodium permanganate. M M.Kushnir. Khim.prom. [Ukr.] no.1 79 Ja-Mr '63.

SODIUM SELENOPENTATHIONATES

Some physicochemical properties of sodium selenopentathionate. M.Padolskis, J.Janickis. Trudy AN Lit.SSR. Ser.B no.1;127-133 '64.

SODIUM SILICATES

Physicochemical properties of sodium and potassium silicate solutions Part 2 Vapor density of sodium silicate solutions. G G.Babaian, S.S.Muradian, E.B Oganesian Izv AN Arm.SSR Khim.nauki 17 no 3:290-295 '64

SODIUM SULFITES

Derivatives of anthracene, Part 10: 1,2,5,6-anthradiquinone-1,5-dioxime and its compounds with sodium bisulfite M.V.Gorelik Zhur.ob.khim. 34 no.6: 2003-2010 Je '64.

Mechanism of the electrolytic oxidation of sodium sulfite. G.L.Klianina, A.I.Shlygin Zhur.fiz.khim. 36 no.6: 1310-1312 Je '62

SOFIA—APARTMENT HOUSES

Large-panel apartment houses in Sofia. D.Kolarov. Zhil.stroi. no.5 27-31 '64.

SOIL ABSORPTION see subdivision under Krivoy Rog Basin

SOIL ACIDITY

Effect of calcium, potassium, and sodium compounds on the accumulation of strontium-90 in crops. E.V. IUdintseva, E.M.Levina. Izv.TSKHA no.5;106-120 '63.

SOIL BINDING see subdivision under Dnieper Valley

SOIL BIOLOGY

(see also subdivision under Moldavia)

Optimum pH of some soil hydrolases. L.V.Markosian, A.Sh.Galstian. Izv.AN Arm SSR.Biol.nauki 16 no 2: 45-52 F '63.

SOIL CONSERVATION see subdivision under Kazakhstan; Virgin Territory

SOIL FAUNA see subdivision under Baraba Steppe

SOIL FERTILITY see subdivision under White Russia

SOIL FORMATION

(see also subdivision under Kabardino-Balkar A.S.S.R.; Soroki region, Moldavia)

Role of algae in the formation of soils. N.N.Bolyshev. Pochvovedenie no.6;79-85 Je '64.

SOIL INOCULATION

Effect of bacterial fertilizers on the yield of cabbage and potatoes. A L Afanas'eva and others. Sbor. nauch rab Sib nauch -issl inst sel' khoz no 6 25-27 '61.

SOIL MECHANICS

Calculating the stability of slopes by using Variation's theory. *A.N.Margot'ev. Osn., fund.i mekh.grun.* 6 no.3·25-26 '64.

Coefficient of the variability of the modulus of soil deformation. P.A.Konovalov, N.IA.Rudnitskii. Osn., fund.i mekh.grun. 6 no.3.10-17 '64.

Determining the ultimate frontal resistance of soils to the sinking of well shells. V.M.Vyrvo. Osn., fund.i mekh.grun. 6 no.3;1-5 '64.

Effect of a continuous electric current and chemical admixtures on the deformation rate of peat under load. N.P.Kovalenko. Izv.vys.ucheb.zav.; les. zhur. 6 no.6 81-84 '63.

Effect of vibration on the force of the external friction of soils. E.M.Perlei. Osn., fund.i mekh.grun. 6 no 3 5-8 '64.

SOIL MECHANICS—BIBLIOGRAPHY see Bibliography—Soil mechanics

SOIL MICRO-ORGANISMS

(see also subdivision under Moldavia)

Bacterial species decomposing tricalcium phosphate and their physiological activity. N.V.Sergeeva. Izv.Mold.fil.AN SSSR no.7:66-71 '61.

Effect of plowing methods on the microbiological processes in soils. Z P.Karamshuk. Sbor nauch.rab Sib nauch -issl.inst sel' khoz. no 6:16-20 '61

Relationship between the phosphatase activity of microflora and the mobile phosphorus content of soil. V.V. Kotelev, E.A.Mokhtieva. Izv.Mold.fil.AN SSSR no.7: 41-47 '61.

Use of electron microscopy in the study of soil suspensions and cultures of micro-organisms. D.I.Nikitin Pochvovedenie no.6;86-91 Je '64.

SOIL MOISTURE see subdivision under Danube Valley; Kuban

SOIL PERCOLATION

Studying the infiltration of water into the soil by the method of artificial sprinkling. V.S.Dygalo, V.M Mukhin. Sbor. rab. Mosk. gidromet. obser. no.2,84-84 '63.

SOIL PHYSICS

Revut, I.B. [Soil physics] Fizika pochv. Leningrad, Izd-vo "Kolos," 1964. 319 p.

SOIL POLLUTION

Action of potassium phosphate on the translocation of radiostrontium absorbed by soil. G.N.TSelishcheva. Izv.TSKHA no.5;121-129 '63.

SOIL RESEARCH

(see also subdivision under Poland; Siberia; Soviet Far East)

Results and objectives of research work at the Soil Science Section of the Department of Biology and Soil Science in the light of the resolutions of the 22d Congress of the CPSU. P.E.Solov'ev. Vest Mosk un.Ser.6: Biol., pochv. 17 no.2;16-23 Mr-Ap '62

SOIL STABILIZATION

Applying the theory of filtration consolidation for highly compressible water saturated clayey soils. M.IU. Abelev, N.A.TSytovich. Osn., fund.i mekh.grun. 6 no.3:11-14 '64.

SOIL TEMPERATURE

Methodology of climatological processing of observations of surface soil temperatures. A.K.Shkadova. Trudy GGO no.162;47-63 '64.

SOILS

(see also subdivision under Amga Valley; Burma; Lenkoran Lowland; Ural Mountain region)

Gorki. (Mogilevskaya oblast'). Belaruskaia Akademiia sel'skae haspadarki. [Soil research and the use of fertilizers] Issledovanie pochv i primenenie udobrenii. Minsk, Izd-vo "Urozhai," 1964. 186 p.
(DNAL)

SOILS—ABSTRACTS

[Soil science] Ref.zhur.: Pochv. no.14 Jl '64.

SOILS—AMMONIA CONTENT

Determining ammonia *nitrogen in soil extracts using* indophenol dyes. E.I.Shkonde, I.E.Koroleva. Pochvovedenie no.6;54-60 Je '64.

SOILS—ANALYSIS

Kalachev, B.A., and E.P.Gusenkov. [Method of determining soil salinity with Markovskii's salinometer and suggested simplifications of the standard method] Metod opredeleniia zasolennosti pochvo-gruntov pri *pomoshchi* solemera Markovskogo i predlagaemye uproshcheniia standartnoi metodiki. Moskva, Gipro-vodkhoz, 1963. 17 p.

[MICROFILM]

[illegible] determining [illegible] Soob. AN Gruz. SSR 31 [illegible]

Interdepartmental Commission on the Nomenclature, Systematics, and Classification of Soils of the All-Union Scientists. Pochvovedenie no. 6:92-95 Je '64

Modern approach to soil classification as established by Dokuchaev and its application to the U S S. R. and world soil maps. I. P Gerasimov. Pochvovedenie no. 6:1-14 Je '64

Theoretical problems of soil science in the Scientific Council. Discussion on the new American soil classification system. I P. Gerasimov Pochvovedenie no. 6:14-48 Je '64.

SOILS—MANGANESE CONTENT see subdivision under Samarkand Province

SOILS—MOLYBDENUM CONTENT

Mobilization of molybdenum Priroda 53 no 7:102 '64

SOILS—PHOSPHORUS CONTENT

(see also subdivision under Moldavia)

Relationship between the phosphatase activity of microflora and the mobile phosphorus content of soil. V.V. Kotelev, E.A. Mekhtieva. Izv. Mold. fil. AN SSSR no. 7: 41-47 '61.

SOILS—POTASSIUM CONTENT

(see also subdivision under Moldavia)

Effect of mineral fertilizers on the potassium content of soil. R.K. Guseinov, A.K. Akhundov. Dokl. AN Azerb. SSR 19 no. 8:69-72 '63.

SOILS—SODIUM CONTENT

Quantitative determination of sodium in soils and soil solutions with the help of a glass electrode. D. S Orlov, N. N. TSikurina. Vest. Mosk. un Ser. 6: Biol., pochv. 17 no. 2:57-62 Mr-Ap '62.

SOILS—VANADIUM CONTENT

Vanadium in some naturally-occurring substances. V. I. Koblashvili. Soob. AN Gruz. SSR 34 no. 1 67-71 Ap '64.

SOILS, RADIOACTIVE SUBSTANCES IN

Ion-exchange sorption of radioactive elements by soils. Part 4. E. A. Chuveleva, P. P. Nazarov, K. V. Chmutov, Zhur. fiz. khim. 36 no. 6:1378-1381 Je '62

SOILS, SALTS IN see subdivision under Danube Valley; Sal'yan Steppe

SOKOL REGION (KAZAKHSTAN)—MINING ENGINEERING

Improving techniques of mining the Sokol deposit. V. A. Isakov, IU. I Khartovich, N. A. Ten. Trudy Inst. gor. dela AN Kazakh. SSR 13:156-162 '64.

SOKOLOVKA-SABAY REGION (KUSTANAY PROVINCE)—STRIP MINING

Pliaskin, I. I. [Organization of stripping operations at the Sokolovka-Sarbay open pit mines] Organizatsiia vskryshnykh rabot na Sokolovskom i Sarbaiskom kar'erakh. Moskva, Izd-vo "Nedra," 1964. 134 p.

SOLAR ENERGY

Absorption of solar radiation and self-radiation of materials used in solar energy technology; glass and enamel with a film of tin dioxide and white tin with a lead sulfide film. G. T. Meliia. Trudy Inst. energ. AN Gruz. SSR 17:169-176 '63.

SOLAR RADIATION

(see also subdivision under Atlantic Ocean; Rybinsk Reservoir)

Attenuation of the total radiation by the upper cloud level. E. P. Novosel'tsev. Trudy GGO no. 152:90-95 '64.

Distribution of the effective radiation over the territory of the U. S. S. R. L. N. D'iachenko. Trudy GGO no. 152: 126-141 '64.

Measurement of the radiation balance under maritime conditions. N. E. Ter-Markariants, D. L. Grishchenko. Trudy GGO no. 152:110-125 '64.

Penetration of ultraviolet rays of 100-2000 Å wavelengths into the atmosphere. IU. P. Suslov Vest LGU 19 no. 10.127-130 '64.

Scattered and total solar radiation under various conditions. B. M. Gal'perin, L. P. Seriakova. Trudy GGO no. 152:96-109 '64.

SOLDIERS

Get acquainted, physicists! L. Seregina. Sov. voin 46 no. 12:29 Je '64.

The place for exploits is in military work. A. Shangin. Komm. Vooruzh. Sil 4 no. 10:66-69 My '64.

Sons of heroes. V. Mozharov. Sov. voin 46 no. 12:15-16 Je '64

Youth in shoulder straps. A. Koval'-Volkov. Sov. voin 46 no. 11:20 Je '64.

SOLDIERS IN ART

Exploit of the soldier in artistic representation. E. Vostokov. Komm. Vooruzh. Sil 4 no. 10:22-29 My '64.

SOLDIERS IN LITERATURE

Exploit of the soldier in artistic representation. E. Vostokov. Komm. Vooruzh. Sil 4 no. 10:22-29 My '64.

MENT

Deficiencies in planning result in farm losses. N. Stremskii, I. Bogachik. Ekon sel'khoz. 35 no. 1,65-68 Ja '64.

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

Effect of filler dispersity on the hydration solidification of calcium oxide. S I. Kontorovich. Dokl. AN SSSR 156 no. 2;431-436 My '64.

Effect of shaking liquid steel during solidification of the ingot on the quality of the metal in cast and rolled states P S. Plekhanov, P M Danilov Izv vys ucheb zav., chern met 7 no 6 68-76 '64

SOLIDS

Mechanism of reactions in the solid phase K. S. Kutateladze. Zhur prikl. khim. 37 no 5:1009-1013 My '64.

SOLIDS—THERMAL PROPERTIES

Relationship between the real (molecular) heat conductivity of a body and its porosity. K. L. Sheptunov. Izv. vys. ucheb. zav., mashinostr. no. 3:170-172 '64.

SOLIDS—THERMODYNAMICS

Relation between the forbidden zone width of a solid and its thermodynamic properties. K. A. Sharifov Dokl. AN Azerb. SSR 20 no. 3 31-35 '64.

SOLOVETSKIYE ISLANDS—CODFISH

Codfish of the Solovetskiye Islands. K. A. Altukhov. Mat. po kompl. izuch. Bel. mor. no. 2:119-130 '63.

SOLUBILITY

Determination of the solubility of a disodium salt of ethylenediaminetetraacetic acid (trilon B) E. S. Brutle, K. S. Merkulova Zhur. prikl khim. 37 no. 5: 1155-1156 My '64.

Effect of iron on the solubility of aluminum in γ-solid solutions of the system Ni - Cr - Fe K. V. Horau, Z. D. Paulenka Vestsi AN BSSR. Ser. fiz -tekh. nav. no. 1:110-112 '64.

Impossibility of the limited mutual solubility of gases. I. A. Ostrovskii. Zhur. fiz. khim. 37 no. 1:942-945 Ap '63.

Mutual limited solubility of gases in the water - butane system. D. S. TSiklis, V. IA. Maslennikova. Dokl. AN SSSR 157 no. 2:426-429 Jl '64.

Reply to the article by I. A. Ostrovskii "Impossibility of the limited mutual solubility of gases." I. R. Krichevskii, D. S. TSiklis. Zhur. fiz. khim. 37 no. 4:945-947 Ap '63.

Solubility in the system urea - phosphoric acid - water. I. M. Kaganskii and others. Zhur. prikl. khim. 37 no. 5:1111-1116 My '64.

Solubility of gypsum in aqueous solutions of salting-out agents. K. T. Dudnikova, O. IA. Samoilov. Radiokhimiia 5 no. 6:683-686 '63.

Solubility of gypsum in aqueous solutions of the chlorides of lanthanum, praseodymium, neodymium, and samarium at 25°C. Z. I. Grigorovich, O. IA. Samoilov. Radiokhimiia 5 no. 6:686-690 '63.

Solubility of the nitrates, monosubstituted phosphates, and chromates of quinoline and isoquinoline in water. I. G. Belavina, M. M. Potashnikov. Zhur. prikl khim. 37 no. 5:1025-1029 My '64.

SOLUBLE GLASS

Thermal expansion of molding core sand mixtures with soluble glass. G. P. Borisov. Dop. AN URSR no. 6: 792-795 '63.

SOLUTION (CHEMISTRY)

Calculation of liquid - vapor isothermal equilibrium in ternary systems of which two components form a system with small deviations from the laws of ideal solutions. M. P. Susarev, A. N. Gorbunov. Zhur. fiz. khim. 38 no. 3:583-588 Mr '64.

Diffusion in nonideal solutions. L. I. Lisnianskii, M. F. Vuks. Zhur. fiz. khim. 38 no. 3:645-649 Mr '64.

Effect of electrical and structural inhomogeneities on the process of anodic dissolution of germanium. E. A. Efimov, I. G. Erusalimchik. Zhur. fiz. khim. 38 no. 3: 589-592 Mr '64.

Fluctuation model of a binary solution. Report No. 2. A. N. Kirgintsev. Izv. Sib. otd. AN SSSR no. 3:54-63 '62.

Kinetics of dissolution of borax in aqueous dioxane solutions. R. L. Miuller, E. S. Shreiner. Zhur. fiz. khim. 37 no. 4:875-879 Ap '63.

Refractive index as dependent on temperature and concentration for aqueous solutions of some inorganic substance. M. S. TSedrik, Ch. S. Slavinskii. Krist. zhid. no. 2:56-61 '63.

[illegible], N. V. [Kinetics of [illegible] reactions in [illegible] kikh reaktsii v [illegible] sk, Ural'skii [illegible] 33 p.

[MICROFILM]

Study of [illegible] V. I [illegible] fiz. [illegible]

SOLUTION (CHEMISTRY), EFFECT OF RADIATION ON

IA. D. Zel'vanskii, A. A. Titov, V. A Shalygin. Khim i tekh topl. i masel 9 no. 3:1-7 Mr '64.

Stabilization by anions of the oxidizing component of water radiolysis. V. A. Sharpatyi, K. G. IAnova. Zhur. fiz. khim. 37 no. 4:948-949 Ap '63.

SOLUTIONS (PHARMACY)

Comparative evaluation of the antibacterial properties of preservatives used in eye solutions (with summary in English). IU. I. Zelikson, T. S. Kondrat'eva. Apt. delo 12 no. 2:35-37 Mr-Ap '63.

SOLUTIONS, SOLID

Some properties of solid solutions on the basis of gallium phosphide. V. V. Negreskul, S. I. Radautsan. Izv. AN SSSR. Ser. fiz. 28 no. 6 1002-1006 Je '64.

Studies of solid solutions on the basis of compounds of the types $A^{III}B^{V}$ and $A^{II}B^{VI}$. A. Infutkin and others. Izv. AN SSSR. Ser. fiz. 28 no. 6:1010-1016 Je '64.

SOLUTIONS, SOLID, EFFECT OF RADIATION ON

Effect of neutron irradiation on the breakdown of metallic solid solutions. G. I. Natsvlishvili, V. S. Chikobava. Trudy Inst. fiz. AN Gruz. SSR 9:159-169 '63.

SOLVENT RED 23

Method for staining lipids with phenol-acetic Sudan III. A. S. Gordeladze Arkh. pat. 25 no. 10:54-55 '63

SOLVENTS

Reaction of peroxydicarbonates with solvents catalyzed by ferrous chloride. Direct introduction of cyclohexyloxycarboxy groups into aromatic rings. G A. Razuvaev, N. A. Kartashova, L. S. Boguslavskaia Zhur. ob. khim. 34 no 6:2093-2094 Je '64.

Thermodynamic properties of electrolytes in nonaqueous solutions. Part 13. N. A. Izmailov, L. L Spivak Zhur. fiz. khim. 36 no. 6:1158-1163 Je '62.

Thermodynamic properties of nonaqueous electrolyte solutions. Part 14. N. A. Izmailov, V. S. Chernyi, L. L. Spivak. Zhur. fiz. khim. 37 no. 4:822-828 Ap '63.

SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-

A. Solzhenitsyn's story "For the good of the cause." Nov. mir 39 no. 10:193-198 O '63

SONAR IN FISHING

Developing new Russian fish-locating devices. A A. Gan'kov Nauch.-tekh. biul. PINRO no 2/3 66-67 '62.

Kiselev, O. N., V. E. Platonov, and M. N. Shcherbino. [Fish location by hydroacoustic devices; a manual for ship captains and acousticians] Razvedka ryb gidroakusticheskimi priborami; posobie dlia sudovoditelei i akustikov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1960. 70 p.

[MICROFILM]

SOPHORA

Alkaloids of Goebelia alopecuroides. A. L. Mndzhoian, V. A. Mnatsakanian, I S. Egiazarian Izv. AN Arm. SSR. Khim. nauki 17 no 3,345-347 '64

SORBENTS

Use of mineral sorbents for the decontamination of liquid radioactive solutions. V. Gromov. Atom. energ. 17 no. 1:73-75 Jl '64.

SORGHUM

(see also subdivision under Kuban; Ukraine)

Work results on the hybridization of sorgo. B. G. Demidenko. Agrobiologiia no. 3:409-418 My-Je '64.

SOROKI REGION (MOLDAVIA)—SOIL FORMATION

Characteristics of soil formation on the bedrock of the Soroki Upland. A. F. Ursu. Izv. Mold. fil. AN SSSR no. 7:24-32 '61.

SOROKSKAYA BAY—WATER—COMPOSITION

Hydrochemical conditions in the Nyukhcha region and in Sorokskaya Bay during the summer season. P. G. Lobza. Mat. po kompl. izuch. Bel. mor. no. 2:5-16 '63.

SORPTION

Dynamics of unsteady physicochemical processes in a flow in the case of the process rate obeying the bimolecular reaction law. G. M. Panchenkov. Zhur. fiz. khim. 38 no. 3:770-773 Mr '64.

Effect of electrolytes on the absorption of dyes by radioactive precipitates of $BaSO_4$. Vikt. I. Spitsyn, V. V. Gromov. Dokl. AN SSSR 156 no. 2:427-429 My '64.

Kinetics of ion exchange processes. Part 3. G. S. Libinson, E. M. Savitskaia. Zhur. fiz. khim. 37 no. 4: 899-901 Ap '63.

Kinetics of the chemisorption of bromine by reducing absorbers. V. I. Ksenzenko, K. A. Erofeeva. Khim. prom. no. 4:260-265 Ap '64.

Sorption of gold on cation exchangers from chloride solutions and its carrier-free isolation. Van Fu-tsziun' (Wang Fu-Chün) and others. Radiokhimiia 5 no. 6:661-664 '63.

Sorption of uranium by anion exchangers from sulfuric acid solutions. I. A. Kuzin, V. P. Taushkanov. Zhur. prikl. khim. 37 no. 5:1005-1009 My '64.

exchange dynamics. Part 6 V.V Rachinskii, S.M.Rustamov. Zhur.fiz.khim. 38 no 3,664-671 Mr '64.

SORTAVALA (KARELIA)—HOSPITALS

Brief hospitalization. B.IA.Edel'shtein. Zdrav.Ros. Feder. 8 no.5;21-23 My '64

SOSINA, BERTA MOISEEVNA, 1903-

Professor Berta Moiseevna Sosina, on her 60th birthday. Vest vent.i rad 38 no.3 35 My-Je '63

SOUND

Local changes in the human EEG in response to tactile stimulation in association with sound S N.Raeva Zhur vys nerv deiat 13 no.6 963-971 N-D '63

SOUND—RECORDING AND REPRODUCTION

Efimov, E.G. [Magnetic pickup heads for sound recorders in radiobroadcasting] Magnitnye golovki dlia zvukozapisyvaiushchei apparatury v radioveshchanii. Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 42 p. [MICROFILM]

The microphone and the recording of sound. B.Meerzon. Radio no.3;45-49 Mr '64.

Sound recording with variable pitch. G.Vasil'ev. Radio no.3 43-44 Mr '64.

SOUND—SPEED

Velocity of sound in iodine solutions. G.A.Smngina, B.B.Kudriavtsev. Zhur.fiz.khim. 37 no.4;916-920 Ap '63.

SOUND WAVES

Interaction of a submerged vibrator with an unlimited medium. P.M.Alabuzhev and others. Izv.Sib.otd AN SSSR no.3;25-29 '62

Resonance due to the diffraction of a hydroacoustic wave on a system of cracks in an elastic plate. D.P. Kouzov. Prikl.mat.i mekh. 28 no 3;409-417 My-Je '64.

Studying the supercritical oscillatory mode in helium II by the method of second sound damping. R A Bablidze. Trudy Inst.fiz.AN Gruz.SSR 9;171-183 '63.

SOUTH KAZAKHSTAN PROVINCE see Chimkent Province

SOUTH KOREA see Korea, South

SOUTH OSSETIA see Ossetia, South

SOUTHEAST ASIA TREATY ORGANIZATION

American bludgeon against the peoples of Asia. A.Baturin. Komm.Vooruzh.Sil 3 no.13-76-80 Jl '63.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—ADMINISTRATIVE ECONOMIC COUNCILS

Certain legal problems of the organization and operation of the Economic Council of the Central Asian Economic Region. IU.M.Bagdasarov. Sov.gos.i, pravo 34 no.5; 31-41 My '64.

SOVIET CENTRAL ASIA—AMMONOIDEA

New Senomanian and Lower Turonian ammonites of the Placenticeras genus from Central Asia. N.P.Luppov. Trudy VSEGEI 109 142-171 '63.

SOVIET CENTRAL ASIA—COTTON—IRRIGATION

Continuous methods of irrigation organization. I.A. Sharov, M.F.Natal'chuk. Izv.TSKHA no.5;219-225 '63.

SOVIET CENTRAL ASIA—FOLK MUSIC

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut iskusstvoznaniia. [Musical folklore studies in Uzbekistan, first written records. Musical and ethnographic materials] Muzykal'naia fol'kloristika v Uzbekistane; pervye zapisi. Muzykal'no-etnograficheskie materialy [By] Avgust Eikhgorn. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 193 p.

SOVIET CENTRAL ASIA—GAS AS FUEL

Using gas as fuel in the transport industry in the Central Asian Economic Region. Gaz.prom. 7 no.12;16-19 '62.

SOVIET CENTRAL ASIA—HETEROPTERA

New and little-known true bugs (Heteroptera) from Central Asia. IU.A.Popov. Zool.zhur. 43 no.5; 695-705 '64.

SOVIET CENTRAL ASIA—HISTORY

"Collected works in five volumes" by Ch.Ch.Valikhanov. Reviewd by E.A.Masanov. Ist.SSSR 8 no.1;179-181 Ja-F '64.

SOVIET CENTRAL ASIA—HYMENOPTERA, FOSSIL

New Triassic hymenopterans of Central Asia. A.P. Rasnitsyn. Paleont.zhur. no.1;88-96 '64.

SOVIET CENTRAL ASIA—LITERATURES

State of Turkestani literature Veli Zunun. Mat.i soob. Issl.otd.Inst.po izuch SSSR no.41;250-257 '63.

FIELD BRINES—MICROBIOLOGY

Biogeochemical features of the micro-organisms from the underground waters of the gas and oil fields of Central Asia. E.N.Dumova. Trudy VSEGEI 109 357-385 '63.

SOVIET CENTRAL ASIA—PHOSPHORITES

Concentration of Central Asian phosphorites. N.A. Sazonova, L.B.Metgol'd, M.A.Orel. Khim.prom. no.4,249-251 Ap '64.

SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921

Social nature of "jadidism" in Central Asia and its evolution in the period of the Great October Revolution. M G. Vakhabov Ist. SSSR 7 no 2 35-56 Mr-Ap '63.

SOVIET CENTRAL ASIA—ROCKS, SEDIMENTARY—DENSITY

Changes in the density of the sedimentary rocks of the Mesozoic and Cenozoic in the western part of Central Asia. I.Kh.IUdborovskii Trudy VSEGEI 109 263-280 '63

SOVIET FAR EAST—ATMOSPHERIC NUCLEATION

Some preliminary results of the observations of condensation nuclei in the Far East of the U.S.S.R. M.A. Beliashova. Trudy GGO no.154'11-19 '64.

SOVIET FAR EAST—BOTANY, MEDICAL

Comparative characteristics of qualitative chemical composition of Araliaceae and Umbelliferae plants of the Far East [with summary in English]. P.G.Gorovoi. Apt.delo 11 no.6'25-29 N-D '62.

SOVIET FAR EAST—CLIMATE

Characteristics of climatic changes in the Paleogene and Neogene in the Far East G.Vlasov. Dokl AN SSSR 157 no.3 589-592 Jl '64

SOVIET FAR EAST—DRAINAGE

Zonal'naia nauchno-tekhnicheskaia konferentsiia "Osushitel'nye melioratsii na Dal'nem Vostoke." 1962. [Abstracts of the reports of the Zonal Scientific Technical Conference on "Drainage Improvement in the Far East"] Tezisy dokladov. Khabarovsk, Ispolkom Khabarovskogo kraevogo Soveta deputatov trudiashchikhsia, 1962. 61 p. [MICROFILM]

SOVIET FAR EAST—GEOGRAPHY—BIBLIOGRAPHY

Geograficheskoe obshchestvo SSSR. Priamurskii (Khabarovskii) filial. [Khabarovsk Territory, the Far East; index of works of the Amur Branch of the Geographical Society of the U.S.S.R] Khabarovskii krai, Dal'nii Vostok; ukazatel' trudov Priamurskogo filiala Geograficheskogo obshchestva SSSR, 1957-1961 g. Khabarovsk, 1962. 23 p. [MICROFILM]

SOVIET FAR EAST—GEOGRAPHY—CONGRESSES

Problems concerning the geography of the eastern districts of the U.S.S.R., results of the Second Conference of the Geographers of Siberia and the Far East. V.V.Vorob'ev. Izv.SO AN SSSR no.9.Ser. obshchestv.nauk no.3;87-88 '63.

SOVIET FAR EAST—HISTORY

Dal'nevostochnaia nauchnaia konferentsiia po istorii, arkheologii i etnografii, 3d, Vladivostok, 1962. [Problems in the history of the Soviet Far East, materials] Voprosy istorii sovetskogo Dal'nego Vostoka; materialy. Vladivostok, Akad.nauk SSSR Sibirskoe otd-nie.
Book 1. 1963. 159 p.

SOVIET FAR EAST—HISTORY—CONGRESSES

The Third Conference of Historians in the Far East. I.I.Komogortsev. Izv.SO AN SSSR no.9.Ser.obshchestv.nauk no.3;86 '63.

SOVIET FAR EAST—LONGEVITY

Life span of the population of Siberia and the Far East. E.M.Levitskii. Izv.Sib.otd.AN SSSR no.8;3-9 '62.

SOVIET FAR EAST—PARASITES—DEER

Biology of Dicrocoelium dentriticum under the conditions of the state deer farms of the Far East. D.A.Ovcharenko. Vest.LGU 19 no.9;35-39 '64.

SOVIET FAR EAST—PETROLOGY

Upper Paleozoic and Lower Mesozoic granitoids in the northeastern margin of the Bureya Massif V.K.Putintsev, G A.Il'inskii Trudy VSEGEI 81;157-167 '63.

SOVIET FAR EAST—PLANTS—CHEMICAL ANALYSIS

Comparative characteristics of qualitative chemical composition of Araliaceae and Umbelliferae plants of the Far East [with summary in English]. P.G.Gorovoi. Apt.delo 11 no.6;25-29 N-D '62.

SOVIET FAR EAST—RAILROADS—ELECTRIFICATION

Electrification of the first section of a railroad line in the Soviet Far East. A.N.Savenko. Transp.stroi 13 no.12;11-13 D '63.

SOVIET FAR EAST—REVOLUTION, 1917-1921

Continuation of biographies. A.Baklanov. Komm.Vooruzh.Sil 4 no.10;53-65 My '64.

SOVIET FAR EAST—SOIL RESEARCH

Results achieved and future problems in soil research in Siberia and the Far East. K.P.Gorshenin, R V. Kovalev. Izv.Sib.otd.AN SSSR no 6'78-87 '62.

SOVIET FAR EAST—SOYBEAN

Structure of embryo and seedling of the wild and cultivated soybean of the Far East. G.I.Voroshilova. Vest.LGU 19 no.9;45-51 '64.

SOVIET FAR EAST—TREMATODA

Biology of Dicrocoelium dentriticum under the conditions of the state deer farms of the Far East. D.A.Ovcharenko. Vest.LGU 19 no.9;35-39 '64.

SOVIET UNION see Russia

SOVIETS

(see also subdivision under Europe, Eastern; Georgia)

Community participation in cultural and educational work of local soviets. M.P.Bannykh. Sov.gos.i. pravo 34 no.5;117-122 My '64.

SOWS

Effect of preserved sperm and the frequency of artificial insemination on the fertilizability and fertility of brood sows V A Akatov and others. Zap Vor sel'khoz inst 17 no 2 115-119 '62

Fertilizability and fertility of brood sows artificially inseminated on a farm affected by brucellosis V A Akatov and others Zap Vor sel'khoz inst 17 no 2 121-122 '62.

SOYBEAN see subdivision under Alma-Ata Province, Soviet Far East

SOZH VALLEY—CHALK

Mechanical properties of the marl-chalk rocks in the southeastern part of the White Russian S S. R (Sozh Basin) I L.Dzilna Vestsi AN BSSR Ser fiz -tekh. nav no 1 83-89 '64

SOZH VALLEY—MARL

Mechanical properties of the marl-chalk rocks in the southeastern part of the White Russian S S R. (Sozh Basin) I L.Dzilna Vestsi AN BSSR Ser fiz -tekh nav no.1 83-89 '64

SPACE BIOLOGY

Some results and problems in the field of cosmic radiobiology. P P Saksonov, V.V Antipov, N N.Dobrov. Vest AMN SSSR 18 no.6 13-20 '63

SPACE FLIGHT

Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriate dietary regimen. N.S.Zaiko, M.I.Kuznetsov, N.A.Chelnokova. Biul.eksp.biol.i med. 56 no.8;11-13 Ag '63.

The second life of a heroic deed A.Kochkurov. Av.i kosm. 47 no 6 66-67 Je '64.

Some results and problems in the field of cosmic radiobiology P P Saksonov, V V Antipov, N.N Dobrov Vest AMN SSSR 18 no.6 13-20 '63.

[Space research] Ref.zhur.; Issl.kosm.prostr. nos.6-7 Je-Jl '64.

A year on terrestrial orbits. V.Bykovskii, V.Nikolaeva-Tereshkova Av.i kosm 47 no.6 57-62 Je '64.

SPACE FLIGHT TRAINING

Substitutes remain on earth. Av.i kosm. 47 no.6,63-65 Je '64.

SPACE LAW

Outer space and international relations. I.Vanin Mir ekon.i mezhdunar otn no.6;15-25 '64

SPACE TRAJECTORIES

Optimal trajectories and optimal parameters of cosmic apparatus with motors of limited power. IU.N.Ivanov, V.V.Tokarev, IU.V.Shalaev. Kosm.issl. 2 no.3; 414-432 My-Je '64.

Trajectories of cosmic flights with a constant vector of rocket acceleration. V.V.Beletskii. Kosm.issl. 2 no.3;408-413 My-Je '64.

Use of the steepest descent method in the calculation of interorbital trajectories in the case of motors of limited power. IU.N.Ivanov, IU.V.Shalaev. Kosm. issl. 2 no.3;433-440 My-Je '64.

SPACE VEHICLES

Exchangeability of atmospheric nitrogen by helium in cabins of cosmic vehicles and the efficiency of a helium - oxygen mixture in the ventilation of space suits. A.G.Dianov. Kosm.issl. 2 no.3;498-503 My-Je '64.

Into space from an airplane. E.Rozhkov. Av.i kosm. 47 no.7;15-18 Jl '64.

SPACE VEHICLES—GUIDANCE SYSTEMS

Orientation of a spaceship flying toward the moon. N.Listvin. Av.i kosm. 46 no.5;80-85 My '64.

SPACES, GENERALIZED

Riemann spaces with a reducible isotropy group. IA Shapiro, T.Temirov Dokl.AN SSSR 157 no.3;539-541 Jl '64.

SPACES, GENERALIZED (Continued)

Similitude theorem for R_n surfaces in Riemannian R_m space. V.S.Sobchuk. Ukr.mat.zhur. 16 no.3:413-417 '64.

Solvability in $W_2^{(2)}$ of the Dirichlet problem for a region having a smooth irregular boundary V.G.Maz'ia. Vest LGU 19 no.7 163-165 '64

Theory of curves in Minkowski space. B.Frank Vest. LGU 19 no.7.46-56 '64.

SPACESHIPS

On the spaceship "Vostok" F Vazhin Av.i kosm 46 no.5:63-70 My '64.

SPAIN—CIVIL WAR, 1936-1939

Meshcheriakov, M.T. [The battle for freedom; the national-revolutionary war of the Spanish people in 1936-1939] Bitva za svobodu; natsional'no-revoliutsionnaia voina ispanskogo naroda v 1936-1939 godakh. Moskva, Politizdat, 1964. 61 p. (Shkol'naia bibliotechka po noveishei istorii)

SPAIN—FOREIGN RELATIONS—FRANCE

Franco's "big maneuvers." Eusebio Cimorra. Nov. vrem. 21 no.28:18-19 Jl '64.

SPANISH AMERICA see Latin America

SPECIES

The problem of species in biological science; in connection with K. M. Zavadskii's book "Theory of species." R. E. Levina. Vest. LGU 19 no.9:131-134 '64.

SPECIFIC GRAVITY—MEASUREMENT

Specific weight gauges. B.E.Razborov. Mash.i neft. obor. no.11:19-22 '63.

SPECIFIC HEAT see Heat capacity

SPECTROGRAPHY

Spectrographic investigation of petroleum sols obtained from the menilite series of the Dolina field V A Kraiushkin, S.B Kazakov, V I Andrusechko Neftegaz.geol i geofiz. no 4 58-62 '63.

SPECTROPHOTOMETRY

Apparatus with a vacuum monochromator for studying optical excitation functions [with summary in English]. I.P.Zapesochnyi and others. Ukr.fiz.zhur. 9 no.2: 196-206 F '64.

Photocytometric study by the ultraviolet ray method of the effect of starvation on RNA and DNA content in Paramecium caudatum. L.P.Ovchinnikova, G.V.Selivanova, E.M.Kheisin. Sbor.rab.Inst.tsit. no.3:44-53 '63.

Spectrophotometric study of ascorbinate complexes. K.P.Stoliarov, I A Amantova Vest LGU 19 no.10 113-122 '64.

Statistical analysis of the densimetric properties of the color image in motion-pictures. N.P Adashev, IU.N Gorokhovskii. Usp.nauch.fot 8.134-135 '62

SPECTRUM, INFRARED

Application of infrared spectroscopy for the study of the reaction of water with the surface of aluminum oxide. A.V.Uvarov. Zhur.fiz.khim. 36 no.6: 1346-1349 Je '62.

Dissociation of tetracyclines studied by means of infrared spectroscopy. K K.Kalnin'sh, B.G.Belen'kii. Dokl AN SSSR 157 no.3:619-621 Jl '64.

Infrared spectra and structure of complex compounds of unranyl nitrate with cesium and pyridinium nitrates. A.A Lipovskii, M.G.Kuzina. Radiokhimiia 5 no.6: 668-674 '63.

Radiative capacity of water in the infrared spectral region. M.A.Bramson, I.L.Zel'manovich, G.I. Kuleshova Trudy GGO no.152:31-67 '64.

Type GIP5-L1 and GIP5-L2 infrared absorption gas analyzers. M.I.Bilenko and others. Khim.prom. [Ukr.] no.1:51-53 Ja-Mr '63

SPECTRUM, ULTRAVIOLET

Heats of formation, dipole moments, and ultraviolet spectra of the molecular compounds of iodine with organic sulfides. I.G.Arzamanova, E.N.Gur'ianova. Dokl.AN SSSR 157 no.2:375-377 Jl '64.

SPECTRUM ANALYSIS

Akademiia nauk SSSR. Institut khimicheskoi fiziki. [Atlas of electron paramagnetic resonance spectra] Atlas spektrov elektronnogo paramagnitnogo rezonansa. Moskva, Izd-vo "Nauka."
No.2. [Theoretically calculated symmetrical spectra with a complex hyperfine structure] Teoreticheskie rasschitannye simmetrichnye spektry so slozhnoi sverkhtonkoi strukturoi. 1964. 197 p.

Apparatus for mixing samples for the spectral analysis. V.IA.Shvartsman. Khim prom [Ukr.] no.1:68-69 Ja-Mr '63.

Effect of an electric fields on the radiation intensity of elements in a flame. N.S.Poluektov, L.A.Ovchar. Zhur.fiz.khim. 37 no.4:817-821 Ap '63.

Experience with the use of the method of emission spectrum analysis for the determination of relative magnesium concentrations in bacterial cultures. G.P.Petrova, M.A.Nemoitin. Biofizika 8 no.6:731-735 '63.

Lizogub, A.P. [Spectrum analysis in organic chemistry] Spektral'nyi analiz v organicheskoi khimii. Kiev, Izd-vo "Tekhnika," 1964. 231 p.

Mechanism of interaction between benzoyl peroxide and dimethylaniline as studied by spectral methods S D S'avrova, G.V Peregudov, M F Margaritova Dokl AN SSSR 157 no 3 636-638 Jl '64

Microstructure measurements by the method of small angles K.S.Shifrin, V.I.Golikov Trudy GGO no.152 3-15 '64.

[Spectrum analysis in Leningrad industries; from the practices of some spectrum analysis laboratories] Spektral'nyi analiz v Leningradskoi promyshlennosti; iz opyta raboty nekotorykh spektral'nykh laboratorii. Leningrad, 1963. 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy)

Strontium content of food products in the Turkmen S.S.R. according to spectrum analysis N N Grigor'iants. Vop.pit 22 no.6:63-65 N-D '63.

SPECTRUM ANALYSIS—EQUIPMENT AND SUPPLIES

Antropov, N.P., and G.I Kibisov. [New stand with electrode holders for emission spectrum analysis] Novyi shtativ s derzhateliami elektrodov dlia emissionnogo spektral'nogo analiza. Leningrad, 1964. 6 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Kontrol' kachestva produktsii)

SPESSARTITE see subdivision under Altai Mountains

SPHAGNUM see subdivision under Ukraine

SPHYGMOMETRY

Diagnosis of atherosclerosis of the aorta by the piezosphygmographic method. B.S.Matsaberidze. Trudy Inst.klin.i eksper.kard.AN Gruz SSR 8:61-65 '63.

SPIDERS—IDENTIFICATION

Kalinin. Pedagogicheskii institut. [Methodological information for determining the species of fishes, amphibians, leeches and spider families, a guide for the school teacher] Metodicheskie ukazaniia dlia opredeleniia vidov ryb, zemnovodnykh, presmykaiushchikhsia, piiavok i semeistv paukov; v pomoshch' uchiteliu shkoly. Kalinin.
No.1. 1962. 31 p.
[MICROFILM]

SPILLWAYS

Determination of depth on a spillway with wide threshold. I.V.Filippovich. Izv.vys.ucheb.zav., energ. 7 no.5: 61-65 My '64.

SPINA BIFIDA

Treatment of cystic forms of cleft spine. M.G. Lordkipanidze. Soob.AN Gruz SSR 31 no.2:489-493 Ag '63.

SPINAL CORD

Electric phenomena in the spinal cord following the general inhibition caused by the stimulation of dorsal roots R.P Kashakashvili Soob AN Gruz SSR 31 no 3 715-722 S '63

SPINAL CORD—DISEASES

Limited spinal epiduritis as a cause of lumbosacral radiculitis. IA.K.Ass. Zhur.nevr.i psikh. 64 no.5 712-717 '64.

SPINAL CORD—HYDATIDS

Echinococcosis of the central nervous system
Golysh Uch.zap Stavr gos.med.inst 9 1
'63.

SPINAL CORD—WOUNDS AND INJURIES

Mechanism of hysteriosis. Report No.2:
ment of hysteriosis following a transverse
the spinal cord. N.N.Poliakova. Nerv.s
73 '62.

SPINE—ABNORMITIES AND DEFORMITIES

Let's keep an eye on students' posture. V.
Nar.obr. no.7:67-69 Jl '64.

Movshovich, I.A. [Scoliosis; surgical anat
genesis] Skolioz; khirurgicheskaia anatom
nez. Moskva, Meditsina, 1964. 254 p.
(DNLM)

Screens and beds from vinyl plastics in the
scoliosis in children. Z.A Liandres. Ot
i protez. 24 no.12:55-56 D '63.

SPINE—DISEASES

Review of I.L.Klioner's book "Senile and d
changes in the joints and spine." S.L.Fi
Ortop., travm.i protez. 24 no.12:80-82

Symptom of local arthrosis in the diagnosis
pseudospondylolisthesis. I.S.Mazo. Ves
38 no.3:17-20 My-Je '63.

SPINE—HYDATIDS

Echinococcosis of the spine and a rib simul
ic cyst of the right lung and the posterior
M.S Makarov, N.V.Volochenko. Uch.za
med inst. 8:226-231 '63.

SPINE—PUNCTURE

Effect of lumbar puncture on body temperature. A.A. Mindadze. Soob.AN Gruz.SSR 31 no.1.207-214 Jl '63.

SPINE—RADIOGRAPHY

Symptom of local arthrosis in the diagnosis of so-called pseudospondylolisthesis I.S.Mazo Vest.rent i rad 38 no 3 17-20 My-Je '63

SPINE—SURGERY

Clinical aspects and results of surgical treatment in intervertebral disk hernia B N Esperov Zhur nevr i psikh 64 no 5 694-700 '64

SPINE—TUBERCULOSIS

Further data on so-called Calve's disease V.P Gratsianskii. Vest rent i rad. 38 no 3 8-13 My-Je '63

SPINNING MACHINERY

Manufacture of mixed lavsan-viscose fibers on cotton spinning machinery. B.I.Sokolov. Leh.prom. no 2: 12-15 Ap-Je '64.

SPINNING MACHINERY—CLEANING

Attachment for cleaning the spindles of spinning machine press rollers. V.O.Panov, L M.Smyshliaev, B.E. Babadzhanov. Leh.prom no 2:35-36 Ap-Je '64.

SPINOR ANALYSIS

Fundamental formula for an n-dimensional real spinor and an algebraic model of quantized wave fields. G.A.Zaitsev Dokl.AN SSSR 156 no.2 294-297 My '64.

SPIRAL MILLING

Effect of the position of the cutter axis relative to the screw on the profile of screw surfaces of screw pumps and on the formation of transition curves. V F. Chornyi. Izv.vys.ucheb.zav., mashinostr. no.3 158-163 '64

SPIROSCOPY

Separate bronchospirometry in lung cancer patients. N.D.Martin. Vop.onk. 10 no 2:14-24 '64.

SPITSYN, VIKTOR IVANOVICH, 1902-

Academician Viktor Ivanovich Spitsyn; on his 60th birthday I.M.Kuleshov Zhur.fiz.khim. 36 no.6:1395-1396 Je '62.

SPLANCHNIC NERVES see Nerves, Splanchnic

SPLEEN

Effect of whole-body X-ray irradiation on the nucleotide composition of DNA in the spleen and small intestines of rats. V.E Komar. Radiobiologiia 3 no.6 815-819 '63.

Geller, L.I. [Physiology and pathology of the spleen; the role of the spleen in the blood system, its correlation with the liver and some endocrine glands] Fiziologiia i patologiia selezenki; rol' selezenki v sisteme krovi, korreliatsii ee s pechen'iu i nekotorymi zhelezami vnutrennei sekretsii. Moskva, Meditsina, 1964. 160 p.
(DNLM)

SPLEEN—HYDATIDS

Echinococcosis of the spleen. I.T.Shmat'ko, A.S. Shelegeda. Uch.zap.Stavr gos.med inst 8 111-118 '63

SPLEEN—SURGERY

[illegible]

[illegible] Te [illegible]

[illegible] [Materials of the First [illegible]] [illegible] Kormakov [illegible] 76 p.

[illegible]

[illegible] Te [illegible]

SPORTS STORIES

[illegible] [Plus sports, essays] Plius sport, ocherki. Moskva, [illegible] 1964. 232 p

SPRAYING AND DUSTING EQUIPMENT
(see also subdivision under Moldavia, Saratov Province, Vologda Province)

[illegible] sprayer. V V F[illegible]. Zashch rast ot vred i bol 9 no 6 23 [illegible] '64

SPRAYING AND DUSTING IN AGRICULTURE
(see also subdivision under Latvia, Moldavia, Virgin Territory)

[illegible] generator in small [illegible] sprinkling. M IA [illegible] Zashch rast ot vred i bol 9 [illegible] '64

[illegible] Zashch rast ot [illegible] '64

[illegible] the chemical and machinery manufacturers [illegible] Zashch rast ot vred i bol 9 no 6 4 [illegible] '64

F[illegible] chemicals for collective farm orchards and [illegible] A D Fratkin Zashch rast ot vred i bol 9 no 6 34 '64

Small volume blower-type spraying of field crops. S.F. Fr[illegible] Zashch rast ot vred.i bol 9 no.6: 2[illegible] 27 '64

SPRAYING AND DUSTING IN FORESTRY

Less expensive than spraying. M G.Kovtun. Zashch rast ot vred i bol 9 no 6 10 '64.

SPRING

[illegible] T [illegible] T V S[illegible]chenko [illegible] 12 '64

SPRINGS (MECHANISM)

[illegible] coiling. A.I.Lysak. Mashinostroenie no.1 4-7 Ja-F '64.

Using high-frequency currents in spring coiling. D.A. [illegible], F.V.Stepanets. Mashinostroenie no.1 [illegible] Ja-F '64.

Zubov, V. IA., and S.V. Grachev. [Structure and properties of steel spring bands] Struktura i svoistva stal'noi pruzhinnoi lenty. Moskva, Izd-vo "Metallurgiia," 1964. 223 p.

SPRINKLER IRRIGATION

Some parameters of the effectiveness of sprinkler irrigation. O.G S[illegible], D S.Abaishvili. Trudy Inst. energ AN Gruz.SSR 17:195-200 '63.

SPRINKLERS

Spr[illegible] H M Lebedev. Trakt i sel'khozmash [illegible] 21 Je '63

SPRUCE see subdivision under Alma-Ata Province; Archangel Province, Georgia

STAINS AND STAINING (MICROSCOPY)

Histochemical method of detecting keratin by using an [illegible] of basic brown. M G.Shubich. Arkh. anat., gist. i embr. 44 no.6 114-116 Je '63.

Method for staining lipids with phenol-acetic Sudan III. A. S. Gvrdzeladze Arkh pat. 45 no.10 54-55 '63.

Methods of staining the embryos of the green oak leaf roller *Tortrix viridana* L. N. N. Rubtsova. Zool. zhur. 42 no.12 1880-1881 '63.

STALINGRAD see Volgograd

STALINGRAD PROVINCE see Volgograd Province

STALLIONS

Changes in the morphological composition of the peripheral blood in connection with the castration of stallions. O A Pal'sakova Zap Vor sel'khoz inst 17 no.2 277-2[illegible]3 '62

STANDARDIZATION

[Index of state standards for 1964; in effect as of January 1, 1964] Ukazatel' Gosudarstvennykh standartov 1964; po sostoianiiu na 1 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 607 p.

[illegible] "Standards of the U.S.S.R." P P Arapov, M.A. Sirotin Izm tekh no 4 6-10 Ap '64

STANDARDIZATION—INFORMATION SERVICES

Developing a unified national system of standard information data. V V Kuz'min Izm tekh. no.4 11-12 Ap '64

Fundamentals of the organization of a national system of standard information data. V.O.Arutiunov and others. Izm.tekh. no.5:1-5 My '64.

STANDARDS, ENGINEERING

[Information index of standards] Inform. ukaz. stand. 25 nos 4-5 '64.

STANDPIPES

Universal nozzle for the hoses of discharge standpipes. I G Shapovalov Transp. i khran. nefti i nefteprod. no 4 37 '64.

STAPHYLOCOCCUS

Use of a microanaerostat for the growing of staphylococci under conditions of increased concentration of carbonic acid IU V Diachenko Lab delo no.6 369-370 '64.

STARCH

Dynamics of the accumulation of starch in the shoots and roots of an apple tree as related to the winter hardiness and grafting compatibility in Transbaikalia. I F Gavrisheva. Agrobiologiia no.3:432-436 My-Je '64

STARK EFFECT

Calculating the Stark effect in the hydrogen atom. M.N. Adamov, V K Kagan T.K Rebane. Vest. LGU 19 no 10 31-33 '64

STAROBEL'SK DISTRICT—DRUGSTORES

Pay constant attention to local pharmacies V M. Liashenko Farmatsev zhur 18 no 4 88-91 '63

STARS—DISTRIBUTION

Distribution of the stars of specific spectral classes within the Milky Way. V.O.Smyrnov. Pratsi Od.un. 150 Zbir.stud.rob. no.6:87-91 '60.

STARS—SPECTRA

Spectral pattern O III used in calculating the recombination spectrum of stars and nebulae. Part 1. A.A. Nikitin. Vest LGU 19 no.7 130-143 '64.

STARVATION

The plasma-nucleus ratio in the cells of various tissues of vertebrates under the conditions of normal nutrition and in starvation. K G. Vibe Trudy TSel. sel'khoz. inst 1.101-118 '63

Some destructive and regenerative processes in the liver following starvation. T.A.Zaletaeva. Biul.eksp. biol.i med. 56 no.8:112-115 Ag '63.

STATE, THE

Moscow. Universitet. Kafedra teorii gosudarstva i prava. [Certain social-reformist concepts of the state] *O nekotorykh sotsial-reformistskikh kontseptsiiakh gosudarstva.* [Moskva] Izd-vo Mosk. univ., 1964. 128 p.

STATE FARMS see subdivision under Kharabali (Astrakhan Province); Yaroslavl

STATE FARMS—*ACCOUNTING* see subdivision under Lithuania

STATE FARMS—AUDITING AND INSPECTION see subdivision under Rostov Province; Tambov Province

STATE FARMS—FINANCE see subdivision under Tambov Province

STATE FARMS—MANAGEMENT
(see also subdivision under Armenia; Estonia)

A beacon shines in the Virgin Territory. N. Khvan. Ekon. sel'khoz. 35 no.1.48-53 *Ja '64.*

Smirnov, I. A. [Analysis of the administrative operations of a state farm; a methodological aid for practical studies] *Analiz khoziaistvennoi deiatel'nosti sovkhoza; metodicheskoe posobie dlia prakticheskikh zaniatii studentov.* Pod red. S. G. Kolesneva. Moskva, Mosk. ordena Lenina sel'khoz. akademiia im K. A. Timiriazeva, 1963. 90 p.

Useful seminar. A. Rumiantseva. Ekon. sel'khoz 34 no.12.115-116 D '63.

STATICS

Leningrad. Universitet. Otdel zaochnogo obucheniia. Matematiko-mekhanicheskii fakul'tet. [Statics, methodological instructions No. 1 in the course of theoretical mechanics for second-year students] Statika; metodicheskie ukazaniia No. 1 po kursu teoreticheskoi mekhaniki dlia studentov II kursa. [Leningrad] 1964. 20 p.

STATISTICAL ASTRONOMY

Statistical method *for detecting* multiple star systems. B. I. Fesenko. Vest. LGU 19 no.7:144-148 '64.

STATISTICS—GRAPHIC METHODS

Svoboda, Emanuel. [Graphic control in communication enterprises. *Translated* from the Czech] Graficheskii kontrol' na predpriiatiiakh sviazi. Moskva, Sviaz'izdat, 1961. 110 p.

***STAVROPOL TERRITORY—COLLECTIVE FARMS—*FINANCE**

Working capital of collective farms. G. Ugliaulie[illegible], I. Artemenko. Den. i kred. 22 no.6:56-[illegible] Je '64

STAVROPOL TERRITORY—CONSTRUCTION INDUSTRY

New developments in the organizations of rural construction. B Kovler. Sel'.stroi 18 no.10:12-13 O '64

STAVROPOL TERRITORY—FINANCE

A year of work under the new conditions. S [illegible] SSSR 38 no.7:62-66 Jl '64.

STAVROPOL TERRITORY—GRAIN HANDLING

Struggling for the title of enterprise of communist labor. P. Shashurin, P. Boiko, V. Latyshev. Muk.-elev. prom. 30 no.4,3-6 Ap '64.

STAVROPOL TERRITORY—RADIOLOGY, MEDICAL—STUDY AND TEACHING

Experience in training physicians-roentgenologists in the Stavropol Territory I. Z. Sirota. Vest. rent i rad 38 no 3 83-84 My-Je '63

STAVROPOL TERRITORY—RURAL CONSTRUCTION

New developments in the organizations of rural construction. B. Kovler. Sel'.stroi. 10 no.10:12-13 O '64

STEAM—THERMAL PROPERTIES

Experimental study of the enthalpy of steam. M P. Vukalovich, V N. Zubarev, P O. Prusakov Teploenergetika 10 no 10:63-66 O '63.

Heat transmission of steam in near-critical and supercritical states Kh. I. Amirkhanov, A. P Adamov Teploenergetika 10 no 10 69-72 O '63

I-s diagram for water vapor at low temperatures and pressures. G A. Mukhachev, V. A. Borodin, M A Poskonin Teploenergetika 10 no. 10:90-92 O '63

STEAM BOILERS see Boilers

STEAM ENGINES

Artamonov, M. D., and IU. V. Mikhailovskii. [The locomobile and diesel engine in lumbering] Lokomobil' i dizel' v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 263 p.

STEAM TURBINES

Choice of steam turbine types for prospective heat and electric power plants. A. A. Makarov. Izv. vys. ucheb. zav.; energ. 5 no.8:118-122 Ag '62.

Efficiency of high-pressure turbines manufactured by the Leningrad Metalworking Plant (22d Congress of the CPSU) A. S. Zil'berman, A. V. Lovin. Teploenergetika 10 no. 10:2-10 O '63.

Increase in the operational efficiency of PT-25-90 and T-25-90 turbines. N. P. Volkov, A. M. Leonkov, G I Khutskii. Izv. vys. ucheb. zav.; energ. 5 no.8:83 [illegible] Ag '62.

Significance of the boosting of the initial parameters of the steam in heat and electric power plants. M. M Khazen. Trudy MIIT no.179:129-135 '64.

Study of the performance of metal and the construction of the gland when starting a R-100-300 KhTGZ steam turbine. E. I Borovskii, S. I. Ostrovskii, E. S Ginzburg Teploenergetika 10 no.10:13-18 O '63.

Study of turbine stages with annular diffusers. M E Deich, G. A Filippov. Teploenergetika 10 no. 10 18-23 O '63.

STEAM TURBINES—WELDING

Restoration of the rotor of a steam turbine using automatic built-up welding in a jet of liquid. I E. Bandurov, M. A. Rudenko. Energetik 12 no 4 5-7 Ap '64

STEAMPIPES

Critical heat flow in annular channels. V. I. Subbotin, B. A Zenkevich, G. V. Alekseev. Teploenergetika 10 *no. 10:72-76 O '63.*

Deposition *of readily* soluble salts on the walls of steam generating pipes. I. G. Druker. PMTF no.6:157-160 N-D '63.

STEARIC ACID

Nature of the molecular *compound* in the system stearic acid - palmitic acid. L. B. Berezhiani. Soob. AN Gruz. SSR 31 no.1:45-52 Jl '63.

STEEL

Changes in the dislocation structure of steel by deformation in the presence of surface-active substances E. I Kostetskii, L. F. Kolesnichenko. Dokl. AN SSSR 157 no. 3:574-576 Jl '64.

Improving plastic properties of 35KhNM-*steel*. *IU. N.* [illegible] Mashinostroenie [illegible] 4.

[illegible] grade of [illegible] IU M K[illegible], P F. Zhunev. [illegible]

[illegible] the equipment of petroleum [illegible] Mash. i neft. obor. [illegible]

STEEL—CORROSION

Depolarization role of some sulfate reducing and saprophyte bacteria in the electrochemical corrosion of stainless and carbon steels L. A Rozenberg. Trudy Inst. okean. 70·231-245 '63.

Effect of sodium nitrite on the corrosion of low-carbon steel at varying rates of its motion in seawater. P. S. Shcherbakov. Zhur fiz khim 36 no. 6·1360-1363 Je '62.

Influence of algae on the corrosion of carbon steel in sea water and the effect of ultrasonic vibrations on the intensity of photosynthesis of algae. I B Ulanovskii, A. D. Gerasimenko. Trudy Inst okean. 70·246-251 '63

STEEL—DEFECTS

Top boundary temperature of flake occurrence in steel IU V Grdina, L B Krepysheva Izv vys ucheb zav , chern met 7 no 6 125-129 '64

STEEL—ELECTRIC PROPERTIES

Determination of losses in steel beams in a magnetic field of a single-phase current conductor using temperature measurements of their heating. IU. G. Rumiantsev. Izv. vys. ucheb. zav.; energ. 5 no. 8:101-104 Ag '62.

STEEL—FATIGUE

Experimental investigation of the effect of alternating overloads on fatigue strength and durability with and without stress concentrations Report No 1 V. M Grebenik, V. Γ Kucherenko Izv vys ucheb zav., chern met 7 no 6 199-206 '64

STEEL—HARDENING

Effect of aluminum, copper, and carbon on carbide formation processes and graphitization during the quenching of hardened steels B A. Apaev, S N Krasotskaia, B. M IAkovlev Izv vys ucheb. zav , chern met 7 no 6 130-138 '64

Hardenability of 45 steel quenched in oil. V. B. Umanskii. Stan. i instr. 35 no. 5:39 My '64

Hardening of austenitic-ferritic steel with the formation of a nonmagnetic structure. M. B. Pridantsev, F. L Levin Izv. AN SSSR. Met. i gor delo no. 3,131-137 My-Je '64.

Kachanov, N. N. [Hardenability of steel] Prokalivaemost' stali. Moskva, Izd-vo "Metallurgiia," 1964. 250 p.

Shashin, M. IA. [Effect of a hardened layer on increasing the durability of machine parts] Vliianie uprochnennogo sloia na povyshenie dolgovechnosti detalei mashin. Leningrad, 1964. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi nauchno-tekhnicheskii opyt. Seriia: Metallovedenie i termicheskaia obrabotka, no. 2)

Technology of the thermomechanical hardening of steel during rolling and extrusion IU. N Kabanov and others. Metalloved. i term. obr. met. no. 2:55-58 F '64.

STEEL—HEAT TREATMENT

Heat treatment of 22K steel. V. T. Svishchenko. Metalloved. i term. obr. met. no. 6.45 Je '64.

High-frequency induction hardening of small steel components. G. A. Speranskii, V. F. Biziaev. Trudy NIITVCH no. 1/2 101-115 '60.

Investigating the decarburizing effect of medium temperature salt baths. E. A. Smol'nikov. Metalloved. i term obr. met. no. 2:44-48 F '64.

Investigating the process of tempering hardened carbon steels. IA. I. Kagan, S. V. Bronin, I. IA. Sidorenko. Metalloved. i term. obr. met. no. 2:29-30 F '64

Study of chemical and thermal processes in the treatment of steel components with high-frequency induction heating M. M. Zamiatnin, T. A. Balueva. Trudy NIITVCH no. 1/2 116-126 '60

STEEL—HYDROGEN CONTENT

Reducing hydrogen content in steel articles reserved for electroplating. G. D. Vol'pert. Vest. mashinostr. 44 no. 2:27-29 F '64.

STEEL—INCLUSIONS

Formation and removal of nonmetallic inclusions during the refining of steel with liquid, synthetic slag. A. G. Shalimov. Izv. AN SSSR. Met. i gor. delo no. 3:69-81 My-Je '64.

STEEL—MAGNETIC PROPERTIES

Hardening of austenitic-ferritic steel with the formation of a nonmagnetic structure. M. B. Pridantsev, F. L. Levin. Izv. AN SSSR. Met. i gor. delo no. 3:131-137 My-Je '64.

STEEL—METALLOGRAPHY

Diffusion of cementite during the electric heating of carbon steel. V. Belotskii. Metalloved. i term. obr. met. no. 2:41-43 F '64.

Effect of size and shape of cementite particles on the structure and properties of steel following deformation. V. M. Kardonskii, G. V. Kurdiumov, M. D. Perkas. Metalloved. i term. obr. met. no. 2:2-8 F '64.

Nonuniform carbon distribution and form of the separation of cementite in transition layers of the steel-bronze diffusion couple. E. P. Ponomarenko, G. I. Vasilenko. Izv vys. ucheb. zav., chern. met. 7 no. 6·117-124 '64.

Redistribution of carbon determined by the microliquation of silicon in steels and cast irons. IA N. Malinochka Izv AN SSSR. Met i gor delo no. 3:125-130 My-Je '64

Zubov, V. IA., and S. V. Grachev. [Structure and properties of steel spring bands] Struktura i svoistva stal'noi pruzhinnoi lenty. Moskva, Izd-vo "Metallurgiia," 1964. 223 p.

STEEL—METALLURGY

Changes in metal temperature during deoxidation and alloying V S Konovalov Izv vys ucheb zav , chern met 7 no 6 47-51 '64

Effect of rare-earth elements on the structure of steel A. S. Zac'ialov, M. M Sandomirskii. Izv. AN SSSR. Met. i gor. delo no. 3:138-144 My-Je '64

Kinetic characteristics of the C+O=CO reaction developing at the surface of bubbles of a boiling bath V V Pavlov, S I Popel' Izv vys ucheb zav., chern met 7 no. 6 5-10 '64

Mes'kin, V. S. [Principles of steel alloying] Osnovy legirovaniia stali. Izd. 2., perer. i dop. Moskva, Izd-vo Metallurgiia, 1964. 684 p.

Studying the conditions of liquid steel desulfuration with the help of CaF_2-base slags A. IU. Poliakov and others Izv. AN SSSR. Met. i gor. delo no. 3:52-57 My-Je '64.

Vacuum treatment of steel for seamless-forged steam turbine rotors. P. V. Skliuev, I. I. Grigor'ev. Metalloved. i term. obr. met. no. 6.34-36 Je '64.

STEEL—QUALITY CONTROL

Electronic device for controlling quality in thermal treatment of steel components V G. Pustynnikov, S D Anisimov Izv vys ucheb. zav., elektromekh. 7 no 4 471-478 '64

STEEL—QUENCHING

Effect of the rate of quenching during hardening on the formation of cracks in steel 45 N. I Kobasko, N. I. Prokhorenko. Metalloved. i term. obr. met no 2:53-54 F '64.

STEEL—TESTING

Decrease of plasticity in carbon steel on testing it in the temperature range of 20 to 700°C. I. E. Dolzhenkov. Dop. AN URSR no. 6:782-786 '63.

Effect of rare-earth elements on the structure of steel. A. S. Zac'ialov, M. M. Sandomirskii. Izv. AN SSSR. Met. i gor. delo no. 3:138-144 My-Je '64.

Investigating the change in the physical properties and the fine crystal structure of hardened steel during tempering. N. T. Malysh. Sbor. nauch. trud. KGRI no. 21 209-217 '63.

Resistance to deformation in ferritic steels. L. D. Sokolov. Izv. vys ucheb zav., chern met 7 no 6.86-91 '64.

Temperature dependence of the mechanical properties of high-carbon austenitic steels. L. G. Zhuravlev. Metalloved. i term. obr. met. no. 2:38-40 F '64

STEEL—WELDING

Investigating the weldability of steel under a layer of fusible flux. A. M. Madianov, R. V. Chudner. Trudy GPI 19 no. 1:14-16 '63.

Structure of the transition zone during the welding of dissimilar steels. V. S. IArkovoi, V. D. Ivanov. Metalloved. i term. obr. met. no. 6 49-50 Je '64.

STEEL, STAINLESS—CORROSION

Intercrystalline corrosion of stainless steels in strong nitric acid V. S. Kuzub, G. G. Kossyi Zhur. prikl. khim. 37 no. 5:1063-1066 My '64.

Passivity and intercrystalline corrosion of stainless steel in nitric acid. Part 2. I. K. Burtseva, A. I. Krasil'shchikov. Zhur. fiz. khim. 37 no. 4:810-816 Ap '63.

STEEL, STAINLESS—ELECTROMETALLURGY

Belov, A. D. [Technology of smelting stainless steels with special industrial and operational properties] Tekhnologiia plavki nerzhaveiushchikh stalei s osobymi tekhnologicheskimi i ekspluatatsionnymi svoistvami. Leningrad, 1964. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Liteinoe proizvodstvo, no. 1)

STEEL, STRUCTURAL

Increase the dependability of steel tanks. IU. K. Ishchenko, A. S. Arzunian, S. I. Verevkin. Stroi. truboprov. 8 no. 11:14-16 N '63.

STEEL, STRUCTURAL—CORROSION

[illegible] s of steel. M. F. [illegible] -69 '62.

STEEL, STRUCTURAL—TESTING

Rapid determination of the endurance limit of steel in conditions of stress concentration. V. V. Shvarev. Izv. AN SSSR. Met. i gor. delo no. 3:173-178 My-Je '64.

STEEL ALLOYS

[illegible]

STEEL ALLOYS—TESTING

Effect of alloyed steel structure on the shape of the tension of a diagram in the region of minor plastic deformations. H. T. Nazarenko. Prykl. mekh. 10 no. 2 166-172 '64.

Investigating the deformability of alloyed steels M A. Strukau. Vestsi AN BSSR Ser. fiz -tekh nav no 1: 118-121 '64

STEEL CASTINGS

Improving the technology of casting IKhI8N9TL steel. N. V. Fiksen, IU. Z. Babaskin. Mashinostroenie no. 1. 59-60 '64.

Obtaining shaped steel castings with a smooth surface. B. M. Gaisin, IU. P. Khmel'nitskaia. Mashinostroenie no. 1:52-53 Ja-F '64.

STEEL FORGINGS

Vacuum treatment of steel for seamless-forged steam turbine rotors P. V Skliuev, I. I. Grigor'ev. Metalloved i term. obr. met. no. 6 34-36 Je '64.

STEEL INDUSTRY—BY-PRODUCTS

Steel and bread. L Lifshits. Sem'ia i shkola 19 no. 5: 39-40 My '64.

STEEL INDUSTRY—COSTS

Romanovich, N. D. [Potentials for reducing the cost of ferrous metals] Rezervy snizheniia sebestoimosti chernykh metallov. Moskva, Metallurgizdat, 1963. 72 p. (Nachal'naia ekonomicheskaia shkola)

STEEL INGOTS

Effect of shaking liquid steel during solidification of the ingot on the quality of the metal in cast and rolled states P S Plekhanov, P M Danilov Izv vys ucheb zav , chern met 7 no. 6 68-76 '64.

STEEL INGOTS—DEFECTS

Mechanism of the formation of blisters in rimmed steel ingots A A Zborovskii, E I Rabinovich. Izv vys ucheb zav , chern met 7 no 6 56-60 '64

STEEL PIPE see Pipe, Steel

STEINBECK, JOHN, 1902-

Steinbeck's heroes. M. Zlobina. Nov. mir 39 no 10: 262-267 O '63.

STEPANOV, IURII MIKHAILOVICH

Our beacons. Tekh. i vooruzh. no. 6:5 Je '64.

STEPPE FLORA

(see also subdivision under West Siberian Plain)

Effect of the intensity of the use of Festuca sulcata and Stipa dominant pastures on the weight gain in sheep F Kh Tikhomirov, S. Abdraimov. Vest sel'khoz. nauki [Kazakh] 7 no 6 43-16 Je '64

STEREOCHEMISTRY

Preparation of stereochemically uniform carvomenthene oxide. S. A. Kozhin, G G. Kainova. Zhur. ob khim 34 no. 5.1680-1681 My '64

STEREOSCOPIC PHOTOGRAPHY see Photography, Stereoscopic

STERILITY IN ANIMALS

Fertilizability and fecundity of coypu as related to the season and the technique of raising. N. P. Khronopulo. Nauch. trudy Nauch.-issl. inst. push zver. i krol. 4.51-61 '63.

STERLITAMAK—MACHINE-TOOL INDUSTRY

Ten yearly norms carried out in four years. A I. Demichev. Mashinostroitel' no. 4:4 Ap '64

STEROIDS

Quantity of 17-ketosteroids in the amount of urine secreted in a 24-hour period and the Thorn eosinopenic test in coronary disease. M. Z. Maisuradze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:97-100 '63.

STILBENE CRYSTALS—SPECTRA

Spectral study of a mixed bibenzyl - stilbene crystal at 20, 4° an 4, 2°K [with summary in English]. N. M. Malykhina, M. T. Shpak. Ukr. fiz. zhur. 9 no. 2:172-178 F '64.

STILBENEDIOL

Combined effect of diethylstilbestrol and testosterone on coronary circulation in experimental coronary insufficiency. N. B. Gambashidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:445-450 '63.

Protective action of diethylstilbestrol. V. I. Suslikov. Radiobiologiia 3 no. 6 880-890 '63.

STIMULANTS

Biological evaluation of sedatives and stimulants. A. N. Zirakadze, M. G. Moistsrapishvili. Soob. AN Gruz. SSR 33 no. 1:219-224 Ja '64.

Vetrazin as a uterine stimulant. A. N. Kudrin and others. Farm. i toks. 26 no 1.75-80 Ja-F '63.

[illegible] AND [illegible]BREEDING

[illegible] under [illegible] Ukraine, White [illegible]

[illegible] the life of farm animals] Sroki [illegible] (Mo-[illegible], 1964. 132 p.

[illegible] [Increasing the production [illegible] quality of meat; transactions of [illegible] Institute of Animal Husbandry [illegible] kachestva [illegible] issledovatel'skogo [illegible] Minsk, Izd-vo Urozhai, [illegible]

[illegible] the effectiveness of breeding work [illegible] Izv TSKhA [illegible]

[illegible] AND STOCKBREEDING—ABSTRACTS

[illegible] veterinary medicine] Ref zhur. [illegible] 11 '64

STOCK AND STOCKBREEDING—BIBLIOGRAPHY see Bibliography—Stock and stockbreeding

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

[illegible], P. A. [Economics of electrification and comprehensive mechanization in animal husbandry] Ekonomika elektrifikatsii i kompleksnoi mekhanizatsii [illegible] Moskva, Izd-vo "Ekonomika," 1964. 127 [illegible]

STOCK AND STOCKBREEDING—PRODUCTION STANDARDS

[illegible] sel'skokhoziaistvennaia [illegible] startsiia. [Time norms [illegible] dairy husbandry and [illegible]] Sbornik normativov vremeni na raboty, [illegible] molochnoe skotovodstvo [illegible] Moskva, Rossel'khozizdat, 1964. [illegible]

STOCK JUDGING

[illegible] the quality of their progeny [illegible]

STOMACH

[illegible] changes in the stomach con- [illegible] with age development [illegible] Zap Vor sel'khoz [illegible]

STOMACH—CANCER

(see also subdivision under Alma-Ata)

Acute gastrectasia in tumor patients following operation for cancer. N D Garin, L.K Rolik Vop onk. 10 no 2,34-40 '64

Cancer of the stomach and esophagus A G Bekker. Trudy Inst klin i eksp khir AN Kazakh SSR 8 65-72 '62

Cancer of the stomach and the esophagus, and hiatal hernia L.I. Tager, A A Lipko Vop onk 8 no 10: 78-83 '62

Causes of fatal outcomes following radical operations for cancer of the upper section of the stomach involving the esophagus V I Kazanskii and others Khirurgiia 40 no 2 73-78 F '64.

Characteristics of intubation anesthesia in transpleural surgery on cancer of the esophagus and cardia V.A Chibunovskii. Trudy Inst klin i eksp khir AN Kazakh SSR 8 140-145 '62

[illegible] surgical resection of the stomach O I Biber. Trudy Inst klin i eksp khir AN Kazakh SSR 8 47-50 '62

Rare case of primary multiple tumors L. A Kolomiitseva A T Targanbaev, V A Chibunovskii Trudy Inst klin i eksp khir AN Kazakh SSR 8 146-150 '62

Splenoportographic determination of the spreading of stomach tumors G.I.Voronskii. Vop.onk 10 no.2: 29-34 '64.

Timely discovery of stomach cancer A. A Kvaliashvili. Soob AN Gruz SSR 31 no. 2:471-474 Ag '63

Working capacity of patients following radical operations for gastric cancer. A.M.Korkmasov. Vop.onk. 10 no 2:56-61 '64.

STOMACH—HYPERTROPHY AND DILATATION

Acute gastrectasia in tumor patients following operation for cancer. N.D.Garin, L.K.Rolik Vop.onk. 10 no 2:34-40 '64.

STOMACH—INFLAMMATION

Antral gastritis. M D Bondar' Trudy Inst klin i eksp khir AN Kazakh SSR 8 151-154 '62

Effect of the quality of suppers on the gastric secretion in healthy people and in patients with chronic gastritis. F I. Komarov, A I. Ivanov, N F. Lebedev Vop pit. 22 no 6 18-21 N-D '63.

Morphological substrate of the secretory activity of gastric glands under normal and pathological conditions B Kh Rachvelishvili Soob AN Gruz SSR 31 no 3 737-743 S '63

Resection of the stomach in some forms of chronic gastritis. A.P.Mirzaev. Vop onk. 10 no.2:41-46 '64.

Scientific session in Leningrad dedicated to the problem of chronic gastritis K. A Skulme Vop pit 22 no 6 84-86 N-D '63

Therapeutic effectiveness of the Leontice sicca extract in subacid and anacid chronic gastrites. E. N. Bezhanishvili. Soob. AN Gruz. SSR 31 no. 1:215-220 Jl '63.

STOMACH—INNERVATION

Effect of the irritation of stomach receptors on skin permeability against a background of stimulation of the central nervous system A G Tagieva Dokl AN Azerb SSR 20 no 4 71-75 '64

Morphology of the sensory nerve endings of the diaphragmatic and the subdiaphragmatic portions of the esophagus and the cardial portion of the stomach in man and animals. V I Antonova Trudy SMI 15:50-57 '62.

Reflex influences from the stomach on the lymph circulation in ontogenesis I A. Beremzhanova Vest. AN Kazakh SSR 19 no 5 51-54 My '63

STOMACH—RADIOGRAPHY

Clinical and X-ray examination of the stomach and the intestines of small animals V K Khokhlachev, B S Kashintsev I L Rudakov Zap Vor sel'khoz inst 17 no 2 233-240 '62

Deformity of the stomach of an ulcerative origin. I. A. Shekhter, N U Shniger Vest. rent i rad 38 no 3 39-46 My-Je '63.

X-ray examination of the stomach and duodenum in tumors of the pancreas. L.I.Dobychina. Vop. onk. 10 no 2-47-56 '64.

STOMACH—SECRETIONS

Morphological substrate of the secretory activity of gastric glands under normal and pathological conditions B Kh Rachvelishvili Soob AN Gruz SSR 31 no 3 737-743 S '63

Secretory function of the stomach in niacin deficiency induced by β-acetylpyridine administration S. IA Mikhlin, M F Nesterin Pat fiziol. i eksp terap 7 no 6 61-64 N-D '63

STOMACH—SURGERY

Balance of vitamin B_{12} in cancerous lesion of the stomach in connection with its resection N S Al'mukhambetova, N I Khorsova. Trudy Inst. klin i eksp. khir AN Kazakh. SSR 8 116-120 '62.

Functional state of the liver in patients following radical surgery on the stomach N. N Kuznetsov, E A. Pochatnikova Vest khir 91 no. 10 105-107 O '63

Late results of diagnostic gastrotomy in X-ray pictures. L A Sharova Vest khir 91 no. 10:70-73 O '63

Possibility of the endogenous synthesis of nicotinic acid in total gastrectomy patients. E P. Chunakova Vop. pit. 22 no. 6 27-30 N-D '63.

Preventive use of antibiotics in surgery on the stomach. A. M. Marshak, L. A. Sysoeva. Khirurgiia 40 no. 2: 19-24 F '64.

Resection of the stomach in some forms of chronic gastritis. A. P. Mirzaev. Vop onk. 10 no. 2:41-46 '64.

STOMACH—TUBERCULOSIS

Study of stomach tuberculosis. N. I. Kalandadze. Soob. AN Gruz. SSR 31 no. 1:203-206 Jl '63.

STOMACH—TUMORS

Leiomyoma of the stomach. A. P. Bazhenova, Kh. Kamilov. Khirurgiia 40 no. 2:152-158 F '64.

STOMACH—ULCERS

Deformity of the stomach of an ulcerative origin. I. A. Shekhter, N. U. Shniger. Vest. rent. i rad. 38 no. 3, 39-46 My-Je '63

Functional condition of adrenal cortex in relation to the treatment of ulcers with some materia medica. M. G. Avalishvili. Soob. AN Gruz. SSR 31 no. 1:221-226 Jl '63.

Leiomyoma of the stomach A. P. Bazhenova, Kh. Kamilov. Khirurgiia 40 no. 2:152-158 F '64.

Perforated gastric and duodenal ulcers in children. A. N. Orlov. Vest khir 91 no. 10:101 O '63.

Resection of the stomach for hemorrhagic ulcer in a 14-year-old boy Sh. A. Aliev. Vest. khir. 91 no. 10:100 O '63

Treatment of multiple ulcers of the stomach and duodenum. T. S. Sikharulidze, T. L. Lomidze. Soob. AN Gruz. SSR 31 no. 2:475-479 Ag '63.

STOMATOLOGY

Evdokimov, A. I., and G. A. Vasil'ev. [Surgical stomatology] Khirurgicheskaia stomatologiia. Izd. 2., perer. Moskva, Meditsina, 1964. 481 p. (DNLM)

STONEFLIES see subdivision under Abkhazia

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STOPING (MINING)

Expanding the overall mechanization of stoping operations at the Pechora coal basin. V. N. Khorin, V M Strakhov Ugol' 39 no 6:38-41 Je '64.

Relative distribution of stopes and development workings during hydraulic mining. I. A. [illegible] Ugol' Ukr. 8 no. 5:31-32 My '64.

STORAGE BATTERIES

Efimets, I. D. [Electric power supply sources for communication apparatus] Istochniki elektropitaniia ustanovok sviazi. Leningrad, Leningr. elektrotekhn. in-t sviazi im. M. A. Bonch-Bruevicha.

No. 2. [Use of storage batteries. Technical characteristics of charging and power supplying stations] Ekspluatatsiia akkumuliatorov. Tekhnicheskaia kharakteristika zariadnykh i elektropitaiushchikh stantsii; uchebnoe posobie. 1963 49 p.

STORAGE BATTERIES—PATENTS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [Survey of new patents on electric storage batteries] Obzor novykh patentov na elektricheskie akkumuliatory. Moskva, TSentr. in-t nauchno-tekhn. informatsii priborostroeniia, elektro-tekhn. promyshl. i sredstv avtomatizatsii, 1963. 43 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

[MICROFILM]

STORE FIXTURES

New refrigerating equipment for the self-service store. R Ivanova, I. Rybak. Sov torg [illegible] '64.

STORES, RETAIL see subdivision under Murmansk

STORES, RETAIL—LIGHTING

Storeroom lighting. N. Bogdanov. Sov. torg. [illegible] 45-54 My '64

STOVES, ELECTRIC

Development of high-frequency stoves for food preparation. E. A. Bamberg, N. P. Lipovskaia, [illegible] Trudy NIITVCH no. 4:121-130 '63.

STOVES, GAS

Gas stove with outlet of combustion products into a flue M I. Rabinovich and others. Gaz prom. 8 no 3:[illegible] '63.

PGS sectional gas stove. B. Z. Bromberg, IA. [illegible], IU. I. Minkotkin. Gaz. prom. 8 no. 3:23-25 '63.

STRAIN GAUGES

Manometer with a strain gauge. A. Sh. Katenel'son Izm. tekh. no. 5:18-19 My '64.

Renskii, A. B. [Strain gauges for repeated use with an elastic metal element; verbatim record of a report delivered at the Leningrad House of Scientific and Technical Information in November 1963] Tenzodatchiki mnogokratnogo ispol'zovaniia s metallicheskim uprugim elementom; stenogramma doklada, prochitannogo v LDNTP v noiabre 1963 g. Leningrad, 1964. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii)

STRAINS AND STRESSES

Approximate modeling of stresses in the surface layers of work rolls P. I. Polukhin and others. Izv vys. ucheb. zav., chern. met. 7 no. 6:97-102 '64

Approximate solution of some problems of the statics of elastic rods. N. G. Bondar'. Stroi. mekh. i rasch. sooruzh. 5 no. 6:17-22 '63.

Calculated loads on the reinforcement of mine shafts M. I. Slobodkin. Shakht. stroi. 7 no. 3:14-17 Mr '63

Calculating allowable pipeline span according to stability. E. L. Aksel'rad. Stroi. mekh. i rasch. sooruzh. 5 no. 6: 34-37 '63.

Complex loading and the prospects of a phenomenological approach to the study of microstrains. V. V Novozhilov. Prikl. mat. i mekh. 28 no. 3:393-400 My-Je '64

Contact stresses during the hot upsetting of carbon and alloyed steels M. I. Poksevatkin and others Izv vys ucheb. zav., chern met 7 no. 6:103-106 '64.

Design diagram of beams working on bend and constrained torsion. V. K. Solov'ev. Stroi. mekh. i rasch. sooruzh. 5 no. 6:29-31 '63.

Determination of stresses in composite structures taking into account the nonlinear creep of concrete. G. V. Kiziriia. Soob. AN Gruz. SSR 34 no. 1:111-118 Ap '64.

Determining critical load under bend of a beam with variable rigidity. P. I. Alekseev. Stroi. mekh. i rasch. sooruzh. 5 no. 6:37-39 '63.

Determining the concentration of stresses on the basis of applied theory. O. K. Aksentian, I. I. Vorovich. Prikl mat. i mekh. 28 no. 3:589-596 My-Je '64.

Displacements under the action of a concentrated force. H. M. Savin, V. L. Rvachov. Prykl. mekh. 10 no. 3: 222-226 '64.

Experimental investigation of the effect of alternating overloads on fatigue strength and durability with and without stress concentrations Report No. 1. V. M. Grebenik, V. F. Kucherenko. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:199-206 '64.

Rapid determination of the endurance limit of steel in conditions of stress concentration. V V. Shvarev Izv. AN SSSR, Met. i gor. delo no. 3;173-178 My-Je '64.

Some signs of the compression and tension of a cone. IU. V. Pokornyi. Dop. AN URSR no. 6;706-709 '63.

Stability of a compressed rod limited by a tightened wire. A.A. Svetov. Stroi. mekh. i rasch. sooruzh. 5 no. 6; 43-44 '63.

Stresses and displacements in an elastic sheet weakened by a doubly periodic set of equal circular holes. L. A Fil'shtinskii. Prikl. mat. i mekh. 28 no 3:430-441 My-Je '64.

Stresses originating during the approach of vessels to the mooring bollards of locks F. M Shikhiev, V IU. Masur. Trudy Otd energ. Dag fil AN SSSR 1 no 1 13-24 '62.

Taking into account bending moments in the calculation of spherical shells which are nonrectangular in design. V. D. Raizer. Stroi. mekh. i rasch. sooruzh. 5 no. 6: 14-16 '63.

Transverse force in reinforcement of assembly junction arches. M. E. Pisitsyn. Transp. stroi. 13 no. 12: 46-50 D '63.

Vsesoiuznaia konferentsiia po relaksatsionnym iavleniiam v metallakh i splavakh, 3d, Voronezh, 1962. [Relaxation phenomena in metals and alloys, transactions] Relaksatsionnye iavleniia v metallakh i splavakh; trudy. Pod red. V. S. Postnikova. Moskva, Metallurgizdat, 1963. 339 p.

STRANGLING

Focal skin edema in the area of the strangulation furrow. IU M Kitaev Sud -med ekspert 7 no 2.47-48 Ap-Je '64.

STRATEGY

Pavlenko, N. G., ed. [Command decisions. Translated from the English] Vazhneishie resheniia. Moskva, Voenizdat, 1964. 353 p.
(CStmoR)

STRAW

Komarova, M. K., and N. V. Filatov. [Overall mechanization of straw harvesting] Kompleksnaia uborka solomy. Moskva, Rossel'khozizdat, 1964. 51 p.
(DNAL)

STRAWBERRIES see subdivision under Caucasus; Dnieper Valley; Kazakhstan

STRAWBERRIES—DISEASES AND PESTS

Strawberry gray mold. I. V. Meshcheriakova. Zashch. rast. ot vred. i bol. 9 no. 6;39 '64.

STREAM CROSSING, MILITARY

An assault crossing company operates. V Ustinov, V. Nevler, V Levin Voen. vest 42 no. 12:72-81 D '62

STREAM MEASUREMENTS

Structure of a rectangular cross-section open-channel flow in an area of unilateral, streamlined, coastal projection. N. P. Giliarov. Trudy LIVT no. 46;14-21 '63.

STREET RAILWAYS

Reznik, M. IA., and M. S. Chertok. [Textbook for streetcar drivers of the first class] Uchebnoe posobie dlia voditelei tramvaia 1-go klassa. Moskva, Stroiizdat, 1964. 371 p.

STREET RAILWAYS—RAILS

Protecting pipelines from trolley-car track stray currents. V M. Levin, I S. Oganezova, M. V. Tarnizhevskii. Zashch. trub. ot kor. no 5:38-55 '62.

STREETCARS

Samoilov, B. A., and others. [The RVZ-6 streetcar] Tramvainyi vagon RVZ-6. Moskva, "Stroiizdat," 1964. 167 p.

STREETCARS—EQUIPMENT AND SUPPLIES

Kulylovskii, M. P., and others. [Mechanical equipment of the rolling stock of street railroads] Mekhanicheskoe oborudovanie podvizhnogo sostava tramvaia. Moskva, Izd-vo M-va kommun. khoz. RSFSR 1963. 405 p.

STRENGTH OF MATERIALS

Temperature-dependent transition from brittleness to plasticity under conditions of the adsorption effect of reduced strength. E. D. Shchukin, L. A. Kochanova, A. V. Pertsov. Kristallografiia 8 no. 1;69-74 Ja-F '63.

[illegible]

Vozdvizhenskii, S. M., comp. [Strength of materials, lecture notes] Soprotivlenie materialov; konspekt lektsii. Saratov, Saratovskii politekhn. in-t.
Pt. 1. 1963. 177 p.

STRENGTH OF MATERIALS—TESTING

High speed strength test by means of a stepwise increasing load. V. V. Shvarev. Izv. vys. ucheb. zav.; mashinostr. no. 3·47-55 '64.

STREPTOCOCCAL INFECTIONS

Effect of overheating on the course and results of treatment of experimental streptococcal focal infection in rats N Askarkhodzhaeva Pat fiziol i eksp terap 7 no 6 34-37 N-D '63

Experience with the experimental reproduction of a systemic lesion of the connective tissues V I Ioffe and others Vest. AMN SSSR 18 no 11 29-38 '63

STREPTOMYCIN

Effect of penicillin and streptomycin on the process of the formation of compliment-fixing antibodies in brucellosis. A. A. Navasardian. Izv AN Arm. SSR Biol. nauki 16 no. 9.47-54 S '63.

STRESS (PHYSIOLOGY)

Changes in the electrical activity in various sections of the cerebral cortex during the performance of muscular work M. P Ivanova Zhur. vys nerv. deiat 13 no 6 972-979 N-D '63.

Correlational analysis of hemodynamic indices in young athletes during work loads. T. E. Karu. Teor. i prak. fiz. kul't. 27 no. 6;57-61 Je '64.

Effect of measured physical stress on the course and restitution of experimental myocardial infarct M. G Shevchuk, E. N Isakova. Pat fiziol i eksp terap 7 no. 6 42-45 N-D '63

Effect of various loads on the reactivity of the organism in young athletes. O. R. Nemirovich-Danchenko. Teor. i prak. fiz. kul't. 27 no. 6;45-49 Je '64.

Myocardial stress and functional reserve of the heart in hyperfunction and insufficiency V V Parin, F. Z Meerzon Vest AMN SSSR 18 no 8 20-32 '63

Work of the muscular trabecula in relation to stress and initial length. M. G. Udel'nov, A. P. Fedorova. Biul. eksp. biol. i med. 56 no. 8;3-7 Ag '63.

STRIKES AND LOCKOUTS

Bolshevik press on the strike of drugstore employees in September 1917. M. B. Mirskii. Apt. delo 12 no. 2;90-91 Mr-Ap '63.

STRIP MINING

(see also subdivision under Sokolovka-Sabay region, Kustanay Province)

Calculating the optimal distribution of the size of stripping operations according to years with the use of linear programming. E. M. Pakhomov, E. G. Saratovskii. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4;50-53 '64

Calculation of complicated mining systems without the use of transportation taking into account blind workings. A. N. Turenko, A. Kh. Kuz'menko, L. I. Romanenko. Ugol' Ukr. 8 no. 5;18-20 My '64

Mine transportation equipment of continuous operation used in strip mine construction V. P. Aksenov, IU. I. Beliakov. Shakht. stroi. 7 no. 3 6-11 Mr '63.

Reinforcement of rocks to control deformations of the benches and slopes of strip mines. V. F. Beliaev and others. Shakht. stroi. 8 no. 5;4-7 My '64.

Rzhevskii, V. V., IU. I. Anistratov, and S. A. Il'in. [Strip mining operations under complex conditions] Otkrytye gornye raboty v slozhnykh usloviiakh. Moskva, Izd-vo "Nedra," 1964. 293 p.

Stability of rectilinear shape. A. M. Demin. Ugol' 39 no. 6;32-34 Je '64.

Using a two-stage distribution of blastholes on stripping benches of the Krasnogorsk open pit coal mine. I. P. Sumin and others. Ugol' 39 no. 6;30-32 Je '64.

STRIP MINING—COSTS

Determining the limits of a strip mine for the selective mining of several types of ore. A. I. Arsent'ev, A. K. Polishchuk. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 4; 38-42 '64.

STRIP MINING—EQUIPMENT AND SUPPLIES

Creating efficient operating conditions and selecting the optimal corresponding energy for strip mining equipment. B. Zh. Kul'dzhanov, B. Kh. IUsupbekov. Trudy Inst. gor. dela AN Kazakh. SSR 13;138-147 '64.

Determining performance potentialities of excavators in strip mines. O. I. Alekseev, V. A. Svishchev. Trudy Inst. gor. dela AN Kazakh. SSR 13;148-151 '64.

Raising the height of a bench with the help of a ripper. V. V. Nikol'skii. Shakht. stroi. 7 no. 11:26-27 N '63.

STROMATOPOROIDEA see subdivision under Ural Mountains

STRONTIUM

Sorption of strontium ions on a sodium molecular sieve. G. V. TSitsishvili, A. IU. Krupennikova. Radiokhimiia 5 no. 6;656-660 '63.

Strontium content of food products in the Turkmen S. S. R. [illegible]

[illegible]

Surface tension of strontium. V. B Lazarev, A. V. Pershikov. Zhur. fiz. khim. 37 no. 4.907-908 Ap '63.

STRONTIUM COMPOUNDS

X-ray diffraction study of strontium-bismuth titanates in a wide range of temperatures. K. V. Kiseleva. Kristallografiia 8 no. 1;105-107 Ja-F '63.

STRONTIUM ISOTOPES

Action of potassium phosphate on the translocation of radiostrontium absorbed by soil. G. N. TSelishcheva. Izv. TSKHA no. 5·121-129 '63.

Dietary calcium and phosphorus enrichment as a factor lowering the strontium-90 concentration in the skeletal bone V. A Knizhnikov, P F Bugryshev Vop. pit 22 no. 6·56-62 N-D '63

STROPHANTHIDOL

Partial synthesis of cardial glycosides 3,19-strophanthidol-L-diramnoside V T. Chernobai Zhur. ob khim 34 no 5·1690-1691 My '64

STROPHANTHIN

Effect of strophanthin on the heart following the action of carbohydrate metabolism inhibitors G N Chetverikov Farm i toks 26 no 1 58-63 Ja-F '63

STRUCTURAL DESIGN

Moscow. Nauchno-issledovatel'skii institut teorii i istorii arkhitektury i stroitel'noi tekhniki. [Outline history of structural engineering in Russia in the 19th century and the beginning of the 20th] Ocherki istorii stroitel'noi tekhniki Rossii XIX-nachala XX vekov. Moskva, Izd-vo lit-ry po stroit., 1964. 370 p.

STRUCTURAL DRAWING

Briling, N. S., and L. I. Levacheva. [Detailing structural units] Detalirovanie uzla stroitel'noi konstruktsii. [n. p.] Rosvuzizdat, 1963. 23 p.

STRUCTURAL FRAMES see subdivision under Nikolayev Province

STRUCTURAL FRAMES—VIBRATION

Determining frequencies and shapes of natural vibrations of restricted frames by means of electronic computers. O. D. Lyzar'ov. Prykl. mekh. 10 no. 2.158-165 '64.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

"Differential variational methods of structural mechanics" by V. A. Bovin. Reviewed by H. M. Savin. Prykl. mekh. 10 no. 2;229-230 '64.

STUCHKA, PETR IVANOVICH, 1865-1932

P. Stuchka and his role in the struggle for the triumph of the Leninist nationality policy. V. A. Shteinberg Nauch. dokl vys. shkoly, filos. nauki 7 no. 2·86-92 '64

STUDENT ACTIVITIES

(see also subdivision under Ukraine)

Let's use the experience of the past. I. D. Chernyshenko. Shkola i proizv. 8 no. 5.47-49 My '64.

STUPOR

Forensic psychiatric evaluation of stuporous states. G. V. Morozov Sud -med ekspert. 7 no. 2 41-44 Ap-Je '64

STYRENE

Analyzing vinyltoluene by mass-spectrometry and gas-liquid chromatography. A. N. Aleksandrov and others. Khim. i tekh. topl. i masel 9 no. 6;64-67 Je '64

Investigating the thermal depolymerization of styrene tar. D A. Aliev and others. Nefteper i neftekhim. no 7 32-36 '63

STYRENE POLYMERS

Improvement of the production of butadiene-methylstyrene (styrene) rubbers. I. I. Radchenko and others. Kauch. i rez. 23 no. 4;1-6 Ap '64

Modification of the surface properties of capron fibers by grafting polystyrene. A. I. Kurilenko and others. Dokl. AN SSSR 156 no. 2;372-374 My '64.

Thermodynamics of ion exchange on sulfonated copolymers of styrene and divinylbenzene. Part 2. V. S. Soldatov, G. L. Starobinets. Zhur. fiz. khim. 38 no. 3.681-685 Mr '64.

SUBCONTRACTING

Cooperation on the production level. I. A. Zenin. Sov. gos. i pravo 34 no. 5:61-68 My '64.

SUBMARINE BOATS

Criticism and bibliography. V. Milanov, N. Mishin. Starsh.-serzh. no. 6;38 Je '64.

In submerged sailing; a sketch. N. Belous. Komm. Vooruzh. Sil 4 no. 13·43-48 Jl '64.

Masters of the sea depths. N. Belous. Komm. Vooruzh. Sil 3 no. 13;50-54 Jl '63

Power apparatus of submarines. IA. Gakh, IU. Dushanov. Tekh. i vooruzh. no. 6;89-92 Je '64.

Soviet submarines. V. Balakirev. Tekh. i vooruzh. no. 6;93-95 Je '64.

Striking power of the navy. V. Dem'ianov. Tekh. i vooruzh. no. 6;22-27 Je '64.

[illegible] subdivision under Sur-[illegible]

[illegible] MANAGEMENT [illegible]

[illegible] Je [illegible]

[illegible] properties of X-substi- [illegible] 37

[illegible] Je

[illegible]

[illegible] Iz. [illegible] '63

[illegible]ILE

[illegible] systems containing [illegible] with upper critical tem- [illegible] Libration of liquid phases [illegible] nitrile - n-butyl alcohol [illegible] Zhur ob khim 34 [illegible]

[illegible] systems containing two [illegible] differently oriented critical [illegible] pyramidon - [illegible] and pyramidon - water - [illegible] Zhur ob khim 34 [illegible]

[illegible]

[illegible] period of initial [illegible] Neft. [illegible]

[illegible] 1941

[illegible] Fedor Nikolaevich Chernyshev, [illegible] Paleont.zhur. no 2 [illegible]

SUGAR BEET MACHINERY

Kud[illegible], I. [Overall mechanization of sugar beet growing] Kompleksnaia mekhanizatsiia vozdelyvaniia sakharnoi svekly. Moskva, Izd-vo "Kolos," 1964. 362 p.
[illegible]

SUGAR BEETS

(see also subdivision under Kazakhstan)

Tarasov, S.F. [Sugar beet as a strong crop] Sakharnaia svekla - moguchaia kul'tura. (Smolensk, Smolenskoe knizhnoe izd-vo, n.d.) 22 p. (Propashnoi sisteme - vysokuiu agrotekhniku,
DNAL)

SUGAR BEETS—DISEASES AND PESTS see subdivision under Kirghizistan

SUGAR BEETS—PHYSIOLOGY

Amitotic cell division in sugar beets. N F Zalkovskaia Agrobiologiia no 3,459-461 My-Je '64

SUGAR BEETS AS FEED

[illegible] sugar beets V V [illegible] Trudy Bel nauch -issl inst [illegible]

Use of lactic acid bacteria for the biological preservation of [illegible] I Kvasnykov and others Mikrobiol zhur [illegible] 58 '63

[illegible] sugar beets in feeding dairy cows V A Sipunov [illegible] 243 '62

SUGAR GROWING

Economics of sugar beet production I. Buzanov, T Aref'ev Ekon sel'khoz. 35 no. 1 31-47 Ja '64.

SUGAR INDUSTRY—ACCOUNTING

Moscow. Vsesoiuznyi tsentral'nyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. [Manual for chemical and technological control and accounting in sugar manufacture] Rukovodstvo po khimiko-tekhnicheskomu kontroliu i uchetu sakharnogo proizvodstva. Moskva, Pishchepromizdat, 1961. 422 p.
[MICROFILM]

SUGAR INDUSTRY—PRODUCTION CONTROL

Moscow. Vsesoiuznyi tsentral'nyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. [Manual for chemical and technological control and accounting in sugar manufacture] Rukovodstvo po khimiko-tekhnicheskomu kontroliu i uchetu sakharnogo proizvodstva. Moskva, Pishchepromizdat, 1961. 422 p.
[MICROFILM]

SUGAR MANUFACTURE

Skriplev, V.E. [Filtration powders and their use in sugar manufacture] Fil'truiushchie poroshki i ikh ispol'zovanie v sakharnom proizvodstve. Moskva, TSentr in-t nauchno-tekhn. informatsii pishchevoi promyshl , 1963 45 p
[MICROFILM]

SUGGESTION SYSTEMS

[illegible] problems in the socialist rationalization of production A Vinokur, R. V. Ryvkina Nauch. dokl [illegible] filos nauki 7 no 2 37-44 '64

SUKHUM—ARTERIOSCLEROSIS

Effectiveness of atherosclerosis treatment in the humid climate of subtropical Abkhazia. N.V.Mgeladze, Sh Sh Metonidze, D G.Dateshidze. Trudy Inst. klin. i eksper. kard. AN Gruz SSR 8:119-123 '63.

SUKHUM—CLIMATOLOGY, MEDICAL

Effectiveness of atherosclerosis treatment in the humid climate of subtropical Abkhazia. N.V.Mgeladze, Sh Sh.Metonidze, D.G.Dateshidze. Trudy Inst klin. i eksper kard AN Gruz SSR 8:119-123 '63

SULFANILAMIDE

Stability of suspensions of sulfanilamide preparations; preliminary report (with summary in English). IU.A. Blagovidova. Apt. delo no. 2:23-28 Mr-Ap '63.

SULFANILIDE

Sulfanilides. Part 14: Nitriles of N-aryl sulfonyl-β-phenylalanine. Z. F. Solomko and others. Zhur.ob.khim. 34 no 6:1964-1968 Je '64.

SULFATES

Refractive index of electrolytes in the electrolysis of $CuSO_4$ and $ZnSO_4$ in the presence of some addition agents F I. Grabova. *Zhur. fiz. khim.* 36 no 6:1241-1245 Je '62

SULFENAMIDES

Sulfenamides based on hexamethylenimine M V Gorelik and others Zhur ob khim 34 no 5 1577-1581 My '64

SULFIDES

(see also subdivision under Baymak District; Ural Mountains)

Alkyl thioenynes and their analogs. Part 1. *Synthesis* and properties of vinylacetylenic thio-, seleno-, and telluro ethers. A.A.Petrov and *others*. *Zhur.ob.* khim. 34 no 6:1899-1905 Je '64.

Haloalkyl sulfides. Part 2: Reaction of alkylene *sulfides* with halogens and sulfuryl chloride. G IU Epshtein, I.A Usov, S.Z Ivin. Zhur.ob.khim 34 *no. 6:1948*-1951 Je '64.

Haloalkyl sulfides. Part 3: *Reaction of* alkylene sulfides with sulfur chlorides. G IU.Epshtein, I.A.*Usov, S* Z. *Ivin* Zhur.ob.khim. 34 no.6:1951-1953 Je '64.

Haloalkyl sulfides Part 4: Interaction of alkylene sulfides with phosgene and chloro*carbonic esters*. G.IU.*Epshtein*, I.A.*Usov*, S.Z.Ivin Zhur.ob.khim 34 no.6:1954-1955 Je '64.

Mineralogical form of gold and its associations in sulfide *ores in the* Gay pyritic copper deposit. G.N.Pshenichnyi. *Mat.po geol* i pol.iskop.IUzh.Urala no.3:141-147 '62.

S^{35} *tracer* study of the mechanism of oxidation of mercaptoacetic *acid*. *Part* I. L Guczy, D. Gal. Zhur. fiz. khim. 36 no 6:1150-1157 Je '62.

SULFONATION

Chemistry of selenophene. *Part 51: Sulfonation* of selenophene and 2-methylselenophene. IU.*K.IUr'ev*, N.K.*Sadovaia*. Zhur.ob.khim. 34 no.6:1803-1807 Je '64

SULFONES

Addition of organophosphorus compounds with a mobile hydrogen to divinyl *sulfone and p-di (β-*nitrovinyl) benzene A N.Pudovik, F N.Sitdykova. *Zhur*. ob khim. 34 no 5 1682-1683 My '64

Synthesis and investigation of trimethylenetrisulfone derivatives Part 2. Arylhydrazono- and aryl azo *derivatives* of trimethylenetrisulfone. R.G.Dubenko, IU V Tanchuk, P.S.Pel'*kis* *Zhur* ob.khim 34 no. 5 1636-1638 *My* '64

SULFONIC ACIDS

Arenesulfonyl-*N*-(benzoylformyl)amides. S.I.Burmistrov, V.L.Dubina. Zhur.ob.khim. 34 no.*6:1978*-1979 Je '64.

Derivatives of anthracene. Part 11: Rearrangement *of 3,4,7,8-tetrahydro-1,2,5,6*-anthradifuroxane-4,8-disulfonic acid. M.V.Gorelik. *Zhur*.ob.khim. 34 no.6:2010-2015 Je '64.

SULFONIC GROUP

Synthesis of sulfo derivatives of cellulose. D.L. Smeshko, A.D.Virnik, *Z*.A.Rogovin. Zhur. prikl. khim. 37 no 5:1156-1158 My '64.

SULFONYL CHLORIDES

Transformations *of disulfonyl* chlorides. Part 1: Interaction of alkanedisulfonyl *chlorides* with phenols and aromatic amines containing a halogen and a nitro *group*. G.T *Esaian*, *E* E.Oganesian, E.L.Asoian Izv AN Arm SSR. Khim nauki *17 no 3,339-344* '64

SULFUR

Determining the sulfur in heavy *petroleum products and* additives by the iodometric method. N. M. Iu'kova, F. T. Makarov, N. F. Klement'eva. Khim. i tekh. topl. i masel 7 no. 10:60-62 O '62.

Electric resistance of sulfur - phosphorus and sulfur - arsenic melts. A. I. Sokiakov, S. V. Mel'nikova. Zhur. fiz. khim. 36 no. 6:1339-1341 Je '62.

Experience in the use of an analyzer for sulfur in [illegible] fuel. A. T. Afonin and others Nefteper. i neftekhim. no. 4:39-42 '63.

Transformation of sulfur compounds with the formation of carbon on a carbon surface R. Z. Magaril [illegible] Aksenova, R P. Terekhova Gaz prom. [illegible] '62

SULFUR CHLORIDES

Haloalkyl sulfides. Part 3: Reaction *of alkylene sulfides* with sulfur chlorides. G.IU.Epshtein, I.A.Usov, S Z Ivin. Zhur.ob.khim. 34 no.6:1951-1953 *Je* '64.

SULFUR DIOXIDE

Mechanically resistant iron catalyst for the oxidation of sulfur dioxide. I. P. Mukhlenov, D G. Traber, [illegible] Dobkina. Khim. prom. no. 4:241-243 Ap '64.

Separate quantitative determination of SO_3 and SO_2 in the exhaust gases of engines. B. V. Losikov and others Khim. i tekh. topl. i masel 9 no. 6:44-47 Je '64

SULFUR ISOTOPES

Effect of the structure of diethyldithiocarbamates on the character of their isotopic exchange with S^{35}. [illegible] Khodzhaeva, IU.V.Klesin. Zhur.fiz.khim 37 [illegible] 791-796 Ap '63.

SULFUR ISOTOPES—PHYSIOLOGICAL EFFECT

Behavior of radioactive sulfur in a chronic experiment N. M. Oganesian. Izv. AN Arm SSR. Biol. nauki 17 no. 1:41-45 Ja '64.

SULFUR METABOLISM

Sulfur metabolism in foxes and minks. A. L. [illegible], I. G. Povetskii, M. IA. Shapovalova. Nauch. trudy Nauch.-issl. inst. push. zver. i krol. 4:120-125 '63.

SULFUR ORGANIC COMPOUNDS

Simultaneous microdetermination *of carbon, hydrogen* and sulfur in organic compounds A A Abramian A A Kocharian Izv. AN Arm. SSR. Khim. nauki 17 *no 3,301 - 305* '64

SULFUR TRIOXIDE

Separate quantitative determination of SO_3 and SO_2 in the exhaust gases of engines. B. V. Losikov and others Khim. i tekh. topl. i masel 9 no. 6:44-47 Je '64

SULFURIC ACID

Electrolysis of selenium solutions in concentrated sulfuric acid. E. Pacauskas, J. Janickis, G. Bunevičienė. Trudy AN Lit.SSR.Ser.B no.1:87-95 '64.

Mechanism of dissolution of iron alloys with chromium in sulfuric acid. G. M. Florianovich, *IA. M. Kolotyrkin*. Dokl. AN SSSR 157 no. 2:422-425 Jl '64

Polarographic determination of selenium dissolved in concentrated sulfuric acid. E. Pacauskas, J. Janickis, G. Bunevičienė. Trudy AN Lit.SSR.Ser.B no.1:[illegible] '64.

Preparation of electrolytic iron-chromium alloys and their corrosive behavior in sulfuric acid solutions with different pH values. V. Skominas, J. Matulis. Trudy AN Lit.SSR.Ser.B no.1:73-86 '64.

Selecting the parameters of the *automatic control of* tower systems for the production of sulfuric acid A.N. *TSeitlin*. Khim prom. [Ukr.] no. 1:60-64 Ja-Mr '63.

Use of the indicator method for determining the concentration of ions and nondissociated *particles*. M. I. Vinnik, R. S. Riabova. Zhur. fiz. khim. 38 no. 3:608-615 Mr '64.

Voskresenskii, S. K., ed. [Production of 32% P_2O_5 phosphoric acid by the decomposition of apatite by sulfuric acid *with* the crystallization of gypsum] Proizvodstvo fosfornoi kisloty *kontsentratsiei 32% P_2O_5* razlozheniem apatita *sernoi kislotoi* s kristallizatsiei gipsa. Moskva, Laboratoriia nauchno-tekhn. informatsii, 1963. 25 p.

[MICROFILM]

SULFURIC ACID INDUSTRY

(see also subdivision under Ukraine)

Use of iron catalysts in the contact-tower process. I. M. Eseley, I. P. Mukhlenov, D. G. Traber. Zhur. prikl. khim. 37 no. 5:972-979 My '64.

SULFURYL CHLORIDE

[illegible] sulfides. Part 2 [illegible] of alkylene sulfides [illegible] G.I. Epshtein, [illegible] S. Z [illegible] 34 no.6:1948-[illegible] Je '64.

SUMATRA—*PETROLEUM PIPELINES*

Pumping viscous paraffin oils. Transp. i khran. neft. i nefteprod. no. 4:39-41 '64.

SUMY PROVINCE—BRICK INDUSTRY—LABOR PRODUCTIVITY

Make use of all possibilities for increasing the output of brick factories A Ternovs'kyi, M.TSot Sil' bud 12 no12 13-14 D '62

SUMY PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Kovpak, S. A. [From a diary of partisan campaigns] Iz dnevnika partizanskikh pokhodov. Moskva, Izd-vo DOSAAF, 1964. 219 p. map (insert)

SUNBATHS

(see also subdivision under Chartak, Uzbekistan; Uzbekistan)

Helioaerotherapy in the compound treatment of obliterating endarteritis. G. G. Fetisova. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:147-156 '62

Heliotherapy for gynecological patients. S. A. Kasymova. Sbor. trud Uz. gos. nauch. -issl. inst. kur i fizioter. 17 143-146 '62.

Solar radiation and its expedient use in helionerotherapy. E. A. Cherniavskii. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:99-112 '62.

Some data on helionerotherapy for eczema and neurodermatitis under E. A. Cherniavskii's jalousies. I N Ibragimov. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:159-162 '62.

Universal rule for the reading of solar radiation calories in heliotherapy under E. A. Cherniavskii's jalousies. V. A. Saidakhmedov. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17.178-180 '62.

SUNDA ISLANDS—SKINKS

New species of scincoid lizards from the Lesser Sundas (East Indonesia) I. S. Darevskii. Zool. zhur 43 no 1. 80-88 '64.

SUNFLOWER SEED

Globulins of common sunflower (Helianthus annuus L.) seeds. V. G. Klimenko, N. I. D'iachenko. Dokl. AN SSSR 156 no. 2:461-464 My '64.

SUNFLOWER SEED—STORAGE

Chemical preservation of grain, sunflower seeds, and castorbeans with high moisture content. V. Sinel'shchikov. N. Sosedov, M. Riazantseva. Muk -elev. prom. 30 no. 2:15-16 F '64.

SUNFLOWERS

Embryology of the sunflower pollinated by various methods. V. F. Hryshchenko, S. Z. Moskal'chuk. Pratsi Od. un. 150 Zbir. stud. rob. no. 6:159-162 '60.

SUNFLOWERS—FERTILIZERS AND MANURES see subdivision under Kabardino-Balkar A.S.S.R.

SUPERCHARGERS

Determining kinematic parameters of an axial flow supercharger from maximum power conditions. V I. Zelenskii. Trudy LVMI 1:59-65 '62.

SUPERCONDUCTIVITY

Use of superconductors in the excitation of electrical machines. E. IA. Kazovskii, V. P. Kartsev. Elektrichestvo no. 6:74-76 Je '64.

SUPERCOOLING

Effect of supercooling and composition on the rate of crystal growth in blast furnace slags. Sh. Temeshi. Izv. AN SSSR. Met. i gor. delo no. 3:37-41 My-Je '64.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC NOZZLES

Calculation of supersonic axisymmetric jets. T. G. Volkonskaia. Sbor. rab. VTS MGU 2.76-83 '63.

Design of axisymmetric nozzles with allowance for equilibrium physicochemical transformations. U G. Pirumov, V. A. Rubtsov, V. N. Suvorova. Sbor rab. VTS MGU 2:48-69 '63.

Tu, Hsueh-jen, and others. [Setup for producing intense molecular beams by means of a supersonic nozzle] Ustanovka dlia polucheniia intensivnykh molekuliarnykh puchkov s pomoshch'iu sverkhzvukovogo sopla. Dubna, Ob''edinennyi in-t iadernykh issl., 1963. 35 p.

SUPPERS

Effect of the quality of suppers on the gastric secretion in healthy people and in patients with chronic gastritis. F. I. Komarov, A. I. Ivanov, N. F. Lebedev. Vop. pit. 22 no. 6·16-21 N-D '63.

SUPPURATION

Antibiotic therapy of suppurating perineal and gluteal wounds following surgery on the rectum. L. S. Gel'fenbein, T. B. Cherniagina. Khirurgiia 40 no. 2:49-51 F '64.

Resistance of the staphylococcus to antibiotics and characteristics of the course of suppurative infections in children. A. D. Khristich. Khirurgiia 40 no. 2: 24-29 F '64.

Treatment of purulent diseases of the extremities by intraosseous introduction of novocaine and antibiotics. G. I Dmitriev. Vest. khir 91 no. 10:117-118 O '63.

SURFACE-ACTIVE AGENTS

Determining the content of surfactants in waste waters B I Karapaev, I. I Malkina Nefteper i neftekhim no. 7.9-13 '63

Effect of the additions of surface-active substances on the diminution of clinker. N. L. Kudriavtseva, G S. Khodakov. Dokl. AN SSSR 156 no. 2 437-440 My '64

Using surfactants to reduce losses in the storage of petroleum products. G. V. Rudakov. Transp. i khran nefti i nefteprod. no. 4:26-28 '64.

SURFACE CHEMISTRY

Modification of the surface properties of capron fibers by grafting polystyrene. A. I. Kurilenko and others. Dokl. AN SSSR 156 no. 2:372-374 My '64.

SURFACE ENERGY

Determination of the surface energy of benzophenone. A. S. Mikulich. Krist. zhid. no. 2.66-68 '63.

Determination of the surface energy of mannitol and codeine in the solid state. A. S. Mikulich. Krist. zhid. no. 2:32-34 '63.

SURFACE HARDENING

Bogachev, I. N., and R. I. Mints. [Increasing cavitation-erosion resistance of machine parts] Povyshenie kavitatsionno-erozionnoi stoikosti detalei mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 142 p.

Soveshchanie po uprochneniiu detalei mashin, 1962. [Processes of the strengthening of machine parts, reports] Protsessy uprochneniia detalei mashin; [doklady] Moskva, Izd-vo "Nauka," 1964. 207 p.

SURFACE MEASUREMENT

Geometry of the contact surface during metal finishing with a rotating tool. IA R Kanavalau, V. A. Kuliashou Vestsi AN BSSR Ssor fiz -tekh nav. no 1 113-117 '64

SURFACE TENSION

Calculation of the surface tension of liquids from the excess isochore-isoterm potential. Part 2. V V Pavlov, S. I Popel', O. A. Esin. Zhur. fiz. khim. 37 no. 4:797-801 Ap '63.

Effect of phosphorus on the surface tension and density of iron. IU. M. Gogiberidze, M. A. Kekelidze, Sh. M. Mikiashvili. Soob. AN Gruz. SSR 31 no. 1:125-130 Jl '63.

Surface tension and density of $CaO - SiO_2 - CaS$ melts. A. S. Panov, I. S. Kulikov, L M. TSylev. Zhur. fiz khim. 36 no. 6:1353-1354 Je '62.

Surface tension at the liquid - gas interface at high pressures. IU. V. Efremov, I. F Golubev Zhur. fiz. khim. 36 no. 6:1222-1225 Je '62.

Surface tension of strontium. V. B. Lazarev, A. V. Pershikov. Zhur. fiz. khim. 37 no. 4:907-908 Ap '63.

Transitions from stable to metastable states. Part 2. A. N. Kirgintsev, L. N. Efanov. Zhur. fiz. khim. 38 no. 3:745-747 Mr '64.

SURFACES

Equiaffine theory of threes of nonholonomic surfaces. V. V. Vasenin. Sib. mat. zhur. 5 no. 1.22-33 Ja-F '64.

Mapping of L-sequences of n-dimensional projective space onto a stationary hypersurface V. V. Gol'dberg. Sib. mat. zhur. 5 no. 1.39-53 Ja-F '64.

SURFACES (TECHNOLOGY)

"Fundamentals of the design of butt surfaces of machine parts for contact rigidity" by E. V. Ryzhov. Reviewed by V. M. Muchnikov. Vest. mashinostr. 44 no. 2:82-83 F '64.

Roughness of steel surface subjected to high-speed finish turning V V Kovalenko. Trudy LVMI 1.143-148 '62

Study of the surface relief of metals subjected to friction with a loose abrasive. R. Abraitis, J. Majauskas. Trudy AN Lit. SSR. Ser. B no. 1:207-216 '64.

SURGERY

Konferentsiia po voprosam regeneratsii i kletochnogo razmnozheniia, 3d, Moscow, 1962. [Materials of the Third Conference on Problems of Regeneration and Cell Reproduction] Materialy. Moskva, Akad. med. nauk SSSR [n. d.] 202 p.
[DNLM MICROFILM]

Minutes of meetings Nos. 1316, 1317 and 1318 of the Pirogov Surgical Society. F. Kh Kutushev. Vest. khir 91 no. 10:141-156 O '63

Use of levorin, an antifungal antibiotic, in the treatment and prevention of complicated candidiasis in surgical patients. I. G. Rufanov, A. M. Marshak, L. A. Sysoeva. Khirurgiia 40 no. 2:6-11 F '64.

SURGERY—COMPLICATIONS AND SEQUELAE

Acute gastrectasis in tumor patients following operation for cancer. N. D. Garin, L. K. Rolik. Vop. onk. 10 no. 2:34-40 '64.

Acute intestinal obstruction following appendectomy and its treatment. N. S. Timofeev, E. V. Ivanova, V. A. Pletneva. Vest. khir. 91 no. 10:57-61 O '63

Bacteremia in surgical diseases. N. V. Shtiben. Khirurgiia 40 no. 2:32-36 F '64.

Causes of fatal outcomes following radical operations for cancer of the upper section of the stomach involving the esophagus. V. I. Kazanskii and others. Khirurgiia 40 no. 2:93-96 F '64.

Effect of some factors of the local and regional expansion of rectal cancer on its prognosis. D. P Berezkin Vop. onk. 10 no. 2.67-73 '64.

Errors in acute appendicitis V I Struchkov, B. P. Fedorov. Khirurgiia 40 no 2 65-72 F '64

Inflammatory "tumors" following appendectomy B I Chulanov Vest khir 91 no 10 61-65 O '63

Large cystic duct stump and its significance in the occurrence of the so-called postcholecystectomy syndrome V M Sitenko, L E Konstantinova Vest khir 91 no 10 12-18 O '63

Prevention of exogenous infections in surgery. B. M. Voloshchuk. Khirurgiia 40 no 2 36-40 F '64.

Principles of rational antibiotic therapy of some surgical infections. M I. Kuzin, M. A. Chistova. Khirurgiia 40 no. 2:11-19 F '64

Problems in the surgical treatment of cancer of the large intestine. G. P. Zaitsev, V I. IUkhtin. Vop onk. 10 no 2;61-67 '64.

Separate bronchospirometry in lung cancer patients. N. D. Mar'in. Vop. onk 10 no. 2;14-24 '64.

Some complications and hazards in the transduodenal papillectomy O B Porembskii Vest khir 91 no 10 8-12 O '63

Some problems in the surgery of rectal tumors. M M Usova. Vop. onk. 10 no. 2·111-115 '64.

Surgical tactics in adhesive intestinal obstruction N G Gataullin Vest khir 91 no 10 65-69 O '63

Working capacity of patients following radical operations for gastric cancer. A. M. Korkmasov Vop. onk. 10 no. 2;56-61 '64.

SURGERY, OPERATIVE

Approach to the knee joint in the excision of a torn meniscus A. P. Evstropov Ortop, travm. i protez 24 no. 12;33-36 D '63.

Association of lung cancer with esophageal leiomyoma. A. I. Pirogov, A S. Al'bert. Vop. onk 10 no. 2 115-118 '64.

Choledochotomy in chronic and acute cholecystitis. B. A. Petrov, E. I. Gal'perin. Khirurgiia 40 no 2· 56-65 F '64.

Echinococcosis of the muscles. A. A Shkarupelov, T M Kalashnikova Uch zap Stavr gos med inst 8 127-133 '63

Evdokimov, A. I., and G. A. Vasil'ev. [Surgical stomatology] Khirurgicheskaia stomatologiia. Izd. 2., perer. Moskva, Meditsina, 1964. 481 p.
(DNLM)

Leiomyoma of the stomach. A. P. Bazhenova, Kh. Kamilov. Khirurgiia 40 no. 2:152-158 F '64.

Liver injuries complicated by biliary pleurisy M. A. Kozlov. Vest khir 91 no. 10·109-110 O '63

Lopukhin, IU. M., and M. N. Molodenkov. [Practical manual on operative surgery] Praktikum po operativnoi khirurgii. Izd. 2., perer. [Moskva] Meditsina, 1964. 234 p.

Method of surgical treatment in congenital hip dislocation. N. Ignatov. Ortop., travm. i protez. 24 no. 12. 29-32 D '63

Pathogenesis and treatment of acute pancreatitis. M. N. Molodenkov. Khirurgiia 40 no. 2:72-78 F '64.

Rare case of primary multiple tumors. L. A. Kolomitskaia, A T Turganbaev, V. A Chibunovskii Trudy Inst. klin i eksp. khir. AN Kazakh. SSR 8.146-150 '62.

Some surgical problems in echinococcosis. IU. S. Gilevich Uch zap Stavr. gos. med inst. 9·232-257 '63

Subcutaneous fistuloenterostomy in alveolar echinococcosis of the liver V. A. Sukhov, A. B. Rusakov Vest khir 91 no. 10·115 O '63

Surgical treatment of hyperinsulinism. O. V. Nikolaev, A. P. Kalinin, E. G. Veinberg. Khirurgiia 40 no. 2: 134-140 F '64.

Transastragalar amputation using a medioplantar flap. A. V. Rozhkov. Ortop., travm. i protez 24 no. 12;24-29 D '63.

Vsesoiuznaia konferentsiia khirurgov travmatologov i anesteziologov. 2d, Baku, 1961. [Transactions of the Second All-Union Conference of Surgeons, Traumatologists and Anesthesiologists] Trudy konferentsii. Moskva, Medgiz, 1963. 383 p.
(DNLM)

SURGERY, PLASTIC

Elongation of a short shoulder stump. A. N. Keier. Ortop., travm. i protez. 24 no. 12;53-55 D '63.

SURGICAL DRAINAGE see Drainage, Surgical

SURGICAL PLASTER CASTS see Plaster casts, Surgical

SURIKOV, VASILII IVANOVICH, 1848-1916

Uloza, Vilhelmas. [Surikov] Surikovas. Vilnius, Valstybinė politinės ir mokslinės lit-ros leidykla, 1963. 46 p. [In Lithuanian]
(MH)

SURKHAN-DARYA PROVINCE—CLIMATOLOGY, MEDICAL

Climatic conditions in areas of Surkhan-Darya Province, Uzbek S.S.R. A. P. Drynkin, G. P. Lazarenko. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:23-31 '62.

[illegible]

[illegible] eans of an [illegible] Izv. vys. ucheb. [illegible] 41-44 '63

[illegible] 77 Ja '63

[illegible] the volume [illegible] G N. [illegible] geod. i aerof. no 6 131-[illegible]

[illegible] of geodetic lines [illegible] parallel V N Gan'shin. [illegible] no 6 3-4 '63

[illegible] G A Litvinov. [illegible] i aerof. no 6 5-14 '63.

Moscow. [illegible] institut po proektirovaniiu [illegible] transporta [Methodological instructions on [illegible] purposes] Metodicheskie ukazaniia po proizvodstvu geodezicheskikh rabot dlia [illegible] proektov na mestnost'. [Izd. 2, perer.] [illegible], 1963 53 p

[MICROFILM]

[illegible] artificial earth satellite [illegible] O S Kazanov. Izv. vys. [illegible] no 6 15-33 '63

[illegible] sewerage collector pipes. I [illegible] Izv. vys. ucheb. zav., geod. i aerof. [illegible]

[illegible], N G, and D I. Rakitov. [Application of surveying to engineering and construction operations; surveying at building sites] Prilozhenie geodezii v inzhenerno-stroitel'nom dele, geodezicheskie raboty na stroitel'noi ploshchadke. Izd. 2., ispr. i dop. Moskva, Izd-vo "Nedra," 1964. 398 p.

SURVEYING—STUDY AND TEACHING

[illegible] M [illegible] Nar obr no 6 63-64 [illegible]

SUSLIKS see subdivision under Saratov Province

SUSPENSIONS (CHEMISTRY)

A[illegible] the separation of suspensions in the NOGSh-[illegible] centrifuge with a plate package M M Vasil'ev [illegible] no 1 14-17 Ja '63

Precipitation of suspended and colloidal substances from neutralizates by means of polyacrylamide E A [illegible], Gidroliz i lesokhim prom. 17 no 4,20 '64

Some correlations in the process of recrystallization of a polydisperse system V M Biakov, O P Stepanova Zhur fiz khim 33 no. 6:1324-1326 Je '62

Using a hydrocyclon as a thickener for suspensions of very low concentrations. A. M. Grekova and others. Khim. i tekh. topl. i masel 7 no. 10:46-51 O '62.

SUTURES

Use of capron and porolon for the reinforcement of hemostatic sutures in the liver, experimental morphologic study E N Meshalkin, A. F Oberfel'd, L. L. Kapuller Khirurgiia 40 no 2.81-86 F '64

Use of the polyamide thread "zhilka" for skin sutures in oncological operations A N. Matytsin. Vop. onk. 8 no 10:100-103 '62

SVANETIYA—GEOLOGY, STRUCTURAL

New data on the tectonics of the central part of the Greater Caucasus (in the boundaries of Svanetiya) P D Gamkrelidze Soob AN Gruz SSR 31 no 3 605-612 S '63

SVERDLOVSK—BOTANICAL GARDENS

From the history of the botanical garden in Sverdlovsk. S A Mamaev Trudy Inst biol UFAN SSSR no 31 3-11 '63

Valuable species of trees and shrubs in the old plantings of the botanical garden S A Mamaev Trudy Inst. biol UFAN SSSR no 31 13-29 '63

SVERDLOVSK—GREENHOUSE PLANTS—DISEASES AND PESTS

Ornamental plant pests in the greenhouse of the botanical garden and the measures for their control. A I Shirshova Trudy Inst biol UFAN SSSR no 31 81-87 '63

SVERDLOVSK—INSECTS, INJURIOUS AND BENEFICIAL

Ornamental plant pests in the greenhouse of the botanical garden and the measures for their control A I Shirshova Trudy Inst biol UFAN SSSR no. 31.81-87 '63

SVERDLOVSK—JOINTS (ENGINEERING)

Butt joints of outer wall panels. IU. Barkov, P. Budo. Zhil stroi no 5 9-11 '64.

SVERDLOVSK—WILLOWS

Frost resistance and the rate of growth of young willows in Sverdlovsk V I Shaburov Trudy Inst biol. UFAN SSSR no 31.33-37 '63.

SVERDLOVSK—WOODY PLANTS

Valuable species of trees and shrubs in the old plantings of the botanical garden S A Mamaev. Trudy Inst. biol UFAN SSSR no 31 13-29 '63

SVERDLOVSK PROVINCE—COMMUNITY AND SCHOOL

Friendship helps. V Kyrkalov Nar obr. no. 6:43-46 Je '64

SVERDLOVSK PROVINCE—CONSERVATION OF NATURAL RESOURCES

Conservation of nature in the health resorts of Sverdlovsk Province, based on the resort Kur'y N. K. Deksbakh, L F. Mel'chakov. Okhr. prir. na Urale no 2 59-66 '61.

Work of the Council of the Sverdlovsk Province Section of the Russian Society for Promotion of Conservation and Landscaping of Populated Places in 1960 V. V. Tarchevskii. Okhr prir. na Urale no. 2:173-174 '61.

SVERDLOVSK PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Conservation of nature in the health resorts of Sverdlovsk Province, based on the resort Kur'y. N. K. Deksbakh, L. F. Mel'chakov. Okhr. prir. na Urale no. 2 59-66 '61.

SVERDLOVSK PROVINCE—INDUSTRIAL WASTES

Observations on the revegetation of dust producing industrial waste areas in Sverdlovsk Province, V. V. Tarchevskii. Okhr. prir. na Urale no. 2:51-58 '61.

SVERDLOVSK PROVINCE—LAKES

Golovko, V. K. [Lakes of our territory] Ozera nashego kraia. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 134 p.

SVERDLOVSK PROVINCE—RESERVOIRS

Conservation of natural resources and small reservoirs near large cities and industrial centers of Sverdlovsk Province. N. K. Deksbakh. Okhr. prir. na Urale no. 2: 161-162 '61.

SVERDLOVSK PROVINCE—REVEGETATION

Observations on the revegetation of dust producing industrial waste areas in Sverdlovsk Province. V. V. Tarchevskii. Okhr. prir. na Urale no. 2,51-58 '61.

SVERDLOVSK PROVINCE—WATER—POLLUTION

Conservation of natural resources and small reservoirs near large cities and industrial centers of Sverdlovsk Province. N. K. Deksbakh. Okhr. prir. na Urale no. 2: 161-162 '61.

SWALLOWS AS CARRIERS OF DISEASE see subdivision under Ob' Valley

SWAMPS

(see also subdivision under Baraba Steppe)

Calculating the level regimes of undrained raised bogs on the basis of meteorological data. S M Novikov Trudy GGI no. 112 5-32 '64

Types of bog microlandscapes as indices of the peat species in the upper layers of the deposit in lower bogs. E A Romanova Trudy GGI no. 112,54-81 '64

SWEDEN—APARTMENT HOUSES

Large-panel apartment house construction in Sweden. G. F. Kuznetsov. Bet. i zhel.-bet. 10 no. 4:183-186 Ap '64.

SWEDEN—EDUCATION

Changes in the public education system in Sweden. E Dal'strem Nar obr no. 7:94-96 Jl '64.

SWEDEN—ELECTRIC POWER PLANTS

Gas turbine electric power plants in Sweden. A P. Sal'kov. Teploenergetika 10 no. 10 82-89 O '63.

SWEDEN—GAS TURBINES

Gas turbine electric power plants in Sweden. A. P. Sal'kov Teploenergetika 10 no. 10:82-89 O '63.

SWEDEN—HISTORY

Kan, A. S. [Recent history of Sweden] Noveishaia istoriia Shvetsii. Moskva, IMO, 1964. 303 p.

SWEDISH LANGUAGE—DICTIONARIES—RUSSIAN

Maksimov, V. F., comp. [Swedish-Russian technical dictionary] Shvedsko-russkii politekhnicheskii slovar'. Pod red. L. IA. Popilova i L. V. Elkhval'da. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 1257 p.

SWIMMING

Everyone should know this. V. Maksimenko, P. Mikhailov Voen znan 40 no 6 40 Je '64

Organization and teaching methods of mass instruction in swimming in a Pioneers' camp. V. V. Pyzhov. Teor. i prak. fiz. kul't. 27 no. 6:70-73 Je '64.

Physical training level for swimmers. N. D. Tret'iakov, G. I. Cherniaev. Teor. i prak. fiz. kul't. 27 no. 6:15-18 Je '64.

Training of the higher class swimmers. V. F. Kitaev. Teor. i prak. fiz. kul't. 27 no. 6:18-20 Je '64.

Two hundred meters by any method. A. Van'kov. Sov. voin 46 no. 13.45 Jl '64.

Vitally necessary skill. N. Butovich. Voen. znan 40 no 6.41-42 Je '64

SWINE—DISEASES AND PESTS

(see also subdivision under White Russia)

Materials on influenza (enzootic bronchopneu[illegible] of swine V I Kotov, A M Bor[illegible] [illegible] Inst 17 no 2 47-52 '62

Some data on the nature of changes in the [illegible] content of young pigs lagging in growth and de[illegible] V K. Khokhlachev, B S K[illegible] [illegible] Inst 17 no 2:225-229 '62

Study of the etiology of infectious atrophic rhinitis [illegible] swine with the help of tissue cultures A [illegible] Mikrobiol. zhur 25 no 6.33-37 '64.

SWINE—FEEDING AND FEEDS

(see also subdivision under Lithuania, White Russia)

Effect of cobalt chloride on the growth of [illegible] the weight gain per feed unit A K Rud[illegible] Glumov Vest sel'khoz nauki [Kazakh.] [illegible] Je '64

Lysine and swine feeding. V. G. Riadchikov. Izv. [illegible] no. 5:146-165 '63.

Use of crystal biomycin and vitamin B_{12} in [illegible] ing F. A Cherchen. Trudy Bel. nauch. [illegible] 3:304-311 '62

SWINE—PARASITES see Parasites—Swine

SWINE BREEDING

(see also subdivision under Vitebsk Province, White Russia)

Theory and practice of inbreeding in swine [illegible] Voitko. Trudy Bel. nauch. issl. inst. zhiv. [illegible]

SWITCHING CIRCUITS

Synthesis of relay structures based on different f[illegible] ally complete systems of logical elements. P. P. Parkhomenko. Avtom. i telem. 25 no. 6:[illegible] '64.

SYDNONE IMINE

Sydnones and sydnone imines. Part 21: Salt-forming properties of N_6-acyl derivatives of sydnone imines V. G. IAshunskii, O. I. Samoilova, L. E. Kholodov. Zhur. ob. khim. 34 no. 6:2050-2058 Je '64.

SYDNONES

Sydnones and sydnone imines. Part 21: Salt-forming properties of N_6-acyl derivatives of sydnone imines V. G. IAshunskii, O. I. Samoilova, L. E. Kholodov Zhur. ob. khim. 34 no. 6:2050-2058 Je '64.

Sydnones and sydnone imines. Part 22: Reaction of vinyl ethers with 3-phenylsydnone V. F. Vasil'eva, V. G. IAshunskii. Zhur. ob. khim. 34 no. 6:[illegible] Je '64.

SYLVA RIVER—ROCKS, SEDIMENTARY

Bioherms of the Permian age on the Sylva River. [illegible] Gekker. Okhr. prir. na Urale no. 2:148-154 '61.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMMETRY (BIOLOGY)

Asymmetry in electrical reactions of the frog brain response to differently located light sources. V [illegible] Bianki Zhur. vys. nerv. deiat. 13 no 6.1087-[illegible] D '63

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPATHOLYTIC AGENTS

Pharmacological characteristics of xylocholine and bretylium, sympatholytic preparations of a new type of action. V. M. Avakian. Izv. AN Arm. SSR, Biol nauki 16 no. 2:31-40 F '63.

SYMPATHOMIMETIC AGENTS

Effect of γ-aminobutyric acid on the level of catecholamines in the blood N. A. Esaian, M. A. Rostomian Dokl. AN Arm. SSR 36 no. 5:307-309 '63

SYNAPSES

Interneuronal connections in the cortical ending of the motor analyzer following the exclusion of visual reception. V. P. Babmindra, A. S. Batuev. Vest. LGU 19 no. 9:116-121 '64.

SYNOVIAL MEMBRANES—SURGERY

Restoration of the knee joint bursa following experimental synovectomy. I. Suleimanov. Ortop., travm. i protez. 24 no. 12:41-47 D '63.

SYNTHETIC FABRICS

Morushkin, G. V. [Synthetic films in the manufacture of furniture] Sinteticheskie plenki v proizvodstvo mebeli. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no. 2)

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYRIA—PALEOGEOGRAPHY

River left its valley. K. I. Mirzaev. Priroda 53 no. 7 113-115 '64.

YRINGOMYELIA

Nature of sensory disorders in lesions of the autonomic nervous system I.I Shogam Zhur nevr i psikh 64 5:701-706 '64.

YROMIATNIKOV, IVAN ARKAD'EVICH, 1904-

I.A.Syromiatnikov, doctor of technical sciences. Izv. vys ucheb.zav., energ 7 no.5 127-128 My '64

YSTEMS (CHEMISTRY)

Aqueous reciprocal system of the chromates and bicarbonates of sodium and ammonium E N Pinaevskaia, S.L.Antoshkina, N N.Noskova Zhur prikl khim 37 no.5:989-1000 My '64

Calculation of the saturated vapor pressure in binary systems in which the chemical interaction between components occurs in the vapor phase N L IArym-Agaev, E A Kogan, E.D.Soldatova Zhur fiz.khim. 35 no.6:1173-1179 Je '62

Defining ternary systems with three complexes Part 1 Prevailing system is irrational I L Krupatkin N D Medvedeva Zhur ob khim 34 no 5 1379-1383 My '64.

Effect of the nature of the fusing agent on the formation of anomalous mixed crystals CaF_2-CeF_3 and CaF_2-YF_3. K.G.Miakishev, V R Klokman Radiokhimiia 5 no.6:649-655 '63.

Electric resistance of sulfur - phosphorus and sulfur - arsenic melts. A.I.Soklakov, S V Mel'nikova. Zhur. fiz.khim 36 no.6:1339-1341 Je '62

Intersection of conoids and phase distribution of components in ternary systems with closed demixing isotherms. D.N.Tarasenkov, M.I Kogurova Zhur. fiz khim 37 no.4:730-738 Ap '63.

Isothermal sections of binary systems monocyclic arenes - water at 25, 100, and 200°C. A N.Guseva, E.I.Parnov. Zhur.fiz.khim. 38 no.3:805-806 Mr '64.

On a certain problem in three-component diffusion. P.E.Suetin, B.A Ivakin. Zhur.fiz.khim. 38 no.3:576-578 Mr '64.

Study of multicomponent heterogeneous systems by phase mass measurement. Part 3 L S Palatnik, N.D. Gorban'. Zhur.fiz khim. 36 no.6:1276-1279 Je '62.

Study of the system $InCl_3$ - Li_2S - H_2O by the methods of physicochemical analysis. E.M.Nanobashvili, E.S. Vachnadze. Soob.AN Gruz.SSR 33 no.1:85-92 Ja '64.

YSTEMS ENGINEERING

Continual models and stability in small of dynamic systems consisting of a multitude of similar elements. N.A.Kartvelishvili. Izv.AN SSSR Mekh.i mashinostr. no.3:51-60 My-Je '64.

ABASARAN LANGUAGE

Labiodental consonants in the Tabasaran language. A.A.Magometov. Soob.AN Gruz.SSR 31 no 2:503-509 Ag '63

ABLETS (MEDICINE)

From the working experience of pharmaceutical industries. Report No.3 Tablet-producing plants. O.I. Belova, G.I.Ratkevich. Apt.delo 11 no.6:48-52 N-D '62.

ACHOMETER

Optimum parameters of an asynchronous tachometer generator. G.S.Somikhina. Izv.vys.ucheb.zav.; elektromekh 7 no.6:688-697 '64.

Tachometer based on the hall effect. E.Kuchis, T.IAzbutis. Radio no.3:26-27 Mr '64.

ACTICS

Party and political work at tactical exercises. E.Nazarov. Komm.Vooruzh.Sil 4 no.13:89-92 Jl '64.

Tactical maturity of an officer. F.Gavrikov, IA.Davydov. Voen.vest 42 no 12 20-28 D '62.

ACTICS—PROBLEMS, EXERCISES, ETC.

How do you know tactics, topography and equipment? Starsh.-serzh no.6:11 Je '64.

AGANROG BAY—MARINE FOULING

Effect of some poisonous substances on the major fouling organisms in Tanganrog Bay. E.V.Iskra and others. Trudy Inst.okean. 70.259-269 '63.

AILINGS (METALLURGY)

Flotation of iron oxides from tailings of the magnetic dressing of ferruginous hornblende. B.I Nikolaenko. Sbor.nauch trud.KGRI no.21:251-257 '63.

AJIK LITERATURE—HISTORY AND CRITICISM

Zand, M.I. [Six centuries of glory; outline of Persian-Tajik literature] Shest' vekov slavy; ocherki persidsko-tadzhikskoi literatury. Moskva, Izd-vo "Nauka," 1964. 250 p.

AJIKISTAN—BIOCHEMISTRY—CONGRESSES

Nauchnaia konferentsiia Tadzhikskogo biokhimicheskogo obshchestva (otdeleniia vsesoiuznogo biokhimicheskogo obshchestva pri AN SSSR), 1st. [Abstracts of reports of the First Scientific Conference of the Tajik Biochemical Society (a branch of the All-Union Biochemical Society of the Academy of Sciences of the U.S.S.R.)] Tezisy dokladov. Dushanbe, 1962. 30 p.
[MICROFILM]

TAJIKISTAN—BOTANY—ECOLOGY

Karimov, Kh.Kh. [Winter growth and summer dormancy of the plants of Tajikistan] O zimnei vegetatsii i letnem pokoe rastenii Tadzhikistana. Dushanbe, Akad. nauk Tadzhikskoi SSR, 1964. 24 p.

TAJIKISTAN—FISHES

Maksunov, V.A. [Fishes of northern Tajikistan and their commercial use] Ryby Severnogo Tadzhikistana i ikh khoziaistvennoe ispol'zovanie. Dushanbe, [Izd-vo Akad. nauk Tadzhikskoi SSR], 1964 43 p.

TAJIKISTAN—GEOLOGY, STRUCTURAL

Vsesoiuznoe tektonicheskoe soveshchanie, 2d, Dushanbe. [Excursion guide of the Second All-Union Tectonics Conference] Putevoditel' ekskursii. Dushanbe, In-t geologii Akad. nauk Tadzhikskoi SSR, 1962. 98 p.
[MICROFILM]

TAJIKISTAN—HEMIPTERA

Kirichenko, A.N. [Hemiptera (Heteroptera) of Tajikistan] Poluzhestokrylye (Hemiptera-Heteroptera) Tadzhikistana. Pod red. M.N.Narzikulova i E.P. Luppovoi. Dushanbe, Izd-vo Akad nauk Tadzhikskoi SSR, 1964. 256 p.

TAJIKISTAN—HISTORY

Irkaev, M., and IU.Nikolaev. [Battles for Soviet Tajikistan] V boiakh za Sovetskii Tadzhikistan. Stalinabad, Tadzhikgosizdat, 1957. 133 p.
(CSt-H)

TAJIKISTAN—PARASITES—SCALE INSECTS

Entomophagous parasites of scale insects in Tajikistan. E A Borovkov Uch.zap Tadzh un 17 Trudy Fak.est nauk no 3 47-52 '58.

TAJIKISTAN—RED SPIDER

Lindt, I.I. [Biology of the common red spider (Tetranychus telarius L.) in southern Tajikistan] Biologiia obyknovennogo pautinnogo kleshcha (Tetranychsu telarius L.) v IUzhnom Tadzhikistane. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 114 p.

TAJIKISTAN—ZOOLOGICAL RESEARCH

Development of zoological research in Tajikistan during the Soviet period I.D Ivanenko Uch zap Tadzh un 17 Trudy Fak est nauk no 3:15-20 '58.

TAMAN' PENINSULA—GAS, NATURAL—GEOLOGY

New data on the prospects for finding gas and oil in the Blagoveshchenskaya area of Taman' Peninsula. P.K. Liakhovich. Neftegaz.geol.i geofiz. no.11:21-23 '63.

TAMAN' PENINSULA—GEOLOGY, STRUCTURAL

Subsurface structure of the Taman' Peninsula according to the data of seismic investigations. M.R.Pustil'nikov, IA.M.Rabkin. Neftegaz.geol.i geofiz. no.11.48-52 '63.

TAMAN' PENINSULA—PETROLEUM GEOLOGY

New data on the prospects for finding gas and oil in the Blagoveshchenskaya area of Taman' Peninsula. P.K. Liakhovich. Neftegaz.geol.i geofiz. no.11:21-23 '63.

Subsurface structure of the Taman' Peninsula according to the data of seismic investigations. M.R.Pustil'nikov, IA.M.Rabkin. Neftegaz.geol.i geofiz. no.11.48-52 '63.

TAMBOV—SEWAGE—PURIFICATION

The TSna will be clean. E.Apanasenko. Zhil.-kom khoz. 13 no.9.27-28 S '63

TAMBOV PROVINCE—CORN (MAIZE)

Unit's work practice on a business accounting basis. V.Kramorenko, M.Lavrinenko. Ekon.sel'khoz. 34 no.12:92-94 D '63.

TAMBOV PROVINCE—LUPINE

Some characteristics of the biology and cultivation practices of Lupinus albus and L. mutabilis in Tambov Province. G.G.Gataulina. Izv.TSKHA no.5:74-85 '63.

TAMBOV PROVINCE—STATE FARMS—AUDITING AND INSPECTION

Control of execution is the main thing. K.Bogdanov. Fin.SSSR 38 no.7:56-58 Jl '64.

TAMBOV PROVINCE—STATE FARMS—FINANCE

Unit's work practice on a business accounting basis. V.Kramorenko, M.Lavrinenko. Ekon.sel'khoz. 34 no.12:92-94 D '63.

TANK CARS—EQUIPMENT AND SUPPLIES

Reviewing the designs of instruments for bottom discharge of petroleums and petroleum products. I.E.Mindlin. Neft.khoz. 42 no.3:49-52 Mr '64.

TANK TRUCKS

Characteristics of the specialized transportation used by confectionery enterprises. IU.P.Sorochan. Khleb. i kond.prom. 6 no.7:39-42 Jl '62.

TANK WARFARE

Belokon', A.P., and V.T.Korneichuk. [Engineer support in an attack of a motorized rifle (tank) battalion (company)] Inzhenernoe obespechenie nastupleniia motostrelkovogo (tankovogo) batal'ona (roty). Moskva, Voenizdat, 1964. 204 p.

The expert conquers A Ivanov Voen vest 42 no 12 41-46 D '62

For high speeds I Akul'shin. Voen vest 42 no 12:46-48 D '62

Paces of an offensive of a tank army. P.Rotmistrov. Voen.-ist.zhur. 6 no.6:27-30 Je '64.

Serve your country wholeheartedly P Basakin. Voen vest 42 no 12 33-43 D '62

TANKS

(see also subdivision under Saratov Province)

Carrying capacity of cylindrical tanks with a flat bottom. N.A Forsman. Izv.AN SSSR.Mekh.i mashinostr. no.3:106-112 My-Je '64.

Device preventing the deposition in oil tanks. L.S. Abramzon, IU.A.Skovorodnikov Transp i khran.nefti no.3:16-19 '63.

Increase the dependability of steel tanks. IU.K.Ishchenko, A.S.Arzunian, S.I.Verevkin. Stroi.truboprov. 8 no.11:14-16 N '63.

It is necessary to improve the design solutions of condensation tanks. O.N.Zhat'ko. Stroi.truboprov. 8 no.11:18-20 N '63.

Losev, B.I., M.L.Monina, and G.V.Putintsev. [Using plastics and synthetic materials in the petroleum and gas industry] Ispol'zovanie plasticheskikh mass i sinteticheskikh materialov v neftegazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 243 p.

Performance of petroleum-plant tanks. V.L.Berezin, A.G.Gumerov, K.E Rashchepkin. Transp i khran. nefti no.3:19-21 '63

Sealing annular gaps in tanks with metal pontoons roofs. M E.Shvarts. Transp.i khran nefti no.3:12-16 '63

Selecting concrete mixtures for precast reinforced concrete tanks. A.E.Fidler, V.A.Landa Stroi. truboprov. 8 no.11:23-25 N '63.

Using the S-630A unit for guniting reinforced concrete tanks. I.IU.Perel'shtein. Stroi.truboprov. 8 no.11:22-23 N '63.

TANKS—CORROSION see subdivision under Bashkiria

TANKS (MILITARY SCIENCE)

Evacuation of tracklaying vehicles. A.Mashkarenko and others. Tekh.i vooruzh. no.6:46-49 Je '64

Katunskii, A.M. [Tank driving] Vozhdenie tankov. Moskva, Voenizdat, 1964. 117 p.

TANKS (MILITARY SCIENCE)—EQUIPMENT AND SUPPLIES

With the assistance of a device for night vision. S.Pansik. Starsh.-serzh. no.6:27 Je '64.

TANTALUM CARBIDES

Standard heats of formation of tantalum carbides from the phase Ta_2C. A.N.Kornilov and others. Zhur.fiz. khim. 38 no.3:702-707 Mr '64.

TAPEWORMS

(see also subdivision under Tomsk Province; Voronezh Province)

Hyperparasitism of Bunostomum trigonocephalum on Anoplocephala of the ruminants of Azerbaijan. I.A. Sadykhov, M.L.Kolesnichenko. Dokl.AN Azerb.SSR 20 no.3.65-67 '64.

Some data on the pathogenesis of the pernicious anemia syndrome in diphyllobothriasis I.V.Lybin. Trudy TomNIIVS 14:122-126 '63.

TAPEWORMS—HOST ANIMALS see subdivision under Armenia

TARASOV, ANATOLII VLADIMIROVICH

Trainer of champions. V.Sysoev. Sov.voin 46 no.12:40-41 Je '64.

TASHKENT—CLIMATOLOGY, MEDICAL

Biomicroclimatic zones of the "Pobeda" Park Forest in Tashkent. G.P.Lazarenko. Sbor.trud.Uz.gos.nauch.-issl.inst.kur.i fizioter. 17:172-177 '62.

TASHKENT—PARKS

Biomicroclimatic zones of the "Pobeda" Park Forest in Tashkent. G.P.Lazarenko. Sbor.trud.Uz.gos.nauch.-issl.inst.kur.i fizioter. 17:172-177 '62.

TASHKENT PROVINCE—MONEY

Currency circulation under the new conditions. IU.Grechishchev. Den.i kred. 22 no.6:44-48 Je '64.

TASTE

Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriate dietary regimen. N.S.Zaiko, M.I.Kuznetsov, N.A.Chelnokova. Biul.eksp.biol.i med. 56 no.8:11-13 Ag '63.

TATAR A.S.S.R.—ECONOMIC CONDITIONS

Belialov, U.B. [Supervision of economic construction in Tataria during the civil war (1918-1920)] Rukovodstvo khoziaistvennym stroitel'stvom v Tatarii v gody grazhdanskoi voiny (1918-1920). Kazan', Izd-vo Kazanskogo univ., 1963. 207 p.
(ViU)

TATAR A. S. S. R.—EDUCATION

[illegible] state care. A. Syshev [illegible] 21 Je '64

TATAR A. S. S. R.—OIL FIELDS

New oil field in the Tatar A. S. S. R. I. S. Vol'fson, M. N. Te[illegible] Khim. i tekh. topl. i masel 9 no. 5 29-31 My '64

TATAR A. S. S. R.—PARAFFINS

[illegible] the processes of paraffin deposition in the tubing of wells [illegible] Tatar A. S. S. R. R. A. [illegible] 41 no. 7:45-51 Jl '63.

TATAR A. S. S. R.—PETROLEUM—ANALYSIS

New oil field in the Tatar A S S R. I S Vol'fson, M N. Telesh[illegible] Khim i tekh topl i masel 9 no 5 29-31 My '64.

TATAR A. S. S. R.—PETROLEUM PRODUCTION

Investigating the effect of sand quality on the efficiency of sand-jet perforation O A Moskovtsev, R. G Mulikov, I V. Krivorosov Neft khoz 41 no 11:41-43 N '63

TAUTOMERISM

Basic aspects of the theory of electronic tautomerism in the light of newest electronic concepts V V Rastamovskii Zhur ob khim 34 no 5 1693-1698 My '64

TAXATION see subdivision under United States

TAYMYR NATIONAL AREA—ECONOMIC CONDITIONS

Economics of the Far North IU B. Strakach. Izv. SO AN SSSR no 9 Ser obshchestv. nauk no 3:29-36 '63

TEA see subdivision under Astara District; Georgia

TEA—FERTILIZERS AND MANURES see subdivision under Zakataly region

TEA—STORAGE

Gogiia, V. T. [Tea storage] Khranenie chaia. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 89 p.

TEA—VARIETIES see subdivision under Azerbaijan; Krasnodar Territory

TEACHERS

Brief notes on books N. F Isaenko, V. L. Geikhman, V. A Kovalev. Vest. vys shkoly 22 no. 5:94-96 My '64

TEACHERS, TRAINING OF

What kind of pedagogical institutes do we need. G Balanius Nar obr no 7 26-30 Jl '64.

TEACHING

(see also subdivision under Bashkiria; Chernigov)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii [Raising the efficiency of teaching in secondary schools] Povyshenie effektivnosti obucheniia v srednei shkole. Pod red. T. V. Kudriavtseva, Moskva, Prosveshchenie, 1964. 124 p. (Pedagogicheskie chteniia)

Didactics as a dialectical science P Erdniev. Nar. obr. no 6 51-54 Je '64

Interest is the best stimulus N. Khmel' Nar. obr no 6 116-117 Je '64.

Let's instruct them creatively, let's teach them better methods of study Nar obr. no 7 1-7 Jl '64

Let's never forget about the students N Pokrovskii Nar obr no 7 79 Jl '64

TEACHING MACHINES

Combined control before laboratory work. E. I. Fialko Vest vys shkoly 22 no 5 37-38 My '64.

Examiner and coach. B. Naidenov and others. Radio no. 3:21-22 Mr '64.

"Indispensable assistant in independent work", five interviews of the "Leningrad University." Vest vys. shkoly 22 no 5 41 My '64.

New book on teaching machines. IU. I. Birilko. Vest vys. shkoly 22 no. 5 39-40 My '64.

Teaching machines. A. Prikhod'ko. Radio no. 3:19-20 Mr '64.

TEBERDA VALLEY (GEORGIA)—COAL GEOLOGY

Petrography of the Lias coals of the lower Teberda Valley. G. P. Pataridze. Isv. Geol. ob-va Gruz. 3 no. 2:17-28 '64.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION

For technical knowledge, for skill! E. Dmitriev. Starsh.-serzh. no. 6:26-27 Je '64.

For those who want to become technicians. Transp. stroi. 13 no. 12:40-41 D '63.

Practical exercises in a plant. P. I. Morozov. Vest. vys. shkoly 22 no. 5 84-85 My '64.

Skatkin, M. N. [Problems in technical education; transactions of the Institute of General and Technical Education] Voprosy politekhnicheskogo obrazovaniia; trudy Instituta obshchego i politekhnicheskogo obrazovaniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 341 p.
(DBC)

Take care of high technical culture. V. Komissarov. Komm. Vooruzh. Sil 4 no 13:49-54 Jl '64.

TECHNICAL WRITING

Gilenson, P. G. [Method of technical editing] Metodika tekhnicheskogo redaktirovaniia. Moskva, Izd-vo "Kniga," 1964. 185 p.

TECHNOLOGICAL INNOVATIONS

Course of the All-Union Public Inspection of the carrying-out of research plans and of the introduction of scientific and technical achievements into the national economy. S. A. Kandash. Vest. mashinostr. 44 no. 2,80-81 F '64.

[Leaflet for the innovator and the inventor] List, rats. i izobr. nos. 3-4, 6-7 '62.

Nauchnaia konferentsiia kompleksnoi problemnoi laboratorii, 2d. [Proceedings of the Second Scientific Conference of the Research Laboratory for Interconnected Problems] Materialy. Krasnoiarsk, Kompleksnaia problemnaia laboratoriia, 1962. 118 p.
[MICROFILM]

Recommended by the Leningrad council of innovators. A. G Pavlov Mashinostroitel' no 5:16-17 My '64.

This can be used in your enterprise. Mashinostroitel' no 4 22-23 Ap '64

This can be used in your enterprise. Mashinostroitel' no 5:18-19 My '64.

Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov. TSentral'nyi Sovet. [Collection of materials to aid the organizational units of the All-Union Society of Inventors and Rationalizers] Sbornik materialov v pomoshch' organizatsiiam VOIR. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issl., 1963. 187 p.

TECHNOLOGICAL INNOVATIONS—FINANCE see subdivision under Kazakhstan

TECHNOLOGICAL INNOVATIONS—LAWS AND LEGISLATION

Russia (1923- U. S. S. R.) Laws, statutes, etc. [An aid to efficiency experts and inventors] V pomoshch' ratsionalizatoru i izobretateliu. Minsk, Izd-vo "Belarus'," 1964. 204 p.

TECHNOLOGY

(see also subdivision under Kazakhstan)

Dvorkin, I. N. [Will technology save them? A criticism of "technological" theories in bourgeois economics] Spaset li ikh tekhnika? Kritika "tekhnologicheskikh" teorii v burzhuaznoi politicheskoi ekonomii Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 13)

Technological progress and the new International Unit System IA H Shtepan Khim. prom (Ukr.) no. 1: 83-86 Ja-Mr '63

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—DICTIONARIES

Maksimov, V. F., comp. [Swedish-Russian technical dictionary] Shvedsko-russkii politekhnicheskii slovar'. Pod red. L. IA. Popilova i I. V. Eikhval'da. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 1257 p.

Zauer, N. S., comp. [Russian-Bulgarian technical dictionary] Russko-bolgarskii politekhnicheskii slovar'. Pod red. N. I. Popova. Moskva, Izd-vo "Sovetskaia entsiklopediia," 1964. 471 p.

TECHNOLOGY—INFORMATION SERVICES

(see also subdivision under Leningrad Province; White Russia)

Shcherbakova, O. A. [Forms and methods of work in technological information and propaganda at small enterprises; work practices of enterprises under the direction of the executive committee of the Leningrad City Soviet. Materials of a short-term seminar on "Technological information and propaganda at small enterprises"] Formy i metody raboty po tekhnicheskoi informatsii i propagande na malom predpriiatii; opyt raboty predpriiatii upravleniia bytovogo obsluzhivaniia ispolkoma Lengorsoveta. Materialy kratkosrochnogo seminara "Tekhnicheskaia informatsiia i propaganda na malom predpriiatii." Leningrad, Leningr. Dom nauchno-tekhn. propagandy, 1963. 29 p.
[MICROFILM]

TECHNOLOGY AND CIVILIZATION

Kazakov, V. I. [Technological progress is the highroad to communism] Tekhnicheskii progress - stolbovaia doroga k kommunizmu. Moskva, Sovetskaia Rossiia, 1964. 66 p. (Resheniia XXII s"ezda KPSS - v zhizn'!)

Social conditions in the various parts of the world. Sots. obesp 25 no. 5:60-63 My '64.

TEETH—ABNORMITIES AND DEFORMITIES

Ponomareva, V. A. [Mechanism of the development and methods for the correction of maxillodental deformations] Mekhanizm razvitiia i sposoby ustraneniia zubochelіustnykh deformatsii. Moskva, Izd-vo "Meditsina," 1964. 87 p. (Bibliotechka prakticheskogo vracha)
(DNLM)

TEKLE, AFEWERK, 1932-

Meeting Afewerk Tekle. A. Chlonov. Nov. vrem. 21 no. 26:26-28 Je '64.

TELAVI—GUILDS

Guild establishments in Telavi. I. D. Nanobashvili Soob. AN Gruz. SSR 31 no. 2:511-513 Ag '63

TELECOMMUNICATION

Efficiency of a storage system with random number of pulse signals. IU. S. Lezin. Radiotekh. i elektron. 9 no 6:966-974 Je '64.

Evaluation of error in the determination of a correlation interval G. A. Sergeev, A. F. Romanenko. Radiotekh. i elektron. 9 no. 4:741-743 Ap '64

Methods for the joint detection and measurement of an unknown number of signals based on the theory of random points. I. A Bol'shakov, V. V. Vatolio, V. [illegible] Latysh Radiotekh. i elektron 9 no. 4:503-510 Ap '64

Optimum detection of an amplitude modulated signal in noise using a synchronous detector. N. K. [illegible] Radiotekh. i elektron 9 no. 5:771-779 My '64

Pulse generators with complex two-terminal feedback networks. V V. Grigorin-Riabov Radiotekh i elektron. 9 no. 4:578-580 Ap '64.

Sadovskii, A. S. [Textbook on the theory of electrical communication] Zadachnik po teorii elektricheskoi sviazi. Izd. 2., perer. Moskva, Sviaz'izdat, 1963 345 p.

Sergeev, V. I. [Components of communication apparatus and devices; lectures for students of the technical departments of communications institutes] Detali priborov i apparatov sviazi; lektsii dlia studentov tekhnicheskikh fakul'tetov institutov sviazi. Moskva, Vses. zaochnyi elektrotekhn. in-t sviazi, 1961. 101 p.
[MICROFILM]

Structural features of a class of optimum linear codes I. I. Grushko Radiotekh. i elektron 9 no 4:571-517 Ap '64.

TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 6 Je '64. Predmetnyi ukazatel' za 1963 g.

TELEGRAPH

Grigor'ev, V. I. [Organization of telegraph communication using a straight connections system] Organizatsiia telegrafnoi sviazi po sisteme priamykh soedinenii Moskva, Sviaz'izdat, 1961. 41 p. (Lektsii po tekhnike sviazi)

TELEGRAPH—EQUIPMENT AND SUPPLIES

Pasechnik, N. D., and R. A. Strelkova. [Reliability of of terminal telegraph apparatus] Nadezhnost' okonechnoi telegrafnoi apparatury. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Lektsii po tekhnike sviazi)

TELEMETER

Theoretical investigation of a parametric pulse-width telemetering device. I. M. Mester. Nauch. trudy KNIUI no. 11:292-299 '62.

TELEMETER—TESTING

Structural parameters and results of the industrial testing of telemetering apparatus for measuring methane concentrations in mine air. I. M. Mester and others. Nauch. trudy KNIUI no. 11:299-313 '62.

TELEMETERING

Analysis of various telemetering systems and basis for the technical conditions for telemetering apparatus for the parameters of mine air. I. M. Mester. Nauch. trudy KNIUI no. 11:263-292 '62.

Basic criteria for selecting systems of telemetering the parameters of mine air. I. M. Mester. Nauch. trudy KNIUI no. 11:277-293 '62.

Pulse-length modulator for telemetering systems M. [illegible] Leitman, R. K. Pakhlavuni. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 5:97-102 '63.

Remote signaling system for close range operation in conjunction with a telemetering system. V. V. Motovilov, N. A. Poliakova. Izv. vys. ucheb. zav.; energ. 7 no. 5:99-103 My '64.

Telemetering the rotation speed of a turbodrill shaft B. A. Grachev, A. I. Leonov. Neft. khoz. 41 no. 1: 19-23 Ja '63.

TELEPHONE

Loginov, A. G. [Organization, planning and design of [illegible] telephone [illegible]] Organizatsiia, planirovanie [illegible] telefonnoi sviazi. Moskva, Izd-vo "Sviaz'," 1964. 14[illegible] p.

[illegible], B. M. [illegible] telephone system and [illegible] Moskva, [illegible] A. A. [illegible] 1962. 2[illegible] p.

[MICROFILM]

TELEPHONE STATIONS

[illegible], N. I. [Design of [illegible] automatic telephone [illegible]] [illegible] sooruzhenii [illegible] Moskva, Izd-vo "Sviaz'," 1964. 111 p.

Ecology of the whitefish Coregonus pravdinellus Dulkeit in Lake Teletskoye and the Biya River. A N. Gundrizer Izv. Sib. otd. AN SSSR no 3:111-119 '62

TELEVISION—ANTENNAS

Fiebranz, August. [Antenna devices for the reception of radio and television broadcasts. Translated from the German] Antennye ustroistva dlia priema televideniia i radioveshchaniia. Moskva, Izd-vo "Sviaz," 1964. 248 p. (Biblioteka "Televizionnyi priem," no. 12)

TELEVISION—EQUIPMENT AND SUPPLIES

Television channel switch for 2-3 television channels. S. Krasheninnikov. Radio no. 3:30-31 Mr '64.

TELEVISION—HANDBOOKS, MANUALS, ETC.

[Television, a manual] Televidenie; spravochnoe posobie. [By] IU. I. Omel'ianenko i dr. Kiev. Tekhnika, 1964. 631 p.

TELEVISION—PICTURE TUBES

Tarasov, F. I. [Kinescopes] Kineskopy. Moskva, Izd-vo "Energiia," 1964. 15 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 502)

TELEVISION—RECEIVERS AND RECEPTION

Metuzalem, E. V., and E. A. Rymanov. [The "Rekord" television receiver] Televizor "Rekord." Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 77 p. (Massovaia radiobiblioteka, no. 519)

TELEVISION—REPAIRING

(see also subdivision under Novosibirsk)

Repaired by amateurs. Radio no. 3:32-33 Mr '64.

TELEVISION—TESTING

Zhukov, G. S. [Television test equipment; a survey of the foreign literature] Pribory dlia kontrolia televizionnoi apparatury; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 50 p. (Tema 13)

[MICROFILM]

TELEVISION IN CONSTRUCTION

Radio and television for builders. V. Nuzhnyi. Stroi. i arkhit. 12 no. 5:37-38 My '64.

Underwater television controls the quality of hydraulic construction. V. V. Sokolov. Transp. stroi. 13 no. 12: 16-20 D '63.

TELEVISION IN EDUCATION

Let's bring television into schools. L. Bukhman. Nar. obr. no 7 110-111 Jl '64

Motion pictures and television as the means of communist education. H. M. Rozenzaft. Rad. shk. 49 no. 5: 10-16 My '64.

TELLURIDES

Nonferrous metal tellurides and their properties. R. G. Azerbaeva, O. F. Kuchanskaia, V. D. Melikhov Vest. AN Kazakh. SSR 10 no. 5:35-44 My '63.

TELLURIUM-GALLIUM ALLOYS see Gallium-tellurium alloys

TEMIRTAU—IRON AND STEEL PLANTS—PRODUCTION STANDARDS

When everybody is an efficiency expert. M. Ural'skii. Nar. khoz. Kazakh. 22 no. 3:39 Mr '64.

TEMPERATURE see subdivision under Barents Sea; Greenland Sea; Norwegian Sea

TEMPERATURE—MEASUREMENT

Erros due to the thermal conductivity of thermocouple wires. M. S. Minasbekian, G. A. Sultanian. Izv. AN Arm. SSR. Ser. tekh. nauk 17 no. 2:79-82 '64.

TEMPERATURE—PHYSIOLOGICAL EFFECT

Changes in the heat- and cold-resistance of fish tissues as related to the temperature conditions of the environment. G. L. Shkorbatov, G. S. Kudriavtseva. Dokl. AN SSSR 156 no. 2:452-454 My '64.

Dependence of glycogen and fat content in the cytoplasm of Paramecium caudatum on temperature. IU. I. Polianskii. Sbor. rab. Inst. tsit. no. 3:102-110 '63.

Dependence of the kinetics of saponin hemolysis of the erythrocytes from the temperature of the specimen under examination. A. V. Merentsev. Lab. delo no. 6: 339-340 '64.

Effect of temperature conditions in spring on the fecundity of the scale insect Eurygaster integriceps Put. N. M. Vinogradova. Zool. zhur. 42 no. 12:1804-1809 '63.

Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3:133-144 '63.

Effect of temperature on the luminescence of muscles and muscle proteins. I. G. Shtrankfel'd. Biofizika 9 no. 1: 68-72 '64.

Effect of temperature on the physical electrotonus of smooth muscle. M. F. Shuba. Biofizika 8 no. 6:699-706 '63.

Effect of the temperature factor on the DNA content in the macronucleus of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3: 123-132 '63.

Resistance of Paramecium caudatum previously adapted to different temperatures to the injurious action of salts. I. S. Irlina. Sbor. rab. Inst. tsit. no. 3:92-101 '63.

Time and temperature conditions of the reproduction of marine invertebrates. V. V. Kuznetsov. Mat. po kompl. izuch. Bel. mor. no. 2:32-52 '63.

TEMPERATURE REGULATORS

Amount of heat contained in flue gases as pulse for the regulation of temperatures in open-hearth furnaces V G. Sivolapov and others Izv vys ucheb zav , chem met. 7 no 6 179-183 '64

Controlling temperature in gas furnaces, exchange of experience. A. A. Shmonin. Gaz. prom. 8 no. 1:37 '63.

Gage for measuring the temperature of a porous moving material E I Fandeev, V. E Shukshunov Izv. vys. ucheb. zav., elektromekh. 7 no 4:515-518 '64

Kuznetsov, O. A., B. I. Golub', and V. F. Brekhovskikh. [Automatic temperature control in industry; survey of foreign engineering] Avtomaticheskii kontrol' temperatury v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 92 p. (Tema 13)

[MICROFILM]

TENDONS

Standards for the latent phase of tendon reflexes in healthy children from various age groups, electrophysiological data. R. I. Test. Zhur. nevr. i psikh. 63 no. 7:1018-1021 '63.

TEREK VALLEY—LOCUST (TREE)

Growth of black locust in Terek-Kuma and lower Dnieper Valley sands. D. K. Babenko Nauk pratsi Nyzhn'odnipr. nauk.-dosl. sta. po zalis. pisk i vyn na pisk no. 9 43-57 '61.

TEREK VALLEY—OIL WELLS

The deepest well in the Soviet Union. V. D. Vardiev. Neft. khoz. 42 no. 3:52-57 Mr '64.

TEREPHTHALIC ACID

Terephthalic acid from petroleum-refining products. A. P. Petrov, M. M. Movsumzade Izv vys ucheb. zav , neft' i gaz 6 no. 5:67-70 '63.

TERNOPOL' PROVINCE—DRUGSTORES

Pharmacy in Ternopol' Province O. I. Lukash. Farmatsev. zhur. 18 no 4 86-88 '63.

TERRACES (GEOLOGY) see subdivision under Aragvi Valley; Dniester Valley; Ksani Valley

TERRESTRIAL ELECTRICITY

Corrections for the relief in measuring the electric potential gradient in the flood plain of a valley. L. S. Chanturishvili. Soob. AN Gruz. SSR 33 no. 1:69-72 Ja '64.

Method for studying electric fields over complexly linked geoelectric sections I. M. Blokh Izv AN SSSR. Ser. geofiz. no. 6:883-893 Je '64.

Use of the method of resistance in the approximate determination of the angle of slope of the interface of two media of a crest. G. P. Khvitiia. Soob. AN Gruz. SSR 33 no. 1:73-77 Ja '64.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TERRITORY, NATIONAL

N. S. Khrushchev's message and the peaceful settlement of territorial disputes between governments. N. A. Ushakov. Sov. gos. i pravo 34 no. 5:3-10 My '64.

TERSKEI ALATAU—MITES

A new species of gamasid mites Haemogamasus bifurcatus sp. n. from the Tien Shan. S. I. Bgytova, V. A. Bibikova, E. L. Berendiaeva. Zool. zhur. 43 no. 1:136-138 '64.

TERTRI-TSKARO DISTRICT—VOLCANOES

Paleogene volcanism in Tertri-TSkaro District. G. A. Mikadze. Soob. AN Gruz. SSR 31 no. 2:339-346 Ag '63.

TESTICLE—ABNORMITIES AND DEFORMITIES

Etiology, pathogenesis and clinic of cryptorchism. D. S. Natriashvili. Soob. AN Gruz. SSR 34 no. 1:197-204 Ap '64.

TESTING LABORATORIES see subdivision under Leningrad

TESTING MACHINES

Automatic universal testing unit. I. K. Morozov, A. IA. Kiriushov. Stan. i instr. 35 no. 5:30-32 My '64.

TESTOSTERONE

Combined effect of diethylstilbestrol and testosterone on coronary circulation in experimental coronary insufficiency. N. B. Gambashidze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:445-450 '63.

TETANUS

Transportation and treatment of a patient with a severe form of tetanus. E. G. Toshchenko. Khirurgiia 40 no. 2:57-58 F '64.

Treatment of severe forms of tetanus by the continuous use of nitrous oxide M Z Bass, V M Ivanitskii Vest khir 91 no 10 120-121 O '63

TETANUS—PREVENTIVE INOCULATION

Comparative evaluation of nonspecific stimulants in the development of antitoxic immunity in tetanus Report No. 1. E. I. Shchamel'. Trudy Irk. NIIEM no. 6 34-40 '61

Correlation of antibody titers in serum-producing horses in double immunization against diphtheria and tetanus B. G. Trukhmanov, S. M. Preger, R. M Slobodskoi. Trudy TomNIIVS 14:207-212 '63.

Duration of the preservation of diphtherial and tetanus immunity in serum-producing horses during the transfer to another type of immunization and the importance of delayed revaccination. B. G Trukhmanov, R M. Slobodskoi, S. D Ron'zhina. Trudy TomNIIVS 14:202-206 '63.

Immunizing effect of an antigen in a precipitated state. Report No. 2. E. I. Shchamel'. Trudy Irk. NIIEM no. 6: 41-47 '61.

Study of the fractional composition of proteins of antitetanus serum in the immunization process. P. S. Dotsenko, L. G. Galushko. Trudy Irk. NIIEM no. 6 26-33 '61.

TETANUS ANTITOXIN

Immunizing effect of an antigen in a precipitated state. Report No. 2. E. I. Shchamel'. Trudy Irk. NIIEM no. 6. 41-47 '61.

TETANY

Mechanism of hysteriosis. Report No. 2: The development of hysteriosis following a transverse section of the spinal cord. N N Poliakova. Nerv. sist no. 3:69-73 '62.

TETRACORALLA see subdivision under Ural Mountain region

TETRACYCLINE

Dissociation of tetracyclines studied by means of infrared spectroscopy K K. Kalnin'sh, B G Belen'kii. Dokl AN SSSR 157 no 3 619-621 Jl '64

Dynamics of fatty dystrophy of the fetal liver under the effect of tetracycline and the process of its reverse development under experimental conditions A I. Barkalaia Pat fiziol. i eksp. terap 7 no. 6 57-61 N-D '63

TEXTILE FABRICS

Manufacture of outerwear knit goods with openwork pattern on the "Cotton" knitting machines. N. IA. Nosovits'ka, R. IA. Sakharna, V. D. Khudin. Leh. prom. no. 2:17-19 Ap-Je '64.

Use of polyurethan porous plastics in the manufacture of backed textile fabrics. T. S. Dekalenkova, Z. V. Sventsits'ka. Leh. prom. no. 2:10-12 Ap-Je '64.

TEXTILE FABRICS—TESTING

Common characteristics of the mechanical properties of shoe-upper leather. A. IU. Zybin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:9-19 '63.

Determining the stiffness of textile materials. V. M. Lazarenko. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:21-24 '63.

Methods for determining thread raveling in the cutting of fabrics. A. M. Ryzhnikova. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 6:25-31 '63

TEXTILE FACTORIES—AIR CONI

Spray nozzle for air humidificati
V

TEXTILE FINISHING

Improving the wear resistance of viscose and blended fabrics. L. P. Shokot'ko. Leh. prom. no. 2:30-31 Ap-Je '64.

TEXTILE INDUSTRY see subdivision under Moscow

TEXTILE INDUSTRY—DICTIONARIES

Jurevicius, A., and A. Cizas. [Explanatory textile dictionary] Aiskinamasis tekstiles terminu zodynas. Vilnius, Lietuvos TSR Ministru tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas.
Pt. 1, 1962. 96 p.

TEXTILE INDUSTRY—PRODUCTION STANDARDS

Sterlin, E. A. [Work organization and the establishment of work norms for those who work at several machine tools in the textile industry] Organizatsiia i normirovanie truda mnogostanochnikov v tekstil'noi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 197 p.

[illegible]EXTILE MACHINERY

[illegible] [Increasing the service life of parts in [illegible] repair of textile equipment] [illegible] pri modernizatsii i [illegible] oborudovaniia. Moskva, Izd-vo [illegible], 1964. 356 p.

[illegible] nauchno-tekhnicheskoi [illegible] stroeniia. [Con-[illegible] for the bleaching of cotton [illegible] Oborudovanie [illegible] tkani i triko-[illegible]. Moskva, 1963. 39 p. (seriia III, [illegible] sredstva avtomatizatsii, [illegible])
[MICROFILM]

[illegible] Leh.prom no 2, [illegible] Ap-Je '63

THALASSOTHERAPY see subdivision under Abkhazia

THALLIUM-CADMIUM ALLOYS see Cadmium-thallium alloys

THEATER see subdivision under Europe, Western

THEATER—PRODUCTION AND DIRECTION

Zakhava, B. E. [Acting and directing skill, textbook for dramatic schools] Masterstvo aktera i rezhissera, ucheb-[illegible] dlia teatral'nykh uchebnykh zavedenii. Moskva, Sovetskaia Rossiia, 1964. 286 p.

THEBAINE

[illegible] Synthesis of 2,3,8-trimetho-[illegible] A V Bochkarnikova, V V.Kiselev. Zhur ob khim 34 no 6 1934-1936 Je '64.

THEODOLITES—TESTING

Possibility of using the OTSH micrometer theodolite in mine surveying. D N Ogloblin, D V Brezhnev Ugol' 39 no.6:28-29 Je '64

THEOPHYLLINE

[illegible] nature of some changes [illegible] theophylline-adrena-[illegible] graphic study L N [illegible] Pat fiziol i eksp terap 7 [illegible]

THEORY OF ERRORS see Errors, Theroy of

THEORY OF GROUPS see Groups, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS

[illegible] therapeutic aspects of progressive muscular [illegible] A Edel'shtein, E. V. [illegible] Zhur nevr i psikh. 63 no.7 974-978 '63.

Transportation and treatment of a patient with a severe form of tetanus. E.G.Toshchenko Khirurgiia 40 no 2:57-58 F '64.

THERAPEUTICS, EXPERIMENTAL

Akademiia meditsinskikh nauk SSSR. Moscow. Institut epidemiologii i mikrobiologii. [Problems of infectious pathology and the experimental therapy of infections (on the 60th birthday of Professor Kh. Kh. Planel'es, Corresponding Member of the Academy of Medical Sciences of the U. S. S. R.), transactions of the Institute] Voprosy infektsionnoi patologii i eksperimental'noi terapii infektsii (k 60-letiiu so dnia rozhdeniia chlena-korr. AMN SSSR prof. Kh. Kh. Planel'esa); trudy instituta. Pod obshchei red. S. N. Muromtseva. Moskva, 1963. 495 p.
(DNLM)

THERAPSIDA

(see also subdivision under Orenburg Province)

Anatomy of the head of therocephalians; vessels, nerves and glands of Moschowhaitsia. L. P. Tatarinov. Paleont zhur. no 2,72-84 '64.

THERMAL ANALYSIS

Phase diagram of alloys of the lead-enriched system lead - antimony - tin. V.A.Kogan, A.A.Semionov. Zhur.fiz.khim. 37 no.4:802-809 Ap '63.

THERMAL DIFFUSIVITY

Thermal diffusion currents and the thermoelectromotive force in industrial refractories at high temperatures P T Oreshkin, V A Deviatkin I I Popov Izv vys ucheb zav , chern met 7 no 6 184-190 '64

THERMAL STRESSES

Amount of strain occurring during the graphitization of iron alloys. A. A. Baranov Izv. AN SSSR. Met. i gor. delo no. 3:133-124 My-Je '64.

Constitution and structure of titanium alloy ingots in shrinkage cavity zones. L. A Elagina. Metalloved. i term. obr met. no. 6 23-27 Je '64.

Effect of the rate of quenching during hardening on the formation of cracks in steel 45. N. I. Kobasko, N. I. Prokhorenko. Metalloved. i term obr. met. no. 2:53-54 F '64.

THERMAL STRESSES—MODELS

Using the optical method to study the effect of the temperature factor on the stressed state of the rock massif. K. V. Koshelev, V. I. Dolzhenko. Sbor. trud. Inst. gor. dela AN URSR no. 13 68-73 '63.

THERMOCOUPLES

Errors due to the thermal conductivity of thermocouple wires M. S. Minasbekian, G. A Sultanian Izv. AN Arm. SSR. Ser tekh nauk 17 no. 2,79-82 '64

Products made of siliconized graphite for the protection of immersion thermocouples during the measuring of temperature of liquid steel N I Krasotkina Ogneupory 29 no 5 232-237 '64

THERMOCOUPLES—TESTING

Automatic testing of industrial thermocouples made of base metals. Vanbo Pak, IU.P.Krinskii. Izm.tekh. no.5:21-23 My '64

THERMODYNAMICS

Irreversible processes in electrochemistry. Part 5. A.I.Lopushanskaia, A V.Pamfilov, I.A.TSisar'. Zhur.fiz.khim. 38 no.3,650-657 Mr '64.

Kuz'min, M. P. [Electrical simulation of some nonsteady thermal processes] Elektromodelirovanie nekotorykh nestatsionarnykh teplovykh protsessov. Moskva, Izd-vo "Energiia," 1964. 119 p.

Statistical calculation of the total energy and entropy of argon adsorbed on graphite. A.V.Kiselev, D.P.Poshkus Zhur fiz.khim 37 no.4:770-777 Ap '63

Suchkov, V. D. [Thermophysical values: Reference data for the design of metallurgical furnaces] Teplofizicheskie velichiny. Spravochnye dannye dlia proektirovaniia metallurgicheskikh pechei. Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova, 1963. 38 p.
[MICROFILM]

Temperature state of a thin spherical shell. V.S.Zarubin. PMTF no.6,169-171 N-D '63.

Thermodynamics of ion exchange on sulfonated copolymers of styrene and divinylbenzene. Part 2. V S.Soldatov, G.L Starobinets. Zhur.fiz khim. 38 no 3:681-685 Mr '64

Two-dimensional temperature problem in the theory of elasticity for a semi-infinite plate with a thermal source moving along its edge. IA. S. Pidstryhach, IU. M. Kolano. Prykl. mekh. 10 no. 2,181-189 '64.

THERMODYNAMICS—TABLES, CALCULATIONS, ETC.

Exegetic temperature scale. V. M. Brodianskii. Izv. vys. ucheb zav., energ. 7 no. 5,65-72 My '64.

THERMOMAGNETISM

Galvanomagnetic and thermomagnetic effects in HgTe. K. D. Tovstiuk, N. P. Gavaleshko, I. M. Raienko. Izv. AN SSSR. Ser. fiz. 28 no. 6:1048-1050 Je '64.

Self-recording device for measuring galvanomagnetic and thermomagnetic effects in semiconductors as a function of the temperature and magnetic field [with summary in English]. M. P. Havaleshko. Ukr. fiz. zhur. 9 no. 2:150-159 F '64.

THERMOMETERS

New platinum resistance thermometers. P. I. Bardila and others. Izm. tekh. no. 5;19-21 My '64.

THERMOMETERS—TESTING

Checking ratiometers used in resistance thermometers according to the instruction 158-62. L. I. Ivaniuk, N. M. Ogirko, L. R. Mirovich. Izm. tekh. no. 5;23-24 My '64.

THERMOMETERS AND THERMOMETRY, MEDICAL

Electrothermometer for prolonged and continuous measurement of the temperature of internal organs I. I Benediktov. Trudy TomNIIVS 14;281-284 '63.

THERMOMETRY

Circuit for the fixation of local temperature increase of a wall. O. V. Remizov, A. P. Sapankovich. Izm. tekh. no. 5:24 My '64.

Determining the temperature of engine exhaust gases taking the change of the cylinder volume during the exhaust process into account. M. G. Makhan'ko, V. G. Erokhin. Trudy MIIT no. 179;101-105 '64.

Kuznetsov, O. A., B. L Golub', and V. F. Brekhovskikh. [Automatic temperature control in industry; survey of foreign engineering] Avtomaticheskii kontrol' temperatury v promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 92 p. (Tema 13)
[MICROFILM]

THERMOPLASTICS—TESTING

Temperature field in a polymer melt flowing in a circular pipe. V. H. Lytvynov. Prykl. mekh. 10 no. 2 190-197 '64.

THERMOSTAT

Electronic thermoregulator. V. S. Aleksandrov. Trudy GGO no. 152:172-175 '64

THIAMINE

Preparation and use of a stabilized diazonium salt for the colorimetric determination of vitamin B_1 [with summary in English]. A. M. Aliev. Apt. delo 12 no. 2;50-55 Mr-Ap '63.

THIAZINE

S-derivatives of thiourea Part 10: Preparation of 2-amino-5-bromo-Δ^2-dihydro-1, 3-thiazine. V. M. Fedoseev, I V. Filippovich Zhur ob. khim. 34 no 5,1556-1561 My '64

THIAZOLE

Synthesis and transformations of furan derivatives Part 2 Derivatives of 2-amino- and 2-hydrazino-4-(5'-nitro-2'-furyl) thiazoles N. O Saldabol, A. [illegible] Medne, S A Giller Zhur ob. khim 34 no 5 [illegible] 1601 My '64

THIAZOLIDINONE

Synthesis and properties of 5-alkyl-substituted [illegible] of pseudothiohydantoin and 2 4-thiazolidinedione [illegible] Mynka Farmatsev zhur 18 no [illegible]

THIAZOLOCARBOCYANINE

Thiazolocyanines. Part 12. Polar substituents in thiazole rings of thiazolocyanines. E. D Sych, L. P Umanskaia. Zhur. ob. khim. 34 no. 6;2060-2074 Je '64.

THICKNESS MEASUREMENT

Dependence of changes in the thickness of pipe walls during their reduction on the toughness and plasticity (hardening) of the metal V V Shvei[illegible], P N, [illegible] vys. ucheb zav , chern. met 7 no 6 [illegible]

Loznovskii, IU. IA. [Thickness measuring device using radioactive isotopes for controlling the thickness of films and sheet materials in their manufacture] Radioaktivnyi tolshchinomer dlia avtomaticheskogo kontrolia tolshchiny plenochnykh i listovykh materialov v protsesse ikh izgotovleniia. Leningrad, 1964. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 1)

THIENOTHIAZOLE

Polymethine dyes, derivatives of heterocyclic bases containing condensed thiophene rings. Part 1: Derivatives of thienothiazoles. V. G. Zhiriakov. Zhur. ob. khim. 34 no. 6;2034-2039 Je '64.

THIOCYANATES

Composition of rhenium thiocyanate complex compound. Part 5 Rhenium thiocyanate complex compound in sulfuric acid solution. V. M. Tarаian, [illegible] M G. Ekimian. Izv AN Arm. SSR. Khim nauki 17 [illegible] 296-300 '64

THIOINDIGO

Effect of constituents on the dissociation constants and spectra of leucothioindigoids V. V. Karpov, V. [illegible] Abozin. Zhur. prikl. khim. 37 no 5;1165-1168 My '64.

THIOLS

Interaction of cyclic acetals with thiophenol. M. F Shostakovskii, V M. Vlasov, A A. Nikiforov Zhur ob. khim 34 no. 5 1680-1687 My '64.

Regularities in the addition reactions of diacetylenes. Part 2: Course of the addition of mercaptans to nearest unsymmetrical diacetylene homologs. IU. I. Porfir'eva L. B. Sokolov, A. A. Petrov. Zhur. ob. khim. 34 no 6: 1881-1886 Je '64.

Syntheses of some new thiols and their acetyl derivatives R M. Lagidze, R. N. Akhvlediani. Soob AN Gruz SSR 31 no 3:577-580 S '63

Thiophenolsulfonic acids and their derivatives. A. E. Kretov, A. S. Bespalyi, N. N. Politun. Zhur. ob. khim. 34 no. 6;2060-2068 Je '64.

THIONYL CHLORIDE

Cleavage of organosiloxanes with thionyl chloride during ultraviolet irradiation. E. V. Kukharskaia, IU. I. Skorik. Zhur. ob. khim. 34 no. 6;2092-2005 Je '64.

THIOPHENEGLYCOLIC ACID

Substituted hydrazides of hydroxycarboxylic acids. Part 15: Reaction of α-thienylmagnesium iodide with aryl hydrazide oxalates. I. S. Berdinskii. Zhur. ob. khim. 34 no. 6;1773-1777 Je '64.

Substituted hydrazides of hydroxycarboxylic acids. Part 16: Phenylhydrazides of α-aryl-α-(2-thienyl)- and α-alkyl-α-(2-thienyl) glycolic acids. I. S. Berdinskii. Zhur. ob. khim. 34 no. 6;1777-1779 Je '64.

THISTLE see subdivision under Kazakhstan

THORACIC ARTERY—LIGATURE

Immediate and late results of a bilateral ligation of the internal thoracic artery in chronic coronary insufficiency. E. M. Artova. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;556-557 '63.

Results of surgical treatment of stenocardia. V. I. Kolesov, A. I. Drevina. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;867-872 '63.

Treatment of chronic coronary insufficiency by means of a bilateral ligation of internal thoracic arteries. Sh. K. Makharadze, O. A. Chanturaia, Sh. D. Garsevanishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8;863-868 '63.

THORIUM

Determination of the yield of some fragments in the fission of heavy nuclei induced by multicharge ions Part 1: Fission of Th^{232} induced by O^{16} and Ne^{22} ions I. Brandshtetr and others. Radiokhimiia 5 no. 6;715-720 '63.

Kopnin, P.V., and M.B. Vil'nitskii, eds. [Problems of thinking in contemporary science] Problemy myshleniia v sovremennoi nauke. Moskva, Izd-vo "Mysl'," 1964. 469 p.

The nature of logical necessity. I.IA.Fadeev. Nauch dokl.vys shkoly, filos.nauki 7 no 2 54-61 '64.

THOUGHT TRANSFERENCE

Is telepathy scientific? D.A.Biriukov. Vest.AMN SSSR 19 no.1:43-53 '64.

THROMBOPHLEBITIS

Prevention of embolism in the pulmonary artery. G.P. Zaitsev. Khirurgiia 40 no.2 110-113 F '64.

Treatment of thrombophlebitis of the deep veins of lower extremities. L.G.Fishman. Khirurgiia 40 no.2: 87-93 F '64.

THROMBOSIS

Case of thrombosis of a choroid plexus aneurysm of the third ventricle complicated by acute hydrocephalus. K.N.Stepanov. Zhur.nevr.i psikh. 64 no 5 661-662 '64

Intravital diagnosis of thrombosis of cardiac cavities in mitral stenosis. L.V.Potashov. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:633-637 '63.

Some new data on coronary thrombosis. E.I.Chazov. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:417-418 '63.

THYMOL

Terpene phenols Part 18: Condensation of norbornene with thymol and further transformations of the condensation product IU Gura, I. A.Kheifits. Zhur ob. khim 34 no 5 1655-1658 My '64

THYROID GLAND

Distribution of polonium -210 in the hypophysis, thyroid and parathyroid glands of rats. A V Tkachev. Radiobiologiia 3 no 6 877-879 '63.

Function of the thyroid gland and of the ovaries in patients with climacteric syndrome. O.S. Markarova. Soob.AN Gruz.SSR 34 no.1,205-212 Ap '64.

Shifts in the absorptive capacity and isoelectric point of thyroid cells during the action of 6-methylthiouracil. B.V.Aleshin, IU.B.Krivobok. Biul.eksp.biol.i med. 55 no.8:101-105 Ag '63.

Thyrotropic reaction under the conditions of increased tonus of the central nervous system by caffeine. V.D Batrov Uch.zap.Tadzh un 17. Trudy Fak.est nauk no.3 63-67 '58

THYROID GLAND—CANCER

Cytologic diagnosis of cancer of the thyroid gland. N.I. Nikitina. Vop.onk. 8 no.10:23-28 '62.

Precancer processes in the thyroid gland. S F.Serov Trudy Inst.klin i eksp.khir.AN Kazakh.SSR 8 88-90 '62.

THYROID GLAND—DISEASES

Functional state of the thyroid gland in atherosclerosis. O.T.Mamaladze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:71-73 '63.

Functional state of the thyroid gland of rabbits in experimental thyroiditis according to data on the absorption of radioactive iodine. L.N.Narodetskaia. Izv.AN Kazakh SSR.Ser.med.nauk 11 no.2:35-43 '64.

Some functional and morphological data on the state of the myocardium in experimental hypothyroosis. N.A. Kurdiani. Trudy Inst.klin.i eksper.kard.AN Gruz. SSR 8:297-300 '63.

Study of the paths of ammonia formation and its elimination in the myocardium in experimental thyrotoxicosis. N.D.Tabatadze. Trudy Inst.klin.i eksper.kard.AN Gruz.SSR 8:315-319 '63.

THYROID GLAND—HYDATIDS

Echinococcosis of the thyroid gland. Sh.U Aliev, IU.M. Veresutin, L.I.Ishchenko Uch.zap.Stavr.gos.med. inst. 8 140-141 '63

THYROID GLAND—SURGERY

Echinococcosis of the thyroid gland. Sh.U.Aliev, IU.M. Veresutin, L.I.Ishchenko. Uch zap Stavr.gos med inst 8·140-141 '63.

THYROID GLAND—TUMORS

Effect of carbon tetrachloride on the formation and development of changes in the thyroid gland in rats following the administration of methylthiouracil. N.P.Napalkov. Vop.onk. 8 no.10:49-56 '62.

TIBIA—DISEASES

Osgood-Schlatter disease. A.G.Gorodnik, V.P.Lantsov. Vest.rent.i rad. 38 no.3:14-17 My-Je '63.

TIBIA—FRACTURES

Osteosynthesis using one or two metal screws without plates in diaphysial oblique, oblique-spiral and spiral fractures of the tibia. S.O.Portugalov, O.S.Brodskii. Khirurgiia 40 no.2:128-132 F '64.

TICKS see subdivision under Italy

TICKS—EXTERMINATION

Efficiency of the new preparations in the control of the brown fruit tick. B.I Shcherbak. Khim.prom [Ukr] no.1:11-13 Ja-Mr '63.

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Kyzylkum)

Fundamental results of the study of the epidemiology of tick-borne encephalitis and its control in the Tomsk focus S P Karpov. Trudy TomNIIVS 14:7-14 '63.

In battles with the invisible. A Lozhechko. Sov.voin 16 no.11,32 Je '64.

Pathogenic effect of ixodid thick bites on guinea pigs. R V.Grebeniuk, V.M.Steshenko Izv AN Kir SSR.Ser biol nauk 6 no.2·39-42 '64

TIDAL POWER

Tidal energy calculations, spurious and real L B Bernshtein Priroda 53 no 7 84-86 '64

TIDAL WAVES

Babkov, A.I., and B.I.Koshchekin. Tsunami. Leningrad, Gidrometeoizdat, 1964. 48 p. (Na sushe, v more, v vozdukhe)

TIEN SHAN—AVALANCHES

Determination of the degree of danger of an avalanche in the high mountain regions of the central Tien Shan. E.B.Krasnosel'skii. Trudy GGO no.150,133-139 '64.

TIEN SHAN—BUTTERFLIES

Swallowtail butterflies of the Tien Shan and of the Alay Range. I.V.Palii. Sbor.ent.rab. no.2·58-62 '63.

TIEN SHAN—GRASSES

Assorina, I.A. [Biology of seeded perennial grasses in the Alpine region of the central Tien Shan] Biologiia mnogoletnikh seianykh trav v usloviiakh vysokogor'ia TSentral'nogo Tian'-Shania. Frunze, Izd-vo Akad nauk Kirgizskoi SSR, 1963. 132 p.
(DNAL)

TIEN SHAN—PLANT LICE

A new species of plant lice of the genus Rhopalomyzus Mordv. (Homoptera, Aphididae) from the Tien Shan. M.N.Narzikulov. Sbor.ent.rab. no.2,11-15 '62

TIEN SHAN—WEEVILS

New species of Hyperini weevils from the Tien Shan (Coleoptera, Curculionidae). V.A.Zaslavskii. Sbor ent.rab. no.2,48-51 '62.

TIEN SHAN PROVINCE—MITES

Gamasid mites of Tien Shan Province. S.K.Sartbaev. Izv.AN Kir.SSR.Ser.biol nauk 6 no 2:43-47 '64

TIFLIS REGION—PLANTS—DROUGHT RESISTANCE

Effect of the drought of 1961-1962 on trees and shrubs in the vicinity of Tiflis. T.G.Chikovani, M.L.Loriia. Soob.AN Gruz.SSR 31 no.1·149-154 Ap '64.

TILE LAYING

Krivtsov, B.P., and I.G. Shapiro. [Laying tiles, mosaics, and "xyloliths"] Plitochnye, mozaichnye i ksilolitovye raboty. Izd.3., perer. i dop. Moskva, Vysshaia shkola, 1964. 301 p.

TILES

Cementless silicate facing tiles. Shakht stroi. 8 no.5:29 My '64.

TILES—STANDARDS

New All-Union State Standards. Stek.i ker 21 no.1·46 Ja '64.

TILIGUL'SKIY LIMAN—CARP

Effect of salinity on the development of the spawn and larvae of carp in the Tiligul'skiy Liman. N.P.Honcharova. Pratsi Od.un. 150 Zbir.stud.rob. no.6:141-146 '60.

TILLAGE

(see also subdivision under Kabardino-Balkar A.S.S.R.; Moscow Province)

Cultivation practices and corn diseases. F.E.Nemlienko, I.E.Sidenko. Zashch.rast.ot vred.i bol. 9 no.6: 13-14 '64.

Friction coefficient of the sliding of soil over metal for basic soil types in the U.S.S.R. P.U.Bakhtin, V.I. Volotskaia, I.N.Nikolaeva Trakt i sel'khozmash. no.6,31-33 Je '64.

TIMAN RIDGE—GAS, NATURAL—GEOLOGY

New data on the oil and gas potentials of carbonate sediments in the southern part of the Timan-Pechora area. V.A Anoshin, B.IA.Vasserman, N.V.Sazonov. Neftegaz.geol.i geofiz. no.4,39-42 '63.

Prospecting for oil and gas in the Perm sediments of the southeastern section of the Timan-Pechora area. A.V. Ivanov, V.I.Bogatskii. Neftegaz.geol.i geofiz. no.4; 42-47 '63.

Types of oil and gas pools in the southern sector of the Timan-Pechora Basin. M.Sh.Modelevskii. Neftegaz geol.i geofiz. no.4 34-38 '63

TIMAN RIDGE—PETROLEUM GEOLOGY

New data on the oil and gas potentials of carbonate sediments in the southern part of the Timan-Pechora area. V.A.Anoshin, B.IA Vasserman, N.V.Sazonov. Neftegaz.geol.i geofiz no.4 39-42 '63.

Prospecting for oil and gas in the Perm sediments of the southeastern section of the Timan-Pechora area. A.V. Ivanov, V.I.Bogatskii. Neftegaz.geol.i geofiz. no.4; 42-47 '63.

Types of oil and gas pools in the southern sector of the Timan-Pechora Basin M Sh Modelevskii Neftegaz geol i geofiz no 4 34-38 '63

TIMAN RIDGE—SEISMIC PROSPECTING

Geological conditions and geophysical operations in the Timan-Pechora area in preparing structures for oil and gas prospecting drilling A IA Krems, N D Matvievskaia Neftegaz geol i geofiz no 4 52-57 '63

TIMAN VALLEY—MERCURY

Mercury in one of the Devonian cross sections of the Timan Valley V A Zav'ialov, O S Mal'tseva Neftegaz geol i geofiz no 4 60-63 '63

TIME STUDY see subdivision under Virgin Territory

TIMOKHIN, ANATOLII NIKOLAEVICH

A commander trains skillful rocket gunners D.Rusaev. Komm.Vooruzh.Sil 4 no 13·35-38 Jl '64

TIN—ELECTROMETALLURGY

Certain physicochemical properties of melts in the system tin monoxide - silica D M Chizhikov, M F Volkova, IU.V TSvetkov. Izv AN SSSR Met i gor. delo no 3:82-90 My-Je '64.

TIN ORES

(see also subdivision under Maritime Territory; Yakutia)

Dressing large-size classes of tin ores in heavy media. IU.M.Sokhin. Izv.vys.ucheb zav.; gor.zhur 7 no 4· 168-172 '64.

TIN ORGANIC COMPOUNDS

Esters of α-metalated carboxylic acids. Esters of dialkylstannylbisacetic acid. S.V.Ponomarev, IU I Baukov, I F.Lutsenko. Zhur.ob.khim. 34 no.6,1938-1940 Je '64

Synthesis of unsaturated organotin compounds. M.M. Koton, L.F Dokukina. Zhur ob.khim 34 no.6, 1757-1758 Je '64.

Unsaturated tin hydrocarbons. Part 5· Addition of diazomethane to 1, 3-enyne tin hydrocarbons. V.S Zavgorodnii, A.A.Petrov Zhur ob khim. 34 no 6· 1931-1936 Je '64

TIN PLATING

Standardization of the expenditure of electric power in tin plating. S.A.Sheidin Prom.energ. 19 no.6 2-6 Je '64.

TIRES, RUBBER

Further improvement of shaper-vulcanizers for tire casings. L.M.Kepersha, V.A.Sergeeva Kauch i rez. 23 no 4:32-37 Ap '64.

Podlikh, E.G. [Investigating the adhesive coefficients of a motor car tire with the pavement] Issledovanie koeffitsientov stsepleniia avtomobil'noi shiny s pokrytiem. Moskva, Avtotransizdat, 1963. 41 p.

TIRES, RUBBER—TESTING

Testing pneumatic tires for rolling wear resistance I.N.Chernyshev. Kauch.i rez. 23 no.4:27-32 Ap '64.

TISSUE CULTURE

Effect of X rays on the reproduction of smallpox vaccine virus in tissue culture. L. A. Kamalian, R A Ter-Pogosian. Radiobiologiia 3 no.6,855-857 '63.

Multiplication of toxoplasmas in tissue culture G.T. Akinshina. Zool.zhur. 43 no.1·131-132 '64

Problems in the etiology, epidemiology and laboratory diagnosis of Botkin's disease A A Smorodintsev, D.B Golubev, Al A Smorodintsev Vest AMN SSSR 18 no 8 68-76 '63

Study of supravital nerve cells. B.N.Veprintsev, E.A. Vul'fius, V E Shungskaia. Biofizika 9 no 1 122-124 '64

Study of the etiology of infectious atrophic rhinitis of swine with the help of tissue cultures. A. K Volynets'. Mikrobiol. zhur. 25 no.6;33-37 '63.

TISSUE EXTRACTS

Mikheev, M.I. [Tissue extracts in animal husbandry; dry tissue extracts in tablets] Tkanevye preparaty v zhivotnovodstve; o sukhikh tkanevykh preparatakh v tabletkakh. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.8)

TISSUE EXTRACTS—TESTING

Comparative evaluation of the therapeutic effectiveness of some tissue extracts in the functional disorders of the sexual sphere in cows. IU A Skripitsyn Zap.Vor sel'khoz inst 17 no.2·105-109 '62

TISSUE METABOLISM

Oxygen regimen of the liver in severe traumatic shock. S.A.Seleznev. Biul.eksp.biol.i med. 56 no.8:46-50 Ag '63.

Phosphatases in the human placenta. I.I.Sharov. Biul. eksp.biol.i med. 56 no.8:64-68 Ag '63.

[illegible]

[illegible] 157 no 3:716-719 Jl '64.

TISSUES—PRESERVATION

[illegible] freezing of [illegible] tissues as a method for their [illegible] preservation. N.S. Kiseleva. Vop onk 8 [illegible] '63

[illegible] with hypertonic [illegible] K.D.Tirzashkevich. [illegible] 8 1-2-126 Ag '63.

Tissue preservation and bone homoplasty in clinical practice. M.V. Volkov, M.I. Panova, A.S. Imamaliev. Khirurgiia 40 no 2:121-129 F '64

Viability of tumor tissue following a 3-year storage under freezing conditions. N S Kiseleva, O I Sokova. Vop onk 10 no 2:108-110 '64

TITANIUM—HARDENING

[illegible] antifriction nickel- [illegible] Metalloved. i [illegible] Je '64

TITANIUM—METALLURGY

Sergeev, V.V., N.V.Galitskii, and V.P.Kiselev. [Metallurgy of titanium] Metallurgiia titana. Pod red. V.M.Gus'kova. Moskva, Izd-vo Metallurgiia, 1964. [illegible] p.

TITANIUM—THERMAL PROPERTIES

Heat-resistance of oxygen-containing titanium. I.I. Kornilov, V.V. Glazova. Izv AN SSSR, Met i gor delo, no. 3:163-172 My-Je '64.

TITANIUM—WELDING

Welding of chemical apparatus made from titanium. S K Pavliuk, F M Tsarinskii. Khim.mashinostr no 1:34-36 Ja '63

TITANIUM ALLOYS—HEAT TREATMENT

Structural strength of heat-treated titanium alloys. S.G. Glazunov, A I Khorev, V N Moiseev. Metalloved. i term. obr. met. no 6:2-5 Je '64

TITANIUM ALLOYS—HYDROGEN CONTENT

Hydrogen embrittlement of titanium alloys with various structures. A M IAkimova. Metalloved i term obr met no 6:18-22 Je '64

TITANIUM ALLOYS—METALLOGRAPHY

Chemical [illegible] and structure of titanium alloy ingots in shrinkage cavity zones. I A Flagina. Metalloved. i term. obr. met. no 6:23-27 Je '64

Hydrogen embrittlement of titanium alloys with various structures. A M IAkimova. Metalloved i term. obr. met. no 6:18-22 Je '64

TITANIUM ALLOYS—TESTING

Structural strength of heat-treated titanium alloys. S. G. Glazunov, A I Khorev, V N Moiseev. Metalloved i term. obr met. no 6:2-5 Je '64.

TITANIUM CARBIDES

Physical properties of titanium carbide in the homogeneity region. S.N L'vov and others. Dokl. AN SSSR 157 no. 2:408-411 Jl '64.

TITANIUM CHLORIDES

Phase composition of the products of hydrolysis of titanium tetrachloride. L.N.Shchegrov. Zhur.fiz. khim. 37 no.4:912-914 Ap '63.

TITANIUM COMPOUNDS

Interaction of alkylorthotitanates with dibasic acid anhydrides. A L Suvorov, S S Spasskii. Dokl AN SSSR 157 no 3:639-642 Jl '64

TITANIUM-NIOBIUM-CHROMIUM ALLOYS

Evaluation of the strength of the interatomic bond in alloys of the system titanium-niobium-chromium. K.I. Shalnova, P. B. Budberg. Soob. AN Gruz. SSR 34 no.1:135-140 Ap '64.

TITANIUM OXIDES

Structure of X-ray K_{β_5}-emission bands of titanium in oxides $(TiO_{0.85}-Ti_{1.40})$. E. E. Vainshtein, V. I. Chirkov. Dokl. AN SSSR 157 no. 2,388-391 Jl '64.

TOBACCO

Study of remote radiation aftereffects in some species of the genus Nicotiana following gamma irradiation of seeds. A M Kuzin, E K. Uzorin, V I. Chirkovskii. Radiobiologiia 3 no 6:903-908 '63.

TOBACCO—VARIETIES

Some characteristics of the embryogenesis of the Khmelevka variety of makhorka (nicotiana rustica L.). V P. Barmikova, O. K. Ostapenko. Ukr. bot. zhur 21 no 3: 20-26 '64

TOBACCO BLUE MOLD

Zineb against the Peronospora infection of tobacco. R.I.Kiriukhina, D.A.Akhmedov, T.S.Bliadovskii. Zashch.rast.ot vred.i bol. 9 no.6:45-46 '64.

TOBACCO MOSAIC VIRUS

Effect of plant juice on the tobacco mosaic virus. M.I. Gol'din, E.G. Budagian. Izv. AN Arm. SSR. Biol. nauki *16 no.9 75-82 S '63*

TOBOL'SK (TYUMEN' PROVINCE)—POLES

Kommunisticheskaia partiia Sovetskogo Soiuza. Tiumenskii oblastnoi komitet. Arkhivnyi otdel. [Participants of the Polish rebellion of 1863-1864 in Tobol'sk exile] Uchastniki pol'skogo vosstaniia 1863-1864 gg. v Tobol'skoi ssylke. Tiumen', [Tiumen'skoe knizhnoe izd-vo] 1963. 74 p.
(MH)

TOCOPHEROL

Oxidative and glycolytic phosphorylation of the myocardium in experimental E-avitaminosis. R.I.Gvarishvili. Trudy Inst. klin i eksper. kard. AN Gruz. SSR 8:321-325 '63.

Vitamins A and E in atherosclerosis. IA.IU.Shpirt, I.M.Davidenkova, A.I.Sevriugina. Trudy Inst. klin. i eksper. kard AN Gruz. SSR 8:107-110 '63.

TOGUCHIN DISTRICT—PASTURES AND MEADOWS

Natural forage lands of the northern forest-steppe as exemplified by the Toguchin District collective farms. G.G. Pavlova. Trudy TSSBS no. 6.378-397 '63.

TOKYO—OLYMPIC GAMES

Before the starts in Tokyo. Vladimir Kuts. Sov. voin 46 no. 11:38-39 Je '64.

TOLBUKHIN, FEDOR IVANOVICH, 1894-1949

Marshal of the Soviet Union F.I.Tolbukhin. I.Alymov. Voen.-ist.zhur. 6 no.6:122-124 Je '64.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Krasnov, G. V. [Hero and the people; on Lev Tolstoi's novel "War and peace"] Geroi i narod; o romane L'va Tolstogo "Voina i mir." Moskva, Sovetskii pisatel', 1964. 269 *p*

TOLSTOI, LEV NIKOLAEVICH, 1828-1910—MUSEUMS, RELICS, ETC.

Contribution of the L. N. Tolstoi's museum to children. N Shchapina. Nar obr no. 7,124 Jl '64

TOLUENE

Initiation of detonation by a shock wave in molten trotyl. A.N.Dremin, S.A.Koldunov, K.K.Shvedov. PMTF no.6:131-134 N-D '63.

TOMATOES

Change in the biochemical indices of tomatoes as a result of vegetative hybridization. A. A. Ananian, E. O. Tarosova, R. E. Varosian. Izv. AN Arm. SSR. Biol. nauki *16 no. 9:65-74 S '63.*

Effect of the intensity of light during the early stages of tomato development on the formation of their reproductive organs. E. P. Veden'kov. Trudy TSel. sel'khoz. inst. 1:87-100 '63

TOMATOES—DISEASES AND PESTS

(see also subdivision under Trans-Ili Alatau)

Infructescence ability and susceptibility to Phytophtora of tomato hybrid fruits in the year of crossing. A. M. Gorobets, L. V. Pirozhnaia. Vest. LGU 19 no. 9:52-58 '64.

TOMSK—ALIMENTARY CANAL—DISEASES

Importance of Escherichia coli in the etiology of gastrointestinal diseases in young children in Tomsk. L. K. Avdeeva and others. Trudy TomNIIVS 14:71-76 '63.

TOMSK—DIPHTHERIA

Clinical characteristics of diphtheria in Tomsk for the last five years (1956-1960). K. V. Lavrova. Trudy TomNIIVS 14:108-113 '63.

TOMSK—EDUCATION, HIGHER

Scientific councils with community participation. A. A. Vorob'ev, V. M. Novitskii. Vest. vys. shkoly 22 no. 5: 55-57 My '64.

TOMSK—RESEARCH

Scientific councils with community participation. A. A. Vorob'ev, V. M. Novitskii. Vest. vys. shkoly 22 no. 5: 55-57 My '64.

TOMSK—VIRUS DISEASES

Clinical and epidemiological characteristics of enterovirus diseases in Tomsk. L. A Subbotina, A. M TSelishchev, R. A. Granovskova. Trudy TomNIIVS *14:65-70 '63*

TOMSK—WHOOPING COUGH

Incidence of whooping cough in Tomsk for 1950-1960 I. P. Vasil'eva. Trudy TomNIIVS 14:114-116 '63

TOMSK PROVINCE—BIRDS AS CARRIERS OF DISEASE

Materials on carriers of the tick-borne encephalitis virus among birds in the Tomsk focus. V. S. Erofeev, N. M. Stolbov. Trudy TomNIIVS 14:10-16 '63

TOMSK PROVINCE—ENCEPHALITIS

Hemagglutination inhibition reaction with serums of people and domestic animals from the Tomsk focus of tick-borne encephalitis. A. A Seleznova, N. L. Galakhar', N. A. Budazhapova. Trudy TomNIIVS 14: 22-23 '63.

TOMSK PROVINCE—ENCEPHALITIS—PREVENTION

Fundamental results of the study of the epidemiology of tick-borne encephalitis and its control in the Tomsk focus. S. P. Karpov. Trudy TomNIIVS 14:7-14 '63

TOMSK PROVINCE—ENCEPHALITIS VIRUSES

Materials on carriers of the tick-borne encephalitis virus among birds in the Tomsk focus. V. S. Erofeev, N. M. Stolbov. Trudy TomNIIVS 14:10-16 '63.

TOMSK PROVINCE—GOITER

Natural foci of endemic goiter in Tomsk Province. [illegible] Landyshev. Trudy TomNIIVS 14:117-121 '63.

TOMSK PROVINCE—TAPEWORMS

Optimal method of deworming in tapeworm infestations V. I. Chernineva. Trudy TomNIIVS 14:127-133 '63

TOMSK PROVINCE—TOXOPLASMOSIS

Materials on microbiological diagnosis of toxoplasmosis in Tomsk. L. IA. Tikhonova. Trudy TomNIIVS 14:219-223 '63.

TONGUE—INNERVATION

Reflex regulation of "spontaneous" activity of tongue chemoreceptors. A. I. Esakov. Biul. eksp. biol. i med. 56 no. 8:7-11 Ag '63.

TONSILS—SURGERY

Late results of tonsillectomy. N. M. Agaeva. Azerb. med. zhur. 40 no. 10,36-42 O '63.

TOOL STEEL—HARDENING

New conditions for the hardening of rapid steel. D. A. Apaev, D. V. Igol', S. N. Krasotskaia. Trudy GPI 19 no. 1:17-23 '63.

TOOL STEEL—TESTING

Wear resistance of certain hard facings and standard steels used for metal dies for operation in an abrasive medium. V S Popov, N. S Dmitrichenko. Izv vys. ucheb. zav. chern met 7 no. 6,139-142 '64.

TOPOLOGY

Closure of space classes over ω-mappings. Vera Tinkova. Dokl. AN SSSR 156 no. 2:272-274 My '64.

Equicontinuous Markov operators. M. Rosenblatt. Teor. veroiat. i ee prim. 9 no. 2:205-222 '64.

Generalization of P. S. Aleksandrov's theorem on one-point compactification. P. K. Osmatesku. Dokl. AN SSSR 157 no. 2:274-275 Jl '64.

Weakly perfectly continuous spectra of locally convex spaces. M. M. Mel'tser. Dokl. AN SSSR 157 no. 2: 265-267 Jl '64.

TOROPETS (KALININ PROVINCE)—ORTHOPEDIC APPARATUS INDUSTRY

These problems should be solved.... S. Vlasov. Sots obesp. 25 no. 5:46-47 My '64.

TORPEDO BOATS

It is interesting to know. Voen. znan. 40 no. 6:14 Je '64.

TORQUE

Distribution of torque in the spindles of two-high reversing medium sheet mills. V. S. TSelukov, M. A. Zaikov N A. Fedorov. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:109-113 '64.

Electric torque meters. L. A. Gol'dring. Mash. i neft. obor. no. 3:30 '63.

TOUCH

Local changes in the human EEG in response to tactile stimulation in association with sound. S. N. Raeva. Zhur. vys. nerv. deiat. 13 no. 6:963-971 N-D '63.

TOWERS, PLATE see Plate towers

TOXICOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 13 Jl '64.

XINS AND ANTITOXINS

Biochemical changes in media of tryptic digestion in the process of toxin formation by the diphtheria bacillus. T.L. Miriutova, T.S. D'iakonova Trudy TomNIIVS 14:193-198 '63.

Purification of a diphtherial anatoxin. S.M. Preger, T S D'iakonova. Trudy TomNIIVS 14:199-201 '63

Formation of a diphtheria toxin in the diffusion cultivation method. F.T. Zhidkova, A.G. Polteva. Trudy Irk.NIIEM no.6.63-75 '61.

Fractional composition of proteins and losses of antitoxins in the purification and concentration of antidiphtheria serum. I.G. Galushko, E.I. Ivanova, E.N. Pozdeeva. Trudy Irk. NIIEM no.6:98-104 '61.

Intensive scheme for the utilization of horses in the production of antidiphtheriax serum. E.N. Pozdnova. Trudy Irk. NIIEM no.6:76-80 '61.

Toxicity of some Moldavian soils in relation to Azotobacter. V.I. Sabel'nikova. Izv. Mold. fil. AN SSSR no.7: 73-80 '61.

OPLASMA

Multiplication of toxoplasmas in tissue culture. G.T. Lorshina. Zool. zhur. 43 no.1:131-132 '64.

OPLASMOSIS see subdivision under Tomsk Province

OPLASMOSIS—BIBLIOGRAPHY see Bibliography—Toxoplasmosis

YS

Ostrovskii, T.S. [School writing materials, office supplies, and toys] Shkol'no-pis'mennye, kantseliarskie tovary i igrushki. Moskva, Ekonomika, 1964. 190 p.

ACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of cobalt-copper feed supplements on some physiological functions of the organism and on the intestinal cestodiasis of sheep B.M Shonov, E S. Tasbulatov. Vest. sel'khoz. nauki [Kazakh.] 7 no.2:83-89 F '64.

ne data on the effect of trace elements on the splitting of cellulose. V A Moiseev Vest AN Kazakh SSR 19 no 6.40-45 Je '63.

ACE ELEMENTS IN THE BODY

dy of some microelements in the human blood in relation to sex and age N.A. Kvirikadze. Soob AN Gruz.SSR 31 no 3 587-588 S '63

Study of the composition of some microelements in the hypertrophied prostate gland T.G. Saakashvili. Soob. AN Gruz SSR 31 no.2:303-308 Ag '63.

ACHEA—SURGERY

Reconstructive operations of the trachea and bronchi. G.E. Ostroverkhov, N.S. Zheltikov. Khirurgiia 40 no.2:103-110 F '64.

ACHYTE see subdivision under Dusheti District

ACTOR INDUSTRY

se the advantages of mass production. I. Shikhov. Plan. khoz. 41 no.7.27-32 Jl '64.

ACTOR INDUSTRY—ACCOUNTING see subdivision under Minsk

ACTOR INDUSTRY—COSTS see subdivision under Minsk

CTOR INDUSTRY—HYGIENIC ASPECTS see subdivision der Chelyabinsk

ACTORS

he MTZ-52 tractor with four driving wheels. V.V. Voikov. Trakt i sel'khozmash. no.6:4-7 Je '64.

ussian tractors" a manual. S.E. Libtsis, A.I. Vaserds. Trakt i sel'khozmash. no.6.45 Je '64.

ACTORS—ABSTRACTS

ractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no.7 Jl 64.

CTORS—BATTERIES

orov, I.G. [Operation and repair of motor-vehicle nd tractor storage batteries] Ekspluatatsiia i remont vtotraktornykh akkumuliatornykh batarei. Moskva, zd-vo "Lesnaia promyshlennost'," 1964. 72 p.

CTORS—CATALOGS

lgogradskii traktornyi zavod imeni F.E. Dzerzhinskogo. Catalog of spare parts for the DT-75 tractor] Katalog apasnykh chastei traktora DT-75. Moskva, Izd-vo 'Mashinostroenie," 1964. 271 p.

CTORS—COLD WEATHER OPERATION

udying the loss of power in the transmission gears of ractors at low temperatures. G.A Akopian, G.I. Skundin. Trakt. i sel'khozmash. no.6:14-16 Je '64.

CTORS—DYNAMICS

adability and maneuverability of wheeled tractors in mber skidding. S.A. Zhilin, L.I. Egorov. Izv. vys. cheb. zav.; les. zhur. 6 no.6:58-66 '63.

TRACTORS—ENGINES

Shubin, V.M. [Check tests without braking and basic adjustments of tractor engines] Bestormoznaia proverka i osnovnye regulirovki traktornykh dvigatelei. [Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1963. 62 p. (Bibliotechka sel'skogo mekhanizatora)

TRACTORS—ENGINES—OIL FILTERS

Repair of tractor-engine oil filters with a rotor centrifuge. N.P. Khivrich. Mashinostroenie no.1:94-98 Ja-F '64.

TRACTORS—HYDRAULIC EQUIPMENT

Standardizing the dimensions of frames for tractors with the multiple-type units of hydraulic systems A.A. TSygankov. Trakt i sel'khozmash. no 6 17-18 Je '64.

TRACTORS—MAINTENANCE AND REPAIR

Inber, F.I., and P.I. Skachkov. [Repair and maintenance of skidding tractors in the felling area] Remontno-profilakticheskoe obsluzhivanie trelevochnykh traktorov na lesoseke. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 95 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo)

Kashlev, N.K. [So that machinery would operate with high efficiency] Chtoby mashiny rabotali vysokoproizvoditel'no. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 174 p. (Bibliotechka mekhanizatora)
(DNAL)

TRACTORS—STEERING GEAR

Hydraulic power steering of the T-40 tractor. V.A. Kaplun. Mashinostroenie no.1:85-87 Ja-F '64.

TRACTORS—TESTING

Conference at the Lipetsk Tractor Plant. V. Timofeev. Trakt i sel'khozmash. no.6.47-48 Je '61.

Economic effectiveness of the use of the T-4 tractor. F.I. IAlovenko. Trakt. i sel'khozmash. no.6 7-9 Je '64.

Studying the power consumption of the running gear of a wheeled tractor. V.L. Strokov. Izv. TSKHA no.5: 179-190 '63.

TRACTORS—TRANSMISSION DEVICES

Studying the loss of power in the transmission gears of tractors at low temperatures. G.A. Akopian, G.I Skundin. Trakt. i sel'khozmash. no.6 14-16 Je '64.

TRADE UNIONS
(see also subdivision under Africa; Lithuania)

International relations of the Soviet trade unions; an interview with P.T. Pimenov. Nov. vrem. 21 no.25: 12-14 Je '64.

Kovalev, N.I. [Work of the factory, plant and local committees among the masses of industrial workers] Komissiia FZMK po proizvodstvenno-massovoi rabote. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no.14(86))

Socialist competition is creativity. A. Volkov. Sov. shakht. 12 no.1:28 Ja '63.

To feel the pulse of life. D. Belokolos. Sov. shakht. 12 no.9:2-3 S '63.

Trade union activists of Mine No.35. V. Sem'ianov. Sov. shakht. 12 no.1:32 Ja '63.

[The trade-union group organizer; from trade-union group work practice in industrial and agricultural enterprises] Profgruporg; iz opyta raboty profsoiuznykh grupp na predpriiatiiakh promyshlennosti i sel'skogo khoziaistva. [Moskva] Profizdat, 1964. 222 p.

Trade unions at the present stage. L. Fedorov. Mir. ekon. i mezhdunar otn no.6 92-102 '64.

[Trade unions in the U.S.S.R.; documents and materials in four volumes, 1905-1963] Profsoiuzy SSSR; dokumenty i materialy v chetyrekh tomakh (1905-1963) [Moskva] Profizdat.
  Vol. 3. [Trade unions in the period of accomplished socialist construction and gradual transition to communism, 1937-1952] Profsoiuzy v period zaversheniia stroitel'stva sotsializma i postepennogo perekhoda k kommunizmu (1937-1952 gg). 1963. 748 p.

TSisliak, V.M., and A.I. Masalkina. [Work of the factory, plant and local committees among women] Rabota FZMK sredi zhenshchin. [Moskva] Profizdat, 1964. 78 p. (Bibliotechka profsoiuznogo aktivista, no.10(82))

TRADE UNIONS—CONGRESSES

Present situation of the trade unions in the U.S.S.R: based on materials of trade union congresses. F.S. Gaenko. Mat i soob. Issl. otd. Inst. po izuch. SSSR no.53/54:35-52 Ja-F '64.

Vsesoiuznyi s"ezd professional'nykh soiuzov. 13th, Moscow, 1963. [Materials of the 13th Congress of the Trade Unions of the U.S.S.R.] Materialy. [Moskva] Profizdat, 1964. 153 p.

TRADE UNIONS—FINANCE

[illegible] materials] [illegible] Moskva Profizdat, 1964. [illegible] p.

TRADEMARKS

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 41 no.12 Je '64.

TRAFFIC ACCIDENT INVESTIGATION

Determining the direction of the motion of the automobile according to medicolegal data. V.M. Moiseev Sud.-med. ekspert 7 no 2 14-15 Ap-Je '64

TRAFFIC SAFETY

Babkov, V.F. [Road conditions and traffic safety] Dorozhnye usloviia i bezopasnost' dvizheniia. Moskva, Izd-vo "Transport," 1964. 188 p.

For traffic safety. F. Panov, A. IAvorskii, M. Shchukin. Tekh i vooruzh. no.6:71-74 Je '64.

Traffic organization and safety Avt transp. 42 no.6: 50-54 Je '64

TRAFFIC SAFETY—PROGRAMMED INSTRUCTION

A clever training device. Sov. voin 46 no.12:32-33 Je '64.

TRANS-ILI ALATAU—PIKAS

Reproduction of the red pika (Ochotona rutila Sev.) in the Trans-Ili Alatau. A D Bernshtein Biul MOIP. Otd. biol. 69 no 3:40-48 My-Je '64.

TRANS-ILI ALATAU—TOMATOES—DISEASES AND PESTS

Nematode fauna of tomatoes in the piedmont of the Trans-Ili Alatau. K.M Nugmanova. Paraz. sel'khoz zhiv. Kazakh 3:167-170 '64.

TRANSBAIKALIA—APPLE

Dynamics of the accumulation of starch in the shoots and roots of an apple tree as related to the winter hardiness and grafting compatibility in Transbaikalia. I.F. Gavrisheva. Agrobiologiia no 3:432-436 My-Je '64.

TRANSBAIKALIA—BACK SWIMMERS (INSECTS), FOSSIL

New subfamily of back swimmers (Heteroptera) from the Mesozoic of Transbaikalia. IU.A. Popov. Paleont. zhur. no.2:63-71 '64.

TRANSBAIKALIA—CONGLOMERATE

Comparison of Jurassic sediments in eastern Transbaikalia according to the lithological characteristics of conglomerate formations. T.V. Stasiukevich. Trudy VSEGEI 81:15-43 '63.

TRANSBAIKALIA—GEOLOGY

Stratigraphy and history of the development of the Aginskaya zone in Transbaikalia. V.A. Amantov. Trudy VSEGEI 81:3-14 '63.

TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC

Comparison of Jurassic sediments in eastern Transbaikalia according to the lithological characteristics of conglomerate formations. T.V. Stasiukevich. Trudy VSEGEI 81:15-43 '63.

TRANSBAIKALIA—MITES

New species of gamasid mites (Parasitiformes, Gamasoidea). T.G. Bulakova, A.A. Goncharova. Zool. zhur. 43 no.5:766-771 '64.

TRANSBAIKALIA—PALEONTOLOGY, STRATIGRAPHIC

Find of fauna in effusive-sedimentary sediments in the Kuti region (eastern Transbaikalia). A.N. Oleinikov. Trudy VSEGEI 81:105-123 '63.

Materials on the stratigraphy of marine Jurassic sediments in eastern Transbaikalia. T.M. Okuneva. Trudy VSEGEI 81:45-59 '63.

TRANSBAIKALIA—ROCKS, IGNEOUS

Tikhomirov, N.I., ed. [Intrusive complexes of Transbaikalia] Intruzivnye kompleksy Zabaikal'ia. [By] N.I. Tikhomirov i dr. Moskva, Izd-vo "Nedra," 1964. 214 p.

Upper Jurassic intrusions of the Aginskaya structural zone in Transbaikalia. D.M Shilin, N.V. Shtal'. Trudy VSEGEI 81:169-181 '63.

TRANSBAIKALIA—SEDIMENTS (GEOLOGY)

Facies and conditions governing the formation of Lower Cretaceous sediments in the Kharanora trough. T.V. Stasiukevich. Trudy VSEGEI 81 111-123 '63.

TRANSCARPATHIA—BATS

Wintering of Miniopterus schreibersii Kühl. (Mammalia, Chiroptera) in Transcarpathia. N.A. Polushina, V.A. Kushniruk, V.S. Klimishin. Zool. zhur. 43 no.5: 782-783 '64.

TRANSCARPATHIA—COMMUNIST PARTY

Belousov, V.I. [Years of trial and hardening; from the history of the Transcarpathian Communist organization, 1929-1932] Roky vyprubovan' i hartu; z istorii zakarpats'koi komunistychnoi organizatsii 1929-1932 rr. Uzhgorod, Zakarpats'ke obl. knyzhkovo-gazetne vyd-vo, 1962. 65 p. (Bibliotechka propagandysta)
(MH)

"Outline history of the revolutionary liberation movement of the workers of Transcarpathia in 1917-1923 " by N.P. Bazhenov. Reviewed b G.P. Chekanova. Ist. SSSR 8 no.1:171-173 Ja-F '64.

TRANSCARPATHIA—FOOD—ANALYSIS

Cobalt content in food products of the vegetable and animal origin in Transcarpathia. L.I. Koteliianskaia. Vop. pit. 22 no.6:71-72 N-D '63.

TRANSCARPATHIA—HYPERTENSION
[illegible] hypertension and the characteristics of [illegible] in Transcarpathia. M.S Turzeltaub Trudy Inst [illegible] AN Gruz SSR 8 239-24[illegible] '63

TRANSCARPATHIA—LABOR AND LABORING CLASSES
[illegible] labor movement [illegible] 1917-1 [illegible] G.P. [illegible] Ist. [illegible]

TRANSCARPATHIA—MEDICINE, RURAL
Data on orthopedic traumatic diseases in the rural population of Transcarpathian Province Z V Kruk and others Ortop., travm i protez 24 no 12 48-52 D '63

TRANSCARPATHIA—ORTHOPEDIA
Data on orthopedic traumatic diseases in the rural population of Transcarpathian Province Z V Kruk and others Ortop., travm i protez 24 no.12 48-52 D '63

TRANSCARPATHIA—TRAUMATISM
Data on orthopedic traumatic diseases in the rural population of Transcarpathian Province Z V Kruk and others Ortop., travm i protez 24 no 12:48-52 D '63

TRANSCAUCASIA—BRASSICACEAE
Some critical Cruciferae from southern Transcaucasia N P Avetisian Izv AN Arm SSR, Biol nauki 16 no 2 97-121 [illegible]

TRANSCAUCASIA—DESCRIPTION AND TRAVEL
Transcaucasian colors, travel notes (conclusion) Leonid Volynskii Nov. mir 39 no 10 119-149 O '63.

TRANSCAUCASIA—INTERCONNECTED ELECTRIC *UTILITY SYSTEMS*
[illegible] in 220 kv. networks in the interconnected power system of Transcaucasia V P Kashakashvili Trudy Inst energ. AN Gruz SSR 17:219-227 '63

TRANSCAUCASIA—LAND TENURE
History of the land policy of tsarism in Azerbaijan and Transcaucasia at the beginning of the 20th century. I M Gasanov Dokl AN Azerb SSR 19 no 6:95-98 '63.

TRANSCAUCASIA—LIBRARY CONFERENCES
Interregional Conference of Workers in Libraries of Transcaucasia T I [illegible] Biul. Tsentr nauch [illegible] no 7 34 '61.

TRNASDUCERS
Gage for measuring the temperature of a porous moving material E I Fandeev V E Shukshunov Izv. vys ucheb zav, elektromekh 7 no 4 515-518 '64
High-frequency transformer transducer of linear displacements. V.I Ivanov. Izm.tekh. no.5 6-8 My '64.
Magnetic anisotropic transducers with compensatory winding. G I Shevchenko. Izm.tekh. no 5:29-30 My '64
Small-scale built-in transducer. M I Golubev. Ugol' Ukr. 8 no.5 37 My '64.

TRANSFORMATIONS (MATHEMATICS)
Nonlinear transformations of continual integrals by Gaussian measures. A.D.Shatashvili. Dop. AN URSR no.6:717-719 '63.
Using Leibenzon's transformation to *process pressure* build-up curves in gas wells. K.S. Basniev, G.P. Tsybul'skii. Izv.vys.ucheb.zav., neft' i gaz 7 no.1 [illegible] '64.

TRANSIENTS (ELECTRICITY)
Transient *processes* in differential drives with resilient couplings (*wire rope*) V M *Chermalykh Sbor* nauch trud KGRI no 21 172-178 '63

TRANSISTOR AMPLIFIERS
Baramidze, V.A [Self stabilizing transistor amplifiers] Samostabiliziruiushchiesia tranzistornye *usiliteli. Leningrad*, 1964 16 p (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym *opytom. Seriia: Pribory* i elementy avtomatiki, no 3)
Beyond the zone of certain reception. B. Zelenov. Radio *no. 3 33 Mr '64.*
Method for designing transistor amplifiers with multi-loop feedback N S Nikolaenko Radiotekh i elektron 9 no 4 693-709 *Ap '64*
A stable transistor amplifier. S. Malyshev, S. Protopopov, Radio *no. 3:28-29 Mr '64.*
Transformerless low-frequency amplifier. V. Nosov. Radio no. 3:41-42 Mr '64.
[Transistor devices and their application; a collection of articles] Poluprovodnikovye pribory i ikh primenenie; sbornik statei. *Pod red.* IA. A. Fedotova. Moskva, Izd-vo "Sovetskoe radio."
No. 11. 1964. 296 p.
Transistorized logarithmic amplifier. V.S. Davydov, O N Mel'nik. Radiotekh. i elektron 9 no. 4 710-715 *Ap '64*

TRANSISTOR CIRCUITS
Kolokolov, M. V., V. R. Komovskii, and N. V. Mon'iakov. [Standardized transistor components for use in the construction of automatic control systems] Tranzistornye unifitsirovannye elementy dlia postroeniia skhem avtomatiki. *Leningrad, 1964. 22 p. (Leningradskii dom* nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 4)

TRANSISTOR CIRCUITS—RELIABILITY
Probability method for calculating semiconductor logical elements. S M. Domanitskii, I.V. Prangishvili. Avtom. i telem. 25 no.6:997-1003 Je '64.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS
Frequency converter. I. Stepin. Radio no. 3:36-37 Mr '64.
Transistor superheterodyne receiver built from "Turist" radio components. A. Kochetov. Radio no. 3:34-35 *Mr '64.*

TRANSISTORS
Analysis of the operation of a transistor in saturated state. E I Tentakov. Izv vys ucheb zav, elektromekh. 7 no 4 491-499 '64
Effect of the emitter efficiency on transient characteristics of a transistor Z S Gribnikov Radiotekh i *elektron 9 no 5 896-899 My '64*
Effect of the recombination speed in a nonrectifying electrode on the volt-ampere characteristic of a steep p-n junction G M Avak'iants, A IU. Leiderman Radiotekh i elektron 9 no 4 670-675 Ap '64
Experimental study of thin n-i-m junctions IU. F Sokolov Radiotekh i elektron 9 no 4 660-669 Ap '64.
Inertial characteristics of p-n junction diodes at a low leakage rate of the minority carriers through the nonrectifying contact. L I Baranov, G V. Selishchev. Radiotekh i elektron 9 no 6 1092-1096 Je '64
Junction transistor diode with steep transitions at *high* current level Z *S* Gribnikov Radiotekh i elektron 9 no 5 851-860 My '64
N-type characteristic of a two-base diode A P. Shtager, V I Stafeev. Radiotekh i elektron. 9 *no* 6 1040-1048 Je '64
Negative resistance of irradiated Ge and Si *diodes* F M Berkovskii, R S Kasymova, Radiotekh i elektron 9 no 5 899-901 My '64
Some laws governing the voltage-ampere characteristics of long diodes G M Avak'iants and others Radiotekh i elektron 9 no 5,868-875 My '64
Study of the dynamic breakdown phenomena in semicon*ductor* diodes at microwave frequencies I. A Strukov, V.S Etkin. Radiotekh i elektron 9 no 4 757-760 Ap '64
A two-base magnetodiode E. I. Karakushan, V I. Stafeev, *A P Shtager Radiotekh* i elektron 9 no. 6 1034-1039 *Je '64*
Voltage-ampere characteristics of diodes with rectifying contacts I I Abkevich Radiotekh. i elektron 9 no 5 861-867 My '64

TRANSITION METAL SILICIDES
Heats of formation and the nature of chemical *bonds in* transition metal silicides. IU. M. Golutvin. Zhur fiz. khim. 36 no. 6:1315-1318 Je '62.

TRANSITION METALS—METALLOGRAPHY
Structure of the transition zone during the welding of dissimilar steels. V.S. IArkovoi, V. D. Ivanov. *Metalloved,* i term. obr. met. no. 6 48-50 Je '64.

TRANSLATING AND INTERPRETING—STUDY AND TEACHING
Training of translators at a university. G.R. Gachechiladze. Vest. vys. shkoly 22 no. 5 86-87 My '64.

TRANSPLANTATION OF ORGANS, TISSUES, ETC.
Homotransplantation of organs and tissue as an immunological *problem, a review* V. I Govallo Pat. fiziol i eksp terap 7 no 6 74-81 N-D '63
Reconstructive operations of the trachea and bronchi. G. E. Ostroverkhov, N.S. Zheltikov. *Khirurgiia 40* no. 2:103-110 F '64.
Some special problems of transplantation, based on *materials* of the scientific conference of the Laboratory for Transplantation of Organs and Tissues at the Academy of Medical *Sciences of the U.S S.R.* I. D Kirpatovskii, V. V. Shuvaev. *Vest AMN SSSR* 18 no. 12 80-90 '63.

TRANSPORT OF SICK AND WOUNDED
Transportation and *treatment* of a patient with a severe form of tetanus. E.G. Toshchenko. Khirurgiia 40 no. 2:57-58 F '64.

TRANSPORTATION
(see also subdivision under Russia, Northern)
City transportation of tomorrow. I. Efremov. Zhil.-kom. khoz 13 no 10,20-21 O '63
Kommunisticheskaia *partiia Sovetskogo* Soiuza. Vysshaia partiinaia shkola. Kafedra *sovetskoi ekonomiki.* [Program on the economics of transportation; for schools of economics, *clubs* and seminars of the system of political education] Programma po ekonomike transporta; dlia *ekonomicheskikh* shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON *pri TsK KPSS,* 1963. 31 p.
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Program on transportation economics; *systems of political education for schools of* economics, groups and seminars] Transporto ekonomikos programa; *politinio svietimo* sistemos ekonominems mokykloms, rateliams ir seminarams. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 27 p. [In Lithuanian]
Make small machinery available to the construction of transportation systems. A.D. Nirk. Transp. stroi. 13 no. 12;32-34 D '63.
Quality of the construction of the means of transportation must be perfect. Transp. stroi. 13 no. 12:1-3 D '63.
A transportation problem in linear programming [illegible] Taibekov Vest AN Kazakh SSR 19 no 8 21-[illegible] Ag '63

TRANSPORTATION—ABSTRACTS
[Industrial transportation] Ref. zhur., Prom. transp no 7 Jl '64.

TRANSPORTATION—LAWS AND REGULATIONS
Decisions of the State Arbitration Agency attached to the Executive Committee of the Leningrad Soviet of Workers' Deputies. Inform sbor TSNIIMF no. 86 Mor pravo i prak. no 10:08-80 '63.

TRANSPORTATION—STATISTICS
Lebedev, E. P. [Transportation statistics] Transportnaia statistika. Izd. 2., perer. i dop. Moskva, Izd-vo "Statistika," 1964. 334 p.

TRANSPORTATION, AUTOMOTIVE
(see also subdivision under Volgograd Province)
Information Avt. transp. 42 no. 6 57-58 Je '64.
Mathematics and computing equipment should be used in automotive transportation. Avt. transp. 42 no. 6 4-[illegible] Je '64
Review and bibliography. Avt. transp. 42 no. 6 62-63 Je '64

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS
[Automotive and city transportation] Ref. zhur., Avt. i gor. transp. no. 7 Jl '64.

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—FINANCE
Bash, M. S., and M. R. Sholnfain. [The transportation financial plan of an automotive transportation enter*prise*] *Transfinplan* avtotransportnogo predpriiatiia Moskva, Transport, 1964. 108 p.

TRANSPORTATION, AUTOMOTIVE—*MANAGEMENT*
Geronimus, B. L. [Using mathematical methods in planning automotive freight transportation] Primenenie matematicheskikh metodov v planirovanii avtomobil'*nykh perevozok.* [n. p.] *Rosvuzizdat, 1963. 82* p.

TRANSPORTATION, AUTOMOTIVE—RATES
Cost and distance of freight haulage. M. Vinogradova, M Gololobov, E. Kolodinova. Avt. transp. 42 no. 6 [illegible] *39 Je '64*

TRANSPORTATION, AUTOMOTIVE—RESEARCH
Develop the research work in institutions of higher education L. Afanas'ev. Avt. transp. 42 no. 6.3-4 Je '64

TRANSPORTATION, AUTOMOTIVE—SAFETY MEASURES
Eliminate industrial accidents. Z. Zabalueva. Avt transp. 42 no. 6:12-13 Je '64

TRANSPORTATION, AUTOMOTIVE—*TECHNOLOGICAL* INNOVATIONS see subdivision under White Russia

TRANSPORTER BRIDGES
Conveyor bridge at the Shevchenko strip mine. M. M *Zherbin, S. I.* Balinskii. Ugol' Ukr. 8 no. 4:31-33 Ap '64.
Results of studying the "Balakhovskii" conveyor bridge N G Zhukov. Sbor. nauch. trud. KGRI no 21 166-169 '63.

TRAUMATISM
(see also subdivision under Transcarpathia, Vladimir Province)
Selection of the form of anesthesia in traumatology V I Sokolov. Vest. khir. 91 no 10.92-95 O '63
Vsesoiuznaia konferentsiia khirurgov *travmatologov* i anesteziologov, 2d, Baku, 1961. [Transactions of the Second All-Union Conference of Surgeons, Traumatologists and Anesthesiologists] Trudy konferentsii. Moskva, Medgiz, 1963. 383 p.
(DNLM)

TRAVELING-WAVE TUBES
Analysis of a self-matched solution for a transverse-current tube. G P. Patin. Radiotekh. i elektron. 9 no. 6:1086-1087 Je '64.
Current harmonics in the electron beam of a traveling-*wave tube* IU. N. Badlevskii. Radiotekh. i elektron. 9 no 6:930-937 My '64.

TRAWLS AND TRAWLING
Shentiakov, V. A. [Freshwater a. c.-powered trawling] Presnovodnyi elektrotralovyi lov ryby s primeneniem *peremennogo* toka. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 80 p. (Tekhnika rybolovstva)

Estimating the weight of a finite tree. B. A Trakhtenbrot. Sib. mat. zhur. 5 no. 1:186-191 Ja-F '64.

TREES—DISEASES AND PESTS

(see also subdivision under Georgia)

Zashchita lesnykh nasazhdenii ot vreditelei i boleznei. Moskva, 1963. 89 p.
[DNAL MICROFILM]

TREES—PHYSIOLOGY

Indices of the gas resistance of woody plants, according to research in Krasnoural'sk V S Nikolaevskii Trudy Inst. biol. UFAN SSSR no 31 69-79 '63

TREES—WOUNDS AND INJURIES see subdivision under Amur Valley

TREMATODA

(see also subdivision under Georgia; Gur'yev Province; Issykkul'; Khasan District; Soviet Far East; Tkibuli District; Vietnam, North)

Contamination of cattle with Ornithobilharzia in southern Kazakhstan. L. I. Lavrov. Paraz sel'khoz. zhiv Kazakh 3 103-113 '61

Materials on the functional histology of helminths occurring in the blood vessels. E. D Logachev Paraz sel'-khoz zhiv Kazakh. 3·104-107 '64

TRENCHING MACHINERY

Once again about the reliability and durability of rotary trench excavators. G. I. Sokolov. Stroi. truboprov. 8 no. 11:30-32 N '63.

TRESTLES

Reinforced concrete elements for open crane trestles Biul. stroi. tekh. 21 no 1.39-40 Ja '64.

TRIANGULATION

Estimation of the accuracy of a chain of triangles between starting points in triangulation of higher order after adjustment by grid azimuths for coordinate conditions. A. T. Cherkoz'ianov. Izv. vys. ucheb. zav.; geod. i aerof. no. 6:75-90 '63.

Spatial phototriangulation from oblique aerial photographs using an electronic computer. F. F. Lysenko. Izv. vys. ucheb. zav., geod. i aerof. no. 6:113-120 '63.

TRIANGULATION—ANALYSIS

Analysis of triangulation materials based on triangle errors of closure. Z. S. Khaimov. Izv. vys. ucheb. zav.; geod. i aerof. no. 6:63-74 '63

TRIASKIN, ANDREI ALEKSANDROVICH

A tireless propagandist. F. Kokin. Voen. znan 40 no. 6 30-31 Je '64

TRIAZINE

Some characteristics of corn growing in the Virgin Territory in connection with the use of the triazine-type herbicides. Z. V. Zhukhovitskaia, IU. N. Geshtovt. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:55-58 F '64.

Use of simazine in black currant plantations. G. S. Estpova. Vest. sel'khoz. nauki [Kazakh.] 7 no 2:127-130 F '64.

TRIAZINE—THERAPEUTIC USE

Treatment of malignant neoplasms in female sex organs by means of 6-azauracil. V. Kafka and others. Vop. onk. 8 no. 10:11-14 '62.

TRIAZOLOQUINAZOLINONE

Benzodiazine series. Part 5: 4-R-4,5-dihydro-s-triazolo[1,2-]-5-quinazolinones and 4-R-4,5-dihydrotetrazolo[1,2-]-5-quinazolinones. N N. Vereshchagina, I. IA. Postovskii. Zhur. ob. khim. 34 no. 6:1746-1748 Je '64.

TRICARBOXYLIC ACID CYCLE

Body reaction to the introduction of large doses of vitamin D2 (experimental data) B. A. Lavrov, E. L. Terent'eva Vest. AMN SSSR 18 no. 5·54-60 '63.

TRICHOCEPHALIASIS

Clinical aspects and epizootiology of trichocephaliasis in swine Zh. Sh. Shapolatov Paraz. sel'khoz. zhiv. Kazakh 3 147-150 '64

TRICHOGRAMMA

Trichogramma against the cutworm Agrotus segetum. K. V. Kamenkova. Zashch. rast. ot vred. i bol. 9 no. 6:18 '64.

TRICHOMONAS

Resistance of trichomonads in cultures to some drugs. IU. A Skripitsyn Zap. Vor sel'khoz. inst. 17 no. 2: 53-56 '62

TRICHOMONIASIS

Pathoanatomical changes in the sexual organs of bulls with trichomoniasis. V. A Akatov. Zap. Vor. sel'khoz inst 17 no 2 57-63 '62.

TRIOCTYLAMINE

Extraction of uranyl nitrate with trioctylamine from neutral solutions V M. Vdovenko and others Radiokhimiia 5 no. 6:737-739 '63.

TRILOBITES see subdivision under Caucasus, Northern

TRIPHENYLMETHANE DYES

Generation of paramagnetic centers and emf during electrochemical reactions in triphenylmethane dye polycrystals L A. Bliumenfel'd and others Dokl AN SSSR 157 no 2,381-383 Jl '64.

TRITIUM

Bonding energy of hypertritium in the case of nonlocal interaction I Sh Vashakidze, G A Chilashvili Dokl AN SSSR 157 no. 3:557-560 Jl '64.

TROLLEYBUSES

For future trolleybus drivers. IU Galonen Zhil.-kom khoz 13 no 9:34 S '63

Markovnikov, V. L., and D. I. Perkis. [ZIU-5 trolleybus] Trolleibus ZIU-5. Moskva, Stroiizdat, 1964. 133 p.

TROLLEYBUSES—MAINTENANCE AND REPAIR see subdivision under Kiev

TROLLEYBUSES—WIRES AND WIRING

Manufacture by powder metallurgy of inserts for current collecting devices on trolleybuses. A. N. Medvedskii. Trudy GPI 19 no. 1.69-73 '63

TROPICS—DISEASES AND HYGIENE

Brief news and information. Zool zhur. 43 no. 5· 794-798 '64.

TROUSERS

New developments in the tailoring of trousers V. P. Zaitseva Nauch.-issl trudy TSNIIShveiproma no. 11. 36-53 '64.

TROUT see subdivision under Bashkiria; Kamchatka; Minsk

TRUSSES—TESTING see subdivision under Bashkiria

TRYPSIN

Biochemical changes in media of tryptic digestion in the process of toxin formation by the diphtheria bacillus T. L. Miriutova, T. S. D'iakonova. Trudy TomNIIVS 14:195-198 '63.

TRYPTAMINE

Use of indopan in clinical psychiatry V. G Levit, T. N. Morozova, A. N. Popova. Zhur nevr i psikh. 64 no 5 768-770 '64.

TRYPTAMINE—PHYSIOLOGICAL EFFECT

Pharmacology of 5-methoxytryptamine hydrochloride M. D. Mashkovskii, G S. Arutiunian. Farm i toks. 26 no 1·10-17 Ja-F '63

TRYPTOPHAN

Possibility of the intertryptophan migration of energy in protein systems. S V. Konev, M. A. Katibnikov, T. I Lyskova. Biofizika 9 no 1 124-127 '64.

TSEBEL'DA REGION (CAUCASUS)—GLACIAL EPOCH

New data on supposed traces of glacial activity in the Tsebel'da region (southern foothills of western Caucasus). L. I. Maruashvili, G. Z. Changashvili. Soob. AN Gruz. SSR 33 no. 1:123-130 Ja '64.

TSELINOGRAD PROVINCE—GRAIN HANDLING

Struggling for the title of enterprise of communist labor. P. Shashurin, P. Boiko, V. Latyshev. Muk.-elev. prom. 30 no. 4:3-6 Ap '64.

TSELINNYY KRAY see Virgin Territory

TSIMLYANSK RESERVOIR—FISHES—FOOD

Some characteristics of interspecific relationships between the pike and main species of fishes in Tsimlyansk Reservoir. L. N. Domanevskii Zool. zhur. 43 no. 1 71-79 '64.

TSIMLYANSK RESERVOIR—PIKE

Some characteristics of interspecific relationships between the pike and main species of fishes in Tsimlyansk Reservoir. L. N. Domanevskii. Zool. zhur. 43 no. 1.71-79 '64.

TSKHENIS-TSKALI VALLEY—PETROLOGY

Petrography of the lower part of the Middle Jurassic volcanic formation. T. V. Dzhanelidze. Soob. AN Gruz. SSR 33 no. 1:131-138 Ja '64.

TSKHENIS-TSKALI VALLEY—ROCKS, IGNEOUS

Young intrusions in the upper Tskhenis-Tskali Valley. I. I. Kiknadze. Izv. Geol. ob-va Gruz. 2 no. 2:65-73 '61.

TUARKYR REGION—BELEMNITES

Belemnites from the Upper Cretaceous sediments of Tuarkyr region. V. I. Kuznetsov. Trudy VSEGEI 109:120-141 '63.

TUARKYR REGION—GEOLOGY, STRATIGRAPHIC

Recent data on the stratigraphic position of the red series occurring at the basement of the Barremian stage in the Dongra section (Tuarkyr). V. I. Semkiv, L. P. Alekseeva. Trudy Turk. fil VNII no 6 17-20 '63.

Stratigraphy of the Apt and Alba sediments of Tuarkyr region. T N. Bogdanova, N P Luppov, E. IA IAkhnin Trudy VSEGEI 109:75-97 '63

TUARKYR REGION—MINERALOGY, DETERMINATIVE

Mineralogical composition of Apt and Alba sediments in the Tuarkyr region E. N IAkhin, V N. Soboleva Trudy VSEGEI 109.232-237 '63

TUARKYR REGION—PETROLEUM GEOLOGY

Recent data on the stratigraphic position of the red series occurring at the basement of the Barremian stage in the Dongra section (Tuarkyr). V. I. Semkiv, L. P. Alekseeva. Trudy Turk. fil. VNII no. 6·17-20 '63.

TUBE BENDING

Device for bending. G. Vasin. Shkola i proizv. 8 no. 5 79 My '64.

TUBERCULIN—TESTING

Allergic reactions in cows with tuberculosis as related to the level of general reactivity D D Novak, M T Komaev Zap Vor sel'khoz inst 17 no 2 31-37 '62

TUBERCULOSIS

Daillidoniene, Jadvyga. [Tuberculosis, an infectious disease] Tuberkulioze—uzkreciama liga. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 16 p. [In Lithuanian]
(DNLM)

Health resort and climatological treatment of tuberculosis in the Yalangach Sanatorium (1950-1960) F V Ovcharova Sbor trud. Uz gos nauch.-issl. inst. kur. i fizioter. 17.131-134 '62

TUBERCULOSIS IN ANIMALS

Allergic reactions in cows with tuberculosis as related to the level of general reactivity D D Novak, M T Komaev Zap Vor sel'khoz inst 17 no 2 31-37 '62

Elimination of tuberculosis in cattle on farms afflicted by the disease D D Novak Zap Vor sel'khoz inst 17 no 2 21-30 '62

TUBERCULOSIS IN POULTRY

Eliminating tuberculosis in poultry on farms using BCG vaccination K A Shitov, V P. Vitl alov. Zap Vor sel'khoz inst 17 no 2 39-45 '62

TUBERCULOUS—REHABILITATION, ETC.

Why is there no special workshop N. Andreeva Sots obesp. 25 no 5 38-39 My '64.

TUBEROUS SCLEROSIS

Clinical aspects of tuberous sclerosis in children. L. M. Kalinina. Zhur. nevr. i psikh. 63 no. 7 1067-1071 '63.

TUKHACHEVSKII, MIKHAIL NIKOLAEVICH, 1893-1937

My opinion. A. Todorskii Nov. mir 39 no. 10:199-202 O '63.

TUMORS

Antineoplastic activity of phosphazine V. A. Chernov, A A Grushina, L. G Lytkina. Farm i toks 26 no 1 102-108 Ja-F '63

The close topographic contacts of the membranous structures in the tumor cell, an (electron microscopic study). N. P Dmitrieva. Arkh. pat 25 no. 10.16-24 '63.

The giant cells of tumors. L. L. Gol'tsman. Arkh. pat. 25 no. 10 24-28 '63.

Review of the book "Diagnosis of tumorous diseases." I. L. Tager. Vest. rent. i rad 38 no. 3:87-88 My-Je '63.

TUMORS—TRANSPLANTATION

Transplantation of "radiation" tumors of mammary glands in rats. V. I. Ponomar'kov. Biul. eksp. biol. i med. 56 no. 8:85-88 Ag '63.

TUNGSTATES

Isotopic exchange of oxygen in the systems WO_3 - O_2 and $Na_2W_4O_{13}$ - O_2. V. G. Finikov, G. N. Zykova. Zhur. fiz. khim. 38 no. 3:542-546 Mr '64.

TUNGSTEN-COBALT ALLOYS see Cobalt-tungsten alloys

TUNGSTEN COMPOUNDS

Crystallochemical characteristics and certain physical properties of compounds with the structure of hexagonal tungsten oxygenic bronze. V. A. Isupov, A. I Agranovskaia, M. F. Bryzhina. Kristallografiia 8 no. 1:108-110 Ja-F '63.

Disordered and superstructure phases in the system W - N. V. I. Khitrova. Kristallografiia 8 no. 1:39-46 Ja-F '63.

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNEL DIODES

[illegible] comparison with experimental [illegible] characteristics of a germanium [illegible] A N F[illegible] P S Serebriarniko. [illegible] 4 576 5[illegible]0 Ap '64

[illegible] volt-ampere characteristics of [illegible] D A Ar[illegible] F IA Rabinovich Radiotekh i elektron [illegible] 4 716-723 Ap '64

TUNNEL LINING—CORROSION

[illegible] against corrosion of reinforced concrete tunnel lining on electrified railroads V.S Artamonov Transp. stroi 13 no 12 50-52 D '63

TUNNELING

Mechanized shield tunneling in mixed rocks O V.Smirnov Transp. stroi 13 no 12 21-25 D '63

[illegible] 33 [illegible] of a running tunnel in one month in the [illegible] of the Moscow subway A I Shcherbina, N A [illegible] Shakht. stroi 7 no 11 24-26 N '63

TUNNELS—MAINTENANCE AND REPAIR

[Advanced practices in maintaining and repairing bridges and tunnels] Peredovoi opyt soderzhaniia i remonta mostov i tunnelei. Moskva, Transport, 1964. 76 p.

TURBINES

[illegible] turbodrill turbine with an eccentric connection. [illegible] Neft khoz 41 no 1 64-65 Ja '63

[illegible] turbines. V A Sherstiannikov [illegible] 13 no 10 10-13 O '63

Study of two-row velocity stages with different nozzle apparatus V D Pshenichnyi Teploenergetika 10 no 10 23-2[illegible]

TURBINES—EQUIPMENT AND SUPPLIES

Study of the heat resistance of pins with rolled-on threads M P Markovets G A Stepanov Teploenergetika 10 no 10 42-45 O '63

TURBODRILLS

Increasing the indices of turbine drilling at great depths R A. Ioannesian Neft. khoz 41 no 11:6-11 N '63

Sectional turbodrill turbine with an eccentric connection. Kh I Atnan Neft khoz 41 no 1 64-65 Ja '63

Telemetering the rotation speed of a turbodrill shaft B A Grachev, A I Leonov Neft khoz. 41 no 1 19-23 Ja '63

Turbodrills with spiral grooves N N Mamedov IU I Zaalov Azerb neft khoz 42 no 9 17-19 S '63

Variation in the indices of the simultaneous operation of a pump and a turbodrill turbine when using heavy muds. O. A. Lediashov, I. E. Katryshev. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1 17-22 '64.

TURBODRILLS—TESTING

Electric torque meters. L.A Gol'dring. Mash. i neft. obor no. 3 30 '63

TURBOGENERATORS

Experience in the operation of turbogenerators with indirect cooling of the windings in nonsteady modes of operation Elek sta 35 no 4 89-90 Ap '64

Gate mechanism of a Francis-type hydraulic turbine-generator unit. I. L. Loitsianskaia. Izv. vys. ucheb. zav., energ 7 no 5 86-92 My '64.

Installation of rubber rings in the seals of water-cooled turbogenerators V P Gunin V S Gurvich Energetik 12 no 4 22-24 Ap '64

Resynchronization of a hydrogenerator by electric braking D. E Trofimenko. Elektrichestvo no. 6:21-23 Je '64.

TURBOMACHINES

Experimental system for measuring pressure on the rotor blades of a rotating turbomachines. P.P. Emets. Izv. vys. ucheb. zav.; energ 5 no. 8:109-112 Ag '62.

Practical method for calculating three-dimensional flow in a turbomachine stage B M Troianovskii Teploenergetika 10 no 10 28-29 O '63

TURBULENCE

Distribution of velocities in a plane flow at small depths. L. G. Gogiberidze. Soob. AN Gruz. SSR 33 no. 1:161-166 Ja '64.

Investigating turbulent characteristics of a flow under natural conditions. N. H. Pozniaia, B. M. IEhidis. Prykl. mekh. 10 no. 2:216-221 '64.

TURGENEV, NIKOLAI IVANOVICH, 1789-1871

N. I. Turgenev -"Lutteroth"? on the issue of authorship. V. M. Tarasova. Ist. SSSR 8 no. 1:144-148 Ja-F '64.

TURKEY—EDUCATION

Public education in Turkey. O Gurin. Nar. obr no. 6: 100-101 Je '64

TURKMENISTAN—AMMONOIDEA

Upper Barrem ammonites of Turkmenistan. S. Z. Tovbina. Trudy VSEGEI 109:98-112 '63.

TURKMENISTAN—ART GALLERIES AND MUSEUMS

Ashkhabad. Gosudarstvennyi muzei izobrazitel'nykh iskusstv [State Museum of the Fine Arts of the Turkmen S. S. R.] Gosudarstvennyi muzei izobrazitel'nykh iskusstv Turkmenskoi SSR. Moskva, Gos. izd-vo izobraz. iskus., 1962. 1 v. (chiefly illus) (MH)

TURKMENISTAN—BITS (DRILLING AND BORING)

Certain regularities in well drilling using weighted clay mud in western Turkmenistan. L. P Stoianovskii. Trudy Turk. fil VNII no. 6:94-103 '63

TURKMENISTAN—CIVIL LAW

Turkmen S. S. R. Laws, statutes, etc. [Civil Code of the Turkmen Soviet Socialist Republic] Grazhdanskii kodeks Turkmenskoi Sovetskoi Sotsialisticheskoi Respubliki. Ashkhabad, Turkmenskoe izd-vo, 1964. 339 p.

TURKMENISTAN—CIVIL PROCEDURE

Turkmen S. S. R. Laws, statutes, etc. [Civil Procedure Code of the Turkmen S. S. R.] Grazhdanskii protsessual'nyi kodeks Turkmenskoi SSR. Ashkhabad, Turkmenskoe izd-vo, 1964. 293 p.

TURKMENISTAN—ELECTRIC PROSPECTING

Results of electric prospecting in southwestern Turkmenia K S. Gumarov Razved i prom geofiz no. 49: 65-71 '63.

TURKMENISTAN—EROSION

Erbent erosion region. A. G. Bliskavka Trudy VSEGEI 109 38-43 '63.

TURKMENISTAN—FOOD—ANALYSIS

Strontium content of food products in the Turkmen S. S. R. according to spectrum analysis. N. N. Grigor'iants. Vop pit 22 no 6.63-65 N-D '63.

TURKMENISTAN—FORAMINIFERA, FOSSIL

Upper Paleocene and Lower Eocene complexes of Foraminifera in Turkmenistan. E. M. Bugrova and others. Trudy VSEGEI 109 178-186 '63.

TURKMENISTAN—GASTROPODA, FOSSIL

Badchiseatia, a new genus of continental gastropods from the Middle Eocene of Turkmenia I A. Korobkov Paleont zhur. no 1:38-44 '64.

TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Stratigraphic analogues in the Kerestinskiy horizon in the Eocene of Turkmenistan. E. I. Saperson, E. M. Bugrova. Trudy VSEGEI 109:187-193 '63.

Stratigraphic distribution of complexes of Foraminifera in the Upper Cretaceous section of the Tuarkyr region. L. A. Tverskaia. Trudy VSEGEI 109:172-177 '63.

Stratigraphy and lithology of the Lower Cretaceous sediments in the Farab region. V. I. Semkiv, A. IArdzhanov. Trudy Turk. fil. VNII no. 6:29-33 '63.

Stratigraphy of the Upper Jurassic sediments of western Turkmenistan. Trudy VSEGEI 109:57-69 '63.

Upper Cretaceous and Paleogene sediments in a section of well 1 in the Karachop structure. E. I. Markelova. Trudy VSEGEI 109:333-346 '63

TURKMENISTAN—LIMESTONE

Types of limestone in the Mesozoic sediments of Farab. F. M. Stashkov. Trudy Turk. fil. VNII no. 6:50-54 '63.

TURKMENISTAN—OIL FIELD BRINES

Underground waters of the Mesozoic sediments of the Amu-Darya swell. V. V. Kolodii. Trudy Turk. fil. VNII no. 6:6-13 '63.

TURKMENISTAN—OIL WELL DRILLING FLUIDS

Certain regularities in well drilling using weighted clay mud in western Turkmenistan. L. P Stoianovskii. Trudy Turk. fil. VNII no. 6:94-103 '63.

TURKMENISTAN—OIL WELLS—HYDRAULIC FRACTURING

Selecting a substance for the reinforcement of fractures formed in beds in hydraulic fracturing. G. G. Solomatin. Trudy Turk. fil. VNII no. 6:88-93 '63.

TURKMENISTAN—PALEONTOLOGY, STRATIGRAPHIC

New Aralocardia Vialov from the Paleogene of Turkmenistan. O. S. Vialov. Trudy VSEGEI 109:196-206 '63.

TURKMENISTAN—PARASITES—GERBILS

Diurnal activity of sand flies in the burrows of the greater gerbil. V. N. V'iukov. Zool. zhur. 43 no. 5: 779-782 '64.

TURKMENISTAN—PETROLEUM GEOLOGY

Brief characterization of the composition of the Paleozoic and Mesozoic sediments of the Darvaza region. A. IArdzhanov. Trudy Turk. fil. VNII no. 6: 43-49 '63.

Reservoir rock properties of the Lower Cretaceous prospecting areas in Turkmenistan. D. I. Baranov, V. I. Semkiv. Trudy Turk. fil. VNII no. 6:21-28 '63.

Stratigraphy and lithology of the Lower Cretaceous sediments in the Farab region. V. I. Semkiv, A. IArdzhanov. Trudy Turk. fil. VNII no. 6:29-33 '63.

Types of limestone in the Mesozoic sediments of [illegible] F. M. Stashkov. Trudy Turk. fil. VNII no. 6 50-54 [illegible]

TURKMENISTAN—PETROLEUM PRODUCTION

Characteristic geological and operational features of the oil fields of Turkmenistan and efficient methods for their development. N. A. Cherepakhin Trudy Turk. fil. VNII no. 6:60-80 '63.

TURKMENISTAN—ROCKS, SEDIMENTARY

Brief characterization of the composition of the Paleozoic and Mesozoic sediments of the Darvaza region. A. IArdzhanov. Trudy Turk. fil. VNII [illegible] 43-49 '63.

TURKMENISTAN—SAND FLIES

Diurnal activity of sand flies in the burrows of the greater gerbil. V. N. V'iukov. Zool. zhur. 43 no. 5: 779-782 '64.

TURKMENISTAN—SCARABAEIDAE

Larva of the lamellicorn beetle Brenskea (?) (Coleoptera, Scarabaeidae) from Turkmenia. S. I. Medvedev. Zool. zhur. 43 no. 1:140-142 '64.

TURKMENISTAN—WATER, UNDERGROUND

Waters of the red series of the Kemir-Chikishliar [illegible] A. A. Kuz'min, A. Akmamedov. Trudy Turk. fil. VNII no. 6:38-42 '63.

TURNING

Bollin, Sh. I. [Manual for wood turners] Posobie dlia tokarei po derevu. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 114 p.

Blumberg, V. A., and M. A. Sergeev. [Operator of vertical lathes] Tokar'-karusel'shchik. Izd. 2., perer. i dop. Moskva, Mashinostroenie, 1964. 391 p.

Chernavskii, G. N. [Fundamentals of an efficient use of automatic and semiautomatic lathes; machining ring and bushing type parts] Osnovy ratsional'nogo ispol'zovaniia tokarnykh avtomatov i poluavtomatov; obrabotka detalei tipa kolets i vtulok. Moskva, Izd-vo "Mashinostroenie," 1964. 214 p.

Establishing a universal algorithm for designing the technology of machining on lathes. D. K. Lipatov Trudy Proek.-tekh. i nauch.-issl. inst. no. 2:65-[illegible] '63.

Introducing diamond turning. A. M. Brodskii. Mashinostroitel' no. 1 32 Ap '64.

Machining key beds on lathes. V. I. Mateshko Mashinostroitel' no. 4:28 Ap '64

New technology for manufacturing splined holes. V. I. Zaporozhchenko, P. M. Kuznetsov. Mashinostroitel' no. 4 35 Ap '64.

Programming for the automation of technological designing N. V Gerasimova and others. Trudy Proek.-tekh. i nauch.-issl. inst no. 2:94-111 '63

Reducing auxiliary time in machining special pins P. P. Vakhramov. Mashinostroitel' no. 5:30 My '64

Roughness of steel surface subjected to high-speed [illegible] turning. V. V. Kovalenko. Trudy LVMI 1:[illegible]

TURPENTINING

Improving the technology and organization of tree tapping G. B. Olovenikov. Gidroliz. i lesokhim. prom. 17 no. 4: 6-7 '64.

Sharpener for enveloping hacks. G. S. Kolosko. Gidroliz. i leskohim. prom. 17 no. 4:22 '64.

al-TUSI, NASIR AL-DIN MUHAMMAD IBN MUHAMMAD

Nasir al-Din al-Tusi's commentaries on Archimedes' work "On the sphere and cylinder." A Kubesov Vest. AN Kazakh. SSR 19 no. 6.66-70 Je '63.

TUYMAZY OIL FIELD—ASPHALT

Double-stage deasphalting of crude residues from the Tuymazy petroleum. V. M. Shkol'nikov, I. B. Brosfin. Neftepeг. i neftekhim. no. 6:9-13 '63.

TUYMAZY OIL FIELD—PETROLEUM PRODUCTION

Development of the Apsalyamovo water cut petroleum area of the Tuymazy field. T. M. Zoloev and others. Neft. khoz. 42 no. 3:21-26 Mr '64.

TWIST DRILLS

Multiple-purpose drill with a head for removing chamfers from cylindrical parts. P. F. Gornostaev, A. N. [illegible]zhenko. Mashinostroenie no. 1:74 Ja-F '64.

TYPESETTING MACHINES

Eidel'nant, I. B. [Automation of typesetting and the printer's corrections; a survey] Avtomatizatsiia nabora i izdatel'skaia korrektura; obzor. Moskva, Vses. nauchno-issl. in-t poligraficheskoi promyshlennosti, 1963. 53 p. (Informatsionnye materialy)

Moscow. TSentral'nyi [illegible] [illegible] 1963. 12 [illegible] Poligraficheskaia [illegible]

Remarks to the article "Specificity of the indicatory typhoid fever phage" by V.N. Kuznetsova, Z.S.Ostrovskaia and T.N. Broker. V.I Pisarenko and others Lab. delo no.6:377-378 '64.

TIUMEN' PROVINCE—DAIRYING—COSTS

For profitable dairy farming. P. Polishchuk. Ekon. sel'khoz. 36 no.1:25-30 Ja '64.

TYUMEN' PROVINCE—FLAX

Sowing rates for fiber flax in the taiga borderland of Tyumen' Province. I.S Khomiakov Sbor nauch. rab Sib nauch.-issl inst. sel' khoz no 6:67-71 '61.

TIUMEN' PROVINCE—WILLIAMSONIACEAE

Find of the strobile of Williamsoniella in Upper Jurassic deposits of Western Siberia. IU.V.Teslenko. Paleont. zhur. no.2:160-162 '64.

UKHTA VALLEY—PETROLEUM

Ukhta oil in Hamburg in 1747. K.V.Kostrin. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:105-106 '64.

UKRAINE—AGRICULTURAL LIBRARIES

Library of the Research Institute for Animal Husbandry, Forest Steppes, and the Forest Area of the Ukraine. I.F. Chitenko. Biul. TSentr nauch sel'khoz. bibliot. no. 7:24-26 '61.

UKRAINE—AGRICULTURAL MACHINERY INDUSTRY

Contribution of the working class to the consolidation of the material and technical base of agriculture. A.A. Pantelelchuk. Uch. zap. kaf. ist. KPSS no. 4:91-116 '61.

UKRAINE—ARTIFICIAL INSEMINATION

Provide collective farms with artificial insemination stations S Smetaniuk. Sil', bud. 12 no.12 4-6 D '62.

UKRAINE—ATMOSPHERIC NUCLEATION

Distribution of condensation nuclei over the Ukrainian meteorological polygon. E.S. Selezneva. Trudy GGO no. 154:3-10 '64.

UKRAINE—AUTOMATION

Underground automatic pneumatic pump installation with a BIE-25 towerless pumping station. K. Piven' Sil' bud 13 no. 7:10-11 Jl '63.

UKRAINE—BIOCHEMICAL RESEARCH

Changes in the structure of the Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R. Dop. AN URSR no. 6:825-826 '63.

UKRAINE—BOTANICAL SOCIETIES

Ukrainian Botanical Society in 1963. A.I. Barbarych, V.V. Osychniuk. Ukr. bot. zhur. 21 no. 3:109-111 '64.

UKRAINE—BOTANY—BIBLIOGRAPHY

Literature on the flora and vegetation of the Ukrainian S.S.R. published in 1960. A.I. Barbarych, H.O. Kuznetsova. Ukr. bot. zhur. 21 no. 3:93-108 '64.

UKRAINE—CAPITAL INVESTMENTS

Planning of capital investments in trade. V. Ivanitskii. Plan khoz 41 no. 7:50-56 Jl '64.

UKRAINE—CHEMICAL INDUSTRIES

Chemical industry of the Ukrainian S.S.R. during the fifth year of the seven-year plan. Khim. prom. [Ukr.] no. 1:3-4 Ja-Mr '63.

Chemistry as the assault front of the struggle for communism P E Shelest Komm. Ukr 39 no 1: 4-17 Ja '64.

UKRAINE—CHEMICAL RESEARCH

Present state and future development of scientific research on the theory of chemical structure, kinetics and reactivity. Dop. AN URSR no. 6:822-823 '63.

UKRAINE—CHEMISTRY—AUDIO-VISUAL AIDS

In the Ministry of Education of the Ukrainian S.S.R. Rad. shk 43 no. 5:109-110 My '64

UKRAINE—CITY PLANNING

For well-organized, green, and beautiful cities. Stroi. i arkhit. 12 no. 5:1-2 My '64.

UKRAINE—CLOTHING INDUSTRY

In the economic councils of the Ukraine. V.M. Romanchenko. Leh. prom. no. 2:77 Ap-Je '64.

UKRAINE—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Efficiency in using continuous track-moving machines in coal strip mines in the Ukraine. A.A. Chornegov. Ugol' Ukr. 8 no. 5:29-30 My '64.

UKRAINE—COAL MINES AND MINING—LABOR PRODUCTIVITY

Mine No. 54 is an enterprise of high labor productivity. A.I. Sokolov. Ugol' Ukr. 8 no. 4:6-7 Ap '64.

UKRAINE—COLLECTIVE FARMS—FINANCE

New forms of financial plan for construction work of an interfarm building organization. H.Gol'bring. Sil'. bud. 12 no. 12.18-19 D '62.

Why the State Bank does not give long-term credit directly to interfarm building organizations and industrial enterprises A Savinova, Z Velyka Sil'. bud 12 no 12 19-20 D '62

UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION

New forms of financial plan for construction work of an interfarm building organization H.Gol'bring Sil' bud 12 no. 12 18-19 D '62

Why the State Bank does not give long-term credit directly to interfarm building organizations and industrial enterprises A Savinova, Z Velyka Sil' bud 12 no 12 19-20 D '62

UKRAINE—COMMERCE

Planning of capital investments in trade V Ivanitskii Plan khoz 41 no 7 50-56 Jl '64

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

Kommunisticheskaia partiia Ukrainy. Dnepropetrovskii oblastnoi komitet. Partiinyi arkhiv. [V. I. Lenin and the Bolshevik organization of Yekaterinoslav, documents and materials] V. I. Lenin i ekaterinoslavskaia bol'shevistskaia organizatsiia; dokumenty i materialy. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1962. 202 p.
(MH)

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Klymko, M.S. [The 14th Congress of the Communist Party (Bolshevik) of the Ukraine] Chotyrnadtsatyi z'izd KP (b) U. Kyiv, Politvydav Ukrainy, 1964. 141 p. (Z'izdy i konferentsii KP Ukrainy)

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The most important aspect of organizational work. N Seroshtan. Komm Ukr 39 no 1 90-93 Ja '64.

UKRAINE—CONSTITUTIONAL LAW

Marchuk, V.M. [Governmental organs of the Ukrainian S.S.R. at the present stage] Organy gosudarstvennogo upravleniia USSR na sovremennom etape. Kiev, Izd-vo "Naukova dumka," 1964. 190 p.

UKRAINE—CORN (MAIZE)—DRYING

Mechanized production line. B.Studzyns'kyi, B.Cherevats'kyi. Sil'.bud. 13 no.3:6-7 Mr '63.

UKRAINE—DAIRY BARNS—EQUIPMENT AND SUPPLIES

New equipment for cowsheds. A.Ivanov. Sil'.bud. 13 no.3:8-9 Mr '63.

UKRAINE—DRUGSTORES

Brief news and information. Farmatsev. zhur 18 no 4: 94-95 '63.

State of and measures for further improvement of pharmacy in the Ukrainian S S.R P I Kovalenko. Farmatsev. zhur 18 no 4:3-11 '63.

UKRAINE—ECONOMIC POLICY

Kochubei, A.D. [Planning and administrative guidance at the present stage] Planuvannia i hospodars'ke kerivnytstvo na suchasnomu etapi. Kyiv, Derzhpolitvydav URSR, 1963. 139 p.

Main problems in developing the economy of the Ukrainian S S R. A Kochubei. Plan. khoz 41 no. 7 1-7 Jl '64.

UKRAINE—FARM BUILDINGS

Tile roofs for livestock buildings. V. Zakharchenko Sil'. bud. 13 no 7 15-16 Jl '63.

UKRAINE—FARM BUILDINGS—DESIGN AND CONSTRUCTION

New standard designs of farm buildings. Sil'.bud. 13 no.3:24 Mr '63.

Plan for major construction work should be carried out in time and according to all indices. M.Kolotii. Sil'. bud. 13 no.3:1-2 Mr '63.

Provide collective farms with artificial insemination stations. S Smetaniuk. Sil'. bud. 12 no. 12:4-6 D '62.

UKRAINE—FARM BUILDINGS—EQUIPMENT AND SUPPLIES

Production of reinforced concrete and mesh reinforced concrete feeders, trough, trays, and trap-doors for livestock buildings. I. Maiboroda Sil'. bud. 13 no. 7:12-15 Jl '63

UKRAINE—FARMHOUSES

New rural dwellings will be beautiful and comfortable. S. Laponohov. Sil'. bud. 13 no. 7 9-10 Jl '63

UKRAINE—FERTILIZER INDUSTRY

Economic efficiency of capital investments in the expansion of the mineral fertilizer industry in the Ukrainian S.S.R. L.H. Chorneha. Khim. prom. [Ukr.] no. 1:73-75 Ja-Mr '63.

UKRAINE—FINANCE

Strengthen intraplant business accounting and increase the profitability of enterprises. O. Osyka, P. Laban. Plan. khoz. 41 no. 7:68-71 Jl '64.

UKRAINE—FOREST ECOLOGY

Rejuvenation of undergrowth in steppe plantations. M. L. Reva. Izv. vys. ucheb. zav., les. zhur. 6 no. 6 37-41 '63.

UKRAINE—FOREST REPRODUCTION

Rejuvenation of undergrowth in steppe plantations. M. L. Reva Izv. vys. ucheb. zav. les. zhur. 6 no. 6 37-41 '63.

UKRAINE—GEOLOGY, STRUCTURAL

Geological characteristics of the relief of the Sushchano-Perzhanskaya tectonic zone and the possibility of their utilization in the study of basement structure K.S. Dzhaharians. Geol. zhur. 23 no 4 82-87 '63

UKRAINE—GRAPE BREEDING

Inheritance of characters by hybrid grape seedlings on the first germination I A IAkymenko Nauk pratsi Nyzhn'odnipr. nauk.-dosl sta po zalis pisk i vyn ra pisk no 9 87-94 '61

UKRAINE—HISTORY

Valuable research on the history of culture and education in the Ukraine H I IAsnyts'kyi Rad shk 43 no 5 97 My '64

UKRAINE—HYDROLOGY

Some results of the study of the moisture balance in the zone of aeration based on observation materials of the "Teofaniya" hydrogeological station. K.D. Tkachenko. [Pratsi] Inst. geol. nauk AN URSR Ser hidrogeol. i inzh geol no. 9:76-95 '63.

UKRAINE—INDUSTRIES

Milestones of the seven-year plan in the light industry of the Ukrainian S.S.R IU F Haevs'kyi, H.V Dzis' Leh. prom. no. 2:3-6 Ap-Je '64.

UKRAINE—INSULATION (HEAT)

Effective materials from expanded perlites. I. Barvel', IE Kal'onov Sil' bud. 13 no 7 20-22 Jl '63

UKRAINE—INSURANCE, SOCIAL

Fedorov, A. F. [Social insurance in the Ukrainian S S.R.] Sotsial'ne zabezpechennia v Ukrains'kii RSR. Kyiv, Derzhpolitvydav URSR, 1964. 70 p.

UKRAINE—LABOR AND LABORING CLASSES

"Conditions and struggle of the laboring class of the Ukraine from 1860 to 1890" by O.A. Parasun'ko. Reviewed by L.V. Oliinyk. Dop. AN URSR no. 6:827-830 '63.

UKRAINE—LACTIC ACID BACTERIA—CULTURES AND CULTURE MEDIA

Characteristics of the heterofermentative lactic acid cocci isolated from the epiphytic microflora of some plants of the Ukraine. O. O. Nesterenko. Mikrobiol. zhur. 25 no 6:6-12 '63.

UKRAINE—LANGUAGES—STUDY AND TEACHING

Make way for progress. V. Moroz. Rad shk. 43 no 5 105-108 My '64

UKRAINE—LAW

Ukraine. Laws, statutes, etc. [Chronological collection of the statutes and decrees of the Presidium of the Supreme Soviet, and of the decisions and regulations of the Government of the Ukrainian S.S.R.] Khronologichne zibrannia zakoniv, ukaziv Prezidii Verkhovnoi Rady, postanov i rozporiadzhan' uriadu Ukrains'koi RSR. Kyiv, Politvydav Ukrainy.
Vols. 5-6. 1959-1960. 1964.

UKRAINE—LIMESTONE

Cross bedding and the minable level of stagnancy of underground water in Pliocene limestone in the southern Ukraine V F Petrun'. Sbor. nauch trud. KGRI no. 21 14-21 '63.

UKRAINE—LIVERWORTS

Zerov, D. K. [Flora of liverworts and sphagnum mosses] Flora pechinochnykh i sfahnovykh mokhiv Ukrainy. Kyiv, Vyd-vo "Naukova dumka," 1964. 354 p.

UKRAINE—MACHINERY INDUSTRY

Brief news. Mashinostroenie no. 1:103 Ja-F '64.

Objectives of the Ukrainian machinery industry in 1964. D.I. Poliakov. Mashinostroenie no. 1:3-6 Ja-F '64.

UKRAINE—MILKING PARLORS

Eliminating shortcomings in the ties of rotary milking parlors. V. Chaplyts'kyi. Sil'.bud. 13 no. 3:4-5 Mr '63.

UKRAINE—MITES

Gamasid mites in birds and their nests in the Ukrainian S.S.R. G.I. Pirianik, I.A. Akimov. Zool. zhur. 43 no. 5:671-679 '64.

UKRAINE—PALEOBOTANY, STRATIGRAPHIC

Study of the flora and plant cover of the Kuyal'nitskiy age in the south of the Ukraine. N.O. Shchekina Ukr bot. zhur. 21 no. 3:84-90 '64.

UKRAINE—PARASITES—BIRDS

[illegible] Ukrainian [illegible] Zool zh r 43 [illegible]

UKRAINE—PARASITIC PLANTS

[illegible] entative lactic acid [illegible] the microflora of some [illegible] O O Nesterenko Mikrobiol [illegible]

UKRAINE—PEAR—VARIETIES

[illegible] in the Ukraine I [illegible] Shlderko [illegible] 3,437-442 My-Je '64

UKRAINE—PERLITE (MINERAL)

[illegible] I Bar [illegible] 7 30-32 Jl '63

UKRAINE—PHARMACEUTICAL SOCIETIES

[illegible] Pharmaceutical Society of the [illegible] Farmats zhur 18 [illegible]

UKRAINE—PHARMACY

[illegible] of the pharmaceutical [illegible] the Ukrainian S S R and [illegible] Tiutke [illegible] 4 11-19 '64

UKRAINE—PLAYGROUNDS—EQUIPMENT AND SUPPLIES

Equipment for children's play areas A Sviderskii, A Nechval, A Percharkov Stroi i arkhit 12 no 5: 12-11 My '64.

UKRAINE—POLITICS AND GOVERNMENT

Marchuk, V M. [Governmental organs of the Ukrainian S S R at the present stage] Organy gosudarstvennogo upravlenila USSR na sovremennom etape Kiev, Izd-vo "Naukova dumka," 1964 190 p.

Ukraine, Ministerstvo zakordonnykh sprav. [The Ukrainian S S R in the international arena, collected documents and materials, 1944-1961] Ukrains'ka RSR na mizhnarodnii areni, zbirnyk dokumentiv i materialiv, 1944-1961 rr. Kyiv, Derzh, vyd-vo polit, lit-ry URSR, 1963. 575 p.

UKRAINE—POPLAR—VARIETIES

New hybrid poplar forms developed at the Station D P Toropohrvts'kyi Nauk pratsi Nyzhn'odnipr nauk - dosl stats po zalis pisk i vyk na pisk no.9 71-76 '61

UKRAINE—POULTRY HOUSES AND EQUIPMENT—DESIGN AND CONSTRUCTION

On the "Ukrains'kyi" State Poultry Farm H Mykhav-s'kyi Sil' bud 12 no 12 6-8 D '62

UKRAINE—PUMPING STATIONS

Underground automatic pneumatic pump installation with a BIE 25 towerless pumping station K Piven' Sil' bud 13 no 7 10-11 Jl '63

UKRAINE—QUARRIES AND QUARRYING

Possibilities of using conveyor transportation in Karakub flux limestone quarries A. V. Anikeev, I. I. Bulavkin, V. I. Saranchuk. Sbor. trud. Inst. gor. dela AN URSR no. 13 123-135 '63.

UKRAINE—REINFORCED CONCRETE—CURING

Steamless heating of reinforced concrete products. L. Boiko and others. Sil'.bud. 13 no.3,15-16 Mr '63.

UKRAINE—REINFORCED CONCRETE PRODUCTS

Production of reinforced concrete and mesh reinforced concrete feeders troughs trays, and trap-doors for livestock buildings I Maiboroda Sil' bud 13 no 7 12-15 Jl '63

UKRAINE—RESTAURANTS, LUNCHROOMS, ETC.

Promoting further development of public eating establishments V Zadorzhnyi, A. Romanov Komm Ukr. 39 no 1 36-45 Ja '64

UKRAINE—REVOLUTION, 1917-1921

Simiantsiv, Valentyn. [Recollections of a member of the Bogdan Chmielnicki Regiment] Spohady Bohdanivtsia. New York, "Chervona kalyna," 1963. 123 p.
(InU)

UKRAINE—ROOFING, BITUMINOUS

Cold bituminous mastics instead of roll roofing materials M Lerner Sil' bud 12 no 12 15-17 D '62

UKRAINE—ROOFING, TILE

Tile roofs for livestock buildings V. Zakharchenko. Sil' bud 13 no 7 15-16 Jl '63

UKRAINE—RURAL CONDITIONS

Mikhailov, O. O. [Cultural development of the Ukrainian village in the years of socialist construction, 1929-1941] Kul'turnyi rozvytok ukrains'koho dela v roky sotsialistychnoho budivnytstva, (1929-1941). Kyiv, Derzhpolitvydav URSR, 1964. 156 p.

UKRAINE—RURAL CONSTRUCTION

Toward new heights in the building of communism Sil' bud 12 no 12 1-2 D '62

Winners in socialist competition Sil'.bud. 12 no 12 24 D '62

Yearly plan of construction is an inviolable law, Sil' bud 13 no 7 1-2 Jl '63

UKRAINE—RURAL SCHOOLS

Mikhailov, O. O. [Cultural development of the Ukrainian village in the years of socialist construction, 1929-1941] Kul'turnyi rozvytok ukrains'koho dela v roky sotsialistychnoho budivnytstva, (1929-1941). Kyiv, Derzhpolitvydav URSR, 1963. 156 p.

UKRAINE—SCHOOL SUPERVISION—CONGRESSES

Republic-wide seminar of the supervisors of leading schools T V Shapovalenko Rad shk 43 no 5 104-105 My '64

UKRAINE—SEED PRODUCTION

Breeding and seed production of sorgo in the southern steppe of the Ukraine. I A Dranenko. Agrobiologiia no. 3;419-425 My-Je '64.

UKRAINE—SLAG

Using granular slabs in rural construction. V. Poliakov. Sil'.bud. 13 no.3,19 Mr '63.

UKRAINE—SORGHUM

Breeding and seed production of sorgo in the southern steppe of the Ukraine. I A Dranenko. Agrobiologiia no 3;419-425 My-Je '64.

UKRAINE—SPHAGNUM

Zerov, D. K. [Flora of liverworts and sphagnum mosses] Flora pechinochnykh i sfahnovykh mokhiv Ukrainy. Kyiv, Vyd-vo "Naukova dumka," 1964. 354 p.

UKRAINE—STOCK AND STOCKBREEDING

Consolidation of rural party organizations in the Ukraine and the increased role of these organizations in the development of communal stockbreeding from 1953 to 1959. G. A. Borovikov. Uch zap. kaf. ist. KPSS no. 4 36-62 '64.

UKRAINE—STUDENT ACTIVITIES

New form of extracurricular work with children L P Torhalo Rad. shk 43 no 5 96 My '64

UKRAINE—SULFURIC ACID INDUSTRY

The most important product of the chemical industry M Bogdanov, V Tomashchuk Komm Ukr 39 no 1 26-30 Ja '64

UKRAINE—VIEWS

[Through the Soviet Ukraine; photo reports] Po rad. Ukr. no. 12 '63

UKRAINE—VIROLOGY

Development of virological research in the institutions of the Academy of Sciences of the Ukrainian S.S.R. Dop. AN URSR no. 6;824-825 '63.

UKRAINE—WATER, UNDERGROUND

Cross bedding and the minable level of stagnancy of underground water in Pliocene limestone in the southern Ukraine. V. F Petrun' Sbor nauch trud KGRI no 21 14-21 '63.

UKRAINE—WATER SUPPLY, RURAL

Underground automatic pneumatic pump installation with a BIE-25 towerless pumping station K Piven', Sil' bud 13 no. 7 10-11 Jl '63

UKRAINE—WEEDS

Biennial weeds of the Ukrainian steppe in autumn and winter. A. V. Fisiunov. Ukr. bot. zhur. 21 no. 3;71-74 '64.

UKRAINE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

[In the great offensive; reminiscences, essays and documents on the liberation of the Ukraine in 1943-1944] V bol'shom nastuplenii, vospominaniia, ocherki i dokumenty ob osvobozhdenii Ukrainy v 1943-1944 gg. Moskva, Voenizdat, 1964. 494 p. (Za nashu Sovetskuiu Rodinu)

UKRAINE, WESTERN—CHERRY

Natural reproduction of the sweet cherry Cerasus avium (L.) Moench in the forests of western regions of the Ukrainian S. S. R. V. K. M'iakushko. Ukr. bot. zhur. 21 no. 3;56-70 '64.

UKRAINE, WESTERN—ECONOMIC CONDITIONS

"Baronial estates of the right bank of the Dnieper in the Ukraine during the second half of the 18th century" by V. A. Markina. Reviewed by E. S. Kompan and others. Ist. SSSR 8 no. 1;174-178 Ja-F '64.

UKRAINE, WESTERN—POTTERY

Faience of the western areas of the Ukraine; pre-Soviet period. L. V. Dolins'kyi. Mat. z etn. ta mystetstvoznav. no. 6;45-57 '61.

UKRAINIAN LANGUAGE—DECLENSION

Accentological comments on the declension of nouns of masculine gender. V. H. Skliarenko. Pratsi Od. un. 150 Zbir. stud. rob. no. 6;63-69 '60.

UKRAINIAN LANGUAGE—SYNTAX

Kulyk, B. M. [Modern literary Ukrainian; syntax of the complex sentence] Suchasna ukrains'ka literaturna mova, syntaksys skladnoho rechennia. Posibnyk dlia studentiv-zaochnykiv pedagogichnykh instytutiv. Kyiv, Radians'ka shkola, 1963. 146 p.

UKRAINIAN LITERATURE

Koshelivets', Ivan. [Present day literature in the Ukrainian S. S. R.] Suchasna literatura v URSR [New York] Vyd-vo Prolog, 1964. 370 p.
(CtY)

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

Aesthetic and social ideas in contemporary Soviet Ukrainian literature B. P Fedenko Mat i [illegible] old Inst po izuch SSSR no 48;177-183 '63.

The last decade of Soviet Ukrainian literature I M Koshelyvets'. Mat i soob. Issl old Inst. po izuch [illegible] no 48 164-176 '63

UKRAINIAN PAINTINGS see Paintings, Ukrainian

UKRAINSKII, VLADIMIR GRIGOR'EVICH, 1893-

Vladimir Grigor'evich Ukrainskii, on his 70th birth[illegible] B. Sukhorukov, N. Kozyr'. Arkh, mat., [illegible] no. 6 124 Je '63.

ULAN-UDE—AQUATIC SPORTS

Great matters of a small club A. Makushkin V znan 40 no 6,30-30 Je '61.

UL'IANOV, IL'IA NIKOLAEVICH, 1831-1886

School dedicated to I. N. Ul'ianov. T Sergeev. [illegible] no 7·83-84 Jl '64

ULTRABASITE see subdivision under Ural Mountain region

ULTRASONIC TESTING

Gorazdovskii, T. IA. [Nondestructive testing of metals physical means of providing reliability] Nerazrushaiushchii kontrol' metallov; fizicheskie sredstva obespecheniia nadezhnosti. Moskva, Izd-vo "Znanie," 1964 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia Tekhnika, no. 12)

Ogryzkov, R. S. [Ultrasonic testing of plug welded assemblies] Ul'trazvukovoi kontrol' svarnykh soedinenii na elektrozaklepkakh. Leningrad, 1961. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektrotekhnologicheskie protsessy i ustanovki, no. 3)

Ultrasonic testing plant for electrochemical studies, A. S. Karasik, V. V. Kuznetsov. Zhur. fiz. khim. [illegible] no. 4;930-932 Ap '63.

ULTRASONIC WAVES

Skards, Ilmars. [Detection of Mycobacterium tuberculosis in cows' milk using ultrasonic waves] Obnaruzhenie tuberkuleznykh mikobakterii v korov'em moloke pri pomoshchi ul'trazvuka. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 166 p.
(DNAL)

Use of ultrasonic waves and reversing current in the electrodeposition of copper from a pyrophosphate electrolyte. V. V. Gurylov, A. I. Levin, M. II. [illegible] Zhur. prikl. khim. 37 no. 5;1053-1057 My '64

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Alignment of mechanical stress amplitudes in [illegible] ultrasonic oscillating systems. V. A. Loviagin. [illegible] nostroenie no. 1;34-35 Ja-F '64.

Demulsifying oils using ultrasonics. [illegible] and others. Neft. khoz. 41 no. 7;51-56 Jl '63.

Effect of the mechanical properties of materials on the productivity and specific energy in ultrasonic treatment. N V. Kurochkin. Dokl AN SSSR 157 no. 3;57[illegible] Jl '64.

Use of ultrasonics for the preparation of infusions and extracts from alkaloid-containing plant stock [with summary in English]. G. A. Vaisman, M. I. Gurevich, [illegible] Skvirskaia. Apt. delo 11 no. 6;17-21 N-D '62.

Using ultrasonic waves in the preparation of infusions from alkaloid- and glucoside-bearing plants G A Vaisman and others Farmatsev. zhur. 18 no. 4 [illegible] '63.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves on the structure and antibacterial activity of gramicidin-C. I E. El'piner, I. V [illegible] skaia. Dokl. AN SSSR 157 no 3·720-732 Jl '64

Mechanism of the hemolytic effect of ultrasonic waves I. E. El'piner, IU. A. Kriger, S. Z. Dobrina. Biofizika 8 no. 6;677-680 '63.

Metachromatic reaction of nucleic acids (DNA and RNA), native and irradiated with ultrasonic waves F I. Braginskaia, I. E. El'piner, Biofizika 9 no. 1:40-47 '64

ULTRASONIC WELDING—EQUIPMENT AND SUPPLIES

The UZSA-5 ultrasonic welding unit. Mashinostroitel' no. 4:40 Ap '64.

The UŽUP-2 ultrasonic device. Mashinostroitel' no. 4 41 Ap '64.

ULTRASONICS

Possibility of the perception of ultrahigh-frequency sounds by the human ear. B.M Sagalovich, K P Pokryvalova Biofizika 9 no 1 138-141 '64

ULTRAVIOLET RAYS

Cleavage of organosiloxanes with thionyl chloride during ultraviolet irradiation E V.Kukharskaia, IU I Skorik Zhur.ob.khim. 34 no 6,2092-2093 Je '64

ULTRAVIOLET RAYS—INDUSTRIAL APPLICATIONS

Zaitseva, L.P., and T.G. Porokhova. [Nonferrous metallography in visible and ultraviolet rays] TSvetnaia metallografiia v vidimykh i ul'trafioletovykh luchakh. Moskva, Izd-vo Metallurgiia, 1964. 142 p. illus.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Apparatus for ultraviolet irradiation of virus suspensions E.K.Bakhtin, A A Stetkevich Trudy TomNIIVS 14: 289-292 '63

Comparative study of the polarographic wave of a protein irradiated by ultraviolet light I D Ivanov, E E Rakhleeva. Dokl AN SSSR 157 no 3 703-706 Jl '64

Effect of ultraviolet radiation on the content of nucleic acids in Paramecium caudatum. K.A.Samoilova, L.P. Ovchinnikova. Sbor.rab.Inst.tsit. no.3:145-153 '63.

Ultraviolet luminescence of muscles and muscle proteins. I.G.Shtrankfel'd. Biofizika 8 no.6.690-695 '63.

ULTRAVIOLET RAYS—SCIENTIFIC APPLICATIONS

Method of ultraviolet and luminescent characterization of the myocardium. A.N.Banaru. Trudy Inst.klin i eksper.kard.AN Gruz.SSR 8:423-426 '63.

ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

ULUTAU—GEOLOGY

Pavlova, T.G. [Relationship between folding and granitoid igneous activity in the southern Ulutau] Sootnoshenie mezhdu skladkoobrazovaniem i granitoidnym magmatizmom v IUzhnom Ulutau. Moskva, Izd-vo "Nauka," 1964 183 p. (Akademiia nauk SSSR. Geologicheskii Institut. Trudy, no.101)

UMAN—ARBORETUMS

In the Kamenka Valley, the dendrological park "Sofievka " M L Reva Priroda 53 no 7 73-75 '64

UNDECADIENONE

Synthetic investigations in the field of polyene compounds. Part 21. Synthesis of geranylacetone using the Wittig reaction E A Obol'nikova, M TS IAnotovskii, G I Samokhvalov Zhur ob khim 34 no 5 1499-1502 My '64

UNDERDEVELOPED AREAS—COMMUNISM

Dzhunusov, M.S. [Leninist theory of the transition of underdeveloped nations to socialism] Leninskaia teoriia perekhoda ranee otstalykh narodov k sotsializmu. Moskva, [Izd-vo vostochnoi lit-ry] 1962 42 p. (Materialy k Vsesoiuznoi nauchnoi sessii zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma)

[MICROFILM]

UNDERDEVELOPED AREAS—POLITICS

Socialism, capitalism and the underdeveloped countries Mir ekon.i mezhdunar otn. no.6 62-81 '64

Socialist doctrines of developing countries, their forms and social nature IU.Ostrovitianov Mir.ekon i mezhdunar.otn no 6 82-91 '64

UNDERGROUND STRUCTURES

Protecting pipelines from trolley-car track stray currents V.M Levin, I S Oganezova, M V.Tarnizhevskii Zashch trub ot kor no.5:38-55 '62.

UNDERGROUND WATER see Water, Underground

UNDERWATER CONCRETE CONSTRUCTION

Construction of a watertight barrier in a shaft by the underwater concreting method. V.L Alekseev, B.D. Polovov, A.S.Shchukin. Shakht.stroi. 8 no 5:25-28 My '64.

Results in filling a caisson shell with concrete. N.F. Timofeev. Transp.stroi. 13 no.12:13-15 D '63.

Some special features in conducting underwater construction operations. V M Isai, A A Pogorelov Trudy Otd energ.Dag.fil AN SSSR 1 no 1:50-64 '62.

UNDERWATER CONCRETE CONSTRUCTION—QUALITY CONTROL

Underwater television controls the quality of hydraulic construction. V.V.Sokolov. Transp.stroi. 13 no.12: 26-28 D '63.

UNDERWATER EXPLOSIONS

Reflection of a spherical shock wave in water from a free surface. B.I.Zaslavskii. PMTF no.6:50-58 N-D '63.

UNDERWATER PIPELINES

[Underwater trenching using explosives] Opyt razrabotki podvodnykh transhei vzryvnym metodom. Moskva, VNIIST Glavgaza SSSR, 1962. 24 p. (Opyt stroitel'stva magistral'nykh truboprovodov)

[MICROFILM]

UNGALATA, FOSSIL see subdivision under Georgia

UNGUZ REGION—GEOLOGY, STRATIGRAPHIC

Pliocene river in the eastern trans-Unguz region. A.I Zhivotovskaia Trudy VSEGEI 109.44-54 '63

UNION CATALOGS see Catalogs, Union

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED NATIONS

International sanctions against colonizers and racialists. V Brykin. Mir ekon i mezhdunar otn. no 7 16-24 '64

Moscow. Institut mezhdunarodnykh otnoshenii. [Problems of International law] Voprosy mezhdunarodnogo prava. Moskva, IMO, 1963. 297 p.
(CStmoR)

United Nations, Soviet Union, and the falsifiers of history. V.G.Poliakov. Ist.SSSR 8 no.1:182-194 Ja-F '64.

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

At the Geneva forum. Vnesh.torg 44 no 5:7-10 '64

The Geneva charter. L.Sedin. Nov.vrem. 21 no.25: 4-7 Je '64.

United Nations Conference on Trade and Development. [Declarations of delegation heads of developing countries in the general discussion] Zaiavleniia glav delegatsii razvivaiushchikhsia stran v obshchei diskussii. Moskva.
Nos. 1-3. 1964. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, nos.6-8)

United Nations Conference on Trade and Development. [Declarations of the representatives of international organizations in the general discussion] Zaiavleniia predstavitelei mezhdunarodnykh organizatsii v obshchei diskussii. Moskva, 1964. 46 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no.5)

UNITED STATES—AGRICULTURAL POLICY

Dumping, a standard American trade policy P Shtil'man, V.Kur'erov Mir ekon.i mezhdunar otn no 6 111-113 '64

UNITED STATES—ARMORED VEHICLES

Squad on two armored carriers. N.Sazhin. Starsh.-serzh. no 6:37 Je '64

UNITED STATES—ATOMIC SUBMARINES

"City killers," a prolonged program. Tekh.i vooruzh no.6:86-88 Je '64.

UNITED STATES—ATOMIC WARFARE AND SOCIETY

Routov, G.N. [Peace without arms or thermonuclear war? Against the cannibalistic theories of the "madmen" from across the Ocean] Mir bez oruzhiia ili termoiadernaia voina? (Protiv kannibal'skikh teorii zaokeanskikh 'beshenykh") Leningrad, Ob-vo "Znanie," RSFSR, 1964. 50 p.

UNITED STATES—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

New trends in the construction of plants for the synthesis of ammonium in the United States Khim.prom. [Ukr] no 1:94-95 Ja-Mr '63

UNITED STATES—COMMERCE

The United States, the rates of development, employment and markets A.Mileikovskii Mir ekon i mezhdunar otn no 6.40-52 '64

UNITED STATES—CONGRESS—RULES AND PRACTICE

Senator Filibuster doesn't despair. V.Golant. Nov. vrem. 21 no.28:22 Jl '64.

UNITED STATES—DUMPING (COMMERCIAL POLICY)

Dumping, a standard American trade policy. P Shtil'man, V.Kur'erov. Mir ekon i mezhdunar.otn no 6.111-113 '64.

UNITED STATES—ECONOMIC CONDITIONS

The United States; the rates of development, employment and markets. A.Mileikovskii. Mir.ekon i mezhdunar. otn. no.6.40-52 '64

UNITED STATES—EDUCATION, SECONDARY

Search for ways to reorganize secondary education in the United States. M.Bernshtein. Nar.obr. no 7.90-94 Jl '64.

UNITED STATES—ELECTRIC POWER—FINANCE

The electric power of the U.S.A.; investment trends. R.Kuropiatnik. Mir.ekon.i mezhdunar otn. no.6.124-130 '64

UNITED STATES—ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION

Foreign experience in the automatic processing of information in remote-control enterprises of the petroleum industry. M.IA.Ginzburg. Neft.khoz. 42 no.3:66-70 Mr '64.

UNITED STATES—FASCISM

Under the shadow of the swastika. V.Levin. Sov.voin 44 no.24:41 D '62.

UNITED STATES—FERTILIZERS AND MANURES

Using mineral fertilizers in the U S.A. agriculture. V.Nazarenko. Ekon.sel'khoz. 34 no.12:31-34 D '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—AFRICA

Neocolonialism in a liberal guise V.Fetov Mir ekon i mezhdunar otn no 6 150-153 '64

UNITED STATES—FOREIGN ECONOMIC RELATIONS—ASIA, SOUTHEASTERN

Economic policy of the U.S A. in southeastern Asia. L Klochkovskii Vnesh torg. 44 no 5:25-29 '64.

UNITED STATES—FOREIGN RELATIONS—JAPAN

Akademiia nauk SSSR. Institut narodov Azii. [U.S.A. policy in the countries of the Far East; Japan, South Korea] Politika SShA v stranakh Dal'nego Vostoka IAponiia, IUzhnaia Koreia. Moskva, Izd-vo "Nauka," 1964. 324 p.

UNITED STATES—FOREIGN RELATIONS—KOREA, SOUTH

Akademiia nauk SSSR. Institut narodov Azii. [U.S.A. policy in the countries of the Far East; Japan, South Korea] Politika SShA v stranakh Dal'nego Vostoka: IAponiia, IUzhnaia Koreia Moskva, Izd-vo "Nauka," 1964. 324 p.

UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA

United States policy in Latin America after J.F. Kennedy's death. S.Gomonskii. Nov.vrem. 21 no.25:8-11 Je '64

UNITED STATES—FOREIGN RELATIONS—RUSSIA

Aptheker, Herbert. [U.S.foreign policy and the cold war. Translated from the English] Vneshniaia politika SShA i "kholodnaia voina." Moskva, Inogiz, 1963. 422 p.
(CStmoR)

How American senators interrogated the envoy of the Soviet Government; history of the first Soviet mission to the U.S.A., 1919-1921. G.E.Reikhberg, B.S.Shapik. Ist. SSSR 7 no.2:81-89 Mr-Ap '63.

UNITED STATES—GAS WELL CEMENTING

Concerning the book "Reinforcing oil and gas wells in the United States by A A.Gaivoronskii. A.I.Bulatov. Neft.khoz. 41 no.1.72 Ja '63

UNITED STATES—MINERALOGY—CONGRESSES

37th annual meeting of the American Society of Economic Paleontologists and Mineralogists. A.A.Shevyrev Paleont.zhur. no.1:144-145 '64.

UNITED STATES—NEGROES—LEGAL STATUS, LAWS, ETC.

Indoor America (to be continued). N.Sergeeva. Nov. vrem. 21 no.26:12-14 Je '64.

Senator Filibuster doesn't despair. V.Golant. Nov. vrem. 21 no.28:22 Jl '64.

UNITED STATES—OIL WELL CEMENTING

Concerning the book "Reinforcing oil and gas wells in the United States by A.A.Gaivoronskii. A.I.Bulatov Neft.khoz. 41 no.1:72 Ja '63

UNITED STATES—PALEONTOLOGY—CONGRESSES

37th annual meeting of the American Society of Economic Paleontologists and Mineralogists. A.A.Shevyrev. Paleont.zhur. no.1:144-145 '64.

UNITED STATES—PETROLEUM GEOLOGY

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Basis for predicting the oil and gas occurrences of North America on the basis of the correlation of regional geologic data; digest of foreign literature] Obosnovanie prognozov neftegazonosnosti Severnoi Ameriki po materialam regional'nogo geologicheskogo obobshcheniia; obzor zarubezhnoi literatury. Moskva, 1963. 31 p. (Seriia: Neftegazovaia geologiia i geofizika)

[MICROFILM]

UNITED STATES—PHOSGENE

Chemicals and fertilizers in the United States. Khim. prom [Ukr.] no.1.95 Ja-Mr '63.

UNITED STATES—POLITICS AND GOVERNMENT

Dwight Eisenhower's memoirs. Mir.ekon.i mezhdunar. otn. no.7:122-133 '64.

The Johnson Administration and political problems of the United States S Men'shchikov. Mir.ekon i mezhdunar. otn. no.6 26-39 '64.

Philosophy of "American liberalism." S.Bogatov. Mir. ekon.i mezhdunar.otn no.7:148-152 '64.

UNITED STATES—PUBLIC OPINION

Indoor America. N.Sergeeva. Nov.vrem. 21 no.28: 13-15 Jl '64.

UNITED STATES—REVOLUTION

[illegible] of 17[illegible]" [in [illegible] 1[illegible] 23 -2[illegible] Ja-F '64.

UNITED STATES—RHEUMATIC FEVER—RESEARCH

[illegible] A I Strukov Arkh pat 25 [illegible] '63

UNITED STATES—TAXATION

[illegible]

UNITS

[illegible], A I [Unified international system of units, verbatim record of a lecture] O edinoi mezhdunarodnoi sisteme edinits, stenogramma lektsii Leningrad, 1963. 31 p (Leningradskii dom nauchno-tekhnicheskoi propagandy Seriia Kontrol' kachestva produktsii)

Te[illegible]ing cal progress and the new International Unit System IA H Stepan[illegible] Khim prom.[Ukr] no 1 83-[illegible] Ja Mr '63

UNIVERSITIES AND COLLEGES see subdivision under Lithuania

UNSATURATED COMPOUNDS

Copolymerization of unsaturated compounds of the liquid products of pyrolysis with acrylonitrile IU G Mamedaliev and others Dokl AN Azerb SSR 20 no 3 23-26 '64

[illegible] the carbonium polymerization of unsaturated [illegible] esters. T.I Lipatova, V.A.Budnikova, [illegible] Dokl. AN SSSR 156 no.2 379-382 My '64.

Phosphorus-containing heterocycles. Part 3: Condensation of β-glycolophosphoryl chloride with diene hydrocarbons N A Razumova, A A Petrov. Zhur.ob khim. 34 no 6,1886-1891 Je '64

Reactions of unsaturated compounds with halides of the allyl type Part I. Telomerization of piperylene and isoprene hydrobromides with diene hydrocarbons L A Cherkasova, Kh.V Bal'ian, L M Zubritskii Zhur ob khim 34 no 6,1917-1925 Je '64

Syntheses in the pyridine series Part 5 Nucleophilic addition of [illegible] to α β-unsaturated compounds [illegible] A V Voropaeva Zhur ob khim 34 no 5 1547-154[illegible] My '64

Syntheses in the pyridine series Part 6 Addition of [illegible] to α β-unsaturated compounds A V. Voropaeva Kh Sh Chirikaev Zhur ob khim, 34 no 5 1549 1550 My '64

Synthesis and investigation of organosilicon compounds with a bridge between silicon atoms. Part 4: Synthesis of dichlorotetraalkyl ethanes, acetylenic alcohols and derivatives based on them V.P Kuznetsova and others. Zhur.ob khim. 34 no.6:1864-1867 Je '64.

Synthesis of unsaturated organotin compounds. M.M. Koton, L F.Dokukina. Zhur.ob.khim. 34 no.6: 1757-1758 Je '64

Unsaturated tin hydrocarbons Part 5: Addition of diazomethane to 1,3-enyne tin hydrocarbons. V.S. Zavgorodnii, A.A.Petrov. Zhur.ob.khim. 34 no.6: 1931-1936 Je '64.

URA-TYUBE DISTRICT—HISTORY

Mukhtarov, Akhror. [Essay on the history of the Ura-Tyube dominion in the 19th century] Ocherk istorii Ura-Tiubinskogo vladeniia v XIX v. Pod red. B.I. Iskandarova. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 183 p.

URACIL

Changes in the genetic structure of cells under the influence of 5-bromouracil A. G. Skavronskaia. Vest. AMN SSSR 18 no.12 51-62 '63

URACIL—PHYSIOLOGICAL EFFECT

Effect of carbon tetrachloride on the formation and development of changes in the thyroid gland in rats following the administration of methylthiouracil. N. P. Napalkov. Vop. onk 8 no.10:49-56 '62.

Influence of the increase of central nervous system tonus on the "goitrogenic" effect of methylthiouracil V. D. Bubnov Uch zap. Tadzh un 17 Trudy Fak est nauk no 3 53-61 '59

Shifts in the absorptive capacity and isoelectric point of thyroid cells during the action of 6-methylthiouracil. B.V.Aleshin, IU.B.Krivobok. Biul.eksp.biol.i med. 56 no.8:101-105 Ag '63.

URAL MOUNTAIN REGION—APPLE

Use of apple trees for the revegetation of inhabited areas in the Cis-Urals. G.I.Sadovnikova. Okhr.prir.na Urale no.2:99-105 '61.

URAL MOUNTAIN REGION—CHALCOPYRITE

Geophysical work in pyritic copper deposits in the Uchaly ore region. B.A.Igoshin. Mat.po geol.i pol.iskop. IUzh.Urala no.3:63-72 '62.

URAL MOUNTAIN REGION—CHERRY

[illegible]'s make better use and take better care of the [illegible]und cherry and hazel thickets in the Cis-Urals. [illegible] Kovlazin. Okhr.prir.na Urale no.2:89-98 '61.

URAL MOUNTAIN REGION—CONSERVATION OF NATURAL RESOURCES

Second conference on the conservation of natural resources of the Urals. B P.Kolesnikov, A.K Sharts. Okhr.prir.na Urale no.2 167-170 '61.

URAL MOUNTAIN REGION—CORALS, FOSSIL

New Visean corals of the eastern slope of the Southern Ural Mountains E I Kachanov Paleont zhur. no 1: 26-30 '64

URAL MOUNTAIN REGION—ECONOMIC GEOGRAPHY

Vseural'skoe soveshchanie po voprosam geografii i okhrany prirody, 6th, Ufa, 1961. [The All-Ural Conference on the Problems of Geography and Preservation of Nature, Ufa, 1961. Materials of the Section and Economic and Geographic Regionalization] Materialy. Sektsiia ekonomiko-geograficheskogo raionirovaniia. Ufa, Bashkirskii filial Geograficheskogo ob-va SSSR, 1962. 80 p.

(MICROFILM)

URAL MOUNTAIN REGION—ELECTRIC PROSPECTING

Certain results of work involving the method of dipole low-frequency inductive profiling. V.I.Piatnitskii. Geofiz razv. no.15:115-128 '64.

URAL MOUNTAIN REGION—GEOLOGY

Geology of the Uchaly pyrite deposit (Southern Urals). I.V.Lennykh. Mat.po geol.i pol.iskop.IUzh.Urala no.3:37-54 '62.

Stratigraphy and tectonic characteristics of the formation of Pre-Cambrian and Lower Paleozoic layers on the eastern slope of the Ural Mountains. N.F.Mamaev, A.A.Pronin, I.V.Chermeninova. Trudy Inst geol. UFAN SSSR no.65:3-17 '63.

URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Materials on the tectonic regionalization of the Uchaly region, based on geophysical data. A.A.Nikolaevskii, M.N.Tiurin. Mat.po geol.i pol.iskop IUzh.Urala no 3:55-62 '62.

URAL MOUNTAIN REGION—GROUSE

Abundance of tetraonid birds in the Urals and the trans-Ural region N. N Bakeev, V. I. Osmolovskaia. Biul. MOIP. Otd.biol. 69 no.3:49-63 My-Je '64

URAL MOUNTAIN REGION—HAZEL

Let's make better use and take better care of the ground cherry and hazel thickets in the Cis-Urals. N.IA.Kovlazin. Okhr prir.na Urale no.2:89-98 '61.

URAL MOUNTAIN REGION—LAKES

Lakes of the Ural Mountains that need to be preserved and declared natural monuments. Z. M. Balabanova, S.S Zharikov, V.I. Troitskaia. Okhr.prir.na Urale no.2: 131-134 '61.

URAL MOUNTAIN REGION—LANDSCAPE GARDENING

Use of apple trees for the revegetation of inhabited areas in the Cis-Urals. G. I. Sadovnikova. Okhr.prir.na Urale no.2:99-105 '61.

URAL MOUNTAIN REGION—NATURAL MONUMENTS

Main problems of earth crust conservation and sites in the Urals. G. A. Maksimovich. Okhr.prir.na Urale no.2:135-143 '61.

Materials for an inventory of natural monuments that need conservation in the Urals. B. P. Kolesnikov. Okhr. prir.na Urale no.2:123-129 '61.

URAL MOUNTAIN REGION—ORE DEPOSITS

Geology of Bayguskarovo ultrabasic massif in connection with its ore potential. E.S.Buchkovskii. Mat.po geol. i pol.iskop.IUzh.Urala no.3:148-158 '62.

URAL MOUNTAIN REGION—PINE

Variability of some vegetative organs and fruiting of the Siberian pine in the Central Urals N A Luganskii Trudy Inst biol UFAN SSSR no.31:43-57 '63

URAL MOUNTAIN REGION—PYRITES

Geology of the Uchaly pyrite deposit (Southern Urals). I.V.Lennykh. Mat.po.geol.i pol.iskop.IUzh.Urala no.3:37-54 '62.

URAL MOUNTAIN REGION—SOILS

Akademiia nauk SSSR. Pochvennyi institut im. V. V. Dokuchaeva. [Agrochemical characteristics of the soils in the U.S.S.R.; regions of the Urals] Agrokhimicheskaia kharakteristika pochv SSSR; raiony Urala. Moskva, Izd-vo "Nauka," 1964. 327 p.

URAL MOUNTAIN REGION—TETRACORALLA

Find of Diplochone (Rugosa) in the Silurian of the subarctic Ural Mountain region. S.I.Strel'nikov Paleont. zhur. no.1:132-134 '64.

URAL MOUNTAIN REGION—ULTRABASITE

Geology of Bayguskarovo ultrabasic massif in connection with its ore potential. E.S.Buchkovskii. Mat.po geol. i pol.iskop.IUzh.Urala no.3:148-158 '62.

URAL MOUNTAINS—COPPER ORES

Yelenovskoye copper-molybdenum deposit. M.F. Novikov, V.I.Skripil'. Mat.po geol.i pol.iskop.IUzh. Urala no.3:178-179 '62.

URAL MOUNTAINS—FORAMINIFERA, FOSSIL

Carboniferous foraminifers of the Berezovo series in the eastern slope of the Southern Ural Mountains. T.V. Pronina. Trudy Inst.geol. UFAN SSSR no.65:119-174 '63.

Foraminifers from the sedimentary and volcanic sedimentary rocks of the greenstone formation in the Ural Mountains. N.P.Malakhova. Trudy Inst.geol.UFAN SSSR no.65:91-117 '63.

URAL MOUNTAINS—FORESTS AND FORESTRY

Formation of mixed plantations including larch in the mountain part of the Central Urals. V.I.Tikhonov. Izv.vys.ucheb.zav., les.zhur. 6 no.6:33-36 '63.

URAL MOUNTAINS—GEOLOGY

Geological position and age of pyrite deposits in the Southern Urals. I.V.Lennykh, P.V.Lazarev. Mat.po geol.i pol.iskop.IUzh.Urala no.3:7-27 '62.

URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Papulov, G.N., and Z.I.Sitnikova. [Mesozoic and Paleogene sediments in the region of the Turinsk key well in the Central Ural Mountains] Mezozoiskie i paleogenovye otlozheniia raiona Turinskoi opornoi skvazhiny v Srednem Zaural'e. Sverdlovsk, 1964. 97 p (Akademiia nauk SSSR. Ural'skii filial. Institut geologii. Trudy, no.66)

New data on the Paleozoic stratigraphy of the Magnitogorsk subsidence. N.P.Malakhova. Trudy Inst.geol. UFAN SSSR no.65:53-76 '63.

Stratigraphy of the upper part of the Asha series of the Central Ural Mountains based on lithological study data. M.L.Kliuzhina. Trudy Inst.geol.UFAN SSSR no.65: 31-51 '63.

URAL MOUNTAINS—GEOLOGY, STRUCTURAL

Disjunctive tectonics of the Sibayskoye pyrite deposit I.V.Voronin, G.K.Dolmatov. Mat.po geol.i pol.iskop. IUzh.Urala no.3:95-99 '62.

URAL MOUNTAINS—LARCH

Formation of mixed plantations including larch in the mountain part of the Central Urals. V.I.Tikhonov. Izv.vys.ucheb.zav., les.zhur. 6 no.6:33-36 '63.

URAL MOUNTAINS—MINE DRAINAGE

Elimination of accidents at the No. 10 Northern Urals bauxite mine. V.V.Deviatkin. Shakht.stroi. 7 no.3: 28-29 Mr '63.

URAL MOUNTAINS—MINING MACHINERY—TESTING

Testing the BPM-1 boring and loading machine at the Sarany chromite mine. V. A. Maksimov and others Shakht.stroi. 8 no.5:17-21 My '64.

URAL MOUNTAINS—MOLYBDENUM ORES

Yelenovskoye copper-molybdenum deposit. M.F. Novikov, V.I.Skripil'. Mat.po geol.i pol.iskop.IUzh. Urala no.3:178-179 '62.

URAL MOUNTAINS—PETROLOGY

Time of the greenstone alteration and the origin of [illegible] and the essentially potassium igneous series in the geosyncline formations of the Ural Mountains S N. Ivanov, V M. Necheukhin. Dokl. AN SSSR 157 no.3 593-596 Jl '64.

URAL MOUNTAINS—PYRITES

Disjunctive tectonics of the Sibayskoye pyrite deposit. I.V.Voronin, G.K.Dolmatov. Mat.po geol.i pol.iskop. IUzh.Urala no.3:95-99 '62.

Geological position and age of pyrite deposits in the Southern Urals. I.V.Lennykh, P.V.Lazarev. Mat.po geol.i pol.iskop.IUzh.Urala no.3:7-27 '62.

Organization of geochemical prospecting for pyrite deposits in the Southern Urals. I.I.Ginzburg. Mat.po geol.i pol.iskop.IUzh.Urala no.3:28-36 '62.

URAL MOUNTAINS—STROMATOPOROIDEA

Paleoecology of Stromatoporoidea. B.I.Chuvashov. Trudy Inst.geol.UFAN SSSR no.65:77-90 '63.

URAL MOUNTAINS—SULFIDES

Primary zoning of the Novosibayskoye sulfide deposit. M.S.Shnaider. Mat.po geol.i pol.iskop.IUzh.Urala no.3:100-106 '62.

URAL MOUNTAINS—WATER, UNDERGROUND

Budanov, N.D. [Hydrogeology of the Urals] Gidrogeologiia Urala. Moskva, Izd-vo "Nauka," 1964. 302 p.

URANINITE

Epitaxial transformation of $U_3O_8 \rightarrow \gamma UO_{2+x}$ in uraninites. IU. M. Dymkov. Dokl. AN SSSR 157 no.3 583-585 Jl '64

URANIUM

Sorption of uranium by anion exchangers from sulfuric acid solutions. I. A. Kuzin, V. P. Taushkanov. Zhur. prikl. khim. 37 no.5:1005-1009 My '64.

[illegible]

[illegible] p.

URANIUM COMPOUNDS (Continued)

Complex formation of U (IV) with halide, sulfate, and perchlorate anions studied by the proton resonance method. V. M. Vdovenko, G. A Romanov, V. A. Shcherbakov. Radiokhimiia 5 no. 6:664-668 '63.

Heat of solution of uranyl nitrate and some of its complex compounds V. M Vdovenko and others. Radiokhimiia 5 no. 6:739-741 '63

URANIUM FLUORIDES, EFFECT OF RADIATION ON

Radiochemical effect of fast electrons on uranium fluorides. A. I. Migachev, A. P. Senchenkov. Atom. energ. 16 no. 6:510-514 Je '64.

URANIUM INDUSTRY

Uranium industries of capitalist countries in 1963. V. D. Andreev. Atom. energ. 17 no. 1:75-78 Jl '64.

URANIUM ISOTOPES

Analysis of the observable distributions of resonance widths in U^{233} and Pu^{239}. L. N. Usachev, V. A. Pavlinchuk, N. S. Rabotnov. Atom. energ. 17 no. 1: 22-27 Jl '64.

Angular distribution of fragments in U^{235} and Pu^{239} fission by 0.08 to 1.25 Mev. neutrons. V. G. Nesterov and others. Atom. energ. 16 no. 6:519-521 Je '64.

Studying Pu^{239} accumulation from U^{239} γ-radiation. L. N. IUrova, A. V. Bushuev. Atom. energ. 16 no. 6: 527 Je '64.

URANIUM ORES

Bondarev, V. M., and others. [Gamma-sampling of uranium ores in their natural occurrence] Gamma-oprobovanie uranovykh rud v estestvennom zaleganii. Pod red. A. I. Nikonova. Moskva, Izd-vo "Nedra," 1964. 204 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Album of diagrams used for quantitative determinations in gamma logging] Al'bom grafikov, ispol'zuemykh dlia kolichestvennykh opredelenii pri gamma-karotazhe. [Leningrad] Izd-vo "Nedra" [1963] 10 p.

URANIUM OXIDES

Optimal region of pH in the sulfuric acid dissolution of uranium dioxide in the presence of various oxidizers and Fe (II) ions. E. A. Kanevskii, A. P. Filippov, M. I. Vel'matkin. Radiokhimiia 5 no. 6:741-744 '63.

Reduction of uranium δ-dioxide with solid carbon. V. G. Vlasov, E. V. Tkachenko. Zhur. prikl khim. 37 no. 5: 946-951 My '64.

URANIUM OXIDES—ELECTRIC PROPERTIES

Electric conductivity of higher uranium oxides in a hydrogen stream. V. N. Strekalovskii, A. D. Neuimin, A. F. Bessonov. Zhur. fiz. khim. 36 no. 6:1355-1358 Je '62.

URANYL NITRATE

Extraction of uranyl nitrate by undiluted tributylphosphate in laboratory columns. A. V. Nikolaev, S. A. Durasova, B. V. Levin. Izv. Sib. otd. AN SSSR no. 6:102-105 '62.

Extraction of uranyl nitrate with trioctylamine from neutral solutions. V. M. Vdovenko and others. Radiokhimiia 5 no. 6:737-739 '63.

Heat of solution of uranyl nitrate and some of its complex compounds V. M. Vdovenko and others. Radiokhimiia 5 no. 6:739-741 '63.

Infrared spectra and structure of complex compounds of uranyl nitrate with cesium and pyridinium nitrates. A. A. Lipovskii, M. G. Kuzina. Radiokhimiia 5 no. 6: 668-674 '63.

Studying the hydrolysis of uranyl in nitrate solutions. N. N. Nikolaeva, V. I. Paramonova, V. B. Kolychev. Izv. Sib. otd. AN SSSR no. 3:70-79 '62.

UREA

Isomer of cyanourea. IU. I. Mushkin, A. I. Finkel'shtein. Zhur. ob. khim 34 no. 5·1691-1693 My '64.

Melting diagram of the ternary system urea - β-naphthol - cinnamic acid A. G. Palobekov, I. I. Il'iasov, A. G. Bergman. Zhur. ob. khim. 34 no 5 1375-1379 My '64.

Methodology of determining glycoproteins for clinical and diagnosis purposes. IU. A. IUrkov, E. G. Larskii. Lab. delo no. 6:330-333 '64.

Physicochemical investigation of the ternary system carbamide - acetamide - acetic acid. I. M. Bokhovkin, IU. I. Bokhovkina, E O. Vitman Zhur. ob khim. 34 no. 5:1363-1365 My '64.

Physicochemical investigation of the ternary system carbamide - acetamide - monochloroacetic acid. I. M. Bokhovkin, IU. I Bokhovkina, L S. Uemlianina. Zhur. ob. khim. 34 no. 5:1366-1369 My '64.

Production of urea based on carbon monoxide. A. Iovi and others. Khim. prom. no. 4:244-248 Ap '64.

Separating cyclohexane from the gasoline of the Novo-Dmitriyevka oil of Krasnodar Territory using a thiourea water-alcohol solution. G. G. Ashumov and others. Azerb. neft. khoz. 43 no. 1:34-35 Ja '64.

Solubility in the system urea - phosphoric acid - water. I. M. Kaganskii and others. Zhur. prikl. khim. 37 no. 5:1111-1116 My '64.

Synthesis and transformations in the diaryl urea series. Part 15 Nitration of symmetrical diphenylurea in the presence of catalysts. A. V. Topchiev, D. F. Kutepov. Zhur. ob. khim. 34 no. 5:1640-1642 My '64.

Synthesis of cyanuric acid from urea. N. I. Malkina, S. N. Kazarnovskii. Zhur prikl. khim. 37 no. 5:1156-1160 My '64.

Urea synthesis by brain sections. Z. S. Gershenovich, A A. Krichevskaia, V. S. Shugalei. Dokl. AN SSSR 157 no. 2.461-466 Jl '64

UREA AS FEED

Ensiling corn with the addition of urea I S Kazurov, M S Aref'eva Sbor nauch rab. Sib nauch -issl inst sel' khoz no 6 92-95 '61

Use of urea in fattening young cattle K Z Keitel'man Trudy Bel nauch -issl inst zhiv. 3 265-272 '62

UREA CONDENSATION PRODUCTS

Resins based on urea and furfural N. K Moshchins'ka, S A Potievs'ka Khim prom [Ukr] no 1 28-30 Ja-Mr '63

Urea-formaldehyde condensates as a new type of fertilizers S. A Hordienko Khim. prom [Ukr] no. 1 13-16 Ja-Mr '63.

URETHANE FOAM—THERAPEUTIC USE

Use of capron and porolon for the reinforcement of hemostatic sutures in the liver, experimental morphologic study. E. N Meshalkin, A. F Oberfel'd, L. L. Kapuller. Khirurgiia 40 no. 2:81-86 F '64.

URETHANES

Elastomeric polyurethan foam, its properties and use in the clothing industry. I. V. Orlov, A. M. Herasymova. Leh. prom. no. 2:7-10 Ap-Je '64.

Fire hazards in the manufacture of polyurethan foams (plastic foams) Z E Shimanova Sbor. rab. pozh - ispyt. sta no. 3 5-12 '63

Use of polyurethan porous plastics in the manufacture of backed textile fabrics. T. S. Dekalenkova, Z. V. Sventsits'ka. Leh. prom. no. 2:10-12 Ap-Je '64.

URETHRA—RADIOGRAPHY

Urethral-venous reflux. I. I. Shakov, IU. I. Ginzburg. Vest. rent. i rad. 38 no. 3 49-51 My-Je '63.

URETHRA—STRICTURE

Urethral-venous reflux. I. I. Shakov, IU. I. Ginzburg. Vest. rent. i rad. 38 no. 3:49-51 My-Je '63.

URINARY ORGANS—ABNORMITIES AND DEFORMITIES

Case of cogenital anomaly of the urinary tract. L. B. Zhmud'. Vest. rent. i rad. 38 no. 3:60 My-Je '63.

URINARY ORGANS—RADIOGRAPHY

Urokymography in calculi of the ureters and kidney pelvis. S. I. Finkel'shtein. Vest. rent. i rad. 38 no. 3: 46-49 My-Je '63.

URINE

Excretion of deoxycytidine with urine in irradiated rats. M. M. Skurikhina, O. IA. Tereshchenko. Radiobiologiia 3 no. 6,829-832 '63.

URINE—ANALYSIS AND PATHOLOGY

Micromethod for determining inorganic phosphorus and alkaline phosphatase in blood serum and inorganic phosphorus in the urine. M. M. Alimova. Lab. delo no. 6·346-348 '64.

Physicochemical characteristics of urine in cattle with alimentary osteodystrophy. N. N. Konovalov Zap Vor sel'khoz inst. 17 no. 2:201-202 '62

Quantity of 17-ketosteroids in the amount of urine secreted in a 24-hour period and the Thorn eosinopenic test in coronary disease. M. Z. Maisuradze. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:97-100 '63.

URODELA

Development of cartilaginous neurocranium and its connection with the palatoquadrate in Hynobius keyserlingii. E. D Regel'. Trudy Zool. inst 33.34-74 '64.

Development of dermal bones of the basement of the skull in tailed amphibians of the family Hynobiidae. N. S. Lebedkina Trudy Zool. inst 33:75-172 '64

Position of tailed amphibians among the lower terrestrial vertebrates. I. I. Shmal'gauzen. Trudy Zool. inst. 33:5-33 '64.

US, VASILII RODIONOVICH, d. 1671

Chistiakova, E. V. [Vasilii Us, comrade at arms of Stenka Razin; teacher's manual] Vasilii Us, spodvizhnik Stepana Razina; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 75 p.
(MH)

USSURI BAY—CILIATA

Infusorians of the mesopsammon of the Ussuri Bay (Sea of Japan). I. B. Raikov. Zool. zhur. 42 no. 12:1753-1767 '63.

UST'-BELAYA (MAGADAN PROVINCE)—MAN, PREHISTORIC

Excavation of the Ust'-Belaya burial ground according to data of 1958. N. N. Dikov. Zap. Chuk. kraeved. muz. no. 2:10-14 '61.

The nature around the Ust'-Belaya man. A. P. Vas'kovskii, G. G. Kartashova. Zap. Chuk. kraeved. muz. no. 2:43-45 '61.

Process of restoration of a head on the basis of a skull found at the Ust'-Belaya burial ground. G. V. Lebedinskaia. Zap. Chuk. kraeved. muz. no. 2.18-21 '61.

UST'-KAMENOGORSK—ELECTRIC ENGINEERING—ACCOUNTING

Big concerns of a small accounting office. G. Kasymov. Nar khoz. Kazakh. 22 no. 3:37-41 Mr '64.

UST'-KAMENOGORSK—PNEUMATIC CONTROL

A strange and uncomprehensible position. G. Peskov. Nar. khoz. Kazakh 22 no. 3·62-63 Mr '64.

UST'-KAMENOGORSK RESERVOIR—FISH CULTURE

Artificial spawning grounds in the Ust'-Kamenogorsk Reservoir. A. P. Chaban, A. P. Chernyshev. Vest. sel'khoz. nauki [Kazakh.] 7 no. 2:99-95 F '64.

UTERUS—CANCER

Review of R. A. Rodkina's book "Cancer of the cervix uteri during the first stage." V. P. Tobilevich Vop. onk. 8 no. 10:123-125 '62.

UTERUS—DISEASES

Comparative evaluation of the therapeutic effectiveness of some tissue extracts in the functional disorders of the sexual sphere in cows. IU. A. Skripitsyn. Zap. Vor sel'khoz inst 17 no. 2 105-109 '62.

UTERUS—INNERVATION

Participation of the lymphatic vessels in the lymph flow changes caused by some interoceptive stimulations. A. N. Dankova, I. A. Potapov. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no. 2:22-26 '64.

UTERUS—MOTILITY

Vetrazin as a uterine stimulant. A. N. Kudrin and others Farm. i toks. 26 no. 1.75-80 Ja-F '63.

UYTAS REGION (KAZAKHSTAN)—COPPER ORES

Use of the method of induced polarization at the Uytas copper ore deposit D. Al'mukhanbetov, N. Kul'baev Vest. AN Kazakh. SSR 19 no. 5.45-50 My '63.

UZBEKISTAN—CLIMATOLOGY, MEDICAL

Climatotherapy and climatoprophylaxis in Uzbekistan R. A. Katsenovich. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:9-15 '62.

Climatotherapy in the compound treatment of patients with a hypotonic syndrome in the Lunacharskoye Sanatorium. V. P. Bliakhovskaia. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:126-130 '62.

Organization of climatotherapy in Uzbekistan sanatoriums. E. D. Surkova. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:121-126 '62.

Prospects for organizing large-scale rest areas near the Uzbekistan reservoirs. A. P. Drynkin, G. P. Lazarenko. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:34-39 '62.

UZBEKISTAN—COTTON BREEDING

Promoting the ripening and yields of cotton by the method of controlled loosening and forming of heredity. S. S. Sadykov. Agrobiologiia no. 3:364-368 My-Je '64

UZBEKISTAN—COTTON WILT

Resistance to wilt of some cotton forms and varieties. A. Abdullaev. Agrobiologiia no. 3:374-379 My-Je '64.

UZBEKISTAN—GRAIN HANDLING

Our current and future plans. A. Platonov. Muk. -elev. prom. 30 no. 2:1-3 F '64.

UZBEKISTAN—GUIDEBOOKS

[Uzbekistan; a concise manual and guidebook] Uzbekistan; kratkii spravochnik-putevoditel'. Tashkent, Gosizdat UzSSR, 1963. 227 p. illus.

UZBEKISTAN—HEALTH RESORTS, WATERING PLACES, ETC.

Exercise therapy in nonspecific diseases of the respiratory organs at the health resorts and sanatoriums of Uzbekistan. V. N. Bekhtereva. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:163-167 '62.

Prospects for the development of climatological health resorts in Uzbekistan. M. I. Keiko, A. B. Burkhanov. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:3-8 '62.

Prospects for the organization of health resort treatment of kidney diseases in Uzbekistan. M. I. Keiko. Sbor. trud. Uz. gos. nauch. -issl. inst. kur. i fizioter. 17:40-50 '62.

UZBEKISTAN—OSTRACODA, FOSSIL

Find of ostracods of the genus Mediocytherideis in Neogene deposits of the Bukhara-Karshi Steppes (Uzbek S. S. R.). M. N. Gramm. Paleont. zhur. no. 2: 155-157 '64.

UZBEKISTAN—PLANT LICE

Davletshina, A. G. [Plant lice of the genus Aphis L. of Uzbekistan] Tli roda Aphis L. fauny Uzbekistana. Tashkent "Nauka" UzSSR, 1964. 133 p.

[illegible]—STUDENT

[illegible] transportation and [illegible] railroad [illegible] Tashkent [illegible] zh. dorog. [illegible] 1963. [illegible]

[illegible]

[illegible] Soviet Uzbeki- [illegible] Uzbekistane. Tash- [illegible] 1964. 81 p.

[illegible]

[illegible] areas near [illegible] D. [illegible] G. P. [illegible] rast kir 1 [illegible]

[illegible]—SLNPATHS

[illegible] and therapeutic [illegible] V. S. S[illegible]arichevskii [illegible] g[illegible] nauch -issl [illegible] I 10-120 '6-

[illegible] REGION—MITES

[illegible] of southern Kirgizia. [illegible] 7 61 '62.

[illegible] REGION—Q FEVER

[illegible] foci of southern [illegible] no. 2 [illegible]

UZHANSKII, IAKOV GERASIMOVICH, 1903-

[illegible] birthday [illegible]

VACCINATION

[illegible] Vest KhIr [illegible]

[illegible] triple antigenic inoculations with an anaerobic [illegible] on [illegible] hematological indices in horses [illegible] Kleitman, [illegible] Sterkevich, V. I. Knitel'shot. Trudy [illegible] 14 164-174 '63.

[illegible] polyvalent bacterial preparations on the phago- [illegible] activity of the blood in horses. F. I. Kleitman and others. Trudy TomNIIVS 14 169-175 '63.

[illegible] of small [illegible] D. Petrova [illegible] '61

[illegible] I. S[illegible]. Trudy [illegible] '61.

Observations of the effect of polyvalent bacterial preparations on the temperature of some internal organs in rabbits. F. I. Kleitman, I. I. Benediktov. Trudy TomNIIVS 14:151-158 '63

[illegible] subcutaneous administra- [illegible] stimulants [illegible] on guinea [illegible] Trudy [illegible] '61.

Some indices of the general reaction of the organism of horses to the administration of polyvalent anatoxins. F. I. Kleitman and others. Trudy TomNIIVS 14:176-183 '63

VACCINES

Adsorbed vaccine against Brown-Pearce carcinoma. P. A. Bulanov, IU. V. Isakov. Trudy Inst klin i eksp kard AN Kazakh SSR 8 128-131 '62

Compound polyvalent multiantigen vaccines in experiments on dogs. B. G. Trukhmanov, S. M. Ksents. Trudy TomNIIVS 14:152-160 '63

Determination of the tolerance for compound polyvalent multiantigen vaccines in experiments on dogs. B. G. Trukhmanov, S. M. Ksents. Trudy TomNIIVS 14:145-151 '63

VACUUM—MEASUREMENT

Sokolov, O. V. [Generation and measurement of a vacuum] Poluchenie i izmerenie vakuuma; uchebnoe posobie. Leningrad, Leningradskii elektrotekhn. in-t. Pt. 1. 1963. 139 p.

VACUUM METALLURGY

Investigating the effect of vacuuming on the die-casting process. I. A. Gasparian. Izv vys ucheb zav mashinostr no 1 94-100 '64

Kinetics of the removal of sulfur compounds during the vacuum treatment of iron-carbon melts. V. T. Burtsev, IU. I. Korbman, A. M. Samarin. Izv. AN SSSR. Met i gor delo no. 3:58-62 My-Je '64

Vacuum treatment of liquid steel in the ladle or while pouring. N. M. Chuiko and others. Izv vys ucheb zav chern met 7 no 4 62-67 '64

Vacuum treatment of steel for seamless-forged steam turbine rotors. P. V. Skiluev, I. I. Grigor'ev. Metalloved. i term. obr. met. no. 6 34-36 Je '64.

VACUUM PUMPS

Sokolov, O. V. [Generation and measurement of a vacuum] Poluchenie i izmerenie vakuuma; uchebnoe posobie. Leningrad, Leningradskii elektrotekhn. in-t. Pt. 1. 1963. 139 p.

VAGUS NERVE

Cortical projection of different sections of the vagus nerves. S. M. Zaratskaia. Dokl AN SSSR 157 no. 2 493-496 Jl '64

Neurohumoral regulation of the biosynthesis of blood coagulation and anticoagulation factors in the liver. V. V. Markosian, Kh. D. Lomazova, L. M. Metal'nikova. Pat fiziol i eksp terap 7 no 6 53-57 N-D '63

VAKHSH VALLEY—WATER, UNDERGROUND—ANALYSIS

Chemical investigation of water extracts and underground waters of the Vakhsh Valley. I. K. Poletaev. Uch zap Tadzh un 17 Trudy Fak est nauk no 3 137-164 '58

VAKHTANGOV, EVGENII BOGRATIONOVICH, 1883-1922

Khersonskii, Kh. N. Vakhtangov. Moskva, Molodaia gvardiia, 1963. 358 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 11(367))
(NPB)

VAKHURKINA, ALEKSANDRA MIKHAILOVNA, 1893-

Aleksandra Mikhailovna Vakhurkina, on her 70th birthday. Arkh. pat. 25 no 10.83-84 '63.

VALDAY, LAKE—METEOROLOGY—OBSERVATIONS

Some results of meteorological observations on the Valday Lake using a specially equipped boat. A. S. Zaitsev, N. V. Serova. Trudy GGO no. 150:107-115 '64.

VALE REGION (GEORGIA)—HEDERA, FOSSIL

Geological history of the Hedera colchica. Zh. Sh. Dolidze, L. T. Chelidze. Soob. AN Gruz. SSR 31 no. 1:89-94 Jl '63.

VALINE CRYSTALS—SPECTRA

Use of the electron paramagnetic resonance method in studying the structure and orientation of the stabilized free radicals in γ-irradiated d, l-valine single crystals (with summary in English). S. Z. Shul'ha, A. I. Tsiliatnyk. Ukr. fiz. zhur. 9 no. 2.185-191 F '64.

VALK, SIGIZMUND NATANOVICH, 1887-

S. N. Valk's 75th birthday. Ist. SSSR 7 no. 2:236 Mr-Ap '63.

VALLA, LORENZO, 1406-1457

Khomentovskaia, A. I. [Lorenzo Valla, great Italian humanist] Lorentso Valla - velikii ital'ianskii gumanist. Moskva, Izd-vo "Nauka," 1964. 146 p. (Nauchno-populiarnaia seriia)

VALVES

Using a safety stop valve as a blocking valve in boiler units. A. F. Lavlinskii. Gaz prom 7 no 4 35-37 '62

VAN GIESON, IRA, 1866?-1913

Ira Thompson van Gieson; on the 50th anniversary of his death. L. I. Aruin. Arkh. pat. 25 no. 10 51-52 '63.

VAPOR DENSITY

Method for determining the molecular weights of lubricant vapors. V. M. Martynov, M. M. Kaulina. Neftaper. i neftekhim. no. 6:21-23 '63

Physicochemical properties of sodium and potassium silicate solutions. Part 2: Vapor density of sodium silicate solutions. G. G. Babaian, S. S. Muradian, E. B. Oganesian. Izv AN Arm SSR Khim. nauki 17 no 3:290-295 '64

VAPOR-LIQUID EQUILIBRIUM

Vapor-liquid equilibrium of some diluted solutions. IA. D. Zel'venskii, A. A. Titov, V. A. Shalygin. Khim. i tekh. topl. i masel 9 no. 3:1-7 Mr '64

VAPOR PRESSURE

Calculation of the saturated vapor pressure in binary systems in which the chemical interaction between components occurs in the vapor phase. N. L. IArym-Agaev, E. A. Kogan, E. D. Soldatova. Zhur fiz. khim. 36 no. 6:1173-1178 Je '62.

Rate of vaporization of components during the thermal dissociation of yttrium and lanthanum berrylides. V. M. Amonenko. Izv. AN SSSR. Met. i gor. delo no. 3: 158-160 My-Je '64

VAPORS

Determination of the condensation coefficient from the rate of saturation of a confined space or of the effusion chamber space. L. P. Firsova. Zhur. fiz. khim. 36 no 6:1332-1334 Je '62.

Determination of the vapor composition by analyzing molecule velocities. G. F. Voronin. Zhur. fiz. khim. 37 no. 4:897-899 Ap '63.

VARIATION (BIOLOGY)

Changes in the genetic structure of cells under the influence of 5 bromouracil. A. G. Skavronskaia. Vest. AMN SSSR 18 no. 12:51-62 '63.

Gamma-ray induced H-mutation of the extracellular phage T2. S. N. Ardashnikov, V. N. Soifer, D. M. Gol'dfarb. Vest. AMN SSSR 18 no. 12:43-50 '63.

Relation of the mutagenic effect of 2-chloroalkyl amines to the structure of their functional groups and radicals. S. I. Alikhanian, M. G. Oganesian. Vest. AMN SSSR 19 no. 1:72-84 '64.

Some genetic mechanisms in the formation of [illegible] bacteria. V. S. Levashov. Vest. AMN SSSR [illegible] 84-88 '63.

Some problems concerning the regulation of [illegible] activity and synthesis in bacteria. V. N. [illegible] Vest. AMN SSSR 18 no. 12.74-84 '63.

VARNISH AND VARNISHING

Belov, S. L., and others. [Varnishing musical instruments using a high-voltage electrostatic field] [illegible] vanie muzykal'nykh instrumentov v elektrostatich[illegible] pole vysokogo napriazheniia. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabaty- vaiushchaia promyshlennost', no. 3)

VARNISH AND VARNISHING—EQUIPMENT AND SUPPLIES

Varnish spraying machine. V. M. Prodanchenko. [illegible] 13 no. 3:12-14 Mr '64.

VASCULAR GRAFTS

Alloplasty of the large blood vessels. I. K. Pipiia, A. V. Tolia. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:565-568 '63.

VASIL'EV, LEONID LEONIDOVICH, 1891-

Leonid Leonidovich Vasil'ev. Nerv. sist. no. [illegible]

VASODILATORS

Effect of diethylenediamine cobalt iodide on coronary circulation. L. S. Chkhikvishvili. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:451-456 '63.

Effect of some hydrazine derivatives of cobalt on coronary circulation. L. S. Gogenava, L. S. Chkhikvishvili. [illegible] Inst. klin. i eksper. kard. AN Gruz. SSR 8:457-4[illegible] '63

VASOMOTOR DRUGS

Correlation of general and local vasomotor reactions [illegible] chemical stimulation of blood vessels. G. P. K[illegible], V. A. Levtov. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:551-563 '63

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VATICAN COUNCIL, 1962-

Most important events in the life of churches and [illegible] associations in the U.S.S.R.; a chronicle [illegible] soob Inst. po izuch. SSSR no. 53/54 [illegible] F '64

VAUDEVILLE

[Art of the stage; a collection] Iskusstvo estrady; sbornik. Moskva, Sovetskaia Rossiia, 1964. 134 p.

VECCHIETTI, TULLIO, 1914-

Tullio Vecchietti. Nov. vrem. 21 no. 20:1[illegible] Jl '64.

VECTOR ANALYSIS

Correction of erroneous information. P. I. [illegible] Vestsi AN BSSR. Ser. fiz.-tekh. navuk no. [illegible]

Formalism of gauge invariance and the mass of vector particles. R. N. Sallia. Soob. AN Gruz. SSR 33 no. 1: 57-60 Ja '64.

A method for reorthogonalization of a system of vectors. V. N. Kublanovskaia. Zhur. vych. mat. i mat. fiz. 4 no. 2:338-340 Mr-Ap '64.

Silde, O., and H. Roivik. [Elements of vector analysis; an outline] Vektoranaluusi alged; konspekt. Tallinn, Tallinna Polutehniline In-t, 1963. 77 p. [In Estonian]

VECTORCARDIOGRAPHY

Periodic (running) biomechanical information in the training of cyclists. L. V. Chkhaidze. Teor. i prak. fiz. kul't. 27 no. 6:54-57 Je '64.

Spatial vector analysis of electrocardiogram. A. V. Gol'tsman. Biofizika 9 no 1:111-117 '64.

VEDENIN, IVAN PROKOF'EVICH, d. 1942

Like Nikolai Gastello. A. Zaitsev. Starsh.-serzh. no. 6:18 Je '64.

VEGETABLE GARDENING

Edel'shtein, V., and G. Tarakanov. [Growing of vegetable seedlings. Translated by A. Eglo] Darzenu destu audzesana. Riga, Latvijas Valsts izd-ba, 1964. 137 p. [In Latvian]
(DNAL)

Growing early vegetables in heated soil outdoors. T. N. Grigor'eva. Sbor. rab Mosk. gidromet. observ. no. 2 106-111 '63.

Treasure chest of vitamins. B. Aleksandrov. Sem'ia i shkola 19 no. 5.46 My '64.

[Vegetable gardening] Darzenkopiba. Riga, Latvijas Valsts izd-ba. [In Latvian]
Pt. 2. Veveris, J., comp. [Growing vegetables under glass] Zemstikla darzenkopiba. 1963. 398 p.
(DNAL)

VEGETABLE TRADE see subdivision under Novosibirsk

VEGETABLES

Iodine and cobalt assimilation by vegetables in foliar feeding with salt solutions of various concentration. M. V. TSiarients'eva, T. IA. Lobach. Vestsi AN BSSR, Ser.biial.nav. no.3 59-63 '63.

Methods for the sanitary and bacteriological examination of vegetables and fruit. L. I. Abel'son Vop.pit. 22 no.6.68-69 N-D '63

VEGETABLES—DISEASES AND PESTS

Maslennikov, I. P., and M. V. Orekhovskaia. [Controlling the pests and diseases of vegetable seed plants] Bor'ba s vrediteliami i bolezniami semennikov ovoshchnykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 70 p.
(DNAL)

VEGETATION AND CLIMATE see subdivision under Khomutovskaya Virgin Steppe Preserve

VEHICLES

Cart for gas cylinders. I. V. Fal'kenshtein. Mashinostroitel' no.5;22 My '64.

VEINS

Venomotor center. E.G.Skipina. Izv.AN Kazakh.SSR. Ser.med.nauk 11 no.2;3-16 '64.

VEINS—AGING

Venous system of the myocardium in the age-related aspect and in ischemia. N.A.Dzhavakhishvili, M.E. Komakhidze. Trudy Inst. klin i eksper kard.AN Gruz. SSR 6;327-330 '63.

VELIKIYE LUKI—PEAT MACHINERY

Innovations of efficiency promoters at the "Torfmash" Plant in Velikiye Luki. S. I Matsesovich Mashinostroitel' no 4 20-21 Ap '64.

VENA CAVA—LIGATURE

Experimental investigations of cerebral circulation in a temporary occlusion of the cranial (superior) vena cava. G.I Mchedlishvili, V.A.Akhobadze, L G Ormotsadze. Trudy Inst. klin i eksper.kard AN Gruz. SSR 8;537-541 '63.

VENA CAVA—SURGERY

Siroikina, M. G. [Plastic surgery on the vena cava superior, experimental study] Plastika verkhnei poloi veny, eksperimental'noe issledovanie. Moskva, Meditsina, 1964. 173 p.
(DNLM)

VENDING MACHINES

(see also subdivision under Erivan)

On the problem of vending machines. A.Markhrovskii. Sov.torg. 37 no.5 19-21 My '64.

To operate in a businesslike manner means to count intelligently. M Gorbunov, G Kaliazin Sov torg. 37 no.5 24-26 My '64

VENEERS AND VENEERING

Estimating veneer raw materials. K.A.Kudriavets. Der.prom. 13 no.3:17-18 Mr '64.

Golikov, V. I., and Z. F. Resina. [Intensification of veneering and gluing operations in the manufacture of furniture] Intensifikatsiia faneroval'nykh i skleechnykh rabot v proizvodstve mebeli. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 119 p.

Physical and mechanical properties of burl birch wood. A.V.Koz'min. Izv.vys.ucheb.zav.; les.zhur. 6 no.6. 117-119 '63.

VENEREOLOGY

Zheltakov, M. M. [Skin and venereal diseases] Kozhnye i venericheskie bolezni. Izd.2., perer.i dop. [Moskva] Meditsina, 1964. 299 p.
(DNLM)

VENICE—HISTORY

Sokolov, N. P. [Establishment of the Venetian colonial empire] Obrazovanie Venetsianskoi kolonial'noi imperii. [Saratov] Izd-vo Saratovskogo univ., 1963. 540 p.
(MH)

VENOM

Isolation of 5'-nucleotidase of viper venom from interfering enzymes. I. I. Nikol'skaia, O.S.Kislina, T.I. Tikhonenko. Dokl.AN SSSR 157 no.2;475-477 Jl '64.

VENOM—THERAPEUTIC USE

Changes in the biological characteristics of transplantable malignant tumors under the effect of snake venom. IU N.Fat'kin. Trudy Inst klin.i eksp khir.AN Kazakh. SSR 8;132-135 '62.

VERKHOYANSK RANGE—GEOLOGY, STRATIGRAPHIC

Boundary of Indskii and Olenek stages in the Verkhoyansk Range. K.F Klyzhko, A.N.Naumov, IU.N.Popov. Uch.zap.NIIGA no.1:26-34 '63.

Stratigraphy of the Permian-Carboniferous sediments of the southern Verkhoyansk Range B.S.Abramov. Uch zap NIIGA no.1:5-25 '63.

VERMICULITE

[illegible]

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

On the 100th anniversary of V I. Vernadskii's birth, 1863-1963. Vest Mosk un Ser 6: Biol ,pochv 18 no.3 3 My-Je '63.

V.I.Vernadskii's theory about the biosphere and its importance for modern oceanology L A. Zenkevich Vest.Mosk un Ser.6 Biol ,pochv 18 no 3 4-9 My-Je '63

VERNALIZATION

Effect of light on the process of vernalization in winter barley N M Fedulova Sbor nauch rab Sib nauch-issl inst sel' khoz no 6 130-133 '61

VERSIFICATION

Study of the free verse in Pushkin's "Songs of the Western Slavs." S.P.Bobrov. Teor.veroiat.i ee prim 9 no.2;262-272 '64.

VERTEBRAE—FRACTURE

Further data on so-called Calve's disease V. P Gratsianskii. Vest.rent.i rad 38 no.3 8-13 My-Je '63.

VERTEBRAE—RADIOGRAPHY

Penumospondylography in the diagnosis of posterior protrusion and prolapse of lumbar intevertebral disks B L.Dybnov Zhur nevr i psikh 64 no 5 686-689 '64.

VERTEBRAE, CERVICAL—DISLOCATION

Cervical osteochondrosis and subluxation of the intervertebral joints. IA IU Popelianskii Vest rent i rad. 38 no 3 21-24 My-Je '63

VERTEBRAL ARTERY—DISEASES

Functional stenosis of the regional arterial system of the brain (internal carotid and vertebral arteries) as a cause of cerebrovascular disorders, experimental studies G.I.Mchedlishvili. Zhur nevr i psikh. 64 no.5 663-666 '64.

VERTEBRATES see subdivision under Kama Valley, Volga Valley

VERTEBRATES, FOSSIL

(see also subdivision under Kolyma Basin)

On one problem of the vertebrate palentology in the U.S S.R IU.A Orlov. Paleont.zhur. no.1,131-132 '64.

VERTICALLY RISING AIRPLANES

Vertically rising airplane; peculiarities of flight characteristics of vertically rising airplanes. V.Pavlenko Av.i kosm. 46 no.5;58-62 My '64.

VETERANS

Meeting of veterans. N.Sorokin. Sov.voin 46 no.12: 6 Je '64.

VETERINARY HELMINTHOLOGY

Helminths of Japanese deer and their incidence on the deer raising farms in Altai within Kazakhstan Z I Priadko and others Paraz sel'khoz zhiv Kazakh 3 61-70 '64

VETERINARY MATERIA MEDICA AND PHARMACY

Augskalns, J. [Veterinary pharmocotherapy] Veterinara farmakoterapija. Riga, Latvijas Valsts izd-ba, 1964. 285 p. [In Latvian]
(DNAL)

Mikheev, M. I. [Tissue extracts in animal husbandry; dry tissue extracts in tablets] Tkanevye preparaty v zhivotnovodstve, o sukhikh tkanevykh preparatakh v tabletkakh. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.8)

VETERINARY MEDICINE

Clinical and X-ray examination of the stomach and the intestines of small animals V K Khokhlachev, B S Kashintsev, I L Rudakov Zap Vor sel'khoz inst 17 no 2 233-240 '62

[Concise manual for the veterinarian] Kratkii spravochnik veterinarnogo vracha. Moskva, Izd-vo "Kolos," 1964. 590 p.
(DNAL)

Nauchno-metodicheskaia konferentsiia o merakh profilaktiki nezaraznykh boleznei sel'skokhoziaistvennykh zhivotnykh. [Prophylaxis and therapy of noninfectious diseases of farm animals] Profilaktika i lechenie nezaraznykh boleznei sel'skokhoziaistvennykh zhivotnykh. Pod red. I.E.Mozgova, P.S.Ionova, K.A.Ostapenko. Moskva, Izd-vo "Klos," 1964. 254 p.
(DNAL)

Susceptibility of animals to influenza. O. V. Sydorenko. Mikrobiol. zhur. 25 no.6:28-33 '63.

Therapy of elaphostrongylusis in marals. E.I.Priadko, V.I.Teterin. Paraz sel'khoz.zhiv Kazakh. 3 90-97 '64.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref.zhur.: Zhiv.Vet. no.13 Jl '64.

VETERINARY PATHOLOGY

Ershov, V S., ed. [Parasitology and invasive diseases of agricultural animals] Parazitologiia i invazionnye bolezni sel'skokhoziaistvennykh zhivotnykh [By] D N Antipin i dr Moskva, Izd-vo "Kolos," 1964 494 p (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

VETERINARY PHYSIOLOGY—HANDBOOKS, MANUALS, ETC.

Daugerts, R., A Garanes, and D. Zarina [Physiology of animals] Dzivnieku fiziologija Riga, Latvijas Valsts izd-ba, 1963 433 p [In Latvian]
(DNAL)

VIADUCTS—DESIGN AND CONSTRUCTION see subdivision under Dusseldorf

VIBRATED CONCRETE

Automatic control of a machine for producing hollow flooring. A.S.Bulatkin Transp stroi 13 no 12 30-31 D '63

VIBRATION

Determining the frequencies of natural vibrations by means of electronic models. A F.Verlan'. Dop AN URSR no.6,733-735 '63.

Interaction of a complex quasi-linear vibrating system with an imperfect energy source in the presence of combined resonances V.P Rubanik, L.K Starik Izv.AN SSSR.Mekh.i mashinostr no 3;147-151 My-Je '64.

Measuring the frequency and damping of the vibrations of a light disc suspended in rotating water. K B Mesoed, D.S.TSakadze Trudy Inst fiz AN Gruz.SSR 9 147-149 '63

Three-dimensional fundamental mixed problem in the theory of steady-state elastic vibrations S Kh Shtatashvili Dokl AN Azerb SSR 20 no 4 7-11 '64

VIBRATION—MEASUREMENT

Accurate measurements of the parameters of motion, impact and vibratory accelerations V L Lassan Izm tekh no 4 39-41 Ap '64

Sinani, I. B. [From experience in the construction of piezoelectric devices for the measurement of vibrations; verbatim record of a lecture delivered at the Leningrad House of Scientific and Technical Information in September, 1963] Iz opyta konstruirovaniia p'ezoelektricheskikh priborov dlia izmereniia vibratsii; stenogramma lektsii, prochitannoi v LDNTP v sentiabre 1963 g. Leningrad, 1964. 32 p (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii)

VIBRATORS

Interaction of a submerged vibrator with an unlimited medium P.M Alabuzhev and others Izv Sib otd. AN SSSR no.3;25-29 '62.

Vibration working of parts. N.V Kolesnik Mashinostroitel' no 4 33-34 Ap '64

VIETNAM, NORTH—PARASITES—BIRDS

Several scientifically unknown species and genera of trematodes from birds of the Democratic Republic of Vietnam. P.G.Oshmarin. Zool.zhur. 43 no.5;652-661 '64.

VIETNAM, NORTH—POLITICS AND GOVERNMENT

[Heroic people] Narod-geroi. Hanoi, Izd-vo lit-ry na inostrannykh iazykakh, 1962. 273 p.

VIETNAM, NORTH—TREMATODA

Several scientifically unknown species and genera of trematodes from birds of the Democratic Republic of Vietnam. P.G.Oshmarin. Zool.zhur 43 no.5;652-661 '64.

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

Editorial comment. Nov.vrem. 21 no.26;1-2 Je '64.

VILJANDI (ESTONIA)—HISTORY

Vilj [illegible]
mu [illegible]
jar [illegible]
rii [illegible]
ny [illegible]
illus.

VILJANDI (ESTONIA)—PHYSICAL GEOGRAPHY

Viljandi. Vil'iandiskii mezhraionnyi kraevedcheskii muzei. [Viljandi; nature, history and sights; the Viljandi Regional Study Museum] Vil'iandi; priroda, istoriia, dostoprimechatel'nosti: Vil'iandiskii mezhraionnyi kraevedcheskii muzei. Vil'iandi, 1963. 63 p. illus.

VILNIUS—PRECAST CONCRETE CONSTRUCTION

Erecting large-panel buildings by the assembly-line method V.Belovitskii. Zhil.stroi. no.5:4-5 '64.

VILUNAS, PRANAS, ?-1937

Kirijenka, P. [The red vicar; from the life of Pranas Vilunas] Raudonasis vikaras; iz Prano Viluno gyvenimo. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 164 p. [In Lithuanian] [illegible] PROVINCE—COLLECTIVE FARMS—DESIGN AND CONSTRUCTION

[illegible] no. 12 [illegible]

[illegible] PROVINCE—CORN (MAIZE)

[illegible] no. 4 25-26 [illegible]

[illegible] PROVINCE—[illegible]

[illegible]

[illegible] PROVINCE—GRAIN HANDLING

[illegible] no. 4 25-26 [illegible]

[illegible] PROVINCE—RURAL CONSTRUCTION—MANAGEMENT

[illegible] and rural con- [illegible] 12 no. 12 5-10

VINYL COMPOUND POLYMERS

[illegible] glycol derivatives O M [illegible] Zhur prikl khim 37 no. 5,1152- [illegible] My [illegible]

VINYL [illegible]

[illegible], G P [Polymerization of vinyl monomers] Polimerizatsiia vinilovykh monomerov. Alma-Ata, Izd-vo Akad nauk Kazakhskoi SSR, 1964 321 p

VINYL ETHERS

[illegible] Part 22: Reaction of [illegible] V F. Vasil'eva, [illegible] Zhur ob khim 34 no 6:2055-2061 [illegible]

VINYL GROUP

[illegible] of the position of the vinyl group in vinyl [illegible] from the absorption spectra [illegible] Zhur fiz khim 36 no [illegible]-1262 Je '62

VIRGIN TERRITORY—BEANS—DISEASES AND PESTS

[illegible] Virgin Territory Zh Sh [illegible] [Kazakh] 7 no 6 23-[illegible]

VIRGIN TERRITORY—CORN (MAIZE)

Some characteristics of corn growing in the Virgin Territory in connection with the use of the triazine-type herbicides Z V Zhukhovitskaia, IU N Geshtovt Vest sel'khoz nauki [Kazakh] 7 no 2 55-58 F '64.

VIRGIN TERRITORY—HOG CHOLERA—PREVENTIVE INOCULATION

Control of hog cholera on the farms in the Virgin Territory I F Khaustov Vest sel'khoz. nauki [Kazakh] 7 no 2 135-138 F '64.

VIRGIN TERRITORY—MACHINERY INDUSTRY

We value our time V Purits Nar. khoz Kazakh 22 no 3 57-60 Mr '64.

VIRGIN TERRITORY—MINERAL WATERS

Balneological evaluation of mineral waters of the Virgin Territory and Karaganda Province. V F. Khomniuk, Izv AN Kazakh SSR Ser med nauk no. 1 66-71 '64

VIRGIN TERRITORY—*PARASITES—DUCKS*

Infestation of ducks with helminths as related to the type of [illegible] in the Virgin *Territory* *Kh I Egizbaeva*, Paraz sel'khoz zhiv Kazakh 3 154-162 '64

Supplement to the helminth fauna *of domestic ducks* and geese in the Virgin *Territory* Kh I Egizbaeva *Paraz* sel'khoz zhiv Kazakh 3 162 166 '64

VIRGIN TERRITORY—PARASITES—GEESE

Supplement to the helminth fauna *of domestic ducks and* geese in the Virgin Territory Kh I Egizbaeva *Paraz* sel'khoz zhiv Kazakh 3 162 166 '64

VIRGIN TERRITORY—*PHOSPHATES*

Phosphate fertilizers used for summer wheat pay for themselves at a high rate. O. Sdobnikova. Ekon. sel'-[illegible]

VIRGIN TERRITORY—SPRAYING AND DUSTING IN AGRICULTURE

One million hectares sprayed with ground machines. P. V. Shin. Zashch. rast. ot vred. i bol. 9 no. 6:4-5 '64.

VIRGIN TERRITORY—TIME STUDY

We value our time. V. Purits Nar khoz Kazakh. 22 no 3 57-60 Mr '64

VIRGIN TERRITORY—WATER PIPES

For the successful construction of water pipelines in the Virgin Territory. A A. Budagian. Stroi. truboprov. 8 no. 11:7-9 N '63.

VIRGIN TERRITORY—WEED CONTROL

Some characteristics of corn growing in the Virgin *Territory in* connection with the use of *the triazine-*type herbicides Z. V. Zhukhovitskaia, IU. N. Geshtovt Vest sel'khoz nauki [Kazakh.] 7 no. 2:55-58 F '64.

VIRGIN TERRITORY—WIND EROSION

Working out the plans for controlling wind erosion on the farms in the Virgin Territory. I. IA. Polovitskii. *Vest. sel'khoz. nauki [Kazakh]* 7 no 2:51-55 F '64

VIROLOGY see subdivision under Ukraine

VIRUS DISEASES see subdivision under Tomsk

VIRUS DISEASES—CONGRESSES

Joint Seventh Scientific Session of the Institute of Poliomyelitis and Virus Encephalitis of the Academy of Medical Sciences of the U.S.S.R. and the White Russian Institute of Epidemiology, Microbiology and Hygiene, dedicated to the study of tick encephalitis and other arbor virus infections. E. N. Levkovich. Vest. AMN SSSR 19 no 1:89-90 '64.

VIRUS DISEASES OF PLANTS

Change in the activity of cytochrome oxidase and peroxidase in leaves of a *cucumber infected by cucumber* mosaic virus. B. A. Rubin, I. V. Zelenova. Dokl. AN SSSR 157 no. 3:720-722 Jl '64.

VIRUS RESEARCH

Problems in the etiology, epidemiology and laboratory diagnosis of Botkin's disease A A. Smorodintsev, O R Golubev Al A Smorodintsev Vest. AMN SSSR 18 no 8:68-76 '63

VIRUSES

Apparatus for ultraviolet irradiation of virus suspensions E. K Bakhtin, A. A. Stetkevich. Trudy TomNIIVS 14: 288-292 '63.

Study on the carcinogenic activity *of polyoma virus in* rats, preliminary analysis *of* morphological changes. T. D. Gordeladze, F. I Adzhigitov. *Arkh. pat.* 25 no 10:40-46 '63.

VIRUSES—CULTURES AND CULTURE MEDIA

Effect of the Rous virus on endothelial explants. M. P. Ptokhov. Vop onk 8 no. 10:42-48 '62.

VISCERA—DISEASES

Histochemical changes in some internal organs *in* experimental atherosclerosis. I. IA. Tatishvili, R. V. Kapanadze. Trudy Inst. klin. i *eksper. kard. A N Gruz.* SSR 8:151-154 '63

X-ray diagnosis of diseases of the organs of the abdominal cavity in dogs by the method of the optimal *pneumatization* of the intestines B S Kashintsev. Zap. Vor. sel'-khoz inst 17 no 2 253-259 '62.

VISCERA—RADIOGRAPHY

X-ray diagnosis *of diseases of the* organs of the abdominal cavity in dogs by the method of the optimal pneumatization *of the intestines* B. S. Kashintsev. Zap. Vor. sel'-khoz inst 17 no 2 253-259 '62

VISCOSIMETRY

Effect of oxygen and sulfur on the viscosity of liquid iron. A. A. Romanov, *V. G. Kochegarov* Izv. AN SSSR. Met. i gor. delo no. 3:63-68 My-Je '64.

VISCOSITY

Density and viscosity of some melts of the system NH_4F-H. I. A. Semerikova, A. F. Alabyshev. Zhur fiz. khim 36 no. 6:1341-*1344 Je '62*.

Viscosity and structure *of glasses of* the system selenium - germanium. S. V. Nemilov. Zhur. prikl. khim. 37 no. 5:1020-1024 My '64.

Viscosity, Raman spectra, and thermodynamic constants of the homologous series of normal paraffins $C_5 - C_{16}$. S. Kh. G. Kashaev, *B. Le*, M. Z. Zinlatov, Dokl. AN SSSR 156 no. 2:408-411 My '64.

VISES

Hydraulic vises for power hack saw. V. M. Kopeniak. Mashinostroitel' no. 5:*23 My '64*.

Universal pneumatic lever-type vises with a floating cylinder *E D. Meshkov.* Mashinostroitel' no 4 24 Ap '64

VISION

Bioelectrical reactions in various parts of the rabbit visual system and their changes during barbiturate anesthesia. *A. G. Kopylov.* Nerv. sist. no. 3:43-50 '62.

A cause of visual effects conditioned by light polarization. Biofizika 8 no. 6:736-738 '63.

Fol'b, R. L. [Principles of flashing light signals] Osnovy vizual'noi probleskovoi signalizatsii. Moskva, Mashinostroenie, 1964. 98 p.

VISION RESEARCH

Adequatometry and discretometry of the human visual analysor at different geographic latitudes. H. A. Funtikov. Nerv. sist. no. 3:139-144 '62.

Dependence of the intensity of the light threshold on the shape and area of the test object. N. I. Gavrilova Nerv. sist. no. 3:135-138 '62.

VITAL STATISTICS

Growth of the world's population. L. Kulavhinskaia. Mir. ekon. i mezhdunar. otn. no. 7:105-106 '64

VITAMINS

Body reaction to the introduction of large doses of vitamin D_2 (experimental data) B. A. Lavrov, T. L. Terent'eva Vest AMN SSSR 18 no 8:54-59 '63.

Ovcharov, K. E. [Vitamins in plants] Vitaminy rastenii. Moskva, Izd-vo "Kolos," 1964. 245 p. (ONAL)

VITAMINS—A

Vitamins A and E in atherosclerosis. IA. IU. Shpirt, I. M. Davidenkova, A. I. Sevriugina. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:107-110 '63.

VITAMINS—B

Effect of group B vitamins on the free amino acids of some yeast species of the genus Candida. M. A. Ter-Karapetian, E. N. Makarova. *Izv. AN Arm. SSR. Biol.* nauki 17 no. 1:27-36 Ja '64.

VITAMINS—B_1 see Thiamine

VITAMINS—B_5 see Nicotinic acid

VITAMIN B_{12} see *Cyanocobalamine*

VITAMINS-C see *Ascorbic acid*

VITAMINS—E see Tocopherol

VITAMINS AS FEED

Enrichment of mixed feeds with antibiotics and vitamins *at the Sal'sk Mixed* Feed Plant. N. Chudakovskii Muk.-elev. prom. 30 no. 2:6 F '64.

VITEBSK PROVINCE—*DAIRY CATTLE BREEDING*

Breeding work with Kostroma and Swiss cattle in the breeding herds of White Russia G. M Sidorenko. Trudy Bel nauch.-issl. inst zhiv. 3:32-40 '62.

VITEBSK PROVINCE—SWINE BREEDING

Organization of swine crossbreeding for the market on collective and state farms of Vitebsk Province G. G. Tonovitskii, Trudy Bel. nauch.-issl. inst zhiv 3 158-161 '62.

VLADIMIR PROVINCE—ORTHOPEDIA

From the history *of the development* of traumatological and orthopedic service in Vladimir Province. N. S. Khaletskaia. Ortop., travm. i protez. 24 no. 12:75-79 D '63.

VLADIMIR PROVINCE—*TRAUMATISM*

From the history of the development of traumatological and orthopedic service *in Vladimir Province.* N. S. Khaletskaia. Ortop., travm. i protez. 24 no. 12:75-79 D '63.

VOCATIONAL EDUCATION

Evaluation criteria and norms. S. F. Kulishevskii. Shkola i proizv. 6 no. 5:16-18 My '64.

Inculcating a responsible attitude toward *work in teenagers.* IU. Z. Hil'bukh. Rad. shk. 43 no 5:84-90 My '64

Lesson on the topic "Comprehensive works" in the seventh grade. D. F. Goncharov, *N. V. Fedorov. Shkola* i proizv. 6 no. 5:41-43 *My '64*.

Occupation and qualification descriptions *for* schools. M. A. Zhidelev, I. S. Figanov. Shkola i proizv. 6 no. 5: 11-15 *My '64*.

VOCATIONAL EDUCATION—CURRICULA see subdivision under Lithuania

VOCATIONAL EDUCATION—TEACHER TRAINING

Methodological work *with industrial training* teachers. P. M. Oksesenko. Shkola i proizv. 6 no. 5:77-79 My '64.

VOCATIONAL GUIDANCE

Preparing students *for the choice of* an occupation. A. S. Tatenko. Shkola i proizv. 6 *no.* 5:61-63 My '64.

"Vocational guidance *work with adolescents* in schools" by M. D. Vinogradova. Reviewed by D. Vol'khin. Nar. obr. no. 7:114 Jl '64.

VOLBORTHITE see subdivision under **Kazakhstan**

VOLCANIC ASH, *TUFF, ETC.* see subdivision under Donets Basin; Georgia

VOLCANOES

(see also subdivision under Tertri-Tskaro District)

Deformations of the earth and volcanism as related to polar migrations A V Solntsev Vest. AN Kazakh SSR 10 no 6.51-56 Je '63

VOLCHIKHA RESERVOIR—WATER—POLLUTION

Development of the water habitat in the Volchikha reservoir at the first fill-in stage in connection with pollution by industrial sewage. Z. M. Balabanova. Okhr. prir. na Urale no. 2.31-44 '61.

VOLGA-BALTIC SEA WATERWAY

Youth of an ancient highway. V. Konstantinov. Sov. voin 46 no. 13:26-27 Jl '64

VOLGA DELTA—BIRDS—FOOD

Significance of piscivorous birds in the fish spawning and rearing farms of the Volga Delta. V K Markuze Biul. MOIP, Otd. biol. 69 no. 3:127-128 My-Je '64.

VOLGA DELTA—FISH CULTURE

Significance of piscivorous birds in the fish spawning and rearing farms of the Volga Delta. V. K. Markuze. Biul. MOIP. Otd. biol. 69 no. 3:127-128 My-Je '64.

VOLGA HYDROELECTRIC POWER STATION (LENIN)

Kovalev, A. IA. [The V. I. Lenin Volga Hydroelectric Power Station] Volzhskaia gidroelektrostantsiia im. V. I. Lenina. Pod red. P. A. Volodina. Moskva, Izd-vo lit-ry po stroitel'stvu, 1964. 142 p. illus.

VOLGA RIVER—ZOOPLANKTON

Dependence of the biomass and the outflow of the Volga zooplankton upon the basic environmental factors IU. P. Rukhliadev Zool. zhur 43 no. 1:3-16 '64.

VOLGA-URAL REGION—GAS, NATURAL—GEOLOGY

Sarkisian, S. G., and others. [Conditions governing the formation of the Lower Carboniferous terrigenous layer of Kuybyshev Province, Tatarstan, and Bashkiria] Usloviia obrazovaniia terrigennoi tolshchi nizhnego karbona Kuibyshevskoi oblasti, Tatarii i Bashkirii. Otv. red. A. N. Solovkin. Moskva, Izd-vo "Nauka," 1964. 77 p. illus., 3 fold. diagr (in folder)

VOLGA-URAL REGION—GAS WELL LOGGING

Interpretation of the data of component analysis of reservoir gases in gas well logging in the Volga-Ural oil-bearing region. V. V. Masiukov. Razved. i prom. geofiz. no. 49:118-120 '63.

VOLGA-URAL REGION—PETROLEUM GEOLOGY

Mkrtchian, O. M. [Upper Devonian reefs and their role in the formation of oil-bearing structures to the east of the Volga-Ural region] Verkhnedevonskie rify i ikh rol' v formirovanii neftenosnykh struktur vostoka Uralo-Povolzh'ia. Moskva, Izd-vo "Nauka," 1964. 117 p.

Sarkisian, S. G., and others. [Conditions governing the formation of the Lower Carboniferous terrigenous layer of Kuybyshev Province, Tatarstan, and Bashkiria] Usloviia obrazovaniia terrigennoi tolshchi nizhnego karbona Kuibyshevskoi oblasti, Tatarii i Bashkirii. Otv. red. A. N. Solovkin. Moskva, Izd-vo "Nauka," 1964. 77 p. illus., 3 fold. diagrs (in folder)

VOLGA-URAL REGION—REEFS

Mkrtchian, O. M. [Upper Devonian reefs and their role in the formation of oil-bearing structures to the east of the Volga-Ural region] Verkhnedevonskie rify i ikh rol' v formirovanii neftenosnykh struktur vostoka Uralo-Povolzh'ia. Moskva, Izd-vo "Nauka," 1964. 117 p.

VOLGA VALLEY—AGRICULTURAL GEOGRAPHY

Savonkov, S. I. [Natural conditions of the lower trans-Volga region (economic geographic characteristics); materials on economic geographic regionalization to be used in agriculture] Prirodnye usloviia Nizhnego Zavolzh'ia (ekonomiko-geograficheskaia kharakteristika); materialy po ekonomiko-geograficheskomu raionirovaniiu SSSR dlia tselei sel'skogo khoziaistva. [Saratov] Izd-vo Saratovskogo univ., 1962. 159 p.

VOLGA VALLEY—GAS, NATURAL—GEOLOGY

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Development of the gas industry in the Lower Volga Valley; thematic scientific-technical collection] Razvitie gazovoi promyshlennosti Nizhnego Povolzh'ia; tematicheskii nauchno-tekhnicheskii sbornik. Mosvka, GOSINTI, 1962. 168 p.

[MICROFILM]

VOLGA VALLEY—GASOLINE

Present status of the production of hydrocarbon stock in the gasoline plants of the middle Volga Valley Council of National Economy. I. S. Vol'fson and others. Gaz. delo no. 5:28-33 '64.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Division of Lowe [illegible] the Volga Valley. [illegible] '63.

VOLGA VALLEY—[illegible]

Ivanov, K. A., and [illegible] Moskv[illegible] [Moskva [illegible] 111 p.

VOLGA VALLEY—RIVERS

Restoration of the natural characteristics of the regulated flow of rivers in the upper Volga basin. V G. Andreianov, G. S. Semenova Sbor rab Mosk gidromet obser no. 2 4-63 '63

VOLGA VALLEY—VERTEBRATES

Akademiia nauk SSSR. Kazanskii filial. Biologicheskii institut. [Natural resources of the Volga-Kama territory; the animal kingdom] Prirodnye resursy Volzhsko-Kamskogo kraia; zhivotnyi mir. Moskva, Izd-vo "Nauka," 1964. 194 p.

VOLGOGRAD—ALUMINUM INDUSTRY

Supply aluminum production with a norm base E Nefedova, L Boichenko. Plan. khoz 41 no 7 87 Jl '64

VOLGOGRAD—BORING MACHINERY

Council of innovators is in action. G. G. Zaikin Mashinostroitel' no 5:4 My '64.

VOLGOGRAD—SNOW REMOVAL

Clearing snow and ice from streets. A Shorin. Zhil-kom khoz 13 no 10 16 O '63

VOLGOGRAD PROVINCE—LIGHTWEIGHT CONCRETE

Keramzit concrete on building projects in Volgograd Province. S Kirkorov. Bet i zhel.-bet. 10 no. 4:181-183 Ap '64.

VOLGOGRAD PROVINCE—PETROLEUM GEOLOGY

Results of using the controlled directional sensitivity method for seismic waves in the area of the Dono-Medveditskiy dislocation. B. N. Lutsenko Geofiz. razv. no. 15:19-34 '64.

VOLGOGRAD PROVINCE—SEISMIC PROSPECTING

Results of using the controlled directional sensitivity method for seismic waves in the area of the Dono-Medveditskiy dislocation. B N. Lutsenko. Geofiz. razv. no. 15:19-34 '64.

VOLGOGRAD PROVINCE—TRANSPORTATION, AUTOMOTIVE

Active role of voluntary organizations. R. Aleksandrin. Avt. transp 42 no. 6:9-10 Je '64

VOLHYNIA—GEOLOGY, STRATIGRAPHIC

Comparison of cross sections and a general plan for the division of Pre-Ordovician layers in Volhynia and Podolia. E. P. Bruns, E. E. IAkobson. Trudy VSEGEI 91:59-64 '63.

VOLKHOV (LENINGRAD PROVINCE)—CHEMICAL PLANTS

For producing bisuperphosphate. V. A. Vlasovskii, B. M. Markus. Stroi. i arkhit Len. 26 no. 4:11-12 Ap '64.

VOLLEYBALL

Effect of warming-up on the speed of visual perception in volleyball players. L. S. Nersesian. Teor. i prak. fiz. kul't. 27 no. 6:61-63 Je '64.

VOLOGDA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Vologda. Gosudarstvennyi pedagogicheskii institut. [From congress to congress; the struggle of the Vologda party organization to raise the level of economics and culture in the province] Ot s"ezda k s"ezdu; iz opyta bor'by Vologodskoi partiinoi organizatsii za pod"em ekonomiki i kul'tury oblasti. [Vologda] Vologodskoe knizhnoe izd-vo.

Vol. 1. 1963.

VOLOGDA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Education in work; from the practice of the party organizations of Vologda Province forest farms] Vospitanie v trude; iz opyta raboty partorganizatsii lespromkhozov Vologodskoi oblasti. [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 38 p.

(CSt-H)

VOLOGDA PROVINCE—FURNITURE

Shagalov, D. A. [Manufacture of glued bentwood furniture parts; experience of the enterprises in Vologda Province] Proizvodstvo gnutokleenykh detalei mebeli; opyt predpriiatii Vologodskoi oblasti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 35 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo!)

VOLOGDA PROVINCE—HISTORY

Vologda. Gosudarstvennyi pedagogicheskii institut. [From [illegible] party [illegible] culture [illegible] omiki [illegible] izd-vo.

Vol. 1. 1963.

VOLOGDA PROVINCE—PHYTOGEOGRAPHY

[illegible]

VOLOKOLAMSK REGION (MOSCOW PROVINCE)—RECLAMATION OF LAND

Sheludiak, N. I. [Land improvement and fertilizers] Melioratsiia i udobrenie. [Moskva] Mosk. rabochii, 1964. 34 p. (Ikh opyt dostupen vsem)

(DNAL)

VOLTAGE REGULATORS

Current regulator in the electric drive of a reversive rolling mill with electronic generator excitation N. P. Kunitskii, G. M Ivanov Izv. vys. ucheb zav; elektromekh. 7 no. 6:714-723 '64

Nearly optimal voltage regulation of a generator. A. N. Voronin. Izv. vys. ucheb. zav., energ. 7 no. 5 14-19 My '64.

Use of feedback in respect to speed in automatic rectangular-coordinate a c compensators I. L Shain Izv. vys. ucheb. zav., elektromekh 7 no 6:746-751 '64.

VOLUMETRIC APPARATUS

Analytical volumeter L. S Roktanen Trudy TSel sel'-khoz inst. 1:173-182 '63

VOMITING

Danger of regurgitation in modern anesthesia. I. S. Zhorov, G. A. Lukin-Butenko, V. A. Mikhel'son. Khirurgiia 40 no. 2:141-145 F '64

VOROB'EV, IL'IA GRIGOR'EVICH

With a hero of Tsushima. G. Bazekin. Sov. voin 44 no. 24:29 D '62.

VORONEZH—CORN AS FEED

Preparing earcorn and corncobs for forage mixtures. V. Popov Muk.-elev. prom. 30 no. 2:9 F '64

VORONEZH—FEED MILLS

Preparing earcorn and corncobs for forage mixtures V Popov. Muk.-elev. prom. 30 no 2:9 F '64

VORONEZH—MUNICIPAL SERVICES

Urgent problems of building development. Zhil-kom khoz 13 no 9 35 S '63

VORONEZH PROVINCE—AGRICULTURE—FINANCE

Give more attention to collective and state farms A. Rogulin. Den. i kred 22 no 6 52-56 Je '64.

VORONEZH PROVINCE—BANKS AND BANKING

Give more attention to collective and state farms. A. Rogulin. Den. i kred. 22 no 6:52-56 Je '64.

VORONEZH PROVINCE—BRUCELLOSIS IN CATTLE

Controlling brucellosis in cattle on the farms of Voronezh Province V T Kotov, B T. Artemov Zap. Vor. sel'-khoz inst 17 no 2 3-13 '62

VORONEZH PROVINCE—CATTLE—DISEASES AND PESTS

Alimentary osteodystrophies of cattle in Voronezh Province. N Z Obzhorin Zap Vor sel'khoz inst 17 no. 2 123-137 '62

VORONEZH PROVINCE—DISABILITY EVALUATION

Line of reasoning of a specialist physician I Kuznetsov. Sots obesp. 25 no 5 26-27 My '64

VORONEZH PROVINCE—GEOGRAPHY—STUDY AND TEACHING

Some methods for the stimulation of the teaching of geography in schools; from the practice of Voronezh Province teachers. A. I. Perfil'ev. Izv [illegible]

[illegible] NIKOLAEVICH, 1760-1814
[illegible] I.F.Bavskii [illegible] '64

[illegible]—HALF
[illegible] in the forest steppe oak [illegible] F. [illegible] Vest. LGU [illegible]

[illegible]
[illegible] G.F.L[illegible] [illegible] '60.

[illegible]
[illegible]

VULCANIZATION
[illegible] activation of rubber [illegible] Khim prom [Ukr.] no 1 33-33 [illegible]

[illegible] carbon black on the vulcanization [illegible] of vulcanizates G N Bulko, [illegible] Kauch i rez 23 no 4 10-15 Ap [illegible]

[illegible] of resin mixtures on the [illegible] with alkyl phenol formaldehyde [illegible] M [illegible], I. L. Levtin, A G Shvarts Kauch i rez 23 no 4 15-17 Ap '64

[illegible] of shaper-vulcanizers for tire [illegible] I M Kapergha, [illegible] Sergeeva Kauch i rez 23 no 4 [illegible] Ap '64

WAGES
[illegible], I.G. [Wages under socialism, a lecture] Zarabotnaia plata pri sotsializme, lektsiia. [Moskva] Izd-vo [illegible], [illegible] 41 p.
([illegible])

Kapel'skii, I. E. [Work incentives] Stimuly truda. Moskva, Sovetskaia Rossiia, 1963. 78 p (Resheniia XXII s"ezda KPSS - v zhizn'!)
(MLU)

[illegible] Mirovaia ekonomika i mezhdunar [illegible]

[illegible] the differentiation [illegible] 7 21-30 Jl [illegible]

WAGES—COAL MINERS
(see also subdivision under Donets Basin)

[illegible] Sov shakht [illegible] Ja '63

Consultation. Sov.shakht. 12 no.9 38-39 S '63.

[illegible] response to the article by IU M Rubinskii "[illegible] forms of brigade organization of work and payment according to finished work in mine stopes." P M Tararyko, V A Lesnykh Ugol' Ukr 8 no 4 54 Ap '64

[illegible] organization in mines. V.V.Finagin. [illegible] '64

WAGES—HOUSING
Emel'ianov, N.M. [Organization of wages in housing administration] Organizatsiia zarabotnoi platy v zhilishchno-kommunal'nom khoziaistve. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 134 p.

WAGES—PETROLEUM WORKERS
[illegible] of labor for drilling crews in [illegible] V.D.Shaal [illegible] Neft.khoz. [illegible]

WAGES—RESEARCH
Methods for measuring and analyzing regional differences in real wages N P Falinovskii Izv SO AN SSSR no 9 Ser obshchestv nauk no 3:45-52 '63

WAGES—STOCK AND STOCKBREEDING
Improve wages for stockbreeding workers. V.Konovalov. Ekon sel'khoz 35 no.1 75-81 Ja '64.

WAGES AND LABOR PRODUCTIVITY
N. V. Delektorskii's "Organization and planning of labor and wages of chemical enterprises." M.F.Naumenko. Khim.prom. no.4 310-311 Ap '64.

WAR
Correlation of necessity and chance in war. N.Sbytov, K.Spirov. Komm.Vooruzh.Sil 4 no.19 90-92 O '63.

WAR AND CIVILIZATION
Militarism against science. I.Grishanko. Nov vrem. 21 no 28,10-12 Jl '64.

WAR AND COMMUNISM
Correlation of war and socialist revolution. V.Tikhonenko Komm.Vooruzh Sil 4 no.13:55-62 Jl '64.

General line of Soviet foreign policy. V.Vershinin. Komm.Vooruzh.Sil 4 no.19:8-16 O '63.

WAR IN LITERATURE
Soviet war fiction N.IA Galai Mat i soob Isal otd Inst po Izuch SSSR no 49 89-96 '63

WASHING POWDERS
Synthetics in the laundry R Mezhlumova Zhil -kom khoz [illegible] no 10 31-32 O '63

WASPS—PARASITES see Parasites—Wasps

WASTE PRODUCTS
Distillation of sodium and potassium from industrial wastes A.P.Sachko Zhur prikl khim 37 no 5: 1116-1119 My '64.

WATER
(see also subdivision under Georgia)
Application of infrared spectroscopy for the study of the reaction of water with the surface of aluminum oxide A.V.Uvarov Zhur fiz.khim 36 no 6:1346-1349 Je '62

Determination of the temperature dependence of water activation energy L.O.Meleshko. Krist.zhid. no.2: 46-52 '63

Sixth International Conference on the Properties of Water and Water Vapor Teploenergetika 10 no 10 75 O '63

WATER—ANALYSIS see subdivision under Ol'khovatka region (Voronezh Province)

WATER—COMPOSITION
(see also subdivision under Desna River; Nyukhcha River, Samarkand Province, Sorokskaya Bay)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. [Determination of sodium and potassium ions in natural waters by the method of flame photometry, methodological instructions] Opredelenie ionov natriia i kaliia v prirodnykh vodakh metodom fotometrii plameni; metodicheskie ukazaniia. Moskva, 1962. 16 p.
[MICROFILM]

WATER—FLUORIDATION
Fluorindation of drinking water. R.N.Budrin, V.I. Krivonogov. Trudy GISI no.40 10-17 '61.

WATER—MICROBIOLOGY
Comparative study of the methods for indicating the pathogenic enteric microbes in the water T.V Starovoitova Lab delo no 6,363-364 '64.

Method of growing and coagulation for the detection of enteric bacteria in the water E G.Vainberg Lab. delo no.6 361-362 '64.

WATER—OPTICAL PROPERTIES
Radiative capacity of water in the infrared spectral region M A Bramson, I.L Zel'manovich, G.I Kuleshova. Trudy GGO no 152 31-67 '64

WATER—OXYGEN CONTENT see subdivision under Indian Ocean; Sevan, Lake

WATER—POLLUTION see subdivision under Kama Valley; Perm Province; Sverdlovsk Province; Volchikha Reservoir

WATER—PURIFICATION
(see also subdivision under *Chelyabinsk Province*)

New hydrobiological methods of the improvement of the quality of water and the struggle against biological hindrances in the exploitation of canals and water reservoirs S.N.Skadovskii and others. Vest.Mosk.un. Ser 6 Biol.,pochv. 18 no.3 43-46 My-Je '63

Self-purification of water from cesium-137 in bodies of water with slow circulation at different speeds and volume of *water and cesium* concentration A.L.Agre, I.V.Molchanova, N V.Timofeev-Resovskii. Biul. MOIP.Otd.biol 69 no 3:20-24 My-Je '64.

WATER, EFFECT OF RADIATION ON
Nature of the reducing particle produced by irradiation of water and aqueous solutions. V.N.Shubin. Dokl.AN SSSR 157 no 3:664-667 Jl '64

WATER, UNDERGROUND
(see also subdivision under Aral Sea region; Azerbaijan; Caucasus, Northern; Dnieper-Donets Lowland, Dnieper Valley; Kalmyk A.S.S.R.; Kuybyshev Reservoir; Lithuania; Moldavia; Molochnaya Valley; Turkmenistan; Ukraine; Ural Mountains)

Artifical reservoirs of underground water A I.Dzens-Litovskii Priroda 53 *no.7:54-58 '64.*

Calculating the level regimes of undrained raised bogs *on the basis* of meteorological data S M.Novikov. Trudy GGI no 112 5-32 '64.

Forecast of raised ground water level in a case of steady seepage from a water reservoir by the *electrodynamic* analogy method. H.A.Shneiderman. [Pratsi] Inst.geol nauk AN URSR.Ser.hidrogeol.i inzh.geol. no.9: *96-103 '63.*

Method for determining seepage on the level of ground waters on the *basis of* the observation of the moisture and temperature conditions of rocks in the aeration zone. *V.I.Lialko.* [Pratsi] Inst.geol.nauk AN URSR. Ser.hidrogeol.i inzh.geol. no.9:27-40 '63.

Methods for the determination of the interzonal *boundary of nonartesian* and artesian unidimensional movement of underground *waters in an homogeneous* layer under conditions of an inclined confining stratum. H.A. Shneiderman. [Pratsi] Inst.geol.nauk AN URSR.Ser. hidrogeol.i inzh.geol. no.9:104-110 '63.

Oil and gas pools in contact with fresh waters. V.S. Kotov, N.E.Mitin. Neftegaz.geol.i geofiz. no 11 11-16 '63.

WATER, UNDERGROUND—ANALYSIS see subdivision under Carpathian Mountain region, Vakhsh Valley

WATER, UNDERGROUND—COMPOSITION see subdivision under Moldavia

WATER BIRDS—PARASITES see Parasites—Water Birds

WATER HAMMER
"Maximum pressure increase during direct impact." V A Bulatnikov Sbor nauch trud Dnepr. inzh -stroit inst no 18 33-42 '61.

Prevention of water hammers in pipelines Transp i khran. nefti no. 3:37-38 '63.

Water hammer in Kaplan turbines. Z.K.Modebadze. Trudy Inst.energ.AN Gruz.SSR 17:15-30 '63.

WATER HEATERS
Sectional low-pressure water heating boilers manufactured in 1964. Prom.energ. 19 no.6:47-48 Je '64

Testing a water heater with an improved gas burner and with a radiator insert N M Piatyshkin A A.[illegible] Gaz prom 7 no 4 28-30 '62.

WATER LILIES
Possibilities for using the characters of the spermoderm structure for the taxonomy of Nymphaeaceae. A P Melikian Izv.AN Arm.SSR, Biol.nauki 17 no 1:71-79 Ja '64.

WATER PIPES
(see also subdivision under Virgin Territory)

Composition of species and quantitative development of macrofouling on the marine water-supply system of a metallurgical plant on the shores of the Sea of Azov I.V.Starostin, IU.E.Permitin. Trudy Inst.okean. 70 121-141 '63.

Fouling on industrial water pipelines in our southern seas and some methods of controlling it I. V. Starostin. Trudy Inst.okean. 70:101-133 '63

WATER PIPES—HYDRODYNAMICS
Sapozhnikov, M. M. [Hydraulic regularities of turbulent flow in pipes made of various materials; investigation and recommendations for calculation] Gidravlicheskie zakonomernosti turbulentnogo dvizheniia v trubakh iz razlichnykh materialov; issledovanie i raschetnye rekomendatsii. Leningrad, Stroiizdat, 1964. 100 p

WATER RESOURCES DEVELOPMENT see subdivision under Kuybyshev Reservoir; Perm Province

WATER SUPPLY
Belitskii, A.S., and V.V.Dubrovskii. [Planning exploratory-production wells for water supply] Proektirovanie razvedochno-ekspluatatsionnykh skvazhin dlia vodosnabzheniia. Moskva, Izd-vo "Nedra," 1964. 220 p.

Collaboration among a clean-water reservoir, a pumping station and reservoir towers. P.I.Plakunov. Trudy GISI no.40:3-9 '61.

Dubrovskii, V.V., ed. [Handbook on drilling and the equipment of wells for water supply] Spravochnik po bureniiu i oborudovaniiu skvazhin na vodu. [By] V.V. Dubrovskii i dr. Moskva, Nedra, 1964. 515 p.

Mamontov, K.A. [Removing iron from water in storage installations] Obezzhelezivanie vody v napornykh ustanovkakh. Izd.2., perer. Moskva, Izd-vo lit-ry po stroitel'stvu "Stroiizdat," 1964. 93 p.

Water balance of the Alazani River Basin. I.I.Merkhin, N.G.Kurdgelashvili. Trudy Inst.energ.AN Gruz.SSR 17:105-114 '63.

WATER SUPPLY, RURAL
(see also subdivision under *Ukraine*)

Babenko, I.I. [Water supply of livestock farms] Vodosnabzhenie zhivotnovodcheskikh ferm. Moskva, Izd-vo "Kolos," 1964. 286 p.

WATER-SUPPLY ENGINEERING
Towerless system of water supply with automatic control of the *operation* of the pumps of water lift no. 2. M.V Leont'ev Sbor.nauch trud.Dnepr inzh.-stroit.inst. no.18 43-56 '61.

WATER VAPOR
Special features of the transition of some substances into *water vapor*. D.G.TSkhvirashvili, V.D.Gotsiridze. Trudy Inst.energ.AN Gruz.SSR 17:239-244 '63.

WATERMELONS—DISEASES AND PESTS see subdivision under Balkhash Lake region

WATERPROOFING
Akademiia stroitel'stva [illegible] zhelezobetonnogo rezervuara; po materialam VNIIGS. Moskva, Gosstroiizdat, 1962. 11 p.
[MICROFILM]

WATERWORKS INTAKES see Intakes (Hydraulic engineering)

WATTMETER

Absolute calibration of ponderomotive wattmeters with losses. V.G.Orlov. Izm.tekh. no.5:46-48 My '64.

WAVE EQUATIONS

Nonlinear problem for a wave equation in one-dimensional space. IU.P.Samarin. Prikl.mat.i mekh 28 no.3: 542-543 My-Je '61.

WAVE EQUATIONS—BOUNDARY VALUE PROBLEMS

An inverse problem for a wave equation M.M Lavrent'ev Dokl AN SSSR 157 no 3 520-521 Jl '64

WAVE FUNCTIONS

Physical meaning of a wave function. IU P.Studnev Nek probl sovr fiz.iadra i elem chast no 1 158-160 '57.

Remarks on the physical meaning of a wave function IU.M Lomsadze. Nek probl.sovr fiz iadra i elem chast no 1 150-157 '57

WAVE GUIDES

Calculation of waveguides containing ferrite spheres using a circuit theory analysis method. V V Maslennikova. Radiotekh.i elektron 9 no.5:805-813 My '64

Contribution to the theory of contactless plungers. L.A. Vainshtein Elektron.bol'sh.moshch. no.2 83-97 '63.

Diaphragms for the H_{01} wave in a round waveguide. L.A. Vainshtein, IU.M.Petrusevich, L.A.Prozorova Elektron.bol'sh moshch no 2 98-108 '63.

Diffraction on a wide slot in a wide waveguide. B.V. Kostrov, E.I.Nefedov. Radiotekh i elektron. 9 no.4. 649-650 Ap '64

Electromagnetic waves in a ridge-type waveguide with nonuniform filling. I.I.Antakov. Radiotekh.i elektron 9 no 4.752-761 Ap '64

Energy losses in a plan curve of an optical waveguide. IU I Kaznacheev, N.K.Gorshkova, N A.Kolesnikova. Radiotekh i elektron. 9 no.6 1076-1079 Je '64.

Excitation of a beam waveguide. S.I. Baskakov. Radiotekh i elektron. 9 no 4.607-615 Ap '64.

Excitation of a plasma wave guide by a coaxial line. S.S. Kalmykova. Ukr.fiz.zhur. 9 no.2.216-218 F '64.

Ferrite sphere in a coaxial waveguide V V.Maslennikova Radiotekh.i elektron. 9 no.4 616-624 Ap '64.

Fourier method for hollow systems with complex form and anisotropic nonuniform filling. V.V Nikol'skii. Radiotekh i elektron. 9 no.4:626-633 Ap '64

Method for determining the reflection coefficient in the incidence of a H_{10} wave on a nonsymmetrical diaphragm in a rectangular waveguide IU.P Zabulotikov Radiotekh.i elektron. 9 no.4:634-642 Ap '64

Variation method for calculating periodic waveguides with losses. E.L.Kulikov. Radiotekh.i elektron 9 no.5:803-804 My '64

WAVES

Smorodinskii, IA.A. [Particles and waves] Chastitsy i volny. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, Matematika, Astronomiia, no.10)

Statistical theory of nonequilibrium processes in a plasma, making allowance for nonlinear wave interaction in kinetic equations. IU L Klimontovich Dokl.AN SSSR 157 no 3:563-565 Jl '64.

Statistical theory of the optimum reception of a packet of regular waves. F.M.Gol'tsman, Fan IUn'-Fei (Fan Yun-fei). Izv.AN SSSR.Ser.geofiz. no.7:978-989 Jl '64.

Three-dimensional problem of waves on the surface of a viscous liquid of infinite depth. A.K.Nikitin, S.A. Podrezov. Prikl.mat.i mekh. 28 no.3:452-463 My-Je '64.

WEATHER—MENTAL AND PHYSIOLOGICAL EFFECTS

Study of the effect of meteorological factors on the incidence of influenza and acute catarrhs of the upper respiratory tracts. M.A Mastenitsa and others. Trudy TomNIIVS 14:103-107 '63.

WEATHER FORECASTING

Allowing for the heat influx in temperature forecasts. A.S.Dubov. Trudy GGO no.151:41-47 '64.

Numerical algorithm for the solution of weather forecasting equations. G.I.Marchuk. Dokl.AN SSSR 156 no.2:308-311 My '64.

Numerical forecasts of cloudiness and precipitation with allowance for the transformation of the air mass. V.P.Meleshko. Trudy GGO no.151:32-40 '64.

Static control of aerological telegrams. L.S.Gandin and others. Trudy GGO no.151:3-16 '64.

WEATHERING see subdivision under Dnieper Valley

WEED CONTROL

(see also subdivision under Bet-Pak-Dala; Georgia; Kazakhstan; Moldavia; Virgin Territory)

Controlling dodder in gardens. P.G.Ruzinov. Zashch. rast.ot vred.i bol. 9 no.6:38 '64.

Effect of herbicides on weeds in cotton fields. R.Kamilova, E.G Osipova. Uzb biol.zhur. 7 no.1 65-71 '63

WEEDS see subdivision under Ordynskoye District; Ukraine

WEEVILS see subdivision under Danube Valley, Kakhetia, Mta-Tusheti region (Georgia), Tien Shan

WEEVILS—EXTERMINATION

Controlling Bruchus in the field. V A.Sanin. Zashch. rast.ot vred.i bol 9 no 6:30-31 '64.

WEIGHING MACHINES

Studying the dynamics of automatic conveyer scales. V.F. Byr'ka, V.K.Donis, IU.A.Turtanov. Nauch.trudy KNIUI no.11:192-200 '62.

WEIGHING MACHINES—TESTING

Industrial testing of an experimental sample of automatic conveyer scales. V.K.Donis, IU.A.Turtanov. Nauch. trudy KNIUI no.11:200-204 '62.

WEIGHTS AND MEASURES—STANDARDS

Development of a metric system of measures and the ways to a transition to the International Units System in the U.S.S.R. K P Shirokov Izm tekh no 4 13-16 Ap '64

WELDING—TABLES, CALCULATIONS, ETC.

Problem of inscribed and circumscribed rectangles encountered in the design of welded structures. I M. Vaisburd. Sbor.st.NIITIAZHMASHa Uralmashzavoda no.3:35-42 '61.

WELDING, ELECTRIC see Electric welding

WELLS

Khokhlovkin, D.M. [New drilling methods and new design filters for mine drainage and artesian wells] Novye sposoby bureniia i novye konstruktsii fil'trov dlia vodoponizhaiushchikh i arteziianskikh skvazhin. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 31 p. (Seriia: Tekhnologiia i ekonomika podzemnoi dobychi uglia)

[MICROFILM]

WELLS—DESIGN AND CONSTRUCTION

Belitskii, A.S., and V.V.Dubrovskii. [Planning exploratory-production wells for water supply] Proektirovanie razvedochno-ekspluatatsionnykh skvazhin dlia vodosnabzheniia. Moskva, Izd-vo "Nedra," 1964. 229 p.

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN—PHYTOGEOGRAPHY

Basic patterns of the distribution of vegetation in the southeastern part of the West Siberian Plain. A.V. Kuminova. Trudy TSSBS no.6:7-34 '63.

Phytogeographical zoning of the southeast of the West Siberian Plain. A.V.Kuminova, T.V.Vagina, E.I. Lapshina. Trudy TSSBS no.6:35-62 '63

WEST SIBERIAN PLAIN—STEPPE FLORA

Steppes of the southeast of the West Siberian Plain. A.V.Ronginskaia. Trudy TSSBS no.6:77-102 '63.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WETTING

Wetting of cellulose with liquids. D.V.Zharkovskii, S M.Emel'ianov. Vestsi AN BSSR.Ser fiz -tekh.nav. no 1 61-64 '64

WHEAT

(see also subdivision under Georgia; Karabakh Steppe; Siberia, Western)

Berdnikova, N.M., and B.P.Korchagin. [Winter wheat as the main grain] Ozimaia pshenitsa - glavnyi khleb. [Smolensk, Smolenskoe knizhnoe izd-vo, 1963] 17 p. (Propashnoi sisteme - vysokuiu agrotekhniku)
(DNAL)

Dependence of the state of water in wheat roots on nitrogen metabolism in them. L Kh.Gordon Fiziol. rast 11 no.3.457-463 '64

Depth of the placement of humus in the fallow for spring wheat. I.N Zhukov Sbor.nauch.rab.Sib nauch -issl. inst.sel'.khoz. no 6:120-121 '61.

Effect of the intensity of light during the formation period of the sexual elements of the generative organs on the accumulation of dry matter and the carbohydrate metabolism in spring wheat V.A.Kudriavtsev, V.M. Pastukhova. Trudy TSel.sel'khoz.inst. 1:79-85 '63.

International symposium on the biology of wheat in Sweden. A.S.Kruzhilin Fiziol rast 11 no.3 562-564 '64

WHEAT—ANALYSIS

Correlation among free amino acids in the grain and the straw of soft wheat. B.P.Pleshkov, E.M.Saviokaite, A.Jasaitis. Izv.TSKHA no.5:100-105 '63.

WHEAT—CLEANING see subdivision under Chelyabinsk Province

WHEAT—DISEASES AND PESTS

(see also subdivision under Omsk Province)

Development of wheat pests and diseases under the conditions of various types of plowing E E Geshele Sbor nauch rab Sib nauch -issl inst sel' khoz no 6 123-127 '61

WHEAT—FERTILIZERS AND MANURES see subdivision under Kabardino-Balkar A S.S.R

WHEAT—VARIETIES

(see also subdivision under Siberia, Siberia, Western)

Remeslo, V N [The Mironovka 264 and 808 winter wheats] Ozimaia pshenitsa Mironovskaia 264 i Mironovskaia 808. Moskva, Izd-vo "Kolos," 1964 71 p.
(DNAL)

WHEAT BREEDING

(see also subdivision under Azerbaijan)

Changing the vegetative period of spring wheat T A Pezhemskaia Sbor nauch rab Sib nauch -issl inst sel' khoz no 6 49-54 '61

WHEELS

Design of tired wheels. IU.A Ustinov. Izv.AN SSSR. Mekh.i mashinostr. no.3:127-131 My-Je '64.

WHEY AS FEED

Enrichment of whey with protein and vitamins. R.B. Davidov, L.E.Gul'ko, B.I Faingar. Izv.TSKHA no 5: 166-171 '63.

WHITE RUSSIA—AGRICULTURAL LIBRARIES

Agricultural Library of the Republic of White Russia M L.Zhuk. Biul TSentr nauch sel'khoz bibliot no.7 22-24 '61

WHITE RUSSIA—AGRICULTURE—ECONOMIC ASPECTS

Significance and effectiveness of the construction of the Black Sea - Baltic Sea water transportation connection B P Skvartsou Vestsi AN BSSR Ser fiz -tekh nav no 1 130-134 '64

WHITE RUSSIA—ARTIFICIAL INSEMINATION

Organization of artificial insemination in White Russia V G Rodionov Trudy Bel nauch -issl inst zhiv 3 61-67 '62

WHITE RUSSIA—BEEF CATTLE BREEDING

Some indices of meat productivity of the black and white and local improved cattle in White Russia O P Simonenko Trudy Bel nauch -issl inst zhiv 3 97-112 '62

WHITE RUSSIA—BOTANICAL SOCIETIES

White Russian Branch of the All-Union Botanical Society. Vestsi AN BSSR.Ser.biial.nav. no.3.137-138 '63.

WHITE RUSSIA—BUILDING MATERIALS—TRANSPORTATION

Highway transport workers of White Russia at the construction sites of chemical plants V Afanasenko. Avt.transp. 42 no.6:7-9 Je '64

WHITE RUSSIA—CATTLE—FEEDING AND FEEDS

Use of urea in fattening young cattle. K Z Keitel'man Trudy Bel nauch -issl inst zhiv 3 265-272 '62

WHITE RUSSIA—CLOVER LEAF WEEVIL

Population dynamics of the beetles Phytonomus meles F. and Phytonomus nigrirostris F. on clover. T.G.Ioannisiani. Zool.zhur. 42 no.12:1810-1816 '63.

WHITE RUSSIA—CONSTRUCTION INDUSTRY

The new opens the way. V.Brazgovka. Zhil -kom khoz. 13 no 10 9 O '63

WHITE RUSSIA—COWS—

Use of sugar beets in fe

[illegible]
(Continued)

Krivitskii, A. IU. [Red date on the calendar; documentary story] Krasnoe chislo v kalendare, dokumental'nyi rasskaz. Moskva, Sovetskaia Rossiia, 1963. 175 p.
(NIC)

Kuznetsov, A. A. [Through smoke and flame; diaries from the front, stories] Skvoz' dym i plamen', frontovye dnevniki, rasskazy. [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1963. 206 p.

Ponochevnyi, F. M. [On the edge of Soviet soil] Na kraiu zemli sovetskoi. Moskva, Voenizdat, 1964. 223 p. (Voennye memuary)

Sadilenko, A. M. [Front after front; partisan stories. As told to L Shap] Za frontom, front; partizanskie byli. Literaturnaia zapis' L. Shapa. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 190 p.
(MH)

They did not surrender. Z. Shekhtman. Sov. voin 46 no. 13 45 Jl '64.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN

The National Committee "Free Germany" N. Bernikov Voen -ist zhur. 5 no 7:111-116 Jl '63

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

In the fire of the people's war. A. Bardadyn. Voen. -ist. zhur. 5 no. 7:106-107 Jl '63.

WORMS—EGGS

Effect of some abiotic environmental factors on the developmental rate and the survival of eggs of Heterakis gallinarum under natural conditions. M. E. Savchenko. Zool. zhur. 42 no. 12:1869-1870 '63.

WORMS, INTESTINAL AND PARASITIC

Helminth fauna of horses in southeastern Kazakhstan I S Dement'ev, M Sh Utepov Paraz sel'khoz. zhiv Kazakh 3:151-154 '64

Helminth infestation of cattle imported from China and Mongolia O. S. Karamendin Paraz. sel'khoz zhiv Kazakh. 3 128-131 '64.

Helminths of domestic and wild swine in East Kazakhstan Province V A. Shol' Paraz. sel'khoz. zhiv. Kazakh. 3 143-146 '64

Helminths of sheep and goats in eastern Kazakhstan N A. Gubaidulin Paraz sel'khoz zhiv Kazakh 3 117-127 '64.

Infestation of ducks with helminths as related to the type of reservoirs in the Virgin Territory. Kh. I Egizbaeva Paraz sel'khoz. zhiv. Kazakh 3 154-162 '64

Supplement to the helminth fauna of domestic ducks and geese in the Virgin Territory Kh I Egizbaeva Paraz sel'khoz zhiv Kazakh 3 162-166 '64

Testing method of group vermifugal treatment of sheep infected with intestinal helminthiases using sodium fluosilicate A. I. Chubis Vest sel'khoz. nauki [Kazakh.] 7 no 6 70-76 Je '64.

Zoogeographical characteristics on the helminth fauna of sheep and cattle in eastern Kazakhstan O. S. Karamendin, N A Gubaidulin Paraz sel'khoz zhiv Kazakh 3 136-142 '64

WORMS, INTESTINAL AND PARASITIC—HOST ANIMALS

see subdivision under Kirghizistan

WUSTITE—ANALYSIS

Formation of wustite during low-temperature reduction of hematite and magnetite. K. N Potenkin Izv AN SSSR. Met i gor. delo no. 3:17-21 My-Je '64

WYOMING—PETROLEUM PRODUCTION—IN-SITU COMBUSTION

Use of in-situ combustion in the Shannon pool. Neftepromn. delo no. 1:34-38 '63.

X-RAY CRYSTALLOGRAPHY

Widening of roentgen lines due to the effect of secondary extinction A. V. Kuznetsov Kristallografiia 8 no. 1: 102-104 Ja-F '63.

X-RAY DIFFRACTION EXAMINATION

Magnetic susceptibility of certain $A^{III}B^{V}$ type semiconducting compounds as shown by X-ray diffraction analysis data M M Aliakhnovich Vestsi AN BSSR Ser fiz -tekh. nav no 1 35-43 '64

X-ray analysis of hemoglobin. M F. Perutz. Biofizika 9 no. 1,3-12 '64.

X-ray diffraction measurements of certain substituted anthraquinones. G. A. Gol'der, L. A. Chetkina. Kristallografiia 8 no. 1:104-105 Ja-F '63.

X-ray diffraction study of fluoride films on aluminum. N. S. Fedorova. Zhur. fiz. khim. 37 no. 4:883-885 Ap '63.

X-ray diffraction study of pepsin. V. V. Borisov and others. Dokl. AN SSSR 156 no. 2 363-364 My '64.

X-ray diffraction study of strontium-bismuth titanates in a wide range of temperatures. K. V. Kiseleva. Kristallografiia 8 no. 1:105-107 Ja-F '63.

X-ray diffraction study to determine the structure of hydrochloric phenylalanine. B. K. Vainshtein, G V. Gurskaia. Dokl. AN SSSR 156 no. 2 312-314 My '64.

X-RAY SPECTROSCOPY

Structure of X-ray $K\beta_5$-emission bands of titanium in oxides ($TiO_{0,85}$-$Ti_{1,20}$). E. E Vainshtein, V. I. Chirkov. Dokl. AN SSSR 157 no 2 388-391 Jl '64.

X RAYS—EQUIPMENT AND SUPPLIES

Apparatus for the microphotometry of X-ray films. I L Rudakov Zap Vor sel'khoz inst 17 no 2 267-269 '62

X RAYS—INDUSTRIAL APPLICATIONS

Gorazdovskii, T. IA. [Nondestructive testing of metals; physical means of providing reliability] Nerazrushaiushchii kontrol' metallov; fizicheskie sredstva obespecheniia nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 12)

X RAYS—PHYSIOLOGICAL EFFECT

Changes in cardiac activity during different age periods in rats with lesions of some sections of the brain. T. P. Shliafer. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:511-513 '63.

Effect of preliminary irradiation on the radioresistance of nonlinebred rats. S. P. Vlasenko, E. L. Shakhnazarian. Izv. AN Arm. SSR. Biol. nauki 17 no 1:37-40 Ja '64.

Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3:133-144 '63.

Effect of the temperature factor on the DNA content in the macronucleus of Paramecium caudatum irradiated with

YAKUTIA—HISTORY

The formation of the YAkut A [illegible]
Korzhikhina. Ist. SSSR [illegible]

YAKUTIA—INDIUM

Ivanov, V. V. [Mineralogical [illegible] istics and indium potential [illegible] tia] Mineralogo-geokhimicheskie [illegible] olovorudnykh mestorozhdenii [illegible] "Nauka," 1964. 260 p.

YAKUTIA—TIN ORES

Ivanov, V. V. [Mineralogical [illegible] istics and indium potential [illegible] tia] Mineralogo-geokhimicheskie [illegible] olovorudnykh mestorozhdenii [illegible] "Nauka," 1964. 260 p.

YALANGACH (TASHKENT PROVINCE [illegible]

Health resort and climatological [illegible] sis in the Yalangach Sanato[illegible] Ovcharova. Sbor. trud [illegible] fizioter. 17:131-134 [illegible]

YAROSLAVL—MOTORCYCLE RAC[illegible]

When one limits himself [illegible] Voen. znan. 40 no. [illegible]

YAROSLAVL—STATE FARMS

Results of developing a general [illegible] V. Maiov. Sel'. stroi. [illegible]

YAROSLAVL PROVINCE—ANTIQUITIES

IAroslavskii muzei-zapovednik. [illegible] of the Volga Valley in the 10-11th [illegible] materials of the Timerevo, Mi[illegible] Petrovskoye burial mounds] IA[illegible] X-XI vv.; po materialam Timerevskogo [illegible] i Petrovskogo mogil'nikov. [illegible] Moskva, GIM, 1963. 143 p. [illegible]

YAROSLAVL PROVINCE—DISABILITY [illegible]

Disability evaluation committee [illegible] staff. A. Sivakov Sots. obes. [illegible] '64

YAROSLAVL PROVINCE—MOUNDS

IAroslavskii muzei-zapovednik. [illegible] of the Volga Valley in the 10-11th [illegible] the materials of the Timerevo [illegible] Petrovskoye burial mounds] IA[illegible] X-XI vv.; po materialam Timerevskogo [illegible] i Petrovskogo mogil'nikov. [illegible] Moskva, GIM, 1963. 143 p. [illegible]

YAROSLAVL PROVINCE—MUNICIPAL [illegible]

Valuable initiative of the Yaroslav[illegible] khoz 13 no. 9.4 S '63.

YASINYA REGION (TRANSCARPATHIAN [illegible]

Primrose Primula farinosa L. [illegible] Ukrainian flora. S. M. Zyman [illegible] no 3:91-92 '64.

YATVYAGS

Dainavà is a name of one of the [illegible] Otrebski. Vop. slav. iaz. no [illegible]

YEAST

[illegible]

Structure of the wood of Schrenk spruce. A.D Shevchenko Vest sel'khoz nauki [Kazakh] 7 no 6 100-104 Je '64

WOOD—CHEMISTRY

Determining the hydroxyl group of lignin by the Verley method. B.D.Bogomolov, E.D.Gel'fand, M.F. Berenzon. Izv.vys.ucheb.zav., les.zhur. 6 no.6: 152-155 '63.

Joint combustion in boiler furnaces of wood waste and low-calorie generator gas. A.I.Egorov, I.F.Koperin. Izv.vys.ucheb.zav.; les zhur. 6 no.6:129-134 '63.

Speeding up the construction of experimental sections and machines. A.F Shutov Gidroliz.i lesokhim prom. 17 no.4:1-2 '64.

Technology of the production of paper for everyday hygienic use. S.N.Ivanov, I.G.Leshchenko. Izv. vys.ucheb.zav., les.zhur. 6 no.6 135-141 '63.

Thirty-sixth Session of the Scientific Council of the Central Wood-Chemical Scientific Research Institute K.V.Lozhikova. Gidroliz.i lesokhim.prom 17 no.4:30-31 '64

WOOD—CHEMISTRY—BIBLIOGRAPHY see Bibliography—Wood—Chemistry

WOOD—PRESERVATION

Type of distribution of experimental data characterizing the rot resistance of lumber. D.A.Belenkov. Izv.vys. ucheb.zav.; les.zhur. 6 no.6;111-116 '63.

WOOD—TESTING

Necessity of reviewing the standardized methods of selecting the model trees for wood testing. A.V. Tekhneriadov. Izv.vys.ucheb.zav., les.zhur. 6 no.6:109-110 '63.

WOOD, COMPRESSED

Wood pressing shop. A.U.Margules. Mashinostroitel' no.4 38 Ap '64.

WOOD CARVING, UKRAINIAN

History of the artistic woodcarving in the Ukraine; from the fifth century B.C. to the 12th century A.D. A.F. Hudzan. Mat.z etn.ta mystetstvoznav. no.6:58-66 '61.

WOOD-DECAYING FUNGI—BIOLOGICAL CONTROL

Type of distribution of experimental data characterizing the rot resistance of lumber. D.A.Belenkov. Izv.vys. ucheb.zav., les.zhur. 6 no.6:111-116 '63.

WOOD FINISHING

Ivanov, N.A., and E.IA.Shvarts. [Wood finishing with polyvinyl chloride films] Otdelka drevesiny plenkami PVKh. Leningrad, 1963. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Primenenie plastmass, sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii, no.6)

Textbook on the technology of wood finishing. A.E.Razzhivin. Der.prom. 13 no.3:29 Mr '64.

WOOD-STAINING FUNGI

House fungi and the fight against them M Akhremovich Zhil -kom.khoz 13 no 10.33-34 O '63

WOOD TAR

Presence of anthracene in neutral oils of gas-producer settled tar obtained in the gasification of conifer wood. V.P.Kozlov, D.V.Tishchenko. Zhur.prikl.khim. 37 no.5:1168 My '64.

Technology of the preparation of raw wood tar for processing. D.I.Chetverikov, E.A.Plekhanova. Gidroliz. i lesokhim.prom. 17 no.4:25-27 '64.

WOOD-USING INDUSTRIES

Plenum of the Central Administration of the Scientific Technological Department. Der.prom. 13 no.3:27-28 Mr '64.

WOOD WASTE

Sviatkov, S.N., and E.K.Gromtsev. [Universal exhaust apparatus with a new collector of the "chandelier" type] Universal'naia eksgausternaia ustanovka s novym kollektorom tipa "liustra." Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

WOOD WASTE—ELECTRIC PROPERTIES

Dielectric properties of crushed wood wastes. S.Jonaitis. Trudy AN Lit.SSR.Ser.B no.1:223-227 '64.

WOODPULP INDUSTRY

Moscow. TSentral'nyi nauchno-issledovatel'skii institut [illegible]

36 p. (Bumaga i tselliuloza)

[MICROFILM]

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Silant'ev, V.A. [Hydrocyclones for cleaning woodpulp] Gidrotsiklony dlia ochistki massy. Moskva, TSentr. in-t tekhn.informatsii i ekon. issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 20 p. (Bumaga i tselliuloza)

[MICROFILM]

WOODWORK

[Manual on woodworking] Spravochnik po derevoobrabotke. Moskva, Goslesbumizdat, 1963. 544 p.

WOODWORK—STUDY AND TEACHING

Kibal'nikov, V.G. [Methodological elaboration of the subject "Design and technology of manufacturing basic wooden articles and furniture"] Metodicheskaia razrabotka temy:"Konstruktsiia i tekhnologiia izgotovleniia osnovnykh stoliarnykh izdelii i mebeli." Moskva, Vysshaia shkola, 1964. 51 p.

WOODWORK (MANUAL TRAINING)—EQUIPMENT AND SUPPLIES

Circle cutter. K.Gorbatov. Shkola i proizv. 8 no.5: 86 My '64.

WOODWORKERS

Kogan, E.I. [Safety engineering in carpentry and cabinet work] Tekhnika bezopasnosti pri plotnichnykh i stoliarnykh rabotakh. Moskva, Transport, 1964. 45 p. (Tekhnika bezopasnosti na avtotransporte)

WOODWORKING INDUSTRIES

Grube, A.E., and V.I.Sanev. [Automation of the machining of parts in the woodworking industries] Avtomatizatsiia stanochnoi obrabotki detalei v derevoobrabatyvaiushchei promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 540 p.

WOODWORKING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Woodworking industries

WOODWORKING INDUSTRIES—EQUIPMENT AND SUPPLIES

Sviatkov, S.N., and E.K.Gromtsev. [Universal exhaust apparatus with a new collector of the "chandelier" type] Universal'naia eksgausternaia ustanovka s novym kollektorom tipa "liustra." Leningrad, 1964. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

WOODWORKING MACHINERY

(see also subdivision under Moscow)

[Manual on woodworking] Spravochnik po derevoobrabotke. Moskva, Goslesbumizdat, 1963. 544 p.

Vashchev, N.V. [Apparatus for adjusting woodworking machinery for size] Pribor dlia nastroiki derevoobrabatyvaiushchikh stankov na razmer. Leningrad, 1964. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovoi proizvodstvennyi opyt. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

WOODY PLANTS

(see also subdivision under Batum; Latvia; Sverdlovsk; Siberia)

A valuable monograph. P.I.Voichal'. Izv.vys.ucheb. zav., les.zhur. 6 no.6:171-172 '63.

WOOL—STANDARDS

[Wool] Sherst'. Izd. ofitsial'noe. Moskva [Izd-vo standartov, 1964] 54 p. (SSSR. Gosudarstvennye standarty)

WOOLEN AND WORSTED MANUFACTURE

Vorob'ev, V.A. [Calculation methods for the construction of woolen yarn and fabrics] Metod rascheta pri postroenii sherstianoi priazhi i tkani. Moskva, Izd-vo "Legkaia industriia," 1964. 162 p.

WOOLEN AND WORSTED MANUFACTURE—SAFETY MEASURES

Kozlova, M.P. [Safety measures and labor protection in enterprises of the woolen and worsted industries] Tekhnika bezopasnosti i okhrana truda na predpriiatiiakh sherstianoi promyshlennosti. Moskva, Izd-vo "Legkaia industriia," 1964. 125 p.

WORK

Ioirysh, A.I. [Your labor and communism] Tvoi trud i kommunizm. Moskva, Politizdat, 1964. 94 p.

Relation between material and moral stimuli to work in the period of the large-scale building of communism. V.K.Kiselev. Nauch.dokl.vys.shkoly; filos.nauki 7 no.2:29-36 '64.

Significance of signal stimuli for human muscular work capacity. Report No.2: Characteristics of conditioned reflexes related to various work stages. O.V.Osipova. Nerv.sist. no.3:167-176 '62.

Some aspects relating to the development of theoretical principles of work physiology. M.I.Vinogradov and others. Nerv.sist. no.3:145-151 '62.

Study of human muscular work capacity by the method of creation of a weak excitation focus. L.P Pavlova. Nerv.sist. no.3:160-166 '62.

WORK AND WORKERS IN ART

Nikiforov, B.M. [Theme of work in Soviet art] Tema truda v sovetskom iskusstve. Moskva, Iskusstvo, 1964. 44 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

WORLD FEDERATION OF TRADE UNIONS

Present situation of the trade unions in the U.S.S.R., based on materials of trade union congresses I S Gaenko Mat i soob Inst otd Inst po izuch SSSR no 53/54 33-52 Ja-F '64

WORLD POLITICS

Current problems of world politics Mir ekon i mezhdunar otn. no 7 64-86 '64

"From Yalta to disarmament; cold war debate" [in English] by J.P.Morray. Reviewed by V.V.Irinin. Ist. SSSR 7 no.2 205-208 Mr-Ap '63.

International notes Nov vrem 21 no 25 21-22 Je '64

International notes. Nov.vrem. 21 no.26 20-22 Je '64.

International notes Nov vrem. 21 no 27 22-23 Je '64.

International notes. Nov vrem. 21 no.28 25-26 Jl '64.

Lesson of history A Berezkin Kommunist 41 no 11-131-139 Jl '64

Maslennikov, V.A. [Decline of the colonial system of imperialism; aid for correspondence and evening students studying the materials of the 22d Congress of the CPSU] Raspad kolonial'noi sistemy imperializma, v pomoshch' studentam zaochnogo i vechernego obucheniia izuchaiushchim materialy XXII s"ezda KPSS. [IAroslavl'] Vysshaia shkola, 1964. 27 p.

Petrova, L.I. [Women of the world] Zhenshchiny mira. Moskva, Izd-vo "Znanie," 1964. 55 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no.12)

Uncommitted states and the struggle for peace N Pastukhov Kommunist 41 no 9:97-103 Je '64

World events Nov.vrem. 21 no 25 30 Je '64.

World events. Nov.vrem. 21 no 26 32 Je '64.

World events. Nov.vrem. 21 no.27:32 Je '64.

World events. Nov vrem. 21 no.28 32 Jl '64.

WORLD WAR, 1939-1945

(see also subdivision under Bornholm Island, Bulgaria, Czechoslovakia; Dnepropetrovsk Province, Germany, Karelia; Leningrad Province; Lithuania; Loksa, Harju District, Mongolia; Odessa; Slovakia; Sumy Province, Ukraine; White Russia)

Disgrace of the Wehrmacht M Verkhovskii Voen znan 40 no 6 46 Je '64

From the history of the effort of the Communist Party of the Soviet Union to increase labor productivity during the years of the Great Patriotic War, 1941-1945. V.F.Lisleko. Trudy MIIGAIK no.52,135-181 '62

Military and historical conference in the unit. I.Krylov. Voen.-ist zhur 5 no 7:119 Jl '63

Pavlenko, N.G., ed. [Command decisions. Translated from the English] Vazhneishie resheniia. Moskva, Voenizdat, 1964. 353 p.
CSimoR)

Strokov, A.A., ed. [The lessons of history can not be refuted] Uroki istorii neoproverzhimy. Moskva, Voenizdat, 1964. 359 p.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Sixteenth Air Force in the Battle of Kursk. S.Rudenko, P.Braiko. Voen.-ist zhur. 5 no.7:21-32 Jl '63

Without leaving the battle course. V.Beliaev. Av.i kosm. 46 no.5:90-95 My '64.

WORLD WAR, 1939-1945—CAMPAIGNS

Military calendar Voen znan. 40 no 6:48 Je '64.

On Bryansk soil I.Kuzovkov Voen znan 40 no.6:11 Je '64

Terekhov, A.F., M.P.Skirdo, and A.K.Mironov. [The Taman' Guards Division] Gvardeiskaia,Tamanskaia. Moskva, Voenizdat, 1964. 203 p.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

History of the reception and accommodation of evacuated enterprises and population in Kazakhstan K.IU.Orazov. Vest.AN Kazakh.SSR 19 no 6 12-19 Je '63.

WORLD WAR, 1939-1945—HISTORIOGRAPHY

Akademiia nauk SSSR. Institut istorii. [Against the falsification of the history of the Second World War; collected articles] Protiv fal'sifikatsii istorii Vtoroi Mirovoi voiny; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 397 p.

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

Courage conquers. V.Abolentseva. Tekh.i vooruzh. no.6:14-15 Je '64.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Bobr'onok, S.T. [Song about military friends; sketch] Pisnia pro boiovykh podruh; narysy. [Kyiv, Vyd-vo "Molod'," 1964] 238 p.

Borisov, B.A. [Notes of a secretary of a city committee] Zapiski sekretaria gorkoma. Moskva, Politizdat, 1964. 303 p.

Guliaev, V.G. [Man in armor] Chelovek v brone. Moskva, Voenizdat, 1964. 150 p. (Voennye memuary)

WORLD WAR, 1939-1945—PERSONAL NARRATIVES
[illegible]

[illegible] [illegible] calendar, documen-[illegible] kaia, [illegible] 1963 175 p
[illegible]

[illegible], A. A. [illegible] smoke and flame, diaries [illegible] frontovye [illegible] [Iaroslavskoe knizhnoe [illegible]] [illegible]

[illegible], F. M. [illegible] edge of S[illegible] 1964. 223 p. ([illegible]ary)

[illegible], A. M. [Front after front, partisan stories [illegible]] Za frontom, front, partizanskie [illegible] IUzhno-Sakhalinsk, [illegible] izd-vo, 1963 190 p
(MIR)
[illegible]

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN
[illegible] Germany [illegible] Berniko [illegible] 7 111-11 Jl '63

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS
[illegible] Pardz[illegible] Voen -ist [illegible] 7 1[illegible] Jl '63

WORMS—EGGS
Effect of some [illegible] environmental factors on the de[illegible] and the survival of eggs of Heterakis ga[illegible]num under natural conditions. M. E. Savchenko. Zool. zhur. 42 no 12 1860-1870 '63.

WORMS, INTESTINAL AND PARASITIC
He[illegible] in northeastern Kazakhstan [illegible] Paraz sel'khoz zhiv Kazakh [illegible] 171-173 '64

Helm[illegible] of [illegible] imported from China and [illegible] Paraz sel'khoz zhiv Kazakh [illegible] '64

H[illegible] of domestic and wild swine in East Kazakhstan [illegible] V. A. [illegible] Paraz sel'khoz zhiv Kazakh 3 143 [illegible] '64

He[illegible] of sheep and goats in eastern Kazakhstan N. A. [illegible] Paraz sel'khoz zhiv Kazakh 3 117-127 '64

Infestation of [illegible] with helminths as related to the type [illegible] in the Virgin Territory Kh I Egizbaeva Paraz sel'khoz zhiv Kazakh 3 154-162 '64

S[illegible] on the helminth fauna of domestic ducks and geese in the Virgin Territory Kh I Egizbaeva Paraz sel'khoz zhiv Kazakh 3 163-165 '64

Testing method of group vermifugal treatment of sheep infected with intestinal helminthiases using sodium f[illegible] A I C[illegible] Vest sel'khoz nauki [Kazakh.] 7 no 6 70-7[illegible] Je '64

Zo[illegible]geographical characteristics on the helminth fauna of sheep and cattle in eastern Kazakhstan O S Kara-me[illegible] A Gura Julin Paraz sel'khoz zhiv Kazakh 3 13[illegible]-142 '64

WORMS, INTESTINAL AND PARASITIC—HOST ANIMALS
see subdivision under Kirghizistan

WOUNDS
Medicolegal expertise concerning the mechanism of the formation of excoriations, a preliminary report V V Balae[illegible] Sud -med ekspert 7 no 2 7-11 Ap-Je '64

Some characteristics of stabbing and cutting lesions depending on the mechanism of their formation A P Zagr[illegible]skaia Sud -med ekspert 7 no 2 3-7 Ap-Je '64

WRAPPING MACHINES
Improved type KZP-1 wrapping machine. V. A. Liubarskii, A. A. Antonov Khleb i kond. prom. 6 no. 7:32-33 Jl '62

WRENCHES
New KTG pipe wrenches for screwing and unscrewing pipes in lowering and hoisting operations. G. V. Molchanov. Mash. i neft. obor. no. 11:6-7 '63.

WRENS see subdivision under Moscow Province

WRIST—WOUNDS AND INJURIES
X-ray diagnosis of the traumatic injuries of wrist bones N A Dekanozishvili Soob AN Gruz SSR 31 no 3 749-755 S '63

WRITING—MATERIALS AND INSTRUMENTS
Ostanovskii, T. S. [School writing materials, office supplies, and toys] Shkol'no-pis'mennye, kantseliarskie tovary i igrushki. Moskva, Ekonomika, 1964. 190 p.

WROUGHT IRON
Mechanical properties of weld iron of an old bridge. M. Jankauskas. Trudy AN Lit. SSR, Ser. B no. 1:217-222 '64.

WUSTITE—ANALYSIS
Formation of wustite during low-temperature reduction of hematite and magnetite K. N Potenkin Izv. AN SSSR Met i gor. delo no 3,17-21 My-Je '64.

WYOMING—PETROLEUM PRODUCTION—IN-SITU COMBUSTION
Use of in-situ combustion in the Shannon pool. Neftepróm. delo no. 1:34-38 '63.

X-RAY CRYSTALLOGRAPHY
Widening of roentgen lines due to the effect of secondary extinction. A. V. Kuznetsov. Kristallografiia 8 no. 1: 102-104 Ja-F '63.

X-RAY DIFFRACTION EXAMINATION
Magnetic susceptibility of certain $A^{III}B^{V}$ type semiconducting compounds as shown by X-ray diffraction analysis data M M Aliakhrovich Vestsi AN BSSR Ser fiz -tekh nav no 1 35-43 '64

X-ray analysis of hemoglobin. M. F. Perutz. Biofizika 9 no. 1 3-12 '64

X-ray diffraction measurements of certain substituted anthraquinones. G A. Gol'der, L. A. Chetkina. Kristallografiia 8 no 1,104-105 Ja-F '63.

X-ray diffraction study of fluoride films on aluminum. N. S. Fedorova. Zhur. fiz khim. 37 no. 4:883-885 Ap '63.

X-ray diffraction study of pepsin. V. V. Borisov and others Dokl AN SSSR 156 no 2·363-364 My '64.

X-ray diffraction study of strontium-bismuth titanates in a wide range of temperatures. K. V. Kiseleva. Kristallografiia 8 no 1:105-107 Ja-F '63.

X-ray diffraction study to determine the structure of hydrochloric phenylalanine. B. K. Vainshtein, G. V. Gurskaia. Dokl AN SSSR 156 no. 2 313-31[illegible] My '64.

X-RAY SPECTROSCOPY
Structure of X-ray K_{β_5}-emission bands of titanium in oxides ($TiO_{0,85}$- $Ti_{1,20}$). E. E. Vainshtein, V. I. Chirkov. Dokl AN SSSR 157 no. 2:388-391 Jl '64.

X RAYS—EQUIPMENT AND SUPPLIES
Apparatus for the microphotometry of X-ray films I. L. Rudakov Zap Vor sel'khoz inst 17 no 2·267-269 '62

X RAYS—INDUSTRIAL APPLICATIONS
Gorazdovskii, T. IA. [Nondestructive testing of metals; physical means of providing reliability] Nerazrushaiushchii kontrol' metallov, fizicheskie sredstva obespecheniia nadezhnosti. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 12)

X RAYS—PHYSIOLOGICAL EFFECT
Changes in cardiac activity during different age periods in rats with lesions of some sections of the brain. T. P. Shliafer. Trudy Inst. klin. i eksper. kard. AN Gruz SSR 8:511-513 '63.

Effect of preliminary irradiation on the radioresistance of nonlinebred rats. S. P Vlasenko, F. L. Shakhnazarian. Izv. AN Arm. SSR, Biol nauki 17 no. 1:37-40 Ja '64.

Effect of temperature on the digestive function of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3:133-144 '63.

Effect of the temperature factor on the DNA content in the macronucleus of Paramecium caudatum irradiated with X-rays. N. E. Kovaleva. Sbor. rab. Inst. tsit. no. 3:123-132 '63.

Effect of whole-body X-ray irradiation on the nucleotide composition of DNA in the spleen and small intestines of rats. V. E. Komar Radiobiologiia 3 no. 6:815-819 '63.

Effect of X rays on the reproduction of smallpox vaccine virus in tissue culture. L. A. Kam Jian, R. A. Ter-Pogosian. Radiobiologiia 3 no. 6,855-857 '63.

Nuclein metabolism during regeneration of the skeletal musculature under various conditions of x-irradiation [with summary in English]. E. V. Dmitrieva. Arkh. anat., gist. i embr. 44 no. 6:40-47 Je '63.

Relative biological effectiveness of gamma rays as compared with the action of X rays on the human cell nucleus in tissue culture N. P. Dubinin, L. G. Dubinina. Radiobiologiia 3 no. 6,833-846 '63.

Structure of lips and mucous membrane of the oral cavity in little rabbits under the influence of radiation L. N. Chelidze. Soob. AN Gruz. SSR 31 no. 2:455-462 Ag '63.

X RAYS—THERAPEUTIC USE
Late results of treating cancer of the lower lip with X rays; according to materials of the Leningrad Province Oncological Dispensary. IA N. Bluvshtein. Vop. onk. 8 no. 10:92-96 '62.

X-ray diagnosis of the traumatic injuries of wrist bones. N. A Dekanozishvili Soob AN Gruz SSR 31 no. 3 749-755 S '63.

YAKUTIA—GAS, NATURAL—PIPELINES
Taas-Tumus -- IAkutsk -- Pokrovsk gas pipeline. N. M. Zubov. Stroi. truboprov. 8 no. 11:10-14 N '63.

YAKUTIA—HISTORY
The formation of the YAkut A. S. S. R., 19[illegible] Korzhikhina. Ist. SSSR 8 no. 1:91-10[illegible]

YAKUTIA—INDIUM
Ivanov, V. V. [Mineralogical and geochemical [illegible]istics and indium potential of the tin deposits [illegible]tia] Mineralogo-geokhimicheskie cherty [illegible] olovorudnykh mestorozhdenii IAkutii. Moskva, [illegible] "Nauka," 1964. 250 p.

YAKUTIA—TIN ORES
Ivanov, V. V. [Mineralogical and geochemical [illegible]istics and indium potential of the tin deposits [illegible]tia] Mineralogo-geokhimicheskie cherty [illegible] olovorudnykh mestorozhdenii IAkutii. Moskva, [illegible] "Nauka," 1964. 250 p.

YALANGACH (TASHKENT PROVINCE)—SANAT[illegible]
Health resort and climatological treatment [illegible]sis in the Yalangach Sanatorium (1950-[illegible] Ovcharova. Sbor. trud Uz. gos nauch. -issl. [illegible] fizioter. 17:131-134 '63

YAROSLAVL—MOTORCYCLE RACING
When one limits himself to directives [illegible] Voen. znan. 40 no 6,29-30 Je '64

YAROSLAVL—STATE FARMS
Results of developing a general plan of a state fa[illegible] V. Marov. Sel'. stroi 18 no. 10:10 [illegible] '63

YAROSLAVL PROVINCE—ANTIQUITIES
IAroslavskii muzei-zapovednik. [The Yaroslavl [illegible] of the Volga Valley in the 10-11th centuries, based on [illegible] materials of the Timerovo, Mikhailovskoye and Petrovskoye burial mounds] IAroslavskoe [illegible] X-XI vv.; po materialam Timerovskogo, Mikh[illegible] i Petrovskogo mogil'nikov. Pod red. A. P. [illegible] Moskva, GIM, 1963. 143 p. tables (insert)

YAROSLAVL PROVINCE—DISABILITY EVALUATION
Disability evaluation committees should h[illegible] staff. A. Sivakov Sots. obesp. 25 no [illegible] '64.

YAROSLAVL PROVINCE—MOUNDS
IAroslavskii muzei-zapovednik. [The Yaroslavl [illegible] of the Volga Valley in the 10-11th centuries; [illegible] the materials of the Timerovo, Mikhailovskoye [illegible] Petrovskoye burial mounds] IAroslavskoe [illegible] X-XI vv.; po materialam Timerovskogo, Mikh[illegible] i Petrovskogo mogil'nikov. Pod red. A. P. [illegible] Moskva, GIM, 1963. 143 p. tables (insert)

YAROSLAVL PROVINCE—MUNICIPAL SERVICES
Valuable initiative of the Yaroslavl people [illegible] khoz. 13 no 6:4 8 '63.

YASINYA REGION (TRANSCARPATHIA)—PRIMROSE
Primrose Primula farinosa L. as a new species [illegible] Ukrainian flora. S. M. Zyman. Ukr. bot [illegible] no. 3:91-92 '64.

YATVYAGS
Dainavă is a name of one of the Yatvyag tribes [illegible] Otrebski. Vop. slav. iaz. no. 7:3-6 '63.

YEAST
Cultivation of yeasts using the neutralization of [illegible] sulfite liquor by ammonia water. D. IA. Petel[illegible] Gidroliz. i lesokhim. prom. 17 no 4:14-15 '64

Effect of yeast content of the starting suspension [illegible] operative efficiency of the yeast separator [illegible] Kristall. Khleb. i kond. prom. 6 no. 7:12-13 [illegible]

Improving the quality of hydrolyzates for yeast production. V. S. Shoshina. Gidroliz. i lesokhim. prom. [illegible] no. 4:12-14 '64.

Kristall, Z. B. [Modern yeast separators] [illegible] drozhzhevye separatory. Moskva, TSentr. [illegible]no-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 41 p. (III Seriia: Novye mashiny, [illegible]vanie i sredstva avtomatizatsii, no. 70)
[MICROFILM]

Qualitative analysis of some characteristics of the yeast cell restoration after irradiation. V. S. [illegible] Radiobiologiia 3 no. 6:795-802 '63.

Reversions of adenineless yeasts to prototrophy [illegible] S. G. Inge-Vechtomov. Vest. LGU 19 no. 9:[illegible]

Skin allergic tests in epidermophytosis complicated and uncomplicated by yeasts. U. I. Dzhanaugurova [illegible] AN Kazakh. SSR. Ser. med. nauk 11 no. 2:71-75 '64

Species characteristics of yeast separated from [illegible] wines. F. G. Sarukhanian, I. O. Karapetian, [illegible] Movsesian. Izv. AN Arm. SSR, Biol. nauki 16 [illegible] 29 F '63.

Utilization of the head fractions of hydrolyzates for the cultivation of yeasts. A. E. Norina, O. A. [illegible]skaia, N. A. Bychkova. Gidroliz. i lesokhim. prom. [illegible] no. 4:8-12 '64.

YEAST AS FEED
Brewer's yeasts as a means for increasing [illegible] content in cow milk. V. P. Florinskii. Vest. sel'khoz. nauki [Kazakh.] 7 no. 6:87-90 Je '64.

Developing the production of fodder yeasts. A.V. Dolbnin. Gidroliz. i lesokhim.prom 17 no 4:24-25 '64.

Enrichment of whey with protein and vitamins. R.B Davidov, L.E.Gul'ko, B I.Faingar. Izv.TSKHA no.5:166-171 '63.

YEKATERINOSLAV GOVERNMENT—SOCIAL CONFLICT

From the history of class struggle in a southern Ukrainian village after the reform. A.D.Bachyns'kyi. Pratsi Od.un. 150 Zbir.stud.rob. no.6:19-26 '60.

YENISEY RIVER—ICE ON RIVERS, LAKES, ETC.

Artificial delay of ice run on the Yenisey River V A Koren'kov Priroda 53 no 7 115 '64

YEREVAN see Erivan

YESIL' DISTRICT—RURAL PLANNING

Economic hypothesis of Yesil' District. E.D.Tikhomirova, M.D.Spektor. Trudy TSel.sel'khoz.inst. 1: 17-25 '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH

(see also subdivision under China; France)

Kabo, L.R. [Point of destination is life; articles and essays] Stantsiia naznacheniia - zhizn'; stat'i i ocherki. [Moskva] Mosk. rabochii, 1964. 215 p.

Soviet youth in the sphere of the struggle between the CPSU and the Communist Party of China S.S Voronitsyn Mat i soob Issl otd Inst.po izuch.SSSR no 53/51 82-87 Ja-F '64.

YTTRIUM

Vapor pressure of solid yttrium [with summary in English]. A.A.Kruglykh, V.S.Pavlov, H.P.Tykhina'kyi. Ukr.fiz.zhur. 9 no.2:214-215 F '64.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov.lit.po IUg. nos.1, 3-5 '64.

YUGOSLAVIA—PLANT PHYSIOLOGY—RESEARCH

Visit to the plant physiologists of Yugoslavia A.L. Kursanov, M.Kh.Chailakhian Fiziol rast 11 no.3 557-561 '64

YUGOSLAVIA—POLITICS AND GOVERNMENT

Fundamental characteristics of the new Yugoslav constitution. Jovan Dordevic. Sov.gos.i. pravo 34 no.5: 130-135 My '64.

YUR'YEV-POL'SKIY (VLADIMIR PROVINCE)—DECORATION AND ORNAMENT, ARCHITECTURAL

Vagner, G.K. [Sculpture of the Vladimir-Suzdal' Principality, the city of Yur'yev-Pol'skiy] Skul'ptura Vladimiro-Suzdal'skoi Rusi, g. IUr'ev-Pol'skoi. Moskva, Izd-vo "Nauka," 1964. 163 p. illus.

ZABLUDOVSKII, PAVEL EFIMOVICH, 1894-

Pavel Efimovich Zabludovskii; on his 70th birthday. Zdrav.Ros.Feder. 8 no.5:47-48 My '64.

ZABORSKII, VLADIMIR

Obligation of Vladimir Zaborskii. A.Eliseev. Sov.voin 46 no.11:13 Je '64.

ZAILIYSKIY ALATAU see Trans-Ili Alatau

ZAKATALY REGION—POTASSIUM

Degree of the potassium supply of the tea soils of the Zakataly zone of Azerbaijan. A.K.Akhundov. Dokl. AN Azerb.SSR 20 no.3:83-86 '64.

ZAKATALY REGION—TEA—FERTILIZERS AND MANURES

Degree of the potassium supply of the tea soils of the Zakataly zone of Azerbaijan. A.K.Akhundov. Dokl. AN Azerb.SSR 20 no.3:83-86 '64.

ZAMOISKII, PETR IVANOVICH, 1896-1958

Egorov, A.A. [Petr Zamoiskii and his works] Petr Zamoiskii i ego tvorchestvo, [Moskva] Mosk. rabochii, 1964. 90 p.

ZAPOROZH'YE PROVINCE—CONCRETE PILING

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Foundations of industrial structures resting in loess on column piles with pedestals formed by blasting, experience of the Zaporozh'ye Economic Council and the Scientific Research Institute of the Organization and Mechanization of Construction Work of the Academy of Construction and Architecture of the U.S.S.R.] Fundamenty promyshlennykh sooruzhenii na zhelezobetonnykh svaiakh-stoikakh s kamufletnoi piatoi v usloviiakh lessovykh gruntov; opyt Zaporozhskogo sovnarkhoza i NIIOMSP ASiA USSR. Moskva, Gosstroiizdat, 1962. 30 p. [MICROFILM]

ZAPOROZH'YE PROVINCE—FOUNDATIONS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Foundations of industrial structures resting in loess on column piles with pedestals formed by blasting, experience of the Zaporozh'ye Economic Council and the Scientific Research Institute fo the Organization and Mechanization of Construction Work of the Academy of Construction and Architecture of the U.S.S.R.] Fundamenty promyshlennykh sooruzhenii na zhelezobetonnykh svaiakh-stoikakh s kamufletnoi piatoi v usloviiakh lessovykh gruntov, opyt Zaporozhskogo sovnarkhoza i NIIOMSP ASiA USSR. Moskva, Gosstroiizdat, 1962. 30 p. [MICROFILM]

ZAPOROZH'YE PROVINCE—GEOLOGY, STRATIGRAPHIC

Cretaceous sediments in the northeastern part of the Black Sea Lowland and Konka-Yaly Lowland. O.O. Hoizheva'kyi. Geol.zhur. 23 no.4:12-24 '63.

ZAPOROZH'YE PROVINCE—PIPELINES

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. ["Zaporozh'ye 800" installation for trenchless pipe laying using the horizontal drilling method; work practice of the Zaporozh'ye Construction Trust of the Order of Lenin] Ustanovka "Zaporozh'e-800" dlia bestransheinoi prokladki trub metodom gorizontal'nogo bureniia; iz opyta ordena Lenina tresta "Zaporozhstroi." Moskva, Gosstroiizdat, 1962. 27 p. [MICROFILM]

ZASIAD'KO, ALEKSANDR FEDOROVICH, 1910-1963

Moscow. Institut gornogo dela imeni A.A.Skochinskogo. Aleksandr Fedorovich Zasiad'ko. Moskva, 1964. 19 p.

ZATONS'KYII, VOLODYMYR PETROVYCH, 1880-1938

Morozov, V.A. Volodymyr Petrovych Zatons'kyi. Kyiv, Politvydav Ukrainy, 1964. 132 p. (Bortsi za velyku spravu)

ZAYSAN DEPRESSION—MAMMALS, FOSSIL

Remains of Eocene mammals from the Obaylinskaya series of the Zaysan Depression. L.K.Gabuniia. Trudy Inst.paleobiol.AN Gruz.SSR 7:15-26 '62.

ZERAVSHAN VALLEY—BIRDS

Abdusaliamov, I.A. [Birds of the mountainous Zeravshan Valley] Ptitsy gornogo Zeravshana. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 247 p.

ZERAVSHAN VALLEY—LANDSLIDES

Landslide on the Zeravshan River. E G Popov. Priroda 53 no.7:111-114 '64

ZEYA-BUREYA PLAIN—SEISMIC PROSPECTING

Recording composite waves and testing methods of sounding in the Zeya-Bureya intermontane depression of the Far East. B.E.Shcherbakova. Razved.i prom. geofiz. no.49:51-58 '63.

ZHELEZNIAKOV, ANATOLII GRIGOR'EVICH, 1895-1919

Military calendar. Voen.znan 40 no.6:48 Je '64

ZHIGULIN, ANATOLII

Businesslike, honestly, seriously. A.Abramov. Nov. mir 39 no.10:252-254 O '63.

ZHITOMIR PROVINCE—COLLECTIVE FARMS—INTER-FARM COOPERATION

Let us work in this year better than before. V Humyns'kyi. Sil'.bud. 12 no 12 3-4 D '62.

ZHITOMIR PROVINCE—FARM BUILDINGS

Let us work in this year better than before V Humyns'kyi Sil' bud 12 no 12 3-4 D '62

ZHITOMIR PROVINCE—METEOROLOGY, AGRICULTURAL—TABLES, ETC.

Ukraine. Upravlinnia hidrometeorologichnoi sluzhby. [Agroclimatic manual on Zhitomir Province] Agroklimatychnyi dovidnyk po Zhytomyrs'kii oblasti. Kyiv, Derzhsil'hospvydav URSR, 1959. 89 p.
(DNAL)

ZINC-CADMIUM-ANTIMONY ALLOYS—ELECTRIC PROPERTIES

Some electric properties of single crystals of the solid solutions $Zn_xCd_{1-x}Sb$. IA A.Ugai, E.M. Averbakh. Izv.AN SSSR.Ser fiz 28 no.6 1044-1047 Je '64.

ZINC-INDIUM ALLOYS see Indium-zinc alloys

ZINC-MERCURY-SELENIUM ALLOYS—ELECTRIC PROPERTIES

Structure and electric properties of the system ZnSe - HgSe. M.V.Kot, A.V.Simashkevich. Izv AN SSSR. Ser.fiz. 28 no.6 1065-1068 Je '64

ZINC PHOSPHIDE

Grinding of zinc phosphide with additions of petroleum coke. V.S.Radchenko, A.I.Poletaev, A.M.IUdin. Khim.prom. no.4:307 Ap '64.

ZINC PLATING

Electrodeposition of the indium-zinc alloy. L.S.Ionycheva, N.A.Marchenko. Mashinostroenie no.1:38-39 Ja-F '64.

ZINC TELLURIDE—MAGNETIC PROPERTIES

Magnetic susceptibility of ZnTe K.D.Tovstiuk, A.V. Savitskii. Izv.AN SSSR.Ser.fiz. 28 no.6.1051-1052 Je '64.

ZINC-TELLURIUM-MERCURY ALLOYS see Mercury-zinc-tellurium alloys

ZIRCONIUM—TESTING

Length of testing for creep and the stress-rupture strength of metals and alloys K.A.Osipov, A L Sotnichenko Izv.AN SSSR.Met i gor delo no 3:161-162 My-Je '64

ZIRCONYL PHOSPHATES

Ion-exchanging properties of zirconyl phosphate. Part 1· Dependence of the ion-exchange properties of zirconyl phosphate on the conditions of its preparation E A Materova, P A Skabichevskii Vest LGU 19 no 10 65-73 '64

Ion-exchanging properties of zirconyl phosphate Part 2· Exchange of a number of singly and doubly charged cations for hydrogen ions of zirconyl phosphate E A Materova, P.A.Skabichevskii Vest LGU 19 no 10 74-83 '64.

ZIRCONYL PHOSPHATES—ELECTRIC PROPERTIES

Electrochemical properties of zirconyl phosphate. Part 1. E.A.Materova, P.A.Skabichevskii. Zhur.fiz. khim. 38 no.3:676-680 Mr '64.

ZOOLOGICAL RESEARCH

(see also subdivision under Tajikistan)

Brief news and information. Zool.zhur. 4 1901 '63.

Monthly Index *of* Russian Accessions

Volume 17, No. 8 November 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index.* In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the ibrary of Congress may be placed with the Photoduplication Service, Library of Congress, Wash- gton, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of uments, U. S. Government Printing Office, Washington, D. C. 20402

ngle copy prices vary; subscription price, $14.00 a year domestic, $5.00 a year additional eign mailing.

L. C. card, 48-46562

---

o. 9), 1948-1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzTeS	Arizona State College, Tempe
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt–H	— The Hoover Institution on War, Revolution, and Peace
CSt–L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU–A	— University of California, Davis
CU–B	— Bancroft Library, Berkeley
CU–E	— East Asiatic Library, Berkeley
CU–M	— Medical Center, San Francisco
CU–Riv	— College of Arts, Letters and Science, Riverside
CU–S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaNBFU	University of New Brunswick, Fredericton, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOCC	Carleton College, Ottawa, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept [illegible]
CaOTR	Royal Canadian Institute, Toronto. Collection [illegible]
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY–L	— Law Library
CtY–M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI–GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN–HO	— Naval Oceanographic Office Library
DN–Ob	— Naval Observatory Library
DN–RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI–AO	— Astrophysical Laboratory Library
DSI–E	— Bureau of American Ethnology Library
DSI–M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
HU	University of Hawaii, Honolulu
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicago
ICF	Chicago Natural History Museum, Chicago
ICJ	John Crerar Library, Chicago
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago

ICU-Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN-M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana
IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IaU-L	—College of Law Library
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MShM	Mount Holyoke College, South Hadley, Mass.
MWalB	Brandeis University, Waltham, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBJ-W	—William H. Welch Medical Library
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-A	— Department of Agriculture Library, St. Paul
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NAurW	Wells College, Aurora, New York
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York

NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln
NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NcU-H	—Division of Health Affairs. (North Carolina Memorial Hospital)
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjPT	Princeton Theological Seminary, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
UPB	Brigham Young University, Provo, Utah
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown
WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 17, NO. 8 NOVEMBER 1964

TABLE OF CONTENTS

Part A—Monographic Works

Page
1. General 2793
2. Bibliography 2793
3. Philosophy & Religion 2793
4. History 2794
5. Social Sciences 2795
6. Political Science 2798
7. Law 2799
8. Education 2799
9. Music, Theater & Motion Pictures 2800
10. Fine Arts 2800
11. Language, Literature & Folklore 2801
12. Geography & Geology 2805
13. Science 2807
14. Medicine 2809
15. Agriculture 2811
16. Technology 2812
17. Military & Naval Sciences 2823

Part B—Periodicals

1. General
    a. Scholarly journals 2825
    b. Popular magazines 2828
2. Bibliography
    a. Bibliography 2829
    b. Libraries & library science 2830
    c. Printing & the book trade 2830
3. Philosophy & Religion
    a. Philosophy 2830
    b. Religion 2831
4. History
    a. General 2832
    b. Archaeology & antiquities 2833
5. Social Sciences
    a. Commerce 2833
    b. Economics 2834
    c. Finance 2835
    d. Labor 2835
    e. Sociology 2836
6. Political Science 2836
7. Law 2839
8. Education
    a. General 2840
    b. Physical education & games 2842

9. Music, Theater & Motion Pictures Page

a. Motion pictures 2843
b. Music 2843
c. Theater 2843

10. Fine Arts

a. General 2844
b. Architecture 2844

11. Language, Literature & Folklore

a. Language 2844
b. Literature & folklore 2844

12. Geography & Geology

a. Ethnology 2846
b. Geography 2847
c. Geology & paleontology 2848

13. Science

a. General 2849
b. Astronomy 2854
c. Biology 2855
d. Chemistry 2861
e. Mathematics 2867
f. Physics 2868

14. Medicine

a. General 2872
b. Gynecology, obstetrics & pediatrics 2876
c. Neurology & psychiatry 2877
d. Ophthalmology & otorhinolaryngology 2878
e. Pathology & therapeutics 2878
f. Pharmacy & materia medica 2880
g. Public health & nursing 2882
h. Surgery & dentistry 2882
i. Venereology & dermatology 2883

15. Agriculture

a. General 2883
b. Animal industry 2885
c. Forestry 2889
d. Plant culture 2889

16. Technology

a. General
b. Aeronautics
c. Chemical technology
d. Civil & construction engineering
e. Electrical engineering
f. Industries & trades
g. Mechanical engineering
h. Mining & metallurgy

17. Military & Naval Sciences

a. Military science
b. Naval science

Part C—List of Periodicals Indexed and Abbreviation
Subject Index to Monographs and Periodical

Periodicals Available in English Translation Cover-to-C

1. GENERAL

[ENCYCLOPEDIC DICTIONARY IN TWO VOLUMES] Entsiklopedicheskii slovar' v dvukh tomakh. Glav. redaktsiia: B. A. Vvedenskii i dr. [Moskva] "Sovetskaia Entsiklopediia."
Vol. 2. Maskat - IAia. [1964] 736 p.

2. BIBLIOGRAPHY

[AID FOR TRADE-UNION LIBRARIES] V pomoshch' profsoiuznym bibliotekam. [Moskva] Profizdat, 1964. 245 p.

AKADEMIIA NAUK SSSR. [Bibliography of publications, yearbook] Bibliografiia izdanii, ezhegodnik. Leningrad.
Vol. 7. Beliavskaia, O. P., and others, comps. [Publications with 1962 imprints] Izdaniia, vyshedshie iz pechati v 1962 g. Pod red. S. P. Luppova. 1964. 900 p.

AKADEMIIA NAUK SSSR. Institut Afriki. [Bibliography of Africa; pre-Revolution and Soviet literature in the Russian language, originals and translations] Bibliografiia Afriki; dorevoliutsionnaia i sovetskaia literatura na russkom iazyke, original'naia i perevodnaia. Moskva, Izd-vo "Nauka."
No. 1. 1964. 275 p.

AMITIN-SHAPIRO, Z. L. [Bibliography of Kirghizistan in four volumes] Bibliografiia Kirgizii v chetyrekh tomakh. Frunze, Gos. respubl. biblioteka Kirgizskoi SSR im. N. G. Chernyshevskogo.
Vol. 1. [Literature on Kirghizistan (1918-1924), annotated index] Literatura o Kirgizii (1918-1924), annotirovannyi ukazatel'. 1963. 317 p.

EGOROVA, N. P. [Tin plating; a lecture in the "Galvanizing" course for students in courses 3 to 5 of the technological department of the correspondence and non-correspondence section] Luzhenie; lektsiia po kursu "Gal'vanotekhnika" dlia studentov 3-5 kursov tekhnologicheskogo fakul'teta ochnogo i zaochnogo otdelenii. Moskva, Mosk. poligraficheskii in-t, 1962. 8 p.
[MICROFILM]

EVERLING, N. A. [System of the catalogues of technical libraries; methods manual] Sistema katalogov tekhnicheskikh bibliotek; metodicheskoe posobie. Moskva, Gos. publichnaia nauchno-tekhn. biblioteka SSSR, 1961. 34 p. (V pomoshch' rabotnikam tekhnicheskikh bibliotek)
(NNC)

GOR'KOVA, V. I., and T. V. MURANIVSKII. [Handbook for documentation and editing of scientific and technical literature; a manual for editors, abstractors and proofreaders] Posobie po referirovaniiu i redaktirovaniiu nauchno-tekhnicheskoi literatury; spravochnik dlia redaktorov, referentov i korrektorov. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1964. 267 p.

IANSON, K. R. [Photographing with screens of high linearity] Fotos"emka s vysokoliniaturnymi rastrami. Moskva, Vses. nauchn.-issl. in-t poligraficheskoi promyshl., 1963. 39 p. (Informatsionnye materialy. Seriia: Reproduktsionnye i formnye protsessy)

KRIUCHKOVA, L. I., and L. I. SULAKOVA. [Printing layers based on diazo compounds; review of the Soviet and foreign literature] Kopiroval'nye sloi na diazosoedineniiakh; obzor otechestvennoi i inostrannoi literatury. Pod red. E. A. Nikanchikovoi. Moskva, Vses. nauchno-issl. in-t poligraficheskoi promyshl., 1963. 27 p.

LUGOVETS, V. A. [Stitching and binding of modern foreign books, from the materials of the exhibitions of foreign books in Moscow during the period from 1956 to 1963] Broshiurovka i pereplet sovremennoi zarubezhnoi knigi; po materialam vystavok zarubezhnykh knig v Moskve 1956-1963 gg. Moskva, Vses. nauchn.-issl. in-t poligraficheskoi promyshl., 1963. 56 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Library and bibliographical classification, tables for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek. Moskva, Izd-vo "Kniga."
No. 14. [T History. Historical sciences] T Istoriia. Istoricheskie nauki.
Pt. 4. [T4 Archeology. T5 Ethnography] T4 Arkheologiia; T5 Etnografiia. 1964. 193 p.

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [The state and development of printing machinery manufacture in the U.S.S.R., principal technical and economic indices] Sostoianie i razvitie poligraficheskogo mashinostroeniia v SSSR, osnovnye tekhniko-ekonomicheskie pokazateli. Moskva, 1963. 24 p.

NESTOR, I. M. [Single-knife BRP-4 paper-cutting machine] Odnonozhevaia bumagorezal'naia mashina BRP-4. Moskva, Izd-vo "Kniga," 1964. 66 p. (Novosti poligraficheskoi tekhniki i tekhnologii)

PERGAMENT, D. A. [Method for the experimental investigation of mechanical processes (based on the example of sawing double blocks); manual for the course on the "Design of printing equipment"] Metodika eksperimental'nogo issledovaniia mekhaniki protsessov (na primere raspilivaniia blokov-dvoinikov); uchebnoe posobie po kursu "Proektirovanie poligraficheskikh mashin." Moskva, Mosk. poligr. in-t, 1962. 28 p.

SLUKHOVSKII, M. I. [From the history of Russian book culture, the Old Russian book in international cultural relations] Iz istorii knizhnoi kul'tury Rossii; starorusskaia kniga v mezhdunarodnykh kul'turnykh sviaziakh. Moskva, Prosveshchenie, 1964. 241 p.

SOLOKHINA, V. G., and IU. I. BELIAEVA. [Electrolytic method for etching screen printing plates] Elektroliticheskii sposob travleniia rastrovykh klishe. Moskva, VNIIPP, 1963. 44 p. (Informatsionnye materialy. Seriia: Reproduktsionnye i formnye protsessy)

UL'YANOVSK. OBLASTNAIA BIBLIOTEKA-DVORETS KNIGI IM. V. I. LENINA. Bibliograficheskii otdel. [Recent literature on Ul'yanovsk Province, 1961] Novaia literatura ob Ul'ianovskoi oblasti (1961 god). [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1962. 62 p.
[MICROFILM]

3. PHILOSOPHY & RELIGION

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Otdel filosofii i prava. [Perception and reality] Soznanie i deistvitel'nost'. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 93 p.

AKADEMIIA NAUK SSSR. Institut filosofii. [Formal logic and the methodology of science] Formal'naia logika i metodologiia nauki. Moskva, Izd-vo "Nauka," 1964. 299 p. (diagrs. insert)

AKADEMIIA NAUK SSSR. Institut filosofii. [Morals and religion] Nravstvennost' i religiia. Moskva, Nauka, 1964. 213 p.

AKADEMIIA NAUK SSSR. Institut filosofii. [Problems of the logic of scientific knowledge] Problemy logiki nauchnogo poznaniia. Moskva, Nauka, 1964. 408 p.

AKADEMIIA NAUK SSSR. Kafedra filosofii, Leningrad. [Problem of possibility and reality] Problema vozmozhnosti i deistvitel'nosti, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 277 p.

AZNAUROV, A. A. [Essays on the ethics of great Russian revolutionary democrats] Ocherki po etike velikikh russkikh revoliutsionnykh demokratov. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 277 p.

BULDAKOV, V. P. [They bring sorrow to people; the religious sect of "Truly Orthodox Christians"] Oni prinosiat liudiam gore; o religioznoi sekte "Istinno-pravoslavnykh khristian." Perm', Permskoe knizhnoe izd-vo, 1960. 34 p. (Bibliotechka "Razgovory po dusham")

ELISEEVA, V. S. [Work, art, science] Trud, iskusstvo, nauka. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 15)

GERASIMOVA, K. M. [Revival movement of the Buryat Lamaist clergy, 1917-1930] Obnovlencheskoe dvizhenie buriatskogo lamaistskogo dukhovenstva, 1917-1930. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 178 p.

GREKULOV, E. F. [The Orthodox inquisition in Russia] Pravoslavnaia inkvizitsiia v Rossii. Moskva, Izd-vo "Nauka," 1964. 166 p. (Nauchno-populiarnaia seriia)

KANT, IMMANUEL [Works in six volumes. Translated from the German] Sochineniia v shesti tomakh. Moskva, Izd-vo "Mysl'."
Vol. 2. 1964. 509 p. (Filosofskoe nasledie)

LARMIN, O. V. [The aesthetic ideal and the present] Esteticheskii ideal i sovremennost'. [Moskva] Izd-vo Mosk. univ., 1964. 153 p.

LEKHNER, E. A. [Interrelation between dialectical materialism and the natural sciences] Vzaimootnoshenie dialekticheskogo materializma i estestvoznaniia. Pod red. E. V. Tadevosiana. Moskva, Mosk. energeticheskii in-t, 1960. 54 p.
[MICROFILM]

[LOGIC] Logika. [By] V. I. Kirillov i dr. Moskva, Vysshaia shkola, 1964. 206 p.

[THE MORAL COMPASS OF A GENERATION] Nravstvennyi kompas pokolenii. [Moskva, Molodaia gvardiia, 1962] 32 p.
[MICROFILM]

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Program for the study of the principles of philosophy; for political education groups] Programma izucheniia osnov filosofskikh znanii, dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 63 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Program on dialectical and historical materialism for independent students and those who attend the seminars of the system of political education] Programma po dialekticheskomu i istoricheskomu materializmu dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 62 p.

NOVINSKII, I. I. [Dialectic of living nature] O dialektike zhivoi prirody. Moskva, Izd-vo "Nauka," 1964. 181 p.

POPOVYCH, M. V. [Against contemporary critics of Marxist materialism] Proty suchasnykh krytykiv marksysts'koho materializmu. Kyiv, Naukova dumka, 1964 151 p.

POZOV, A [Logos meditation of the early Church, spiritual exercises] Logos-meditatsiia drevnei tserkvi, umnoe delanie. Munich, Tovarishchestvo zarubezhnykh pisatelei, 1964. 163 p.

[PROGRAM FOR THE STUDY OF THE FUNDAMENTALS OF SCIENTIFIC ATHEISM, for clubs of the system of political education] Programma po izucheniiu osnov nauchnogo ateizma, dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 15 p

[PROGRAM FOR THE STUDY OF THE FUNDAMENTALS OF SCIFNTIFIC ATHEISM, for independent students and auditors in seminars of the system of political education] Programma po izucheniiu osnov nauchnogo ateizma, dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia Moskva, Politizdat, 1964 29 p.

[PROGRAM FOR THE STUDY OF THE MORAL CODE OF THE BUILDERS OF COMMUNISM; for clubs of the system of political education] Programma po izucheniiu moral'nogo kodeksa stroitelia kommunizma; dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 23 p

SAMOILOV, L. S., and B. P. SKORBIN. [Servants of evil] Sluzhiteli zla. [Moskva] Izd-vo "IUridicheskaia literatura, 1964. 44 p.

[SCHOLARS AGAINST RELIGION] Uchenye protiv religii. [Moskva] Mosk. rabochii, 1964. 173 p.

SHILINTSEV, N. M., and A. F. VOLOSTNYKH, comps. [We have severed relations with the Baptist sect forever] My navsegda porvali s sektoi baptistov. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1960. 42 p
[MICROFILM]

4. HISTORY

AKADEMIIA NAUK SSSR. Institut istorii. [Brief history of the U. S. S. R. in two parts] Kratkaia istoriia SSSR v dvukh chastiakh. Moskva, Izd-vo "Nauka,"
Pt. 2. [From the Great October Socialist Revolution to our times] Ot Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii do nashikh dnei, 1964. 631 p.

AKADEMIIA NAUK SSSR. Institut istorii. [The soviets and the union of the working class and peasantry in the October Revolution] Sovety i soiuz rabochego klassa i krest'ianstva v Oktiabr'skoi revoliutsii, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 226 p.

AKADEMIIA NAUK SSSR. Institut istorii. Leningradskoe otdelenie. [Lenin's city in the days of the October Revolution and in the Great Patriotic War of 1941-1945] Gorod Lenina v dni Oktiabria i Velikoi Otechestvennoi voiny, 1941-1945 gg., sbornik statei. Moskva, Izd-vo "Nauka," 1964. 206 p.

AKADEMIIA NAUK SSSR. Institut istorii. Leningradskoe otdelenie. [Studies on the history of feudal and serf-holding Russia] Issledovaniia po istorii feodal'no-krepostnicheskoi Rossii; sbornik statei. Moskva, Nauka, 1964. 208 p.

AVETISIAN, G. A. [The Komsomol of Transcaucasia in the struggle for the victory and consolidation of the Soviet regime, 1917-1921] Komsomol Zakavkaz'ia v bor'be za pobedu i uprochenie Sovetskoi vlasti (1917-1921). Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 486 p.

BERTHOLD, WERNER. ["...Starve and obey", historiography at the service of German imperialism. Translated from the German] "...Golodat' i povinovat'sia"; istoriografiia na sluzhbe germanskogo imperializma. Moskva, "Mysl'," 1964. 295 p.
(IaU)

BUGROV, N. N. [Raid across the Dnieper] Reid v Zadneprov'e. Moskva, Voenizdat, 1964. 125 p. (Geroicheskoe proshloe nashei Rodiny)

BUN'KOV, S. I. [It suited the boy at that time...; a documentary tale] Shel parnishke v tu poru..., dokumental'naia povest'. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 95 p.
(CSt-H)

[CATALOG 1933-1963] Katalog 1933-1963. [Moskva] Molodaia gvardiia, 1963. 181 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 20(375).

EREZHEPOV, A. IU. [Cooperation of a hundred] Sodruzhestvo sta. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 76 p.
(CSt-H)

[FIGHTERS RECALL PAST DAYS...] Boitsy vspominaiut minuvshie dni... Odessa, Maiak, 1964. 308 p.

[FOR THE FATHERLAND, FREEDOM AND HONOR! Sketches on Heroes of the Soviet Union, natives of Gorkiy] Za otchiznu, svobodu i chest'! Ocherki o Geroiakh Sovetskogo Soiuza-gor'kovchanakh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo.
Book 2. 1964. 367 p.

FRENKEL', M. IU. [The U. S. A. and Liberia, the Negro Problem in the U. S. A. and the creation of the Republic of Nigeria] SShA i Liberiia, negritianskaia problema v SShA i obrazovanie respubliki Liberiia. Moskva, Izd-vo "Nauka," 1964. 320 p.

GALANSHIN, K. I. [25th anniversary of Perm Province] 25 let Permskoi oblasti. [Perm'] Permskoe knizhnoe izd-vo, 1963. 46 p.
(CSt-H)

[HEROES OF THE CIVIL WAR] Geroi grazhdanskoi voiny. [Moskva] Molodaia gvardiia, 1963. 536 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 15(371))

[IN THE UNITED FAMILY OF FRATERNAL PEOPLES] V edinoi sem'e bratskikh narodov. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 436 p.

IRKAEV, M. [History of the civil war in Tajikistan] Istoriia grazhdanskoi voiny v Tadzhikistane. Dushanbe, Tadzhikskii gos. univ., im. V. I. Lenina, 1963. 759 p. fold. maps.
(NNC)

ISRAELIAN, V. L. [The anti-Hitler coalition; diplomatic cooperation between the U. S. S. R., U. S. A., and Great Britain during the years of the Second World War] Antigitlerovskaia koalitsiia; diplomaticheskoe sotrudnichestvo SSSR, SShA i Anglii v gody Vtoroi Mirovoi voiny. Moskva, IMO, 1964. 607 p.

IVANOV, N. N. [The First International, the 100th anniversary of the creation of the International Workingmen's Association by K. Marx and F. Engels] I Internatsional' k 100-letiiu so dnia sozdaniia K. Marksom i F. Engel'som Mezhdunarodnogo Tovarishchestva Rabochikh. Moskva, Izd-vo "Znanie," 1964. 44 p. (Novoe v zhizni, nauke, tekhnike. I Seriia; Istoriia, no. 16)

IVANSKII, A. I. [Young Lenin; a story in documents and memoirs] Molodoi Lenin, povest' v dokumentakh i memuarakh. Moskva, Politizdat, 1964. 758 p.

KAMENSKAIA, N. V. [White Russian people in the struggle for Soviet power, 1919-1920] Belorusskii narod v bor'be za sovetskuiu vlast', 1919-1920 gg. Minsk, Izd-vo Akad. nauk BSSR, 1963. 261 p.
(InU) (NjP)

KANIVETS, V. I. [The Kanin cave] Kaninskaia peshchera. Moskva, Nauka, 1964. 106 p.

KARAVAEV, S. P. [The Volkhov Partisan Brigade] Volkhovskaia partizanskaia. Moskva, Voenizdat, 1964. 83 p. (Geroicheskoe proshloe nashei Rodiny)

KHALETSKAIA, A. A. [F. E. Dzerzhinskii's expedition to Siberia in 1922] Ekspeditsiia F. E. Dzerzhinskogo v Sibir' (1922 g.). [Omsk] Omskoe knizhnoe izd-vo, 1963. 67 p.

KLOCHKO, V. F. [V. I. Lenin's book "One step forward, two steps back"] O knige V. I. Lenina "Shag vpered, dva shaga nazad." Moskva, Politizdat, 1964. 44 p. (Konsul'tatsii po istorii KPSS)

KULAKOV, N. M. [City of naval glory; the heroic defense of Sevastopol, 1941-1942] Gorod morskoi slavy; o geroicheskoi oborone Sevastopolia, 1941-1942 gody. Moskva, Politizdat, 1964. 78 p. (Stranitsy istorii Sovetskoi Rodiny)

KURBANOV, L. A. [Soviet Turkmenistan; an historical essay] Sovetskaia Turkmeniia; istoricheskii ocherk. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 15)

LENIN, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Politizdat.
Vol. 48. [Letters, November 1910- July 1914. 1964. 543 p.

LESNOI, SERGEI. [Russia, what is your origin? Basic problems of the history of ancient Russia] Rus', otkuda ty? Osnovnye problemy istorii drevnei Rusi. Winnipeg, 1964. 336 p. [English title: The origins of the ancient "Russians"]

LIFSHITS, L. M. [The heroic feat of the Bolsheviks in Baku; from the history of the struggle for the victory of the socialist revolution in Azerbaijan from 1917 to 1918] Geroicheskii podvig bakinskikh bol'shevikov; iz istorii bor'by za pobedu sotsialisticheskoi revoliutsii v Azerbaidzhane v 1917-1918 gg. Baku, Azerneshr, 1964. 203 p.

MASOLOV, N. V. [True story of Dno] Dnovskaia byl'. Moskva, Politizdat, 1964. 86 p. (Geroi i podvigi)

MASSON, V. M. [Central Asia and the Ancient East] Sredniaia Aziia i Drevnii Vostok. Moskva, Izd-vo "Nauka," 1964. 466 p.

MEDVEDS'KA, L. O. [Decembrists in the Poltava region] Dekabrysty na Poltavshchyni. [Kharkiv] Kharkivs'ke knyzhkove vyd-vo, 1960. 61 p.
(MH)

MEL'GUNOV, S. P. [Recollections and diaries] Vospominaniia i dnevniki. Paris [Les Editeurs Reunis] 1964. 2 v.

MIKHAILOV, V. I. [The prologue to war] Prolog k voine. Moskva, Politizdat, 1964. 77 p. (Shkol'naia bibliotechka po noveishei istorii)

MOSCOW. INSTITUT ISTORII PARTII. [For Moscow, for my country!] Za Moskvu, za Rodinu! [Moskva] Mosk. rabochii, 1964. 350 p.

MOSCOW. TSENTRAL'NYI MUZEI V. I. LENINA. Leningradskii filial. [Guidebook to the Leningrad Branch of the V. I. Lenin Museum] Putevoditel'. [Leningrad] Lenizdat, 1964. 326 p.

MOSCOW. UNIVERSITET. Istoricheskii fakul'tet. [Collection of reports at the Sixth and Seventh All-Union Students' Archaeological Conferences] Sbornik dokladov na VI i VII Vsesoiuznykh arkheologicheskikh studencheskikh konferentsiiakh. [Moskva] 1963. 121 p.

NEMIROVSKII, A. I. [Ideology and culture of ancient Rome] Ideologiia i kul'tura rannego Rima. Voronezh, Izd-vo Voronezhskogo univ., 1964. 207 p.

[OUR PRESIDENT HO-CHI-MINH] Nash Prezident Kho Shi Min. [By] Khoai Tkhan' i dr. Hanoi, Izd-vo lit-ry na inostr. iazykakh, 1963. 265 p.

PAVLOVICH, N. B., ed. [The navy in the First World War in two volumes] Flot v Pervoi Mirovoi voine v dvukh tomakh. Moskva, Voenizdat, 1964. 2 v.

POGOSIAN, S. P. [Armenia from the 17th to the 18th century; the liberation movements and culture. Armenia v XVII-XVIII vv.; osvoboditel'nye dvizheniia i kul'tura. Erevan, Izd-vo Erevanskogo univ. In Armenian]
No. 6. 1964. 189 p.

POLETIKA, N. P. [Beginning of the First World War; the July crisis, 1914] Vozniknovenie Pervoi Mirovoi voiny; iiul'skii krizis 1914 g. Moskva, Izd-vo "Mysl'," 1964. 605 p.

BORSHEV, B. F. [Moliere] Mol'er. [Moskva] Molodaia gvardiia, 1964. 238 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 11(380))

BOZDEEVA, L. V. [Anglo-American relations during the Second World War, 1939-1941] Anglo-amerikanskie otnosheniia v gody Vtoroi Mirovoi voiny, 1939-1941 gg. Moskva, Izd-vo "Nauka," 1964. 402 p.

[PROBLEMS IN TEACHING THE HISTORY OF THE U.S.S.R. IN GRADES 9-10-11, from practical experience] Voprosy prepodavaniia istorii SSSR v IX-XI klassakh, iz opyta raboty. Sbornik statei. Moskva, Uchpedgiz, 1963. 166 p. (Iz opyta uchitelia)

[illegible]SHIN, N. I. [Saudi Arabia, an historical and economic study] Saudovskaia Araviia; istoriko-ekonomicheskii ocherk. Moskva, Nauka, 1964. 300 p.

[illegible], B. I. [What stories are told by the documents of the ancient East] O chem rasskazyvaiut pis'mennye pamiatniki drevnego Vostoka. Moskva, Prosveshchenie, 1964. 101 p. (Kniga dlia chteniia)

[illegible]SHOV, N. D., ed. [Research and materials on the history of the Uglich region in the Upper Volga Valley] Issledovaniia i materialy po istorii Uglichskogo Verkhnevolzh'ia. Uglich, Uglichskii kraevedcheskii muzei.
No. 1, 1957. 37 p.
[MICROFILM]

[illegible], K., ed. [In the death camp of Salaspils; [illegible] of the 2d., enlarged ed.] V Salaspilsskom lagere smerti. Riga, Latviiskoe gos. izd-vo, 1964. 306 p.

[illegible], A. D. [illegible] War, 1914-1918] [illegible] 1914-1918 gg. Moskva, Izd-vo "Nauka," 1964. 158 p. [illegible]

[illegible]'EV, S. M. [History of Russia from ancient times [illegible] [illegible] Istoriia Rossii s drevneishikh vremen [illegible] Moskva, Izd-vo "Mysl'." Kn. 12 (tt. 23-24) 1964. 714 p.

[illegible], V. K. [In the struggle for Russia, [illegible]] [illegible] [illegible] 1963. [illegible] p. [illegible]

[illegible] [illegible] [illegible] 1961. 266 p. [illegible]

[illegible], P. A. [illegible] the period of 1910-1960] [illegible] 1910-1960 [illegible] [Moskva] Izd-vo [illegible], 1964. [illegible] p.

B. SOCIAL SCIENCES

[ACHIEVEMENTS IN AGRICULTURAL ECONOMICS] [illegible] Moskva, Izd-vo "Kolos," 1964. 374 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Nauchnyi sovet [illegible] [Materials of the scientific session of the Academy of Sciences of the Azerbaijan S.S.R. dedicated to the future development and distribution of the local industry] Materialy Nauchnoi sessii, posviashchennoi perspektivam razvitiia i razmeshcheniia mestnoi promyshlennosti (25-30 noiabria 1961 g.) Baku, Izd-vo Akademii nauk Azerbaidzhanskoi SSR, 1964. 269 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut ekonomiki. [Problems of the economics and distribution of the heavy industry branches of Kazakhstan] Voprosy ekonomiki i razmeshcheniia otraslei tiazheloi promyshlennosti Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 144 p. [illegible]

AKADEMIIA NAUK SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [Development of the world [illegible] articles, [illegible] Moskva, [illegible] 1964. 293 p.

AKADEMIIA NAUK URSR, Kiev. Instytut ekonomiky. [Development of the oil and gas industry of the Ukrainian S.S.R. and the efficiency of capital investments] Razvitie neftianoi i gazovoi promyshlennosti USSR i effektivnost' kapital'nykh vlozhenii. Kiev, Naukova dumka, 1964. 210 p.

AKIMOV, V. V. [Happiness of difficult roads] Schast'e trudnykh dorog. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 47 p.
(NIC)

ALIKHASHKIN, A. I., I. I. GORCHEV, and E. S. MAIOROV. [Mechanization of planning and accounting work in financial organs] Mekhanizatsiia planovo-uchetnykh rabot v finansovykh organakh. Moskva, Izd-vo "Finansy," 1964. 63 p.

AZERBAIJAN. Tsentral'noe statisticheskoe upravlenie. [Azerbaijan in figures, a brief statistical abstract] Azerbaidzhan v tsifrakh, kratkii statisticheskii sbornik. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 301 p.

BABIJAK, N. M., and O. I. KUZHELEVA. [The competition between the two worlds] Sorevnovanie dvukh mirov. Moskva, Politizdat, 1964. 61 p.

BARANOVA, Z. P., and others. [Factory of communist labor] Fabrika kommunisticheskogo truda. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 14)

BARYSHNIKOV, E. I., A. N. KASHAEV, and I. A. FIRSOVA. [Accounting in state commerce] Bukhgalterskii uchet v gosudarstvennoi torgovle. Moskva, Ekonomika, 1964. 446 p.

BEKTURGANOVA, KARIMA. [Origin and development of collective farm and cooperative property in Kirghizistan, 1917-1932] Vozniknovenie i razvitie kolkhozno-kooperativnoi sobstvennosti v Kirgizii (1917-1932 gg.) Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 161 p.

BEREZHNOI, K. L., and M. G. OSIPOV. [On the rise, story about the "Proletarskaia Volia" Collective Farm in Stavropol Territory] Na vzlete, rasskaz o kolkhoze "Proletarskaia volia" Stavropol'skogo kraia. Moskva, Sovetskaia Rossiia, 1964. 124 p.

BONDARENKO, F. I., and M. N. SAVOV. [International socialist division of labor] Mezhdunarodnoe sotsialisticheskoe razdelenie truda. Moskva, Politizdat, 1964. 94 p.

BORISOV, F. F., V. A. ZHAMIN, and M. F. MAKAROVA, eds. [Economics dictionary] Politekonomicheskii slovar. Moskva, Politizdat, 1964. 303 p.

BORISOV, IA. B. [Plans, initiative and life] Plany, initsiativa i zhizn'. Moskva, Izd-vo "Sovetskaia Rossiia," 1964. 95 p.

BREITMAN, M. M., and L. P. SHEBEKO. [Economics, organization and planning of welding production] Ekonomika, organizatsiia i planirovanie svarochnogo proizvodstva. Moskva, Izd-vo "Mashinostroenie," 1964. 207 p.

BUGROV, A. P., I. A. KARPENKO, and B. E. IUSUFOVICH. [For progressive work norms] Za normy truda, zovushchie vpered. Moskva, Izd-vo "Znanie," 1964. 76 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 7)

BULDAKOV, V. P. [Equality now and under communism] Ravenstvo seichas i pri kommunizme. Perm', Permskoe knizhnoe izd-vo, 1960. 53 p. (Besedy o kommunizme)
[MICROFILM]

CHERNYKH, A. V. [Oil and gas industry of the U.S.S.R.] Neftianaia i gazovaia promyshlennost' SSSR. Moskva, Vysshaia shkola, 1964. 132 p.

CHISTIAKOV, M. A. [The Czechoslovak Socialist Republic; its economy and foreign trade] Chekhoslovatskaia Sotsialisticheskaia Respublika; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 192 p.

[CONSTRUCTION ECONOMICS OF LARGE-PANEL RESIDENTIAL BUILDINGS IN THE UKRAINIAN S.S.R.] Ekonomika stroitel'stva krupnopanel'nykh zhilykh domov v Ukrainskoi SSR. [By] L. A. Kaspin i dr. Kiev, Izd-vo "Budivel'nyk," 1964. 223 p.

[ECONOMIC POSITION OF CAPITALIST COUNTRIES; a survey of business conditions for 1963 and the beginning of 1964] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon"iunkturnyi obzor za 1963 g. i nachalo 1964 g. Moskva, Izd-vo "Pravda," 1964. 168 p. (Prilozhenie k zhurnalu "Mirovaia ekonomika i mezhdunarodnye otnosheniia No. 8 avgust 1964 g.)

EIGES, N. R. [Training of the very young] Vospitanie samykh malen'kikh. Moskva, Izd-vo "Znanie," 1964. 79 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no. 1)

EREMEEV, K. I. [Planning of capital investments in agriculture] Planirovanie kapital'nykh vlozhenii v sel'skoe khoziaistvo. Moskva, Ekonomika, 1964. 191 p.

[ESTABLISHING NORMS FOR OPERATION COMPLETION IN INDUSTRIAL CONSTRUCTION] Normirovanie zadelov v promyshlennom stroitel'stve [By] G. T. Budovoi i dr. Moskva, Stroiizdat, 1964. 123 p.

FAL'TSMAN, V. K. [Methods of operational planning in nonferrous metal plants] Metodika operativnogo planirovaniia na zavodakh chernoi metallurgii. Moskva, Izd-vo Metallurgiia, 1964. 90 p.

FEDORENKO, A. I., and V. IA. SELEGENEV. [Use of atomic energy in the national economy] Primenenie atomnoi energii v narodnom khoziaistve. Khar'kov Izd-vo Khar'kovskogo univ., 1963. 166 p.

FOMIN, G. IA., comp. [Work and wages in state commerce; collection of regulatory materials] Trud i zarabotnaia plata v gosudarstvennoi torgovle; sbornik rukovodiashchikh materialov. Izd. 3., perer. Pod red. N. I. Vasenina. Moskva, Ekonomika, 1964. 302 p.

GANSHTAK, V. I., and B. I. MAIDANCHIK. [Interplant economic analysis; methods and practice in carrying it out] Mezhzavodskii ekonomicheskii analiz; metodika i opyt provedeniia. Moskva, Ekonomika, 1964. 195 p.

GARETOVSKII, N. V. [Incentive funds of enterprises] Pooshchritel'nye fondy predpriiatii. Moskva, Finansy, 1964. 222 p.

GODERMAN, M. D., and A. N. RUSAKOV. [Establishment of technical norms and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve. Moskva, Stroiizdat.
Pt. 1. [Technical and wage norms] Tekhnicheskoe i tarifnoe normirovanie. Izd. 3., dop. 1964. 447 p.

GULANIAN, KH G , and G A TATARIAN [Technological progress and labor organization, based on materials from chemical and machinery industry enterprises] Tekhnicheskii progress i organizatsiia truda, po materialam predpriiatii khimicheskoi i mashinostroitel'noi promyshlennosti Moskva, Izd-vo "Mysl'," 1964 213 p

GUREVICH, R.S. [Citizens' general meetings (gatherings) in Buryatia] Obshchie sobraniia (skhody) grazhdan v Buriatii Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 70 p

IASTREBOV, N.F. [Planning and controlling serial production in the machinery industry, factory practice] Planirovanie i regulirovanie seriinogo proizvodstva v mashinostroenii zavodskoi opyt. Moskva, Izd-vo Mashinostroenie," 1964. 67 p.

IL'DEMENOV, V I [Potentials for increasing labor productivity in agriculture, using the example of the collective farms of the Chuvash A S. S R] Rezervy rosta proizvoditel'nosti truda v zemledelii, na primere kolkhozov Chuvashskoi ASSR. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962. 167 p

IUREVICH, U. M. [First necessity] Pershaia neabkhodnast . Minsk, Dziarzh. vyd-va BSSR, 1963. 38 p. (Hutarki na maral'na-etychnyia temy)

KAGARLITSKAIA, O T [How K Marx's "Capital" should be studied] Kak rabotat' nad "Kapitalom" K. Marksa [Leningrad] Izd-vo Leningr univ., 1964 92 p

KAL'M, P A , comp [Manual for agricultural norms in the northwestern zone of the R. S F. S. R] Spravochnik normativov dlia sel'skogo khoziaistva severo-zapadnoi zony RSFSR. Leningrad, Izd-vo "Kolos," 1964. 439 p.

KAZAN. UNIVERSITET. [Collection of postgraduate student works, social sciences] Sbornik aspirantskikh rabot, obshchestvennye nauki. [Kazan] 1963. 332 p. (CSt-H)

KAZANSKII, A. M. [Agricultural production costs and ways to reduce them, using the example of the collective and state farms of Irkutsk Province] Sebestoimost' sel'skokhoziaistvennoi produktsii i puti ee snizheniia, na primerakh sovkhozov i kolkhozov Irkutskoi oblasti. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1964. 88 p. (Osnovy ekonomicheskikh znanii-kazhdomu kolkhozniku)

KHARCHEV, A. G. [Marriage and family in the U. S. S. R., essay in sociological research] Brak i sem'ia v SSSR, opyt sotsiologicheskogo issledovaniia. Moskva, Izd-vo "Mysl'," 1964. 323 p.

KHLIMANAU, V. V. [Blue morning] Blakitnaia ranitsa. Minsk, 1963. 58 p. (Bibliiatechka hazety "Holas Radzimy")

KIM, IL-SONG. [Theses on the socialist agrarian question in our country, adopted at the Fourth Session of the Eighth Plenum of the Central Committee of the Workers' Party of Korea, on February 25, 1964] Tezisy po sotsialisticheskomu agrarnomu voprosu v nashei strane, priniaty na VIII plenume TsK Trudovoi partii Korei chetvertogo sozyva 25 fevralia 1964 goda. [Pyongyang, Izd-vo lit-ry na inostr. iazykakh KNDR] 1964. 65 p.

KISELEV, I. IA. [Capitalism and the working youth] Kapitalizm i rabochaia molodezh'. Moskva, Ekonomika, 1964. 165 p.

KOBALEVSKII, V. L., V. P. KUTIN, and M. S. TSUKERNIK. [Economics and organization of municipal economy] Ekonomika i organizatsiia gorodskogo khoziaistva. Moskva, Stroiizdat, 1964. 287 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of industrial enterprises for independent students and for auditors of seminars in the party educational system] Programma po ekonomike promyshlennykh predpriiatii dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo "Mysl'," 1964. 60 p.

KOSTROMIN, G. I. [The national economic significance of financial planning] Narodnokhoziaistvennoe znachenie finansovogo planirovaniia. Moskva, Gosfinizdat, 1963. 94 p

KOVALENKO, IU. N. [Economics of designing industrial structures] Ekonomika proektirovaniia promyshlennykh zdanii. Kiev, Budivel'nyk, 1964. 109 p.

KOZAK, V. E. [G. V. Plekhanov on the development of industrial capitalism and the condition of the proletariat in Russia] G. V. Plekhanov o razvitii promyshlennogo kapitalizma i polozhenii proletariata v Rossii. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 174 p.

KOZLOV, G. A. [Operation of the law of value in the conditions of modern capitalism] Deistvie zakona stoimosti v usloviiakh sovremennogo kapitalizma. Moskva, Mysl', 1964. 398 p.

KRUK, D. M., and D. G. CHERTKOV. [What the living standards of U. S S. R workers depend upon] Ot chego zavisit uroven' zhizni trudiashchikhsia v SSSR. Moskva, Politizdat, 1964. 78 p.

KUDRIAVTSEV, E. A. [Awakened giants; how to search for and find production potentials] Razbuzhennye bogatyri; o tom, kak iskat' i nakhodit' rezervy proizvodstva. Moskva, Izd-vo "Znanie," 1964. 77 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 8)

KUZNETSOV, IU. M. [Friends on five continents] Druz'ia na piati kontinentakh Ashkhabad, Turkmenskoe izd-vo, 1963. 190 p. illus.

LAPKES, IA. B. [Intensification and systems of agriculture] Intensifikatsiia sel'skogo khoziaistva i sistemy zemledeliia. Moskva, Ekonomika, 1964. 238 p.

LENINGRAD. PUBLICHNAIA BIBLIOTEKA. [Economics for engineers, a recommended list of literature] Ekonomika dlia inzhenerov, rekomendatel'nyi ukazatel' literatury. Leningrad, 1964. 102 p.

LEVIN, I. B. [Special features of the analysis of the administrative operations of thermal power plants] Osobennosti analiza khoziaistvennoi deiatel'nosti teplovykh elektrostantsii. Moskva, Izd-vo "Finansy," 1964. 90 p.

LISICHKIN, S. M. [Petroleum industry of Africa, Australia, Latin America, and Canada] Neftianaia promyshlennost' Afriki, Avstralii, Latinskoi Ameriki i Kanady. Moskva, Nedra, 1964. 280 p.

[MARCH FORWARD, COMMUNIST YOUTH LEAGUE GENERATION] Shagai vpered, komsomol'skoe plemia, sbornik materialov. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 556 p. (CSt-H)

MELIK-AKHNAZAROV, KH. IU. [The Azerbaijan S. S. R. at the Exhibition of the Achievements of the National Economy of the U. S. S. R.] Azerbaidzhanskaia SSR na VDNKh SSSR. Baku, Azerbaidzhanskoe gos. izd-vo, 1960. 83 p [MICROFILM]

MIHALIK, JOZEF. [Planning the reproduction of trained labor force; problems of theory and practice. Translated from the Slovak] Planirovanie vosproizvodstva kvalifitsirovannoi rabochei sily; voprosy teorii i praktiki. Pod red. M. IA. Sonina. Vstup. stat'ia M. IA. Sonina, E. I. Arona. Moskva, "Progress," 1964. 358 p.

MIL'MAN, A. SH. [Administration of public health and social security in the U. S. S. R.] Upravlenie zdravookhraneniem i sotsial'nym obespecheniem v SSSR. Baku, Izd-vo Azerbaidzhanskogo gos. univ., im. S. M. Kirova, 1960. 62 p. [MICROFILM]

MIROSHNICHENKO, V. S. [Economic competition between the socialist and capitalist economic systems; an historical and economic study] Ekonomicheskoe sorevnovanie sotsialisticheskoi i kapitalisticheskoi sistem khoziaistva; istoriko-ekonomicheskii ocherk. Moskva, Ob-vo po razprostraneniiu polit. i nauchn. znanii RSFSR, 1960. 39 p. [MICROFILM]

MITEL'MAN, E. L. [Financing and credit in industry] Finansirovanie i kreditovanie promyshlennosti. Moskva, Izd-vo "Finansy," 1964. 359 p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TRUDA. [Centralization of the repair of equipment and labor productivity; using the example of machinery manufacturing] TSentralizatsiia remonta oborudovaniia i proizvoditel'nost' truda; na primere mashinostroeniia. Moskva, Mashinostroenie, 1964. 130 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ELEKTRIFIKATSII SEL'SKOGO KHOZIAISTVA. Povolzhskii filial. [System of machinery for overall mechanization of agriculture in the southeastern zone] Sistema mashin dlia kompleksnoi mekhanizatsii sel'skogo khoziaistva zony IUgo-Vostoka. Saratov, 1960. 30 p. [MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. [Establishing the norms for industrial supplies of materials and spare parts in locomotive and car depots; methodological manual] Normirovanie proizvodstvennykh zapasov materialov i zapasnykh chastei v lokomotivnykh i vagonnykh depo; metodicheskoe posobie. Moskva, Transport, 1964. 20 p.

MOZHAISKOVA, I. V. [Costs, profit, bonus; problems of theory and practice in using costs in personal material incentives] Sebestoimost', pribyl', premiia; voprosy teorii i praktiki ispol'zovaniia stoimostnykh form v lichnom material'nom stimulirovanii. Pod red. IA. A. Kronroda. Moskva, Ekonomika, 1964. 223 p.

MUTSINOVA, N. A. [Official travel] Sluzhebnye komandirovki. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 37 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

NEKIPELOV, P. T., V. A. STREMOVSKII, and V. P. NAZHMOV. [The public in crime fighting] Obshchestvennost' v bor'be s prestupnost'iu. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 134 p. [MICROFILM]

NEMTSEV, S. M. [Agrarian relations in modern capitalism and the impoverishment of the peasantry; a lecture delivered at the Rostov Higher Party School. Textbook for the students of the Correspondence Higher Party School attached to the Central Committee of the CPSU] Agrarnye otnosheniia v sovremennom kapitalizme i obnishchanie krest'ianstva; lektsiia, prochitannaia v Rostovskoe Vysshei partiinoi shkole. Uchebnoe posobie dlia slushatelei ZVPSh pri TsK KPSS. Rostov-na-Donu, Rostovskaia Vysshaia partiinaia shkola, 1963. 52 p. [MICROFILM]

NEVENGLOVSKII, IU. B. [Costs in the coal industry of the U. S. S. R.] Sebestoimost' v ugol'noi promyshlennosti SSSR. Moskva, Izd-vo "Nedra," 1964. 64 p. (Konkretnaia ekonomika dlia gorniakov)

NIKOLENKO, G. S. [Economic valuation of land] Ekonomicheskaia otsenka zemli. Alma-Ata, Kazsel'khozgiz, 1964. 153 p.

NOVIKOV, L. A., and A. K. TARADANKIN. [The dumbfounded sphinx] Izumlennyi sfinks. Moskva, Izd-vo "Znanie," 1964. 126 p. (Prochti, tovarishch!)

NOVIKOV, V. F. [Work of the soviets and committees with the labor force and activist groups] Rabota sovetov i komitetov profsoiuzov s kadrami i aktivom. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no. 16 (88))

NOVIKOV, V. S., ed. [Collection of problems on economic statistics with instructions for practical studies and seminars] Sbornik zadach po ekonomicheskoi statistike s metodicheskimi ukazaniiami k prakticheskim zaniatiiam i seminaram. [By] G. M. Gurov i dr. Moskva, Statistika, 1964. 247 p. diagrs. (insert)

OBLOMSKAIA, I. IA. [Material self-interest as an economic category of socialism] Material'naia zainteresovannost'-ekonomicheskaia kategoriia sotsializma. Moskva, Izd-vo "Mysl'," 1964. 92 p.

ODUD, A. L. [Kishinev, an economic geography study] Kishinev; ekonomiko-geograficheskii ocherk. Kishinev, Kartia Moldoveniaske, 1964. 155 p.

OLITSKII, G. [Standard method of accounting for expenditures in construction and assembling operations; practices of the Alma-Ata Housing Combine] Normativnyi uchet zatrat v stroitel'no-montazhnom proizvodstve; iz opyta Alma-Atinskogo domostroitel'nogo kombinata. Alma-Ata, Kazgosizdat, 1964. 70 p.

ORLIUK, S. IA., and G. G. SOLOPAI. [Comprehensive audits of construction and assembly organizations] Kompleksnye revizii stroitel'no-montazhnykh organizatsii. Kiev, Budivel'nyk, 1964. 127 p.

ORLOV, N. A., E. N. SLASTENKO, and E. S. IAMPOL'SKII. [Specialization and cooperation in U. S. S. R. industry; the industrial practice of the regional economic councils of the U. S. S. R.] Spetsializatsiia i kooperirovanie v promyshlennosti SSSR; opyt promyshlennosti sovnarkhozov SSSR. Moskva, Izd-vo "Mysl'," 1964. 225 p.

OSTAPENKO, I. P. [Participation of the working class of the U. S. S. R. in industrial management; production conferences in industry, 1921-1932] Uchastie rabochego klassa SSSR v upravlenii proizvodstvom; proizvodstvennye soveshchaniia v promyshlennosti v 1921-1932 gg. Moskva, Izd-vo "Nauka," 1964. 208 p.

OSTREIKO, A. A. [Sentinels of the people] Dozornye naroda. Simferopol', Krymizdat, 1963. 33 p.
(CSt-H)

[PEOPLE'S RUMANIA TODAY, 1944-1964; articles, essays, interviews, poetry and brief news] Narodnaia Rumyniia segodnia, 1944-1964; stat'i, ocherki, interv'iu, stikhi, khronika. Moskva, Izd-vo "Pravda," 1964. 231 p. illus.

PERM. POLITEKHNICHESKII INSTITUT. Kafedra ekonomiki. [Method for the operational planning of machinery manufacture according to a fixed schedule; basic principles and practical application] Metodika operativnogo planirovaniia mashinostroitel'nogo proizvodstva po neizmennomu grafiku, osnovnye polozheniia i opyt prakticheskogo primeneniia. Perm', 1964. 47 p.

PODKOLZIN, A. M. [Economy of the Republic of Cuba] Ekonomika respubliki Kuby. Moskva, Univ. druzhby narodov, 1964. 62 p.

POLIANSKII, F. IA. [Economic ideas of the First International] Ekonomicheskie idei I Internatsionala. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 16)

POLUIAN, A. I. [Man finds a way; notes of a people's judge] Chelovek nakhodit dorogu; zapiski narodnogo sud'i. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 97 p.
(CSt-H)

PONOMAREV, S. A. [Long-term planning of suburban passenger transportation; on railroad lines and sections] Perspektivnoe planirovanie prigorodnykh perevozok passazhirov; na otdelenii i zheleznoi doroge. Moskva, "Transport," 1964. 34 p.

POZOLOTIN, M. E. [Freedom day; 20 years of People's Bulgaria] Den' svobody; narodnoi Bolgarii - 20 let. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 15)

PRIBYLEVA, G. N., and S. A. SUPONITSKII. [Facts and figures on the condition of the working class in capitalist countries; materials for lectures and discussions] Fakty i tsifry o polozhenii rabochego klassa kapitalisticheskikh stran; materialy dlia lektsii i besed. Moskva, Izd-vo "Znanie," 1962. 39 p. (V pomoshch' lektoru)

[MICROFILM]

[PRODUCTION A[illegible] ESTABLISHM[illegible] uchrezhdenii. [illegible] Mo[illegible], 1964. 57 p. ([illegible] klubnomu rabotniku" no. 9)

RAZIN, V. I. [Marxism-Leninism on the break-down of the exploitational state machine] Marksizm-leninizm o slome ekspluatatorskoi gosudarstvennoi mashiny. [Moskva] Izd-vo Mosk. univ., 1964. 50 p.

ROSTOV-ON-DON. GOSUDARSTVENNAIA NAUCHNAIA BIBLIOTEKA IMENI K. MARKSA. [Economy of the Northern Caucasus in the third year of the seven-year plan; a recommended list of literature] Narodnoe khoziaistvo Severnogo Kavkaza, 3-i god semiletki, rekomendatel'nyi ukazatel' literatury. Rostov-na-Donu, 1962. 60 p.

[MICROFILM]

ROTSHTEIN, A. G., and V. I. STOMAKHIN. [Increasing labor productivity in construction] Povyshenie proizvoditel'nosti truda v stroitel'stve. Moskva, Stroiizdat, 1964 94 p.

RUSSIA (1917- R. S. F. S. R.) TSentral'noe statisticheskoe upravlenie. [The R. S. F. S. R. in 1963, a brief statistical abstract] RSFSR v 1963 godu, kratkii statisticheskii sbornik. Moskva, Statistika, 1964. 173 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Collection of supplemental standard district individual estimates for construction. Approved by the U. S. S. R. State Committee for Construction for use as of April 1, 1964] Sbornik dopolnitel'nykh raboty. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR dlia primeneniia s 1 aprelia 1964 g. Moskva, Stroiizdat.
No. 10. 1964. 238 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulation governing the interrelations and payments between specialized trusts (administrations) for mechanization and building-assembly organizations] Polozhenie o vzaimootnosheniiakh i raschetakh mezhdu spetsializirovannymi trestami (upravleniiami) mekhanizatsii i stroitel'no-montazhnymi organizatsiiami (SN 272-64) Moskva, Stroiizdat, 1964. 13 p.

RUSSIA (1923- U. S. S. R.) Sovet po izucheniiu proizvoditel'nykh sil. Laboratoriia matematicheskikh metodov. [Use of mathematics in the distribution of productive forces] Primenenie matematiki pri razmeshchenii proizvoditel'nykh sil. Moskva, Izd-vo "Nauka," 1964. 134 p.

RUSSIA (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program for a course in economics for institutions of higher learning (280 hours)] Programma kursa politicheskoi ekonomii dlia vysshikh uchebnykh zavedenii (280 chasov). Moskva, Izd-vo "Mysl'," 1964. 46 p.

SAMBORSKII, G. I., and V. I. FOMICHEV. [Use of synthetic materials in industry] Sinteticheskie materialy - v promyshlennost'. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 15)

[SCHOOL OF SOCIALIST MANAGEMENT; a school reader for workers studying the economics of industrial enterprises] Shkola sotsialisticheskogo khoziaistvovaniia; kniga dlia chteniia v shkolakh rabochikh, izuchaiushchikh ekonomiku promyshlennykh predpriiatii. Izd. 2., perer. i dop. Moskva, Politizdat, 1964. 318 p.

SEMENOV, V. N. [Business accounting and state-farm finance] Khoziaistvennyi raschet i finansy sovkhozov. Moskva, Izd-vo "Finansy," 1964. 245 p.

SHAKHNAZAROV, G. KH., and others. [Social science; a textbook for the graduating class of secondary and secondary specialized schools] Obshchestvovedenie; uchebnik dlia vypusknogo klassa srednei shkoly i srednikh spetsial'nykh uchebnykh zavedenii. Izd. 2. Moskva, Politizdat, 1964. 398 p.

SHEL'NOV, A. K. [Senegal; its economy and foreign trade] Senegal; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 83 p.

SHMELEV, G. I. [Distribution and use of labor on collective farms] Raspredelenie i ispol'zovanie truda v kolkhozakh. Moskva, Izd-vo "Mysl'," 1964. 141 p.

SIMONENKO, G. S. [Material compensation for workers and employees in industrial accidents and occupational diseases] Material'noe obespechenie rabochikh i sluzhashchikh pri trudovom uvech'e i professional'nom zabolevanii. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 90 p.

SIMONOVA, TS. M., and M. D. SHERIKH. [Checking of the financial plan of an industrial enterprise] Proverka finansovogo plana promyshlennogo predpriiatiia. Moskva, Izd-vo "Finansy," 1964. 112 p.

SLABIEIEV, I. S. [From the history of the primitive accumulation of capital in the Ukraine, peddling and its role in the social and economic development of the Ukraine from the 18th to the first half of the 19th century] Z istorii pervisnoho nahromazhdeniia kapitalu na Ukraini, chumats'kyi promysel i ioho rol' u sotsial'no-ekonomichnomu rozvytku Ukrainy XVIII-pershoi polovyny XIX st. Kyiv, Naukova dumka, 1964. 135 p

SLUKHAI, T. D., and N. F. IATSURA. [Centralization of the accounting in public institutions] TSentralizatsiia ucheta v biudzhetnykh uchrezhdeniiakh. Moskva, Izd-vo "Finansy," 1964. 102 p.

SOFRONOV, L. S. [Until we meet again, friends!] Do novoi vstrechi, druz'ia! [Moskva] Molodaia gvardiia, 1964. 76 p. (Na obshchestvennykh nachalakh)

STEPANOVA, A. M., and A. I. KASKOV. [How to organize work among children and adolescents] Kak organizovat' rabotu sredi detei i podrostkov. [Moskva] Profizdat, 1964. 78 p. (Bibliotechka profsoiuznogo aktivista, no. 12(84))

STRUMILIN, S. G. [Selected works in five volumes] Izbrannye proizvedeniia v piati tomakh. [Moskva, Izd-vo "Nauka"]
Vol. 4. [Essays on the socialist economy of the U. S. S. R.] Ocherki sotsialisticheskoi ekonomiki SSSR. 1964. 466 p.

[10 YEARS OF MAGADAN PROVINCE] 10 let Magadanskoi oblasti [Magadan, Magadanskoe knizhnoe izd-vo, 1963] 210 p.

[THREE AMERICAS] Tri Ameriki. Moskva, Izd-vo "Pravda," 1964. 78 p. (Biblioteka "Komsomol'skoi pravdy," no. 7)

[TODAY AND TOMORROW OF MOSCOW CHEMISTRY] Segodnia i zavtra moskovskoi khimii. [Moskva] Moskovskii rabochii, 1964. 76 p. (V pomoshch' agitatory i propagandisty)

TOUSTSIK, A. A. [Mine and ours] Mae i nasha. Minsk, Derzh. vyd-va BSSR, 1963. 26 p. (Hutarki na maral'na-etychnyia temy)

[TRADITIONS SHOULD BE MAINTAINED] Traditsiiam ostavat'sia v stroiu. Moskva, Sovetskaia Rossiia, 1964. 94 p.

TRISHIN, V. S. [Workers' labor productivity in the forest economy] Proizvoditel'nost' truda rabochikh v lesnom khoziaistve. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 132 p.

TSAREV, S. S. [Accounting practice on a collective farm] Opyt ucheta v kolkhoze. Moskva, Izd-vo "Kolos," 1964. 91 p.

TSENTRAL'NAIA RESPUBLIKANSKAIA SEL'SKOKHOZIAISTVENNAIA NORMATIVNO-ISSLEDOVATEL'SKAIA STANTSIIA. [Collection of technically substantiated time norms for repair work] Sbornik tekhnicheski obosnovannykh normativov vremeni na remontnye raboty. Moskva, Rossel'khozizdat, 1964. 134 p.

TURKMEN S. S. R. Ministerstvo narodnogo obrazovaniia. [Secondary school programs for the 1963-1964 school year; economic geography of the U. S. S. R.] Orta mekdebin programmasy 1963-1964-nzhi okuv iyly uchin; SSSR-in ykdysady geografiiasy, X klas uchin. Ashgabat, Turkmenistan Dovlet Okuv-pedagog. neshriaty, 1963. 17 p. [In Turkmen]

[USEFUL INFORMATION FOR TRAVELERS, a brief guide] Eto polezno znat' passazhiru, kratkii spravochnik. Moskva, Izd-vo "Transport," 1964. 93 p.

UTKIN, E. A. [State finance, currency circulation and credit in capitalist countries] Gosudarstvennye finansy, denezhnoe obrashchenie i kredit kapitalisticheskikh stran. Moskva, Univ. druzhby narodov, 1963. 122 p

VAL'TUKH, K. K. [Production fund cycle and the turnover of [illegible] assets of an enterprise] Krugooborot [illegible] fondov predpriiatii. Moskva, Ekonomika, 1964. [illegible] p.

VAR[illegible], A. M., B. P. DEDKOV, and A. S. PONOMAREV. [The city of Syzran', an historical and economic [illegible]] Gorod Syzran', istoriko-ekonomicheskii ocherk. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. [illegible] p.

VASENKOV, V. I. [Good day! Essays] Den' dobryi! [Ocherki. Briansk] Brianskii rabochii, 1964. 45 p.
(CSt-H)

VASIL'EV, P. G., and N. A. SHIRKEVICH. [Financial control in the U. S. S. R.] Finansovyi kontrol' v SSSR. Moskva, Zaochnyi finansovo-ekonomicheskii in-t, 1960. 33 p
[MICROFILM]

VISHNEVSKII, A. A., and F. IU. KRUPIANSKII. [Organization and planning of postal communications] Organizatsiia i planirovanie pochtovoi sviazi. Moskva, Izd-vo "Sviaz'," 1964. 328 p.

VLADIMIROV, B. V., and G. M. DOBROV. [The arrow flies into the future] Strela letit v budushchee. [Moskva] Molodaia gvardiia, 1963. 126 p.

VOLKOV, G. M., and I. P. KRAPCHIN [Problems in the economics of the mining and processing of brown coals] Problemy ekonomiki dobychi i pererabotki burykh uglei Moskva, Nedra, 1964. 107 p.

WHITE RUSSIA Statisticheskoe upravlenie. [Development of the national economy of the White Russian S. S. R. during the 20 years, 1944-1963; a statistical abstract] Razvitie narodnogo khoziaistva Belorusskoi SSR za 20 let (1944-1963 gg.), statisticheskii sbornik. Minsk, Izd-vo "Belarus'," 1964. 214 p.

WHITE RUSSIA. Statisticheskoe upravlenie. [The White Russian S. S. R. in figures; a brief statistical abstract] Belorusskaia SSR v tsifrakh, kratkii statisticheskii sbornik. Minsk, Gosstatizdat, Belorusskoe otd-nie, 1963. 283 p.

[WORLD ECONOMICS; the popularizer's concise manual] Mirovaia ekonomika, kratkii spravochnik propagandista. Moskva, Ekonomika, 1964. 231 p.

ZABOZLAEV, A. A., M. L. ZAKHAROV, and I. P. KOLGANOV. [Manual on pension problems, as an aid for factory and plant trade-union committees] Spravochnik po pensionnym voprosam, v pomoshch' komissiiam FZMK. [Moskva] Profizdat, 1964. 319 p.

ZAGULOV, ZH. [Ways to reduce the cost of freight transportation in the automotive transportation units of the Kirghiz S. S. R.] Puti snizheniia sebestoimosti gruzovykh perevozok v avtokhoziaistvakh Kirgizskoi SSR. Pod obshchei red. L. A. Bronshteina. Frunze, Kirgizskoe gos. izd-vo, 1960. 73 p.
[MICROFILM]

ZEMTSOVSKAIA, V. I. [Statistics of labor productivity; a textbook] Statistika proizvoditel'nosti truda; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1964. 53 p.

6. POLITICAL SCIENCE

ABDUSHUKUROV, R. KH. [Historical experience in solving the nationality problem in the republics of Central Asia and Kazakhstan] Istoricheskii opyt razresheniia natsional'nogo voprosa v respublikakh Srednei Azii i Kazakhstane. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 105 p. (Materialy k Vsesoiuznoi nauchnoi sessii:"Zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma")
[MICROFILM]

AKADEMIIA NAUK SSSR. Institut Latinskoi Ameriki. [Liberation movement in Latin America] Osvoboditel'noie dvizhenie v Latinskoi Amerike. Moskva, Izd-vo "Nauka," 1964. 426 p.

AKHUNDOV, V. IU. [The 150th anniversary of Azerbaijan's incorporation into the Russian state, report at the meeting of the group of activists on March 13, 1963] 150 let vkhozhdeniia Azerbaidzhana v sostav Rossii, doklad na sobranii aktiva 13 marta 1964 goda. Baku, Azerneshr, 1964. 69 p.

BATASHOV, A. V. [Political self-education; a consultant's notes on experience in individual study of Marxist-Leninist theory] Politicheskoe samoobrazovanie; zametki konsul'tanta ob opyte samostoiatel'nogo izucheniia marksistsko-leninskoi teorii. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 53 p. (Bibliotechka partiinogo prosveshcheniia)
[MICROFILM]

BIAKOV, V. F., and A. IA. PROSIANIK. [The party's struggle for realization of Lenin's plan to build socialism in the U. S. S. R., 1926-1932] Bor'ba partii za osushchestvlenie Leninskogo plana postroeniia sotsializma v SSSR (1926-1932 gg.) Moskva, Politizdat, 1964 78 p (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

[CHRONICLE OF INTERNATIONAL EVENTS, 1963] Khronika mezhdunarodnykh sobytii, 1963 god. Moskva, IMO, 1964. 315 p.

[CURRENT PROBLEMS OF WORLD POLITICS, international review, July 1960 to January 1961] Tekushchie problemy mirovoi politiki, mezhdunarodnyi obzor, iiul' 1960 g.-ianvar' 1961 g. [Moskva] Izd-vo "Pravda," 1961. 78 p.

DADIANI, L. IA. [Collapse of contemporary colonial administration] Krakh kolonial'nogo upravleniia v sovremennyi period. Moskva, Univ. druzhby narodov, 1964. 151 p.

[DEPUTY AND LIFE] Deputat i zhizn'; [sbornik statei. Kostroma] Kostromskoe knizhnoe izd-vo, 1963. 36 p.
(CSt-H)

[THE DIPLOMATIC CORPS IN MOSCOW] Diplomaticheskii korpus v Moskve. [n. p.] M-vo inostr. del SSSR, Iiul' 1964. 170 p.

DZHAKHID, A. M. [Some problems of the theory of the state in the views of Abu Nasr al-Farabi] Nekotorye voprosy teorii gosudarstva v vozzreniiakh Abu Nasr al-Farabi. Dushanbe, Tadzhikskii gos. univ. im. V. I. Lenina, 1963. 23 p.
[MICROFILM]

ERIVAN. INSTITUT ISTORII PARTII. [Outline of the history of the Communist Party of Armenia] Ocherki istorii Kommunisticheskoi partii Armenii. Erevan, Armianskoe gos. izd-vo, 1963. 757 p. [In Armenian]

ESTONIAN SSR. Ulemnoukogu. [Second session of the Sixth Supreme Soviet of the Estonian S. S. R., October 16-17, 1963. Verbatim report] Vtoraia sessiia Verkhovnogo Soveta Estonskoi SSR shestogo sozyva 16-17 oktiabria 1963 goda. Stenograficheskii otchet. Tallinn, Estonskoe gos. izd-vo, 1964. 151 p.

HIL'HULIN, M. D. [The Eleventh All-Russian Conference of the Russian Communist Party (Bolshevik)] Odinadtsiata Vserosiis'ka konferentsiia RKP (b). Kyiv, Derzhpolitvydav URSR, 1957. 46 p. (Z'izdy i konferentsii KPRS)

[HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION, a visual aid in four numbers] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; nagliadnoe posobie v chetyrekh vypuskakh. Moskva, Politizdat,
No. 2. [March 1917-1925] Mart 1917 g.-1925 g. 1964. 221 p.

KLIMENKO, B. M. [State boundaries as a problem of peace] Gosudarstvennye granitsy - problema mira. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 136 p.

KOMI A. S. S. R. Verkhovnyi Sovet. [Meeting of the Fifth Supreme Soviet of the Komi A. S. S. R., third session, 1960. Verbatim report] Zasedaniia Verkhovnogo Soveta Komi ASSR, 5. sozyva, 3. sessiia 1960 goda. Stenograficheskii otchet. Syktyvkar, Komi knizhnoe izd-vo, 1960. 1 v.
(MH-L)

KOPLENIG, JOHANN. [Selected works, 1924-1962. Translated from the German] Izbrannye proizvedeniia, 1924-1962 gody. Moskva, Gos. izd-vo polit. lit-ry, 1963. 371 p.
(NNC)

KOSICHEV, A. D. [The Marxist-Leninist struggle against the ideology of anarchism and the present day] Bor'ba marksizma-leninizma s ideologiei anarkhizma i sovremennost'. [Moskva] Izd-vo Mosk. univ., 1964. 413 p.

KRASNIKOV, N. P. [Socialist governments and the church; establishment of new relations between the state and the church in some European countries of the people's democracy] Sotsialisticheskie gosudarstva i tserkov'; ob ustanovlenii novykh otnoshenii mezhdu gosudarstvom i tserkov'iu v nekotorykh evropeiskikh stranakh narodnoi demokratii. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 60 p.

KRIGER, E. G. [Genealogy of heroism] Rodoslovnaia doblesti. Moskva, Politizdat, 1964. 140 p.

LATVIAN S. S. R. Augstaka Padome. Prezidijs. [Latvian S. S. R.; administrative territorial division] Latvijas PSR; administrativi teritorialais iedalijums. Riga, Latvijas Valts izd-ba, 1964. 146 p.
(DBC)

MARCHIK, G. O. [Ideal conviction; remarks of a journalist] Ideinaia ubezhdennost'; zametki zhurnalista. Moskva, Politizdat, 1964. 62 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Program for the study of the history of the CPSU; for groups, seminars and those who study according to individual plans within the system of political education] Programa po vyvchenniu istorii KPRS dlia hurtkiv, seminariv i tykh, khto navchaiet'sia za individual'nymy planamy v systemi politychnoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 62 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [For a strong attack on the ideological front; bibliography of recommended reading] Za aktivnoe nastuplenie na ideologicheskom fronte; rekomendatel'nye spiski literatury. Moskva, Izd-vo "Kniga," 1964. 62 p. (V pomoshch' chitateliu, no. 4)

NEPOMNIASHCHII, K. E. [Torches growing dim; American sketches] Ugasaiushchie fakely; amerikanskie ocherki. Moskva, Izd-vo "Znanie," 1964. 158 p. (Prochti tovarishch!)

PETROV, F. M. [The past and the present; reminiscences of my life, activity and encounters] Mynule i suchasne; spohady pro moe zhyttia, diial'nist', zustrichi. [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1963. 188 p.

PETROV, VL. [Diplomacy of Downing Street] Diplomatiia Dauning-strita. Moskva, IMO, 1964. 278 p.

[PROGRAM FOR THE STUDY OF THE PRINCIPLES OF COMMUNIST EDUCATION, FOR GROUPS, SEMINARS AND THOSE WHO STUDY ACCORDING TO INDIVIDUAL PLANS WITHIN THE SYSTEM OF PARTY EDUCATION] P[illegible] [illegible] dlia [illegible], seminariv [illegible] planamy [illegible] osvity. Kyiv, Derzhpolitvydav URSR, 1963. [illegible] p.

[THE ROUTE OF PEACE; the visit of N. S. Khrushchev, Chairman of the Council of Ministers of the U. S. S. R. to Denmark, Sweden and Norway from June 16 to July 4, 1964] Marshrut mira; vizit Predsedatelia [illegible] SSSR N. S. Khrushcheva v Daniiu, [illegible] Norvegiiu, 16 iiunia-4 iiulia 1964 goda. [illegible], Politizdat, [illegible] 254 p.

RUSSIA (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program for the course on the history of the CPSU, for institutions of higher learning (for 100 and 120 hours)] Programma kursa istorii KPSS; dlia vysshikh uchebnykh zavedenii (na 100 i 120 chasov). Moskva [Izd-vo gazety "Pravda"] 1963. 31 p.

RUSSIA (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Sample list of literature for the minimum requirements for the candidate degree in the history of the CPSU] Primernyi spisok literatury kandidatskogo minimuma po istorii KPSS. Moskva, Izd-vo "Mysl'," 1964. 32 p.

[illegible], N. A. [Groups of deputies] Deputatskaia gruppa. [illegible] knizhnoe izd-vo, 1963. 30 p. (Resheniia XXII s"ezda KPSS - v zhizn') [illegible]

VILNA. PARTIJOS ISTORIJOS INSTITUTAS. [Leaflets of the Lithuanian Communist Party] Lietuvos Komunistu partijos atsisaukimai. Vilnius, Valstybine politines ir mokslines literaturos leidykla. [In Lithuanian] Vol. 4. 1934-1940. 1963. 954 p.

VSESOIUZNYI LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI. [Statute. Approved by the 14th Congress of the Communist Youth League] Ustav. Priniat XIV s"ezdom VLKSM. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1962. 31 p. [illegible]

7. LAW

ANDREEVA, A. G. [*Land law in the first year of Soviet rule, 1917-1918*] Zemel'noe pravo v pervyi god Sovetskoi vlasti (1917-1918 gg.) Voronezh, Izd-vo Voronezhskogo univ., 1960. 41 p.

[MICROFILM]

[illegible], M. P. [Expiration and remission of convictions] Pogashenie i sniatie sudimosti. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 62 p.

[illegible] [Apartment tenants' manual in questions and answers] Spravochnik kvartiros"emshchika v voprosakh i otvetakh. 3., dop. izd. Moskva, Izd-vo [illegible] 1964. 103 p.

IVANOV, S. A. [Problems of international labor regulation] Problemy mezhdunarodnogo regulirovaniia truda. Moskva, Izd-vo "Nauka," 1964. 340 p.

[illegible], G. P. [Compensation for personal injuries] Vozmeshchenie ushcherba, prichinennogo zdorov'iu. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 64 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

[illegible], V. L., and IU. E. VOLKOV. [The socialist all people's state, textbook for students of secondary [illegible] schools of social sciences] Sotsialisticheskoe [illegible] gosudarstvo, posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii [illegible]. [Moskva] Vysshaia shkola, 1964. 30 p.

KAZAKH S.S.R. Laws, statutes, etc. [The judicial organization act of the Kazakh S.S.R.] Zakon o sudoustroistve Kazakhskoi SSR. Alma-Ata, Kazgosizdat, [illegible] 15 p.

[MICROFILM]

KIRGHIZ S.S.R. Laws, statutes, etc. [*Decree on advocacy in the Kirghiz S.S.R. Approved by the* [illegible] of the Supreme Soviet of the Kirghiz S.S.R. of May 11, 1961] Polozhenie ob advokature Kirgizskoi SSR. Utverzhdeno [illegible] Verkhovnogo Soveta Kirgizskoi SSR ot 11 maia 1961 goda. Frunze [Akad. nauk Kirgiz. SSR] 1961 13 p.

[MICROFILM]

[illegible], L. D. [Status of the criminally injured under Soviet criminal procedure] Poterpevshii ot prestupleniia v sovetskom ugolovnom protsesse. Voronezh, Izd-vo Voronezhskogo univ., 1964. [illegible] p.

KORETSKII, V. I. [Problems of the codification of Soviet water law] Voprosy kodifikatsii sovetskogo vodnogo zakonodatel'stva. Stalinabad, Tadzhikskii univ., 1961. 38 p.

[MICROFILM]

MALKHAZOV, I. I. [Important safeguard of socialist justice] Vazhnaia garantiia *sotsialisticheskogo pravosudiia.* Rostov-na-Donu, Rostovskii-na-Donu gos. univ., 1961. 51 p.

[MICROFILM]

MOSCOW. VSESOIUZNYI INSTITUT IURIDICHESKIKH *NAUK.* [Scientific commentary on judicial practice in civil matters for 1962] Nauchnyi kommentarii sudebnoi praktiki po grazhdanskim delam za 1962 god. Moskva, Izd-vo "Iuridicheskaia literatura, 1963. 170 p.

MUNTIAN, V. I. [Legal protection of forests in the Ukrainian *S.S.R.*] Pravova okhorona lisiv Ukrains'koi RSR. Kyiv, Vyd-vo Akad. nauk URSR, 1964. 82 p.

PERVUSHIN, A. G. [Collection of problems in Soviet labor law, law on collective farms and land law, textbook for students of agricultural schools of higher learning] *Sbornik zadach* po sovetskomu trudovomu, kolkhoznomu i zemel'nomu pravu; uchebnoe posobie dlia sel'skokhoziaistvennykh vuzov. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 160 p.

PISKUN?, B. M. [Encouragements for conscientious work] Pooshchreniia za dobrosovestnyi trud. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 63 p. (*Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh*)

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi sud. [Collection of decisions of the Plenum, the Presidium, and of rulings of the Judicial Collegium on Criminal Matters of the Supreme Court of the R.S.F.S.R., 1961-1963] Sbornik postanovlenii Plenuma, Prezidiuma i opredelenii Sudebnoi kollegii po ugolovnym delam Verkhovnogo Suda RSFSR, 1961-1963 gg. Otv. red. L. N. Smirnov. Moskva, Izd-vo "Iuridicheskaia literatura," 1964. 413 p.

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Collection of normative enactments on Soviet administrative law] Sbornik normativnykh aktov po sovetskomu administrativnomu pravu. Sost. A. G. Khazikov. [Petrozavodsk] Vysshaia shkola, 1964. 579 p.

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Statutes on the organs of party-state control, groups and posts assisting them, and the "Komsomol searchlight"] Polozheniia ob organakh partgoskontrolia, gruppakh i postakh sodeistviia, "Komsomol'skom prozhektore." Moskva, Politizdat, 1964. 30 p.

[SOVIET CRIMINAL LAW, general part] Sovetskoe ugolovnoe pravo; chast' obshchaia. Moskva, Vses. iurid. zaochnyi in-t.

No. 17. Gel'fer, M. A. [Fundamental issues in the general part of the criminal law of the European people's democracies; a textbook] Osnovnye voprosy obshchei chasti ugolovnogo prava evropeiskikh stran narodnoi demokratii; uchebnoe posobie. 1963. 67 p.

[MICROFILM]

UKRAINE. Laws, statutes, etc. [Statute on election to the Supreme Soviet of the Ukrainian S.S.R. Approved by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R. on December 12, 1950. As amended and supplemented by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R. on January 11, 1963] Polozhenie o vyborakh v Verkhovnyi Sovet Ukrainskoi SSR. Utverzhdeno Ukazom *Prezidiuma Verkhovnogo Soveta Ukrainskoi SSR ot* 12 dekabria 1950 goda. S izmeneniiami i dopolneniiami, vnesennymi *Ukazom Prezidiuma Verkhovnogo Soveta* Ukrainskoi SSR ot 11 ianvaria 1963 goda. Kiev, Gospolitizdat *USSR,* 1963. 22 *p.*

ZAMIATINA, K. G. [Fundamental rights and duties of the authors of discoveries, inventions and efficiency *suggestions*] Osnovnye prava i obiazannosti avtorov otkrytii, izobretenii i ratsionalizatorskikh predlozhenii. *Perm', Permskoe knizhnoe izd-vo,* 1960. 63 *p.*

[MICROFILM]

ZHANADILOV, ERKIN. [Labor rights of educational *workers*] *Trudovye* prava rabotnikov prosveshcheniia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 100 p.

8. EDUCATION

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. *Institut doshkol'nogo vospitaniia.* [Work training in kindergarten] Trudovoe vospitanie v detskom sadu. Pod red. V. G. *Nechaevoi.* *Moskva,* Prosveshchenie, 1964. 186 p.

AKSARINA, N. M., and E. I. RADINA, eds. [Problems of the education of small children; the speech and mental group training of year old children] Voprosy pedagogiki rannego detstva; rechevoe i umstvennoe vospitanie detei v gruppakh vtorogo goda zhizni. Moskva, Prosveshchenie, 1964. 177 p.

AKSENOV, N. F., and others. [Training of the right *posture*] *Vospitanie* pravil'noi osanki. Moskva, Fizkul'tura i sport, 1964. 62 p.

[BOXING; a manual for children's sports schools and school collectives of physical culture] Boks; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 254 p.

CHERNIAKHOVSKII, A. L. [Only ten minutes] Vsego 10 minut. Moskva, Fizkul'tura i sport, 1964. 58 p. (Bibliotechka "Fizkul'tura i sport," no. 6)

CHISTIAKOVA, T. A., E. M. CHERNUSHENKO, and G. I. SOLINA. [Study of foreign languages in kindergartens, a teachers' manual] Obuchenie inostrannym iazykam v detskikh sadakh, posobie dlia uchitelei. Pod red. *V. S. TSetlin, M. L. Vaisburd, A. A. Mirolinbova.* Moskva, Prosveshchenie, 1964. 204 p. tables (*insert*)

[CONTEMPORARY DANCES] Sovremennye tantsy. Moskva, Sovetskaia Rossiia, 1964. 106 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 17)

DNEPROPETROVSK. UNIVERSYTET. [Materials for a summing-up conference] Materialy k nauchno-itogovoi konferentsii. Dnepropetrovsk, 1961. 201 p.
(*MH*)

[EDUCATION IN THE BURYAT A. S. S. R.; a collection of archival documents] Obrazovanie Buriatskoi ASSR; sbornik arkhivnykh dokumentov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 270 p.

GAVRILOV, V. N., and N. V. ZHMAREV. [Canoes and canoeing] Grebliia na baidarkakh i *kanoe. Khar'kov,* Izd-vo Khar'kovskogo gos. univ. im. A. M. Gor'kogo, 1964. 175 p.

[HANDBOOK FOR STUDENTS ENTERIN
SECOND
UKRAI

1/

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Fundamentals of communist education, a textbook] Osnovy kommunisticheskogo vospitaniia, uchebnoe posobie. 2., dop. izd. Moskva, Politizdat, 1964. 375 p

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK [Program for the study of the fundamentals of communist education, for independent students and auditors in seminars of the system of political education] Programma izucheniia osnov kommunisticheskogo vospitaniia; dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 45 p.

MOSCOW GOSUDARSTVENNAIA BIBLIOTEKA PO NARODNOMU OBRAZOVANIIU [Connection between instruction and the socially useful productive work of students, a bibliographic index] Sviaz' obucheniia s obshchestvenno poleznym proizvoditel'nym trudom uchashchikhsia, bibliograficheskii ukazatel'. Sost N. A. Rut. Pod red N. E. TSeitlina. Moskva, Izd-vo APN RSFSR, 1963. 263 p

PCHELKO, A S., ed. [Basic problems of elementary education] Osnovnye voprosy nachal'nogo obucheniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR. 1963. 290 p.

POPOVA, N. S. [Teaching material on arithmetic for the first grade of eight-year schools] Didakticheskii material po arifmetike dlia I klassa vos'miletnei shkoly. Izd 3. Moskva, Prosveshchenie, 1964. 85 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs for secondary schools with industrial training; occupation of a laboratory technician for mechanical testing] Programmy srednei shkoly s proizvodstvennym obucheniem, professiia - laborant po mekhanicheskim ispytaniiam. [Sverdlovsk] Prosveshchenie, 1964. 29 p.

RUSSIA (1917- R S F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; foreign languages] Programmy vos'miletnei shkoly, inostrannye iazyki. Moskva, Prosveshchenie, 1964. 43 p.

RUSSIA (1917- R. S F. S. R.) Ministerstvo prosveshcheniia [Programs of eight-year schools, history] Programmy vos'miletnei shkoly, istoriia. Moskva, Prosveshchenie, 1964. 62 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia) [Programs of eight-year schools; mechanical drawing] Programmy vos'miletnei shkoly; cherchenie. [Moskva] Prosveshchenie, 1964. 7 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools, primary grades] Programmy vos'miletnei shkoly; nachal'nye klassy. Moskva, Prosveshchenie, 1964. 167 p.

[SKIING; a manual for trainers] Lyzhnye gonki; uchebnoe posobie dlia trenerov. Moskva, Fizkul'tura i sport, 1964. 261 p.

SOIUZ SPORTIVNYKH OBSHCHESTV I ORGANIZATSII SSSR. TSentral'nyi Sovet. [Volleyball; a program for the sports sections of physical education collectives] Voleibol; programma dlia sportivnykh sektsii kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 30 p

SYROECHKOVSKAIA, E.A., and M. S. SHEININA. [Teaching material for Russian language classes in the second grade] Didakticheskii material dlia zaniatii po russkomu iazyku vo 2-m klasse. Izd. 3. Moskva, Prosveshchenie, 1964. 261 (i.e. 130) p.

UZBEK S. S. R. Ministerstvo prosveshcheniia. [Secondary school programs; physical education for grades 9-11] Urta maktab programmalari 1963/64 ukuv iili uchun; IX-XI sinflarda zhismonii tarbiia. Toshkent, Urta va olii maktab, 1963. 65 p. [In Uzbek]

ZEL'DOVICH, T. A., and S. A. KERAMINAS. [Training young basketball players; a manual for children's sports schools and school physical education collectives] Podgotovka iunykh basketbolistov; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 215 p.

9. MUSIC, THEATER & MOTION PICTURES

AKADEMIIA NAUK SSSR. Institut istorii iskusstv. [History of Soviet Russian music] Istoriia russkoi sovetskoi muzyki. Moskva, Muzgiz.
Vol. 4. 1946-1958.
Pt. 2. 1963. 402 p.

ALEKSANDROVA, V N., and E. F. BRONFIN. [Jean Sibelius, sketch of his life and works] IAn Sibelius; ocherk zhizni i tvorchestva. Moskva, Muzgiz, 1963. 148 p

AL'SHVANG, A. A. [Selected works in two volumes] Izbrannye sochineniia v dvukh tomakh. Red. kollegiia G. B Bernandt i dr. Moskva, Izd-vo Muzyka.
Vol 1. 1964. 430 p.

BEILIN, A. M. [People's Artist Aleksandr Borisov] Narodnyi artist Aleksandr Borisov. [Leningrad, Lenizdat] 1964. 114 p. (Nashi sovremenniki)

CHUDNOVSKII, M. A. Viktorina Kriger. Moskva, Iskusstvo, 1964. 117 p.

DZHAFAROV, DZH. [Azerbaijani dramatic theater, the Azizbekov Theater, 1873-1941] Azerbaidzhanskii dramaticheskii teatr, teatr im. Azizbekova, 1873-1941. Baku, Azerneshr, 1962. 425 p.

EISENSHTEIN, S. M. [Selected works in six volumes] Izbrannye proizvedeniia v shesti tomakh. Moskva, Iskusstvo.
Vol. 2. 1964. 564 p

FINKEL'SHTEIN, I. B [Some orchestration problems; orchestral timbre intensity and orchestral dynamics] Nekotorye problemy orkestrovki; napriazhennost' orkestrovogo tembra i orkestrovaia dinamika Moskva, Muzyka, 1964. 38 p. music (insert. V pomoshch' pedagogu-muzykantu)

GUSIN, I. L. [Orest Evlakhov, a sketch of his life and works] Orest Evlakhov, ocherk zhizni i tvorchestva. Leningrad, Muzyka, 1964. 117 p.

IAGOLIM, V., comp. [R. M. Gliere, a catalog of his musical compositions] R. M. Glier; notograficheskii spravochnik. Moskva, Muzyka, 1964. 111 p.

KOUKAL', V. F. [Vladimir Konstantinovich Sorokin, a sketch of his life and works] Vladimir Konstantinovich Sorokin, ocherk zhizni i tvorchestva, Leningrad, Muzyka, 1964. 48 p.

LAKOV, N. A., and V. V. SOKOLOVSKAIA. [Costumes for the national dances of the peoples of the U. S. S. R.] Kostiumy k tantsam narodov SSSR. Moskva, Iskusstvo, 1964. 126 p.

MALYSHEV, IU. V. [IU. S. Meitus; outline of his work] IU. S. Meitus, ocherk tvorchestva. Moskva, Sovetskii kompozitor, 1962. 134 p., plates
(NIC)

MEILIKH, E. I. [Johann Strauss; from the history of the Viennese waltz] Iogann Shtraus; iz istorii venskogo val'sa. Izd. 2., dop. Leningrad, Muzyka, 1964. 175 p. illus.

MUZALEVSKII, V. I. [The modern theme in the Soviet Russian romance] Sovremennaia tema v russkom sovetskom romanse. Leningrad, Muzyka, 1964. 239 p.

NECHAEVA, M. D. Vladimir Shneiderov. Moskva, Iskusstvo, 1964. 133 p. (Mastera kinoiskusstva)

PARAEV, A. M. [Altai folk musical instruments] Altaiskie narodnye muzykal'nye instrumenty. Gorno-Altaisk, Gorno-Altaiskoe knizhnoe izd-vo, 1963. 35 p.

[PEOPLE'S THEATERS; the image of our contemporary on the stage of the people's theater] Narodnye teatry; obraz sovremennika na stsene narodnogo teatra. Moskva, Izd-vo "Sovetskaia Rossiia," 1964. 76 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 10)

REMEZOV, I. I. A. S. Dargomyzhskii. Moskva, Muzgiz, 1963 123 p. (Shkol'naia biblioteka)

RUSSIA (1917- R. S. F. S R.) Ministerstvo kul'tury. [Leningrad State Theater of Comedy] Leningradskii gosudarstvennyi teatr komedii. Leningrad, 1964. 40 p. illus.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po radioveshchaniiu i televideniiu. Nauchno-metodicheskii otdel [With a microphone on the 45th parallel] S mikrofonom po 45-i paralleli. Moskva, 1962. 140 p.

[MICROFILM]

SHTEINPRESS, B. S. [Popular outline history of music up to the 19th century] Populiarnyi ocherk istorii muzyki do XIX veka. Moskva, Muzgiz, 1963. 447 p.

SOKOL'SKII, M. M. [Listening to time..., selected articles on music] Slushaia vremia..., izbrannye stat'i po muzyke. Moskva, Muzyka, 1964. 371 p.

SPENDIAROVA, M. A. Spendiarov. Moskva, Molodaia gvardiia, 1964. 203 p. illus. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 5(380))

[THEATRICAL ENCYCLOPEDIA] Teatral'naia entsiklopediia. Glav. red. P. A. Markov, chleny red. kollegii G. N. Boiadzhiev i dr. Moskva, "Sovetskaia Entsiklopediia," (Entsiklopedii, slovari, spravochniki)
Vol. 3. Ketcher-Nezhdanova. 1964. 1086 columns.

TURKMEN S. S. R. Ministerstvo narodnogo obrazovaniia. [Secondary school programs for the 1962-1963 school year, grades 1-6. Singing] Orta mekdebin programmalary, I-VI klas. Beshinzhi neshir. Ashgabat, Turkmenistan Dovlet Okuv-pedagog. Neshriaty, 1962. 21 p. [In Turkmen]

TURKMEN S. S. R. Ministerstvo narodnogo obrazovaniia. [Secondary school programs for the 1963-1964 school year; grades 1-6. Singing] Orta mekdebin programmalary 1963-64-nzhi okuv iyly uchin I-VI klas. Ashgabat, Turkmenistan Dovlet Okuv-Pedagog. Neshriaty, 1963. 30 p. [In Turkmen]

ZABORSKII, V. V. [David Abramovich Pritsker; a sketch of his life and works] David Abramovich Pritsker; ocherk zhizni i tvorchestva. Leningrad, "Muzyka," 1964. 75 p.

ZRIAKOVSKII, N. N. [General course in instrumentation; the symphony orchestra and the score] Obshchii kurs instrumentovedeniia, simfonicheskii orkestr i partitura. Moskva, Muzgiz, 1963. 543 p.

10. FINE ARTS

AKADEMIIA KHUDOZHESTV SSSR. [School of fine arts in ten issues] Shkola izobrazitel'nogo iskusstva v desiati vypuskakh. Moskva,
No. 10. 1963. 272 p. illus.

AKADEMIIA NAUK SSSR. Institut istorii iskusstv. [Early Russian art; the 17th century] Drevne-russkoe iskusstvo, XVII vek. Moskva, Nauka, 1964. 332 p. illus.

BARTENEV, I A. [Principles of architectural knowledge for artists] Osnovy arkhitekturnykh znanii dlia khudozhnikov. Moskva, Izd-vo "Iskusstvo," 1964. 241 p. illus.

DAVIDOVICH, V. G. [City and regional planning, engineering and economic principles] Planirovka gorodov i raionov; inzhenerno-ekonomicheskie osnovy. Izd. 2., perer. Moskva, Stroiizdat, 1964. 325 p.

ESIN, S. N. [Bard of Russian nature] Pevets russkoi prirody. IAroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 26p. (IUnomu kraevedu).

FEOFANOV, O. A. [Secrets of the golden frame] Tainy zolotoi ramy. Moskva, Politizdat, 1964. 62 p.

GRIVNINA, A. S. [17th century art in Western Europe] Iskusstvo XVII veka v Zapadnoi Evrope. Moskva, Izd-vo "Iskusstvo," 1964. 85 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

KARETNIKOVA, I. A., and M. A. KLIMOVA. [Graphic artists, in brief about the graphic arts] Khudozhniki-grafiki kratko ob iskusstve grafiki. Moskva, Izd-vo "Znanie," 1961. 47 p. (Novoe v zhizni, nauke, tekhnike. VI seriia: Literatura i iskusstvo, no. 13)

KAZARINOVA, V. I. [Interrelationship of architecture and structural engineering] Vzaimosviaz' arkhitektury i stroitel'noi tekhniki. Moskva, Stroiizdat, 1964. 175 p. illus.

LEBEDEVA, IU. A. [Early Russian art] Drevnerusskoe iskusstvo. Leningrad, In-t zhivopisi, skul'ptury i arkhitektury im. I. E. Repina, 1960. 188 p.
[MICROFILM]

LENINGRAD. ERMITAZH. [The State Hermitage, paintings] Gosudarstvennyi Ermitazh, zhivopis'. Moskva, Izogiz, 1961. [6] p. 50 plates. [In Russian, English, French, and German]

MIRIMANOV, V. B., and G. A. CHERNOVA. [Art of Africa] Iskusstvo Afriki. Moskva, Iskusstvo, 1964. 63 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, klubov i [illegible] shkol'nykh bibliotek)

[illegible], PETRAS. [Graphic works of art] Grafika. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1964. 19 p. 40 plates. [In Lithuanian, Russian, English, and French]

REMBRANDT HARMENSZOON VAN RIJN [Reproductions] Reproduktsii. [n. p.] Sovetskii khudozhnik, 1964. [3] p. 12 plates

[illegible], and I. P. [illegible]. [Urban housing; practices in the use of standard designs] Gorodskoe zhilishchnoe stroitel'stvo, opyt primeneniia tipovykh proektov. Moskva, Stroiizdat, 1964. 103 p. illus.

[illegible], B. V. [L. N. Tolstoi's 'Yasnaya Polyana,' album of reproductions] [illegible] L. N. Tolstogo, [illegible]. Leningrad, Khudozhnik RSFSR, 1961. 33 p. illus.

[illegible], M. A., and N. D. EFENDIEV. [Soviet Azerbaijan graphic arts] Azerbaijan sovet grafikasy. Baku, Azerneshr, 1963. 24 p. illus. [In Azerbaijani]

[illegible], I. M. [Russian [illegible] in the Hermitage collection] Russkoe [illegible] v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1964. 94 p. illus.

[illegible], M. A. [Mikhail Aleksandrovich Vrubel', an album] Mikhail Aleksandrovich Vrubel'. [Al'bom]. Moskva, [illegible], 1963. 8 p. illus.

II. LANGUAGE, LITERATURE & FOLKLORE

ABASHIDZE, I. V. [What Tbilisi has endured] Chto perezhil Tbilisi. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 150 p. illus. [In Georgian]

ADUEV, NIKOLAI. [Selected works, feuilletons, satirical verses, the comedy "Tobacco captain"] Izbrannoe. Fel'etony, satiricheskie stikhi, komediia "Tabachnyi kapitan." [Moskva, Sovetskii pisatel', 1963] 391 p.
(CtY)

AFRIKIAN, G. M., I. G. BAARIAN, and A. N. TER-MARTIROSIAN [Selected works] Izbrannoe. Erevan, Armianskoe gos. izd-vo] 1963. 397 p. [In Armenian]

[illegible], S. B. [Road to the mill. Doroga na mel'nitsu. Erevan, Armianskoe gos. izd-vo] 1964. 44 p. [In Armenian]

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Institut literatury. [Tumanian; studies and publications] Tumanian, issledovaniia i publikatsii. Erevan, Izd-vo Akad. nauk Armianskoi SSR, Erevan. [In Armenian]
Vol. 1. 1964. 405 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut literatury i iazyka. [Azerbaijani fairy tales. Azerbaidzhanskie skazki. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, In Azerbaijani]
Vols. 1-4. 1960- 4 v.
(MH)

AKADEMIIA NAUK SSSR. Bashkirskii filial, Ufa. Institut istorii, iazyka i literatury. [Russian-Bashkir dictionary. 40,000 words] Russko-bashkirskii slovar', 40000 slov. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 985 p.

AKADEMIIA NAUK SSSR. Institut iazykoznaniia. [Basic trends of structuralism] Osnovnye napravleniia strukturalizma. Moskva, Izd-vo "Nauka," 1964. 358 p.

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Studies on the historical lexicology of Old Russian] Issledovaniia po istoricheskoi leksikologii drevnerusskogo iazyka. Moskva, Izd-vo "Nauka," 1964. 318 p.

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Transformational method in structural linguistics] Transformatsionnyi metod v strukturnoi lingvistike. Moskva, Izd-vo "Nauka," 1964. 100 p.

AKADEMIIA NAUK SSSR. Kafedra inostrannykh iazykov. [Collection of topical texts for students of conversational speech; English] Sbornik tematicheskikh tekstov dlia izuchaiushchikh razgovornuiu rech'; angliiskii iazyk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 287 p.
(OTU)

AKPEROV, AKPER. [Invisible duel; a tale and stories] Nezrimyi poedinok; povest' i rasskazy. Baku, Azerneshr, 1964. 132 p.

AKSENOV, V. P. [Catapult, stories and a tale] Katapul'ta, rasskazy i povest'. Moskva, Sovetskii pisatel', 1964. 300 p.

ALEKSANDROV, S. [Shepherd by necessity] Pastyr' ponevole. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1960. 30 p
[MICROFILM]

ALEKSANDROV, V. K. [Under white canopies; a tale] Pod belymi kupolami, povest'. Moskva, Voenizdat, 1964. 295 p.

ALEKSANDROVA, L. P. [Soviet Russian literature] Russkaia sovetskaia literatura. [Kiev] Izd-vo Kievskogo univ., 1964. 298 p.

ALISHER, Mir, called al-NAWAI, 1441-1501. Divan. Izd. teksta, predisl. i ukazatelii L. V. Dmitrievoi. Moskva, Izd-vo "Nauka," 1964. 40, 344 (i. e. 408) p. [In Uzbek]

ALIMBAEV, MUZAFAR. [My Kazakhstan; verse and a poem] Moi Kazakhstan' stikhi i poema. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1963. 62 p.
(NIC)

ALTSHULER, NAUM. [Stone into the garden; satirical verse, and fables] Kamushek v ogorod, satiricheskie stikhi, basni. Riga, Latviiskoe gos. izd-vo, 1963. 110 p.
(NIC)

ANAN'IN, S. A. [Unconscious performer; satiric and humorous works] Nesoznatel'nyi ispolnitel'; proizvedeniia satiricheskie, iumoristicheskie. [Moskva] Mosk. rabochii, 1964. 79 p.

ANDRIASIAN, O. G. [Canary. Kanareika. Erevan, Armianskoe gos. izd-vo] 1963. 23 p. [In Armenian]

ANDRONIKOV, I. L. [Stories of a literary scholar] Rasskazy literaturoveda. Oformlenie O. G. Vereiskogo. Moskva, Gos. izd-vo detskoi lit-ry, 1962. 142 p. (Shkol'naia biblioteka)
(CIW)

ANIKIN, V. P. [Russian heroic epos, a teacher's text] Russkii bogatyrskii epos; posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 190 p.

ANTONENKO-DAVYDOVYCH, BORYS. [Mother's word; stories] Slovo materi, opovidannia. Kyiv, Derzh. vyd-vo dytiachoi lit-ry URSR, 1964. 126 p.
(NN)

ARENSHTEIN, A. I. [Youth of the party, a narrative about the creation and distribution of Lenin's "Iskra"] IUnost' partii, rasskaz o tom, kak sozdavalas' i rasprostranialas' leninskaia "Iskra." Moskva, Politizdat, 1964. 94 p.

AREVIAN, G. KH. [I'm also a prospector of mineral resources; sketches. IA tozhe issledovatel' nedr; ocherki. Erevan, Armianskoe gos. izd-vo] 1963. 164 p. [In Armenian]

ARSHAKOVICH, A. R. [On the wings of a storm; an historical novel. Na kryl'iakh buri, istoricheskii roman. Erevan, Armianskoe gos. izd-vo] 1964. 392 p. [In Armenian]

ATAROV, N. S. [Your good name] Tvoe dobroe imia. Moskva, Izd-vo polit. lit-ry, 1963. 60 p. (Vremia i liudi)
(NjP)

BABAIAN, V. A. [With you and without you. S toboi i bez tebia. Erevan, Armianskoe gos. izd-vo] 1963. 98 p. [In Armenian]

BABKIN, A. M., ed. [Problems of phraseology; studies and materials] Problemy frazeologii; issledovaniia i materialy. Moskva, Izd-vo "Nauka," 1964. 316 p.

BAKUNTS, AKSEL'. [Works in two volumes. Sochineniia v 2-kh tomakh. Erevan. In Armenian] 1964. 2 v.

BAKYKHANOV, A. [Literary works] Bedii eserler. Baky, Azerbaichan Dovlet Neshriiiaty, 1964. 360 p. [In Azerbaijani]

BALASANIAN, G. G. [If only the conscience would be clear; stories. Tol'ko by spokoinoi byla sovest'; rasskazy. Erevan, Armianskoe gos. izd-vo] 1963. 181 p. [In Armenian]

BAZHAN, M. P., and others, eds. [Universal grandeur of Shevchenko, collection of materials on the works of T. H. Shevchenko in three volumes] Svitova velych Shevchenka; zbirnyk materialy pro tvorchist' T. H. Shevchenka v tr'okh tomakh. Kyiv, Derzhlitvydav Ukrainy.
Vol. 3. [T. H. Shevchenko in literary studies conducted abroad] T. H. Shevchenko v zarubizhnomu literaturoznavstvi. Vstupna stattia H. D. Verves. Uporiadkuvannia ta prymitky IU. L. Bulakhovs'koi ta inshikh. 1964. 526 p.

BAZHOV, P. P. [Selected works in two volumes] Izbrannye proizvedeniia v dvukh tomakh. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 2 v.

BEISHEKEEV, NAMASBEK. [Characteristics of the language of the Kirghiz inhabiting Kazakhstan] Kazakstandagy kyrgyzdardyn tildik ozgocholuktoru. Frunze, Kyrgyz SSR Ilimder Akad. Basmasy, 1964. 83 p. [In Kirghiz]

BELIAKOV, P. A. [The attack began at dawn; a tale] Ataka nachalas' na rassvete; povest'. Tashkent, Gosizdat UzSSR, 1963. 172 p.
(MH) NIC)

BEZORUD'KO, V. H. [Straw hat; satire and humor] Solom'ianyi kapeliukh; satyra i humor. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1964. 212 p.
(CaOTU)

BIDNYNA, M. M. [Debut; miniatures and novellas] Debiut; miniatiury ta novely. Kyiv, Molod', 1963. 110 p.
(MH)

BILETZ'KYI, D. M. [Ukrainian children's literature; textbook for the pedagogical institutes of normal schools] Ukrains'ka dytiacha literatura; posibnyk dlia pedagogichnykh instytutiv peduchylyshch. Kyiv, Radians'ka shkola, 1963. 233 p.
(NN)

BILOUS, DMYTRO. [Confirmed by a statement, humor and satire, verse] Aktom podtverzhdaetsia; iumor i satira, stikhi. Moskva, Sovetskii pisatel', 1963. 55 p.
(MH)

[illegible], L. G. [Armenia in the work of Iakov Polonskii] Armeniia v tvorchestve Iakova Polonskogo. Erevan, Izd-vo AN Armianskoi SSR, 1963. 122 p.
(DLC)

BOGUSLAVSKII, A. O., and M. M. KUZNETSOV, eds. [illegible] Contemporaneity, Soviet Russian drama, stories of our times] O sovremennike i sovremennosti; russkaia sovetskaia dramaturgiia [illegible] Moskva, Izd-vo "Iskusstvo," 1964. 269 p.

BORODKIN, P. A. [Historical stories about Barnaul] Istoricheskie rasskazy o Barnaule. [Barnaul] Altaiskoe knizhnoe izd-vo, 1963. 147 p.
(NN)

BRODSKII, N. L. [Evgenii Onegin, a romance in verse by A. S. Pushkin. Textbook for the teacher] Evgenii Onegin, roman A. S. Pushkina. Posobie dlia uchitelia. Izd. 5. Moskva, Prosveshchenie, 1964. 414 p.

BRONTE, CHARLOTTE. [Shirley, a novel. Translated from the English] Sherli, roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 630 p.
([illegible])

BYCHKO, V. V. [Sonechko and Khmarynka] Sonechko i Khmarynka. Kyiv, Dytvydav, 1963. 14 p.

CHARNYI, M. B. [Direction of talent, articles and reminiscences] Napravlenie talanta; stat'i i vospominaniia. Moskva, Sovetskii pisatel', 1964. 406 p.

CHERNIAVS'KYI, MYKYTA. [That the sky does not fall] Shchob nebo ne padalo. Kyiv, Derzh vyd-vo khudozh lit-ry, 1963. 130 p
(CaOTU)

CHERNOLUSSKII, M. B. [Watchtower of love, a comedy] Kalancha liubvi, komediia. Moskva, Iskusstvo, 1963. 84 p.
(MH)

CHOU, SHU-JEN. [True history of A-k'u. Translated from the Chinese] Dostemenna istoriia A-k'iu. Munich, Vyd. "Na hori," 1963. 63 p. [Publ. under his pseud. Lu Hsin]
(NNC)

[CHRESTOMATHY OF UKRAINIAN LITERATURE FOR THE TENTH GRADE OF SECONDARY SCHOOLS] Khrestomatiia z ukrains'koi literatury dlia desiatoho klasu seredn oi shkoly. Vyd. 14. Kyiv, Radians'ka shkola, 1957. 463 p.
(NNC)

DADZIOMAU, ULADZIMIR. [Belozerskiy dairy] Belazerski dzionnik. Minsk, Dziarzhvydav BSSR, 1963. 213 p.
(MH)

DAGUROV, V. G. [My generation; verse] Moe pokolenie, stikhi. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 39 p.
(MH)

DEDIUKHIN, V. A. [April shower, a tale] Aprel'skii liven', povest'. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 166 p.
(MH)

DEMIRCHIZADE, A. M. [Stylistics of the Azerbaijani language] Azerbaichan dilinin uslubiiiaty. Baky, Azertedrisneshr, 1962. 270 p. [In Azerbaijani]

DEV. [This long road, verse. Etot dolgii put'; stikhi. Erevan, Armianskoe gos. izd-vo] 1963. 157 p. [In Armenian]

DOBROVOL'SKII, V. A. [August, the stars are falling; a tale] Avgust, padaiut zvezdy; povest'. Moskva, Sovetskii pisatel', 1964. 342 p.

DOLGOPOLOV, L. K. [Blok's poems and the Russian poem at the end of the 19th and beginning of the 20th century] Poemy Bloka i russkaia poema kontsa XIX - nachala XX vekov. Moskva, Izd-vo "Nauka," 1964. 167 p.

DONCHENKO, O. V. [Little blue screw] Holubyi hvyntyk. [Kyiv, Dytvydav, 1963] 20 p. (Dlia doshkil'noho viku)

DOROSHKO, P. O. [My thoughts, verse] Dumy moi, stikhotvoreniia. Leningrad, Sovetskii pisatel', 1963. *106 p.*
(MH)

DREMOV, A. K. [Struggle of the CPSU for party and national character in art] Bor'ba KPSS za partiinost' i narodnost' iskusstva. Moskva, Izd-vo "Znanie," 1964. 69 p. (Narodnyi universitet kul'tury. Fakul'tet literatury i iskusstva, no 6)

DUBROVIN, B. S. [Hearts unknown to the world, verse] Serdtsa, nevedomye miru, stikhi. Moskva, Voenizdat, 1964. 142 p.
(MH)

DZHAFAR, M. D. [From the history of Azerbaijani-Russian literary ties] Azerbaichan-rus edebi elageleri tarikhinden. Baky, Azerneshr, 1964. 153 p. [In Azerbaijani]

DZHAFAROV, S. A. [Lexicology of modern Azerbaijani] Muasir Azerbaichan dilinin leksikasy. Baky, Universiteti neshriiiaty, 1958. 166 p. [In Azerbaijani]
(WaU)

EESTI NSV TEADUSTE AKADEEMIA. Keele ja Kirjanduse Instituut. [Finno-Ugrian and Samoyedic philology in the Soviet Union in 1962, bibliography] *Soome-ugri ja samojeedi keeleteadus Noukogude Liidus 1962; bibliograafia.* Tallinn, 1963. 202 p. [In Estonian and *Russian*]

EFIMENKO, V. M. [Prisoner sentenced to death; a novel] Smertnik; roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 188 p.
(MH)

[*EVENINGS ON THE COLLECTIVE FARM*; chastushki of collective-farm youth] Kolkhoznye vechera; chastushki kolkhoznoi molodezhi. [Kirov] Kirovskoe knizhnoe izd-vo, 1961. 67 p.
[MICROFILM]

[FAR FROM HOME] Daleko ot doma, [sbornik. Sost. V. G. Spasskii] Moskva, Mosk. rabochii, 1963. 269 p.
(NIC)

FATKHULLIN, ZINNAT. [Selected works. Izbrannye proizvedeniia. Tashkent, Goslitizdat UzSSR] 1963. 2 v. [In Uzbek]
(MH)

FEDIN, K. A. [I was an actor, Old man, First joys] IA byl akterom, Starik, Pervye radosti. *Moskva*, Gos. izd-vo khudozh. lit-ry, 1960. 1 v.
(CSt)

FORSH, O. D. [Collected works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos. izd-vo khudozh. lit-ry.
Vols. 1-5. 1962-1963. 5 v.
(NN)

GOLOVCHENKO, I. KH. [The Chekists] Chekisty. Kyiv, Dnipro, 1964. *414 p.*

GORKI. UNIVERSITET. [L. N. Tolstoi; a collection of articles. On the 50th anniversary of his death] L. N. Tolstoi; sbornik statei. K 50-letiiu so dnia smerti. Gor'kii.
No. 3. Krasnov, G. V., ed. 1960. 250 p.
[MICROFILM]

GRIN, EL'MAR. [Another road; a novel] Drugoi put'; roman. [Moskva] Molodaia gvardiia, 1963. 2 v.
(MiU) (NNC)

GROMOV, V. A. [*Writers from Orel*] *Pisateli-orlovtsy.* [Orel] Orlovskoe knizhnoe izd-vo, 1961. 41 p.
[MICROFILM]

GULIAM, KHAMID. [First swallows; a novel. Translated from the Uzbek] Pervye lastochki; roman. Moskva, Izd-vo "Izvestiia," 1964. 589 p. (Biblioteka "Piat'desiat let sovetskogo romana)

GUSEINZADE, M. G. [Modern Azerbaijani; phonetics, morphology] Muasir Azerbaichan dili, fonetika, morfologiia. Baky, Azertedrisneshr, 1963. 274 p. [In Azerbaijani]

IAKIMOV, MIKHAIL. [Flower of the Mari Land; a tale. TSvetok zemli mariiskoi; povest'. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo, 1963] 102 p. [In Mari]
(MH)

IAROVYI, M. P. [Bouquet of wormwood; humor and satire] Polynovyi buket; humor ta satyra. [Kyiv] Radians'kyi pys'mennyk, 1964. 88 p.

IAZOVITSKII, E. V. [Speak correctly, a student's text] Govorite pravil'no; posobie dlia uchashchikhsia. Moskva, Izd-vo "Prosveshchenie," 1964. 270 p.

IIUL'SKII, R. V. [Case of Kirill Muromtsov] Delo Kirilla Muromtseva. . Moskva, Izd-vo polit. lit-ry, 1964. 150 p. (Povesti o dolakh i liudiakh partii)
(CSt-H)

INSHAKOV, P. K. [There were two friends] Byli dva druga. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 410 p.
(NIC)

ISAEV, M. I. [Outline of the phonetics of literary Ossetic] Ocherk fonetiki osetinskogo literaturnogo iazyka. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1959. 86 p.
[MICROFILM]

ISBAKH, A. A. [Book about a friend, life and work of Nikolai Bogdanov] Kniga o druge; zhizn' i tvorchestvo Nikolaia Bogdanova. [Moskva, Gos. izd-vo Detskoi lit-ry, 1963] 125 p. illus., facsims.
(RPB)

IUDINA, L. P., ed. [Practical textbook on Russian for foreigners] Prakticheskoe posobie po russkomu iazyku dlia inostrantsev. [Moskva] Izd-vo Mosk. univ., 1964. 244 p.

IUSUFOV, R. F. [Daghestan and Russian literature at the end of the 18th and in the first half of the 19th century] Dagestan i russkaia literatura kontsa XVIII i pervoi poloviny XIX v. Moskva, Izd-vo "Nauka," 1964. 267 p.

IUSUPOV, KH. G. [Phraseology of the Bashkir language. Frazeologiia bashkirskogo iazyka. Ufa, Sterlitamakskii gos. pedagog. in-t, 1963] 90 p. [In Bashkir]
(MH)

IVANENKO, O. D. [Little brother bear] Pro bratykavedmedyka. [Kyiv, Dytvydav, 1963] 17 p. (Dlia doshkil'noho viku)

IVANOV, E. F. [Along familiar trails; sketches, feuilletons, remarks of an older Siberian journalist] Znakomymi tropami; ocherki, fel'etony, zametki stareishego sibirskogo zhurnalista. [Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1964] 230 p.

KAMCHATSKOE LITERATURNOE OB"EDINENIE. [Kamchatka in the works of local prose and poetry writers] Kamchatka v proizvedeniiakh mestnykh prozaikov i poetov. Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 117 p.

KANUKOV, INAL. [Works] Sochineniia. [Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963] 368 p.
(MH)

KASUM-ZADE, K. KH. [Friendship of peoples in Soviet Azerbaijani literature] Druzhba narodov v Azerbaidzhanskoi sovetskoi literature. Baku, Azerneshr, 1963. 183 p.

KAZAKOVA, RIMMA. [Selected lyrics. Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 29 p. (Bibliotechka izbrannoi liriki)

KEKSTAS, JUOZAS. [Lyric poetry] Lyrika. Vilnius, Valstybine grozines lit-ros leidykla, 1964. 138 p. [In Lithuanian]

KHACHATRIAN, P. G. [Mountain flower. Gornyi tsvetok. Erevan, Armianskoe gos. izd-vo] 1963. 22 p. [In Armenian]

KHANDAMURIAN, U. M. [Where a train is going. Kuda vedet poezd Erevan, Aipetrat, 1964] 345 p [In Armenian]

KIBEK, MITRI, pseud. [The road glistens with silver in the moonlight; a tale. Skvoz' lunnyi svet serebritsia doroga, povest'. Cheboksary, Chuvashgosizdat] 1963. 122 p [In Chuvash]
(MH)

KOCHAR, RACHIIA. [Moonlight sonata. Lunnaia sonata. Erevan, Armianskoe gos. izd-vo] 1963. 63 p. [In Armenian]

KOCHETOV, VSEVOLOD. [To whom they gave their heart; social and political writing] Komu otdano serdtse, publitsistika. [Moskva] Sovetskii pisatel', 1963. 350 p.
(InU)

KOKOVIN, E. S. [Sun at night; a tale] Solntse v nochi; povest'. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 121 p.
(NjP)

KOLOSOV, M. M. [Bakhmut road. Little boy; tales] Bakhmutskii shliakh. Mal'chishka; povesti. [Kursk] Kurskoe knizhnoe izd-vo, 1963. 138 p.

KOPYLENKO, O. I. [Titmouse] Senchyk. Kyiv, Dytvydav, 1963. 10 p.

KOVALIV, P. K. [Purity and correctness of the Ukrainian literary language] Chystota i pravyl'nist' ukrains'koi literaturnoi movy. Vyd. 2. Washington, 1962. 33 p.
(InU)

KOZLOVA, N. [Works of Louis Aragon] Tvorchestvo Lui Aragona. Moskva, Mosk. gos. bibliotechnyi in-t, 1963. 66 p.
[MICROFILM]

KRAVCHENKO, IE. S. [Whatsoever ye soweth, that shall ye also reap, stories and a tale] Shcho posiiesh, te i pozhnesh; opovidannia ta povist'. Kyiv, Radians'kyi pys'mennyk, 1964. 232 p.

KRUHLIAK, IU. M. [Chuckles; fables, miniatures, feuilletons, jokes, chastushkas, epigrams, parodies, friendly jests] Smishynky, baiky, miniatiury, feiletony, zharty, chastivky, epigramy, parodii, druzhni sharzhi. Kyiv, Derzhlitvydav, 1963. 92 p.
(MH)

KRYMOV, IU. S. [Tanker "Derbent"; Engineer; tales] Tanker "Derbent," Inzhener, povesti. Moskva, Goslitizdat, 1963. 325 p. (Biblioteka sovetskoi prozy)

KUCHER, V. S. [Hunger; a novel] Golod; roman. Kiev, Radians'kyi pys'mennyk, 1963. 397 p.
(NIC)

KUDREVATYKH, L. A. [My contemporaries, sketches, literary portraits, reminiscences] Moi sovremenniki; ocherki, literaturnye portrety, vospominaniia. Moskva, Sovetskii pisatel', 1964. 446 p.

KUDRIASHOVA, E. I. [Stepan Zlobin as an author of historical novels; a critical biographic account (supplement to the second volume of "Uchenye zapiski")] Stepan Zlobin kak avtor istoricheskikh romanov; kritiko-biograficheskii ocherk (prilozhenie ko II tomu "Uchenykh zapisok." [Belgorod] Belgorodskoe knizhnoe izd-vo, 1961. 219 p.
[MICROFILM]

KUNIAEV, B. I. [Borders; lyrics] Grani; lirika. Riga, Latviiskoe gos. izd-vo, 1963. 108 p.
(NN)

KURBANOV, K [Turkmen riddles] Turkmen khalk matallary, monografiia. Cherzhev, V. I. Lenin Adyndaky Turkmen Dovlet Pedagogik Instituty, 1960. 281 p. [In Turkmen]
[MICROFILM]

KUTINA, L. L. [Formation of the language of Russian science; terminology of mathematics, astronomy, and geography in the first third of the 18th century] Formirovanie iazyka russkoi nauki; terminologiia matematiki, astronomii, geografii v pervoi treti XVIII veka. Moskva, Izd-vo "Nauka," 1964. 217 p.

KUZ'MIN, N. P. [Friends walk in step; a tale] Druz'ia shagaiut v nogu, povest'. Alma-Ata, Kazgoslitizdat, 1963. 190 p.
(MH)

KVIATKOVSKII, E. V., comp. [Russian literature, a reader for grades 5 and 6 of evening (staggered) schools] Russkaia literatura; uchebnik-khrestomatiia dlia V-VI klassov vechernikh (smennykh) shkol. Izd. 4. Moskva, Prosveshchenie, 1964. 398 p.

LAGIN, L. I. [Eaten up archipelago, satirical fairy tales and pamphlets] S"edennyi arkhipelag, satiricheskie skazki i pamflety. Moskva, Sovetskaia Rossiia, 1963. 244 p.
(MH) (NIC)

LEBEDYS, JURIS. [Mikalojus Dauksa; a monograph] Mikalojus Dauksa; monografija. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 422 p. [In Lithuanian]

LENINGRAD. UNIVERSITET. [Problems of the creative process of a literary work] Voprosy tvorcheskoi istorii literaturnogo proizvedeniia. [Leningrad] Izd-vo Leningr. univ., 1964. 236 p.

LERMONTOV, M. IU. [Selected works in two volumes] Izbrannye proizvedeniia v dvukh tomakh. Vstup. stat'ia P. G. Antokol'skogo. Sost. i podgotovka teksta B. M. Eikhenbauma. Primechaniia E. E. Naidicha. Moskva, Sovetskii pisatel', 1964. 2 v. (Biblioteka poeta. Bol'shaia seriia. 2. izd)

LEVIN, G. M. [A day of leave, verse of various years] Den' v otpusku; stikhi raznykh let. Moskva, Sovetskii pisatel', 1963. 143 p.
(NIC)

LEVIN, IU. I. [Mathematics and linguistics] Matematika i iazykoznanie. Moskva. Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia)

LIALENKOV, V. D. [Sisters Strogalev, stories and a tale] Sestry Strogalovy; rasskazy i povest'. Leningrad, Sovetskii pisatel', 1964. 179 p.
(MH)

LIPEROVSKII, V. P. [Category of mood in modern literary Hindi] Kategoriia naklonenija v sovremennom literaturnom khindi. Moskva, Nauka, 1964. 66 p.

[THE LITTLE STAR; an almanac for school children] Zvezdochka; al'manakh dlia shkol'nikov. [Leningrad, Izd-vo "Detskaia literatura," 1964] 38 p.

L'VOVA, K. S. Elena. Moskva, Sovetskii pisatel', 1963. 1 v.
(CSt)

MAIAKOVSKII, V. V. [Maiakovskii as artist] Maiakovskii - khudozhnik. [Moskva, Sovetskii khudozhnik, 1963] 141 p.
(NjP)

MANDRIK, A. K. [Morning islands] Utrennie ostrova. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1963. 76 p.
(MH)

MANUILOV, V. A. [Reality, literature and literary stud- [illegible]
(ICU)

MARSHAK, S. IA [Education through the word; articles, remarks, reminiscences] Vospitanie slovom; stat'i, zametki, vospominaniia. Moskva, Sovetskii pisatel', 1964. 583 p.

MASHRAB, BABARAKHIM. [Selected works. Izbrannye proizvedeniia. Tashkent, Goslitizdat UzSSR] 1963. 198 p. [In Uzbek] (Biblioteka uzbekskikh klassikov)
(MH)

MATUSOVSKII, M. L. [How are you, earth? A book of verse and songs] Kak pozhivaesh', Zemlia? Kniga stikhov i pesen. [Moskva] Sovetskii pisatel', 1963. 162 p.
(NIC)

MEL'NICHENKO, G. G. [Concise Yaroslavl Province dictionary embracing materials of previously compiled dictionaries (1820-1956) in two volumes] Kratkii IAroslavskii oblastnoi slovar', ob"ediniaiushchii materialy ranee sostavlennykh slovarei (1820-1956 gg.) v dvukh tomakh. IAroslavl', IAroslavskii gos. pedagog. in-t.
Vol. 1 [Introduction and the dictionary Vvedenie i slovar'] 1961. 223 p.
[MICROFILM]

MEN'SHUTIN, A. N., and A. D. SINIAVSKII. [Poetry of the initial years of the Revolution, 1917-1920] Poeziia pervykh let revoliutsii, 1917-1920. Moskva, Izd-vo "Nauka," 1964. 440 p.

METELITSA, S. B. [Red bird; a tale] Krasnaia ptitsa; povest'. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 147 p.
(MH)

MIEŽELAITIS, EDUARDAS. [Cardiogram, verse. Translated from the Lithuanian] Kardiogramma, stikhi. Moskva, Sovetskii pisatel', 1963. 215 p.

MIKSON, I. L. [The house near the bridge, stories] Dom u mosta; [rasskazy. Penza, Penzenskoe knizhnoe izd-vo, 1963] 131 p.
(MH)

MINKOV, SVETOSLAV. [It happened in Lampadeforia. Eto bylo v Lampadeforii. Erevan, Armianskoe gos. izd-vo] 1964. 39 p. [In Armenian]

MIRZAZADE, KH. I. [Historical morphology of Azerbaijani] Azerbaichan dilinin tarikhi morfolokiiasy. Baky, Azertedrisneshr, 1962. 369 p. [In Azerbaijani]

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [On the educational role of literature and art; the image of our contemporary] O vospitatel'noi roli literatury i iskusstva; obraz nashego sovremennika. Moskva, Izd-vo "Mysl'," 1964. 242 p.

MOSCOW (Province) Oblastnaia biblioteka. [The Moscow environs in the works of Soviet writers] Podmoskov'e v proizvedeniiakh sovetskikh pisatelei. Moskva, 1962. 11 p.
[MICROFILM]

MOZOLEVSKII, B. N. [Beginning of March; verse] Nachalo marta; stikhi. Kiev, Radians'kyi pys'mennyk, 1963. 100 p.
(NIC)

MULLINA, R. M. [The Kazakh language] Kazakhskii iazyk. Alma-Ata, Kafedra Kazakhskogo iazyka Kaz. gos. univ. im. S. M. Kirova.
Pt. 1. [Phonetics] Fonetika. 1958. 37 p.
[MICROFILM]

M[illegible]ZAEV, S. N. [Characteristics of the language [illegible] M. F. A[illegible] [illegible] comedies [illegible] Baky, [illegible], 1962 112 p [In Azerbaijani]

MUZAFAROV, R. I. [Tatar proverbs] Tatarskie narodnye poslovitsy. [Kazan'] Izd-vo Kazanskogo univ., 1959. 41 p.
[MICROFILM]

MYNKO, V[illegible] [illegible] comedies] Drama i [illegible] Moskva, Sovetskii pisatel', 1963 303 p
(MH)

NABATOV, G. I. [Mask is torn off; documentary tale] Maska sorvana; dokumental'naia povest'. Minsk, Gos izd-vo BSSR, 1963. [illegible] p
[illegible]

NAKANO, SHIGEHARU [Waves of Japan, verse. Translated from the Japanese] Volny IAponii, stikhi. Moskva, Izd-vo Pravda, 1961. 23 p (Biblioteka [illegible], no. 24)

[NAMES AT THE ROLL CALL; verse of soldiers fallen in the Great Patriotic War] Imena na poverke, stikhi voinov, pavshikh na frontakh Velikoi Otechestvennoi voiny. [Moskva] Molodaia gvardiia, 1963. 188 p.
(NNC)

[illegible], L. F., N. G. [illegible], and P. G. GORNAIA. [Modern literary Russian] Sovremennyi russkii literaturnyi iazyk. Kiev, Radians'ka shkola, 1964. [illegible] p

[NEW POETRY] Novinka poezii [By] N. Tikhonov i dr. [Moskva] Molodaia gvardiia, 1964. 46 p (Bibliotechka izbrannoi liriki)

OLIINYK, S. I. [Satire and humor, verse] Satira i iumor stikhi. Moskva, Goslitizdat, 1963. 266 p.
(MH)

[ON DISTANT MEADOWS, stories of Yakut writers. Translated from the Yakut] Na dalekikh alasakh, rasskazy iakutskikh pisatelei. Moskva, Sovetskaia Rossiia, 1963. 110 p.
(MH)

OSTROVOI, S. G. [I thought of you today..., verse and poems] Segodnia ia dumal o vas..., stikhotvoreniia i poemy. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 298 p

OVAKIMIAN, A. A. [The shot. Vystrel. Erevan, Armianskoe gos. izd-vo] 1963. 72 p. [In Armenian]

OVALOV, L. S [Secret weapon, a novel] Sekretnoe oruzhie, roman, [Moskva] Molodaia gvardiia, 1963. 206 p

OVANESIAN, R. K. [Silence of the sea, verse Molchanie moria, stikhi Erevan] 1964. 261 p [In Armenian]

OVECHKIN, K. [Blue fire] Goluboi ogon'. [Blagoveshchensk] Amurskoe knizhnoe izd-vo, 1963. 70 p.

PANFEROV, A. I. [I am with you, life; a tale] IA s toboiu, zhizn'; povest'. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 166 p.
(MH)

PANOVA, V. F. [Works. Sochineniia] Leningrad, Gos. izd-vo khudozh. lit-ry, 1963. 2 v.
(CSt)

PARFANOWYCZ, SOPHIE. [Fairylike Oakwood; stories and sketches] Charivna dibrova; opovidannia i narysy. Chicago, 1964. 1964. 202 p.

PATTERSON, D. L. [Russia. Africa, verse and a poem] Rossiia. Afrika, stikhi i poema. [Rostov-na-Donu] Molodaia gvardiia, 1963. 71 p. (Pervaia kniga poeta)

PETROSIAN, A. F. [Only for you] Tol'ko dlia tebia, Erevan, 1964. 106 p. [Publ. under her pseud. Zarmandukht. In Armenian]

PETROSIAN, V. A. [Half-opened windows of a city. Poluotkrytye okna goroda. Erevan Armianskoe gos. izd-vo] 1964. 138 p. [In Armenian]

PETROV, V. I. [My beloved] Moi liubimye. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1963. 265 p.
(MH)

POKROVSKAIA, L. A. [Grammar of the Gagauz language; phonetics and morphology] Grammatika gagauzskogo iazyka, fonetika i morfologiia. Moskva, Izd-vo "Nauka," 1964. 297 p.

POLIAKOV, IU. S [Springhead] Istok. Syktyvkar, Komi knizhnoe izd-vo, 1963. 80 p
(MH)

POLIANKER, HERSHL. [Secret of long life, a novel. Translated from the Yiddish] Sekret dolgoletiia; roman. [By] Grigorii Polianker. Kiev, Radians'kii pis'mennik, 1963. 469 p.
(MH)

POLTORATZKY, MARIANNA A. Russkii fol'klor, khrestomatiia, stat'i i kommentarii. Russian folklore. New York [Rausen Bros. Publishers] 1964. 303 p.

PREVOST, A-F [Story of Chevalier des Grieux and Manon Lescaut. Translated from the French] Istoriia kavalera de Grie i Manon Lesko Izd podgotovili M V. Vakhterova i E A. Gunst. Moskva, Nauka, 1964. 287 p. (Literaturnye pamiatniki)

PROKOF'EV, A. A. ["Gorislava", the best of lyric poetry] Gorislava, luchshee iz liriki. Moskva, Molodaia gvardiia, 1963. 205 p.
(MH)

PUSHKIN, A. S. [Fairy tales] Skazki. Moskva, Gos. izd-vo detskoi lit-ry, 1963. 108 p. (Shkol'naia biblioteka dlia nerusskikh shkol)
(RPB)

PUSTOVOIT, P. G. [I. S. Turgenev's novel "Fathers and sons", literary commentary. A teacher's text] Roman I. S. Turgeneva, "Ottsy i deti"; literaturnyi kommentarii. Posobie dlia uchitelia. Moskva, Prosveshchenie, 1964. 204 p.

RACHIAN, KH. T. [Doctor, patient, and others. Vrach, bol'noi i drugie. Erevan, Armianskoe gos. izd-vo] *1964. 33 p. [In Armenian]*

RAKHMANIN, BORIS. [Good man; verse] Dobryi chelovek; stikhi. *Moskva, Sovetskii pisatel', 1963. 66 p.*
(MH)

RASTORGUEVA, V. S. [Comparative study of Tajik dialects] Opyt sravnitel'nogo izucheniia tadzhikskikh govorov. Moskva, Izd-vo "Nauka," 1964. 187 p.

ROZENTAL', D. E. [Culture of language] Kul'tura rechi. Izd. 3. [Moskva] Izd-vo Mosk. univ., 1964. 138 p.

ROZHDESTVENSKII R. I. [Selected lyrics. Izbrannaia lirika. Moskva] Molodaia gvardiia, 1964. 29 p. (Bibliotechka izbrannoi liriki)

[RUMANIAN LYRICS. Translated from the Rumanian. Rumynskaia lira Erevan, *Armianskoe gos. izd-vo]* 1964. 259 p. [In Armenian]

RUSHKIS, V. S. [Those who light up the stars; a thousand and one true stories] O tekh, kto zazhigaet zvezdy; tysiacha i odna byl'. Moskva, Sovetskii pisatel', 1964. 329 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; foreign languages: English, German, and *French, for grades 9-11]* Programmy srednei shkoly na 1964/65 uchebnyi god; inostrannye iazyki: angliiskii, nemetskii, frantsuzskii. IX-XI klassy. Moskva, Prosveshchenie, 1964. 24 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosviashcheniia. [Secondary school programs for the 1964-1965 school year; literature] Programmy srednei shkoly *na 1964/65* uchebnyi god, literatura. [Moskva] Prosveshchenie, 1964. 29 p.

[RUSSIAN WRITERS IN THE SARATOV REGION OF THE VOLGA VALLEY] Russkie pisateli v Saratovskom Povolzh'e. Saratov, *Privolzhskoe knizhnoe* izd-vo, 1964. 313 p.

RYBIN, V. F. [Secret of a bare rock; an adventure tale. Stories] Taina lysogo kamnia; prikliuchenskaia povest'. Rasskazy. Ashkhabad, Turkmenskoe izd-vo, 1964. 93 p.

SANZHIN, B. S., and G. D. DANDARON. *[Along the road* to the future; a tale. Dorogoi v budushchee; povest'. Ulan-Ude, Buriatskoe knizhnoe izd-vo] 1963. 231 p [In Buryat]
(MH)

SARKISIAN, M. D. [Girls, you've changed a great deal Ochen' izmenilis' vy, devushki. Erevan Armianskoe izd-vo] 1964 76 p. [In Armenian]

[SATIRE, HUMOR, LYRICS] Satira, iumor, lirika. [By] Vladimir Kotov i dr. Moskva, Sovetskaia Rossiia, 1963. 236 p.

SENOA, AUGUST. [Treasure of a jeweler, an historical novel. Translated from the Serbo-Croatian] Sokrovishche iuvelira; istoricheskii roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 280 p.
(NjP)

SEROV, N. [Roads, a tale] Dorogi; povest'. IAroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 176 p.

SHAKHNAZ, G. A. [I'm proud of you; verse. Toboiu gord; stikhi. Erevan, Armianskoe gos. izd-vo] 1963. 90 p. [In Armenian]

SHAMIAKIN, I. P. [Deep current, a novel] Glubokoe techenie; roman. Minsk, Gos. izd-vo BSSR, 1960. 300 p.
(NN)

SHARIPOV, ADI. [The daughter of a partisan; a tale Authorized translation from the Kazakh] Doch' partizana; povest'. [Alma-Ata] Kazgoslitizdat [1963] 215 p
(MH)

SHEVCHENKO, T. H. [Complete collected works in six volumes] Povne zibrannia tvoriv u shesty tomakh. Kyiv, Vyd-vo Akad. nauk URSR.
Vol. 3. [Dramatic works, tales] Dramatychni tvory, povisti, 1963. 607 p.
Vol. 4. [Tales] Povisti. 1963. 620 p.
Vol. 5. [Diary, autobiography] Shchodennyk, avtobiohrafiia, 1963. 303 p.
Vol. 6. [Letters, notes, folklore recordings] Lysty, notatky, fol'klorni zapysy. 1964. 639 p.

SHEVTSOV, I. M. [Family of the future] Sem'ia griadushchego. Moskva, Voenizdat, 1964. 435 p.
(MH)

SHIRAZI, SAADI. Kulistan. Baky, Azerneshr, 1962. 219 p. [In Azerbaijani]

SHKERIN, M. R. [Blue snowdrifts; a novel] Golubye sugroby; roman. [Moskva] Mosk. rabochii, 1964. 333 p.
(MH)

[SHORT SPANISH-RUSSIAN AND RUSSIAN-SPANISH DICTIONARY. 14,000 words] Kratkii ispansko-russkii i russko-ispanskii slovar'. 14000 slov. Sost. O. N. Filippova, M. Sanchos Pavon, L. I. Razygraeva. Izd. 3., ispr. i dop. Moskva, Sovetskaia Entsiklopediia, 1964. 471 p.

SIDORENKO, N. N. [My birches shall rustle; lyrics] Shumet' moim berezam; lirika. Moskva, Sovetskii pisatel', 1956. 253 p.
(IEN)

SIIVAS, ALEKSANDR. [Stones in the stove; novel] Kivid koles; romaan. Tallinn, Eesti Riiklik Kirjastus, 1964. 356 p. [In Estonian]

SILLANPAA, FRANS EEMIL. [Holy misery; the complete biography of a Finn. A novel. Translated from the Finnish] Pravednaia bednost'; polnaia biografiia odnogo finna. Roman. Moskva, Izd-vo "Khudozhestvennaia literatura, 1964. 174 p. *(Zarubezhnyi* roman XX veka)

SIMONIAN, K. A. [Smile. Ulybka. Erevan, Armianskoe gos. izd-vo] 1964. 68 p. [In Armenian]

SIMONOV, K. M. [Soldiers are made, not born; a novel (to be continued)] Soldatami ne rozhdaiutsia; roman. Moskva, Izd-vo "Khudozhestvennaia literatura.
Book 2. 1964. 79 p. (Roman-gazeta, no. 13(313))

SIMONOV, K. M. [Southern tales] IUzhnye povesti. Moskva, Sovetskii pisatel', 1963. 164 p.
(NNC)

SKLIARENKO, S. D. [Sviatoslav; a novel] Sviatoslav, roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 597 p.

SLOMINSKII, M. L. [The Lavrovs; a novel] Lavrovy; roman. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 246 p.
(ViMIM)

SOKOLOV, N. N. [In the drizzle under a rainbow, verse] V dozhdik pod radugoi; stikhi. Moskva, Sovetskaia Rossiia, 1963. 102 p.
(MH)

[SONGS OF HIROSHIMA. Translated from the Japanese] Pesni Khirosimy. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 166 p.

[STORIES ABOUT TUVA. Translated from the Tuvinian] Rasskazy o Tuve. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1957. 363 p.

TABIDZE, TITSIAN. [Selected works. Translated from the Georgian] Izbrannoe. Tbilisi, Zaria Vostoka, 1957. 207 p.
(NIC)

TAGANROG. LITERATURNYI MUZEI A. P. CHEKHOVA. [A. P. Chekhov, a collection of articles and materials] A. P. Chekhov, sbornik statei i materialov. Rostov-na-Donu.
Vol. 2. 1960. 1 v.
(MH)

TAMMSAARE, ANTON HANSEN. [I was in love with a German; novel] Ma armastasin sakslast; romaan. [2. trukk] Tallinn, Eesti Riiklik Kirjastus, 1964. 228 p. (His: Teosed) [In Estonian]

TEVOSIAN, P. E. [Fables. Basni. Erevan, Armianskoe gos. izd-vo] 1963. 42 p. [In Armenian]

TKACH, D. V. [Arena, a novel. Dangerous zone; a tale. Stories] Arena; roman, Nebezpechna zona; povist', Opovidannia. Kyiv, Molod', 1962. 352 p.
(WU)

TOLSTOI, A. K., graf. [Collected works in four volumes] Sobranie sochinenii [v chetyrekh tomakh]. Moskva, Izd-vo khudozh. lit-ry, 1963. 4 v.
(CLU) (NjP)

TOLSTOI, A. N. [Road to Calvary; a trilogy] Khozhdenie po mukam; trilogiia. Moskva, Izd-vo "Izvestiia"
Vol. 2. 1964. 400 p. (Biblioteka "Piat'desiat let sovetskogo romana").

TOLSTOI, L. N. [Indexes for the Complete Collected Works of L. N. Tolstoi; alphabetical index of works, alphabetical index of addressees, alphabetical index of proper names, chronological index of works] Ukazateli k Polnomu sobraniiu sochinenii L. N. Tolstogo; alfavitnyi ukazatel' proizvedenii, alfavitnyi ukazatel' adresatov, alfavitnyi ukazatel' imen sobstvennykh, khronologicheskii ukazatel' proizvedenii. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 664 p.

TOROSIAN, SH. A. [From the vale of youth; verse. Iz doliny iunosti; stikhi. Erevan, Armianskoe gos. izd-vo] 1963. 92 p. [In Armenian]

TULUB, Z. P. [In the boundless steppe beyond the Urals; a novel] V stepu bezkraim za Uralom; roman. Kyiv, Derzhlitvydav, 1964. 508 p.
(MH)

TUMANIAN, E. G. [Articles in modern Armenian] Artikli v sovremennom armianskom iazyke. Erevan, Izd-vo Erevanskogo gos. univ., 1963. 225 p.
(ICU) (NNC)

TURGENEV, I. S. [Stories. Verse in prose] Rasskazy. Stikhotvoreniia v proze. [3. izd.] Moskva, Gos. izd-vo detskoi lit-ry, 1962. 156 p. (Shkol'naia biblioteka)
(IU)

TURGENEV, I. V. [From the Paris archives of I. S. Turgenev] Iz Parizhskogo arkhiva I. S. Turgeneva. Red. I. I. Anisimov i dr. Moskva, Izd-vo "Nauka."
Book 1. [Unknown works of I. S. Turgenev] Neizvestnye proizvedeniia I. S. Turgeneva. 1964. 581 p. (Literaturnoe nasledstvo, vol. 73)

TURICHIN, I. A. [And the cherries bloom; a tale] A vishni tsvetut; povest'. Moskva, Znanie, 1963. 95 p. (Prochti, tovarishch!)
(MH)

TURKMEN S S. R. Ministerstvo narodnogo obrazovaniia. [Russian language programs for grades 2-8 of Turkmenian schools] Programma po russkomu iazyku dlia II-VIII klassov turkmenskoi shkoly. Ashkhabad, Turkmenuchpedgiz, 1963. 71 p.

TURKOV, A. M. Saltykov-Shchedrin. Moskva, Molodaia gvardiia, 1964. 366 p. (Zhizn zamechatel'nykh liudei. Seriia biografii, no. 8(383))

TVARDOVSKII, A. T. [Vasilii Terkin; a book about a warrior] Vasilii Terkin, kniga pro boitsa. Moskva, Izd-vo "Detskaia literatura," 1964. 230 p.

TYKHYI, NAUM. [Come to the road at dawn, a novel] V dorohy vykhod' na svitanni; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 475 p.
(CaOTU)

TYNIANOV, IU. N. [Death of Vazir-Mukhtar, Second Lieutenant Kizhe] Smert' Vazir-Mukhtara, Podporuchik Kizhe. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1963. 467 p.
(MH)

USYCHENKO, IU. I. [Black cross; a tale] Chernyi krest, povest'. 2., ispr. i dop. izd. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 351 p.

VAICAITIS, P. [There is a land] Yra salis. Vilnius, Valstybine grozines lit-ros leidykla. 1964. 142 p. [In Lithuanian]

VANSHENKIN, K. IA. [Great fires; several related stories] Bol'shie pozhary, neskol'ko istorii, sviazannykh mezhdu soboi. Moskva, Sovetskaia Rossiia, 1964. 206 p.

VARLAMOVA, I. G. [I'm looking for you; a novel] Ishchu tebia; roman. Moskva, Sovetskii pisatel', 1964. 407 p.

VASYLENKO, A. S., and B. M. MIZERNYTS'KYI, comp. [Ukrainian literature; a textbook for grade 7 of the eight-year school] Ukrains'ka literatura; pidruchnyk dlia 7 klasu vos'myrichnoi shkoly. Vyd. 4. Kyiv, Radians'ka shkola, 1963. 390 p.

VATATSY, N. B. [Belles lettres of Soviet White Russia, 1917-1960; bibliography of special issues] Mastatskaia literatura savetskai Belarusi, 1917-1960; bibliiagrafiia asobnykh vydanniau. Minsk, Dziarzhaunae vyd-va BSSR, 1962. 461 p.
(RPB)

VILLON, FRANCOIS. [Francois Villon; verse. Translated from the French] Fransua Vilon, stikhi. [Moskva, Gos. izd-vo khudozh. lit-ry, 1963] 214 p.
(RPB)

VIL'NYI, V. M. [Give me your hand, comrade; verse] Dai ruku, tovaryshu; poezii. Kyiv, Radians'kyi pys'mennyk, 1957. 94 p.

VINOKUROV, E. M. [Music; new verse] Muzyka; novye stikhi. Moskva, Sovetskii pisatel', 1964. 63 p.

[At the cross-
Na perekrestkakh
skazy. Moskva,
Izd-vo "Znanie," 1964. [illegible] p.

VOLKOV, I. F. [Socialist realism] Sotsialisticheskii realizm. Moskva, Iskusstvo, 1962. 94 p.
(NIC)

VOLOSHIN, A. N. [The roads are calling; Siberian tales] Dorogi zovut; sibirskie povesti. [Kemerovo, Kemerovskoe knizhnoe izd-vo, 1963] 245 p.
(MH) (NjP)

VORONIN, SERGEI. [Two lives; stories] Dve zhizni; rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 474 p.
(C)

VOYNICH, ETHEL LILLIAN (BOOLE). [Works in two volumes. Translated from the English] Sochineniia v dvukh tomakh. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 2 v.
(OU)

VOZNESENSKII, A A [Those who oppose peace, selected lyrics] Antimiry, izbrannaia lirika [Moskva] Molodaia gvardiia, 1964 221 p

VSESOIUZNAIA KOORDINATSIONNAIA KONFERENTSIIA, POSVIASHCHENNAIA ZAKONOMERNOSTIAM RAZVITIIA LITERATURNYKH IAZYKOV NARODOV SSSR V SOVETSKUIU EPOKHU. Alma-Ata, 1962. [Problems of the development of the literary languages of the peoples of the U. S. S. R. in the Soviet period, materials] Voprosy razvitiia literaturnykh iazykov narodov SSSR v sovetskuiu epokhu, materialy. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 378 p

[YOUNG VOICES, a collection of verse] Moldye golosa, sbornik stikhov. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1960. 71 p.
[MICROFILM]

ZABILA, N. L Skik - poskik [Kyiv, Dytvyzdav, 1963] 13 p.

ZALATA, F. D. [In the south, Mountain pass, Life and death; a trilogy] Na iuge, Pereval, Zhizn' i smert', trilogiia. Kyiv, Derzhlitvydav, 1964. 639 p.
(MH)

ZASENKO, O. IE. [Marko Vovchok, her life, works, and place in the history of literature] Marko Vovchok, zhittia, tvorchist', mistse v istorii literatury. Kyiv, Vyd-vo akad. nauk URSR, 1964. 653 p.

ZHILIN, B. I. [Black signal flags] Chernye flazhki. Astrakhan', Izd-vo "Volga," 1963. 239 p.

ZHUR, P. V. [Shevchenko's Petersburg] Shevchenkovskii Peterburg. [Leningrad] Lenizdat, 1964. 286 p.
(MH)

ZHURAVLEV, A. F. [Early road, a tale] Ranniaia doroga, povest'. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 150 p.

12. GEOGRAPHY & GEOLOGY

AKADEMIIA NAUK AZERBAIZHANSKOI SSR. Baku. Institut geografii. [Atlas of the Azerbaijan S. S. R.] Azerbaichan Sovet Sosialist Respublikasynyn, atlasy. Baky, SSRI Dovlet keolokiia komitesinin Bash keodezija ve kheritechilik idaresi, 1963. 213 p. [In Azerbaijani]

AKADEMIIA NAUK KIRGIZSKOI SSR
geologii. [Tectonics of the
northern Tien Shan] Tekton
Severnogo Tian'-Shania. F

* I.

[illegible] Laboratoriia osadochnykh [illegible] [Metals in sedimentary [illegible], ferrous metals, nonferrous light metals] M[illegible] chernye metally, [illegible] Moskva, Izd-vo "Nauka," [illegible]

[illegible] UZBEKSKOI SSR, Tashkent. Institut [illegible] [Problems of mineralogy and geo-[illegible]] [illegible] i geokhimii. Tashkent, Izd-vo [illegible] SSR, 1964. 278 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Otdelenie [illegible] nauk. [Minerals of Uzbekistan and [illegible] of their genesis] Poleznye iskopaemye [illegible] ikh genezisa. Tashkent, Izd-vo [illegible] SSR, 1964. 163 p.

[illegible], A. I. [Comparative characteristics of [illegible] in the Sayan-Altai fold area] [illegible] devonskikh otlozhenii [illegible] lasti. Moskva, Izd-vo [illegible], 1964. 122 p.

ANDRI[illegible], N. I. [Selected works] Izbrannye trudy. Moskva, Nauka.
Vol. 3. 1964. 834 p. illus.

[illegible] THE [illegible] OF HUMANITY, main problems of [illegible] U [illegible] chelovechestva, osnovnye [illegible]. [Moskva] Izd-vo Mosk. [illegible] 1964. [illegible] p.

[illegible]AN, N. R. [Jurassic stratigraphy and fauna of the [illegible] of the Armenian S. S. R.] Stratigrafiia i fauna [illegible] otlozhenii Alaverdskogo rudnogo raiona Armianskoi SSR. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 255 p. (Stratigrafiia i paleontologiia, no. 7)

[illegible]-STARYNKEVICH, I. D. [Handbook for the calculation of mineral formulas] Rukovodstvo po raschetu formul mineralov. Moskva, Izd-vo "Nauka," 1964. 222 p.

DAVY, ANDRE. [Down the Nile River on a kayak. Translated from the French] Po Nilu na kaiakakh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 261 p. illus. map.
(SRC)

DIKENSHTEIN, G. KH., and others, eds. [Conditions governing the sedimentation and the geochemical characteristics of Mesozoic and Cenozoic sediments in the western regions of Central Asia] Usloviia osadkonakopleniia i geokhimicheskaia kharakteristika mezo-kainozoiskikh otlozhenii zapadnykh raionov Srednei Azii. Moskva, Nedra, 1964. 180 p.

EFREMOV, A. N., and E. P. FEDOROVSKII. [Hundred roads and a hundred friends, Moscow, Cape Dezhnev, Kuril Islands, Sakhalin, the Maritime Territory, Moscow] Sto dorog, sto druzei, Moskva, Mys Dezhneva, Kuril'skie ostrova, Sakhalin, Primor'e, Moskva. [Moskva] Molodaia gvardiia, 1964. 191 p. illus. (Prikliucheniia, fantastika, puteshestviia)

FRUNZE. GOSUDARSTVENNAIA RESPUBLIKANSKAIA BIBLIOTEKA KIRGIZSKOI SSR. Otdel natsional'noi bibliografii. [Bibliography of Kirghizistan in four volumes] Bibliografiia Kirgizii v chetyrekh tomakh. [By] D. S. Losev. Frunze.
Vol. 3. No. 3. [Natural conditions and resources of Kirghizistan] Prirodnye usloviia i prirodnye resursy Kirgizii (1946-1955), ukazatel' literatury. 1963. 274 p.

INTERNATIONAL GEOLOGICAL CONGRESS. 22d, 1964. [Problems of ore genesis] Problemy genezisa rud. Moskva, Nedra, 1964. 384 p. (Its: Doklady sovetskikh geologov, Problema 5)

IURGENSON, P. B. [Along the unknown paths of Siberia] Nevedomymi tropami Sibiri. Moskva, Izd-vo "Mysl'," 1964. 45 p. (Geograficheskaia seriia: Zamechatel'nye geografy i puteshestvenniki)

KNIAZEV, A. [City on the Skalistyye archipelago] Gorod na Skalistom arkhipelage. Stavropol', Knizhnoe izd-vo, 1962. 117 p.
(MH)

KORZHYNS'KYI, A. F. [Hydrothermal alteration of rocks and their significance for understanding the ore formation process] Hidrotermal'no zmineni porody i ikh znachennia dlia rozuminnia protsesiv rudoutvorennia. Kyiv, Naukova dumka, 1964. 165 p.

KOSTYLEVA, E. E. [Some methods for studying ore-bearing quartz and practice in applying them] Nekotorye metody izucheniia rudonosnogo kvartsa i opyt ikh primeneniia. Moskva, Nauka, 1964. 97 p.

KOZHIN, A. I. [Characteristics of maturity, from a Bulgarian notebook] Cherty zrelosti, iz bolgarskoi tetradi. Moskva, Izd-vo "Pravda," 1964. 47 p. (Biblioteka "Ogonek," no. 25)

LIUFANOV, L. E. [Stratigraphy and lithology of the Paleozoic and Mesozoic in the western margin of the Vilyuy syneclise] Stratigrafiia i litologiia paleozoia i mezozoia zapadnoi okrainy Viliuiskoi sineklizy. Moskva, Izd-vo "Nauka," 1964. 108 p.

[LUTSK]. Luts'k. Kyiv, Mystetstvo, 1964. [6] p. illus.

MAKSIMOVICH, G. A. [Principles of the studies of karst] Osnovy karstovedeniia. Perm', Permskoe knizhnoe izd-vo.
Vol. 1. [Problems of karst morphology, speleology, and the hydrogeology of karst] Voprosy morfologii karsta, speleologii i gidrogeologii karsta. 1963. 444 p.

MANUILOVA, M. M., D. P. VAS'KOVSKII, and S. A. GURULEV. [Geology of the Pre-Cambrian in the northern part of the Lake Baikal region] Geologiia dokembriia Severnogo Pribaikal'ia. Moskva, Izd-vo "Nauka," 1964. 225 p.

MIKHAILOVA, N. A. [Characteristics of the quartz of a Devonian terrigenous formation and its possible source material] Kharakteristika kvartsa terrigenoi tolshchi devona i vozmozhnykh istochnikov ego snosa. Moskva, Izd-vo "Nauka," 1964. 69 p.

MOSCOW. INSTITUT GEOLOGII I RAZRABOTKI GORIUCHIKH ISKOPAEMYKH. [Biostratigraphy of the oil- and gas-bearing provinces of the U. S. S. R., paleontology and biostratigraphy of the Paleozoic sediments of the oil- and gas-bearing provinces of the U. S. S. R.] Biostratigrafiia neftegazonosnykh oblastei SSSR, paleontologiia i biostratigrafiia paleozoiskikh otlozhenii neftegazonosnykh oblastei SSSR. Moskva, Izd-vo "Nauka," 1964. 147 p.

MOSCOW. INSTITUT MERZLOTOVEDENIIA. [Thermal physics of freezing and thawing soils] Teplofizika promerzaiushchikh i protaivaiushchikh gruntov. Moskva, Nauka, 1964. 195 p.

NAKOVNIK, N. I. [Secondary quartzites of the U. S. S. R. and mineral deposits connected with them] Vtorichnye kvartsity SSSR i sviazannye s nimi mestorozhdeniia poleznykh iskopaemykh. Moskva, Izd-vo "Nedra," 1964. 338 p. map (insert)

NASENKO, IU. P. [Off the tourist roads; through India] V storone ot turistskikh dorog; po Indii. Moskva, Izd-vo "Nauka," 1964. 54 p. illus.

NATSIONAL'NYI KOMITET GEOLOGOV SOVETSKOGO SOIUZA. [Geology of the bottom of oceans and seas] Geologiia dna okeanov i morei. Moskva, Izd-vo "Nauka," 1964. 139 p. (Its: Doklady sovetskikh geologov. Problema 16)

NATSIONAL'NYI KOMITET GEOLOGOV SOVETSKOGO SOIUZA. [Pre-Cambrian geology] Geologiia dokembriia. Moskva, Nedra, 1964. 284 p. (Its: Doklady sovetskikh geologov, Problema 10)

OCHIROV, TS. O. [Geology of the Gusinoye-Ivolginsk part of the Buryat A. S. S. R.] Geologiia Gusino-Ivolginskoi chasti Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 154 p.

PONIZOVSKII, V. M. [Scarlet pearl of the Antilles] Alaia zhemchuzhina Antil. Moskva, "Mysl'," 1964. 79 p. illus. (Geograficheskaia seriia)

PROMPTOV, IU. G. [Through the central Tien Shan] Po TSentral'nomu Tian'-Shaniu. Frunze, Kirgizskoe gos. izd-vo, 1960. 60 p.

RIGA. Riga, Latvijas Valsts izd-ba, 1964. 1 v. (chiefly illus.) [In 6 languages]

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie geologii i okhrany nedr. Irkutskoe geologicheskoe upravlenie. [Recent data on the geology, petroleum potentials, and mineral resources of Irkutsk Province] Novye dannye po geologii, neftenosnosti i poleznym iskopaemym Irkutskoi oblasti. Moskva, Nedra, 1964. 278 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; geography] Programmy vos'miletnei shkoly; geografiia. Moskva, Prosveshchenie, 1964. 47 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school problems for the school year 1964-1965, geography] Programmy srednei shkoly na 1964/65 uchebnyi god; geografiia. Moskva, Prosveshchenie, 1964. 44 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [Atlas of Kalinin Province] Atlas Kalininskoi oblasti. Moskva, 1964. [8] p., 34 p. of maps.
(CSt-H)

SAFAROVA, S. A. [Into the depths of millennia with a microscope] S mikroskopom v glub' tysiacheletii. Moskva, Nauka, 1964. 55 p. (Nauchno-populiarnaia seriia)

SHVETS, V. N. [Along the roads of the Crimea; an automobile tourist's guide] Dorogami Kryma; sputnik avtoturista. Simferopol', Izd-vo "Krym," 1964. 133 p. (Sputnik avtoturista)

SMIRNOVA, M. N. [Principles of the geology of the U. S. S. R.] Osnovy geologii SSSR. Pod red. A. A. Bogdanova, Moskva, Vysshaia shkola, 1964. 435 p.

SOLNTSEV, N. A., ed. [Comprehensive geographical studies in the Zaraysk region, Moscow Province] Kompleksnye geograficheskie issledovaniia v Zaraiskom raione Moskovskoi oblasti. Moskva, Mosk. gos. univ. im. M. V. Lomonosova, 1961. 329 p.
[MICROFILM]

SOVA, P. P. [Get acquainted with the Carpathians! A photo report] Znakom'tes' - Karpaty! Fotoocherk. Uzhgorod, Zakarpatskoe obl. knizhno-gazetnoe izd-vo, 1963. 107 p. [In Russian and French]

SOVESHCHANIE PO PROBLEMAM TEKTONIKI. Moscow, 1963. [Problems of the comparative tectonics of ancient platforms; materials] Voprosy sravnitel'noi tektoniki drevnykh platform; materialy. Moskva, Nauka, 1964. 152 p.

SOVESHCHANIE PO PROBLEMAM TEKTONIKI, Moscow, 1963. [Tectonics, igneous activity and distribution of ore deposits; materials] Tektonika, magmatizm i zakonomernosti razmeshcheniia rudnykh mestorozhdenii; materialy. Moskva, Nauka, 1964. 237 p.

[STUDY OF THE GEOLOGY OF THE U. S. S. R.] Geologicheskaia izuchennost' SSSR. Glav. red. A. N. Assovskii i dr. Vil'nius, Akad. nauk Litovskoi SSR.
Vol. 43. [Lithuanian S. S. R.; the period of 1900-1955] Litovskaia SSR, period 1900-1955.
No. 1. [Published works] Pechatnye raboty. 1962. 257 p.

TOLSTIKOVA, N. V. [Mollusks of the Alay and Turkestan formations of the Badkhyz] Molliuski alaiskikh i turkestanskikh sloev Badkhyza. Moskva, Izd-vo "Nauka," 1964. 121 p. illus.

TSUNTS, M. Z. [Story of the Great Volga] Rasskaz o Bol'shoi Volge. Moskva, Sovetskaia Rossiia, 1964. 156 p.

TURKIN, V. N. [Through the jungles of Nepal] Skvoz' dzhungli Nepala. Moskva, Izd-vo "Mysl'," 1964. 205 p. (Geograficheskaia seriia: Puteshestviia, prikliucheniia)

URAL'SKOE PETROGRAFICHESKOE SOVESHCHANIE. 1st. [Igneous activity, metamorphism, metallogeny of the Urals; transactions]. Magmatizm, metamorfizm, metallogeniia Urala; trudy. Sverdlovsk, Akad. nauk SSSR. [illegible]
[illegible] complexes, [illegible] and [illegible]
[illegible]
[illegible] 1963. 425 p.

VALIKHANOV, CH. CH. [Collected works] Sobranie sochinenii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961- 5 v.
(KU)

VINOGRADOV, S. D. [Acoustic observations of rock-breaking processes] Akusticheskie nabliudeniia protsessov razrusheniia gornykh porod. Moskva, Nauka, 1964. 82 p.

VORONTSOV, E. A. [Ay Petri, the great canyon, a guidebook and manual] Ai-Petri — Bol'shoi kan'on, putevoditel'-spravochnik. Simferopol', Izd-vo "Krym," 1964. 61 p.

VOZIN, V. F., and V. V. TIKHOMIROVA. [Field atlas of Triassic bivalved and cephalopod mollusks in the northeastern part of the U. S. S. R.] Polevoi atlas dvukhstvorchatykh i golovonogikh molliuskov triasovykh otlozhenii Severo-Vostoka SSSR. Moskva, Nauka, 1964. 195 p. illus.

ZVIAGIN, B. B. [Electrography and structural crystallography of clay minerals] Elektronografiia i strukturnaia kristallografiia glinistykh mineralov. Moskva, Izd-vo "Nauka," 1964. 281 p.

13. SCIENCE

AFANAS'EV, V. A. [Physical methods of studying the structure of molecules of organic compounds] Fizicheskie metody issledovaniia stroeniia molekul organicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 247 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut fiziki, matematiki i mekhaniki. [Problems of strength and plasticity] Voprosy prochnosti i plastichnosti. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 81 p.

AKADEMIIA NAUK SSSR. Botanicheskii institut. [Plants of Central Asia; according to materials of the V. L. Komarov Botanical Institute] Rasteniia TSentral'noi Azii; po materialam Botanicheskogo Instituta im. V. L. Komarova. Sost. V. I. Grubov. Moskva, Izd-vo Akad. nauk SSSR.
No. 1. [Preface, Ferns, Bibliography] Vvedenie. Paporotniki, Bibliografiia. 1963. 165 p.

AKADEMIIA NAUK SSSR. Institut filosofii. Sektor filosofskikh voprosov estestvoznaniia. [Program on the philosophical aspects of present-day natural science (physicomathematical sciences); for students working independently and those attending the system of political education seminars] Programma po filosofskim voprosam sovremennogo estestvoznaniia (fiziko-matematicheskie nauki); dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Mysl', 1964. 36 p.

AKADEMIIA NAUK SSSR. Institut fizicheskoi khimii. [Study of the properties of ion-exchanging materials] Issledovanie svoistv ionoobmennykh materialov. Moskva, Nauka, 1964. 231 p.

AKADEMIIA NAUK SSSR. Institut fiziki Zemli. [Geothermal studies] Geotermicheskie issledovaniia. Moskva, Izd-vo "Nauka," 1964. 173 p.

AKADEMIIA NAUK SSSR. Institut fiziki Zemli. [Study of earth tides] Izuchenie zemnykh prilivov. Moskva, Nauka, 1964. 113 p.

AKADEMIIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. [The M. V. Lomonosov Museum in Leningrad] Muzei M. V. Lomonosova v Leningrade. Moskva, Izd-vo "Nauka," 1964. 63 p. illus.

AKADEMIIA NAUK SSSR. Institut khimicheskoi fiziki. [Hydrogen bonding] Vodorodnaia sviaz', sbornik statei. Moskva, Izd-vo "Nauka," 1964. 339 p.

AKADEMIIA NAUK SSSR. Institut prikladnoi geofiziki. [Studies on heat exchange in the atmosphere] Issledovaniia teploobmena v atmosfere. Moskva, Nauka, 1964. 94 p.

AKADEMII [illegible] ...tichnokoi astro- [illegible] -nomii. [illegible] -o- meridy [illegible] skva, N [illegible]

AKADEMIIA NAUK SSSR. Mezhduvedomstvennyi geofizicheskii komitet. [Tsunami, annotated bibliography in Russian and foreign languages for 1726-1962] TSunami, annotirovannaia bibliografiia na russkom i inostrannykh iazykakh za 1726-1962 gg. Moskva, Izd-vo "Nauka," 1964. 109 p.

AK[illegible]
No. 12. Mirkotan, S. F., and IU. V. Kushnerevskii. [Nonuniform structure and motions in the ionosphere] Neodnorodnaia struktura i dvizheniia v ionosfere. 1963. 162 p.

AKADEMIIA NAUK SSSR. Sektor seti spetsial'nykh bibliotek. [Optical masers (lasers); bibliographic index of Soviet and foreign literature for the period 1958 to June 1963] Kvantovye opticheskie generatory (lazery); bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury s 1958 po iiun' 1963 g. Moskva, Izd-vo "Nauka," 1964 175 p.

AKADEMIIA NAUK SSSR. Ural'skii filial. Institut biologii. [Materials on the classification of vegetation of the Urals; abstracts of reports at the conference in October 1959] Materialy po klassifikatsii rastitel'nosti Urala, tezisy dokladov na soveshchanii (oktiabr' 1959 goda). Sverdlovsk, 1959. 97 p.
[MICROFILM]

AKADEMIIA NAUK SSSR. Zoologicheskii institut [Radioactive isotopes in hydrobiology and the methods of sanitary hydrobiology] Radioaktivnye izotopy v gidrobiologii i metody sanitarnoi gidrobiologii. Otv. red. V. I. Zhadin. Moskva, Nauka, 1964. 191 p.

AKADEMIIA NAUK URSR, Kiev. Instytut hidrobiologii. [Kakhovka Reservoir; a hydrobiological outline] Kakhovs'ke vodoimyshche, hidrobiologichnyi narys. Kyiv, Naukova dumka, 1964. 303 p.

ANAN'EV, B. G., and B. F. LOMOV, eds. [On the problem of the perception of space and spacial images, materials of a scientific conference] K probleme vospriiatiia prostranstva i prostranstvennykh predstavlenii; materialy nauchnogo soveshchaniia. Leningrad, Leningr. nauchno-issl. in-t pedagogiki Akad. pedagog. nauk RSFSR, 1959. 108 p.
[MICROFILM]

ARAMANOVICH, I. G., and V. I. LEVIN. [Equations of mathematical physics] Uravneniia matematicheskoi fiziki. Moskva, Izd-vo "Nauka," 1964. 286 p. (Izbrannye glavy vysshei matematiki dlia inzhenerov i studentov vtuzov).

ARTAMONOV, I. D. [Optical illusions] Illiuzii zreniia. Izd. 2., perer. Moskva, Izd-vo "Nauka," 1964. 101 p.

BABENKO, K. I., and others. [Three-dimensional flow of an ideal gas past smooth bodies] Prostranstvennoe obtekanie gladkikh tel ideal'nym gazom. Moskva, Nauka, 1964. 505 p.

BARSOV, A. S. [Linear programming in technical and economic problems] Lineinoe programmirovanie v tekhniko-ekonomicheskikh zadachakh. Moskva, Izd-vo "Nauka," 1964. 277 p. (Fiziko-matematicheskaia biblioteka inzhenera).

BAZILEVICH, V. L., and L. V. BAZILEVICH. [Command system and programming for the BESM-2 computer] Sistema komand i programmirovanie dlia BESM-2. Leningrad, Izd-vo "Sudostroitel'stvo," 1964. 341 p.

[BELOVEZHSKAYA PUSHCHA] Belavezhskaia pushcha. Minsk, Vyd-va "Belarus'," 1964. 1 v. (chiefly illus.) (In White Russian and English)

BERDYSHEV, G. D., and V. N. SIPLIVINSKII. [V. V. Sapozhnikov, prominent Siberian scholar and trave Vydaiushchiisia Sibirskii uchenyi i puteshestvenn V. V. Sapozhnikov. Novosibirsk, Red.-izdatel'ski otdel Sibirskogo otd-niia AN SSSR, 1964. 133 p. (Zamechatel'nye uchenye-sibiriaki)

BUHAI, A. S. [Concise explanatory mathematical tionary] Korotkii tlumachnyi matematychnyi slo Za red. S. M. Kiro i IU. M. Shmandina. Kyiv, R s'ka shkola, 1964. 427 p.

BUIANOV, A. F. [Masters of the atoms] Vlasteliny atomov. [Moskva] Molodaia gvardiia, 1962. 237 p.

CHIBISOV, V V. [Derivation of square roots using the BESM-2 computer] Operatsiia izvlecheniia kvadratnogo kornia na mashina BESM-2 Moskva, Vychislitel'nyi tsentr AN SSSR, 1962 24 p (Soobshcheniia po vychislitel'noi tekhnike, no. 1)
[MICROFILM]

CHUNIKHIN, S. A. [Subgroups of finite groups] Podgruppy konechnykh grupp. Minsk, Izd-vo "Nauka i tekhnika," 1964. 157 p

COOKE, RICHARD G. [Infinite matrices and sequence spaces. Translated from the English] Beskonechnye matritsy i prostranstva posledovatel'nostei. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1960. 471 p.
(OU)

DOBROV, G. M., and A. IU. GOLIAN-NIKOL'SKII. [Century of great hopes, the fortunes of scientific and teknological progress in the 20th century] Vek velikikh nadezhd, sud'by nauchno-tekhnicheskogo progressa XX stoletiia. Kiev, Naukova, dumka, 1964. 176 p.

EFREMOV, V. V., ed. [Results of mass-vitaminization of industrial workers] Opyt massovoi vitaminizatsii promyshlennykh rabochikh. Moskva, Meditsina, 1964. 108 p. (Biblioteka sanitarnogo vracha)

EFREMOVA, N. A. [Medicinal plants of Kamchatka] Lekarstvennye rasteniia Kamchatki Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 76 p.

EGOROVA, I. A. [Mathematical analysis. Series, methodological textbook for correspondence students of pedagogical institutes] Matematicheskii analiz. Riady; uchebno-metodicheskoe posobie dlia studentov-zaochnikov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1960. 107 p.

EGOROVA, I. A. [Problems and exercises in mathematical analysis] Zadachnik-praktikum po matematicheskomu analizu. Moskva, Uchpedgiz.
Pt. 3. [Functions of several variables] Funktsii neskol'kikh peremennykh. Izd. 2. Pod red B. Z. Vulikha 1962. 102 p.

FILOV, V. A. [Determination of poisonous chemicals in biological substrates] Opredelenie iadokhimikatov v biologicheskikh substratakh. Moskva, Nauka, 1964. 250 p.

FOK, M. V. [Introduction to the kinetics of the luminescence of crystal phosphors] Vvedenie v kinetiku liuminestsentsii kristallofosforov. Moskva, Izd-vo "Nauka," 1964. 283 p.

GAVRILOV, V. I. [Transplantable cells in virology] Perevivaemye kletki v virusologii. Moskva, Meditsina, 1964. 267 p.

[illegible] nali] Prakticheskie [illegible] dlia uchitelei. [illegible] 1964. 111 p.

[illegible], and I. N. MIZ. [illegible] [Observations on [illegible] nabliu- [illegible], 1964. 148 p.

[illegible] [Terrestrial magnetism] Zemnoi [illegible] Izd-vo [illegible] [Morphology and theory of the earth's magnetic field and its variations] Morfologiia i teoriia [illegible] polia Zemli i ego variatsii. 1964. 41[illegible] p.

[illegible] [Motion and rest in nature] Dvizhenie [illegible] Moskva, Izd-vo "Znanie," 1964 [illegible] Estestvennonauchnyi [illegible]

INTERNATIONAL BIOPHYSICAL CONGRESS 1st, [illegible], 1961 [Problems of biophysics, materials] [illegible] biofiziki, materialy Moskva, Nauka, 1964 [illegible]

[illegible]AKIAN, I. A. [Electrochemical methods of gas analysis in physiology] Elektrokhimicheskie metody gazovogo analiza v fiziologii Otv red R P Ol'nianskaia Moskva, Nauka, 1964 78 p

[illegible], N. N., i dr. [Album of models in descriptive geometry] Al'bom modelei po nachertatel'noi geometrii. [By] L G Vin[illegible] i dr. [Podol'sk] Vysshaia shkola, 1963. 135 p.

KAZACHENKO, A. S. [Collection of questions and problems in physics] Sbornik voprosov i zadach po fizike Moskva, Mosk. khimiko-tekhnologicheskii institut im. D I Mendeleeva.
  Pt. 3 [Electricity, magnetism, and electromagnetism] Elektrichestvo, magnetizm i elektromagnetizm 1959. 79 p
[MICROFILM]

KAZAN GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT [Methodological textbook for the physics and mathematics faculty] Metodicheskii sbornik fiziko-matematicheskogo fakul'teta Kazan', 1963. 212 p

KHRULEV, M. V. [Polyvinyl chloride] Polivinilkhlorid. Moskva, Izd-vo "Khimiia," 1964 262 p.

KLEPEŠTA, JOSEF, and LADISLAV J LUKEŠ. [Map of the moon] Karta Luny. Prague, TSentral'noe upr. geodezii i kartografii, 1959. 41 p. maps. (in pocket)

KOKHANOVSKII, N. A. [Nature calendar of Khakassia] Kalendar' prirody Khakasii. Abakan, Khakasskoe knizhnoe izd-vo, 1959. 82 p.
[MICROFILM]

KOLESNIKOV, A. F. [Fundamentals of the mathematical processing of measuring results] Osnovy matematicheskoi obrabotki rezul'tatov izmerenii. Tomsk, Izd-vo Tomskogo univ., 1963. 46 p.

KOMAROVA, E. P. [Guide to pore fungi of White Russia] Opredelitel' trutovykh gribov Belorussii. Pod red. V P Kuprevicha. Minsk, Izd-vo "Nauka i tekhnika," 1964 342 p illus.

KRONROD, A. S. [Nodes and weights of quadrature formulas, sixteen-place tables] Uzly i vesa kvadraturnykh formul, shestnadtsatiznachnye tablitsy. Moskva, Izd-vo "Nauka," 1964. 143 p.

KUNCHENKO, A. I. [New trees and shrubs in the western Issyk-Kul' region, introduction, biology, and recommendations] Novye derev'ia i kustarniki v Zapadnom Priissykkul'e; introduktsiia, biologiia, rekomendatsii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 139 p.

KUPALOV, P. S., and others. [Situational conditioned reflexes in normal dogs and in pathology] Situatsionnye uslovnye refleksy u sobak v norme i patologii. [Leningrad] Meditsina, 1964. 274 p.

LAZAREV, V. G., and E. I. PIIL'. [Synthesis of asynchronous finite automata] Sintez asinkhronnykh konechnykh avtomatov. Moskva, Izd-vo "Nauka," 1964. 258 p.

LEBEDEV, A. N. [Atlas of maps and nomograms for calculating the characteristics of the duration of precipitation in periods with rain and without rain on the territory of the U. S. S. R.] Atlas kart i nomogram dlia rascheta kharakteristik prodolzhitel'nosti osadkov periodov s dozhdiami i bez dozhdei na territorii SSSR. Leningrad, Gidrometeoizdat, 1964. 85 p.

LEBEDEV, I. V [Spread of a flow in a limited space] Rasshirenie potoka v ogranichennom prostranstve. Pod red. S. V Izbasha Moskva, Mosk. energeticheskii in-t, 1963. 53 p.
[MICROFILM]

LEVADNYI, N K. [Problems in physics with solutions; optics] Zadachnik po fizike s resheniiami, optika [n. p.] Rosvuzizdat, 1963. 89 p.

LEVINA, F. IA. [Semidesert vegetation in the northern part of the Caspian Sea region and its significance as livestock feed] Rastitel'nost' polupustyni Severnogo Prikaspiia i ee kormovoe znachenie. Moskva, Nauka, 1964. 335 p.

LIUBITOV, IU. N. [Calculating the interaction of molecular flows with the vessels containing them] Raschet vzaimodeistviia molekuliarnykh potokov s ograzhdaiushchimi ikh sosudami. Moskva, Nauka, 1964. 146 p.

L'VOV, P. L. [Guide to the plants of Daghestan] Opredelitel' rastenii Dagestana. Makhachkala, Dagestanskii gos. univ. im. V. I. Lenina, 1960. 421 p.
[MICROFILM]

MOGILEVSKII, N. I. [Introduction to analysis; synopsis of lectures on mathematical analysis for persons who study without discontinuing work] Vvedenie v analiz; konspekt lektsii po matematicheskomu analizu dlia studentov, obuchaiushchikhsia bez otryva ot proizvodstva. Khar'kov, Khar'kovskii politekh. in-t im. V. I. Lenina, 1961. 85 p.
[MICROFILM]

MORALEVICH, IU. A. [Stories of synthetic chemistry] Rasskazy o bol'shoi khimii. Moskva, Politizdat, 1964. 141 p.

MOSCOW. UNIVERSITET DRUZHBY NARODOV. Kafedra nachertatel'noi geometrii i cherchenia. [Short Russian-English dictionary of terms in descriptive geometry and drawing] Kratkii russko-angliiskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 31 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. [Methodological recommendations on the determination of trace elements in soils, plant and animal organisms] Metodicheskie rekomendatsii po opredeleniiu mikroelementov v pochvakh, rastitel'nykh i zhivotnykh organizmakh. [n. p.] Otdel nauchno-tekhn. informatsii VIZha, 1963. 61 p. (V pomoshch' nauchnym i prakticheskim rabotnikam)
[MICROFILM]

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Kutaisskoe otdelenie. [Bibliography of research papers of the physiological laboratory of the Kutais State Pedagogical Institute for the last 25 years (1933-1958)] Bibliografiia nauchno-issledovatel'skikh rabot fiziologicheskoi laboratorii Kutaisskogo gosudarstvennogo pedagogicheskogo instituta im. A. TSulukidze za 25 let (1933-1958 gg.) Kutaisk, 1958. 28 p.
[MICROFILM]

NAUCHNAIA KONFERENTSIIA MOLODYKH UCHENYKH MOLDAVII 3d. [Transactions of the Third Conference of Young Moldavian Scientists] Trudy. Kishinev, "Kartia moldoveniaske."
  No. 2. [Biological and agricultural sciences] Biologicheskie i sel'skokhoziaistvennye nauki. 1964. 273 p.

NAZAROVA, I. V. [Effect of wind on air temperature in the European part of the U. S. S. R.] Vliianie vetra na temperaturu vozdukha Evropeiskoi chasti SSSR. Leningrad, Gidrometeoizdat, 1964. 125 p.

NIKITIN, E. E. [Modern theories of the thermal disintegration and isomerization of molecules in the gaseous phase] Sovremennye teorii termicheskogo raspada i izomerizatsii molekul v gazovoi faze. Moskva, Izd-vo "Nauka," 1964. 104 p.

NIZHNIY TAGIL. PEDAGOGICHESKII INSTITUT. [Mathematical research] Matematicheskie issledovaniia. Sverdlovsk, 1961. 67 p.
[MICROFILM]

NOVOCHERKASSK. POLITEKHNICHESKII INSTITUT. Kafedra vysshei matematiki. [Numerical and functional series; lectures for students of technical schools of higher education] Chislovye i funktsional'nye riady; lektsii dlia studentov tekhnicheskikh vuzov. Novocherkassk, 1963. 68 p.
[MICROFILM]

[NUTRITION OF CHILDREN] Detskoe pitanie. Erevan, Armianskoe gos. izd-vo] 1964. 259 p. [In Armenian]

PANOV, D. IU. [Slide rule] Schetnaia lineika. Izd. 17., isp. Moskva, Izd-vo "Nauka," 1964. 167 p.

PERTSOV, L. A. [Natural radioactivity of the biosphere] Prirodnaia radioaktivnost' biosfery. Moskva, Atomizdat, 1964. 314 p.

POPOV, G. M., and I. I. SHAFRANOVSKII. [Crystallography] Kristallografiia. Izd. 4., ispr. i dop. Moskva, Vysshaia shkola, 1964. 369 p.

PRATUSEVICH, IU. M. [Mental fatigue of school children, symptomatology, physiological nature and means of elimination] Umstvennoe utomlenie shkol'nika, simptomatika, fiziologicheskaia priroda i puti ustraneniia. Moskva, Meditsina, 1964. 456 p.

[PROGRAM ON PHILOSOPHICAL PROBLEMS IN BIOLOGICAL, MEDICAL AND AGRICULTURAL SCIENCES; for students working according to individual programs and students of seminars of the system of political education] Programma po filosofskim problemam biologicheskikh, meditsinskikh i sel'skokhoziaistvennykh nauk; dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo "Mysl'," 1964. 59 p.

RABOVIK, IA. I., O. M. ORESHKINA, and E. G. [illegible]CHEVA. [Laboratory manual of qualitative analysis for correspondence-course students of the faculties of agronomy and zootechny] Rukovodstvo k prakticheskim zaniatiiam po kachestvennomu analizu dlia studentov-zaochnikov agronomicheskogo i zootekhnicheskogo fakul'tetov. Moskva, 1963. 170 p. diagr. (insert)

RACHINSKII, V. V. [Introduction to the general theory of the dynamics of sorption and chromatography] Vvedenie v obshchuiu teoriiu dinamiki sorbtsii i khromatografii. Moskva, Izd-vo "Nauka," 1964. 136 p.

RAIKOV, B. E. [Christian Pander; a prominent biologist-evolutionist, 1794-1865] Khristian Pander; vydaiushchiisia biolog-evoliutsionist, 1794-1865. Moskva, Izd-vo "Nauka," 1964. 96 p. (Nauchno-biograficheskaia seriia)

[REPORTS AT THE 15TH ANNUAL LECTURE IN MEMORY OF N. A. KHOLODKOVSKII, APRIL 16, 1962] Doklady na piatnadtsatom ezhegodnom chtenii pamiati N. A. Kholodkovskogo 16 aprelia 1962 g. Moskva, Nauka, 1964. 92 p.

REUTOV, O. A. [Theoretical principles of organic chemistry] Teoreticheskie osnovy organicheskoi khimii. [Moskva] Izd-vo Mosk. univ., 1964. 697 p.

REZNIKOV, L. I. [International system of units in a physics course for secondary schools] Mezhdunarodnaia sistema edinits v kurse fiziki srednei shkoly. Izd. 2., dop. Moskva, Prosveshchenie, 1964. 71 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; biology] Programmy vos'miletnei shkoly; biologiia. Moskva, Prosveshchenie, 1964. 35 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school programs for the 1964-1965 school year; biology] Programmy srednei shkoly na 1964/65 uchebnyi god; biologiia. Moskva, Prosveshchenie, 1964. 16 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; chemistry] Programmy srednei shkoly na 1964/65 uchebnyi god, khimiia. Moskva, Prosveshchenie, 1964. 29 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; mathematics] Programmy srednei shkoly na 1964/65 uchebnyi god; matematika Moskva, Prosveshchenie, 1964. 29 p.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Physics; program, methodological instructions, and test problems for students of correspondence technical high schools (with the assigned scope of subject 210 hours)] Fizika; programma, metodicheskie ukazaniia i kontrol'nye zadaniia dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii (s ob"emom predmeta 210 chasov). 3. izd. Moskva, Vysshaia shkola, 1961. 125 p.

[RUSSIAN-CZECH DICTIONARY ON NUCLEAR PHYSICS AND ENGINEERING] Russko-cheshskii slovar' po iadernoi fizike i tekhnike. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 303 p.

SAVEL'EV, I. V. [General physics course] Kurs obshchei fiziki. Moskva, Izd-vo "Nauka,"
Vol. 2. [Electricity] Elektrichestvo. 1964. 335 p.

SEMINAR PO METODAM MATEMATICHESKOGO MODELIROVANIIA I TEORII ELEKTRICHESKIKH TSEPEI. [Mathematical modeling and electrical circuits; transactions] Matematicheskoe modelirovanie i elektricheskie tsepi; trudy. Kiev, "Naukova dumka."
No. 2. 1964. 395 p.

SHARONOV, V. V. [The Moon is the first station on the way to space] Luna - pervaia stantsiia na puti v kosmos. Moskva, Voenizdat, 1964. 97 p. (Nauchno-populiarnaia biblioteka)

SHCHUKAREV, S. A. [Lectures for a general chemistry course] Lektsii po obshchemu kursu khimii. Leningrad] Izd-vo Leningr. univ.
Vol. 2. 1964. 440 p.

[SHORT CHEMICAL ENCYCLOPEDIA] Kratkaia khimicheskaia entsiklopediia. Red. kollegiia: I. L. Knuniants i dr. Moskva, Izd-vo "Sovetskaia Entsiklopediia." (Entsiklopedii, slovari, spravochniki)
Vol. 3. [Maltase - Pyrolysis] Mal'taza - Piroliz. 1964. 1112 columns.

SMIRNOV, V. I., and N. A. LEBEDEV. [Constructive theory of functions of complex variables] Konstruktivnaia teoriia funktsii kompleksnogo peremennogo. Moskva, Izd-vo "Nauka," 1964. 438 p.

STANIUKOVICH, K. P., and S. M. KOLESNIKOV. [Gravitation] Gravitatsiia. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia, no. 15)

TANANAEV, N. A., and others. [Quantitative chemical fractional analysis, manual for practical work] Kachestvennyi khimicheskii drobnyi analiz; rukovodstvo k prakticheskim zaniatiiam. Sverdlovsk, Ural'skii politekhn. in-t imeni S. M. Kirova.
Pt. 1. Tananaev, N. A., ed. 1962. 83 p.
[MICROFILM]

TERENT'EV, A. P., and L. A. IANOVSKAIA. [Chemical literature and its use] Khimicheskaia literatura i pol'zovanie eiu. Moskva, Khimiia, 1964. 318 p.

TIRON, Z. M. [Hurricanes] Uragany. Leningrad, Gidrometeor. izd-vo, 1964. 237 p. (Na sushe, v more, v vozdukhe)

TSANEV, R. G., and G. G. MARKOV. [Biochemistry of cell division. Translated from the Bulgarian] Biokhimiia kletochnogo deleniia. Pod red. V. S. Shapot i I. B. Zbarskogo. Moskva, Meditsina, 1964. 118 p.

USPENSKII, G. A. [Laughing island] Smeiushchiisia ostrov. Kishinev, Gos. izd-vo Kartia moldoveniaske, 1963. 439 p. (Shkol'naia biblioteka)
(NjP) (NIC)

VADILO, P. S. [Crystallization of metals] Kristallizatsiia metallov. Moskva, Izd-vo "Metallurgiia," 1964. 181 p.

VINOGRADOVA, A. A., and others. [Problems and exercises on the theory and practice of calculations; elementary mathematics] Zadachnik-praktikum po teorii i praktike vychislenii; elementarnaia matematika. Pod obshchei red. L. M. Fridmana. Moskva, Uchpedgiz, 1960. 115 p

VOZDVIZHENSKII, G. S. [Pages from the history of the Kazan Chemical School] Stranitsy iz istorii Kazanskoi khimicheskoi shkoly. Kazan', Kazanskii khimiko-tekhnologicheskii in-t, 1960. 63 p.
[MICROFILM]

VSESOIUZNOE SOVESHCHANIE PO VOPROSAM FIZIOLOGII VEGETATIVNOI NERVNOI SISTEMY I MOZZHECHKA. 1st, Erevan, 1961. [Problems of the physiology of the vegetative nervous system and cerebellum, collection of reports] Voprosy fiziologii vegetativnoi nervnoi sistemy i mozzhechka, sbornik dokladov. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 610 p.

VYSHNEVS'KYI, P. F. [Showers and shower runoff in the Ukraine] Zlyvy i zlyvovyi stik na Ukraini. Kyiv, Naukova dumka, 1964. 288 p.

ZAKATOV, P. S. [Course in higher geodesy; spheroidal geodesy, theoretical geodesy, and the elements of gravimetry] Kurs vysshei geodezii; sferoidicheskaia geodeziia, teoreticheskaia geodeziia i osnovy gravimetrii Izd. 3., dop. i ispr Moskva, Izd-vo "Nedra," 1964. 503 p.

ZENKEVICH, I. G. [Destiny of talent; sketches of women mathematicians] Sud'ba talanta; ocherki o zhenshchinakh-matematikakh. [Briansk] Brianskii rabochii, 1964. 40 p.

ZHOGOLEV, E. A., and N. P. TRIFONOV. [A course in programming] Kurs programmirovaniia. Moskva, Izd-vo "Nauka," 1964. 386 p.

14. MEDICINE

AFANAS'EVA, L. V. [Industrial dust and its hygienic significance] Promyshlennaia pyl' i ee gigienicheskoe znachenie. Pod red. A. S. Arkhipova. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 23 p.
[DNLM MICROFILM]

AKADEMIIA MEDITSINSKIKH NAUK, Moscow. Institut pitaniia. [Manual for studies on the nutrition and health of the population] Rukovodstvo po izucheniiu pitaniia i zdorov'ia naseleniia. Pod red. A. A. Pokrovskogo. Moskva, Meditsina, 1964. 279 p.
(DNLM)

AKHABADZE, A. F., A. S. GUSAROVA, and L. A. KRIKUN. [Medicine as the guardian of beauty] Meditsina na strazhe krasoty. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 13)

ANOSOVA, L. N. [Hyperglycemia syndrome; pancreatic and extrapancreatic diabetes mellitus] Giperglikemicheskii sindrom; pankreaticheskii i vnepankreaticheskii sakharnyi diabet. [Moskva] Meditsina, 1964. 313 p.
(DNLM)

ARTEM'EV, S. A., V. D. KOCHETKOV, and G. G. SHTAN'KO. [Hygiene of the sex life] Gigiena polovoi zhizni. Moskva, Izd-vo "Znanie," 1964. 43 p. (Narodnyi universitet: Fakul'tet zdorov'ia, no. 13)

ARUTIUNOV, V. IA., and P. I. GOLEMBA. [Hemodermatoses] Gemodermii. Moskva, Meditsina, 1964. 302 p.
(DNLM)

AVDULINA, A. S. [Exercise therapy in cardiovascular diseases] Lechebnaia fizkul'tura pri serdechnososudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 95 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

AZERBAIJAN. Ministerstvo zdravookhraneniia. Respublikanskii dom sanitarnogo prosveshcheniia. [Gastrointestinal diseases in young children] Korpe ushaglarda me'de-bagyrsag khestelikleri, iaddash kitabchasy. Baky, 1961. 29 p. (Sovety roditeliam) [In Azerbaijani]
(DNLM)

BALMUKHANOV, S. B., and K. I. ZHOLKIVER. [Megavolt radiation therapy] Megavol'tnaia luchevaia terapiia Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 286 p.
(DNLM)

BELASH, L. F. [Trachoma] Trakhoma. Moskva, Meditsina, 1964. 15 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

BLINKIN, S. A. [Search and discoveries; through the pages of immunology] Poiski i otkrytiia; po stranitsam immunologii. Moskva, Izd-vo "Znanie," 1964. 70 p. (Narodnyi universitet. Fakul'tet zdorov'ia, nos. 15-16)

BODIAZHINA, V. I [Manual of obstetrics] Uchebnik akusherstva. 3. izd., dop. Moskva, Meditsina, 1964 451 p.
(DNLM)

DIADIUCHENKO, I. B., Z. A. DRUCHEVSKAIA, and B. A. ZARUBINA. [Building up strength in young children] O zakalivanii detei rannego vozrasta. Frunze, Kirgizskii nauchno-issl. in-t okhrany materinstva i detstva, 1963. 19 p.
[DNLM MICROFILM]

EFENDIEV, I. K. [History of medicine in Azerbaijan from ancient times to the 19th century] Istoriia meditsiny v Azerbaidzhane s drevneishikh vremen do XIX veka. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 277 p.

EREMIN, V. U. [Treatment of patients with chronic inflammatory diseases of the liver and biliary tract at the Truskavets Health Resort] Lechenie bol'nykh khronicheskimi vospalitel'nymi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. Kiev, Gosmedizdat USSR, 1964. 61 p.
(DNLM)

FREIDLIN, S. IA., ed. [Dispensary service for the urban population] Dispanserizatsiia gorodskogo naseleniia. [Leningrad] Meditsina. 1964. 349 p.
(DNLM)

GANNUSHKIN, P. B. [Selected works] Izbrannye trudy. Pod red. O. V. Kerbikova. Moskva, Meditsina, 1964. 290 p.
(DNLM)

GETSEU, V. V. [Mineral springs of Daghestan] Mineral'nye istochniki Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 142 p.
(DNLM)

GITMAN, S. M., and N. A. ZHUKOV. [Bibliographical index of Soviet dermatology and venereology for 1951—1958] Bibliograficheskii ukazatel' sovetskoi dermatologii i venerologii za 1951-1958 gg. Moskva, Meditsina.
Vol. 4. Book 1. 1964. 863 p.

GLADKIKH, S. G. [Preparations repelling bloodsucking insects and ticks] Sredstva otpugivaiushchie krovososushchikh nasekomykh i kleshchei. Moskva, Meditsina, 1964. 113 p. (Biblioteka prakticheskogo vracha)
(DNLM)

GODICHNAIA NAUCHNAIA SESSIIA INSTITUTA TERAPII AMN SSSR. 14th, 1963. [Atherosclerosis and thrombosis; transactions] Ateroskleroz i tromboz; trudy. Pod red. A. L Miasnikova. Moskva, Meditsina, 1964. 211 p.
(DNLM)

GOKHLERNER, G. B. [Sanitary culture to the masses! Educational visual aid on the methodology of sanitary culture] Sanitarnuiu kul'turu - v massy! Uchebno-nagliadnoe posobie po metodike sanitarnogo prosveshcheniia. Pod red. I. S. Sokolova. Moskva, In-t sanitarnogo prosveshcheniia M-va zdravookhraneniia SSSR, 1963. 30 p. illus.

[illegible] P. FEDOTOV, eds. [Materials [illegible]] [illegible] Tashkent, 1963.

[MICROFILM]

[illegible] and [illegible] [illegible] [illegible] Minsk, [illegible] Belarus', 1963. 214 p.

[illegible] and [illegible] V. CHUPRINA [Surgical [illegible] paralysis of the facial muscles] Khirurgi[illegible] paralichnykh [illegible] [Leningrad] Meditsina, 1964. 154 p. (Biblioteka prakticheskogo vracha)

(DNLM)

[illegible] L. M., and [illegible] V. M. SAFIANOVA. [Vec[illegible]] [illegible] Moskva, [illegible] 1964. 47 p. [illegible] VIII [illegible] (DNLM)

[illegible] KAGAN, A. G. [Peptic ulcer, causes and prevention] [illegible] i [illegible], prichiny i preduprezhdenie. Izd. 2, [illegible] Moskva, Meditsina, 1964. 73 p. ([illegible] meditsinskaia literatura)

(DNLM)

[illegible] PLENUM UCHENOGO MEDITSINSKOGO SOVETA, POSVIASHCHENNOGO 40-LETIIU USTANOVLENIIA SOVETSKOI VLASTI V ARMENII. Erevan, 1960. [Transactions of the Jubilee Plenum of the [illegible] Medical Council Dedicated to the 40th Anniversary of the Establishment of Soviet Power in Armenia] Trudy. Erevan, M-vo zdravookhraneniia Armianskoi SSR

Vol. 3. 1961. 234 p.

[DNLM MICROFILM]

KARAEV, R. G., and I. S. LARICHEV. [Health resorts of the Ukraine manual for medical selection of sanatorium and health resort treatment] Kurorty Ukrainy, posobie po meditsinskomu otboru na sanatorno kurortnoe lechenie. Kiev, Zdorov'e, 1964. 224 p.

(DNLM)

KAS'IANENKO, I. V. [Diseases of the digestive organs in elderly persons] Bolezni organov pishchevareniia v lits pozhilogo vozrasta. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 35 p.

(DNLM)

KASSIRSKII, I. A., and N. N. PLOTNIKOV. [Diseases of tropical countries] Bolezni zharkikh stran. Izd. 2. Moskva, Meditsina, 1964. 455 p.

(DNLM)

KETKO, M. L. [Health resorts, sanatoriums and rest houses of Uzbekistan] Kurorty, sanatorii i doma otdykha Uzbekistana. Tashkent, Medgiz, UzSSR 1959. 111 p.

[DNLM MICROFILM]

KHODYKIN, A. V [Therapeutic diet in atherosclerosis] Lechebnoe pitanie pri ateroskleroze. Izd 2 Moskva, Meditsina, 1964 39 p (Nauchno-populiarnaia meditsinskaia literatura)

(DNLM)

KHOMENKO, A. G. [Clinical aspects and treatment of cavernous forms of pulmonary tuberculosis] Klinika i lechenie kavernoznykh form tuberkuleza legkikh. Kiev, Izd-vo "Zdorov'e," 1964. 222 p.

(DNLM)

KOLPAKOV, M. G. [Adrenal glands and reanimation] Nadpochechniki i reanimatsiia. Moskva, Meditsina, 1964. 159 p.

(DNLM)

KONTSKII, F. M. [Physician and the patient, principles of medical service and the basic elements of medical ethics] Vrach i bol'noi; kul'tura meditsinskogo obsluzhivaniia i osnovnye elementy vrachebnoi etiki. Izd. 4. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo, 1964. 108 p.

(DNLM)

KOZLOV, V. A [Replantation of teeth] Replantatsiia zubov [Leningrad] Meditsina, 1964 96 p (Biblioteka prakticheskogo vracha)

(DNLM)

KUKOSH, V. I. [Pneumonectomy in chronic suppurative diseases of the lungs] Pnevmonektomiia pri khronicheskikh nagnoitel'nykh zabolevaniiakh legkikh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo, 1964. 482 p.

(DNLM)

KUPRIIANOV, V V [Medicine and quackery] Meditsina i znakharstvo Kishinev, Gos izd'vo "Kartia moldoveniaske," 1961. 23 p

[MICROFILM]

LUK'IANOV, V. S. [Russian bath] Russkaia bania. Moskva, Meditsina, 1964. 34 p. (Nauchno-populiarnaia meditsinskaia literatura)

(DNLM)

LUKOMSKII, I. I. [Manic-depressive psychosis] Maniakal'no-depressivnyi psikhoz. Moskva, Meditsina, 1964 114 p. (Biblioteka prakticheskogo vracha)

(DNLM)

MANEVICH, A. Z., and V. A. MIKHEL'SON [Fundamentals of anesthesia, manual for nurse-anesthetists] Osnovy narkoza, posobie dlia sester-anestezistov Pri uchastii sester-anestezistov N. G Krivenko i N E Medvedkovoi. Moskva, Meditsina, 1964. 162 p. (Biblioteka srednego medrabotnika)

(DNLM)

[MATERIALS ON THE TOXICOLOGY OF RADIOACTIVE SUBSTANCES] Materialy po toksikologii radioaktivnykh veshchestv. Pod red. A. A. Letaveta i E. B. Kurliandskoi. Moskva, Meditsina,

No. 4. [Thorium-232, Uranium-238] Torii-232, Uran-238. 1964. 116 p.

MEZHDUNARODNAIA KNIGA. [Soviet books on medicine] Sovetskie knigi po meditsine. Moskva [1962] 189 p. (Katalog dlia zakazov No. 2)

MIASNIKOV, A. L., and I. A. RYVKIN, eds. [Incidence of hypertension and coronary arteriosclerosis and living conditions] Rasprostranenie gipertonicheskoi bolezni i koronarnogo ateroskleroza i usloviia zhizni, sbornik statei. Leningrad, Meditsina, 1964. 160 p.

(DNLM)

MIRSKII, M B [The chief physician of the republic] Glavnyi doktor respubliki. Moskva. Politizdat, 1964 92 p. (Geroi i podvigi)

MOSCOW. GOSUDARSTVENNAIA NAUCHNAIA MEDITSINSKAIA BIBLIOTEKA. [Malaria in Central Asia, bibliographic index of literature, 1878-1961] Maliariia v Srednei Azii, bibliograficheskii ukazatel' literatury (1878-1961 gg.). Sost. K. K. Shabanova, L. P. Shubenko i K. G. Shishova. Tashkent, Med. gos. izd-vo M-va zdravookhraneniia UzSSR, 1963. 122 p.

NAUCHNAIA [illegible]

25-L [illegible]

TEL [illegible]

TER [illegible] of the Reports of the Scientific Conference Dedicated to the 25th Anniversary of the Sochi Scientific Research Institute of Health Resort Therapy and Physiotherapy] Tezisy dokladov. Sochi, Sochinskii nauchno-issl. in-t kurortologii i fizioterapii, 1962. 138 p.

[DNLM MICROFILM]

NAUCHNAIA KONFERENTSIIA, POSVIASHCHENNAIA PROBLEMAM "KLIMAT, UCHENIE, SPORT," 2d, 1963. [Reports of the Second Scientific Conference Dedicated to the Problems "Climate, Training, Sports"] Doklady. Pod red. B. E. Bal'ko. Tashkent, Nauchno-issl. in-t pedagog. nauk, 1963. 237 p. (Seriia: Uchenie)

[DNLM MICROFILM]

NEVSKII, V. A., and D. D. FEDOTOV. [Russian neuropathology and psychiatry of the 18th and the first half of the 19th century (1700-1860); a bibliographical index] Otechestvennaia nevropatologiia i psikhiatriia XVIII i pervoi poloviny XIX veka (1700-1860 gg.), bibliograficheskii ukazatel'. Moskva, Vsesoiuz. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1964. 256 p.

RABEN, A. S. [Sarcoidosis, clinical aspects, pathological anatomy, etiology and treatment] Sarkoidoz, klinika, patologicheskaia anatomiia, etiologiia i lechenie. Moskva, Meditsina, 1964. 309 p.

(DNLM)

RESPUBLIKANSKAIA NAUCHNO-PRAKTICHESKAIA KONFERENTSIIA PO VRACHEBNO-TRUDOVOI EKSPERTIZE. 1st, 1959. [Important problems of the medical expertise of the capacity for work, transactions] Aktual'nye voprosy vrachebno-trudovoi ekspertizy; trudy. Kiev, Gosmedizdat USSR, 1962. 134 p.

RUKHMAN, L. E. [Fundamentals of orthopedics and the application of prostheses in children] Osnovy ortopedii i protezirovaniia u detei. [Leningrad] Meditsina, 1964. 525 p.

(DNLM)

RUSSIA (1917- R. S. F. S. R.) Ministerstvo zdravookhraneniia. [Transactions of the Irkutsk State Medical Institute dedicated to the 40th anniversary of its foundation] Sbornik trudov Irkutskogo gosudarstvennogo meditsinskogo instituta, posviashchennyi 40-letiiu so dnia ego osnovaniia. Irkutsk, 1959. 442 p.

[DNLM MICROFILM]

S"EZD KHIRURGOV RSFSR. 2d, Saratov, 1962 [Transactions of the Second Congress of Surgeons of the R. S. F. S. R.] Trudy. Saratov, Vseros. nauchn. med. ob-vo khirurgov, 1963. 583 p.

(DNLM)

SHABAD, A. L. [Work of the medical nurse in the urological ward] Rabota meditsinskoi sestry urologicheskogo otdeleniia. Moskva, Meditsina, 1964. 130 p. (Biblioteka srednego medrabotnika)

(DNLM)

SHAKHNOVICH, A. R., and V. R. SHAKHNOVICH. [Pupillography; objective examination of pupillary reactions and movements of the eyeball] Pupillografiia; ob"ektivnoe issledovanie zrachkovykh reaktsii i dvizhenii glaznykh iablok. Moskva, Meditsina, 1964. 250 p.

(DNLM)

SHALIMOV, A. A. [Surgery on the pancreas] Khirurgiia podzheludochnoi zhelezy. Moskva, Meditsina, 1964 226 p.

(DNLM)

SHERSHEVSKAIA, O. I [Changes in the visual organ in some cardiovascular diseases] Izmeneniia organa zreniia pri nekotorykh serdechno-sosudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 284 p.

(DNLM)

SHRAIBER, L. B., and A. Z. ZAKHIDOV. [Hygiene of intellectual work] Gigiena umstvennogo truda. Tashkent, Medgiz UzSSR, 1964. 42 p. (Nauchno-populiarnaia literatura)

SKORNIAKOVA, L. K., ed. [Experience in medical service for children] Opyt meditsinskogo obsluzhivaniia detei. Moskva, Meditsina, 1964. 77 p. (Peredovoi opyt organizatsii zdravookhraneniia)

(DNLM)

TAREEV, E. M., and A. K. SHUBLADZE, eds. [Epidemic hepatitis; Botkin's disease] Epidemicheskii gepatit, bolezn' Botkina. Moskva, Meditsina, 1964. 198 p.

(DNLM)

TEITEL'BAUM, G. N. [Hemodynamic disorders in some infectious diseases] Narusheniia gemodinamiki pri nekotorykh infektsionnykh zabolevaniiakh. [Leningrad] Meditsina, 1964. 187 p.

(DNLM)

TRAKHTMAN, N. N., and N. F. IZMEROV. [Communal hygiene] Kommunal'naia gigiena. Moskva, Meditsina, 1964. 346 p.

(DNLM)

TRIUMFOV, A. V. [Topical diagnosis of diseases of the nervous system; a brief manual] Topicheskaia diagnostika [illegible] sistemy, kratkoe rukovodstvo [illegible] [Leningrad] [illegible]

TSINZERLING, A. V. [Candidiasis of the lungs; pathological anatomy and pathogenesis] Kandidoz legkikh, patologicheskaia anatomiia i patogenez. [Leningrad] Meditsina, 1964. 154 p.
(DNLM)

VASIL'EV, K. G., and F. F. GRIGORASH. [Essays on the history of medicine and public health in Latvia] Ocherki istorii meditsiny i zdravookhraneniia Latvii. Moskva, Meditsina, 1964. 210 p.

VINOGRADOVA, T. P [Diagnosis of osteoarticular pathology by biopsy] Diagnostika kostno-sustavnoi patologii po biopsiiam Moskva, Meditsina, 1964 191 p.
(DNLM)

VOL'FOVSKAIA, R. N. [Preliminary and periodical examinations of workers] Predvaritel'nye i periodicheskie meditsinskie osmotry rabochikh. [Leningrad] Meditsina, 1964. 129 p. (Biblioteka sanitarnogo vracha)
(DNLM)

VSESOIUZNYI S"EZD DETSKIKH VRACHEI. 8th, Kiev, 1962. [Transactions of the Eighth All-Union Congress of Pediatricians] Trudy. Moskva, Meditsina, 1964. 530 p.
(DNLM)

ZABIROV, I. SH , and R. A. KHAUNINA. [Pharmacology of substances blocking adrenergic mediation] Farmakologiia sredstv, blokiruiushchikh adrenergicheskuiu mediatsiiu. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 157 p
(DNLM)

ZABIROV, R. D. Issyk-Kul'. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 51 p.
(DNLM)

15. AGRICULTURE

AKADEMIIA NAUK MOLDAVSKOI SSR. Institut zoologii. [Injurious entomofauna of Moldavia and measures for its control] Vrednaia entomofauna Moldavii i mery bor'by s nei. Kishinev, Kartia moldoveniaske, 1963. 108 p.
(DNAL)

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. [Breeding woody plants in Eastern Siberia] Selektsiia drevesnykh porod v Vostochnoi Sibiri. Moskva, Izd-vo "Nauka," 1964. 94 p.
(DNAL)

AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. [Materials from an exchange of experience in tree tapping; collected by the Forestry Laboratory of the Institute of Biology of the Ural Branch of the Academy of Sciences of the U. S. S. R., and the Tree Tapping Section of the Sverdlovsk Province Scientific and Technological Forestry Association] Materialy po obmenu opytom po podsochke lesa, sobrany Laboratoriei lesovedeniia Instituta biologii UFAN SSSR i Sektsiei podsochki lesa SVERDOBLNTOLESPROM. Sverdlovsk, 1959. 136 p.
(ICMILC)

AKADEMIIA NAUK TADZHIKSKOI SSR, Stalinabad. [Reports of soil scientists, agrochemists and reclamation experts of Tajikistan; for the Seventh International Congress of Soil Scientists in 1960] Doklady pochvovedov, agrokhimikov i melioratorov Tadzhikistana; k VII Mezhdunarodnomu kongressu pochvovedov 1960 goda. Stalinabad, 1960. 72 p. [In Russian and English]
[MICROFILM]

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Karakalpakskii filial. [Fish stock of the Aral Sea and methods for its efficient exploitation] Rybnye zapasy Aral'skogo moria i puti ikh ratsional'nogo ispol'zovaniia. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 193 p.

BAIDA, D. S. [Millet on virgin lands] Proso na tseline. Moskva, [Kolos] 1963. 99 p.
(DNAL)

BARTKEVICIUS, I., T. S. MULINA, and K. A. KACHALOVA. [The Kretinga fur farm] Kretingskoe zverokhoziaistvo. Moskva, Izd-vo "TSentrosoiuza, 1963. 15 p.
[DNAL MICROFILM]

BAZAVLUK, V. IU. [Inherited heterogeneity of tissues in plants] Nasledstvennaia neodnorodnost' tkanei u rastenii. Moskva, Izd-vo "Kolos," 1964. 44 p.
DNAL

BORISOV, P. G., and N. S. OVSIANNIKOV. [A manual of commercial fishes of the U. S. S. R.] Opredelitel' promyslovykh ryb SSSR. Izd. 4., perer. i dop. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 318 p.

[BREEDING WORK AND ARTIFICIAL INSEMINATION OF FARM ANIMALS] Plemennoe delo i iskusstvennoe osemenenie sel'skokhoziaistvennykh zhivotnykh; sbornik statei. Moskva, Izd-vo "Kolos," 1964. 205 p.
(DNAL)

CEPLAITIS, A. [Work of the production board of collective and state farms in Kedainiai District] Is Kedainiu gamybines kolukiu ir tarybiniu ukiu valdybos darbo patyrimo. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 42 p. [In Lithuanian]
(DNAL)

DANILOV, G. G. [From the history of agriculture in Mordovia] Iz istorii zemledeliia Mordovii Saransk, Mordovskoe knizhnoe izd-vo, 1964. 110 p.

DAVITAIA, F. F. [Cumulative temperature forecast and some problems of the seasonal development of nature] Prognoz obespechennosti teplom i nekotorye problemy sezonnogo razvitiia prirody. Moskva, Gidrometeoizdat, 1964. 130 p.

DEGTIAREVA, V. I. [Main lepidopteran pests of trees and shrubs in the Gissar Range and the Gissar Valley] Glavneishie vrednye cheshuekrylye drevesno-kustarnikovoi rastitel'nosti TSentral'noi chasti Gissarskogo khrebta i Gissarskoi doliny (Lepidoptera). Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 240 p.
(DNAL)

DEMCHENKO, P. V. [Chemistry and animal husbandry] Khimiia i zhivotnovodstvo. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 16)

ERSHOV, V. S., ed. [Manual of veterinary helminthology] Spravochnik po veterinarnoi gel'mintologii. Moskva, Izd-vo "Kolos," 1964. 367 p.
(DNAL)

[FLAX IS OUR WEALTH] Len - nashe bogatstvo. [Moskva] Mosk. rabochii, 1964. 65 p.
(DNAL)

GORKI (MOGILEVSKAYA OBLAST'). BELARUSKAIA AKADEMIIA SEL'SKAE HASPADARKI. Agronomicheskii fakul'tet. [Abstracts of the reports of the Scientific Conference of the Teaching Staff] Tezisy dokladov nauchnoi konferentsii professorsko-prepodavatel'skogo sostava (konferentsiia sostoitsia 16-19 aprelia 1963 g.) Gorki, 1963. 81 p.
(DNAL)

GROMOV, A. M. [Vegetative hybridization of poultry] Vegetativnaia gibridizatsiia ptits. Moskva, Izd-vo "Kolos," 1964. 141 p.
(DNAL)

GRYZAS, K., and P. MISEIKA. [Mechanization of milking] Karviu melzimo mechanizavimas. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 69 p. [In Lithuanian]
(DNAL)

GUTNIKOVA, Z. I., P. P. VOROB'EVA, and I. A. BUNKINA. [Ginseng and its cultivation] Zhen'shen' i ego vozdelyvanie. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 123 p.
(DNAL)

[HUNTING GROUNDS] Okhotnich'i prostory. Moskva, Fizkul'tura i sport.
Vol. 20. 1964. 230 p.

IVANOV, M. F. [Complete works in seven volumes] Polnoe sobranie sochinenii v semi tomakh. Mos Izd-vo "Kolos,"
Vol. 3. 1964. 614 p.
(DNAL)

IZHEVSK. SEL'SKOKHOZIAISTVENNYI INSTITUT [Materials of scientific conferences] Materialy nykh konferentsii. Izhevsk.
No. 9. [Agronomy] Agronomiia. 1961. 153
(DNAL)

KARPOVA-BENUA, E. I. [Adaptation of fungi to the parasitic existence on plant organisms; manual for students specializing in agronomy, fruit and vegetable growing, economics and farm organization] Prisposoblenie gribov k paraziticheskomu sushchestvovaniiu na rastitel'nykh organizmakh; posobie dlia studentov-zaochnikov po spetsial'nosti "Agronomiia,' Plodoovoshchevodstvo,' 'Ekonomika i organizatsiia sel'skogo khoziaistva.'" Balashikha, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1963. 16 p.
[DNAL MICROFILM]

KISELEV, G. E. [Floriculture] TSvetovodstvo. Izd. 3., ispr. i dop. Moskva, Izd-vo "Kolos," 1964. 983 p.
(DNAL)

KOVALENKO, D. D [Mechanization in viticulture and fruit culture] Mekhanizatsiia v vinogradarstve i sadovodstve. Simferopol', Krymizdat, 1959 189 p.
[DNAL MICROFILM]

KOZ'MINA, E. P. [Technological characteristics of groats and pulse crops] Tekhnologicheskie svoistva krupianykh i zernobobovykh kul'tur. Moskva, TSINTI GOSKOMZAGA, 1963. 293 p.
[DNAL MICROFILM]

KUROPATKIN, B. P. [New machines for grain harvesting by stages] Novaia tekhnika dlia razdel'noi uborki zernovykh kul'tur [Barnaul] Altaiskoe knizhnoe izd-vo, 1959 75 p.
[DNAL MICROFILM]

LARIN, I. V. [Meadow cultivation and pasture management] Lugovodstvo i pastbishchnoe khoziaistvo. 2., perer. i dop. Izd. Leningrad, Izd-vo "Kolos," 1964. 513 p.
(DNAL)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Biologijas instituts. [Forecasting in the protection of plants against diseases and pests] Prognoz v zashchite rastenii ot vreditelei i boleznei. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 269 p.
(DNAL)

LAZUR, G. L. [Manual for making up sets of agricultural machines] Spravochnik po agregatirovaniiu sel'skokhoziaistvennykh mashin. Alma-Ata, Kazsel'khozgiz, 1963. 66 p.
[DNAL MICROFILM]

LOGVINOV, D. D. [Veterinary obstetrics and gynecology] Veterinarnoe akusherstvo i ginekologiia. Kiev, Izd-vo "Urozhai," 1964. 436 p.
(DNAL)

LOZHECHKO, A. B. Kliment Timiriazev. Moskva, Politizdat, 1964. 70 p. (Geroi i podvigi)

[MANUAL ON FEED ANTIBIOTICS] Spravochnik po kormovym antibiotikam. Minsk, Izd-vo "Urozhai," 1964. 349 p.
(DNAL)

[illegible] NAIA NAUCHNAIA SEL'SKOKHO-[illegible] BIBLIOTEKA. [Book to aid the agricul-[illegible], an index of [illegible] spetsialistu [illegible], ukazatel' litera-[illegible] Moskva, [illegible] 19[illegible] 101 p. [illegible]

[illegible] TSENTRAL'NAIA NAUCHNAIA SEL'SKO-[illegible] BIBLIOTEKA [Electrification [illegible] ture, a bibliographic list] [illegible] atizatsiia sel'skogo khoziai-[illegible] spisok. Moskva, 1964. 20 p.

[illegible] TSENTRAL'NAIA NAUCHNAIA SEL'SKOKHO-[illegible] BIBLIOTEKA [Intensification of [illegible] U. S. S. R., general problems [illegible] index] Intensifikatsiia sel'skogo [illegible] SSSR, obshchie voprosy. Ukazatel' [illegible] Moskva, 1964. 23 p.

[illegible] TSENTRAL'NAIA NAUCHNAIA SEL'SKOKHO-[illegible] BIBLIOTEKA [Use of mineral [illegible] irrigation farming, a bibliographic list] [illegible] mineral'nykh udobrenii pri [illegible] grafichesk. ukazatel'. Moskva, 1964 [illegible]

[illegible] VETERINARNAIA AKADEMIIA. Veteri-[illegible] fakul'tet. Kafedra botaniki. [Method-[illegible] and preserving plants] Metodika [illegible] Sost. N. N. Bogdanov. Moskva, 1957. 14 p.

[DNAL MICROFILM]

[illegible] KONFERENTSIIA PO FARMAKOLOGII, 1962. [Materials of the Scientific Conference on [illegible] held in 1962] Materialy. Moskva, [illegible] Akad. MSKh RSFSR, 1962. [illegible]

[DNAL MICROFILM]

[illegible] KONFERENTSIIA PO PROBLEMAM GEL'MINTOLOGII. [Scientific Indus-[illegible] the Problems of Helminthology] [illegible] nauchno-issl. veterinarnyi [illegible], 1963. [illegible] (DNAL)

[illegible], M. I. [Sprinkler irrigation of farm crops [illegible] use in Kirghizistan] Dozhdeva-[illegible] kul'tur i perspektivy ego [illegible] Kirgizii. Frunze, Izd-vo Akad. nauk [illegible], 1964. 98 p. [illegible]

[illegible], and A. U. UBUKEEVA. [Wormwood [illegible] and its economic significance] Polyni [illegible] khoziaistvennoe znachenie. Frunze, [illegible] Akad. nauk Kirgizskoi SSR, 1964. 53 p. (DNAL)

[illegible], A. G. [Growing soybeans] Vozdelyvanie soi. Moskva, [illegible] izdat, 1964. 103 p. (DNAL)

[illegible]POV, V. G., I. V. KIZEVETTER, and A. V. ZHURAV-[illegible] [Tuna fish and swordfish of the Pacific and Indian Oceans] Tuntsy i mecheobraznye Tikhogo i Indiiskogo okeanov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 72 p.

POLIARNO-AL'PIISKII BOTANICHESKII SAD. [Plant introduction in Arctic regions] Pereselenie rastenii na Poliarnyi Sever. Moskva, Izd-vo "Nauka,"
Pt. I. Avrorin, N. A., and others. [Results of the introduction of herbaceous plants in 1932-1956] Rezul'taty introduktsii travianistykh rastenii v 1932-1956 gg. 1964. 498 p.
(DNAL)

POLESHCHUK, A. P. [Tree felling] Valka lesa. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 230 p.
(DNAL)

POLTEV, V. I. [Diseases of bees] Bolezni pchel. 4., dop. i pepr. izd. Leningrad, Izd-vo "Kolos," 1964. 288 p.
(DNAL)

PONOMAREVA, V. V. [Theory of the process of podzolization, biochemical aspects] Teoriia podzoloobrazovatel'nogo protsessa, biokhimicheskie aspekty. Moskva, Nauka, 1964. 377 p.

PRUDNIKOV, G. N. [Use feed resources wisely] Razumno ispol'zovat' kormovye resursy. [Moskva] Kolos, 1964. 82 p.
(DNAL)

RUBTSOV, V. I. [Pine plantations in the forest steppe of the Central Chernozem provinces] Kul'tury sosny v lesostepi tsentral'no-chernozemnykh oblastei. Moskva, Lesnaia promyshlennost', 1964. 315 p.
(DNAL)

RUDNEV, G. V. [Agricultural meteorology] Agrometeorologiia. Leningrad, Gidrometeoizdat, 1964. 277 p.
(DNAL)

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Principal methods for the diagnosis of virus diseases of farm crops] Osnovnye metody diagnostiki virusnykh boleznei sel'skokhoziaistvennykh rastenii. Moskva, Sel'khozizdat, 1963. 35 p.

[DNAL MICROFILM]

RUSSIA (1923- U. S. S. R.) Ministerstvo sel'skogo khoziaistva. Upravlenie semenovodstva. [Growing bulbous, cormatose and perennial flowers] Opyt vyrashchivaniia lukovichnykh, klubnelukovichnykh i mnogoletnikh tsvetochnykh rastenii. Moskva, Izd-vo "Kolos," 1964. 151 p.
(DNAL)

SANNIKOV, M. I. [Interbreeding various breeds in fine-wool sheep farming] Mezhporodnoe skreshchivanie v tonkorunnom ovtsevodstve. [Moskva] Izd-vo "Kolos," 1964. 414 p.
(DNAL)

SKRIABIN, K. I., and A. M. PETROV. [Principles of veterinary nematodology] Osnovy veterinarnoi nematodologii. Moskva, Izd-vo "Kolos," 1964. 522 p.
(DNAL)

STANKOV, N. Z. [Root system of field crops] Kornevaia sistema polevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 279 p.
(DNAL)

SUKHOV, K. S. [Virus diseases of early potatoes in Moscow Province and their control] Virusnye bolezni rannego kartofelia v Moskovskoi oblasti i bor'ba s nimi. Moskva, Izd-vo "Nauka," 1964. 76 p.
(DNAL)

TIAZHEL'NIKOV, A. D. [Advice to Siberian orchardists] Sovety sibirskim sadovodam. [Tomsk] Izd-vo Tomskogo univ. 1963. 108 p.
(DNAL)

TIUTIUNNIKOV, A. I., and A. I. ZIUZIN. [Feeds is the main thing] Korma - glavnoe. [Moskva] Moskovskii rabochii, 1964. 79 p.
(DNAL)

TOMME, M. F. [Feeds of the U. S. S. R.; composition and food value] Korma SSSR; sostav i pitatel'nost'. Izd. 4. Moskva, Izd-vo "Kolos," 1964. 446 p.
(DNAL)

UKRAINE. Upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatological manual for Lvov Province] Agroklimatychnyi dovidnyk po L'vivs'kii oblasti. Kyiv, Derzhsil'hospvydav URSR, 1959. 94 p.
(DNAL)

UKRAINE. Upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatological manual for Stalino Province] Agroklimaticheskii spravochnik po Stalinskoi oblasti. Leningrad, Gidrometeoizdat, 1959. 101 p.
(DNAL)

VASIL'EVA, L. I., and A. E. MATSENKO. [Key for the identification of weeds of the Virgin Territory] Opredelitel' sornykh rastenii tselinnogo kraia. Pod red. I. T. Vasil'chenko. Moskva, Izd-vo "Nauka," 1964. 128 p.
(DNAL)

VSESOIUZNAIA AKADEMIIA SEL'SKOKHOZIAISTVENNYKH NAUK IMENI V. I. LENINA. [Problems of veterinary hygiene] Problemy veterinarnoi sanitarii. Pod red. N. F. Rostovtseva. Moskva, Izd-vo "Kolos," 1964. 318 p.
(DNAL)

VSESOIUZNOE GIDROBIOLOGICHESKOE OBSHCHESTVO [Feeding habits of commercial marine fishes] Pitanie morskikh promyslovykh ryb. Moskva, Izd-vo "Nauka," 1964. 150 p.

VYKHODTSEV, I. V., ed. [Collection of works on geobotany] Sbornik rabot po geobotanike. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 141 p.
(DNAL)

ZAZECKIENE, K., and V. DOVYDAITIS. [illegible] Zirniu auginimas. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 45 p. [illegible] darbuotojo-praktiko bibliotekele) [In Lithuanian]
(DNAL)

ZELEPUKIN, V. S. [The attack continues; control of animal helminths] Nastuplenie prodolzhaetsia; bor'ba s gel'mintami zhivotnykh. Pod red. D. N. Antipina. Moskva, Izd-vo "Znanie," 1964. 20 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 15)

ZHANDERKIN, A. I. [Soviet wool-type goats] Sovetskie shorstnye kozy. Alma-Ata, Kainar'khozgiz, 1961. 53 p.
(DNAL)

ZORIN, F. M., and I. I. LAVRUCHUK. [Breeding and cultivation of citrus fruits in the northern part of the subtropics] Selektsiia i agrotekhnika tsitrusovykh na Severe subtropikov. Moskva, Izd-vo "Kolos," 1964. 231 p.
(DNAL)

16. TECHNOLOGY

ABDULLAEV, R. A., and KH. D. DZHAFAROV. [Theory and practice of the interpretation of geophysical observations, interpretation of the observations of seismic and electric prospecting in complex geological and geophysical conditions as revealed by studies made on the deposits of Azerbaijan] Teoriia i praktika interpretatsii geofizicheskikh nabliudenii, interpretatsiia seismorazvedochnykh i elektrorazvedochnykh nabliudenii v slozhnykh geologo-geofizicheskikh usloviiakh na primerakh mestorozhdenii Azerbaidzhana. Baku, Azerneshr, 1964. 198 p.

ADASINSKII, S. A. [Air-cushion vehicles] Transportnye mashiny na vozdushnoi podushke. Moskva, Izd-vo "Nauka," 1964. 105 p. (Nauchno-populiarnaia seriia)

AIVAZOV, B. V., and others. [Physicochemical constants of organic sulfur compounds] Fiziko-khimicheskie konstanty seraorganicheskikh soedinenii. Pod red. B. V. Aivazova. Moskva, Izd-vo "Khimiia," 1964. 279 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. [Rheological problems of the mechanics of rocks] Reologicheskie voprosy mekhaniki gornykh porod. Alma-Ata, 1964. 155 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut geologii. [Materials on the geology of ore deposits in the Tien Shan] Materialy po geologii rudnykh mestorozhdenii Tian'-Shania. Frunze, Izd-vo "Ilim," 1964. 140 p.

AKADEMIIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. [From the history of rocket engineering] Iz istorii raketnoi tekhniki. Moskva, Nauka, 1964. 264 p.

AKADEMIIA NAUK SSSR. Kol'skii filial, Kirovsk. [The dressing of complex ores] Obogashchenie kompleksnykh rud. Moskva, Nauka, 1964. 181 p.

AKADEMIIA NAUK SSSR. Kol'skii filial, Kirovsk. [Technology of mining ore deposits beyond the Arctic Circle] Tekhnologiia razrabotki rudnykh mestorozhdenii Zapoliar'ia. Moskva, Nauka, 1964. 221 p.

AKADEMIIA NAUK SSSR. Kol'skii filial, Kirovsk. In-[illegible] [illegible] methods of processing [illegible] Moskva, Izd-vo "Nauka," [illegible]

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut gornogo dela. [Radio communication systems and high-frequency remote control in the mining industry] Radiosviaz' i vysokochastotnaia telemekhanika v gornoi promyshlennosti. Otv. red. M. M. Savkin. Novosibirsk, Red-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 173 p.

AKADEMIIA NAUK URSR, Kiev. [Use of radiation in automation, isotopes and nuclear radiation in science and technology] Radiatsionnaia avtomatika, izotopy i iadernye izlucheniia v nauke i tekhnike Kiev, 1964. 193 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Farm buildings made of vibration rolled panels; based on materials of the Experimental Design Office of the Academy of Construction and Architecture of the U. S. S. R., the Klin Plant and Reinforced Concrete Elements (Moscow Province) and the Moscow Province Construction Administration] Sel'skokhoziaistvennye proizvodstvennye zdaniia iz vibroprokatnykh panelei; po materialam Eksperimental'no-konstruktorskogo biuro ASIA SSSR, Klinskogo zavoda zhelezobetonnykh konstruktsii (Moskovskaia obl.) i Mosoblstroiia. Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Plant production of series 1605 A, housing components; practices of the Kazan Plant No. 1 for Large-Panel House Construction. Collection of articles] Zavodskoe izgotovlenie detalei domov serii 1605 A; opyt Kazanskogo zavoda krupnopanel'nogo domostroeniia No. 1. Sbornik statei. Moskva, Gosstroiizdat, 1963. 45 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Preparing keramzit and reinforced foamed concrete panels for walls of industrial buildings; practices of the No. 2 Combine for Reinforced Concrete Structures of the Main Administration for the Building Materials Industry of Moscow Province] Izgotovlenie keramzito- i armopenobetonnykh panelei dlia sten promyshlennykh zdanii, opyt kombinata zhelezobetonnykh konstruktsii No. 2 Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1963. 43 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Preparing reinforced concrete pressure pipes by the vibration-pressing method; practices of the Kuybyshev Pipe Plant No. 7 of the "Zhelezobeton" Trust] Izgotovlenie zhelezobetonnykh napornykh trub metodom vibropressovaniia; opyt Kuibyshevskogo trubnogo zavoda No. 7 tresta "Zhelezobeton." Moskva, Gosstroiizdat, 1963. 53 p.
[MICROFILM]

AKHMAKOV, V. S., comp. [Methodological manual for studying subway relay signaling, interlocking, and block-system apparatus for pursuing signaling, interlocking, and block-system electrician professions] Metodicheskoe posobie po izucheniiu apparatury ustroistv signalizatsii, tsentralizatsii i blokirovki Metropolitena (rele) dlia osvoeniia professii elektromekhanika signalizatsii, tsentralizatsii i blokirovki. Moskva, Ispolnitel'nyi kom-t Mosk. gorodskogo Soveta deputatov trudiashchikhsia, 1963. 49 p.
[MICROFILM]

ALEKSEEV, K. G. [Working principles and maintenance of the warping machines for cotton manufacture] Ustroistvo i obsluzhivanie snoval'nykh mashin khlopchatobumazhnogo proizvodstva. Izd. 2., perer. Moskva, Izd-vo "Legkaia industriia," 1964. 179 p. diagr. (insert. Uchebniki i uchebnye posobiia dlia rabochikh massovykh professii)

ALEKSEEV, N. S. [Commercial study of building wares] Tovarovedenie stroitel'nykh tovarov. Moskva, Ekonomika, 1964. 199 p.

AL'PEROVICH, A. I. [Procedural handbook on the industrial training of tower crane operators] Metodicheskoe posobie po proizvodstvennomu obucheniiu mashinistov bashennykh kranov. Izd. 2., ispr. i dop. Moskva, Vysshaia shkola, 1964. 235 p.

AMIIAN, V. A. [Gas production] Dobycha gaza. Moskva, Nedra, 1964. 337 p.

AMVROSIEV, O. N [Equipment should have a full load, ways for increasing the shift coefficient for the working of equipment in the machinery industry of Tula Province] Oborudovaniiu - polnuiu nagruzku; puti povysheniia smennosti raboty oborudovaniia v tul'skom mashinostroenii. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 39 p.
[MICROFILM]

ANAN'IN, A. A., and V. P. CHERNOBROVKIN. [Melting cast iron in a cupola furnace] Plavka chuguna v vagranke. Izd. 2. Moskva, Izd-vo "Mashinostroenie," 1964. 56 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

ANAN'IN, A. A., and V. P. CHERNOBROVKIN [Short handbook for the cupola furnaceman] Kratkii spravochnik vagranshchika. Moskva, Mashinostroenie, 1964. 118 p.

ANISIMOV, V. I., and A. P. GOLUBEV. [Transistorized modulators] Tranzistornye moduliatory. Moskva, Izd-vo "Energiia," 1964. 222 p.

ANTSYFEROV, M. S., V. S. IVANOV, and I. N. SHEVCHENKO, comps. [PGI geophone and methods for its use in hole prospecting] Geofon PGI i metodika ego primeneniia dlia poiska skvazhiny. Moskva, In-t gornogo dela, 1963. 17 p.
[MICROFILM]

ARBUZOV, N. T., and A. P. MANDRIKOV. [Floors and roofs of residential and industrial farm buildings] Poly i krovli zhilykh i proizvodstvennykh sel'skokhoziaistvennykh zdanii. Moskva, Stroiizdat, 1964. 109 p.

ARKHANGEL'SKII, B. E., and others. [T-40 tractor] Traktor T-40. Moskva, Izd-vo "Kolos," 1964. 231 p.

ARKHIPOV, K. I. [Developments in petroleum and chemical apparatus manufacture] Razvertki v neftianom i khimicheskom apparatostroenii. Moskva, Izd-vo "Nedra," 1964. 189 p.

ARLAZOROV, M. S. Zhukovskii. Izd. 2., dop. i perer. Moskva, Mashinostroenie, 1964. 216 p.

ARSHANSKII, IA. N., and S. I. IANOVSKII. [Installation and maintenance of automatic control and regulation devices] Montazh i obsluzhivanie priborov avtomatiki i kontrolia. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 85 p. (V pomoshch' kholodil'shchiku)

AVETIKOV, A. L. [Technology of the manufacture of upholstered furniture] Tekhnologiia proizvodstva miagkoi mebeli. Izd. 2., perer. i dop. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 195 p.

BARDYLA, T. I. [Frequency transformation] Peretvorennia chastoty. Kyiv, Derzhtekhvydav URSR, 1963. 87 p.

BARIEV, N. V. [Electric drives of the EKG-4 and EKG-4.6 single-bucket excavators] Elektroprivod odnokovshovykh ekskavatorov tipov EKG-4 i EKG-4.6. Moskva, Energiia, 1964. 103 p. (Biblioteka elektromontera, no. 135)

BARZAM, A. B. [Systems automation] Sistemnaia avtomatika. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 367 p.

BELEN'KII, N G. [Problems of the biological evaluation of the technological processes in the meat industry] Problema biologicheskoi otsenki tekhnologicheskikh priemov miasnoi promyshlennosti. Moskva, Vses. nauchno-issl. in-t miasnoi promyshl., 1962. 12 p.
[MICROFILM]

BEL'GOL'SKII, B. P., E. S. GLIKMAN, and I. A. MEDVEDEV. [Production standards in metallurgy] Tekhnicheskoe normirovanie v metallurgicheskoi promyshlennosti. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 194 p.

BELIAVSKII, S. M. [Manual for the solution of problems on the strength of materials] Rukovodstvo k resheniiu zadach po soprotivleniiu materialov. Moskva, Vysshaia shkola, 1964. 315 p.

BELIKOV, V. N., and A. N. NIKITIN. [Assembly of airplane engines] Sborka aviatsionnykh dvigatelei. Moskva, Mashinostroenie, 1964. 221 p. (Tekhnologiia aviadvigatelestroeniia)

BELODVORSKII, IU. M. [Supplying gas to enterprises] Gazosnabzhenie predpriiatii. Moskva, Izd-vo lit-ry po stroitel'stvu.
Pt. 2. 1964. 166 p.

BELOUSOVA, N. N. [Butyric acid bacteria in the production of cheese] Maslianokislye bakterii v proizvodstve syra. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 16 p.
[MICROFILM]

BELOUSOVA, N. N. [Methods for the control of microorganisms in the making of dairy products; a survey] Sposoby vozdeistviia na mikroorganizmy v protsessakh proizvodstva molochnykh produktov; obzor. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 33 p.
[MICROFILM]

BELOUSOVA, N. N. [Microbiological processes in large-sized cheeses] O mikrobiologicheskikh protsessakh v krupnykh syrakh. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963 19 p (Tekhnicheskaia informatsiia)
[MICROFILM]

BELOV, I. F., and N. A. GRIGOROVSKAIA. [The "Topaz-2" transistor radio, assembly and adjustment] Tranzistornyi radiopriemnik "Topaz-2"; sborka i nalazhivanie. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka, no. 518)

BERESTNEV, P. D. [Transistor devices in radio circuits] Poluprovodnikovye pribory v radiotekhnicheskikh skhemakh. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 91 p.

BESPALOV, N. V., and others. [Communications in pipeline transportation] Sviaz' na truboprovodnom transporte. Moskva, Izd-vo "Nedra," 1964. 196 p.

BESSONOV, L. A. [Nonlinear electrical networks] Nelineinye elektricheskie tsepi. Izd. 2., perer. i dop. [Petrozavodsk] Vysshaia shkola, 1964. 429 p.

BESSONOV, L. A., and others. [Theoretical principles of electrical engineering; methodological instructions and test assignments for students of power engineering and electrical engineering professions of institutions of higher learning and departments] Teoreticheskie osnovy elektrotekhniki; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov energeticheskikh i elektrotekhnicheskikh spetsial'nostei vuzov i fakul'tetov. Izd. 2. Moskva, Vysshaia shkola, 1962. 73 p.
[MICROFILM]

BETEKHTIN, A. G., and T. N. SHADLUN, eds. [Structural and textural characteristics of endogenetic ores] Strukturno-teksturnye osobennosti endogennykh rud. [By] A. G. Betekhtin i dr. Moskva, Nedra, 1964. 597 p.

BOGACHEV, I. N., G. S. DAVYDOV, and S. B. ROZHKOVA. [Grafitization and heat treatment of white cast iron] Grafitizatsiia i termicheskaia obrabotka belogo chuguna. Moskva, Izd-vo "Mashinostroenie," 1964. 145 p.

BOGDANOV, N. KH. [Drilling subsurface wells] Burenie glubokikh skvazhin. Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 74 p.
[MICROFILM]

BOGOLIUBOV, B. P., and G. F. GRACHEV. [Selective mining of complex ore deposits] Razdel'naia razrabotka mestorozhdenii slozhnogo sostava. Moskva, Izd-vo "Nedra," 1964. 166 p.

BOLGARSKII, A. V., G. A. MUKHACHEV, and V. K. SHCHUKIN. [Thermodynamics and heat transfer] Termodinamika i teploperedacha. Moskva, Vysshaia shkola, 1964. 457 p.

[illegible] E. N. [illegible]OVA. [illegible] metals and [illegible] metallov [illegible] Moskva, Mashino- [illegible]

[illegible] A. A., S. F. [illegible], and V. A. RASSKA- [illegible] paraffin [illegible] in flowing [illegible] of the Ufa Petroleum [illegible] Bor'ba s otlozheniiami [illegible] pri pomoshchi [illegible] Ufa Bashkirskoe [illegible] 121 p.
[MICROFILM]

[illegible] I. E., [illegible], and M. S. [illegible] the regulations of [illegible] Pravila dlia [illegible] RSFSR, 1963.

[illegible] I. A., N. I. SLESARENKO, and M. G. [illegible] [Izhevsk sports motorcycles, their [illegible]] Izhevskie sportivnye moto- [illegible] ekspluatatsiia. Izhevsk, Udmurt- [illegible] izd-vo, 1963. 211 p.

[illegible] V. M., and V. V. [illegible] [Efficiency of [illegible] ores by the induced level [illegible]] Effektivnost' razrabotki apatito- [illegible] etazhnogo prinuditel'nogo [illegible] Moskva, Izd-vo "Nauka," 1964. 97 p.

[illegible] V. A., and I. A. BUTALOV. [Production and [illegible] of nonferrous metal alloys] Proizvodstvo i lit'e [illegible] metallov. Moskva, Izd-vo "Metal- [illegible], 1964. 137 p.

[illegible] I. G. [illegible] for the greaser of motor [illegible] [illegible] avtomobilei. Izd. 2., ispr. [illegible] Izd-vo "Transport," 1964. 76 p.

[illegible] V. N., and V. E. UL'IASHCHENKO. [Fire [illegible] systems] Pozharnaia profilak- [illegible] Moskva, Izd-vo M-va kommun [illegible] RSFSR, 1963. [illegible] p.

CHER[illegible], A. A. [Controlling the reactions of petro- [illegible]] Upravlenie reaktsiiami nefte- [illegible]. Moskva, Izd-vo "Khimiia," 1964. 122 p.

CHIZHMAKOV, A. F. [Surveying] Geodeziia. [Petro- zavodsk] Vysshaia shkola, 1964. 583 p.

DENISOV, F. I. [Factors determining the efficiency of hydraulic fracturing] Faktory, opredeliaiushchie effektivnost' gidrorazryva plastov. Baku, Azerneshr, 1964. 93 p.

DIKSHTEIN, E. I., D. I. DEINEKO, and V. G. ANTIPIN. [Steelmaking at the Magnitogorsk Metallurgical Combine] Staleplavil'noe proizvodstvo na MMK. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 43 p.

DIMENTBERG, F. M., K. T. SHATALOV, and A. A. GUSAROV. [Vibrations of machinery] Kolebaniia mashin. Moskva, Mashinostroenie, 1964. 307 p.

DMITRIEV, V. I., ed. [Fields of the efficient application of the various means of transportation in the transport of fuel] Oblasti ratsional'nogo primeneniia razlichnykh vidov transporta pri perevozke toplivnykh gruzov. Moskva, Izd-vo "Transport," 1964. 110 p.

DOKSHITSKAIA, A. I., and L. A. GORLACH. [Electric furnace smelting of steel for shape casting] Vyplavka stali dlia fasonnogo lit'ia v elektropechakh. Izd. 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo Mashinostroenie, 1964. 55 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

DOLGOPOLOV, N. N. [Electrophysical methods in the technology of building materials] Elektrofizicheskie metody v tekhnologii stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 301 p.

DOLITSKII, N. I. [Technical and economic indices of the manufacture of stationary steam turbines] Tekhniko-ekonomicheskie pokazateli proizvodstva statsionarnykh parovykh turbin. Moskva, Izd-vo "Mashinostroenie," 1964. 303 p.

DOROFEEV, A. N. [Calculating the strength of spot-welded joints] Raschet prochnosti svarnykh tochechnykh soedinenii. Moskva, Izd-vo "Mashinostroenie," 1964. 138 p.

DOVGALEVSKII, IA. M. [Cast magnets from magnesium-nickel-cobalt alloys] Litye magnity iz splavov magniko. Moskva, Mashinostroenie, 1964. 149 p.

DULEVICH, V. E., ed. [Theoretical principles of radar] Teoreticheskie osnovy radiolokatsii. [By] V. E. Dulevich i dr. Moskva, "Sovetskoe radio," 1964. 731 p.

EFENDIEV, G. KH., R. A. ALEKPEROV, and A. N. NURIEV. [Problems of the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 149 p.

EGOROVA, A. G., and others. [New strains of lactic acid bacteria for rye leaven preparation] Novye shtammy molochnokislykh bakterii rzhanykh zakvasok. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 34 p.
[MICROFILM]

EIDEL'MAN, L. IA., and S. M. SASONKO. [Numeration of the subscribers to the automated telephone network of the Soviet Union] Numeratsiia abonentov na avtomatizirovannoi telefonnoi seti Sovetskogo Soiuza. Moskva, Sviaz', 1964. 72 p. (Lektsii po tekhnike sviazi)

[ELECTRICAL LOADS OF INDUSTRIAL ENTERPRISES] Elektricheskie nagruzki promyshlennykh predpriiatii. [By] S. D. Volobrinskii i dr. Moskva, Izd-vo "Energiia," 1964. 303 p.

ELIZAVETIN, M. A., and E. A. SATEL'. [Technological methods for increasing the durability of machinery, increasing the operational properties and reliability of machine parts] Tekhnologicheskie sposoby povysheniia dolgovechnosti mashin, povyshenie ekspluatatsionnykh svoistv i nadezhnosti raboty detalei mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 438 p.

EPIFANOVA, V. I., and L. S. AKSEL'ROD, eds. [Air separation by means of low temperature refrigeration; technology and equipment] Razdelenie vozdukha metodom glubokogo okhlazhdeniia; tekhnologiia i oborudovanie v dvukh tomakh. Moskva, Mashinostroenie, 1964. 2 v. diagrs. (insert)

ERMICHEV, V. A. [Methodological manual for calculating mechanical transmissions for machinery, for correspondence students] Metodicheskoe posobie po raschetu mekhanicheskikh peredach v mashinakh dlia studentov-zaochnikov. Perm', Permskii sel'khoz. in-t im. D. N. Prianishnikova, 1963. 109 p.

ESTRIN, R. IA. [Safety technique when welding and cutting gas pipelines in operation] Tekhnika bezopasnosti pri ognevykh rabotakh na deistvuiushchikh gazoprovodakh. Moskva, Nedra, 1964. 44 p.

[FASTENINGS BOLTS, SCREWS, NUTS, RIVETS] Krepezhnye izdeliia. Bolty, Vinty, Gaiki, Zaklepki. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 243 p. (SSSR. Gosudarstvennye standarty)

FIL'KOV, N. I., and others. [Maintenance and repair of the VME1 diesel locomotive] Remont teplovoza VME1. Moskva, Izd-vo "Transport," 1964. 136 p. (Bibliotechka slesaria po remontu teplovoza)

[FOR SAFE WORKING CONDITIONS IN LOGGING CAMPS] Za bezopasnye usloviia truda na lesozagotovkakh. Syktyvkar, Komi knizhnoe izd-vo, 1960. 22 p.
[MICROFILM]

FREMEL', A. B. [Utilization of the wastes of beet-sugar manufacture] Ispol'zovanie otkhodov sveklosakharnogo proizvodstva. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 113 p.
[MICROFILM]

FROLOV, A. D. [Radio equipment assembly; basic design principles] Uzly radioapparatury; obshchie osnovy konstruirovaniia. Moskva, Izd-vo "Energiia," 1964. 469 p.

GAGARIN, P. I. [Metallurgist, innovator; a sketch] Metallurg-novator; ocherk. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 14 p. (Geroi nashikh dnei)
[MICROFILM]

GILEV, V. S., and I. A. OSIN. [Molding of small castings] Formovka melkikh otlivok. Pod red. L. M. Volpianskogo. Moskva, Mashgiz, 1964. 37 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika, no. 5)
[MICROFILM]

GOL'DENBERG, L. M. [Principles of pulse technique] Osnovy impul'snoi tekhniki. Izd. 2., dop. Moskva, Izd-vo "Sviaz'," 1964. 431 p.

GOL'DFARB, L. S. [Lecture outline for a course in "Theory of automatic control"] Konspekt lektsii po kursu "Teoriia avtomaticheskogo regulirovaniia." Moskva, Mosk. energeticheskii in-t.
Pt. 1 [Linear continuous automatic control systems] Lineinye nepreryvnye sistemy avtomaticheskogo regulirovaniia. Pereizd. Pod red. E. B. Pasternaka. 1961. 275 p.
[MICROFILM]

GOLOLOBOV, B. A., and K. G. NIKOLAEV. [Properties of welded joints in hull steels] Svoistva svarnykh soedinenii korpusnykh stalei. Leningrad, Sudostroenie, 1964. 239 p.

GOL'VERK, A. A., and I. V. VAGNER. [Testing the fuel system of diesel engines] Metodika ispytanii toplivnoi apparatury dizelei. Kiev, Izd-vo "Urozhai," 1964. 148 p.

GORLIN, S. M., and I. I. SLEZINGER. [Aeromechanical measurements; methods and instruments] Aeromekhanicheskie izmereniia, metody i pribory. Moskva, Izd-vo "Nauka," 1964. 720 p.

GORODOVSKII, A. F. [D. C. bridges] Mosty postoiannogo toka. Moskva, Energiia, 1964. 88 p. (Elektroizmeritel'nye pribory, no. 5)

GRINEVICH, F. B. [Automatic a. c. bridges] Avtomaticheskie mosty peremennogo toka. Otv. red. K. B. Karandeev. Novosibirsk, Red. izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 213 p.

GRINEVSKII, M. A. [Technical information in industrial enterprises is an important condition for speeding up technical progress] Tekhnicheskaia informatsiia na proizvodstve - vazhnoe uslovie uskoreniia tekhnicheskogo progressa. Tallin, Biuro tekhn. informatsii SNKh ESSR, 1963. 47 p.

GRINVAL'D, V. M. [Particle board from logging wastes] Struzhechnye plity iz otkhodov lesozagotovok. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 26 p. (Lesoekspluatatsiia)
[MICROFILM]

GRISHIN, G. I. [New structures and the advanced technology of construction and assembly work in hydraulic engineering for harbor construction and bridge building] Novye konstruktsii i progressivnaia tekhnologiia stroitel'no-montazhnykh rabot v gidrotekhnicheskom portovom stroitel'stve i mostostroenii. Moskva, Mosk. zaochnyi stroitel'nyi tekhnikum transp. stroitel'stva, 1963. 68 p.
[MICROFILM]

GRUDE, A. E., and V. I. SANEV. [Automatic loading and unloading devices for woodworking machines and machine lines designed by the S. M. Kirov Forest Technology Academy; verbatim report of a lecture read at the Leningrad House of Scientific and Technical Propaganda, November 1963] Avtomaticheskie zagruzochnye i razgruzochnye ustroistva k derevoobrabatyvaiushchim stankam i stanochnym liniiam konstruktsii LTA im. S. M. Kirova; stenogramma lektsii, prochitannoi v LDNTP v noiabre 1963 g. Leningrad, 1964. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no. 2)

GULIAEV, B. B., O. N. MAGNITSKII, and A. A. DEMIDOVA. [Making castings of high-melting metals] Lit'e iz tugoplavkikh metallov. Moskva, Mashinostroenie, 1964. 291 p.

GUMIN, I. IA., M. I. GUMIN, and V. F. USTINOV. [Secondary networks of electric power plants and substations] Vtorichnye skhemy elektricheskikh stantsii i podstantsii. Izd. 2., dop. i perer. Moskva, Izd-vo "Energiia," 1964. 174 p.

GURCHENKO, Z. K., and others. [Mechanization of canned milk plants] Mekhanizatsiia molochnokonservnykh zavodov. Moskva, TSentr. in-t nauchno-tekhn informatsii pishchevoi promyshl., 1963. 77 p.
[MICROFILM]

GUREVICH, A. S. [Equipment for the production of abrasive tools] Oborudovanie dlia proizvodstva abrazivnykh instrumentov. Moskva, Izd-vo "Mashinostroenie," 1964. 259 p.

GURMAN, V. S., and G. N. SARKHOSH'IAN. [ZAZ-965 "Zaporozhets" automobile; design, operation, maintenance and repair] Avtomobil' ZAZ-965 "Zaporozhets"; ustroistvo, upravlenie, tekhnicheskoe obsluzhivanie i remont. Moskva, Transport, 1964. 210 p.

GUSAROV, V. N., and others. [Chelyabinsk electrometallurgy workers are striving for technical progress] Cheliabinskie elektrometallurgi v bor'be za tekhnicheskii progress. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 94 p.

[HANDBOOK FOR *USING THE BPF PNEUMATIC CUTTER-LOADERS*] Rukovodstvo po ekspluatatsii pnevmaticheskikh kombainov BPF. [By] A. B. Gorenshtein i dr. Moskva, Izd-vo "Energiia," 1964. 183 p.

IAKIMENKO, P. I., and V. M BOCHKOV. [Construction of bridges] Stroitel'stvo mostov Moskva, Transport, 1964. 285 p.

IAKOVLEV, L. G. [Level indicators, their design and use] Urovnemery, konstruktsii, raschet, primenenie. Moskva, Izd-vo "Mashinostroenie," 1964. 190 p.

IAVORSKII, I. A., ed. [Effect of the structure of mineral coals on their combustion] Vliianie stroeniia iskopaemykh uglei na ikh gorenie. [By] I. A. IAvorskii i dr. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 175 p.

IBAD-ZADE, IU. A. [Hydraulics of the straightening of river curves] Gidravlika spriamlenii izluchin rek. Baku, Izd-vo Azerbaidzhanskoi Akad. sel'khoz. nauk, 1961. 279 p.
[MICROFILM]

EVLEV, A. V. [Operation of small steam turbine systems] Ekspluatatsiia paroturbinnykh ustanovok nebol'shikh moshchnostei. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 279 p.

ILARIONOV, V. A. [Dynamics of a motor vehicle] Dinamichnost' avtomobilia. Izd. 2. Moskva, Transport, 1964. 93 p. (Nauchno-populiarnaia biblioteka avtomobilista)

ILIUKOVICH, A. M. [D. C. meters] Elektricheskie schetchiki postoiannogo toka. Moskva, Izd-vo "Energiia," 1964. 77 p. (Elektroizmeritel'nye pribory, no. 6)

NBER, F. I., and P. I. SKACHKOV. [Operation of trucks with extra-wide log-type tires in logging camps] Ekspluatatsiia avtomobilei s arochnymi shinami v lespromkhozakh. *Moskva, Goslesbumizdat, 1963.* 46 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo!)

[INNOVATORS SUGGEST] Novatory sovetuiut. [Moskva] Mosk. rabochii, 1964. 150 p.

ISAROV, G. Z. [Engineering inspector's manual] Pamiatka tekhnika-smotritelia. 2. izd., isp. i dop. Moskva, Stroiizdat, 1964. 79 p.

IUSHCHENKO, IU. L., and others. [The "Dnipro" control computer with a wide range of applications and its programming program; *programmer's manual*] Upravliaiushchaia mashina shirokogo naznacheniia "Dnipro" i programmiruiushchaia programma k nei; spravochnik programmista. Kiev, Izd-vo "Naukova dumka," 1964. 279 p.

IVANOV, A. A. [Theory of automatic control and regulation] Teoriia avtomaticheskogo upravleniia i regulirovaniia. Moskva, Izd-vo "Nedra," 1964. 328 p.

IVANOV, F. M, O. A. VINOGRADOVA, and N G MANANOV. [Manual for the research worker in road materials] Spravochnik laboranta-dorozhnika. Moskva, Transport, 1964. 198 p

IVLEV, N. G. [Safety manual for mechanics in the construction industry] Pamiatka po tekhnike bezopasnosti dlia stroitel'nogo slesaria. Moskva, Stroiizdat, 1964. 70 p. (Tekhnika bezopasnosti v stroitel'stve)

IVLIEV, K. P, and G. F. VELIKOKHATNYI [Multiple machining of parts] Gruppovoi metod obrabotki detalei [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 75 p.
[*MICROFILM*]

IZRAELIT, E. M. [Improving heating systems of coke ovens] Sovershenstvovanie otopitel'noi sistemy koksovykh pechei. Moskva, Izd-vo "Metallurgiia," 1964. 218 p.

KAGANOV, Z. G [Wave effects in electrical machines. approximate calculation methods] Volnovye iavleniia v elektricheskikh mashinakh, priblizhennye metody rascheta. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 360 p.

KAMENEV, P. N. [Heating and ventilation] Otoplenie i ventiliatsiia. Izd. 2. Moskva, Stroiizdat.
Pt 2. [Ventilation] Ventiliatsiia. 1964. 470 p.

KAMINSKII, M. L., and N. I. LAZAREV. [Installation of large electrical machines] Montazh krupnykh elektricheskikh mashin. Moskva, Stroiizdat, 1964. 286 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

KARAGODIN, L. N. [Complex of measures for controlling sudden outbursts in the lavas of gently sloping beds] Kompleks meropriiatii po bor'be s vybrosami v lavakh pologikh plastov. Moskva, Nedra, 1964. 73 p.

KARAVAEV, I. I., and N. F. GORSKAIA. [Mechanized treatment of tank cars in washing and steaming stations] Mekhanizirovannaia obrabotka na promyvochno-proparochnykh stantsiiakh. Moskva, Izd-vo "Transport," 1964. 26 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

KARIAGINA, N. S., and V. V. MEDVEDEV. [Labor protection in car operation, maintenance and repair] Okhrana truda v vagonnom khoziaistve. Moskva, Izd-vo "Transport," 1964. 207 p.

KARPOV, F. F. [How to verify the proper connection of motors with short-circuited rotors to a power supply network] Kak proverit' vozmozhnost' podkliucheniia k elektricheskoi seti dvigatelei s korotkozamknutym rotorom. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 93 p. (Biblioteka elektromontera, no. 123)

KARTASHEV, A. I. [Surface roughness and methods for its measurement] Sherokhovatost' poverkhnosti i metody ee izmereniia. Pod red. IU. V. Kolomiitsova. Moskva, Izd-vo Standartov, 1964. 163 p.

KARTSEV, A. A., and V. P. SHUGRIN. [Geochemical investigation methods for the prospecting of oil and gas] Geokhimicheskie metody issledovanii pri poiskakh nefti i gaza. Moskva, Izd-vo "Nedra," 1964. 201 p.

KASATKIN, B. S. [Mechanized welding of steel under flux] Mekhanizirovannaia svarka stali pod fliusom. Kiev, "Tekhnika," 1964. 109 p.

KASHLEV, N. K. [Using advanced technology in mining peat with mechanized brigades] Primenenie peredovoi tekhnologii pri dobyche torfa mekhanizirovannymi otriadami. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 32 p.
[MICROFILM]

KAZACHKOV, D. L. [Mechanization of structural design] Mekhanizatsiia proektno-konstruktorskikh rabot. Moskva, Mashinostroenie, 1964. 179 p.

KAZANSKII, N. V [Sanitary engineering and electrical engineering operations, repair and maintenance of sanitary engineering equipment of dwellings] Sanitarno-tekhnicheskie i elektrotekhnicheskie raboty; remont i soderzhanie sanitarno-tekhnicheskogo oborudovaniia zhilogo doma Moskva, Stroiizdat, 1964. 33 p. (Svoimi rukami)

KAZINIK, M L. [Laboratory work in radio engineering] Laboratornye raboty po radiotekhnike. Moskva, Vysshaia shkola, 1964. 93 p.

KHACHATRIANTS, I. T., and others. [Small-scale mechanization in the construction industry and its effectiveness] Malaia mekhanizatsiia v stroitel'stve i ee effektivnost'. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963 33 p
[MICROFILM]

KHACHIROV, L. I. [Manual telephone exchanges] Telefonnye stantsii ruchnogo obsluzhivaniia. Moskva, Red.-izd. otdel Vses. zaochnogo elektrotekhn. in-ta sviazi, 1962. 32 p.
[MICROFILM]

KHAL'FAN, IU. A. ["Moskvich-407" automobile, its structural characteristics and maintenance] Avtomobil' "Moskvich-407", ustroistvo i tekhnicheskoe obsluzhivanie. Moskva, Transport, 1964. 55 p.

KHALILOV, A. A. [Effect of the design features of jet bits on the efficiency of their operation] Vliianie konstruktivnykh osobennostei gidromonitornykh dolot na effektivnost' ikh raboty. Moskva, Izd-vo "Nedra," 1964. 92 p.

KHAZEN, M. M., I. I. IVANOV, and S. S. ARONOVICH. [Heat and power systems] Teplosilovoe khoziaistvo. *Moskva, Transport, 1964* 329 p.

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'-*SKII INSTITUT MEKHANIZATSII I ENERGETIKI* LESNOI PROMYSHLENNOSTI. [Brief technological characteristics of new lumbering machinery and equipment designed by the Central Scientific Research Institute of Mechanization and the Use of Power in Lumbering] Kratkie tekhnicheskie kharakteristiki novykh lesozagotovitel'nykh mashin i oborudovaniia konstruktsii TsNIIME. [n. p.] 1962. 197 p.
[MICROFILM]

KHLEBNIKOV, A. V., and CHUNG WEI-LING. [Mechanization and automation of mine surveying computations] Mekhanizatsiia i avtomatizatsiia marksheiderskikh vychislenii. Moskva, Nedra, 1964. 182 p.

KHODEEV, I. K. [Portable a.c. instrument ammeters, voltmeters, and wattmeters. Measuring instrument sets] Perenosnye ampermetry, vol'tmetry i vattmetry peremennogo toka. Izmeritel'nye komplekty. Moskva, Energiia, 1964. 103 p. (Elektroizmeritel'nye pribory, no. 8)

KHORIN, V. N., S. N. FATEEV, and A. I. CHERNYSHEV. [High-torque hydraulic motors in mining machinery construction] Vysokomomentnye gidrodvigateli v gornom mashinostroenie. Moskva, Nedra, 1964. 116 p.

KHRUL'KOV, V. A. [Grinding of heat-resistant alloys] Shlifovanie zharoprochnykh splavov. Moskva, Mashinostroenie, 1964. 190 p.

KIREEV, IU. N. [Sand-lime panels] Silikatnye paneli. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 14)

KIRILLOV, I. I. [Theory of turbomachines] Teoriia turbomashin. Moskva, Mashinostroenie, 1964. 510 p.

KIRILLOV, IU. L. [Outline of a lecture in the course "Metallography and heat treatment"] Konspekt lektsii po kursu "Metallovedenie i termoobrabotka." Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova.
No. 3. [Binary alloys] Dvoinye splavy. 1963. 34 p.
[MICROFILM]

KLEIN, G. K. [Calculating retaining walls] Raschet podpornykh sten. [IAroslavl'] Vysshaia shkola, 1964. 195 p.

[illegible] [illegible] wheels] Narezanie zub'ia- [illegible] Izd-vo Mashinostroe- [illegible] [illegible]

[illegible] [illegible] buildings] [illegible] Izd. 2., perer. i dop. M[illegible] 1964. 378 p.

[illegible] [illegible] PFOTAREV. [The Syk- [illegible] Paper Plant] Syktyvkar- [illegible] Izd-vo, [illegible]

[MICROFILM]

[illegible], N. A., ed. [Assembling interior sani- [illegible]] [illegible] sanitarno-tekhni- [illegible] Moskva, Stroiizdat, 1964. 725 p. [illegible])

K[illegible]TKIN, V. L., and others [Design and repair of [illegible] and punched card machines, perforators, [illegible], and sorting machines] Konstruktsiia i [illegible] perforatsionnykh mashin, perforatory, [illegible] mashiny. Moskva, Gos- [illegible] [illegible] 166 p.

K[illegible], O. P. [Niobium and tantalum, fields of their [illegible] use] Niobii i tantal, oblasti os- [illegible] primeneniia. Pod red. G. A. M[illegible] Moskva, Vses. in-t nauchn. i tekh. in- [illegible] 1963. 34 p.

[MICROFILM]

KOLOTUKHINA, S. E., A. E. PERVUKHINA, and A. V. ROZHNETS. [Geology of rare element deposits in Africa and their economic significance] Geologiia mestorozhdenii redkikh elementov Afriki i ikh ekonomicheskoe znachenie. Moskva, Nauka, 1964. 303 p.

KOMISSAROV, N. F. [Erecting apartment houses with built-up roofs in Yakutia] Vozvedenie zhilykh zdanii s sovmeshchennymi kryshami v IAkutii. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 78 p.

KOPTEV, S. F., and N. F. KACHANOV. [Principles of heat supply and ventilation] Osnovy teplogazosnabzheniia i ventiliatsii. Moskva, Stroiizdat, 1964. 237 p.

KORSUNOV, V. M. [Aid for the young gas welder] V pomoshch molodomu gazosvarshchiku. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1959. 81 p.

[MICROFILM]

KOTLIAR, A. E. [Manufacture of glass containers] Proizvodstvo stekliannoi tary. Moskva, Izd-vo Legkaia industriia," 1964. 358 p.

KOZLOVSKII, N. S. [Fundamentals of the design of mechanical drives, manual on the course "Machine parts"] Osnovy proektirovaniia mekhanicheskikh privodov, uchebnoe posobie po kursu "Detali mashin." Pod red. G. I. Sosunova. Moskva, Mosk gornyi in-t, 1961. 50 p.

[MICROFILM]

KRASNIKOV, V. I. [Geological prerequisites for prospecting for uranium deposits] Geologicheskie predposylki poiskov mestorozhdenii urana. Moskva, Atomizdat, 1964. 186 p.

KRASNOV, N. P. [Finishing of rooms during repair] Otdelka komnat pri remonte. Izd. 3., perer. Moskva, Stroiizdat, 1964. 184 p. illus. (insert)

KRAVTSOV, I. S. [Home canning and preserving of food products] Domashnee konservirovanie pishchevykh produktov. Odessa, Izd-vo "Maiak," 1964. 212 p.

KRENTSEL', B. A. [Chlorination of paraffin hydrocarbons] Khlorirovanie parafinovykh uglevodorodov. Moskva, Nauka, 1964. 157 p.

KRIVOY ROG. NAUCHNO-ISSLEDOVATEL'SKII GORNORUDNYI INSTITUT [Handbook on the engineering standardization of underground mining operations; mining enterprises of the iron ore industry] Spravochnik po tekhnicheskomu normirovaniiu podzemnykh gornykh rabot; gornye predpriiatiia zhelezorudnoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 294 p.

KRUGLIAK, I. N., N. A. FIL'CHENKOV, and K. S. GOLOVCHENKO [Domestic compressor-type refrigerators] Domashnie kompressionnye kholodil'niki Izd. 2. Moskva, Izd-vo "Mashinostroenie," 1964 206 p.

KRUPIN, G. V., ed. [Technological equipment of dairy industry enterprises] Tekhnologicheskoe oborudovanie predpriiatii molochnoi promyshlennosti. [By] G. V. Krupin i dr. Izd. 3, perer. Moskva, Izd-vo "Mashinostroenie," 1964. 355 p.

KRYLOV, V. I., and V. P. TOLKACHEV. [Automatic brakes] Avtomaticheskie tormoza. Moskva, Izd-vo "Transport," 1964. 286 p. (diagrs. insert)

KUBLITSKII, M. A. [Safety technique on main gas pipelines] Tekhnika bezopasnosti na magistral'nom gazoprovode. Leningrad, Izd-vo "Nedra," 1964. 106 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

KUCHER, A. M., ed. [Technology of metals] Tekhnologiia metallov [By] N. N. Kropivnitskii i dr. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 502 p.

KUCHER, I. M. [Machine tools, fundamentals of their design] Metallorezhushchie stanki; osnovy konstruirovaniia i rascheta. Moskva, Izd-vo "Mashinostroenie," 1964. 670 p.

KUDRIAVTSEV, P. I. [Residual welding stresses and the strength of welded joints] Ostatochnye svarochnye napriazheniia i prochnost' soedinenii. Moskva, Mashinostroenie, 1964. 93 p.

KUKTA, G. M. [Testing agricultural machinery] Ispytaniia sel'skokhoziaistvennykh mashin. Moskva, Mashinostroenie, 1964. 281 p.

KULICHIKHIN, N. I., ed. [Boring and blasting operations, loading, timbering, mine haulage, ventilation, and drainage, second part of the course "Conducting exploratory operations"] Burovzryvnye raboty, pogruzka, kreplenie, rudnichnyi transport, ventiliatsiia i vodootliv, chast' vtoraia kursa "Provedenie razvedochnykh vyrabotok." [By] N. I. Kulichikhin i dr. Moskva, Izd-vo "Nedra," 1964. 455 p.

[KURSK MAGNETIC ANOMALY. History of its discovery, study, and the industrial adoption of its iron ore deposits, collection of documents and materials in two volumes, 1742-1962] Istoriia otkrytiia, issledovanii i promyshlennogo osvoeniia zhelezorudnykh mestorozhdenii; sbornik dokumentov i materialov v dvukh tomakh 1742-1962. [Belgorod] Belgorodskoe knizhnoe izd-vo.

Vol. 2. 1926-1962. 1962. 629 p.

LABUTIN, V. K. [Oscillatory circuit tuned by a nonlinear capacitance] Kolebatel'nyi kontur, perestraivaemyi nelineinoi emkost'iu. Moskva, Izd-vo "Energiia," 1964. 94 p.

LAMASOV, A. A., and E. I. OSTROV. [Casting gray cast iron parts for motor vehicles, practice of the Likhachev Automobile Plant] Proizvodstvo avtomobil'nykh otlivok iz serogo chuguna, iz opyta ZILa. Moskva, Izd-vo "Mashinostroenie," 1964. 143 p.

[LATEST TECHNOLOGICAL INNOVATIONS ARE AVAILABLE TO EVERY CONSTRUCTION PROJECT] Tekhnicheskie novinki - kazhdoi stroike. [Moskva] Mosk. rabochii, 1964. 134 p.

LATUKHIN, B. M. [Mechanization of fitting operations] Mekhanizatsiia slesarnykh operatsii. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1963. 117 p.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Mikrobiologijas instituts. [Microbiological processes and production] Mikrobiologicheskie protsessy i proizvodstvo. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 153 p.

LEONOV, N. M. [Synthetic materials in the national economy] Sinteticheskie materialy v narodnom khoziaistve. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 34 p.

[MICROFILM]

LITVIN, A. M. [Theoretical principles of heat engineering, engineering thermodynamics and the theory of heat transfer] Teoreticheskie osnovy teplotekhniki; tekhnicheskaia termodinamika i teoriia teploperedachi. Izd. 5., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 367 p.

LOMONOSOV, I. G. [Water transportation of lumber, textbook on new techniques and technology of lumber floating for students of the faculties of forest [illegible] ing and forestry mechanics] Vodnyi transport lesa, uchebnoe posobie po novoi tekhnike i tekhnologii lesosplava dlia studentov lesoinzhenernogo i [illegible] mekhanicheskogo fakul'tetov. Leningrad, Vses. zaochnyi lesotekhnicheskii in-t, 1961. 90 p.

[MICROFILM]

LOMOZOVA, N. Z., and G. M. KURBAKOVA. [Black and white television receivers in the U. S. A. and the German Federal Republic, survey of network and design calculations] Televizionnye priemniki cherno-belogo izobrazheniia SShA i FRG; obzor skhemnykh i konstruktivnykh reshenii. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Biblioteka "Televizionnyi priem," no. [illegible])

LOSEV, S. M. [Steam turbines and condensing systems, theory, design, and operation] Parovye turbiny i kondensatsionnye ustroistva, teoriia, konstruktsii i ekspluatatsiia. Izd. 10., perer. Moskva, Izd-vo "Energiia," 1964. 375 p. (diagrs. insert)

MADZHUGA, G. S., and V. KH. PODOINITSYN. [Rotary piston internal combustion engines] Rotorno-[illegible] nevye dvigateli vnutrennego sgoraniia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 15)

MAIZEL', M. M. [Fundamentals of automatic control and automation of industrial processes] Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov. Izd. 3., sokr. i perer. Moskva, Vysshaia shkola, 1964. [illegible] p.

MAIZEL', M. M. [Fundamentals of the automation of production processes in light industry] Osnovy avtomatizatsii proizvodstvennykh protsessov v legkoi promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964. 322 p.

MAIZLIN, B. S. [Operator of a bridge loader crane] Mashinist mostovogo peregruzhatelia. Moskva, Izd-vo Metallurgiia, 1964. 167 p.

MAKOVETSKII, P. S. [Brown coal and products of its thermal decomposition] Buryе ugli i produkty ikh termicheskogo razlozheniia. Kiev, Naukova dumka, 1964. 176 p.

MALIUTIN, N. G., and A. P. BRAGIN. [Large production of coal in the Kuznetsk Basin] Bol'shoi ugol' Kuzbassa [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1962. [illegible] p. (Dela i liudi semiletki)

[MICROFILM]

MAL'TSEV, V. F. [Impulse-type variable speed transmissions] Impul'snye variatory. Izd. 2., ispr. i dop. Moskva, Mashgiz, 1963. 278 p.

MAMONKIN, I. G. [Low-frequency transistor amplifiers] Poluprovodnikovye usiliteli nizkoi chastoty. Moskva, Mosk. energeticheskii in-t, 1961. 105 p.

[MICROFILM]

MAN'KOVSKII, G. I., ed. [Boring mine shafts with machines made by the Ural Factory for Heavy Machinery Manufacture] Burenie stvolov shakht ustanovkami UZTM. Moskva, Izd-vo "Nedra," 1964. 13[illegible] p.

MAN'KOVSKII, G. I., and N. N. ERSHOV, eds. [Special mining methods; bibliographical index of Soviet and foreign books and periodicals published during 1950-1961] Spetsial'nye sposoby prokhodki gornykh vyrabotok; bibliograficheskii ukazatel' knizhnoi i zhurnal'noi otechestvennoi i inostrannoi literatury za 1950-1961 gg. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 256 p.

[MICROFILM]

MARKMAN, A. L., and A. I. GLUSHENKOVA. [Oxidation processes in edible oils and fats and methods for their control] Okislitel'nye protsessy v pishchevykh zhirakh i metody bor'by s nimi. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 40 p.

[MICROFILM]

MASHEVICH, Z. A. [Methodology for teaching the course "Metal cutting" in mechanical engineering schools] Metodika prepodavaniia kursa "Rezanie metallov" v mashinostroitel'nykh tekhnikumakh. Moskva, Mashinostroenie, 1964. 107 p.

MASIUKOV, V. N. [Compressor-type heat transformer and its thermodynamic features] Kompressionnyi teplovoi transformator i ego termodinamicheskoe obosnovanie. Moskva, Vses. nauchno-issl. in-t mekhanizatsii sel'skogo khoz., 1959. 20 p.
[MICROFILM]

MASLOV, E. N. [Principles of the science and technology of metals] Osnovy metallovedeniia. Izd. 2. Moskva, Mosk. inzhenerno-fizicheskii in-t, 1960. 142 p.
[MICROFILM]

MEDOVAR, B. I. [Welding of austenite steels and alloys] Svarka austenitnykh stalei i splavov. Kiev, Tekhnika, 1964. 183 p.

MEERZON, B. IA. [Advice on sound recording] Sovety po zvukopisi. Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 30 p. (V pomoshch' obshchestvennoi redaktsii radioveshchaniia)
[MICROFILM]

MEĬKLIAR, M. V. [Steam boilers of electric power plants] Parovye kotly elektrostantsii. Izd 3., perer. Moskva, Izd-vo "Energiia," 1964. 319 p.

MEL'NIKOV, N. V. [Mining engineering; problems in connection with the expansion of the industry] Gornaia nauka; zadachi v sviazi s razvitiem promyshlennosti. Moskva, Nedra, 1964. 69 p.

MEL'NIKOV, V. G. [Mica industry in Yakutia] Sliudianaia promyshlennost' IAkutskoi ASSR. IAkutsk, IAkutskoe knizhnoe izd-vo, 1960.
[MICROFILM]

MERZON, E. D. [Collection of problems on mechanical drawing] Zadachnik po mashinostroitel'nomu cherchenilu. Pod red. N. N. Ivanova. Izd. 2., dop. Moskva, Vysshaia shkola, 1964. 310 p.

[METALLURGY OF COPPER, NICKEL AND COBALT, alternative course] Metallurgiia medi, nikelia i kobal'ta; alternativnyi kurs. [By] V. I. Smirnov i dr. Moskva, Izd-vo Metallurgiia.
Pt. 1. [Metallurgy of copper] Metallurgiia medi. 1964. 462 p.

MEZHVUZOVSKAIA KONFERENTSIIA PO SOVREMENNOI TEKHNIKE DIELEKTRIKOV I POLUPROVODNIKOV, 3d. [Abstracts of reports of the Third Inter-university Conference on the Present-day Technology of Dielectrics and Semiconductors] Tezisy dokladov. Leningrad, Leningr. elektro-tekhn. in-t im. V. I. Ul'ianova (Lenina), 1960. 166 p.
[MICROFILM]

MICHKOV, V. A. [Kamen' Hydroelectric Power Station on the Ob' River and the irrigation of the Kulunda Steppe] Kamenskaia GES na Obi i oroshenie Kulundy. Novosibirsk, Red. -izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 58 p.

MIKHEEV, N. Z., V. A. KUBYSHEV, and V. A. MEL'NIK. [Tractor-mounted hydraulic systems] Gidravlicheskie navesnye sistemy traktorov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1960. 129 p.
[MICROFILM]

MIKIRTICHAN, G. M. [Portable transistorized superheterodyne receiver] Perenosnyi tranzistornyi supergeterodin. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 528)

MILLER, E. V. [Contactless logic components using transistors and their application] Beskontaktnye logicheskie elementy na poluprovodnikakh i ikh primenenie. Moskva, Izd-vo "Energiia," 1964. 79 p. (Biblioteka po avtomatike, no. 97)

MINSKER, E. I. [Electrical control of automatic lines in the machinery industry] Elektricheskoe upravlenie avtomaticheskimi liniiami v mashinostroenii. Moskva, Izd-vo "Energiia," 1964. 87 p. (Biblioteka po avtomatike, no. 100)

MIRONOV, S. A., and others. [Methods for the rapid heat treatment of concrete and prospects for using them in the production of precast concrete] Metody kratkovremennoi teplovoi obrabotki betona i perspektivy ikh primeneniia pri proizvodstve sbornogo zhelezobetona. Moskva, Stroiizdat, 1964. 117 p.

MIROPOL'SKAIA, N. K. [Safety manual for operation of road machinery and equipment] Pamiatka po tekhnike bezopasnosti pri rabote na dorozhno-stroitel'nykh mashinakh i mekhanizmakh. Moskva, Stroiizdat, 1964. 32 p. (Tekhnika bezopasnosti v stroitel'stve)

MNDZHOIAN, K. A. [Basis of the vibration finishing of natural stone] Osnovy vibratsionnoi obrabotki estestvennykh kamnei Erevan, In-t nauchno-tekhn. informatsii, 1963. 56 p.
[MICROFILM]

MOLODYKH, I. A., M. G. TREGUBENKO, and M. S. CHERTOK. [Manual for studying the Regulations for the Maintenance of Trolleybuses] Posobie dlia izucheniia Pravil tekhnicheskoi ekspluatatsii trolleibusov. Moskva, Stroiizdat, 1964. 226 p.

MOROZOV, K. P. [Repair of machines and mechanisms in logging camps] Remont mashin i mekhanizmov na lesozagotovkakh. Izd. 2., ispr. i dop. Moskva, Lesnaia promyshlennost', 1964. 510 p.

MOROZOV, N. V. [Elements of walls in large-panel apartments] Konstruktsii sten krupnopanel'nykh zhilykh zdanii Moskva, Stroiizdat, 1964. 290 p.

MORUGIN, L. A., and G. V. GLEBOVICH. [Nanosecond pulse techniques] Nanosekundnaia impul'snaia tekhnika Moskva, "Sovetskoe radio," 1964. 623 p.

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA SSSR [Foreign technical periodicals, annotated index] Zarubezhnaia tekhnicheskaia periodika, annotirovannyi ukazatel'. Moskva, 1963. 452 p.
[MICROFILM]

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LITEINOGO MASHINOSTROENIIA I LITEINOI TEKHNOLOGII. [Hand founding, trimming and cleaning tools] Instrument ruchnoi liteinyi obrubnoi i ochistnoi (MN 168-59—MN 175-59, MN 252-59—MN 261-59). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LITEINOGO MASHINOSTROENIIA I LITEINOI TEKHNOLOGII. [Screwed on cast-iron casting boxes, their design and specifications] Opoki liteinye svertnye chugunnye, konstruktsiia i ispolnitel'nye razmery (MN 433-59—MN 468-59). Moskva, Izd-vo standartov, 1964. 141 p. (SSSR. Normali mashinostroeniia)

MOSCOW. INSTITUT MASHINOVEDENIIA. [Contact strength of materials used in the machinery industry] Kontaktnaia prochnost' mashinostroitel'nykh materialov. Moskva, Izd-vo "Nauka," 1964. 196 p.

MOSCOW. INSTITUT METALLURGII. [Plastic deformation of metals] Plasticheskaia deformatsiia metallov. Moskva, Nauka, 1964. 180 p.

MOSCOW. INSTITUT METALLURGII. [Study of steels and alloys] Issledovaniia stalei i splavov. Moskva, Nauka, 1964. 390 p.

MOSCOW. INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Control computers in the petroleum refining and chemical industries; foreign systems] Upravliaiushchie vychislitel'nye mashiny v neftepererabatyvaiushchei i khimicheskoi promyshlennosi zarubezhnye sistemy. Tematicheskii nauchno-tekhnicheskii sbornik. Moskva, 1962. 41 p. (Seriia: Neftepererabotka i neftekhimiia)
[MICROFILM]

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT BETONA I ZHELEZOBETONA. [Manual on the electric heating of concrete and reinforced concrete elements and products] Rukovodstvo po elektroprogrevu betonnykh i zhelezobetonnykh konstruktsii i izdelii. Moskva, Stroiizdat, 1964. 110 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [New synthetic fibers; review of recommended literature] Novye khimicheskie volokna; rekomendatel'nyi obzor literatury. Moskva, Izd-vo "Kniga," 1964. 19 p. (Novoe v nauke i tekhnike, no. 6)

MOSCOW. TEKHNOLOGICHESKII INSTITUT PISHCHEVOI PROMYSHLENNOSTI. [Moscow Technological Institute of the Food Industry] Moskovskii tekhnologicheskii institut pishchevoi promyshlennosti. Moskva, 1960. 45 p.
[MICROFILM]

MOSCOW. TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA CHERNOI METALLURGII. [Continuous mills of hot and cold rolling; a bibliography] Nepreryvnye stany goriachei i kholodnoi prokatki; bibliograficheskii ukazatel'. Moskva, TsIINChM, 1963. 114 p.

MOSCOW. TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA CHERNOI METALLURGII. [Use of oxygen in the converter process; a bibliography] Primenenie kisloroda v konverternom proizvodstve; bibliograficheskii ukazatel'. [By] R. V. Pshekhotskaia. Pod red S. G Afanas'eva. Moskva, 1962. 129 p.
[MICROFILM]

MOSCOW. TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Time norms established in the general machinery industry for forging; mass, large-scale, and batch production] Obshchemashinostroitel'nye normativy vremeni na goriachuiu shtampovku; massovoe krupnoseriinoe i seriinoe proizvodstvo. Izd. 2., dop. i perer. Moskva, Mashinostroenie, 1964. 114 p.

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Powder metallurgy of rare metals; books, journal and patent literature in Russian and foreign languages for 1958 to 1961 (first 6 months)] Poroshkovaia metallurgiia redkikh metallov; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykakh za 1958-1961 gg. (I-e polugodie). Moskva, 1962. 33 p. (Tverdye splavy i poroshkovaia metallurgiia)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Flexible footwear] Gibkaia obuv'. Moskva, 1962. 38 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Mechanized continuous lines for the production of sausages] Potochno-mekhanizirovannye linii proizvodstva kolbas. Moskva, 1962. 18 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Work experience of the "Leningrad" Cheese Factory in Krasnodar Territory] Opyt raboty Leningradskogo syrodel'nogo zavoda Krasnodarskogo kraia. Moskva, 1963. 22 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Development of the manufacture of woodworking equipment in the U. S. S. R. and in capitalist countries] Razvitie proizvodstva derevoobrabatyvaiushchego oborudovaniia v SSSR i v kapitalisticheskikh stranakh. Moskva, 1963. 210 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [New advanced technology and technological equipment in the machinery industry] Novaia progressivnaia tekhnologiia i tekhnologicheskoe oborudovanie v mashinostroenii. Moskva, 1963. 55 p.
[MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [New knitting machines of the German Federal Republic] Novye trikotazhnye mashiny FRG. Moskva, 1963. 49 p. (Seriia III. Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 68)
[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU. [First-stage floating of lumber by the patrolled distance method] Pervonachal'nyi splav lesa distantsionno-patrul'nym sposobom; sbornik. Moskva, 1963. 29 p. (Lesoekspluatatsiia)
[MICROFILM]

MOSCOW TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, TSELLIULOZNO-BUMAZHNOI, DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI I LESNOMU KHOZIAISTVU [Standard designs of high-capacity hydrolysis yeast plants] Tipovye proekty gidroliznodrozhzhevykh zavodov bol'shoi moshchnosti. Moskva, 1963 35 p (Gidroliz i lesokhimiia)

[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Monomethyl hydrazine, digest of foreign literature] Monometilgidrazin, obzor zarubezhnoi literatury. Moskva, 1963. 16 p. (Seriia: Neftepererabotka)

[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOFIZICHESKIKH METODOV RAZVEDKI. [Album of transparent graph paper sheets on electric sounding for sections with vertical inclines and horizontal and vertical contacts] Al'bom paletok elektricheskogo zondirovaniia dlia razrezov s vertikal'nymi, naklonnymi i gorizontal'no-vertikal'nymi kontaktami (VK, NK i GVK). Moskva, 1963. 1v.

[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII SEL'SKOGO KHOZIAISTVA. Laboratoriia obshchei teorii sel'khozmashin i novykh metodov ikh issledovaniia. Nauchno-tekhnicheskaia biblioteka. [Use of radioisotopes in the mechanization of agriculture; bibliographic list of Soviet and foreign literature published during 1956-1962] Primenenie radioaktivnykh izotopov v mekhanizatsii sel'skogo khoziaistva, bibliograficheskii spisok otechestvennoi i inostrannoi literatury za 1956-1962 g.g. Moskva, VIM, 1963. 30 p.

[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO NORMALIZATSII V MASHINOSTROENII. [Axles with beads and grooves for clamping rings for hinged joints. Clamping rings and their grooves] Osi s burtikom i protochkoi pod zapornoe kol'tso dlia sharnirnykh soedinenii. Kol'tsa zapornye i protochki pod nikh (MN 469-61 i MN 470-61). Moskva, Izd-vo standartov, 1964. 10 p. (SSSR. Normali mashinostroeniia)

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TSELLIULOZNO-BUMAZHNOI PROMYSHLENNOSTI. [Handbook for the papermaker in three volumes] Spravochnik bumazhnika v trekh tomakh. Moskva, Izd-vo "Lesnaia promyshlennost' "

Vol. 1. Izd. 2., perer. i dop. 1964. 840 p.

MOSCOW VSESOIUZNYI ZAOCHNYI INZHENERNO-STROITEL'NYI INSTITUT Kafedra arkhitektury. [Principles of structural physics; a textbook for students specializing in construction at the All-Union Engineering and Construction Correspondence Institute] Osnovy stroitel'noi fiziki, uchebnoe posobie dlia studentov stroitel'nykh spetsial'nostei VZSI. Moskva

Sec. 1. [Structural heat engineering] Stroitel'naia teplotekhnika. 1963. 76 p.

Sec. 2. Serbinovich, P. P., comp. [Structural acoustics] Stroitel'naia akustika. 1962. 26 p.

Sec. 3. [Structural lighting engineering] Stroitel'naia svetotekhnika. 1963. 30 p.

[MICROFILMS]

MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. [Science, 1961; through the Exhibition pavilions] Nauka, god 1961; po pavil'onam Vystavki. Moskva, 1961. 65 p.

[MICROFILM]

MOSHONKIN, N. P., D. S. ZHUK, and V. G. SAECHNIKOV. ["Komilesprom" machine units based on the MAZ and ZIL motor vehicles] Agregatnye mashiny "Komilesprom" na baze avtomobilei MAZ i ZIL. Moskva, Izd-vo "Lesnaia promyshlennost," 1964. 101 p.

MUMORTSEV, N. D. [Organizing the work of constructing industrial and public structures; manual for drawing up a course project for students majoring in industrial construction and civil engineering] Organizatsiia proizvodstva rabot na stroitel'stve promyshlennykh i grazhdanskikh sooruzhenii, posobie po sostavleniiu kursovogo proekta dlia studentov spetsial'nosti promyshlennogo i grazhdanskogo stroitel'stva. Kuibyshev, Kuibyshevskii inzhenerno-stroitel'nyi in-t, *1960 271 p.*

[MICROFILM]

MYSHALOV, S. V. [Die casting] Lit'e pod davleniem. Izd. 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 49 p. (Nauchno-populiarnaia biblioteka rabochego-*liteishchika*)

NAIDIN, K. A. [Long service for a tire] Shine - dolguiu sluzhbu. [Omsk] Omskoe knizhnoe izd-vo, 1962. 78 p.

NAUCHNAIA SESSIIA PO KHIMII SERA I AZOTOORGANICHESKIKH SOEDINENII, SODERZHASHCHIKHSIA V NEFTIAKH I NEFTEPRODUKTAKH. [Chemistry of sulfur organic compounds in petroleums and petroleum products] Khimiia Seraorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh. Moskva, Gostoptekhizdat.

Vol. 5. 1963. 262 p.

NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA RABOTNIKOV SAKHARNOI PROMYSHLENNOSTI KIRGIZII, 2d, Frunze, 1958 [Materials of the Second Scientific and Technical Conference of the Workers of the Sugar Industry of Kirghizistan] Materialy. Frunze, In-t *nauchno-tekhn. informatsii, 1958. 27 p.*

[MICROFILM]

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO LESNOI PROMYSHLENNOSTI. Vologodskoe oblastnoe pravlenie. [Mechanizing the bunching of logs at the logging camps of Vologda Province] Mekhanizatsiia shtabelevki drevesiny v lespromkhozakh Vologodskoi oblasti. [Vologda, Vologodskoe knizhnoe izd-vo, 1959] 18 p.

NERUBAI, M. S. [Cutting of heat-resistant and titanium alloys using ultrasonics] Rezanie zharoprochnykh i titanovykh splavov s pomoshch'iu ul'trazvuka. Pod red. N. I. Reznikova. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 42 p. (Novoe v tekhnike)

NESMELOV, A. F. [Diamond tools in industry] Almaznye instrumenty v promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964. 342 p.

NIKOL'SII, I. A. [Quantum amplifiers] Kvantovye usiliteli. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no. 532)

NOSKOV, B. A., and I. N. DEN'GIN. [Using natural gas for the melting of cast iron] Primenenie prirodnogo gaza pri vtorichnoi plavke chuguna. Kiev, Tekhnika, 1964. 114 p.

NOVAK, S. IA. [Minimum technological requirements for personnel servicing gas equipment of communal buildings and boiler houses] Tekhminimum dlia personala, obsluzhivaiushchego gazovoe oborudovanie kommunal'no-bytovykh predpriiatii i kotel'nykh. Moskva, Izd-vo lit-ry po stroit. "Stroiizdat," 1964. 93 p.

NOVOSIBIRSK. INZHENERNO-STROITEL'NYI INSTITUT. Kafedra vysshei matematiki. [Concise manual on computer techniques, a manual for students of the Novosibirsk Construction Engineering Institute] Kratkii spravochnik po tekhnike vychislenii; uchebnoe posobie dlia studentov Novosibirskogo inzhenerno-stroitel'nogo instituta. Novosibirsk, 1961. 85 p.

[MICROFILM]

ORESHNIKOV, V. V. [Electrical measuring devices with direct valuation] Elektroizmeritel'nye pribory neposredstvennoi otsenki; spravochnoe posobie. Moskva, Izd-vo "Mashinostroenie," 1964. 183 p.

OSIPOV, L. G., P. P. SERBINOVICH, and V. E. KRASENSKII. [Public and industrial buildings; architectural and construction designs and building elements] Grazhdanskie i promyshlennye zdaniia, arkhitekturnokonstruktivnye skhemy i *elementy zdanii. Izd. 3.*, perer. Pod red. L. G. Osipova. *Moskva*, Vysshaia shkola, 1964. 483 p.

OVCHINNIKOV, V. F. [Preventing explosions by isolating underground fires in gassy mines] Preduprezhdenie vzryvov pri izoliatsii podzemnykh pozharov v gazovykh shakhtakh. Pod red. F. A. Abramova. Moskva, Nedra, 1964. 146 p.

OVNATANOV, G. T. [Drilling in and treating strata; theoretical and experimental investigations of the drilling in and treatment of the bottom zone of a stratum which is an oil and gas reservoir of the fractured type] Vskrytie i obrabotka plasta; teoreticheskie i eksperimental'nye issledovaniia vskrytiia i obrabotki prizaboinoi zony plasta, predstavlennogo kollektorami nefti i gaza treshchinnogo tipa. Moskva, Izd-vo "Nedra," 1964. 265 p.

PARTENSKII, B. M. [Linkages; kinematic study and synthesis] Rychazhnye mekhanizmy, kinematicheskoe issledovanie i sintez. Moskva, Mashinostroenie, *1964. 177 p.*

PAVLICHENKO, V. S. [Resistance welding of parts with a closed contour] Kontaktnaia svarka izdelii zamknutoi formy. Moskva, Mashinostroenie, 1964. 112 p.

PAVLOV, L. I. [Lectures for a course in "Overvoltages and overvoltage protection. Lightning and protection from direct lightning strokes"] Lektsii po kursu "Perenapriazheniia i zashchita ot perenapriazhenii. Molniia i grozozashchita ot priamykh udarov molnii " Moskva, Vses. zaochnyi energeticheskii in-t, 1963. 52 p.

[MICROFILM]

PAVLOV, V. A., S. A. PONYRKO, and IU. M. KHOVANSKII. [Stabilization of aircraft and automatic pilots] Stabilizatsiia letatel'nykh apparatov i avtopiloty. Moskva, Vysshaia shkola, 1964. 483 p.

PEKELIS, G. D., and B. T. GEL'BERG. [Mechanization of fitting and repair work] Mekhanizatsiia slesarno-remontnykh rabot. Moskva, Mashinostroenie, 1964. 157 p.

PEREKAL'SKII, N. P., and B. N. MOISEEV. [Norms for lapping woodpulp from the screening and drying *sections of wet machines] Normy s''ema tselliulozy* s setochnoi i sushil'noi chastei pressspatov. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhnikoekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 23 p. (Bumaga i tselliuloza)

[MICROFILM]

PETROV, K. M., and V. I. D'IAKONOV. [Vacuum is a magician] Vakuum - volshebnik. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 137 p.

PETROV, M. P., and others. [Locating and eliminating faults in the VL8 electric locomotives] Obnaruzhenie i ustranenie neispravnostei na elektrovoze VL8. Izd. 2., perer. Moskva, Izd-vo "Transport," 1964. 162 p. diagrs. (insert)

PETROVA, A. N. [Sliver delivering machines] Lentochnye mashiny. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1964 49 p.

PETROVICH, N. T. [Communication channels with phase keying] Kanaly sviazi s fazovoi manipuliatsiei. Moskva, Red. - izd. otdel Vses. zaochnogo elektrotekhn. in-ta sviazi, 1962. 61 p.

[MICROFILM]

PITERSKOV, N. I. [Safety manual for mechanics on the equipment of boiler systems] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnika po oborudovaniiu kotel'nykh ustanovok. Moskva, Stroiizdat, 1964. 37 p. (Tekhnika bezopasnosti v stroitel'stve)

PIVOVAROV, G. IA. [Technical and chemical processes in the manufacture of electrical vacuum devices] Tekhnokhimicheskie protsessy elektrovakuumnogo proizvodstva. Moskva, Izd-vo "Energiia," 1964. 303 p.

POPOV, A. N. [Industrial construction] Promyshlennoe *stroitel'stvo. Moskva, Izd-vo "Znanie," 1964. 37 p.* (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 13)

POPOV, I. S. [Reed thickets as a raw materials base for the woodpulp and paper industry] Trostnikovye zarosli kak syr'evaia baza tselliulozno-bumazhnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 243 p.

[POTATOES, FRUIT, BERRIES, VINE CROPS, MUSHROOMS AND THE PRODUCTS OF THEIR PROCESSING; collection of State standards, specifications for the Republics, and technical specifications] Kartofel', ovoshchi, plody, iagody, bakchevye kul'tury, griby i produkty ikh pererabotki; sbornik gosudarstvennykh standartov, respublikanskikh tekhnicheskikh uslovii i tekhnicheskikh uslovii. Moskva, Izd-vo Standartov.

Pt. 2. 1964. 621 p.

POZHARITSKII, K. L. [Determining the content of valuable components in the margins of an ore deposit] Opredelenie bortovogo soderzhaniia tsennykh komponentov v rude mestorozhdeniia. Moskva, M-vo geologii i okhrany nedr SSSR, 1962. 30 p.

[MICROFILM]

PRASOLOV, R. S. [Mass and heat transfer in furnace systems] Masso- i teploperenos v topochnykh ustroistvakh. Moskva, Izd-vo "Energiia," 1964. 236 p.

[PRINCIPLES OF INDUSTRIAL ELECTRONICS] Osnovy promyshlennoi elektroniki. [By] A. P. Dorokhov i dr. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 214 p.

PROKHORENKO, K. K., and others. [Making and pouring quality steels] Vyplavka i razlivka kachestvennykh stalei. Moskva, Izd-vo Metallurgiia, 1964. 2[illegible] p.

PUSHKAREV, V. V. [Assembly line construction of apartment houses and buildings for cultural and social purposes] Stroitel'stvo zhilykh domov i kul'turno-bytovykh zdanii potochnym metodom. Moskva, Stroiizdat, 1964. 161 p.

[illegible]LVSKAIA, F. A. [Mechanical drawing of spatial angles] Nachertatel'naia grafika prostranstvennykh uglov. Moskva, Izd-vo "Mashinostroenie," 1964. 210 p. diagrs. (inset)

RA[illegible]MIKHIN, M. A. [Friction resistance of low current contacts] Friktsionnaia ustoichivost' malotochnykh kontaktov. Moskva, Izd-vo "Energiia," 1964. 80 p. (Biblioteka po avtomatike, no. 104)

[illegible], E. G. [Coordinate points on a circle; reference tables] Koordinaty tochek okruzhnosti; spravochnye tablitsy. Moskva, Mashinostroenie, 1964. 115 p.

[illegible]KACH, V. G. [Principles for calculating thin shell three-dimensional systems] Osnovy rascheta tonkostennykh prostranstvennykh sistem. Moskva, [illegible], 1964. 135 p.

[illegible], E. M. [Sanitary equipment and gas distribution in buildings] Sanitarno-tekhnicheskie ustroistva i gazosnabzhenie zdanii. 3. izd., perer. i dop. Moskva, Stroiizdat, 1964. 344 p. diagrs. (inset)

[illegible], V. S., and O. A. [illegible]. [Transport [illegible] drawings and design elements and materials, album of drawings] [illegible]. Moskva, Mashinostroenie, 1964. 15[illegible] p.

[illegible]OV, V. I. [Practical study of electrical equipment] Prakticheskie zaniatiia po elektrooborudovaniiu. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 1[illegible] p.

[illegible], V. S. [Setting technical standards for construction operations] Tekhnicheskoe normirovanie stroitel'nykh rabot. Moskva, [illegible] stroitel'stva, 1963. 114 p.
[MICROFILM]

[illegible], N. M. [[illegible] stone quarries, their design and operation] Kar'ery pil'nogo kamnia, proektirovanie i ekspluatatsiia. Kiev, "Budivel'nyk," 1964. 175 p.

[illegible], A. A. [Underwater photography] Podvodnaia fotos"emka. Moskva, Izd-vo "Nauka," 1964. 101 p. illus. (Nauchno-populiarnaia seriia)

[illegible]MANOV, V. A. [Photographic and cinematographic [illegible]] Fotokinotovary. Moskva, Ekonomika, 1964. 260 p.

ROMANKOV, P. G., and N. B. RASHKOVSKAIA [Fluidized bed drying, theory, design and calculations] Sushka v kipiashchem sloe; teoriia, konstruktsii, raschet. Leningrad, Izd-vo "Khimiia," 1964. 287 p.

ROMANOV, A. A. [Trimming and cleaning of castings] Obrubka i ochistka otlivok. Izd. 2., perer. Pod red. L. M. [illegible]. Moskva, Izd-vo "Mashinostroenie," 1964. 55 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

ROTTERMEL', B. P., and A. P. BYKOV. [Maintenance of tractors and combines] Tekhnicheskii ukhod za traktorami i kombainami. [Omsk] Omskoe knizhnoe izd-vo, 1963. 120 p. (Biblioteka mekhanizatora)

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie sanitarno-tekhnicheskikh i montazhnykh rabot. Proektno-konstruktorskaia kontora [Bibliography of translations of articles from foreign magazines on problems of sanitary engineering during the second half of 1959, 1960, and 1961] Perechen' perevodov statei iz zarubezhnykh zhurnalov po voprosam sanitarnoi tekhniki za vtoruiu polovinu 1959 goda, 1960 i 1961 gody. [Moskva] TSentr. biuro tekhn. informatsii, 1962. 30 p.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for assembling high-pressure equipment, for P from 100 to 700 kgf/cm². Approved by the R. S. F. S. R. State Committee for Construction July 23, 1963] Ukazaniia po montazhu apparatov vysokogo davleniia P ot 100 do 700 kgs/cm² (USN 20-63) Utverzhdeny Gosudarstvennym komitetom Soveta Ministrov RSFSR po delam stroitel'stva 23 iiulia 1963 g. Moskva, Stroiizdat, 1964. 62 p.

RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard time norms for preparing structural steel elements and parts for industrial buildings and installations] Tipovye normy vremeni na izgotovlenie stroitel'nykh stal'nykh konstruktsii i detalei dlia promyshlennykh zdanii i sooruzhenii. Moskva, Stroiizdat, 1964. 90 p.

RUSSIA (1917- R. S. F. S. R.) Komi ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Problems of the construction of motor-vehicle roads for lumber transportation] Voprosy stroitel'stva avtomobil'nykh lesovoznykh dorog. Syktyvkar, TSentr. biuro tekhn. informatsii, 1962. 37 p.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Ministerstvo kommunal'nogo khoziaistva. Proektno-naladochnoe upravlenie gazovogo khoziaistva. [Industrializing the assembly of apartment gas equipment] Industrializatsiia montazha vnutrikvartirnogo gazovogo oborudovaniia. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 15 p.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Ministerstvo stroitel'stva. Glavnoe upravlenie po delam sel'skogo i kolkhoznogo stroitel'stva. [Construction of livestock buildings from prefabricated elements] Stroitel'stvo zhivotnovodcheskikh pomeshchenii iz industrial'nykh elementov. Moskva, Trest "Orgsovkhozstroi," 1963. 11 p.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Ministerstvo stroitel'stva. Glavnoe upravlenie po delam sel'skogo i kolkhoznogo stroitel'stva. [Rural builders of the Altai contemplate new frontiers, work practices of the "Altai Territory Construction Administration"] Sel'skie stroiteli Altaia namerchaiut novye rubezhi, opyt raboty upravleniia "Altaiselstroi." Moskva, Trest "Orgsovkhozstroi," 1963. 15 p.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Omskii ekonomicheskii [illegible]

RUSSIA (1917- R. S. F. S. R.) Sverdlovskii ekonomicheskii administrativnyi raion. Upravlenie derevoobrabatyvaiushchei [illegible] promyshlennosti. [Furniture] Mebel'. Sverdlovsk, TSentr. biuro tekhn. informatsii, 1962. 10[illegible] p. illus.
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Sverdlovskii ekonomicheskii administrativnyi raion. Upravlenie stroitel'stva. [Building large-panel apartment houses in Sverdlovsk] Krupnopanel'noe domostroenie v Sverdlovske. Sverdlovsk, TSentr. biuro tekhn. informatsii, 1962. 27 p.
[MICROFILM]

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Instruction on the processing of topographic and geodesic works in geological surveying and prospecting] Instruktsiia po proizvodstvu topografo-geodezicheskikh rabot pri geologicheskoi s"emke i razvedke. Moskva, Izd-vo "Nedra," 1964. 211 p.

RU[illegible] TSentr. in-t nauchno-tekhn. informatsii priborostroeniia, elektro-tekhn. promyshl. i sredstv avtomatizatsii, 1962. 18 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)
[MICROFILM]

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2, Sec. A, ch. 8. [Natural illumination; specifications for designs] Estestvennoe osveshchenie; normy proektirovaniia (SNiP II-A.8-62) 1962. 12 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing interior drains for buildings] Ukazaniia po proektirovaniiu vnutrennikh vodostokov zdanii (SN 264-63) Moskva, Stroiizdat, 1964. 41 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing rural water supply] Ukazaniia po proektirovaniiu sel'skokhoziaistvennogo vodosnabzheniia (SN 267-63). Moskva, Stroiizdat, 1964. 24 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for planning anticorrosive protection of structural elements of industrial buildings producing aggressive media] Ukazaniia po proektirovaniiu antikorrozionnoi zashchity stroitel'nykh konstruktsii promyshlennykh zdanii v proizvodstvakh s agressivnymi sredami (SN 262-63). Moskva, Stroiizdat, 1964. 60 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for the use in reinforced concrete structures of class A-IV hot-rolled rod reinforcement made of brand-new steel. Approved by the U. S. S. R. State Committee for Construction, January 31, 1964] Ukazaniia po primeneniiu v zhelezobetonnykh konstruktsiiakh sterzhnevoi goriachekatanoi armatury klassa A-IV iz stali novykh marok (SN 269-64) Utverzhdeny Gosudarstvennym komitetom po delam stroitel'stva SSSR 31 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Stroiizdat, 1964. 20 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Supplements and amendments to the standard specifications and designs for building, assembling, and repairing operations of 1960] Dopolneniia i izmeneniia k edinym normam i rastsenkam na stroitel'nye, montazhnye i remontno-stroitel'nye raboty (ENiR) 1960 g. Moskva, Stroiizdat.
No. 3. Izd. 2. 1964. 116 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Supplements and amendments to the "Standards and estimates for building, assembling, and repair work", 1960, and to the "Unified tariff qualification reference book for operations and for workers engaged in building and repair work" 1960] Dopolneniia i izmeneniia k "Edinym normam i rastsenkam na stroitel'nye, montazhnye, i remontno-stroitel'nye raboty" (ENiR) 1960 g. i k "Edinomu tarifno-kvalifikatsionnomu spravochniku rabot i professii rabochikh, zaniatykh v stroitel'stve i na remontno-stroitel'nykh rabotakh" (ETKS) 1960 g. Moskva, Stroiizdat.
No. 4. 1964. 97 p.

RU[illegible] electrical systems] Pravila tekhnicheskoi ekspluatatsii elektrostantsii i setei; vypusk dlia personala sel'skikh elektroustanovok. Moskva, Energiia, 1964. 101 p.

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Accessory tools and parts for broaching machines] Instrument vspomogatel'nyi i prinadlezhnosti k protiazhnym stankam (MN 102-63—MN 112-63; MN 5146-63—MN 5161-63). Moskva, Izd-vo standartov, 1964. 166 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Adjustable thread-rolling dies for external metric threads with a diameter from 4 to 33 mm] Plashki rez'bonakatnye reguliruemye s rolikami dlia metricheskikh naruzhnykh rez'b diametrom ot 4 do 33 mm. (MN 4947-63—MN 4963-63). Moskva, Izd-vo standartov, 1964. 30 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Automatic lines, transport units] Avtomaticheskie linii, uzly transporta. (MN 5135-63—MN 5141-63). Moskva, Izd-vo standartov, 1964. 24 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Bevel gear wheels (pairs) with circular teeth having a nominal inclination angle of 35°] Kolesa (pary) zubchatye konicheskie s krugovym zub'iami s nominal'nym uglom naklona zuba 35° (MN 4410-63—MN 4478-63). Moskva, Izd-vo standartov, 1964. 123 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Brass, copper and aluminum bottoms, design and specifications] Dnishcha latunnye, mednye i aliuminievye, konstruktsiia i ispolnitel'nye razmery. (MN 3033-61—MN 3038-61). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Buckets and guiding arches for sandblast heads] Kovshi i dugi napravliaiushchie dlia peskometnykh golovok (MN 5362-64—MN 5364-64). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cam-type arbors for lathes, design and construction] Opravki dlia tokarnykh stankov kulachkovye, konstruktsiia i razmery (MN 5267-63—MN 5270-63). Moskva, Izd-vo standartov, 1964. 39 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Carriages of recording devices, design and specifications] Karetki samopishushchikh mekhanizmov, konstruktsiia i ispolnitel'nye razmery (MN 4664-63—MN 4666-63). Moskva, Izd-vo standartov, 1963. 40 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Chasers, cams, sprockets and screws for screw-cutting heads according to State Standard 3307-61] Grebenki, kulachki, zvezdochki i vinty k vintoreznym golovkam po GOST 3307-61 (MN 4268-63—MN 4299-63). Moskva, Izd-vo standartov, 1964. 123 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cold extrusion of hollows which shape working parts of die-casting molds and dies] Vydavlivanie kholodnoe polostei formoobrazuiushchikh rabochikh detalei press-form i shtampov (RTM 113-63) Moskva, Izd-vo standartov, 1964. 52 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cold stamping dies fitted out with hard alloys, design and construction] Shtampy dlia kholodnoi shtampovki, osnashchennye tverdymi splavami, raschety i konstruirovanie (RTM 112-63). Moskva, Izd-vo standartov, 1964. 115 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Counterbores and countersinks] Zenkery i zenkovki (MN 700-60—MN 716-60, MN 717-63, MN 718-63, MN 721-60—MN 729-60). Moskva, Izd-vo standartov, 1964. 59 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Coupling elements for pneumatic measuring systems, their design and dimensions] Elementy soedineniia pnevmaticheskikh izmeritel'nykh sistem, konstruktsiia i razmery (MH 4670-63—MN 4675-63). Moskva, Izd-vo standartov, 1963. 7 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Crane ladles for molten metal, types, parameters and basic dimensions] Kovshi dlia zhidkogo metalla kranovye, tipy, parametry i osnovnye razmery (MN 5182-63—MN 5193-63). Moskva, Izd-vo standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, and gas tests, installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii i prob na gaz; sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4913-63—MN 4926-63). Moskva, Izd-vo standartov, (SSSR. Normali mashinostroeniia)

Pt. 2. [For aggressive media] Dlia agressivnykh sred. 1964. 43 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, temperatures and gas tests, installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii, temperatury i prob na gaz, sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4828-63—MN 4887-63). Moskva, Izd-vo standartov. (SSSR. Normali mashinostroeniia)

Pt. 1. [For nonaggressive media] Dlia neagressivnykh sred. 1964. 156 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Dies for cold stamping, universal blocks, diesets and die parts for pressing articles of nonferrous metals] Shtampy dlia kholodnoi shtampovki, bloki universal'nye, pakety i detali shtampov dlia pressovaniia izdelii iz tsvetnykh metallov (MN 4888-63—MN 4897-63). Moskva, Izd-vo standartov, 1964. 67 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Dies for horizontal forging machines, design and construction] Shtampy dlia gorizontal'no-kovochnykh mashin, raschety i konstruirovanie (RTM 39-61). Moskva, Izd-vo standartov, 1964. 115 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Distributing pneumatic devices, three-way valves with nominal diameter from 15 to 70 mm. (thread gauge 1/2"- thread gauge of pipe 2 1/2"] Pnevmoapparatura raspredelitel'naia, klapany trekhkhodovye D_u15-70 mm (K 1/2" - K trub. 2 1/2") (MN 4900-63). Moskva, Izd-vo standartov, 1963. 15 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [End cutters for machining dovetail-type box dowels] Frezy kontsevye dlia obrabotki iashchichnykh shipov tipa "lastochkin khvost" (MN 5311-64, MH 5312-64). Moskva, Izd-vo standartov, 1964. 5 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Forms of technological specifications] Formy tekhnologicheskoi dokumentatsii (RTM 94-63—RTM 103-63). Moskva, Izd-vo standartov.

Pt. 1. 1964. 26 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hand ladles for molten metal] Kovshi dlia zhidkogo metalla ruchnye (MN 5100-63—MN 5105-63). Moskva, Izd-vo standartov, 1964. 36 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hand machines, spindle ends, fastening places for tools] Mashiny ruchnye; kontsy shpindelei, mesta krepleniia instrumentov (MN 5065-63—MN 5072-63). Moskva, Izd-vo standartov, 1964. 52 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R) Komitet standartov, mer i izmeritel'nykh priborov. [Hoisting crane drums, steel rope fastening] Barabany kranovye gruzovye, kreplenie stal'nogo kanata (MN 4806-63 i MN 4807-63). Moskva, Izd-vo standartov, 1963. 3 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Holders for disk thread-cutting tools for lathes] Derzhavki dlia rez'bovykh diskovykh reztsov k tokarnym stankam (MN 5273-64 i MN 5274-64). Moskva, Izd-vo standartov, 1964. 15 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hollow and semihollow rivets] Zaklepki pustotelye i polupustotelye (MN 5335-64—MN 5341-64). Moskva, Izd-vo standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hydraulic and lubricating devices; filters; magnetic separators] Gidravlicheskie i smazochnye ustroistva; fil'try, magnitnye ulovitell. (MN 4650-63—MN 4652-63). Moskva, Izd-vo standartov, 1963. 10 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Immersible heat-exchange elements made of graphite] Teploobmennye elementy pogruzhnogo tipa iz grafita (MN 5111-63). Moskva, Izd-vo standartov, 1964. 18 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Keys and pins for mounting attachments on machine-tool tables, dimensions] Shponki i shtyri dlia ustanovki prisposoblenii na stolakh stankov, razmery (MN 4700-63—MN 4703-63). Moskva, Izd-vo standartov, 1964. 6 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Lubricating equipment, plunger pumps for P nominal of 10 kgf/cm^2] Smazochnoe oborudovanie, nasosy plunzhernye na P_{nom} = 10 kgs/cm^2 (MN 3031-61) Moskva, Izd-vo standartov, 1964. 26 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Machine-tool vices turning in three planes for boring; design and basic dimensions] Tiski stanochnye povorotnye v trekh ploskostiakh dlia zatochnykh rabot; konstruktsiia i osnovnye razmery (MH 5061-63 - MH 5064-63). Moskva, Izd-vo Standartov, 1964. 8 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools, cutters] Rezhushchii instrument; reztsy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 78 p. (SSSR. Gosudarstvennye standarty)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Metal molds (chill molds), devices with hydraulic and pneumatic drives for removing cores] Formy metallicheskie (kokili); prisposobleniia dlia udaleniia sterzhnei gidravlicheskimi i pnevmaticheskimi privodami (MN 4706-63 i MN 4707-63). Moskva, Izd-vo standartov, 1964. 10 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Methods for calculating specification dimensions of thread gauges for metric threads] Metodika rascheta ispolnitel'nykh razmerov rez'bovykh kalibrov dlia metricheskoi rez'by (RTM 64-62). Moskva, Izd-vo standartov, 1964. 11 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Milling cutters equipped with hard-alloy plates for machining steel and cast iron, their design and specifications] Frezy, osnashchennye plastinkami iz tverdogo splava dlia obrabotki stali i chuguna, konstruktsiia i ispolnitel'nye razmery (MN 965-60—MN 1001-60; MN 5018-63). Moskva, Izd-vo standartov, 1964. 63 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Molds for die-casting of thermoplastics] Formy dlia lit'ia pod davleniem termoplastov (MN 5156-63—MN 5160-63) Moskva, Izd-vo standartov, 1964. 130 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Monorail ladles for molten metal; types, parameters and basic dimensions] Kovshi dlia zhidkogo metalla monorel'sovye, tipy, parametry i osnovnye razmery (MN 5106-63—MN 5110-63). Moskva, Izd-vo standartov, 1964. 11 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Mounting pulleys and tackles with a lifting capacity from 1,25 to 50 tons per second] Bloki i polispasty montazhnye gruzopod'emnost'iu ot 1,25 do 50 ts (MN 2778-61—MN 2786-61). Moskva, Izd-vo standartov, 1964. 75 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [One-piece cutters for machining rectangular box dowels] Frezy tsel'nye dlia obrabotki priamougol'nykh iashchichnykh shipov (MN 4966-63—MN 4968-63). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Operating parts] Detali upravleniia (MN 4-64—MN 6-64, MN 8-64—MN 12-64, MN 2725-64 i MN 5333-64). Moskva, Izd-vo standartov, 1964. 47 p. (SSSR. Normali. mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Parts and units of vessels and apparatus, connecting pipes, end caps, manholes made of two-layer steel for a nominal pressure from 2,5 to 64 kgf/cm^2] Detali i uzly sosudov i apparatov, shtutsery, zaglushki, liuki-lazy iz dvukhsloinoi stali na P_u ot 2,5 do 64 kgs/cm^2 (MN 4570-63—MN 4603-63) Moskva, Izd-vo standartov, 1963. 107 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Parts for pipelines made of alloy steel for $P_{nominal}$ to 100 kgf/cm^2, curved branch pipes, forged and stamped parts] Detali truboprovodov iz legirovannoi stali na P_u do 100 kgs/cm^2, otvody gnutye, detali kovanye i shtampovannye (MN 4751-63—MN 4762-63). Moskva, Izd-vo standartov, 1964. 95 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pipeline parts lined with polyethylene and vinyl plastic resistant to $P_{nominal}$ of 10 and 16 kgf/cm^2] Detali truboprovodov, futerovannykh polietilenom i viniplastom na $P_u = 10$ i 16 kgs/cm^2 (MN 5030-63—MN 5053-63). Moskva, Izd-vo standartov, 1964. 55 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pipeline parts made from welded alloyed steel resistant to $P_{nominal}$ up to 100 kgf/cm^2] Detali truboprovodov iz legirovannoi stali svarnye na P_u do 100 kgs/cm^2 (MN 4739-63—MN 4750-63). Moskva, Izd-vo standartov, 1963. 140 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Piston compressors; self-acting, individual, circular valves; types and fitting dimensions] Kompressory porshnevye, klapany samodeistvuiushchie kruglye individual'nye, tipy i posadochnye razmery (MN 4008-63). Moskva, Izd-vo standartov, 1963. 7 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Plug-type connectors for manual electric machines] Soedineniia shtepsel'nye dlia ruchnykh elektricheskikh mashin (MN 4676-63—MN 4691-63). Moskva, Izd-vo standartov, 1963. 48 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pneumatic controllers and regulators] Pnevmoapparatura kontrol'no-reguliruiushchaia (MN 4813-63—MN 4818-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Radial-action pneumatic-tube clutches] Mufty pnevmokamernye radial'nogo deistviia (MN 5019-63—MN 5022-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Reinforced rubber sleeves with springs for packing shafts] Manzhety rezinovye armirovannye s pruzhinoi dlia uplotneniia valov (MN 5308-64—MN 5310-64). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Roll electrodes for resistance welding machines] Elektrody rolikovye dlia elektrosvarochnykh kontaktnykh mashin (MN 113-60—MN 116-60). Moskva, Izd-vo standartov, 1964. 15 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Roller arbor for lathes; design and dimensions] Opravki dlia tokarnykh stankov rolikovye; konstruktsiia i razmery (MN 5229-63, MN 5230-63) Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rolls for knurling fluting; design and specifications] Roliki dlia nakatki riflenii; konstruktsii i ispolnitel'nye razmery (MN 2027-61—MN 2029-61) Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rotary machines and lines; electric cutouts] Rotornye mashiny i linii; elektroproryvateli (MN 6125-63—MN 6127-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rotary machines and lines; electromagnets] Rotornye mashiny i linii; elektromagnity (MN 6152-63—MN 6164-63). Moskva, Izd-vo standartov, 1964. 52 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Sealing rubber sleeves with reduced cross sections for hydraulic devices] Manzhety rezinovye uplotnitel'nye umen'shennogo secheniia dlia gidravlicheskikh ustroistv (MN 5334-64). [Moskva] Izd-vo standartov, 1964. 11 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Sectional plate heat exchangers, parameters and basic dimensions] Teploobmenniki plastinchatye razbornye, parametry i osnovnye razmery (MN 2791-61—MN 2792-61). Moskva, Izd-vo standartov, 1964. 11 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Shaving-type hobbing cutter] Frezy cherviachnye pod shever (MN 4909-63—MH 4912-63). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Structural elements of cast parts] Elementy konstruktsii litykh detalei (RTM 12-60). Moskva, Izd-vo standartov, 1964. 52 p.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Supports of vertical and horizontal vessels and devices] Opory vertikal'nykh i gorizontal'nykh sosudov i apparatov (MN 5128-63—MN 5134-63). Moskva, Izd-vo standartov, 1964. 44 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Technical shot of cast iron and steel, types, dimensions, technical requirements] Drob' tekhnicheskaia iz chuguna i stali, tipy, razmery, tekhnicheskie trebovaniia (MN 4081-62). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Thread gauges for metric thread having gaps with a diameter from 1 to 68 mm., specifications] Kalibry rez'bovye dlia metricheskoi rez'by s zazorami diametrom ot 1 do 68 mm, ispolnitel'nye razmery (MN 5356-64). Moskva, Izd-vo standartov, 1964. 213 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Thread gauges for metric thread having gaps with a diameter from 68 to 180 mm., specifications] Kalibry rez'bovye dlia metricheskoi rez'by s zazorami diametrom sv. 68 do 180 mm, ispolnitel'nye razmery (MN 5357-64). Moskva, Izd-vo standartov, 1964. 131 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Tools for automatic nut upsetters] Instrument dlia gaikovysadochnykh avtomatov (MN 5112-63—MN 5123-63). Moskva, Izd-vo standartov, 1964. 127 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i id [illegible] o- vochno-soedinitel'nye (MN 5023-63—MN 5928-63). Moskva, Izd-vo standartov, 1964. 31 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Transfer machines and lines, safety, double, end-clutches] Rotornye mashiny i linii; mufty predokhranitel'nye, sdvoennye, kontsevye (MH 5029-63). Moskva, Izd-vo standartov, 1964. 10 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Universal marking end pieces for wires with a section from 1.5 to 6 mm^2] Okontsevateli markirovochnye dlia provodov secheniem ot 1 do 6 mm^2 (MN 2173-61—MN 2175-61). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Visual indicators of the supply o [illegible] sign and [illegible] nye tseni [illegible] struktsii [illegible] 5076-63) [illegible] (SSSR. [illegible]

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Welded steel vessels and devices, units and parts, semispherical bottoms] Sosudy i apparaty stal'nye svarnye, uzly i detali, dnishcha polusharovye (MN 4704-63). Moskva, Izd-vo standartov, 1964. 103 p. (SSSR. Normal' mashinostroeniia)

RUSSIA (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr [OGKh-6A heating unit; geological prospecting equipment and devices] Otopitel'naia ustanovka OGKh-6A, geologorazvedochnoe oborudovanie i pribory. [n.p.] Gosgeoltekhizdat, 1962. 3 p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Ministerstvo sviazi. [Short telephone directory] Kratkii telefonnyi spravochnik. [Moskva] Izd. Mosk gor. telefonnoi seti, 1964. 385 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo transportnogo stroitel'stva Upravlenie kadrov i uchebnykh zavedenii. Uchebno-metodicheskii kabinet. [Conspectus on the subject "Equipment for hydromechanization in the manufacture of machinery for electric and diesel hydraulic suction dredges in the technical schools of the Ministry of Transportation Construction"] Konspekt po predmetu "Oborudovanie gidromekhanizatsii dlia podgotovki mashinistov elektricheskikh i dizel'nykh zemlesosnykh snariadov v tekhnicheskikh shkolakh Mintransstroia." [Vel'sk] Orgtransstroi, 1958. 95 p.
[MICROFILM]

RZHEVSKII, V.V., V V. ISTOMIN, and V. S. IAMSHCHIKOV. [Technology and the overall mechanization of the open pit mining of coal, ore, and rock products] Tekhnologiia i kompleksnaia mekhanizatsiia otkrytoi dobychi uglia, rud i nerudnykh iskopaemykh. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki.
No. 6 [Dumping operations in open pit mines] Otval'nye raboty na karierakh.
Pt. 1. [Technological processes] Tekhnologicheskie protsessy. 1963. 151 p.
[MICROFILM]

[SAFETY MANUAL FOR THE WORKERS OF WOODWORKING INDUSTRIES] Spravochnik po tekhnike bezopasnosti dlia rabotnikov derevoobrabatyvaiushchikh predpriiatii Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 299 p.

SAMARIN, A. M., ed. [Steelmaking, a handbook] Staleplavil'noe proizvodstvo, spravochnik. Moskva, Metallurgiia.
Vols. 1-2. 1964. 2 v.

SAMOILOV, G P [Maintenance of a television set] Ukhod za televizorom. 2. izd Pod obshchei red. A. M. Kanaevoi. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 508)

SAMSONOV, G. V. [High melting compounds of rare-earth metals with nonmetals] Tugoplavkie soedineniia redkozemel'nykh metallov s nemetallami. Moskva, Izd-vo "Metallurgiia," 1964. 242 p.

SATAROV, S. N., and V. A. GAIDAR. [New developments in the construction of elevators and granaries] Novoe v stroitel'stve elevatorov i zernoskladov. Alma-Ata, Kazgosizdat, 1964. 150 p.

SERGIENKO, P. S. [Fourth cascade production line; "big chemistry" has come to Omsk] Chetvertyi kaskad; v Omsk prishla bol'shaia khimiia. [Omsk] Omskoe knizhnoe izd-vo, 1963. 94 p.

SERGIENKO, S. R. [High-molecular petroleum compounds] Vysokomolekuliarnye soedineniia nefti. 2. perer. i dop. izd. Moskva, Khimiia, 1964. 540 p.

SHAFARENKO, M. S. [Mechanical processing of wood; handbook for the foreman of woodworking shops] Mekhanicheskaia obrabotka drevesiny; posobie masteru derevoobrabatyvaiushchego tsekha. Moskva, Izd-vo "Lesnaia promyshlennost', 1964. 107 p.

SHCHERBATENKO, V. V., N. I. GOGOBERIDZE, and G. S ZEL'MAN. [Preservation of bread freshness] Sokhranenie svezhesti khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 59 p.
[MICROFILM]

SHIFRIN, A. SH., and L. M. REZNITSKII. [Cutting corrosion- and heat-resistant steels and alloys and titanium alloys] Obrabotka rezaniem korrozionnostoikikh, zharoprochnykh i titanovykh stalei i splavov. Pod red. L. M. Reznitskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 446 p.

SHISHKIN, O. P., and Z. N. KRIKUN. [Remote control in the Groznyy oil fields] Telemekhanika na neftianykh promyslakh Groznogo. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 83 p.

SHMYREV, V. I. [Motion-picture film and motion-picture projection equipment] Kinofil'm i kinoproektsionnaia apparatura. Izd. 4., perer. i dop. Pod red. S. M. Provornova. Moskva, Izd-vo "Iskusstvo," 1964. 535 p.

SHTOM, V. V. [Equipment for the production of lightweight fillers] Oborudovanie dlia proizvodstva legkikh zapolnitelei. Moskva, Izd-vo "Mashinostroenie," 1964. 246 p.

SHUMIKHIN, IU. A. [Automatic television systems] Televizionnye avtomaty. Moskva, Energiia, 1964. 49 p. (Massovaia radiobiblioteka, no. 537)

SILKIN, F. A. [Impact cyclical strength of steels used in the manufacture of agricultural machinery] Udarno-tsiklicheskaia prochnost' stalei primeniaemykh v sel'skokhoziaistvennom mashinostroenii. Pod red. A. F. Zasova. Moskva, Izd-vo "Mashinostroenie," 1964. 89 p.

SINITSYN, B. S. [Automatic correlators and their applications] Avtomaticheskie korrelliatory i ikh primenenie. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 215 p.

SKOBLOV, G. M. [Directing construction and the organization of work in supplying gas to cities] Upravlenie stroitel'stvom i organizatsiia rabot po gazifikatsii gorodov. Moskva, Stroiizdat, 1964. 159 p.

SKVORTSOV, A. A., A. M. KOLESINA, and S. A. DANIL'IANTS. [Ways to improve the operational realibility of the insulation of the windings of electric traction motors] Puti povysheniia ekspluatatsionnoi nadezhnosti izoliatsii obmotok tiagovykh elektrodvigatelei. Moskva, Izd-vo "Transport," 1964. 28 p. (Dostizheniia nauki i tekhniki – v proizvodstvo)

SLASTIKHIN, V. V. [Problems in the melioration of slopes in Moldavia] Voprosy melioratsii sklonov Moldavii. Kishinev, "Kartia moldoveniaske," 1964. 211 p.

SMIRNOV, A. D., ed. [Electricians manual in two volumes] Spravochnik elektrotekhnika v dvukh tomakh. Moskva, Izd-vo "Energiia."

Vol. 2. No. 5. [Start regulating apparatus] Puskoreguliruiushchaia apparatura. 1964. 199 p.

SMIRNOV-ALIAEV, G. A. [Fundamentals of the calculation of forces in the technology of forging and stamping] Osnovy rascheta usilii v tekhnologii kovki i shtampovki. Izd. 2., perer. i dop. Pod red. P. V. Kamneva. Moskva, Izd-vo "Mashinostroenie," 1964. 91 p. (Bibliotechka kuznetsa-novatora, no. 2)

SMUSHKEVICH, G. K., and S. S. SHEFER. [RAF-977 "Latviia" minibus, its design and maintenance] Mikroavtobus RAF-977 "Latviia," ustroistvo i obsluzhivanie. Moskva, Transport, 1964. 125 p.

SOKOLOV, S. D., V. N. RUDNEV, and I. G. MOCHENOV. [Inverter units of traction substations; characteristics of their operation and adjustment] Invertornye agregaty tiagovykh podstantsii; osobennosti raboty i naladki. Moskva, Transport, 1964. 45 p. (Dostizheniia nauki i tekhniki – v proizvodstvo)

SOVESHCHANIE SPETSIALISTOV KOZHEVENNOI PROMYSHLENNOSTI PO OBMENU OPYTOM PROIZVODSTVA KOZHI DLIA VERKHA OBUVI IZ SVINOGO SYR'IA I OVCHINY. Moscow, 1962. [*Recommendations of the Conference of Leather Industry Specialists on Exchange of Experience in the Manufacture of Shoe Upper Leather from Pigskins and Dewooled Sheepskins*] Rekomendatsii. Moskva, TSentr. nauchno-issl. in-t kozhevenno-obuvnoi promyshl., 1962. 6 p.
[MICROFILM]

SPIVAKOVSKII, A. O., and others, comps. [Method of calculating resonance, vibration conveyers and vibration grizzlies with buffers taking into account acting resistances; short scientific report] Metod rascheta rezonansnykh vibrokonveierov i vibrogrokhotov s buferami s uchetom deistvuiushchikh soprotivlenii; kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 38 p.

[MICROFILM]

STEBLEV, N. M., and V. A. BYTSKO. [Motor vehicles; manual for motor-vehicle drivers working in lumbering] Avtomobil', posobie dlia shoferov, rabotaiushchikh v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 463 p.

STEPIN, P. A. [Strength of materials] Soprotivlenie materialov. Izd. 2. Moskva, Vysshaia shkola, 1964. 397 p.

SVERDLOVSK. URAL'SKII POLITEKHNICHESKII INSTITUT. [Textbook for a course in "Theoretical principles of electrical engineering"] Zadachnik po kursu "Teoreticheskie osnovy elektrotekhniki." Sverdlovsk.

No. 1. [Vector algebra and principles of vector analysis, manual for independent study of the course] Vektornaia algebra i osnovy vektornogo analiza; posobie dlia samostoiatel'nogo izucheniia kursa. 1961. 31 p.
[MICROFILM]

SYROV, I. V. [Planetary reducing gears] Planetarni reduktory. Kyiv, Tekhnika, 1964. 170 p.

TARAN, V. D. [Constructing main pipelines] Sooruzhenie magistral'nykh truboprovodov. Moskva, Nedra, 1964. 544 p.

TARKHANOV, B. I. [Epoxy resins and compounds and their practical applications in electrical wiring operations] Epoksidnye smoly i kompaundy i ikh primenenie v praktike elektromontazhnykh rabot. Moskva, Stroiizdat, 1964. 80 p.

[TECHNOLOGICAL PROGRESS IN TEXTILE ENTERPRISES] Tekhnicheskii progress na tekstil'nykh predpriiatiiakh. [Moskva] Mosk. rabochii, 1964. 137 p.

TEL'NOV, N. F. [Repair of oil pumps and filters of tractor and combine engines] Remont maslianykh nasosov, i fil'trov traktornykh i kombainovykh dvigatelei. Moskva, Izd-vo "Kolos," 1964. 132 p. (Bibliotechka rabochego-remontnika)

TEPLITSKII, B. M. [Dividing heads and their use] Delitel'nye golovki i rabota na nikh. Moskva, Mashinostroenie, 1964. 215 p.

TEPLOV, N. L. [Interference rejection of discrete information transmitting systems] Pomekhoustoichivost' sistem peredachi diskretnoi informatsii. Moskva, Izd-vo "Sviaz'," 1964. 358 p.

TERESHCHENKO, K. K. [Automatic program control networks of mechanisms with reversing drives] Skhemy programmnogo avtomaticheskogo upravleniia mekhanizmami s reversivnym privodom. Moskva, Izd-vo "Energiia," 1964. 119 p.

TETEL'BAUM, IA. I. [Semiconductor rectifiers] Napivprovidnykovi vyprіamliachі. Kyiv, Tekhnika, 1964. 257 p. (Biblioteka z napivprovidnykovoi elektroniky)

TIPEI, N., and others. [Sliding bearings, their design and lubrication] Podshipniki skol'zheniia, raschet, proektirovanie, smazka. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1964. 457 p.

TOZONI, O. V. [Mathematical models for the calculation of electrical and magnetic fields] Matematicheskie modeli dlia rascheta elektricheskikh i magnitnykh polei. Kiev, Naukova dumka, 1964. *301 p.*

TRET'IAKOV, A. K. [Concrete work] Betonnye raboty. Moskva, Vysshaia shkola, 1964. 254 p.

TRISHEVSKII, I. S., V. V. KLEPANDA, and N. V. LITOVCHENKO. [Adjustment of continuous rolling mills] Nastroika nepreryvnykh prokatnykh stanov. [Moskva] Izd-vo "Metallurgiia," 1964. 366 p.

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA LEGKOI PROMYSHLENNOSTI. [Simplified spinning systems, new principles for the production of yarn and the equipment used; index of Soviet and foreign literature received by the Library from November 1957 to June 1962] Sokrashchennye sistemy priadeniia, novye printsipy polucheniia priazhi i primeniaemoe oborudovanie; spisok otechestvennoi i inostrannoi literatury, postupivshei v biblioteku s noiabria 1957 g. po iiun' 1962 g. Moskva, 1962. 52 p.
[MICROFILM]

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA LEGKOI PROMYSHLENNOSTI. [Use of materials made from plastics and synthetic resins in the shoe industry; index of Soviet and foreign literature received by the Central Scientific and Technical Library of Light Industry from 1956 to 1962] Primenenie materialov iz plasticheskikh mass i sinteticheskikh smol v obuvnoi promyshlennosti, spisok otechestvennoi i inostrannoi literatury, postupivshei v biblioteku s 1956 po iiun' 1962 g. Moskva, 1962. 112 p. (V pomoshch' inzhenerno-tekhnicheskim i nauchnym rabotnikam)
[MICROFILM]

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA PISHCHEVOI PROMYSHLENNOSTI. [Aerosol containers for the packaging of food products and cosmetics and perfumery articles; annotated bibliographic index of Soviet and foreign literature] Aerozol'naia upakovka pishchevykh produktov i parfiumerno-kosmeticheskikh izdelii; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1960-1962 gg. Moskva, 1963. 33 p.
[MICROFILM]

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA PISHCHEVOI PROMYSHLENNOSTI. [Modern methods for the drying of food products; annotated bibliographic index of Soviet and foreign literature for the period from 1958 to 1962] Sovremennye sposoby sushki pishchevykh produktov; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1958-1962 gg. Moskva, 1962. 63 p.
[MICROFILM]

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA PISHCHEVOI PROMYSHLENNOSTI. [Pneumatic and aerosol transportation in the food industry; annotated bibliographic index of Soviet and foreign literature for the period from 1958 to 1962] Pnevmaticheskii i aerozol'nyi transport v pishchevoi promyshlennosti; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1958-1962 gg. Moskva, 1963. 23 p.

[MICROFILM]

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA TSVETNOI METALLURGII. [Using radioactive isotopes in ore dressing; book, periodical, and patent literature in Russian and foreign languages for 1955-1961. Bibliographic list no. 708/61] Primenenie radioaktivnykh izotopov v obogashchenii; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykakh za 1955-1961 gg. Bibliograficheskii spisok No. 708/61. Moskva, 1961. 30 p. (Obogashchenie)

[MICROFILM]

TSIPORIN, IU. A. [Mechanisms of technological equipment, machine tool attachments] Mekhanizmy tekhnologicheskoi osnastki; stanochnye prisposobleniia. Moskva, Izd-vo "Mashinostroenie," 1964. 339 p.

TURGUNOV, D. T., and others. [Specialization of diesel locomotive depots; from the experience of the Central Asian Railroad] Spetsializatsiia teplovoznykh depo; iz opyta Sredneaziatskoi dorogi. Moskva, Izd-vo "Transport," 1964. 49 p.

TURPIT'KO, A. F. [Lettering for inscriptions on machinery, engineering, construction and topographical drawings] Shrifty dlia nadpisei na mashinostroitel'nykh, inzhenerno-stroitel'nykh i topograficheskikh chertezhakh. Izd. 3., dop. i perer. [Shcherbinka] Rosvuzizdat, 1963. 81 p.

TUTORSKII, I. P., M. F. STRAMOUS, and S. E. ROYKAKH. [Machinery repairing enterprises of construction organizations] Remontno-mekhanicheskie predpriiatiia stroitel'nykh organizatsii. Moskva, Stroiizdat, 1964. 205 p.

UFA. NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Handbook on the use of FR-12 resorcinol-formaldehyde resin for exclusion work in oil and injection wells] Rukovodstvo po primeneniiu rezortsino-formal'degidnoi smoly FR-12 dlia izoliatsionnykh rabot v neftianykh i nagnetatel'nykh skvazhinakh. Sost. V. A. Blazhevich, E. N. Umrikhina. Ufa, 1963. 24 p.

UL'MASOV, N. [Nomograms for the hydraulic design of sewerage networks] Nomogrammy dlia gidravlicheskogo rascheta kanalizatsionnykh setei. Moskva, VTs AN SSSR, 1964. 30 p. nomogrs. (In folder)

URAL'SKII NAUCHNO ISSLEDOVATEL'SKII INSTITUT MEKHANICHESKOI OBRABOTKI POLEZNYKH ISKOPAEMYKH. [Ore dressing practices for nonferrous, rare, and noble metals] Praktika obogashcheniia rud tsvetnykh, redkikh i blagorodnykh metallov na fabrikakh SSSR. Moskva, Izd-vo "Nedra," 1964. 230 p.

VAINBERG, D. V., and D. V. CHUDNOVSKII. [Design of three dimensional frames] Raschet prostranstvennykh ram. Kiev, Gosstroiizdat USSR, 1964. 307 p.

VAPIKOF, IA. F., and A. K. KVITOKO. [Vibratory equipment used in auxiliary transportation operations] Vibratsionnaia tekhnika na vspomogatel'nykh transportnykh operatsiiakh. Moskva, "Mashinostroenie," 1964. 162 p.

VAKSIN, D. B. [Means for increasing the efficiency of abrasive tools in grinding] Puti povysheniia proizvoditel'nosti abrazivnogo instrumenta pri shlifovanii. Moskva, Mashinostroenie, 1964. 131 p.

VANIUSHIN, A. F. [Scutchers] Trepal'nye mashiny. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1964. 66 p. (Biblioteka molodogo priadil'shchika)

VASIL'EV, N. V. [Sealed pipe laying for pipelines] Zakrytaia prokladka truboprovodov. Moskva, Nedra, 1964. 213 p.

VASIL'EV, V. A. [Handbook on safety measures for workers engaged in the assembly of pipes and tubular equipment in operating metallurgical plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po montazhu truboprovodov i tekhnologicheskogo oborudovaniia v deistvuiushchikh tsekhakh metallurgicheskoi promyshlennosti. Moskva, Stroiizdat, 1964. 32 p. (Tekhnika bezopasnosti v stroitel'stve)

VASH, IU. P., A. P. NIKIFOROV, and P. V. CHERNOLOBOV. [New method of testing molding materials] Novyi metod kontrolia formovochnykh materialov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 65 p.

VEILER, S. IA., and V. I. LIKHTMAN. [Effect of lubricants during metalworking] Deistvie smazok pri obrabotke metallov davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1960. 231 p.
[illegible]

VEVIOK, A. I. [Founding calculations] Raschet otlivki. Moskva, Izd-vo "Mashinostroenie," 1964. 403 p.

VEKSLER, M. S. [Electrostatic devices] Elektrostaticheskie pribory. Moskva, Energiia, 1964. 94 p. (Elektroizmeritel'nye pribory, no. 7)

VERKHOKHATNYI, G. F., and A. F. RAKOV. [Second life of a machine tool] Vtoraia zhizn' mashiny. [Rostov na Donu] Rostovskoe knizhnoe izd-vo, 1961. 64 p.
[MICROFILM]

VENIKOV, V. A. [Transient electromechanical processes in electrical systems] Perekhodnye elektromekhanicheskie protsessy v elektricheskikh sistemakh. Moskva, Izd-vo "Energiia," 1964. 377 p.

VERVIKTIY, I. R., and V. M. SIZOV. [The "Donbass 2k" coal cutter loader] Ugol'nyi kombain "Donbass-2k." [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 28 p. (Novye gornye mashiny)

VESHNIAKOVA, M. S. [Lectures for the second part of a course in "Theoretical principles of radio engineering". LC generators of sinusoidal oscillations with positive feedback] Lektsii po vtoroi chasti kursa "Teoreticheskie osnovy radiotekhniki": LC-generatory sinusoidal'nykh kolebanii s polozhitel'noi obratnoi sviaz'iu. Moskva, Vses. zaochnyi energeticheskii in-t, 1962. 64 p.
[MICROFILM]

VITTENBURG, P. V. [Practical handbook for geological engineers] Prakticheskoe rukovodstvo dlia tekhnikov-geologov. Izd. 2., perer. i dop. Leningrad, Nedra, 1964. 486 p.

VODIANIK, P. F. [Automatic control of a gas field] Avtomaticheskoe upravlenie gazovym promyslom. Moskva, Nedra, 1964. 223 p.

VODOLAZHCHENKO, IU. T., and others. [Dismantling and assembling the DT-20 tractor] Razborka i sborka traktora DT-20. Moskva, "Kolos," 1964. 174 p.

VOLINA, T. L., IU. P. NIUKSHA, and A. D. SHAPIRO. [Protection of paperboard against biological disintegration] Zashchita kartona ot biologicheskogo razrusheniia. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 57 p. (Bumaga i tselliuloza)
[MICROFILM]

VOLPIANSKII, L. M. [Casting in permanent molds] Lit'e v metallicheskie formy. Izd. 3., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 53 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

VOLZHENSKII, A. V., G. S. KOGAN, and IU. S. TSUKANOV. [Gypsum-cement-puzzuolanic binding materials and concretes on their base] Gipsotsementnoputtstsolanovye viazhushchie veshchestva i betony na ikh osnove. Riazan', Riazanskaia kompleksnaia nauchno-issl. stantsiia-laboratoriia po sel'skomu stroitel'stvu NIISZ AS i SSSR, 1961. 48 p.
[MICROFILM]

VOROB'EV, E. V., and L. A. NEVSKII. [Rapid-stroke drilling hammers used in the enterprises of Kazakhstan] Bystroudarnye buril'nye molotki na predpriiatiiakh Kazakhstana. Alma-Ata, TSentr. in-t nauchno-tekhn. informatsii, 1960. 17 p. (Vystavka dostizhenii narodnogo khoziaistva 1960)
[MICROFILM]

VOROB'EV, V. G. [Tables for determining the height of inaccessible structures] Tablitsy dlia opredeleniia vysot nedostupnykh sooruzhenii. Pod red. IU. A. Bad-Zade. Baku, M-vo vodnogo khoz. Azerbaidzhanskoi SSR, 1960. 63 p.
[MICROFILM]

VOZNESENSKII, A. A. [Heating equipment in the production of building materials and wares] Teplovye ustanovki v proizvodstve stroitel'nykh materialov i izdelii. Izd. 2., perer. Moskva, Stroiizdat, 1964. 430 p.

VSESOIUZNOE SOVESHCHANIE KHIMIKO-ANALITIKOV REZINOVOI PROMYSHLENNOSTI. 1st, Moscow, 1958. [Methods for the analysis of raw products and materials used in the rubber industry; reports] Metody analiza syr'ia i materialov, primeniaemykh v rezinovoi promyshlennosti; doklady. Moskva, TSentr. biuro tekhn. informatsii, 1959. 100 p.
[MICROFILM]

VSESOIUZNOE SOVESHCHANIE PO ELEKTRICHESKIM KONTAKTAM I KONTAKTNYM MATERIALAM. 3d, Moscow, 1962. [Electric contactors, transactions] Elektricheskie kontakty; trudy. Red. kollegiia: B. S. Sotskov i dr. Moskva, Energiia, 1964. 502 p.

VSESOIUZNOE SOVESHCHANIE PO SPLAVAM REDKIKH METALLOV. 1963. [Theory of rare-earth metals and their applications; materials] Voprosy teorii i primeneniia redkozemel'nykh metallov, [materialy]. Moskva, Nauka, 1964. 270 p.

VSESOIUZNYI NAUCHNO ISSLEDOVATEL'SKII INSTITUT OKHRANY TRUDA. [Improvement of safety measures and hygienic conditions for work on the roving machines in flax spinning industries] Uluchshenie tekhniki bezopasnosti i sanitarno-gigienicheskikh uslovii truda na rovnichnykh mashinakh l'nopriadil'nogo proizvodstva. Ivanovo, 1963. 21 p. (V pomoshch' inzhenerno-tekhnicheskomu personalu i profsoiuznomu aktivu po okhrane truda na tekstil'nykh predpriiatiiakh)
[MICROFILM]

VSESOIUZNYI ZAOCHNYI INSTITUT TEKSTIL'NOI I LEGKOI PROMYSHLENNOSTI. Kafedra shveinogo proizvodstva. [Size standardization of clothing in mass production; textbook for specialization in the "Technology of clothing manufacture"] Razmernaia standartizatsiia odezhdy massovogo proizvodstva; uchebnoe posobie dlia spetsial'nosti "Tekhnologiia shveinogo proizvodstva." Moskva, 1962. 23 p.
[MICROFILM]

VYDRIN, V. N., L. L. SITNIKOV, and P. V. KORNILOV. [Strength of rolling-mill rolls] Stoikost' prokatnykh valkov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1964. 70 p.

[WOODEN, PAPER, AND CARDBOARD CONTAINERS AND AUXILIARY PACKAGING MATERIALS] Tara derevianaia, bumazhnaia i kartonnaia i vspomogatel'nye materialy. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 439 p. (SSSR. Gosudarstvennye standarty)

WORLD POWER CONFERENCE. 5th, Vienna, 1956. Soviet Delegation. [Prospects of the development of atomic power engineering in the U.S.S.R.; report by the delegation of the Soviet Union to the Fifth World Power Conference] Perspektivy razvitiia atomnoi energetiki v SSSR; soobshchenie Delegatsii Sovetskogo Soiuza Piatoi mirovoi energeticheskoi konferentsii. [n.p.] 1956. 23 p. [In Russian and German].

ZABAVIN, V. I. [Bituminous and brown coal; chemical composition and structure, properties, genesis] Kamennye i burye ugli; khimicheskii sostav i struktura, svoistva, genezis. Moskva, Nauka, 1964. 197 p.

ZALMANZON, L. A. [Fluid jet control] Pnevmonika; struinaia pnevmoavtomatika. Moskva, Nauka, 1964. 61 p. (Nauchno-populiarnaia seriia)

ZAPOROZHETS, L. N. [Comprehensive mechanization of work; block construction of residential areas] Kompleksnaia mekhanizatsiia rabot; kvartal'naia zastroika zhilykh massivov. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 38 p.
[MICROFILM]

ZELIKMAN, G. A., and others. [Silicon transistor diodes and triodes; manufacture techniques] Poluprovodnikovye kremnievye diody i triody, tekhnologiia proizvodstva. Moskva, Izd-vo "Energiia," 1964. 183 p.

ZEMSKOV, P. L., E. N. IAKUSHINA, and L. N. KHARCHENKO. [Materials and coatings for the piston rings of motor-vehicle and tractor engines] Materialy i pokrytiia porshnevykh kolets avtotraktornykh dvigatelei. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 120 p.

ZGUT, M. A. [Visual aids in radio engineering] Nagliadnye posobiia po radiotekhnike. Izd. 2., perer. i dop. Moskva, Izd-vo "Sviaz'," 1964. 310 p.

ZHIVOV, M. S. [How to organize electric equipment installation operations] Kak organizovat' elektromontazhnye raboty. Moskva, Izd-vo "Energiia," 1964. 70 p. (Biblioteka elektromontera, no. 129)

ZHUKOVA, N. G., V. I. MAMCHINSKII, and K. A. PONOMAREV. [Prospectors for minerals—prospectors of the future; a story of the Nikolaevskaia geological prospecting crew] Razvedchiki nedr - razvedchiki budushchego; rasskaz o Nikolaevskoi geologorazvedochnoi partii. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 30 p.
[MICROFILM]

ZIMA, I. M., and T. T. MALIUGIN.
tion in f
rabot.
naia pr

AL'SHITS, I. M. [Polyester glass-reinforced plastics for shipbuilding] Poliefirnye stekloplastiki dlia sudostroeniia. Leningrad, Izd-vo "Sudostroenie," 1964. 286 p.

ANTONOV, S. I., and IU. L. ITSKOVICH. [Diesel-electric motorships] Dizel'-elektrokhody. Moskva, Transport, 1964. 307 p.

AVERBUKH, V. L., and S. P. PETROV. [Protection of the population from chemical weapons] Zashchita naseleniia ot khimicheskogo oruzhiia. Moskva, Izd-vo "DOSAAF," 1964. 46 p. (Naseleniiu o grazhdanskoi oborone) [illegible], [illegible] G. [illegible] and sea transportation [illegible] notes for the development of [illegible] program for the expansion of the U S S R [illegible] Morskoe sudokhodstvo i morskoi [illegible] kikh stran, zametki k razrabotke [illegible] plana razvitiia morskogo flota [illegible] Moskva, Izd-vo "Transport," 1964. 49 p

[illegible]IAN, [illegible] [Experimental investigation of the [illegible]] Eksperimental'noe issledovanie [illegible] Leningrad, Sudostroenie, [illegible] 122 p.

[illegible], N. V., and A. G. GROMYKO [Repair of [illegible] engines] Remont sudovykh dizelei [illegible] Kaliningradskoe knizhnoe izd-vo, 1963 [illegible]

[illegible], V. M. [Marine steam boilers] Sudovye parovye kotly. Izd. 2., dop. i perer. Leningrad, Sudostroenie, 1964. 383 p.

[illegible]V, I. A. [Marine gas turbines] Sudovye gazo[illegible]. Moskva, Transport, 1964. 223 p.

DARMANIAN, P. F. [Division Commander Kikvidze] Nachdiv Kikvidze. [2., ispr. izd.] [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 172 p.

DOROGOSTAISKII, D. V., M. M. ZHUCHENKO, and N. IA. MAL'TSEV. [Theory and equipment of ships] Teoriia i ustroistvo sudna. Pod obshchei red. D. V. Dorogostaiskogo. Leningrad, Sudostroenie, 1964. 508 p.

GAVRILIN, V. M. [Army champions] Armeiskie chempiony. Moskva, Voenizdat, 1964. 125 p. (SSSR; Master sporta)

GRECHKO, A. A., ed. [The nuclear age and war; military reviews] IAdernyi vek i voina; voennye obozreniia. Moskva, Izvestiia, 1964. 158 p. (Biblioteka "Izvestii")

GUROVICH, A. N. [Ship equipment and the internal outfitting of ships] Sudovye ustroistva i vnutrennee oborudovanie sudov. Leningrad, Sudostroenie, 1964. 297 p.

KARPOVICH, V. A. [Diesel engine plants with controllable pitch propellers] Dizel'nye ustanovki s vintami reguliruemogo shaga. Leningrad, "Sudostroenie," 1964. 203 p.

KICHKIN, I. I. [Transducers in marine remote control systems] Datchiki sudovykh sistem distantsionnogo kontrolia. Pod red. G. P. Katysa. Moskva, Izd-vo "Transport," 1964. 209 p.

KILESSO, A. I. [Modern machine shop ships] Sovremennye suda-masterskie. Leningrad, "Sudostroenie," 1964. 249 p.

KURDENKOV, K. N., and others. [We are building ships ourselves] Suda stroim sami. Leningrad, Sudostroenie, 1964. 114 p.

MEZIN, E. K. [Electrical machinery on ships] Sudovye elektricheskie mashiny. Moskva, Izd-vo "Transport," 1964. 382 p.

NAZAROV, A. F. Nikolai Markin. Moskva, Voenizdat, 1964. 106 p. (Sovetskie polkovodtsy i voenachal'niki)

OVSIANNIKOV, K. A. [Parachute jumps from military transport planes] Pryzhki s parashiutom iz voenno-transportnykh samoletov. Moskva, Voenizdat, 1964. 253 p.

RUSSIA (1917- R. S. F. S. R.) Ministerstvo rechnogo flota. [Safety regulations and industrial sanitation on ships of the river fleet, power plants and machinery] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na sudakh rechnogo flota, silovye ustanovki i mekhanizmy. Moskva, Izd-vo "Rechnoi transport," 1962. 90 p.

[MICROFILM]

SAVIN, V. I., N. P. MOROZOV, and D. V. MOZZHERIN. [Optimum use of transportation technology in ports and river terminals, manual for groups on the raising of qualifications of engineers and technicians in the Ministry of the River Fleet of the Russian Soviet Federated Socialist Republic] Optimal'noe ispol'zovanie peregruzochnoi tekhniki v portakh i pristaniakh neftebazakh; uchebnoe posobie dlia grupp povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov Ministerstva rechnogo flota RSFSR. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transp., 1963. 33 p.

VOITKUNSKII, IA. I. [Resistance of water to the movement of ships] Soprotivlenie vody dvizheniiu sudov. Leningrad, Sudostroenie, 1964. 411 p.

ZUBKIN, A. S., and A. F. MEL'KOV. [Antichemical protection of the population] Protivokhimicheskaia zashchita naseleniia. Moskva, DOSAAF, 1958. 1 v. (chiefly illus.)

[PHOTOCOPY]

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation For publishers of such translated periodicals, their subscription prices, etc, see listing at end of this issue

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Social Sciences]. Erivan, no. 2, Feb. 1964.

Table of contents translated:

Bagdagiulian, V.O. - Program of the CPSU and the increasing of the productivity of agricultural labor. p.3.
Baziiants, A.P. - From the history of the Lazarev Institute. p.13.
Morsobian, P.M. - Semantic research on the adjectives "strange" and "foreign" and their synonyms. p.37.
Babloian, M.A. - Prose in the "Ani" journal. p.21.
Sarkisian, Kh.S. - About two editions of "Arutiun and Manvel." p.47.
Parsamian, V.A. - Materials on "Jarmo," a group of Caucasian students in Zürich. p.57.
Mkrtchian, Lusik. - Participation of Armenian women in the building of old Armenian architectural structures. p.70.
Esaian, S.A. - Bronze bracelets in the Armenian State Museum. p.83.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Soobshcheniia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports]. Tiflis, vol. 33, no. 3, Mar. 1964.

Table of contents translated

Sulkhanishvili, G.I. - Numerical solution of parabolic equations. p.513.
Mangeron, D. - Optimal functional equations of dynamic programming related to the new class of boundary value problems with "total derivatives." p.521.
Chantladze, T.L. - Stochastic differential equations in Hilbert space. p.529.
Osipov, V.Z. - Laminar unsteady flow of a viscous liquid in a porous circular annular tube. p.535.
Mirianashvili, M.M., Gobedzhishvili, M.S. - Solution of equations of the gravitational field by the "falling box" method. p.543.
Tumanishvili, G.D., Mandzhgaladze, V.P., Dzhanelidze, Kh.N. - Effect of ionizing radiation on the stimulating properties of tissue extracts. p.549.
Andrianov, K.A., and others. - Poly-bis-(8-hydroxyquinoline)-titanomethylphenylsiloxanes. p.557.
Machavariani, Sh.S. - Content of oxygen and organic acids of blood in the terminal state caused by bilateral pneumothorax and in the following restoration of life functions of the organism. p.565.
Lomkatsi, T.S. - Transformation of $2C^{14}$-acetic acid by yeasts in alcoholic fermentation. p.573.
Agladze, R.I., Lezhava, T.I. - Electrolysis of solutions containing iron and manganese sulfates. p.579.
Chechelashvili, I.D. - Authigenic feldspars in carbonate flysch of the Upper Racha. p.585.
Kanchaveli, A.L. - New materials on "lower tuffites" in the Shrosha-Narula belt. p.591.
Meladze, G.K. - Paleobiological study of Sivatheriinae. p.597.
Gabrichidze, G.K. - Calculation of spherical shells fixed at the pole. p.601.
Meladze, F.G. - Effect of the properties of fine-grained concrete on the strength of reinforced concrete. p.605.
Lobzhanidze, G.I., Es'man, B.I., Kiriia, T.A. - Effect of drill pipe joints on the redistribution of pressure in the annular space. p.613.
Tavadze, F.N., Lanchava, M.D. - Effect of overheating and inoculation on the properties of gray cast iron. p.621.
Gabisiani, A.G., and others. - Changes in oxygen content during the smelting and pouring of open-hearth steel. p.627.
Kemkhadze, T.V. - Corrosion-resistance of steel-10 in sea water. p.635.
Murvanishvili, I K. - New representatives of the mycoflora of Georgia. p.643
Trapaidze, D.L. - Use of the reaction of complement fixation for studying the antigenic structure of the principal representatives of microbes of the group Salmonella. p.651.
Lobzhanidze, E.D., Gotsiridze, L.A. - Interrelationship between the moisture and heartwood formation in Pinus hamata Sosn. as influenced by climatic factors. p.655.
Zhizhilashvili, T.I. - Study of species of the myrmecofauna (Formicidae) in the steppe zone of eastern Georgia. p.663
Dzhanashvili, A.G., Tartarashvili, O.Sh. - Materials for studying the distribution of some chiroptera in Zakataly District. p.667.
Kurashvili, B.E., Kakuliia, G.A., Chanishvili, Sh.Sh. - Study of the alimentary interrelationship between nematodes living under the elytra of the European spruce bark beetle and the bark beetle as a host. p 671.
Mtvaradze, V.A - Some characteristics of the process of ossification of bones of the hand and the distal section of the forearm. p.679.
Natriashvili, D.S. - Study of the characteristics of morphologic and functional changes in the retained testicle p.687.
Andguladze, I.V. - Closing of conditioned stimuli of various sides to the unconditioned stimulus of one side. p.695.
Korchilava, K.R. - Clinical and electrocardiographic studies and some biochemical data in hyperimmunization of horses by tetanic and diphtherial antigens. p.701.
Kuparadze, G.N - Effect of the ligature of both pelvic arteries on the wall structure of urinary bladder and rectum. p.707.
Golovani, M.A - State of the cardiovascular system in children with acute glomerulonephritis. p.715.
Zurabashvili, Z A. - Characteristics of striction and surface tension of the blood plasma in schizophrenia. p.723.
Iluridze-Sturua, M.A. - Duration of systole phases in normal children of various ages p.729.
TSereteli, P.V. - Study of histopathomorphology of goiter. p.737.
Berdzhenishvili, D.K. - Unknown inscription of the Emir of Dmanisi from the TSinezauri ravine. p.745.
Contents of Vol. 33. p.753.
Author index. p.763.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Social Sciences]. Alma-Ata, no. 6, 1964.

Table of contents translated:

Shnaidman, L. - Theoretical foundation and methods for consolidating the business accounting in individual mines. p.3.
Dairova, A. - Il'ias Zhansugurov's poem "Kiui." p.10.
Kuznetsov, V.S. - British and Russian commerce with Sinkiang during the first half of the 19th century. p.20.
Nokerbekov, M. - Evidence as a means of establishing the truth in criminal procedure. p.43.
Cherniak, V. - Investigating the state of religiousness of the population of Alma-Ata Province. p.55.
Bekkhozhin, Kh. - The discussion on some problems of the Kazakh language in the newspaper "Dala ualaiaty," 1888 to 1902. p.64.
Alieva, M. - The Uigur fairy and fantastic tales. p.72.
Aidarov, G. - The language of the inscription on the monument of Kutlug-kagan of the eighth century. p.81.

AKADEMIIA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 34, no. 6, June 1964.

Table of contents translated:

Lavrent'ev, M.A. - Development of science in the East of the U.S.S.R. p.3.
Vekua, I N. - University at the Siberian Science Center. p.12.
Khristianovich, S.A., Zhukov, M.F. - Low-temperature plasma generators. p.21.
Novikov, I I, Strelkov, P.G. - Study of the physical properties of materials at high temperatures. p.28.
Budker, G.I. - Developing particle accelerators based on the use of intersecting beams. p.31.
Trofimuk, A.A. - Petroleum and natural gas of Siberia p.37.
Kuznetsov, V A. - Scientific problems in establishing ore bases in Siberia and the Far East. p.45.
Karandeev, K.B. - Automatic digital measuring instruments p 48.
Kuznetsov, F.A. - Microminiaturization of electronic apparatus and problems of chemistry. p.51.
Beliaev, D.K - Some problems of genetic control p 58
Kovalev, R.V, Il'in, V.B. - Agrochemical soil research in Western Siberia. p.61.
Aganbegian, A G. - Developing an optimal system of planning and managing the national economy. p.65.
Soskin, V.L. - History of Siberia p.69.
Okladnikov, A.P., Larichev, V.E. - Discoveries of Siberian archaeologists. p.71.
Emel'ianov, V.S. - On the forthcoming International Conference on Peaceful Uses of Atomic Energy. p.79.
Korzun, V.I. - Hydrological decade. p.83.
Kiselev, F.A - International relations of Siberian scientists. p.87.
TSeitlin, R.M., Selimkhanov, I.R. - Contacts of Soviet and Czechoslovak scientists. p.89
Mikhailov, A.A. - Jubilee session dedicated to the 400th anniversary of Galileo Galilei's birth. p.91.
Visits of foreign scientists to the U.S.S R. p.91.
Problems of topology; at the general meeting of the Department of Mathematics. p.93.
Kraft, O.E., Listengarten, M.A. - Recent research in nuclear spectroscopy; conference in Tiflis. p.94.
IAnshin, A.L. - Search, prospecting and study of potassium salts; seminar in Novosibirsk. p.97.
Shvarts, S.S. - Patterns of intraspecific variability, conference in Sverdlovsk. p.99.
Komarskikh, E.A. - Tools and methods of scientific studies; symposium at the Siberian Science Center. p.101.
Celebration in honor of Academician V.N. Shaposhnikov. p.103.
Awards to scientists. p.104.
In the Far Eastern Branch of the Siberian Department. p.105.
Work of the Sakhalin Joint Scientific Research Institute of the Siberian Department. p.106.
Appointments and transfers. p.106.
Lukin, B.V. - Fiftieth anniversary of the Russian scientific expedition to Latin America. p.107.
Anisimov, I.I. - A few words about Shakespeare. p.110.
The 400th anniversary of Galileo Galilei's birth. p.113.
Tarasova, A A. - In memory of A.M. Gor'kii. p.114.
Varshavskii, G.A. - "Gas dynamics of combustion" by K.I. Shchelkin, IA.K. Troshin. p.116.
Khachaturov, T.S. - "Selected works in five volumes" by S.G. Strumilin. Vols. 1-3. p.119.
Nekrasov, V.I. - "Soil erosion and its control in regions of the Minusinsk Basin" by N.V. Orlovskii and others. - p.121.
Leontovich, M.A. - Systems of measures; with regard to the introduction of the international unit system as a standard. p.123.

Vol. 34, no. 7, July 1964.

Table of contents translated:

Principal trends of research and the structure of the Academy of Sciences of the Tajik S.S.R. p.3.
Sidorenko, A.V. - Development of the mineral resources of the Soviet Union and the tasks of science. p.12.

Glushkov, V.M. - Theory of automatic systems and some of its applications. p.25.
Gol'danskii, V.I. - Results of a great discovery, 30th anniversary of the discovery of artificial radioactivity. p.31.
Kursanov, A.L. - Paths of experimental biology. p.36.
Wiener, Norbert. - Dynamic systems in physics and biology. p.43.
Results of field studies of archaeologists and ethnographers; session of the Department of History. p.46.
Discussion of the work of the journal "Voprosy iazykoznaniia", at the meeting of the Bureau of the Department of Literature and Language. p.57.
Kaminker, D.M. - Studies with the nuclear reactor completed by Leningrad scientists. p.60.
Shchegolev, D.E., Masevich, A.G., Afanas'ev, B.G. - Synchronous observations of the artificial earth satellite "Echo-1" for geodetic purposes. p.74.
Godovikov, A.A. - Work in experimental mineralogy and petrography. p.78.
Khmelevskaia, E.M., Khmelevskaia, N.A. - Study and publication of I.S.Turgenev's manuscripts. p.81.
Dobrotin, N.A. - Conference on cosmic rays in Jaipur. p.88.
Chernyi, A.I. - Scientific technological documentation and information; congress and exhibition in Rome. p.93.
Kiselev, I.N. - Versatile cooperation of the academies of science of socialist countries. p.98.
Rautenshtein, IA.I. - First National Conference of Cuban Soil Scientists. p.99.
Important problems in geology; general meeting of the Department of Earth Sciences. p.101.
Dvorov, I.M. - Geothermal studies in the U.S.S.R.; second all-Union conference in Moscow. p.103.
Orlova, G.A. - Study of seashores of the U.S.S.R.; conference at the Institute of Oceanography. p.106.
Gelling, V.A. - Studies in the chemistry of complex compounds; conference at the Department of General and Technical Chemistry. p.108.
Toropov, N.A. - Structure of inorganic glasses; all-Union conference in Leningrad. p.110.
Karasevich, IU.N. - Development of Soviet microbiology, scientific session at the Department of Biochemistry, Biophysics, and the Chemistry of Physiologically Active Compounds. p.111.
Mal'kov, V.L. - Problems in the recent history of the international working-class movement; conference at the Institute of History. p.113.
Nikiforov, B.S. - Problems concerning the economic independence of Latin American countries; scientific conference. p.115.
Andrianov, B.V. - Problems concerning the agricultural reclamation of lands irrigated in the remote past; conference of the Commission on the Practical Use of Historical Data in the National Economy. p.117.
Rapoport, M.G. - Basic trends in mathematicoeconomic research; joint conference of mathematicians and economists. p.118.
Awarding of the title of Hero of Socialist Labor to A.I.TSelikov. p.120.
Sh.Ch.Chokin's election as the President of the Academy of Sciences of the Kazakh S.S.R. p.120.
Scientific ties of Batum botanists. p.121.
Organizational resolutions of the Presidium of the Academy of Sciences of the U.S.S.R. p.121.
Budnikov, P.P. - "High-temperature chemistry of silicate and other oxide systems" by N.A.Toporov, V.P.Barzakovskii. p. 122.
Konson, A.S. - "Methods and practice of determining the economic efficiency of capital investments and the new technology." p.123.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin]. Novosibirsk, no.7, 1962.

Table of contents translated:
Mekkel', S.A. - Some economic problems concerning the use of machinery at low temperatures. p.3.
Lisin, D.M., Matasova, K.A. - Diffusion-kinetic study of thermal destruction of coal in a layer. *Report No.1. p.11.*
Strelkachinskii, G.A. - Parameters of the extraction area of a hydraulic mine. p.21.
Gaidukov, G.V., Gaidukov, M.G. - Production of plastic vanadium. p.29.
Sokolov, S.G., Levitskaia, TS.M. - Effect of low temperatures on the electrophysical and mechanical properties of epoxide insulation. p.37.
Kirgintsev, A.N. - Thermodynamics of phase transitions of the second order in binary solutions. p.42.
Mikhailov, V.A., Kharchenko, S.K., Nazin, A.G. - Study of the binary systems: water - tri-n-butylphosphate and water - di-n-butylphosphoric acid. p.50.
Busev, A.I., Skrebkova, L.M. - Some piridine azo dyes as complexometric indicators for gallium. p.57.
Khodak, L.P., Varlamova, N.N., Kozhevnikov, G.N.- Extraction of alumina and alkali from sinters obtained in the reduction smelting of red muds. p.64.
Safonova, E.G., Khazanov, E.I. - Material composition of filter residues from the production of aluminum-silicon alloys. p.71.
Kozlovskaia, L.S., Zhdannikova, E.N. - Interrelationships between soil fauna and microflora. *Report No.2. p.79.*
Protopopova, E.N. - Effect of trace elements on the seed vigor and seedling development of some tree and shrub species. p.89.
Chernov, I.V. - Some problems in legal regulation of labor in underground mining. p.94.
Limasov, A.I., Chepikov, A.T. - Volt-second characteristics of plexiglass and teflon in thick layers. p.96.
Kopelev, IU.F., Vainshtein, E.E. - Comparing the electron structure of bis(benzene) chromium and its cation on the basis of X-ray spectrum studies. p.98.
Riabchenko, S.N., Alekhina, V.I., Lisin, D.M. - Germanium in coals of the weathering zone. p.100.
Fokin, E.P., Andrievskaia, O.I., Russkikh, V.V. - 1-Diethyl- and 1-dibutylaminoanthraquinones and thermal dealkylation of 1-diethylaminoanthraquinone. p.103.
Kitaeva, T.G. - Studying the effect of nucleases on the capacity of the influenza virus for the reaction of hemagglutination. p.106.
Makeev, O.V., Efimov, M.V. - Conference on the biological role of trace elements in the organism of man and animals in Eastern Siberia and the Far East. p.109.

No.8, 1962.

Table of contents translated:
Orlova, E.P. - With the Aleuts on Komandorskiye Islands. p.3.
Alabuzhev, P.M., Shpigel'burd, I.IA., Borisova, A.N. - Motion of a quasi-symmetric gyropendulum mounted on a rigid function with no frictional forces in the support. p.11.
Limasov, A.I., Chepikov, A.T. - Volt-second characteristics of polar and nonpolar liquids. p.22.
Bandman, O.L. - Physical feasibility indicators of conductivity matrices of RC-circuits. p.27.
Biriukov, N.D. - Mechanism of the hydration and structure of aquo ions. p.40.
Vulikh, A.I., Bogatyrev, V.L. - Ion exchange of producing hydrobromic and hydriodic acids. p.53.
Adamenko, I.A. - Determination of germanium in coal and its combustion products. p.65.
Mamaev, V.P., Rodina, O.A. - Amino acids of the indole series, synthesis of γ-amino-β-(3-indolyl)-butyric acid. p.72.
Shabalin, I.N. - Increase of the sugar content of sugar beets due to irrigation in the Kulunda Steppe. p.70.
Nekrasova, T.P. - Present state and outlook for the development of the forest seed science. p.84.
Elagin, I.N. - Seasonal development of Betula Ermani forests in Kamchatka. p.94.
Fradkin, S.Z. - Experimental physiological and histochemical study of the adaptation of intestinal transplants incorporated in the urinary system. p.103.
Batsanov, S.S. - Atomic charges in ferrocene and its analogues. p.110.
IUdina, K.A. - Thermographic study of the inclusion compounds of alums with organic substances. p.113.
Komlev, A.M. - Method for quantitative estimation of the natural regulation of streamflow. p.115.
Meshalkin, E.N., Kelin, E.P. - Repairing a defect of the interventricular septum through the right atrium with the use of hypothermia. p.117.
Buteiko, K.P. - Calibrated ballistocardiogram in mitral defects. p.120.
Peshkova, G.A. - Floristic finds in Dauria. p.122.

No.9, 1962.

Table of contents translated:
Zykin, B.N. - Use to greater advantage the potentialities of labor productivity in the industry of Siberia. p.3.
Borshchevskii, IU.T. - Speed pulsations in a two-phase flow. p.13.
Shabanov, S.I. - Analytical study of the heating of a granulated filling mixed with a solid heat carrier. p.20.
Vertoprakhov, V.N. - Optical method of light figures; a survey. p.25.
Nikolaev, A.V., Rumiantseva, Z.G., Levin, B.V. - Use of salicylic acid in the purification and separation of thorium. p.39.
Opalovskii, A.A., Kuznetsova, Z.M., Batsanov, S.S. - Study of the system $NH_4F - MoO_3 - H_2O$. p.46.
Mikhailov, V.A., Nazin, A.G. - Study of simple extraction systems. Report No.1: The system water - tributylphosphate - potassium iodide. p.54.
Peshchevitskii, B.I., Kazakov, V.P. - Mechanism of the formation of potential on a platinum electrode in the reduction of gold by sulfite. p.65.
Berger, A S., Tokreva, M D. - Phasic composition of products of the interaction of β-dicalcium silicate with soda-aluminate solutions. p.71.
Kotliarevskii, I.L., and others. - Pyridylacetylenes. Report No 1: Synthesis of pyridilacetylene alcohols. p.80.
Al'tergot, V.F. - Physiological foundations for efficient use of herbicides and fertilizers in the grain fields of Western Siberia. p.88.
Pervukhin, F.S., Smirnagina, M M. - Effect of gibberellin on the growth and development of gramineous and leguminous plants. p.101.
Mikhailov, A.S. - Trace element content of soils in certain regions of Western Siberia. p.109.
Kovalevskii, A L. - Biogenic accumulation of chemical elements in soils. p.112
Mikhailov, M A. - Free energy of the reaction of calcium fluoride formation. p.116
Voitsekhovskii, B.V., IZosimov, V.A., Olen'kov, N.F. - Possible use of pulsating jets for the breaking down of rocks. p.117.
Makarov, I.V. - Approximate determination of the speed of percussive-rotary drilling. p.120.
TSellarius, IU.G., Sokolova, G.P., Kaenulev, N.I - Role of fibrin and the cellular elements of exudate on the formation of collagen fibers in aseptic inflammation. p.122.

No.10, 1962.

Table of contents translated.
The Siberian science center p.3.
Starodubskii, L.V. - Methodological problems in studying the diversified development of regional economy p.13.
Reshetniak, IU G. - Geometry in the large p 27
Dykhne, A M., Pokrovskii, V.L. - Adiabatic approximation in quantum and classical mechanics p.38.
Shcherbakov, V.K. - High-voltage a.c. electric power transmission over distances of 1,500 - 3,000 km p.51.
Gorbachev, T.F. - Some results of studies on rock pressure and its changes with the depth of workings. p 60.
Chinakal, N.A. - Mining of deep beds complicated by sudden outbursts of coal and gas in the Kuznetsk Basin. p.72
Nikolaev, A.V, Kolesnikov, A.A. - The extraction system $HNO_3 - NH_4NO_3 - H_2O - (C_4H_9O)_3PO$ at 25°. p.80.
Vorozhtsov, N.N Jr., Sokolenko, V.A., IAkobson, G G. - Aromatic fluorine derivatives. Report No.11: Production and reactions of 2,6-dinitrofluorobenzene. p.87.
Kuminova, A.V, Sobolevskaia, K.A. - Plant kingdom of Siberia as a productive force and outlook for its utilization. p.91.
Shkvarnikov, P.K, Chornyi, I.V. - Characteristics of radiation-induced mutations in spring wheat as related to the type of radiation applied. p.106
Beliaev, D.K. - Certain problems concerning correlative variability and their significance for the theory of evolution and animal breeding. p.111.
Kerkis, IU.IA. - Radiation as one of the possible causes of carcinogenesis. p.125.
Sobolevskaia, K.A. - International flower exhibitions in Holland and Italy. p.139.

No.12, 1962.

Table of contents translated:
Korshakovich, I.I., Turko, M.N. - Dynamics and structure of the luminous cloud of arc discharge. p.3.
Dubrovin, A.S., Pliner, IU.L. - Temperature of the aluminothermic process outside blast furnace. p.9.
Chernov, O.I., Gorbachov, A.T. - Methods, systems and nature of the degassing of coal beds through wells. p.16.
Legchenko, I.G. - Flow of wind around hollows on railroads and highways. p.28.
Braslavskii, A.P. - New instrument for measuring long-wave atmospheric radiation. p.35.
Kirgintsev, A.N. - Equations of fusibility curves for simple binary systems. p.49.
IAkovlev, I.I., Opalovskaia, R.I. - Study of distribution in systems consisting of nitric acid - water - tributylphosphate - salting-out agents. p.62.
Batiaev, I.M., Larionov, S.V. - Stability of complex compounds of lanthanum, praseodymium and neodymium with glycocoll. p.69.
Preobrazhenskii, N.G. - Increasing the accuracy in spectral determination of small concentrations. p.75.
Perminov, V.P. - Regular patterns of changes in the mechanical properties of aluminum and its alloys with 5% silicon and 6% magnesium resulting from alloying with other metals. p.83.
Liapunov, M.F. - Salt flow in the Burla River and salt accumulation in Lake Azhbulat. p.92.

Popov, L.V. - Forest-type zones in Irkutsk Province p. 103.

Pelazhnikov, A.N. - Chlorophyll content of the needles of damaged pine. p. 116.

Fedorova, R.V. - Results of a study of peat deposits in the Chukchi Peninsula. p. 120.

Gindin, L. M. - Acid base interactions in ion-exchange extraction processes. p. 128.

Tikhomirov, I.A., Melenevskii, V.N. - Studying the isotope effect in thermal decomposition of ozone. p. 131.

[illegible], B.I., Kulev, L.P., Shchekochikhin, IU.M. - Production of some esters of diphenic acid, their properties and spectral characteristics. p. 134.

Kulev, L.P., and others. - Insecticidal activity of substituted amides of 9 fluorenone-4 carboxylic acid and its derivatives. p. 137

Moshkina, I.A. - Isothermal evaporation of the dense [illegible] brine of Lake Kuchuk. p. 140

Sergievskii, V.S., Moshalkin, L.N. - Reducing the coronary shunt in coronary insufficiency. p. 143.

[illegible], G.A., Beskin, A.A. - Effect of environmental conditions on the inheritance of characters. p. 147

Professor K.A. Sobolevskaia, on her 60th birthday p. 149.

Krylov, G.V. - Monograph on the vegetation and forestry of the loess province of North China. p. 151.

Articles published in the journal "Izvestiia Sibirskogo otdeleniia Akademii nauk SSSR" in 1963. p. 153

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin]. Novosibirsk, no. 5, 1964. Seriia obshchestvennykh nauk [Series in the Social Sciences], no. 2.

Table of contents translated

[illegible], I.A., [illegible], V.G. - Economics of [illegible] consumption. p. 3.

[illegible], V.I. - Improve the incentives in the output of raw products. p. 7.

[illegible], G.A., Loginov, V.P. - Increasing the effectiveness of industrial production in the North. p. 11.

[illegible], I.A. - Methodological problems concerning the optimal distribution planning the individual location of industry. p. 21.

[illegible], P.I. - Production costs and prices of coal. p. 29.

Methods for calculating production costs of aluminum in case of simultaneous processing of alkaline aluminum silicates and other aluminous ores. p. 30.

[illegible], G.A. - Present state and prospects for developing industrial hydrolysis in Eastern Siberia. p. 45.

[illegible], N.V. - Development of transportation in the [illegible] districts of Siberia. p. 53.

[illegible], I.M. - Estimating future population in small towns and districts. p. 60.

[illegible], V.I. - Methods for improving the analysis of internal migration. p. 70.

[illegible], I.A. - Methods for studying the stability of the industrial labor force. p. 79.

[illegible], I.I. - Effect of the communal labor [illegible] on the development of production. p. 89.

[illegible], I.M. - Characteristic features of the migrations of the peasantry in Western Siberia in the late 19th and early 20th centuries. p. 99.

[illegible], O.N. - Unification of dry measures in Siberia in the 17th century. p. 113.

[illegible], I.V. - Practice in improving the organization of work in a stope. p. 117.

[illegible] - A new coordinating method for scientific research. p. 121.

Participation of the teachers of institutions of higher learning in the preparation of a multivolume History of Siberia." p. 122.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad, Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Social Sciences]. Ashkhabad, no. 1, 1964.

Table of contents translated:

Berdyev, T. - Agriculture in the Turkmen S.S.R., 1946-1955. p. 3.

[illegible], O. - Training of the leaders and the mass of the agricultural labor force in the Turkmen S.S.R. p. 14.

[illegible], M., Khalibi, S. - Information on Turkmen and Turkmenistan of the first third of the 16th century in the works of Muhammad Kasim. p. 24.

[illegible], G.A., Usmanova, Z.I. - History of the fortifications of the ancient city of Merv. p. 34.

Mullaev, Kh. - Essence of the law of the steady growth of labor productivity. p. 42.

[illegible], E.G. - Specialization of the branches of livestock growing on the collective farms of the Karakum Canal zone. p. 54.

Mukhammedova, Z.B. - Reflection of the special phonetic features of the Turkic languages in the works of the Arabic philologists from the 11th through the 14th century. p. 61.

Kharlanova, M.S. - Enrichment of the socio-political terminology of the Turkmen language by Soviet international loan words. p. 66.

Berdyev, O. - Chagylly-depe. p. 69.

BIULLETEN' MEZHDUNARODNYKH NAUCHNYKH S"EZDOV, KONFERENTSII I KONGRESSOV [BULLETIN OF INTERNATIONAL SCIENTIFIC MEETINGS, CONFERENCES, AND CONGRESSES]. Issued by Otdel mezhdunarodnykh sviazei i informatsii Vsesoiuznogo instituta nauchnoi i tekhnicheskoi informatsii Akademii nauk SSSR [Department of International Relations and Information of the All-Union Institute of Scientific and Technical Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4(41)-5(42), 1964

CHITA. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTI*TUTE. Studies*]. No. 9, 1962.

Contents: Inger, A.G. [Problems of dramaturgy and the theater in the early works of Goldsmith] Voprosy dramaturgii i teatra v rannem tvorchestve Gol'dsmita. 20 p.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Uhiskonnateaduste seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Series in the Social Sciences]. Tallinn, vol. 13, no. 3, 1964

LENINGRAD. UNIVERSITET. Vestnik [UNIVERSITY. Review]. Vol. 19, no. 11, 1964. Seriia ekonomiki, filosofii i prava [Series in Economics, Philosophy, and Law, no. 2].

Table of contents translated:

Khokhlov, R.A. - State monopoly "planning" in Sweden. p. 6.

TSelykovskaia, E.A., Fedorova, L.P. - Standardizing the stocks of goods and reducing marketing time in the consumer goods trade. p. 18.

Sipovskaia, I.V. - Index method in the analysis of statistical indices of transportation work. p. 28.

Kotelkin, V.I. - Further improvement in establishing work norms is an important condition for developing the socialist production, using the example of the Leningrad Economic Council. p. 41.

El'meev, V.IA. - Development of the organizational forms of society in the transition period to communism. p. 48.

Batybalov, A.A. - Certain disputed issues in the study of the historical forms of communities of people (tribe, nationality, nation). p. 59.

Ermolin, V.V. - The idea of personal vocation to work. p. 69.

Vdovina, N.R. - Dynamics of the development of the interests of Pioneers. p. 80.

Tugarinov, V.P. - A few new problems of consciousness. p. 88.

Chechot, D.M. - The essence of trial evidence and the rules for its use. p. 94.

Kalakova, M.A. - The role of cassation courts in securing the legality and correctness of court decisions. p. 104.

Kal'kalo, B.I. - The concept of the injured in Soviet criminal procedure. p. 113.

Abdullaev, N.D. - Certain theoretical problems concerning the participation of the public in the Soviet legislative process. p. 123.

Alakhverdiev, S. - Educational meaning of the disposition of a court case under the rules for Soviet court proceedings. p. 126.

Smirnov, V.G. - Foundations of criminal liability and criminal punishment for acts committed in a state of intoxication. p. 130.

Chufrin, G.I. - Czech economist on the problem of planning in the new sovereign states. p. 136.

Tiul'panov, S.I., Demin, A.A. - State monopoly capitalism in Germany, 1919 - 1946. p. 138.

Magnitskaia, E.V. - Discussion of a new book on the worker's condition in production. p. 144.

Vol. 19, no. 12, 1964. Seriia geologii i geografii [(
in Geology and Geography], no. 2.

Table of contents translated:

Sudovikov, N.G. - Current trends in the study o
morphism. p. 5.

Komlev, L.V. - A.E. Fersman and geochemistr
anniversary of his birth. p. 17.

Shkobatov, S.S., Sveshnikova, O.I., Perfilova,
Studying the magnetic properties of rocks in
Monchegorsk region. p. 23.

Barabanov, V.F., Kler, M.M., Stepanova, S.M.
termining the reflecting properties of miner
the MF-2 microphotometer. p. 31.

Boldyreva, M.M. - Relationship between magnetic and hematite with sulfides in the ores of the Pereval'noye deposit (western Karamazar Mountains). p. 38.

Makhlaev, L.V. - Migmatites of the Taymyr Peninsula. p. 47.

Sergeeva, S.P. - Stratigraphic significance of Lower Ordovician conodonts in Leningrad Province. p. 50.

Kofman, V.S. - Basic characteristics of the section of Lower Carboniferous sediments in the southern Lake Onega region. p. 61.

Kozlov, S.S., Kozlova, E.V., Mart'ianova, G.I. - Gas content of the underground waters in northern Tajikistan. p. 74.

Rzhonsnitskii, V.B., Liamzin, O.M. - Calculation and mapping of the magnitudes of tide-forming forces. p. 81.

Borisenko, M.M. - Methods for increasing the efficiency of barometric leveling. p. 95.

Saidov, A. - Hydrography and the regime of mountain streams on the right bank of the Zeravshan Basin. p. 103.

Filenko, R.A. - Characteristics of the ionic runoff of surface waters in Vologda Province. p. 116.

Smirnov, L.E., Cherniaeva, F.A. - Measuring areas on aerial photographs. p. 129.

Petr, T.A. - Root systems of the steppe plants of the trans-Ural region. p. 141.

Shibanov, F.A. - Talented Russian cartographer P.I. Kuznetsov; 150th anniversary of his birth. p. 151.

Skarlygina, M.D., Berezkina, G.A. - Results in determining the sum of metals by copper (Cu, Ni, Co) depending on the method of their extraction from plant ashes. p. 157.

Syritso, L.F., Chuenko, L.I. - Chillagite from the Spokoynoye deposit (eastern Transbaikalia). p. 162.

Ozerova, G.N. - Classification of population maps. p. 166.

Steblin-Kamenskaia, O.S. - International Map of the World on the Millionth Scale; results, current state, prospects. p. 169.

Scientist and teacher N.G. Sudovikov; on his 60th birthday. p. 174.

Lebedev, V.I. - 80th anniversary of Academician A.E. Fersman. p. 176.

Lebedev, V.I., Sveshnikov, G.B. - American scientist at Leningrad University. p. 177.

Vol. 19, no. 13, 1964. Seriia matematiki, mekhaniki i astronomii [Series in mathematics, mechanics, and astronomy].

Table of contents translated:

Adrianova, L.IA. - Rigorous estimation of the error in integrating differential equations by Störmer's method. p. 5.

Kozinets, B.N. - Criterion of the stability of Hill's equation. p. 10.

Linnik, IU.V., Skubenko, B.F. - Asymptotic distribution of third-order integral matrices. p. 25.

Rivkind, V.IA. - Approximate method of solving the Dirichlet problem, and estimates of the rate of convergence of solutions of difference equations to solutions of elliptic equations with discontinuous coefficients. p. 37.

Sapogov, N.A. - Norms of linear polynomial operations in connection with problems of the approximation of continuous functions. p. 53.

Kharlamov, B.P. - Some the
search in a determinate
Belova, A.V., Mak-
problem of the
Balanin
wall

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Darbai. Serija B. Trudy, Akademii nauk Litovskoi SSR. Seriia B [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Transactions. Series B]. Vilnius, no.1(28), 1962.

Table of contents translated.

Zironaite, S., Vizbaraite, J., Jucys, A. - Calculation of matrix elements of the energy operator in the case of one electron outside the quasi-closed shell. p.3.

Tolutis, V., Jakucevicicne, I. - Comprehensive study of thin cadmium telluride layers. Pt.1: Introduction, general questions of methodology, conductivity of thin cadmium telluride layers in strong electric fields. p.17.

Tolutis, V., Sinulyte, F. - Comprehensive study of thin cadmium telluride layers. Pt.2 Electric conductivity in weak electric fields and contact phenomena. p.33.

Valacka, K., Tolutis, V. - Comprehensive study of thin cadmium telluride layers. Pt.3: Photoelectric properties. p.51.

Silcika, A. - Comprehensive study of thin cadmium telluride layers. Pt. 4 Optical properties. p.63.

Kucys, E. - Comprehensive study of the properties of thin cadmium telluride layers. Part. 5: Some methodological problems in studying the Hall effect in thin semiconductor layers with high specific resistance. p.73.

Ulinstrubas, S. - Calculation of the plan of anomalous magnetic and gravitational fields and the determination of the horizontal dimensions of disturbing bodies. p.85.

Kicas, P., Matulis, J. - Changes in the medium acidity which triggers the formation of nickel hydroxide sol due to some additions causing the improvement of the quality and brightness of nickel electrodeposits. p.97.

Kicas, P., Matulis, J. - Formation of colloids in the catholyte during the electrolysis of nickel sulfate solutions containing some additions. p.111.

Prokopcikas, A., Norkus, P. - Catalytic decomposition of chlorites. Pt.3: Dependence of the catalytic decomposition of alkaline earth chlorites on the pH of the solution. p.129.

Prokopcikas, A., Bartasiunas, J. - Catalytic decomposition of chlorites. Pt.4: The mechanism of reaction. p.141.

Latvys, V., Slizys, V. - Formation and determination of compounds in the system $CaSO_4$-SiO_2-Al_2O_3-Fe_2O_3-C p 153.

Slizys, V., Vaitkus, I. - Calcium hydroxide reaction with quartz glass and quartz sand at temperatures from 120° to 210° C. p.161.

Daltrusis, R., Maciulis, A., Purenas, A. - Synthesis of N-aryl-β-amino acids in combining methyl acrylate with some aromatic amines. p.169.

Sliapnikovas, J., Kapacauskiene, J. - Dependence of the induction period of the oxidation of polyethylene and polypropylene on the concentration of phenyl-β-naphthylamine. p.175.

Razinskas, A. - Some notes on the importance of a detailed study of a quasi-geoidal surface for the characteristics of the earth crust activity. p.183.

Cepulyte, V. - Basic bands of marginal formations in Lithuania and adjacent areas. p.189.

Garbaliauskas, C. - Synthetic method in climatological studies and its application in evaluating the climatic conditions of North America. p.199.

Mockus, I. - Methods of technical and economic calculations in power engineering. p.209.

Ragulskis, K. - Nonuniformity of the travel of a machine. p.215.

Ragulskis, K.M. - Study of the steady motion of a machine with one elastic coupling. p.221.

Jankauskas, M. - Crack resistance analysis of prestressed reinforced concrete elements subjected to bending. p.229.

Jankauskas, M., Kalinauskas, A. - Crack resistance analysis of prestressed reinforced concrete elements subjected to bending. p.235.

Vektaris, B., Krikstopaitis, J. - Self-induced deformations of silicate concrete during the manufacturing process. p.243.

Vektaris, B., Krikstopaitis, I. - Shrinkage of silicate concrete. p.253.

ODESSA. ELEKTROTEKHNICHESKII INSTITUT SVIAZI. Trudy kafedr obshchestvennykh nauk [INSTITUTE OF ELECTRICAL COMMUNICATION ENGINEERING. Transactions of the Departments of Social Sciences]. No.3, 1962. [On the way to communism.]

Table of contents translated:

Introduction. p.3.

Kucherov, A.F. - The 22d Congress of the Communist Party of the Soviet Union as a marker of a new epoch p.5.

Kurchikov, L.N. - Dialectic of the development of production in the period of the large-scale building of communism. p.15.

Pokrytan, A.K., Kasatkina, V.I. - Methodological problems in the analysis of production and commodity exchange relations in the period of the transition to communism. p.31.

Cherednichenko, A P. - Some special features of the development of socialist production relations. p.54.

Kucherov, A F. - Perfecting economic relations in communication enterprises. p.70.

Pusenkova, I V - Problems of labor and of the distribution of material goods during the period of the transition to communism. p 88.

Kovalev, N K. - Socialist reorganization in the Carpathian Mountain region. p.105.

Anisimova, T V. - Successes of the building of socialism in the European people's democracies. p 121.

Marder, R I - At the source of the communist forms of labor in Odessa. p 138.

Mazur, V N - Gnoseological roots of the revisionist views on socialist property p.154

ORDZHONIKIDZE. SEVERO-OSETINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Izvestiia [NORTH OSSETIAN SCIENTIFIC RESEARCH INSTITUTE. Bulletin]. Vol.23, no.2, 1962. [History.]

Table of contents translated:

Kulov, S.D. - S.M.Kirov's revolutionary activity in the Terek Valley. p.5.

Gal'tsev, V.S. - G.K.Ordzhonikidze in the Terek Valley. p.69.

Totoev, M.S. - S.M.Kirov's revolutionary journalism during the period preceding the October Revolution from 1909 to 1917. p.121.

Biriukova, L.D. - S.M.Kirov's fraternal friendship with G.K.Ordzhonikidze. p.148.

Biriukova, L.D., Krichina, E.P. - New documents on the lives and activities of S.M.Kirov and G.K. Ordzhonikidze in the Terek Valley. p.153.

PETROZAVODSK. UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. Vol.11, no.1, 1962. [Problems in History.]

Table of contents translated:

Slavin, N.F. - V.I.Lenin on the possibilities of a peaceful development of the revolution at the moment of the liquidation of the Kornilov mutiny. p.3.

Kiuru, M.Kh. - The newspaper "Znamia bor'by" as a militant organ of the Bolsheviks in Vyborg in 1917. p.23.

Zen'kovich, D.M. - Socialist competition for an increase in labor productivity in industry during the years of the fifth five-year plan, based on materials from the Latvian S.S.R. p.37.

IUrgens, B.A. - Construction of the first hydroelectric power plant on the Suna River; from the history of the electrification of Karelia. p.60.

Vitukhnovskii, A.L. - The Anglo-Boer War in the evaluation of the Russian periodical press. p.96.

Kiaiviariainen, I. - From the history of the relations between Russia, Sweden and Finland from the second half of the 18th to the early 19th century. p.122.

Cherevan', A.S. - The role of the crown peasants in Karelia, European Northern Russia, and the Urals in the development of industry; from the second half of the 18th through the first third of the 19th century. p.142.

Balagurov, IA.A. - The characteristics of land tenure in a Olonets mining area ascribed village during the 18th and in the first half of the 19th century. p.201.

Cherevan', A.S. - The role of the crown peasants in Karelia of the European Northern Russia in the development of shipbuilding and navigation from the second half of the 18th to the first third of the 19th century. p.223.

Starostina, T.V. - History of the anti-feudal uprisings of the Russian peasantry in the seventies of the 17th century; assassination of the boyar G.S. Cherkasskii. p.255.

Rybak, E.D. - Conditions of labor and mode of life of the lumbermen of the prerevolutionary Karelia in the early 20th century; according to data from Karelian press. p.264.

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. No.138, 1963.

VLADIVOSTOK. DAL'NEVOSTOCHNYI UNIVERSITET. Uchenye zapiski [FAR EASTERN UNIVERSITY. Studies]. No.6, 1962.

Table of contents translated:

Dagel', P.S., Eliseikin, P.F. - Problems of law in the program of the Communist Party of the Soviet Union. p.3.

Khalilov, A.M. - The new program of the CPSU and certain problems of developing Soviet democracy in the autonomous republics. p.39.

Ovchinnikov, N.I. - Concept and further development of kolkhoz democracy at the present stage. p.60.

Eliseikin, P.F. - Further development of socialist democracy in the recently enacted Soviet civil procedure law. p.86.

Semenova, L.I., Ovchinnikov, N.I. - Draft of the law "Fundamental Civil law of the Soviet Union and the Union Republics" p.119.

Ovchinnikov, N.I. - General characteristic of the system of the administrative organs of a collective farm and certain problems of further improving our collective farm law. p.133.

Dagel', P.S. - The principle of inevitability of punishment. p.152.

Riabinskii, B.M. - Foundations of the law governing transportation relations. p.160.

Bartykov, I.F., Vorontsova, T.K. - Legal regulations for conservation. p.184.

Mikhailov, V.S. - Immunity of the Trade Agency and its concept in the light of the Leninist doctrine of peaceful coexistence. p.207.

Shvetsov, A.A. - Japanese peasant uprisings in the 15th and 16th centuries waged under religious slogans p.223.

b. POPULAR MAGAZINES

AZIIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY] Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.6, June 1964.

Table of contents translated:

Gafurov, B. - Let's strengthen our unity. pp.2, 21.

Delegates of the Algerian conference speak. p.4.

Zenovich, M. - Brothers in spirit. p.6.

Latyshev, I. - Distorting mirror of the Japanese bourgeois press. p.8.

Moiseev, P. - Turkey: Reform or hunger? p.10.

Matveev, P. - Who is sowing the rebellion in southern Sudan. p.13.

Plesov, A. - Black decade of SEATO. p.15.

Gerasimov, O. - First steps. p.18.

Balil, B. - The Eshkol government maintains the previous policy. p.20.

Khrenov, IU. - Brunei and Malaysian petroleum. p.22.

Popov, V. - False gilding tarnishes. p.24.

IAkovleva, E. - Nyasaland becomes Malawi. p.26.

Ashrat, A. - Fascist detachment of Indian reaction. p.29.

Korshunov, E. - Mammy. p.32.

Turkin, V. - Visiting the Santals. pp.34, 45.

Malakhovskii, K. - Unwilling wards. p.36.

Usman, Albakai. - Future of our culture. p.38.

Nesin, Aziz. - Jokesters. p.39.

Binzhin, Abdal-Hamid. - Evening party. p.43.

Abd al-Rahman. - Summer has come again. p.46.

Muhammad Mahdi al-Jabakhiri. - Wounds of the fallen. p.49.

Baranov, S. - Artists of Eastern Pakistan. p.50.

Agaryshev, A. - On paths of progress. p.53.

Golvandov, K. - Voice of Africa. p.54.

Bochkarov, IU. - Fears of the petroleum monopolies. p.54.

Ushmanov, A. - The Olympics and business. p.55.

Resolution of the sixth session of the Council of the Organization of Afro-Asian Solidarity. p.57.

In memory of Antoine Thabit. p.60.

Vol.8, no.7, July 1964.

Table of contents translated:

Bankruptcy of the ideology of neocolonialism. p.2.

The spring of Soviet-Arab friendship. pp.4, 11.

Alekseev, E. - Cairo, October, 1964. p.7.

Kovalev, M. - Solidarity in practice. p.10.

Aleksandrov, IU. - New forms and an old reality. p.12.

Vladin, A. - India and the developing countries. p.14.

Topekha, P. - Japan, the attack continues. p.16.

Ol'ginskii, I. - Donn on a river of shrimp. p.20.

Entin, L. - "By request of the government." p.22.

Malysheva, N. - "Thank you, women." p.25.

Starkov, I. - More concern for "Little America." p.27.

Tishenk, Z. - In the life of one generation. p.29.

Korovikov, V. - City on the lion hills. pp.33, 39.

Mozheiko, Igor'. - A man finding his face. p.36.

Matiushina, Z. - A lagoon of singing fish. p.40.

Erdinic, Fahri. - Uninvited guests; story. p.41.

Khwaja Ahimad Abbas. - The most beautiful in the world; story. p.44.

Levkovskii, A. - At the forum of Indian economists. p.47.

Kogan, M. - The dollar in Africa. p.49.

The first socialist party in Nigeria. p.51.

Ol'gin, B. - Along old trails. p.53.

Golvandov, K. - Japan and Africa, trade or... p.54.

Nikolaev, M. - Hate is a bad advisor. p.55.

Fedorov, V. - Calculating without the boss. p.56.

Grigor'ev, V. - Who among the racists? p.57.

Konstantinov, V. - Calendar of the cosmic era. p.58.

Radii, K. - Face of the dawn. p.59.

Resolutions of the Second Soviet Conference of Afro-Asian Solidarity. p.60.

Vladinets, I. - Helping friends. p.64.

CHAIAN [SCORPION]. Kazan, vol. 41, nos. 8(605), 11(608)-14(611), Apr., June-July 1964. [In Tatar]

DADZIS [THISTLE]. Riga, nos. 15(183)-16(184), 1964. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol 14, no. 6(189), June 1964. [In Ukrainian]

JAUNIMO GRETOS [THE RANKS OF YOUTH] Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, nos. 8(237)-9 9(238), Aug.-Sep. 1964. [In Lithuanian]

KHORPUSHTAK [HEDGEHOG]. Dushanbe, no. 6(133), June, 1964. [In Tajik]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, no. 8, 1964.

KLIVLENDS'KI VISTI. THE UKRAINIAN CLEVELAND NEWS. Cleveland, vol. 1, pt. 7/9, July-Sep. 1962.

KOSTER [CAMPFIRE]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza moldezhi [Central Committee of the All-Unuon Communist Youth League of Lenin] and others. Leningrad, no. 8, Aug. 1964.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 43, nos. 19(1741)-25(1747), July-Sep. 1964.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 8, nos. 8-9, 1964.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiuhingute Noukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 7, nos. 7, 9, July, Sep. 1964. [In Estonian]

KYIV [KIEV]. Published by Bohdan Romanenchuk. Philadelphia, vol. 15, nos. 1(82), 4(85), Jan.-Feb., July-Aug. 1964.

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 8, Aug. 1964. [In Latvian]

MEDENIET ZHENE TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no. 7(73), July 1964. [In Kazakh]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, no. 8, Aug. 1964.

MUSHTUM [PUNCH]. Tashkent, vol. 42, nos. 8(674), 10(676), Apr.-May, 1964. [In Uzbek]

NOVAIA ALBANIIA [NEW ALBANIA]. Tirana, no. 2, 1964.

NOVI DNI [NEW DAYS]. Toronto, vol. 15, no. 171, Apr. 1964.

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 42, nos. 31(1936)-36(1941), July-Aug. 1964.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 24, no. 16(530), Aug. 1964.

PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, nos. 1-3, 6, Jan.-Mar., June 1964. [In Turkmen]

PIONER [PIONEER]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 41, no. 8, Aug. 1964.

PIONER [PIONEER]. Erivan, no. 7, July 1964. [In Armenian]

PIONER [PIONEER]. Ufa, no. 3, Mar. 1964. [In Bashkir]

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pioner'skoi organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 8(489), Aug. 1964.

POL'SHA [POLAND]. Warsaw, no. 7(119), 1964

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vol. 11, no. 126, Sep. 1964.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE. Published by TSentral'na uprava Organizatsii derzhavnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine]. Chicago, vol. 17, nos. 2(180), 9(187), Feb., Sep. 1964.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 31, nos. 7-8, July-Aug. 1964.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 9, nos. 5(100)-6(101), May-June 1964. [In Kazakh]

SOGLASIE [CONCORD]. Los Angeles, Calif., vol. 13, nos. 155-156, 1964.

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no. 8, Aug. 1964.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no. 9(175), 1964.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol. 16, nos. 14(374)-15(375), July-Aug 1964. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 24, nos. 22(386), 32(396)-33(397), 35(399)-36(400), May, Aug.-Sep. 1964.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelenie Soiuza pisatelei and Sverdlovskii obkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of Lenin]. Sverdlovsk, no. 7, July 1964.

V'ETNAM [VIETNAM]. Hanoi, Vietnam, no. 7(82), 1964.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, no. 8, Aug. 1964.

VOZHYK [HEDGEHOG]. Minsk, vol. 24, nos. 14(588)-15(589), July-Aug. 1964.

VSESVIT. THE WORLD. Issued by Spilka pys'mennykiv Ukrainy and Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 7, no. 8, Aug. 1964.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol. 11(17), no. 9(199), Sep. 1964.

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol. 17, no. 8, Aug. 1964.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of Vserossiiskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 41, no. 7, July 1964.

ZVAIGZNE [THE STAR] Riga, vol 15, no. 16(336), Aug 1964. [In Latvian]

2. BIBLIOGRAPHY

a BIBLIOGRAPHY

EZHEGODNIK KNIGI SSSR; sistematicheskii ukazatel' [ANNUAL OF SOVIET BOOKS, Classed Index]. Vol 1, 1963. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber] Moscow, publ 1964.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION] Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.] Moscow, vol. 8, nos 12, 15-17, June, Aug.-Sep 1964

JAUNAS GRAMATAS [NEW BOOKS]. Riga, nos. 5(71)-6(72), May-June 1964 [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber] Moscow, nos 32-33, 35-37, 1964. Vspomogatel'nye ukazateli k nos. 14-26 za 1964 god [Indexes to nos. 14-26 for 1964].

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, nos. 4-5, Apr.-May 1964.

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 7, 1964. Vspomogatel'nye ukazatelik nos. 4-6 za 1964 god [Indexes to nos. 4-6 for 1964].

LETOPIS' RETSENZII [CHRONICLE OF REVIEWS]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber] Moscow, no 3, 1964.

LETOPIS' ZHURNAL'NYKH STAT
PERIODICAL ARTICLES]. Pul
knizhnaia palata [All-Union Bo
nos. 26-27, 30-36, 1964.

MOSCOW. PUBLICHNAIA BIBLI
nyi biulleten' novykh inostrann
v Biblioteku imeni V.I. Lenina
matematicheskie i khimichesk
tekhnika i tekhnicheskie nauki
Information Bulletin of New F
ceived by the Lenin Library. S
Mathematical, and Chemical S
ences, Technology and Technol
Vol. 9, nos. 20-24, July-Aug.

MOSCOW. PUBLICHNAIA BIBLI
nyi biulleten' novykh inostrann
v Biblioteku imeni V.I. Lenina
skie nauki, sel'skoe i lesnoe k
khoziaistvennye i lesokhoziais
okhranenie, meditsinskie nauk
Information Bulletin of New F
by the Lenin Library. Series
Agriculture and Forestry, Ag
Sciences, the Health Service,
Vol. 7, nos. 18, 20-23, June-A

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi [illegible] inostrannykh knig, postupivshikh v P[illegible] V. I. Lenina. Seriia 3 Obshchestvennye nauki, [illegible] literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library [illegible] Social Sciences, Belles-Lettres, Art]. vol. 7, nos 23-24, Aug 1964

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Katalog kandi[illegible] postupivshikh v Biblioteku imeni V. I. Lenina [PUBLIC LIBRARY. Catalog of [illegible] for the Degree of Candidate, Received by the V. I. Lenin Library [illegible]] 3 quarter of 1963, 1964

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no 5, 1964

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others Moscow, no 6, 1964

NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others Moscow, no 6, 1964

NOVYE KNIGI, ezhenedel'nyi bibliograficheskii zhurnal [NEW BOOKS, Bibliographical Weekly] Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechati [State Committee of the Council of Ministers of the U.S.S.R. for Printing] Moscow, nos 31-36, July-Sep 1964

NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.] Issued by Vsesoiuznoe ob"edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"] Moscow, nos 30-33, 35, July-Aug. 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia V: *Biologiia,* meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS Series V: Biology, Medicine, Agriculture] Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature] Moscow, vol. 8, *nos* 7-8, July-Aug 1964

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, *filosofiia*, istoriia, *mezhdunarodnye otnosheniia [NEW FOREIGN BOOKS ON THE* SOCIAL SCIENCES, Economics, Philosophy, History, International Relations] *Published by Izdatel'stvo* inostrannoi literatury [Publishing House of Foreign Literature] Moscow, vol. 7, no 8, Aug 1964.

SVODNYI BIULLETEN' NOVYKH INOSTRANNYKH KNIG, *POSTUPIVSHIKH V BIBLIOTEKI SSSR*, Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, *tekhnika* [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY *THE LIBRARIES OF THE U.S.S.R.* Series A: Natural Sciences, Medicine, Agriculture, *Technology*]. *Moscow, no. 3(79), 1964*

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, no. 7, July 1964.

Table of contents translated:

Give greater aid to public libraries. p. 1.
Faibusovich, R. - *Dictated by life.* p. 6.
Grigor'eva, A. - Let us secure effectiveness. p. 8.
IArtsev, V. - *Every book has its address.* p. 11.
Vereshchagin, N. - *Friendly hand.* p. 14.
Nikiforova, N. - Aid to the village from a patron. p. 17.
Keleinikova, F. - What we owe to books. p. 18.
Popov, M. - In contact with production *administration.* p. 19.
Ponomareva, N. - Persistently and *aggressively.* p. 20.
Golota, L. - Great conversation about poetry. p. 22.
Gogolev, V. - Useful and useless reading. p. 23.
Reshetnikov, M. - Club of booklovers. p. 24.
Zhigul'skaia, N. - Belles lettres on exhibit. p. 25.
Ietrobchuk, N. - Through a storehouse of chemical *raw materials.* p. 26.
Iotova, S. - Summer reading room. p. 28.
os'ian, K. - Neznaika studies nature. p. 29.
Mirakov, N. - Footprints on the *earth.* p. 31.
Amurskii, D'ia. - On a subchaser. p. 32.
Perekhodkin, K. - Burn and you set others on fire. p. 34.
Gladysheva, R. - Good companion. p. 35.
Vorob'eva, E. - Important work. p. 37.
Serebriakov, V. - Librarians have a discussion. p. 37.
Dzhurinova, S., IAvkina, L. - For today's readers and tomorrow's. p. 38.
Pekina, N. - In order that the catalogs be more accessible. p. 39.
Kartashov, N. - *Put the direction of reading on a* theoretical basis. p. 40.
Beliakov, L. - Conversation about a textbook is a conversation about a course. p. 43.
Farber, B., Mironova, M. - For librarians it is *unpardonable* p. 47.
Rybakov, A. - How to reorganize seminars. p. 48.
Zaichenkova, A., Zavalishina, A. - Simplify interlibrary loan procedure. p. 50.
A year later. p. 52.
Petrov, B. - Present-day trends in bourgeois library science. p. 55.
Taseva, L. - National library. p. 59.

No. 8, Aug. 1964.

Table of contents translated:

In the name of man, for the good of man. p. 1.
Semichaevskii, M. - Marxism-Leninism in action. p. 4.
Ziganshin, G. - Success did not come suddenly. *p. 8.*
Shcherbakova, M. - Bringing books to the builders of the chemical industry. p. 10.
Khromov, K. - In a library for chemists. p. 11.
Boroznovskaia, L. - Experience of the leaders is available to all. p. 12.
Zabavnikov, L. - According to a common plan. p. 14.
Tokarev, V. - Let us work with periodicals. p. 15.
Fonotov, G. - Making fuller use of the book collections. p. 17.
IAroslavskaia, P. - They broke with religion. p. 22.
Saprykina, V. - Ranks of atheists are growing. p. 23.
Grigor'ev, IU. - Veteran of Soviet bibliography. p. 25.
Smirnova, B. - One of the oldest. p. 26.
Sokolov, A. - First detachment. *p. 28.*
Frumin, I. - Seeking and creating. *p. 29.*
Kuznetsov, P. - Take the needs of rural readers into consideration. p. 32.
Merezhkina, S. - Where can one buy bibliographical aids? p. 32.
Zaitsev, V. - Don't forget the little libraries. p. 33.
Apostolova, L. - With great delay. p. 33.
Stepanova, E. - Our work with bibliographies. p. 34.
Ganitskaia, I., Dobrynina, N. - Youth that reads. p. 35.
Iodkovskii, Edmund, Ivankova, Galina, - In friendship with worker-poets. p. 36.
Zhelezniak, S. - They read in the original language. p. 39.
Slavkovich, D. - Do you know your country's natural resources? p. 40.
Tkacheva, R. - So that there may be more naturalists. p. 43.
Liakhovetskaia, I. - Experienced specialist and public-spirited persons. p. 45.
Smirnov, I. - Methodological soviet. *p. 47.*
Izvekova, S. - In the library of the health resort. p. 49.
Talankina, N. - They love music. p. 50.
Alesakhina, I., Soloveichik, S. - Union of technology and aesthetics. p. 51.
Getmanova, Z. - Using all the possibilities. p. 54.
Artisevich, V., Melendorf, G. - Combine efforts. *p. 57.*
Letters to the editor. p. 60.
New books. p. 63.

c. PRINTING & THE BOOK TRADE

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soiuzpechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no. 7, 1964.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII *[NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued* by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy *of Sciences of the* U.S.S.R.]. Moscow, no. 6, 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego [illegible]

Moscow, [illegible]

Table of contents translated:

Babenko, N. I. - The role of science and prospects for the development of production forces in the period of the large-scale building of communism. p. 3.
Shakparonov, M. I. - The course of the party in the chemicalization of the economy and certain philosophical problems facing science. p. 12.
Tancher, V. K. - New stage in the development of science-based atheistic work of the party. p. 20.
Gede, A. - Peaceful coexistence of countries with different social systems and the ideological crisis of contemporary capitalism. p. 20.
Rutkevich, M. N. - At the Philosophy Congress in Mexico City. p. 36.
Apresian, G. Z. - Against nationalistic concepts in the history of spiritual culture. p. 49.
Chesnokov, G. D. - Criticism of Toynbee's theory of classes. p. 56.
Sobol', K. I. - Freudism as the manifestation of the general crisis of bourgeois ideology. p. 64.
Nechiporenko, L. A. - Australian Marxist criticism of racism. p. 71.
Napolova, T. T. - The conscious and the "unconscious" in artistic creation. p. 77.
Taraknnov, N. G. - Freedom of the people was the ideal of N. P. Ogarov's life and struggle. p. 87.
Kogan, L. A. - The idea of equality in Russian popular freethinking in the second half of the 18th and early 19th century. p. 94.
Shur, E. B. - Lenin's concept of the category of inherent motion. p. 102.
Dragun, B. A. - Contradiction in mechanical motion explained. p. 110.
Narskii, I. S. - Subjective and objective contradictions present in motion. p. 115.
Alekseev, M. N. - The subject matter and nature of logic. p. 120.
Naumov, N. P. - Methodology problems of biology. p. 130.
Afanas'ev, V. G. - Biological species as an entirety. p. 146.
Bukina, I. N., Bukin, V. R. - Religious psychology and atheistic education. p. 156.
Shilov, I. P. - Relation between professional and amateur artistic creativity. p. 163.
Mashkov, A. P., Pavlov, L. S., Furman, A. E. - A useful handbook on the fundamentals of scientific communism. p. 167.
Sadovskii, G. I. - Dialectics of the concept of "biological species." p. 172.
Borz'ykh, N. P., Rzaev, D. A., Tabaldiev, A. T. - Marching toward communism as one family. p. 177.

UCHENYE ZAPISKI KAFEDR OBSHCHESTVENNYKH NAUK VUZOV G. LENINGRADA; Filosofiia [STUDIES BY THE DEPARTMENTS OF SOCIAL SCIENCES OF LENINGRAD INSTITUTIONS OF HIGHER EDUCATION; *Philosophy*]. Leningrad, no. 4, 1963.

Table of contents translated:

Erunov, B. A. - Transition from capitalism to communism is the basic feature of our time. p. 3.
Rodkozubov, V. N. - Scientific foresight and the guidance of social development. p. 19.
Meleshchenko, IU. S. - Some features of scientific and technological progress. p. 33.
Maizel', I. A. - Development of science into a direct production force is the basic feature of the building of communism. p. 52.
Mashkov, A. P. - Development and improvement of production relations during the transition of communism. p. 74.
Losev, A. A. - Role of objective and subjective factors in the development of labor into an indispensable part of our life. p. 93.
Loktev, I. V., Lomova, M. I. - Development of the Marxist-Leninist theory of the socialist state in the program of the CPSU. p. 114.
Belykh, A. K. - Basic phases in the development of the Soviet socialist state. *p. 133.*
Belova, M. Z. - Increased role of public-service organization in governmental administration. p. 151.
Sokolov, E. V. - Moral duty in the period of the large-scale building of communist society. p. 168.
Novikov, A. I. - Historiography of philosophy and present-day ideological struggle. p. 187.
Kupchenko, I. P. - Some new characteristics of present-day anti-imperialist and national liberation revolutions in the Orient. p. 204.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. [illegible] Akademii nauk SSSR [Insti-[illegible] Academy of Sciences of the U.S.S.R. [illegible] 1964.

Table of contents translated:

Mikul'skii, K. I. - Class structure of society in the European socialist countries. p. 3.

Volkov, G.N. - Automation as the new historical stage of technological development. p.15.
Sheptulin, A.P. - Dialectical categories as stages of knowledge. p.27.
Svidorskii, V.I. - Philosophical comprehension of the finite and the infinite. p.37.
Zabotin, P.S., Kramar, F.D., Suvorov, N.I. - The problem of segregating the "dialectics of nature as a relatively independent branch of Marxist philosophy. p.47.
Shutaiilin, A.V. - For further creative work on the philosophical issues in contemporary natural science. p.49.
Abdyldaev, T. - Is the dialectics of nature an independent part of Marxist philosophy. p.52.
Mal'tsev, V.I. - The place and the objectives of philosophical problems of natural science in the Marxist-Leninist philosophy. p.55.
Trubnikov, N.N. - Relationship between the objective the means, and the results in a man's action. p.59.
Arkhangel'skii, L.M. - The good, duty, and conscience. p.69.
Gulyga, A.V. - Is there progress in art. p.80.
Valentinova, N.G. - The influence of the collective on the raising of interest in work. p.90.
Bagramov, E.A. - Bourgeois sociology and the problem of "national character." p.99.
Kogan, L.A. - From the history of the Russian liberal thought in the sixties of the 19th century. p.110.
Mamzin, A.S. - Systemic character of a living being and the correlation between its biological and physicochemical structure. p.118.
Fedorov, E.K. - Observations during a discussion. p.127.
Discussion of the division of labor and the all-around development of personality. p.130.
Davidova, G.A. - What is abstract and what is concrete. p.145.
Maizel', I.A., Meleshchenko, IU.S. - Converting science into a directly productive force. p.157.
Vasil'ev, N.M., and others. - Philosophical analysis of characteristics of the development of socialist production methods. p.167.
Osipov, G.V. - Criticism of the concepts of bourgeois political philosophy. p.169.
Omelyanovskii, M.E. - On one book by Max Born. p.171.
Ozerskaia, A.F. - O.G.Drobnitskii's "Justification of amorality." p.176.
Kim, V.A., Bazhenov, A.K., Basin, V.IA. - D.Kalibekov's "Patterns in the replacing of pre-capitalist production relations by socialist relations." p.178.
New literature. p.180.
English summaries. p.184.

Vol.18, no.7, 1964.
Table of contents translated:
Chorkovets, V.N. - Conscious utilization of economic laws in socialist society. p.3.
Andreeva, G.M. - Methodological role of theory at various stages of social research. p.14.
Dudel', S.P. - Contradiction in mechanical motion reflected in concepts. p.28.
Shchedrovitskii, G.P. - The place of logical and psychological methods of pedagogy. p.38.
Kleshcheva, R.A. - Change in the professional makeup of Soviet workers. p.50.
Rumer, IU.B., Ryvkin, M.Sh. - Certain problems of knowlege in contemporary physics. p.59.
Zhdanov, G.B. - Information models in physics. p.69.
Koronkevich, A.I. - Expressing quality by the methods of the similitude theory. p.73.
Volkovyskii, R.IU. - Measurement in quantum physics. p.82.
Goranov, Kristiu. - Notes on the problem of progress in art. p.90.
Porfil'ev, M.I. - One way of falsifying socialist democracy. p.101.
Dykhovskii, B.E. - "The sum total and the remainder," or the balance of a renegade. p.112.
Spasov, Dobrin. - Gnoseological problems in contemporary formal logic. p.123.
Gol'dberg, N.M., IAroshevskii, M.G. - Thomas Cooper's struggle against idealism and religion in the U.S.A. p.130.
Zis', A.IA. - Art as a form of social consciousness. p.141.
Letter to the editors. p.152.
Loganov, I.I. - Readers' conference in Dubna. p.153.
Semkov, B.F. - Problems which demand further study. p.154.
Andreev, G.L., Sukhov, A.D., Filimonov, E.G. - Combat weapon of atheistic propaganda. p.158.
Il'enkov, E.V., Kasymzhanov, A.Kh., Rozental', M.M. - Dialectical logic in economic research. p.165.
Knuniants, I.L. - A book which compels one to think. p.169.
Voronov, R.A., and others. - An interesting concept. p.170.
Makedonov, A.V. - Inexhaustible legacy. p.172.
Shvartsman, K.A. - A serious problem of Marxist ethics. p.176.
Kar'eva, V.B. - Philosophy of hopeless optimism. p.178.
Gu, A. - Philosophy and the sense of proportion. p.182.
Anatolii IAkovlevich Chugaev; an obituary. p.184.
English summaries. p.185.

b RELIGION

DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]. Helsinki, vol.42, nos.8-9, 1963, vol.43, no.7/8, 1964.

LOGOS. Issued by Kolegiia profesoriv Dukhovnoi seminarii o.o. redemptoristiv [Ukrainian Redemptorist Fathers, St.Mary's Seminary]. Meadowvale, Ont., vol.6, nos.2,4, Apr.-June, Oct.-Dec. 1955, vol.7, no.1, Jan-Mar. 1956.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, nos 4-5, 1964

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no.6, 1964.
Table of contents translated·
Exchange of Easter greetings between Pope Paulus VI and His Holiness Patriarch Aleksii. p.1.
Decisions of the Holy Synod. p.2.
Letter from V.Kuroedov, chairman of the Council for the Affairs of the Russian Orthodox Church attached to the Council of Ministers of the U.S.S.R., to the editor of "Zhurnal Moskovskoi Patriarkhii." p.4.
On the sojourn of Dr. J.Hromadka in the Soviet Union. p.4.
Passion Week and the celebration of the Resurrection of Christ in the Patriarchal Cathedral of the Epiphany. p.7.
Memorial service on the occasion of the 20th anniversary of the death of His Holiness Patriarch Sergii. p.11.
In memory of His Holiness Patriarch Sergii (sermon at a memorial service in the Cathedral of the Ephiphany). p.12.
Archimandrite IUvenalii. - News from the Russian Orthodox Mission in Jerusalem. p.15.
Novice Nina (Latai). - For the novitiate in the Holy Land. p.20.
Sermon on the Ascension of Christ. p.25.
Vetelev, A. - Sermon for the Trinity Paternal Saturday. p.27.
Communiqué of the "Peace and Ecumenicalism" Committee of the Christian Peace Conference. p.29.
Metropolitan Pimen. - The 15th anniversary of the First Universal Congress of the Supporters of Peace. p.29.
Komarov, K. - Covenants of God with mankind. p.33.
Bishop Aleksii. - Russian Orthodox Church and the Peace Fund. p.37.
Neliubov, B. - Cyprus Orthodox Church (to be continued). p.38.
Nissiotis, Nikos. - Professor Basileios Ioannides. p.44.
Kazem-Bek, A. - Session of the Executive Committee of the World Council of Churches. p.47.
Officials of the World Council of Churches visit Northern Russian monasteries and the Georgian Orthodox Church. p.54.
Bishop Aleksii. - Journey to Denmark (to be continued). p.56.
Rozhkov, V. - History of a visit. p.60.
Potapov, I. - To God the Savior. p.64.
Archbishop Leonid. - Saint Leontii, Bishop of Rostov. p.66.
Ivanov, N. - Quadricentennial of the Russian printed "Apostle" (conclusion). p.68.
About the text of the "Apostle" printed in Moscow in 1564. p.77.
Octoichos. p.79.

No.7, 1964.
Table of contents translated:
Edicts of His Holiness Patriarch Aleksii to Archbishop Daniil and Bishop Onisofor. p.1.
Message from His Holiness Athenagoras, Patriarch of Constantinople, to His Holiness Patriarch
[illegible] p.1.
[illegible] Patriarch
[illegible]
Exchange of telegrams between Patriarch Aleksii and Pope Paulus VI. p.11.
Congratulations from His Holiness Patriarch Aleksii and His Eminence Metropolitan Nikodim to Dr. J. Hromadka on the occasion of his 75th birth-
Orthodox Mission in Jerusalem. p.22.
News from the dioceses. p.26.
Anchorite Archimandrite Mitrofan, obituary. p.31.
Archpriest Nikolai Aleksandrovich Ponomarev, obituary p.32
Obituaries. p 32.
Sermon delivered by Nikodim, Metropolitan of Leningrad and Ladoga, at the Saint Nicholas-Epiphany Cathedral on May 4, 1964. p.33.
On the occasion of the 50th anniversary of the beatification of Saint Pitirim, Bishop of Tambov. p.36.
Sokolovskii, P. - Meeting of the Committee "Peace and abuse of Christianity" of the Christan Peace Congress. p.37.
Sokolovskii, P. - Meetings of the working committee of the Christian Peace Conference in Holland. p.38.
Komarov, K. - Bestowal of peace in Christ's redemption. p.40.
Neliubov, B. - Cyprus Orthodox Church (conclusion). p.47.
Bishop Aleksii - Journey to Denmark (conclusion). p.52.
Archimandrite Dionisii. - The joy of communion. p.57
Zabolotskii, N. - Preparation for the Fourth Conference in Nyborg (to be continued). p.61.
Novosad, N - Saint Lazarus, Prince of Serbia. p.67
Preobrazhenskii, S. - Church of Sweden. p.70.
Book about Saint Nil Sorskii in German. p.76.
Vladimirov, V. - "Studii Teologice," journal of theological institutes of the Rumanian Patriarchate, nos.1-2, 1963 p.78
day. p.11.
Publication of volume 4 of sermons, speeches, addresses, and messages of His Holiness Patriarch Aleksii. p.12.
Brief news. p.13
Services of His Holiness Patriarch Aleksii. p.14.
Address of His Holiness Patriarch Aleksii upon bestowing the prelatic crosier on Antonii, Bishop of Belgorod-Dnestrovskiy. p.15.
Nomination and ordination of Archimandrite Antonii (Mel'nikov). p.17.
Rozhkov, V. - Defense of a dissertation for the master's degree at the Moscow Theological Academy. p.19.
Father Superior Germogen. - News from the Russian

No.8, 1964.
Table of contents translated:
Edict of His Holiness Patriarch Aleksii to Aleksii, Bishop of Tallinn and Estonia. p.1.
Edicts of His Holiness Patriarch Aleksii. p.1.
Decisions of the Holy Synod. p.1.
Exchange of messages between His Holiness Patriarch Aleksii and Archbishop Gunnar Hultgren. p.2.
Message from His Holiness Patriarch Aleksii to Moscow theological schools on the occasion of their 20th anniversary. p.4.
Message of greetings from His Holiness Patriarch Aleksii to the Russian Church Mission in Jerusalem. p.5.
Message from His Holiness Patriarch Aleksii to the members of the Second All-Christian Peace Congress. p.6.
Delegation of the Russian Orthodox Church to the Second All-Christian Peace Congress. p.7.
Brief news. p.8.
Services of His Holiness Patriarch Aleksii. p.10.
Nomination and ordination of Archimandrite Iona as Bishop of Astrakhan and Yenotaevsk. p.10.
Vas'ko, A.G. - Arrival of Bishop Nikodim (Rusnak) at the Argentine diocese. p.14.
Ostapov, A. - A memorable day at the Moscow Theological Academy and Seminary. p.16.
Kravchenko, A. - End of the academic year at the Odessa Theological Seminary. p.20.
News from the dioceses. p.22.
Professor G.P.Mirolіubov; obituary. p.24.
Troparion and short hymn to the glory of Saint Serafim Sarovskii. p.26.
Ovsiannikov, V. - Sermon on the holy image not made with human hands. p.28.
Kuz'minov, L. - "You have not abandoned the world after the Assumption." p.30.
The Second All-Christian Peace Congress. p.32.
Telegram from the Second All-Christian Congress in Prague to N.S.Khrushchev, Chairman of the Council of Ministers of the U.S.S.R. p.35.
N.S.Khrushchev's answer to the greetings from the Second All-Christian Congress. p.36.
Telegram from U.Thant, Secretary General of the United Nations, to the Second All-Christian Congress. p.37.

Message from Archbishop Makarios, President of Cyprus, to Nikodim, Metropolitan of Leningrad and Ladoga, Vice-President of the Christian Peace Conference. p. 37.
Decisions of the Second All-Christian Peace Congress. p. 58.
Speech of Nikodim, Metropolitan of Leningrad and Ladoga, at the opening of the Second All-Christian Congress. p. 42.
Borovoi, V. - The problem of coexistence as a covenant *of life and peace (secondary report at the* Second All-Christian Peace Congress). p. 44.
Epifanii Norochel - Representatives of Rumanian youth in Russian theological schools. p. 56.
Zabolotskii, N. - Preparing for the Fourth Nyborg Conference (conclusion). p. 59.
Nachla, L. - Church of Sweden and the ecumenical movement. p. 59.
Kruglik, D. - Birth of John the Baptist, precursor of our Lord. p. 69.
Spasskii, A. A. - Historian of the ancient Church, p. 72.

RUSSKO-AMERIKANSKII PRAVOSLAVNYI VESTNIK. THE RUSSIAN AMERICAN ORTHODOX MESSENGER. Organ of Mitropolichii okrug Russkoi Pravoslavnoi TSerkvi v Amerike [Metropolitanate of the Russian Orthodox Church in America]. New York, vol. 59, no. 11, Nov. 1963.

SVITLO, THE LIGHT, Issued by OO. Vasyliiany [The Basilian Fathers]. Toronto, vol. 27, no. 10(502), Oct. 1964.

UKRAINS'KE PRAVOSLAVNE SLOVO UKRAINIAN ORTHODOX WORD Organ of the Ukrainian Orthodox Church of the United States of America South Bound Brook, N J, vol 14, nos 9-10, Sep -Oct 1963; vol. 15, nos 2-3, Feb -Mar 1964

VECHNOE [THE ETERNAL]. Paris, no. 9(201), Sep. *1964*.

VIRA I KUL'TURA, FAITH AND CULTURE, *Organ of* Ukrains'ke naukove bohoslovs'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, *vol. 27, no. 2(122)*, Dec. 1963.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo "Znannia" Ukrains'koi RSR ["Knowledge" Association of the Ukrainian S.S.R.] Kiev, vol. 4, no 9(48), Sep 1964.

4. HISTORY

a. GENERAL

CHEBOKSARY. CHUVASHSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY, ISTORII I EKONOMIKI. Uchenye zapiski [CHUVASH SCIENTIFIC RESEARCH INSTITUTE OF LANGUAGE LITERATURE, HISTORY, AND ECONOMICS. Studies]. No. 22, 1963.

Table of contents translated:
Il'demenov, V. I. - Calculating the productivity of combined agricultural labor. p. 3.
Andreev, M. A. - Guaranteed wages on collective farms. p. 14.
Maksimov, G. A. - Specialization and concentration *of stockbreeding* in the Chuvash A.S.S.R. p. 32.
Prokop'ev, I. P. - Correct selection of feeding crops as an *important* condition for increasing the production and reducing the cost of stockbreeding. p. 43.
Rusanov, B. G. - Distribution and specialization of vegetable gardening in *the Chuvash A.S.S.R.* p. 66.
Gromov, L. F. - Effect of cold on the *seed tubers of* potatoes. p. 63.
Rumiantsev, M. V. - The labor exploits of the Komso*mols and working youth of the* Chuvash A.S.S.R. during the *years of the Second World War*. p. 75.
Mikhailov, P. M. - Socialist competition among the workers of the Chuvash *industry on the eve* of the 22d Congress of the CPSU. p. 90.
Dimitriev, V. D. - *Historical documents* on the peoples in the Middle Volga Valley of the 16th and 17th centuries. p. 106.
Sidorov, P. A. - Comparing the characteristic *features* of the literacy of Chuvash population according to data of the 1897 and 1926 censuses. p. 137.
Andreev, I. A. - Certain problems of Chuvash orthography. p. 145.
Petrov, N. P. - Connecting structures in the present-day Chuvash literary language. p. 159.
Pavlov, I. P. - *Cases* in Chuvash. p. 175.
Petrov, N. P. - S. Fomin's concern for the language and *style of literary works. p. 229.*
Leont'ev, N. A. - Drama and its hero; N. Terent'ev's tragedy: The cuckoo still calls. p. 252.
Dolgov, V. A. - Aleksandr Fadeev on literary work. *p. 263.*
Grigor'ev, A. G. - The contemporary Chuvash fine arts; a brief review. p. 273.
Krasnov, N. G. - K. V. Ivanov's pedagogical views. *p. 287.*
Luchininov, S. T. - Our countryman Academician A. N. Krylov. p. 295.
Petrov, N. P. - N. A. Andreev. p. 298.
Kuznetsov, I. D. - Notes on some problems of the history of the socialist revolution in Chuvashia. p. 301.
Baskakov, *N. A.* - "Participles in the Chuvash language" by I. A. Andreev. p. 306.
Dimitriev, V. D., and others. - News. p. 316.

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Materialy i soobshcheniia Issledovatel'skogo otdela [INSTITUTE FOR THE STUDY OF THE U.S.S.R. Materials and Reports of the Research Department]. Munich, no. 51/52(179-180), Nov.-Dec. 1963.

Table of contents translated:
Fedenko, P. V - The newest textbook on the history of the CPSU. p. 5
Kruzhin, P. P - Consequences of Soviet-Chinese *discord*, based on materials of a general discussion at the Institute for the Study of the U.S.S.R. *p 22.*
Voronitsyn, S S. - Soviet sociological research in the period after Stalin's death; a critical review. *p. 35.*
Glovinskii, E. A - Soviet import of grain p. 44.
Gaenko, F. S - Workers' participation in industrial management p. 55
Teodorovich, N. A - Buddhist Church as a weapon of communist policy. p. 71.
Pis'mennyi, IU A. - Soviet concept of the comic. p. 93.
N T - The most important events in the life of churches and religious communities in the U.S.S.R., a chronology. p. 107.
R Z. - Brief review of published material in the field of Soviet studies. p. 112.
News on events in the U.S.S.R. p. 120.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. *Moscow*, vol. 9, no. 9, 1964.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MUZEEVEDENIIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF MUSEUM ORGANIZATION. Trans*actions*]. *No. 10, 1963.*

Table of contents translated.
Simkin, M. P. - Banners as historical objects and museum displays. p. 3.
Zuzykina, N. S. - Study of the social and economic conditions of the peasantry and the peasant movement in the region at the end of the 19th and beginning of the 20th century. p. 276.
Leont'ev, *F. S.* - *Analysis of the display of natural resources in local lore museums*. p. 342.

NOVAIA LITERATURA PO OBSHCHIM PROBLEMAM
EVRO
[NEW
OF T
Issue
nykh
of Social Sciences of the Academy of Sciences of the *U.S.S.R.*]. Moscow, nos. 2-5, 1964.

NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFII [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'*naia biblio*teka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no. 5, 1964.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Published by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 19, no. 5, Sep.-Oct. 1964.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 5, no. 4, Apr. 1963.

Table of contents translated:
Dmitriev, P. - The Communist Party, the *organizer* of universal military training for the working masses during the civil war in the U.S.S.R. p. 3.
Sidorenko, A. - Role of fire and maneuverability in offensive operations. p. 14.
Moskalenko, K. - From Voronezh to Kharkov. p. 25.
Fedorov, B. - Anglo-American aviation in the fight against German U-boats in the Second World War. p. 34.
Sofronov, G. - Conversation with Vladimir Il'ich. p. 52.
Heroes of the breakthrough of the enemy front. p. 55.
Isserson, G. - Notes about M. N. Tukhachevskii by a contemporary. p. 64.
German fascist military doctrine. p. 79.
Lipitskii, S. - Treatise on the history of military art. p. 89.
Grigor'ev, N. - Book about the partisan struggle in France. p. 93.
Andreev, V. - Operations of submarines in the ocean expanses. p. 99.
Myshkovskii, E. - Catalogue of an artillery historical museum. p. 103.
Vinogradov, A. - Recollection of people in a division. p. 104.
Pologrudov, N. - Hero of Yakutia. p. 106.
Shaton, A. - Heroic exploits of the Russian people in the works of the medalist's art. p. 109.
Zubov, T. - Military historical conference in the Tallinn House of Officers. p. 112.
Volkov, E. - IU. M. Shkol'skii and naval bibliography. p. 114.
Rusinov, G. - Museum of military glory of Siberian soldiers. p. 110.
Krasnikov, N., Shurygin, IA. - Last days of the life of M. I. Kutuzov. p. 110.
Kunina, D. - Uprising in the Warsaw ghetto. p. 122.
Dashichev, I. - Corps Commander V. K. Putna. p. 121.

VOPROSY ARKHIVOVEDENIIA [PROBLEMS OF ARCHIVES]. Issued by Glavnoe arkhivnoe upravlenie pri Sovete Ministrov SSSR [Main Archives Administration, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 8, no. 3, July-Sep. 1963.

Table of contents translated:
Decision of the Council of Ministers of the U.S.S.R. "Concerning measures for improving archival work in the U.S.S.R." p. 3.
Meeting of activists employed in archival institutions. p. 6.
First meeting of the Collegium of the Main Archival Department of the Council of Ministers of the U.S.S.R. p. 8.
Solov'ev, A. A. - Results of the work of Party archives in 1962 and their tasks in the light of the decisions of the June Plenum of the Central Committee of the CPSU. p. 11.
Ploshakov, S. T., Stepanskii, A. D. - Selection of documents for State preservation. p. 21.
Improving the use of documentary materials in the light of the decisions of the June Plenum of the Central Committee of the CPSU. p. 30.
Zak, L. M. - "The history of the village," A. M. Gor'kii's remarkable undertaking. p. 35.
Ardikutsa, V. E. - Increase the wealth of state archives. p. 38.
Rabinovich, M. D. - Outstanding scholarly archivists. p. 41.
Mitrofanov, N. N., Shabanov, V. N. - History of archival construction in the Vyatka Government during the first years of the Soviet regime. p. 49.
Frolov, G. T. - Work of the methodological commission of the Central State Archives of Military History; experience with the generalization of practical operations. p. 54.
Maiorov, L. M. - Preparation of illustrated anthologies and the acquisition of photographic copies of documents for secondary schools. p. 63.
Ignat'eva, V. N., Lur'e, V. G. - New developments in the work of museums of local lore. p. 71.
Rybenkov, G. I. - Description of materials in the Archives of the Ministry of Defense of the U.S.S.R. p. 75.
Poznanskii, V. S. - Selecting materials for historical research from records of an operating institution. p. 78.
Khromchenko, L. G. - Problems in bringing to light and selecting documents of collectives and shock workers of communist labor; based on materials from the State Archive of Ryazan Province. p. 81.
Organization of work in photographic sections of State archives of autonomous republics, territories, and provinces. p. 86.
Sesina, L. I. - Mechanized retrieval of information in archives. p. 90.
Belov, G. A. - International meetings of archivists. p. 100.
Sokova, A. N. - Book about the correspondence of industrial enterprises. p. 113.
Vialikov, V. I. - Two anniversary publications. p. 115.
Brief notes. p. 118.
Chronicle. p. 120.
Information about authors of articles. p. 127.

VOPROSY ISTORII [PROBLEMS OF HISTORY] Issued by Otdelenie istorii Akademii nauk SSSR and Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Department of History of the Academy of Sciences of the U.S.S.R and the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol 39, no 7, July 1964.

Table of contents translated.
Tolstov, S.P., Zhdanko, T.A. - Paths of development and problems of Soviet ethnology. p.3.
Poliakov, IU.A. - Stimulation, measure, tempo, problems of the New Economic Policy. p.21.
Krutalevich, V.A. - History of the formation of the White Russian S.S.R. p.33.
Parsadanova, V.S. - Establishment of peoples's rule in Poland. p.47.
Lebedev, N.I. - The Communist Party of Rumania was the organizer of the antifascist struggle and the victory of the armed uprising of August 23, 1944. p.60.
Vinogradov, K.B. - Conclusions from the study of the origin of the First World War. p.74.
Pashuto, V.T. - The agrarian question in Russian in the interpretation of contemporary bourgeois historiography. p.88.
Utchenko, S.L. -The formation of the Roman Empire and the broblem of social revolution. p.106.
Silin, A.S. - Academic conference on the history of the national liberation movement in the Balkans and Near East. p.119.
Bogush, E.IU, Narochnitskii, A.L. - "History of *diplomacy." Vols. 1 and 2. p.122.*
Lutchenko, A.I. - Book on three generations of shock workers. p.128.
Karevskii, F.A. - "Collectivization of agriculture in the Central Chernozem Region, 1928-1932." p.131.
Tarnovskii, K.N., Shmidt, S.O. - New book on the history of our motherland. p.133.
D'iakov, V.A. - Second birth of "Kolokol." p.138.
Bukshpan, P.IA. - "Soldier movement in the years of the Decembrists" by V.A. Fedorov. p.140.
Kabanov, P.I. - "Historiography of Siberia; 18th *century" by V.G. Mirzoev. p.143.*
Mavrodin, V.V. - "Outline history of the international relations of eastern Europe, 14th to the 16th century." by I.B. Grekov. p.145.
Israelian, V.L. - "Economic, military and political aggression of German imperialism in Rumania, 1936-1941" by A.A. Sheviakov. p.148.
Drabkin, IA.S. - "From Brest to Kiel; failure of the anti-Soviet policy of German imperialism in 1918" by A. Akhtamzian. p.151.
New books. p.153.
Articles in Soviet historical journals. p.155.
Dubov, G.V. - Seminar on the philosophical problems of the science of history. p.159.
List of dissertations submitted for the defense of the candidate of history degree in 1961. p.162.
Professional trip to France. p.166.
Brief notes. pp. 169, 203.
Khronov, I.A. - In the Historical and Philological Section of the Fifth International Congress of Slavists. p.172.
Petrunin, E.N. - "Russian social democrats in Berlin, 1895-1914; with an account of the student movement in Prussia and Saxony [in German]" by D. Brachman. p.174.
Kostiushko, I.I. - "Carrying out the peasant reform of 1864" by K. Groniowski. p.176.
Flit, IU.IA. - "History and its methods" [In French]. p.179.
Kisel'gof, I.S. - "Secrets of the propaganda in occupied France" [in French] by R.G. Nobecourt. p.183.
Table of contents of journals appearing in socialist countries. p.185.
Review of periodicals: "Annales historiques de la Revolution Francaise." p.187.
Popkov, B.S. - Struggle of the Polish Workers' Party to found a national front during the Second World War. p.192.
Pashaeva, N.M. - On the history of the collapse of the Austro-Hungarian Army in the fall of 1918. p.192
Grigor'ian, IU.M. - The West-European "Common Market: is a threat to Latin America. p.193.
Al'perovich, M.S. - Historiography of the Cuban liberation movement at the end of the 19th century. p.194.
Sivachev, N.V. - Idealization of H. Hoover's activities. p.196.
Kim, S.R. - Apologetics for British colonialism in Nigeria. p.196.
Budkevich, S.L. - Colonial prescription of a Bonn minister. p.198.
Kamenetskii, B.A. - Social and economic basis of Calvinism. p.199.
Marinovich, L.P. - Underwater archaeological expedition along the shores of Greece. p.201.
Reviews of Soviet publications. p.202.
Voronin, A.P. - Did M.V. Frunze participate in the December uprising in Moscow. p.206.
Kliatskii, S.M. - Statistical data on the mobilization of workers into the Red Army, 1918-1920. p.207.
Barabanova, A.I. - The place of N.I. Kibal'chich's imprisonments. p.211.
Aptheker, Herbert. - Transition from handicraft to *factory production in the U.S.* p.213.
Information on authors of this issue. p.216.
Vsevolod Ivanovich Dulov, obituary. p.217.
Summary of articles in English. p.218.

b. ARCHAEOLOGY & ANTIQUITIES

ARHEOLOGIJA UN ETNOGRAFIJA [ARCHAEOLOGY AND ETHNOGRAPHY]. Issued by Latvijas PSR Zinatnu akademijas Vestures instituts [Institute of History of the Academy of Sciences of the Latvian S.S.R] Riga, vol 5, 1963 [In Latvian]

MATERIAL'NAIA KUL'TURA AZERBAIDZHANA [MATERIAL CULTURE OF AZERBAIJAN] Issued by Institut istorii Akademii nauk Azerbaidzhanskoi SSR [Institute of *History of the Academy of Sciences* of the Azerbaijan S.S.R.]. Baku, vol.5, 1964. [Transactions of the Kabala Archaeological Expedition, vol. 1]

Table of contents translated·
From the editorial board. p.5.
Kaziev, S.M. - Historical and archaeological exploration of the ancient site of Kabala. p.7.
Ismizade, O.Sh. - Archaeological excavations *on the* southern part of the ancient site of Kabala in 1960. p.68.
Babaev, I.A. - Early glazed vessels from Kabala. *p.131.*
Osmanov, F.L. - Glass articles from the ancient site of Kabala; based on the excavation materials *of 1959 - 1960.* p.149.
Ismizade, O.Sh. - Glazed pottery with pottery marks from the 11th to the 14th century medieval Kabala. p.161.
Pakhomov, E.A. -Coins from the 1959 - 1960 archaeological excavations of the Kabala fortress ruins. p.178.

MOSCOW. GOSUDARSTVENNYI ISTORICHESKII MUZEI. Pamiatniki kul'tury [STATE HISTORICAL MUSEUM. Landmarks of Culture]. No. 34, 1963.
Contents: Popova, T.B. [Dolmens of the Novosvobodnaya village] Dol'meny stanitsy Novosvobodnoi. 93 p.

5. SOCIAL SCIENCES

a. COMMERCE

BOLGARSKAIA VNESHNIAIA TORGOVLIA [BULGARIAN FOREIGN TRADE]. Issued by Bolgarskaia torgovaia palata [Bulgarian Chamber of Commerce]. Sofia, vol.13, no.3, May-June 1964.

BUKHGALTERSKII UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 20, no. 12, Dec. 1963.

Table of contents translated:
Editorial: Analyze annual reports carefully. p.1.
Lukin, V. - Standard accounting with the use of electronic calculating machines. p.6.
Litovko, S. - Use the standard accounting method in *enterprises. p.9.*
Karmozina, M., Nidekker, G. - Standard method of accounting for production in a cotton-spinning *factory.* p.12.
Khimicheva, Z., Teif, M. - Standard method of cost accounting in the furniture industry. p.15.
Ratner, I. - Classification of marketing costs in supply and sale organizations. p.18.
Stepanov, V., and others. - Regulate accounting and payments for goods sold on credit. p.20.
Komkin, I. - Organization of accountants' work in an industrial enterprise. p.26.
Klimenko, V. - Increase accountants' labor productivity. p.29.
Antonov, N. - Estimated indices and actual cost. p.31.
Bobrovich, S. - Workshop work analysis. p.32.
Obraztsov, E. - Our practice in machine accounting. p.33.
Lebedev, K., Smirnov, E. - Mechanize production accounting. p.40.
Miletkovskii, L. - Accounting for expenditures in auxiliary production. p.45.
Sinavina, V., Naribaev, K. - Simplifying and mechanizing accounting. p.47.
Luk'ianov, A. - Simplify accounting in automotive transportation. p.50.
Strokin, N. - Accounting for materials in auxiliary workshops. p.52.
Gandlevskii, M - The journal-voucher accounting system in a public dining trust. p.54
Abdullaev, R., Sazhin, N. - Accounting for payments to fruit and vegetable suppliers. p.56.
Review of newspapers. p.59.
Mikhailova, G. - Organization of accounting for goods' sold on credit in the German Democratic Republic. p.64.
Berman, G - Review of the "Evidenta contabilă" journal. p.65.
New books. p.67.
In the Ministry of Finance of the U.S.S.R. p.69.
First interregional school of progressive accounting *practice. p.70.*
List of articles and correspondence published in the journal in 1963.

NOUKOGUDE NAINE [SOVIET WOMAN] Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no 8, Aug 1964. [In Estonian]

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION] Issued by TSentral'nyi soiuz potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R]. Moscow, vol. 8, no 5, May 1964

Table of contents translated:
All-Union conference of the cooperative societies' procurement workers of the U.S.S.R. p.1.
Hand in hand with the trade union. p.21.
Zametin, I. - In the same work rhythm. p.23.
Shakun, N. - Man comes before all (to be continued). p.25.
Trishchenkov, M. - Day of a salesclerk. p.29.
Gerda, V. - On the industrial track. p.31.
Dmitriev, V. - For close contact with life. p.34.
Stoliar, I. - What a salesclerk must know. p.36.
Blinovskaia, A. - Our school enterprises. p.37.
Under the control of the community. p.39.
Editor's mail. p.40.
Zhikharev, S., Aleksandrov, IU. - Let's improve mail-order business. p.42.
Khokhlov, V. - *One of the first.* p.45.
Garelik, M. - Products of every-day chemistry. p.47.
Shoikhet, M. - Balance of a cooperative society. p.49.
Aganin, M. - Growth of the cooperative movement in the United Arab Republic. p.59.
Sloane, Pat. - One hundred thirty years later. p.62.

TORGOVLIA ZA RUBEZHOM, organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service] Moscow, no 8, Aug. 1964

VNESHNIAIA TORGOVLIA [FOREIGN TRADE]. Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 44, no. 6, 1964.

Table of contents translated:
Trade is the way to draw peoples together. A.I. Mikoian's statement at a meeting with Kansai region *businessmen. p.3.*
Gorev, I. - Peoples' interests are above all. p.5.
Korotkova, E. - Some aspects of inter-African trade development. p.7.
Sharkov, A. - Japan's foreign trade problems. p.11.
Zaitsev, B. - Agreement with Algeria in operation. p.16.
TShetsjakovski, V. - Model of a current optimization of foreign trade and its application. p.20.
Elizarov, V. - The aluminum market. p.29.
Efimov, S. - Facts refute fabrications. p.33.
Stoliarov, M. - Soviet machine tools abroad. p.36.
Bogdanov, Kh. - Great prospects of Central Asia. p.40.
Al'tshuler, A., Volkov, L. - Letter of credit in international accounts. p.47.
Selikhov, E. - Old positions are reconsidered. p.52.
Fil'shtinskii, S. - Contradictions again.... p.55.
Liubimov, N. - "The Common Market" is a weapon of monopolies. p.58.
Piskoppel', F. - A thorough study. p.60.
Announcements. p.64.

Vol. 44, no. 7, 1964.

Table of contents translated:
In the interests of further expansion of Soviet-Japanese economic relations. Meeting of the Delegation of the Supreme Soviet of the U.S.S.R. with the representative of Japanese business circles. p.3.

At the United Nations Conference on Trade and Development.
To justify the aspirations and confidence of nations. Address of N.S. Patolichev, Head of the U.S.S.R. Delegation, Minister of Foreign Trade of the U.S.S.R. at the United Nations Conference on Trade and Development. p. 9
Kutuzov, V. - Important principle of international trade. p.13.
In the name of fraternal friendship. p.17.
The cooperation between the peoples of the U.S.S.R. and the United Arab Republic is getting stronger. p.18.
The term of agreement is extended. p.20
Semichastnov, I. F. - The export of ships is growing. p.20.
Georgiev, F. - Problems of efficiency and profitability. p.21.
Kadyshev, V. - On the path to a total victory of socialism. p.24.
Nosko, P. - A new system of accounts. p.28.
Zmeev, A. - Expansion of monopolies in African markets of machinery and equipment. p.32.
Gens, L. - Japan's radio goods in world markets. p.36.
Blagodarev, I. - Rich resources of Tajikistan. p.41.
Bassein, IU. - Original invention. p.43.
Vasiun'kin, M., Korol'kov, S. - Mechanized tunneling shield. p.44.
Exhibitions in Moscow. p.46.
Menzhinskii, E. - Problems of the Common Market. p.48.
Frei, L. - The foreign economic policy of the U.S.A. p.52.
Trade agreements of the U.S.S.R. p.56.
Announcements. p.57.

ZAKUPKI SEL'SKOKHOZIAISTVENNYKH PRODUKTOV [PURCHASES OF AGRICULTURAL PRODUCTS]. Issued by Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee of Procurements of the Council of Ministers of the U.S.S.R.]. Moscow, no.1, Jan. 1964.

Table of contents translated:
Campaign for large-scale chemistry. p.1.
Platonov, A.N. - The year 1964. p.4.
Irgashev, Kh. - The cotton of Uzbekistan. p.7.
Tret'iakov, T. - There will be three million poods of grain instead of the past one million. p.12.
Rakitin, P. - With the participation of large masses. p.14.
Sabzaskii, M. - It's up to you, Kuban beet growers! p.16.
Kuznetsov, A. - After it has been summed up. p.19.
Bespakhotnyi, G. - Beet zone of the sugar refinery. p.22.
Shushakov, A., Gorlacheva, V. - The government order is a law to the collective farm. p.24.
Tolmachev, I. - The milk yield increases and so does the procurement of milk. p.27.
Al'pert, A. - Commercial processing of flax straw. p.29.
Vinogradova, M. - Save every ruble, take into account every kilogram. p.33.
Klykov, V. - These are our goods. p.34.
Glukhov, M. - A beacon in the steppe. p.37.
Mikhailov, P. - Beef and meat. p.40.
Kurmanbaev, Sh. - This is not a minor question. p.42.
Gurevich, A. - Deductions in the settlement of payments for potatoes. p.44.
Tumanisev, A. - Forests are a rich source of welfare. p.46.
Kosunov, O. - We are training specialists of mass professions. p.48.
Mikhailov, P. - This is how the cooperators work. p.50.
The party and government control in action. p.52.
Karpunin, N. - The first results are encouraging. p.54.
Murashko, V. - The documents ought to be simpler. p.55.
Guliaev, I. - Why are the hunters neglected? p.56.
Novosel'tsev, P. - Well done. p.56.
Khalabudenko, I. - Use feeds savingly. p.57.
Kalgorodov, P. - Seminar for fur farmers and the purchasing officials of consumers' cooperatives of the Ukraine. p.58.
Aleksandrov, P., and others. - Prickly lines. p.59.
Khludeev, K., Vladimirov, G. - New developments in government purchases. p.61.
Talgin, S. - For the inquisitive. p.63.
Kolranskii, B. - Beware of colds. p.64.

b. ECONOMICS

AKADEMIIA NAUK SSSR. Nauchnyi sovet po effektivnosti osnovnykh fondov kapital'nykh vlozhenii i novoi tekhniki. Sbornik nauchnoi informatsii [ACADEMY OF SCIENCES OF THE U.S.S.R. Scientific Council on the Effectiveness of Capital Investment Funds and New Technology. Scientific Information]. Moscow, no.4, 1963.

Table of contents translated:
Khachaturov, T.S. - Establishing standard coefficients for the efficiency of capital investments. p.3.
Krasovskii, V.P. - Developing norms for specific capital expenditures. p.18.
Beschinskii, A.A. - Economic nature of the efficiency coefficient and the factors of its branch differentiation. p.28.
Vainshtein, B.S. - Actual efficiency of capital investments in the building and the building materials industries. p.34.
Iskakov-Pliukhin, B.I. - Using mathematical methods in the analysis of the economic efficiency of the capital investments and capital assets of an agricultural enterprise. p.56.
Detkov, G.S. - Determining the efficiency of capital investments in relation to the national economy. p.79.
Shuster, A.I. - Determining the economic efficiency of new equipment where there is an increase in the volume of production. p.88.
Coordinating conference on the research plan for 1963. p.93.
Statements at the coordinating conference. p.93.
Directive of the coordinating conference on the research plan for the economic efficiency of capital assets, capital investments and new equipment for 1963. p.116.
Zaitseva, T.A. - Work of the Section of the Economic Efficiency of Capital Investments and New Equipment of the Institute of Economics of the Academy of Sciences of the U.S.S.R. p.120.
Volkova, T.P. - Methods for determining the economic efficiency of capital investments and new equipment. p.123.
Vasil'ev, G.A. - Increase the economic efficiency of new equipment. p.127.
Literature on the economic efficiency of capital investments and new equipment for 1961-1962. p.133.
Works on the economic efficiency of capital investments, capital assets and new equipment published in the Czechoslovak Socialist Republic in 1960 - 1962. p.138.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol.35, no.6, June 1964.

Table of contents translated:
Editorial: Over-all mechanization should be introduced widely. p.1.
The Leninist principles of agricultural planning should be strictly observed. p.8.
Zinchenko, G. - Toward abundance on the basis of intensification. p.12.
Obolenskii, K. - Economic problems of using fertilizers. p.18.
Kolomeitsev, G. - The masses are acquiring the knowledge of economics. p.26.
Intensification is the main path to the upsurge of agriculture. p.32.
Levchuk, V. - Amortization deductions and their use on collective and state farms. p.45.
Popov, I. - The optimal use of resources. p.51.
Kostylev, V., Ivanov, A., Overchuk, V. - For a comprehensive use of chemicals. p.59.
Bgazhba, A. - From losses to profitableness. p.65.
Solntsev, K. - Economic efficiency of using feed antibiotics. p.71.
Morozov, N. - Comprehensive mechanization of the removal of manure. p.75.
Alekseev, A. - Eight-row cultivators for corn. p.81.
Shchepot'ko, L. - Correlate correctly the rates of productivity increase and the cattle stock. p.85.
Zapletin, V., Slabunov, V. - Basis for the distribution of production sections on collective farms. p.90.
Airumian, A., Mel'komov, S. - Improve material incentives for collective farms. p.94.
Semernoi, V. - Encourage work on heavy tractors. p.99.
Krylov, V., Soinikov, F. - Reduce the turnover of the stock of layers in poultry factories. p.100.
Trotsenko, I. - The antipeasant agricultural policy of the government of the Federal Republic of Germany. p.103.
Krotil, V. - Reducing production costs on the state farms of Czechoslovakia. p.108.
Klots, E. - Fattening cattle on specialized farms. p.112.
Isaev, A., Buriakov, IU. - Increase the production of vegetable oil. p.116.
Evgen'ev, E. - Album-propagandist. p.117.
Borin, E. - "The conquered virgin-land." p.118.
Kushnarev, D. - Scientists discuss the problems of agricultural intensification. p.119.
Readers suggest and advise. p.124.

EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Gosplan Soveta Ministrov Ukrainskoi SSR and Institut ekonomiki Akademii nauk URSR [State Planning Commission of the Council of Ministers of the Ukrainian S.S.R. and the Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no.6, Nov.-Dec., 1963.

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No.91, 1963. Usloviia kommercheskoi ekspluatatsii morskogo flota v zagranichnom plavanii [Conditions for the Commercial Operation of the Merchant Marine in Foreign Waters], no.6.
Contents: [Regulations, customs, and practices in the sea harbors of France, Pt. 2] Pravila, obychai i praktika morskikh portov Frantsii. Chast' 2. 104 p.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no.8(70), Aug. 1964. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no.8, 1964.

Table of contents translated:
Gantman, V., Nikonov, A., Tomashevskii, V. - World wars of the 20th century and the dialectics of history. p.3.
Aleksandrovskaia, L. - Economic development of Africa: Market and state management. p.10.
Kotov, V. - Structural movements in the economy of the German Federal Republic. p.20.
Lisovskii, IU., Factor, G. - A Gordian knot of contradictions. p.40.
Kuklina, I. - Technological progress and the amortization of capital assets in the U.S.A. p.49.
Leont'ev, L. - Changes in the cost structure of production. p.58.
Capitalism in the last 100 years (conclusion). p.61.
Zorin, Val., Ivanov, I. - Geneva: Several lessons and conclusions. p.75.
Belous, T. - International cartels today. p.85.
Tuchnin, R. - Chile on the eve of elections. p.96.
Gusev, IU. - Expansion of American capital in the Congo. p.99.
Stepanova, N. - Discords in the Conservatives' camp. p.102.
Ablina, E. - Foreign departments of France in the effort for autonomy. p.103.
Troshina, A. - Colonialism in a new guise. p.107.
Golubev, V. - Social insurance in the United States: bourgeois concepts and reality. p.112.
Domnich, M. - International Federation of Christian Trade Unions and the "Common Market." p.119.
Shchebenov, A. - The European Coal and Steel Community on the eve of reorganization. p.124.
Gerasimov, O. - Neutral zones of the Arabian Peninsula. p.129.
Pokhlebkin, V. - Greenland today. p.131.
Pegushev, A. - The National Union of the Africans of Kenya. p.136.
Naumov, I. - Criticism of modern bourgeois economics. p.140.
Sheinin, IU. - In search of a reasonable approach. p.145.
Sergeeva, I. - Investigation of an important problem. p.149.
Mirskii, G. - World capitalism and underdeveloped countries. p.151.
Economic competition of the U.S.S.R. with principal capitalist countries. p.154.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Armianskoi SSR and Institut ekonomiki Akademii nauk Armianskoi SSR [State Planning Committee of the Armenian S.S.R. and the Institute of Economics of the Academy of Sciences of the Armenian S.S.R.]. Erivan, no.6, 1964. [In Armenian]

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Is Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.6, 1964.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol.41, no.8, Aug. 1964.

Table of contents translated:
Editorial: People's labor contributes to people's welfare. p.1.
Nekrasov, N. - Several problems of industrial distribution. p.6.
IUrkevich, L., Mikhailov, S. - Specialization and disproportions in the economy of the Far East. p.16.

Smirnov, G., Zotov, B., Shagalov, G. - Evaluation of the economic efficiency of foreign trade. p. 25.
Zhukov, A. - Using the "conditional unit" method in enterprises of mass serial production. p. 32.
Shapiro, E, Tikidzhiev, R. - Calculating specific capital investments in complex productions. p. 38.
Zheludkov, A. - Potentials of the lumbering industry. p. 45.
Zel'tser, P. - Speed-up the putting of equipment into operation. p. 51.
Trusov, A. - Potentials for reducing tire industry production costs. p. 55.
Voloshin, N. - The matrix model system of intra-plant planning. p. 60.
Zagailov, I. - Use of mathematical methods in the economic analysis and planning of agricultural production. p. 66.
Kaz'min, A., Rutenberg, A. - Tasks and directions of economics laboratory work in enterprises. p. 72.
Omarov, A. - Organizational and technical measures and labor productivity. p. 76.
Zalmanova, M. - Indices of the wide use of chemistry in construction. p. 81.
Kazhlaev, A. - Utilization index of capital assets in construction. p. 82.
Fedorova, I. - Improve the bonus system for the workers of planning organizations. p. 86.
Chadaev, IA. - Useful aid. p. 88.
In the State Planning Committee of the U.S.S.R. p. 91.
In the Regional Economic Council of the U.S.S.R. p. 93.

REFERATIVNYI SBORNIK· EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 21, nos. 8-9, Aug.-Sep. 1964.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of TSentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, no. 7, 1964.

Table of contents translated:

Moskvin, P. - Indices of the physical volume of production, consumption and accumulation of the gross national product and national income. p. 3.
Savikina, G. - New standard instruction on the accounting for production in industrial enterprises. p. 11.
Simchera, V. - Method for comparing the industrial indices of socialist countries. p. 20.
Ioffe, M. - The factorization of absolute increment. p. 30.
Makhov, G. - Checking the reliability of accounting for planting acreage. p. 40.
Kokeikin, M., Smirnov, K. - From the work practice of the regional government auditing offices of the R.S.F.S.R. p. 47.
Ivanov, A., Mirzabaev, A. - Improve the economic information of local administrative organs. p. 52.
Kamaletdinov, Sh. - Organization of economic information in enterprises using electronic computers. p. 55.
Budkov, G., Gordienko, A. - From the work practice of the machine accounting station of the Statistical Administration of Volgograd Province. p. 59.
Draga, V. - For a wider introduction of standard forms. p. 67.
Ostroumov, S. - A little-known study on the subject of statistics. p. 71.
Follow-up of unpublished letters. p. 72.
Sis'kov, V. - "Statistical methods for studying the production potentials of an industrial enterprise ((elements of technological statistics)" by P.M. Rabinovich. p. 73.
Aliutin, G. - New books on statistics and accounting. p. 77.
Statistical problems discussed in newspapers and journals. p. 79.
Kuklin, V. - New documentation for the accounting of fixed assets. p. 80.
Leshchev, A. - In the permanent Committee on Statistics of the Mutual Economic Assistance Council. p. 82.
The retail trade of the U.S.S.R. in 1963. p. 85.
Achievements of the national economy of the Rumanian People's Republic in 20 years. p. 92.

No. 8, 1964.

Table of contents translated:

Important step toward further improvement of the material welfare of the people. p. 3.
Maniakin, V. - Intensification of agricultural production and tasks of agricultural statistics. p. 8.
Krakovskii, A. - Accounting for the use of equipment in machinery manufacturing. p. 20.
Nagovitsina, L. - Specialization of trade organizations and progressive trade forms. p. 29.
Pavlov, V. - New instruction of the Central Statistical Administration "On the composition of the wage fund of workers and employees. p. 35.
Kon'kov, A., Makhov, G. - Reports on the state deliveries of raw cotton and checking their reliability. p. 43.
Kagan, L. - Economic analysis should be at the center of attention. p. 48.
Baturin, A. - We are struggling for the title of a communist labor collective. p. 51.
Khristovoi, A. - Control the presentation of reports on time. p. 52.
Nechaenko, M., Illarionova, V. - Practice in machine processing of statistical reports on agriculture. p. 59.
Gorbatov, N. - Comrade I. Karpov's suggestions. p. 62.
Mindolin, G. - Measuring the correlation between the population's monetary expenditures for the purchasing of goods and its monetary income. p. 63.
Koshliak, I. - "Machine accounting in agriculture" by M.M. Rapoport. p. 65.
Timoshovskii, G. - "Statistical yearbook of the Czechoslovak Socialist Republic for 1963." p. 68.
Statistical problems discussed in newspapers and journals. p. 72.
Podlutskii, K. - In the Collegium of the Central Statistical Administration of the U.S.S.R. p. 74.
Statisticians of the Cuban Republic in the Soviet Union. p. 78.
Gur'ev, V. - New standard forms of original accounting for the production in the coal and slate industries. p. 76.
A.K. - Conference of the workers of the statistical organs of Ryazan Province. p. 81.
A.IA. - The Demographic Section of the Moscow House of Scientists has started to work. p. 83.
Seminar on the organization of statistics in the U.S.S.R. p. 85.
Number of workers and employees, use of calendar time and wage fund composition in industry. p. 86.
Achievments of the national economy of the Bulgarian People's Republic for 20 years. p. 90.

c. FINANCE

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 38, no. 6, June 1964.

Table of contents translated:

Editorial: Improve the economic work of financial organs. p. 3.
Khalilov, K. - Financial and administrative operation of chemical enterprises and the control of financial organs. p. 8.
Slavnyi, I. - Important practice in the further development of the bonus system. p. 13.
Arpent'ev, V. - New development in school services. p. 20.
For economy and thrift:
  Agre, A. - Ways to eliminate the dispersion of resources in marketing. p. 25.
  Matvienko, V. - Reduce the method of construction by resources within an industry. p. 29.
Atlas, M. - Several problems of financial planning. p. 33.
Dronov, F. - Encourage cost reduction for the repair of equipment. p. 41.
Kellerman, B. - Accounting prices and strengthening of business accounting in the cement industry. p. 44.
Bulushev, Sh., Marinich, I. - Introduce more widely the financing of capital investments from centralized accounts. p. 47.
Sakharov, E. - Economics faculty attached to the ministry. p. 50.
Vernigor, V. - Planning the turnover of goods and profit in a consumers' cooperative. p. 53.
Pytina, M. - Give more attention to workers' complaints and applications. p. 57.
Gromov, S., Androshchuk, E. - From a practice of committees for efficiency promotion. p. 60.
Zadorozhnyi, V. - A concrete aid to collective farms. p. 61.
Gorodnicheva, A. - Economize in everything. p. 62.
Replies to the editor. p. 62.
Gribanov, A. - Sprouts of the new. p. 64.
Akodis, I. - Method for analyzing the administrative and financial operations of enterprises manufacturing tires and industrial rubber goods. p. 67.
Novotnyi, V. - Financing and issuing credit to unified agricultural cooperatives in Czechoslovakia. p. 74.
Anisimov, A. - Military expenditures of the countries of NATO for 15 years. p. 83.
Larionov, K. - Erroneous points of a booklet. p. 87.
New books. p. 93.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol 7, no. 5, 1964

Table of contents translated

Our May Day. p. 1.
Letavet, A. - Major chemical industrial complexes and industrial hygiene. p. 2.
Medved', L. - Science of hygiene and industry. p. 5.
Egorov, B.S. - Contribution of socially useful work as the mark of the Soviet man. p. 9.
Snigireva, I. - What a labor passport should be like. p. 9.
No accidents on construction sites! p. 11.
Let's inculcate good labor conditions in agriculture. p. 15.
Shevtsov-Raevskii, V. - For the complete elimination of accidents. p. 17.
Liubimov, B. - Beauty of life. p. 20.
Bilibin, A.F., Zhukovskii, M.A. - How to prevent gastrointestinal diseases. p. 22.
Shvili, V. - Music and efficiency. p. 24.
Results of an important talk. p. 26.
"We wish you a pleasant rest and successful treatment." p. 28.
Gordasnikov, V. - To have a good rest means to benefit from it. p. 30.
Rulev, N. - First steps. p. 31.
Glebov, B. - Active help. p. 32.
Popov, N. - Rural voluntary inspectors. p. 33.
Morozov, A. - Conditions of work have improved. p. 33.
Lapina, N. - Children should have a healthy rest. p. 33.
Khomenkov, V. - Our practice. p. 34.
They are the masters. p. 35.
Krupnikov, A., and others. - A year has passes, and what has changed? p. 37.
Stepanov, I. - Compensation procedure for the disbursement of temporary disability grants. p. 41.
Vinogradov, N. - Respirators of increased reliability. p. 42.
Kazakevich, P. - Safety measures while working with pressing equipment. p. 43.
Livshits, L. - Safety screen for a centrifuge. p. 46.
Novikov's liquid. p. 46.
In the All-Union Central Council of Trade-Unions:
  Let's increase the pecuniary interest of pensioners in industrial work. p. 47.

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda." Moscow, no. 7, July 1964.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by TSentral'ny Kamitet Komunistychnae partyi Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 40, no. 7, July 1964.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 20, no. 14(296), July 1964.

Table of contents translated:

Editorial: Give trade-union support to technological creativeness. p. 2.
Guseinov, K. - Unity is a firm basis of the international labor movement. p. 4.
Siludanov, V. - Seekers and fighters. p. 8.
A seven-hour assignment in six hours; a photo report. pp. 10, 12.
Kublanov, A. - This is the active propaganda. p. 11.
Fridman, V. - Work and living conditions are inseparable. p. 14.
Piliugin, B. - Control and help the designer. p. 16.
Zabolotnyi, A. - Gain is obvious. p. 18.
Alekseev, V., Naumov, S. - Plant begins with a design. p. 21.
Myznikov, A. - The plant committee and physical education. p. 24.
Shikhaleev, M. - The "wave" gathers strength. p. 27.
Gorovoi, V. - The 46th. p. 29.
Smurygin, V. - Attention, callisthenics in industry! p. 30.
Il'inskii, N. - Don't forget about us. p. 32.
Andriianov, V. - Take over the work, Nina! p. 32.
Sugak, E. - The instructor on a business trip. p. 34.
Vznuzdaeva, A. - The worker hurries to a meeting.... p. 36.

[illegible]
[illegible], I. - [illegible]unist labor schools. p.36.
[illegible], M. - [illegible] and the standards of con[illegible] p.3[illegible].
[illegible], I. - [illegible] brigade leaders. p.38.
[illegible], V. - [illegible] land of song, a sketch. p.40.
[illegible] readers' questions. p.43.
[illegible] regulations. p.43.
[illegible], V. - If the pensioner works. p.44.
[illegible], A. - [illegible], what is it like? p.46.
[illegible], S. - Tr[illegible]. p.47.
[illegible]tal', A. - Selection of an opening move. p.48.
Satire and humor. p.49.

Vol.2[illegible], no.15([illegible]7), Aug. 1964.
Table of contents translated:
[illegible] the service industry! p.2.
[illegible], T. - The service industry is controlled [illegible]. p.4.
Ar[illegible], I., Kar[illegible], IA. - The factory lights go out at [illegible]. p.6.
[illegible], F. - For equal rights for working women. p.1[illegible].
[illegible], K. - Let us study, creators of chemistry. p.12.
Kuril[illegible], V. - There are no fixed ways. p.15.
Power generating plants of the world; a photo report. p.18.
[illegible], S. - How we achieved the year-round employment of workers. p.20.
[illegible], A. - The health army volunteers. p.22.
[illegible], L. - Budget of kind deeds. p.23.
G[illegible], IA. - Physicians' reliable aids. p.25.
Pa[illegible], N. - Diseases are disappearing... p.27.
Kharchenko, G. - Who gets a travel pass? p.28.
[illegible], Z. - Good luck, "Chaika"! p.30.
All[illegible], P. - Creative cooperation. p.30.
[illegible], M. - With words and deeds. p.31.
Ko[illegible], L. - Teller's authority. p.31.
Gleb[illegible], V. - Facing destiny. p.32.
[illegible]enskii, G. - A source of strength and cheerfulness, a photo report. p.34.
S[illegible], B. - Art educates. p.36.
[illegible]inova, A. - Revenge for insubordination. p.39.
We are in agreement about the most important thing. p.40.
Kontakhin, L. - Labor contract with motor vehicle drivers. p.42.
Remarks and comments. p.43.
Payment for idle time and faulty production. p.44.
Parshina, N. - "Guarding the workers' interests." p.45.
Anatoliev, A. - Let us start on a journey, friends. p.45.
Lilienthal', A. - Business and chess. p.46.
Kokin, L. - The automobile is our friend, but.... p.47.
Dudochkin, P. - The silent men of Udomlya. p.48.

Vol.20, no.16(298), Aug. 1964.
Table of contents translated:
Editorial Improve organizational work. p.1.
Kasarauskiene, F. - The heart rejoices. p.4.
Gorokhova, M. - Rural physician speaks. p.4.
Priakhin, T. - Thank you, party. p.5.
Chernoshei, V. - If you value your honor... p.6.
Dzekh, N. - The key to hearts is tactfulness. p.8.
Dobriakov, IU. - Steel and characters. p.10.
Kirsanov, I. - In the workshop, school and family. p.13.
Eventov, A. - The show-off. p.14.
Fedoseev, V. - Innovations under the shelf. p.16.
From the editor's mail. p.18.
Pastukhov, E. - Bosses, not dependents. p.20.
Nikanorov, V. - Factory, store and customer. p.22.
A forest tale, a photo report. p.24.
Pershin, A. - Your calmness is incomprehensible. p.26.
Cnechik, B. - Guarding the law. p.29.
Filatov, A. - A man is born. p.30.
Statnikov, S. - "Hornet nests" are crumbling. p.32.
Kondiukova, P. - The foreman's library." p.34.
Zhidkov, V. - Pure soul. p.36.
Loga-Sowinski, Ignacy. - The path of peace, labor and socialism. p.38.
Nikitinskii, V. - Where labor disputes are solved. p.42.
The editor of the journal replies to its readers. p.45.
Daily life, health, occupation. p.46.
Chess. p.47.
Satire and humor. p.48.

VSEMIRNOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirnaia federatsiia profsoiuzov [World Federation of Trade Unions]. Moscow, no.6, June 1964.
Table of contents translated:
The W.F.T.U. is a loyal defender of the interests of women workers. p.1.
Sarr, Moustapha. - Fruits of Algerian springtime. p.4.
Let us strengthen active solidarity with the workers and people of South Vietnam! p.9.
Appeal to develop the solidarity of mass actions on the occasion of the forthcoming 10th anniversary (July 20, 1964) of signing the Geneva Agreements on Indochina. p.12.
Hidden aspects of a coup d'etat. p.13.
Carrera, Jeronimo. - The United Workers Center of Venezuela serves the workers' interests. p.16.
Duhamel, Rene. - Unity of actions is a guarantee of success. p.19.
Saillant, Louis. - Reflections on May 1. p.23.
Giulianatti, Sergio. - For a new collective agreement. p.26.
Kacirek, Bedrich. - Fruitful cooperation of the two trade-union centers. p.29.
Peniche Fortress prisoners accuse.... p.32.
Dazy, Helen. - Protect education from monopoly attack. p.34.
Krause, Dagobert. - Successful realization of the unity of trade-union action. p.38.
Hanson, B. - Under the badge of the struggle for the unity of the miners of the entire world. p.41.

e. SOCIOLOGY

AZERBAĬCHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, nos. 7-8, July-Aug. 1964.

KAZACH'IA ZHIZN' [COSSACK LIFE]. Issued by Vtoroi otdel Kazach'e-amerikanskogo narodnogo soiuza [Second Division of the Cossack American National Alliance, Inc.]. Providence, R.I., vol.12, nos. 132, 135, Feb., May 1964.

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 15-16, Aug. 1964.

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukrains'ka respublikans'ka rada professiinykh spilok and Spilka radians'kykh pys'mennykiv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol.19, no.7(223), July 1964.

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol.41, nos.15(893), 17(895), Aug.-Sep. 1964.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R.S.F.S.R.]. Moscow, vol.24, no.12, Dec. 1963.
Table of contents translated:
Dolgov, K.M. - Selection and training of personnel is an important task. p.1.
Comments by Ministers of the Union Republics. p.4.
Milov, E - There is no end of work ahead. p.10.
Berezin, A. - His work is approved. p.14.
Khainovskii, IA. - They serve as a model p.15.
Kozyrev, V. - Deputies are the first assistants. p.24
Leont'ev, V. - Grafters and loafers. p.27.
Piniaeva, L - Friends helped p 31.
Melikova, M. - Specialization is the basic method. p.32.
Ziazin, I. - Figures are not particularly encouraging. p.34.
Borovikova, M., Ivanov, N. - Let's not retreat before difficulties. p.37.
Karaseva, N. - The council must work. p.39.
Krivorukov, A. - Work is diminishing.... p.42.
Puzanov, E. - Collective as a teacher. p.42.
Aksenov, L. - Old system should be changed. p.44.
Semidetova, P. - Our friends are coming to us p.46.
Durnev, D - These are not trifles. p.49.
Smirnov, S - Uzbekistan. p.54.
Smirnova, G - Pension payments to children, brothers, sisters and grandchildren, who are 16 years old, in cases of the loss of the provider. p.58

SOVET TURKMENISTANYNYN AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, nos.5(131)-6(132), May-June 1964. [In Turkmen]

SOVETSKAIA ZHENSHCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol.20, no.8, 1964.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no.8, 1964.

ZMINA [THE YOUNGER GENERATION]. Issued by TSentral'nyi komitet Lenins'koho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos.8(137)-9(138), Aug.-Sep. 1964.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no.10, May 1964.
Table of contents translated:
Editorial: Patriotism shown by deeds. p.3.
Stepakov, V. - Let's improve the political work in the village. p.6.
Seiful'-Muliukov, F. - Aswan, the symbol of friendship. p.11.
Large-scale chemical industry in Bulgaria p 14
Peres, J., Dias, F. - In the avant-guard of the class struggle. p.15.
Some aspects of the internal life in the Communist Party of China. p.19.
Poster honoring a propagandist. p.25.
Smirnov, I. - Two routes. p.27.
Moskovskii, P. - Motion pictures in aid of propagandists. p 31.
Kiril'chuk, F. - Light in the window. p.34.
Chousov, N. - Men make the earth generous. p 39
Galich, I. - Improved Gissar sheep. p.43.
Kochkina, N. - On the road to complete mechanization. p.45.
Kravchuk, V. - Figures speak of potentialities p.46.
Zykov, N. - Racing against time. p.49
Estaf'ev, A. - U.S.A: Old myths and a new reality. p.52.
Bocharnikov, V. - The fine Soviet man; notes of a reporter. p.54.
Naumov, IU. - Propagandists of Soviet legality. p.57.
Chalin, M. - Fundamentals of communist ethics p.58.
Letters, information, commentaries. p.60.
Dictionary of chemical terms. p.63.
Miscellanea in brief. p.64.

BLOKNOT AGITATOTA [THE AGITATOR'S NOTEBOOK]. Issued by Ideologicheskie otdely Vladimirskikh promyshlennogo i sel'skogo obkomov KPSS [Ideological Sections of the Vladimir Province Industrial and Agricultural Committees of the Communist Party of the Soviet Union]. Vladimir, nos.5(183), 12(190), May, Dec. 1963.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol.20, nos.8-9, Aug.-Sep 1964 [In Estonian]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol.43, no.8, Aug. 1964. [In Kazakh].

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania] Vilnius, vol.42, nos.7(481)-8(482), July-Aug. 1964

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol.41, no.10, July 1964.
Table of contents translated:
Editorial: Peaceful coexistence in practice. p.3.
On the exchange of letters between the central committees of the CPSU and the Communist Party of China:
Letter of the Central Committee of the CPSU to the Central Committee of the Communist Party of China. p.9.

Letter of the Central Committee of the Communist Party of China to the Central Committee of the CPSU. p. 20.
Art of an heroic epoch. p. 25.
Rashidov, Sh. - Building communism and the culture of everyday life. p. 49.
Neporozhnii, P. - Electric power and the distribution of production forces. p. 64.
Sominskii, V. - Completed plants should be put into full operation quicker. p. 74.
Ponomarev, K. - Features of the new style. p. 85.
Khrenov, I. - People's Poland is 20 years old. p. 91.
Prozhogin, N. - Algeria chooses socialism. p. 99.
Kozlov, S., Marinov, A. - At the battle post. p. 108.
Arzakan'ian, TS., and others. - First Marxist philosophical encyclopedia. p. 113.
Aleksandrova, Z. - Among Polish friends. p. 122.
IUr'ev, M., Nikolaev, I. - Neighbors must live in peace and friendship. p. 124.
New books. p. 127.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 38, no. 8, Aug. 1964. [In Kirghiz]

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA] Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol 20, no. 8, Aug. 1964.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 3, Mar. 1964.

Table of contents translated:
Editorial. Use all forces in the fulfillment of the program for intensifying agriculture. p. 3.
Degtiarov, V. - In the front line of the struggle for large-scale chemistry. p. 14.
Vasil'ev, I. - Utilization of the capital production assets in the mining industry of the Krivoi Rog Basin. p. 20.
Podvalkov, M. - The party committee of the production administration gathers strength. p. 28.
Lobovyk, B. - Atheism as an important feature of the scientific world outlook. p. 36.
A great revolutionary poet. p. 40.
Some words about the great bard:
    Markov, G. - Pride of mankind. p. 53.
    Smirnov, S. - The great bard. p. 53.
    Brovka, P. With Taras's songs. p. 54.
    Ryl'skyi, M. - The poet of sun and truth. p. 57.
    Sosiura, V. - Immortality; a poem. p. 59.
    Musrepov, G. - The "Baiterek" of the Ukraine. p. 59.
    Prokopchak, P. - With Shevchenko in life and struggle. p. 62.
    Jedrzejowicz, J. - His life was a heroic exploit. p. 65.
Karabutenko, I. - Nation-wide love and nation-wide appreciation. p. 69.
Steshenko, A. - On reclaimed land. p. 71.
Gorovskii, F. - Communism as a creation of the people's hands. p. 78.
Pastushenko, A. - Hidden possibilities of increasing the production of vegetables should be utilized more fully. p. 86.
Mazurkevich, A. - T. H. Shevchenko in the documents of three eras. p. 89.
Fosunenko, P. - Eternal, like the people! p. 93.

Vol. 39, no. 5, May 1964.
Table of contents translated:
V. I. Lenin's new documents: Corrections and comments on the draft of the declaration of the Soviet delegation to the Genoa Conference on March 23, 1922. Address at the Moscow Province Agricultural Congress on November 29, 1921. Directives on motion pictures. A letter to the leaders of the Social Democratic Party of Germany. p. 3.
Khrushchev, N. S. - Peace and peaceful coexistence. p. 8.
Proletarian internationalism as a banner of the workers of all countries and continents. p. 15.
Militant tasks of the rural workers. p. 41.
Bibikov, V. - Utilize the capital investments in large-scale chemistry efficiently. p. 50.
Bondarenko, V. - Attaining a higher level of organizational and political work. p. 59.
Tron'ko, P. - For a scholarly study of the history of Ukrainian cities and villages. p. 67.
Semechev, V., Kovtun, V. - The press as a mighty weapon in the struggle for communism. p. 77.
Zhurba, S. - The building of communism in the U.S.S.R. and the world socialist system. p. 86.
Dubina, A. - Open a wide road for new traditions. p. 93.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 36, no. 6, June 1964.

Table of contents translated
Editorial Let's be tireless in raising the level of ideological work. p. 3.
Marxism-Leninism is the international doctrine of communists of all countries. p. 11.
Proletarian internationalism is the banner of workers of all countries and continents. p. 28.
Kurbanov, R. - For high quality yields and output on irrigated agricultural land. p. 44.
Anpleev, A. - Along the Leninist path to abundance. p. 56.
Dul'man, A. - The principal course in the development of chemistry in Uzbekistan. p. 63.
Lunin, B. - Communist and bourgeois ideologies are irreconcilable. p. 70.
Rakhimbabaeva, Z. - Mutual exchange of spiritual wealth. p. 77.
Rashidov, G. - Tashkent, the city of glorious revolutionary and labor traditions. p. 83.
Liakhovskii, M. - The first one in the Golodnaya steppe. p. 89.
Khamidov, P. - For a fighting and meaningful atheistic literature. p. 93.

Vol. 36, no. 8, Aug. 1964.
Table of contents translated·
Editorial: The good of the people is the supreme law for the party and the state. p. 3.
Rashidov, Sh. - The building of communism and the standards of everyday living. p. 12.
Against dogmatism and vulgarization in literature and art. p. 29.
Syzrantsev, V. - An all-people Leninist university. p. 49.
Lapkin, K. - On the road to a socialist development of agriculture. p. 57.
Magzumov, B. - Public health in the Uzbek S. S. R. is one of the greatest achievements of socialism. p. 68.
Pidaev, T. - Collective propagandist, agitator and mass-organizer. p. 75.
Shukurova, Kh. - International cultural contacts of Uzbekistan. p. 79.
Vengerskii, V. - Specialization is the most important condition for the intensification of agriculture. p. 83.
IAdgarov, D. - The target of the innovators is 100 centners of grain per hectare. p. 91.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAKIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 29, nos. 7-8, July-Aug. 1964. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, nos. 8-9, Aug.-Sep. 1964. [In Ukrainian]

KOMUNISTAS [COMMUNIST]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 7(481)-8(482), July-Aug. 1964 [In Lithuanian]

LATVIAN S.S.R. Augstaka Padome Zinotajs [Supreme Soviet Gazette]. Moscow, vol 22, nos 19(2057)-24(2062), May-June 1964 [In Latvian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 43, nos. 8-9, Aug.-Sep. 1964. [In Armenian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 11, no. 9, Sep. 1964.

Table of contents translated:
Semin, N. - Collaboration of Mutual Economic Assistance Council countries and the Welfare of their peoples. p. 3.
Shavrov, IA. - A centennial accomplished in a few years. p. 12.
Shavrov, IA. - Bonn, The West, and the German question. p. 20.
Perlo, V. - Economic strategy of Washington. p. 28.
Avdeev, IU., Vladimirov, E. - Imperialist espionage consortium. p. 38.
Ivanov, K. - The national liberation movement and the noncapitalist path. p. 46.
Liubimov, N., Shemiatenkov, V. - "Race war" in the Republic of South Africa. p. 59.
Lapshev, E. - Mexican foreign policy. p. 64.
Kommentator. - When will there be results. p. 71.
Talenskii, N. - Imperialist alliances in the atomic era. p. 76.
Vidiasova, L. - The Atlantic community and European "nationalism." p. 78.
Khomutov, N. - Two aspects of European integration. p. 80.
Slobodenko, A. - The role of the European allies of the U.S. in the development of Western nuclear strategy. p. 82.
Starushenko, G. - Sovereignty and aggressive alliances. p. 84.
Kozhevnikov, F. - The atomic weapon and the problem of neutrality. p. 86.
Kuz'minov, I. - The influence of the economic factor on the position of the West. p. 87.
Morev, V. - The pre-election struggle and the influence on international conditions. p. 89.
Sanakoev, Sh. - "Collective diplomacy" and inter-imperialist contraditions. p. 91.
Mel'nikov, D. - A quarter of a century later. p. 95.
Manfred, A. - The liberation of France, history and the present. p. 102.
Gatsoev, A., Politkin, F., Khmylov, P. - Competition between the two systems and the young states. p. 112.
Korotkov, V. - War outbreaks and their torchbearers. p. 120.
Pavlenko, A. - Enemies of freedom are not quieting down. p. 122.
Lukavsky, Miroslav. - Twentieth anniversary of the Slovak uprising. p. 122.
Lapitskii, I. - Harlem tradegy. p. 123.
Bol'shakov, V. - Bokaro, a second Bhilai. p. 124.
Kartsev, A. - Unsuccessful crusade." p. 125.
Mulin, V. - Political ring in Bonn. p. 126.
Kondrat'ev, V. - New success of the democratic forces. p. 127.
Stashev, G. - Collaboration or dictate. p. 128.
Larin, O. - After the convention in San Francisco. p. 129.
Leont'ev, L. - Atomic voyage of a prime minister. p. 130.
IUr'ev, N. - Battle for independence. p. 131.
Mikhailov, S. - Petroleum and independence. p. 133.
Poletaev, B. - Japanese journalists on the rearmament of the country. p. 135.
Poliakov, V. - Collaboration or rivalry. p. 138.
Orlik, I. - Substantive study. p. 141.
Belyshev, V. - Victorious step of laboring Germany. p. 143.
The U.S. Congress and its committees. p. 144.
Grigor'ev, V. - Centers of international tension, Aden. p. 146.
Isaev, G. - Our Atlas, Malta. p. 148.
Consultation·
    Riordan, J. - The English electoral system. p. 149.
    Solov'ev, B. - The Palestine question. p. 151.
    Klement'ev, M. - Expansion of the West-German automobile monopolies. p. 152.
Countries of the world. p. 154.
Methodological advice. p. 158.
On the agenda. p. 160.

Komarova, L.A. - The principle of nonintervention and the peoples of Africa. p.40.
IAroslavtsev, V.A. - Unsound legal concepts of an urgent international problem. p.49.
Krivchikova, F.S., Menzhinskii, V.I. - Disarmament and the problem of establishing an international armed force. p.76.
Lukin, P.I - Sources of space law. p.127.
Fedorov, V.N. - History of the establishment of the United Nations Security Council, an essay in international law. p.147.
Pchelintsev, E.S. - International legal aspects of governmental co-operation in the economic and social fields based on the League of Nations materials. p.177.
Karlov, IU.F. - Present international legal status of the Vatican. p.218.
Sakun, O.F. - More on the history of the consular institution. p.237.
Goroshko, G.B. - Problem of India's membership in the British Commonwealth of Nations. p.255.
Berkov, E.A. - Russia's role in the development of international law. p.266.

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee Bulletin] Nos 12(546)-15(549), June-Aug 1964

NOVOE VREMIA [NEW TIMES] Moscow, vol. 21, no. 29(995), July 1964.
Table of contents translated
Editorial New important measures of the Soviet Government. p.1
Our commentary p.3
A.I Mikoian on Soviet-Indonesian negotiations. p 5.
Twenty years of People's Poland p.7.
Sroga, A - As the cannon thundered p.8
Tejchma, J - Twenty-year balance sheet. p.12
Kalashnik, M - How Poland was liberated p 14.
Iwaszkiewicz, J - Warsaw winter of 1945 p 16.
In memory of Maurice Thorez p 18.
Ushakov, G. - Operation "Vautour" p.20
M V.Nesterov on trade with Great Britain, interview. p 23
People and events, pp. 23, 33
Grigor'iants, A. - Bonn arithmetic, letter from the German Federal Republic. p.24.
Il'in, B - Italy, a crisis of the policy of the left-center. p.26.
Zimanas, G. - Open letter to Mr. Eisenhower p.29.
International notes p 31.
L.B - Power of spirit. p.33.
World events p.34.
The Soviet Union and Indonesia, documents and speeches (supplement). p.36.

Vol. 21, no. 30(1000), July 1964.
Table of contents translated.
Editorials: Man, state, and society. p.1.
Poland celebrates. p.3.
A.I.Mikoian, President of the Presidium of the Supreme Soviet of the U.S.S.R. p.4.
Our commentary. p.5.
A thousand issues ago. p.6.
Paleiskis, J. - The son of freedom. p.9.
People in the news: Moktar Ould Daddah. p.10.
Freeman, Harry. - The elephant goes wild; correspondence from San Francisco. p.11.
Teplinskii, B. - European Pentagons. p.16.
Emel'ianov, V. - The Soviet peace atom. p.19.
International notes. p.21.
Burchett, W. - Among South Vietnam guerillas. p.23.
Maiskii, I. - Days of ordeal; from memoirs. p.27.
Our readers write. p.30.
Morals of the "free world"; Baseball and business. p.31.
World events. p.32.

Vol. 22, no. 31(1001), July 1964.
Table of contents translated:
Our commentary. p.1.
Leonidov, A. - It does move nevertheless; on the 50th anniversary of the First World War. p.3.
Soviet proposal for a new international conference on Laos. p.4.
Suzuki, Ichizo. - My opinion on two questions. p.7.
Manolis Glezos on the Greek political situation. p.13.
Statistics of the Soviet seven-year plan. p.15.
Robeson, Eslanda. - Long, hot summer. p.16.
People and events: Bohuslav Lastovicka. p.17.
Stern, Leo. - Behind the scenes of Bonn's "eastern policy." p.18.
Kolodkov, V. - Our trade with Mexico. p.20.
I.T. - Sofia and Athens. p.21.
International notes. p.23.
Voronov, A. - Soviet gold. p.25.
Lockwood, Rupert. - The tragedy of Tahiti. p.27.
Bochkarev, IU. - The black Robespierre; book review. p.29.
World events. p.32.

Vol. 22, no. 32(1002), Aug. 1964.
Table of contents translated:
Editorial. Increase the fund of confidence. p.1.
N.S. Khrushchev on the Moscow Treaty. p.2.
Our commentary. p.3.
Sidenko, V. - Development of events in the Congo. p.4.
Sizonenko, A. - The Soviet Union and Mexico. p.6.
Sedin, L. - The foreign press on the program of the American "ultras." p.7.
People and events: Etsusaburo Shiina, U Ba Saw, Abelardo Lastra. pp.9, 15, 21.
Chilanti, Felice. - South and North. p.10.
Chernlavskii, V. - Espionage jungle. p.12.
Open letter to Chief Prosecutor Shvele E. Martinson. p.16.
Fiala, Milos. - The Karlovy Vary Film Festival. p.17.
International notes. p.19.
Pollakov, B. - Zanzibar without a sultan. p.22.
Pavlenko, A. - Mexican frescoes. p.25.
Bykhovskii, A. - Memoirs of General Mueller; book review. p.28.
Morals of the "free world": "Disturbed Americans." p.30.
World events. p.32.

Vol. 22, no. 34(1004), Aug. 1964.
Table of contents translated:
Editorial: Together with the people. p.1.
Our commentary: Warning to the enemies of Cyprus. p.2.
Rumania of our day. p.4.
Anfilov, V. - The Jassy-Kishinev operation. p.5.
Markov, A. - Through the cities of Rumania. p.8.
People and events: Asgeir Asgeirsson, Edward Ochab. pp.9, 15.
Guber, A. - Welcome Indonesia. p.10.
Bochkarev, IU. - American adventure in Africa. p.12.
As-Salty, H. - Agrarian question in Jordan. p.13.
Djermane, Rabah. - Activities of Algerian trade unions. p.16.
R.R. - New war of the Spanish succession. p.17.
Chmielewski, T. - Polish films. p.18.
International notes. p.19.
Gerasimov, O. - Aden citadel. p.21.
Vorob'ev, Evgenii. - Good people of Aswan. p.25.
Rozen, V. - Waterloo of abstract art. p.29.
Sidorov, V. - "Invisible Yankee empire"; book review. p.30.
Soviet Government statement on the convening of the Second Afro-Asian Conference. Soviet Government statement on Cyprus. Documents on the Hiroshima Conference to Prohibit Atomic Weapons. p.33.

Vol. 22, no. 35(1005), Aug. 1964.
Table of contents translated:
Editorial: September 1, 1939. p.1.
Sovremennik. - Palmiro Togliatti's remarkable life. p.3.
Kren, Jan. - Heroic pages from the history of Slovakia. p.6.
Emel'ianov, V. - What scholars are telling us. p.7.
Bezymenskii, L. - Policy tested by time; testimony of the twenty-five years of Soviet-Finnish relations. p.10.
Pakhin, N. - The new life in Mali; an interview with Madeira Keita. p.13.
As-Salty, Kh. - The agrarian question in Jordan (conclusion). p.15.
Portuondo, Jose Antonio. - The Cuban revolution and the intelligentsia. p.18.
Adrianov, R. - How to raise the efficiency of the United Nations. p.22.
International notes. p.24.
Orestov, O. - Motion pictures which alarm Great Britain. p.26.
The Canadian flag and other problems; from the editor's mailbox. p.28.
People in the news: Walter Vodak. p.29.
Brief news on international events. p.32.
Berezhkov, V. - Uneasy conscience. p.30.

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskaa partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 19. no. 9, Sep. 1964. [In Latvian]

PARTIIA TURMUSHI [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, nos. 6-7, June-July 1964. [In Uzbek]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 12, June 1964.
Table of contents translated:
Editorial: Letters of workers. p.3.
Sevriukov, V. - Increase the role of members of party committees. p.8.
Braniuk, I. - Firms, their activities and needs. p.13.
Sokolov, A. - The culture of production. p.10.
Khazin, B. - Design new equipment in the new way. p.24.
Gadzhiev, A. - School of economy and prudence. p.28.
Sarantsev, A. - Fertilizer from waste. p.30.
Pronin, I. - Central figure of the party committee apparatus. p.31.
Study of the party activist group:
Bakhmetkov, L. - Considering the character of party organizations. p.30.
Kolomin, S. - For the unity of theory and practice. p.39.
Kapyrin, V. - How can it be done better? p.42.
Correspondence with readers: Am I worthy of trust? p.44.
Rutman, A. - "Take the blame yourself," p.45.
Babadzhanova, R. - Where people live. p.40.
Semenikhin, I. - Chemistry on the screen. p.48.
Mukhin, V. - In the Dulebino library. p.50.
Pen'kovskii, G. - Ideological work of primary party organizations; Labor training. p.52.
Marche, Georges. - Fidelity to the principles of Marxism-Leninism. p.59.
IAkovlev, A. - Word and deed. p.60.
Lutovinova, K. - Aid for the lower press. p.71.
Semenov, S. - Propagandize and introduce the new. p.73.
Kalugin, G. - A dressing down instead of support. p.75.
Party news. p.78.

No 15, Aug. 1964.
Table of contents translated:
Editorial: Service industries as an important sector of the building of communism p.3.
Petty-bourgeois socialism and the leaders of the Communist Party of China. p.6.
Apro, Antal.- The most influential force of modern times. p.21.
Klimenko, V. - Trade unions and workers' education p 28.
Galanshin, K - The care for managerial workers. p.35.
Shibaev, S - Always in the front line... p.41.
Chernov, G - In the Ala-Tau tracts. p 42.
Smorodin, IA. - A valuable suggestion of the workers p.44.
Bugaev, E. - Style and methods of a committee's party work p.46
Shepelev, M. - Communists during the harvest days p.53
Abdrakhmanov, M., Anisimov, I - The party group on a collective farm. p.56.
Koshcheev, IU. - Disseminating experiences. p.57
Correspondence with readers:
Party group or Party organization? p.58.
Memorable dates and anniversaries. p.60.
IUdin, A. - Studying the population's requests p.61
Loginov, N.L. - Motion pictures dealing with the history of the October Revolution should be available for the screen. p.63.
Loginov, N. - Reaching the mind and heart of every one. p.65.
Ideological work of the primary party organizations:
Kostylev, A. - Overcoming the survivals of the past in people's minds. p.68.
People are the most important factor. p.74
Party group organizers exchange their experiences p 76.
Not the right form.... p.78.
"The party committee apparatus." p.79.
"Can he keep his party membership?" p.79.
Party news. p.79.

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 7, no. 8, Aug. 1964.
Table of contents translated:
Editorial: The supreme law of the Party. p.3.
Decision on the groups and posts to aid the committees of party-state control. p.9.
Alibaev, D. - The commitments will be carried out. p.14.
Chinnibekov, T. - Masters of the "green gold." p.17.
Tullaganov, S. - One out of four hundred. p.20.
Amanov, B. - Lights on the cotton fields. p.22.
Kazimov, V. - Party organization and socialist competition. p.24.
Ermakov, V. - Steps toward a cherished goal. p.27.
Sharipov, F. - Labor productivity is growing. p.31.
IAkovlev, I. - Our hopeful support. p.33.
Kabirov, A. - School for training Communists. p.37.
An exchange of experience. p.41.
Elections of party organs. p.43.
Aminova, R., Shapovalenko, V. - The Communist Party of Uzbekistan in the period of reconstruction and continued development of national economy. p.46.
Mamadzhanov, A. - Guardsmen of the village. p.51.

Tashtemirov, U., Akbarov, Kh. - The screen and the inward life. p.55.
Musakhodzhaev, S. - In places where people live. p.59.
Makeev, V. - Great interest in a new teaching subject. p.60.
Alekserov, IU. - Youth should be educated in revolutionary and labor traditions. p.63.
Gullamova, M. - More active attacking of religious remnants. p.67.
Against dogmatism and vulgarization in literature and art. p.71.
Ismailov, A. - Communist ranks grow. p.78.
Bogatyrev, V., Khakimov, K. - The director as educator of his collective. p.80.
Kopeechkin, A. - Each Communist should be given a party assignment. p.82.
Isaev, Kh., Babakhodzhaev, I. - Scientists' contribution to production. p.84.
Madgazin, I. - The sea calls. p.87.
Dagdzhi, T. - A test of courage. p.89.
Rustamov, T. - Across the pages of jubilee editions. p.93.
N.S.Khruschev's works published in Uzbek. p.98.
Follow-up of statements in "Partiinaia zhizn'." p.96.

PARTIINAIA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan] Alma-Ata, vol.34, no.8, Aug. 1964

Table of contents translated:
Editorial: For the good of the man. p.3.
Grain is the basis of the might of the country. p.7.
Bryzhin, A. - The tenth harvest in the Virgin lands. p.13.
Tumashev, T. - The labor campaign is being continued. p.16.
Letter of the Central Committee of the CPSU to the Central Committee of the Communist Party of China of June 15, 1964. p.19.
Miasnikov, G. - The norms are reviewed by the workers themselves. p.28.
Li, V. - Planned extravagance. p.31.
Stepanov, V. - Beside the mark. p.34.
Ledenev, M. - On the side across the Virgin land. p.38.
Mukhametkaliev, K. - Attention and care to the propagandists. p.41.
Perepelitsyn, L. - Important method in mass education. p.43.
Diberdiev, Sh. - Our comrade. p.45.
Ashimbaev, T. - Raise the effectiveness of capital investments. p.46.
Kotov, K. - Creative development of the Marxist doctrine of the state. p.49.
Dykhnov, N. - Main attention should be given to the basic problems of production. p.53.
Kabulov, Z. - Guarding the interests of the people. p.56.
Afanas'ev, I. - The first thing is to manage with economy. p.58.
Decision on the groups and posts to aid the committees of party-state control. p.61.
Kasymzhanov, B. - By a new yardstick. p.67.
Grigor'ev, A. - Face-to-face with economical production. p.67.
In step with him. p.70.
Parfenov, A., Fugleva, A. - Community aspects are entering into our life. p.74.
Mukhin, O. - So that the birds should envy us! p.77.
Party news. p.79.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol.8, no.8, Aug. 1964.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol.7, no.8(72), Aug. 1964.

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol.8, nos.28(302), 30(304), 33(307), 35(309), July-Sep. 1964.

RUSSIA (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol.27, nos.36(1226)-38(1228), Aug.-Sep. 1964.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the newspaper "Izvestiia," Moscow, nos.8(86)-9(87), Aug.-Sep. 1964.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, vol.39, no.7, 1964. [In Turkmen]

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol.36, no 8, Aug. 1964. [In Uzbek]

VISNYK. THE HERALD. Organ of Organizatsiia oborony chotyr'okh svobid Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol.18, no.8(188), Sep. 1964.

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION] Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union] Moscow, vol.8, no.8, Aug.1964.

Table of contents translated:
Temkin, IA.G. - V.I.Lenin's exposure of "left" sectarianism during the First World War. p.3.
Gorodetskii, E.N. - V.I.Lenin and the founding of centers of party historical study. p.17.
Aleksandrov, I.A., Kotel'nikov, P.I. - The cult of the personality and the authority of leadership. p.29.
Buhali, Larbi. - Does the lessening of tension represent a danger for the national liberation movement. p.44.
Vasil'ev, A.F. - Reorganization of party political work at Ural enterprises in connection with the Great Patriotic War. p.50.
Kocharli, T.K. - The history of the collectivization of agriculture in Azerbaijan (1929-1931). p.60.
Verkhovtsev, I.P. - The beginning of the labor movement and the dissemination of Marxism in Russia. p.71.
Drynina, N.I. - Glorious son of America; on the 60th birthday of Eugene Dennis. p.82.
Poliakova, E.I., Masal'skaia, A.S. - Anna Il'inichna Elizarova -Ul'ianova; on the 100th anniversary of her birth. p.85.
Kaganova, R.IU. - Glorious banner of the Commune. p.89.
Kochiashvili, K.M. - From the revolutionary past. p.92.
Sergeev, M.A. - From the practice of the leadership of the CPSU in the noncapitalist development of the small peoples of the Soviet North. p.98.
Kuz'min, V.I. - The beginning of mass socialist competition. p.106.
Savitskaia, R.M. - Books of recollections about V.I. Lenin. p.111.
Kol'tsov, P.S., TSertsvadze, M.V. - The Communist Party of Georgia in the building of socialism and communism. p.115.
Konstantinov, A.P. - Heroic pages. p.120.
Voevodin, P.I. - Fine beginning. p.124.
Karasev, A.V., Sinitsyn, A.M. - Book about the international solidarity of foreign workers with the peoples of Soviet Russia. p.128.
Salychev, S.S. - Against the regime of personal rule. p.132.
Annotations. p.134.
Review of foreign historical - party journals. p.141.
Documents and articles on the history of the CPSU and the international communist and labor movement published in journals, studies, collections and transactions in June, 1964. p.144.
Iakrov, M.V. - Coordination of historical and party research in the country. p.149.
Malysh, A.I. - Trip to the Amsterdam International Institute of Social History. p.154.
Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scientific research on the history of the party. p.156.

Vol.8, no.9, Sep. 1964.

Table of contents translated:
Program of the CPSU put into practice. p.3.
Krasin, IU.A. - Methodological problems of the Leninist theory of socialist revolution. p.12.
Hundredth anniversary of the founding of the First International. p.28.
Duclos, Jacques. - From the First International to the present-day communist movement. p.30.
Bakh, I.A., Kunina, V.E. - Creative principles of Marxism in programs of documents of the First International. p.42.
Kolpinskii, N.IU., Mosolov, V.G. - Contemporary bourgeois and reformist falsifiers of the history of the First International. p.55.
Documents from the history of the German labor movement during the period of the First International. p.67.
Shields, Art. - Militant vanguard of U.S. workers. p.81.
Konstantinov, O.M. - Forty-five year struggle for the interests of Mexican workers. p.85.
Vol'fson, B.I. - Dimitrii Il'ich Ul'ianov; on the 90th anniversary of his birth. p.89.
Kuz'ko, V.A., Sanina, I.I. - Ardent Bolshevik. p.95.
Gurvich, I.S. - More about the question of the transition to socialism of the small peoples of the North and Far East. p.100.
Selunskaia, V.M. - V.I.Lenin's cooperative plan in the works of Soviet historians. p.107.
Gromeka, V.I. - For unity and solidarity. p.117.
Baglikov, B.T., Groshev, I.I., Donskoi, V.M. - Valuable contribution to the scholarly development of the history of the CPSU; on the publication of the first volume of the "History of the CPSU." p.122.
Riabov, F.G., Chernukha, Z.V. - The struggle of K.Marx for the unity of the working class and the ratification of a socialist program at the First International, on the publication of the first and second volumes of the "Protocols of the General Council of the International Association of Workers. p.128.
Tagirov, R. - New study on the Haag congress of the First International. p.133.
Mattisen, E., Anderson, M. - Twenty years of heroic struggle. p.135.
Annotations. p.140.
Review of foreign history-party journals. p.143.
Documents and articles on the history of the CPSU and the international communist and labor movement published in journals, studies, collections, and transactions in July, 1964. p.145.
Development of the problems of the history of the First International in the Institute of Marxism - Leninism attached to the Central Committee of the CPSU. p.151.
Ostrovskii, V.B., Dines, A.S. - Coordination of the academic work of historians of the party of the Volga region. p.152.
Semin, G.I. - Historical Commission attached to the Sevastopol City Committee of the Communist Party of the Ukraine. p.154.
Brief news. p.156.
Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scholarly research on the history of the Party. p.157.

7. LAW

PAMIATNIKI GRUZINSKOGO PRAVA [LANDMARKS OF GEORGIAN LAW]. Issued by Akademiia nauk Gruzinskoi SSR [Academy of Sciences of the Georgian S.S.R]. Tiflis, vol.1, 1963 [In Georgian]

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin] Moscow, no.8, 1964.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin] Moscow, no.6, 1964.

Table of contents translated:
Adoption of the regulation on the piecework wage system in the repair of fishing industry vessels. p.3.
Adoption of the regulation on issuing bonuses to workers and engineering and technical employees of shipbuilding and ship repairing enterprises, as well as enterprises and organizations called in for equipment repair and assembly on fishing industry vessels for finishing the repair of the vessels on time and ahead of the schedule. p.4.
Supplement to regulation No.704/19, September 11-17, 1959 on the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions. p.6.
Determining the fulfillment of the capital repair plan in issuing bonuses to engineering and technical workers and employees of electric and thermal power system enterprises. p.6.
Supplement to the regulation No.704/19, September 11-17, 1959 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions. p.7.
Amendments and supplements to the manual for the wage schedule and work classification of mechanized work and that performed by horse and hand in the crop growing and livestock farming of state agricultural and forestry enterprises. p.8.
Introduction of supplements and amendments to the standard wage and classification manual for the workers of integrated occupations. p.13.

No.7, 1964.

Table of contents translated:
Experimental application of the new wage system for the workers of mechanized brigades and units cultivating potatoes on the state farms of Moscow Province. p.3.
Procedures for paying wages to the mobile repair workshop workers for combining skills in the All-Union Association of "Soiuzsel'khoztekhnika." p.5.

[illegible] deliveries [illegible] from [illegible] trade enterprises, [illegible] 1964.

[illegible] of the crew members [illegible] for exceeding simul- [illegible] p. 6 [illegible] engaged in [illegible] enterprises [illegible] City Council.

[illegible] brigade [illegible] enterprises of [illegible]

[illegible] underground sections of [illegible] administrations) as [illegible] p. 8.

[illegible] to the workers of [illegible] organizations and projects [illegible] individual assignments in the [illegible] 1964 projects in their [illegible] p. 9.

[illegible] piece-rate bonus and hourly- [illegible] for the workers of creameries, [illegible] dairy [illegible] plants and their [illegible]

[illegible] workers of shoe enterprises [illegible] fine stylish shoes. p. 14.

[illegible] experimental issuing of bonuses to clothing [illegible] for fulfilling and overfulfilling [illegible] in production quality at the [illegible] Clothing Factory, of the Kha- [illegible] Council. p. 15.

[illegible] regulation on working time and rest [illegible] railroad transportation and subway [illegible] p. 16.

[illegible] for working time spent at home [illegible] by the operators of the [illegible] distributing stations of main gas [illegible] p. 1[illegible].

[illegible] supplements and amendments to the [illegible] classification manual for the [illegible] occupations. p. 18.

[illegible] the wage and classification manual for [illegible] railroad industrial and operational [illegible] p. 23.

[illegible] the wage and occupation classification manual for bristle and brush industry workers. p. 1[illegible].

Developing a standard administrative structure and [illegible] for the number of engineering and technical workers and employees. p. 37.

[illegible]ISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR and Verkhov- [illegible] [Organ of the Public Prosecutor of the U.S.S.R. and the Supreme Court of the U.S.S.R.] [illegible] 31, no 4(1101), Apr. 1964

Table of contents translated:

A meeting at the Central Committee of the CPSU. p. 2.
Gorkin, A. - For further development of the democratic foundations of the Soviet judiciary. p. 3.
Parlugin, V., Anashkin, G., Terekhov, D. - Business of the benches of the Supreme Court of the U.S.S.R. p. 19.
Kulubov, A. - Lay judges. p. 25.
Antonov-Saratovskii, V., Lebedinskii, V. - From the history of the creation of the Supreme Court of the U.S.S.R. p. 28.
Kamenskii, F. - The bench of cassation is in session. p. 31.
Arutiunian, IU. - Always searching. p. 35.
Kolbasov, O. - Need of strict implementation of laws on the protection of nature. p. 37.
Brovin, V. - V.I. Lenin on observing the law in institutions of correctional labor. p. 41.
Shind, V. - Jurisdictional relations of comrades courts with organs of the police, prosecutors offices and courts. p. 44.
Karavaev, V. - Uninterrupted length of service. p. 49.
Borovkov, N., Bakharev, B. - Insuring compliance with the law when investigative acts are separately performed. p. 50.
Larkin, I. - Right to personal property. p. 53.
Dmitrienko, S. - Councils of lay judges at work. p. 55.
Volokh, P., Remnev, V. - How is crime prevention organized by the Lida District Prosecutor's Office? p. 56.
Sheretov, N. - Organization of the work of the investigation department under the new conditions. p. 57.
Kotovich, L. - Assistance to the collective farms to recover their claims from debtors. p. 60.
Kozlov, IU. - Activist groups of party-state control need to know the law. p. 61.
Keshoian, A. - Use of science and technology specialists in criminal investigation. p. 63.
Il'in, B. - Procedure for the collection of delinquent tax, compulsory insurance payments, and self-assessments. p. 66.
Kuznetsov, V. - Problems of prosecutorial supervision discussed in the Institute of State and Law. p. 68.
Legislative news. p. 70.
Cases in prosecutorial supervision. p. 73.
In the U.S.S.R. Prosecutor's Office. p. 76.
News from prosecutors offices and supreme courts of the Union Republics. p. 79.
Government arbitration practice. p. 81.
V.K. - The grain case. p. 82.
Bykhovskii, I. - The headlight. p. 84.
Dobrovolskii, G. - Needed handbook for people's judges. p. 87.
Fatkullin, F., Polozkov, F., Shelfer, S. - A useful textbook on criminal procedure. p. 89.
Our journal and our readers. p. 94.

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of R.S.F.S.F.]. Moscow, vol 28, no 7, Apr. 1964

Table of contents translated.

Editorial Stronger legal protection of land resources needed. p. 1.
Edict of the Presidium of the Supreme Soviet of the R.S.F.S.R. p. 4.
Bonner, A. - Judicial practice of expropriating dwellings erected or acquired by citizens for the purpose of securing unearned income. p. 6.
Kriger, G. - Certain problems concerning the qualification of the offense of taking socialist property. p. 8.
Kotov, N., Kandybina, T. - Examination practice in certification of missing persons and declaration of their death. p. 11.
Epshtein, A. - Need of legal standards to determine liability for violation of labor discipline. p. 13.
Koksharov, S., Bakharev, B. - Producing evidence for identification of persons and things in trial examination. p. 15.
Puchinski, V. - Establishing statutory periods for review of civil decisions in appellate procedure. p. 17.
IAkovlev, A. - The immediate environment of an offender requires deeper study. p. 19.
Denisov, V. - Collective and state farms should receive day-by-day legal assistance. p. 21.
Ponedelkov, M. - Diversification and greater scope in the organization of the work of councils of lay judges. p. 22.
Vereshchagin, P. - More about court requests. p. 24.
Strashun, B. - The judicial system of the U.S.A. p. 25.
Shapkina, G. - R. Khalfina's "Legal regulation of the delivery of goods and the economy." p. 28.
Our answers to questions. p. 30.
Notarial practice. p. 31.
Arbitration practice. p. 32.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW] Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no 7, July 1964.

Table of contents translated

Nestorenko, I.D - Further increase of the role of legal media in the strengthening of the economic management of enterprises. p 3.
Review of the proceedings of the conference on the theoretical and practical aspects of legal services in industrial enterprises. p. 9
Manelis, B.L. - Unity of the sovereignty of the Union of the S.S.R. and the Union Republics in the period of large-scale building of communism p. 17.
Genkin, D.M - Matching rights and duties in Soviet law. p 27.
Pakhomov, I N - Development of democratic principles in government service in the present period. p 39.
Trubnikov, P.IA. - Supervisory review of court decisions p. 45.
Kuznetsova, N.F. - Ways of narrowing the range of criminal liability. p 55
Mil'ko, IU T - Scientific atheistic propaganda and the fight against the offenses of church people and sectarians by means of the criminal law. p 65.
Ioffe, O S, Gribanov, V.P. - Limits of the exercise of private rights by citizens. p. 76.
Levin, D B - Relationship between international and municipal law. p. 86
Shebanov, A.F - Certain problems concerning legal norms and enactments of norms in the Soviet all-people's law. p. 96.
Bondarev, I.N - Certain problems of the improvement of the Notaries Act p. 107
Borisiuk, S.E. - Forms of joint operations of industrial and rural province executive committees and their organs p. 115.
Rasulbekov, I.D. - The attention of local soviets is concentrated on the needs of the population. p 117.
Staros'tsiak, E - Organs implementing administrative procedure in the European socialist [illegible] p 122
Matuzov, N I - Theoretical problems [illegible] private rights of citizens p 130
Cherdantsev, A F - Concept of legal norms in the field of technology and their role in the formation of social relations. p. 134.
Polenina, S V. - Recent legislation on legal transactions p 138
Vladimirov, V.A., Romanov, A.P. - Qualifying criteria of acts disrupting the performance of correctional labor institutions. p 143.
Kutafin, O E., Lazarev, I. V, [illegible] - Panel review of the papers entitled "Constitutional law of socialist countries." p. 149
Dagel', P S., Eliseikin, P P. - A.S Pigolkin's "Construction of norms in legislative enactments in the U.S.S.R" p 154.
Grigorian, L A - Forms of participation of the public in the work of local soviets. p. 156.
Belaev, N.A, and others. - Legal [illegible] in the conservation of natural resources in the U.S.S.R. p. 158.
Saitsheva, N.G., Mozokhina, A.G - Z. Rybitskii's "Administration of the national economy in the Polish People's Republic." p. 161.
Ostroumov, S.S. - Criminality in the capitalist world after the Second World War. p. 163
Ganiushkin, B V - A. N. Talalaev's "Legal nature of an international treaty." p. 167.
Special issue of the Polish periodical "Gospodarka i administracja terenowa" (Local economy and government) p. 169.
New legal literature in the U.S.S.R. (March-April 1964) p. 170

8. EDUCATION

a. GENERAL

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow, Izvestiia [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R.S.F.S.R. Bulletin], Moscow, no. 129, 1963. [New research in educational sciences, vol. 1]

Table of contents translated:

Polozov, V.S. - Basis of object manipulation drawings. p. 9.
Slavskii, P.I. - Content and system of an electric engineering course in general secondary school. Report No. 2. System of the course. p. 15.
Medvedev, R.A. - Alternation of instruction and production training in grades 9-11 of secondary schools. p. 20.
Monakhov, V.M. - Teaching the course "Theory of mathematical machines and the fundamentals of programming" in eleven-year schools with production training. Report No. 3. Organization of the educational process and teaching methods. p. 21.
Molonov, G.TS. - Inculcating social responsibility in grade 9-11 students during the process of production training. p. 20.
Ruvinskii, L.I. - Training of will power in adolescents. p. 32.
Alekseev, O.L. - Use of cybernetics in the educational process. p. 30.
Sokhor, A.M. - Theory of explanation. p. 41.
Artemov, A.K. - Content of the geometry skills of students. Report No. 1. Setting up the auxiliary geometrical structures. p. 47.
Bobrova, A.S. - Effect of classroom experiments on the student's comprehension of the cause and effect of physical phenomena. p. 53.
Logvinov, I.I., Rubinshtein, D.Kh. - Introduction of present-day scientific concepts into a secondary school physics course. p. 60.
Multanovskii, V.V. - Limiting process and its use in the secondary school physics course. p. 66.
Valentinavichius, V.P. - Experimental assignments on the design of apparatus, models and the simplest technical installations in the eight-year school physics course. Report No. 1. Method of experimental assignments in the design of apparatus, models and the simplest technical installations. p. 69.
Mashbits, E.I. - Forming the generalized operations as a means of training students in the independent solving of geometrical problems. p. 73.
Reshetnikov, V.I. - Forming the methods of abstraction in students. Report No. 1. Means of generalizing the methods of abstraction during the process of their assimilation by students. Report No. 2. Transfer of generalized methods and the intellectual development of students. p. 79.
Sokolova, E.N. - Psychological characteristics of the development of writing skills in first and second grade elementary school students. p. 89.

Skripchenko, A. V. - Forming in younger students the ability to solve arithmetic problems by setting up equations. p. 97.

Burzhunov, G. G. - Typical mistakes in the agreement of Russian words of grade 5-8 students of Lak schools. Report No. 1. Mistakes in the agreement of subject and predicate and their causes. Report No. 2. Mistakes in the agreement of a modifier with modified word and their causes. p. 102.

Nerovnykh, V. A. - K. D. Ushinskii's philosophical and psychological base of the problem of students' educational activity and independence training. p. 112.

Landa, L. N. - Problem of the mathematical methods of construction and evaluation of the algorithm of recognition. Report No. 1. Problem of evaluating the complexity of an algorithm. Report No. 2. Methods of constructing rational algorithms and formulas for the evaluation of their rationality. p. 117.

Fridman, L. M. - Algorithms of recognition in teaching. p. 125.

Parachev, A. M. - Research on the process of the logical solution of image formation problems. Report No. 1. Classification of algorithms of the visual image formation. p. 133.

Zavalishina, D. N., Pushkin, V. N. - Experimental research on the processes of problem solution and the modeling of thought. p. 139.

Chuprikova, N. I. - Optimal frequency detection of differences between stimuli. p. 144.

Borisova, M. N. - Stability of individual differences in simple reactions. p. 149.

Panaioti, Z. F. - Effect of a medium-frequency noise of varying intensity on attention. p. 153.

Kasparova, M. G. - Mechanism of the speech pause. Report No. 1. Perception of time intervals in sound signals. p. 158.

Barkhatova, S. G. - Correlation of speed and durability of retention. Report No. 1. Quantitative analysis of some indices of the speed and durability of retention. p. 164.

Sokhina, V. P. - Role of "object modeling" in the formation of visual analysis of complicated intersecting line drawings in preschool children. p. 171.

Zhitnikova, L. M. - Forming the methods of logical retention in preschool children. Report No. 2. Coordination of involuntary and voluntary retention in preschool children and primary school students. p. 177.

Kalinina, L. G. - Carrying out of verbal instruction by two-year old children. p. 183.

Ushakova, T. N. - Effect of the probability of a signal on the reaction speed. p. 188.

Kopanev, V. I. - Effect of vestibular stimuli on certain functions of human organism. Report No. 3. Electrophysiological changes under the effect of Coriolis accelerations on man. p. 194.

Kopanev, S. I. - Man's ability to work under the influence of vestibular stimuli. p. 200.

Poliakova, I. V. - Characteristics of attention transfer in connection with certain individual and typological properties of the higher nervous activity. Report No. 2. Comparison of data on typological distinctions in the aftereffect of inhibition process with the "live indices" of the mobility of nervous processes. p. 206.

Obysov, A. S. - Age-conditioned changes in the main blood vessels of the mediastinum of man. p. 209.

Zatsiorskii, V. M., Godik, M. A. - Correlational dependence between maximal speed indices in free movements. Report No. 2. Correlation in the case of special training in both movements under research. p. 214.

Kozlov, A. I. - Certain characteristics of the development of movement coordination in the students of the schools for mentally handicapped children. p. 219.

Eremeev, V. IA. - Training in the breathing of primary school children during physical exercises. p. 224.

TSvetkova, L. S. - Restoration of speech in brain lesions. Report No. 5. Restoration of penmanship in cases of disturbances of optical perception. p. 228.

Shakhovskaia, S. N. - Methods of logopedic work on the development of the grammatical structure of speech in children suffering from motor alalia. p. 233.

Kolpovskaia, I. K. - Originality of lexical meanings in the independent written speech of alalic children. p. 238.

Bedor, E. - Special characteristics of the actualization of visual images by mentally retarded children during text reading. p. 243.

Gol'dberg, A. M. - Development of independent speech in deaf primary school students. p. 246.

Trofimov, N. M. - Adaptation of oligophrenics to the new functional level of cerebral activity. p. 251.

Pinskii, B. I. - Dependence of the fulfillment of work assignments on the motivations of activity in mentally retarded students. p. 256.

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministersvto osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 25, nos. 8-9, Aug.-Sep. 1964.

KAZAKSTAN MEKTEBI [KAZAKHSTAN SCHOOLS]. Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol. 39, nos. 6-7, June-July 1964. [In Kazakh]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 25, no. 8, Aug. 1964.

MAKTABI SOVETI [SOVIET SCHOOL]. Issued by Ministerstvo prosveshcheniia Tadzhikskoi SSR [Ministry of Education of the Tajik S.S.R.]. Dushanbe, nos. 7-8, July-Aug. 1964. [In Tajik]

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R]. Moscow, vol. 32, no. 7, July 1964.

Table of contents translated:

Let's conduct atheistic training actively. p. 3.

Let's improve the physical education of students. p. 7

Communist Youth League. p 9.

Diudina, G. V. - Training in atheism. p. 12

In the Ministry of Education of the R. S. F. S R. pp. 15, 45, 96.

Afimov, F. K. - Training of first graders in good behavior p. 16.

Tarashchanskaia, R E. - Tempo of the fulfillment of class assignments by first graders. p. 19.

Kucherenko, B. D. - Independent work of first graders p. 23.

Gorbuntsova, T. IU. - Intonational reading with explanations p. 25.

Mal'kova, E. F. - Working with six-year old children. p. 26.

Zhikalkina, T K - How to teach students to solve problems independently. p. 29.

Shvedova, V. N., Estrina, I. A. - Preventing the wrong posture. p. 35.

Fedorov, S. A. - Drawing plants and insects. p. 42.

Luchinin, G. I., Til'man, L. E. - Let's train them always and everywhere. p. 46.

Nikulina, M. I - Editor's mail p 52.

Zakozhurnikova, M. L., Kustareva, V. A., L'vov, M. R. - Russian language. p. 53

Omorokova, M. I. - Extracurricular reading. p. 69.

Nizova, A. M. - Natural history. p. 75.

Dobrovol'skii, A. E. - Homemade tables. p. 90

Poliak, G. B. - Two aids for the study of the multiplication table. p. 92.

Kuznetsov, V. P. - For handwork classes. p. 94.

Vol 32, no. 8, Aug. 1964.

Table of contents translated.

Permiakova, V. A. - Psychological preparation of students for work. p. 3.

Adamovich, E. A. - Reading and the development of speech. p. 8.

Utkina, N. G. - Arithmetic. p. 14.

Vasil'eva, M. S. - History. p. 23.

Rozanov, I. G. - Manual training and socially useful work. p. 27.

Labunskaia, G. V., Rozhkova, E. E. - Drawing. p. 34.

Zakozhurnikova, M. L., Logacheva, A. M. - First lessons in Russian; grades 2-4. p. 43.

Nakhimova, M. S., Popova, I. A. - First arithmetic lessons in the first grade. p. 49.

Trudnev, V. P. - Special aspects of teaching mathematics to first graders in the first days of school. p. 52.

Nazarova, L. K. - Pronunciation and comments; their place in the teaching of spelling. p. 55.

Blokhin, I. A. - Creative sequence to the reading material. p. 64.

Kiriushkin, V. A. - Logical lotto. p. 72.

Rozanova, E. G. - Homework in arithmetic. p. 77.

Perfil'evskaia, D. I. - Discussion between teacher and parents. p. 81.

Shestak, L. P. - Excursions and object lessons. p. 87.

Sergeeva, T. M. - "Independent work of students in fourth grade history classes" by M. S Vasil'eva p. 93.

Fat'ianov, V. - This is how they teach the work in manual training classes. p. 94.

Bugaevich, I. V. - Imperfect aid on manual training. p. 95.

NARODNAIA ASVETA [PUBLIC EDUCATION]. Organ of Ministerstvo asvety BSSR [Ministry of Education of the White Russian S.S.R.]. Minsk, no. 7, July 1964.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, *no. 8, Aug. 1964.*

Table of contents translated:

Khrushchev, N. S. - From the report at the session of the Supreme Soviet of the U.S.S.R. of July 13, 1964. p. I.

Good luck, teacher! p. VII.

Editorial: Let's get closer to each student! p. 1.

Shaposhnikova, A. - Supervision by the party is the guaranty of success. p. 7.

Good initiative and useful deeds. p. 8.

Solodovnikov, A. - Aid to social science teachers. p. 10.

Thoughts on education. p. 12.

Kliuchnikova, P., Ravkin, Z. - What a history of education course could be like. p. 13.

Il'ichev, L. F. - Educational psychology corner. p. 19.

Gusev, F. - Together with parents. p. 20.

Saburova, A. - Our work on methods. p. 24.

Gorlov, M. - Development of the creative initiative of students. p. 26.

Skvortsova, E. - How to introduce progressive practices. p. 28.

Usanov, V. - Experimental schools as good aids to teachers. p. 30.

An how are things going with you? pp. 32, 47.

Kaidanovskii, M. - We are from the Lvov school... p. 33.

Gromtseva, S. - For the true literacy of students. p. 39.

Dairi, N. - Studying the laws of social development. p. 42.

Samarin, IU. - Development and training of the intellect. p. 50.

Mitina, I. - Organizational aspect of students' self-government. p. 52.

Zenko, S. - In the school clubs of Moscow region. p. 58.

Grankin, P. - Friendship between urban and rural children. p. 62.

Druzhinin, I., Semenov, A. - Letter from Leningrad. p. 69.

For the notebook of a class adviser. p. 71.

Komarnitskii, T. - Our pride. p. 72.

Krechetova, E. - Let's search and go on searching! p. 81.

For the notebook of a principal and the head of the teaching department. p. 84.

Pavlova, G. - We learn to live and work in a communist way. p. 88.

Solov'eva, E. - Day at the Taebla school. p. 91.

What does a teacher think. p. 94.

Questionable and unquestionable. p. 97.

Kudelin, S. - Lenin spoke here. p. 98.

Prokoshev, V. - Anna Il'inichna Elizarova-Ul'ianova. p. 99.

Tanov, I. - Outstanding French educator and atheist. p. 101.

Gluzman, G. - Pride of Russian art. p. 102.

Shnekendorf, Z. - In the schools of Czechoslovakia. p. 104.

Aiuush, A. - Mongolian school on a new path. p. 108.

Rzhekhak, V. - Motion-picture method in the teaching of foreign languages. p. 110.

Khorol'skii, V. - International conference on public education. p. 113.

Protsenko, V. - For the armory of Soviet schools. p. 114.

Magidson, S. - Their heroic deeds are immortal. p. 117.

Bookshelf. p. 118.

L'vov, B. - Concise dictionary on aesthetics. p. 119.

Lidina, I. - Diary of Petia Sagaidachnyi. p. 120.

Sentemov, V. - For teachers on the work of Pioneers. p. 121.

Sukharebskii, L. - Audio-visual aids in the educational process. p. 122.

"Pioneer," 1924-1964. p. 123.

Read it in the periodicals. p. 124.

In the Ministry of Education of the R. S. F. S. R. p. 125.

Noteworthy dates. p. 127.

Dedicate every free hour to the goals of education, supplement (insert).

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 42, *no. 4, Apr. 1964.*

Table of contents translated:

Malanchuk, V. IU. - Let's train militant atheists in Lenin's way. p. 3.

Ohiienko, M. IE. - Let's train Pioneers according to the examples from Lenin's life. p. 9.

Shamrai, V. O. - V. I. Lenin Museum in the Zolotonosha school No. 3. p. 15.

Vol'ska, S. V. - Educational work of a historical museum. p. 17.

Let's raise aesthetic education to the level of present-day requirements. p. 19.

Chashko, L. V. - Every shool should have its own motion-picture theater. p. 24.

Saltykova, L. M. - Aesthetic training during the reading classes in grades 1-4. p. 31.

Conference on atheism. p. 35.

Tymoshenko, V. V. - School radio newspaper. p. 37.

Pylypenko, V. I. - Let's introduce the data of educational research into school work. p. 38.

Boiko, V. F. - Pedagogical tact in moral education. p. 42.

Nikolenko, D. F. - Personality needs and their training. p. 45.

[illegible] - [illegible] ing its times for grades [illegible]
[illegible] program and instruction
[illegible] problems on [illegible] p.63.
[illegible] as the agri- [illegible]
[illegible] as a first [illegible] toward [illegible] p.73.
[illegible] - A [illegible] for demonstrating [illegible] p.75
[illegible] - Connection between [illegible] of a course. p.80.
[illegible], O.O. - Life itself corrects [illegible] es. p.86.
[illegible] M. - Industrial training and social [illegible]
[illegible] M. - [illegible] the fundamentals of [illegible]
[illegible], I.M. - For progressive [illegible] productive work. [illegible]
[illegible], V.A. - Pedagogical supervision [illegible] adolescents. p.95.
[illegible], I.P. - Applying the method of teaching [illegible] without translations. p.98
A[illegible], N.I. - Criterion and [illegible] foreign language students in grades 9-11. p.103.
[illegible], V.P. - William Shakespeare. p.107.
S[illegible], L.P., [illegible], P.M., Krasnoborts'kyi, I.I. - [illegible] on the organization of work in schools [illegible] p.109
M[illegible], I.A. - About the true and the questionable [illegible] the methods of algebra. p.1[illegible].
In the Ministry of Education of the Ukrainian S.S.R. p.111.

[illegible] U.S.S.R. [Ministerstvo vysshego i [illegible] spetsial'nogo obrazovaniia. Biulleten' [illegible] Ministry of Higher and Secondary Specialized Educa[illegible]. Moscow, no 8, Aug 1964

SOVIET MAKTABI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshcheniia Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.]. Tashkent, no.7, July 1964. [In Uzbek]

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol.11, no 6, June 1964

Table of contents translated:
New forms of the training of specialists with secondary education. p.1.
Let's conduct the admission to secondary specialized schools in an organized way. p.5.
Roshchinskaia, V.A. - State farms as technical schools in Moldavia. p.9.
Sutenov, V. - Stationary meteorological and phenological observations. p.13.
Zaichik, M.IU. - Qualitative problems. p.19.
Znamenskii, IU.P. - Apparatus for the projection of the educational process. p.21.
Kraev, V.P. - Automatic switch. p.24.
Konokotin, E.O. - Textbook with sound. p.26.
Chlabov, A.I. - New motion pictures on agriculture. p.27.
Sviridov, A.N. - Ways of developing independence and creative activity in evening school students. p.28.
Glashkov, V.E. - We keep up contact with our graduates. p.32.
Kool', N.M. - Let's conduct an active drive against religious ideology. p.35.
Maslov, A.P. - For the harmonious system of aesthetic education. p.39.
Kretskii, M.I. - Realistic diploma projects and the training of specialists. p.42.
Kretsova, R.A. - Kokino students love beauty. p.46.
Kalachniuk, G.I. - Quiz lecture. p.49.
Vahtsakii, A. - Let's train the active builders of communism. p.52.
Chernoglazov, K.N., Dmitrova, A.I. - Two reviews of the book "Production training in technical schools" p.54.
Roch, Friedrich. - Organizing the technical training in agricultural technical schools. p.59.
In the Ministry of Higher and Secondary Specialized Education of the U.S.S.R. p.61.
Editor's mail. p.63.

VECHERNIAIA SREDNIAIA SHKOLA [EVENING SECONDARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.7, no.2, Mar.-Apr.1964.

Table of contents translated:
Main trend. p.3.
Pokornev, M.P. - Let's be more daring in inculcating progress. p.7.
Ovsiannikov, I.I. - What a rural school for adults should be like. p.12.
IUshkov, A.V. - Knowledge for rural youth. p.15.
Pliasov, M.T. - Rural youth studies. p.18.
Malakhov, N.D. - Compulsory agrochemical education in the Stavropol Territory. p.21.
Chirva, A.N. - Training centers of Voronezh Province. p.25.
Darinskii, A.V. - Educational research in the field of evening and correspondence education. p.29.
Recommendations of the Ideological Committee of the Rural Province Commission of the Belgorod Province CPSU. p.34.
Riabov, A.I. - Most important prerequisite for a thorough knowledge. p.37.
Kulagin, P.G. - Effect of the connection between subjects on the assimilation of subject matter. p.42.
Izbeshtskii, I.L. - Connection between rural schools and production. p.44.
Shcherbakov, G.N. - Branch associations of Rostov Province. p.46.
Popova, A.M. - Important means for improving the quality of student knowledge. p.49.
For the consideration of evening and correspondence schools. p.51.
Rudnev, L.M. - Collective that trains innovators. p.52.
Kaisin, P.P. - Life experience and the study of social sciences. p.55.
Klimaev, I.M. - Use of diagrams in studying the first topic of social science. p.58.
Rudoi, N.K. - For the greater efficiency of chemistry lessons. p.61.
Dudko, M.G. - Using the production experience of students in chemistry classes. p.63.
Kovalevskii, V.F. - Technical conferences. p.66.
Chentsov, A.A. - Class on the topic "Physics and machinery." p.68.
Ventskovskii, L.E. - Physics to the aid of agrochemistry. p.72.
Arkhipova, E.A. - Let's give them a fully adequate knowledge. p.79.
Rozhkova, K.G. - Work with difficult words. p.82.
Tarasova, M.V. - Painting in the Russian language classes. p.84.
"Introductory course of the German language" by M.N.Sheper. p.86.
Kuz'min, A.N. - "Studies on the history of the U.S.S.R.; 1917-1962." p.87.
Liakhov, I.I. - For a physics teacher. p.88.
Mizikovskaia, G.A., Arbuzova, A.I., Orlova, N.P. - "Psychology of activating the teaching in evening secondary schools." p.89.
Pedagogical encyclopedia. p.93.
Brief news. p.95.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, nos.7-8, July-Aug. 1964.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Soiuz sportyvnykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S.S.R.]. Kiev, no.8(794), Aug. 1964. [In Ukrainian]

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of TSentral'nyi Sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U.S.S.R.]. Moscow, no.8, Aug. 1964.

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.10, nos.7(110)-8(111), July-Aug. 1964.

NA IAKHTAKH [IN SAILBOATS]. Moscow, no.2, 1963.

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol.10, no.8, Aug. 1964.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos.11(107)-12(108), 14(110), June-July 1964.

SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol.41, nos. 7-8, July-Aug. 1964.

SPORT V SSSR [SPORTS IN THE U.S.S.R.]. Issued by the Periodical "Sovetskii Soiuz" ["Soviet Union"]. Moscow, no.7(17), 1964.

SPORTIVNYE IGRY [ATHLETIC GAMES]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.10, nos.7(110)-8(111), July-Aug. 1964.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.27, no.4, Apr. 1964.

Table of contents translated:
Results of the Ninth Winter Olympic Games. p.1.
Demeter, G.S. - V.I. Lenin on the physical hardening of revolutionaries. p.7.
Romanov, A.O. - Sixty-first session of the International Olympic Committee. p.12.
Agranovskii, M.A. - Racing skiers and dual contestants of the U.S.S.R. at the Ninth Winter Olympic Games. p.16.
Belov, E.I. - Study and evaluation of the correlation between breathing and blood circulation during physical stress. p.24.
Bykov, N.M. - Importance of the musculus interosseus of the wrist for the gymnasts. p.28.
Petrov, B.A. - Using an increased volume of speed exercises in the training of young swimmers. p.31.
Zhovnovataia, O.D. - Muscle strength and mobility of nervous processes in women athletes in connection with the ovarial-menstrual cycle. p.34.
Asknazii, A.A., Papovova, G.P. - Study of cerebral neurodynamics during the establishment of a sports form. p.36.
Zinkovskii, A.V., Verkhalo, IU.N. - Method of studying simultaneously the rate of work movements and the frequency of systoles. p.38.
Shul'ga, L.M. - Forming the motor skills of tennis players. p.40.
TSaturova, K.A. - Trade-union organizations of physical education and training as schools of public self-government. p.43.
Guba, P.K. - Work of the children's sport schools with community participation. p.46.
Gisin, S.L., Spektor, N.P. - Student brigades on virgin lands. p.49.
Tokarev, M.I. - Sports should be developed on a large scale on virgin lands. p.51.
Krapivintseva, S.I., Piatkovskaia, R.I., Minaeva, N.A. - Efficiency index of active rest during muscular work. p.53.
Gromadskii, E.S. - Scientific and pedagogical problems of higher physical education and training. p.59.
Kalashnikov, G.A. - Physical education of the students of correspondence and evening pedagogical institutions and schools. p.61.
Sinitsyn, S.D. - Improvement of higher physical education and training. p.62.
Simakov, IU.P. - Physical education and children's sports in the Republic of Cuba (Olimpiada escolar). p.65.
Martovskii, A.N. - Continuity in the teaching of gymnastic exercises. p.69.
Kirmelashvili, G.D. - Apparatus for the objective judging of vaulting. p.72.
In the physical education and training organizations. p.74.

Vol.27, no.5, May 1964.
Table of contents translated:
Toward the All-Union Conference of the Union of Sports Societies and Organizations. p.1.
Nikonov, L.G. - Physical education organizations and the problems of the physical and hygienic education and training of the population. p.6.
Sukhotskii, V.I. - Olympic Games and the policy pursued by the United States to restore its world supremacy in sports. p.11.
Mikhailov, V.V., Ogol'tsov, I.G. - Maximal use of oxygen by Olympic skiers. p.16.
Grozin, E.A. - Comparative analysis of the jumping technique of Soviet and foreign jumpers. p.19.
Korobkov, A.V. - Some ways of motor function involution in man and the measures for its delay. p.23.
Frol'kis, V.V. - Processes of fatigue and recovery during the aging of an organism. p.26.
Toropov, V.A. - Determining variations of the parietal arch according to the method of Feiss. p.29.
Muravov, I.V. - Active rest and the regulation of functional systems during the aging of an organism. p.31.

Petunin, O. V. - Methods of studying motor skills in boxing. p. 37.
Zhelezniakone, V. N. - Dynamics of physiological functions of women athletes during the ovarian menstrual cycle. p. 40.
Strokina, A. N. - Body surface in athletes. p. 44.
Bunchuk, M. F. - Organization of physical education and sports according to the workers' domicile. p. 46.
Tokarev, M. I. - Main feature in organizational work. p. 49.
Osipov, I. T. - Physical education and training in the struggle for human longevity. p. 52.
Sokolov, K. T., Rakitina, R. I. - Methodology of health group work. p. 55.
Volkov, A. A. - Comments by the participants of health groups. p. 57.
Krasnosel'skii, G. I. - Significance of physical exercise in connection with pathology of the climacteric. p. 59.
Kukushkin, G. I. - International symposium on the philosophical and sociological problems of physical education and sports. p. 61.
Matveev, L. P. - How to plan year-round training. p. 65.
Krasnikov, A. A. - Elements of tactics in races lasting several days. p. 71.
Ikramov, Z. Kh. - Books on health. p. 74.
Ryzhkova, V. E. - Results of the year. p. 76.
Kalmykov, M. A. - Results of research and methodological work at the departments of physical education. p. 78.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, nos. 7-8, July-Aug. 1964.

NA DOPOMOHU KHUDOZHNII SAMODIIAL'NOSTI; repertuarnyi zbirnyk [A GUIDE FOR ART AMATEURS; Repertorial Collection]. Kiev, no. 4(52), July 1964.

SOVETSKII EKRAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, nos. 14(162)-16(164), July-Aug. 1964.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, vol. 8, no. 7, July 1964.

Table of contents translated:
Sheinin, S. A., Arkhipov, L. I., Fabrikant, G. I. - Characteristics of the use of LN-5 type films for outdoor and studio filming (from the experience of filming the "Meeting at the river passage" motion picture). p. 1.
Krylov, L. P., Greidinger, L. M. - Manufacture of black-and-white film prints and its photographic control. p. 7.
Levi, S. M. - Use of synthetic polymers in the production of photographic emulsions. p. 13.
Koshevoi, O. K., Levi, R. A. - Use of polymer-monomer compositions from polychlorovinyl acrylate in motion-picture equipment. p. 22.
Vavra, I. - Alteration of the magnetic properties of spherical magnetites manufactured by the "wet method" (Czechoslovakia). p. 32.
Nesterov, V. A., Markhon'ko, V. K. - Method of synchronized sound recording used in the Central Studio of Documentary Films. p. 36.
Butovskii, IA. L., Vigdorchik, I. V. - Editing of a magnetic tape original without cutting. p. 42.
Gurevich, S. B., Gamburg, R. A. - Determining the illumination required for the television detection of object details. p. 45.
Krasil'nikov, N. N., Filatov, A. I. - Selecting the number of quantization levels in pulse-code modulation. p. 51.
Malkiel', B. S., and others. - New kinescopes. p. 55.
Bialik, G. I., Timofeev, B. S. - Automatic sharpness control in television cameras. p. 59.
Shchegolev, G. A., Seliverstova, N. P., Artem'ev, N. L. - Magnetic system for a miniature vidicon. p. 65.
Matrenkin, V. IA. - Modernization of the focussing magnifier lens in the "IKSN" motion-picture camera. Electric drive for the "Lenar" type zoom lens. p. 67.
Levin, A. L. - Measurement of the illumination intensity on the photocathode and automatic control of the black level in the camera channel of an image iconoscope. p. 68.
Pell', V. G. - Foreign technology Motion pictures and television as a tool in education. p. 72.
Abstracts. p. 81.
Development and improvement of 16 mm and 8 mm film motion pictures. p. 91.
In the State Committee of Motion Pictures. p. 92.
Tasks of documentary cinematography. p. 92.
Brief information. p. 94.

b MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol. 7, nos. 15-16, Aug. 1964.

SOVETSKAIA MUZYKA [SOVIET MUSIC]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U S.S.R.]. Moscow, vol 28, no 1, Jan. 1964

Table of contents translated·
Khrennikov, T. - For the music of the communist tomorrow. p. 3.
Vyzgo, I. - Dialectics of art. p. 9.
Sokol'skaia, Zh. - The force of song. p. 17.
Grosheva, E. - Summary of the discussion. p. 25.
Druskin, M. - Variations on a invariable theme. p. 35.
IArustovskii, B. - Encourage the new. p. 39.
Bobrovskii, V. - Prepare versatile musicians. p. 42.
Leikhter, K. - A way out must be found. p. 44.
Vanslov, V. - The director in opera. p. 45.
On musical stages:
  Kenigsberg, A. - Second birth of an opera. p. 51.
  Ola, Marika. - First times on a Soviet stage. p. 56.
Portraits:
  Farkhadova, R. - First Azerbaijani ballerina. p. 59.
  Ratser, E. - A portrait sketch. p. 64.
  Tkach, E. - Musicians from Moldavia. p. 67.
At international contests:
  Ginzburg, L. - In honor of Pablo Casals. p. 71.
  In memory of Leo Weiner. p. 74.
  Niccolo Paganini. p. 75.
Klemperer, Otto. - From recollections. p. 77.
Ptitsa, K. - "Dumka." p. 85.
Evgen'ev, R. - Verdi's "Requiem." p. 86.
Nest'eva, M. - At a creative evening. p. 87.
Smirnov, M. - Cliburn contest prize-winner. p. 89
Dobrokhotov, B. - Harp concert. p. 89.
Usov, IU. - Estonian quintet. p. 90.
Rozhdestvenskaia, Nataliia. - Vocal evenings. p. 90.
Bialik, M. - Letter from Leningrad. p. 91.
Gaidamovich, T. - Alma trio. p. 93.
Yugoslav dancers. p. 93.
Talankina, L. - Ceylonese ballet. p. 94.
Mikolan, N. - Talent of a publicist. p. 96.
Mikhailov, B. - Think, dispute, search. p. 98.
Romadinova, D. - Opera? A musical novella? p. 100.
Grebennikov, S., Dobronarov, N. - "The main thing, boys, is that the heart doesn't grow old." p. 104.
IArustovskii, B. - Honegger's "military" symphonies. p. 112.
Cuba:
  Pichugin, P. - Music returns to the people. p. 122.
France:
  Robert, F. - Live Poulenc. p. 12
England:
  What worries the second oboist?
Shakhnazarova, N. - Greater initiat
Aksiuk, S. - About our contempora
Dashkevich, V. - The theme remain
p. 137.
Blok, V. - Scores. p. 143.
Shumskaia, N., Frenkel, Il'ia. - Ou
Kh. F. Akhmetov, V. A. Belyi. p.
Brief news. p. 145.

Vol. 28, no. 2, Feb. 1964.

Table of contents transl
Shostakovich, D. - For party ideolo
Sviridov, G. - Esteem the culture
p. 8.
Abdraev, M. - Holidays and workd
Participants in the plenum propose.
Vlasov, V. - Be worthy of the teac
Shaporin, IU., and others. - L. N.
gratulated on his 75th birthday.
Kurkovskii, G. - Intelligent craftsr
Two arrangements. p. 34.
Blagoi, D. - Patriotic epic. p. 36.
At reviews and plenums in Estonia:
  Danilevich, L. - Tallinn impre
Khristiansen, L. - Necessary reform. p. 45.
Skrebkov, S. - Overcome stagnation. p. 47.
Ter-Martirosian, T. - Train versatility. p. 50.
From N. A. Rimskii-Korsakov's letters to his son. p. 52.
Zhukova, L. - Are there limits to a form? p. 63.
Minkh, N. - Younger sister, no older. p. 67.
Sakva, K. - Reflections after a première. p. 69.
On the 60th birthday of L. P. Aleksandrovskaia
  Nishevich, I. - Inspiration and craftsmanship. p. 77.
  Pokrovskii, B. - Thank you. p. 79.
Khaikin, B. - Vladimir Valaitis. p. 81.
At international competitions:
  Bashkirov, D. - Schumann. p 85
  Long and Thibaud. p. 87.
From the past of the art of performance
  Maksakova, M. - Next to Derzhinskaya. p. 89.
  Kerzon, K. - Artur Schnabel plays. p. 92.
Evgen'ev, R. - A conductor's debut. p. 97.
Kogan, G. - At a Beethoven concert. p. 98.
Ermakova, Liudmila. - Listening to a Georgian chorus. p. 98.
Orfenov, A. - Vocal evenings. p. 100.
Runov, B. - Good example. p. 101.
Bialik, M. - Letter from Leningrad. p. 101.
Mil'man, Mark. - Yugoslav musicians. p. 103.
Carlo Zecchi. p. 104.
Roizman, L. - Organist from Belgium. p. 105.
Grinberg, M. - From word to deed. p. 106.
From the editor:
  Musical broadcasting should have a high standard. p. 109.
Khatskevich, I. - Second vocation of the marshal. p. 114.
Vaisburd, M. - Enrique Granados. p. 118.
German Democratic Republic
  Rebling, E. - Kurt Zanderling in Berlin. p. 123.
Poland:
  Rakov, L. - Notes on the "Warsaw autumn." p. 126.
German Federal Republic
  Melikhar, A. - The tragedy of West German culture. p. 128.
Galatskaia, V. - The subject requires. p. 132.
Shteinpress, B., Barenboim, L., A. Z. - Brief notes on books. p. 141.
Boelza, I. F., Valiullin, Kh. V., Ostrovskii, A. I. - Our jubilarians. p. 142.
Brief news. p. 145.

c. THEATER

EESTI NOUKOGUDE TEATER almanahh [ESTONIAN SOVIET THEATER, Almanac] Issued by Eesti NSV Teatriuhing [Theatrical Society of the Estonian S.S.R.]. Tallinn, vol. 6, 1963. [In Estonian]

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 14, nos. 15-17, Aug.-Sep. 1964.

[illegible] p. [illegible]
[illegible], A. - [illegible] premiere. p. 95.
[illegible], Mariia. - New Year's tale, drama in one act. p. [illegible]
[illegible], A. - [illegible], a comedy in three acts. p. 1[illegible].
[illegible] - [illegible], but searching. p. 109.
[illegible], L. - Before a genuine premiere. p. 111.
[illegible], V. - Of this world. p. 112.
[illegible], E. - [illegible] for the stage. p. 114.
[illegible] - [illegible] in an opera. p. 115.
[illegible], V. - Drama criticism and [illegible]. p. 11[illegible].
[illegible], Claude. - Synthesis of poetry and drama. p. 125.
[illegible], V. - Three performances of an Italian troupe. p. 12[illegible].
[illegible], E. - The Shchepkin matter. p. 137.
[illegible], Lev. - Our great contemporary. p. 145.
[illegible], II. - Feat of an actor. p. 152.
[illegible], A. - Among Ukrainian friends. p. 159.
[illegible], A. - Shchepkin and the provinces. p. 163.
[illegible], A. - Shchepkin in Petersburg. p. 168.
Filippov, Vl. - Concerning a theatrical legend. p. 171.
One year. p. 175.
[illegible], N. - M. S. Shchepkin and S. T. Aksakov. p. 180.
[illegible], V. - Through Shchepkin places. p. 189.

Vol. 24, no. 12, Dec. 1963.
Table of contents translated
[illegible], A. - The old and the new "Turandot" at the Vakhtangov. p. 4.
Vasilinina, I. - It is unfortunate for the children. p. 12.
[illegible], F. - Road to Ch[illegible]peka. p. 13.
[illegible], Militsa. - Affirmation of humanity. p. 16.
Vishnevskaia, I. - Pathos of the good. p. 19.
[illegible] - New generation of fairy tales. p. 25.
Zolotov, A. - Novosibirsk opera. p. 34.
Chernova, N. - Ballet too. p. 42.
[illegible], I. - Experiments in Michurinsk. p. 47.
IAk[illegible], A. - Take the best with you. p. 51.
Dialogue on the theater or a conference which could have been. p. 57.
Rumiantseva, N. - Three couplets about Afanasii Belov. p. 6[illegible].
Zhelabuzhskii, A. - Phenomenon, from recollections about Mariia Fedorovna Andreeva. p. 73.
[illegible], F. - The contemporary on the stage and in a book. p. 82.
[illegible], S. - Published in Rostov. p. 84.
Zis', A. - With love of the theater. p. 85.
[illegible]skaia, I. - Creative maturity. p. 86.
Il'inskii, I. - The funny and the sad. p. 88.
It is 30 years old today. p. 90.
Talent and character. p. 92.
Mad day or beginning of the season in Belgorod. p. 93.
Moscow Shadow Theater. p. 94.
Half a century ago. p. 97.
Technical creativeness. p. 98.
Tale about Shchekin. p. 101.
[illegible], Gerdt, Elizaveta. - Outstanding teacher of classical dancing. p. 102.
Nikolai Sapunov. p. 104.
Meeting with readers. p. 106.
A word about a comrade. p. 108.
It is interesting to live on earth, comedy in one act. p. 110.
Letters from theaters. p. 115.
Popov, A. - New tasks. p. 116.
Vengre, E. - Before new barriers. p. 120.
Sechin, V. - Most valuable. p. 123.
Evseev, B. - In a small city. p. 127.
On stages of the world.
  "War against salamanders." p. 129.
  Plays of Francoise Sagan. p. 130.
  Word of a negro writer. p. 132.
  At the Tenth Congress of the International Theatrical Institute. p. 133.
Pimenov, Vl. - In Yugoslavia. p. 134.
Taran, P. - The return of Georg Buechner. p. 147.
Maurois, Andre. - Mirrina. p. 149.
Salynskii, Afanasii. - Lie for a narrow circle; comedy in two acts. p. 155.
Table of contents of the journal "Teatr" for 1963. p. 185.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER] Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, no. 16, Aug 1964

10. FINE ARTS

a GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, vol. 8, no. 8(81), Aug. 1964.

ISKUSSTVO AZERBAIDZHANA [THE ART OF AZERBAIJAN]. Issued by Institut arkhitektury i iskusstva Akademii nauk Azerbaidzhanskoi SSR [Institute of Architecture and art of the Academy of Sciences of the Azerbaijan S.S.R.]. Baku, no. 10, 1964.
Table of contents translated:
Kaziev, A. IU. - The art of Azerbaijani miniatures from the end of the 16th to the beginning of the 17th century. p. 5.
Kerimov, K. D. - The 16th century Azerbaijani artist Mukhammedi. p. 32.
Rzaev, N. I. - Pictographs of ancient Azerbaijani. p. 61.
Askerova, N. - Works of the 19th century Nukha master Usta Abbas. p. 75.
Asadova, S. D. - Fretwork patterns in Azerbaijani silversmithing. p. 85.
Kerimov, Liatif, Askerova, N. S. - Masters of applied decorative art in Azerbaijani. p. 96.
Regame, S. K. - Formation of the general plan for the development of a socialist Barev, 1920 to the 1930's. p. 137.

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol. 6, no. 8, 1964.

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S.S.R.]. Erivan, nos. 6-8, 1964. [In Armenian]

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, vol. 24, no. 8, Aug. 1964.

STROITEL'STVO KOMMUNIZMA V SSSR I ZADACHI IZOBRAZITEL'NOGO ISKUSSTVA [BUILDING OF COMMUNISM IN THE U.S.S.R. AND THE TASKS OF THE FINE ARTS]. Moscow, no. 3, 1962.
Table of contents translated:
Nedoshivin, G. - Contemporary art and communism. p. 3.
Zinger, E. - International unity of Soviet art. p. 29.
Il'in, M. - Stylistic characteristics in Soviet decorative-applied art. p. 52.

TVORCHESTVO [CREATIVE WORK]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, no 8(92), 1964.

b ARCHITECTURE

ISKUSSTVO ZODCHIKH UZBEKISTANA [THE ART OF THE ARCHITECTS OF UZBEKISTAN]. Issued by Institut iskusstvoznaniia Akademii nauk Uzbekskoi SSR [Art Institute of the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 2, 1963.
Contents Pugachenkova, G. A. [Mausoleum of Arab-ata, from the history of the architecture of Maverannakhr, 9th-10th centuries] Mavzolei Arab-ata, iz istorii arkhitektury Maverannakhra IX-X vv. 116 p.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

DUSHANBE. UNIVERSITET. Uchenye zapiski. [UNIVERSITY. Studies]. Vol. 21, 1959. Kafedra inostrannykh iazykov. Trudy [Department of Foreign Languages. Transactions], no. 1.
Table of contents translated:
Shakhobova, M. B., Vol'f, E. M. - Teaching a foreign language to national groups. p. 3.
Shakhobova, M. B. - On a new textbook of the Persian language. p. 21.
Vol'f, E. M. - Verbal equivalents in some Indo-European languages. p. 29.
Shlionskii, A. E. - Infinitive in "Song of Roland." p. 59.
Vol'f, E. M. - Demarcations between set and free expressions. p. 71.
TSivina, K. D. - Methods of teaching the translation of special texts. p. 117.
Mering, F. M. - Methods of work on the conjunctive. p. 123.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE] Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol. 7, nos. 8-9, Aug.-Sep. 1964. [In Estonian]

RUSSKAIA FILOLOGIIA; sbornik studencheskikh nauchnykh rabot [RUSSIAN PHILOLOGY; Student Papers] Issued by Tartuskii gosudarstvennyi universitet [Tartu State University]. Tartu, no. 1, 1963.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 4, 1964.

VOPROSY IAZYKOZNANIIA [PROBLEMS OF LINGUISTICS]. Issued by Institut iazykoznaniia Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 12, no. 4, Jul.-Aug 1963
Table of contents translated:
Greeting the 5th International Congress of Slavists. p. 3.
Bauer, J. - Main problems in the comparative and historical study of syntax of the Slavic languages. p. 4.
Kramskiy, J. - Problem of the article. p. 11
Mel'chuk, I. A. - "Inner inflection" in Indo-European and Semitic languages. p. 27.
On a general Slavic linguistic atlas. p. 41.
Akhmanova, O. S., Panfilov, V. Z. - External and internal linguistic factors in the function and development of language. p. 46.
Admoni, V. G. - Qualitative and quantitative analysis of grammatical phenomena. p. 57.
Kolmogorov, A. N. - Studying the rhythm of Maiakovskii. p. 64.
Bernshtein, S. B. - Carpathian dialectal atlas. p. 72.
Karas, M. - Dictionary of Polish dialects. p. 8[illegible]
Dzendzelevskii, I. A. - Interpretation of linguistic maps. p. 94.
Iordanskaia, L. N. - Some characteristics of [illegible] syntactic structure. p. 102.
Blok, A. - Role of Vuk Karadžić in Serbian [illegible]. p. 113.
Sudnik, T. M., Shur, S. M. - Application of some new methods in works on general and Slavic dialectology. p. 115.
Lapteva, O. A. - Czechoslovak works of recent years on problems of communicative functions of the sentence. p. 120.
Ivanov, Viach. V. - Book by E. Benveniste "Hittite and other Indo-European languages; comparative studies." p. 127.
Shirokova, A. G. - Book by Fr. Kopečný "Verbal aspect in Czech." p. 130.
Tvorogov, O. V. - Book by A. Poppe "Materials for a dictionary of early Russian construction; from the 10th to the 15th century." p. 141.
Zhuravskii, A. I. - Preparing a dictionary of the old White Russian language. p. 142.
Koschmieder, E. I. - Publication of Old Slavic manuscripts containing chants. p. 145.
Fischer, R. - Works on Sorbian-Lusatian philology in Leipzig. p. 147.
What the scholars are working on. p. 147.
Brief news. p. 150.

b. LITERATURE & FOLKLORE

AKADEMIIA NAUK SSSR. Izvestiia. Seriia literatury i iazyka [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Series in Literature and Language]. Moscow, vol. 23, no. 1, Jan.-Feb. 1964.
Table of contents translated:
Pollak, L. M. - Peter I in the works of Lev Tolstoi and Aleksei Tolstoi. p. 3.
Balashov, N. I. - Manuscripts of Spanish dramas about Russia and humanist traditions of 17th century Spanish literature. p. 18.
Emel'ianova, N. M. - Conversion in Eskimo. p. 3[illegible]
Rukavitsyn, M. M. - Art of the portrait in L. N. Tolstoi's tale "Death of Ivan Il'ich." p. 44.
Mikhal'chi, D. E. - J. W. Pause and his Slavic-Russian grammar. p. 49.
Gel'fand, N. V. - Reference book on the interaction of literatures. p. 58.
Maksimov, V. I., Sorokoletov, F. P. - The project "Dictionary of Russian dialects." p. 60.
Golyshenko, V. S., Dubrovina, V. F. - Romance of Alexander. p. 64.
Fifth International Congress of Slavists. p. 68.
Course on the Bulgarian language and literature for foreigners offered at the "Kliment Okhridski" University in Sofia. p. 72.
International courses of Slavists in Poland. p. 73.
Conference on the orthography of names. p. 74.
Eighth Coordinating Conference on Lexicography. p. 76.
On the 100th anniversary of the death of Jakob Grimm. p. 79.
On the 250th anniversary of Denis Diderot's birth. p. 81.
In memory of Prof. I. P. Eremin, 1904-1963. p. 84.

ALA-TOO; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [ALA-TAU; Literary and Socio-political Magazine]. Organ of Soiuz pisatelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S.S.R.]. Frunze, vol. 33, nos. 7-8, July-Aug. 1964. [In Kirghiz]

AZERBAICHAN [AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, nos. 6-8, June-Aug. 1964 [In Azerbaijani]

DAL'NII VOSTOK [FAR EAST]. Organ of Khabarovskoe otdelenie Soiuza pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R.S.F.S.R.]. Khabarovsk, vol. 32, no. 4, July-Aug. 1964.

DILA [MORNING]. Issued by TSentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii iunykh pionerov im. V.I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, nos. 8-9, Aug.-Sep. 1964. [In Georgian]

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, no. 8(157), Aug. 1964. [In Georgian]

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, no. 9, 1964.

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

KHOTUGU SULUS [STAR OF THE NORTH]. Yakutsk, no. 3, 1964. [In Yakut]

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 25, no. 4, July-Aug. 1964.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, vol. 6, nos. 7, 9, July, Sep. 1964.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 8, no. 8, Aug. 1964.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 22, no. 4, July-Aug. 1964.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no. 8, Aug. 1964. [In Estonian]

MOLODAIA GVARDIIA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 8, Aug. 1964.

MOSKVA [MOSCOW]. Organ of Soiuz pisatelei RSFSR and Moskovskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Moscow Branch of the Association of Writers]. Moscow, vol. 8, no. 7, 1964.

NA RUBEZHE [AT THE FRONTIER]. Issued by Soiuz pisatelei Karel'skoi ASSR [Association of Writers of the Karelian A.S.S.R.]. Petrozavodsk, vol. 25, no. 4, July-Aug. 1964.

NEVA. Organ of Soiuz pisatelei RSFSR and Leningradskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 8, 1964.

NISTRUL [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S.S.R. Kishinev, vol. 33, no. 8, 1964. [In Moldavian].

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1964

NOVYI MIR [THE NEW WORLD]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.] Moscow, vol. 39, no 4, Apr. 1963

Vol. 39, no. 4, Apr. 1963.
Table of contents translated.
For ideology and socialist realism. p. 3.
Troepol'skii, G. - In the reeds, from a hunter's notebook. p. 11.
Gallai, M. - Tested in the sky, a test pilot's notes. p. 50.
Kornilov, Vl., Kotliar, E., Sokolov, Vl. - Prometheus, son of our mountains, A night during the grape harvest; Fresco, Autumn, Winter night in a village, Oh, day radiant blue, verse Karlo Kaladze. p. 109.
Smirnov, IUrii. - From first verse. p. 115.
Shchipachev, Stepan. - I know her, poem p. 118.
Makarov, A. - Chanca. Juan Goytisolo. p. 119
Radkevich, V. - Woman tractor driver, poem. p. 155
Beginning of the path, autobiographical statements of V. I. Lenin (1886-1893). p. 156.
Osipov, I. - Forward to the sea p. 172.
Ivanov, S. - Work, technology, aesthetics. p. 186.
Kondratov, A. - People and signs p 202.
Bednyi, Dem'ian - "To write the truth about life." p. 216
Poliakova, E. - After the first book p. 221.
Gudzii, N. - What is considered the "canonical" text of "War and peace?" p. 234.
A. M. Gorkii on the expert commission of the People's Commissariat of Foreign Trade. p. 247.
Tushnova, V. - The maturity of talent. p. 251.
Berzer, A. - Man has conquered. p. 253.
Ognev, Vladimir. - "My century in my verse." p. 256.
Solov'eva, I. - Material and method. p. 258.
Fainburg, Z. - Desired and difficult future. p. 262.
Razgon, Lev. - Valuable finds. p. 265.
Anisimov, G. - Important principal of the building of communism. p. 268.
Vasil'ev, M. - Good beginning. p. 271.
Moralevich, IU. - Ocean of thousands of secrets. p. 274.
Matveev, V. - Disseminators of poison. p. 277.
Brief book reviews. p. 280.
New books. p. 285.
Petr Petrovich Vershigora, obituary. p. 287.

Vol. 39, no. 12, Dec. 1963.
Table of contents translated:
Zykov, I. - In the forests of the North. p. 3.
Kugul'tinov, David. - A word to a human word, no-one remembers his birth, I recall the past, I err to find the truth, Today a friend appeared in my dream, Your glance prophesies my happiness, My friend died, Protected by flywood shields; verse. Translated from the Kalmyk by IU. Neiman, Novella Matveeva. p. 41.
Grossman, Vas. - A few sad days; story. p. 45.
Matveeva, Novella. - Two poems. p. 60.
Fedorov, Georgii. - Stories of an archaeologist. p. 63.
Motovilova, S. - The past. p. 75.
Steinbeck, John. - Three stories. Translated from the English by E. Korotkova, N. Temchina. p. 128.
Liubimov, N. - Igor' Il'inskii. p. 161.
Kin, TSetsiliia. - Italian variant. p. 178.
IUzovskii, IU. - Gor'kii and his correspondents, from the correspondence of Gor'kii with Soviet writers. p. 200.
Karaganov, A. - Between truth and falsehood. p. 215.
Literature and art
Pitliar, I. - Mother and son. p. 233.
Burtin, IU. - Reverse effect. p. 236.
Trefilova, G. - The feat of love. p. 240.
Turovskaia, M. - The profession is an art. p. 246.
Mikhailov, O. - In the struggle with inertia. p. 248
Larin, S. - Singer of the pure flow. p. 252.
Politics and science:
Batishchev, G. - Man-work-freedom. p. 255.
Epshtein, S. - Against pseudo-science. p. 258.
Nechkina, M., Rudnitskaia, E., Mikulinskii, S. Sailing directions for the archival sea. p. 260.
Osokin, S. - Antarctic biography. p. 264.
Bolotnikov, N. - Tragedy of the Ihalainut. p. 266.
L'vov, Sergei. - Slovenly book. p. 269.
Brief book reviews. p. 271.
Letter to the editor. p. 276.
New books. p. 279.
Table of contents of "Novyi mir" for 1963. p. 281.

Vol. 40, no. 1, Jan. 1964.
Table of contents translated:
Kuznetsov, A. - At home; tale. p 3.
Marshak, S. - Lyric epigrams. p. 98.
Shchipachev, Stepan. - Spinner and weaver, snowstorm in the Moscow region; verse. p. 100.
Volynskii, Leonid. - The 22nd year. p. 102.
Ryl's'kyi, Maksym. - Secret of the autumn foliage, Maple leaves, Rain, Restless heart, Last roses, Lights of my city, What I hate and what I love, verse. p. 119.
Shmelev, I. - From the past. p. 124.
Morrison, John. - Australian stories We men, Rory O'Mahoney's rebellion. Translated from the English by I. Arkhangel'skaia. p. 144.
Saba, Umberto. - Verse from various years. Translated from the Italian by Evgenii Solonovich. p. 164.
Chernichenko, IU. - Virgin land road. p. 166.
Tavrov, IA. - The past year and the coming year. p. 186.
Gnedin, E. - The fate of the European legacy. p. 202.
Lakshin, V. - Ivan Denisovich, his friends and enemies. p. 223.
Literature and art
Lebedeva, L. - People on the "Voeikov." p. 246.
Soloukhin, Vl. - Years and destinies. p. 249.
Svetov, F. - Simple or not so simple. p. 252.
Aleksanian, E. - Book on a prose master. p. 256.
Matsuev, N. - New bibliography. p 258.
Siniavskii, A. - "Come with me" p. 260.
Politics and science
IAkovlev, B - Living Leninist features p 264.
Kitaigorodskii, A. - Ways to develop science. p. 267.
Pisarev, V. - Courage of a scientist. p. 271.
Turkov, A. - Under the supervision of "fine fellows." p. 273.
Gekker, IU. - Encounters in Yugoslavia. p. 275.
Kravchenko, I. - Book on Teilhard de Chardin. p. 278.
Brief book reviews. p. 282.
New books. p. 287.

Vol. 40, no. 2, Feb. 1964.
Table of contents translated
Zalygin, S. - On the Irtysh, from events in the village of Krutye Luki. p. 3.
Kuliashov, Arkadz. - New verse. p. 81.
Alatyrtsev, V. - Yes, we were cruel in war; verse. p. 83.
Zaval'niuk, Leonid. - Verse about home. p. 84.
Slavin, Lev. - Objectional offering; story. p. 88.
Kuliev, Kaisyn. - From lyrics. Translated from the Balkar by IA. Kozlovskii. p. 98.
Keshokov, Alim. - To Lermontov, verse. Translated from the Kabardian by IA. Kozlovskii. p. 100.
Goytisolo, Juan. - People on the march. Translated from the Spanish by A. Makarov. p. 102.
Gusein, Mekhti. - A month in one day, travel diary. Translated from the Azerbaijani by T. Katiakina. p. 140.
Katolin, Lev. - Great research, among Kiev computer workers. p. 168.
Belov, I. - Dormitory in Segezha, from a correspondent's notebook. p. 186.
Medvedev, Bor. - Reading through pages of history, on motion-picture journalism. p. 198.
Kuliashou, Arkadz', Berezkin, G. - The Besed' flows into the ocean, Arkadz' Kuliashov's 50th birthday. p. 217.
Literature and art.
Tarkovskii, Arsenii. - Through the language of poetry. p. 252.
Sokol'skii, M. - More about glory and anguish. p. 255.
Krymova, N. - Television and the first book about it. p. 257.
Rassadin, St. - "Do we need a pink haze." p. 261.
Pavlova, V. - Unknown pages of Sleptsov. p. 264.
Politics and science:
Kalachnikov, A. - It is more complex in life. p. 267.
Ermashev, I. - Dangerous illusions of the obsessed. p. 269.
Galanov, B. - In the far North. p. 273.
Fedorov, G. - History and poetry. p. 275.
Popkov, IU. - "Someone in black." p. 278.
Brief book reviews. p. 281.
New books. p. 287.

Vol. 40, no. 4, Apr. 1964.
Table of contents translated:
Along Lenin's path. p. 5.
Miezelaitis, Eduardas. - From a new book of verse. Translated from the Lithuanian by B. Slutskii, IU. Levitanskii, B. Okudzhava. p. 13.
Shikina, Liudmila. - Wild flowers; verse. p. 20.
Bondarev, IUrii. - Two; second book of the novel "Silence." p. 21.
Druta, Ion. - The last month of autumn; story. Translated from the Moldavian. p. 68.
Gorbatov, A.V. - Years and wars (continuation). p. 99.
Sharov, A. - Languages surrounding the world. p. 139.
Osipov, I. - Air patrol. p. 157.
Izakov, Boris. - Everything changes, even in England. p. 171.

IAkovlev, B. - Plus chemicalization. p. 197.
Verkhovskii, N. - Welcoming a new spring, notes from the Virgin Territory. p. 215.
Anikst, A. - On Shakespeare's system, on the 400th anniversary of his birth p. 233.
Literature and art
  Gallai, M. - Stories about a quiet profession. p. 242.
  Kuz'mina, E. - Durable basis. p. 244
  Portnov, V. - Ways and destinies. p. 246.
  Burtin, IU. - Personal and "public." p. 249.
  Zlobina, M. - Love and fall of Ricardo Molteni. p. 253.
Politics and science
  Lacis, O - Economics for the worker. p. 256.
  Kadishev, A. - Two army commanders. p. 258.
  Dorosh, E. - Book about the terrible tsar. p. 260.
  Zheltukov, I. - American military business. p. 263.
  Sheremet'ev, I. - Aid? No, enslavement. p. 266.
  Bershadskii, Rud. - Does this become "Znanie." p. 269.
Concerning a design of Gor'kii. p. 271.
Brief book reviews p. 275.
New books. p. 286.

OKTIABR' [OCTOBER]. Organ of Soiuz pisatelei RSFSR [Association of Writers of the R S. F S R.]. Moscow, vol. 40, no 4, Apr. 1964

Table of contents translated.
Fotieva, L. - Gorkiy in 1922 p 5.
Bulanov, I. - Reliable hands. p. 21.
Rokossovskii, K. - Everything to the working people. p. 24.
Muradeli, Vano - Military deed and at work. p. 27.
Gordeichev, Vladimir - Trenches of these years; cycle of verse. p. 30.
Sizov, Nikolai - Difficult years; a novel (conclusion). p. 33.
Ageev, Nikolai - On the parapet of an epoch, cycle of verse. p. 119.
Chulkov, V. - End of the Third Reich (to be continued). p. 123.
Lifshits, Vladimir - Telephone; a story. p. 170.
Alenin, Vitalii - Thorns of love, a story. p. 172.
Kochetov, V. - There, where a great Englishman was born and buried. p. 175.
Zerin, V. - Something new on Il'ich. p. 187.
A long talk on criticism. Litterateur. p. 188.
Inozemtseva, G. - Gorkiy is a city of music festivals. p. 190.
Klimovich, L. - Toktogul. p. 192.
Seifullina, Zoia - From the work notebooks of Lidiia Seifullina. p. 193.
Ermilov, V. - On the Russian social novel (to be continued). p. 195.
Vlasenko, A. - Poetry of truth and love. p. 216.
Orlovskii, K. - In a world of the strange. p. 219.
Brief book reviews. p. 221.

PERGALE [THE VICTORY] Organ of Lietuvos TSR rasytoju sajunga [Association of Writers of the Lithuanian S.S.R.] Vilnius, no 9, 1964. [In Lithuanian]

POD"EM [UPSWING]. Issued by Voronezhskoe otdelenie Soiuza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no. 4, July-Aug. 1964.

POLYMIA [FLAME]. Organ of Saiuz pis'mennikau BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 42, no. 7, July 1964.

PRAPOR; literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Kharkov, no. 7, 1964.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S.S.R. Petrozavodsk, vol. 21, no. 4, 1964. [In Finnish]

RADUGA [THE RAINBOW]. Organ of Pravlenie Soiuza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 14, no. 8, Aug. 1964.

SHASHKEVYCHIIANA. Issued by Markian Shashkevych Center. Winnipeg, vol. 1, no. 1, 1963; vol. 2, no. 2, 1964.

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no. 7, July 1964. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Erivan, nos. 7-8, 1964; no. 7, 1964. [In Armenian]

SUCHASNIST', literatura, mystetstvo, suspil'ne zhyttia [OUR TIME; Literature, Art, and Social Problems]. Munich, vol. 3, no. 11(35), Nov. 1963, vol. 4, no. 8(44), Aug. 1964.

TARTU FR R. KREUTZWALDI NIMELINE KIRJANDUSMUUSEUM. Kogumistoo juhend [FR. R. KREUTZWALD LITERARY MUSEUM. Instructions for Collection Work] No 1, 1961, no. 3, 1962. [In Estonian]

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 32, no. 8, Aug. 1964.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 153, Sep. 1964.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Lvov, vol. 25, no. 8, Aug. 1964.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 8, Aug. 1964. [In Kazakh]

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Leningrad, no. 3, Mar. 1963.

Table of contents translated:
Obukhova, Lidiia. - Story without an end; from the cycle "Short tales." p. 3.
Vasiutina, Evg - Slavkin's bride, a story. p. 13
Matveeva, Novella. - Dream, verse. p. 22.
Dubrovina, Elida. - Mama; Storm, verse. p. 24.
Borisova, Rina. - Dialogue of love; Terrible news; verse. p 25.
Popova, Liudmila. - Robertino Loretti, So much to do and so little time. , verse. p. 28
Maliarova, Irina. - On the highway, Ballad of the eternally living; verse. p. 29.
Solunova, Sof'ia - Letter to Mother; I'm starting to live again; I knew: There is truth; verse. p. 30.
Slonimskii, Mikhail. - Seven years later; a novel (conclusion). p. 32.
Smolian, A., Chentsov, D. - Here, in the very heart of Africa, a tale about Patrice Lumumba (to be continued). p 89.
Mikhalev, M. - Autumnal group. p. 129.
Grigor'eva, A. - Wondrous threads. p. 142.
Fedorov, N. - Television and ... bread. p. 143.
Karyshev, O. - Fire without smoke. p. 144.
Popel', N. - Berlin is before us! (to be continued). As told to M. Kheifets. p. 145.
Vechtomova, El. - Paths and destinies. p. 169.
Akimov, A. - Two revolutionary surnames. p. 176.
D'iakov, Boris. - Experienced. p. 177.
Moldavskii, Dm. - Petroleum and a rainbow. p. 197.
Glinkin, P. - Themes, heroes, conflicts. p. 207.
Gubko, N. - Man triumphs, on A. Solzhenitsyn's tale "One day in the life of Ivan Denisovich." p. 213.
Abramov, Fedor. - Must one always mourn? (on A. IAshin's tale "Orphan"). p. 216.
Grodzinska, Stefania. - On new sources of energy. Translated from the Polish by IAnina Markulan. p 218.
Kireev, R. - In detail about details; At any price; verse. p. 219.
Shustov, V. - Habitual paradox; Tips and the "Chaika" automobile; verse. p. 219.
Vysokovskii, Zinovii. - Chameleon; a scene much like Chekhov's. p. 220.
From foreign humor. Translated from the Polish by V. Zateplinskii and from the Swedish by L. Mikhailov. p. 221.

No. 7, July 1964.

Table of contents translated:
Kron, Aleksandr. - Home and ship; part one of a novel (to be continued). p. 3.
Mieželaitis, Eduardas. - There is in Russia, in the aquiline ravines.... Translated by Vs. Rozhdestvenskii. p. 104.
Macevičius, Juozas. - Hands. Translated by S. Botvinnik. p. 105.
Maldonis, Alfonsas. - Until now, earth, I have been afraid.... Translated by Stanislav Kuniaev. p. 105.
Mozuriunas, Vladas. - Sculptor-sun. Translated by Vs. Rozhdestvenskii. p. 106.
Baltakis, Alg. - Friendship. Translated by S. Pogorelovskii. p. 106.
Reimeris, Vacys. - Early morning in the city. Translated by G. Pagirev. p. 107.
Tilvytis, Teofilis. - Verse. Translated by Vsevolod Azarov. p. 107.
Drilinga, Antanas. - Spring is needed. Translated by Bronislav Kezhun. p. 108.
Lithuanian "dainos." Translated by A. Prokof'ev and A. Chepurov. p. 108.
Shefner, Vadim. - Human unit; a story. p. 112.
Steinbeck, John, Rikkets, Ed. - Sea of Cortez (to be continued). Translated from the English by M. Kopelianskaia and A. Shaposhnikova. p. 120.
Kukushkin, Vasilii. - Deep concerns. p. 130.
Artiukov, Nikolai. - Legislators of the fields, from an agronomist's notebook. p. 144.
Vladimirova, A. - Again a dirigible. p. 153.
Karyshev, O. - Drowned rivers. p. 154.
Suslova, E. - Sculptor Mikhaila Pavlov. p. 155.
Kulakovskii, Aleksei. - Citizens of Soligorsk (Chemical industry workers). Translated from the White Russian by P. Kobzarevskii. p. 158.
Shestalov, IUvan. - Letter from the Ob'. p. 170.
Shakhidzhanian, V. - Motion-picture amateur asks to be heard. p. 172.
Travinskii, V. - Madmen at work. p. 175.
Meilakh, B. - Man, science, destinies of art; remarks concerning a controversy (to be continued). p. 194.
Zyrin, A. - By the light of truth; on Ivan Shamiakin's novel "Heart in hand." Translated from the White Russian. p. 207.
Khmel'nitskaia, T. - Tangible world; on Vadim Andreev's tale "Childhood." p. 209.
Liubatskaia, G. - The book of selected verse "The march was started when we were young, ..." by Vissarion Saianov. p. 213.
Ziuzin, V. - IU. Piliar's novel "People remain people." p. 213.
Kalent'eva, A. - The book "Pure gold of truth" by IU. Barabash. p. 214.
Rakovskii, L. - The book "Marshal Tukhachevskii" by A. Todorskii. p. 215.
Maliarova, Irina. - Anatolii Zhigulin's book of verse entitled "Rails." p. 216.
Vechtomova, Elena. - The book "We serve life" by V. Skipetrova. p. 216.
Alenin, Vit. - Guests; a story. p. 217.
Glazkov, Mikhail. - Parodies. p. 220.
Shurgin, M. - About old Demid, Proud stork; stories. p. 220.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

NARODNA TVORCHIST' TA ETNOGRAFIIA [FOLK ART AND ETHNOGRAPHY]. Issued by Instytut mystetstvoznavstva, fol'kloru ta etnografii Akademii nauk URSR and Ministerstvo kul'tury Ukrains'koi RSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S.S.R. and the Ministry of Culture of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 3, May-June 1964.

Table of contents translated:
Decree of the Presidium of the Supreme Soviet of the U.S.S.R. on the award of the title of Hero of the Soviet Union to Comrade Nikita Sergeevich Khrushchev. p. 3.
To the First Secretary of the Central Committee of the Communist Party of the Soviet Union and the Council of Ministers of the U.S.S.R. p. 3.
Khrushchev, N.S. - Cordial thanks. p. 4.
Editorial: The new life and the atheistic education of working people. p. 6.
Ryl's'kyi, M. F. - Shevchenko's new language. p. 10.
Zinevych, H. P. - Anthropological features of the ancient population of the Ukraine. p. 18.
Naulko, V. I. - Nationality composition of the population of the Ukrainian S.S.R. p. 24.
Molchanova, L. A. - Planning the modern dwellings for White-Russian collective farmers. p. 29.
Oliinyk, B. U. - The songs in Marko Vovchok's novel "Karmeliuk." p. 34.
Stel'mashchuk, S. I. - Songs of one village to words by Shevchenko. p. 39.
Symonenko, P. L. - The holiday of steppe guardsmen. p. 41.
Malanchuk, V. A., Figol', D. I. - Embroidery in present everyday life. p. 43.
Horlenko, V. F. - Extension of the first Russian ethnographic program to the Ukraine. p. 46.
Ul'ianova, L. N. - Embroidered or woven? p. 51.
Skrypka, V. M. - New recordings of Czech songs from the Zhitomir region. p. 54.
Soroka, I. L. - An enthusiast of local history. p. 58.
Solomchenko, O. H. - The ornament of Transcarpathian painted eggs. p. 60.
Kinko, A. M. - From the folk tales of Shevchenko's country. p. 65.
Kushnarenko, D. A. - Shevchenko as a hero of traditions and legends. p. 68.
Hrytsy, S. I. - Ludvik Kuba's letters to N. V. Lysenko. p. 72.
Syzonenko, Z. M., Humenyuk, A. I. - Folk dances (conclusion). p. 74.

Kvelchor, V.N. - Gems of folklore in Lenin's works. p.85.

Berezovs'kyi, I.P. - The people praise Lenin. p.90.

Bulat, T.V., Zhuyk, V.T. - Harvest feast in the Ukraine. p.93.

Okhrimenko, P.P. - Songs of the toilers. p.94.

Holoshko, H.M. - Plays for an amateur theater. p.96.

Krytsa, S.I. - A Czech scientist about the Ukraine. p.97.

Nazarenko, H.I., Rudnik, V.A. - Nations celebrate T.H.Shevchenko's anniversary. p.99.

Anniversary session of the Academy of Sciences of the Ukrainian S.S.R. p.100.

Ukrainian publishing houses honor Shevchenko's anniversary. p.101.

Hrynych, V.M. - An exhibition of folk decorative art. p.104.

History of the Ukrainian towns and villages. p.106.

[illegible], V.E. - A regional conference on the [illegible] of new Soviet cities. p.108.

[illegible], A.V. - The feast of the newborn. p.109.

Tymchuk, M.P. - An interesting folk custom. p.110.

Pilyts'kyi, A.M. - Honoring the memory of H.T. [illegible]. p.110.

b. GEOGRAPHY

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geograficheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no.4, 1964.

Table of contents translated:

[illegible], A.V. - Geography and economy. p.5

[illegible], I.V. - Interaction of nature and society and modern geography. p.13.

Development of international relations in the field of geography and preparations for the 20th International Geographical Congress; report of the National Committee of Soviet Geographers. p.23.

Vendrov, S.L., Malik, L.K. - Practice in determining the influence of large reservoirs on the local climate. p.36.

[illegible], K.N., [illegible], A.IU. - Local climate of the Rybinsk Reservoir. p.47.

[illegible], I.I. - Influence of the Volga runoff regulation on the development of its delta. p.53.

[illegible], A.A. - Drop in the productivity of the natural pastures of the Volga-Ural interfluve and possibilities to improve them. p.58.

[illegible], D.V. - Comprehensive development of the natural resources of the southern part of the Ob' Basin. p.67

[illegible], F.M., Smoliar, I.M. - Studying several prerequisites of the industrial development of small and medium size cities in the Central Economic Region. p.79.

[illegible], B.IA. - Improving the economic zoning of the Kazakh S.S.R. in connection with working out the five-year plan for 1966-1970. p.90

[illegible], V.P., Armand, D.L., Karpov, I.N. - Reevaluation of natural resources in the foreign countries. p.94.

Viktorov, S.V. - Vegetation as an indicator of gypsum accumulation in the sands of the Karyn Yarykh peninsula. p.111.

[illegible], V.A. - New data on the geomorphology of the Dnieper Valley between [illegible] and [illegible]. p.114.

Makkaveev, N.I., Chalov, R.S. - Surface relief development of river terraces and the symptoms of river bed erosion based on the example of the [illegible]. p.120.

[illegible], I.D. - Duration of the cold season on the territory of the U.S.S.R. p.125.

Polevoi, B.P. - I.M.Rubets' forgotten expedition to Kamchatka in the 1660's. p.130

[illegible], IU.F. - Geomorphological cycles. p.136.

[illegible], A.F. - Organization of work on the distribution of industries in Bulgaria and Czechoslovakia. p.142

[illegible] Markovskii, L.V., Kunin, V.N. - Australian symposium on water resources. p.146.

Mints, A.A. - First geographical monograph on the distribution of rural population in the U.S.S.R. p.153.

Marinich, A.M. - The first Congress of the Geographers of the Ukrainian S.S.R. p.156.

Chaplygina, A.S., Gal'tsov, A.P. - Symposium on atmospheric processes on a global scale. p.158.

[illegible], V.I. - The Second Conference of the Young Geographers of Siberia and the Far East. p.162.

[illegible], M., Khorev, B. - Conference on the study of small and medium size cities of the Central Economic Region. p.165.

AKADEMIIA NAUK SSSR. Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography. Transactions]. Moscow, vol.72, 1963. (Marine meteorological studies.)

Table of contents translated:

Burlutskaia, V.M. - Thermodynamic properties of air masses in the northern part of the Pacific Ocean. p.3.

Burmistrova, V.D. - Regions of anticyclogenesis over the southern part of the Pacific Ocean. p.41.

Luk'ianov, V.V. - Tropical cyclones of the Pacific Ocean. p.50.

Luk'ianov, V.V., Burmistrova, V.D. - Speed of movement of cyclones and anticyclones over the northern part of the Pacific Ocean. p.72.

Luk'ianov, V.V. - Study of the upper baric formations over the northern part of the Pacific Ocean. p.78.

Romanov, IU.A. - Maps of prevailing and resultant wind, turbulence and divergence of resultant wind over the Pacific Ocean. p.94.

Snopkov, V.G. - Frequency and duration of the various types of synoptic situations over the Sea of Japan. p.106.

Kuznetsov, O.A. - Aerodynamic roughness of the sea surface. p.114.

Snopkov, V.G. - Determination of the coefficient of turbulent transfer in the lowest layer of the atmosphere above the sea surface. p.130.

Soliankin, E.V. - Radiation balance of the surface layer of the Black Sea. p.155.

Khmelevskaia, L.V. - Temperature regime of the Norwegian and Greenland Seas. p.167.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut geografii Sibiri i Dal'nego Vostoka. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of the Geography of Siberia and the Far East. Reports]. Irkutsk, no.1, 1962.

Table of contents translated:

Sochava, V.B. - Geographical aspects of the scientifically founded mastering of the taiga according to the plan. p.3.

Krotov, V.A. - Practical significance of geography in the U.S.A. (in connection with the geography of Siberia). p.14.

Sochava, V.B. - Practice in dividing the Far East into physicogeographical regions and provinces. p.23.

Bachurin, G.V., Vavilova, V.A. - Water supply, volume and regime of the Ilim Basin rivers. p.34.

Shotskii, V.P., Komarovskaia, V.P. - Characteristics of agricultural development in the newly industrially developed regions of southern taigas; based on the example of Nizhneilimsk District. p.49.

Vershinskii, B.V., Balaganov, V.IA. - Focus of taiga encephalitis and the dynamics of vegetation cover. p.59.

Kleopov, I.L. - In the Institute of the Geography of Siberia and the Far East. p.66.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Komissiia po izucheniiu podzemnykh vod Sibiri i Dal'nego Vostoka. Materialy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Committee for the [illegible]

Table of contents translated:

Tolstikhin, N.I. - Principles of the structural and hydrogeological regionalization of Siberia. p.2

Baskov, E.A. - Some problems of the paleohydrogeology of the Siberian Platform. p.10.

Zaitsev, I.K. - Hydrogeological map of the U.S.S.R. made on a 1:5,000,000 scale. p.19.

Nudner, V.A. - Methods for the compiling of general hydrogeological maps. p.34.

Neliubin, V.V. - Characteristics of the hydrogeological conditions of continental sediments in Tyumen' Province. p.37.

Egorov, S.V. - Basic characteristics of the hydrogeology of the southern part of the West Siberian Plain. p.43

Mikhailova, E.V. - Underground waters in the south of the West Siberian Plain and their practical significance. p.53.

Sipachev, V.P. - Underground waters of Tomsk Province. p.60.

Rogov, G.M., Ponomarev, V.V., Makhov, A.I. - Underground waters of the central Jurassic artesian basin of the Kuznetsk Basin. p.68.

Tolstikhin, N.I. - Hydrogeology of central Siberia. p.72.

Burlakova, M.A. - Underground waters in the southern part of the Krasnoyarsk Territory. p.82.

Shvartsev, S.L. - Underground waters in the Yenisey Valley of the Siberian Platform. p.90.

Pinneker, E.V., Uglanov, I.N., Shuranova, N.N. - Underground waters of Irkutsk Province. p.101.

Bolotina, N.M. - Geology and hydrogeological conditions of the Angara-Vikhoreva interfluve. p.112.

Lomonosov, I.S., Murav'eva, L.V. - Underground waters of traps in the southwestern part of the Siberian Platform. p.116.

Ivasilova, R.F. - Hydrogeology of the foothill part of the Eastern Sayan Mountains. p.125.

Kurennoi, V.V. - Water-bearing horizons in the sediments of the Verkholenskian series in the south of the Angara-Lena artesian basin. p.130.

Pinneker, E.V. - Underground waters of the Irkutsk Basin. p.138.

Livshits, I.A., Pisarskii, B.I. - Hydrogeological conditions and the water encroachment of mineral deposits in the Slyudyanka mining region. p.146.

Tkachuk, V.G., Stepanov, V.M., Volkova, M.A. - Underground waters of the Buryat A.S.S.R. p.154.

Fotiev, S.M., Lugovoi, P.N. - Increased water content of the crystalline rocks in the western part of the Aldan Shield. p.164.

Lugovoi, P.N. - Hydrogeological characteristics of the Olekma-Chara interfluve. p.176.

Stepanov, V.M., Bogdanova, L.L. - Hydrogeological conditions in the Ingoda-Bylyra interfluve of central Transbaikalia. p.186.

Baikhlin, I.B. - Underground waters of the Khabarovsk Territory. p.195.

Bogatkov, N.M. - Problems in the hydrogeology and engineering geology of the southern part of the Far East. p.205

Kiriukhin, V.A. - Artesian basins in the south of the Far East. p.213.

Baikhlin, I.B. - Underground waters of Sakhalin. p.224

Zelenkevich, A.A. - Hydrogeological map of the northeastern area of the U.S.S.R., Kamchatka, and the Kurile Islands made on a 1:2,500,000 scale and characteristics of the formation of underground waters on that territory. p.229.

ER VA EL [EARTH AND PEOPLE]. Tashkent, no.1(5), 1963. [In Uzbek]

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol.96, no.3, May-June 1964.

Table of contents translated:

Kodes, I.I. - The largest depository of maps and atlases; on the 150th anniversary of the M.E. Saltykov-Shchedrin Public Library. p.169.

Anokhina, Z.V. - Natural conditions of the Mediterranean zone of Europe, Northern Africa and Asia. p.176.

Tikhomirov, A.I. - Practice in calculating the temperature of Ladoga Lake surface water. p.183.

Avgevich, V.I. - Aeromethods in polar sea ice studies. p.197.

Leizerovich, E.E. - Economic geography and several problems of the industrial development of southern Turkmenistan. p.206.

Zevakin, M.I. - Ethnogeny of the Burtasses; new documents and materials. p.213.

Mil'kov, F.N. - First regional results of interuniversity studies on the physicogeographical regionalization of the U.S.S.R. p.221.

Gluzdakov, S.I. - Relict landforms of the Todzha Depression. p.225.

Malysheva, G.S. - Method of medium-scale phenological mapping. p.226.

Saf'ianov, G.A. - Hydrochemical method for calculating the rate of the abrasion process. p.231.

Konovalov, V.G. - Life of the glacier and its ablation. p.234.

Gvozdetskii, N.A. - The largest karstic caves of the world and the U.S.S.R. p.236.

Batuev, A. - The Yur'yevets "son." p.241.

Lukin, V.S., Perevozchikov, B.F. - Mass sink formation in the city of Severoural'sk as a result of the change in the regime of underground waters. p.241.

Shuvalov, N.I. - Monuments of military glory; several characteristics of the toponymy of the populated localities of Chelyabinsk Province. p.244.

Guretskii, V. - About O.E.Kotsebu's grave. p.247.

Otorbaev, I. - Geographical research and geographical science in Kirghizistan. p.247.

Nefedov, V.A. - Modern significance of the Canadian Arctic Archipelago and the Northwest Passage. p.250.

Stepanov, A.IA., Borisov, A.A. - Aleksandr Mikhailovich Arkhangel'skii; on his 60th birthday. p.255.

Parmuzin, IU.P. - Reports of the Institute of the Geography of Siberia and the Far East. p.257.

Laktionov, A.F. - "The history of the discovery and exploration of Antarctica" by A.F.Treshnikov. p.259.

Obruchev, S.V. - The Gobi Altai earthquake. p.262.

Smetanich, V.S. - Perm Province calendar-reference books. p.263.

Il'in, A.V. - Planning atlas of the German Federal Republic. p.264.

Voronov, P.S. - More on the general correlation features of the areas of continents. p.267.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Otdelenie matematicheskoi geografii i kartografii. Materialy [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Department of Mathematical Geography and Cartography. Materials]. Leningrad, no.1, 1961.

Table of contents translated:

Demin, L.A. - Sea atlas. p.4.

3 12-12

[illegible] – [illegible] Vil'kitskii's cartographic works p 17

[illegible], K. A – Andrei Ippolitovich Vil'kitskii, [illegible] p 2[illegible]

[illegible], O S – What is known about the [illegible] of the earth p 42

[illegible] K S – On the "Geodesy and cartography" [illegible] p 47

[illegible] A Z – Atlas of Antarctica p 49

[illegible] V G – Gerardus Mercator's anniversary [illegible]

[illegible], I P – [illegible] tradition p 54

[illegible] I D – Work of the IU M Shokal'skii Branch of [illegible] Geography and Cartography p [illegible]

[illegible] I B – Preparation of printed catalogs of [illegible] works p 57

LENINGRAD ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE Transactions] Vol 261, 1964
Contents [Materials of the observations of the "North Pole-8" and "North Pole-9" research drifting stations in 1960-1961] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-8" i "Severnyi polius-9" 1960/61 goda 559 p.

REFERATIVNYI ZHURNAL GEOGRAFIIA [JOURNAL OF ABSTRACTS GEOGRAPHY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S R] Moscow, no 8, Aug 1964

VOKRUG SVETA [AROUND THE WORLD]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 6, 8, June, Aug. 1964.

c GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Nauki o zemle [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Earth Sciences]. Erivan, vol. 17, no. 2, 1964.

Table of contents translated:

Gokhtuni, N G – Koturvan fossil flora. p 3

Mamedzade, R N. – Facies, paleobionomy, and paleogeography of the Koshkarchay-Debed interfluve (Lesser Caucasus) p. 17.

Avakian, G S – Distribution of stresses in flexural strains of the earth's crust. p 29

Amirian, Sh. O, Karapetian, A. I – Mineralogical and geochemical characteristics of the ores of the Megradzor gold-bearing deposit p 37

Vaniushin, S. S – Basic characteristics of the localization of mineralization in the Kafan ore zone. p 49

Galstian, A. R – Effect of the anion and cation composition of waters on the passage of chromium ores in aqueous solution p. 63.

Mkrtchian, K A, and others – Ancient mining and metallurgic structures of Metsamor (Armenia). p. 69

Paffengol'ts, K N. – Reply to A. A. Gabrielian, I. A. Krobkov, and L. V. Mironova's review of A. K. Alekseev's book "Paleogene mollusk fauna in the northern part of the Ural Mountain region." p. 75.

AKADEMIIA NAUK SSSR. Komissiia po izucheniiu chetvertichnogo perioda Biulleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. Commission for the Study of the Quaternary Period Bulletin]. Moscow, no. 29, 1964

Table of contents translated:

Strelkov, S. A, Martynov, V A., Mizerov, B V – Stratigraphy of the Quaternary sediments of Western Siberia p. 3

Sergio Venzo – Boundary between the Pliocene and Pleistocene in Italy p. 15

Dubrovo, I A, Alekseev, M I – Stratigraphy of Quaternary sediments in the region of the Sea of Azov p. 35

Baigusheva, V S – Khapry fauna of the Liventsovskii sand quarry (Rostov Province). p 44.

Praslov, N D – Paleolithic monuments of the lower Don and the northeastern region of the Sea of Azov and their stratigraphic significance p. 51.

Konstantinova, N. A. – Geological age of terraces in the lower reaches of the Prut and Danube Rivers. p 67

Golshtein, I. D. – Recent tectonics of the upper Dniester Valley. p 81.

Velichko, A A – Glacial dislocations in the vicinity of Uglich and their place among the types of glacial tectonics p 90

Lavrushin IU A – Relationship between marine and continental sediments in the Spasskoye-Privolzh'ye region of the middle Volga Valley p 102.

Efimtsev, I A. – Structure and origin of the Quaternary sediments of the Chuya and Katun' Valleys in the Gornyy Altai p 115

Golubeva, L V, Ravskii, E I – Climatic time phases of the Zyryanka glaciation in Eastern Siberia p 132

Aleksandrova, L P – Sedimentation and zoning of the paleolandforms of the Lake Baikal region and western Transbaikalia in the Lower Eopleistocene p 149

Simson, P, Radulesku, K – "La Adam" Paleolithic caves in the Dobruja. p 156.

Gromova, Vera – Methods for studying the teeth of fossil elephants p. 165

Treskin, N A – Relicts of polygon ground and polygonal manifestation in the central regions of the European part of the U.S.S.R p 168

Liubin, V P, Petrakov, I I. – Moustier site Zolotarikha near Belev (Tula Province) p 171.

TSeitlin, S M – New Paleolithic site in the Yenisey Valley p 175

Kriger, N. I., Kopylova, V. P. – Pleistocene "frost" and "arid" wedges in the Lake Balkhash region p. 183

Kaplianskaia, F A, Tarnogradskii, V D., Vangengeim, E A – Possibility of the separation of Taz layers in a cross section of the periglacial sediments in the Tobol'sk portion of the cis-Ural region p 189.

Ivanova, I. K. – Second Conference on the Problems of of Stratigraphy and Periodization of the Paleolith p 196

AKADEMIIA NAUK SSSR. Laboratoriia geologii dokembriia. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]. Moscow, no. 19, 1964. [Pre-Cambrian geology and geochronology.]

Table of contents translated.

Eliseev, N A, Shurkin, K. A – Academician Aleksandr Alekseevich Polkanov. p. 3.

Krats, K. O – Academician A A. Polkanov and current problems of the Pre-Cambrian of the Baltic Shield p. 17.

Polkanov, A A, Krats, K. O, Shurkin, K. A – Pre-Quaternary geology of Karelia and the Kola Peninsula. p. 24.

Kharitonov, L. IA. – Geology of Karelian foldings in the Kola Peninsula. p 45.

Shurkin, K. A – Genetic types of small fold deformations in the gneisses and migmatites and their significance for structural mapping as revealed by a study of the Archean in the White Sea region. p 58.

Gorlov, N. V. – Structural prerequisites for forecasting the Archean pegmatites in the northwestern White Sea Region. p. 77.

Belevtsev, IA N, Pruss, A. K. – New conceptions of the Pre-Cambrian formation of the Ukrainian Shield. p. 81

Nikol'skii, A. P. – Metamorphism of the Upper Archean rocks in the southwestern part of the Russian Platform. p. 91.

Solov'ev, S P. – Main characteristics of the ancient formations of the Greater Caucasus. p. 100.

Kosygin, IU. A., and others. – Relation of the Russian Platform to the geosycline areas in the Pre-Cambrian p. 111.

Buzikov, I. P., and others. – Basic characteristics of the development of the Eastern Sayan Mountain mobile area. p. 117.

Velikoslavinskii, D. A., Petrov, B. V. – Stratigraphy and metamorphic zoning of the Upper Pre-Cambrian of the Northern Baikal Highland and Patom Plateau conjugated area p. 126.

Sudovikov, N. G. – Synthesizing the geological principles employed in making metallogenic maps of Pre-Cambrian areas. p. 132.

Drugova, G. M. – Lower Archean rocks of the Aldan complex in the zone of the Stanovoy orogeny. p. 140

Krylova, M. D. – Lower and upper boundaries of the Stanovoy complex. p. 149

Glebovitskii, V. A –Structural relations between the Aldan and Stanovoy complexes p. 156.

Sedova, I. S. – Metamorphism of the Upper Stanovoy granitoids in the western spurs of the Turkuringra Range. p. 166.

Polkanov, A. A, Gerling, E. K. – Preliminary Pre-Cambrian age scale of Hercynides for the Baltic Shield. p. 176.

Vinogradov, A. P., Tugarinov, A. I. – Pre-Cambrian geochronology of the eastern part of the Baltic Shield based on lead-uranium-thorium dating. p. 185.

Gerling, E K, Kol'tsova, T. V., IAkovleva, S. S. – Comparative study of the age of micas, amphiboles, and pyroxenes by argon dating. p. 204

Nikitina, L. P, and others. – Rejuvenation processes in the different ages of the Pre-Cambrian rocks in the Eastern Sayan Mountains. p. 210

Kitsul, V. I. – Geochronological significance of the ultrabasic alkali intrusions in the Aldan Shield p. 228.

Nikitin, IU V – Absolute age of mica-bearing pegmatites in the Rekalatva deposit (Kola Peninsula). p. 236.

Maslenikov, V. A – Some physicochemical and geological conditions governing the formation of granite magma. p. 239.

Perekalina, T. V – Methods for the study of granite plutons (as revealed by a study in central Kazakhstan) p 250.

Eliseev, N A, Kushev, V. G – Intrusions of alkaline-earth syenites, their internal structure and chemical composition (the region of the Sea of Azov) p. 255.

TSarovskii, I. D. – Nepheline syenite in the middle Dnieper Valley and the region of the Sea of Azov. p. 272.

Vinogradov, D. P – Small intrusion granites in the region of the Sea of Azov. p. 277.

Polovinkina, IU Ir – Origin of labradorites in the Ukraine. p. 282.

Dagelaiskii, V. B. – Chagve-Uayv pluton of alkali rocks (Kola Peninsula), new data on geology, petrography, and geochronology. p. 286.

Bondarenko, L. P. – Paracharnockites in the central part of the Kola Peninsula. p. 300.

Bogachev, A. I., and others. – Basic characteristics of the structure and sulfide mineralization of the Pechenga-Lotta interfluve (northwestern part of the Kola Peninsula). p. 306.

Sokolov, IU. M – Garnets as criteria for the isolation of pegmatite provinces (Northern Baikal pegmatite belt). p. 312.

Mantulova, M. M., Asianov, I. K., Terent'eva, M. V. – Characteristics of the geological position and mineralization of the rare-metal pegmatites of one of the regions in Siberia. p. 322.

Kushev, V. G., Terent'eva, M. V. – Characteristics of mineral formation in rare-metal pegmatites from Upper Archean metamorphic rocks and some features of their genesis. p. 331.

Mikhailov, D A., Duk, V. L. – Some characteristics of the geology and geochemistry of the Archean metasomatic formations in the Aldan Shield. p. 344.

Vardaniants, L A. – Calcium metasomatosis in the Tyrnyauz Range (central Caucasus). p. 355.

Shinkarev, N. F. – Some characteristics of the petrogenesis of rocks containing ferruginous olivine p. 359.

Mironchuk, M. G. – Some characteristics of the postmagmatic mineral formation of nickel-bearing intrusions. p. 364.

Kushev, V. G. – Microurdalite dike in the region of the Sea of Azov. p. 381.

AKADEMIIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology. Transactions]. Moscow, Vol. 104, 1964.
Contents: Bekker-Migdisova, E. E. [Tertiary Homoptera in the Stavropol region] Tretichnye ravnokrylye Stavropol'ia. 107 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]. Novosibirsk, no. 26, 1963.
Contents: Provodnikov, L. IA. [Collection of dot charts for determining the elements of magnetized bodies (depth, magnitude, and intensity of magnetization) without error in selecting a normal field] Al'bom paletok dlia opredeleniia elementov zaleganiia namagnichennykh tel (glubiny, moshchnosti i intensivnosti namagnicheniia) bez oshibki za vybor normal'nogo polia. 38 p. diagrs. (in portfolio)

AKADEMIIA NAUK URSR, Kiev. Instytut geolohichnykh nauk. Trudy. Seriia geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences. Transactions. Series in Geotectonics]. Kiev, no. 16, 1964.
Contents: Chebanenko, I. I. [Problems of the fold belts of the earth's crust in the light of block tectonics] Problema skladchatykh poiasov zemnoi kory v svete blokovoi tektoniki. 142 p.

APATITY. SEISMICHESKAIA STANTSIIA. Materialy nabliudenii [SEISMIC STATION. Observations]. Jan.-June 1963.

GEOLOGICHESKOE OBSHCHESTVO GRUZII. Izvestiia [GEOLOGICAL SOCIETY OF GEORGIA. Bulletin]. Tiflis, vol. 1, no. 1, 1959.

Table of contents translated:

Kacharava, I. V. - Boundary problems of the Oligocene and Miocene in the Gori-Norio region. p. 3.

Vakhaniia, E. K. - Stratigraphy of the Lower Miocene sediments of Georgia. p. 17.

Eristavi, M. S. - Changes of the Lower Cretaceous fauna of Georgia in connection with geological history. p. 71.

Nazarov, IU. I. - Formation of the Madneuli ore zone. p. 93.

In the geological organizations of Georgia. p. 113.

Scientific sessions and conferences. p. 117.

Brief news. p. 125.

LENINGRAD. VSESOIUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol. 97, 1964. Materialy po geologii Vostochnoi Sibiri [Materials on the geology of Eastern Siberia].

Table of contents translated:

Preface. p. 3.

Dzevanovskii, IU. K. - Southeastern fold margin of the Siberian Platform. p. 5.

Leiptsig, A. V. - History of the formation of structures in the eastern regions of the Siberian Platform. p. 11.

Alliasov, I. P., Singaev, N. A. - Structure of the conjugated zone in the northern part of the Siberian Platform with its marginal fold systems. p. 31.

Dragunov, V. I., Smirnova, E. B. - Characteristics of the tectonic pattern of the northwestern margin of the Central Siberian Plateau. p. 41.

Liatskii, V. B. - Tectonic characteristics of the ancient structures of the Eastern Sayan Mountains. p. 59.

Konikov, A. Z., Man'kovskii, V. K. - Stratigraphy of the ancient sediments of the Eastern Sayan Mountains in connection with the problem of separation and division of the late Pre-Cambrian. p. 73.

Golovenok, V. K. - Possibilities of paleogeographic reconstruction in Pre-Cambrian metamorphic formations. p. 91.

Plotnikov, L. M. - Dynamic metamorphism of Sinian sediments in the eastern margin of the Yenisey Range. p. 111.

Masaitis, V. L. - Igneous trap subprovinces in the Siberian Platform. p. 137.

Il'iukhina, N. P. - Stratigraphy and the conditions governing the formation of the Carboniferous sediments of the Angara Basin. p. 159.

Vol. 103, 1964. Materialy po geologii i mineralogii rudnykh mestorozhdenii SSSR [Materials on the geology and mineralogy of ore deposits in the U.S.S.R.].

Table of contents translated:

Preface. p. 3.

Shcheglov, A. D. - Endogenetic deposits of activated fold areas. p. 11.

Ken, A. N. - Geological formations in the central part of the Altai-Sayan fold area and their ore potentials. p. 25.

Lutkovskaia, T. A., Sokratov, G. I., IAkubovich, V. S. - Sedimentary and volcanic sedimentary formations, intrusive complexes, and metallogenetic zones in the southwestern part of the Zaysan geosyncline. p. 59.

Rundkvist, D. V., Denisenko, V. K. - Some characteristics of the structure and distribution of the mineralization of the Dzabyk-Karagny intrusive. p. 85.

Mikel'son, E. E. - Geology and the history of the formation of the Aksor ore zone (central Kazakhstan). p. 103.

Bogdanov, IU. V., Kochin, G. G. - Geology and characteristics of the distribution of gold-copper-complex metal deposits in the northeastern part of the Lake Baikal region. p. 127.

Mudrogina, N. S., Nasybulin, N. N. - Structural and morphological types of deposits in the Zeravshan-Gissar antimony-mercury belt. p. 145.

Shurupova, R. I. - Some characteristics of the formation of the Lysansk titanium-bearing gabbro-pyroxenite complex (western part of the Eastern Sayan Mountains). p. 155.

Markov, K. A. - Interrelationship of sulfoarsenide-cobalt mineralization and skarns. p. 170.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROGEOLOGII I INZHENERNOI GEOLOGII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HYDROGEOLOGY AND ENGINEERING GEOLOGY. Transactions]. No. 5, 1964.

Contents: Cherniak, G. IA. [Dielectric methods for studying the moisture of soils] Dielektricheskie metody issledovaniia vlazhnykh gruntov. 127 p.

No. 8, 1964.

Contents Bondarik, G K. [Dynamic and static soil sounding in engineering geology] Dinamicheskoe i staticheskoe zondirovanie gruntov v inzhenernoi geologii. 162 p.

No. 12, 1964.

Contents: Brodskii, A A. [Fundamentals of hydrogeochemical prospecting methods for sulfide deposits] Osnovy gidrogeokhimicheskogo metoda poiskov sul'fidnykh mestorozhdenii. 257 p.

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Biulleten' [MOSCOW NATURALISTS' SOCIETY. Bulletin]. New series, vol 68 Otdel geologicheskii [Geological Section] Moscow, vol 38, no 6, Nov.-Dec. 1963

Table of contents translated.

Salun, S. A. - Basic characteristics of the tectonics and the development of the history of the basement in the Sikhote-Alin' region. p. 3.

Kiriukhin, L. G., Kleiner, IU. M., Sliusarev, A. N. - Tectonic structure of the platform mantle of the eastern part of the northern Kyzylkum syneclise. p. 17.

Belostotskii, I. I. - Overthrust sheets and gravity structures in the western part of the central Dinara. p. 24.

Rats, M. V. - Statistical-genetic method for studying fracturing. p. 54.

Rastvorova, V. A. - Ancient denudation surfaces in the central Caucasus. p. 65.

Activity of the geological sections of the Moscow Naturalists' Society. p. 147.

Chikishev, A. G. - Conference on the problem of the physical geography of the Ural Mountains. p. 147.

Drushchits, V. V., Mikhailova, I. A. - Boundary between the Apt and the Alba. p. 84.

Dubrovo, I. A. - New data on the Taman fauna complex of vertebrates. p. 94.

Vialov, O. S. - Problems on the Silurian of Kazakhstan. p. 100.

Sadreev, A. M., Khromov, V. T. - Experience in layer by layer correlation of the rhythmic sections of the Middle Miocene sediments in the Kronotskiy Isthmus (eastern Kamchatka). p. 106.

Martynov, E. G., Petukhov, A. V. - Pyrometamorphism of disseminated organic matter in the Lower Jurassic sedimentary rocks of the Crimea. p. 114.

Varsanof'eva, V. A. - Vladimir Afanas'evich Obruchev and his role in the development of geological science; on the centenary of his birth. p. 120.

PRIRODNAIA OBSTANOVKA FAUNY PROSHLOGO [THE NATURAL ENVIRONMENT AND FAUNAS OF THE PAST]. Issued by Institut zoologii Akademii nauk Ukrainskoi SSR [Institute of Zoology of the Academy of Sciences of the Ukrainian S S R.]. Kiev, no. 1, 1963.

Table of contents translated

Preface. p. 3.

Pidoplichko, I G - Present-day problems and the objectives of studying the history of faunas and the environment they inhabited. p. 9.

Makeev, P. S - Natural conditions of Paleolith based on archaeological data p. 31.

Chuvardinskii, V. G - Continental glaciation of Finland and Scandinavia. p 66.

Moliavko, G. I - Natural conditions of the southern Ukraine in the Pliocene. p. 97.

Pidoplichko, I G - Development of the antiglaciation theory in recent years. p. 102.

Biblikova, V. I. - History of Holocene vertebrate fauna in Eastern Europe p 119.

Rakov, N. V - Possible reasons for changes in the numbers of Paleolith saigas in the Crimea. p 147

REFERATIVNYI ZHURNAL GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 6, 1963.

Table of contents translated:

Kh. M. Abdullaev Geological Institute of the Academy of Sciences of the Uzbek S.S.R.; 20th anniversary of the Academy of Sciences of the Uzbek S.S.R. p. 5.

Badalov, S. T., Golovanov, I. M. - Comparative mineralogical and genetic characteristics of ilvaite. p. 7.

Moiseeva, M. I. - Mineralogical and genetic characteristics of the Supatash group of fluorite deposits in the Kurama Range. p. 15.

Ismailov, M. I. - Sepiolites of Uzbekistan. p. 20.

Karzhauv, T. K. - Concretion of celestine in the Upper Cretaceous sediments of eastern Fergana. p. 27

Savel'ev, V. F. - Iron disulfides from Cretaceous rocks in some regions of Central Asia p. 33.

Mirzakhodzhaev, R. M. - Methods for processing the results of regime observations of ground waters. p. 38.

Ibragimov, D. S. - Conditions governing the formation and distribution of the hydrogen sulfide waters of the Fergana artesian basin. p. 43.

Pokrovskii, A. V - Marginal deep fault in the southwestern Gissar Range (southern Tien Shan). p. 52.

IAkubov, D. Kh. - Petrographic study of the Miskanskiy fault zone. p. 58.

Borisov, O. M. - Probable Lower Devonian age of granitoid pebble from the Namur series of Uya (Karzhantau). p. 66

Kim, A. I. - Stratigraphy of Ordovician and Lower Llandoverian sediments in the Zeravshan mountain region. p 72.

Avazkhodzhaev, Kh. Kh. - Petrographic and mineralogical characteristics of Cretaceous clay rocks of the Gazli uplift. p. 76.

Arifdzhanov, M. Kh., Akhmedov, P. U. - Some data on the fracturing of the rocks of the Upper Jurassic carbonate formation in the Gaurdak uplift. p 83.

Kasymov, A. K., Prikhid'ko, P. L. - Tinticite from the central Kyzyl Kum. p. 91.

Dzumatuganov, I. I. - Morphological and varieties of zircon and their correlation significance for intrusive rocks of the Sauk-Bulak ore field. p. 94.

Rakhmatullaev, Kh. R., and others. - Todorokite from the central Kyzyl Kum. p. 96.

Badalov, S. T. - Genesis of the hypogene anhydrite of the Almalyk region. p. 100.

Aleksandr Sergeevich Uklonskii, on his 75th birthday. p. 103.

Nikolai Petrovich Petrov; on his 60th birthday. p. 104.

Polina Leont'evna Prikhid'ko, on her 65th birthday. p. 105.

Index to articles and reports published in "Uzbekiston geologiia zhurnali" in 1963. p 106.

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Kirgizskoe otdelenie. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Kirghiz Branch. Annals]. Frunze, no. 4, 1963.

Table of contents translated.

Sugai, V. T. - Physicochemical conditions governing the formation of mercury deposits. p. 3.

Borisov, O. M. - Interaction of acid magma with xenoliths. p. 13.

Asanaliev, U. - Impurity elements in some sulfide complex-metal deposits in the Sumsar-Bozbutoo region. p. 27.

Skiba, N. S. - Role of the solid runoff of rivers in mercury migration. p. 31.

Srauylov, T. - Genetic types and mineralogical species of the secondary quartzites in the region of Bayan-Aul District in central Kazakhstan. p. 43.

Zbarskii, M. I. - Mineral and petrographic characteristics of fused rocks in Central Asia. p. 53.

Skiba, N. S. - Celestine concretions of Upper Cretaceous sediments in Fergana. p 69.

13. SCIENCE

a GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports]. Erivan, vol. 37, no 4, 1963.

Table of contents translated:

Manukian, M. M - Torsion of a prismatic sectional rod with a thin reinforcing coating under nonlinear creep. p. 177.

Gazazian, E. D., Mergelian, O S. - Emission of linear currents in optically active and gyrotropic media p 185

IAn Shi [Yang Shih]. - Theory of waves of spin density. p 191.

Bezirganian, P. A. - Dependence of the width and intensity of a spectral line on the duration of coherent radiation of an X-ray source p. 197.

Petrosian, N. A. - Effect of vertical downward currents on the transformation of the wind field p. 203.

Faramazian, A S., Khurshudian, E. Kh - Isomorphism between molybdenum and rhenium in molybdenites. p 211.

Galoian, A. A., Korolev, N. V. - Use of emission microspectral analysis in studying the spots on paper chromatograms. p 217.

Sarkisian, S. G., Movsesian, M. A. - Possibility of the development of vibrational waves based on the content of anhydrite in the Miocene salt-bearing layer in the Erivan region p. 221.

Chibukhchian, Z O - Determination of the absolute age of plagioclases by the method of birefringence comparative dispersion p 227

Kazarian, V O, Davtian, V A - Effect of the processes of generative development on nocturnal photosynthetic depression in plants p 231

Mikaelian, N G - Role of various regions of the brain in the reproductive functions of mammals p 237

Vol.32, no.1, 1964.

Table of contents translated

Gerasimov, IU.K. - Phragmen - Lindelof's theorem for functions of generalized nonpositive curvature. p.3.

Meschian, S.R. - Effect of the height of a sample and the shear zone on the share strength of a soil. p.7.

Karapetian, K.S. - Effect of anisotropy on the creep of concrete in compression and tension depending on the stress value. p.13.

Manusadzhian, V.G., and others. - Infrared spectra of the hydrochloric salts of ethyl esters of di- and tripeptides and ethyl esters of N-acetyl of di- and tripeptides. p.21.

Kudriavtseva, IU.I., Vedeneev, V.I., Niazian, O.M. - Kinetics and mechanism of the thermal decomposition of ethane (high temperature region). p.29.

Chaltykian, O.A., Beilerian, N.M., Samvelian, A.L. - Temperature dependence of the rate of peroxysulfate - triethanolamine reaction. p.35.

Sagatelian, E.A., Grinenko, L.N. - New data on the isotopic content of sulfur in the pyrites of sulfide deposites in northern Armenia. p.41.

Arzumanian, S.K., Simonian, G.P. - Recent tectonics of the Araks salt-bearing basin. p.45.

Petrosian, A.P., Avvakumova, E.N. - Cytological and cytochemical changes in nodule forming bacteria in nodules. p.49.

Sarkisova, M.M. - Effect of growth promoting preparations on the root formation of grapevine cuttings. p.53.

IAblokov-Khnzorian, S.M. - New dung beetle (Coleoptera, Scarabaeidae) from the Armenian S.S.R. p.61.

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Seriia fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. Erivan, vol.16, no.6, 1963.

Table of contents translated

Kitbalian, A.A. - Expansions in generalized trigonometric systems. p.3.

Garakov, G.A. - R.K. Bose - D.K. Roy-Choudhuri codes and their implementation. p.25.

Khachaturian, T.T. - Theory of bending and compression of thick plates. p.41.

Kirakosian, R.M. - *Creep of a cylindrical shell of* arbitrary cross section loaded with normal internal pressure. p.63.

Manukian, M.M. - Contact problem in the theory of unsteady creep taking friction forces into account. p.75.

Amatuni, A.TS., Garibian, G.M., Elbakian, S.S. - Radiation from a charge, variable with time, moving in a medium at constant speed. p.101.

Dzhrbashian, V.A. - Total number of quanta emitted in a laminated medium. p.113.

Rezikian, A.M., Galechian, G.A., Galechian, V.V. - Distribution of the partial pressure of negative ions in a low-pressure positive discharge column. p.117.

Agasian, E.O., Marikian, G.A. - Ionization fluctuations in low-pressure proportional counters. p.125.

Pogosian, IA.M., Egiian, K.A., Solakhian, A.O. - Determining the thickness of thin films. p.131.

Vartanian, IU.L. - Masses and radii of baryon configurations. p.137.

Tevzadze, G.A. - Letter to the editor. p.147.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports] Baku, vol.19, no.3, 1963

Table of contents translated:

Aliev, G.A. - Simulation of a system in queueing theory. p.3.

Khalilov, T.A. - Calculating the stability of a gyroscopic servosystem with variable parameters. p.7.

Kuliev, S.M., Abdulzaed, A.M., Ibragimov, A.A. - Effect of depth on the mechanical speed of drilling. p.13.

Abbasov, M.T., Mamedov, O.A. - Calculations of the flow of gassy oil. p.19.

Sharifov, K.A. - Interrelation between the width of the forbidden zone of semiconductors and their heat of atomization. Substances of the composition AB. p.23

Shakhtakhtinskii, G.B., Aslanov, G.A., Shakarov, G.A. - Arsenate method of the iodometric determination of gallium. p.27.

Kravchinskii, Z.IA. - Establishing the gas potential and hydrocarbon composition of the gas in the red-colored productive formation of the Apsheron Archipelago and Cheleken structures. p.31.

Verdizade, A.A, Alizade, T.D. - Determination of nickel by the periodate method. p.35.

Aliev, F.S., Guseinova, A.A. - Features of Khvalynian clays from the Oblivnoy Island area of the bottom of the Caspian Sea in connection with the conditions of their formation from the view of engineering geology. p.41.

Mazanov, D.D., Seidov, A.G. - Lithomineralogical characteristics of Jurassic clay shales from the southern slope of the Greater Caucasus (Belakanchay and Elisu). p.47.

Mamedzade, R.N. - Stratigraphic divisions of the Upper Senonian in the northeastern Lesser Caucasus (interfluve of the Koshkarchay and Debetchay). p.53.

Prilipko, L.I., Shcherbakov, A.N. - Gomphocarpus fruticosus (L.) an accidental plant of African origin on the Apsheron Peninsula. p.57.

Tutaiuk, V.Kh., Abdullaev, Ch.S. - Diversity of forms and the anatomic structure of leaves of the Georgian oak (Quercus iberica Stev.) growing in the mountainous zone of the Karabakh Range. p.61.

Mikailov, M.A. - Vegetative reproduction of the licorice Glycyrrhiza glabra L. p.67.

Gasanov, M.I., Fel'dshtein, M.A., Mart'ianov, S.N. - First aid and prevention of dewclaw diseases in farm animals on animal farms. p.71.

Askerov, R.A. - Innervation of the trachea and bronchi in cats. p.75.

Guseinov, R.A. - Bar Hebraeus and Azerbaijan. p.81.

Kesamanly, G.P., Babaev, I.A. - Archaeological finds from the Ali-Bayramly region. p.87.

Vol.19, no.9, 1963.

Table of contents translated:

Akhmedov, T.K. - Analytic continuation of certain series of the Taylor - Dirichlet type. p.3.

Dzhalilov, K.N. - Hydrodynamic study of the flooding process of a well line. p.9.

Sharifiv, K.A. - Interrelation between the width of the forbidden zone of semiconductors and the heat of their atomization. p.15.

Osipov, O.A., and others. - Study of some dialkylaminomethylphenols and aromatic sulfides. p.21.

Aliev, R.M. - Some examples of the utilization of the morphological characteristics of calcite crystals in the explanation of mineral genesis as revealed by a study of the Dashkesanskoye deposit. p.25.

Rakhmanov, R.R. - Root of mud volcanoes in Azerbaijan. p.31.

Babaev, R.G. - Stratigraphic significance of Upper Jurassic six-rayed corals in the northeastern part of the Lesser Caucasus (Azerbaijan). p.35.

Ismailov, K.A., Khalilov, N.IU. - Tectonic correlation of Tertiary and Mesozoic sediments in the northern part of the Apsheron Peninsula. p.39.

Krasil'shchikov, L.A. - Problems of the stream capture of underground waters in sloping plains as revealed by a study of the Kirovabad-Kazakh sloping plain. p.45.

Ragimov, Sh.S. - Second group of Rayleigh waves. p.51.

Shakhsuvarov, T.S. - Salt regime of a basin in a producing layer of the Apsheron type. p.55.

Azadaliev, Dzh.A. - Accessory orthite from pegmatite veins in the Chekhi Basin. p.59.

Nokhmediv, F.G. - Catechins of a green tea leaf of the Lenkoran' region of the Azerbaijan S.S.R. p.63.

Abdullaev, I.K. - A new shrublike mulberry "Koltut." p.69.

Mustafaev, Kh.M. - Formation of taluses and their binding in a forest zone. p.75.

Aliev, D.A. - Activity of cytochrome oxidase in plants and the effect of microelements on it. p.81.

Dzhabieva, S.A. - Effect of radioactive phosphorus on the incubation process of hen eggs at various stages of their development. p.85.

Bagirov, D.M. - Symptomatic measures for treatment of cattle theileriasis. p.89.

Sarkison, N.A. - Ceramics in interior trims of two little-known architectural monuments of Azerbaijan p.93.

Ibragimov, F. - A settlement on the Gushgan Hill. p.97.

Vol.20, no.5, 1964.

Table of contents *translated:*

Khalilov, Z.I. - Linear problem of control in a Banach space. p.3.

Mamedaliev, IU.G., and others. - Dehydrogenation of alkyl aromatic hydrocarbons in a *fluidized bed of* various oxide catalysts. p.7.

Musaev, M.R., Mekhtiev, S.D. - *Isomerization of* cyclohexene to methylcyclopentenes during the dehydration of cyclohexanol on aluminum oxide. p.11.

Kulibekov, M.R. - Exchange reaction of acetals and their halo derivatives with Iotsich complex. p.15.

Islamov, K.Sh. - Earthquake of December 1959 at the village of Nasosnyi. p 23.

Sultanov, D.A., Mustafaeva, S.A. - Studying the substantial composition and physical properties of the clay rocks of the Apsheronian stage of western Azerbaijan (Ortagash fold). p.27.

Ismailov, I.A. - Typification of synoptic processes causing an invasion of cold weather in Azerbaijan. p.33.

Nasibzade, L.I. - Prospects for oil transportation on the Caspian Sea. p.37.

Mamedov, T.A. - First find of the genera Asterocyclina gumbel and Actinocyclina gumbel *from Eocene* sediments in the Gornyy Talysh (Lerik District). p.41.

Zdobnov, E.I. - Salt leaching norms established on the basis of the operation of the Mugan (Dzhafar-khan) closed drainage. p.47.

Abdullaev, I.K., Musaev, A.I. - A new variety of large fruit strawberry of the Apsheron Peninsula p.53.

Asadov, G.F. - Melon fly. p.57.

Takhmazov, G.Kh. - Effect of a complex organic and mineral trace element fertilizer on the yield of green tea leaves. p.63.

Melikov, R M. - Effect of prolonged minimal stimulation of the interoceptors of the stomach on the electrical activity of the brain in rabbits. p.69.

Efendiev, S.S., Kurbanova, F.A., Ganiev, M. - Growth promoting substance of petroleum origin as a factor helping to improve the quality of water microflora research. p.75.

AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R Reports]. Moscow, vol.156, no.6, June 1964.

Table of contents translated:

MATHEMATICS:

Berkovich, IA G. - Existence of subgroups in a finite insolvable group. p 1255

Vitushkin, A.G - Proof of the existence of analytic functions of several variables not representable by linear superpositions of continuously differentiable functions of fewer variables p 1258

Volevich, L.R - Hypoelliptic systems with variable coefficients. p 1262.

Zarovnyi, V P. - Groups of automatic one-to-one mappings. p.1266.

Zverovich, E.I. - Carleman type boundary value problem for a multiply connected region p 1270

Kval'vasser, V I., Rutner, IA.F. - Method of finding Green's functions in boundary value problems of the heat conductivity equation for a line segment with uniformly *moving boundaries p.1273*

Krivenkov, IU.P. - Sufficiency of the principle of the maximum for the linear problem of dynamic programming p.1277.

Levin, A IU - Distribution of zeroes of the solutions to a linear differential equation p.1281

Maliutov, M.B - Brownian movement with reflection and the problem with the inclined derivative. *p.1285*

Palamodov, V.P. - Undetermined and overdetermined systems of differential equations with constant *coefficients. p.1288.*

Semenov, E.M. - Imbedding theorems for Banach spaces of measurable functions. p.1292.

Tikhonov, A.N. - Solution of nonlinear integral equations of first order. p.1296.

Shain, B.M. - Involutory semigroups of complete binary relations. p.1300.

IAkut, L.I - Lax's theorems for nonlinear evolutional equations. p 1304.

CYBERNETICS AND REGULATION THEORY:

Varshamov, R R. - A theorem in the theory of reducibility of polynomials. p.1308.

Krinskii, V.I. - Construction of a sequence of automata and its behavior in games. p.1312.

HYDROMECHANICS:

Anfimov, N A. - Separation of a gaseous mixture by diffusion in the presence of dissociation p.1316

HYDRAULICS:

Monakhov, V.N. - Solvability of percolation problems with free boundaries. p.1320.

MATHEMATICAL PHYSICS:

Martynenko, M.D. - Second boundary value problem in the theory of elasticity for a homogeneous isotropic layer. p.1323.

PHYSICS:

Martirosian, R.M, Prokhorov, A.M., Sorochenko R.L. - Use of a quantum paramagnetic amplifier in radio astronomy. p.1326.

Faustov, R.N. - Renormalization of a quasi-potential equation for a system of two particles. p.1329.

TECHNICAL PHYSICS:

Oding, I.A., Stepanov, V.N. - Effect of contact friction on the energy criteria of cyclic strength and the physical fatigue limit. p.1333.

GEOPHYSICS:
[illegible], A.A. - Some results of radar measurements of turbulence in the free pure atmosphere. p.1330.
CRYSTALLOGRAPHY:
[illegible], V.N., Berezhkova, G.V. - Use of electron diffraction microscopy methods in measuring the flexure of ribbon shaped crystals caused by axial dislocations. p.1339
GEOLOGY:
[illegible], and others. - New tectonic map of the Arctic regions. p.1341
[illegible], D.S. - Discovery of Lower Carboniferous conglomerates in the Northern Caucasus. p.1343
[illegible], V.I. - Coal potential of Devonian sediments in the Turkestan Range (southern Tien Shan) p.1347.
[illegible], V.I. - Stratigraphy of Late Pre-Cambrian sediments in the Olekma-Tokko Interfluve. p.1351.
MINERALOGY:
[illegible], D.P. - Primary mineral crystallization and the structure of meteoritic chondrules. p.[illegible]
PETROGRAPHY:
[illegible], A.A. - [illegible] tuffaceous argillite of the [illegible] Ural Mountains. p.1359
LITHOLOGY:
[illegible], IU.V. - Means of the terrigenous feeding of the Upper Permian basins of the Volga [illegible]. p.1361
GEOCHEMISTRY:
[illegible], A.G., [illegible], V.M. - Distribution of [illegible] carbon in the Lower Cretaceous sediments [illegible]. p.1364
PALEONTOLOGY:
[illegible], [illegible], V.P. - Recent fresh-water [illegible] from the Quaternary sediments of the Altai. p.1368
CHEMISTRY:
[illegible], A.A., and others. - Local activation effect in the [illegible] polymerization of acetylene and [illegible]. p.1371
[illegible], [illegible], G.G., [illegible] - [illegible] groups. p.1375
[illegible], A.V. - Analogs of [illegible] in the reaction with [illegible] of uridine diphosphate of D glucose. p.1379
[illegible], I.M., [illegible], I.A. - Spectroscopic [illegible] of the intramolecular [illegible] acid. p.1383
[illegible], and others. - Liquid phase [illegible]. p.1386
[illegible], [illegible], A.N. - Thermody[illegible] of the ternary metallic system [illegible] antimony. p.1389.
[illegible] - New reaction of the [illegible]. p.1391
[illegible], [illegible], A.N., Medvedev, [illegible] - The [illegible] of polytetrafluoroethylene radiolysis. p.1397
PHYSICAL CHEMISTRY:
[illegible], and others. - Thermodynamic properties of [illegible] studied by the electro[illegible] method. p.1398
[illegible] - Mechanism of chemi[illegible] during the oxidation of organic [illegible]. p.1402
[illegible] - [illegible] crystallization [illegible] crystallization and the mechanical [illegible] isotactic polystyrene. p.1406
[illegible], and others. - Cation polymerization [illegible]. p.1409
[illegible], [illegible], V.A. - Contribution [illegible] of nonstationary convective diffusion [illegible] electrode. p.1412
[illegible] - Mechanical and chemical dissocia[illegible] freshly formed surfaces of [illegible]. p.1416
CHEMICAL TECHNOLOGY:
[illegible], [illegible], A.A. - Variation of the [illegible] spectra of lithium aluminum silicate glasses during its crystallization. p.1420
[illegible], I.A., Pukhlik, O.I. - Devising the [illegible] of research on superstrong glasses p.1424
[illegible], A.I., [illegible], N.A. - Stoichiometry and polymorphism of [illegible] silicate. p.1428
[illegible] - Relation between wear resistance and [illegible] of leather as a natural polymeric material. p.1432
CYTOLOGY:
[illegible] - Localization and activity of de[illegible] in the [illegible] of ellipsoids of the [illegible] in vertebrates. p.1436.
ECOLOGY:
[illegible] - Diurnal rhythm of fat loss and accumu[illegible] (Claus) in the [illegible] Sea. p.1440.

HYDROBIOLOGY:
Kuznetsov, S.I., Romanenko, V.I., Glazunov, V.I. - Production of organic matter at the expense of the photosynthesis of phytoplankton in Lake Baikal. p.1444
MICROBIOLOGY:
Dinler, I.N. - Arginine and ornithine consumption by Pseudomonas pyocyanea P. and Pseudomonas fluorescens. p.1448
BIOPHYSICS:
Rikhireva, G.T., Krasnovskii, A.A., Kulushin, L.P. - Relation between the state of chlorophyll and electron paramagnetic resonance spectra in plant leaves. p.1451.
BIOCHEMISTRY:
Alekseenko, L.P., Orekhovich, V.N. - Chemical and physicochemical characteristics of some hemoglobins. p.1455
Goriaev, M.I., Gimmaddinov, Zh.K. - Study of substances entering the composition of essential oils; correlation between stereoisomeric thujones in essential oils of wormwood. p.1459.
Evstigneeva, Z.G., Aseeva, K.B., Kretovich, V.L. - Ammonia assimilation by the mycotrophic plant Monotropa hypopitys L. p.1461
Naumova, I.B., Zaretskaia, M.Sh. - Some properties of ribitol teichoic acid isolated from Actinomyces violaceus. p.1464
EXPERIMENTAL MORPHOLOGY
Nikitina, L.A. - Transplantation of nuclei from the ectoderm and neural rudiment of developing embryos in Bufo bufo, Rana arvalis and Rana temporaria into enucleated eggs of the same species. p.1466
PHYSIOLOGY:
Babskii, E.B., Karpman, V.L., Kantitskaia, I.N. - Normal duration of electric systole in man. p.1473.
Pavlovskii, E.N., and others. - Antidotal effect of propyl gallic acid, heparin and hydrocortisone on the venom of Vipera lebetina. p.1476.

Index of articles to vol.156:
Classed index. p.I
Alphabetical index. p.XIV.

Vol.157, no.1, July, 1964
Table of contents translated:
Arakelian, N.U. - Uniform and asymptotic approximation by integral functions on unbounded closed sets. p.9.
Arnautov, V.I. - Theory of topological rings. p.12.
Veltev, M.A. - Study of the stability of Bubnov - Galerkin's method for nonstationary problems. p.16.
Gol'dberg, A.A., Levin, B.IA. - Integral functions bounded on the real axis. p.19.
Golo, V.L. - Smooth structures on manifolds having edges. p.23.
Zverovich, E.I. - Boundary value problems with a shift on abstract Riemann surfaces. p.26.
Kapilevich, M.B. - A method of base expansions. p.30.
Kats, I.S. - Behavior of spectral functions of differential systems with boundary conditions at a singular end point. p.34.
Kloss, B.M. - Definition of the complexity of algorithms. p.38.
Krupnik, N.IA. - Multidimensional singular operators in spaces of fundamental and generalized functions. p.41.
Kudriavtsev, L.D. - Variational method for unbounded regions. p.45.
Linnik, IU.V. - Statistical problems with nu
parameters. p.49.
Sobolevskii, P.E. - Coercitivity inequalit
abstract parabolic equations. p.52.
Solonnikov, V.A. - Boundary value proble
general linear parabolic systems. p.5
Khelemskii, A.IA. - Description of annu
commutative Banach algebras. p.60.
MECHANICS:
Slobodkin, A.M. - Liapunov stability of t
brium of systems with an infinite numb
degrees of freedom. p.63.
THEORY OF ELASTICITY:
Bykovtsev, G.I. - Anisotropic case harde
plastic layer compressed by rough plat
Dudukalenko, V.V. - Extremum ways of
deformation. p.69.
Zadoian, M.A. - Partial solution of equat
theory of ideal plasticity in cylindrical
nates. p.73.
PHYSICS:
Adirovich, E.I., Rubinov, V.M., IUabov,
Anomalously large photovoltages in thi
films. p.76.
Grinberg, A.A., Kramer, N.I. - Magnet
effect in piezoelectric semiconductors.
Suramlishvili, G.L. - Frequency shift and
of interacting Langmuir oscillations.

TECHNICAL PHYSICS:
Boguslavskii, I.A., Vitman, F.F., Pukhlik, O.I. - Intensifying the quenching stresses in glass for the purpose of further hardening. p.87.
HEAT ENGINEERING:
Styrikovich, M.A., and others. - Use of the "salt method" in studying the characteristics of mass and heat transfer. p.91.
GEOLOGY:
Dikenshtein, G.Kh., Siniteyn, F.E., Sardonnikov, N.M. - New data on the tectonics of the Chu Depression. p.95.
HYDROGEOLOGY:
Ulanov, Kh.K. - Level increment and the water budget of the Caspian Sea. p.99.
LITHOLOGY:
Alizade, Kh. - Lithology and genesis of bentonites in northeastern part of the Lesser Caucasus. p.101.
Aliev, F.S. - Formation of the properties of clay rocks of the Apsheron Archipelago in connection with their lithification. p.105.
Lazarova, V.M., Filippov, D.V. - Lithomineralogical and physical characteristics of clay rocks in Albian sediments in western Ciscaucasia. p.108.
GEOCHEMISTRY:
Bidzhiev, R.A. - Distribution of "minor" chemical elements in the Jurassic Lower and Cretaceous sediments of the Verkhoyansk piedmont. p.112.
PALEONTOLOGY.
Kolesnikova, T.D. - Water fern Azolla interglacialica Nikitin in the Quaternary sediments of Vologda Province. p.116.
CHEMISTRY:
Baukov, IU.I., Burlachenko, G.S., Lutsenko, I.F. - Rearrangement of α-trialkylsiloxyvinylalkyl esters to trialkylsilylacetic acid esters. p.119.
Bergel'son, L.D., Vaver, V.A., Prokazova, N.V. - New types of neutral lipids. p.122.
Kargin, V.A., Efendiev, A.A., Berestneva, Z.IA. - Spontaneous formation of large oriented structures in a nonregular copolymer of the diethyl ester of vinylphosphinic acid and acrylic acid. p.125.
Kogan, L.M., Rabovskaia, N.S., Vol'fkovich, S.I. - Radiolysis of tetrachloroethylene and hexachlorobutadiene. p.127.
Plushchev, V.E., Amosov, V.M. - High temperature synthesis and some properties of neutral tungstates of yttrium, lanthanum, and lanthanides. p.131.
Spitsyn, Vikt.I., D'iachkova, R.A., Khlebnikov, V.P. - State of protactinium in nitric acid solutions. p.135.
Titov, A.I., Baryshnikova, A.N. - Chlorosulfochlorination and chlorosulfochlorination of ethylene. Conversion of β-chloroethanesulfinic acid to thio ether. p.139.
Ustavshchikov, B.F., and others. - Course of the reaction between simplest α-olefins and liquid nitrogen tetroxide. p.143.
PHYSICAL CHEMISTRY:
Bystrov, L.N., Ivanov, L.I. - Effect of γ-radiation on the rate of beryllium bronze aging. p.147.
Vichutinskii, A.A. - Chemiluminescent methods for determining the absolute rate constant of the rupture of peroxide radicals in the liquid phase. p.150.
Deriagin, B.V., Rabinovich, IA.I. - Theory of
tl
I
K

Frank-Kamenetskii, M D. - Theoretical considerations concerning the effect of different factors on the thermal denaturation of DNA p 167.
BIOCHEMISTRY
[illegible], I V , and others - Inhibition of the activity of mitochondrial and [illegible] oxidases by some tri[illegible] compounds. p. 191.
[illegible], G I , [illegible], I D., [illegible], F E. - Nature of the polarographic wave of cobalt in the presence of protein substances p 194
[illegible], R N , [illegible], O.N - Single-strand [illegible] DNA of a small intestinal bacteriophage. p [illegible]
Kruglak, IU A , Danilov, V I., Gaidai, V.M - [illegible] tautomeric forms of bases in the process of the construction of a genetic code. p 201.
[illegible], E A , [illegible], I.V., Plinor, S A - Cyclization of tetrapeptides by using ethoxyacetylene as a condensation agent. p 203.
Naumova, I B., Zaretskaia, M Sh. - Some properties of glycerol teichoic acids isolated from Actinomyces rimosus T-118 and Actinomyces
antibioticus 39 p 207
Oparin, A I , Kharat'ian, E.F., Gel'man, N.S - Localization of hydrogenases and their relation to oxygen in cells of Lactobacterium pentoaceticum. p 211
PLANT ECOLOGY:
Rodin, L F., Bazilevich, N.I. - Biological productivity of the main types of vegetation in the northern hemisphere of the Old World. p 215.
PLANT EMBRYOLOGY
[illegible], E.V - Disturbance of tissue differentiation in hybrid systems, in the embryos and endosperm of wheat and rye p. 219.
PLANT PHYSIOLOGY
[illegible], V.M., Ulubekova, M.V., Nazarov, N.M. - Effect of oxygen concentration of the rate of photosynthesis and respiration in aquatic plants p 223
ZOOLOGY
Luk'ianenko, V I - Immunobiological affinity of three sturgeon species p. 227.
PHYSIOLOGY
Zeimal', E V. - Characteristics of central choline stimulated by nicotine. p. 230
Magaeva, S.V. - Physiological analysis of disturbances in the regional blood circulation during the development of neural dystrophy. p. 233.
ENDOCRINOLOGY
Voitkevich, A.A , Leonova, L.K. - Some data on the effect of vertebrate hormones on the neurosecretory system of insects. p. 236

Vol 157, no 4, Aug 1964
Table of contents translated
MATHEMATICS
Arsen'ev, A A - Asymptotic properties of the trace of the spectral function of a self-adjoint elliptic differential operator of second order p 761
Vladimirov, D A - Existence of invariant measures on Boolean algebras p 764
Gluskin, L M - Position operatives p 767
Fekturev I M - Theorem on a closed graph for ultracomplete spaces p 771
Dzhabrailova, E M - Completeness of a system of finite-dimensional invariant subspaces of a non-self-adjoint singular differential operator of second order relative to a real weight function p 774
Zverovich, E I - Reduction of Hilbert's problem for a multiply connected region to Hilbert's problem with a rotational coefficient. p 777.
Krushkal', S L - Variation method in the theory of quasi-conformal mappings of closed Riemann surfaces p 781
Lin TSzun-chi [Lin-Tsung-ch'ih] - Perturbation of solutions and perturbation of eigenvalues and eigenfunctions of elliptic second-order equations in the case of perturbation of the boundary. p.784
Novikov, S P - Foliation in codimension one. p.788
Perov, A I - Topological characteristics of the solutions to n-dimensional differential equations p 791
Pimenov, R I. - Application of semi-Riemannian geometry to unified field theory. p 795.
Roitberg, IA A. - Elliptic problems with nonuniform boundary conditions and a local increase of smoothness up to the boundary of generalized solutions p 798
Suvorov, G D - Metric properties of plane univalent mappings of closed regions. p 802.
Suprun, N N - Reconstruction of an analytic function from the values of its derivatives, generalized in the sense of A O Gel'fond, at a certain point. p 806
Fomenko, V T - Infinitesimal deformations of surfaces in the case of sleeve couplings p. 810.
CYBERNETICS AND REGULATION THEORY:
Evstigneev, V A - Transportation problem with respect to time in the theory of graphs p 814

Pankratov, S.A , Khlebnikov, G D - Some characteristics of the mechanical crushing of rocks under static, impact, and intermittent stresses. p.816
Trokhan, A M - Use of electron-ray methods in studying gas flows p 820
AERODYNAMICS
D'iakonov, IU N - Three-dimensional flow past blunt bodies with allowance for equilibrium physico-chemical reactions p 822
ASTRONOMY
Markov, M N , Khokhlova, V L - Radiation coefficients in the infrared spectral region and differences in the $\gamma_{=}$ (kpc)$^{1\ 2}$ for the seas and continents of the lunar surface p 826
PHYSICS
Vasil'ev, L A - Use of the shadow diffraction method in determining the phase in the discontinuities of a plane wave front p 830
Neshpor, V S , Samsonov, G.V. - Relation between the coefficients of the thermoelectric efficiency of monocarbides and mononitrides of transition metals and their atomic characteristics p.834.
Peregud, V P , Abramova, K B. - Experimental study of electric explosions p 837
Samoilovich, A G , Gvozdovskii, I V - Scattering of current carriers on optical vibrations p 841
TECHNICAL PHYSICS:
Kostetskii, B I , Kolesnichenko, L F - Effect of a surface-active medium on changes in the fine crystalline structure of iron hardened by plastic deformation p 845
Sukennik, P IA - Deformation of the contact surface between a rigid sphere and an elastic half-space due to sliding friction p 849
GEOLOGY:
Litvinenko, A U , Pogrebnoi, V T - New data on the ore potential of Cimmerian sediments in the region of the Sea of Azov p. 852
Mikhailov, B M. - Role of vegetative cover in lateral weathering in the mountain regions of the Liberian *Shield p 856.*
Khat'ianov, F I - Convergence of the southern part of the cis-Ural marginal trough with the Caspian Depression and the possible reefs along their margins in the light of geophysical data p 859
Chervlakovskii, G F., Koroteev, V A - Lithology, structure, and stratigraphy of the Iredyk series p 863
HYDROGEOLOGY:
Korotkevich, G V. - Dynamics of the karst formation in halite deposits of "dry" salt lakes p 866
MINERALOGY:
Gavrilov, A A , Aleksandrova, V A - Clay minerals of the Ordovician argillites of the Southern Urals p 870.
PETROGRAPHY
Glagolev, A A , Beiseev, O.B - Rhodusite concretions from the South Minusinsk and Dzhezkazgan Depression p.873
Ikorskii, S V - Hydrocarbon gases and bitumens in the rock-forming minerals of the Khibiny Mountains p 876
Kizil'shtein, L IA - Causes of the variation in the content of germanium in different types of coal p.879.
Kuznetsova, L S , Ignat'ev, N A - Mottled dolomites of the Chusovoy region in the western slope of the Urals p 882
Logvinenko, N.V. - Mixed-layered phase of the Silurian phyllitized shales of the Nuratau p 886
Rusinov, V L. - Role of kinetic factors in the reactions of hydrothermal metamorphosis of the rocks under near-surface conditions. p. 890.
LITHOLOGY:
Panov, D G , Aleksandrov, A.N - Distribution of iron in the superficial sediment layer of the Sea of Azov p 894
GEOCHEMISTRY
Larskaia, E S , Zhabrev, D.V. - Effect of temperature and formation pressure on the composition of disseminated organic matter as revealed by a study of the Mesozoic and Cenozoic sediments of western Ciscaucasia p. 897
Neruchev, S.G. - Variations in the composition of the autochthonous bituminoids of organic matter of clay rocks under the influence of metamorphism and oil recovery. p. 901
CHEMISTRY:
Avduevskaia, K A , Tananaev, I V., Mironova, V S - Germanium arsenate p 904.
Denisov, E T , Denisova, L N. - Formation of *radicals* by reaction between a hydroperoxide and a double bond of styrene. p. 907
Druzhinin, I.G , Kidynov, M , Lomteva, S.A - Ternary compound consisting of lithium, sodium, and ammonium sulfates. p. 910
Zhdanov, S P., Ovsepian, M E - Some synthetic potassium zeolites and their properties. p. 913.
Zhdanov, IU A., Bogdanova, G.V , Zolotukhina, V G - Condensation of the al-forms of sugars with 4-hydroxycoumarin p 917.
Kaliavin, V.A., Smolina, T.A., Reutov, O.A. - Bromine anion catalysis of the monomolecular isotope exchange of benzyl mercury halides with mercury halide p 919

Nesmeianov, A N., Sazonova, V A., Romanenk[illegible], V.I - Derivatives of ferrocenylamine p 9[illegible]
Starik, I E , Ginzburg, F L , Ra[illegible], [illegible] - State of radioisotopes in very thinly dilute [illegible]tions studied by the diffusion method p [illegible]
PHYSICAL CHEMISTRY:
Azatian, V V., Nalbandian, A B., [illegible] - Reaction between oxygen atoms and meth[illegible] p 930.
Aleksandrov, A IU., and others - [illegible] in unsymmetrical organotin compounds with electron-donor substituents. p 931
Brekhovskikh, S.M , Landa, L.M., [illegible] - Change in the phase composition of [illegible] under the effect of γ-rays p. 938
Deriagin, B.V , IAlamov, IU I - Theory [illegible] molecular pressure drop and thermo[illegible] (thermal osmosis) of gases in moder[illegible] capillaries p 940.
Dogonadze, R R , Chizmadzhev, IU.A - [illegible] and capacity of the metal - fused salt [illegible] boundary p. 944.
Zubov, IU.A , and others. - Temperature [illegible] the large period in oriented polymers. p [illegible]
Surovoi, IU.N , Alekseev, V.I , [illegible] - Thermodynamics of complex [illegible] p. 951.
Fokin, M.N , Ba[illegible], R.L - Anodic [illegible] titanium in hydrochloric acid. p. 954.
Frumkin, A.N., Grigor'ev, N.B., [illegible] - Structure of the electric double layer on [illegible] as studied by measuring the differential [illegible]tance p. 957
CHEMICAL TECHNOLOGY:
Shilenkov, V N. - Mechanism by which wett[illegible] coal block results in its weakening. p [illegible]
CYTOLOGY:
Romashov, D D , Belineva, V N. - Cytology [illegible] radiation gynogenesis and androgenesis in the [illegible] loach (Misgurnus fossilis L.). p 961.
MICROBIOLOGY:
Shaposhnikov, V N , Krasil'nikova, E N - [illegible] fermentative lactic acid fermentation in the presence of complementary hydrogen [illegible] p 968.
BIOPHYSICS:
Demin, IU S. - Combined effect of low frequency [illegible] vibration and X rays at a dose of 50 r on the [illegible] of the marrow of mammals. p. 972
Zhestianikov, V D - Nucleic acid content in [illegible]chia coli of different radioresistance p. 9[illegible]
Kruglikova, K E., and others. - DNA decay [illegible] by radiation as an experimental model for the evaluation of the efficiency of radio[illegible] substances. p. 979.
BIOCHEMISTRY:
Braunshtein, A E , and others - Inclusion of a hydrogen atom of C-5 and δ-aminolevulin[illegible] into inosinic acid and hypoxanthine in the liver of a pigeon. p. 982.
Danilova, V.I , Kruglak, IU.A - Diagram of a "unusual" coupling of complementary bases [illegible] DNA. p 985.
Kretovich, V.L., Auerman, T.L. - N^{15} inclusion into free amino acids and glutamine in the [illegible] the assimilation of N^{15} ammonium by [illegible] tropicalis yeast p 986.
Nikiforova, G.S - Inhibition of the reproduction of tobacco mosaic virus by the products of the enzymatic digestion of nucleic acids of different [illegible] p. 989.
PLANT PHYSIOLOGY:
Vavilov, P.P., Popova, O.N., Kodaneva, R P - Radium behavior in plants. p 992
Zavadskaia, I.G , Fel'dman, N.L., Kamentseva, I.E - Carbohydrate content and cold resistance in the cells of higher plants. p. 995
PHYSIOLOGY:
Kryshova, N A., Shteingart, K.M. - Study of internal speech following the disturbance of the [illegible] of speech motor analysor. p. 998.
Laguchev, S.S. - Effect of adrenaline and cortisone acetate on the mitotic activity of the epithelium and reproductive organs and mammary glands p [illegible]
Mel'nik, B.E. - Melanophoric reaction in Amphibia following the modification of the nervous system under the influence of neurotropic drugs p [illegible]
Filov, V.A - Kinetics of the accumulation of substances in biological systems under the conditions of their free penetration and subsequent disintegration. p. 1006.

Vol. 158, no. 1, Sep. 1964.
Table of contents translated:
MATHEMATICS:
Bogdanov, IU.S. - Use of generalized characteristic numbers in studying the stability of the stationary point. p. 9.
Volts, B.E. - Some properties of the stability of bases. p. 13.
Verkhovskii, B.S. - Distribution of nonuniform products allowing for the processing capacity of intermediate stations. p. 17.

[illegible], I.IA. - Coverings for a graph provided by a system of neighborhoods of the vertices. p. [illegible]

[illegible], M.I., [illegible], O.L. - General boundary value problems with discontinuous boundary conditions. p. [illegible]

[illegible], M.M., [illegible], I.V. - Spectrum of nonself-adjoint differential operators. p. 29.

[illegible], V.V. - A class of finite homomorphisms. p. 31.

[illegible], I.IA. - Mixed problem for general para[illegible] in a half space. p. 37.

[illegible], A.G. - Asymptotic distribution of the [illegible] of elliptic operators. p. [illegible]

[illegible], IA.B. - Some properties of solutions to [illegible] hyperbolic equations in Hilbert space. p. 45.

[illegible], A. [illegible] - [illegible] in the theory of [illegible] of a continuous spectrum. p. 49.

[illegible], M.M. - Limiting distribution of a certain [illegible] from a sequence of sums of [illegible] random variables. p. 53.

[illegible], IU. - Iterative methods with divided differences [illegible] order. p. 56.

[illegible], A.B. - Representation of ultraspherical polynomials in the form of a differential operator [illegible] the generating function of these polynomials. p. [illegible]

[illegible], A.V. - [illegible] of elements and spheres in [illegible] space. p. [illegible]

[illegible], A.I. - Scattering operator in a space of [illegible]. p. [illegible]

AERODYNAMICS

[illegible], V.V. - Hilbert's method for solving [illegible] equation. p. [illegible]

[illegible] MECHANICS

[illegible], A.[illegible] - [illegible]. p. [illegible]

MATHEMATICAL PHYSICS

[illegible] - [illegible] formulation in [illegible] of relativity. p. 78.

PHYSICS

[illegible], A. [illegible] - Complete energy spectrum of [illegible] electrons from [illegible] in the solid [illegible]. p. 82.

CRYSTALLOGRAPHY

[illegible], IU.[illegible], and others. - [illegible] composition [illegible]

[illegible], V.V. - [illegible] solution [illegible]. p. [illegible]

GEOLOGY

[illegible], V.N. - Pelitomorphic [illegible]. p. 92.

[illegible] - [illegible] of Paleozoic [illegible] sediments in the [illegible] trough. p. [illegible]

[illegible] - Stratigraphy of Jurassic sediments [illegible]. p. [illegible]

[illegible] - [illegible] folds in the [illegible] mineralization in the [illegible]. p. 102.

[illegible], V.A., [illegible], I.M. - Quaternary [illegible] in the northern part of the Kola Peninsula. [illegible]

[illegible], V.V. - Xenoliths in the [illegible] Vah [illegible] and some problems [illegible]. p. 106.

[illegible], A., and others. - Stratigraphy of [illegible] layers of the Tournai and Visé stage [illegible] Urals [illegible] based on the [illegible] between the upper and [illegible]. p. 112

MINERALOGY

[illegible], Kiselova, H.F., [illegible], N.V. - [illegible] features of "[illegible]" $NaMg[SO_4]$[illegible]. p. 116

PETROGRAPHY

[illegible], and others. - Study of the nature of [illegible] minerals in Transcarpathia. p. [illegible]

[illegible], A.A. - Role of partial hydrogen pressure [illegible] traps. p. 121.

GEOCHEMISTRY

[illegible], E.E. - Characteristics of the variation of the [illegible] composition of lead in the deposits of certain regions. p. 126

CHEMISTRY

[illegible], I.A., Kolos, M.M., Adrova, N.A. - [illegible] polymers with [illegible] in the main chain. p. 130.

[illegible], K.A., and others. - Addition of certain [illegible] organosilicon compounds to [illegible] of organopolysiloxanes and [illegible]. p. 133.

[illegible], B.A., and others. - Interaction of sodium [illegible] with 1,2-[illegible] and [illegible]. p. 137.

[illegible], A.V., and others. - Synthesis of membrane [illegible] materials by the method of gas-[illegible] grafted radiation polymerization. p. 141.

Vorob'ev, O.L., Shabarova, Z.A., Prokof'ev, M.A. - Synthesis of nucleotidyl (P-N)-phenylalanine by the pyrophosphate technique. p. 143.

Gverdtsiteli, I.M., Buachidze, M.A. - Action of $HGe(C_6H_5)_3$ on diacetylene glycols in the presence H_2PtCl_6. p. 147.

Keler, E.K., Sokolov, IU.G. - Interaction of Nd_2O_3 with water. p. 151

Gorlaev, M.I., Shabalina, V.I., Dembitskii, A.D. - Acid isomerization of sabinene. p. 155.

Kukhtin, V.A., Gozman, I.P. - Interaction of ether amides and phosphorous acid ether chlorides with diacetyl. p. 157.

Kucherov, V.F., Gurvich, I.A., Mil'shtein, I.M. - Stereochemistry of the oxidation of geometrical isomers of 13-methyl-7-acetoxy-Δ1(12)-dodecahydrophenanthrene-1,2-dicarboxylic acid and their derivatives. p. 160.

Nesmeianov, A.N., and others. - Isomerization of isomerization of 3-hydroxy-3-pentyn-2-yl-cyclopentadienyl-manganese tricarbonyl and 3-hydroxy-2-phenyl-1-methylpentyne to the respective enones. p. 163.

Pudovik, A.N., Kudryavtseva, I.I. - Selenium-containing derivatives of acrylic and methacrylic acids. p. 167.

Razuvaev, G.A., Minsker, K.S., Sangalov, IU.A. - Initiation of vinyl chloride polymerization by the reactions between triethylaluminum with halogen-containing organic compounds. p. 170.

Toropov, N.A., Bondar', I.A. - Synthesis of new silicates of rare earth elements. p. 173.

Freidlin, A.V., Koz'mina, Z.M. - Effect of the structure of some derivatives of nitrobenzene on the catalytic reduction of the nitro group. p. 176.

PHYSICAL CHEMISTRY

Azatian, V.V., Nalbandian, A.B., Sarkisian, E.N. - Detection of atomic oxygen during the cold flame oxidation of carbon disulfide by molecular oxygen. p. 179

Berezkin, V.G., Kruglikova, V.S., Belikova, N.A. - Kinetics of bimolecular chemical reactions as studied by a pulse chromatographic technique. p. 182.

Bu[illegible]enko, I.I., Blakov, V.M. - New method of estimating the relations of the rate constants in reactions between radicals and their acceptors. p. 185.

CHEMICAL TECHNOLOGY

Bobrov[illegible], B.I., Bogomolovskaia, I.I., Sobel'man, I.I. - Solid solutions in the system Zn_2SiO_4 - Fe_2SiO_4. p. 189.

CYTOLOGY

Iordanskii, A.B. - Radioautographic study of chromosome reproduction in Vicia faba. p. 192.

Shorn[illegible]kova, M.V. - Cytochemistry of DPN-H and TPN-H tetrazolium reductases in the secretory cells of the mammary gland. p. 196.

BIOCHEMISTRY

P[illegible], I.G., Berlin, L.B. - Embryonic histogenesis of the epidermis and its derivative. p. 199.

GENETICS

Kalikova, V.N., Darevskii, I.S. - Natural triploidy within a polymorphous group of the Caucasian lizard Lacerta saxicola Eversmann, resulting from hybridization between bisexual and parthenogenetic varieties of this species. p. 202

Panin, V.A. - Characteristics of sugar beet autotetraploids in connection with the level of their heterozygosis. p. 206.

HYDROBIOLOGY:

Popovskaia, G.I., Votintsev, K.K. - Biological runoff of the Selenga River and its role in the life of Selenga shallow waters of Lake Baikal. p. 208.

MICROBIOLOGY.

Karasevich, IU.N., Volkova, L.P., Konig, F.G. - Inhibition of the synthesis of pantothenic acid by some amino acids and yeasts of Torulopsis dattila. p. 212.

BIOPHYSICS:

Nechaev, I.A. - Age radiosensitivity of mice of various lines. p. 214.

BIOCHEMISTRY

Vagabov, V.M., Kulaev, I.S. - Inorganic polyphosphates in the roots of corn. p. 218

Zelenin, A.V., Liapunova, E.A. - Effect of acridine orange on the incorporation of S^{35} methionine in the cells of tissue cultures. p. 221.

Krasnovskii, A.A., Brin, G.P. - Photochemistry of reduced pyridine nucleotides and N-benzylnicotinamide. p. 225.

Tsil'parova, E.S., Nikolaev, A.IA. - Open chemical systems capable of autosynthesis. p. 229.

Proskuriakov, N.I., Zueva, E.S. - Enzymatic reduction of disulfide bonds in proteins and low molecular substances of wheat flour. p. 232.

Froleva, L.IU., and others. - Isolation of individual fractions of transfer ribonucleic acids by using polyacrylhydrazide agar gel. p. 235.

PLANT PHYSIOLOGY

Kasharo, V.F., Molotkovskii, IU.G. - Role of protein synthesis in the alternation of respiratory systems in discs prepared from potato tubers. p. 239.

Khodzhaev, A.S., Fidel'man, Z.M. - Effect of intermittent illumination on the interconversion of xanthophylls in green etiolated shoots. p. 242.

ENDOCRINOLOGY.

Soboleva, L.L. - Cytological cycle of the intermediate lobe of the pituitary gland in a frog. p. 245.

AKADEMIIA NAUK URSR, Kiev. Dopovidi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no 8, 1964.

Table of contents translated:

Session of the general meetings of the Academy of Sciences of the Ukrainian S.S.R. and the general meetings of the Branches of the Academy of Sciences of the Ukrainian S.S.R. p. 983.

Mytropol's'kyi, IU.O., Samoilenko, A.M. - Structure of trajectories on toroidal manifolds. p. 984.

Polozhii, H.M. - Representation of p-analytic functions by analytic functions and their derivatives. p. 986.

Buravs'kyi, IE.S. - New limit estimates for the higher eigenvalues of a quasi-differential system with a parameter under boundary conditions. p. 991.

Kolosnyk, T.V. - Use of the method of mirror images in the cathode protection of pipelines from corrosion. p. 995.

Fedorenko, IU.D. - A formula for the approximate calculation of double integrals. p. 1000.

Pavlovs'kyi, M.M. - Processes of approximation of periodic functions by trigonometric polynomials. p. 1005.

Matiichuk, M.I. - Fundamental matrices of solutions to general $\overline{2b}$-parabolic and $\overline{2b}$-elliptic systems whose coefficients satisfy Hölder's integral condition. p. 1010.

Tyvonchuk, V.I. - Use of IU.D. Sokolov's method in solving mixed type linear integral equations. p. 1014.

Lozovyk, V.H. - Coefficients of multivalent functions. p. 1019.

Mytiuk, I.P. - Quasi-conformal mappings in space. p. 1022.

Kas'ianov, V.O. - Fundamental equations of electrohydrodynamics for a laminar boundary layer and a laminar jet. p. 1026.

Silin, M.O. - Determination of hydraulic resistances in pipelines and their relation to the velocity structure of suspension carrying streams. p. 1032.

Ishchenko, I.I., Malynovs'ka, I.A. - Effect of residual stresses on the fatigue strength of steel with a sharp stress concentrator. p. 1036.

Uman's'kyi, E.S. - Estimating the strength of glass reinforced plastics on oriented, crossed, and disoriented warps. p. 1038.

Zima, V.L., Pekar, H.S., Faidysh, O.M. - Polarization of the luminescence of pure and impurity anthracene crystals. p. 1043.

Rudnyts'kyi, V.P. - Travel-time curve for refracted waves in a two-layer medium with a sloping interface. p. 1047.

Dielov, I.A., Kashchiiev, B.L., Borovych, L.I. - Principal characteristics of turbulent motion in the earth's atmosphere at an altitude of 90 to 100 km. p. 1051.

Makar, O.S. - Theory of the generalization of symmetrical parallactic schemes of indirect range-finding methods. p. 1054.

Frantsevych, I.M., and others. - Investigating the state of the atoms of molybdenum and their binary alloys. p. 100[illegible]

Ke

Perestal'ev, V.V. - Some controversial problems in the Paleozoic stratigraphy of the Northern Caucasus and their solution. p.1101.
[illegible], R.S., [illegible], F.L. - Metabolism in peaches grafted on different stocks. p.1104.
Election of academicians, correspondent members and directors of the Institutes of the Academy of Sccinces of the Ukrainian S.S.R. p.1103.
Visit of the delegation of the Academy of Sciences of the U.S.S.R. in the Ukraine. p.1114.
Present state and future development of scientific research at the Main Astronomical Observatory of the Academy of Sciences of the Ukrainian S.S.R. p.1114.
Organization of the production and testing of biomineral fertilizers on collective and state farms of the Ukrainian S.S.R. p.1120.
Organizing overall studies on the physicochemical foundations of the vitality of organisms and on the modeling of enzymatic and similar processes and their use in chemical technology. p.1121.
New books. p.1123.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia. Seriia fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]. Ashkhabad, no.2, 1963.

Table of contents translated.
Sergienko, S.R. - New trends in petrochemical synthesis p 3
Ashirov, S. - Study of a class of nonlinear operative-integral equations in a Banach space p.11
Muradova, G A., Sergienko, S.R., Korotkii, A G. - Spectral characteristics of high molecular weight of hydrocarbons of Aligul'skaya oil p.16
Fomenko, L S., Ashirova, A., Atadzhanov, A - Obtaining sodium pyrosulfite by the sulfite-lime method p.24
Sergienko, S.R., Garbalinskii, V.A., Taimova, B.A - Basic trends in the utilization of saturated high molecular weight hydrocarbons of western Turkmenian petroleums as a chemical raw material p 30.
Moiseikov, S.F., Solodkov, V.K. - Optimal temperature of the production process of oxidated road bitumens p 34
Zalkind, G.R, IArovskii, S I. - Effect of organic impurities on the oxidation regularities of iodine ion with chlorine and hypochlorite in natural waters p 39
Mirkhamidov, F.M - Some results in using the controlled directional sensitivity method in southeastern Turkmenia p 44.
Anishchenko, G.N., Golubkov, V.V. - Using the integral method for processing magnetotelluric observations p.50.
Zelen'kov, F.D - Protection of buildings from destruction by the shocks of seismic waves by the method of amortization. p 58
Esenov, A. - Complex geographical regionalization of Turkmenia for purposes of the construction of cities. p.64
Kovalenko, A.F., Vinogradov, B.N. - Mineralogical characteristics of clay rocks in Turkmenistan. p 70
Mashrykov, K.K., and others - Prospects for finding oil and gas in Jurassic sediments in the eastern regions of the Turkmen S.S.R. p.79.
Raevskii, M.I. - Two types of cross sections of the sediments in the Esenbayskaya series. p 88.
Uzakov, O. - Age of Miocene oyster beds in the southern part of the Krasnovodsk Peninsula. p.94.
Dmitriev, A.V., Kozhevnikova, G.E. - Paleogene of the central Kopetdag. p.99.
Burkova, G.N. - Some representatives of the genus Korobkovitrigonia from the Albian and Cenomanian of the Gaurdak-Kugitang region p.108.
Allanazarov, A. - Detection of the anisotropy of the B n-Ge transverse galvanomagnetic effect. p.116.
Amanniiazov, K, Khodoshin, I.M. - Find of pebbles of felsitic porphyries in the base of the Neocomian of the Tuar-Kyr region. p.117.
Davydov, I.IA. - Geostatic pressure in a water-bearing bed. p.119.
Okushko, V.B., Raevskii, M.I - Upper Oligocene sediments in the southeastern Kara Kum. p.121.
Garbalinskii, V.A., Shneer, M.S. - Central Asian Conference on Petroleum Chemistry and Chemical Reprocessing of Hydrocarbon Gases. p.124.
Aizenberg, IU.B., Davydov, I.IA. - Work of the Geological Study Group of the Institute of Geology of the Academy of Sciences of the Turkmen S.S.R. p.125.
Simonenko, A.N. - Activity of Perseids in 1959. p.127.

AKADEMIIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports]. Minsk, vol.7, no.12, Dec. 1963.

Table of contents translated:
Gromyko, V.P. - Some theorems on finite groups with a given number of classes of noninvariant conjugate π d-groups. p.797.
Zalesskii, A.E. - Hypersolvable and nilpotent subgroups of simple algebras. p.800.
Sprindzhuk, V.G. - Dilworth's theorem on partially ordered sets. p.803.
Sirota, N.N., Khachatrian, IU.M. - Effect of hydrostatic pressure on the Curie temperature of nickel-copper-zinc ferrites. p.805.
Bogush, A.A. - Scattering of lengthwise polarized electrons by scalar particles. p.807.
Bakuto, I.A. - Electronic breakdown of dielectrics. p.811.
Nepokoichitskii, A.G., IAnkovskii, A.A. - Relationship between the burning out of a measured quantity of a substance and calcination in spectrum analysis. p.814.
Konovalov, E.G., Skripnichenko, A.L. - Effect of cyclic loading of an ultrasonic frequency on the static mechanical characteristics of copper. p.817.
Emel'ianov, N.P., Vasil'eva, Z.N., Taborisskaia, E.A. - Dehydration of 1-cyclohexen-3-ol and α-tetralol to 1,3-cyclohexadiene and 1,2-dihydroxynaphthalene on alkaline earth metal phosphates as catalysts. p.821.
Gurskii, M.N., Manykin, S.S. - Littoral facies in the Kharkov series of White Russia. p.825.
Lukashev, K.I., Dromashko, S.G. - Mineralogy of Quaternary sediments in the eastern part of White-Russian Polesye. p.829.
Azniev, IU.N. - Effect of lupine on the flowering and fruit-bearing of the pine. p.843.
Blintsov, I.K. - Soil and ground conditions for the growth of Miroslav oak and fir and oak stands. p.847.
Ipat'ev, A.N. - Annual tomatoes with the tendency of ripening simultaneously. p.851.
IUvchenko, A.I. - Neurofibrils in the neurons of the cerebral cortex. p.855.
Index of articles published in the "Doklady Akademii nauk BSSR" in 1963. p.858.

Vol.8, no.2, Feb. 1964.

Table of contents translated
IAblonskii, A.I. - Asymptotic expansion of exact solutions to certain classes of differential equations. p.77.
Grudo, E.I. - Holomorphic solutions to equations of the type $x^n \frac{dy}{dx} = B(x, y)$. p.81.
Berkovich, IA.G. - Structure of finite insoluble groups whose variance equals four. p.85.
Danil'kevich, M.I., Sirota, N.N. - Specific electric resistance and activation energy of nickel-manganese-zinc ferrites. p.87.
Stepanov, B.I., Rubanov, V.S. - Method for determining the absolute concentrations of excited activator particles in a scintillation mixture. p.90.
Shishkin, G.V. - A possible approach in investigating the behavior in time of neutron fluxes from a reactor in an approximation under the perturbation theory. p.94.
Afanas'ev, N.V., Vorobei, Z.F., Kuznetsova, E.P. - Effect of pulsewise pressures on the electrolytic corrosion of metals. p.97.
Verzhinskaia, A.B. - New fast method for determining the thermophysical characteristics of materials in the form of plates and coatings. p.101.
Elina, G.L., Gusev, S.S., Ermolenko, I.N. - Preparation and spectral study of partially acetylated carboxyl-containing cellulose. p.104.
Tutaeva, N.L., Lipatova, T.E., Lipatov, IU.S. - Grafting of polyacrylate on viscose fiber. p.108.
Lupinovich, IU.I. - Intermittent structure of the lower sylvinite zone of the third potassium horizon in the Starobin deposit. p.111.
Lukashev, K.I. - Forms of the participation of trace elements in supergene mineral formation. p.116.
Filonov, V.A., Bakshtaeva, I.A. - Distribution of radioactive elements in the formation waters of the Pripet fault. p.120.
Kunin, N.F., Kisliakov, S.A. - Dynamic effects of plastic deformation in copper and its alloys. p.124.
Mitskevich, M.K. - Theoretical description of the electric corrosion process when one of the electrodes vibrates. p.127.
Prokopchuk, A.IA., Eremenko, S.A. - Effect of age on the distribution of arsenic radioisotope (As^{76}) in the brain of a dog. p.130.
Afanas'ev, N.I. - Methods for determining the maximum hygroscopicity of soils. p.133.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no.7(69), July 1964. [In Uzbek].

MIR NAUKI [SCIENTIFIC WORLD]. Issued by the World Federation of Scientific Workers. London, no.2, 1964.

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politiniu ir mokslinių žinių skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.] Vilnius, nos.3(66)-5(68), Mar.-May 1964; no.8(63), Aug. 1964. [In Lithuanian]

NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued by Vsesoiuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol.30, no.8, Aug. 1964.

NAUKA I ZHYTTIA [SCIENCE AND LIFE]. Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society of Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol.7, nos.2(71), 8(77), 11(80), Feb., Aug., Nov. 1957; vol 9, nos.1(92), Jan. 1959; vol.9, no.2(95), Feb. 1959; vol.14, nos. 8(161)-9(162), Aug.-Sep. 1964.

NOVYE KNIGI ZA RUBEZHOM. Seriia A: Matematika, mekhanika, astronomiia, geofizika, fizika, khimiia, geologiia, fizicheskaia geografiia [NEW FOREIGN BOOKS. Series A. Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol.17, no.8, Aug. 1964.

REFERATIVNYI ZHURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS: CYBERNETICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, July 1964.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.39, no.8, Aug. 1964.

b. ASTRONOMY

ABASTUMANI. ASTROFIZICHESKAIA OBSERVATORIIA Biulleten' [ASTROPHYSICAL OBSERVATORY. Bulletin]. Tiflis, no.30, 1964.

Table of contents translated
Kharadze, E.K., Bartaia, R.A. - Spectrophotometric investigation of RW Aurigae. p.3.
Mosidze, L.N. - Three-color photometry of RW Aurigae. p.21.
Kumsishvili, IA.I., Magalashvili, N.L., Abuladze, O.P. - Electrocolorimetry of RW Aurigae. p.[illegible]
Magalashvili, N.L., Kumsishvili, IA.I. - Eclipsing variable V 502 Ophiuchi. p.30
Kumsishvili, M.I. - Eclipsing variable BD [illegible] (S 4605). p.46.
Apriamashvili, S.P. - Investigation of interstellar light absorption and spatial distribution of stars in two regions of the Milky Way in Aquila and Scutum. p.49.
Dolidze, M.V. - M stars in the ζ Ophiuchi region. p.71.
Dolidze, M.V. - Loop nebula Cygni region in red and deep-red light. p.81.
Khavtasi, D.Sh. - Statistical functions of extragalactic nebulae. p.93.
Salukvadze, G.N., Khatisov, A.Sh. - Investigation of the KIM-3 coordinate-measuring machine. p.10[illegible]
Tsiruashvili, E.I., Khotsuriani, TS.S. - Investigating slits of the infrared solar spectrophotometer and extraeclipse coronagraph. p.127.
Ksanfomaliti, L.V. - Electronic photoguide p.1[illegible]
Dzhaparidze, B.N., Korol', A.N. - Automatic rotation system for a telescope dome. p.139.
Magnaradze, N.G. - Motion of a space body with a variable mass in its flight to Venus. p.143.
Brief news. p.162.
Index of articles published in bulletins of the Abastumani Astrophysical Observatory nos.1-30 (1937-1964). p.163.

AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. Biulleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. [illegible] Astronomy [illegible] 1963.

Table of contents translated:
[illegible] - [illegible] of the elements of [illegible] satellites. p.7[illegible]
[illegible], M.S. - [illegible] of the region of [illegible] periodic [illegible] of the satellite [illegible]. p.731.
[illegible] - [illegible] of the [illegible] p.[illegible]

*ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 41, no. 4, July-Aug. 1964.

Table of contents translated:

[illegible], T.A., [illegible], N.I., Kardashev, N.S. - Spiral structure of the Galaxy from observations at the 21 cm. line. p. 601.

[illegible], S.P. - Catalog of 21 cm. line profiles. p. [illegible]

[illegible], Iu.P. - Radio luminosity function of extragalactic sources. p. 619.

[illegible], V.G. - Spectral energy distribution of late type stars. p. 631.

[illegible], I.A., Malov, I.F. - Spectral variability of the supergiant η Leonis. p. 637.

[illegible], L.N. - Luminosity of η Aquilae. p. 644.

[illegible], I.A., Kaplan, S.A. - Cumulative shock waves in interstellar space. p. [illegible]

Kaplan, S.A., Klimishin, I.A. - Structure of a shock wave with emission. p. 657.

[illegible], I.N. - Light scattering in dust nebulae. p. [illegible]

[illegible], D.I. - Solution of integral equations in the theory of light scattering. p. 669.

[illegible], I.S. - Nature of solar X-ray emission. p. [illegible]

[illegible], V.V. - A two component model of the [illegible]. p. 681.

[illegible], V.D. - Model of an average facula. p. [illegible]

[illegible], I.I., [illegible], V.I. - Some dynamic properties of the cyclic activity of the sun. p. 697.

[illegible], A.D., and others. - Measurement of the brightness temperature of the illuminated side of Venus at the 8 mm. wave. p. 707.

[illegible], V.I. - New observations of the infrared spectrum of Venus (λ 1.2 - 3.8 μ). p. 711.

[illegible], I.N. - Dependence of the albedos of Venus and Jupiter on the wave length in the ultraviolet spectral region. p. 720.

[illegible], V.D. - Inhomogeneity of the properties of the lunar surface layer with depth and on the surface. p. 724.

[illegible], I.S. - Cumulative effects in comets. p. [illegible]

[illegible], V.V. - Universal photoelectric photometer with a [illegible] control. p. [illegible]

[illegible], N.M., [illegible], P.N. - Structure, age, [illegible] and dimensions of the star cluster [illegible] 734. p. 741.

[illegible], V. - Three color system for determining interstellar absorption. p. 750.

[illegible], O.A. - Luminosity function of the system of galactic clusters. p. 752.

[illegible], N.N., [illegible], I.I. - Diurnal term [illegible] of latitude variations in Gorky. p. 758.

[illegible], V.Ia. - Investigation of the spectrum of [illegible] of the earth's poles. p. 760.

[illegible], E.P., [illegible], Ia.S. - Causes of the [illegible] of the period of the earth's free nutation. p. 764.

[illegible], V.P., Stankevich, K.S. - Secular decrease of the flux of Cassiopeia A in the centimeter wave range. p. [illegible]

[illegible], V.P., [illegible], Iu.M., Stankevich, K.S. - [illegible] of radio emission of the discrete source of Cygnus A. p. [illegible]

[illegible], A.V. - New determinations of the elements of [illegible] visual binaries ADS 5448, 7203, 9186, [illegible], 12484, 14099, 14290, 15270, 16591, 16700. p. [illegible]

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Soobshcheniia [UNIVERSITY. State Astronomical Institute. Reports]. No 131, 1964.

Table of contents translated:

[illegible], M.I. - Comparison of Elsasser and Goody's models of the spectral absorption band of the infrared radiation by water vapors. p. 3.

[illegible], M.I. - Radiation absorption in a band consisting of irregularly disposed lines. p. 10.

[illegible], M.A. - Identifying the extremes of motion velocity fields by the latitude of nonrecurrent sunspot groups. p. 16.

Kuz'minykh, V.D. - Energy distribution in the continuous facula spectra. p. 24.

Lozinskaia, T.A., Kardashev, N.S. - Observations at the 21 cm. line for investigating the shape of the gas disk of the Galaxy. p. 37.

Zakharov, V.D. - Invariant description of gravitation waves. p. 41.

No. 132, 1964.

Table of contents translated:

Novikov, I.D. - R and T regions in space and time with a spherically symmetrical space. p. 3.

Novikov, I.D. - Some properties of the spherically symmetrical space concomitant with matter. p. 43.

No. 133, 1964.

Table of contents translated:

Kozhevnikov, N.I. - Contribution of atmospheric layers with various altitudes to the phenomenon of the twinkling of the sun's limb. p. 3.

Kuz'minykh, V.D. - Selecting source functions in plotting the model of a facula. p. 10.

Ozernoi, L.M. - Gravitational stability of some classes of nonhomogeneous media. p. 19.

Ozernoi, L.M. - Theory of the rotation of a gravitating gas magnetic medium. p. 28.

Glushneva, I.N. - Dependence of Venus albedo on the wave length in the ultraviolet spectrum region. p. 37.

No. 134, 1964.

Table of contents translated:

Prodan, Iu.I. - Variations of the latitude of Moscow during the International Geophysical Year and International Geophysical Cooperation by observations with the Moscow zenith telescope. p. 3.

Nesterov, V.V. - Determining corrections to the coefficients of the half-yearly nutation member by the declination. p. 17.

Guliaev, A.P., Kozina, O.A., Kabaeva, N.N. - Observations of right ascensions of the sun, Mercury and Venus with the new meridian circle at the Moscow Observatory. p. 21.

Guliaev, A.P. - Using the method of Moreau and Vorbandert. p. 24.

Nesterov, V.V. - A possible criterion for evaluating the precision of latitude observations. p. 30.

Rykhlova, L.V., Prodan, Iu.I. - Value of the screw turn of the ocular micrometer of the zenith telescope at the Moscow Observatory. p. 33.

Nasurmanova, L.P. - Determining temperature coefficient and the distances between horizontal lines on the glass plate of the ocular micrometer of the Moscow zenith telescope. p. 37.

Ponomarev, D.N., Volchkov, A.A. - Determining the distortion of the Moscow photographic zenith telescope. p. 40.

Golovina, L.A. - Investigating chromatic aberration of the objective of the 38 cm. astrograph at the Moscow Observatory. p. 46.

No. 135, 1964.

Table of contents translated:

Sagitov, M.U. - Theory of the determination of gravity constant by means of torsional vibrations of a beam with weights. p. 3.

Panteleev, V.L. - Effect of the irregularity of ship rolling on the precision of acceleration recording in gravity measurements. p. 19.

Marchuk, G.D. - Determining damping characteristics of nautical gravimeters. p. 30.

Frolov, A.I. - Gravity field of the Antarctide and the isostasy. p. 43.

REFERATIVNYI ZHURNAL: ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL: GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 8-9, Aug.-Sep. 1964.

REFERATIVNYI ZHURNAL: ISSLEDOVANIE KOSMICHESKOGO PROSTRANSTVA (Otdel'nyi vypusk 62) [JOURNAL OF ABSTRACTS: SPACE RESEARCH (Separate Issue 62)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] no. 5, 1963.

Table of contents translated:

Kotylin, A.I. - Solution of linear algebraic problems involving a three-diagonal matrix. p. 3.

Kopshinov, I.I. - Use of the electronic digital computer "Ural" in two-group traverse adjustment. p. 13.

Bol'shakov, V.D. - Relationship between errors in the elements of an extended triangle in a circular trilateration net. p. 21.

Kemnits, Iu.V. - Some statistical characteristics of mean square errors. p. 29.

Kozlov, V.P. - Iterative solution of normal equations. p. 39.

Kondrashkov, A.V., Ratynskii, M.V. - Use of the flicker method in measuring distances with an SVV-1 range finder. p. 49.

Letoval'tsev, I.G. - Generalizing the gnomonic projections for a spheroid and the main surveying problems in running ground routes. p. 61

Bronshtein, G.S. - Approximate methods for the adjustment of nets constructed by the intersection technique. p. 69.

Minin, S.E. - Triangulation adjustment by the indirect measurement technique using the multigroup method developed by Prof. A.I. Mazmishvili. p. 77

Chernikov, V.F. - Establishment of a vertical control net for observing the settling of industrial structures. p. 89

Chaikov-Feldman, V.P. - Determining the trajectory of a body from the secondary derivatives of the potential. p. 95.

Dubinovskii, V.B. - Determining the elements of mutual orientation of aerial photographs by means of an electronic computer. p. 99.

Lavrova, N.P. - Use of wide-angle cameras in aerial color photography. p. 109.

Cheptsov, V.N. - Modernizing the characteristics of the 1 : 1,000,000 international map of the world in accordance with the new specifications approved at the U.N. Technical Conference at Bonn in 1962. p. 117

Mikheechev, V.S. - Determining the main parameters of a phase optical range finder with smoothly changing modulation frequency. p. 125.

Modrinskii, N.I. - Geodetic education in the Socialist Federal Republic of Yugoslavia. p. 129.

Boldov, V.G., Selifanov, V.P. - Scientific and technological information in the fields of geodesy and cartography. p. 137.

Editor's note. p. 141.

Foreign geodetic literature. p. 142

Mikhail Nikolaevich Sergeev; obituary. p. 153.

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Erivan, vol. 15, no. 12, Dec. 1962.

Table of contents translated:

Mndzhoian, A.L., and others. - Relation between the pharmacological action and chemical structure in the series of some tropine esters. p. 3.

Akopian, S.A., Kirakosian, L.Kh. - Characteristics and nature of toxic substances of the gastric juice in radiation sickness. p. 15.

Chilingarian, A.A., Pavlov, E.F., Mkrtchian, L.P. - Hereditary transformation of color and changes in the DNA amount in Pekin ducks caused by injections of isolated erythrocyte nuclei from ducks of a different species. p. 25.

Karapetian, V.K., Giulanian, A.E. - Biological effect of ionizing radiation on the variability of spring wheat during its conversion into winter wheat. p. 33.

Kamsarakan, D.S. - Effect of the training of the cucumber vine and the space arrangement of plants on the cucumber yield in greenhouses. p. 45.

Petrosian, E.G. - Heterogeneity of eggs laid by a single mulberry silkworm moth. p. 53.

Gutsevich, S.A. - New species of Crimean fungi from the genus Phyllosticta. p. 61.

Babaian, G.B., Gasparian, O.B. - Effect of dehydration of soil samples on the content of readily soluble phosphoric acid. p. 75.

Gambarian, P.P. - Anomalies of the flower of Tulipa julia C. Koch. p. 81.

Postolan, S.R. - Occurrence of ticks of the genus Argas of the "reflexus" group in the Armenian S.S.R. p. 89.

Mulkidzhanian, IA.I. - "Trees and shrubs of the U.S.S.R." p. 93.

Index of articles published in the "Izvestiia Akademii nauk Armianskoi SSR, biological sciences" vol. 15, nos. 1-12, 1962. p. 97.

Vol. 17, no. 2, Feb. 1964.

Table of contents translated:

Davtian, G.S. - Some problems of the chemicalization of agriculture in Armenia. p. 3.

Teterevnikova-Babaian, D.N., Khrimlian, I.A., Taslakhchian, M.G. - Some fungus diseases of trees and shrubs and ornamental plants in the Armenian S.S.R. p. 11.

Adunts, G.T., Abrahamova, P.A. - Effect of pain on the functional activity of alkaline phosphatase in the kidneys of white rats. p. 21.

[illegible], A. – A [illegible] triphosphate- [illegible] the [illegible] of rabbits with [illegible] p. 17.

M[illegible], [illegible] – [illegible] pressure on the formation of [illegible] from cystine, cysteine, sulfide, [illegible] the presence of pyridoxal coenzyme [illegible].

Ak[illegible] – [illegible] characteristics of some [illegible] alkoxybenzoic acids and their [illegible] drugs. p. 47.

[illegible], G. A., and others. – Effect of antibiotics [illegible] of antibodies in immunizing sheep with [illegible] vaccine. p. 55.

[illegible], A. B., Ak[illegible], B. A., Arevshatian, M. [illegible] – Effectiveness of [illegible]mycin in calf diseases. p. 61.

Al[illegible], T. T. – Ingestion and metabolism in piglets using different kinds of food. p. 69.

M[illegible]stan, F. M. – Fertilization process in Rudbeckia [illegible]. p. 77.

[illegible]rian, F. M. – Feeding conditions of the bezoar goat (Capra aegagrus Erxl.) on the Urta (Saraybulag) [illegible]. p. 85.

Der[illegible]rian, G. G. – Physiological Institute of the K. Marx University in Leipzig (German Democratic Republic). p. 101.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Botany. Transactions]. Alma-Ata, vol. 16, 1963. [Materials on the physiology and biochemistry of plants.]

Table of contents translated.

P[illegible], T. B., and others. – Biochemical and [illegible]logical indices of the grain of the winter wheats of Kazakhstan. p. 3.

P[illegible]tova, F. A., S[illegible], S. P. – Dynamics of carbohydrates and nitrogenous substances in various organs of wheat during a drought. p. 38.

P[illegible]tova, F. A., Mam[illegible], L. K. – Influence of individual organs on the development of wheat grain. p. 51.

Gl[illegible], O. M. – Heat resistance of different spring wheat varieties in southern Kazakhstan. p. 64.

Prud[illegible]ko, I. S., Klyshev, L. K. – Changed metabolism in pea sprouts in connection with the salinization of the substratum. p. 81.

Shcherbakov, B. I., Usova, N. P. – Concentration of cell sap and drought resistance of plants. p. 97.

[illegible]ova, E. V. – Transpiration of hydrophyts and their role in the general loss of water through evaporation from Kengir Reservoir. p. 118.

Sh[illegible], A. P. – Dynamics of phosphorus compounds in the ontogenesis of the potato. p. 136.

Luk[illegible], E. L. – Age-related changes in the oxidation-reduction processes and their variation at different levels of the plant in cotton varieties differing by the ripening time. p. 157.

Bed[illegible]ko, V. P. – Spectral properties of plant leaves. p. 1[illegible].

Sokolova, V. S. – Daily variation of the optical properties of gladiolus. p. 194.

Sokolova, V. S. – Influence of air temperature on the shape of indicatrices of the dahlia leaves and petals. p. 203.

Kunaeva, R. M. – Biochemistry of apple storage in the Alma-Ata fruit region. p. 216.

Volkovich, K. V. – Biology of the flowering of corn in the desert zone of the southern Balkhash region. p. 236.

Khazhmuratov, M. – Anatomical and microchemical analysis of the distribution of ephedrine and tanning substances in the shoots of ephedras. p. 249.

AKADEMIIA NAUK SSSR. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Botanical Institute. Transactions. Ser. 1. Flora i sistematika vysshikh rastenii [Flora and the Classification of Higher Plants]. Moscow, no. 13, 1964.

Table of contents translated:

Matsenko, A. E. – Firs of the eastern hemisphere. p. 3.

Snigirevskaia, N. S. – Materials on the morphology and taxonomy of the genus Nelumbo Adans. p. 104.

Chzhan TSzin'-tan' [Chang Chin-t'an]. – Pollen morphology of Hamamelidaceae and Altingiaceae. p. 173.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Biologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Biological Institute. Transactions]. Novosibirsk, no. 9, 1962. [Problems in the reclamation of Solonetz soils of Kulunda and Baraba.]

Table of contents translated:

Foreword. p. 3.

Sellakov, S. N. – Conditions of the development and general characteristics of Solonetz soils in Baraba and northern Kulunda. p. 5.

Panfilov, V. P. – Change in the water balance of medium columnar Solonetz of Baraba during its reclamation. p. 44.

Trubetskaia, A. P. – Effect of cultivation on the change in water-physical properties of Solonetz in Baraba. p. 63.

Riabova, T. N. – Change in the salt balance and metabolic cation composition of medium colmunar Solonetz of Baraba depending on the methods of its cultivation and gypsum treatment. p. 80.

Riabova, T. N. – Salt balance in medium columnar and crustal Solonetz soils of Baraba during reclamation. p. 88.

Murashov, N. A., Volkovintser, V. I. – Nutrient balance in Solonetz soils of Baraba under different methods of cultivation. p. 99.

D'iakonova, A. A. – Salt and nutrient balance of Solonetz soils under cultivation in southern Kulunda. p. 107.

Murashov, N. A. – Effect of deep subsoil plowing on the properties of high columnar Solonetz soils of northern Kulunda. p. 118.

Sidorenko, A. I. – Microflora of virgin and reclaimed Solonetz soils of Baraba. p. 127.

Dudareva, T. E. – Sulfate-reducing bacteria in Solonetz soils of central Baraba and northern Kulunda. p. 148.

Klevenskaia, I. L. – Effect of Solonetz cultivation on the abundance and composition of actinomycetes. p. 153.

Sidorenko, A. I., Naplekova, N. N. – Fermentation activity of Azotobacter cultures separated from solonetz soils of Baraba. p. 157.

Dudareva, T. E. – Microflora of virgin and cultivated Solonetz soils in northern Kulunda. p. 163.

Izrail'son, V. F. – Physiological and anatomical characteristics of alfalfa and sweet clover grown on Solonetz soils of Baraba. p. 167.

Gorbaleva, G. N. – Biological characteristics and productivity of farm crops of Solonetz soils in Baraba. p. 178.

Davydov, G. A. – Translocation of the genetic horizons of Solonetz soils under cultivation. p. 190.

Orlovskii, N. V., and others. – Work of the PT-2-30 three-level plow on Solonetz soils. p. 200.

Denisiuk, IA. M. – Physicomechanical properties of Solonetz soils in Baraba. p. 213.

IAgupov, M. K. – Agrotechnical evaluation of the equipment for the cultivation of Solonetz soils. p. 222.

Kulebakin, P. G. – Results of the study of mechanical Solonetz cultivation in Baraba. p. 229.

Shkredova, L. F. – Economic evaluation of various methods for the cultivation of Solonetz soils in Baraba. p. 238.

Gantimurov, I. I., Pogodaeva, L. S. – Upland and crustal Solonetz soils in the districts of Baraba and methods for their reclamation. p. 242.

Barkan, A. G. – Some problems in Solonetz soil improvement in the Altai Territory. p. 247.

Migutskii, A. S. – Reclamation of steppe Solonetz soils in Omsk Province. p. 255.

Zagrebaev, I. I. – Utilization of Solonetz soils for forage plants in the northern forest steppe of Omsk Province. p. 266.

Vagina, T. A. – Improvement of meadows and pastures on solonetzes and Solonetz soils of the Baraba lowland. p. 273.

Suggestions for the reclamation of virgin Solonetz soils in Baraba and Kulunda. p. 279.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Institute of Botany. Transactions]. Ashkhabad, vol. 4, 1958.

Table of contents translated·

Preface. p. 5.

Kiseleva, N. T., Paletskaia, L. N., Sokolova, E. A. Microflora of meadow-solonchak soils in the middle reaches of the Amu Darya River. p. 6.

Volkova, E. N. – Characteristics of the development of desert ephemerals in Moscow. p. 97.

Kliushkin, E. A. – Raising pistachia in the Turkmen S.S.R. p. 127.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia biialagichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Biological Sciences]. Minsk, no. 4, 1962.

Table of contents:

Vikhrou, V. E. – Some principles of dendroclimatology and dendrochronology. p. 5.

Zenkova, E. IA., Kuprevych, V. F. – Rust fungi of the tribe Tranzscheliese in the U.S.S.R. p. 16.

TSiarents'eu, V. M., Minchankava, M. D. – Effect of various amounts of copper on the dynamics of carbohydrates in barley. p. 26.

Valynets, A. P., Mashtakou, S. M. – Morphological changes in the varieties of fiber flax treated with growth regulating herbicides. p. 33.

TSarova, R. I. – Studying the lodging resistance of barley varieties on peat soils. p. 40.

Koshaleva, L. L. – Effect of basic elements of mineral nutrition on the growth and development of flax. p. 46.

Stanishevskaia, E. M. – Paper chromatography [illegible] chlorophylls a and b. p. 52.

Klishin, A. F., Khadarenka, L. A. – [illegible] apparatus of sugar beet leaves in artificial light. p. [illegible]

Hancharyk, M. M., Halaktsionau, S. H. – [illegible] the water economy of potatoes under the [illegible] of chlorides. p. 60.

Ambrosava, H. A. – Effect of pollinizers [illegible]ties of apple. p. 63.

Vasil'eva, N. S. – Effect of trace elements on the [illegible]mental quality of asters. p. 73.

Sretenskaia, N. I. – Desmidiaceous algae [illegible] of White Russian Polesye. p. 79.

Prakapchuk, A. IA., and others. – Radio[illegible] (Ce^{144}), cesium (Cs^{137}), promethium ([illegible]) [illegible] their therapeutic effect. p. 84.

Karavaeu, U. R. – Studying the anaphylact[illegible] reactogenic properties of heterogeneous [illegible] synthetic plasma substitutes in acute radiation sickness. p. 91.

Archakova, L. I. – Comparative characteristics [illegible] reception of the serous and mucous membranes [illegible] the jejunum in dogs. p. 103.

Nikitsenka, M. F. – Morphological characteristics [illegible] the evolution of the vertebrate brain. p. 1[illegible].

Zhukau, P. I. – Changes in the composition of the ichthyofauna of the waters of White Russia [illegible] the past 100 years. p. 120.

Merzhaeuskaia, O. I. – Owlet moths of White Russia. p. 127.

Karasev, M. F. – Larval diphyllobothriasis of [illegible] animals in the Berezina State Preserve. p. 1[illegible].

Gatsko, G. G. – Study of tyrosine metabolism as related to age. p. 133.

Shimalov, V. T. – Unusual localization of the [illegible]tode Molineus patens Petrov, 1928 in the [illegible] of the weasel (Mustela nivalis L.). p. 1[illegible].

List of articles published in the journal in 196[illegible]. p. 136.

No. 4, 1963

Table of contents translated:

Nesislaovich, M. D., Sirotkina, R. R. – Water [illegible]tent of annual shoots of woody plants during fall, winter and spring. p. 5.

Smirnova, V. A., Zakharenkava, H. F. – Dynamics [illegible] reserve substances in the annual shoots of [illegible] plants. p. 12.

Marhalik, H. I. – Anatomic characteristics of leaves as an indicator of the photophily of plants. p. 1[illegible].

Haponenka, V. I. – Quantitative relation between the chlorophyll and photosynthesis. p. 28.

Antsipau, V. H., Fiodarava, R. – Coniferous [illegible] plants in Kaliningrad Province. p. 34.

Kudrautsava, V. M. – Determining the viability of the pollen of Polygonum Weyrichii F. Schmidt and P. divaricatum L. by the germination method. [illegible]

Nikalaeva, V. H. – Study of popular medicinal plants [illegible] White Russia. p. 44.

Vasil'eva, N. S. – Effect of microelements on the growth, development and yield of gladioli. p. 4[illegible].

K[illegible]ova, L. S., Vechar, A. S. – Conditions for the accumulation and the mechanism of the formation of riboflavin by the micro-organism Eremothecium ashbyii. p. 54.

Nalimava, L. S. – Disorders of zinc metabolism in children with leukemia. p. 64.

El'tsau, N. S. – Effect of cobalt and magnesium salts on the secretory function and chemical composition of saliva in sheep. p. 67.

Heine, H. A. – Restoration of coronary blood circulation during the acute period of experimental myocardial infarct. p. 74.

Katsel'nikau, A. A., Blahun, Z. A., Matiukevich, H. F. Roentgenokymographic characteristics of the contractive ability of the heart muscle in experimental myocardial infarct. p. 80.

Amvros'eu, A. P. – Characteristics of the afferent innervation of the ascending colon. p. 85.

Dziadziulia, E. H. – Afferent pathways of interoceptive reflexes from the ileocecal region of the intestine in cats. p. 93.

Rozin, M. I. – Effect of 6-methylthiouracil on the thyroid gland and conditioned reflexes in dogs. p. 100.

Siarzhanin, IU. I. – Trophic relations, enemies and parasites of the squirrel (Sciurus vulgaris Fedjuschini Ogn.) in White Russia. p. 107.

Hoanisiiani, T. H., Birh, A. V., Laurova. – Materials on the species and ecology of weevils (Coleoptera, Curculionidae) in White Russia. p. 113.

Dambrouski, V. K. – Cultivation of the goldfish (Carassius auratus L.) in the White Russian S.S.R. p. 12[illegible]

Shimalov, V. T. – Skrjabingylus invasion in fur-bearing mammals of the family Mustelidae in White Russia. p. 132.

Rykovskii, G. F. – Occurrence of new species of [illegible] in White Russia. p. 134.

Pashuk, V. P. – Classification of the foci of Trichinella invasion. p. 137.

List of articles published in the journal "Vestsi Akademii navuk BSSR; seryia biialagichnykh" for 1963. p. 140.

ARKHIV ANATOMII, GISTOLOGII I EMBRIOLOGII [ARCHIVES OF ANATOMY, HISTOLOGY, AND EMBRYOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.43, no.8, Aug 1962.

Table of contents translated·

Sotnichenko, T.S. - Morphological data on intracortical connections of anterior and posterior limbic and motor areas of the cat brain. p.3.

Belova, T.I. - Postcentral and upper parietal areas of the cerebral cortex in "arboreal" monkeys. p.11.

Goncharenko, L.E. - Development of sensory nuclei of the human trigeminal nerve and their cellular structure. p.29.

Sokolov, V.B - Functional significance of nerves of the spinal cord. p.35.

Gorbatsevich, Z.N., Luk'ianova, I.P - Sensory innervation of nerve trunks. p 43.

Zorina, A.A., Mudrenko, E.G - Sensory endings in the ganglia of the cervix uteri and the vagina in human fetuses and children. p.48

Mol'man, E.P., and others. - Interrelation between the structural characteristics, the gradient of intraorganic neural elements along the intestinal tube and its motor functions p.53

Kagan, I.I. - Morphology of the nervous apparatus and experimental morphological analysis of innervation of the popliteal lymph nodes p.64.

Otelin, V.A. - Some age-related characteristics of the innervation of the facial skin. p.69.

Grigor'ev, N I. - Liver regeneration in lower vertebrates. p.77

Kositsyn, I I. - Localization of ribonucleic acid in *the lymph node cells.* p 88.

Rotenberg, A.L - Lymphatic capillaries of the mucosa of the appendix with transplanted cancer p 96.

Dorzh, G, Goncharenko, E.I., Damdinsuren, B. - History of anatomy in the Mongolian People's Republic p 99

Tokin, I.B. - Electron microscopic study of the fertilization process. p.101.

Levina, M IA, Martsinkevich, L.D - "Atlas of the microscopic structure of tissues and organs, practical exercises for students in histology" by V G.Eliseev, IU.I.Afanas'ev, E.F.Kotovskii p.115.

Baiko, G.F. - "Postnatal development of diploetic veins in the human skull base and their connections" by P.N.Koryt'ko. p.119.

Babmindara, V.P. - Some neurohistological investigations in Hungary, impressions from a trip to the Hungarian People's Republic. p.122.

Aviiplii Davidovich Zurabashvili, on his 60th birthday and the 35th anniversary of his medical, scientific and pedagogical activities p.125.

Nikitiuk, B A - Bookshelf. p.2 of cover.

Vol.43, no.11, Nov., 1962.

Table of contents translated:

Tekhver, IU.T. - Histological terminology. p.3.

Petrov, V.S. - Electron microscopic study of nerve cells and some extracellular elements of ganglia of the solar plexus. p.12.

Ivanova, L.N., Vinogradov, V.V. - Histochemical characteristics of mucopolysaccharides of the interstitial tissue of the medullary substance of the kidneys. p.18.

Doganov, E.P. - Changes in the Nissl bodies of the motor neurons under the influence of training involving motion. p.24.

Speranskii, V.S. - Comparative anatomical aspect of pulmonary zones and segments. p.29.

Glotberman, S.E. - Age-related morphology of the human appendix. p.46.

Khodos, A.B. - Vascularization of the penis. p.52.

Astanin, L.P. - Age-related changes in the proportions of the human hand. p.58.

Aizenberg, M.F. - Morphology of the public symphysis. p.68.

Gimmel'reikh, G.A. - Musculus syndesmopharyngeus in the light of the evolution of the branchial musculature of mammals. p.76.

Labbok, A.I., Sharafislamov, F.Sh. - Anatomical data on nervous connections between the sympathetic trunk and the vagus nerve in the thoracic region of human fetuses and newborn infants. p.83.

Talantov, V.A. - Does "sinal" resorption of the bone occur? p.85.

Rokhlin, G.D. - Characteristics of the elbow in persons engaged in manual work with a considerable length of service. p.92.

Zosimovskaia, A.I. - Study of the mitotic cycles of marrow cells. p.99.

Shubich, M.G., Kutakh, G.I. - Method for multicolored staining of the gastric mucosa based on the histochemical detection of acid and neutral mucopolysaccharides, protein, and nucleic acids. p.112.

Spirov, M.S. - "Problems in human embryology, papers of the Department of Normal Anatomy of the Astrakhan Medical Institute," no.2, 1961 p 114.

Romanov, IU.A., Makhovko, V.V. - Symposium on cell division and regeneration of endocrine glands p.119.

Dolishnii, N.V., Sudzilovskii, F.V., Gzgzian, D.M. Conference on collateral circulation in Stanislav, May 24-26, 1962. p.122.

IUlii Mikhailovich Zhabotinskii, on his 60th birthday and 30th anniversary of his scientific activities, p.127

Vol.45, no.11, Nov.1963.

Table of contents translated

Prives, M.G. - Effect of gravitational overloading on the structure of the vascular system. p.3.

Botar, D. - Shifts in impregnation and peripheral nerve endings of the autonomic nervous system. p.14.

Babmindra, V.P. - Neuroplasmic component of pericellular apparatus. p.31.

Sergeev, K.K. - Age morphology of human skin exteroceptors. p.38.

Biriuchkov, IU.V. - Optic nerve in man and some mammals. p.46.

Makarov, P.V. - Study of the nuclear structures of frog oocytes. p.53.

Sukhanov, A.F., Vinogradova, D.V. - Histochemical characteristics of postembryonal histogenesis in the heart of the white rat. p.62.

Vorob'ev, B.I. - Angiocardioarchitectonics under normal conditions and in some heart diseases. p.66.

Krasovskii, G.T. - Age-related anatomy of the extraorganic lymphatic apparatus of the small intestine. p.71.

Gusev, A.M. - Lymphatic vessels of the human conjunctiva. p.81.

Zeligman, S.B. - Growth of human vocal cords. p.88.

Stenyk, V.V. - Angioarchitectonics of the optic thalamus of the rabbit in direct and collateral blood circulation. p.93.

Korotkov, A.G. - Innervation of the aortic wall in the frog. p.98.

Klishov, A.A. - Histogenesis of experimental somatic muscle tumors. p.102.

Ginzburg, V.V. - Original Soviet textbooks of human anatomy for medical students. p 111.

Zhinkin, L.N. - "The living cell." p.122

Spirov, M.S. - Scientific students' group of the Department of Normal Anatomy of the A.A.Bogomolets Medical institute in Kiev. p.124

Kas'ianenko, V.G. - IUrii Aleksandrovich Orlov, on his 70th birthday. p.126.

Vol.45, no.12, Dec. 1963.

Table of contents translated.

Tokin, I.B. - Current concepts on the structure and functions of the Golgi apparatus. p.3.

Simagin, E.I. - Afferent innervation of the parietal fascia of the true and false pelvic in man. p.23.

D'iachkova, L.I. - Sensory innervation and state of the tissue elements in the stomach wall following vagotomy. p.30.

Shkurko, V.I. - Sources of afferent innervation of the parotid glands in cats. p.35.

Maksimuk, IU.A. - Distribution and potential properties of the bronchial arteries in dogs with reference to shifts in external respiration. p.41.

Bodrova, N.A. - Functional-morphological characteristics of muscles of the humerus and scapula in animals with different types of locomotion. p.51.

Erez, B.M. - Some modifications of macro-microscopic methods of examining the vegetative nervous system. p.57.

Polianskii, I.I. - A famous Russian morphologist-Darwinist; on the 40th anniversary of the death of Academician Vladimir Mikhailovich Shimkevich. p.59.

Revazov, V.S. - Czechoslovakian morphological journal "Československá morfologie" for 1962. p.69.

Etingen, L.E. - Plenum of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists, Voronezh, June 11-12, 1963. p.74.

Tokin, B.P. - Fourth Conference of Embryologists. p.79.

Nikolai Antonovich Shevchenko; on his 60th birthday. p.84.

Nikitiuk, B.A. - Bookshelf. p.86.

Bibliographic index of the articles published in the "Arkhiv anatomii, gistologii i embriologii" for 1963 (vols. 44 and 45). p.88.

*BIOFIZIKA [BIOPHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.7, no.5, *1962.*

Table of contents translated:

Birshtein, T.M. - Theory of helix-coil transitions in *biopolymers;* titration curves of polynucleotides during the helix-coil transition. p.513.

Chirgadze, IU.N. - Analysis of vibrations of the peptide group. p.523.

Krol', IU.N. - Model study of a particular principle of the microevolutionary process. p.529.

Struchkov, V.A. - The nature of [illegible] deoxyribonucleic acid. p.538.

Sukhorukov, B.I., Lyatsov, V.N., Moshkovskii, IU.Sh. - Thermal denaturation of DNA as related to the pH value. p.551.

Anufrieva, E.V., Vol'kenshtein, M.V., Sheveleva, T.V. - Studying the interaction of deoxyribonucleic acid with Acridine Orange by the method of polarized luminescence. p.554.

Kariakin, A.V., Chibisov, A.K. - Spectral study of the *state of* water in chlorophyll. p.561.

Nekrasov, L.I., Kobozev, N.I., Komissarov, G.G. - Studying the adsorption of chlorophyll on organic and inorganic carriers. p.563.

Rubin, A.B., and others. - *Studying the average duration* of the fluorescence of protochlorophyll during the greening of etiolated leaves. p.571.

Litvin, F.F., Rikhireva, G.T., *Krasnovskii, A.A.* - Low-temperature spectra of plant leaves and the state of chlorophyll. p.578.

Preobrazhenskaia, T.A., *Shnol', S.E. - Effect of* D_2O on spore germination and mycelium growth in Rhizopus nigricans. p.592.

Kuzin, A.M., Trincher, K.S. - Enzymatic analysis of the surface layer of *erythrocytes.* p.599.

Alekseidze, N.G. - Effect of the redoxpotential of the external environment on the sensitivity of the muscle to acetylcholine. p.602.

Azhipa, IA.I., Kalushin, L.P., L'vov, K.M. - Changes in the amount of free radicals in the skeletal muscle during atrophy. p.610.

IArbus, A.L. - Perception of flashing images stationary in relation to the retina. p.615.

Arshavskii, IU.I., Berkinblit, M.B., Kovalev, S.A. - Place of the appearance of transformation rhythm in the nerve fiber with artificially produced inhomogeneity. p.619.

Dzhavrishvili, T.D. - Effect of direct current on the electric potentials of the cerebral cortex. p.624.

Usov, V.V. - Statistic properties of the electroencephalogram and the electrocorticogram. p.629.

Runge, E.K. - Changes in the reaggregation speed of the macerated sponge Halichondria panicea as related to the D_2O content of seawater. p.632.

Dubrov, A.P. - Recent development of the method of ultraviolet microirradiation in biology. p.634.

Chailakhian, L.M. - Electric structure of excited tissues and the mechanism of the transmission of nerve impulses. p.639.

Litvin, F.F., Vladimirov, IU.A. - Symposium on the mechanism of photosynthesis at the Fifth International Biochemical Congress. p.652.

Vol.8, no.1, 1963.

Table of contents translated:

Vol'kenshtein, M.V., and others. - Kinetics of biosynthesis. p.3.

Urmantsev, IU.A. - Types of dissymmetry in nature. p.9.

Tumanian, V.G., Shnol', S.E. - Physiological and mutagenic actionof D_2O on Drosophila melanogaster. p.15.

Riabchenko, N.I., Spitkovskii, D.M., TSeitlin, P.I. - Some physicochemical aspects of single-strand DNA. p.19.

Berlin, A.A. - Study in the field of mechanochemistry of polymers; some biological problems in the mechanochemistry of natural polymers. p.28.

Braginskaia, F.I., El'piner, I.E. - Complexes of protein molecules with polyanions and the effect of ultrasonic waves of them. p.34.

Kometiani, Z.P. - Interrelation of free radicals with the active transfer of sodium ions in the skin of frogs. p.40.

Fudel'-Osipova, S.I., Martynenko, O.A. - Formation of a membrane potential in the early period of ontogenesis and its connection with the size of the muscle fiber. p.45.

Georgiev, G.P., Chentsov, IU.S. - Ultrastructure of the nucleus on the basis of electron microscopy of isolated nuclei subjected to extraction by salts. p.50.

Mitiushin, V.M. - Morphologic relation of the mitochondria and the ergastoplasmatic network in the cells of Ehrlich's ascitic carcinoma. p.58.

Gurtovoi, G.K. - Intravital study of the characteristics of the penetration of labeled substances into eye *tissue.* p.62.

Makarov, P.O. - Three forms of the relation of the hearing threshold to its duration. p.69.

Dubikatis, IU.V., Dubikaitis, V.V. - Potential field and α-rhythm on the surface of the human head. Report No.2. p.77.

Person, R.S. - Problems in the interpretation of the electromyogram. Report No.1: Comparison of the electromyogram upon recording with epicutaneous and needle electrodes. p.82.

Smirnov, I.V. - Theoretical basis of the principles of cultivation of unicellular algae. p.90.

[illegible], A. N., [illegible], I. G. - Examination of the contrast in the electron microscopic image. p.101.
Kazarnskii, V. P., Stepin, L. D., Tkach, V. K. - Use of a new variant of the resonator method for measuring dielectric constants for the study of high molecular weight compounds. p.112.
[illegible], V.I. - Study of the bremsstrahlung of P^{32} with the aid of a scintillation γ-spectrometer. p.117.
Saak[illegible], V.S. - Evaluation of the effectiveness of the chromatographic method of separating xanthophylls on paper with the aid of the C^{14} isotope. p.123.
[illegible], V.G., Fal[illegible], N.G., Andreeva, N.S. - DNA, carrier and code of hereditary information. p.124.
Veselovskii, V.A., Sekamova, E.N., Tarusov, V.N. - Mechanism of superweak spontaneous luminescence of organisms. p.125.
[illegible], IU.L., Gurskii, A.V., Ostapovich, L.F. - Photoreactivation in higher plants. p.127.
Kariakin, A.V., Berezov, IU.E., Anisimova, I.N. - Fluorescence of esophageal and stomach tissue under the action of ultraviolet light. p.129.
Sukhorukov, B.I., Maikhanov, G.I. - Specific interaction of purines and pyrimidines in the nucleic acid chain. p.131.
Basurmanova, O.K. - Some properties of the fine structure of the conducting elements in the head ganglion of insects. p.132.
Rybin, I.A. - Role of elastic oscillations in the nerve fiber during the propagation of excitation. p.134.
Liberman, E.A. - Role of energetic barriers in the origin of membrane potential differences. p.136.
Presman, A.S. - Excitability in parameciums following stimulation by impulses of direct and alternating current. p.138.
Spitkovskii, D.M. - Problem of the quasi-single-spiral state of deoxyribonucleic acid in the deoxyribonucleo protein complex, mechanism of DNA reduplication. p.140.

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society] Moscow, vol 49, no 5, May 1964

Table of contents translated

Solntseva, M P., IAkovlev, M S - Conditions determining the development of monocotyledonous characters in the early embryogenesis of feather grasses p 625.
IUrtsev, B A - Main paths in the evolution of Oxytropis species belonging to the section Baicalia Bge. p.634.
Fot'ianova, L I - Upper Miocene flora of the western coast of Sakhalin. p.649
Nosova, L I - Description of the tundra and forest-tundra vegetation in the Yana-Omoloy interfluve (northern Yakutia) p 661
Nabatov, N M - Dynamics of the herbaceous soil cover and its effect on the growth of pine plantations. p 669.
Tatarinova, N.K - Methods of studying the longevity of roots in meadow grasses. p 678.
Rusiaeva, G G - Pasture digression in the sand deserts of the eastern Balkhash region p.682.
Il'ina, E IA - Morphological nature and age-conditioned changes in the tillering section of the blue-hybrid alfalfa p 685.
Shatalina, M S - Primary stages of the development of Caucasian rhododendron (*Rhododendron caucasicum Pall*) *p 690*.
Cherepanova, N P. - Fungi found on ticks. p 696.
Sherstnev, E A , Kurilenok, G V. - Effect of boron on the content of free amino acids and on the incorporation of C^{14}-tyrosine into the proteins of the sunflower p.699
Antipov, N I. - Water and air economy of some water plants. p.702.
Burdonov, E.I - Some data on the development of the onion Allium proliferum Schrad. ex Willd. p.707
Bogachev, V K., Gorokhova, V.V., Dubrovina, A.V - New data on the occurrence of plant species rare for Yaroslavl Province. p 709.
Vozzhinskaia, V.B - Distribution of algae in the littoral of the Grossevicha Bay (Sea of Japan) p 712.
Kanevskaia, I.G - Cellulose-decomposing soil fungi. p.715.
Delle, G.V - Critical review of some Jurassic species of horsetails p.720.
Kuz'min, V I. - Biology of flowering and the structure of flowers in the knotweed Polygonum coriarium Grig. p.725.
Khantimer, I.S. - Eatability of plants in the grazing lands of the extreme north of the Komi A.S.S.R. p.731.
Bannikova, V.A. - Opening of flowers and the lengthening of the stamen filaments in Gramineae. p.735.
Krylova, M.I. - Male sterility of flowers in onions (variety "Markovskii, improved") p 739.
Goloskokov, V P. - Wild grape in the Trans-Ili Alatau p 742
Matveev, V.I - Flowering of Elodea canadensis Rich in the waters of the middle Volga Valley. p 743.
Forsh, O D - Species of fern new for the flora of the U.S.S R. p 744.
Elagin, I.N - "Problems of forest phenology; geographical symposium," no 16, 1963 p 745.
Boch, M S - "On the regional subdivision of swamps in southern Finland," by S.Eurola. p.748.
Aleksandrova, V D , and others. - To the memory of Vladimir Stepanovich Shtepa. p.750.
Lipshits, S IU - Life and work of the outstanding Russian botanist-systematist N S Turchaninov (1796-1863), on the occasion of the 100th anniversary of his death p 752
Rules for the authors of "Botanicheskii zhurnal." p 767.
To the Soviet palynologists. p.770.

Vol. 49, no. 7, July 1964.

Table of contents translated:

Mokronosov, A.T. - Interrelations of photosynthetic and dark fixation of CO_2 in the carbon nutrition of plants. p.935.
Barskaia, E.I. - Winter condition of chloroplasts in the bark of trees and shrubs. p.947.
Kozubov, G.M., Ganiushkina, L.G. - Effect of ultrasonic waves on the seeds of trees and shrubs. p.957.
Kaden, N.N. - Schizocarpes. p.966.
Fedorov, A.K. - Differences in shoot development between annual and perennial Gramineae. p.974.
Boch, M.S., IUrkovskaia, T.K. - Comparison of the bog regions of Karelia, Kola Peninsula, and Finland. p.980.
Skriabin, S.Z. - Fragments of the Koeleria steppe in the middle reaches of the Indigirka River. p.989.
Kuvaev, V.B., Vlasov, M.I., Gubanov, I.A. - Larskpur Delphinium confusum M. Pop., a new medicinal plant. p.997.
Serafimovich, N.B. - Biology of the tall oat grass (Arrhenatherum elatius). p.1003.
Naumenko, Z.M. - Picea obovata Ldb. at the far northwestern boundary of its range. p.1008.
Matiuk, I.S. - Types of reed (Phragmites communis Trin.) growths in the Kuban Delta. p.1013.
Aneli, N.A., Shtromberg, A.IA. - Special characteristics of the structure of the conducting system in the Georgian genistas. p.1018.
Sevulescu, O.T. - Some endemic or rare species of Peronospora in the Rumanian Peopel's Republic. p.1023.
Komendar, V.I. - Occurrence of Narcissus angustifolius Curt. in Transcaucasia. p.1024.
Salunskaia, N.I. - What organs of corn are attacked by common smut. p.1032.
Redulesku-Ivan, D. - Role of rhizomatous grasses in the dynamics of the green mass in some communities of the Streletskoye Steppe. p.1035.
Vasiliauskas, A. - Effect of trace elements on the growth of the fungus Fomitopsis annosa (Fr.) Bond. et Sing. in culture. p.1045.
Lisina, E.S., Bekker, Z.E. - Mycoflora of the rhizosphere of symbiotrophic cultivated plants. p.1048.
Egorova, V.N. - Seed reproduction of vetchling (Lathyrus pratensis L.) and tufted vetch (Vicia cracca L.). p.1051.
Aleksandrov, F.A. - Effect of gibberellin on the growth and yield of common meadow mushrooms (Agaricus compestris). p.1056.
Mordovets, A.A. - Peppergrass (Cardaria Draba (L.) Desv.) as a dangerous field weed in arid steppes. p.1057.
Butuzova, O.V. - Content of ash elements in various parts of pine and spurce. p.1060.
Filippova, L.N. - Effect of the composition of vegetation in a reclaimed tundra on the development and yield of grasses. p.1063.
Korchagina, N.I. - Biological and morphological changes in the Central-Asiatic ephemerous plants introduced into the Khibiny Mountains. p.1067.
Petrovskii, V.V. - "Structure of plant associations" by N.A.Miniaev. p.1070.
Porfir'ev, V.S., Kudanova, Z.M. - To the memory of Agniia Dmitrievna Pletneva-Sokolova. p.1073.
Larin, I.V. - Tikhon Aleksandrovich Rabotnov; on the occasion of his 60th birthday. p.1076.
Grigor'ev, IU.S. - Ivan Tikhonovich Vasil'chenko; on the occasion of his 60th birthday and the 35th anniversary of his research activities. p.1085.
Dorogostaiskaia, E.V. - Problems of forest-tundra in the biogeography and the ways of the reclamation of forest-tundra areas; all-Union symposium of December 9-15, 1963 in Leningrad. p.1088.

*ENTOMOLOGICHESKOE OBOZRENIE [ENTOMOLOGICAL REVIEW]. Issued by Vsesoiuznoe entomologicheskoe obshchestvo [All-Union Entomological Society]. Leningrad, vol. 42, no. 4, 1963.

Table of contents translated:

Malysheva, M.S. - Biological evaluation of the chemical pine looper moth Bupalus piniarius L. (Lepidoptera, Geometridae) control in the Savala Forestry, Voronezh Province. p.709.
Belosel'skaia, Z.G. - Rowan moth Argyresthia conjugella Zell. (Lepidoptera, Hyponomeutidae) as a pest of apple and rowan fruits. p.720.
Markelova, E.M. - Ecologic characteristics of the development of the rose leaf roller Cacoecia [illegible] L. (Lepidoptera, Tortricidae) in the gardens of the Moscow region. p.730.
Zabirov, Sh.M. - Ecology of the onion bulb fly [illegible] strigatus Fall. (Diptera, Syrphidae). p.736.
Maevskii, A.G. - Ecology of the hibernation of the malaria mosquito Anopheles maculipennis Mg. (Diptera, Culicidae) in northern districts of the White Russian S.S.R. p.744.
Trofimov, G.K. - Housefly Musca sorbens Wd. (Diptera, Muscidae) in Azerbaijan. p.757.
Gaidiene, E., Narchuk, E.P. - Biology of the [illegible] fly Hapleginella laevifrons Lw. (Diptera, Chloropidae), an inhabitant of pine cones. p.765.
Ragim-zade, M.S. - Effect of climatic conditions on the efficiency of different races of the honeybee Apis mellifera L. (Hymenoptera, Apidae). p.770.
Mal'kovskii, M.P. - Polymorphism and phase [illegible] ability of Dociostaurus kraussi Ingen. (Orthoptera, Acrididae) on the Mangyshlak Peninsula and in the Usturt. p.778.
Ter-Minasian, M.E. - Phylogenetic relations among the weevils of the subfamily Cleoninae (Coleoptera, Curculionidae). p.782.
Timchenko, G.A., Troml', A.G. - Poplar pests in the eastern part of the Ukraine and Crimea. p.7[illegible].
Vansulin, S.A. - Notes on fleas (Aphaniptera) of the northeastern Caspian Sea region. Part 2. p.811.
Violovich, N.A. - Fauna of fleas (Aphaniptera) in Kamchatka. p.817.
Glukhova, V.M., Berzina, A.N. - Biting midges (Diptera, Heleidae) in the floodplain of the middle [illegible] of the Kacha River, Krasnoyarsk Territory. p.[illegible]
Bei-Bienko, I.G. - Fauna and biology of horseflies (Diptera, Tabanidae) in the taiga of the middle Yenisey Valley. p.833.
Dyrlbek, Ja., Dyrlbek, K. - Fruit flies (Diptera, Trypetidae) of Bulgaria. p.845.
Lopatin, I.K. - A new species of the leaf beetle of the genus Jaxartiolus Jacobs (Coleoptera, Chryso[illegible]dae, Cryptocephalinae) from Kazakhstan. p.[illegible].
Liubishchev, A.A. - Two new palearctic species of the genus Chaetocnema of the group Ch. [illegible] March. (Coleoptera, Chrysomelidae, Halticinae). p.856.
Tobias, V.I. - Parasitic Hymenoptera from the genus Agathis Latr. (Hymenoptera, Braconidae) of Kazakhstan and Central Asia. p.864.
Triapitsyn, V.A. - Systematic position of the parasitic hymenopteron Coccidencyrtus ambiguus ([illegible]) (Hymenoptera, Encyrtidae). p.884.
Taxonomy and development of Glyptotendipes gla[illegible] Mg. and G. gripekoveni Kieff. (Diptera, Chironomidae). p.889.
Elberg, K. - A new species of the spiny-legged fly Themira paludosa sp.n. (Diptera, Sepsidae) from Estonia. p.900.
Shtakel'berg, A.A. - Diptera of the genus Tetanocera Dum. (Diptera, Sciomyzidae) of the European part of the U.S.S.R. p.912.
Zhabinskaia, M.I. - Larvae of some species of grass flies of the genus Chlorops Mg. (Diptera, Chloropidae) in the European part of the U.S.S.R. p.924.
Volgin, V.I. - Two new species of predatory mites of the family Cheyletidae (Trombidiformes). p.9[illegible].
Tobias, V. - "Origin of anthophily in insects" by E.K. Grinfel'd. p.945.
Alphabetic index to the articles for 1963, Vol. 42. p.947.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoiuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 49, no. 11, Nov. 19[illegible]

Table of contents translated:

Kvasov, D.G. - I.M. Sechenov's "Brain reflexes" and Russian physiological science in the 19th century and the first half of the 20th century. p.[illegible]
Biriukov, D.A. - I.M. Sechenov's evolutionary ideas and some problems in the physiology of nervous activity. p.1286.
Airapet'iants, E.Sh. - Sechenov's predictions on internal analysors and the present state of knowledge pertaining to them. p.1294.
Narikashvili, S.P. - Cortical and subcortical interaction during analysor activity; some research results. p.1303.
Sudakov, K.V., Fadeev, IU.A. - Characteristics of ascending activation of the cerebral cortex in a state of physical starvation and during pain stimulation. p.1310.
Belekhova, M.G. - Electric activity of the cerebral hemispheres of Varanus griseus induced by excitation of structures of the diencephalon. p.1318.
Baru, A.V., Maruseva, A.M. - Electric responses of the peripheral section of the auditory system in various mammals. p.1330.
Glezer, V.D., Ivanov, V.A. - Electroretinographic study of the factors of ocular adaptation. p.1337.

Morozhuk, V.M., IAshchenko, A.G. - Effect of stimulation of the cerebral cortex on the electric activity of the respiratory muscles of a cat. p.1343.
Petapov, A.N. - Electrophysiological study of the consequences of ventral hemisection of the spinal cord in cats. p.1353.
[illegible], B.I. - Characteristics of coronary chemoreceptors. p.1360.
Kostiuk, P.G., Timchenko, V.N. - Characteristics of prolonged depolarization of the central branches of afferent fibers in the spinal cord of a frog. p.1369.
Kandel', E.I., Kopaladze, G.D., Kukin, A.V. - Method for local destruction of subcortical formations of the brain by freezing with liquid nitrogen. p.1378
[illegible], V.N., Vinogradov, E.V. - Electrodes for recording the biopotentials of nerves in a chronic experiment. p.1381.
[illegible], D.G. - Repin's portraits of I.M. Sechenov and other Russian physiologists. p.1383.
[illegible], E.M. - I.M. Sechenov's first period of activities at the Medico-Surgical Academy in Petersburg (March 1860-April 1862). p.1385.
[illegible], A.N. - The Leningrad I.M. Sechenov Society of Physiologists, Biochemists and Pharmacologists on the 100th anniversary of I.M. Sechenov's "Brain reflexes." p.1387.

FIZIOLOHICHNYI ZHURNAL [PHYSIOLOGICAL JOURNAL]. Issued by Instytut fiziolohii Akademii nauk URSR [Institute of Physiology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.9, no.6, Nov-Dec. 1963.
Table of contents translated:
Makarchenko, O.F., [illegible], M.L. - Some philosophical problems of the relation between physiology and cybernetics. p.707.
[illegible], P.M., Makul'kin, R.F. - Significance of the diencephalon in the formation of cortical electrical activity. p.718.
[illegible], I.O. - Effect of intra-aortal injection of potassium chloride on mono- and polysynaptic reactions of the spinal cord. p.727.
[illegible], H.H. - Motor alimentary (food-procuring) conditioned reflexes in dogs at different moments of a static load. p.731.
[illegible], T.O. - Effect of cooling on the cardiac activity of certain vertebrates. p.741.
[illegible], I.M., [illegible], I.V., Trynus, F.P. - Analysis of the hypotensive effect during the action of agents inactivating SH groups. p.749.
[illegible], K.S. - Effect of prolonged administration on testosterone propionate on the morphological composition of the blood of adrenalectomized rats. p.754.
[illegible], T.K., [illegible], N.G. - Role of the spleen in the regulation of the protein composition of the blood serum. p.759.
[illegible], A.F. - Effect of morphine on the secretory and motor functions of the stomach in human beings. p.765.
[illegible], IE.I., Eidel'man, F.M., Semenchuk, P.H. - Proteins and mucoproteins of the gastric juice in various forms of chronic gastritis. p.775.
[illegible], M.IA. - Changes in the bioelectrical activity of the rabbit brain under the effect of a slowly increasing compression. p.781.
[illegible], H.O. - Comparative characteristics of the disorders of higher nervous activity in schizophrenics in the state of psychosis and in the state of remission. p.787.
[illegible], E.O. - Present state of the problem of electrolyte and water absorption in the gastrointestinal tract. p.794.
Vorontsov, D.S., [illegible], R.S. - Outstanding scientist of Lenin's era; on the occasion of the 60th birthday of Academician O.F. Makarchenko, member of the Academy of Sciences of the Ukrainian S.S.R. p.805.
[illegible], M.S. - Evaluating the steadiness of basic nervous processes in dogs with various types of the nervous system. p.810.
[illegible], M.M. - Possibility of establishing motor food conditioned reflexes after the destruction of caudate nuclei. p.813.
[illegible], V.I. - Functional and temperature characteristics of the recovery period after profound fatigue induced by prolonged work. p.816.
[illegible], IU.P. - Phonocardiogram in healthy dogs. p.818.
[illegible], Z.IA. - Innervation of the serous membrane of the appendix. p.821.
[illegible], IU.D. - Effect of small concentrations of light aerosols on the cardiac activity of rabbits. p.824.
[illegible], P.M. - Evaluation of the functional state of the thyroid gland of swine after local irradiation with X rays. p.827.
[illegible], M.I. - Method of simultaneous recording of [illegible] of salivary gland activity. [illegible]
Morhun, IE.H. - Modification of the anthrone method for determining sugar in the blood, excretions and some foodstuffs. p.830.
Vavryk, Zh.M. - Conference on the oxygen starvation and respiratory properties of blood. p.833.
Alphabetical index to vol.9, 1963. p.834.

Vol.10, no.1, 1964.
Table of contents translated:
Vorontsov, D.S. - *Basic characteristics of the physiological structure of the living cell.* p.3.
Bratus, N.V. - Electrophysiological research on the interaction of visceral impulses in the cerebellar cortex. p.16.
Demimovs'kyi, O.F. - *Primary evoked potentials* between different levels of the primary auditory zone of the *cerebral cortex.* p.25.
Hryshko, F.I., Lytovchenko, S.V. - Physiological *characteristics of the neuromuscular apparatus* in aged persons. p.31.
Kozlova, L.N. - Formation and dynamics of conditioned *inhibition in ontogenesis in dogs.* p.39.
Adamenko, M.P., Kovtun, A.P. - Conditioned response *activity in animals revived following fatal electric* trauma. p.47.
Hydenko, H.H. - Changes in the protein fractions of the blood serum in dogs during muscle activity of various intensity. p.55.
Belyaeva, T.V., Khomyts'ka, L.F., TSlonik, V.A. - Reactive changes in the metabolism of infarction and peri-infarction portions of the heart in dogs. p.61.
Syrotina, M.F. - Changes in the renin content of the kidneys in the dynamics of development of reflexogenic hypertension. p.68.
Levchenko, M.N. - Effect of adrenalectomy and some steroid hormones of the adrenal cortex on the content of mineral components in the brain and muscles. p.76.
Vashalko, V.M. - Effect of aminazine and reserpine treatment of enzyme activity (catalase, transaminase and aldolase) in the blood of schizophrenia patients. p.82.
Baraboi, V.A. - Radiation-protective effect of gallates in irradiations with 1000 roentgens. p.89.
Voitkevich, A.A. - Organization and function of the neurosecretory system in higher invertebrates. p.94.
Vasylenko, V.O. - Some aspects of the pain problem; pain as a natural mechanism of evaluation. p.102.
Martynenko, O.A. - Resting potential in the muscles of rat embryos. p.107.
Shershn'ova, O.S. - Afferent impulsation in the sciatic nerve of rabbits in experimental inflammation in the gastrocnemius muscle. p.109.
Nuridzhanova, A.A. - Effect of vagotomy on respiratory muscle function. p.113.
Mansurov, T., TSyrul'nykov, V.A. - Research on hemodynamic disorders in acute arterial hypertension induced by the introduction of adrenaline. p.117.
Pliskhanov, M.I. - Reactivity of the cholinoreceptors in relation to the acetylcholine concentration. p.119.
Zgrabablova's'ka, V.N., Blavdzevych, A.A. - Changes in some indices of the protein function of the liver under the effect of splenin. p.121.
Stalsek, N.K. - Changes in conditioned response function and cholinesterase activity in animal blood under the effect of methyl mercaptophos. p.122.
Chikilenko, F.O. - Changes in phosphorylase activity in some organs of white rats under the effect of heptaldiuer. p.125.
Petrova, I.S., Sakun, P.O. - Study of gallbladder function in elderly and senile persons; roentgenological method. p.127.
Chudakov, M.I. - Effect of gallbladder stimulation on the secretory and motor function of the stomach in man. p.129.
Makoe', R.P. - Duodenal function in mechanical stimulation of the stomach in peptic ulcer. p.131.
Lyzogubov, D.V., Nikiforov, M.I. - Automatic feeding trough for the conditioned response chamber. p.133.
Korallova, N.F. - Motor function of the restored urinary bladder in various techniques of intestinal plastic surgery. p.137.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, no.9, 1964.

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Biulleten'. Otdel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Bulletin. Biological Section]. Moscow, new series, vol.68, no.3, May-June 1963.
Table of contents translated:
Blagoveshchenskii, A.V. - Biochemistry of plants and the national economy. p.5.
Mosolov, L.P., *Dobrokhotov, B.P., Pronina, E.A.* Survey of the abundance and epizootic state of murine rodents, including the water rat, in the R.S.F.S.R. in 1962 and the prognosis for 1963. p.10.
Varfolomeeva, A.A., Lavrova, M.IA. - Antigenic structure of leptospirosis agents with respect to the ecology of basic host animals. p.14.
Larina, N.I., Golikova, V.L. - Geographical changes in the association of murine forest rodents with particular biotopes in the European part of the U.S.S.R. p.21.
Bashenina, N.V., Borovskaia, E.M. - Characteristics of the development of temperature regulation in voles during the first month after their birth. p.34.
Ermolova, N.M. - Some adaptive characteristics of the extremities of reindeer. p.46.
Skripchinskii, V.V. - Some problems of the theory of plant ontogeny. p.61.
Sokolova, S.M. - Transformation of nitrogenous substances in perennial wheat. p.76.
Sobolev, L.N. - Characteristics of the distribution of vegetation and soils in the parkish spruce forests of the Tien Shan. p.82.
Tiuremnov, S.N. - Distribution of Sphagnum imbricatum. p.98.
Dokhman, G.I. - Synusial structure of phytocenoses. p.110.
Matako, S.N. - Relativity in evaluating the ability of live organisms and their tissues to withstand cooling. p.119.
Sudilovskaia, A.M. Change in the nesting area of gray crane, white crane and demoiselle crane in the Soviet Union. p.125.
Buks, I.I. - Some characteristics of the development of Dahurian larch in the Lena-Olenek watershed north of the Arctic Circle. p.127.
Chepikova, A.R. - Chlorophyll content of timothy grass at different ages. p.131.
Rabotnov, T.A. - Works of A.P. Shennikov in the field of grassland research. p.134.
Nasimovich, A.A. - Transactions of the Pechoro-Ilych State Preserve. p.142.
Skvortsov, A.K. - Atlas of the geographical distribution of plants on the British Isles. [in English]. p.146.
Brief news. p.148.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no.86, 1964.
Contents: Svetovidov, A.N. [Fishes of the Black Sea] Ryby Chernogo moria. 550 p.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30f)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.14-16, July-Aug. 1964.

REFERATIVNYI ZHURNAL BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.14-17, July-Se
Avtorskii ukazatel' [Author Index]. vol.2

[illegible] S.M. - [illegible] in Paramecium [illegible] No. 2. [illegible] p. 41.

[illegible] rapid [illegible] in meas-[illegible] plastic ani-[illegible]

[illegible] - Effect of [illegible] cobra [illegible] apparatus in cats.

[illegible] p. 62

[illegible], I.A. - Taste analysis in [illegible] old girl. p. 68.

[illegible], T.B. - Effect of proprio-[illegible] electrical activity of the [illegible] p. 72.

[illegible], A.A. - [illegible] properties of erythro-[illegible] p. 76.

[illegible], V.A. - Resistance of the [illegible] to radiation and trau-[illegible] p. 82.

[illegible], M.L. - Study of the electro[illegible] activity of the spleen tissue in irradiated [illegible] p. 87.

[illegible], A.N. - [illegible] of tetrads and hexads of [illegible] p. 91.

[illegible], O.P. - Parasitism degree of dodders and the [illegible] of parasitism of flowering plants. [illegible]

[illegible], T.K. - Vegetative reproduction of the [illegible] p. 103.

[illegible], G.M. - Conspectus of the flora of the Greater [illegible] Range. Report No. 1. p. 107.

[illegible], F.I. - Effect of root and caryopsis ex-[illegible] hair grass on the shoots and [illegible] of birch and fir seeds. p. 119.

[illegible], A.A., [illegible], R.V. - Effect of pre-sowing treatment of cornseeds with succinic acid [illegible] acid metabolism. p. 127.

[illegible], I.A., [illegible], N.K. - Content of various forms of nitrogen and water-soluble carbohydrates in tobacco leaves topdressed with lithium. p. 135.

[illegible]tak, V.I. - Effect of mineral fertilizers on the [illegible] of carnation and its ornamental properties. p. 13[illegible].

[illegible], G.F. - Role of potassium in obtaining high yields of forage cabbage on peat-boggy soils of [illegible]. p. 143.

[illegible]ko, I.A., Shul'gin, I.A - Effect of different illumination conditions on the anatomicomorphological structure of radish leaves. p. 149.

[illegible], A.A. - *Demonstration experiment on photosensitizing action of chlorophyl.* p. 154.

[illegible], N.A. - Sources and ways of spreading of the [illegible] bacteriosis in *melons.* p. 156.

Riabov, F.P. - Nomogram for the determination of the biomass of micro-organisms. p. 161.

Lisina, E.S. - Mycoflora of the rhizosphere in meadow symbiotrophic plants. p. 165.

Lebed', E.S. - Effect of some herbicides on soil mycoflora. p. 171.

Narbut, S.I., Khropova, V.I. - Effect of environment on the heterosis manifestation in the ontogeny of tomato hybrids. p. 177.

Vasil'ev, A.E. - Characteristics of the individualized shoots of chimeral poplars. p. 184.

Chernenko, E.S. - Winter hardiness of apple trees grown from the tissues of crown and root. p. 190.

Gazarina, F.I., Schastnaia, L.S., Khanlulev, A.A. - Soil formation in the northern taiga of Archangel Province. p. 197.

Tiurina-Zeinalashvili, R.I. - Change in the composition of the humus in Chestnut and Solonets soils in the trans-Volga region under the influence of farming practices. p. 202.

Tonkonozhenko, E.V. - Cobalt and copper in the soils of Krasnodar Territory. p. 208.

Belikov, P.S. - On P.A. Genkel''s book "Plant physiology and the principles of microbiology." p. 214.

*TSITOLOGIIA [CYTOLOGY]. *Issued by* Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 4, July-Aug. 1963.

Table of contents translated:

Rozental', D.L., Troshin, A.S. - New data on substantial changes due to cell damage and stimulation. p. 365.

Kushner, V.P. - Physicochemical mechanisms of protein and polypeptide denaturation in relation to the problem of paranecrosis. p. 379.

Raikova, E.V. - Cytomorphological study of female gonads of the coelenterate Polypodium hydriforme. p. 391.

Grif, V.G. - Effect of low temperatures upon the mitosis and chromosomes of plants. p. 404.

Krolenko, S.A., Nikol'skii, N.N. - Distribution of cyanol between the giant axon of the squid and its environment. p. 414.

Pisareva, L.N. - Phosphorus distribution between the muscle and the environment in solutions with various calcium concentrations. p. 420.

IAnkovskii, A V. - Pathology of infusorians. Report No. 2. Life cycles of Suctoria parasiting in Urostyla and Paramecium. p. 428.

Publication of registered discoveries. p. 439.

Liberman, E.A., Chailakhian, I.M. - Nature of biopotentials of nerve and muscle fibers. Report No 2 Advantages and disadvantages of the current phase theory of biopotentials. p. 440.

Koval', V.P. - Microscopic structure of the head of a living human spermatozoon. p. 449.

Kniga, A.N - Cytological diagnosis of scleroma. p. 452.

Epifanova, O I, Chumak, M.G. - Effect of adrenaline on the mitotic cycle of the intestinal epithelium in mice. p. 455.

TSoneva-Maneva, M.G., Nezlin, R.S. - Study of the ability of a phytohemagglutinin from kidney bean seeds of the Saksa variety to stimulate mitosis of peripheral blood leucocytes in vitro. p. 458.

Val'dshtein, E.A. - Oxygen effect and postradiation recovery of a bacterial cell after X-ray treatment. p. 460.

Seravin, L.N., Natochin, IU.V. - Effect of respiration inhibitors on the survival of the infusorian Paramecium caudatum. p. 461.

Bookshelf. pp. 465, 484.

Vladimirov, V.G., Sharobaiko, V.I. - Effect of acid extraction of nucleic acids on the extent of ultraviolet ray scattering by sections of certain tissues. p. 466.

Ivanov, V.B. - Application of bromophenol blue for quantitative histochemical determination of proteins Report No. 2. Cause of varied staining affinity in corn root tip cells of various ages. p. 470.

Agroskin, L.S. - Ultraviolet microfluorimetry of the cell. p. 474.

Conference on ultraviolet radiation. p. 476.

Aspiz, M.E., Zalkind, S.IA. - Third Conference on the Problems of Regeneration and Cell Reproduction. p. 477.

Braun, A.D. - Seminar on cell physiology and biochemistry at the Institute of Cytology of the Academy of Sciences of the U.S.S.R. p. 479.

Zhirmunskii, A.V. - Conference of the readers of "TSitologiia" p. 481.

*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY]. *Issued by* Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 55, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Torchinskii, IU.M - Properties of SH- and S-S groups and causes of changed reactivity of these groups in proteins p 161

Zhdanov, IU A - A new class of natural glycosides. p. 182.

Potapov, M I - "Antibodies" of plant origin and some research problems. p. 191.

Godnev, T.N., Akulovich, N.K., Rotfarb, R.M. - Complete synthesis of chlorophyll and its biosynthesis. p 204.

Maiskii, L.N., and others. - Therapeutic and cytotoxic action of antibodies and their role in the pathogenesis of cancer. p. 219.

Ado, A.D - Mechanisms of the pathogenic action of endotoxins of microbes of the intestinal group. p. 239.

Shtenberg, A.L., Okorokova, IU.I., Eremin, IU.N. - Dietary factor and endemic goiter. p. 255.

Genes, S.G. - Adrenal cortex and carbohydrate metabolism p 277

Liberman, L.L - Insulin activity of the blood. p. 296.

Bernshtein, V.A - "Blood sugar" by L.G. Leibson. p. 313.

Ioganzen, B.G., Ivanov, V.P. - A conference on the problems of intraspecific relations of organisms. p. 316.

VOPROSY PITANIIA [PROBLEMS OF NUTRITION]. *Issued by* Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 22, no. 3, May-June 1963.

Table of contents translated.

Gontea, I., Sutescu, P, Dumitrache D - Human protein requirements during performance of work. p. 3.

Loranskaia, T.I - Change in proteins, proteids and aminotransferase activity in the blood serum of patients with chronic liver diseases under the influence of diet therapy. p. 8.

Oleneva, V A. - Dynamics of changes in stomach peristalsis under the influence of diet therapy in patients with stomach and duodenal ulcer based on electrogastrographic data. p. 14.

Novakovskaia, A A., Tikhomirova, A N., Guseva, T.M. - Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administrative. p. 19.

Brakhsh, T.A., and others. - Role of dietary fat [illegible] the development of experimental hyper[illegible] p. 22.

Kadyrov, U.Z. - Effect of a diet deficient in [illegible]tropic substances on the excretion of biliary phospholipids p 28.

Korobkov, G.G, Tereshchenko, I F, [illegible] Effect of a varying content of protein and vita[illegible] in the diet on the susceptibility of white rats [illegible] plague infection p 36

Shtenberg, A.I., Kusevitskii, I.A., Abdulin', K [illegible] Effect of cobalt on the thyroid gland state [illegible] by low-protein diet against a background of differ[illegible] iodine supply p 41.

Boikova, L T. - Content of zinc in the tissues [illegible] gans of rabbits during total starvation p 47

Rubinshtein, IU.I., and others. - Hygienic evalu[illegible] of meat treated with antibiotics to prolong [illegible] period of its preservation. p 51

Shamrai, E F., Moroz, A.P. - Formation [illegible] bodies and phagocytic activity of blood neutr[illegible] under the influence of galascorbin. p. 5[illegible]

Zalesskaia, IU.M., Martinson, E E., Tiakhep[illegible] L.IA. - Effect of vitamin C on the synthesis of glutamine and amidization of proteins in the [illegible] p. 60.

Kukes, V G., Vlasova, M.N. - Content of vitamin [illegible] the blood plasma and in some food products [illegible]sumed by the native population of the Far North p. 64.

Lavrov, B.A., Terent'eva, E.L. Citric acid [illegible] in the blood of rats during prolonged administration of large doses of vitamin D p. 68

Rubenchik, B.L. - Change in the riboflavin level in rats during cancerogenesis induced with [illegible] methylaminoazobenzene and following the adm[illegible]tion of the food-dye, amaranth p. 72

Aleksandrov, V.N. - Evaluation of the vitamin A [illegible]tent of the body by luminescent [illegible] sections. p. 79.

Galkin, V.A - Some aspects of the nutrition of the population of Yemen. p. 82

Sidorov, N.V. - Nicotinic acid metabolism [illegible] therapy of patients with eye diseases p 8[illegible]

Korotkov, I L. - Exact determination of [illegible] on the ascorbic acid content of potatoes. p [illegible]

Gasenko, L.I., Alekseev, N.A. - Quality of [illegible] sold in the markets of Melitopol'. p. 86

Ruzhnikova, T.N. - Content of fluorine in food [illegible] from the Irkutsk Province. p. 86.

Isaeva, G.IA., Enoshevskaia, K K. - Determination of residual quantities of thiophos and [illegible] in plant food products. p. 88

Serebriannaia, S G. - Second All-Union Scientific [illegible]ference on the Hygiene and Toxicology of Pest[illegible] p. 90.

TSvang, I.M. - Large-scale vitaminization of [illegible] products for mass consumption. p. 93.

Vol. 23, no. 1, Jan.-Feb. 1964.

Table of contents translated:

Pokrovskii, A.A. - Biochemical basis for develop[illegible] products with increased biological value. p [illegible]

Zalesskaia, I.M., Martinson, E.E., Tiakhep[illegible] Disorders of glutamine synthesis and amidation of brain proteins in vitamin C deficiency. p [illegible]

Matusis, I.I., Ulasevich, I.I. - Changes in the [illegible] coagulation system and their significance in the development of a hemorrhagic syndrome in the deficiency of ascorbic acid and capillary-stren[illegible]ening bioflavnoids in the body. p. 22.

Ekisenina, N.I., Miagkova, L.P., Mirer, M.I Effect of vitamin C on the immunobiological reactivity of the body in chronic colitis and enterocolitis. p. 26.

Khaustova, T.N. - Phagocytic reaction in children during their first year of life determined against a background of an adequate diet under home [illegible]tions. p. 30.

Hejda, S., Krzikova, L - Nutrition and health of people performing night work for long periods of time. p. 33.

Sudakova, S.A., Odina, K.M. - Effect of pyridoxine on the clinical and morphological picture of experimental hepatitis. p. 38.

Shteberg, A.I., Kusevitskii, IA. - Effect of predominant carbohydrate nutrition in iodine deficiency, associated with some functional stresses on the development of experimental goiter. p. 43.

Romysh, L.F., Patoni, R.L., Godos, G.IA. - Iodine content in food products of local origin in regions of the White Russian S.S.R. with various distribution rates of endemic goiter. p. 51.

IAkovleva, Z.A. - Mineral content of principal commercial fish caught in the southern and central Atlantic and verification of the correlation between the content of mineral elements and protein. p. 57.

Gabovich, R.D., Kul'skaia, O.A. - Content of [illegible] trace elements in food rations of the population [illegible] the Central zone of the Ukraine. p. 60.

TSeitlina, A.I., Lapina, S.A. - Effect of vitamin P (rutin) on the cholesterol content in the blood serum and the level of ascorbic acid in the organs of experimental animals p. 67.

Filippov, I.M. - Effect of small doses of DDT on the biosynthesis of ascorbic acid in rat organs p. 70

Igantovich, Z.A., Vitivker, V S - Role of Clostridium perfringens in the etiology of food poisoning p. 74.

Zagaevskii, I S. - Sources of Salmonella contamination of beef. p 77

Bondarev, G.I., Odintsova, V D. - Comparative characteristics of the assimilability of beef subjected to freezing, heat sterilization and irradiation p. 81.

Kochish, F I, Zel'chane, O.I - Preservability of vitamin C in artificially vitaminized milk prepared by the Riga Milk Combine. p 82.

Rotenberg, S, Kaventskii, A. - Enriching poultry meat with cobalt. p 83.

Mirzabekian, A O, and others. - Toxic infections caused by Salmonella brandenburg p. 85.

Ostroglazov, A.I - Iodinated bread in the preventio of endemic goiter in Amur Province. p. 86

Davidov, R B, Sokolovskii, V P - Once more on kumiss from cow's milk p 87.

Andriasov, A.N. - Symposium on the methods used in studying the nutrition and health of the population. p 90.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 43, no. 4, 1964.

Table of contents translated:

Chemicalization of the national economy and problems of zoology. p. 481.

Shvarts, S.S., Bol'shakov, V.N., Piastolova, O.A. - New data on various methods of the adaptation of animals to the change of environment. p. 483.

Byzova, IU.B. - Effect of spraying chemicals from an airplane on the fauna of soil invertebrates in coniferous forests. p. 488.

IAnkovskii, A.V. - Morphology and evolution of Ciliophora. Report No. 1: New system of Heterotrichida occurring in sapropel. p. 503.

Voskresenskii, K.A., Lebedeva, L.I. - Study of the populations of Cladocera by the method of semi-isolation in a body of water. p. 518.

Beer, S.A. - Fauna and ecology of spiders in Murmansk Province. p. 525.

Dubinina, E.V. - Life cycle of mites of the genus Histiophorus (Sarcoptiformes: Listrophoridae). p. 534.

Zolotarev, E.Kh. Elizarov, IU.A. - Study of chemoreception in insects and ticks; characteristics of the function of chemoreceptors in the tick Hyalomma asiaticum P. Sch. et E. Sch. under the influence of repellents. p. 540.

Shinganova, B.R. - Characteristics of the structure of the mouth parts in coleopterous larvae feeding on plants. p. 560.

Kir'iakova, A.N. - Larvae of fleas of the family Ctenophthalmidae. Report No. 4. p. 572.

Ivanov, A.V. - Structure of the posterior part of the body of Pogonophora. p. 581.

Shuntov, V.P. - Transequatorial migrations of the short-tailed shearwater (Puffinus tenuirostris (Temm.)). p. 590.

Numerov, K.D. - Changes of the color of sables in the Yenisey area of Siberia during individual years. p. 599.

Teikova, L.A. - New data on the mode of food intake in the flagellates of the genus Rhynchomonas. p. 606.

Lukin, E.I., Epshtein, V.M. - Geographical distribution of two Southern Palaearctic species of leeches, Batracobdella algira (Moq.-Tand.) and Herpobdella stschegolewi Lukin et Epstein. p. 607.

Narzikulov, M.N. - A new species of plant lice of the genus Aphis L. from Komodo (Indonesia). p. 609.

Rostigaev, B.A., Shiranovich, P.I. - A new species of fleas, Ctenophthalmus (Euctenophthalmus) tataricus Rostigayev et Schiranovitsch sp. n. p. 612.

Kucherov, E.V. - Horseflies of the Ufa Upland and Mesyagutovo forest steppe in Bashkiria. p. 614.

Bogan, F.E. - Expansion of the range and some biological characteristics of ide in the upper Pechora River. p. 616.

Voronov, G.A. - Biology of the northern pika in the upper Lena Valley taiga. p. 619.

Fil', V.I. - Population of the Asiatic ibex in Tofalaria (Eastern Sayan Mountains). p. 621.

IUr'ev, K.B. - Review of I.I. Kanaev's book "Essays on the history of comparative anatomy before Darwin; development of the problem of the morphological type in zoology." p. 623.

Giliarov, M.S. - Review of E.N. Pavlovskii's book "Papers on experimental zoology and poisonous animals." p. 626.

Brief news and information. p. 629.

d CHEMISTRY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Erivan, vol. 16, no. 1, 1963.

Table of contents translated

Kostanian, K.A. - Electric conductance of fused alkali-borate and alkali-silicate glasses. p. 3.

Avakian, S.N., Eminian, R.S. - Complex compounds of manganese and nickel chlorides with dicyanamide. p. 13.

Vartanian, S.A., Badanian, Sh.O., Musakhanian, G.A. - Chemistry of vinylacetylene. Report No. 38 Hydrochlorination of vinylisopropenylacetylene, dimethylvinylethynycarbinol, and dimethylvinylethynylchloromethane in the presence of various catalysts. p. 19.

Martirosian, G.T., Grigorian, E.A. - Addition of amines to isoprene. p. 31.

Babaian, A.T., Martirosian, G.T., Kocharian, S.T. - Amines and ammonium salts. Report No. 22 Thermal cleavage of ammonium salt. p. 37.

Dangian, M.T., Zalinian, M.G., Arakelian, S.V. - Preparation of 2-diethylaminoethyl esters of substituted γ-chlorocrotylacetic acids. p. 43.

Mesropian, E.G., Dangian, M.T., Kaltakhchian, E.G. - Oxidation of alkoxymethyl-γ-chloroallylacetic acids by hydrogen peroxide in an acetic acid medium. p. 47.

Matsoian, S.G., Akopian, L.M. - Cyclic polymerization and copolymerization. Report No. 20: Synthesis and study of the cyclic polymerization of divinyl acetals of o-, m-, p-chlorobenzaldehydes, α-naphthoic aldehyde, and benzophenone divinyl ketal. p. 51.

Aroian, A.A., Darbinian, V.V. - Chloromethylation of esters of phenoxyacetic and β-(phenoxy)-propionic acids. p. 59.

Mesropian, E.G., Kaltakhchian, E.G., Dangian, M.T. - Synthesis of some new barbituric and thiobarbituric acids. p. 69.

Giul'budagian, L.V., Karapetian, R.V. - New derivatives of 4-quinaldinol. Report No. 8: 6- and 8-halo derivatives of 3-(p-alkoxybenzyl)-4-quinaldinol. p. 73.

Agbalian, S.G., Nshanian, A.O., Nersesian, L.A. - Use of nitrilium salts in the synthesis of heterocyclic amino acids. Report No. 1. Derivatives of 3,4-dihydroxy-1-isoquinolineacetic acid. p. 77.

Terzian, A.G., Akopian, Zh.G., Tatevosian, G.T. - Derivatives of indole. Report No. 11: β-Carbolines and their tetrahydroxy derivatives methylated in the pyridine ring. p. 87.

Vol. 16, no. 2, 1963.

Table of contents translated:

Krmoian, T.V., Pogosian, R.K. - Mechanism of the retardation of water evaporation by 1-hexadecanol monolayers. p. 97.

Kostonian, K.A., Avetisian, E.M. - Electric conductance of glasses of the system Na_2O - B_2O_3 - SiO_2 in the fused state. p. 117.

Avakian, S.N., Karapetian, R.A., Eminian, R.S. - Obtaining aminoacetylenic complex compounds of the chlorides of nickel and cobalt. p. 125.

Abramian, A.A., Sarkisian, R.S. - Oxidation of organic compounds by potassium permanganate and a volumetric determination of sulfur. p. 131.

Vartanian, S.A., Mesropian, L.G., Tosunian, A.O. - Chemistry of vinylacetylene. Report No. 39: Order of addition of chloromethyl ethers to vinylisopropenylacetylene and some transformations of obtained chloride. p. 137.

Krbekian, G.E., Sinanian, E.G., Akopian, A.N. - Chemistry of divinylacetylene and its halo derivatives. Report No. 15: Copolymerization of trans-2,3,4,5-tetrachloro-1,3,5-hexatriene with vinyl chloride and vinylidene chloride. p. 145.

Matsoian, S.G., Voskanian, M.G. - Cyclic polymerization capacity of aliphatic divinyl acetals. p. 151.

Matsoian, S.G., Saakian, Al'b A. - Synthesis of aryl vinylethynylcarbinols. p. 159.

Mndzhoian, A.L., and others. - Derivatives of p-alkoxybenzoic acids. Report No. 21: Some cyclohexylalkylaminoalkyl esters of p-butoxybenzoic acids. p. 163.

Mndzhoian, A.L., and others. - Derivatives of furan. Report No. 29: Amino esters of 4,5-substituted 2-furancarboxylic acids. p. 175.

Khazhakian, L.V., and others. - Derivatives of indole. Report No. 12: Structure of benzylideneharmine and some of its derivatives. p. 181.

Introduction of the International System of Units in the U.S.S.R. - p. 191.

Vol. 16, no. 6, 1963.

Table of contents translated:

Vagramian, N.T. - Metal distribution on the electrode surface during deposition by the reversing current. p. 521.

Mkhitarian, S L, Bellerian, N M, Chaltykian, O A - Study of peroxide - amine systems as polymerization initiators p 527

Avakian, S N, Karapetian, R.A - Complex compounds of chromium and iron with 1-dimethylamino-5-methyl-2,3-hexadien-5-ol p 535

Babaian, G G, and others - Solubility diagram of the system NaOH - KOH - H_2O at 0 and 20° C p 539

Vartanian, S.A, Badanian, Sh O, Mushegian, A V - Chemistry of vinylacetylene. Report No 45 Synthesis and conversion of vinylacetylenic amines (acetylene-allene-cumulene rearrangement in vinylacetylenic systems) p 547

Dovlatian, V V, Kostanian, D A - Chloromethoxymethylation and conversions of products obtained Report No 4 Action of a chloromethylating mixture on ethyl esters of α-arylacetoacetic acids p 559

Dovlatian, V.V., Gambarian, Z.A - Chloromethoxymethylation and conversions of products obtained Report No 5 Problem of formation of S-substituted derivatives of thiourea from α-chloro ethers p 565

Matsoian, S.G., Morlian, N M. - Cyclic polymerization and copolymerization Report No 27 Radical polymerization of dimethylvinylethinylcarbinol in solutions p 571.

Airapetian, G.M - Isolation of molybdenum compounds from strong acid solutions containing iron and calcium p. 581

Manvelian, M G, Nadzharian, A K - Composition of the solid phase during the interaction of nepheline syenite with caustic soda solution p 589

Author index p 607

Index of articles p 617

AKADEMIIA NAUK SSSR. Izvestiia. Seriia khimicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Chemical Series]. Moscow, no. 7, July 1964.

Table of contents translated

Vitt, S V, Bondarev, V B, Polinin, V L - Separation of close-boiling mixtures on a capillary chromatograph with flame-ionization detection p. 1145

Fan Fu-kan [Fang Fu-k'ang], Kuznetsov, A K, Keler, E K - Rare earth zirconates and their physicochemical properties Report No 1 Zirconates of lanthanum, neodymium, and cerium. p. 1151

Toropov, N.A, and others. - Phase equilibria in the system yttrium - alumina. p 1158

Nazarova, R.I. - Electron diffraction examination of the processes of oxidation of thin films of intermetallic compounds in the system nickel - aluminum. p 1164.

Lazarev, A.N., Tenisheva, T.F. - Polymorphism of molecules and complex ions in oxygen compounds of silicon and phosphorus. Report No. 4: Phase transitions and conformations of the octamethylcyclotetrasiloxane $[OSi(CH_3)_2]_4$ molecule p 1168

Neiman, M B., Rozantsev, E.G - Stable radicals as antioxidants. p. 1178.

Berlin, A.A, Vonsiatskii, V A, Liubchenko, L S - Electron paramagnetic resonance spectra (EPR) of some polynuclear aromatic hydrocarbons p 1184

IAgudaev, M.R., and ot
tensities of infrared

[illegible] I I, IA [illegible], I A, Kucherov, V F - [illegible] Report No 15 Selective [illegible] 1-hexene and some [illegible] p 1245

[illegible] and trans perhydropyrin- [illegible] 1247

[illegible], Lopatin, B V - [illegible] 1-veratryl- [illegible] 1-[illegible]-3-propanol p 1254

[illegible] - Synthesis and transforma- [illegible] p 1260

[illegible], V V - Telomerization [illegible] Report No 6 Reaction [illegible] with methyldichloro- [illegible], and methyl- [illegible] p 1269

[illegible], V V - Telomerization of [illegible] Report No 7 Preparation [illegible] with functional [illegible] p 1271

[illegible], A I, Zhdanov, A A, Andrianov, K A - [illegible] polymerization of organosiloxane oligo- [illegible] alkalies Report No 1 [illegible] and method of preparing [illegible] The polymerization process p 1276

K[illegible], V V, and others - Preparation of poly- [illegible] reaction Report No 1 [illegible] p 1281

Korshak, V V, Vinogradova, S V, U Ban-iuan' [Wu Pan-yuan] - Heterochain polyesters. Report No 50 Structure of polyamid arylates obtained by interfacial polycondensation p.1288.

Korshak, V V, Vinogradova, S V, U Ban-iuan' [Wu Pan-yüan] - Heterochain polyesters Report No 51 Polyarildiarylates and polyarylates based on acid chloride of bis-(p-carboxyphenyl)-methylphosphine oxide p 1292.

Vinogradova, S V, Korshak, V V, Papava, G Sh - Heterochain polyesters Report No 56 Mixed [illegible] polyarylates based on polyethylene oxide, [illegible] and aromatic dicarboxylic acid chlorides p 1296

[illegible], A A, Shikhovskaia, F P, Ispirian, [illegible] - Addition of mercaptans to N-vinyl and N-allylthiourea p.1303

[illegible], B P, Serpinskii, V V, Surinova, S I - Adsorption of vapor mixtures on zeolites p.1309

[illegible], A N, and others. - Proton magnetic resonance spectra of some metallo-organic compounds of silicon and germanium. p 1312.

I., O B - Polarography of diethyl ether peroxide. p.1314

Alimov, P I, Artoshina, L A - Derivatives of diethoxyphosphorylamido-N-sulfenic acid. p 1316

Gusev, B P, Kucherov, V.F - Character of alcohol addition to diacetylenic carbinols. p 1318

Anisimov, K N, and others - Ethers of 2-hydroxy-hexen-5-yn-3-yl-2-cyclopentadienylmanganese tricarbonyl p 1320

Astakhova, A S, Khidekel', M L - Reactions of some 1,4-dihydropyridines with maleic anhydride and maleic acid. p.1322

Bondar', I.A, Galakhov, F IA - Phase equilibria in the system $Y_2O_3 - Al_2O_3 - SiO_2$ p 1325,

Nesmeianov, A N, and others. - Homologs of cyclopentadienylmanganese tricarbonyl. p.1326.

Airapetiants, A V, and others. - Study of the electric properties of polyacrylonitrile in the process of its thermal treatment. p 1328

Glukhovtsev, V G, Zakharova, S.V, Vasilevskaia, G K - Synthesis of furan aldehydes containing a three-membered ring p.1330.

Meshcheriakov, A.P., Dolgii, I E - Synthesis and properties of hydrocarbons with two adjacent three-membered carbon rings p.1333.

Nikiforov, G A., Ershov, V.V. - Sterically hindered aminophenols and quinodiazides. p 1335

Khorlin, A IA, Bakinovskii, L.V., Vas'kovskii, V E - Aralosides A, B and C from Aralia elata. p.1338

Sarkisian, G A, Nalbandian, A B - Electron paramagnetic resonance method of detection of free hydrogen and oxygen atoms in rarefied flames of hydrogen sulfide with oxygen p.1340.

IAnovskaia, L A, Kucherov, V F. - Reaction of carbethoxymethylenetriphenylphosphorane and diethyl ester of carbethoxymethylphosphinic acid with some aldehydes and ketones. p.1341.

Zhenodarova, S M, Sedel'nikova, E.A. - o-Alkoxyethylidene derivatives of uradine 3'-phosphate. [illegible]

Akhrem, A A, Titov, IU.A, Kravchenko, Z A - New synthesis of an analog of steroid compounds without the ring B. p.1355.

Nesmeianov, A.N, Anisimov, K N., Kolobova, N E - Derivatives of manganese pentacarbonyl. p 1356

Kritskaia, D A, and others - Calorimetric study of the radiation-induced solid phase polymerization of acrylonitrile at 135°K p.1356

Neiman, L A, Maimund, V.I, Shemiakin, M M. - Interaction of the azide group with a nitroso group p 1357.

Frankevich, E L, IAkovlev, B S. - Internal photo-effect in solid heptane irradiated by fast electrons p.1357

Mikhailov, B M., Mostovoi, N V., Dorokhov, V.A - Thiaborolanes, new heterocyclic compounds of boron p 1358

Dubinin, M M. - Characteristic features of the molecular sieve properties of sodium and calcium forms of zeolites A and fogeasites (X and Y) p 1359

Annual General Meeting of the Department of Biochemistry, Biophysics, and the Chemistry of Physiological Active Compounds of the Academy of Sciences of the U.S.S R. held on January 20-21, 1964 p.1360.

AKADEM[illegible]
vostok
SCIEN
Trans
1962,
the Soviet Far East.]

Table of contents translated:

Turetskii, V.S. - Coal resources in the Maritime Territory and the Amur Valley and their present use. p.5.

Vinokokurova, E.A., Nepomniashchii, L.B. - Obtaining shaped metallurgical fuel from Suchan coals. p.14.

Nepomniashchii, L.B., Opritov, V.V. - Obtaining shaped metallurgical fuel for Urgal coals. p.22.

Vinokurova, E.A., Voronchikhina, A.P., Rutman, Sh.P. - Investigating the coking capacity of Urgal and Suchan coals. p.29.

Opritov, V.V. - Coking of Urgal coals at the Moscow Coal and Gas Plant. p.34.

Voronchikhina, A.P. - Determining the output of coke by-products from Urgal and Suchan coals. p.39.

Karavaev, N.M., Rybalko, Z.M. - Studying the chemical nature of rhabdopissite of the Lipovets deposit in the Upper Suyfun Basin. p.44.

Maksimov, O.B. - Effect of a pyridine solution of hydrogen peroxide on brown, bituminous and oxidized coals. p.60.

Rybalko, Z.M. - Oxidizing cracking as a method of processing low and medium temperature tars from solid fuel. p.83.

Rybalko, Z.M. - Oxidizing cracking of phenols of generator tar from Lipovets run-of-mine coal of the Upper Suyfun Basin. p.90.

Nepomniashchii, L.B., Faber, IU.A. - Briquetting coals from the Soviet Far East. p.93.

Rutman, Sh.P., Vinokurova, E.A. - Studying the ability of Urgal coals to undergo treatment by means of flotation. p.97.

Rutman, Sh.P., and others. - Results of laboratory testing of Urgal coals for the ability to undergo treatment in heavy liquids. p.102.

Nepomniashchii, L.B., and others. - Preparation of Urgal coals at the "Zhilevskaia" Experimental and Industrial Coal Preparation Plant. p.106.

AZERBAIDZHANSKII KHIMICHESKII ZHURNAL [AZERBAIJAN CHEMICAL JOURNAL]. Issued by Akademiia nauk Azerbaidzhanskoi SSR [Academy of Sciences of the Azerbaijan S.S.R.]. Baku, no.5(29), 1963.

Table of contents translated:

Mamedaliev, IU.G., and others. - Interaction between benzene and alkene halides. p.3.

Aliev, V.S., and others. - Selective adsorption of n-alkanes from the gasoline fractions of the Karadag condensate on a Ca-form zeolite. p.13.

Mekhtiev, S.D., Ismailov, A.G., Safarov, I.G. - Condensation of the chlorides of petroleum naphthenic acids with ethylene in the presence of $AlCl_3$. p.17.

Suleimanova, F.G. - Effect of the structural characteristics of the engine and of its technical state on the degree of aging of lubricating oils. p.23.

Mamedaliev, IU.G., and others. - Polymerization of a mixture of vinyltoluenes in the presence of various initiators. p.36.

Mamedaliev, IU.G., Guseinov, M.M., Treivus, E.M. - Production of chlorine-containing monomers by the condensation of hexachlorobutadiene with maleic anhydride and its esters. p.39.

Sadykhzade, S.I., and others. - Addition of α-chloro ethers to vinylisopropenylacetylene. p.45.

Sadykhzade, S.I., Mamedov, T.I., Salakhova, S.IA. - Copolymerization of pentenes with 2-methyl-1,3-butadiene. p.51.

Kulibekov, M.R. - Reaction of acetomesitylene with organomagnesium compounds. p.55.

Pishnamazzade, B.F. - Formulas for calculating the number of theoretically possible isomers of ethers, esters, and methylene glycol. p.61.

Efendiev, A.A., and others. - Preparation of complex-forming polymeric materials as homogeneous films and the study of their properties. p.73.

Nagiev, M.F., Karamzin, P.V., Zaitseva, Z.A. - Theory of reactors operating with total recycling, on the concentration gradient. p.70.

Pis'man, I.I., Kas'ianov, V.V. - Production of α-butylene by the dehydration of n-butyl alcohol on aluminum oxide A-1. Report No.5. Some problems of kinetics. p.85.

Akhmedli, M.K., and others. - Study of colored compounds of some rare elements with organic reagents. p.93.

Nasibov, I.O., Karaev, Z.Sh. - Interaction of the selenides of A_2^{III} and B_3^{VI} praseodymium and gallium. p.105.

Malinovskii, V.A. - Determination of the product of solubility of zirconium phenylarsonate. p.111.

KHIMIIA V SHKOLE [CHEMISTRY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.19, no.4, July-Aug. 1964.

*KINETIKA I KATALIZ [KINETICS AND CATALYSIS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.5, no.2, Mar.-Apr. 1964.

Table of contents translated:

Azatian, V.V., Nalbandian, A.B., TSui Men-iuan' [Tsui Mêng-yüan]. - Determination of the rate constant of the reaction of atomic oxygen with methane. p.201.

Panfilov, V.N. - Electron paramagnetic resonance spectra of HO_2 and DO_2 radicals obtained by freezing of the products of rarefied flames at 77° K. p.211.

Basilevskii, M.V., Bagdasar'ian, Kh.S. - Quantitative investigation of radical reactivity by the method of competing reactions. Reactions of a phenyl radical with phenol, aniline, and anisole. p.215.

Temkin, O.N., Ginzburg, A.G., Flid, R.M. - Soluble complexes of unsaturated hydrocarbons with metal salts and their role in catalytic reactions. Part 4: Thermodynamics of the formation of soluble π-complexes of ethylene with Ag^+ and Cu^+ ions. p.221.

Abakumov, G.A., Shilov, A.E., Shulyndin, S.V. - Electron paramagnetic resonance of the products of interaction between dicyclopentadienyl vanadium dichloride and aluminum alkyls. p.228.

Lubianitskii, I.IA. - Kinetics of oxidation of cyclohexanone and 3-methylcyclohexanone with ammonium metavanadate in acid media. p.235.

Dvorko, G.F., Shilov, E.A. - Kinetics and the mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 2: Addition of hydrogen iodide to cyclohexene in benzene. p.240.

Vinogradova, S.V., Vinogradov, M.G., Korshak, V.V. - Kinetics of polycoordination. p.247.

Vinnik, M.I., Moiseev, IU.V., Palagina, L.V. - Kinetics and the mechanism of γ-butyrolactam hydrolysis in potassium hydroxide solutions. p.253.

Vlasov, V.G., Shalaginov, V.N. - Effect of alkali metal carbonate additions on the kinetics of uranium trioxide reduction with carbon monoxide. p.261.

Alfimov, M.V., Nikol'skii, V.G., Bubon, N.IA. - Thermoluminescence and ESR spectra of organic compounds irradiated with fast electrons. p.268.

Kuznetsov, V.S. - Origin of the compensation effect in chemical reaction occurring on the surface of semiconducting catalysts. p.277.

Krylov, O.V., Fokina, E.A. - Relation between the catalytic activity of certain semiconductors and the width of the forbidden zone. p.284.

Zhuravlev, V.A., Kolosova, L.G. - Distribution of the thermal EMF over a copper oxide surface as related to its catalytic activity. p.293.

Rekasheva, A.F., Kiprianova, L.A. - Hydrolysis of vinyl ethers. Part 3: Mechanism of the reaction with mercury sulfate as catalyst. p.299.

Lebedev, N.N., Baltadzhi, I.I. - Kinetics and reactivity of aromatic compounds in the course of halogenation in the presence of metal halides. Part 3: Reactivity of aromatic compounds. p.305.

Liubarskii, G.D., Evzerikhin, E.I. - Catalytic activity of solid solutions in the system nickel - copper. p.311.

Rubinshtein, A.M., IAkerson, V.I., Lafer, L.I. - Catalytic ketonization of acetic acid over a mixed $CaCO_3-LiCO_3$ catalyst. p.319.

Popova, I.I., Kabakova, B.V. - Oxidation of toluene on copper catalysts with added molybdenum and tungsten oxides. p.324.
Shapovalova, L.P., Gorokhovatskii, IA.B., Rubanik, M.IA. - Kinetics of isobutylene oxidation to methylacrolein on a copper catalyst. p.330.
Vlasenko, V.M., and others. - Adsorption of hydrogen and carbon monoxide on a nickel catalyst. p.337.
Zakharov, IU.A., Savel'ev, G.G. - Thermal decomposition of silver sulfite containing Pb^{++} and VO_3^- admixtures. p.340.
Freidlin, L.Kh., Sharf, V.Z., Tokhtamuradov, Z.T. - Effect of the temperature of boron phosphate preparation on its specific surface, acidity, and catalytic activity in the dehydration of alcohols. p.347.
[illegible], O.D., and others. - Effect of the porous structure of an alumina-chromium oxide catalyst on the conversion of n-hexane. p.350.
[illegible], S.S., and others. - Surface properties of a catalyst for oxidizing ammonolysis of propylene. p.353.
[illegible], N.N., Bazhin, N.M., Voevodskii, V.V. - Photosensitized decomposition of saturated hydrocarbons and alcohols in the solid phase. p.357.
Krongauz, V.A., Bagdasar'ian, Kh.S. - Remarks on articles by IU.A. Kolbanovskii, A.M. Brodskii, L.S. Polak on the mechanism of radiolysis inhibition. p.359.
Brodskii, A.M., Kolbanovskii, IU.A., Polak, L.S. - Concerning the remarks on articles by IU.A. Kolbanovskii, A.M. Brodskii, L.S. Polak on the mechanism of radiolysis inhibition. p.360.
Abstracts of articles from "Journal of catalysis", no. 1, 1964. p.365.
Abstracts of articles from "Journal of catalysis" no. 2, 1964. p.368.
Abstracts of articles from "Journal of catalysis", no. 3, 1964. p.371.

KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.2, Mar.-Apr. 1963.

Table of contents translated:
[illegible], D.K., [illegible], B.B. - Mapping of a crystal lattice in reciprocal symmetry space. p.147.
[illegible], I.S. - Mapping the symmetry of a physical space onto a Fourier space. p.158.
Palistrant, A.I., Zamorzaev, A.M. - Groups of symmetry and antisymmetry of layers. p.166.
[illegible], B.K. - Effect of the rotation of chain molecules on the diffraction image. p.174.
[illegible], V.I. - Determining the possible arrangement of atoms in octahedral vacancies of a layer in very tight packings at [illegible]. p.181.
[illegible], V.I., Kripiakevich, P.I. - Crystalline structures of compounds rich in magnesium in the systems La - Mg, Ce - Mg, and Nd - Mg. p.188.
[illegible], I.A., Gol'der, G.A., Zhdanov, G.S. - Crystalline structure of 1,5-dibromanthraquinone. p.[illegible]
Zvyagin, B.B., Mishchenko, K.S., Shitov, V.A. - Electron diffraction data on the structures of sepiolite and palygorskite. p.201.
[illegible], and others. - Radiation effects in crystals. p.207.
Fedorov, F.I. - Theory of elastic waves in crystals in comparison with an isotropic medium. p.213.
[illegible], K.S., and others. - Elastic constants of molecular crystals. Elastic constant of naphthalene. p.221.
[illegible], E.V. - Measurement and calculation of some thermodynamic characteristics of adamantane and hexamethylenetetramine. p.225.
[illegible], G.V. - Use of the colored etching method in studying the activity of tungsten crystal faces relative to oxygen. p.229.
[illegible], F.F., Tiapunina, N.A., Shvidkovskii, E.G. - Multiplication of dislocations in alkali halide crystals under the action of high-frequency vibrations. p.232.
[illegible], R.V., [illegible]-Krichevskaia, I.A. - Distribution of dislocations in cadmium sulfide and [illegible] sulfide single crystals. p.239.
[illegible], R.L., [illegible], E.N. - Distribution of dislocations on faces (111) and ($\bar{1}\bar{1}\bar{1}$) of gallium arsenide single crystals using the etching method. p.243.
Vasil'ev, A.P., [illegible], A.P. - Use of the method of light figures in studying the crystallographic orientation and etching of gallium arsenide. p.249.
[illegible], V.F. - Camera for X-ray photographing of single grains in large crystals. p.255.
Sirotin, IU.I. - Possible variations in the point magnetic symmetry of crystals in ferromagnetic transitions of the second kind. p.258.
[illegible], F.A., Dvoriankin, V.F. - Analytical representation of the atomic factors of scattering for electrons. p.260.
[illegible], L.D., [illegible], V.M. - Transmitted beams in the case of anomalous X-ray absorption. p.263.
Rovinskii, B.M., Kostiukova, E.P. - Some applications of the graphic analysis method of determining lattice parameters. p.264.
Kripiakevich, P.I., and others. - Crystalline structures of certain intermetallic compounds of gadolinium and neodymium. p.266.
Kapyshev, A.G., Venevtsev, IU.N. - X-ray diffraction study of variations in the period of elementary cells of $(Ba, Pb)TiO_3$ solid solutions in the paraelectric region as dependent on the composition. p.269.
Simonov, IU.A., Ablov, A.V., Malinovskii, T.I. - Crystalline structure of diacetate diamine copper. p.270.
Ozolins, G.V. - X-ray diffraction study of gallium and indium antimonides. p.272.
Vishniakov, IA.D., Umanskii, IA.S. - Effect of packing defects on the position of the (301) line in an X-ray photograph of a metal with a face-centered cubic lattice. p.273.
Zvonkova, Z.V., Rodionov, A.N., Povet'eva, Z.P. Role of hydrogen bonding in the structures of crystalline hydrates of compound thiocyanates of metals. p.275.
Solskii, B.A., Goncharenko, A.M. - Conditions of self-excitation of a plane-parallel crystalline plate. p.278.
Tsinober, L.I., Chentsova, L.G. - Nature of the smoky coloring in synthetic quartz crystals. p.280.
Sonin, A.S., Zheludev, I.S. - Dielectric properties of boracite single crystals. p.283.
Sonin, A.S., Zheludev, I.S. - Dielectric properties of cesium nitrate single crystals. p.285.
Poniatovskii, E.G. - Existence of a critical point on the isomorphic transformation curve for cerium. p.287.
Gurchand, G. - Effect of impurities on the formation of figures on the surface of NaCl crystals. p.290.
Timofeeva, V.A., Voskanian, R.A. - Growing corundum crystals from the solution in a melt of lead fluoride. p.293.
Kurov, G.A. - Some characteristics of the iodide crystallization process. p.297.
Agalarzade, P.S., Semiletov, S.A. - Methodology of producing thin films of indium antimonide by vaporization in a vacuum. p.298.
Umanskii, M.M., and others. - Comparison of the efficiencies of BSV-1, BSV-2, BSV-4, BSV-6, BSV-8, and BSV-9 tubes in structure studies. p.300.
IAmzin, I.I., and others. - Neutron diffractometer. p.302.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry. Classed Index of Articles in Foreign Periodicals]. Nos. 6(126)-7(127), July-Aug. 1964.

ODESSA. UNIVERSYTET. Khimicheskyi fakul'tet. Nauchnyi ezhegodnik [UNIVERSITY. Chemistry Faculty. Scientific Yearbook]. No. 2, 1961.

Table of contents translated:
From the editor. p.3.
Pozigun, A.O., Goncharova, N.A., Bakhmat, V.F. - Refractometric study of complex formation in the system cadmium chloride - potassium bromide - water. p.5.
Grineva, A.V., and others. - Electroconductivity method used in investigating complex formation in the systems $CdCl_2$ - KCl - H_2O and $CdCl_2$ - KBr - H_2O. p.7.
Dmitrievskii, G.E., Aleksandrova, L.I., Pozigun, A.I. - Solubility in the ternary system $CdCl_2$ - KCl - H_2O. p.12.
Belousova, E.M., Pavlenko, N.K., Pozigun, A.I. Cryoscopic investigation of complex formation in the systems $CdCl_2$ - KCl - H_2O, $CdCl_2$ - KBr - H_2O and $CdBr_2$ - KBr - H_2O. p.15.
Dmitrievskii, G.E., Bol'shakov, A.G. - Absorption of gases by liquids under conditions of bubbling. p.23.
Dmitrievskii, G.E., Bol'shakov, A.G. - Absorption of gases by liquids. p.29.
Pozigun, A.I. - Cadmium glycocholate. p.34.
Grineva, A.V., Pakhovskaia, V.F. - Production of "phosphate slag." p.35.
Dmitrievskii, G.E., Grineva, A.V., Pilipenko, V.V. - Adsorption of hydrogen sulfide by grey-green clays of Odessa Province. p.38.
Pozigun, A.I., Amirieva, T.P. - Bonding refraction of potassium tetrahalocadmiate. p.46.
Dmitrievskii, G.E., Dovzhenko, N.M. - Precipitation of sodium fluosilicate from solutions of fluosilicic acid by sodium sulfate. p.49.
Pozigun, A.I. - Specific gravity and water vapor pressure of lithium tetraiodomercurate crystal hydrates. p.52.
Kublanovskii, V.S., Pozigun, A.I. - Interaction of trivalent thallium with a monosodium salt of o-o-nitrophenol-4-arsonic acid. p.54.
Belousova, E.M., Gvozdeva, S.A. - Cryoscopic study of complex formation in the system $CdBr_2$-KI-H_2O. p.59.
Morozov, A.A., Suranova, Z.P., Naido, L.A. Separation of iron and chromium in the presence of trilon B on anion and cation exchangers. p.63.
Morozov, A.A., Dranitskaia, R.M., Gavril'chenko, A.I. - Studies in the field of complex chromium sulfates. p.65.
Suranova, Z.P., O-Ken-Za, Naido, L.A. - Rapid methods of water analysis. p.68.
Dranitskaia, R.M. - Bromatometric determination of 1,5-naphthylaminesulfonic acid. p.70.
Suranova, Z.P. - New indicator in the neutralization method. p.72.
Morozov, A.A., and others. - Some physical and physicochemical properties of the SG-1 carboxyl cation exchanger. p.74.
Morozov, A.A., Gavril'chenko, A.I., Semchishin, V.S. - Surface compounds of iron thiocyanate on ion exchangers. p.78.
Katsman, B.Kh. - Detection of cobalt (II) in the presence of iron (III). p.82.
Vulikhman, A.A., Ermilova, V.N., Olenovich, N.L. - Complexometric determination of sulfuric acid in the presence of tartaric acid. p.83.
Bogatskii, A.V., Stepanova, O.S. - Relative reactivity of primary and secondary alkyl halides in reactions with sodium malonic ester. p.87.
Stepanova, O.S. - Synthesis of 1,4-dibromopentane. p.89.
Bogatskaia, Z.D. - Synthesis of disubstituted malonic esters with a β-phenoxyethyl group. p.91.
Bogatskii, A.V., Golentovskaia, S.G. - Synthesis of β-alkoxyethylisopropylmalonic esters. p.94.
Bogatskii, A.V. - Synthesis of some esters of crotonic acids. p.97.
Pilnov, A.K., Stepanova, O.S. - Oxidation of cinnamic acid octyl esters. p.99.
Konshin, N.P., and others. - Determination of the readiness of modified glyptal resins, binding agents for linoleum. p.102.
Davtian, O.K., Manakin, B.A., Miniuk, E.G. - Temperature dependence of the rate of formation of sulfuric acid in the catalytic oxidation of sulfur dioxide on activated coal by the liquid-contact method. p.113.
Davtian, O.K., Ovchinnikova, L.N., Grigor'eva, G.A. - Catalytic activity of platinated nickel as related to sulfur dioxide oxidation. p.115.
Davtian, O.K., Kuskova, M.S., Manakin, B.A. - Study of galvanic cells by means of hydrogen peroxide as a depolarizer. p.117.
Davtian, O.K., Izmailova-Ratushnaia, D.N., Manakin, B.A. - Study of an oxygen electrode on a chromium-nickel carrier. p.120.
Davtian, O.K., Burshtein, S.I., Ri Bok Sun. - Filtering and absorptive properties of Odessa green clays. p.123.
Davtian, O.K., Burshtein, S.I., Ponomarenko, T.I. - Studying Odessa green clays as a basic component of foundry clay. p.125.
Davtian, O.K., Ovchinnikova, E.N., Soboleva, N.M. - Interaction of carbon dioxide with finely dispersed calcium oxide in the presence of water vapors. p.128.

REFERATIVNYI ZHURNAL: KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 9, 12, May-June 1964. Formul'nyi ukazatel' za 1961 g. [Formula Index for 1961], vol. 5. Avtorskii ukazatel' za 1962 g. [Author Index for 1962], vol. 4, II-N. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962], vol. 1, A-I.

ROST KRISTALLOV [GROWTH OF CRYSTALS]. Issued by Institut kristallografii Akademii nauk SSSR [Institute of Crystallography of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, 1964.

Table of contents translated:
Beliustin, A.V., Rogacheva, E.D. - Formation of crystallization centers in the presence of the seed crystal. p.5.
Belíustin, A.V. - Effect of impurities on the growth of crystals and its dependence on the pH of the solution. p.10.
Sheftal', N.N., and others. - Growth of epitaxial germanium films due to supercooled germanium droplets. p.16.
Bytova, I.M. - Effect of the pH on the shape of ammonium dihydrophosphate crystals. p.22.
Kozlovskii, M.I. - Formation of crystallization centers on the surface of aqueous solutions of electrolytes following a spark discharge. p.27.
Sheftal', N.N., Gavrilova, I.V. - Equilibrium shape of crystals allowing for volume free energy. p.32.

[illegible] crystals from a [illegible]

[illegible] single crystals [illegible]

[illegible] - Anisotropy of the [illegible] vapors

[illegible] - Formation of [illegible] crystals

[illegible] crystals

[illegible] - Ice forms on windows

[illegible] growth and properties [illegible] p. 61

[illegible] - Vitrified liquid [illegible]

[illegible] single-crystal nematic [illegible]

[illegible] [Chang I-wei], Dobrzhanskii, G.F., [illegible], IU.S. - Growing of acenaphthene crystals and their piezoelectric properties. p. 81

[illegible] - Characteristics [illegible] hydrophosphate [illegible]

[illegible], Bagdasarov, [illegible] in the method of growing crystals [illegible]

[illegible], Vasil'chikova, [illegible] - Growing calcite single crystals under hydrothermal conditions p. 92

[illegible] and others - Crystallization of a [illegible] growing germanium dendrites [illegible]

[illegible] - Growing lead sulfide single crystals [illegible] p. 101

[illegible] and others - Twin structure of germanium [illegible] p. 113.

[illegible], Pet'stverskaia, V.V. - Growing [illegible] crystals from the gaseous phase p. 117

[illegible] germanium and silicon crystals [illegible] solution, p. 122

[illegible], A.V., Andrievskii, A.I., Droniuk, M.I. - [illegible] whisker and ribbon type [illegible] crystals p. 125.

Gendelev, S.Sh., [illegible], E.K. - Oxidation of spinel-structure ferrite crystals in the process of growing by Verneuil's method. p. 129.

Petrov, T.G. - Growing of crystals under conditions of their [illegible] in the solution. [illegible]

[illegible], V.A., [illegible], V.Z. - Growing potassium niobate crystals from a solution in a potassium carbonate melt on seed crystals p. 140.

Kuznetsov, V.A. - Zinc sulfide crystals grown from the melt. p. 144

Popova, A.A. - Growing chromium oxide crystals by Verneuil's method p. 148

Kuz'mina, I.P., Antonova, V.F. - Zincite crystallization under hydrothermal conditions p. 151.

Sysoev, L.A., Obukhovskii, IA.A., Bidnaia, D.S. - Cadmium sulfide crystallization from cadmium halide solutions p. 157

Kuz'mina, I.P., Litvin, B.N. - Possibility of preparing montroydite (HgO) crystals under hydrothermal conditions. p. 160

Dem'ianets, L.N., Garashina, L.S. - Crystallization of molybdates of alkaline earth metals under hydrothermal conditions p. 162.

Litvin, B.N., Mel'nikov, O.K. - Hydrothermal synthesis of trigonal zinc silicates and germanates p. 169

Sonin, A.S., Zheludev, I.S. - Research on new ferroelectric and antiferroelectric substances that do not belong to the oxide group, a review. p. 171.

Kokorish, E.IU., Ozols, K.K. - Synthesis of gallium arsenide single crystals. p. 181.

Sonin, A.S., Zheludev, I.S. - Isomorphism and ferroelectric properties p. 203.

Chistiakov, IU.D., Lainer, B.D. - Oriented growth of crystalline substances (epitaxy) p. 209.

Sheftal', N.N. - Determination of symmetry. p. 222.

Sheftal', N.N. - Physical meaning of symmetry. p. 230.

Sheftal', N.N., Slavnova, E.N. - Exchange of experience gained in studies on crystal growth. p. 245.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 6, June 1964.

Table of contents translated:

Mironov, G.S., Farberov, M.I. - Technical methods of synthesizing α, β-unsaturated aldehydes and ketones. p. 649.

Freidlin, L.Kh., Sladkova, T.A. - Catalytic reduction of dinitriles. p. 664.

Bilke, G. - Cyclo-oligomerization of butadiene and the π-complexes of transition metals p. 687

Kireev, V.A. - Some particular aspects of the chemistry of high temperatures from the standpoint of chemical thermodynamics p. 707.

Novikov, G.I., Poliachenok, O.G. - Rare-earth halides of low degree of oxidation. p. 732.

Maitlis, P.M. - Heterocyclic organoboron compounds. p. 748

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 19, no. 5, 1964.

Table of contents translated

Khreshkov, A.P., Aldarova, N.Sh. - Potentiometric titration of heterocyclic nitrogen-containing compounds and their mixtures in a methyl ethyl ketone medium. p. 537.

Novikov, A.I., Finkel'shtein, E.I. - Coprecipitation of iodate and periodate ions with ferric hydroxide. p. 541.

Nigmatullin, R.Sh., Viaselev, M.R. - Oscillographic polarography with the use of stepwise voltage. p. 545.

Basargin, N.N., Kukisheva, T.N., Solov'eva, N.V. - Photometric determination of titanium in the presence of beryllium with 2,7-dichlorochromotropic acid. p. 553.

Akhmedli, M.K., Glushchenko, E.L. - Study of reagents for the spectrophotometric determination of gallium. p. 556.

Savvin, S.B., Kadaner, D.S., Riabova, A.S. - Photometric determination of zirconium in steel and cast iron using arsenazo III. p. 561.

Makarova, S.V., Alimarin, I.P. - Extraction of fluotantalate with basic dyes. Report No. 2. Comparative study of certain basic triphenylmethane dyes as reagents for the extraction-photometric determination of tantalum. p. 564.

Busev, A.I., Rudzit, G.P. - Extraction-photometric determination of molybdenum with tiron. p. 569.

TSerkovnitskaia, I.A., Bykhovtseva, T.T. - Polarographic behavior of uranyl complex compounds with organic reagents. p. 574.

Reznik, B.E., TSyganok, L.P. - Properties of heteropoly blue obtained in the reduction of phosphomolybdic acid with thiourea. p. 574.

Baranova, L.L., Solodovnik, S.M. - Chemical-spectral method of analysis of high purity bismuth. p. 588.

Gel'man, N.E., Larina, N.I. - Elemental analysis of organofluorine compounds. Simultaneous microdetermination of fluorine, chlorine, and nitrogen. p. 593.

Gal'pern, G.D., Chudakova, I.K., Egorushkina, M.V. - Direct microdetermination of oxygen in organic compounds. p. 598.

Kheifets, L.IA., Preobrazhenskaia, E.A., Bezuglyi, V.D. - Polarographic determination of two substances with close half-wave potentials when they are present together. p. 607.

Snegova, A.D., Markov, L.K., Ponomarenko, V.A. - Use of gas-liquid chromatography in the analysis of halogen-containing organosilicon and organogermanium compounds. p. 610.

Sopkina, Z.K., Riabov, V.D. - Use of thin-layer chromatography for the analysis of certain diphenols. p. 615.

Rudol'fi, T.A., and others. - Gas-liquid chromatography and infrared spectra of isomeric allyl guetols and allyl guaiacols. p. 619.

Grinberg, I.V., Satamin, A.A., Liatte, N.P. - Semimicromethod for studying the pyrolysis of *solid mineral fuels. Report No. 2.* p. 622.

Tikhonova, V.I. - Chronometric determination of furfurole in its aqueous solutions. p. 629.

Bokina, V.M., Zarinskii, V.A., Shtifman, L.M. - *High-frequency* titration. Report No. 11: Determination of perchloric acid in its mixture with nitric acid in a glacial acetic acid medium. p. 635.

Glonti, G.G. - Separation of strontium and calcium *in the radiochemical analysis of* soils. p. 637.

Vozisova, V.F., Podchainova, V.N. - Spectrophotometric study of a compound of germanium with *N,N'-di-(2-hydroxy-5-sulfophenyl)*-cyanophormazan. p. 640.

Riabchikov, D.I., Volynets, M.P. - Thorium *determination* in the total of lanthanide oxides (polirit) by the method of complex-forming chromatography. p. 642.

Ivonina, O.M. - Amperometric titration of palladium *with 1,2-cyclohexanedione* dioxime. p. 644.

Tomilov, A.P., Makarochkina, S.M. - Polarographic determination of cyanogen chloride in aqueous solutions. p. 646.

Mikhailova, T.A., Khromov-Borisov, N.V. - Quantitative determination of amino alcohol esters. p. 648.

Ivanov, V.M. - G. Ackermann's "Introduction to qualitative inorganic semimicroanalysis." *p. 651.*

Platunina, N.M. - Houben-Weyl's "Methods of organic chemistry." p. 652.

Dedkov, IU.M. - Moscow seminar on analytical chemistry. p. 653.

*ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 36, no. 3, Mar. 1962.

Table of contents translated

Polkov, L.L. - A.M. Butlerov's theory of chemical structure. p. 417.

Vigdorovich, V.N., Vol'pian, A.E. - Application of crystallization methods in physicochemical analysis. p. 429.

Susarev, M.P., Lyzlova, R.V. - Liquid-vapor equilibrium in the system benzene - cyclohexane - methylcyclopentane. p. 437.

Kobozev, N.I., Semiokhin, I.A., [illegible] - Interaction of hydrogen with oxygen in a silent electrical discharge. Part 7. p. 443

Görlich, E., Srzednicki, J., Kowalski, Z. - Multicycle oscillographic polarography with two streaming mercury electrodes in differential circuit *p. 449*

Shekun, L.IA. - Theory of oscillographic polarography p. 455.

Dement'ev, V.A., Kologrivov, V.N. - [illegible] spectrum during detonation of solid explosives in a vacuum. p. 466.

Landau, A.I. - Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems by means of the method of projections. Part 2. p. 463

Minkin, V.I., and others. - Dipole moments of imidazole and its derivatives. p. 469

Protsenko, P.I., Shokina, O.N. - Specific gravities and molar volumes of the ternary systems consisting of the nitrites of sodium, potassium, [illegible] p. 474.

Kuchinskii, E.M., Kokhanov, G.N. - Hydrogen [illegible] voltage in an alkaline solution of [illegible] thermally and air-oxidized iron cathodes. [illegible]

Reutov, O.A., Beletskaia, I.P., Aleinikova, M.IA. - Cleavage of a carbon-mercury bond under the effect of acids. p. 488.

Berezin, B.D. - Metal phthalocyanines in solutions. Part 6. p. 494.

Veprik, IA.M., Faerman, G.P. - Redox potentials of p-hydroxyphenylglycine at varying pH values. p. 502.

Emel'ianenko, G.A., Gol'manova, T.T. - Effect of temperature on the electrodeposition of cadmium from sulfate solutions. p. 508.

Szolcsanyi, Pal. - Kinetic anomalies in catalytic contact reactions in small-sized fluid catalyst beds. p. 513.

Fesenko, V.V., Vasiliu, M.I., Eremenko, V.N. - Surface tension of liquid metal solutions. Part 3 p. 518.

Leskovich, I.A., Egorov, B.N., Kalalin, V.P. - Flow stress and dilatometry of potassium nitrate. p. 521.

Kachan, A.A., Makhovka, P.P. - Photochemical reduction of ceric sulfate in aqueous solutions of sulfuric acid. p. 526.

Nikitin, IU.S., Kaliko, M.A. - Effect of the chemical composition on the structure, stability, and catalytic properties of mixed aluminosilicate catalysts. p. 533.

Komarov, V.A., Chernikova, E.A., Komarov, [illegible] - Effect of admixtures to aluminum and iron oxides on the catalytic decomposition of formic acid. p. 540.

Gratsianskii, N.N., Bogacheva, N.A. - Corrosion resistance of solid solutions of metals of the system Mo - W. p. 546.

Rusanov, A.I. - Equilibrium of ionic systems with account of discontinuity surfaces. Part 1 p. 549

Rozentsveig, S.A., Ufliand, N.IU., Shcherbakova, Z.V. - Adsorption of sulfur in iron in alkali solutions. p. 557.

Mairanovskii, S.G., Barashkova, N.V., Alashev, A.D. - Polarographic study of N-oxide of N-methylpiperidine. Kinetic waves of N-oxides. p. 562.

Lubianitskii, I.IA., Minati, R.V., Furman, M.S. - Kinetics of conversion of 6,6-nitrohydroxyiminohexanoic acid to adipic acid. p. 567.

Soklakov, A.I. - Optical properties of polymeric states of sulfur with the additions of P, As, Sb, and Bi. p. 575.

Berezin, I.V., Ragimova, A.M. - Mechanism of decarboxylation of acids in the liquid phase oxidation of hydrocarbons. Role of polar factors in free radical reactions. p. 581.

Fisher, I.Z., Prokhorenko, V.K. - Direct estimation of the "settled life" of an atom in an elementary liquid. p. 588.

Usmanov, A.G., Bakirov, N.U. - Application of similarity methods for the study of certain properties of water vapor. p. 591.

Shkodin, A.M. - Effect of acid solvents on the dissociation of electrolytes. p. 595.

Chesnokov, L.I. - Determination of the specific surface energy at the crystal - melt interface for salol and betol. p. 599.

Sukhotin, A.M., Ryzhkov, E.M. - Association of ions in solutions. Part 9. p. 601.

[illegible], B.S., Gonikberg, M.G. - Relation between the rate constants and equilibrium constants of reactions in solutions under pressure. p.604.

Avgustinik, A.I., Tamanova, [illegible] - Dependence between the development of bonds in silicate melts and the dielectric properties of glasses obtained. p.[illegible]

[illegible], V.I., Kuznetsov, I.A., Panchenkov, G.M. - Maintenance of parallel transport conditions in a moving bed of ion exchangers. p.611

Petrova, A.A., and others. - Electron microscopy of the secondary structure of iron carbonyl. p.613.

[illegible], I.V., [illegible], I.S. - Formation of ozone in the decomposition products of carbon dioxide in a glow discharge. p.616.

[illegible], A.M., and others. - Infrared spectra of [illegible] acids. p.620

[illegible], V.M., and others. - Theory of the complex dielectric permeability of weak electrolytes. p.625.

[illegible], [illegible] - Adsorption of gases on metals. p.628

[illegible], [illegible], [illegible], V.A. - Reaction equilibrium of the reduction of iron orthosilicate with carbon monoxide at temperatures from 850 to 1150° C. p.630.

[illegible], [illegible] - Polarization of fine porous electrodes. p.633

[illegible], [illegible], [illegible], Z.V. - Determination of the thermodynamic properties of alloys by the EMF method using a solid electrolyte having an oxygen conductance of [illegible]. p.637

[illegible], [illegible], and others. - Sorption of water on aluminosilicate catalysts at elevated temperatures. p.641

[illegible], [illegible], [illegible], A.L., [illegible] - Apparatus for measuring electric conductivity. p.644

[illegible], [illegible] - Apparatus for measuring potentials of electrode potentials by direct and compensation methods. p.645.

[illegible], V.P., [illegible], [illegible].A., [illegible], [illegible] - Adiabatic calorimeter of small volume for the determination of heat capacities within the temperature range of 12 to 340°K. p.647.

[illegible], A.IA., [illegible], IA.P. - Device for automatic regulation and removal of stationary [illegible]. p.651.

[illegible], A.IA. - Additive value of viscosity of liquid systems with no interaction of components. p.656.

[illegible], A.N. - My inferences concerning the viscosity functions of mixtures of ideal liquids. p.[illegible]

[illegible], A.I., [illegible], A.I. - Oscillographic study of the drop of oxygen overvoltage on a nickel [illegible]. p.659.

[illegible], [illegible], [illegible], B.V. - Mechanism of [illegible] salt solutions. p.661

[illegible], [illegible] - Effect of surface active substances on the probability of formation of a two-dimensional [illegible] during electrocrystallization. p.[illegible]

[illegible], V.A. - Viktor IAkovlevich Anosov, on his seventieth birthday. p.[illegible]

[illegible], IA.I., [illegible], I.A. - Nikolai Aleksandrovich Izgaryshev, on his eightieth birthday. p.[illegible]

[illegible] no. 2, Feb. 1964

Table of contents translated:

[illegible], V.I. - Decisions of the December Plenum of the Central Committee of the CPSU as an urgent program for Soviet chemists. p.249.

[illegible], M.I. - Substances with intermolecular hydrogen bonding as proton semiconductors. p.252

[illegible], I.N. - Theory of establishment of diffusion potentials. p.[illegible]

[illegible], V.A., [illegible], A.A. - Change in electromotive forces and catalytic activity of semiconductor catalysts during decomposition of hydrogen peroxide. p.271

[illegible], I.N. - Relation between electric conductivity and viscosity of solutions. p.277.

[illegible], V.A., [illegible], V.G. - Determination of the activity coefficient of uranyl nitrate in dilute aqueous solutions by the extraction method. p.280.

[illegible], N.N. - Convective stream concentration in the anodic dissolution of cadmium. p.287.

[illegible], V.I., [illegible], V.A. - Voltammetric characteristics of positive sodium ion transport through the interface electrolyte - sodium glass - vacuum. p.290

[illegible], E.G., Ekkhardt, D., Iur'ev, IU.K. - Correlations in the spectra of furan, thiophene, and selenophene derivatives. p.295.

[illegible], P.G. - Methods of determining molecular refractions of chemical compounds. p.304.

[illegible], B.P. - Temperature dependence of the energy of mixing iron with carbon. p.313.

[illegible], T.N. - Calculation of the equilibrium constants from cryoscopic titration curves. p.316.

Drakin, S.I., Sergeeva, T.N., Trepikov, A.I. - Chemical interaction and electrodiffusion in liquid sodium alloys. p.321.

Lazarev, V.B. - Experimental study of the surface tension of melts of the indium - antimony system p.325.

[illegible], A.A., Korotkov, A.I. - Effect of the high temperature zone of the gas phase on the combustion velocity of nitroglycerin powder. p.331.

[illegible], G.A. - Measurement of impedance of an electrochemical cell at low frequencies. p.334

Krestov, G.A. - Concept of heat capacity of a crystal lattice and methods for its calculation. p.338

Khomutov, N.E., Skorniakov, V.V. - Electroreduction of oxygen in sulfate solutions of streptomycin. p.342.

Kudriavtseva, L.S., Susarev, M.P. - Concentration regions of the location and temperature displacement of ternary azeotropes. Part 3 p.345

[illegible], V.I., Shliapintokh, V.IA., Chzhou Pei-khuan [Chou P'ei-huang]. - Kinetics of the simultaneous oxidation of cumene and ethylbenzene. Part 2 p.351

Agafonov, I.L., Agafonova, A.L. - Interrelation between atomic and molecular refraction and complete ionization. p.356.

Vasil'ev, S.S., [illegible], M.S. - Relation between the kinetics of the electric oxidation of nitrogen and the voltammetric characteristics of the electric discharge. p.361

Kol'tsina, M.V., Nikiforova, M.B., Khazanova, N.E. - Liquid - vapor equilibrium in the system triethylamine - water - phenol near the point of demixing. p.368.

Khachaturian, O.B., Fedorova, N.S. - Effect of natural convection on the recharging rate in reversible redox systems. p.372.

[illegible], [illegible].A. - Measurement of the mobility of impurity ions in highly concentrated electrolyte solutions. p.376

[illegible], A.IA., [illegible], [illegible], Kaluzhina, S.A. - Thermogalvanic corrosion of metals Part 2. p.380.

Akhutin, A.V., [illegible], T.A., [illegible], N.A. - Refractometric study of supersaturated electrolyte solutions p.387.

Skripov, V.P., Ermakov, G.V. - Pressure dependence of the ultimate superheating of liquids. p.396.

Spiridonov, V.P., Tatevskii, V.M. - Certain regularities in the internuclear distances for chemical bonds of various types of polyatomic molecules. p.405.

[illegible], G.S. - Mean isobaric heat capacity of solid hydrocarbons as dependent on the molecular volume and melting points. p.411.

[illegible], A.E., [illegible], V.N. - Hydrogen bonding and the rate of the propagation of ultrasound in liquids Part 1. p.415.

[illegible], G.P., Ivanova, E.F. - Determination of the heats of dissolution of KCl and RbCl in formic acid. p.421.

Beloglazov, S.M. - Effect of selenium, tellurium, arsenic, and antimony on hydrogen overvoltage on steel in an acid medium. p.427.

Khomchenko, G.P., [illegible], T.N., Vovchenko, G.D. - Reactions of hydrogenation and electrohydrogenation of some organic substances on a ruthenium electrode-catalyst. p.434.

Li Ven'-chzhou [Li Wên-chou], Mal'tsev, A.M., Kobozev, N.I. - Activity of Pt blacks prepared in the ultrasonic field from H_2PtCl_6 solutions of various concentrations. p.439.

[illegible], M.N., Kobozev, N.I., Pankrushev, IU.A. - Catalysis by metal vapors. Part 3. p.442.

[illegible], IU.A., Rozental', K.I., Veselovskii, V.I. - Ionization of oxygen at a three-phase boundary in alkaline solutions p.449.

Gurvich, A.M. - Role of the chlorinating roasting of sulfides in the formation of blue luminescence centers of "self-activated" zinc sulfide luminophors. p.456.

Rott, L.A. - Statistical theory of a ternary system. p.459.

[illegible], N.L., [illegible], E.A. - Determination of transport numbers in aqueous solutions of magnesium chloride. p.461.

IAlamov, IU.I. - Theory of the electrostatic interaction of macroions with different discrete surface charge in an electrolyte solution. p.463.

Vorob'ev, T.P., Purmal', A.P. - Study of catalase-active systems. Part 5. p.467.

Smirnova, V.I., and others. - Electron paramagnetic resonance spectra of some γ- and photo-irradiated disubstituted acetylenes. p.469.

Florinskaia, V.A., and others. - Crystallization of sodium silicate glasses at high temperatures. p.472.

Golubev, V.B., Evdokimov, V.B. - Electron paramagnetic resonance in zinc oxide subjected to mechanical treatment. p.477.

Treger, IU.A., Flid, R.M., Spektor, S.S. - Solubility of allyl chloride in water and in aqueous solutions of HCl. p.478.

Samson, IU.U., and others. - Electric conductivity of vanadium dichloride solutions in a molten equimolecular mixture of sodium and potassium chlorides p.481.

Zhukov, A.A., Zvolinskaia, V.V. - Certain problems in the geometry of the structural diagrams of iron-carbon-sulfur alloys. p.483.

Shalashov, V.A. - Effect of preirradiation on the structure and thermal decomposition of cementite. p.485.

Akshinskaia, N.V., Kiselev, A.V., Nikitin, IU.S. - Geometric modification of the skeleton of xerogels. Part 3. p.488.

Denisov, E.T., Aleksandrov, A.L. - Determination of the relative rate constants of reactions between peroxide radicals and inhibitors. p.491.

Putilova, I.N., Rudenko, N.V., Terent'ev, A.P. - Protective action of acetylene in the dissolution of iron in hydrochloric acid. p.494.

Khomchenko, G.P., TSitsevich, V.M., Vovchenko, G.D. - Catalytic hydrogenation and electrolytic hydrogenation of butynediol and its homologs p.496.

Rybakov, B.N., Nikolaeva-Fedorovich, N.V., Zhulaeva, G.V. - Reduction kinetics of the $S_2O_8^{2-}$ anion on a rotating lead electrode. p.500.

Zaalishvili, Sh.D., Belousova,, Z.S. - Second virial coefficient of vapors and their mixtures. Part 4. p.503.

Dobrovol'skii, N.N., and others. - Properties of the surface of a freshly cleft graphite. Part 4. p 506.

Storonkin, A.V., Lagunov, M.D., Prokof'eva, R.V. - Aqueous solutions of strong electrolytes. Part 1 p.509.

Trapeznikov, A.A., Shcherbakova, R.N. - Effect of the additions of surface-active substances on the structural strength of pigment - binder pastes p.512.

Khomutov, N.E. - Kinetics of electrolytic oxidation with simultaneous evolution of oxygen and of electrolytic reduction with evolution of hydrogen. p.514.

Sytilin, M.S. - Circuit of a redoxistat with continuous proportioning of reagent for the synthesis of some substances and the simultaneous study of the kinetics of corresponding reactions p.518

Mikhailovskii, IU.N. - Unit for the electrochemical polarization of electrodes by low frequency alternating current of varying degrees of asymmetry. p.520.

Astaf'eva, M.N., and others - Rossman-Yarwood's formula for calculating the coefficient of condensation. p.523.

Dolch, A.IA. - Some remarks concerning V.S. Galinker, V.A.Tiagai, G.N.Fenerli's article "Viscosity of mixtures of aqueous electrolyte solutions." p.525.

Rott, L.A. - Demixing of a dilute binary system. p.528.

Buslaeva, M.N. - Theory of the hydration of ions in aqueous solutions. p.529.

*ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.9, no.6, June 1964.

Table of contents translated:

Shchukarev, S.A., Kokovin, G.A. - Heats of formation of WBr_6 and WBr_5. p.1309.

Semenenko, K.N., Naumova, T.N. - Structure and some properties of aluminum halides. p.1316.

Batsanov, S.S. - Calculation of the ionicity of bonds in complex ions by the method of electronegativity. p.1323

IAtsimirskii, K.B., Kalinina, V.E. - Effect of oxalic acid on the catalytic properties of vanadium (V) compounds in some redox reactions. p.1328.

Lian TSzin-chan [Liang Chin-ch'ang], Du IU-min [Tu Yu-ming]. - Calculation of the complex formation constants of uninuclear and multinuclear complex compounds. p.1333.

Derendiaev, S.P. - Some dithiourea complex compounds of platinum (II) of cis-configuration. p.1345.

Zakharkin, L.I., Maslin, D.N., Gavrilenko, V.V. - Interaction of boron trifluoride with sodium aluminum hydride. p.1350.

Chukhlantsev, V.G., Polezhaev, IU.M. - Reaction of sodium zirconium silicate with water under hydrothermal conditions. p.1356.

Pankratova, L.N., Vlasov, L.G., Lapitskii, A.V. - Complex formation of zirconium with diethylenetriaminopentaacetic acid and 1,2-diaminocyclohexanetetraacetic acid. p.1363.

Kharitonov, IU.IA., Bokcharev, G.S., Zaitsev, L.M. - Infrared absorption spectra of complex zirconium (IV) oxalates. p.1369.

Ryss, I.G., Kulish, N.F. - Hydrolysis of potassium hexafluogermanate in aqueous solutions. p.1382.

TSekhovol'skaia, D.I. - Intermolecular reaction between $POCl_3$ and $TiCl_4$. p.1387.

Nosyreva, E.S., and others. - Phase composition of iron alloys with carbon and manganese. p.1393.

[illegible], M F, and others. - Determination of the [illegible] of manganese and [illegible] p 1337

[illegible] - Some properties of [illegible] the system $Cu_2S - Na_2S$ p [illegible]

[illegible] - Interaction of tantalum [illegible] with [illegible] and cesium chlorides. p 14[illegible]

[illegible] - Ternary reciprocal system consisting [illegible] of cesium and cadmium p 1411

[illegible], A G - Ternary reciprocal systems [illegible] potassium, and [illegible] p 1416

[illegible], A G [illegible] K - Systems [illegible] HNO_3 [illegible] Na, K ‖ NO_3 and Na, K, NH_4 ‖ NO_3 p 1423

[illegible], and others. - Interaction of samarium (III) [illegible] with the chlorides of sodium, [illegible], and cesium p 1427

[illegible], P I, [illegible] R P, Protsenko, A V - System [illegible] ‖ NO_2, NO_3 p 1431.

[illegible], A D, [illegible]skaia, R I, Zhuravlev, E F - Solubility of cerium (III) chloride in water and [illegible] solutions p 1435

[illegible], P I, Andreeva, T.A - Systems $RbNO_2-Ba(NO_2)_2-H_2O$ and $CsNO_2-Ba(NO_2)_2-H_2O$ at 25°C p 1441

Khakrl[illegible], N V - Determination of the steps of stable diagonal lines in the systems consisting of 9 salts of the types A and B p 1446

[illegible], A N., [illegible], T A - Cocrystallization of barium and strontium oxalates p.1450.

[illegible]zen, A M, Sabaev, I IA, Shokin, I N - Determination of the degree of hydration of extracted substances p 1455.

[illegible], A I, Nazarov, A S - Sorption of titanium (IV) on the KU-1 cation exchanger p 1465

[illegible] [Chang [illegible]-na], Botchirova, E S - Products of interaction of silica with phosphoric acid p 1472

[illegible]cheva, N K, Biriukov, A A., Shlenskaia, V [illegible] - Determination of the stability constants of palladium (II) bromide complexes p 1482

[illegible], N A, Serebrennikov, V V - Hydroxocitrates of yttrium, potassium, and some rare earth elements p 1483

Artiukhin, P I - Composition of hafnium salicylates p 1485.

Mironov, V E, Kul'ba, F IA, Fedorov, V A - *Effect of cations of alkaline and alkaline earth metals on complex formation in aqueous solutions. p 1487*

[illegible]vskii, *L M, and others.* - Enthalpy of oxidation *with hydrogen peroxide of* uranium (IV) sulfate tetrahydrate and octahydrate p 1489

Chukhlantsev, V G., Mashkov, IU S - Interaction *of zircon* with caustic alkalies under hydrothermal conditions p.1492

M[illegible]kin, A K., Skotnikova, G A - *Synthesis of* $Na_2[Th(NCS)_5OH(H_2O)_{(2-3)}]$ p 1493.

Ezuchevskaia, V M, Syrkin, IA K, *Deichman,* E N. - Dielectric polarization of crystal hydrates of indium-rubidium sulfate. p 1495

Kniazeva, R N, Chernova, G.N., Ovchinnikov, IU M - Production *of magnesium orthotellurate from metallic tellurium. p.1496.*

Kaliuzhnaia, A G, Polushina, I K., Tret'iakov, D.N - System Ga - P. p.1497.

Diogenov, G.G, *Sarapulova, I F* - *Ternary system* of sodium, rubidium, and cesium acetates. p.1499.

Gel'bshtein, A I., and others. - *Acidity function of the the system* P_2O_5 - *H_2O* p *1502.*

Shchedrina, A P, Ozerova, M I - Solubility in the system $FeCl_2$ - *$CoCl_2$ - H_2O at 15°C.* p.1505.

Dmitrenko, G E - Possible types of the reciprocal systems consisting of 12 salts A,B,C ‖ X,Y,Z,T. *p 1508.*

Dmitrenko, G.E - Steps of stable diagonal lines in the senary reciprocal system consisting *of 12* salts L,M,N ‖ X,Y,Z,T. p.1511.

Berg, L G, Pribylov, K P. - Gas-volumetric investigation of the process of thermal dehydration of epsomite at lowered pressures. p.1514.

Pankratov, A V, and others. - Reaction of tetra*fluorohydrazine* with potassium iodide aqueous *solution. p.1517.*

Fedneva, E M, Alpatova, V.I., Mikheeva, V.I. - *Thermal stability of lithium* borohydride. p.1519.

Gurovich, E.I.- "*Cobalt, its* chemistry, metallurgy and uses." Edited by R.S Young p.1521.

*ZHURNAL OBSHCHEI *KHIMII* [*JOURNAL OF GENERAL* CHEMISTRY]. Issued by *Akademiia* nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.34, no.7, July 1964.

Table of contents translated.

Il'iasov, I I, *Palobekov, A.G*, Bergman, A.G. - Melting diagram of the ternary system urea - phenol - *resorcinol.* p.2099.

Bezuglyi, V D, Mel'nik, L A - Polarographic study of some derivatives of 4-acetylbiphenyl and 2-acetylfluorene p.2103

Kaabak, L.V, Tomilov, A P, Varshavskii, S L. - Electroreduction of unsaturated nitriles. Part 4 Electroreduction of 1-cyano-1,3-butadiene. p 2107

Shostakovskii, M F, Atavin, A S, Trofimov, B A - Vinyl ethers of di- and triethylene glycols p 2112

Domnin, N.A., Ivanova, L.P., Cherkasova, V.A. - Interaction of asymm-diethylhydrazine with some aliphatic ketones p.2116.

Shuikin, N I, Bel'skii, I.F, Shostakovskii, V M - Catalytic synthesis of α-alkyl-γ-ketoenanthic esters p.2118.

Petiunin, P A., Zakaliuzhnyi, M V - Oxalic acid *amides* and *hydrazides* Part 6: Oxaminoyl hydrazones and β-acylhydrazides of N-substituted oxaminic acids p.2121

Martynov, V F, Titov, M I - Study of compounds containing a three-membered *oxide ring Part 32*: Use of Darzens reaction *for the synthesis of* α-chloro-β-hydroxy compounds p.2125.

Chernova, N G., Rybkina, E I, Berlin, A.IA - *Aryl-β-amino acids Part 4: V.M Rodionov* reaction with some aryl aliphatic aldehydes. *Synthesis of δ* -[p-di(2-chloroethyl)aminophenyl]-β-aminovaleric *acid. p 2129.*

IAguzhinskii, L S, Berlin, A IA. - *Potential cytotoxic* groupings Part 4, Esters *of N-(2-chloroethyl)*-N-arylsulfamic acids. p 2133

Shvetsova-Shilovskaia, K D, Lebedeva, E I., Mel'nikov, N N - Organic insectofungicides. Part 77 Interaction of phosphorothioic and phosphorodithioic acid esters with amino acids and amino alcohols *p.2138.*

Radina, L.B., Khvorova, N.M., Pushkareva, *Z.V.* Synthesis of compounds in the series of *natural* α-amino acid hydrazides. Part 2: Hydrazides of some N-acetyl-α-amino *acids and their derivatives* p 2140

Rodina, O A, Mamaev, V P - Amino acids of the *indole series* Part 2: β-Amino-γ-(3-indolyl) butyric acid p 2146.

Mikhaleva, M.A., Mamaev, V P. - *Using amido*methylation reaction for the synthesis *of α-aryloxy*-β-alanines. p.2153

Balonova, E M, Khaletskii, A M, Pesin, *V.G* - Esters of β-sitosterol p.2157

Shvachkin, IU P, Syrtsova, L A - Potential *anti*metabolites Part 12 Synthesis of β-(2,4-dihydroxy-6-methyl-5-pyrimidinyl)alanine. *p 2159.*

Shvachkin, IU.P., Krivtsov, G.G. - Potential antimetabolites Part 13: Synthesis and *properties* of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidinyl)-alanine p.2164

Shvachkin, IU P, Azarova, M T - Potential *anti*metabolites Part 14: Pyrimidinyl-N-α-amino acids. p.2167

Lagucheva, *E.S. - Reaction of* dimethylvinylethynylcarbinol and tetramethylbutyndiol with some diethyl*aminomethylalkyl* ethers. p 2173.

Lagucheva, E S, *Sal'nikova*, L V - *Synthesis* and properties of *some compounds* containing a vinylacetylene group. p.2175.

Mamedov,Shakhmal, Mamedov, E.Sh., Gadzhizade, F S - Glycol ethers and their derivatives. Part 78. Synthesis of alkoxymethyl ethers of 1-*phenyl*-2-alkoxy-1-ethanol. p 2177.

Mamedov, Shakhmal, Pokonova, IU.V., Avanesian, M.A. - Glycol ethers and their derivatives. *Part 79:* Alkoxymethyl ethers of allyl monoether of *ethylene glycol* p.2182.

Antonova, A.A, Venus-Danilova, E D. - Transformations of pinacols with substituted acetylenic radicals Part 21. Synthesis and transformations of asymm. dimethylphenylisopropenylacetylenyl ethylene glycol. p.2187.

IUr'ev, IU.K., *Sadovaia*, N.K. - Chemistry of selenophene. Part 52: Sulfuration of selenophene-2-aldehyde *and selenophene*-2-carboxylic acid. p 2190

Kharrasova, F.M., *Kamai, Gil'm.* - Effect of carbon tetrachloride and chloral on some alkyl esters of diphenyl*phosphinous* and *phenylethylphosphinous* acids. p.2195.

Kochetkov, N K, *Vasil'ev,* A.E., Levchenko, S.N.- Pyrrolizine alkaloids. Part 6: Complete synthesis of integerrinecic *acid. p.2202*

Sokolov, S.D., *Savochkina,* L.P., Kochetkov, N.K. - Isoxazole series. Part 18: Behavior of *isoxazoles in the Friedel-Crafts* reaction. p.2207

Skvarchenko, V.R., *Puchnova,* V.A., Levina, R.IA.- Aromatic *hydrocarbons. Part 30:* p-Bromophenyltetrahydrophthalic *anhydrides* and p-bromobenzyltetrahydrobenzoic acids in the reaction with phosphorus pentoxide. *p.2210.*

Pudovik, A N., Kashevarova, E.I., Gorchakova, V.M. - Mixed *anhydrides of acrylic* and methacrylic acids and acid esters of phosphoric, phosphinic, and phosphorous *acids.* p.2213.

Rubtsov, M.V, and others. - *Synthesis of* 2,6,8-trisubstituted quinuclidine. p.2218.

Rubtsov, M.V., and others. - Beckmann rearrangement in the heterocyclic series. Rearrange[illegible] of oximes of 3-quinuclidinone and 1-azabi[illegible] [3,2,1]-6-octanone p 2222

Petrov, K A, and others. - Thiophosphin[illegible] p.2226

Ardashev, B I, Kagan, E Sh - Preparatio[illegible] dine and its derivatives from aromatic [illegible] Mannich bases. p.2228.

Rafikov, S R., Ergebekov, M F. - Synthesis [illegible] p-methylbenzylphosphinic acid. p.2230

Protsenko, L.D., Skul'skaia, N.IA - [illegible] N',N'-diethylenediamides of phosphor[illegible] p.2233.

Abramov, V.S., Kiriukhina, L I, Kudri[illegible] Interaction of dialkyl phosphorous ac[illegible] with aldehydes and ketones. Part 35 Esters of α-hydroxy-β-(2,2,3-trimethylcyclopenten[illegible] ethylphosphinic and *α-hydroxy*[illegible] *phinic acids. p.2235.*

Ganushchak, N.I., and others. - Haloary[illegible] unsaturated compounds with aromatic dia[illegible] pounds Part 16: Chloroarylation of [illegible] *p.2238.*

Pastushak, N.O., Dombrovskii, A V, [illegible] L.I. - Haloarylation of unsaturated compo[illegible] with aromatic *diazo compounds.* Part 18 [illegible] arylation of α-chloroacrylonitrile p [illegible]

Shevchuk, M.I., Ganushchak, N.I., Dombrovskii A V. - Syntheses based on diene [illegible] Part 2 Condensation of vinylaryl ketones with [illegible] conjugated diene hydrocarbons. p.2247

Gitis, S S., L'vovich, I G. - Reactions of [illegible] nitro compounds. Part 16: Mechanism [illegible] of a nitro group in symmetrical trinitro[illegible] p.2250

Gigorenko, A.A, Shevchuk, M I, Dombrovskii A V. - Preparation of 1-aryl-5-phenyl 2,4 pentadien-1-ones by the Wittig reaction p [illegible]

Nametkin, N.S, Chernysheva, T I., Babare[illegible] Synthesis of organosilicon derivative[illegible] containing the Si-H bond. p.2258.

Sharikova, I.E., Al'bitskaia, V.M., Petrov, A A Chemistry of organic oxides. Part 23: A[illegible] methyldichlorosilane to bivinyl and [illegible] oxides. p 2262.

Melent'eva, T.G., Pavlova, L A., Venus-Da[illegible] E.D - Hydroxydihydrofurans. Part 12 [illegible] properties of the isomerization products [illegible] acetylenic hydroxyphthalans p.2267

Belotserkovskaia, N.G., Ginzburg, O F [illegible] methane dyes Part 5: Transformations of [illegible] chite green and its derivatives in sulfuric acid p 2275.

Zagorevskii, V.A, Dudykina, N V. - Pyran [illegible] its analogs, and related compounds. Part 7 [illegible] ticularities of the reduction of 4-[illegible] oximes and related ketones with lithium alu[illegible] *hydride. p.2282.*

Zagorevskii, V.A., Lopatina, K.I. - Pyran [illegible] its analogs, and related compounds Part 8 4-*Alkyl*-4-aminotetrahydropyrans. p.228[illegible]

Zagorevskii, V A., *Savel'ev,* V.L - Pyran [illegible] *its analogs*, and related compounds Part 9 [illegible] action of coumarin with amines. p.2290.

Ginsburg, I M, Petrov, E.S., *Shatenshtein, A I* Comparison of the electron-donor properties [illegible] series of aliphatic *and cyclic ethers during* [illegible] action with CH_3OD p.2294.

Shantarovich, P S., Salnmatina, O.B. - [illegible] of the *formation of metallo-organic* complexes with charge transfer. p.2298

Otroshchenko, O.S., and others. - Chemistry of dipyridyls. Part 3: Reactivity of dipyridyls p.2304.

TSuker*man, S.V.*, and others. - Infrared spectra [illegible] furan analogs of chalcone and their vinyl anal[illegible] p 2309.

TSukerman, S.V., Gintse, I.K., Lavrushin, V F - Spectra and halochromism of *α,β*-unsaturated [illegible] tones containing furan and thiophene rings. p.2317.

Vasil'ev, A.F., Khaskin, B.A. - Integral intensities of stretching vibration bands of alkyl - O - [illegible] the infrared spectra of some thio-organophosphorus compounds. Infrared spectra and structure of [illegible] (alkoxythiophosphono) disulfides of bis(N-tri[illegible] and N-dialkylammonium). p 2322.

Imaev, M.G. - *Synthesis* of some substituted anilides *of benzoyl*- and methoxybenzoylacetic acids p.2328.

Nikolaev, A.F., Rozenberg, M.E. - N-vinyl imides *of unsaturated* dibasic acids. p.2332.

Volkov, R.N., TSybin, IU.S. - Auto-oxidation of 2-*cyclohexyl*-p-xylene in the liquid phase p [illegible]

Antonov, A.A. - Thermodynamic properties of car*bamide* and some of its *derivatives.* p.2340

Vul'fson, N.S., Zhurina, F.G, Senlavina, L B [illegible] of bromo[illegible] p 2344.

[illegible] I A, [illegible] - Haloa[illegible] sulfides [illegible] polythio[illegible]

[illegible]stein, G.Kh., Ilnov, I.A., Ivin, S.Z. - Haloalkyl sulfides. Part 6. Addition of alkyl sulfenyl chlorides and alkyl polythio chlorides to olefins. p 2350

[illegible]stein, G.Kh., Ivin, S.Z. - Haloalkyl sulfides. Part 7. Interaction of alkylene sulfides with arsenic trichloride and arsenic tribromide. p 2356

[illegible], I.K., Kolt, [illegible], Polikarpova, S.D. - [illegible], phenylhydrazides, and isothiouronium [illegible] of ω-chlorocarboxylic acids. p 2358

[illegible], I.M., [illegible], L.S. - Kinetics and mechanism of the [illegible] coupling of 9-methylacridine and [illegible] of 9-methylacridine. p 2359.

[illegible], A.G., Kolomiets, V.M., Sitnov, A.D. - 2,3-Dimercaptopropylamine and its derivatives. Part 2. Synthesis of N,N-dialkyl-2,3-di(alkylthio)[illegible]. p.2366

[illegible], Koshkarian, V., Oprean, I. - Action of [illegible] acid on polybromophenothiazines. p 2369.

[illegible], M.S., Lain, V.IA. - Pyridazone-anthrone and its derivatives. Part 1. p 2372.

[illegible], M.S., Lain, V.IA. - Some derivatives of anthracene-1-carboxylic and anthracene-1,4-dicarboxylic acids. p 2374

[illegible] - [illegible] studied by means of infrared spectra. p 2378

[illegible], N.N., Kucherova, N.F., Zagorevskii, V.A. - Derivatives of indole. Part 10. 2,3,4,4a-[illegible] 1,2,3,4-tetrahydro[illegible], carbolines and [illegible] derivatives. p 2381.

[illegible], Kolchin, V.I. - Derivatives of [illegible] series. Part 5. Synthesis of [illegible] ester, anilides, and [illegible] produced from them. p.2387

[illegible], I.A., Bel'tseva, N.N., Arbatov, G.IA. - [illegible] of 2-phenylthiopropylamine by pyridoxine [illegible] p 2390

[illegible], I.P., Malinovskii, M.S. - [illegible]. Part 11. Methyl esters of N-aryl [illegible] phenylsulfamic acid. p 2393.

[illegible], I.P., [illegible], Malinovskii, M.S. - [illegible]. Part 12. Amides of N-arylsulfonyl [illegible]. p 2395.

[illegible], M.I., [illegible], A.M. - Chemistry of [illegible]. Part 4. Sulfonation of 2,5-dioxo[illegible] with pyridine sulfotrioxide. p 2397.

[illegible], V.M., [illegible], Petukhova, N.V. - [illegible] of derivatives of 2-(3'-aminophenyl)[illegible]. p 2404

[illegible], V.G., [illegible], M.N. - Pyridyl[illegible] series. Part 4. Nature and [illegible] of pyridylthiazolyl [illegible] radicals. [illegible]

[illegible], I.Kh., [illegible], Ch.N. - Synthesis of [illegible] derivatives of benzene. Part 3. [illegible]

[illegible], I.I., [illegible], I.M., Ponomarev, A.A. - [illegible]. Part 3. Position of certain [illegible] in [illegible] substitution reactions [illegible]. p.2410

[illegible], F., [illegible], R.M., [illegible], IA.O. - [illegible] dyes. Part 33. Condensation of 1-aryl [illegible] salts with Michler ketone and auramine. p 2412

[illegible], A.N., and others - Stereochemistry of 2- and [illegible] 2-[illegible]. p.2416.

[illegible], Kost, A.N. - Effect of the solvent [illegible] addition on the [illegible]ethylation of [illegible] group. p 2421

[illegible], A.I., [illegible], G.V. - Reactions of di[illegible] with acetaldehyde and chloral. p 2423

[illegible], A.I., and others - Condensation of [illegible] hydroperoxide with some carbonyl [illegible]. p 2430

[illegible], N.V., [illegible], E.P. - [illegible], mercaptanes, and thiocyanates from [illegible] salts. p.2433.

[illegible], F.S., [illegible], E. - Mono-, tri-, and per-[illegible] cations from 2,3-polymethylene [illegible] salts. p.2441

[illegible], N.K., Abubakirov, N.K. - Glycosides from the plants of the genus Erysimum. Part 5. [illegible]. p 2449

[illegible], M.B., Abubakirov, N.K. - Syntheses based on [illegible]. Part 1. Synthesis of 19-nor-11-[illegible] and 19-norprogesterone. [illegible]

[illegible], I.N. - Synthesis of methylcholanthrene [illegible] acid. p.2462.

[illegible], E.N., [illegible], M.I., Shatenshtein, A.I. - [illegible] of lithium and sodium blue solutions in [illegible] ethers. p 2465.

[illegible], O.M., Manakov, M.N. - Formation and [illegible] of silylenes, silicon analogs of carbenes. [illegible]

[illegible], A., [illegible], B.I. - Interaction of [illegible] of the aliphatic series with asymmetrical N,N-dialkyl hydrazines. p.2467.

[illegible], E.D., Stepanov, V.M. - Use of acrylonitrile for blocking the sulfhydryl groups of proteins. [illegible]

Zefirov, N.S., Filatova, R.S., IUr'ev, IU.K. - Behavior of dimethyl ester of 3-bromo-3,6-endoxohexahydrophthalic acid in solvolysis. p 2468

Dorofeenko, G.N., Zhungietu, G.I. - Synthesis of pyrylium salts from hydrocarbons with tertiary carbon atoms. p.2469.

Pudovik, A.N., Khusainova, N.G., Aladzhova, I.M. - Addition of nucleophilic reagents to diethyl ester of γ,γ-dimethylallenylphosphinic acid. p 2470.

Pudovik, A.N., Faizullin, E.M., Mukhametzianova, E.Kh. - Reactions of diglycide ether with dialkylphosphoryl chlorides. p.2471.

Ovcharova, I.M., Golovchinskaia, E.S. - Synthesis of 1-alkyl-6-thiopurines. p 2472.

Dokunikhin, N.S., Mikhalenko, S.A. - Transformations of 3-hydrazinopyridazine[4,5,6-m,1]fluorene p 2473

Pesin, V.G., D'iachenko, E.K. - Chloromethylation of 2,1,3-benzothiadiazole and its derivatives. p 2475

Pushkareva, Z.V., Pontugalova, Z.P., Batulina, R.Kh. - N-oxides of acridine derivatives containing a bis(β-chloroethyl) amino group. p.2475.

Bystrov, V.F., and others - Proton magnetic resonance spectra of terpene phenols prepared by condensation of camphene with phenol and cresols. p.2476

Denis, G.I., Jonaitis, S.I., Bruckus, P.F. - Cyanoethylation with β-chloropropionitrile. p.2477.

Zalukaev, L.P., Krivoshein, V.V., Kharina, G.A. - Interaction of 2-aryl-1,3-indandiones with p-benzoquinone. p 2478

Denis, G.I., Cekuolene, L.V., Bruckus, P.F. - Reaction of aromatic amines with Mannich bases. p 2479

c MATHEMATICS

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Seminar algebry i logiki. Algebra i logika [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Seminar of Algebra and Logic. Algebra and Logic]. Novosibirsk, vol. 2, no. 3, 1963.

Table of contents translated:

Gladkii, A.V. - Replaceability in recursive languages. p. 5.

Taimanov, A.D. - Solvability of the elementary theory of inclusion of spheres. p. 23

Taitslin, M.A. - Insolvability of the elementary theories of certain classes of finite commutative associative rings. p. 29.

Vol 2, no. 4, 1963

Table of contents translated:

Robinson, R.M. - Insolvability of the elementary field theory of rational functions of a single variable with rational coefficients. p. 5.

Bokut', L.A. - Base of free polynilpotent Lie algebras. p. 13.

Gainov, A.T. - Binary Lie algebras of the lower ranks. p. 21.

Gainov, A.T. - Alternative algebras of ranks 3 and 4. p. 41.

Kuznetsov, A.V. - Unsolvability of the general completeness, resolution, and equivalence problems for propositional calculus. p. 47

Vol. 2, no. 5, 1963.

Table of contents translated.

Shirshov, A.I. - Groups close to Engel's groups. p. 5.

Kargapolov, M.I. - Generalized solvable groups. p. 19.

Merzliakov, IU.I. - Theory of generalized solvable and generalized nilpotent groups. p. 29.

Ershov, IU.L., Taitslin, M.A. - Unsolvability of certain theories. p. 37.

Gladkii, A.V. - Grammars with a linear memory. p. 43.

Vol. 2, no. 6, 1963.

Table of contents translated:

Kargapolov, M.I. - Ordering groups. p. 5.

Kokorin, A.I. - Theory of ordering groups. p. 15.

Govorov, V.E. - Weakly injective modules. p. 21.

MATEMAATIKA. metoodiliste artiklite kogumik [MATHEMATICS; Articles on Methodology]. Issued by ENSV Ministrite Nõukogu Riiklik Kõrgema ja Kesk Erihariduse Komitee Teaduslik-Metoodiline Kabinet [Scientific Methodological Study Room of the State Committee of Higher and Secondary Special Education of the Council of Ministers of the Estonian S.S.R.]. Tallinn, no. 1, 1963 [In Estonian]

MATEMATIKA; periodicheskii sbornik perevodov inostrannykh statei [MATHEMATICS; Translations of Foreign Articles]. Published by Izd-vo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol [illegible], no 4, July-Aug. 1964

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 5, Sep.-Oct. 1964.

MOSCOW. UNIVERSITET. Vestnik. Seriia 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. Vol. 19, no. 4, July-Aug. 1964.

Table of contents translated:

Kuznetsov, N.N., TSI Chzhun-tao [Ch'i Chung-t'ao]. Uniqueness of the generalized solution of the Cauchy problem for a hyperbolic system of two quasi-linear equations. p. 3.

Khokhlova, L.V. - Stability of the null solution to a system of linear equations in the case of constant perturbations. p. 7.

Skvortsov, V.A. - Du-Bois-Reymond's theorem for generalized integrals and trigonometric series summable by Abel-Poisson's method. p. 16.

Vasil'eva, A.B., Zinin, A.B. - Asymptotic behavior of certain classes of differentialequations with a small parameter at a higher derivative. p. 21.

Rybnikov, A.K. - Group connectivities of absolute parallelism realizable on hypersurfaces of an affine space. p. 30.

Shvets, A.I. - Pressure distribution over surfaces of ellipsoids. p. 42.

Lomakin, V.A. - Theory of the plasticity of anisotropic media. p. 49.

Aleksandrov, V.V. - Use of analog computers in the iterative process of determination of control in a certain optimal system. p. 54.

Stepanov, S.IA. - Stability of dissipative systems. p. 60.

Kandidov, V.P. - Approximate calculation of inhomogeneous plates by dividing them into elements. p. 67.

*PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademiia nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 28, no. 4, July-Aug. 1964

Table of contents translated:

Rostovtsev, N.A. - Theory of elasticity of an inhomogeneous medium. p. 601.

Kunin, I.A. - Internal stresses in an anisotropic elastic medium. p. 612.

Abramian, B.L., Arutiunian, N.Kh., Babloian, A.A. - Two contact problems for an elastic sphere. p. 622.

Barenblatt, G.I. - Some general representations of the mathematical theory of brittle fracture. p. 630.

Kostrov, B.V. - Axisymmetric problem of the propagation of a crack in normal rupture. p. 644.

Sirotin, IU.I. - Tensor functions of a polar and axial vector that are compatible with the textural symmetry. p. 653.

Bam-Zelikovich, G.M. - Solution of some problems involving the one-dimensional unsteady motion of a conducting gas under the action of strong electromagnetic fields. p. 664.

Sakhnovskii, E.G. - Unsteady plane-parallel flow of a partially ionized gas in a high magnetic field. p. 670.

Shliomis, M.I. - Vibrational convective instability of a conducting fluid in a magnetic field. p. 678.

Hayes, U.D. - Vortex motion of an inviscid fluid near the critical point. p. 684.

Ponomarenko, IU.B. - On a certain kind of steady motion in hydrodynamics. p. 688.

Kochina, N.N. - Solution of a nonlinear diffusion equation. p. 699.

Koshliakov, V.N. - Geckeler's equations in the theory of gyrocompasses. p. 708.

Krasovskii, N.N. - Approximation of a problem involving the analytic construction of regulators in a system with retarded argument. p. 716.

Smol'nikov, B.A. - Optimal conditions for decelerating the rotary motion of a symmetrical body. p. 725

Chernous'ko, F.L. - Motion of a solid body with a cavity containing an ideal liquid and an air bubble. p. 735.

Rumiantsev, V.V. - Stability of the motion of a solid body containing a liquid characterized by surface tension. p. 746.

Petrov, A.A. - Variational formulation of a problem involving the motion of a liquid in a vessel of finite dimensions. p. 754.

Arkhangel'skii, IU.A. - Motion of a disc in a Newtonian field of force. p. 759.

Barbashin, E.A., Gerashchenko, E.I. - Stabilization of regulation systems. p. 761.

Proskuriakov, A.P. - Comparison of periodic solutions to quasi-linear systems derived by the methods of Poincaré and Krylov-Bogoliubov. p. 765.

Kiselev, O.M. - Solution of the problem involving a vortex in a bounded mass of heavy liquid. p. 771.

Golubinskii, A.I. - Impact of a shock wave against a wedge moving at supersonic speed. p. 778.

[illegible]

[illegible] JOURNAL [illegible] 1964

[illegible] Ministerstva vysshego i [illegible] Izvestiia [illegible] [Ministry of [illegible] Specialized Education, Bulletin [illegible] Mathematics].

[illegible] translated

[illegible] - A[illegible] behavior of solu-[illegible] tial equations of the [illegible]

[illegible] al properties of the [illegible] for a degenerate hy-[illegible] p 14

[illegible] of the finiteness of [illegible] classes [illegible] p 25

[illegible] A [illegible] in the [illegible] linear integrodifferen-[illegible]

[illegible] V. B. - A[illegible] ation of quasi-linear [illegible] algebraic equations [illegible]

[illegible] functions p 43

[illegible] - A [illegible] problem for [illegible] medium p 58

[illegible] - On [illegible] integral curves of the equation [illegible]

[illegible] M [illegible] generalizations of [illegible] formula p 72

[illegible] A - [illegible] theorem p 81

[illegible] F. IA - [illegible] of prismatic rods with a [illegible] p 84

[illegible] G. M - Cavitation flow of a heavy liquid [illegible] p 92

[illegible] I. S - Distinction between a [illegible] p 99

[illegible] - [illegible] accuracy of the asymptotic [illegible] a certain class of functions Part 1. [illegible]

M[illegible], I. A - Certain integral properties of mono-[illegible] functions p 116

[illegible], N. M - Affine theory of a linear com-[illegible] p 123

[illegible], K. M - Particular methods for the [illegible] of infinite products p 133.

[illegible], S. N - Certain partially ordered objects in the theory of approximation methods p. 138

[illegible] O. V - Pattern of the cavitation flow of a heavy liquid p 152

[illegible] A. P - Symmetric spaces determined by algebras p 155

[illegible], B., Gagaev, B., Bagautdinov, G - [illegible] Petrovich Persidskii, on his 60th birthday p 172

Index of articles published in 1963. p 174

Index of annotations published in 1963. p 178

No. 2 [illegible], 1964

Table of contents translated:

[illegible] Kh. G. - Construction of polarized normalization of conformal space. p. 3.

[illegible], N. L. - Singular Tricomi problems for the equation $\eta\, u_{\xi\xi} + u_{\eta\eta} - k^2\eta^m u = 0$, p. 7.

Baranovskii, E. P. - Filling n-dimensional Euclidean spaces with equal spheres. Part. 1. p. 14.

[illegible], P. K. - Chebyshev center of a set in a Banach space. p. 25.

Bislarina, L. P. - Stability of solutions of integrodifferential partial equations. p. 31.

Vedernikov, V. I. - Pseudolinear affinity. p. 41.

Gribanov, IU. I. - Coordinate spaces and infinite systems of linear equations. p. 53.

[illegible] V. A. - Matrix differential operators. p. 65.

Dombrovskaia, I. N. - Linear operator equations of first order. p. 74.

[illegible], V. S. - Stability of trajectories. p. 79.

Kesel'man, G. M. - Absolute convergence of expansions in eigenfunctions of certain differential operators. p. 82,

Lesokhin, M. M. - External multiplications systems with periodic and complete components. p. 94.

Mel'nik, I. M. - Singular integro-functional equations. p. 100.

Mitiuk, I. P. - The generalized reduced modulus and some of its applications. p. 110.

Mikhailov, F. A. - Two theorems in the theory of linear homogeneous differential equations. p. 120.

Nikolenko, V. N. - Method for the summing of series. p. 127.

Ruban, P. I., Krasil'nikov, K. V. - Use of trigonometric polynomials in the approximation of even functions satisfying Lipshits's condition. p. 136.

Skopets, Z. A. - Use of homotogy in converting two second-order curves into two circles. p. 139.

Stepenchuk, K. M. - Nonlinear transformations of certain classes of sequences (products). p. 144.

Kharasakhal, V. Kh. - Quasi-periodic solutions to differential equations. p. 152.

Shafeev, M. N. - Boundary properties of the S_p integral. p. 165.

Shkil', N. I. - Asympotic solution of a system of linear differential equations in the case of multiple roots of a characteristic equation. p. 176

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol 5, no 4, July-Aug 1964

Table of contents translated:

Bazylev, V. T - Plane nets connected to a Cartan surface. p 729

Bachelis, R. D., Melamed, V. G - Solution of a limiting boundary value problem for an equation derived in solving Stefan's generalized classical problems. p 738.

Belov, K. M - Surfaces of constant mean curvature. p 746

Borovkov, A. A - Analysis of large deviations in boundary value problems with arbitrary boundaries. Part 2 p. 750

Bredikhina, E. A - Approximation of almost periodic functions p 768.

Vasenin, V. V - Existence of solutions to a system of external differential equations. p. 774.

Glebov, N. I - Sets of values of certain vector functions depending on the systems of the sets. p. 778.

Gol'dberg, V. V - Pairs of Laplace P-sequences of n-dimensional projective space p. 783.

Grindlinger, E. I. - Solution of the isomorphism problem for a class of semigroups. p. 788.

Dadazhanov, N. - Cyclic pairs of T_n-complexes. p. 793.

Domoshnitskaia, N. E. - Axiomatic character of almost monotone ordered semigroups. p. 804.

Ignat'ev, N. K - A practicable method for finding dense packings of n-dimensional spheres. p. 815.

Ioffe, L. Sh - Radical of a module p. 820.

Kemkhadze, Sh. S - Groups generated by nilpotent and ZA-subgroups. p 827

Kemkhadze, Sh. S - Factorization of groups by composition subgroups. p. 838

Korotkov, V. B., Gil'derman, IU. I. - Fourier transform for abstract functions of sets. p. 844.

Tiem, Le Van - Type of Riemann surfaces determined by a group of linear substitutions. p. 853.

Litvinchuk, G. S., Khasabov, E. G. - A class of singular integral equations and a generalized Carleman type boundary value problem. p. 858.

Magazinnikov, L. I. - A centroaffine invariant class of complexes. p. 881.

Ogurtsov, N. I. - A class of topological semigroups on a direct product. p. 887

Polovitskii, IA. D. - Groups with extremum classes of conjugated elements. p. 891.

Ponizovskii, I. S - Transitive representations by transformations of semigroups of a certain class. p. 896.

Rakovshchik, L. S. - Calculating the index of a system of almost difference-type integral equations. p 904.

Smirnov, S. V. - Uniqueness of a nomogram from aligned points with a single rectilinear scale. p. 910.

Smirnov, N. M. - Some boundary value problems for a mixed-composite equation p. 923.

Tairova, V. G. - Complexes of segments of a certain class of closed Riemann surfaces. p. 929.

Veksler, A. I - Two problems in the theory of semiordered spaces p. 952.

Grindlinger, M. D. - Magnus's generalized word equality problem. p. 956.

Zabreiko, P. P - Continuity of a nonlinear integral operator. p. 958.

Liubich, IU. I. - Remarks on K. Berzh's problem p. 961

Kharadze, A. K. - Sequences of Appel type polynomials satisfying the recursion relation p 963.

SVERDLOVSK. URAL'SKII GOSUDARSTVENNYI UNIVERSITET. Ural'skoe matematicheskoe obshchestvo. Matematicheskie zapiski [URAL STATE UNIVERSITY. Ural Mathematical Society. Mathematical Annals]. Vol. 4, no. 2, 1963.

Table of contents translated

Ageeva, Z. G - Mixed problem for an elliptic-parabolic equation p 3

Al'brekht, E. G. - Optimum stabilization of [illegible] systems p. 7

Babikov, G. V - Multidimensional analogue of Cauchy's theorem p. 15

Bislarina, I. P - Existence of a periodic [illegible] to an integrodifferential equation p 18

Gur'ianova, K. N. - Approximate solution of [illegible] verse logarithmic potential problem. p [illegible]

Dombrovskaia, I. N - Approximate solution of a singular integral equation. p 39

Kazakova, L. E. - Numerical method for [illegible] timation p. 46.

Kim, V. S. - Conditions for the approximate [illegible] tion of discrete processes p 51

Kim, V. S. - Conditions for the existence of a [illegible] solution to an iterative equation in Banach space p 60.

Klinskikh, N. A - Distribution of the elastic [illegible] in single-phase quasi-isotropic polycrystals [illegible]

Kogan, D. A. - Convolution of infinite matrices and its use in improving the summability of [illegible] series p. 80

Mil'shtein, G. N - Derivation of an equation for [illegible] ing the prediction and smoothing of processes p. 91.

Sikhin, V. N - Application of the principle of [illegible] max losses in problems involving automatic control systems p. 95.

VYCHISLITEL'NAIA TEKHNIKA I VOPROSY PROGRAMMIROVANIIA [COMPUTER TECHNOLOGY AND PROGRAMMING PROBLEMS]. Issued by Kafedra vychislitel'noi matematiki and Vychislitel'nyi [illegible] Leningradskogo gosudarstvennogo universiteta [Department of Computer Technology and the Computation Center of the Leningrad State University]. Leningrad, no. 2, 1963.

Table of contents translated.

Shauman, A. M. - Selection of an interference-free code. p. 3.

Chirkov, M. K. - Reliability of logical switching circuits. p. 16.

Mal'tsov, A. N. - Synthesis of switching circuits using an electronic computer. p. [illegible]

Chirkov, M. K., Shauman, A. M. - Fulfilling operations using a keyboard table computer. p [illegible]

Pudkov, G. IA., Revenko, V. S. - Contactless measurement of the linear dimensions of bodies [illegible] television. p 62.

Pudkov, G. IA., Mikhailova, N. V. - Some [illegible] using television in measurements. p. 72

Shauman, A. M., and others. - Display systems [illegible] digital glow-discharge tubes. p. 79.

Chirkov, M. K. - About some switching circuits. p. 89.

Revenko, V. S., Grigor'ev, G. G., Shauman, A. M. Certain possibility for visual data registration using a digital computer. p. 97.

Baluev, A. N., and others. - Programming program for a digital computer with "ALGOL" language p. 105.

6. PHYSICS

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 28, no. 7, July 1964.

Table of contents translated:

Meliorasnskii, A. S., Kalinkin, L. F., Estulin, I. V. Excited states of Rh^{104}. p. 1110.

Groshev, L. V., and others. - Nuclear levels of Rh^{104} excited in the capture of thermal neutrons p. 1116.

Bainshko, IU. G., and others. - Elastic scattering of protons on tritium at energies below the (p, n)-reaction threshold. p. 1124.

Val'ter, A. K., and others. - Inelastic scattering of protons by Ar^{36} nuclei. p. 1137.

Val'ter, A. K., and others. - Radiative capture and inelastic scattering of protons by Mg^{26} nuclei. p. 1140.

Storizhko, V. E., Popov, A. I. - Elastic scattering of protons by Ar^{36} nuclei. p. 1145.

Storizhko, V. E., Popov, A. I. - P^{30} levels manifesting themselves in the Si^{30}(p, p)Si^{30} reaction. p. 1152.

Antuf'ev, IU. P., and others. - Energy levels of the Si^{28} nucleus. p. 1156.

Zaika, N. I., Nemets, O. F., IAsnogorodskii, A. M. Studying the lower states of Ge^{74}, Se^{78}, Zr^{93}, and Zr^{95} with the aid of stripping reactions. p. 1160.

[illegible], O. I., [illegible], A. I., [illegible], V. A. - [illegible] of Bi^{20} observed in the [illegible] reaction. p. 1161.

[illegible], V. G., Mikhailov, A. I. - Relativistic [illegible] photoeffect. p. 1169.

[illegible], E. I., [illegible], A. S. - Three quasi[illegible] states in deformed nuclei. p. 1173.

[illegible], R. A. - [illegible] in the photo[illegible] of the [illegible] nucleus. p. 1181.

[illegible], V. I. - [illegible] of the [illegible] of [illegible] nuclei. p. 1185.

[illegible], M. A., [illegible], V. V. - Excited states of [illegible] odd atomic nuclei. p. 1190.

[illegible], B. S., [illegible], G. M. - Alpha decay of [illegible] and the level [illegible] of [illegible] isotopes. p. 1201.

[illegible], V. K., [illegible], L. D. - Collective [illegible] in [illegible] electron scattering. p. 1207.

[illegible], V. K. - Excitation of nuclei in the scattering of [illegible]. p. 1212.

[illegible], N. V., [illegible], IU. I. - Some [illegible] of the reaction of [illegible] knocking out of [illegible] nuclei. p. 1230.

[illegible], B. D., [illegible], G. M. - Alpha ray produced [illegible] and the spectrum of levels in [illegible]. p. 1239.

[illegible], I. A., and others. - Gamma ray spectrum [illegible] reaction [illegible]. p. 1244.

[illegible], I. V., and others. - Gamma rays and [illegible] from the reaction [illegible]. p. 1248.

[illegible], A. G., [illegible], A. B., Baranov, [illegible] - Gamma rays from [illegible]. p. [illegible]

[illegible], I. A., [illegible], M. I., [illegible], N. M. - [illegible] of [illegible] for detection of [illegible]. p. [illegible]

[illegible], Vorob'ev, R. A., [illegible] - [illegible] of Np and Pu [illegible]

[illegible]

Table of contents translated

[illegible]

[illegible], Fleishman, A. A. - Characteristic [illegible] crystals of the cubic [illegible] from the gaseous phase. p. 1310.

[illegible], Mirotskaia, I. I. - Alloying of [illegible] crystals during their growth and some characteristics of the samples produced. p. 1316.

[illegible], P. R. - Thermomagnetic and [illegible] properties of lead selenide. p. 1318.

[illegible] - Impurity levels in lead telluride crystals. p. 1321.

[illegible] - Electrophysical properties of [illegible] crystals. p. 1324.

[illegible], P. A., [illegible], IA. I., Perelygin, A. S. - Temperature dependence of electrical conductivity and the Hall effect in copper oxide. p. 1328.

[illegible], I. M., and others. - Hollow cathodes with [illegible] coatings. p. 1333.

[illegible], D. A., [illegible], A. M., Mel'nik, IU. P. - [illegible] of an adsorbed barium film on the face (110) of a tungsten single crystal. p. 1337.

[illegible], M. M., and others. - Increased cathode [illegible] fields. p. 1340.

[illegible], A. R., and others. - Vaporization of [illegible] from tungsten and molybdenum backings. p. 1346.

[illegible], A. P., Vasil'ev, V. P. - Determination of free alkaline earth metal in oxide cathodes [illegible] radioactive iodine. p. 1354.

Spivak, G. V., and others. - Quantitative study of effective emitters within wide temperature limits, based on observations of contrasts in electron micrographs. p. 1360.

Laptev, I. A., Parkhomenko, V. S., Chistiakova, M. A. - Use of color pyrometry methods in measuring the temperature of oxide cathodes. p. 1367.

Karmanov, G. A., Plushkovskii, IU. G. - Measuring the quantity of absorbed gas. p. 1371.

Rekova, L. P., Shul'chenko, S. S., Fogel', IA. M. - Mechanism underlying the effect of gases on the thermionic emission from metals. p. 1377.

Spivak, G. V., Luk'ianov, A. E., Abalmazova, M. G. - Observation of local films of contaminations in a mirror electron microscope. p. 1382.

Ben'iaminovich, M. B., Veksler, V. I. - Energy distribution of scattered atoms appearing during the bombardment of metals by mercury ions. p. 1387.

[illegible], V. N., [illegible], I. M. - Penetration of ions of certain alkali metals into copper and silver. p. 1390.

Moroz, L. P., Alukhanov, A. Kh. - Use of the secondary ion electron emission method in the comparative study of the depth of penetration of various ions into dielectric films. p. 1395.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, no. 8, Aug. 1964.

Table of contents translated.

Rizhchenko, IU. V., Shamina, O. G. - Comparison of amplitude curves developed on a wave guide model of the earth's mantle, and seismic data. p. 1129.

Gol'tsman, F. M., Tan IUn'-fei [Tang Yün-fei]. - Optimum reception of signals and analysis of the statistical properties of disturbances. p. 1142.

Zaitsev, L. P., Parkhomenko, I. S. - Nonstationary head waves in the case of a thin layer lying on a half space. p. 1149.

Gubin, I. E. - Forecasting of earthquakes. Part 1. p. 1164.

Kartvelishvili, K. M. - Recalculating gravity anomalies into anomalies of the vertical gravity gradient. p. 1173.

Volarovich, M. P., and others. - Study of the elastic properties of rocks of the Kola Peninsula under hydrostatic pressure up to 7000 kg./cm². p. 1178.

Fedotov, S. A., and others. - Longitudinal wave velocities in the earth's upper mantle in the region of the Japanese and Kurile Islands. p. 1185.

Bondarev, V. I., Sivkov, N. R. - Optimum angles of slope of seismic detectors in azimuthal setups. p. 1197.

Vasil'ev, IU. A., Halkher, L. D., Sagalova, E. I. - Conditions of formation of a sum wave induced by a linear arrangement of explosion points. p. 1199.

Lebedeva, E. V. - Methodology of discriminating PS waves in model studies. p. 1204.

Vlasov, A. IA., Kovalenko, G. V. - Magnetic anisotropy of artificial sedimentation. p. 1206.

[illegible], G. M. - Calculating the values of the second vertical potential derivative from the field of the first derivative. p. 1213.

Balakh, E. G., Konstantinov, S. V. - Use of a computer in solving a direct problem in gravity prospecting. p. 1221.

Shapkina, V. F. - Turbulent mixing of waters in the case of tidal currents. p. 1227.

Mullamaa, IU. R. - Reflection of direct radiation from the sea surface. p. 1232.

Petrova, L. V., Feigel'son, E. M. - Role of radiation in the buildup of clouds. p. 1247.

Golitsyn, G. S. - Time spectrum of micropulsations in atmospheric pressure. p. 1252.

Mullamaa, IU. R. - Penetration of direct radiation into the sea. p. 1259.

Golovin, A. M. - Theory of vibrations and fractionation of a droplet in a gas flow in the presence of potential motion inside the droplet. Part 3. p. 1266.

Byzova, N. L. - IUdin - Shvets's pattern for the boundary layer of the atmosphere, using the principle of corresponding states. p. 1273.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. Tashkent, vol. 7, no. 5, 1963.

Table of contents translated:

Vinokurov, V. G. - Representations of partially ordered sets, and topological spaces. p. 5.

Plykin, R. V. - On β^K -properties and metrization over half-fields. p. 11.

Loginov, B. V. - Testing the accuracy of the perturbation method in the case of a bounded unperturbed operator. p. 21.

Monakov, B. G. - Approximate solution of operator equations by IU. D. Sokolov's method. p. 26.

Ziiatkhodzhaev, M. - Somilian-type formula for an n-dimensional Lamé equation. p. 30.

Kiv, A. E., Starodubtsev, S. V. - Structural changes in crystals resultant from multiple ionization of atoms. p. 37.

Starodubtsev, S. V., Begzhanov, R. B., Rakovitskii, S. L. - Multipole order of γ-transitions in Sn^{116} accompanying the β-decay of 54 min. In^{116m}. p. 40.

Begzhanov, R. B., and others. - Lifetime of the 1.29 Mev. level in Sn^{116}. p. 45.

Saidov, M. S., Kalendareva, Zh. A. - Effect of annealing on the density of linear dislocations in silicon. p. 51.

Ismatov, E. - Solution of the homogeneous transport equation. p. 54.

Brynskikh, N. A. - Inductance of a semiconductor diode in pulsed operation. p. 58.

Kumaev, P. F. - Electric field of edge dislocations in metals and semiconductors. p. 63.

Aronov, D. A. - Some investigations of the straight branch of the volt-ampere characteristics of diodes with antiblocking tail-end contacts. p. 71.

Tsimmerman, G. G. - Stationary problem of the transformation of temperature and wind velocity fields in the boundary layer of the atmosphere. p. 77.

Domorlad, I. A., Kuiprazarov, D., Khiznichenko, L. P. - Effect of gamma rays on the elastic properties of vitreous arsenic trisulfide. p. 87

Liutovich, A. S., and others. - Study of the purity and structural perfection of single-crystal silicon by measuring the Hall effect in whole ingots. p. 90.

FIZIKA V SHKOLE [PHYSICS IN SCHOOLS]. Organ of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 24, no. 4, July-Aug. 1964.

GOSUDARSTVENNOE IZDATEL'STVO LITERATURY V OBLASTI ATOMNOI NAUKI I TEKHNIKI. Moscow Nauchno-tekhnicheskii sbornik [STATE PUBLISHING HOUSE OF LITERATURE IN THE FIELD OF ATOMIC SCIENCE AND TECHNOLOGY. Technical Papers]. No. 6, 1963 [Adjustments and testing of multichannel apparatus for nuclear physics].

Table of contents translated

Preface. p. 3.

Kurochkin, S. S. - Principal metric characteristics of multichannel measuring systems for nuclear physics. p. 6.

Krasheninnikov, I. S. - Rational selection of the number of channels in spectrometry. p. 27.

Kurochkin, S. S. - Some applications of queueing theory in experimental nuclear physics. p. 38.

Krasheninnikov, I. S. - Counting characteristics of multichannel analyzers with several transducers. p. 49.

Kurochkin, S. S. - Cybernetic characteristics of measuring systems in nuclear physics. p. 53.

Belov, A. F., and others. - Technological control of the electric parameters of units, assemblies, and measuring systems. p. 79.

Krasheninnikov, I. S., Kurochkin, S. S. - Methods of control of the metric characteristics of multichannel analyzers. p. 93.

Belov, A. F., Sterligov, D. A. - Adjustment and control of programming devices of multichannel measuring systems. p. 105.

[illegible], A. F. - Precise measurements of the amplitude characteristics of ferrite cores with rectangular hysteresis loops. p. 114.

Aleshin, M. F., and others. - Device for automatic selection of ferrite cores. p. 122.

Belous, A. L., Pashvykin, V. V., Pekhov, G. P. - Apparatus for testing matrices and memory systems. p. 129.

Salikhko, V. N. - Adjustment and control of arithmetic devices in multichannel measuring systems. p. 140.

Rekhin, E. I. - Adjustment and control of a device for converting nanosecond intervals into a digital code. p. 146.

Kozyr', A. I., Rogushin, I. I., *Kuznetsov, K. F.* - Adjustment and control of an AI-50-2 analyzer with consecutive-type memory. p. 151

Kurochkin, S. S., and others. - Dynamic method for quality testing of units. p. 159.

Rogushin, I. I., Kuznetsov, K. F., Kozyr', A. I. - Experience gained in the operation of AI-50-2 multichannel amplitude analyzers. p. 171.

*LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. No. 157, 1964.

Table of contents translated:

Imianitov, I. M., Lobodin, T. V. - Inhomogeneity zones in thunderclouds. p. 3

Imianitov, I. M., Chubarina, E. V. - Annual variation of the atmospheric *electric* potential at 6000 meters and the charge of an air column in a 0 to 6000 m layer. p. 9.

P 131

[illegible], E V - Relation between the atmospheric [illegible] field and [illegible] p. 22.

[illegible], N A - Relation between the unitary [illegible] current and the distribution of [illegible] over the globe p. 31.

[illegible], T A - Diurnal variation of the illuminated area of [illegible] p 39

[illegible], V V - Theory of measuring raindrop [illegible] the acoustic method p 48

[illegible] P S - [illegible] brontographs p. 54.

[illegible], K A - Some results of testing short-range [illegible] p 59

[illegible], A I - Frequency distribution of [illegible] in Leningrad Province in 1962 p 63

[illegible], I I - Location of near atmospherics and weather conditions p 70.

[illegible], V. A. - Causes of the discrepancy between atmospherics and weather conditions. p. 73.

[illegible], N. I. - Study on the causes of the discrepancy between atmospherics location and weather conditions p 76

[illegible], K N - Relation between the frequency of thunderstorms and that of atmospheric disturbances causing field intensities above a given level p 83

Zachek, S I - Theory of a differential dynamic electrometer p 87

Zachek, S I - Measuring the electric conductivity of the air from an airplane in the free atmosphere. p. 34.

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 6, June 1964.

Table of contents translated.

Kats, A. L. - Two-year cycle in the equatorial stratosphere and the general circulation of the atmosphere. p. 3.

Abal'ian, T. S. - Effect of the altitude of a river mountain drainage basin on the course of runoff during the vegetational period. p. 11.

Alekseev, G. A. - Determining the parameters of the distribution curves by three reference points (quantiles), testing the straightening of the curves on the corresponding graphs. p. 18.

Shliakhov, V. I. - Actinometric observations on the ships of the Soviet antarctic expeditions. p. 27.

Sirotenko, O. D. - Using electronic computers for the statistical analysis of agrometeorological data. p. 30.

Gromova, G. G., Kniazeva, V. I. - Two-year cycle of the formation dates of the summer stratospheric anticyclone. p. 35.

Treshnikov, A. F. - Moscow-Antarctica-Moscow flight. p. 37.

Khzmalian, K. A. - Training personnel on the level of current problems. p. 42.

Skliarov, V. M. - Training aerometeorological team of the 9th Soviet Antarctic Expedition. p. 43.

Debrenev, B. S., Istomin, B. P. - Accuracy in the determination of the wind by the radiometeorological station "Meteor." p. 46.

Shchekin, A. E. - Calibration of radiosondes to a hundred degrees below zero. p. 49.

Khodakov, V. G. - Possible error in the measurement of precipitation. p. 51.

Rakhmanov, V. V. - Concerning A. A. Rode's review. p. 53.

Lifshits, V. M. - "Works on oceanography" (GDR). p. 56.

Literature on meteorology and hydrology in 1963. p. 56.

Kalinin, G. P. - Mikhail Andreevich Velikanov; obituary. p. 61.

In the Main Administration of the Hydrometeorological Service. p. 62.

In the institutions of the Hydrometeorological Service. p. 63.

Meetings, conferences, seminars. p. 63.

Abroad. p. 64.

Weather forecasting for the U.S.S.R. in July, 1964. p. 65.

No. 7, July 1964.

Table of contents translated:

Kalinin, G. P., Levin, A. G. - Precalculation of a hydro graph by the water budget method using an electronic computer. p. 3.

Znamenskaia, N. S. - Hypothesis of the formation of sand bars and their stability. p. 11.

Maksimov, V. A. - Calculation of runoff when the seat of a shower moves. p. 16.

Bratsev, A. P. - Density of a river system. p. 19.

Kozik, E. M. - Freezing in the upper reaches of mountain rivers and its role in the variations of water discharges. p. 20.

Margolin, L. M. - Short-range forecast of a flood hydrograph. p. 21.

Sokolov, A. A. - History of the differential equation of a water budget. p. 25.

Chebotarev, A. I., Kharchenko, S. I. - Methods for the estimation of possible changes in the river runoff under the influence of agriculture. p. 27.

Kritskii, S. N., Menkel', M. F. - Water level fluctuations of closed inland seas and lakes. p. 32.

Kuchment, L. S. - Present-day mathematical methods in hydrology. p. 37.

Evstratov, F. A. - High spring waters on the rivers of the central Chernozem provinces under the Hydrometeorological Service Administration in 1963. p. 41.

Rusakov, V. E. - Study of liquid integrating floats in river streams. p. 44.

Belykh, F. I., Semenov, E. F., Stankevich, E. F. - "Kuybyshev Reservoir" by T. N. Borovkova, P. I. Nikulin, and V. M. Shirokov. p. 49.

Novozhilov, N. I., IAblokov, IU. E. - "Man and the elements. "A hydrometeorological desk calendar for 1964. p. 50.

Kremer, B. A. - M. I. Belov's "First Russian Antarctic Expedition, 1819-1821 and its report map on navigation." p. 52.

Literature on meteorology and hydrology for 1963. p. 53.

Boris Aleksandrovich Apollov; on his 75th birthday and the 50th anniversary of his work. p. 57.

Petr Karpovich Evseev; 1911-1964. p. 58.

In the institutes of the Hydrometeorological Service. p. 59.

Conferences, meetings, seminars. p. 60.

Abroad. p. 62.

Khrabrov, IU. B. - Monthly weather forecasts. p. 63.

Weather forecasting for the U.S.S.R. in August 1964. p. 65.

No. 8, Aug. 1964

Table of contents translated:

Pogasian, Kh P., Pavlovskaia, A. A. - Some characteristics of the air circulation of the stratosphere in the Northern Hemisphere. p. 3.

Kulik, M. S. - Estimating the agrometeorological conditions of the autumn vegetation of winter crops. p. 16.

Dzhordzhio, V A., Liapina, O. A. - Cylcone over the Caspian Sea, photographed from a satellite. p. 23.

Buz, A. I. - Determining the thermodynamic stability of a boundary layer of the atmosphere on the basis of pilot balloon observation data. p. 25.

Averkiev, M. S. - Size of a region whose mean albedo influences the total radiation at a given point. p. 30.

Khachatrian, S. P. - Temperature field in a cumulus. p. 31

Bogatkin, O. G. - Connection between the preservation time of condensation trails of aircraft and the evolution of a cirrus. p. 33.

Pupkov, V. N. - Formation, distribution, and variability of the snow cover in the Asiatic U.S.S.R. p. 34.

Mikhailov, V. N. - UNESCO symposium on the scientific problems of deltas in a humid tropical zone, held in Dakka. p. 41.

Ushenina, N. M., Stepanov, N. D. - Observations on soil moisture p. 43.

Shestopalov, L. A., Antipov, S. F. - Thermometer for measuring the extreme and standard temperatures in the depth of a tillering node. p. 44.

Khrgian, A. Kh. - Aleksei Andreevich Tillo; 125th anniversary of his birth. p. 47.

Mikhel', V. M. - In memory of Semen Ivanovich Troitskii. p. 47.

Boltenkov, V. P., Titov, S. I. - Concerning L. S. Gandin's book "Objective analysis of meteorological fields." p. 49.

Rybak, B. Kh. - Useful handbook for oceanographers and navigators. p. 50.

Literature on meteorology and hydrology, 1963. p. 51.

Sergei Petrovich Khromov; on his 60th birthday. p. 55.

Vladimir Georgievich Shishkov; on his 60th birthday. p. 57.

Zakharov, V. N. - Fiftieth anniversary of the Hydrochemical Institute. p. 58.

In the institutes of hydrometeorology. p. 59.

Conferences, meetings, seminars. p. 59.

Weather forecasting for the U.S.S.R. in September 1964. p. 61.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AEROKLIMATOLOGII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROCLIMATOLOGY, Transactions]. Moscow, no. 11, 1963. [Climatology and aviation climatology]

Table of contents translated:

Pershina, R. A. - Indirect methods for calculating some basic indices of the curves of the frequency of maximum temperatures. p. 3.

Pershina, R. A. - Calculation of the frequency of maximum temperatures in the U.S.S.R. p. [illegible]

Sapozhnikova, S A. - Methods for the approximate calculation of the number of days and hours [illegible] air temperature. p 24.

Fadeeva, L V. - High temperatures in Africa p. [illegible]

Kliukin, N. K., Sapozhnikova, S. A. - Characteristics of the limit of visibility related to requirements of land transportation p. 44.

Kravtsova, L M - Some characteristics of the tropopause over the U.S.S.R. p. 51

Titov, V. I. - Some seasonal characteristics of weather conditions in the airports of Leningrad, [illegible] Kursk, Kharkov, Rostov-on-Don determined [illegible] the height of clouds and visibility. p 60

No. 24, 1963.

Table of contents translated.

Preface. p. 3

Gavrilova, Z. I. - Methods for calculating the tentative standard atmosphere p 7.

Gavrilova, Z I., Mortsalova, O. B. - Methods for processing radiosonde observations for calculating the standard atmosphere. p. 10

Mortsalova, O B., Sokolova, M. V., Cyt[illegible], E. F - Climatic characteristics of the temperature of a model of the standard atmosphere p 21

Mortsalova, O B., Sokolova, M. V - Average and extreme pressures. p. 54.

Mortsalova, O. B - Calculation of air density p. 59.

Gavrilova, Z. I - Comparison of the temperature, pressure and density of the tentative standard atmosphere with corresponding data for the Northern Hemisphere and the 30° latitude belt p. 61

Guterman, I G. - Climatic characteristics [illegible] model of the standard atmosphere p. 66

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions]. No. 134, 1964. [Problems of hydrological forecasts.]

Table of contents translated:

Sapozhnikov, V. I., Klimova, V. V - Forecast of a ten-year inflow of water to the Nurek Hydroelectric Power Station on the Vakhsh River p. 3

Makarova, T. T. - Precalculation of the maximal water level on the Lena River during the [illegible] p. 13.

Levin, A. G - Calculation of losses in the forecasting of rain floods. p. 32.

Dygalo, V. S. - Distribution of snow cover in the drainage basin of the Medvenka River. p. 56

Efremov, P. V., Sholepova, G. S. - Accuracy of the calculation of the intensity of snow thawing p. 77.

No. 135, 1964. [Synoptic and statistical methods for weather forecasting]

Table of contents translated:

Pod', D. A. - Method for forecasting anomalies of the mean monthly air temperature. p. 3.

Pod', D. A., Sidochenko, T. V. - Precision method for forecasting anomalies of the mean air temperature based on information data of a restricted region. p. 13.

Drogaitsev, D. A. - Method for long-range forecasting of precipitation for the spring and the beginning of the summer. p. 22.

Pod', D. A. - Forecasting anomalies of the mean air temperature based on data of its distribution in the Northern Hemisphere. p. 46.

Zverev, N. I. - Waves in the atmosphere. p 83

Pod', D. A. - Method for forecasting anomalies of the air temperature for a decade. p. 91.

*OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 2, Aug. 1964.

Table of contents translated

Rautian, S. G., Germogenova, T. A. - Induced radiation of atoms moving in the field of a strong stationary wave. p. 157.

Kagan, IU. M., Lingushchenko, R I. - Excitation of inert gases in a positive discharge column at medium pressures. Part 4. p. 168.

Norman, G. E. - Role of the negative nitrogen ion N^- in the formation of the continuous spectrum of nitrogen and air plasmas. p. 176.

Vorob'ev, V. S., Norman, G. E. - Energy emission in the spectral lines of an equilibrium plasma. Part 2. p. 180.

Zakharchenia, B. P., Makarov, V. P., Ryskin, A. IA. - Zeeman effect for f-d-transitions in the spectra of alkaline-earth fluoride crystals activated by Sm^{2+}. p. 210.

Pologrudov, V. V., Penzin, IU. G., Penzina, E E - Electroluminescence of diamonds. p. 230.

Malykhina, N N., Shpak, M T - Spectra of a crystalline stilbene solution in tolan examined in polarized light. p 235.
Eidelberg, M.I. - Galvanoluminescence of an anode oxide film on aluminum in diethylphthalate p 244
Romanova, L M - Reflection and transmission of radiation by thick layers of a turbid medium. Determining the parameters in G V Rozenberg's formulae. p.250.
Kirillova, M M, Charikov, B. A. - Optical properties of transition metals p 254.
Ob'edkov, V.D. - Making allowance for polarization and exchange in the theory of electron - atom collisions. p.189.
Vinkalis, I.Zh., Karule, E M, Ob'edkov, V D - Elastic scattering of electrons by lithium atoms in the polarization - exchange approximation. p.197.
Mazan'ko, I P - Limit spectral line width of a signal propagating in a medium of "negative temperature " p 203.
Gladchenko, L.F., Pikulik, L G, Belozarevich, N.L. - Electron spectra of a series of aromatic molecules in solutions. p.209
Kochubei, S.M. - Evidence of molecular symmetry in the spectrum of a crystal p.213.
Kropotkin, M.A., Kozyrev, B.P. - Reflection spectra of natural and manufactured materials in the 0.7 - 100μ wavelength range p 259
Tkachuk, G.B - Propagation of radiation within a volume bounded by a reflecting surface. p.265.
Mazan'ko, I.P. - Use of the method of light demodulation analysis in solving certain problems in twin-wave interferometry. p.272
Kozlov, V.P - Resolving power of spectral instruments. Part 2 p 278
Zhukov, A G. - Longwave infrared spectrometer with small-size echelette grating. p.284
Kozak, P.P. - Rowland ghosts in double-diffraction monochromators and their compensation in photoelectric spectrophotometry. p 290.
Ryzhanov, S.G. - Excitation absorption of light in silver bromide. p.294.
Kutev, IU M. - Instantaneous emission spectra of an IFR-200 pulse lamp in the visible region p.295.
Kholmogorov, V.E., Shablin, A.V. - Use of the paramagnetic resonance method in studying the products of the dark reduction of phthalocyanines by metallic sodium. p.298.
Aref'ev, I.M - Use of the spectroscopy of negative luminous fluxes in the far infrared spectral region. p.300.
Gol'dfarb, V.M., Il'ina, E.V - Broadening of the cesium line in a d.c.arc plasma. p.302.
Barachevskii, V.A, Terenin, A.N - Spectra of positive benzene ions. p.304.
Imanov, L.M., Abdurakhmanov, A.A., Ragimova, R.A. - Microwave spectrum and effective rotation constants of CD_3CH_2OH molecules. p.306.
A.N. Zakhar'evskii; on his 70th birthday. p.308

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7-8, July-Aug. 1964.

REFERATIVNYI ZHURNAL GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 8-9, Aug.-Sep. 1964.

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]. Moscow, no. 4, 1964.

Table of contents translated:
Zubov, V.V. - Study of certain magnetic properties of Fe - Al alloys. p. 3.
Dvorovenko, N.I., Sechkarev, A.V. - Energy distribution and background density in the spectrum of low-pressure mercury arc lamps. p. 6.
Lysenko, G.M., Kisliak, G.M. - Phosphorescence of benzoic acid. p. 13.
Nesterenko, N.A. - Ionization rate, recombination, and mean lifetime of ions in flames. p. 17.
Gorid'ko, N.IA., Rudenko, A.G., Novikov, N.N. - Photomechanical effect in cadmium sulfide. p. 22.
Grabovskii, M.A., Zherdenko, O.N. - Domain structure of natural pyrrhotite. p. 27.
Savitskii, A.P., and others. - Compressive strength of metal-ceramic copper at elevated temperatures. p 35.
Lebedev, L.E. - Asymptotic expansion of singular solutions of the spinor field theory. p. 41.
Klechkovskii, V.M. - Comparative evaluation of two variants of the solution to the problem of electron distribution in the statistical model of the atom. p. 47.
Zhil'kov, E.A. - Statistical theory of the critical point. p 54.
Synorov, V.F., Tolstykh, B.L., Vasil'eva, V.V. - Use of oxide films to protect the surfaces of silicon electron-hole junctions produced by diffusion. p. 61.
Petrakovskii, G A., Naiden, E.P, Pukhov, I.K. - Temperature dependence of the damping rate of spin waves. p. 68
Orlenko, L.P., Efremov, G.F. - Shock waves in metals. p. 72.
Drosdov, N.G, Garevskii, V.N., Kostiukov, N.S. - Effect of diffusion processes on the breakdown voltage of "aged" porcelain. p. 76.
Volokhova, T.I. - Experimental test of the thermodynamic theory of spin-spin paramagnetic relaxation in single crystals of salts of the iron group depending on their orientation in a parallel magnetic field H_0. p. 80.
IUl'met'ev, R.M., Valiev, K.A. - Spin relaxation in Brownian rotation of paramagnetic complexes in fluids. p. 85.
Sechkarev, A.V., Lebedev, R.S., Petrov, A.K. - Vibrational spectrum of ethylcyclopentane. p. 94.
Shibaeva, A.V. - Piezoelectric properties of selenium elements. p. 101.
Kushtan, V.I. - Remarks on resonon theory. p. 105.
Kostarev, A.A. - Use of the phase shift method in the inverse scattering problem. p. 109.
Konusov, V.F. - Use of Ewald's method in calculating the Coulomb sums of a body-centered orthorhombic lattice. p. 113.
Bezel', V.S., Gavrilov, F.F. - Effect of temperature and excitation density on the damping of α -scintillations in ZnS - Cu and ZnS - Ag. p. 119.
Sedokov, L.M. - Friction coefficient and plastic deformation. p. 124.
Korotaev, A.D., Malov, IU.V. - Nature of the increase in electric resistance due to ordering of atoms in nichromes and permalloys with addition elements. p. 128.
Konusov, V.F. - Binding energy in alkali metals and alkaline earth metals. p. 133.
Gaman, V.I. - Relaxation of reverse currents in germanium and silicon p - n-junctions. p. 138.
Loskutov, K.N. - Excitation and extinction of photoconductivity in AgBr single crystals. p. 143.
Krivov, M.A., Malianov, S.V. - Effective cross sections of defects formed in gallium arsenide by gamma rays. p. 147.
Kaplan, E.S. - Present-day problems demanding further improvement of the MKSA system of units. p. 152.
Lukantsever, IU.L., Zaitov, F.N. - Allowing for reabsorption in spectrophotometry. p. 158.
Papush, E.G. - Calculating the ground state of polaron F_{z1} and F_{z2} centers in a uniaxial crystal. p. 164.
Zhil'kov, E.A. - Statistics for certain systems. p. 168.
Kovalev, I.F. - Calculation of the electro-optical parameters and intensities of infrared spectra of type XY_4, XY_3Z, and XY_2Z_2 molecules. p. 173.
Vorob'ev, A.S., Kolchin, V.V. - Effect of small additions on the temperature dependence of the initial magnetic susceptibility of magnesium zinc ferrites. p. 180.
Papush, E.G. - Calculating the lower p-states of an electron in a polaron F_{z1} center in a uniaxial crystal. p. 184.
Otpushchennikov, N.F. - Theoretical basis of the Lagemann rule provided by a simple method. p. 191'.
Otpushchennikov, N.F. - Substantiation of Jacobson's empirical rule. p. 192.
Sapogin, L.G., Letunov, IU.P. - Variation in the heat conductivity of semiconductors under the action of currents. p. 194.

*TEPLOFIZIKA VYSOKIKH TEMPERATUR [THERMOPHYSICS OF HIGH TEMPERATURES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 3, May-June 1964.

Table of contents translated:
Buchel'nikova, N.S. - Setup for studying an alkaline plasma. p.309.
Abramov, V.A., Tarasov, IU.A. - Properties of an argon-cesium plasma in an electric field. p.313.
Nastolashchii, A.F. - Stability of a current in a transverse magnetic field. p.321.
Bykhovskii, D G, Fridliand, M G. - Heat balance of an extended spatially bounded arc burning in a two-component gaseous medium p 329
Biberman, L M., Sevast'ianenko, V G, IAkubov, I T - Photodissociation of oxygen in front of a shock wave in the air p.333.
Anisimov, S I, Kuznetsov, N.M., Nogotov, F F - Structure of shock waves in the air allowing for the kinetics of chemical reactions and the excitation of molecular vibrations of nitrogen p 337.
Gol'denberg, S.A - Stabilization of a flame by opposing streams p.344
Levi, E, Sandler, M - Method of solution of nonstationary one-dimensional problems in magnetohydrodynamics p 351
Artym, R I, Spiridonov, G A - Derivation of the equation of state for a binary mixture of particles by the method of correlation functions p 359
Fokin, L.R - Generalized tables of the thermodynamic properties of dissociating ideal gases p.367.
Platunov, E S - Measuring the heat capacity and heat conductivity of rods under monotone heating - cooling conditions p.378
Filippov, L P., Pigal'skaia, L.A - Measuring the thermal diffusivity of metals at high temperatures Part 1. Theory of the method of variable heating in a high-frequency furnace p.384
Krzhizhanovskii, R.E. - Thermophysical properties of titanium and the heat conductivity of its alloys with tin and aluminum. p.392.
Fondymakin, B I, Solinov, F G - Variation in the heat conductivity of glass in the system SiO_2 - Li_2O - Al_2O - ZrO_2 during crystallization p.397.
Gurvich, L.V., Riabova, V G. - Determination of the dissociation energy of metal halides based on a study of the equilibrium of reactions in flames Part 1. Dissociation energy of BaF p 401.
Avarbe, R.G., Vil'k, IU N - Calculation of the temperature and concentration dependences of certain thermodynamic functions of the phase NbC_x p 406
Artiushkov, E.V - Radiative heat transfer processes between two infinite parallel plates p.411
Muchnik, G.F., Poliakov, IU.A. - Biot's variational method in heat transfer problems with variable boundary conditions p.424.
Bystrov, P I - Nonstationary temperature field of freezable sectors of systems with liquid metal coolants. p.429.
Styrikovich, M.A., Nevstrueva, E.I. - Some new methods for experimental study of the mechanisms of boiling and critical boiling. p.437.
Labuntsov, D A., and others. - Use of high speed motion-picture photography in studying the growth of bubbles in saturated water boiling in a wide range of pressure variation p 446.
Deich, M.E., TSiklauri, G.V. - Supercooling and structure of a stream of wet steam escaping from a tapering nozzle. p.454.
Rambidi, N.G., Spiridonov, V.P - Study of the molecular structure of high-temperature steam based on fast electron scattering Part 2. p.464
Sosbnikov, V.N. - Optical absorption cross sections in electron bands of CN, Co, C_2, and OH at high temperatures. p 479.
Antropov, E.T., Sapronov, A.A. - Simple transducers for shock tubes. p.482.
Sheidlin, A E., Gorbunova, N.I - Experimental study of the enthalpy of heavy water in the supercritical region of the parameters of state p.484.
Borisov, IU.A., Gusarov, A.V., Gorokhov, L.N. - Mass-spectrometric study of the evaporation of cesium superoxide. p.487.
Golubev, B.P., Vasil'eva, G.A., Kalitin, P.P. - MEI-MKTS bushings from the zone of high temperatures and pressures. p.489.
Bibliography. p.499.

UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddil fizyko-matematychnykh nauk Akademii nauk URSR [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 9, Sep. 1963.

Table of contents translated:
Berezhnoi, IU.A. - Inelastic diffraction scattering with excitation of two-phonon nuclear states. p.929.
Val'ter, A.K., and others. - Measurement of the gyromagnetic ratios of nuclei in the excited state. p.935.
Vlasov, M.F., Kyryliuk, A.L. - Identification and determination of the parameters of resonance levels in erbium. p.947.
Hemus, D.M. - Energy spectrum of current carriers in compounds of the V_2O_5 type. p.954.
Tarnavs'ka, M.V. - Structure of the energy zones of current carriers in crystals of the $Cd_3N_2(T_h{}^7)$ type. p.961.
Potykevych, I.V., Biliaiev, O.M. - Some optical properties of the ternary semiconducting compound $CdIn_2Te_4$. p.967.
Stakhyra, I.M. - Growing the In_2Se single crystals by the method of extraction from the melt. p.970.

B 13f -14a

Put-ko, M.F., Andriievs'kyi, O.I. - Effect of impurities on certain physical properties of mercury sulfide. p.975.

Vasil'ieva, I.P. - Diffraction and Fresnel's formulae for ultrasonic waves. p.979.

Vasil'ieva, I.P. - Diffraction and Fresnel's formulae for ultrasonic waves. Part 2. p.990.

Kochubei, S.M., Stavraki, H.L. - Testing the validity of some classical formulae in crystal optics in the exciton absorption region. p.999.

Trusov, V.V., Teplitskov, P.O. - Phosphorescence spectra and vibrational structure of carbazole molecules. p.1005.

Lozovyk, IE.S., Hrishin, S.F., Hrishin, O.IA. - Adiabatic demagnetization of ferric ammonium alum without thermal insulation. p.1013.

Frantsevych, I.M., and others. - Studying the diffusion of the components of a molybdenum-tungsten alloy over a wide temperature range. p.1020.

Borets', O.M., Stakhyra, I.M. - Self-absorption edge in In_2S_3 single crystals. p.1026.

Voitsekhivs'kyi, O.V. - Thermal conductivity of certain four-component semiconductor alloys. p.1027.

Shneider, A.D., Havrishchak, I.V. - Microhardness of HgTe - CdTe systems. p.1028.

Hryshaiev, I.O., and others. - Efficiency of a secondary emission monitor in the 15-70 Mev. electron energy range. p.1029.

Kovbasiuk, V.P., Chorna, N.S. - Excess conductivity of photosensitive films of lead sulfide. p.1030.

Mashkevych, V.S. - A laser based on Raman scattering. p.1032.

Mashkevych, V.S. - Nonlinear optical properties of a three-level system in a resonator with several modes. p.1035.

IErmolovych, IU.B. - Cyclotron resonance in p-InSb. p.1039.

Protopopov, O.O. - Pulse conductance of H-hexane. p.1039.

Vol. 9, no. 4, Apr. 1964.

Table of contents translated:

Komarov, L.I., Fisher, I.Z. - Neutron and optical spectra as sources of information on the motion of molecules in liquids. p.349.

Rott, L.A. - Statistical theory of multicomponent systems. p.354.

Gurikov, IU.V. - Functional expansions in the theory of statistical equilibrium. p.360.

IUkhnovskii, I.R., Nekrot, A.A. - Some properties of binary functions of distribution of a mixture of ions *and dipole molecules. p.365.*

Zamkov, V.A. - Correlations in liquids. p.374.

Fisher, I.Z. - Theory of diffusion near the critical *point. p.379.*

Zaitseva, A.M., Fisher, I.Z. - Hydration theory. p.383.

Samoilov, O.IA. - Structure of water. p.387.

Skripov, V.P. - A superheated liquid near the limit of its stability. p.393.

Galinker, I.S., and others. - Temperature-dependent differences in the thermodynamic properties of water and electrolyte solutions. p.401.

Litvinenko, I.V. - Anion and cation interaction with molecules of a solvent and the volumetric effects of *hydration.* p.405.

Golik, A.Z., Adamenko, I.I., Cholpan, P.F. - Effect of molecular interaction on the compressibility and *viscosity of liquids.* p.412.

Ryss, A.I., Radchenko, I.V. - X-ray diffraction study of aqueous solutions of terafluoboric acid and some of its salts. p.416.

Klochkov, V.P., Skryshevskii, A.F. - X-ray diffraction study of molecular liquids. p.420.

Romanova, A.V., Kuchak, G.M. - X-ray diffraction study of molten intermetallic compounds of the indium - bismuth system. p.428.

Spektor, E.Z., Khokhlov, S.F. - *Plant for X-ray* diffraction studies of liquid high-melting metals. *p.440.*

Shakhparonov, M.I. - Properties of a liquid having intermolecular hydrogen bonds. p.444.

Vdovenko, V.M., and others. - Hydrogen bonds in alkyl ammonium salts. *p.453.*

Bezrukov, O.F., Vuks, M.F., Neronov, IU.I. - Proton relaxation in solutions of ternary butyl alcohol-water. *p.457.*

Lutskii, A.E., Solon'ko, V.N. - Hydrogen bonding and the specific heat of liquids. p.459.

14. MEDICINE

a. GENERAL

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow Vsesoiuznyi nauchno-issledovatel'skii institut meditsinskoi i mediko-tekhnicheskoi informatsii. Referativnyi sbornik Voprosy onkologii [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. All-Union Scientific Research Institute of Medical and Medico-technical Information. Journal of Abstracts Problems of Oncology]. Moscow, no.1, 1964
(DNLM)

AZERBAICHAN TIBB ZHURNALY. AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL] Issued by Azerbaichan SSSR Sehiife nazirlili [Azerbaijan Ministry of Health]. Baku, no. 6, *June* 1962.

Table of contents translated:

Gadzhiev, S.A. - Urgent problems of surgery of the heart. *p.3.*

Abdulaev, D.M., Isazade, G.M. - Hormonal therapy of the "ascitic forms" of liver cirrhosis. p.7.

Mamedov, Z.M., Bakhrami, M.M. - Functional indices of the thyroid gland in the immediate and late postoperative periods. p.13.

Abrakhanova, B.N. - Local hypothermia in the inflammation process in the abdominal cavity. p.20.

Roshal', M.E. - Use of a barium enema in the diagnosis and treatment of invaginations in early childhood. *p.23.*

Ibragimov, M.A. - Two years' work of a public health university. p.29.

Mutalimova, A.B. - Characteristics of the course of an ischemic attack in alcoholism. p.35.

Karabezov, R.G. - Clinical aspects of acousticomyelitis. *p.40.*

Kurbanaliev, I.G., Rzaev, S.D. - Rare case of the formation of a pathological anastomosis between the gallbladder and the pylorus of the stomach. p.43.

Abiev, G.S., and others. - Fundamental work. p.46.

Ismail-zade, I.M. - Bibliographic index of dermatology and venereology for forty years of Soviet power in Azerbaijan, 1920-1960. p.48.

Khalfen, Sh.S. - Differential diagnosis of jaundices of *various etiology. p.53.*

Vein, A.M. - How readily should a person fall asleep. *p.59.*

Malevskaia, I.A. - Raw and boiled water. p.60.

Sidel'nikova, T.IA. - A mother and a stepmother. *p.61.*

*BIULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY [BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE]. Issued by Akademiia meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol. 55[i.e. 56], no. 10, Oct., 1963

Table of contents translated

Kibiakov, A.V., Orlov, R.S. - Electric excitability of the smooth muscle cells. p.3.

Petrek, I., Golda, V., Lisonek, P. - Relation between the latent period of the evoked potentials in gyrus suprasylvicus medius and gyrus lateralis pars anterior and the intensity of peripheral excitation p.6.

Kurilova, L.M - Changes in the reflex adjustment of the visual receptor system in temperature stimulation of the skin. p 10.

Khaiutin, S.N - Importance of the signal factors in the formation of food-conditioned behavior of the young of the pied flycatcher (Muscicapa hypoleuca). p 14.

Dzhelieva, Z.N. - Intestinal secretion in monkeys. p.18.

Taniukhina, E.I. - Examination of the hyaluronidase activity of the urine in assessing the activity of the rheumatic process. p.22.

Lempert, B.L., Leites, F.L. - Role of the reduction of the lipolytic activity of the aortic wall in the pathogenesis of its lipoid infiltration. p.25

Davtian, N.K - Lipolytic activity of adipose tissue in experimental alloxan diabetes. *p.29.*

Ostrovskii, IU.M., Nikitin, V.S. - Comparative biochemical and histochemical study of lipids in the liver and heart *of pigeons with experimental* hypervitaminosis B_1. p.32.

Davydova, V.M. - Course of experimental tuberculosis in animals preliminarily adapted to hypoxia. p 35.

Ryzhova, A.F. - Effect of p-aminobenzoic acid on the synthesis and decomposition of cholesterol in the liver of healthy and atherosclerosed rabbits. p.41.

Zaets, T.L., Gulliamov, T.D., Lektorskii, B.I - Decomposition of tissue proteins in burns. p.44

Bogoiavlenskaia, N.V - Activity of lactic dehydrogenase in the blood plasma of rats following the administration of monoiodoacetic acid. p.48.

Krasnov, I.B. - Histochemical study of the sulfhydryl groups of tissue proteins in the superior cervical sympathetic ganglion of a cat in a state of quiescence and excitation. p 50.

Breger, M.A., *Chernukh,* A.M. - Experimental study of diambutol, a new antituberculosis preparation. p.55.

Veselova, E.A. - Effect of cardiac glycosides on coronary circulation and absorption of oxygen by the heart in experimental myocardial infarction. p.57.

Sudzhian, A V. - Effect of the depth of anesthesia on the electrolyte level in the blood serum of dogs. p.62.

Abidov, A.A. - Genetic recombinations in intestinal bacteria. Report No 4 Study of the genetic structure of the hybrids of dysentery bacteria, relation to phages and virulence p.65.

Gendon, IU.Z. - Variability of the intratype antigenic marker of poliomyelitis virus strains. p.67.

Pletsityi, D.F., Fidel'man, E S. - Immunogenesis and nonspecific factors in natural resistance. Report No.3 Effect of active immunization on the lysozyme content in animal blood p.60.

Govallo, V.I - Characteristics of the changes in immunological reactivity of rabbits following skin homotransplantations. p 74.

Klemparskaia, N.N - Effect of novocaine on immunogenesis p 77

Voitkevich, A A - Relation of the thyrotropic function of the hypophysis to the neurosecretion in pigeons p.82

Laguchev, S.S, Kargina-Terent'eva, R.A - Ovarian hormones as an indispensable factor for mitosis of the epithelial cells of the reproductive organs p.85.

Nikiforova, E.N. - Mitotic activity of the tissues of the breast following a trauma in noncastrated and castrated rats. p.89.

Zaletaeva, T.A. - Correlation between the quantity of polyploid and binuclear cells of the liver in the course of 24 hours. p 93

Kukel', IU P. - Mechanism of epithelial desquamation of the villi in the small intestine. p.96.

Il'ina-Kakueva, E.I. - Comparative histochemical studyof the nuclei of specific systems and the reticular formation of the brain in a number of mammals. p.100

Khuschov, N G - Morphophysiological analysis of changes in desympathized skin. p 105

Denisov-Nikol'skii, IU I - State of peripheral nervous structures of the pelvic extremity in rabbits during the development of collateral circulation p 110.

Sinlakov, V.S. - Method of continuous recording of the thickness of the myocardium in experiments on animals. p.114

Looga, R, Kull, M - Method of bloodless determination of arterial pressure in laboratory animals p 116.

Losev, N I, Kuz'minykh, S B - Taking an electrogram of nerve trunks using apparatuses with direct recording and quantitative evaluation of the activity of the nerve. p 119.

Strelets, V.A., Rutsko, L.A. - Apparatus and method for the quantitative estimation of pulmonary ventilation in small animals. p 123.

DUSHANBE. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 50, 1961. [Current problems of the physiology and pathology of childhood.]

Table of contents translated:

Vail', V S. - Mikhail Stepanovich Maslov, his life and *activities. p 5.*

Gurtovoi, B L. - Are there seasonal fluctuations in the weight of newborn infants. p.29.

Gurtovoi, B L - Weight of newborn infants in geographical areas with a dry subtropical climate. p.35.

Levina, G.E. - Time for the first feeding of newborn *infants. p.43*

Shagan, B.F. - Some problems of the care and feeding of prematurely born and weak infants. *p.51.*

Etingen, L.E. - Functional morphology of the ovaries of fetuses and newborn infants. p.55.

Vail', N.V. - Staphylococcal pneumonia in young children. p.59.

Sholopin, A.S. - Morphological characteristics of staphylococcal pneumonia treated with antibiotics in very young children. p.60.

Tiurineva, A A. - Rheumatic fever in children in Dushanbe. p.72.

Tiurineva, A.A. - Occurrence of rheumatic fever *among children* in the schools and kindergartens in Dushanbe. p.77.

IUldasheva, S.N. - Decrease of rheumatic fever in children in some cities and rural localities of *Uzbekistan.* p.84.

Levina, G.E. - Periarteritis nodosa among children in Dushanbe. p.87.

Bronshtein, R.E. - Aminopherases in the blood serum of healthy children and the change in their activity in Botkin's disease. p.97.

Preobrazhenskaia, N.V. - Light (nonascitic) forms of heliotropic dystrophy of the liver in children. p.102.

IAkubova, M.M. - Cholecystography in healthy children and in children with cholecystitis. p.113.

IAkubova, M.M. - Fin'ko's color reaction of bile and its importance in the diagnosis of cholecystitis in children. p.125.

Kossiura, M.B. - Method of examining gastric secretion in very young children. p.133.

Dunchik, V.N. - Calculi of the urinary bladder in children in Tajikistan. p.139.

Dunchik, V.N. - Some problems of the diagnosis and treatment of nephrolithiasis in children. p.143.

Tkachenko, B.A. - Combined treatment of tuberculosis of the peripheral lymphatic nodes in children. p.152.

Levenets, V.A., Tkachenko, B A. - Treatment of harelip in children p.155
Lokshina, E.G., Zhukov, B L. - Results of orthopedic examination of school children in Dushanbe p.159.
Lokshina, E.G. - State and tasks of orthopedic aid to the child population of Tajikistan. p.163
Kuznetsova, N.V. - Composition of food rations in preschool children's institutions in Dushanbe. p 167
Preobrazhenskaia, N.V - Ascitic forms of heliotropic toxicosis (heliotropic dystrophy of the liver) in children. p.174.
Tiuriaeva, A.A , Perevozchikova, O.V - Excessive diagnosis of rheumatic fever in children. p 187
Kuznetsova, V A., Tovba, M L - Clinical *aspects* of Werthof's disease in children p 191
Anan'eva, R S., Rubinova, M S - Kidney lesion in capillary toxicosis in children p.194.
Li, M., Repsh, E.F., Shcherbakova, A.M. - Diagnostic errors in diphtheria of the pharynx p.197
Bukhman, O. - Seasonal factors of the course of pneumonia in young children in Dushanbe p 200.
Glinskaia, I.S - Casuistics of serious lesions of the bone system in late congenital syphilis. p.203.
Bronshtein, R E. - Casuistics of pigmentary urticaria in children. p.207.
Vail', V.S. - Obstetrician A.IA.Krassovskii and his activity of teaching pediatrics and training pediatric personnel between 1850 and 1800 p 209.
Glinskaia, I.S - Differential diagnosis of diaphragmatic hernias in children p.220.
(DNLM)

KARDIOLOGIIA [CARDIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.2, no.6, Nov.-Dec., 1962.

Table of contents translated

Teodori, M.I. - So-called primary lesions of the myocardium: idiopathic myocarditis and idiopatoic myocardial hypertrophy (clinical aspect, diagnosis and treatment). p.3.
Shestakov, S.V. - Once again about the so-called intermittent forms of coronary insufficiency. p.14.
Tumanovskii, M.N., and others. - Electrokymographic investigation of the heart in dogs following excision of experimental myocardial infarction. p.22.
Shkhvatsabaia, I.K., Men'shikov, V V. - Importance of catechol amines in the pathogenesis of neurogenic myocardial changes. p.27.
Miasnikov, L A., Zaitsev, V.F. - Effect of thyroidin on the distribution of 4-C^{14}-cholesterol in experimental atherosclerosis. p.31.
Vinogradov, A.V., and others. - Changes in hemodynamics in myocardial infarction. p.37.
Presniakov, D.F. - Interpretation of the main electrocardiographic changes in myocardial infarction; origin and clinical importance. p.43.
Volynskii, Z.M. - Materials for the diagnosis of myocardial infarction. p.49.
Logomolova, E.K. - Role of anticoagulants in the prevention of experimental coronary insufficiency. p.54.
Ravina, M.V., Lobova, N.M. - Content of polyunsaturated fatty acids in the blood serum of patients with atherosclerosis. p.59.
Valetko, N.K. - Comparative clinical study of syncoumar (syntrom), a new anticoagulant. p.66.
Pekshev, A.P. - Use of etaphen in the treatment of coronary insufficiency. p.69.
Tokareva, A.M. - Importance of some instrumental methods of investigation in the diagnosis of cardiac aneurysms. p.74.
Babskii, E.B., Ivanov, V.S., Nikishin, G.V. - Use of cardiocyclography in physiological and clinical investigations. p.77.
Stepanova, M.P. - Clearing factor and its relation to the development of atherosclerosis; survey of foreign literature. p.82.
Marlov, Kh.M. - First national conference on experimental medicine in Bulgaria. p.87.
Index of articles published in the journal "Kardiologiia" during 1962. p.90.
(DNLM)

KRASNODAR. KUBANSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Nauchnye trudy [KUBAN STATE MEDICAL INSTITUTE. Studies]. Vol.19(32), 1962. [Problems of hygiene and organization of the public health service].

Table of contents translated:

Foreword. p.3.
Akimov, A.A., Shaposhnikov, E A., Kolmakov, V I. - Incidence of angina and outpatient service for chronic tonsillitis at some Krasnodar industrial enterprises. p.5.
Lazarevich, L.P., and others - Outpatient service for the workers of the Krasnodar Worsted and Cloth Combine frequently suffering from angina. p.19.
Shaposhnikov, E A - Evaluation of the role of climate in the analysis of the incidence of angina in workmen and employees p 29
Karagezian, M A , Nesterova, V.P., Vatul'ian, K A - Prevention of occupational dermatoses in workers of the Krasnodar Plant of Measuring Instruments p 40
El'fond, M A , Platonova, N P - Prevention of skin diseases in the workers of the "Oktiabr'" Plant p 48
Kitsenko, V P , Nesterov, V A - Study of industrial traumatism at the Sedin Machine-Tool Plant p 56.
Rukavtsova, V F , and others - Study of the dust factor in the founding departments of six Krasnodar *plants p 63*
Mel'nikova, E A , Panasenko, Z G , Artamonova, T A - Changes in the serum proteins in persons working with gasoline and ethylated gasoline p 77.
Nikolov, S.Kh. - Working conditions and the state of *health of the* workers in the laboratories of petroleum refining plants p 84.
Amelina, N.A , Znachko, L.I - Effectiveness of the work of the experimental settling pond at the Krasnodar Petroleum Refinery p 90.
Okolov, F S , Nikolov, S Kh - Comparative charac*teristics of the stability* of colloidal solutions of some animal proteins p 97
Okolov, F S , Nikolov, S.Kh - Effect of vibration on the colloidal properties of human serum proteins p.105
Okolov, F S , and others. - Effect of ultrasonic waves on the colloidal properties of the human blood serum p 111.
Nikolov, S.Kh - Effect of ultrasonic waves of low frequency on rennin p.120.
Nesterenko, T I - Study of the incidence of disease in machinery operators and livestock raisers of the village of Pereyaslavskaya p.130.
Petrova, T R - Hypertension incidence among the rural population and its treatment and prophylaxis p 135.
Nesterenko, T I. - Provision of hospital aid for the rural population of Krasnodar territory p 142
Kitsenko, V P - Incidence of neurological diseases in Krasnodar. p.152.
Nesterov, V A - Importance of cardiovascular diseases as the causes of death among the population of Krasnodar p 160
Nesterov, V.A. - Importance of the quality of intravital diagnosis in the study of mortality due to the most important cardiovascular diseases p 169
Cherniak, S N - Role of the sanitary section of the 9th Army of the organization of the public health service and higher medical education in Kuban during the civil war years p 189.
Pinskii, I Kh - Materials on the history of the development of Soviet stomatology during the postwar years (1946-1958) p.198.
Pinskii, I.Kh. - Characteristics of scientific investigations concerning Soviet stomatology during the postwar years p 212.

MEDITSINSKAIA PARAZITOLOGIIA I PARAZITARNYE BOLEZNI [MEDICAL PARASITOLOGY AND PARASITOGENIC DISEASES]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.32, no.4, July-Aug. 1963.

Table of contents translated·

Petr Grigor'evich Sergiev; on his 70th birthday. p.387
Zhitnitskaia, E.A. - Results of mass treatment of ancylostomiasis with alcopar (naphthamon) p.389.
Gritsai, M K - Results of the treatment of ascariasis with a single administration of piperazine adipinate in the Ukrainian S.S.R. p.394.
Khorava, G.V., and others. - Treatment of ascariasis with naphthamon (alcopar) p.397.
Kravets, N.P - Clinical aspects of trichocephaliasis. p.400.
Plotnikov, N.N., Litvinov, S.K. - Treatment of pulmonary paragonimiasis with bithionol. p.405.
Koshukov, S D. - Pathological anatomy of experimental opisthorchiasis. p 408.
Ivchenko, N.S. - Echinococcosis and alveococcosis in Magadan Province; data from Magadan medical institutions. p.411.
Lenkauskaite, C L. - Elimination of Lamblia with furazolidone. p.414.
Khamtsov, V.G - Liver function tests in balantidiasis. p.416.
Gusein-Zade, K.M. - Seeding tubercles in the anthroponomic type of cutaneous leishmaniasis. p.422.
Sergiev, P.G., and others. - Progress and prospects of the complete eradication of malaria in the U.S.S.R. p.424.
IAroiskii, L.S. - Nosogeography and epidemiology of transmissible and parasitic diseases in the Republic of Guinea; based on data compiled from 1959 to 1961. Report No.2. Malaria; its incidence among visitors from the U.S.S.R. and other countries. p.436.
Soprunova, N IA. - Research on ways of quinocide metabolism in the animal body Report No 2 Binding of quinocide in the tissues p 443.
Tarvit-Gontar', I A , Maksimova, V S - Experience in the eradication of a focus of tick-borne spirochetosis p 447
Shevkunova, E A , Generalova, Z.N - Ways of eliminating Toxoplasma from the body of an infected animal p 451
Kramar, J - Use of the fluorescent antibody method in the serological diagnosis of toxoplasmosis p p.454
Gofman-Kadoshnikov, P B., and others. - Role of the nine-spined stickleback in the dissemination of diphyllobothriasis p.460
Gadzhei, E F - Migration of flies under urban conditions p.465.
Pospelova-Shtrom, M.V., Marfina, L L - Biology of the pigeon tick Alectorobius (Alectorobius) coniceps (Can.), 1890 p 468
Pchelkina, A A - Effect of Argasidae and Ixodidae tick bites on the blood of rabbits p 473
Nabokov, V A , Sadovnikov, A I , Uspenskii, I V - Use of a granulated type DDT preparation in the control of the vectors of tick-borne encephalitis p.476
Odintsov, V S. - Water and sandblasting method of controlling larvae of bloodsucking midges (Diptera, Simuliidae) p 481.
Krotov, A.I. - Biochemistry of the ascarids; a review of literature p 483
Bugianishvili, Sh.M , Machavariani, A S , Kvachadze, V M - Naphthamon treatment of necatoriasis *p.486.*
Bereslavich, T.N - Case of strongyloidiasis in Rostov Province based on data of the clinic of the Rostov Institute of Parasitology p 488
Luk'ianov, V I. - Unusual case of invasion of man by Ascaridia galli p 489.
Panteleeva, N K - Some results of the work of a helminthological day infirmary. p.490
Lukashenko, N.P , Brzheskii, V V - Natural foci of trichinosis and alveococcosis on the Yamal Peninsula. p.492
Mirzoian, N.A. - Review of R S.Gershenovich's book "Leischmaniasis of the viscera in children " p 493
Dukhanina, N.N. - Soviet literature on problems of medical parasitology and parasitic diseases published in 1963 p 495
Gritsai, M K , Kliushkina, E A , Miretskii, O IA - Fourth Crimea Province Conference of Parasitologists. p.504
Prisiagina, L - First Scientific Conference in Leningrad on the Problems of medical geography. p.504
Danilovich, B.A. - Third Scientific and Practical Conference of Moscow City Sanitary and Epidemiological Station for Problems of Parasitology p 506.
Khromov, A.S., Abramova, I.G. - Scientific Conference of the Dushanbe Institute of Epidemiology and Hygiene p.509.
Mukvoz, L.G. - "Day of the Parasitologist" in Zaporozh'ye Province. p.510.
(DNLM)

***MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.7, *no.9, Sep. 1962.*

Table of contents translated·

TSybul'skii, B.A. - Introduction to the symposium p.5.
Kozlova, A.V. - Radiation therapy of nontumorous *diseases. p.7*
Mozharova, E.N., and others - Radiation therapy of nontumorous diseases and prospects for its evolution. p.12.
Krongauz, A.N. - Dosimetric characteristics of radiation of nontumorous diseases. p.17.
Discussion. p.19.
Pereslegin, I.A. - Role of radiation therapy in acute and chronic inflammatory diseases. p.28.
Moskacheva, K.A. - Is radiation therapy necessary in contemporary treatment of tuberculosis of various localizations in infants? p.32.
Discussion. p.36.
Arievich, A.M , Bezzabotnov, A.S. - Current state of using roentgenological epilation in the treatment of patients with mycoses of the scalp p.42.
Peresleni, N.A. Karibov, IU.I., Zil'bergol'ts, M.L. - X-ray therapy of chronic eczemas and neurodermatitis. p.48.
Braitsev, A.V., Bezzabotnov, A.S. - Effect of radioactive isotopes in some dermatoses. p.51.
Discussion p.55.
Gal'perin, M.D. - Radiation therapy in nervous diseases. p.62.
Discussion. p.68.
Khavin, I.B. - Radiation therapy in thyrotoxicosis p 71.
Discussion. p.76.

Recommendations of the symposium regarding the problem of radiation therapy of nontumorous diseases p 91
(DNLM)

Vol 8, no 12, Dec. 1963
Table of contents translated:
[illegible], F B., Turbina, N S - Combined treatment of chronic myeloid leukosis and lymphogranulomatosis with aurantin and X-rays p 3
[illegible], A M, Tolstukhova, L I - Treatment of thyrotoxicosis with radioactive iodine p 9
[illegible], V M - Some indices of the blood system during treatment of thyrotoxicosis with J^{131} p 13.
Il'din, I A - Saliva-iodine-thyroid test in the diagnosis of the functional state of the thyroid gland p.16
[illegible], V N., [illegible], T P. - Determination of protein-bound iodine in thyrotoxicosis treated with radioactive iodine p 21
Baisogolov, G.D - Pathogenesis of changes in the blood system in chronic irradiation p 25.
Petrovnin, M G - Effectiveness of the early use of an artificial kidney in a lethal affection of dogs by incorporated Sr^{90} p 31
Perepelkin, S R - Changes in gastric secretion in peroral administration of radioactive sodium p 38
Il'in, L A, and others - Effect of complex-forming substances on the magnitude of the tissue dose of radiation in the kidneys following administration of radioactive substances. p 43.
Klarvat, Z, Shmagel', IU - Investigations of the regeneration of vessels in a skin wound as an objective method of evaluation of the changes in the healing process following X-ray irradiation p 47
Dumova, A.M, Chirkova, O O. - Experimental data on the increase of resistance in rats to radiation sickness following preliminary administration of tetracyclines. p 50
Fufanov, V.I, Kravchenko, A.T - Investigation of the possibility of producing immune serums easing the course of radiation sickness in experimental animals p 55
Malykhin, V M. - One of the possibilities of using the theory of tolerance limits in radiobiological experiments p 60
Shatalova, A A., Meerov, G.I - Possibility of testing radiochemical purity of preparations by the radioenzymic method p 62.
Skoropad, IU D - Dosimetric gel systems and their importance in radiobiology p 65
Shifrin, S S. - Brief survey of a German journal of roentgenology and nuclear medicine for 1962 p 70.
Gus'kova, A.K - Review of "Radium research project, the epidemiological follow-up of the New Jersey radium dial painters " p 78.
Zhuravlev, V F, Petrovich, I K. - Review of the collection of papers "Materials on the toxicology of radioactive substances." p.81.
Balmukhanov, S B. - Annual Congress of the Society of Radiologists of North America. p.84
Index of articles published in the journal "Meditsinskaia radiologia" in 1963. p 87
(DNLM)

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, Razdel [Section] 1, vol.8, no 8, Aug 1964. Razdel [Section] 2, vol.8, no.8, Aug 1964. Razdel [Section] 3, vol 8, no.8, Aug 1964 Razdel [Section] 4, vol 8, no 8, Aug. 1964. Razdel [Section] 5, vol 8, no 8, Aug. 1964. Razdel [Section] 6, vol.8, no.8, Aug 1964 Razdel [Section] 7, vol 8, no 7, July 1964 Razdel [Section] 8, vol 7, nos.1-4, 7-8, 11, Jan -Apr , July-Aug , Nov 1963, vol 8, no 7, July 1964 Razdel [Section] 9, vol.8, no.8, Aug 1964 Razdel [Section] 10, vol.8, no.8, Aug. 1964 Razdel [Section] 11, vol.8, no 8, Aug. 1964. Razdel [Section] 13, vol 8, nos.8-9, Aug.-Sep. 1964

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia and Akademiia nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no.7, July, 1964.

PROBLEMY TUBERKULEZA [PROBLEMS OF TUBERCULOSIS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.42, no.1, 1964.
Table of contents translated:
Mitinskaia, L.A. - Local reactions in intradermal revaccination. p.3.
Ganago, F.M. - Chemoprophylaxis of tuberculosis in children and adolescents in loci of tuberculous infection. p.6.
Akopian, I.M. - Experience in control of tuberculosis. p.12.
Feofilov, G.L., Perel'man, R.M., Khramova, L.P. - Bronchological examination of children with chronic pulmonary tuberculosis. p.16.
Kosova, N.IA., Shulaeva, Z.A. - X-ray and bronchoscopic parallels in the clinical aspects and diagnosis of tracheal and bronchial tuberculosis. p.22.
Gol'dshtein, V.D., Kurakov, P.I., Shtern, M.I. - Broncho-nodular perforations in tuberculosis. p.28.
Guzeev, IU.M. - Effectiveness of different methods of endobronchial therapy in the complex treatment of patients with bronchial and pulmonary tuberculosis. p.34.
Simeonov, M.N. - Study of the absorption, concentration in the blood and excretion in the urine of the Bulgarian antitubercular preparation INHA-17. p.39.
Chefranov, V.S., Klebanova, A.A. - Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. p.44.
Astrova, E.A. - C-reactive protein in tuberculous children. p.49.
Linskaia, L.E. - Characteristics of the course of silicotuberculosis. p.51.
Sytenko, V.B. - Transfemoral aortography in renal tuberculosis. p.54.
Vorob'eva, I.I. - Physical culture therapy in the clinical aspects of pulmonary tuberculosis. p.57.
Blokhin, N.N., and others. - Some physicochemical, biochemical and cytological changes in the synovial fluid of tuberculous synovitis patients. p.64.
Kasab'ian, S.S. - Histochemical characteristics of glycogen and acid mucopolysaccharides in tuberculous nodules and exudative foci. p.69.
Volegov, A.I., Smurova, T.F. - Functional state of the nervous system in diabetes mellitus and pulmonary tuberculosis patients according to electrophysiological examination. p.73.
Diukanova, M.IA. - Morphological changes at the tuberculin reaction site in vaccinated and nonvaccinated animals. p.80.
Shelekhova, Z.P. - Foreign bodies in the bronchi. p.86.
Rizhinashvili, M.D. - Some problems in the treatment of pulmonary tuberculosis patients in the "Sosnovyi Bor" Sanatorium. p.88.
Gnezdilova, E.A., Baziuk, M.T., Gorchakova, N.E. Urine color sediment reaction in determination of the activity of tuberculous changes in the lungs. p.89.
Sorkin, I.E. - Review of the activity of the international symposium on the effectiveness of antibacterial treatment of tuberculosis with the basic preparations. p.91.
(DNLM)

REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIIA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.8, Aug. 1964.

RUSS
ne
ist
Moscow, vol. [illegible], no. [illegible], July-Aug. [illegible]
Table of contents translated:
Zhdanov, D A. - The state of and measures for the development of basic medical and biological research in the higher medical schools of the R.S F.S R. p.3.
Bekhtereva, N.P., Usov, V.V - Some aspects of the use of electroencephalography in medical scientific institutions of the R.S.F.S.R. p.14
Freidlin, S.IA. - Research on the organization of public health service in the First Leningrad Medical Institute. p.21.
Rozenblat, V.V., Vorob'ev, A.T. - Electronics laboratory in the service of sports medicine. p 24.
Smol'ianinov, V M. - Shortcomings in planning the training of doctors of medical sciences. p.28.
Plenum of the Scientific Medical Council of the Ministry of Health of the R.S.F S.R. p.31.
Resolution of May 17-19, 1962 passed by the Plenum of the Scientific Medical Council of the Ministry of Health of the R S.F S.R.: "New medical and biological concepts in etiology and pathogenesis being developed in the medical institutions of the Ministry of Health of the R.S.F.S.R." p.34.
In the Presidium of the Scientific Medical Council of the Ministry of Health of the U.S.S.R. p.38.

SOVETSKOE MEDITSINSKOE REFERATIVNOE OBOZRENIE. VNUTRENNIE BOLEZNI [ABSTRACTS OF SOVIET MEDICAL LITERATURE: INTERNAL DISEASES]. Published by Gos. izd-vo meditsinskoi lit-ry [State Publishing House of Medical Literature]. Moscow, no.20, 1955.
(DNLM)

SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol 23, no.7, 1964
Table of contents translated:
Skvortsov, V.V. - Decrease and eradication of infectious diseases throughout the land. p.3.
Kriuchkova, V.A., Merman, M.M. - Improving the dissemination of medical and hygienic knowledge. p.7.
Kakurin, L.I. - Some problems of the medical aspects of manned space flights. p.13.
Gurvich, S.S. - Dialectic materialism constitutes the methodological basis of medical science. p.16.
Lisitsyn, IU.P. - Human ecology and the modern theory of social Darwinism. p.21.
Al'tshuler, N.S. - Immediate tasks of the dissemination of knowledge concerning the control of tuberculosis. p.30.
Aizinbud, IU.I. - Organization of safety and sanitary inspection at new construction sites. p.34.
Sokolov, I.S. - Sanitary activist group. p.37.
Kaneps, V. - Role of sanitary activist group in resolving problems facing the public health service. p.40.
Evstigneeva, V.N., Meerson, S.I., Shargorodskii, T.I. - Public representation council in action. p.44.
Garbuz, O.V., Khutoranskii, M.D. - Sanitary education at the Chelyabinsk Metallurgic Plant. p.48.
Derlapa, N.R. - Medical service of intracontinental expeditions in the Antarctic. p.50.
Orlova, G.I. - Data on the physical development and incidence of diseases of children in Katanga District, Irkutsk Province. p.55.
Dzhagmmadze, Sh.V. - Effect of production and seasonal factors on the incidence of disease among the population of subtropical western Georgia. p.59.
Lavrik, S.S. - Some problems of the development of free donations of blood in the Ukraine. p.62.
Levit, M.M. - What zemstvo medicine accomplished and what it was unable to accomplish; on the centennial of zemstvo medicine. p.65.
Strashun, I.D. - Moscow University and the zemstvo; period between the 8th and 18th congresses of Moscow zemstvo physicians. p.70.
Lotova, E.I. - Sanitary and epidemic state of the country in the years of the First World War (1914-1917). p.76.
Kvitnitskii-Ryzhov, IU.N. - Medical section of the Ukrainian soviet encyclopedia. p.80.
Significant and anniversary dates in the history of medicine to be observed in 1965; events and discoveries. p.83.
Legon'kii, I.G. - Review of M.E. Poliakova's book "Concern for the health of virgin land farmers, medical and sanitary service in the region of reclaimed virgin lands in Omsk Province." p.86.
Novskii, V.A. - Review of Z.N. Zamkova's book "Bibliography in the scientific and practical work of a physician." p.87.
Rafes, IU.I. - Review of Tadeusz Kielanowski's book "Propedeutics of medicine." p.89.
Lekarev, L.G. - Professor S.S. Kagan; on his 70th birthday. p.90.
Riabov, G.Z. - Moscow Scientific Historicomedical Society in 1963. p.91.
Mikhelkin, V.IA. - Report on the work of the Section for the Organization of Public Health Service and Sanitary Statistics of the Leningrad Division of the All-Russian Scientific Society of Hygienists and Sanitary Physicians for 1963. p.94.
Stegunin, S.I. - Scientific Medical Society of the Organizers of Public Health Service. p.96.
Vasil'ev, K.G. - Information on the work of the Latvian Scientific Historicomedical Society during 1963. p.99.

SOVETSKOE ZDRAVOOKHRANENIE KIRGIZII [SOVIET HEALTH SERVICE OF KIRGHIZIA]. Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirghiz S.S.R.]. Frunze, no.6, Nov.-Dec. 1963.
Table of contents translated:
Dobrova, S.M. - Measurements of the ocular fundus in hypertension. p.3.
El'kin, M.A., Tikhomirova, F.P. - Rupture of the ovary and acute appendicitis. p.9.
Grinshtein, B.IA. - Data of electrocardiographic and ballistocardiographic examinations of the inhabitants of medium-altitude and high-altitude regions of the Pamirs. p.13.
Kaliuzhnyi, I.T. - Functional state of the thyroid gland and the blood in patients with peptic ulcers. p.19.
Romanenko, A.G. - Combined treatment of Cystitis in polyclinics. p.23.
Vainbaum, IA.S., and others. - Reaction with diphenylamine as an indicator of the activity of the rheumatic process. p.28.
Astapova, M.E. - Diagnosis of hiatal hernias. p.31.
Morozova, N.N., Troshina, E.D. - Effect of the mineral water of the Issykata Health Resort on the secretory function of the stomach in gastritis with different degrees of acidity. p.35.

[illegible], M.B., Kononov, V.G. - Expedient operative access to the spleen. p. 38

Chernobrov, P.R. - Mortality due to cardiovascular diseases and its influence on the life span and average longevity of the urban population of Kazakhstan. p. 41

[illegible], I.S., [illegible], N., [illegible], S. - Average longevity of the population of the Kirghiz S.S.R. p. 45.

[illegible], G.A. - Traumatism in workers of animal husbandry in Alamedin District, Kirghiz S.S.R. p. 49

[illegible], R.A. - Indices of the physical development of children of preschool age in Frunze. p. 51

[illegible], IU.I. - Physical development of school children in Dzhalal-Abad, Kirghiz S.S.R. p. 54

Odarych, T.S., Moskalenko, V.G. - Vascular suture of a brachial artery in an infected wound. p. 58.

[illegible] All-Union Scientific Conference of Medical Historians. p. 60.

Table of contents of the journal "Sovetskoe zdravookhranenie Kirgizii" for 1963. p. 62

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by [illegible] Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 9, no. 3(100), Apr. 1964 [In Lithuanian] (MIRA [illegible])

UROLOGIIA [UROLOGY]. Issued by Ministerstvo zdravookhraneniia [illegible] [Ministry of Health of the U.S.S.R.]. Moscow, no. 1, 1964.

Table of contents translated:

Pytel', A.IA., Goligorskii, S.D. - Water-electrolytic disorders of metabolism in urological diseases. p. 3.

[illegible] IAsenskii, A.M. - Fate of the patient with nephrolithiasis of a solitary kidney. p. 11.

[illegible], I.M., Artem'ev, N.A., Voskresenskaia, G.A. - Flagyl in the treatment of trichomoniasis in males. p. 15.

Nguen [illegible], Nguen Me. - Ileopyeloplasty and sigmoidopyeloplasty. p. 18.

[illegible], V.M., Vol'pian, E.I., [illegible], N.N. - Experimental enteroplasty of the urinary bladder. p. 22.

[illegible], V.N. - Analysis of mortality in adenoma of the prostatic gland. p. 26.

[illegible], A.M. - X-ray diagnosis of stress urinary incontinence in women. p. 29.

[illegible], K. - Functional urinary incontinence and its treatment. p. 32.

[illegible], I.D. - Clinicomorphological characteristics of spermatozoal granuloma of the epididymis. p. 34.

[illegible], N.F. - Methodology and technique for the puncture of ductus deferens in genital radiography. p. 38.

[illegible], Vaclav. - Treatment of cancer of the urinary bladder with radioactive gold. p. 43.

[illegible], D.I., Marusev, E.A. - Late results of the treatment of tumors of the urinary bladder. p. 46.

[illegible], V.M. - Late results of ureteroileocystoplasty. p. 50.

[illegible], A.F. - Intraparenchymatous solitary cyst of the kidney. p. 51.

Aleksandrovich, G.T., Monturina, IK. - Some characteristics of the clinical course of isolated subcutaneous rupture of the ureter. p. 52.

[illegible], N.P. - Fibrolipomyoma of the urachus. p. 54.

[illegible], R.A. - Malacoplakia of the urinary bladder. p. 55.

[illegible], I.I. - "Forebladder", an anomaly of the urinary bladder. p. 56.

[illegible], V.V. - Single-stage plastic surgery on the skin of the scrotum and penis in Fournier's disease. p. 57.

[illegible], D.S. - Treatment of impotence by transplantation of the testis on a vascular flap. p. 58

[illegible], L.I., Kushch, N.L., Sviridov, A.IU. - Malignant tumors of the testis in children. p. 60.

[illegible], A.S., Pytel', IU.A. - Cineroentgenography in urology. p. 62. (MIRA [illegible])

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 8(79), Aug. 1964. [In Latvian]

VOENNO-MEDITSINSKII ZHURNAL [JOURNAL OF MILITARY MEDICINE]. Issued by Voenno-meditsinskoe upravlenie Ministerstva oborony SSSR [Military Medical Administration of the Ministry of Defense of the U.S.S.R.]. Moscow, no. 1, 1963.

Table of contents translated:

[illegible], A.A. - Decree of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. on the improvement of military medical service. p. 8

Gvaz'ava, E.R. - Socialist competition in the military hospital. p. 10.

Poliakov, L.E. - Health of servicemen and methods of its study. p. 13.

Voloshina, O.A. - Some problems of military medical statistics. p. 16.

Meshkov, V.V., Zhulin, V.A. - Organization of medico-evacuation measures during a motorized infantry attack. p. 22.

Sholtis, V.N. - Problem of general chilling (freezing) of humans, a review of the literature. p. 29.

Dembo, A.G. - Pathological and prepathological conditions in sports activities. p. 34.

Zakrzhevskii, E.V., Alekseev, G.I. - Some principles of treating acute radiation sickness, a review of the literature. p. 39.

Saksonov, P.P., and others. - Characteristics of the action of drugs in acute radiation sickness, a review of the literature. p. 44

Barbolin, V.I. - Use of sulfanilamides and antibiotics in acute radiation sickness. p. 50.

Gorbachko, K.V., and others. - Characteristics of and influenza outbreak among garrison personnel. p. 54.

Shura-Bura, B.L., Tararin, R.A. - Organization of rat eradication among troops in stationary quarters. p. 58.

Arutiunov, G.A., and others. - Effect of flying in supersonic aircraft on metabolism in the body of an aviator. p. 60.

Buznik, I.M. - Content and methods of medical control of the nutrition of flying personnel. p. 64.

Golubchikov, P.M. - Results of the study of the functional conditions of the central nervous system in ship radar operators. p. 70

Shilago, I.M. - A surgical kit for submarines. p. 74

Stogov, IU.N. - Use of the medium GT-S tracked personnel carrier for the evacuation of wounded. p. 76.

Gol'dfel'd, M.A. - A method of rapid unfolding of the UST 41 and USB 41 tents. p. 77.

Dzhaparov, I.V. - Results of a dispensary observation on patients with otorhinolaryngological diseases and their treatment in the unit. p. 79.

Orlov, K.F. - From the results of the work of military physicians in the prevention of infectious diseases. p. 82.

Ignat'ev, A.D. - An apparatus for the mechanical agitation of blood in mixtures. p. 91.

Sokolov, M.P. - Equipment for the disinfection of sea water. p. 91

Lieutenant General P.A. Kupriianov, medical officer and professor, on the 70th anniversary of his birth. p. 93.

VOLGOGRAD. MEDITSINSKII INSTITUT. Sbornik nauchnykh rabot studentov [MEDICAL INSTITUTE. Student Papers] No 1, 1960.

Table of contents translated:

Samusev, R.P. - Esophageal arteries in vertebrates. p. 4.

Samusev, R.P. - Esophageal veins in some vertebrates. p. 12.

Khramov, V.A. - Pulmonary lipoproteins. p. 19.

Luk'ianenko, IU.I., Stepanchenko, B.V. - Ballistocardiographic study of circulation in sportsmen in relation to their training capacity. p. 25.

Zosulia, G.G. - Effect of stimulants increasing the resistance of the nervous system under low barometric pressure. p. 31.

Sandler, N.Kh. - Effect of a damp thermal treatment of meat on the content of cholesterol and phosphatides in the meat and its broth. p. 37.

Kozhevnikova, L.V. - Electrogastrogram depending on the nature of the irritant. p. 44.

Zgural'skii, IU.E., Petrusheva, N.A. - Some changes in the respiration, cardiovascular system, morphological composition of the blood, and the temperature reaction in dogs during thermal irritation of the gastric mucosa. p. 50.

Liashenko, N.I., Gordeev, G.V. - Morphological changes in the diaphragm in peritonitis. p. 60.

Mindlina, M.A. - Vascular obliterating disease according to materials of the faculty's surgical clinic of the Volgograd State Medical Institute. p. 66.

Dunaitsev, D.A. - Traumatic lesions of the kidneys according to materials of the faculty's surgical clinic. p. 73.

Bazykina, S.K. - Treatment of mastitis by antibiotic injections. p. 79.

Khlustin, N.I., Shishliannikov, A.IA. - Treatment of eye burns with subconjunctival injections of autoblood and penicillin. p. 88.

Sulimov, M.I. - Changes in the cerebrospinal fluid in cases of brain tumors. p. 94.

IAkovleva, N.A. - Study of the hydrophilia skin test in schizophrenia in connection with insulin treatment. p. 97.

VOPROSY RENTGENOLOGII I ONKOLOGII [PROBLEMS OF ROENTGENOLOGY AND ONCOLOGY]. Issued by Erevanskii institut rentgenologii i onkologii [Erivan Institute of Roentgenology and Oncology]. Erivan, vol. 7, 1963.

Table of contents translated:

Fanardzhian, V.A. - Some problems in the X-ray diagnosis of duodenal ulcer. p. 7.

Fanardzhian, V.A., Danielian, Gr., A. - X-ray diagnosis of duodenal cancer. p. 17.

Khanbabian, B.B. - Characteristics of functional changes in the stomach and duodenum in peptic ulcer and cholecystitis. p. 20.

Oganesian, S.A. - Observations on perverted respiratory mobility of the bronchi. p. 30.

Kiandarian, K.A., Eolian, S.L. - Effect of fluorine on the respiratory and cardiovascular systems. p. 45.

Rabkin, I.Kh., Grigorian, E.A. - Study of the effectiveness of the results of mitral commissurotomy. p. 53.

Arabei, I.L. - X-ray method in the study of hemodynamics and other indices in cardiovascular diseases. p. 63.

Kherobian, F.A., Nagapetian, L.S. - Diagnosis of giant-cell tumors (osteoblastoclastomas) of the jaw. p. 75.

Bagdasarian, M.G. - Tomographic data in complicated otitis. p. 83.

Arustamian, S.A. - Asymmetry and anomaly of the roots of the vertebral arches in an X-ray image. p. 91.

Arustamian, S.A. - X-ray picture of the roots of the vertebral arches in hemangiomas. p. 101.

Tatarian, A.O., Nagapetian, L.S. - Combined contrast in X-ray studies of the urinary bladder. p. 111.

Grigorian, G.T., Adamian, A.G. - X-ray therapy of chronic tonsillitis. p. 115.

Grigorian, G.T., Pogosian, R.G., Adamian, A.G. - X-ray therapy of skin cancer of the eyelids and ocular angles with low-voltage irradiation. p. 121.

Vardanian, K.A. - X-ray diagnosis of chronic appendicitis in children. p. 131.

Khachatrian, V.A. - Apparatus for contrast study of the large intestine. p. 139.

Papoian, S.A., Demirchoglian, I.G. - Problem of heterotransplantation of tumors in man. p. 145.

Papoian, S.A. - Some problems in the resistance of tumors to chemical preparations. p. 155.

Movsesian, M.A. - Change in arterial pressure during hemorrhage in irradiated animals. p. 163.

Papoian, S.A., Breivis, P.V. - Effect of ferrocene on the hemopoiesis in rats; preliminary data. p. 177.

Movsesian, M.A. - Changes in the circulating blood volume in irradiated rabbits and their resistance to blood loss. p. 183.

Mailian, E.S. - Changes in the respiration center in rabbits suffering from acute radiation sickness. p. 193.

Shukurian, S.G. - Tissue respiration in combined radiation effect. p. 199.

Shukurian, S.G. - Role of lipid peroxides in the mechanism of radiation effect on the background of chloroprene intoxication. p. 205.

Movsesian, M.A., Barkhudarian, L.Kh. - Change in the quantity of sugar in the blood of irradiated animals in fatal bloodletting. p. 213.

Barkhudarian, L.Kh. - Effect of adrenaline on the blood sugar level in animals suffering from acute radiation sickness complicated by hemorrhage. p. 219.

Magakian, A.G. - Changes in the absorptive function of the reticuloendothelial system in acute radiation sickness complicated by hemorrhage. p. 227.

Papoian, S.A. - Scientific research work in experimental oncology and chemotherapy of tumors in the U.S.A.; impressions from a trip to the U.S.A. p. 233.

Fanardzhian, V.A., Danielian, Gr.A. - X-ray studies in tumors of the pancreas. p. 245.

Fanardzhian, V.A., Arzumanian, G.A., Danelian, G.A. - Detection of tumorous cells in the blood of patients with cancer. p. 257.

Danielian, G.A., Airapetian, L.N. - Experience in the use of mechanical suture apparatus. p. 273.

Danielian, G.A., Ovanesian, O.A., Adamian, A.A. - Nonspecific inflammatory "tumors" simulating true tumors. p. 281.

Arzumanian, G.A., Dalan, O.A., Arutiunian, L.O. - Diagnosis of lung cancer by the cytologic study of sputum. p. 289.

Danielian, G.A., Sarkisian, E.Kh. - Value of palliative operations in cancer of the gastro-intestinal tract and the pancreas. p. 297.

Atanasian, S.S. - Pathogenic role of the mammary gland secretion. p. 305.

Kazarian, G.A., and others. - Clinical aspects and diagnosis of struma nodosa subjected to malignization. p. 311.

[illegible]

[illegible], M. F. - [illegible] simulating [illegible] p. 321.

[illegible], M. A. - [illegible] pancreatectomy. p. 3[illegible]

[illegible], S. A. - Clinical aspects and treatment of [illegible] esophageus p. 331.

[illegible], G. A., Paraz[illegible], Sh. A. - Comparative [illegible] studies of tumors [illegible]

[illegible], T. D., Arutiunian, G. A., Dorosienko, [illegible] cancer of the cervix [illegible]

[illegible]arian, A. A. - Chief statistical characteristics [illegible] in the Armenian S. S. R. [illegible] to materials of the Institute of [illegible] and Oncology in the Armenian S. S. R. [illegible] 1950-1960. p. 357.

[illegible], A. A., A[illegible]unian, A. G. - Treatment of [illegible] p. 3[illegible]

[illegible] collaborators of the [illegible] of [illegible]ology and Oncology of the [illegible] of Sciences of the Armenian S. S. R. and [illegible] of roentgenoradiology of the [illegible] Medical Institute published in 1962. p. 371.

[illegible] illustrations to the articles. p. 375.
(DNLM)

ZDOROV'E [HEALTH]. Issued by Ministerstvo zdravookhraneniia SSSR i RSFSR [Ministries of Health of the U. S. S. R. and the R. S. F. S. R.]. Moscow, vol. 10, no. 8(116), Aug. 1964.

ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE OF WHITE RUSSIA]. Organ of Ministerstvo zdravookhraneniia BSSR [Ministry of Health of the White Russian S. S. R.]. Minsk, vol. 10, nos. 7-8, July-Aug. 1964.

ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R. S. F. S. R.]. Moscow, vol. 8, no. 1, Jan. 1964.

Table of contents translated:

[illegible] should be paid to the study, generalization and publicity of advanced work practices p. 3

[illegible], V. A., [illegible], G. IA., Efremov, V. V. - Organization of the disinfection service in Leningrad. p. 5.

S[illegible], M. A. - Work of the radiological groups of sanitary-epidemiological stations. p. 9.

Gu[illegible], F. R. - Results of the struggle with medical errors. p. 13.

S[illegible], V. K., Rotachev, V. O. - Organization of anesthesiological service. p. 15.

Fazetdinova, F. G. - In a locality of endemic goiter, the physical development of children depends on the state of the thyroid gland. p. 16.

Turoverova, N. I. - Total incidence (occurrence) of diseases of female sexual organs. p. 18.

Fotel'nikova, M. P. - Incidence of disease among the workers of a chemical combine causing a temporary loss of their working capacity. p. 22.

Baranova, V. P. - Method of determining the population's requirements in aid for the correction of speech disorders. p. 25.

Kabanovskii, A. N., Simonov, V. A., Eleinik, V. L. - Work training of students of the fourth course. p. 27.

Suvorova, K. N. - Public health service in Yemen. p. 30.

Isakina, V. N. - Processing inventory data of medical institutions. p. 34.

Bednyi, M. S. - Review of S. IA. Freidlin's 'Course of lectures on the organization of public health service.' p. 38.

Matul'skii, I. G., Adamova, N. M. - Improving the system of financing polyclinics. p. 41.

Kharin, IU. M. - Dispensary care of patients in a non-consolidated polyclinic. p. 42.

[illegible]harov, F. I. - In the Board of the Ministry of Public Health of the R. S. [illegible]. S. R. p. 45.

Work of the journal "Zdravookhranenie Rossiiskoi Federatsii" in 1964. p. 47.

Vol. 8, no. 7, July 1964.

Table of contents translated:

Pokrovskii, S. N., Leizerman, L. I., Goriacheva, L. K. - Current tasks in the control of helminthiases. p. 3.

Men'shikov, IU. F. - Distribution of diseases of the digestive organs on the Kola Peninsula. p. 6.

Shapiro, L. B., Vigand, V. S. - Organization of emergency medical aid in craniocerebral injuries. p. 8.

Khachik'ian, A. S. - Organization of specialized aid to the rural population under the new conditions. p. 10.

Luk'ianov, G. A. - Experience of surgeons in hospital unification for the control of industrial traumatism at the machine-tool plant in Gorkiy. p. 12.

Burshtein, I. A. - Implementation of the work of sanitary education at the Rostov-on-Don First Aid Station. p. 16.

Grinina, O. V. - Therapeutic and prophylactic service for the families of workers, according to continuous observation data. p. 18.

Ivanov, A. I. - Results of the work of the Central Scientific Research Laboratory. p. 21.

Belitskaia, E. IA., Ivanov, A. IA. - Scientific and practical aid rendered by the Medical Institute to public health agencies. p. 23.

Tiukina, A. P. - Vocational nursing training of students of medical institutes. p. 26.

Bednyi, M. S. - Methodological errors in the use of standardized indices. p. 29.

Isakina, V. N. - Statistical materials on the fundamental results of the development of the network of public health agencies and institutions, their personnel and activities at the beginning of 1964 p. 34.

Kuznetsov, V. G. - Treatment of acute colds in polyclinics and hospitals. p. 38.

Askalonov, A. A. - Results of the work of public representation councils in the medical institutions of Barnaul. p. 39.

Kitsis, G. N. - Once again about the cards of patients discharged from a hospital. p. 41.

Petrov, B. D. - Review of K. Gargov's book "Some modern social and hygienic problems." p. 43.

Eliseeva, T. N. - Review of I. I. Vishnevskaia and A. A. Sokolov's book 'Medical service for the rural population in the Kalinin Province Hospital." p. 45.

Kolosov, G. N. - Consultation on problems as to the work and salary of medical personnel. p. 47.

ZDRAVOOKHRANENIE TADZHIKISTANA [HEALTH SERVICE OF TAJIKISTAN]. Issued by Ministerstvo zdravookhraneniia Tadzhikskoi SSR (Ministry of Health of the Tajik S. S. R.]. Dushanbe, vol. 11, no. 4(60), 1964.

ZHURNAL EKSPERIMENTAL'NOI I KLINICHESKOI MEDITSINY [JOURNAL OF EXPERIMENTAL AND CLINICAL MEDICINE]. Issued by Akademiia nauk Armianskoi SSR [Academy of Sciences of the Armenian S. S. R.]. Erivan, vol. 4, no. 2, 1964.

Table of contents translated:

Aleksanian, A. M., Kipriian, T. K. - Effect of some substances on the transfer of stimulation from the nerve to the muscle. p. 3.

Vagramian, Z. A. - Investigation of the conduction of the stimulation impulse through the region of the bilateral hemisections of the spinal cord. p. 9.

Ovsepian, A. M. - Study of vascular conditioned and unconditioned reflexes during various phases of the higher nervous activity. p. 15.

Mnatsakanov, S. T. - Effect of cobalt chloride on the antibiotic sensitivity of Escherichia coli. p. 27.

Katanian, A. A., Oganesian, A. A. - Some biochemical indices in rheumatic carditis and their diagnostic importance. p. 31.

Kazarian, G. A. - Treatment of thyrotoxicosis with radioactive iodine. p. 39.

Megrabian, A. A., Arutiunian, R. K., Avakian, S. L. - Electrophysiological data on the disorder of the clarity of consciousness in epilepsy and symptomatic spasms. p. 47.

Zozulia, IU. A., Sergienko, T. M. - Clinical and experimental study of cerebral circulation in the dynamics of intracranial hypertension. p. 55.

Akhverdian, R. A. - Dilatation of an artery by surgical means. p. 67.

Aslanian, N. L. - Treatment of hypertension with aminazine. p. 79.

Filina, S. A., Pogosian, N. Kh. - Reaction of complement fixation as a test for toxoplasmosis in donors. p. 85.

Gasparian, K. T. - Functional state of the liver in hepatocholecystitis. p. 89.
(DNLM)

b GYNECOLOGY, OBSTETRICS & PEDIATRICS

AKUSHERSTVO I GINEKOLOGIIA [OBSTETRICS AND GYNECOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 39, no. 5, Sep.-Oct. 1963.

Table of contents translated:

IAkovlev, I. I. - Basic principles of the function of the "parturient" uterus. p. 3.

Tiuvaeva, V. A. - Characteristics of the contractile activity of the uterus in multiple pregnancy. p. 8.

Levinson, L. L., Davydov, S. N. - Therapeutic effect of anodic galvanization of the brain in prolonged pregnancy. p. 13.

Baksheev, N. S., Mikhailenko, E. T. - Dynamics of the content of the contractile protein actomyosin in the myometrium during various periods of pregnancy. p. 21.

Muzhnai, D. - Protein fractions in the human placenta; immunoelectrophoretic study. p. 26.

Rybalko, E. L. - Proteins in the placenta and blood serum in women in late pregnancy toxicoses. p. 32.

Niiazova, S. M. - Proteins in the blood serum in pregnancy toxicoses. p. 38.

Chirkovskaia, K. S. - Some biochemical indices in a study of the placenta in a case of intrauterine fetal death. p. 42.

Zubovich, V. K. - Content of free and bound vitamin B_6 in blood of the umbilical cord in normal and complicated pregnancy and labor. p. 44.

Lerner, E. L. - Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P. p. 47.

Bokova, L. B. - Characteristics of blood coagulation during and after labor. p. 51.

Parshina, L. A. - State of the blood coagulation system in pregnant women with nephropathies. p. 56.

Elizarov, N. N. - Some characteristics of the blood coagulation system in Botkin's disease during pregnancy. p. 61.

TSirul'nikov, M. S. - Some data on the role of fibrinogen in hemorrhages during labor and the early post partum period. p. 65.

Karlukina, A. T. - Forcing of the blood into the descending aorta in an agonal condition of a parturient. p. 69.

Tripol'skaia, N. A. - Some data on disorders of embryogenesis following changes in the body temperature of pregnant animals. p. 70.

Barkalain, A. I., Chernukh, A. M. - Possibilities of transplacental chemotherapy of the fetus with antibiotics from the tetracycline group. p. 74.

Umnova, M. A., Piskunova, T. M., Ichalovskaia, C. A. - Sensitization in pregnancy with the Kell group factor and the distribution of this factor. p. 79.

Antipova, E. V. - Efferent lymphatic vessels of the cervix uteri and ovaries. p. 82.

Gatsalov, M. D. - Lymphatic system of the mucous membrane of the human fallopian tube. p. 85.

Speranskaia, E. M. - Pathomorphological changes in the uterine wall following cesarean section. p. 90.

Tiurina, N. I. - Results of the histological study of the uterine wall in the cicatricial area after repeated cesarean sections. p. 97.

Slepykh, A. S., Gordeladze, A. S. - Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. p. 103.

Khrenova, V. G. - Uterine rupture. p. 110.

Mandel'shtam, A. E. - Urethroplasty and urethrocystorrhaphy in large urethral fistulas and urethral rupture. p. 112.

Ozerianskaia, A. I. - Surgical treatment of inflammatory tumors of the uterine adnexa. p. 117.

Mostalygina, E. G. - Use of adrenal cortex preparations in the treatment of inflammatory diseases of the internal female genitalia. p. 120.

Medvedev, A. IA. - Antishock fluid. p. 123.

Fainberg, V. B. - Partogram, a method of graphic representation of the course of labor. p. 126.

Rembez, I. N. - Use of lidase in the control of perineal injuries and anesthesia in the second period of labor. p. 128.

Matracaru, G. - Surgical treatment of cervical pregnancy with the aid of vaginal cervicotomy and hemostasis. p. 129.

Kozbagarov, A. A. - Modification of the suture in Sturmdorf's operation. p. 131.

Izotov, I. P. - Ventral fixation of the cervix uteri in prolapse associated with the prolapse of the vaginal wall. p. 132.

Dubnov, M. V. - Surgical treatment of pseudohermaphroditism in women. p. 134.

Pisarskaia, N. M. - Surgical treatment of old total perineal ruptures. p. 136.

Shnitser, L. IA. - Our experience in the treatment of vaginal fistulas. p. 138.

Vainberg, IA. - Cesarean section by Doerfler's technique with L. A. Gusakov's midification. p. 142.

Semenova, A. S. - New symptom of uterine rupture. p. 143.

Mashin, V. V., Lykov, G. P. - Spontaneous ruptures of the uterus during pregnancy. p. 144.

Shiflinger, L. E., Lykov, G. P. - Case of oncogenetic inversion of the uterus. p. 145.

Zagriadskaia, L. P. - Case of a hematoma of the generative tract. p. 146.

Berliant, I. I. - Case of a spontaneous rupture of the musculus rectus abdominis. p. 147.

Kalinovskaia, E. N., Bulanov, V. V. - Primary abdominal pregnancy in a patient with tuberculous spondylitis. p. 147.

Rubinshtein, V. IA., Ananich, L. V. - Incipient interstitial extrauterine pregnancy. p. 148.

Mazhbits, A. M. - Twenty-eight years after an operation transplanting the ureters into the intestine in inoperable puerperal fistula. p. 149.

Reznikov, L. IA. - Unusually large calculus of the left ureter simulating an ovarian tumor. p. 150.

Beskrovnaia, N. I., Brodskii, G. V. - Case of malignant degeneration of parovarian cyst. p. 151.

Federmesser, K. M., Shekhtman, M. M. - Adrenal gland insufficiency following cesarean section. p. 152.

Malinovskii, M. S. - Review of K. V. Chachava's book "Vacuum-extractor in obstetrics." p. 154.

Lel'chuk, P. IA. - Review of G. Flamm's book "Human prenatal infections." p. 156.

Vikhliaeva, E.M. - Review of H. Martius' book "On obstetric surgery, its execution and application" [in German]. p. 157.
(DNLM)

Vol. 40, no. 1, Jan.-Feb., 1964.
Table of contents translated:

Krylova, M.D. - Phage typing of staphylococci, a pathogen of infections in hospitals; review of literature. p. 3.

[illegible], V.I., [illegible], V.G. - Effect of pathogenic factors on permeability of the placenta for staphylococci. p. 8.

[illegible], N.G. - Prevention of suppurative infection in parturients and newborn infants with staphylococcal anatoxin. p. 11.

[illegible], A.V., and others. - Use of staphylococcal anatoxin in the treatment of mastitis. p. 17.

[illegible], A.I., Voskresenskii, B.V. - Use of staphylococcal anatoxin for prevention of suppurative diseases in puerperants and newborn infants. p. 22.

[illegible], I.N. - Puerperal mastitis and its clinical course under conditions of mass immunization with staphylococcal anatoxin, from data of obstetrical and surgical hospitals and polyclinics in Leningrad. p. 25.

[illegible], A.M. - Antitoxic antistaphylococcal immunity in puerperants and newborn infants in connection with their immunization with staphylococcal anatoxin. p. 27.

[illegible], N.G. - Phagocytic reaction in pregnant women and puerperants immunized with staphylococcal anatoxin. p. 32.

[illegible], I.P. - Dynamics of the changes in the content of γ-globulins in the process of immunization of pregnant women with staphylococcal sorbed anatoxin. p. 35.

[illegible], V.K., [illegible], M.A. - Course of pregnancy, labor and the puerperium in conditions of immunization with staphylococcal anatoxin. p. 38.

[illegible], I.V., [illegible], N.A. - Effect of immunization with staphylococcal anatoxin on the condition of newborns and infants during the first four months of life. p. 40.

[illegible], G.I., [illegible], N.K., [illegible], M.N. - Carrier state of pathogenic staphylococci in persons subjected to active immunization with staphylococcal anatoxin. p. 43.

[illegible], F.I. - Operation of exchange transfusion of blood in anaerobic sepsis. p. 45.

[illegible], N.S., Ivanov, I.P. - Determination of blood proteins in late pregnancy toxemias by [illegible] immunoelectrophoresis. p. 48.

[illegible], N.N. - Changes in the kidney glomerulus in nephropathy and eclampsia during pregnancy. p. 52.

[illegible], A.M. - Blood proteins and γ-globulin therapy in pregnant women with late toxemias. p. 54.

[illegible], N.P. - Oxyhemometric method of determining the activity of the course of oxidation-reduction processes in late pregnancy toxemias. p. 57.

[illegible], P.G. - Antigen properties of the blood serum and placental extracts in late pregnancy toxemias; experimental research. p. 64.

[illegible], M.I. - Use of pulsating electrical current (electrosleep) in the treatment of pregnancy toxemias. p. 69.

[illegible], I.I., [illegible], I.N. - Hypertension as a symptom of pregnancy toxemia. p. 75.

[illegible], N.P. - Arterial vessels of the placental portion of the uterus. p. 81.

[illegible], R.V. - Delivery using a vacuum extractor. p. 85.

[illegible], L.N. - State of the newborn following vacuum extraction determined by immediate and remote observations. p. 91.

Kalganova, R.I. - Experience with the management of labor in pelvic presentation. p. 96.

[illegible], V.I. - Content of catechol amines in the blood of patients during various periods of gynecological surgery under nitrous oxide anesthesia with muscle relaxants. p. 101.

[illegible], A.N. - Some indices of the blood coagulation system in women with a normal and disturbed menstrual cycle. p. 105.

[illegible], M.V. - Apropos of ozocerite treatment in sterility combined with other methods of conservative therapy under ambulatory conditions. p. 110.

Terent'eva, L.S. - Evaluation of diagnostic methods in hyperplastic processes in the cervix uteri. p. 113.

[illegible], I.F. - Clinical aspects, diagnosis and treatment of chorioepithelioma. p. 117.

[illegible], A.A. - Treatment of chorioepithelioma with large doses of estrogens. p. 121.

[illegible], I.V. - Metastases and recurrences in the vagina in uterine cancer. p. 124.

[illegible], N.I. - Photocolposcopy in the work of a gynecological center. p. 129.

Aksenova, O.N. - Height of the pelvis as an additional obstetrical measurement. p. 132.

[illegible], M.V. - Management of labor in face presentation of the head. p. 134.

Losiuk, V.S. - Abortion and excerebration with a vacuum extractor of Soviet construction. p. 135.

Mironenko, A.P. - Diagnostic significance of changes in the reaction of methylene blue discoloration in the treatment of late pregnancy toxemias. p. 136.

Galaeva, O.V. - Puerperal hematoma of the vulva and vagina. p. 137.

Burmistrov, M.I., Timchenko, P.K. - Uterine-abdominal fistulas. p. 138.

Khakimova, K.Kh. - Pregnancy in the rudimentary horn of the uterus. p. 139.

Rudik, A.B. - Extrauterine pregnancy according to data of the Ananyevo District Hospital in Odessa Province. p. 140.

Shadrov, E.V. - Spontaneous labour following Brock's operation on the heart. p. 141.

Il'kin, M.A., Zel'tser, M.I. - Rupture of the ovary in children. p. 141.

Pervozvanskaia, I.V. - Combined method of staining gynecological biopsies. p. 142.

Dal'lina, M.A. - Chorioepithelioma of the uterus in pregnancy. p. 143.

TSvel, S.M., Bokhman, IA.V. - Cancer of the vulva and pregnancy. p. 144.

Butov, I.I., Spivak, V.N. - Case of combined granulosa cell tumor of the ovary and adenocarcinoma of the uterus.

Mitaksa, S.I. - Defect in the development of the intestine in a newborn infant. p. 146.

Habunashvili, I.G. - Concerning N.S. Krepostniak's article "One more symptom of uterine rupture." p. 147.

Bobrov, M.P. - Concerning M.S. TSitul'nikov's article "Uterus preserving surgery in atonic hemorrhage." p. 147.

Brzheskii, V.Ch. - Letter to the editors. p. 148.
(DNLM)

MATERIALY K IZUCHENIIU ZHEN'SHENIA I DRUGIKH LEKARSTVENNYKH RASTENII DAL'NEGO VOSTOKA [MATERIALS FOR THE STUDY OF GINSENG AND OTHER MEDICINAL PLANTS OF THE FAR EAST], Issued by Dal'nevostochnyi filial Sibirskogo otdeleniia Akademii nauk SSSR [Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U.S.S.R.], Vladivostok, no. 5, 1963.

Table of contents translated:

Foreword. p. 3.

Brekhman, I.I. - Fundamental paths and problems in the study of medicinal plants of the Far East. p. 5

Shreter, A.I. - Some plants of the Far East holding out medicinal prospects. p. 13.

Vorob'eva, P.P. - Some problems of the agrotechnics of ginseng on a plantation with artificial plant shading. p. 29.

Grushvitskaia, M.K., Grushvitskii, I.V., Gutnikova, Z.I. - Implantation of the surface shoots and leaves of ginseng. p. 39.

Andreeva, I.S. - Dynamics of the reserve substances of ginseng during the vegetative period. p. 45.

Gutnikova, Z.I. - Range of ginseng cultivation. p. 53

Andreeva, I.S. - Anatomic and microchemical characteristics of the roots of ginseng from geographically distant regions. p. 63.

Mendiev, M.P. - Preliminary report on the results of the introduction of ginseng into the Zakataly National Forest of Azerbaijan S.S.R. p. 69.

Sokolov, A.I. - Growing ginseng on the northern boundary of the range (eastern slope of Sikhote-Alin'). p. 71.

Vorob'eva, P.P. - Effect of light of different intensity on the growth, development, productivity and photosynthetic activity of ginseng. p. 75.

Grinevich, M.A., Gutnikova, Z.I., Vorob'eva, P.P. - Effect of various growth conditions on the development of ginseng and on the biological activity of its root. p. 89.

Grinevich, M.A. - Biological standardization of galenicals from the roots of ginseng. p. 99.

Belen'kii, E.E. - Effect of caffeine, ginseng and dibazol on the work of proofreaders. p. 105.

Golikov, N.A. - Effect of the fluid extract from the roots of ginseng and phenamine on dynamic accommodation. p. 111.

Kolla, V.E., Belen'kii, E.E. - Comparative effect of the extracts of ginseng and carline thistle on the duration of forced swimming of white mice. p. 115.

Belen'kii, E.E., Kolla, V.E. - Increasing the resistance of the nervous system of white mice to the inhibitive effect of sodium bromide by the administration of ginseng, dibazol and carline thistle. p. 119.

Rosin, M.A. - Resistance-forming effect of ginseng, dibazol and proserine. p. 123.

Belen'kii, E.E. - Effect of ginseng and some other substances on the course of alcohol and hexenal anesthesia. p. 129.

Belen'kii, E.E., Kolla, V.E., Startseva, I.P. - Effect of ginseng and the long-leaf carline thistle on Sechenov's inhibition. p. 133.

Matiukhin, V.A., Matonskii, G.M. - Therapeutic effect of ginseng in chronic radiation sickness in white rats. p. 137

Mikushkin, M.K. - Effect of ginseng on the development of experimental atherosclerosis in rabbits. p. 143.

Goncharenko, I.P. - Effect of the fluid extract from the roots of ginseng on the level of arterial pressure in healthy people. p. 149

Gavrilov, K.I. - Effect of extractions from the roots of ginseng on protozoans and yeast fungi. p. 153.

Ginzburg, IA.Z. - Treatment of functional sexual disorders in men by the use of ginseng. p. 157.

Pavlishchuk, V.F. - Fluid extract from ginseng in a compound treatment of paradentosis. p. 163.

Ulatov, S.K. - Case of poisoning with a tincture from the roots of ginseng. p. 167.

Grushvitskii, I.V. - The family Araliaceae and some biological characteristics of its representatives. p. 173.

Suprunov, N.I. - Pharmacognostic study of plants of the ginseng family. Report No. 2. p. 193.

Suprunov, N.I. - Plants of the ginseng family as medicinal raw material. p. 201.

Bunkina, I.A. - Fungus diseases of plants of the ginseng family in the Maritime territory. p. 211.

Brekhman, I.I. - Comparative data on the pharmacological effect of the roots of ginseng, Eleutherococcus, Echinopanax horridus and Aralia mandshurica. p. 219.

Kucherenko, T.M. - Changes in conditioned reflex activity in dogs under the influence of Eleutherococcus. p. 229.

Golikov, P.P. - Effect of tinctures of the roots, stems and leaves of Eleutherococcus and ginseng on the mental work of man, a proofreading test. p. 233.

Medvedev, M.A. - Effect of ginseng and Eleutherococcus on the indices of the work of radiotelegraph operators. p. 237.

Shchichenkov, M.V. - Effect of fluid extracts of the roots of ginseng and Eleutherococcus on dark adaptation and visual acuity. p. 241.

Dardymov, I.V. - Effect of ginseng and Eleutherococcus on basal metabolism. p. 245.

Brekhman, I.I., Oleinikova, T.P. - Comparative data on the effect of ginseng and Eleutherococcus on artificially raised level of blood sugar. p. 249.

Shuliateva, L.D., Smolina, T.M., Stepanova, K.I. - Effect of preparations derived from some Far Eastern and Siberian medicinal plants on the appetite of experimental animals. p. 253.

Kolotilin, G.F., Boiko, S.N. - Increasing the resistance of the organism with preparations derived from Eleutherococcus. p. 257.

Kukarin, G.A. - Cases of poisoning with the tincture of Aralia mandshurica. p. 261.

Shilova, L.M. - Sexual dimorphism and pollination in *Schisandra chinensis*. p. 267.

Titlianov, A.A., [illegible], N.V. - Germination of seeds of Schisandra chinensis. p. 271.

Golovin, A.N., Golovina, L.A. - Clinical observations of the effect of electrophoretic administration of Schisandra preparations on the improvement of the visual function of the eye. p. 281.

Pavolotskii, Sh.I. - Phytoncide preparations derived from fir and their effect on a macro-organism. p. 287.

PEDIATRIIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 43, nos. 3-4, Mar.-Apr. 1964.
(DNLM)

VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MOTHER AND CHILD CARE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 9, nos. 6, 8-9, June, Aug.-Sep. 1964.

c. NEUROLOGY & PSYCHIATRY

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII PSIKHONEVROLOGICHESKII INSTITUT. Trudy [STATE PSYCHONEUROLOGICAL SCIENTIFIC RESEARCH INSTITUTE. Transactions]. Vol. 29, 1963. [Problems of the correlation of the psychic and somatic elements in psychoneurology and general medicine.]

Table of contents translated:

Lebedev, B.A. - Foreword. p. 3.

Fedotov, D.D. - Somatic and psychic problems in contemporary psychiatry based on a historical analysis. p. 7.

[illegible]

A[illegible] - P[illegible] of the "visceral [illegible]

A[illegible] [illegible] psychosomatic [illegible] p. 4[illegible]

[illegible] unity in clinico- [illegible] p. 61

[illegible] IA [illegible] of nervism and the [illegible] the light of therapeutic [illegible] p. 75

[illegible] A. S. - [illegible] trend in psychiatry p. 91

[illegible] P [illegible] specific reactivity of [illegible] p. 103

[illegible] N. P., Kra[illegible]-Mikhailova, K. V. - P[illegible] central genesis and the [illegible] p. 117

[illegible] F. - [illegible] of somato-cerebral disorders [illegible] other neuropsychic diseases [illegible] and immunological studies [illegible] 17

[illegible] I. A. - S[illegible] and psychic elements in [illegible] manic-depressive psychosis and [illegible] viscero-visceral interrelations [illegible] 14

P[illegible], I. A. - Endocrinologic problems in [illegible] p. 157

[illegible] I. N. - Psychogenic reaction in hyper- [illegible] patients and hypertonic psychoses p. 171

K[illegible], V. P. - Varieties of rheumatic phenomena [illegible] patients and the role of rheumatic fever in the genesis of some psychoses p. 181

M[illegible], V. N. - Interrelationship of the psychic and somatic elements in general and systemic [illegible] p. 193

[illegible], N. V. - Role of somatic reactivity in the formation of psychogenic reactions p. 205

Mas[illegible], E. V. - Role of somatic diseases in the pathogenesis of neuroses p. 215

M[illegible], S. S., Bogdanova, E. I. - Significance of the somatic link in the pathogenesis of psychogenic reactions in children p. 227

S[illegible], A. J. - Dynamics of psychosomatic interrelations in the development of neuroses with functional disorders of cardiac activity. p. 235

Telechevskaia, M. E. - Vascular hypotension and neuroses p. 247

Zachepitskii, R. A., IAkovleva, E. K. - Psychosomatic interrelations in sexual disorders in neurosis patients p. 257

Mar[illegible]heva, I. I. -Role of the somatogenic factor in the pathogenesis and course of neurosis and neurosis-like states p. 267

K[illegible]hlin, L. L. - Hypochondriac syndrome in diseases of the internal organs p. 281.

Bogolepov, N. K., Badalian, L. O. - Neuropsychic disorders in cardiac pathology. p. 295.

R[illegible]ahkov, V. P. - Effect of neuropsychic factors on the dynamics of arterial pressure in practically healthy persons and some groups of patients. p. 30[illegible]

Bulatov, P. K. - Higher nervous activity in bronchial asthma patients p. 317

Kas, G. S. - Correlation between the functional state of the cerebral cortex and tuberculosis p. 329.

Viktorov, I. T. - Tuberculosis and psyche p. 345.

Raskin, A. M., Liberman, L. L. - Role of male and female sex hormones in the origination and maintenance of the sexual instinct in women p. 359.

Zubareva, Z. P. - Psychopathological syndromes in malignant tumors of internal organs. p. 369.

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PSIKHIATRII. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF PSYCHIATRY. Transactions]. Moscow, vol. 40, 1963. [Problems of psychopathology and psychotherapy.]

Table of contents translated:

Foreword. p. 3.

Ivanov, N. V., Fedotov, D. D., Khodos, Kh. G. - In memory of I. S. Sumbaev. p. 3.

Sumbaev, I. S. - Classification of mental diseases and reactions. p. 15.

Sumbaev, I. S. - Disorders of the prognostic function in neuropsychic diseases. p. 23.

Sumbaev, I. S. - Factor of congenital predisposition in the structure of involutional paranoid. p. 41.

Korolenok, K. Kh. - Demarcation of illusions of memory and cryptomnesia. p. 49.

Korolenok, K. Kh. - Clinical and professional significance of illusions of the orientation in space. p. 55.

Rokhlin, L. L. - Differentiation of the states of hypochondria. p. 65.

Segal, B. M. - Alcoholism and pathology of the diencephalon. p. 80.

Gazin, R. Kh. - Effect of ethyl alcohol on the structure and content of dreams in chronic alcoholism and acute alcoholic psychoses. p. 100.

Gazin, R. Kh. - Dynamics of hallucinotic manifestations in acute alcoholic psychoses following the introduction of bromide. p. 109.

Rybalko, M. A. - Effect of magnesium sulfate on hallucinations in acute and chronic alcoholic hallucinosis. p. 118.

Averbakh, IA. K. - Some characteristics of the remission in alcoholism patients. p. 125.

Rybalko, M. A. - Effect of some pharmacological substances on delirious ideas in progressive paralysis. p. 134.

Segal, B. M., Fedotov, D. D. - Problems of the etiology and pathogenesis of schizophrenia in contemporary foreign literature. p. 141.

Akerman, V. I. - Problem of unrecognized schizophrenia. p. 162.

Belkin, A. I. - Characteristics of the clinical aspects and course of schizophrenia following a subtotal resection of the thyroid gland. p. 167.

Maksutova, E. L. - Characteristics of the psychopathological picture of schizophrenia developed in connection with influenzal infection. p. 182.

Dement'eva, N. F. - Factors promoting the genesis of schizophrenia in connection with psychogenia. p. 191.

Aleksandrovskii, IU. A. - Psychopathology of oneiroid catatonia treated with butyrophenones. p. 202.

Klimusheva, T. A. - Some characteristics of the dynamics of the Kandinskii-Clerambault syndrome in patients with the paranoid form of schizophrenia. p. 207.

Rybalko, M. A. - Speech incoherence in schizophrenia. p. 218.

Zeleva, M. S. - "Family schizophrenia" in its circular form. p. 227.

Shaibekova, F. A. - Influence of the age factor on the clinical aspects and course of the manic-depressive psychosis. p. 237.

Gazin, R. Kh. - Psychic changes in epileptic diseases (genuine epilepsy) and symptomatic epilepsy based on arachnoencephalitis. p. 245.

Gololets, R. G. - Problem of the genesis of obsessive states. p. 255.

Ivanov, N. V. - Activating psychotherapy in the neurosis of obsessive states. p. 260.

Lukomskii, I. I. - Place and forms of psychotherapy in the contemporary system of treating alcoholism. p. 275.

Belkin, A. I., Afans'eva, V. K. - Methodology of hypnotherapy in functional disorders of digestion. p. 281.

Shakhmatov, N. F. - Psychiatric service in the Far East in the pre-revolution period. p. 290.

Kulikov, P. G. - Effect of phenamine on hypnosis. p. 297.

Belkin, A. I., Sachkova, L. D. - Role of the psychogenic factor in the development of hypothyroidism. p. 304.

Fedotov, D. D., Lupandin, V. M. - Activities of doctors-psychiatrists in the revolutionary movement in Russia. p. 310.

Milovzorova, S. A. - History of the beginnings of psychiatric service in Eastern Siberia. p. 321.

Pozdniakov, V. S., Khavin, B. I. - Organization of a ward for epilepsy patients in a psychiatric hospital. p. 333.

SOVETSKOE MEDITSINSKOE REFERATIVNOE OBOZRENIE NEVROPATOLOGIIA I PSIKHIATRIIA [ABSTRACTS OF SOVIET MEDICAL LITERATURE: NEUROPATHOLOGY AND PSYCHIATRY]. Published by Gos izd-vo meditsinskoi lit-ry [State Publishing House of Medical Literature]. Moscow, no. 14, 1956. (DNLM)

*ZHURNAL NEVROPATOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]. Issued by Vsesoiuznoe obshchestvo nevropatologov i psikhiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 63, no. 9, 1963.

Table of contents translated:

Kurashov, S. V. - State of psychoneurological aid in the U.S.S.R., and the pattern for its future development report at the Fourth Conference on neuropathologists and psychiatrists, June, 1, 1963. p. 1281.

Kryshova, N. A., and others. - Problem of the so-called human motor neuroses. p. 1297.

Šedivec, Vldislav. - Syndrome of neurotic arthralgia and myalgia. p. 1304.

Davidenkova, E. F. - Clinical and pathophysiological aspects of intentional convulsions of Rulf. p. 1308.

Kliuchikov, V. N., and others. - Clinical and genealogical studies of the family of a patient with Thomsen's myotonia. p. 1313.

Rosin, V. S. - Hereditary paralysis of the facial nerve. p. 1320.

Popov, A. K. - Electromyographic examination of the mimetic musculature following recovery from Bell's palsy and in epinuclear lesions of the facial nerve. p. 1322.

Gladkov, G. A. - Conditioned reflex method in successful therapy of post-encephalitic Gunn's syndrome. p. 1329.

Strelkova, N. I. - Inflammation of the thoracic sympathetic trunk and its treatment. p. 1333.

IAverbaum, N. P. - General epileptic seizures caused by an adenoma of the pancreas and their cessation following surgery. p. 1339.

Pines, L. N. - Laughter as an equivalent of epilepsy. p. 1341.

Karlov, V. A. - Physiopathology of hemiplegia following an epileptic seizure. p. 1347.

Il'ina, N. A. - Paroxysmal myoplegia. p. 1352.

Matoshin, V. M. - Differences in the temperature reaction in the paralyzed and normal halves of the body in spastic paralysis; Clinicofunctional comparisons. p. 1357.

Drigo, E. F., Ustinova, E. Z. - Cardiac changes in cadavers of insultus patients, clinical and electrocardiographic data. p. 1361.

Preobrazhenskaia, N. S. - Development of the pregeniculate nucleus in man and its functional significance. p. 1368.

Gushanskii, E. L. - Dynamics of subordination and adaptation in the catatonic form of schizophrenia with a chronic unfavorable development. p. 1376.

Puskina, V. G. - Correlation between the phases of -activity and the dimensions of latent periods of motor reactions. p. 1381.

Minskor, E. I. - Reactivity of some links of the endocrine system in various forms of the course of schizophrenia. Report No. 1: Condition of the reactivity of the endocrine system in paranoid and nuclear forms of schizophrenia. p. 1386.

Gamburg, A. L. - Adrenocorticotropic and insulotropic effects in the regulation of the blood sugar level in schizophrenia. p. 1398.

Pashchenkov, S. Z. - Experience with industrial employment of schizophrenic patients in the state of remission or intermission. Report No. 1. p. 14[illegible]

Gullamov, M. G. - Preliminary data on the course of some mental disorders under high-mountain conditions. p. 1411.

Shcholkunov, E. L. - Pharmacological principles in the use of Soviet preparation chloracizin as an antidepressant. p. 1416.

Rogovin, M. S. - Handbook of abnormal psychology and its theoretical premises. p. 1420.

Soskin, L. S. - Surgical treatment of cerebellar hemorrhage; a review of literature. p. 1427.

Maslov, E. V. - Review of S. F. Semenov's book "Schizophrenia." p. 1432.

Shternberg, E. IA. - Review of Lothar B. Kalinowsky and Paul H. Hoch's book "Somatic treatments in psychiatry." p. 1434.

Grashchenkov, N. I., Vein, A. M. - "Topical diagnosis of diseases of the nervous system" by E. K. Sepp and others. p. 1436.

Mikheev, V. V., Shtul'man, D. R. - Review of the book "Handbook of the neuropathologist." p. 1437.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

OFTALMOLOGICHESKII ZHURNAL [OPHTHALMOLOGICAL JOURNAL]. Issued by Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 19, nos. 4-5, 1964.

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARINGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 26, no. 2, Mar-Apr. 1964. (DNLM)

e. PATHOLOGY & THERAPEUTICS

ARKHIV PATOLOGII [ARCHIVES OF PATHOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 26, no. 2, 1964.

Table of contents translated:

Dvizhkov, P. P. - Aluminosis. p. 3.

Gribovod, A. F. - Morphologic characteristics of the healing of surgical incised wounds of the heart. p. 10.

Gasparian, S. A. - Morphologic changes in the kidneys in homoplasty of the renal artery. p. 17.

Nestorov, E. N. - Histogenesis and organospecific characteristics of interstitial pneumosclerosis. p. 22.

Mirzoian, E. Z., Osintsova, V. P. - Tuberculin as an additional factor in the reparative processes in tuberculosis. p. 30.

Burkin, A. A. - Compensatory and adaptational processes in the lungs in tuberculosis. p. 36.

Turusov, V. S. - Tumors of the skin in rats caused by 9, 10-dimethyl-1, 2-benzanthracene. p. 44.

Shperling, I. D. - Spermatozoid granuloma of the epididymis. p. 50.

Vikaliuk, IU. F. - Histopathology of the connective tissues and lymphatic vessels of the cirrhotic liver. p. 56.

Oivin, I. A., and others. - Relation of the development of inflammation to the state of the blood coagulation system. p. 63.

Neplokh, IA. M. - Nuclear hematomas in hypertensive cerebral hemorrhages. p. 68.

[illegible], K.V., Talalaeva, A.V. - Neoplastic nature of osteoblastoclastoma. p.74.
[illegible], M.N., Chilkovskii, G.N. - Traumatic rupture of a nonparasitic cyst in the spleen. p.78.
[illegible], T.F. - Chronic dissecting aortic aneurysm. p.81.
[illegible], N.Z. - Rapid and stable staining of connective tissue, hyalin, fibrin and fibrinoids. p.84.
[illegible], G.A. - Methodology for morphologic study of hemorrhaging ulcers in the gastrointestinal tract. p.85.
[illegible], IU.G. - Macrotome. p.86.
[illegible], IU.G. - Cryostat. p.86.
[illegible], A.M. - "The Journal of Pathology and Bacteriology," 196[illegible], vol.8[illegible], no.1. p.87.
[illegible], N.A. - Scientific conference on the problems of immunopathology. p.90.
[illegible], I.K. - International symposium on chronic [illegible] pulmonary diseases. p.91.
(DNLM)

LABORATORNOE DELO [LABORATORY WORK]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no.7, 1961.

Table of contents translated:
[illegible], A.[illegible] - Atypical nonclassified Mycobacteria, a review of literature. p.387.
[illegible], M.F. - Applicability of the [illegible] with potassium cyanide and chloramine B for the identification of Mycobacterium tuberculosis of [illegible] p.393
[illegible], II.A. - Effect of thyroid hormone on the growth of Mycobacterium tuberculosis [illegible] p.39[illegible]
[illegible] - Laboratory diagnosis of trachoma and [illegible] p.396.
[illegible] - Study of diphtheria toxicity [illegible] medium, annotation [illegible] p.398
[illegible] - Comparative evaluation of some [illegible] the isolation of diphtheria bacteria [illegible] annotation p.399
[illegible] - Evaluation of [illegible] laboratory diagnosis of diphtheria, annotation [illegible] p.[illegible]
[illegible], IU.A. - Microbiological method for the determination of vitamin [illegible] p.[illegible]
[illegible] - Simple method for the determination [illegible] in blood serum. p.40[illegible]
[illegible], V.I. - Use of human [illegible] in the determination of anti[illegible] p.40[illegible]
[illegible], I.M. - Test for C-reactive [illegible] protein [illegible] clinical and laboratory [illegible] p.407.
[illegible], A.A., [illegible], I.M. - Determination of [illegible] activity of pepsin and trypsin by [illegible] method. p.411.
[illegible] - Refractometric method for the [illegible] p.41[illegible]
[illegible], N.Kh. - Determination of calcium in blood [illegible] flame photometry method. p.41[illegible]
[illegible], IU.F., [illegible], I.P. - Method [illegible] determination of steroid [illegible] the FEK-M apparatus p.417
[illegible], V.P. - Methodology for the marking of [illegible] (densitograms) on the [illegible] p.418
[illegible], IA.N. - Evaluation of the role of the [illegible] mechanism in changes [illegible] diuresis p.419
[illegible], V.A. - Methodology for determining the [illegible] circulating blood using polyglucin p.421
[illegible], P.A. - Methodology for rapid determination of [illegible] and esters in the air of industrial [illegible] p.42[illegible]
[illegible], V.P., Rusakova, G.F., Tokarev, O.IU. - [illegible] changes in fibrinogen and methods for their study. p.425
[illegible], V., Koleskov, A.V. - Cultivation of human bone marrow in vitro and its autoradiography. p.430
[illegible], IU.F. - Phagocytic activity of eosinophils in [illegible] of allergic origin. p.434.
[illegible], Z.F. - Cytologic diagnosis of peritoneal [illegible] p.438
[illegible], M.I., [illegible], V.P. - Effect of erythrocytes on the adhesiveness of blood platelets. p.441
[illegible], A.A. - Vertical cuvette for paper electrophoresis. p.444.
[illegible], L.V. - Portable device for the determination of vitamin A. p.446.
[illegible], V.M. - Device for dosage of gases soluble in water. p.447.
[illegible], E.D. - Reviews. p.448.

PATOLOGICHESKAIA FIZIOLOGIIA I EKSPERIMENTAL'NAIA TERAPIIA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol.6, no.4, July-Aug 1962.

Table of contents translated
Petrov, I.R., Kulagin, V.K. - Qualitative characterization of diseases. p.3
Puza, A. - Immunological tolerance and some problems of homotransplantation in dogs. p.8.
Kushakovskii, M.S. - Experimental therapy and prevention of methemoglobinemia with cystamine hydrochloride. p.15.
Kovalenko, L.A. - Changes of oxygentension in dog brain tissues in a rarefied atmosphere. p.18.
Antonov, V.B., Pakhov, V.A. - Role of the central nervous system and adrenals in adaptive processes in oxygen deficiency. p.25
Fedorov, N.A., L'vova, V.V. - Effect of immunotherapy on nitrogen metabolism in thermal burns in dogs. p.28.
Vasadze, G.Sh., Kudritskaia, T.E. - Complex therapy of burn shock. p.34
Aleksandrov, P.N. - Motor defense conditioned and unconditioned reflexes in rats during the development of acute infectious and aseptic inflammation. p.38.
Mikhailich, G.A., Losgun, G.O. - The course of aseptic tuberculous inflammation under the influence of basic antituberculous preparations. p.41
Babula, V.P., Mukhamedzhanov, I.A. - Intravascular thrombogenesis in intravenous administration of thromboplastin and thrombin. p.45.
Kiseleva, N.S. - Tentative sarcolysin therapy of pulmonary metastases of Walker's carcinosarcoma. p.50.
Loskutova, F.A. - Changes of the thyroid gland and effect of thyroidin on the survival of rats of various ages exposed to total irradiation. p.54
Bibikova, A.F., and others. - Reaction of the organism to massive γ-irradiation. p.57
Petrov, R.V., L'vitsyna, G.M. - Incomplete antibodies detected with the aid of Coombs' test in the blood of irradiated animals. p.63.
Polushkina, S.S. - Relationship between the distribution of water in intracellular tissue and vascular spaces in dogs immediately after unilateral nephrectomy. p.69.
Kanian, A.K. - Orientation standards of the percent composition of peripheral blood and bone marrow punctates in normal dogs. p.73.
Soldeva, Z.I. - Changes of the reactivity of the organism under the influence of the growth of transplanted tumors. p.75.
Podzei, I.K. - Metastatic spreading of Brown-Pearce tumors in the presence of functional changes of the liver. p.76.
Volsfel'd, I.E., Ugoleva, S.V. - Correlation between adrenaline and histamine in the blood in adrenaline load under normal conditions and in some forms of neural pathology. p.78.
Rokitianskii, V.I. - Studies on the mechanism of therapeutic effects of ultrasonic oscillations in experimental joint injuries. p.79.
Komendantova, A.L. - Effect of the blood of animals previously irradiated with X rays on the transfer of excitation in synapses of the superior cervical sympathetic ganglion. p.81.
Krivkov, G.A., and others. - Experimental myocarditis in acute radiation sickness. p.81.
Lettes, F.I. - Method for the induction of experimental atherosclerosis in rats. p.84.
Shapiro, V.M. - Reanimatology as a new chapter of pathological physiology; Second All-Union Conference on the Pathology and Therapy of Terminal States. p.87.

*PROBLEMY GEMATOLOGII I PERELIVANIIA KROVI [PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.8, no.8, Aug.1963.

Table of contents translated:
Akkerman, V.V. - Role of hereditary factors in the etiology of leukemia in man (familial leukemia). p.3.
Cherntsova, T.A., Ivanova, V.D., Aksenova, O.V. - Clinical characteristics and properties of the course of chronic leukemia during the early stages of its development. Report No.1. p.9.
[illegible] ure of changes [illegible] nodes in [illegible]
[illegible] osan therapy [illegible] antibiotics [illegible] atment of [illegible]
Sturkovich, O.V. - Local X-ray therapy of metaplastic hyperplastic lymphadenoid tissue of the lymphoid ring in acute leukemia. p.25.

Degtiareva, M.M. - Thrombocytopoiesis in myeloproliferative diseases. p.30.
Lago, O.M. - Some trace elements and blood proteins in children with acute leukemia. p.37.
Alekseev, G.A. - A (hypo) gammaglobulinemia in paraprotein reticuloses (multiple myeloma, Waldenstrom's disease). p.41.
Andreeva, N.E. - Intracellular crystalloid inclusions in multiple myeloma. p.46.
Rumiantsev, V.N. - Case of congenital reticulosis. p.49.
Anikin, B.S. - Case of chronic basophilic leukemia. p.50.
Nikolaeva, N.V. - Spontaneous remission in acute hemocytoblastosis. p.51.
Turbina, N.S., Rozanova, N.S., Pevzner, T.N. - Case of lymphogranulomatosis treated with aurantine. p.53.
Masik, M.G., Barba, E.I. - Comparative evaluation of the effectiveness of some methods of treating lymphogranulomatosis. p.57.
Saenko, A.S. - Alpha-1,6-dextran glycosidase in human organs. p.57.
Vorob'ev, A.I. - Review of D.I. Gol'dberg and E.D. Gol'dberg's book "Manual on hematology with an atlas of microphotograms." p.61.
(DNLM)

REFERATIVNYI ZHURNAL. OBSHCHIE VOPROSY PATOLOGII, ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY, ONCOLOGY (Separate Issue 53)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos.15-16, Aug. 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963]

SOVETSKOE MEDITSINSKOE REFERATIVNOE OBOZRENIE: NORMAL'NAIA I PATOLOGICHESKAIA MORFOLOGIIA S EMBRIOLOGIEI [ABSTRACTS OF SOVIET MEDICAL LITERATURE: NORMAL AND PATHOLOGICAL MORPHOLOGY WITH EMBRYOLOGY]. Published by Gos. izd-vo meditsinskoi lit-ry [State Publishing House of Medical Literature]. Moscow, no.6, 1955.
(DNLM)

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.36, no.3, Mar. 1964.
(DNLM)

VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHEBNOI FIZICHESKOI KUL'TURY [PROBLEMS OF RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY]. Moscow, vol.28, no.6, 1963.

Table of contents translated:
Slonim, A.D. - Physiological mechanisms of the cold-acclimatization and hardening of the human organism. p.481.
Kochankov, V.G. - Changes in skin temperature and infrared radiation of the bodies of children during air-light baths under the climatic conditions of the Moscow area. p.488.
Efimov, V.V. - Stimulating effect of the wind and mild air impulses on the sensory and motor nervous system in man. p.497.
Shometilo, I.G. - Method of prescribing air baths according to the cooling capacity of the air. p.500.
Nevraev, G.A., Olefirenko, V.T. - Effect of the chemical composition of water on the thermal action of water baths. Report No.1: Effect of hot freshwater and carbon dioxide baths. p.503.
Latyshev, G.D. - Use of measurements of heat emission during sudden cooling in the evaluation of the state of thermoregulating mechanisms. p.510.
Smolianskii, G.B. - Heat exchange in man in an aqueous medium. Report No.1: Effect of water movement on heat exchange. p.517.
Shubin, V.F. - Use of the proper indices in the evaluation of the functional state of an organism. p.521.
Shee, J., Benda, J. - Results of compound treatment of gastric dyspepsia at Karlovy Vary. p.526.
Shaposhnikov, P.K. - Submerged intestinal lavage and intestinal irrigation without a bath in nephrolithiasis. p.536.
Krylov, N.P. - Use of electrophoresis combined with inductothermy or ozocerite in treating lumbosacral radiculitis. p.541.
Paskalev, M.P. - Myophony in neuritis of the facial nerve. p.548.
Mkheidze, P.A., Mikhina, I.B. - Use of exercise therapy in fibrous and cavernous pulmonary tuberculosis after thoracoplasty at the Abastumani Health Resort. p.552.
Dement'ev, K.I. - Oldest health resort control and observation station. p.554.
Kulakova, V.IA. - Mineral water resources of the Lipovskoye Springs of Medicinal radon waters in the Urals. p.556.

[illegible]

[illegible] resort treatment [illegible] p. [illegible].
[illegible], V. A. - [illegible] and health resort [illegible] p. 5[illegible].
[illegible] - [illegible]'s article [illegible] and health resort treatment [illegible] p. 5[illegible].
[illegible], B. E. - [illegible] to the editor. p. 56[illegible].
[illegible], V. [illegible] - Review [illegible] (I. A. Abrikosov and N. P. [illegible] "[illegible] therapy." p. 564.
[illegible], I. L., [illegible], N. N. - [illegible] Institute of Health [illegible] dedicated to the cen- [illegible] incorporation of Kirghizia [illegible] p. 569.
[illegible] journal "Voprosy [illegible]" of [illegible] in 1961. p. 371.
(DNLM)

*[illegible] [PROBLEMS OF ONCOLOGY]. [illegible] SSSR [illegible] S S R]. Moscow, [illegible]
Table of contents translated
[illegible], L. M. - [illegible] results of the ma- [illegible] Institute of Cancer Research [illegible] p. 3.
[illegible], I. A., [illegible], B. F. - Clinical forms [illegible] initial stages. p. 9.
[illegible], I. A., [illegible], I. N. - Late [illegible] of a giant cell tumor of [illegible]. p. 16.
[illegible], I. I. - [illegible] hematopoiesis in [illegible] with [illegible] tumors. p. 24.
[illegible], M. M., [illegible], M. S. - Effect of [illegible] granulomatosis. p. 31.
[illegible], M. P. - Effect of human papilloma virus [illegible] and tissue explants. p. 34.
[illegible], A. I. - Blastomogenic action of human [illegible] extracts on rats. p. 42.
[illegible], R. M. - Biological and antigenic properties of the rabbit Brown-Pearce tumor passed [illegible]. p. 52.
[illegible], I. I., Miuller, N. R. - Some peculiarities of [illegible] of rat sarcoma SSR following [illegible] under the skin of the tail. p. 56.
[illegible], V. IA. - Effect of dibazol and adaptation to cold and muscular work on animals with the Ehrlich tumor. p. 60.
[illegible], V. I., [illegible], K. A. - Effect of intra-arterial administration of [illegible] on transplantable rabbit [illegible]. p. 67.
[illegible], V. A., Presnova, Zh. F. - Changes in depolymerase activity of nucleic acids in rats with transplantable tumors under the influence of ethyleneimine derivatives. p. 70.
[illegible], F. I. - Focal elephantiasis of the upper extremity following mastectomy in a patient suffering from elephantiasis of a lower extremity. p. 79.
F[illegible]man, IA. V., Airbinder, N. M. - Mesodermal mixed tumors of the cervix uteri. p. 82.
Bresler, V. M. - Lung tumor in a turtle, Emys orbicularis. p. 87.
Vol[illegible]skaia, M. I., and others. - Results of semicarbazide-cadmium therapy in patients with malignant tumors in incurable stage. p. 92.
Kr[illegible], G. V. - Results of clinical tests of treating cancer patients with cadmium iodide and semicarbazide hydrochloric acid. p. 104.
Zernov, A. L., and others. - Results in the treatment of cancer patients with semicarbazide and cadmium. p. 114.
Tarasenko, A., Chekulaev, G. - Results of the treatment of patients with neglected cancer in the Leningrad District Military Hospital with preparations recommended by biochemist. p. 116.
Vil'ner, L. S. - Some data on the results of treatment of cancer patients with cadmium iodide and semicarbazide hidrochloric acid at the Second United Hospital of the Moscow district of Leningrad. p. 120.
Rabkova, L. M. - Use of cadmium iodide and semicarbazide hydrochloric acid in the treatment of bladder tumors. p. 125.
Baranova, A. G. - Critical remarks. p. 126.
Shabad, L. M. - Minutes of the Scientific Society of the Oncologists of Moscow and Moscow Province for meeting No. 75, on June 28, 1962. p. 129.
Kholdin, S. A., Dymarskii, L. IU. - Minutes of the Scientific Society of the Oncologists of Leningrad and Leningrad Province for meeting 73, on December 6, 1962. p. 131.
Garin, A. M. - Review of A. I. Ageenko's book "Heterotransplantation of malignant tumors". p. 133.
Shlapoberskii, V. IA. - Review of M. V. Volkov's book "Primary bone tumors in children; diagnosis and surgical treatment". p. 134.
(DNLM)

Vol 10, no 3, 1964.
Table of contents translated
Kriukova, I N, Obukh, I. B. - Distribution of the infectious virus and viral antigen in the body of rats and mice infected with Rous virus. p. 3.
Brondz, B. D - In vitro and in vivo study of the cytotoxic effect of cellular and humoral isoantibodies. Report No 1 Cytotoxic effect of humoral isoantibodies from cells resistant to sarcoma in mice. p 9
TSvetkov, V. S, Liudogovskaia, L A - Study of the antigen structure of tumors in man Report No. 2. Purification of specific immune sera to stomach cancer in man p. 16
Liudogovskaia, L. A, TSvetkov, V. S., Kiriukhin, V P - Antigen structure of tumors in man. Report No 3. Comparative analysis of stomach cancer tissue p 18
Artamonova, V A, Tikhonenko, T. I., Morgunova T D - Effect of ribonucleic acid on the growth of tumor cells p 22.
Eroshkina, A M, Kolmykova, V. N. - Change in the antigen properties of human embryonal tissue during prolonged cultivation. p 27
Fichidzhian, B S, Pogosiants, E E, Prigozhina, E L - Cytogenetic examination of viral and dimethylbenzanthracene-induced leukemias in rats. p 34
Kiseleva, N S., Pankarovskii, V. V. - Dynamics of the development of late matastases of ascitis tumors in rats. p. 41
Prizhivoit, G N. - Changes in thrombocytes and megakaryocytes in rats during the growth of transplanted tumors. p 46.
Merkulova, N. B. - Treatment of multiple myeloma with sarkolysine p. 51.
Kushelev, A. E - Tumors of the female urethra; data from the Donets Province Oncological Dispensary. p 58.
Musil, J - and others. - Study of the effectiveness of various doses of 6-azauridine in malignant tumors of female genitalia. p. 62.
Mairanovskaia, E F., Mamontov, A. S., Gorodilova, V V. - Polarographic studies in the diagnosis of lung cancer. p. 66
Pinskii, S. B., Kalinin, A. P. - Cancer of the thyroid gland in children p. 72.
Krikunenko, G. V. - Erythrocytosis of the blood in cancer of the cardial part of the stomach. p. 78.
Brazhnikov, N. N. - Involutional changes of the breast in the X-ray picture. p 82.
Svindler, E. A. - Differential cytological diagnosis of precancer and cancer of the cervix uteri with luminescent and phase contrast microscopy. p 86.
Samundzhan, E. M., Vladimirova, V. S. - Functional state of the adrenal cortex in benign and malignant tumors of the uterus and ovaries. p. 93
Dekster, L. I, Neishtadt, E. L. - Kraurosis and leukoplakia of the vulva; clinical and morphological analysis. p. 98.
Bogoslavskii, A. L. - Unusual localizations of metastases in stomach cancer p 105.
Serebriakova, E S - Extensive surgery in cancer of the rectum. p. 110.
Tobilevich, V. P., Mukhina, E. P., Gershanovich, M. L. - Two cases of healing of vesico-vaginal fistulas under the influence of 4-methyluracil (metacil, methyluracil). p. 115.
Lev Aleksandrovich Zil'ber, on his 70th birthday. p. 118.
Pogosiants, E, Valueva, I. - Minutes of the Scientific Society of Oncologists of the City of Moscow and Moscow Province joined with the Society of Gynecologists for meeting No. 84 on May 8, 1963. p. 120.
Znachkovskii, N. G., IUnda, I. F. - Report on the activity of the republic board and the provincial scientific medical societies of oncologists of the Ukraine for 1962. p. 122.
(DNLM)

f PHARMACY & MATERIA MEDICA

*FARMAKOLOGIIA I TOKSIKOLOGIIA [PHARMACOLOGY AND TOXICOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 25, no 6, Nov.-Dec. 1962.
Table of contents translated.
Il'iuchenok, R. IU, Ostrovskaia, R. U. - Cholinereactive structures of the mesencephalon, a pharmacological study. p 643.
Golikov, S. N, Kuznetsov, S. G., Ioffe, D V. - Transformation in the body of certain cholinolytic substances containing the tertiary amino group into quaternary ammonium compounds. p. 651.
Vanevskii, V. L., and others. - Chemical and pharmacological study of hemithiamine, a new hypnotic preparation. p. 657.
Al'tshuler, R A - Effect of fluothane anesthesia on the action of curareline, ganglione blocking and adrenomimetic preparations. p. 662.
Bolondinskii, V K - Hypothermic effect produced on dogs by different doses of chlorpromazine. p. 667.
Aleksandrova, A. E. - Comparative action of cholinolytics containing tertiary and quaternary nitrogen upon the medulla oblongata centers and their ability to penetrate through the hematoencephalic barrier p. 672
Mashkovskii, M. D., Zaitseva, K. A - [illegible] a new cholinolytic agent p. 679.
Mashkovskii, M. D., Sadritdinov, F. - [illegible] properties of 1,6 di-(3',3'-benzylquinuclidinium [illegible]) hexane dichloride (qualidil). p. 685
Sharapov, I. M - Pharmacology of some 2,3 [illegible] and 2,3-di substituted quinuclidines p. 691
Tikhonenko, V. M. - Pharmacology of some derivatives of the polyalkylpiperidine series. p. [illegible]
Belikova, A P., and others - Experimental data relative to the pharmacology of hippophaine (5-hydroxytryptamine hydrochloride). p. 70[illegible].
Pykhtina, A. A. - Comparative effect of papaverine, sinomenine, tiphen, and dibazol on the [illegible] activity and contraction range of the heart. p. 71[illegible]
Naumenko, A. I., Klevtsov, V. I. - The effect of ACTH and cortisone on the tone of cerebral vessels p. 716.
Aleshinka, IA. A., Berezhinskaia, V. V. - Pharmacology of the glycosides of Thevetia peruviana p. 72[illegible]
Neklesova, I. D., Piontak, N. E. - Effect of phosphorus organic antiglaucomatous preparations on peripheral vessels. p. 725.
Sharov, N. A. - Comparative toxicity of trimecaine and novocaine administered by different methods, p. 731.
Kabilov, N. M. - Comparative photosensitizing effects of khellin, meladinin and the extract of Psoralea drupacea. p. 733.
Grebennik, L. I. - Enzymatic decomposition of isonicotinic acid hydrazide and its derivatives in the organs of the animal body. p. 739.
Paribok, V. P., Grokhol'skaia, N. V. - Comparative investigation of the toxicity of nitric oxide and nitrogren peroxide. p. 741.
Kvasenko, O. F. - Central and peripheral effects of sodium cyanide. p. 746.
Avakian, V. M., Chiltugarian, A. A. - Method for the study of the effect of pharmacological agents on vasomotor nerve ganglia of the extremities. p. 750.
Berkhin, E. B. - Some problems pertaining to the teaching of pharmacology in institutions of higher learning. p. 753.
Dobrokhotov, G. S., Lakin, K. M. - Conference on problems in the physiology, biochemistry and pharmacology of blood coagulation held in Tartu p. 755.
Samoilova, Z. T - Moscow Pharmacological Society p. 757.
Tank, L. I. - Leningrad Pharmacological Society and the Pharmacological Section of the Leningrad I. M. Sechenov Society of Physiologists, Biochemists and Pharmacologists. p. 760.
Index of articles published in the journal "Farmakologiia i toksikologiia" in 1962.

Vol. 26, no. 2, Mar.-Apr. 1963.
Table of contents translated.
Zakusov, V. V. - Some serotonin antagonists. p. 131.
Sangailo, A. K. - Some current problems in the clinical pharmacology of analgesics. p. 136.
Voevodina, O. N. - Effect of bromine on secretory and situational conditioned reflexes in normal dogs and dogs exposed to X rays. p. 145.
Shapovalov, A. I. - Examination of the effect of narcotics on the transfer of stimuli in the spinal cord using intracellular microelectrodes. p. 150.
Zeimal', E. V. - Quantitative study of the penetration of an organic phosphorus anticholinesterase substance with a positive charge in the molecule from the blood into different segments of the cat brain. p. 157.
Markova, G. A. - Effect of some vasodilators on the work of the heart in experimental myocardial infarct. p. 164.
Miazdrikova, A. A. - Effect of ganglioblocking substances on the development of collateral blood vessels in the myocardium in experimental myocardial infarct in rabbits. p. 169.
Kharkevich, D. A. - Ganglioblocking substances in the series of bis-quaternary salts of dialkylaminoalkyl esters of N-methyl-α-pyrrolidine carboxylic acid. p. 172.
Khalimova, K. M. - Comparative study of the pharmacological activity of sympatholytics, o-bromobenzyl ammonium derivatives. p. 179.
Afonskaia, I. S., and others. - Mechanism of the action of armin and nibufin. p. 184.
Saratikov, A. S., Barkovskaia, G. E. - Effect of camphor on the respiration of brain tissue. p. 189.
Geres, E. - Effect of mercury-free diuretics on tissue respiration in vitro and oxidative phosphorylation of isolated liver mitochrondria. p. 192.

ktn, I.E. – Effect of papaverine, euphyllin and
adrenaline on. oxidative phosphorylation and the
creatine phosphate content of the myocardium.
p.197.
larkova, I. V. – Use of mineral corticoids in the pre-
vention of the toxic effects of phenamine and adre-
naline in adrenalectomized rats. p. 201
adian, A. G., Kazanchev, M. I., Kessel', V. P. –
Ability of k-strophanthin and calcium to restore the
activity in the frog's heart arrested by cortisone.
p. 206.
chenko, A. I. – Effect of some pharmacological
substances on the tonus and resting potential of
smooth and tonic skeletal muscle fibers. p. 210.
atisian, G. M., Atsekhovskaia, V. A., Shurai, L. I. –
Effect of nicotinic acid on blood coagulation under
experimental conditions. p. 216.
azbai, IA. I., Kuznetsova, V. F. – Pharmacologi-
cal study of the photosensitizing preparation bero-
xan. p. 219.
orgiu, P., Dobrescu, D. – Effect of pantothenic
acid and a mixture of globulins and histamine in ex-
perimental gastric ulcer. p. 225.
ban, A. P., Turkevich, A. N. – Effect of 3-phenyl-
rhodanine, 3-p-tolylrhodanine and rhodanine-3-
benzoic acid on the estrus cycle in white rats.
p. 228.
otov, A. I., Fedorova, S. N. – Mechanism of the ac-
tion of bephenium hydroxynaphthoate (naphtamon;
alcopar) on ascarid. p. 233.
avnina, R. A. – Sympatholytic substances not block-
ing adrenoreactive systems. p. 239.
mollova, Z. I. – Moscow Pharmacological Society.
p. 250.
nik, L. I. – Leningrad Pharmacological Society and
the Pharmacological Section of the I. M. Sechenov
Society of Physiologists, Biochemists and Pharma-
cologists in Leningrad. p. 251.
silii Vasil'evich Zakusov, on his 60th birthday and
35th anniversary of scientific work. p. 253.

6, no. 5, Sep.–Oct. 1963.
Table of contents translated:
skakova, V. P. – Conditioned pupillary reflexes
following the administration of trimecaine.
p. 515.
buzov, S. IA., Generalov, V. I. – Effect of some
isothiuronium pyridoxine derivatives on blood
circulation and some functions of the nervous
system. p. 518.
uchenok, R. IU., Matveeva, R. B. – Studies
on the effect of adreno- and cholinolytic drugs
in the trigeminal section of the brain stem.
p. 525.
ikmets, L. Kh. – Further pharmacological
analysis of etephyl (diethyldiamide imidazole-
4,5-dicarboxylic acid, IEM-288). p. 531.
yshina, M. V. – Effect of reserpine, aminazin
and aprophen in experimental hypertension.
p. 537.
ukian, V. M. – Effect of cypenam and pentaphene
on the central nervous system. General effects
and toxicity of both preparations. p. 543.
vskii, K. S., Batulin, IU. M. – Ataractic prop-
erties of the series of 4-mono- and 1,4-disub-
stituted pyrazoles. p. 551.
avee, O. L., Nurmand, L. B. – Functional
elimination and toxicity of barbamyl and pentothal
sodium in hypothermia. p. 556.
al, V. E., Vasil'ev, P. V., Kolchin, S. P. –
Reactivity of the animal body to narcotics
following a prolonged effect of lateral accelera-
tion. p. 559.
in, I. P. – Effect of tofranil on the action of
hexenal, chloral hydrate and morphine in mice.
p. 564.
rina, N. V. – Combined effect of meprobamate
and pyramidon. p. 568.
erman, T. IU. – Effect of some drugs used in
the treatment of headache in hypertensive patients
on the tone of cerebral vessels; experimental
studies. p. 573.
chishkin, L. L., Ryzhenkov, V. E. – Emetic
effect of apomorphine, morphine and aconitine
in various types of administration. p. 578.
alikov, A. S., Alekseeva, L. P. – Effect of
camphor and strophanthin on the cardiovascular
system. p. 584.
oza, G. N. – Effect of olitoriside and digilanide
C on coronary circulation and myocardial oxygen
requirement. p. 589.
geev, P. V. – Effect of contrast media on the
coronary blood flow rate. p. 594.
ratov, V. K. – Effect of curarelike drugs on the
glossomaxillary reflex. p. 597.
skii, V. I., Khalimova, K. M. – Nicotinelike
activity of a series of methyl esters of ω -
dimethylamino- and ω -piperidyl - alkane-
carboxylic acids. p. 603.
iva, E. A. – Interrelation of the structure and
the anesthetic properties of some complex esters
of aromatic fatty alcohols. p. 606.

Derevianko, L. D. – Effect of some vasodilating and desensitizing preparations on vessels of the isolated rabbit ear under normal conditions and in sensitization. p. 611.
Skakun, N. P., Lesiuk, I. I. – Effect of choline chloride on the bilesecreting function of the liver in the dog. p. 616.
IAkovleva, A. I., Shakhnazarova, N. G. – Morphological changes in the liver of rats under the influence of prolonged introduction of aminazine. p. 621.
Luk'ianenko, V. I., Flerov, B. A. – Experimental data on the age factor in fish resistance to toxic substances. p. 625.
Ivanitskii, A. M. – Toxicology of organic tin compounds; review of the literature. p. 629.
Kudrin, A. N., Ponomareva, G. T. – Review of Norman D. Bailey's book "Statistical methods in biology." p. 633.
Dumka, N. S. – Review of N. S. Shvartsalon's book "Manual for practical work in prescription writing." p. 634.
Kharchenko, N. S. – Report on the activity of the Khar'kov Branch of the Ukraine Pharmacological Society for 1962. p. 636.
S. IA. Arbuzov; on his 60th birthday. p. 638.

FARMATSEVTYCHNYI ZHURNAL [PHARMACEUTICAL JOURNAL]. Issued by Ministerstvo okhorony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 16, no. 1, 1961.

Table of contents translated·

Turkevych, A. M. – Morphine sustitutes. p. 3.
Pashkevych, IU. M. – Synthesis of 4-thiazolidone derivatives containing residues of diphenylacetic acid. p. 8.
IEr'omina, Z. I., Hurevych, V. H. – Using vanadometry to determine organic pharmaceutical preparations. Report No. 2. p. 13.
Mel'nychuk, O. P. – Conditions for the extraction of ephedrine from aqueous solutions by organic solvents at various pH values. p. 18.
Rapaport, L. I. – Interaction of barbiturates with bivalent mercury salts. Report No. 1. p. 21.
Kramarenko, V. P., Rokach, Z. S. – Comparative evaluation of methods for quantitative determination of alkaloids in extracts from biological material. p. 26.
Pivnenko, H. P., and others. – Presence of water-insoluble tannins in the roots of the spurge *Euphorbia palustris*. p. 32.
Khmel', M. P. – Alkaloids of the groundsel Senecio *racemosus* M. B. p. 35.
Alekseieva, V. S. – Alkaloids of the 1-methylpyrrolizidine series. p. 39.
Dorosh, T. P., Tukalo, IE. A. – Electrochemical method of isolating the glycoalkaloid tomatine from plants. p. 44.
Zinchenko, T. V., Fefer, I. M. – Chemical investigation of Marrubium praecox Janka of the mint family (Labiatae). p. 47.
Khadzhai, IA. I. – Pharmacological investigation of avisan, a preparation from the fruit of the bishop's-weed *Ammi visnaga*. p. 51.
Ivashin, D. S. – Investigation, procurement and cultivation of medicinal plants in Poltava Province in the pre-October period. p. 56.
Smetana, L. M., Solon'ko, V. M. – *Outlook for the* reduction of the size of bandages. Report No. 2. p. 59.
Shvartsman, P. D. – New qualitative reaction for dicaine. p. 64.
Vaisman, H. A. – Expand the use of *bactericidal* lamps. p. 64.
Bushkova, M. M. – *For efficient work methods. p. 68.*
Lander, H. B. – Apparatus for the transfer of liquids. p. 71.
Alekseieva, K. S. – More from our work practices. p. 73.
Fedorenko, P. I. – We are suggesting. p. 74.
Shestopalova, M. I. – Release of baby food mixtures from the pharmacy. p. 74.
Hubs'kyi, I. M. – Advertising in pharmacies as an efficient measure for improving the service for the population. p. 75.
New medical remedies. p. 79.
Answers to readers' questions. p. 86.
Brief news and information. p. 88.
Book reviews and bibliography. p. 92.

Vol. 18, no. 5, 1963.

Table of contents translated:

Kulesh, K. F., Koniev, F. A., Buhrim, N. A. – Increasing the production of prepared drugs by lowering the number of extemporaneous prescriptions of pharmacies. p. 3.
IAmpol's'ka, M. M. – Use of cations for the quantitative determination of some new drugs. p. 8.
Denysov, M. D. – Quality of water used in pharmacies of the Ukrainian S.S.R. for the preparation of injection. p. 12.
Markarova, H. V., Zanais'ka, K. N., Borysiuk, IU. H. – Studies on the oil of Salvia sclarea seeds. p. 16.
Lytvynenko, V. I. – Chemical studies on flavonoid compounds from the licorice Glycyrrhiza uralensis Fisch. p. 20.
Bahril, O. K. – Isolation and studies on dyes from some sorrels. p. 25.
Turkevych, M. M. – Properties and structure of pentabismol. p. 30.
Mynka, A. F. – Synthesis and studies on 5-alkyl derivatives of rhodanine. p. 32.
Orlov, IU. IE., Dziuba, N. P., Shostenko, IU. V. – Quantitative determination of khellin in combined medicinal preparations with the use of the polarographic method. p. 36.
Kurnyts'kyi, I. I. – Combination of copper with rhodanine-3-benzoic acid and its constant instability. p. 39.
Birinbolm, S. M. – Compleximetric determination of phosphate ions in pharmaceutical preparations. Report No. II. p. 41.
Bushkova, M. M. – Role of Soviet scientists in the development of control of pharmacy resources. p. 45.
Otamanovs'kyi, V. D. – Development of pharmacy in the Ukraine from the mid-17th century to the early 19th century. p. 48.
Tertyshnyk, A. H. – House pharmacies. p. 57.
Kovalenkov, K. M. – One hundred and fifty years since the discovery of the alkaloid quinine. p. 60.
Honcharenko, IA. A. – Some considerations on planning state pharmacies. p. 62.
Freidlina, M. M. – Better services for workers. p. 66.
Honcharenko, N. M. – How we are struggling for the right to be called a collective of communist work. p. 68.
Korzunets'kyi, B. M. – Our experience in managing pharmacy centers. p. 70.
TSukur, IE. P. – Improving the quality of the preparation of drugs and pharmacy services for the population. p. 72.
Ivanyts'ka, M. F. – Introducing new methods in pharmaceutic institutions of the Donets Province. *p. 74.*
Bahryi, T. IU. – Organization of controls within *pharmacies. p. 80.*
Kravchenko, I. M. – New drugs. p. 83.
Kostyns'ka, B. D., Khomych, A. M. – Answers to questions. p. 87.
Brief news and information. p. 89.
Vaisman, H. A. – Review of H. P. Pivnenko's book "Pharmaceutical technology of drugs." p. 92.
Liashenko, S. S. – Review of H. P. Pivnenko's book "Pharmaceutical technology of drugs." p. 93.

KHIMIIA I MEDITSINA [CHEMISTRY AND MEDICINE]. Issued by Vsesoiuznyi nauchno-issledovatel'skii khimiko-farmatsevticheskii institut [All-Union Chemicopharmaceutical Scientific Research Institute]. Moscow, no. 16, 1961.

Table of contents translated:

Mashkovskii, M. D., Medvedev, B. A. – Nitranol and other new esters of nitric acid as coronary vasodilators. p. 5.
Katyshkina, V. V., Gol'tsova, R. G., Kraft, M. IA. – Chemistry of nitranol and its production. p. 11.
Ruzhentseva, A. K., Chivireva, A. M. – Analytic characteristics of nitranol. p. 14.
Osipova, Z. V., – Use of nitranol in stenocardia. p. 15.
Zaikin, M. D., and others. – Treatment of angina pectoris with nitranol. p. 17.
Zborovskii, A. B. – Clinical use of nitranol. p. 20.
Ioffe, V. IU., Garanian, A. N. – Therapeutic value of nitranol. p. 25.
Shulutko, I. B. – Effect of nitranol in angina pectoris. p. 29
Bochenkova, A. I. – Treatment of angina pectoris with nitranol. p. 37.
Shakhnazarov, A. B. – Use of nitranol in the treatment and prevention of stenocardia. p. 41.
Levina, TS. A. – Nitranol therapy of patients with stenocardia. p. 44.
Romanovskaia, A. I. – Changes in the level of arterial pressure and vascular tonus in disorders of coronary circulation during nitranol therapy. p. 50.
IAgodkina, N. I. – Changes in skin temperature under the influence of nitranol. p. 54.
Vasil'eva, N. A. – Pneumographic studies in disorders of coronary circulation during nitranol therapy. *p. 58.*
Gruzina, E. A. – Electrocardiographic changes in patients with disorders of coronary circulation *during nitranol therapy. p. 61.*
Pavlova, O. V. – Effect of nitranol on the cutaneous capillaries in disorders of coronary circulation. p. 64.
Teregulov, G. N., Akhmetova, B. Kh. – Treatment with nitranol of stenocardia. p. 67.
Instruction for the clinical use of nitranol. p. 70.

MEDITSINSKAIA PROMYSHLENNOST' SSSR [MEDICAL SUPPLIES INDUSTRY OF THE U.S.S.R.]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.18, nos. 6-8, June-Aug. 1964.

REFERATIVNYI ZHURNAL FARMAKOLOGIIA TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S R.] Moscow, nos 14-16, July-Aug 1964. Avtorskii ukazatel' za 1963 g [Author Index for 1963]

VOPROSY MEDITSINSKOI KHIMII [PROBLEMS OF MEDICAL CHEMISTRY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol 9, no 2, Mar -Apr 1963

Table of contents translated.

TSvetkova, I.V. - Neuraminic acid metabolism in animals. p.115.

Chernikov, M.P. - Ability of pepsin to hydrolyze denatured egg albumin. p.125.

Grebennik, L.I., Gnevkovskaia, T.B., Smirnov, T.B. - Metabolism of vanillin as a phthivazide ingredient. p.127.

Karpenko, L.N. - Cholinesterase, monoamine oxidase and Histaminase activity in the mucosa of different segments of the stomach. p.133.

Korovnikov, K.A. - Histamine - histaminase system in the state of stress caused by increased muscular work and chilling. p.137.

Malysheva, L.B. - Intensity of tissue respiration in some organs in experimental hypercholesteremia and atherosclerosis. p.142.

Cherniak, N.B., Totskaia, A.A. - Structural characteristics and oxidative metabolism in a granular fraction isolated from human blood platelets. p.146.

Elkina, N.I., Tokarskaia, Z.B. - Pathochemistry of the liver in poisoning with plutonium-239. p.154.

Davydova, S.IA., Drozdova, G.A. - Some data on the mechanism of protein synthesis in liver microsomes and transplanted tumors in rats. p.161.

Siurin, A.A. - Inhibition phenomenon and fibrin formation. p.167.

Ushakova, T.D., Makarov, A.IU. - Proteins, lipoproteins and glycoproteins in the cerebrospinal fluid of patients with hydrocephalus. p.172.

Elinov, N.P., Zaikina, N.A. - Lipids of asporogenic yeastlike fungi of the genus Candida. p.177.

Guseva, L.A. - Content of adenosine triphosphoric acid and creative phosphate in the brain and muscles of animals adapted and unadapted to cold. p.180.

Khaunina, R.A., Lapin, I.P. - Effect of imipramin on the monoamine oxidase activity of the cat brain. p.184.

Samoilov, P.M. - Oxidative phosphorylation and glycolysis in the rat myocardium in experimental thyrotoxicosis. p.188.

Shlygin, G.K., Fomina, L.S., Pavlova, Z.M. - Technique of determining lipase in the pancreatic juice and duodenal contents. p.197.

Dellamure, L.L. - Study of lipoproteins in the blood of donors by agar gel electrophoresis using previously colored blood plasma. p.200.

Mishukova, E.A., Ter-Sakisian, L.G. - Electrophoresis of sarcoplasmic proteins in the rabbit myocardium under normal conditions and in experimental diphtheria intoxication. p.204.

Galkina, E.I., Zavgorodnyi, S.F., - Determination of calcium and magnesium in the blood serum using sodium tripolyphosphate. p.207.

Khaustova, I.M., Ugleva, A.I. - Comparative data on the purification of toxins and anatoxins of clostridium perfringens by different methods. p.209.

Lukomskaia, I.S., Tarasova, G.I. - Trehalase in animal and human tissues. p.214.

Pokrovskii, A.A., Bogdanova, L.M. - Characteristics of the secretion of proteolytic enzymes of gastric juice in various diseases. p.217.

Georgiev, G.P., Lerman, M.I. - Metabolic heterogenicity of messenger RNA from Ehrlich ascitic cancer cells. p.218.

Verzhbitskaia, N.A. - In memoriam of Aleksandr Grigor'evich Ginetsinskii. p.221.

g. PUBLIC HEALTH & NURSING

GIGIENA TRUDA I PROFESSIONAL'NYE ZABOLEVANIIA [LA[illegible]
Issu
istr
nos
(DNLM)

LENINGRAD. SANITARNO-GIGIENICHESKII MEDITSINSKII INSTITUT. Trudy [MEDICAL INSTITUTE OF SANITATION AND HYGIENE. Transactions]. vol.70, 1963; vol.79, 1964.

h SURGERY & DENTISTRY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut eksperimental'noi i klinicheskoi khirurgii i gematologii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Experimental and Clinical Surgery and Hematology. Transactions]. Tiflis, vol.11, 1963.

Table of contents translated

Eristavi, K D, Odishvili, G.IA, Kandelaki, D.I. - Homplasty of the thoracic aorta. p 3.

Natsvlishvili, G A., Gabuniia, R.I., Kakuliia, L A. - Importance of electrokymography in examining patients with cardiovascular diseases. p 15.

Goderdzishvili, T.M., and others. - Changes in some biochemical indices of the blood in coronary perfusion p.21.

Kurkhuli, A I - Cardiac activity in neuroplegia and hypothermia in relation to the method of artificial respiration p.25.

Goderdzishvili, T M., Bagrationi, E.D., Tevdoradze, L.Sh. - Changes in some enzymes of the blood during bloodletting and transfusion in hypothermia. p 29.

Tediashvili, M.I., TSitskishvili, G.V. - Activity of some enzymes of the skin in tissue transplantations in hypothermia. p.35

Buachidze, D N - Changes in external and internal secretions of the pancreas during hibernation and hypothermia. p.41.

Gzirishvili, G.A - Changes in the kidney function in hypothermia. p.47.

Buachidze, G P. - Use of lysthenon in tracheal intubation. p.53.

Ordzhonikidze, G K. - Bronchoscopic picture in bronchopulmonary cancer. p.57.

Ordzhonikidze, G.K. - Importance of bronchoscopic findings in resolving the problem of the operability of lung cancer. p.61.

Burdzhanadze, O.I - Importance of a ligation of the lobular bronchus in an atypical resection of the lungs. p 65.

Dzhibladze, N V., Larionova, N.G, Burdzhanadze, O.I. - Changes in the composition of peripheral blood and bone marrow following resection of the lungs. p.71.

Machabeli, M.S., Bezarashvili, L.G. - Toluidine blue, an inhibitor of heparin, and prospects for its use in artificial blood circulation. p.75

Eristavi, K.D., Zhvaniia, T.O - Five years' experience in the use of radioactive iodine in treating thyrotoxicosis. p.81

Semenskaia, E.M., Dzhibladze, N V, TSintsadze, N.A. - Changes in the blood picture in thyrotoxicosis treated with radioactive iodine. p.87

Giorgadze, K.L, Modestov, V.K., Mirkhodzhaev, A Kh. - Study of the functional state of the thyroid gland using radioactive tracers. p.91.

Dzhaparidze, T.N. - State of some indices of the blood coagulation system in acute and chronic experimental radiation sickness in hypothermia. p.95.

Sharashidze, L.K, Bulusashvili, R.V, Kochakidze, R.M. - Study of histochemical changes in the fibrous structures of the derma in the process of chemical cancerogenesis. p.103.

Sharashidze, L.K., Bulusashvili, R.V. - Structural changes in the nervous system in experimental tumors. p.111.

Sharashidze, L.K., Bulusashvili, R.V. - Morphological characteristics of induced tumors in susliks. p.121.

Khomeriki, G.V. - Primary multiple cancer of the large intestine. p.125

Ioseliani, G.D, Kakhidze, G.V. - Treatment of mechanical jaundice. p.131.

Buachidze, D.N. - Incretory changes in the pancreas in mechanical jaundice and the degree of their reversibility following the reestablishment of the discharge of bile. p.139.

Odishvili, G.IA., Tevdoradze, L.Sh., TSitskishvili, G.V - Morphological changes in the gastric mucosa following an extensive resection of the small intestine. p.143.

Semenskaia, E.M., and others. - Producing an experimental leukemia model in mice. p.151.

Semenskaia, E.M., Fridman, L.M. - Kahler-Rustitskii's disease. p.155.

Mukhadze, M.G., Tordiia, M.V. - Changes in the blood coagulation system in anaphylactic shock. p.163.

Abakeliia, TS.I., Zavrieva, N.M. - Implantation of bone marrow in mice. p.169.

Buachidze, G D [illegible]

Gzi[illegible] - Function of a transplanted kidney. p.177.

Kvachadze, L.I. - Morphological changes in the adrenal cortex in experimental hyperthyroidization. p.185.

Arkhangel'skii, I.N - Sensitivity of the skin to tuberculin in cavernous forms of pulmonary tuberculosis and its changes in the process of bacteriostatic treatment. p.193

Petriashvili, N.V - Electrophoretic examination of the total blood protein and protein fractions p.205.

Goderdzishvili, T M., Abakeliia, TS I. - Normal biochemical indices of the blood in experimental animals. p.213.

Tediashvili, M.G., Goderdzishvili, T.M. - Biochemical indices of the blood in healthy experimental animals p.219.

Burdzhanadze, O.I. - A method of prophylaxis of a coagulated hemothorax. p.223

Piradashvili, N.Z - Changes in some glycoprotein components of blood serum in lymphogranulomatosis p 229.

Gachechiladze, M.G., and others. - Homeostatic character of the changes in hemostasis in thrombophlebitis p.233.

Komakhidze, M.E., Bochorishvili, G.I. - Acute appendicitis in senile and old age. p.241

Nemsitseveridze, Sh.Z. - Performance of I.I. Grekov's operation. p.253.

Dvali, L.G., Skamkochaishvili, K.M - Intraosseous fixation of a femur fracture with a capron pin p.257.

Dvali, L.G. - Clinical aspect and treatment of a parasternal hernia. p.263.

Sabakhtarashvili, I.M - Clinical aspect of a disorder of cerebrovascular circulation. p 269

Iluridze-Sturua, M A - Phonocardiographic data on breast-fed infants. p.283.

Bokeriia, R I - Changes in the blood coagulation system in experimental cholemia and acholia p.291

Burdzhanadze, O I., Kebadze, N.N., TSitskishvili, G.V. - Achievements of Slovak surgeons in the realm of artificial blood circulation. p 311

Ioseliani, G.D., Pagava, G D, Khachua, A V. - Importance of coronary perfusion in exclusion of the heart from blood circulation; hypothermia and artificial blood circulation. p 325.

(DNLM)

GRUDNAIA KHIRURGIIA [THORACIC SURGERY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.5, no.5, Sep.-Oct.1963

Table of contents translated:

Bogolepov, N.K., Kolesnikov, S.A., Badalian, L.O. - Pathogenesis and clinical aspects of cerebral embolism in mitral commissurotomy. p.3.

Kovesh, E.L., Guseva, A.N. - X-ray observations of heart and lung changes following mitral commissurotomy. p.9.

Fedorova, R.G., Khomiakov, IU.S. - Change in the tracheal bifurcation angle in mitral stenosis X-ray observations. p.15.

Maliavin, G.T., Volynskii, IU.D. - Clinical aspects and treatment of Fallot's tetralogy with left-right blood shunt. p.19.

Serova, E.V. - Surgical anatomy of the coronary sinus. p.24.

Toporov, G.N. - Surgical anatomy of the pericardial cupola. p.27.

Krasnov, E.A. - Graphic registration of sounds from the heart surface and major vessels in surgical interventions. Preliminary report. p.30.

Gasparian, S.A., Akopian, V.G. - Prevention of hazardous hemodynamic changes in occlusion of the thoracic and abdominal aortas in experimental renal hypertension. p.33.

Kakiteliashvili, IA.V. - Immediate and late results of the surgical treatment of pulmonary tuberculosis with large and gigantic caverns. p.41.

Kolesnikov, I.S., and others. - Resection of the basal segments of the lungs. p.46.

Zislin, B.D. - Lung resection in conglomerate silicotuberculosis. p.51.

Bogush, L.K., Sovorov, V.S., Didenko, V.F. - Repeated suture of the stump of the main bronchus with fistula resection following pneumonectomy. p.54.

Vol'-Epshtein, G.L., Tapinskii, L.S. - X-ray diagnosis of various forms of bronchiectasis. p.60.

Sigal, M.Z. - Transillumination examination in surgery on the esophagus. p.64.

Ostroverkhov, G.E., Suvorova, T.A., Toshchakov, R.A. - Segmental plastic surgery on the thoracic portion of the esophagus in cicatricial strictures and cancer. p.67.

Lur'e, A.S. - Ligature of the thoracic lymphatic duct in surgery on the esophagus. p.74.

Kotlukova, T.V. - Insufficiency of the esophago-gastric and esophago-intestinal anastomosis following radical surgery for cancer of the cardia and esophagus. p.76.

Liubicheva, Z.L., Uvarov, B.S. - Anesthesia in special examinations of the heart and major vessels. p.81.

Kolesov, A. P. - Aneurysms of the cardiac interventricular septum. p. 86.
TSukerman, G. I., Losand, A. D., Kyo, E. P. - Case of successful surgical treatment of acute intestinal obstruction in thromboembolism of the mesenteric vessels in a patient on the third day after mitral commissurotomy. p. 89.
Petersen, B. E., Pirogov, A. I., Simtovich, V. B. - Simultaneous bilateral superior lobectomy in bilateral primary cancer of the lungs. p. 90.
Kus'michev, A. P., Shadaitskaia, I. A. - Metallic foreign body (knife fragment) in the left main bronchus. p. 94.
Grebennikova, A. T. - Thrombosis of the superior vena cava in constrictive pericarditis. p. 94.
Kosogorov, L. I., Bondarenko, V. V. - Case of spontaneous recurarization following administration of relaxants of the nondepolarizing type. p. 97.
Koval'ev, V. N. - New method of attaching the electrodes of an implanted electric stimulator. p. 98.
[illegible], V. G. - Echinococcosis of the heart, on the 100th anniversary of the first report in Russia on echinococcosis of the heart. p. 100.
Nemchenko, V. I. - Open heart surgical treatment of mitral insufficiency. p. 103.
Kolesov, V. I. - Review of V. I. Burakovskii's book "Dry heart" during hypothermia in surgery on congenital heart defects." p. 110.
Kvale, V. P., [illegible], B. B. - Review of E. E. Abarlaneis's book "X-ray observations following radical surgery on the lungs." p. 110.
Zhelikov, N. N. - Review of P. I. Antrov's book "Plastic surgery on the trachea and bronchi." p. 112.
Vail', S. - Review of I. D. Kryinskii's book "Pathological anatomy of congenital heart defects and complications following their surgical treatment." p. 113.
Abstracts. p. 116.
(DSLM)

VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 38, no. 1, Jan. 1964.

Table of contents translated:
Avetisian, G. K. - Triple artificial inoculation of Kaufmann-Wolf Epidermophyton. p. 3.
Volkov, V. P. - Free amino acids in the blood and urine of patients with some forms of dermatosis. p. 9.
Mitov, N., Ivanov, I. - Autoantibodies in some dermatoses detected by the indirect Coombs' test. p. 19.
Shteinberg, M. A., Cherkasov, IA. A. - Rheumatic fever and the skin. p. 22.
[illegible], E. B., Turyiskaia, E. M., Buslar', Z. N. - Lyell's syndrome. p. 25.
Antonov, A. M., Vatulina, V. M. - Result of the treatment of chromomycosis patients with amphotericin B. p. 30.
[illegible], M. M., and others. - Perhydrol in the treatment of some chronic dermatoses. p. 32.
Aparovskaia, IU. N., Minsker, O. B., Buleeva, T. G. - Etiology of [illegible], a review of literature. p. 34.
[illegible], L. N. - Lipoproteins in the blood serum of patients with seroresistant syphilis. p. 41.
Miller, M. V. - How to evaluate a positive serological reaction following the completion of antisyphilitic treatment. p. 44.
Antaiev, A. F. - Frequency of urogenital trichomoniasis incidence in males. p. 48.
[illegible], N. K. - Methodology of health education in the prevention of epidermophytosis. p. 53.
Salakhiev, A. V. - Experience in the use of ammifurin and beroxan in the treatment of alopecia areata. p. 59.
Kartin, M. I., Kleiman, G. IA. - Treatment of psoriasis with vitamin B_{12} combined with folic acid. p. 61.
Surovov, V. A., Kozhevnikov, P., Shtein, A. A. - Book reviews. p. 63.
Abstracts. p. 67.
In memoriam of Aleksandra Dmitrievna Troitskaia. p. 83.
Vasil'ev, T. V. - Annotations on dissertations. p. 84.
(DSLM)

16. AGRICULTURE

a. GENERAL

AGROBIOLOGIIA [AGROBIOLOGY]. Issued by Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina [All-Union Lenin Academy of Agricultural Sciences]. Moscow, no. 1(145), Jan.-Feb. 1964.

Table of contents translated:
Alekseev, V. A. - Immortality of a great discovery; centennial of the publication of the Russian translation of Charles Darwin's "Origin of species." p. 3.
Manorik, A. V., Vasil'chenko, V. F. - Biologically active substances of organic fertilizers and their importance in plant nutrition. p. 10.
Lazarev, S. F. - Microbiological processes in soils of the natural zones in Central Asia. p. 20.
Berezova, E. F., Sorokina, T. A., Kochunova, T. A. - Fertility of composted areas. p. 37
Kopanitsa, A. M. - Fertilizers for potatoes in dark-gray podzolized soils. p. 41.
Arutiunian, A. S. - Effectiveness of organic-mineral fertilizers in vineyards. p. 46.
Khrushcheva, E. P. - Effect of fungicides and insecticides on the development of corn mycorrhiza. p. 49.
Kudrina, G. A., Sakharov, P. P. - Transformation of micro organisms by various fractions of microbial allergens. p. 54.
Kostikov, K. V., Bocharov, S. N. - Effect of temperature on the hereditary variability of the fermentative properties of yeast. p. 65.
Iordan, K., Ivanov. - Controlled nutrition of grapevine ovaries for the development of new forms. p. 69
Mamporiia, F. D. - Biological incompatibility as exemplified by the intergeneric hybridization of lemon with Poncirus trifoliata. p. 77.
Voznlakovskaia, IU. M., Nurzhanov, U. S. - Effect of the products of microbial metabolites on the energy of seed germination. p. 89.
Matiashvili, A. D - Biological characteristics of the growth and fruiting of grapes. p. 96.
Bui, Gui, Dap. - Sensitivity of some rice types to the length of day [translated from the French]. p. 101.
Marushev, A. I., Kunakov, V. A., Astakhova, N. K - Effect of the damage caused by shield bug Eurygaster integriceps on the quality of the wheat grain in the following crop. p. 110.
Sozinov, A. A., Kozlov, V. G. - Importance of the environmental conditions in the formation of the technological qualities of the grain of winter wheat p. 115.
Avotin Pavlov, K. IA. - Planting in clusters in the afforestation of heathlands in Latvia. p. 120.
Kozhaeva, K. I - All-Union Symposium on Cotton Wilt p. 126.
Aleksandrov, A. B - Further improvement in cottonseed breeding and production p. 129.
Danin, M. S - Centennial of A. A. IAchevskii's birthday. p. 137
Kurguzov, P. I. - Simultaneous placement of trace elements and bacterial fertilizers. p. 142.
Lyaikov, V. N. - Influence of ionized radiations on corn. p. 143.
Koval', A. F. - Resistance to Swedish fly of corn samples differing in their cold tolerance. p. 147.
Fesenko, N. V. - Effect of reproduction conditions on the biological and economic indices of buckwheat. p. 149
Veselova, K. P - Fertility of winter rye in intraclonal pollination p. 151.
Zakharenko, V. A. - Using carbine for controlling wild oats in wheat fields. p. 153.
Sakhautdinova, D. A. - Planting oak in clusters. p. 155
Neiman, N. F., Sorkina-Finkel', L. I. - From the pages of foreign biological and agricultural publications. p. 158.
Books sent to the editor for comment p. 159.

AGROKHIMIIA [AGROCHEMISTRY]. Issued by Akademiia nauk SSSR and Ministerstvo sel'skogo khoziaistva SSSR [Academy of Sciences of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 1, Jan. 1964

Table of contents translated:
To the reader. p. 3.
Siniagin, I. I. - Intensification of agriculture and current problems of agricultural chemistry. p. 6.
Sokolov, A. V. - Agrochemical condition of soils and the use of mineral fertilizers. p. 12.
Naidin, P. G. - Distribution of mineral fertilizers under grain crops. p. 23.
Davtian, G. S. - Soilless culture of plants and outlook for the development of hydroponics. p. 31.
Nichiporovich, A. A. - Photosynthesis and mineral fertilizers. p. 40.
Antipov-Karataev, I. N., Kader, G. M. - Soda-type Solonets soils and methods for their melioration. p. 53.
Nilum, D. G. - Effect of soil reaction on the effectiveness of slowly acting nitrogen fertilizers. p. 63.
Katalymov, M. V. - Iodine in agricultural chemistry. p. 69.
Peterburgskii, A. V. - Effect of molybdenum and vanadium on the yield and chemical composition of peas. p. 81.
Koval'skii, V. V., Maslianaia, M. K. - Endemic lodging of cereal plants. p. 93.
Chesalin, G. A. - Herbicides as an important factor in the increase of crop yields. p. 110.
Krumbilin, A. S., and others. - Morphogenesis and mineral nutrition of the seed plants of biennial crops. p. 117.
Burkin, I. A. - Molybdenum as a trace element fertilizer and its toxicity in livestock feeds. p. 123.
Sorokin, V. N. - Growth of annual tree seedlings under the effect of mineral fertilizers. p. 127.
Magnitskii, K. P. - Problems in determining the nutrient requirements of plants. p. 129.
Sokolov, A. V. - "Organic matter of soil, its nature, properties and methods of study" by M. M. Kononova. p. 141.
Balashov, L. L. - "Fertilizing grain and pulse crops" by P. G. Naidin. p. 142.
Zhurbitskii, Z. I. - Nikita Sergeevich Khrushchev and Fidel Castro Ruz on the "Belaia Dacha" State Farm. p. 143.
Vol'fkovich, S. I. - Research on fertilizers and agricultural chemistry in 1963. p. 145.
Genkel', K. P. - Session on the physiology and biochemistry of seeds. p. 149.
Sokolov, A. V., Turchin, F. V., Shkonde, E. I. - Eightieth birthday of Fedor Vasil'evich Chirikov. p. 151.

KAZAKH S.S.R Upravlenie propagandy
pichoskoi i
matelia po
of Propaga
nation. Sc
culture]. Alma-Ata, nos. 3-4, 1964.

KHIMIIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the *Ministry of Agriculture of the U.S.S.R.*]. Moscow, vol. 2, no. 4(6), Apr. 1964.

Table of contents translated:
Mosolov, I. V. - Effect of nitrogen mineral forms on the free amino acid content of amides in the bleeding *sap of corn.* p. 2.
Imangaziev, K. I. - Effect of fertilizers on the yield of industrial crops in the irrigated areas of Kazakhstan. p. 9.
Solovtsova, G. A. - Effect of the various amounts of lime on the available molybdenum content of soil and the effectiveness of molybdenum fertilizers. p. 13.
Strebkov, I. M. - Methods of using potash in agriculture. p. 16.
Shogam, S. M., Egorova, L. I. - Studying the stability of chlorophos. p. 21.
Derlabin, V. I. - Fertilizers combined with systemic poisons in the control of cotton sucking pests. p. 24.
Ladyzhenskaia, N. V., Gulidova, L. A., Skazkina, T. P. - Effectiveness of corn disinfectants as related to the moisture and temperature of soil in the period from planting to sprouting. p. 26.
Skazkina, T. P., Treml', A. G., Zharkov, V. I. - Using superphosphates with insecticide supplements in the protection of corn against wireworms. p. 29.
Fliagina, A. V. - Preparations for controlling the gnawing pests of cruciferous plants. p. 31.
Maslov, A. D. - Mist spraying against elm bark beetles. p. 33.
Kliueva, P. M. - Duration of the toxic action and aftereffects of simazine and atrazine. p. 35.
Matveenko, G. A. - Weed control in millet fields using atrazine, propazine, an
Korenev, N. N. - Use of di
tol in sugar beet fields

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO KIRGIZII [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA]. I[illegible]sued by Ministerstvo proizvod- [illegible]

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDAVII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Moldavskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Moldavian S.S.R.]. Kishinev, vol. 9, no. 8, Aug. 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO RSFSR [COLLECTIVE AND STATE FARM PRODUCTION OF THE R.S.F.S.R.]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Moscow, nos. 6-7, June-July 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol. 18, nos. 6, 8-9, June, Aug.-Sep. 1964.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURKMENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Turkmenskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Ashkhabad, vol. 8, no. 7, July 1964.

KOSTROMA. SEL'SKOKHOZIAISTVENNYI INSTITUT "KARAVAEVO." Trudy ["KARAVAEVO" AGRICULTURAL INSTITUTE. Transactions]. Moscow, no. 3, 1963.

Table of contents translated:

Koroleva, N. IU. - Results of testing corn varieties p. 3
Sidorova, V. I. - Effect of organic-mineral fertilizers on the yield of corn green bulk p. 11
Nikitina, T. F. - Effectiveness of treating seed corn with poisonous chemicals before sowing in the control of wireworms. p. 16.
Krylov, A.V., Obukhova, O.V., Golubeva, E.M. - Sugar beet, its productivity, development, and some methods for growing it for forage in Kostroma Province. p. 20
Bodrov, I.K. - Effect of the density of planting and the depth of embedding the tubers on the yield of early "Epron" potato. p. 33.
Krylov, A. V., Makulova, E. V. - Method of sowing forage beans for seed in Kostroma Province. p. 43
Sidorov, I. S., Petrova, I.S. - Green fallowing as the most important factor in an increase of the production of feeds. p. 49.
Obukhova, O.V. - Cultivation practice methods for the improvement of the quality of the stem of L-1120 flax. p. 57.
Karaseva, A.M. - Effect of the rolling of soils on the yield of flax. p. 62.
Isakova, A.A., Aniskina, Z.N., Makulova, E.V. - Response of some flax varieties to bacterial fertilizers. p. 70.
Zikherman, Kh. IA. - Moisture and aeration conditions of loamy turf-medium Podzolic soils under subsoiling and cultivating the top soil. p. 95.
Kasatkin, M.I., Kiseleva, T.N. - Effect of manganese used with peat on the yield and quality of some crops p. 107.
Kasatkin, M.I. - Effect of mineral fertilizers used with peat. p. 113
Dzhurko, M.S. - Content and dynamics of trace elements in the soils of Kostroma Province. p. 119.
Oleshko, V.D. - Effect of trace elements on the yield and quality of common onion. p. 127.
Krasnova, E.M., Pavlova, L.A. - Diagnosis of plant nutrition using the V.V. TSerling method in field conditions. p. 131.
Krasnova, E.M. - Growth and development of wild rice as related to temperature. p. 137.
Shaumian, V.A. - Basic problems of a further improvement of Kostroma cattle. p. 143.
Grishchenko, N.N. - Characteristics of the leading lines of Kostroma cattle p. 148.
Kuz'minov, P.I. - Controlling sterility in cattle on some collective farms in the Kostroma District p. 158
Il'inskii, A.A. - Use of potatoes in raising Kostroma dairy cattle. p. 165.
Ainabaev, B. D. - Fattening castrated bull calves on distiller's grains. p. 174.
Grachev, F.A. - Use of crossbred boars in crossbreeding for market purposes. p. 179.
Shevyrev, A. D. - Comparative effect of corasole and cordiamine on the cardiovascular system and respiration of cattle. p. 184
Nesterova, K.S. - Increasing the productivity of animals as a way of reducing costs. p. 191.
Lebedeva, N.N. - Some achievements on the farms of the Institute in 1961. p. 199
Koval'skii, V.D. - Studying the wear of some connecting pairs with nonantifriction alloys in truck and tractor engines. p. 207.
Skripkin, S.P. - Magnetic-inertial fuel injector for the injection of light fuel into internal combustion engines p. 212.
Strunnikov, N.F. - Use of tractors at increased speeds on the training farms of the Institute. p. 218.
Sobolev, L. M. - Effect of some parameters on carburetion mixing in a precombustion engine. p. 226.
Porfir'ev, S. G. - Ways of increasing the efficiency of flax threshing units. p. 234.
Kozlov, V.V. - Studying the physical and mechanical properties of potatoes for the substantiation of the technology of harvesting by the pulling method with simultaneous digging. p. 242.
Metelitsa, B.Z. - Graphic analysis calculation of the couplings of free running. p. 255.
Sobolev, L.M. - Substantiation of the feed system of a gas engine with a torch igniter. p. 267.
Bazhenova, K. N. - Testing some machines for spreading peat-mineral fertilizers. p. 278.
(DNAL)

KREST'IANKA [THE PEASANT WOMEN]. Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 42, no. 8, Aug. 1964.

LENINGRAD. AGROFIZICHESKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Biulleten' nauchno-tekhnicheskoi informatsii po agronomicheskoi fizike [AGROPHYSICAL SCIENTIFIC RESEARCH INSTITUTE. Bulletin of Scientific and Technical Information on Agronomic Physics] No. 5/6, 1959.

Table of contents translated:

Preface. p. 3.
Rozhanskaia, O.D. - Microclimatic conditions under light-weight covers from translucent films. p. 6.
Pashchenko, T.E. - Growing vegetables with the use of translucent films. p. 12.
Kollaseva, V.A. - Some physical and service characteristics of films. p. 16.
Ermakov, I.E. - Using the thermograms of drying to determine the hydrophysical properties of soil. p. 22.
Globus, A.M. - Role of liquid water in the winter distribution of moisture. p. 32.
Riabova, E.P. - Diffuse radiation received by a ridged surface of soil. p. 36.
Zubkova, S.V. - Growing corn with the use of pelleted mixed organic-mineral fertilizers in Leningrad Province. p. 40.
Kaganov, M.A., and others. - Semiconductor refrigerator provided with a thermostat. p. 42.
Moshkov, B.S., Odumanova, G.A. - Chamber for studying basic physiological functions of leaves in artificial light. p. 49.
Lialin, O.O., Kozlov, G.A. - Prospective methods for determining small quantities of uranium, thorium and radium in soils. p. 54.
Kollasov, F.E. - Movement of water in saturated and unsaturated soils. p. 61.
Kollasev, F.E. - Apparatus for soil moisture measurements used in England. p. 63.
Kollasev, F.E. - Apparatus for the recording of the dew balance. p. 65.
Kollaseva, V., Maksimov, B. - Plastics in agriculture. p. 67.

MEKHANIZATSIIA SIL'S'KOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Ukrains'ke respublikans'ke ob"iednannia "Ukrsil'hosptekhnika" [Ukrainian Republic Association "Ukrsil'hosptekhnika" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 15, no. 8(176), Aug. 1964.

[illegible] [Permanent Committee of the Council for Mutual Economic Assistance on Economic, Scientific, and Technical Cooperation in Agriculture]. Sofia-Moscow, vol. 8, no. 4, 1964.

MOSCOW. MOSKOVSKAIA SEL'SKOKHO[illegible] AKADEMIIA IM. TIMIRIAZEVA. Izvestiia [illegible] ZEV AGRICULTURAL ACADEMY OF [illegible] letin]. no. 6(55), 1963.

Table of contents translated:

Prianishnikov, D.N. - Timiriazev [illegible] p. 3.
Khrzhanovskii, V.G. - Kliment Ar[illegible] riazev in the Petrovskaia Academy [illegible] p. 12.
From K.A. Timiriazev's address [illegible] commencement exercises of the P[illegible] cultural and Forestry Academy, [illegible] 1870. p. 25
Results of 50 years' field experiment [illegible] riazev Agricultural Academy p. [illegible]
Egorov, V.E. - Results of half a [illegible] periments of the Timiriazev A[illegible] with fertilizers, crop rotation, a[illegible] p. 30.
Lykov, A.M. - Role of continuous [illegible] crop rotation, and monoculture [illegible] the organic matter in Podzolic [illegible]
Aleshin, S.N., Shakhmukhametov, M. [illegible] of the mineralogical composition of [illegible] as a result of the use of fertilizers [illegible] of many years. p. 64.
Dospekhov, B.A., Shakhmukhametova, A.A. [illegible] and chemical composition of soil [illegible] than 0.01 mm of size in a continuous [illegible] ment. p. 74.
Mishustin, E.N., Tepper, E.Z. [illegible] crop rotation, monoculture, [illegible] the composition of soil microflora [illegible]
Smirnov, P.M. - Effect of a [illegible] tilizers in crop rotation on the [illegible] of soils. p. 93.
Dospekhov, B.A. - Phosphates in [illegible] tilized soils. p. 104.
Peterburgskii, A.V., IAnishevskii, [illegible] potassium in soils fertilized [illegible] years. p. 113.
Egorov, V.E., Dospekhov, B.A. [illegible] tinuously fertilized soils in [illegible] culture. p. 125.
Gulakin, I.V., Rudintseva, L.V. [illegible] ical use of fertilizers on the [illegible] isotopes in crops. p. 130
Magnitskii, K.P., and others. [illegible] ditions of plant nutrition in a [illegible] periment. p. 151.
Zhdanov, N.Kh. - Estimating the [illegible] of field crops in a continuous [illegible] p. 162.
Timofeev, V.P. - The most important [illegible] of the Forest Experimental [illegible] during the past 100 years. p. 17[illegible]
Popov, I.S., and others. - [illegible] high-yielding cows. p. 191.
Boltinskii, V.N. - Research work [illegible] the operating speeds of tractor [illegible] p. 203.
The June scientific conference of 19[illegible]
Scientific conference on [illegible] logy and plant growing. p. 220
All-Union seminar on the education [illegible] agricultural institutions of higher [illegible] p. 222.
All-Union seminar on microbiology [illegible] and instructors of agricultural [illegible] higher education. p. 224.
All-Union seminar of the heads of the [illegible] of livestock feeding. p. 22[illegible].
All-Union seminar on pond fish culture [illegible]
Table of contents of the journal "Izvestiia [illegible] skoi sel'skokhoziaistvennoi akademii [illegible] p. 230.

MOSCOW. TSENTRAL'NAIA NAUCHNAIA SEL'SKOKHOZIAISTVENNAIA BIBLIOTEKA. Biulleten' [illegible] AGRICULTURAL LIBRARY. Bulletin] [illegible]

Table of contents translated:

Central Agricultural Library. p. 3.
Collections of the Leningrad Branch of the Central Agricultural Library. p. 6.
Valuable additions to the library. p. 8.
International book exchange. p. 10
Subscription publications for 1957. p. 11
Unified reference and bibliographical [illegible] libraries. p. 12.
Catalog of reviews. p. 19.
Recommended minimum of catalogs for libraries [illegible] research institutions. p. 21.
International library loans. p. 23.
Catalog of translations, abstracts, and reviews [illegible] the collections of the Central Agricultural Library. p. 24.
Catalog of bibliographical lists. p. 3[illegible].
New periodicals of the Academy of Agricultural Sciences of the German Democratic Republic. p. [illegible]
Books and readers. p. 47.

No. 1(4), 1959.

Table of contents translated:
Plans of the Central Agricultural Library for 1959-1965. p. 3
The reader has the floor; conference of readers of the Central Agricultural Library. p. 13.
Parkhomenko, E V - Improving productivity and quality of work; results of setting standards. p. 19.
Rakitskii, A. G., IAlkova, A. T., Serov, V. B. - International book exchange is an important means of acquiring publications. p. 24.
Litvin, V. M. - Translations of foreign literature and their use. p. 30.
Gubina, T. I. - Weekly notices of new acquisitions of foreign agricultural literature p 36.
Rusakovskii, S. - Discussion by readers of foreign literature, practices of the Library of the All-Union Plant Breeding and Genetic Institute. p. 40.
Catalog of translations, abstracts, and reviews in the collections of the Central Agricultural Library. p. 43.
Catalog of bibliographical lists issued during quarters 1-3 of 1958. p. 70.
Interest in Soviet scientific literature. p. 83.
Translations of scientific literature in the Library of the Special Libraries Association in the United States. p. 83.
New American center of technical information for the translation of Soviet scientific and technological literature. p. 84.
"People who never refuse their help." p. 85.
Agriculture and forestry documentation in Czechoslovakia. p. 86.

PERM. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. vol. 18, nos. 6-8, 1963.

*POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, July 1964.

Table of contents translated:
Peive, J., and others. - Mapping trace element contents of soils on a collective farm and estimating the effectiveness of the use of fertilizers. p. 1.
Rode, A. A. - Podzolization and lessivage. p. 9.
Boruk, A. IA., Stalbov, R. IA. - Use of land evaluation materials in the analysis of the agricultural activities on the collective farms of the Latvian S.S.R. p. 23.
Rubtsov, D. M. - Gleyey-slightly Podzolic soils, taiga lytogenic gleyey-Podzolic soils. p. 28.
Abrosimova, L. N., Revut, I. B. - Biological activity and the composition of the air of the plowing layer of the soil. p. 34.
Golub, T. F. - Biochemical processes in virgin and reclaimed peat-bog soils. p. 45.
Mel'chanov, V. A. - Effect of oak plantations on the humus content of dark Chestnut and Ciscaucasian Chernozem soils. p. 54.
Lishtvan, I. I., Mamtsis, A. M., Churaev, N. V. - Studying the cation composition of the absorbing complex of lowland peats. p. 60.
Aderikhin, P. G., Tikhova, E. P., Churilina, IU. G. - Phosphorus forms in the soils of Central Chernozem Provinces. p. 68.
Kruglova, E. K. - Zinc and its forms in the virgin and long-irrigated soils of the Golodnaya Steppe and in cotton plants. p. 76.
Zaidel'man, F. R., Vinogradov, V. G. - Studying moisture conditions and physical characteristics of heavy-textured turf-Podzolic soils. p. 80.
Sidorov, I. S. - Characteristics of the water conditions of Chernozem soils in 10-field crop rotation. p. 93.
Novak, F. - Mapping the soil cover. p. 104.
Vasil'ev, IU. M. - Rapid method of determining the rolling boundary. p. 105.
Filippova, V. N., Mysina, L. A. - Use of the Barger method for determining the osmotic suction of soil solutions. p. 107.
Koltunov, IU. B. - Determination of water soluble and exchangeable sodium under field conditions using glass electrodes with Na-function. p. 110.
Gerasimov, I. P. - Comments on the soil map of Italy. p. 112.
Askinazi, D. L. - S. N. Ivanov's book "Physicochemical conditions of phosphates in peat and turf-Podzolic soils." p. 114.
Antropov, T. F. - I. D. Braude's book "Binding and reclaiming gullies, ravines, and steep slopes." p. 116.
Nikonov, M. N., Vinogradov, IA. I. - International Congress on Peat in Leningrad. p. 123.
Askinazi, D. L., and others. - In memory of O. K. Kedrov-Zikhman. p. 126.
Bibliography. p. 128.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 15-16, Aug. 1964. Avtorskii ukazatel' za 1963 g. [Author Index for 1963].

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 12, no. 12(156)-15(159), June-Aug. 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Moscow, vol. 2, nos. 5, 8, 1964.

SE[illegible]

ment of Agricultural Products of the R.S.F.S.R.]. Krasnodar, vol. 2, no. 8, Aug. 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Omsk, nos. 7-8, July-Aug. 1964.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR [Ministry for the Production and Procurement of Agricultural Products of the R.S.F.S.R.]. Sverdlovsk, vol. 2, no. 8, Aug. 1964.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandussaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol 19, nos. 15-16, July 1964. [In Estonian]

VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sil's'koho hospodarstva Ukrains'koi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol. 7, no. 8, Aug. 1964.

b ANIMAL INDUSTRY

KERCH. AZOVO-CHERNOMORSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFII. Trudy [AZOV-BLACK SEA SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Transactions]. No. 21, 1963. [New developments in fishing techniques and fish processing technology.]

Table of contents translated:
Samarianov, A. N. - Effect of the trawling speed rate on the changes in the trawl net parameters and tension. p. 3.
Sharapov, E. G. - First industrial testing of set gill nets made from lavsan and anid in the Sea of Azov. p. 15.
Vinnov, S. S. - Experimental fishing from whalers. p. 18.
Goremykina, N. I. - Basis for the establishment of waste and loss norms in the industrial processing of fish. p. 29.
Shumilova, M. N. - Improving the formula for domestic spices mixture in the salting of anchovies. p. 31.
IAkovleva, Z. A., Ruban, I. G., Parshina, Z. S. - Drying of goby in a conveyor steam dryer. p. 36.
Khristoferzen, G. S., Timofeeva, N. V. - Technological and chemical characteristics of the Atlantic sardine and causes of the deterioration of its quality during industrial processing. p. 40.
IAkovleva, Z. A. - Studying the characteristics of Atlantic fish. p. 46.
Golovin, A. N. - Mass losses and vitamin A content changes in whale liver during storage. p. 50.
Koval'chuk, G. K. - Effect of proteolytic enzymes on fish proteins in the presence of antiseptics. p. 53.
Khristoforidi, Kh. G., Gerasimov, V. G. - Mechanization of the sealing of tight barrels. p. 60.
Alpatikova, L. S. - Economic efficiency of using Black Sea anchovies for the production of feed meal and oil. p. 63.

KONEVODSTVO I KONNYI SPORT [HORSE BREEDING AND EQUINE SPORTS]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 34(109), no. 8, Aug. 1964.
(DNAL)

KROLIKOVODSTVO I ZVEROVODSTVO [RABBIT BREEDING AND FUR FARMING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, no. 8, Aug. 1964.
(DNAL)

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Izvestiia [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES. Bulletin]. Vol. 55, 1963. [Chemical method of the transformation of lakes with respect to their use for fish culture.]

Table of contents translated:
Foreword p 5
Burmakin, E. V. - Chemical method of the transformation of lakes with respect to their use for fish culture, preliminary results and prospects for the future. p. 7
Mantel'man, I. I. - Polychloropinene concentrations lethal to some freshwater invertebrates serving as food for fish. p. 18.
Burmakin, E. V - Polychloropinene concentrations lethal to some freshwater fishes p 26
Mantel'man, I. I, Slutskii, E. S. - Possibility of using biological indicators for the determination of the residual toxicity of water in lakes treated with polychloropinene. p 30
Balashev, R. I, Nikolaev, B A. - Mechanical sprayer for chemical treatment of lakes. p. 34
Abrosov, V. N., Zabegalina, N. A - Changes in the hydrochemical conditions of Lake Okunevets under the influence of liming and fertilizing p 38
Baranov, I V., Pshenina, T. I. - Effect of lime and nitrogen-phosphorus fertilizers on the hydrochemicals conditions and primary production of Lake Zhemchuzhnoye. p. 47.
Abrosov, V. N. - Theoretical prerequisites for the transformation of acidotrophic lakes into eutrophic lakes p 60
Vladimirova, T. M. - Changes in the zooplankton and zoobenthos of Lake Zhemchuzhnoye treated with polychloropinene p. 70.
Gordeeva-Pertseva, L I - Dying and revival of zooplankton in small Karelian lakes treated with polychloropinene. p 84
Maksimova, G. D - Food resources of Lake Okunevets. p. 94.
Burmakin, E V. - Cultivation of the whitefish Coregonus peled and carp in a lake after the fish population has been destroyed by polychloropinene. p. 101.
Popov, E P. - Preliminary results of rearing the whitefish Coregonus peled and carp in Lake Zhemchuzhnoye p. 108
Erlik, V. V. - Materials on the rearing of young carp in a conditioned lake. p 112.
Gulin, V. V. - Determination of the coefficient of survival of fish larvae in specially conditioned lakes p 115.
Strelkov, IU A. - Parasites of carp and the whitefish Coregonus peled from some lakes previously cleared of fish by polychloropinene p. 124.
Ponedelko, B. I. - Prospects for fish farming in small chemically conditioned lakes p. 127.
Kal'nibolotskii, A. A. - Economical efficiency of fish farming in small chemically conditioned lakes. p. 135

MATERIALY RYBOKHOZIAISTVENNYKH ISSLEDOVANII SEVERNOGO BASSEINA [MATERIALS OF FISHERIES RESEARCH IN THE NORTHERN BASIN]. Issued by Poliarnyi nauchno-issledovatel'skii i proektnyi institut morskogo rybnogo khoziaistva i okeanografii [Polar Scientific Research and Design Institute of Marine Fisheries and Oceanography]. Murmansk, no. 1, 1963.

Table of contents translated:
IUdanov, I. G. - General results of the studies on the evaluation of the state of Atlantic and Scandinavian herring stock. p. 3.
Truskanov, M. D., Shcherbino, M. N. - Echometric survey of herring schools in the Norwegian Sea in 1962. p. 6.
Benko, IU. K. - Herring fisheries in the summer of 1962 in the Norwegian Sea and prospects for the June-August months of 1963. p. 10.
Zilanov, V. K. - Some results of the observations on approaches and fisheries of young herring in the Lofoten Islands region in 1963. p. 13.
Degtiarev, A. A. - Method of the purse seining of herring with the help of echo-sounding devices. p. 17.
Barkov, O. A. - Some results of fishery development in the David Strait region. p. 21.

[illegible], V. P. - Influence of fisheries on the structure of [illegible] Sebastes mentella [illegible]. p.22.

[illegible], K. G. - Advantages of a large mesh trawl [illegible] medium-size and large fishes. p.25.

[illegible] - Yield analysis of cod and haddock [illegible]

[illegible], D. M. - State of natural resources of [illegible] fisheries with a drift net in the Barents [illegible] 1962 and prospects for 1963. p.31.

[illegible], B. V. - Causes for different [illegible] rate of pink salmon parents in 1960-1962. [illegible]

[illegible], V. I. - [illegible] young pink salmon during the first summer of its life and methods for [illegible] availability. p.31.

[illegible], G. I. - Hydrological conditions of [illegible] rivers falling into the White Sea, the problem of the acclimatization of the pink salmon. p.36.

[illegible], M. G., Sefedova, P. P. - Influence of water temperature changes during the year on the incubation [illegible] and availability of salmon larvae. [illegible]

[illegible], I. N. - Effectiveness of the natural spawning of salmon. p.43.

[illegible], IU. I. - Acclimatization of the Kamchatka and [illegible] crabs in the Barents Sea. p.46.

[illegible], P. Sc., [illegible], V. A. - Study of seals in the Jan Mayen region. p.49.

[illegible], P. Sh. - Materials on the morphological characteristics of three schools of the harp seal. p.51.

[illegible], I. S. - Methods and practice of the economic analysis of the work of the fishing fleet in northern seas. p.54.

Zakurdaev, V. I. - Economics of a trawler on "fresh fish" cruises. p.56.

[illegible], N. I. - Determination of the potassium content of fish tissues by the method of flame photometry. [illegible]

[illegible], A. A. - Long-term variability of the thermal regimen of waters and ice conditions in the North Atlantic. p.62.

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, nos. 8-9, Aug.-Sep. 1964.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY. Transaction]. Vol. 25, 1963.

Table of contents translated:

Vsiakikh, A. S. - Work results of the All-Union Scientific Research Institute of Animal Husbandry for 1961. p. 3.

Levantin, D. L. - Age-related changes in the weight of the skeleton and muscles of Simmenthal cattle. p. 34

Ernst, L. K. - Method of obtaining dated embryological material from cattle. p. 48.

Koriazhnov, E. V. - Breed distinctions in the growth of muscle tissue and fat deposition in fattening swine for meat. p. 52.

Koriazhnov, E. V. - Meat quality of swine and the morphology of the thyroid gland. p. 60.

Kleimenov, N. I. - Raising Yaroslav' heifers on various amounts of milk. p. 63.

Milovanov, V. K., Sytina, M. V., Kuleshova, V. G. - Optimal type of feeding male breeding stock. p. 70.

Sokolovskaia, I. I., and others. - Change in the physicochemical characteristics of cervical secretion in cows due to the change in sexual and maternal dominance. p. 88.

Smirnov-Ugriumov, D. V. - Effect of the feeding of male rabbits on the resistance of semen to cold shock. p. 104

Sokolovskaia, I. I., Drozdova, L. D. - Action of some factors on fertilization and sex ratio in mammals. p. 109.

Khabibullin, Kh. Kh. - Oxidation-reduction processes in ruminant semen and their change under the action of synthetic media. p. 123.

Raetskaia, IU. I. - Change of milk protein fractions in the course of lactation. p. 132.

Markova, K. V. - Changes in the protein content of milk within a breed. p. 139.

Tomme, M. F., Martynenko, R. V., Demina, A. A. - Studying the digestibility of feeds by the method of inert indicators. p. 148.

Nesterova, E. A., Kruskina, N. F. - Vitamin D activity of irradiated yeast. p. 165.

Gavrilova, O. A. - New antibiotics in poultry raising. p. 174.

Tkachev, E. Z. - Change in the nutritional processes of fattening swine under the effect of betazin. p. 187.

Popekhina, P. S., Tarasevich, G. M., Osipov, M. G. - Accelerated fattening of swine by the addition of betazin to their rations. p. 194.

Prakhin, M. E. - Preserving the meat of marine animals and the blood of farm animals. p. 201.

Buitov, S. V., Abrosimova, R. S. - Effect of ultraviolet rays on the growth of lambs. p. 207.

Ustinov, D. A., Kozunin, I. I. - Penetration of ultraviolet rays through the hair coat of calves. p. 212.

Paducheva, A. L., Molchanova, A. A. - Using prolan (chorionic gonadotropin) for promoting multiparity in sheep. p. 216.

Paducheva, A. L. - Characteristics of the utilization of sulfur-containing compounds for the formation of hair in various animals (experiments with radioactive sulfur) p. 221.

Chemm, V. A., Aleksandrova, L. S. - Progressive forms of the organization of work in sheep raising. p. 234.
(DNAL)

REFERATIVNYI ZHURNAL ZHIVOTNOVODSTVO, VETERINARIIA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS. ANIMAL HUSBANDRY VETERINARY MEDICINE (Separate Issue 58)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos. 14-16, July-Aug 1964

ROSTOV-ON-DON. AZOVSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA. Trudy [AZOV SCIENTIFIC RESEARCH INSTITUTE OF FISHERIES. Transactions] No. 6, 1963. [Research on fish resources and the conditions of their life in the Azon basin.]

Table of contents translated:

Gun'ko, A. F., Aldakimova, A. IA. - Materials on the feeding habits of Calanipeda aquae-dulcis (Crustacea, Calanoida) in the Sea of Azov. p. 3.

Shelomov, I. K., Sokolova, E. V., Ivchenko, S. I. - Flow of biogenic elements in the Don River. p. 7.

Spichak, M. K. - Conditions of the formation and characteristics of continental runoff and the salinity of the Sea of Azov. p. 17.

Spichak, M. K. - Elements of thermal balance and their role in the formation of the hydrometeorological regime and primary productivity of the Sea of Azov. p. 27.

Shelomov, I. K., Aldakimova, A. IA. - Production of organic matter in the Sea of Azov in 1960. p. 33.

Aksenova, E. I. - Materials on the phytoplankton of the lower Don River and adjacent bodies of water. p. 43.

Aksenova, E. I., Sokolova, E. V. - Determination of primary production in Tsimlyansk and Veselyy Reservoirs. p. 63.

Kudelina, E. N., Zhuravleva, S. K. - Feeding habits of copepods and barnacle larvae in the Sea of Azov. p. 71.

Kudelina, E. N. - Daily ration of the fry of the gobies Neogobius melanostomus Pallas and Gobius cephalargens Pallas in the early stages of development. p. 83.

Maiskii, V. N. - Materials on the biology of the goby Neogobius syrman (Nordmann). p. 95.

Mikhman, A. S. - Fecundity of the gobies Neogobius melanostomus Pallas and N. syrman (Nordmann). p. 105.

Methods of estimating the abundance of young gobies in the Sea of Azov. p. 111.

Abaev, IU. I., Bogucharskov, V. T. - Conditions for the survival of young roaches (Rutilus rutilus heckeli) in the Beysug Liman and methods of improving the efficiency on the Beysug Fish Spawning and Rearing Farm. p. 119.

Abaev, IU. I., Krylova, A. G. - Feeding habits of young roach (Rutilus rutilus heckeli) in the Beysug spawning ground and liman. p. 127.

Krylova, A. G. - State of the food supply and feeding habits of young pike perch and roach (Rutilus rutilus heckeli) on the Akhtari Fish Spawning and Rearing Farm. p. 133.

Kurdova, L. G., Kharin, N. N. - Dynamics of the food supply in Sukhoy and Yurchevskiy Limans under conditions of commercial fish culture. p. 143.

Teplova, E. P. - Feeding habits of cultivated and wild carp reared in the Kuban limans. p. 163.

Deeva, T. A. - Significance of the vitamins of green aquatic vegetation in rearing young-of-the-year carp. p. 179.

Zhdanova, N. N. - Feeding habits of young pike perch on the Uzyak Fish spawning and Rearing Farm in the lower Don Valley in 1958-1960. p. 189.

Zhdanova, N. N. - Growth of young pike perch in the rearing ponds of the Uzyak Fish Spawning and Rearing Farm in the lower Don Valley. p. 217.

Kamyshina, A. D. - Dynamics of the parasite fauna of young bream and pike perch on fish spawning and rearing farms of the Don Delta. p. 229.

Zaidiner, IU. I., Gol'dman, I. IA., Averkiev, F. V. - Comparative evaluation of the cost of young sturgeons using various commercial rearing methods. p. 241.

Boiko, E. G., Makarov, E. V. - Evaluation of [illegible] tiveness of commercial cultivation of young [illegible] pike perch and bream. p. 253.

VETERINARIIA [VETERINARY MEDICINE]. [illegible] Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 41, no 4, Apr. 1964.

Table of contents translated.

Pliashchenko, S. I. - Contribution of veterinary specialists to the development of animal [illegible] p. 1.

Ashepa, M. B., [illegible], A. T. - How we take care of young farm animals. p. 3.

Fonshtein, IU. A. - Shockworkers of communist [illegible] p. 5

Smirnova, G. A., Stakhanova, V. M. - [illegible] properties of the influenza virus of animals. p. 7

Arkhipov, N. I. - Histochemical study of [illegible] proteins and glycogen of myocardium in [illegible] p. 12.

Rudikov, N. I. - Methods of the diagnosis of [illegible] infectious encephalomyelitis in horses. p. 14

Boikov, IU. I. - Indication of Bacillus anthracis by means of the medium developed by the [illegible] State Institute for the Testing of Medical [illegible] Preparations. p. 16.

Abramov, L. P. - Susceptibility of camels to [illegible] types of Mycobacterium tuberculosis. p. 19

Shchurovskii, V. E. - Allergy and the [illegible] complement fixation in the experimental para tuberculosis of goats. p. 20.

Khashimov, A. U. - Survival of the pullorum disease agent in external environment. p. 21.

Vereshchagin, M. N., and others. - Infection [illegible] p. 25.

Protasenia, T. P., Nikolaev, D. N. - Pathogenesis [illegible] leukemia in cattle. p. 32.

Togitov, V. S., Konopel'ko, P. IA. - [illegible] animals. p. 34.

Malygin, V. I., and others. - Infection of cattle [illegible] the tuberculosis agent of human type. p. 37

Galmullin, T. R. - Raising healthy calves from [illegible] infected with paratuberculosis. p. 39.

Siatrov, A. P. - Paratuberculosis of sheep in [illegible] Province. p. 40.

Moroshkin, D. F., Kostina, A. A., Ivanskii, [illegible] Changes in the blood of cattle infected with leptospirosis. p. 42.

Rostomian, S. V. - Etiology and epizootiology of the leptospirosis of farm animals in the Armenian [illegible] p. 43.

Kuznetsova, A. M. - Some characteristics of the course of leptospirosis in swine. p. 45.

Dutuzov, G. M. - Effectiveness of the vaccination of swine against leptospiriosis. p. 46.

Zelenskii, V. P., Liabin, D. IA. - Immunization of swine against cholera and pasteurellosis. p. 47

Annagiev, A. A., Gustavskii, I. I. - Listeriosis of animals in Pavlodar Province. p. 49.

Tilga, V. V. - Listeriosis in saigas. p. 50.

Rybkina, A. D. - Chemical prevention of [illegible] cattle. p. 51.

Grobov, O. F. - Case of eperythrozoonosis in cattle p. 53.

Veselova, T. P., and others. - Toxicity of hexach[illegible] ethane for cattle. p. 56.

Denisov, A. I. - Trichocephaliasis of swine. p. 57

Medzevicius, A. - Immunological method of the diagnosis of trichocephaliasis in swine. p. 58

Bessonov, A. S. - Comparative effectiveness of various methods of the diagnosis of trichinelliasis in swine. p. 61.

Plaan, O. - Vermifugal treatment of swine with piperazine and piperazine combined with phenothiazine. p. 62.

Shishkov, V. P., and others. - Noninfectious diseases. p. 64.

Voloskov, P. A., and others. - Prophylaxis and treatment of sterility in animals. p. 81.

Akhmedov, A. M., and others. - Sanitary and veterinary hygiene. p. 89.

Lebedev, P. T., and others. - Veterinary experiments. p. 101.

Noboli, Italo, Collono, Vicenzo, Loeffler, K. - Veterinary medicine abroad. p. 112.

Fedorov, O., Vashkov, V. I., TSetlin, V. M. - Book reviews and bibliography. p. 116.

Mutovin, V. I., and others. - Information and brief news. p. 119.
(DNAL)

[illegible] NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOGO SYR'IA I PUSHNINY. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL RAW PRODUCTS AND FURS. Transactions]. [illegible], [illegible] 20, [illegible]

ZHIVOTNOVODSTVO [ANIMAL HUSBANDRY]. Organ of [illegible] khoziaistva SSSR (Ministry of Agriculture of the U.S.S.R.). Moscow, vol. 26, [illegible]

[illegible] translated:

[illegible] year plan. p. 3.

Popov, I.S. - Theory and practice of the use of synthetic amino acids as livestock feed p. 5.
Vilesov, G.I. - Chemical industry and the chemicalization of livestock farming. p. 17.
Tkachev, I.F. - Some problems concerning the use of urea p. 19.
Aliev, A.A. - A growth promoting substance of petroleum origin p. 25.
Aliev, G.A - Developing a multipurpose(meat-fat wool type) sheep strain in Tajikistan. p. 27
Chirkov, D.I. - Relationship between the age and productivity in swine. p. 37.
Sezemov, M.K - Exhibition-display of pedigree bull calves p. 41
IAnchenko, F.N. - Ways of increasing the output of mutton and wool in the mountains of the Northern Caucasus. p. 42.
D'iachkov, N.A. - Fattening swine on rations containing forage beans. p. 46.
Obydennov, V.A. - Use of insulin in swine fattening p. 47.
Molodtsov, G.P., Kim, A.M. - Effect of cobalt on the weight gain of fattening hogs. p. 49.
Sherstobitov, D.V., Ivanov, A.V. - Shelter system of keeping sheep and grazing in winter. p. 51.
Terent'ev, S.M. - Camel raising in Astrakhan Province. p. 54.
Kivkutsan, F.R. - Biochemical foundations of the meat producing capacity. p. 56.
Alekseev, V.A. - Combining corn silage with sugar beets in the feeding of cows. p. 58.
Litvinenko, I.T., Starykh, V.N. - Improving barns for loose housing of cows in Western Siberia. p. 61.
Volosozhar, V.A. - The practice of loose housing of cattle on the "Peremoga" State Farm. p. 68.
Lebedev, M M. - Some results of work in stockbreeding achieved by the Pushkino Laboratory. p. 71.
Makhachev, R.S. - Group system of keeping mother swine with suckling pigs. p. 82.
Conference of the readers of the journal "Zhivotnovodstvo" in Siberia. p. 83.
Plavskii, V.I. - Cattle breeds in Yugoslavia. p. 85.
Kabanov, V.D. - Effect of artificial insemination of cows on the productivity of the offspring. p. 86.
Some problems concerning the improvement of cattle in France. p. 89.
Vorob'ev, P.A. - A book on the economics of fine-wool sheep farming. p. 90.
Blomkvist, M.S. - Manual on the rearing of young cattle. p. 92.
In memory of B.A. Klochkov. p. 94.
(DNAL)

Vol. 25, no. 2, Feb. 1963
Table of contents translated:
Esaulov, P.A. - Some problems in the economics of stockbreeding. p. 3.
Suliushev, S.U. - Unused capacities for the improvement of stockbreeding on virgin lands. p. 9.
IUrochkin, M.V. - The great possibilities of large specialized state farms. p. 13.
Litovchenko, G.R., Mashkov, A.N., IAdrichev, V.I. - Rearing lambs for meat in arid regions. p. 18.
Bunlo, N.L. - Unused capacities for increasing the output and reducing the cost of beef. p. 24.
Aliev, I.M. - Seasonal fluctuations of the milk yield of cows and measures for their prevention. p. 27.
Ruban, B.V. - Raising ducklings for meat without access to water. p. 29.
Beguchev, A.P. - Development and formation of the yielding capacity in young dairy cattle depending on various feeding types p. 31.
Rachkovskii, L., Bodrikov, V. - Early lambing. p. 39.
Seliametov, R.A. - Irradiated feed yeast as a source of vitamin D_2 in calf rations. p. 42.
Oleshko, N.IA - Efficient use of the semen of herd bulls. p 43.
Pshenichnyi, P D. - Balanced use of silage in livestock feeding. p. 45.
Sarro, M.F. - Sorghum as a valuable forage crop in arid regions. p. 51.
Markova, K.V., and others. - Protein content of cow milk as related to breed and ancestry. p. 53.
Zhebrovskii, L.S. - Breeding dairy cattle for protein, dry degreased residue and the fat content of milk. p. 58.
Amrakhov, A.M., Kudriavtsev, P.N. - Weight gain of 1 kilogram per 3.6 feed units; the results of rotational breeding. p. 60.
Ektov, V.A. - Fattening qualities of hogs produced by crisscrossing and triple breeding. p. 67.
Pocherniaev, F.K. - Methods of promoting early maturation in swine and their use in breeding. p. 70.
Stankunavicius, A. - On the experiment farm of the Lithuanian Institute of Stockbreeding. p. 75.
Sergeev, N.I. - Results of artificial insemination of swine with the use of oxytocin and neurotropic substances. p. 76.

Olenev, V.A., Khalenov, A.P. - New ventilation system for livestock buildings. p. 80
Miroshnichenko, I.K. - Year-round cattle fattening farm. p. 84.
Krutyporokh, L I. - Her true calling. p 87.
Meiendorf, A.L. - Individual stalls in loose-housing cattle barns in the United States. p 91.
Shain, S.S. - Forty years in the service of the science of feed production, M.P. Elsukov's 60th birthday. p. 92.
Akaevskii, A.I. - Professor N.B. TSirel'son's anniversary. p. 93.
(DNAL)

Vol. 25, no. 4, Apr. 1963.
Table of contents translated
Grishin, K.N. - Feed supply as the foundation for the development of animal husbandry. p. 3.
Bogdanov, M.N. - Bring the production of eggs and poultry meat nearer to the consumer. p 9.
Larin, I.V - Pay more attention to the improvement of natural forage lands. p. 16.
Bezel', IA.E. - Improvement of meadows and pastures on slopes. p. 21.
Krylova, N.P. - Spring mowing as a measure for improving the grass stand of water meadows. p. 24.
Shishkin, A.I. - Sowing practices for forage beans. p. 26.
Kozov, N.I. - Biological and economic importance of burnet in the arid steppe p. 30.
Teliatnikov, N.IA - Using corncobs as feed. p 32.
Alekseev, E.D. - Sugar and forage beets on peat-bog soils. p. 33.
Grivko, N.D. - On a new frontier. p. 35.
Khalin, N.A., Aleksenko, V.N. - Our meat and milk production plans in 1963. p. 38.
Netesa, A.I - Effectiveness of the use of sugar beets in swine fattening. p. 43.
Korshakov, P.N., Semenov, S IA. - Effect of trace elements on the reproductive capacity of turkey hens. p. 46.
Shigaeva, M.L. - Peas in the feed rations of chicks. p. 48.
Voitko, D.I. - Homogeneous and heterogeneous matching in swine breeding. p. 50.
Shul'zhenko, I.F. - Gray Ukrainian cattle under the threat of extinction. p. 56.
Aizinbudas, L.B. - Use of antithyroid substances in livestock fattening. p. 57.
Novikov, E.A. - Rearing dairy cattle. p. 58.
Voinov, M.M. - Our considerations with regard to L.T. Liubimov's article. p. 61.
Kasumov, F.M. - Microflora of bull semen and methods of controlling the contamination of ejaculates with micro-organisms. p. 63.
Maslovskii, K.S., and others. - Trace elements feed supplements for herd bulls. p. 66.
Bereznev, A.P. - Effect of oxytocin and neurotropic preparations on the ejaculation of semen in bulls. p. 68.
Ostashko, F.I. - Some difficulties in the introduction of recent scientific achievements into practice. p. 71.
Sorokin, M.A. - Some replies to the scientists and designers. p. 72.
Simbirtsev, N.L. - Organizing the stall and field shelter system for keeping cattle and protecting them from bloodsucking insects. p. 74.
Mialo, I.I. - Boom for the spraying of cattle with insecticides. p. 76.
Conference of the readers of the journal "Zhivotnovodstvo" in White Russia. p. 77.
Mamedov, R.S. - Results of feeding oil cakes and oilseed meal to dairy cows. p. 78.
Kozlovskii, V.G. - New methods of improving the productivity of swine farming in England. p. 80.
Zal'tsman, A.A., Maksimov, IU.L. - Fundamental work of great theoretical and practical significance. p. 90.
(DNAL)

Vol. 25, no. 5, May 1963.
Table of contents translated:
Popov, I.S. - Training of graduate students. p. 3.
Milovanov, V.K. - What should be studied in the biology of reproduction of farm animals. p. 9.
Koz'mina, N.P. - Scientific problems in the field of mixed feed production. p. 16.
Denisov, N.I. - Importance of mixed feeds in livestock feeding. p. 24.
Ezdakov, N.V. - Production and testing of mixed feeds with trace elements. p. 28.
Tiuliunnikov, A.I. - Green fallow produces much valuable feed. p. 30.
Zubrilin, A.A. - Protein-vitamin feed. p. 34.
Burakov, IA.N. - Forage lupine for feed and green manure. p. 36.
E[illegible] - Effect of mineral fertilizers on [illegible] sture

Krikun, A.A - Efficient utilization of feeds found i bodies of water p. 42.
Gorlunov, N.A. - Year-round production of duck me p. 45.
Kudriavtsev, P.N., Lebedev, IU.V. - Feed utilization by hogs as related to their meat qualities. p. 51
Mukhlisulin, Sh. - Potentialities for the production of cheap beef in southern Kazakhstan. p. 54.
Gaidysheva, V.D. - Preliminary results of crossing yaks with beef cattle in the Gornyy Altai. p. 56.
Tokov, M.S., Borisenko, N P. - Prospects and ne of a high-mountain state farm. p. 59.
Sultanov, A.S. - Possibilities of the mountain regio of Daghestan. p. 64.
Kondrakhov, I.P. - Some notes on the organization of specialized farms. p. 65.
Kutikov, S.I. - Answer to Comrade Kondrakhov concerning the organization of specialized meat producing farms. p. 68.
Goliarkin, F.E. - One of the principal causes of steril in cows. p. 72.
Plakunov, N. - "Rocket-type" group waterer for calves. p. 74.
Petrukhin, I.V. - Magnesium requirements of weanling pigs. p. 75.
Gorodetskii, A.A. - Effectiveness of choline and vitamin B12 feed supplements for young pigs. p. 78.
Khinevich, G.M. - Effect of the dilution degree of bull semen on the fertilization of cows. p. 80.
Sakharov, N.A. - Use of working dogs at stations for artificial insemination. p. 81.
Sineshchekov, A.D. - Using feed supplements for micro-organisms inhabiting the forestomach of ruminants to improve the utilization of feeds. p. 82.
TSoi, K.M. - Importance of proteins of high biologi value in the rations of lactating cows. p. 85.
Orlov, V.I. - Rally of the young and industrious. p. 88.
Literature on animal husbandry to be published in 1963 and 1964. p. 90.
Konev, N.F. - Farm raising milk-fed calves for m p. 92.
Solomon Samuilovich Shain. p 94.
(DNAL)

Vol. 25, no. 6, June 1963.
Table of contents translated:
Vsiakikh, A.S., Vlasov, P.G., Brigis, O.I. - The ideological front of struggle in modern genet p. 3.
Antonenko, V.T. - Sheep farming as an important potentiality for increasing the production of meat p. 8.
Kogan-Borman, M.IA. - Ways of establishing a new base for the raising of TSigai sheep in the Kazakh S.S.R. p. 14.
Zel'ner, V.R. - Effect of ammonium acetate on the butterfat percentage and digestion in cows. p. 19.
Staroverov, N.A. - System and type of feeding dairy cattle in the Ukraine. p. 22.
Airapetova, R.T. - Use of lupine silage in the feeding of dairy cows. p. 26.
Tkachenko, E.I. - Carbamide and ammonium bicarbonate as protein sources in the rations of dairy cows. p. 29.
Ostapov, V.I., Markov, N.P. - Repeated planting of corn in the Ukraine. p. 32.
Pommers, P. - Accelerated establishing and use of seeded pastures in the Baltic countries. p. 36.
Vavilov, P.P., Moiseev, K.A. - New silage plants in the north. p. 43.
Lutskii, IA.Z. - Conference on the improvement of natural forage lands. p. 45.
Konsovskii, M.V., Godlovskii, V.T. - The "Komintern" State Farm has reached the third frontier in the production of meat and has achieved a milk yield of 777 centners per 100 hectares. p. 48.
Tiabut, D.V. - Cardinal problems in the psecialization of animal husbandry in Minsk Province. p. 54.
Teitel'baum, V.A. - Development and concentration of sheep farming in Estonia. p. 59.
Gritsai, L.I. - Economic advantages of specialized stock fattening farms. p. 63.
Parts, J. - For 133 centners of meat and 600 centne of milk per 100 hectares of arable land in 1963. p. 69.
Baraban, I.S. - Meat yields of native cattle in Whit Russian Polesye. p. 74.
Kravchenko, S.I. - Fattening ducklings on corn and peas. p. 76.
Son, IA.P., and others. - Ovulation dates and survival of spermatozoa in the genital tract of cows. p. 79.
Potekhin, S.A. - Efficiency of various daily number of feedings in raising young cattle. p. 81.
Politov, S.N. - Relation between the daily number of milkings and the milk yield and butterfat percentage in cows. p. 83.

P 151

[illegible] A. A. - [illegible] calves.
[illegible] - [illegible] a solar [illegible]
[illegible] of the [illegible] of the Achievements of the National Economy of the U S S.R p 90.
[illegible], P., [illegible], Z. - Buffalo [illegible], in [illegible] p 92
(DNAL)

[illegible] 196[illegible]
Table of contents translated
[illegible] growth and milk [illegible] p [illegible]
[illegible] chemistry in animal husbandry. [illegible]
IAr[illegible], I. I. - [illegible] mixtures in swine rations p 1[illegible]
[illegible], G. K. - [illegible] meals in calf feeding p 1[illegible]
P[illegible]in, I. R. - Role of sulfur-bearing compounds in the [illegible] processes of the animal organism p 20
K[illegible], I. I., Ran[illegible], M. I., Lekarev, V. S. - Utilization of urea nitrogen and ammonium phosphate [illegible] p 23
[illegible], G. I. - Fattening livestock on corn silage with a carbamide addition p 26
T[illegible], I. N. - Stimulating action of feed bacterin a[illegible] feed [illegible] p 2[illegible]
[illegible], P. N. - Effect of vitamins A and C on the growth and health of swine p. 29
[illegible], A. I. - Iodine nutrition of farm animals p 31
S[illegible], P. F. - What hinders the growth of the output of livestock products on the collective and state farms of Kirov Province. p. 33.
[illegible], I. V. - Ensilage of perennial grasses p [illegible]
[illegible], Z. G. - Surface ensilage and transportation of silage on sledges. p 43
Rajasaar, H. - The STK-04 unit for the preparation of [illegible] p 46
B[illegible], I. P., and others. - Grazing cattle on floodlands p. 49.
K[illegible], I. P. - Furthering of multiparity in Romanov sheep as a means of increasing the production of mutton p. 50
Saparaliev, G. S. - Productivity of fine-wool sheep of various consitutional types. p. 55
[illegible]nov, V. N. - Blood groups in immunogenetic testing of breeding work p. 57.
Mat[illegible]ich, V. F. - Veterinary hygienic methods of raising calves using modern equipment for feeding them milk and caring for them. p. 64.
Myslutkina, M. V. - Promoting early maturation in dairy cattle by intensive raising of the young p 68
Tatuzian, R. A., Voloscvich, A. P. - Role of biostimulants in artificial insemination of cows. p 73.
Boc[illegible], F. I. - Conditioned reflexes in the use of herd bulls. p. 75.
IAkimchuk, F. F., IAkovenko, N. V. - Neural and endocrine regulation of the formation of milk components p. 78
Kornilov, A. I. - Gas formation in the rumen of ruminants depending on various feeding conditions p 80
Spravtsev, N. Kh. - Method of determining the cellulose disintegrating activity of the appendix contents in sheep p 82.
Kuznetsova, M. V., Khlebnikov, I. K. - Construction and reconstruction of farms for hog fattening in Western Siberia. p. 83.
Sarkisov, A. Kh. - Conference in Geneva on the non-medical use of antibiotics. p. 89
Vil'ner, A. M., *Chizhik, I. A.* - A new edition of the textbook on the fundamentals of animal husbandry. p. 93
(DNAL)

Vol 25, no. 8, Aug. 1963
Table of contents translated
Put into practice the decisions of the June Plenum of the Committee of the CPSU. p. 3
Recommendations on feed ensilage approved by the Board of the Ministry of Agriculture of the U.S S.R. p 5.
Borinevich, V. A., Lutskii, IA. Z., *Orlov, I. P.* - Preparation and use of hay meal. p. 10.
Shishchenko, S. V. - Accumulation of sodium by individual species and groups of pasture *plants.* p. 14
Smetnev, S. I. - Intensification of the production of poultry meat. p. 16.
Palkin, G. A. - Ways of increasing the production of rabbit meat and pelts. p. 25.
Rostovtsev, N. F., Cherkashchenko, I. I. - *Meat* qualities of young Red Steppe cattle. p. 33.
For high labor productivity. p. 39.
Jackunas, K., Vagoniene, E. - Intensive *raising of* ducklings for meat. p. 43.

Ovsiannikov, A. I. - Darwin's law, vitality and heterosis in stockbreeding. p. 46
Kratko, A. Z. - Increasing the butterfat percentage in Alatau cows. p. 52
Velichko, L. F. - Comparing the yields of crosses under conditions of various levels of protein nutrition p 59.
Shkurupii, P. IA. - Age-related changes in the composition of the carcass and blood of purebred and crossbred swine p. 61
Crossbreeding for broiler production, abstract p 63
Mosolov, V. P., Smirnov, N. P. - Fourty-five years' work of the "Nikonovskoye" Swine Breeding Farm. p. 65
Monoenkov, M. I. - The desirable type of Yaroslavl cattle p 74.
Pak, V. F. - Some data on the acclimatization of TSigai sheep in the Kazakh S S, R. p. 77.
Borodin, G. M. - Judging a cow's udder on the basis of its dimensions p. 80.
Vasin, A. D. - Effect of various factors on the reproductive capacity of cows. p 83.
Feeding calves various rations in the mountain zone of Azerbaijan p 87
Korotkov, A. I. - Fertilization rate of cows and the quality of offspring as related to various degrees of sperm dilution p 90.
Platov, E. M. - Freezing bull semen in a "compensated" glycerol medium p. 92.
(DNAL)

Vol. 25, no. 9, Sep 1963
Table of contents translated·
Decennial of great achievements p. 3.
Vorob'ev, G. I. - Continuous production of meat. p 10
Shevolin, V. I. - After the September Plenum of the Central Committee of the CPSU p. 16.
Tumasova, N. S., Mikhailova, M. A., Golovanova, G. V. - Achievements of the "Lesnoe" Cattle breeding Farm during the past ten years, p. 23.
Sakatunov, S. V. - From laggers to a progressive collective farm p. 30.
Trevoga, I. A. - Improving the raising of pedigree swine on the "Ventsy-Zaria" State Breeding Farm in Krasnodar Territory. p. 34.
Liubimov, L. T. - Tagil cattle and the possibilities for their upgrading p. 43.
Kolvshkina, N. S. - Methods of developing a Simmenthal herd with a high butterfat *percentage p* [illegible].
Vstakikh, A. S., Krugliak, I. I. - Congress on the upgrading of Simmenthal cattle. p 54.
Bazanova, N. U., Nikitin, B. N. - Effect of experimental silage on the condition *and productive* qualities of lactating cows. p. 58.
Bondarenko, I. P. - Starting the grazing after the establishment of the grass stand. p. 63.
Donets, N. E. - Some supplementary protein sources. p. 65.
Rumiantseva, T. V. - Wages in dairy farming. p. 66.
Muratov, I. I. - Growth and development of Karakul lambs from early lambings. p. 70.
Annamukhamedov, O. - Use of oilseed meal from unhulled cottonseed in mixed calf feeds. p. 72.
Smirnov, I. V., Postavnaia, V. I., Oanorog, Kh. A. - *Practical* testing of a bicarbonate-phosphate diluent for bull semen. p. 75.
Konev, S. V. - Possibility of *quantitative determination* of the fat content of milk from the intensity of secondary luminescence. p. 77.
Kocherezhkin, *V. G. - Chemicals and biostimulants* in animal husbandry. p. 80.
Leicoianu, C., Zamfirescu, N., Dumitrescu, I. - Intensified semen formation in rams *due to the* feeding of iodinated oats. p. 85.
A review of the Bulgarian journal "Zhivotnovodstvo." p. 89.
Ptitsin, B. - A manual needed by pedagogical institutions of higher learning. p. 91.
Professor V. S. Sivshik's *anniversary. p. 93.*
Korshun, V. P. - Professor P. A. Kormshchikov. p. 94.
(DNAL)

Vol. 25, no. 11, Nov. 1963.
Table of contents translated.
Recommendations on the utilization of sources for replenishing the feed supply and improving *the nutritional* value of livestock rations. p. 3.
Tiutiunnikov, A. I., Tret'iakov, N. N. - Increase of the corn yield as an important *potentiality for* stronger organization of feed supply in the non-Chernozem zone. p. 13.
Vainshtein, I. S. - Over 1000 centners of green *alfalfa to a hectare* of irrigated land. p. 19.
Koniukhova, V. A. - Introduce feed fermentation into the practice of livestock feeding. p. 20.
Farzaliev, I. M. - Carbamide as an important source of feed protein. p. 23.

Samsonenko, K. I. - Results of economically improved practices in hydroponics. p. 24.
Teregulov, I. Kh. - Procurement and use of [illegible] *p. 27.*
Masloboev, A. IA., Kiseleva, L. V. - Simple method for preserving fresh brewer's grains. p. 28.
Kurmanov, I. A. - Salino hydrol syrup as livestock feed. p. 28.
Merzlaia, G. E. - Effect of sewage on hayfield and pasture yields. p. 29.
Kochetkov, S. V. - Progressive forms of work organization in swine farming. p. 32.
Saverkin, A. P. - Unused capacities of mountain pastures in Tajikistan. p. 36.
Koroleva, I. I. - Economic efficiency of various methods used in feeding potatoes to swine. p. 38.
Markhotskii, L. - Loose housing of cows in box stalls on the Lenin State Farm. p 40
Efremenko, V. V. - Some notes on the [illegible] specialized livestock fattening farms. p. 4[illegible]
Grudev, D. I., Smirnitskaia, N. E., Karavaev, [illegible] Objective evaluation of the quality of cattle [illegible] p. 47.
Maksakov, V. IA., Mosolov, N. I., Oleinik, [illegible] Evaluating the marbling of meat. p. 50.
Zhebrovskii, L. S. - Method for fast determination of milk proteins based on the adsorption of [illegible] p. 52.
Khmelik, G. G. - Effect of sodium sulfate on the milk yield of cows. p. 53.
Korotkov, A. I., Moskovoi, V. I. - Effect of hydroponically raised green feeds on the fertility rate of *cows. p. 54.*
Kudriavtsev, P. N., and others. - A new breeding farm for Landrace swine. p. 56.
Brencis, K. - Raising Swedish Landrace swine in *Latvia. p. 62.*
Elemanov, A. L., Petrov, A. I. - New strains of meat-and wool type Merinos in Kazakhstan. *p. 66.*
Emel'ianov, A. S. - Determining the productivity of cows by control milkings. p. 72.
Aliev, A. V. - *Mechanizing the preparation and rationed distribution of mixed feeds. p. 73.*
Bezverkhov, A. P. - Attachment to the RSS 6.0 straw and silage chopper with automatically controlled addition of microquantities of supplements to feeds. p. 76.
Petrukhin, I. V. - *Coordinating conference of scientists-experts from member countries of the M[illegible]* Economic Assistance Council. p. 78.
Edel'son, I. M. - Valuable initiative of the [illegible] farmers. p. 80.
Pal'chikov, A. I. - Colostrum as a lactation stimulus p. 81.
Ikramov, T. Kh. - Some histological indices of the skins of native and Bushuevskii cattle in Uzbek[illegible] p. 82.
Petkov, Petko, N., Kadiiski, Elenko. - Kuban cattle. p. 83.
Jurjaitielis, A. - Results of productivity tests of cows and the judging of herd bulls based on the inherited qualities. p. 86.
Book reviews and bibliography. p. 89.
Anniversary dates. p. 91.
(DNAL)

Vol. 25, no. 12, Dec. 1963.
Table of contents translated·
Rostovtsev, N. F. - Research in animal husbandry and coordination of work on principal problems. p. 3.
Popov, I. S. - A new feed unit. p. 9.
Kormshchikov, P. A. - Some problematic questions concerning the increase of the nutritional value of vegetable feeds. p. 22.
Chereshnia, S. M., Shnika, N. F. - Our experience in feeding urea to milch cows. *p. 27.*
Shport, M. IA. - Years of hard labor. p. 29.
Esipov, A. M., Il'ev, L. I. - Inspection of poultry farms in Voronezh Province. p. 30.
Kliukov, V. F. - Organization of specialized livestock fattening farms. p. 39.
Orlov, M. M., Skachalin, E. I. - Four years' experience in loose housing of cows. p. 43.
Tikhonin, I. IA., Mart'ianov, S. N., Fel'dshtein, M. A. - Prevention of traumatism in cattle *during the transfer* to loose housing. p. 47.
Platkin, E. M. - Clinical and physiological characteristics of heifers in loose housing. p. 49.
Blomkvist, M. - I. A. Danilenko's 60th birthday. p. 50.
Popov, I. N., Portnov, A. F. - Developing a herd of wool-and-meat type Merino sheep on the Buluksk' State Breeding Farm. p. 58.
IAstremskii, V. IA. - Characteristics of sheep types *within the* Kuybyshev breed. p. 62.
Dem'ianov, V. V. - Judging Simmenthal bulls by the meat qualities of the progeny. p. 65.
Aleshka, D. I. - Comparative evaluation of milk productivity in cows of certain breeds. p. 69.
Smirnov, D. A. - Work practices at a station for artificial insemination of cows. p. 72.

Ksenzenko, S.A., Motuz, B.A. - Crate for the insemination of cows and heifers. p.74.
Unit for the production of vitamin-rich meal from pine needles. p.75.
Kushner, Kh.F. - Eleventh International Congress of Genetics. p.76.
Lenike, G., Teodoru, V. - Artificial stimulation of lactation in sterile cows and heifers. p.83.
Polovenko, S.I., Gorodetskii, E.S. - Problems concerning the distribution and specialization of agriculture in the U.S.S.R. p.85.
Koropov, V M, Zalanchkovskii, I.F. - Academician Konstantin Ivanovich Skriabin. p.88.
(DNAL)

c. FORESTRY

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. Nos.48-49, 1964.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technonological Society of Forest Industries and Forestry]. *Moscow, vol.42, no.7, July 1964.*

Table of contents translated:
Podyniglazov, A.A., Voronchikhin, N.Z. - The designer at the enterprise. p. 2 of cover.
Sharygin, A.S., Vshivtsev, P.G. - For profitable work. p.1.
Rakhmanov, S.I., Gavrilov, V.M. - Potentialities of semiautomatic lines in the Urals. p.3.
Dobromyslov, B. - Self-clamping cable pulley. p.6.
Shkiria, T.M., Krushel'nitskii, R.L. - Pendulum-type overhead trolley. p.8.
Folomeev, D. - The council of the Scientific Technological Society struggles for technical progress. p.9.
Kokovin, A. - New grab of the timber carrier for lumber transportation. p.10.
Petov, N.F. - Efficiency of various methods in tractor skidding. p.11.
Kondrat'ev, V.M. - A "cigar" from bundles of tree-length logs. p.12.
Kropachev, V.P. - Hydraulic accelerators in the sorting of bundles. p.14.
Keda, A., Mashatin, I. - Rotor excavator in the construction of logging roads. p.16.
Araslanov, K.M. - Improve the efficiency of capital expenditures. p.17.
Danilov, V. - Plans for comprehensive exploitation of forests. p.19.
Dostal', V.G., Agafonov, V.M. - Economic foundations of forest raw material bases. p.20.
Tolcheev, B.P. - Intensification of forestry in the Ukrainian S.S.R. p.21.
Pervukhin, A. - Delivering timber in the form of tree-length logs. p.23.
Sychovskii, G. - Future belongs to electricity and chemistry. p.27.
Shuvalov, E.A., Khasanov, A.I. - Is wood or reinforced concrete better for logging roads? p.28.
Dorokhov, B. - For capital construction. p.29.
Solodukhin, M.M. - For the reduction of losses of wood in floating. p.31.
Nikolaev, L. - From the pages of foreign journals. p.31.
Voronchikhin, L. - We are increasing the output of merchantable lumber. p.3 of cover.
Heine, V. - Spruce needles for the enrichment of feeds with vitamins. *p.3 of cover.*

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellulozno-bumashnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol.17, no.7, 1964.

Table of contents translated:
Kozlovskii, B.A. - Current problems in forest management. p.2.
Improve the organization methods in forestry. p.8.
Training and education of forestry specialists is an important problem. p.13.
Marchenko, I.S. - Organization of improvement cuttings. p.18.
Enikeeva, M.G. - Microbe activity in improvement cuttings of oak stands. p.22.
Vipper, V.N. - Forest reproduction in clear-cuttings *in the larch forests of the Buryat A.S.S.R. p.26.*
Gribanov, L.N. - Principal yield cuttings in forests of the Rudnyy Altai. p.29.
Rumiantsev, G.T. - Selective cuttings in the *pine* forests of Leningrad Province. p.32.
Solov'ev, K.P., Pitikin, A.I., Badaeva, E.A. - Rebuilding and classifying inferior stands in the Maritime Territory and the middle Amur Valley. p.34.
Toropogritskii, D.P., Kut'ko, L.F. - Salt tolerance of English oak, wild pear and alder buckthorn. p.36.
Kotsarev, IU.M. - Tables for the valuation of walnut *stands. p.37.*
Gushchina, A.Z. - Determining the extent of continuous exploitation of second-category forests. p.11.
Sadovnichii, F.P. - Relation between the crown diameter and the height and age in pine plantations. p.44.
Makarychev, N.T. - Structure of snow-retaining stands and the characteristics of their action. p.46.
Bozrikov, V.V. - Forest belts and the control of dust storms in the Virgin Territory. p.52.
Gavrilenko, L.N. - Distribution of forest belts in the control of gullies. p.55.
Fomin, D.M. - Establishing orchard shelter belts by the use of saplings. p.57.
Podkopaev, A.A. - Afforestation of hard-to-manage *lands in the Donets Basin. p.59.*
Ovsiannikov, I.V. - Estimation of fire hazards in forest stands when planning fire prevention *measures. p.62.*
Sofronov, M.A. - Importance of relief in controlling forest fires in mountains. p.66.
Dlusskii, G.M. - Use of ants in the control of forest pests. p.70.
IAkobson, A.IA. - How we raise pine seedlings on sands. p.74.
Galevich, V.A. - Valuable initiative. p.76.
Kolesnikov, G.S. - Forest in the steppe. p.78.
Timochko, I.S. - Improving the stands of wild fruit trees. p.82.
Orlov, IA., Petrov, G., Shpakov, F. - A good initiative deserves everybody's support. p.83.
Letters to the editor. p.84.
Dzhikovich, V.L. - Capital work on the economy of forest resources. p.85.
Tiurin, A.V. - "Centennial of forestry in the Savala *Forest Tract." p.86.*
Pis'mennyi, N. - Regeneration of oak forests. p.88.
Zaretskaia, N. - Interesting work on ants. p.88.
Problems of chemistry in foreign silvicultural literature. p.89.
New books. p.90.
Rubtsov, M.V. - Characteristics of the reservation of water-retaining forests in foreign countries. p.91.
Schairer, E. - Effect of diesel oil on various soils. p.94.
Frel, Z. - Liming of soils as a measure for increasing the productivity of spruce stands. p.95.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsoiuza rabochikh lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol.8, nos. 8-9, Aug.-Sep. 1964.

REFERATIVNYI ZHURNAL. LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS. FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 8-9, Aug.-Sep 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]. Moscow, vol.6, no.3, 1963.

Table of contents translated:
Dvoretskii, M.L. - Indices of an average tree of a stand. p.3.
Simanchuk, F., Tomashko, I. - Circular nurseries in intensive forest management. p.10.
Minkevich, I.I. - Role of the saprophytic phase of the development of Ophiostoma roboris C. Georgescu, I. Teodoru in the spreading of the vascular mycosis of oak. p.16.
Levitskii, I.I. - Structure with regard to the diameter of mixed uneven-aged spruce-fir stands in Bashkiria. p.19.
Lashkevich, K.A. - Pine stands planted in clusters on the sands in the Don Valley. p.22.
Rudenko, IU.M. - Analysis of Professor N.P. Anuchin's proposal for determining the increment of a stand. p.26.
Azniev, IU.N. - Effect of perennial lupine on the fruiting of the Scotch pine. p.30.
Grigor'ev, V.P. - Cultivation practices in plantations of a heather type pine forest (A_1). p.34.
Komin, G.E. - Types of age-related structure of stands. p.37.
Glazov, N.M. - Methods for determining the mean coefficients of tree trunk forms for an entire aggregate of *plantations. p.43.*
Savchenko, A.I. - Physiology of the ripening and germinating of European ash seeds. p.46.
Smirnov, N.T. - Characteristics of the valuation of artificial young pine stands. p.50.
Kuvaldin, B.I., Egorov, G.P. - Mechanizing the laying and relaying of switching systems on narrow-gauge logging railroads. p.54.
Pechenkin, V.E., and others. - Working out the method of feeding trees to rotary limbing machines by two trucks. p.60.
Zakharenkov, F.E. - Analytical method of calculating the maximal resistance to sawing in the power method of limbing. p.68.
Makhov, V.A. - Sliding of steel cables on pulleys and blocks. p.77.
Malyshev, G.M., Cherkoz'ianov, A.T. - Economic efficiency of the small optical theodolite (TOM) in *comparison with the TT-50 theodolite. p.69.*
Galdar, N.A. - Effect of cargoes on the magnitude of impact loads in collisions of logging cars. p.92.
Chebota, P.P. - Effect of the concentrated force applied to the soil surface on a bulkhead. p.99.
Nosovskii, T.A. - Effect of the blunting of wood cutting instruments on the cutting force taking into consideration the direction of fibers and the species. p.102.
Borovikov, E.M. - Experimental unit for studying the process of frame sawing. p.107.
Itskovich, E.A. - Direction of the stress in wood during the introduction of a cutter into it. p.114.
Trubnikov, I.I. - Measuring the stress in the blade of a band saw by the method of wire tensiometry. p.119.
Litsman, E.P. - Studying the process of sawing lumber into coarse chips by an elementary cutter. p.122.
Mednikov, F.A., Ushkova, E.V. - Abietic acid content of various types of resinous matter. p.134.
Chalov, N.V., Goriachikh, E.F. - Mechanical and chemical destruction of polysaccharides in the presence of sulfuric acid. Report No.3: Minimal possible specific expenditure of sulfuric acid. p.137.
Filippov, B.S., Sosnin, A.E. - Quality of rosin obtained from stem resins. p.145.
Puchkov, M.V. - Investigating the yield of processable pine and spruce twigs as a result of logging operations. p.149.
Kiliakov, A.M. - Pulsed summation automatic volumeter for transverse flow of lumber. p.153.
Peshek, F. - Effect of the toxic products of manganese-pyrite mines on plants. p.162.
Kokovkin, F.V., Petrov, C.C. - Using wood sawdust in the construction of logging railroad tracks. p.163.
Shiiatov, S.G. - Methods for determining the age of trees growing at the timberline. p.166.
Tarabrin, A.D. - Latest edition of M.Busgen's book. p.168.
Kolesnikov, B.P. - Valuable work on the structure and development of mixed stands. p.171.
Sysoev, E., Berger, D. - Anniversary of Professor Petr Vasil'evich Voropanov. p.173.

d PLANT CULTURE

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Botanicheskii sad. Spisok semian, predlagaemykh v obmen [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Botanical Garden List of Seeds Offered in Exchange]. *Alma-Ata, no.27, 1962.*
(DNAL)

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze Botanicheskii sad Spisok semian, predlagaemykh v obmen [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Botanical Garden. List of Seeds Offered in Exchange] Frunze, nos.12-15, 1961-1964.
(DNAL)

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Botanicheskii sad. Spisok semian, predlagaemykh v obmen [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Botanical Garden. List of Seeds Offered in Exchange]. *Dushanbe, for 1963.*
(DNAL)

ASHKHABAD. TURKMENSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZEMLEDELIIA. Biulleten' nauchno-tekhnicheskoi informatsii [TURKMEN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Bulletin of Scientific and Technical Information]. For 1963.

Table of contents translated:
Charyev, M.K. - Making agricultural soil maps of the lands of the Republic irrigated in the remote past. p.3.

[illegible] - [illegible] of the irrigation technique [illegible] and [illegible] of cotton [illegible] p. 7.
[illegible] - [illegible] of the first Soviet [illegible] of [illegible] wilt. p. 17
[illegible] - Effect of developmental conditions [illegible] of [illegible] fruits. p. 22
[illegible] - [illegible] of grafted [illegible] p. 29
[illegible] - [illegible] of fruit, [illegible] growing on a collective farm [illegible] p. 32
[illegible], G. A. - Chemical composition of some [illegible] regions adjoining the Kopet- [illegible] p. 37
[illegible] - [illegible] data on the codling moth in [illegible] p. 41
[illegible], R. [illegible] - Correlation between growth dynamics of the aerial parts and the root system of [illegible] depending on age and growing [illegible] p. 44
[illegible], I. F. - Materials on the salt regime [illegible] in the Murgab Oasis. p. 49
[illegible], I. P. - Consumption of mechanical energy [illegible] of the work mechanization rate in [illegible] raising. p. 54

KHLOPKOVODSTVO [COTTON GROWING]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 14, no. 8, 1964.
(DNAL)

KUKURUZA [CORN]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, nos. 7-8, 1964.
(DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8(25), nos. 7-8, 1964.
(DNAL)

MOSCOW. GLAVNYI BOTANICHESKII SAD. Spisok semian, predlagaemykh v obmen [MAIN BOTANICAL GARDEN. List of Seeds Offered in Exchange]. No 19, 1963.
(DNAL)

REFERATIVNYI ZHURNAL. RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS. PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 14-16, July-Aug. 1964.

SADOVODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 102, no. 8, Aug. 1964.
(DNAL)

SELEKTSIIA I SEMENOVODSTVO [PLANT BREEDING AND SEED PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 29, no. 4, July-Aug. 1964.

TABAK [TOBACCO]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 25, no. 3, 1964.
(DNAL)

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, nos. 5(228)-6(229), 1964.

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 26, no. 6, June 1964.
Table of contents translated.
Introduce energetically all new developments and advanced practices in agriculture. p. 3.
IAn Vol'demarovich Peive, Lenin Prize winner. p. 7.
Korolev, B. A. - For high production standards. p. 8.
Kurbatov, I. D. - Use technology in conformity with field conditions. p. 12.
Lapchuk, V. G. - Crop rotations in the western areas of the Ukraine. p. 17.
Lebedik, A. I. - Fertilizers in crop rotation. p. 25
Klochkov, A. M. - Use of phosphate meal. p. 31
Kudrin, S. A. - Nutrition of plants as related to the use of fertilizers. p. 34.
Vereshchagin, N. I., Pugachev, A. N., Pshechenkov, K. A. - One centner of potatoes in 30 minutes. p. 39
Taran, A. V. - High yields of potatoes in the steppe. p. 53
Fedoseev, B. V., Muradkhanian, L. K., Kovalev, A. T. - Technology of pea harvesting. p. 55.
Berbekov, N. L., Ageev, V. V. - Harvesting peas with lateral rakes. p. 60.
Chubarova, G. V. - Duration of the action of atrazine and simazine. p. 61
Savchuk, P. I. - Outstanding rice grower. p. 63.
Serdechnyi, A. N., Orlov, I. P. - Technology and mechanization of hay harvesting. p. 65
Kudzin, IU. K., Dolodarenko, A. I. - Legumes as irrigated stubble crops. p. 74.
Mikhailov, S. P. - Two crops a year. p. 76.
Malakhinov, A. S. - Irrigated stubble crops. p. 77.
Kolesnikov, N. V. - Ensilage perennial grasses. p. 78
Rappoport, P. - Agronomist and machinery operators. p. 80.
Worthy rewards for progressive agronomists. p. 84.
Pisarev, A. - Work of an agronomist is an honorable job. p. 89
Fedeneva, T. V. - Work in cooperation. p. 91.
Dospekhov, V. A. - Pay attention to the methods of field experiments. p. 93.

ZERNOBOBOVYE KUL'TURY [PULSE CROPS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 2, nos. 5, 7, 1964.
(DNAL)

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin]. Novosibirsk, no. 2, 1964. Seriia tekhnicheskikh nauk [Series in the Technological Sciences], no. 1.
Table of contents translated:
Grinevich, F. B. - Principles of the construction of optimalizing digital automatic a-c bridges. p. 3.
Anisimov, A. S. - Optimum control of microelectric drives at limited phase coordinates. p. 9.
Anisimov, A. S. - Mechanical characteristics of an asynchronous two-phase engine with a hollow rotor. p. 18.
Kasperovich, A. N. - An extremator on nonlinear capacitances of p - n-junctions. p. 26.
Sobolev, V. S. - Noncontact measurement of the specific resistance of semiconducting materials using the method of eddy currents. p. 34.
Aleksandrov, V. M., Matienko, B. G., Nesterov, A. A. - Shortening the response time for linear measuring systems of n-th order. p. 43.
Senin, A. G. - Problems affecting the analysis and synthesis of measuring systems for extrapolating random fields. p. 54.
Geller, V. M., Senderzon, M. E. - Methods for increasing the stability and improving the energy parameters of distributed amplifiers. p. 63.
Krotman, L. S. - Calculation of the plane-parallel current field in a conducting strip of thin cross section. p. 69.
Kaliatskii, I. I., Limasov, A. I. - Study of the pulse electric strength of some solid dielectrics of great thickness. p. 79.
Solomin, B. A. - Helical delay lines shielded with mercury. p. 85.
Vasil'ev, O. F. - Use and experimental testing of the approximate theory of fluctuations in the chamber of an inclined ship elevator. p. 89.
Makarov, I. V. - Simplified rating of the strength of rocks. p. 101.
Minkevich, L. M. - Study of solenoid hammers by means of an MN-7 modeling setup. p. 106.
Rabko, V. D. - Determination of losses through rolling friction at high velocities and under heavy loads. p. 112.
Bibik, K. V. - Methodology of determining the optimum parameters of a combined system of exploitation with hydraulic mining of coal. p. 117.
Zolotukhin, G. E., IAroslavskaia, R. M. - Effect of the polarity and heat conductivity of an electrode on the phase distribution of particles in an a-c arc. p. 127.
Pirogov, V. K. - Decomposition of thorium oxide crystals during observation on an electron microscope. p. 130.
Volnarovich, M. M. - Use of the electrohydrodynamic analogy method in studying a flow past symmetrical bodies near the wall. p. 131.
Gik, L. D. - Stability of a multicell amplifier. p. [illegible].
Grokhol'skii, A. L., Odintsov, V. A. - Increasing the accuracy of reproduction of the unit of capacitance - the farad. p. 137.
Pritvits, N. A. - Seminar on the Use of Electronic Computers in Hydraulics. p. 139.
Rabinovich, V. I. - Fifth All-Union Conference on Electric Methods of Automatic Control. p. 141.
Lavrent'ev, A. M., and others. - V. D. Kuznetsov, an obituary. p. 142.

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 41, nos. 13-14, [illegible] 1964.

*GEODEZIIA I KARTOGRAFIIA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 4, Apr. 1964.
Table of contents translated:
Nikishov, M. I. - Cartography at the service of [illegible] chemicalization and intensification of [illegible]
Boiko, E. G. - Distribution of errors in the [illegible] of coordinates in angular and linear nets. p. [illegible]
Prilepin, M. T., Lazanov, P. E., Petrov, V. P. - Determining the effective length of a light wave by geodimetric measurements. p. 17
Taranichev, N. A. - Using Newton's method to process the results of geodetic measurements. p. 22.
Discussion of an article by B. I. Gorzhaly. p. 28
Khmelevskii, IU. S. - Transferring guide lines to actual conditions using a DNT cap. p. 37
Romanovskii, G. V. - Single multiple-point interpolation in space. p. 39.
Kargopolov, N. D. - Adjusting the plane coordinates of the points of photogrammetric nets. p. 45
Timofeev, A. A. - Analyzing the economic efficiency of the utilization of SD and SPR instruments. p. 55.
Eliseeva, K. K. - Possibility of using the [illegible] of compilation in conjunction with the [illegible] of topographic maps. p. 59.
Koldaev, P. K. - Technique of making small-scale relief maps. p. 64.
Volkov, N. M. - External perspective projection with a positive image of the earth's surface. p. 70.
Sklar, P. P., Biriukov, A. I. - Practical training in topographic technical schools. p. 73.
Smirnov, A. I. - Fourteenth International Conference of Mining Workers' Trade Unions. p. 75
Brief news. p. 77.
Bibliography. p. 78.

No. 5, May 1964.
Table of contents translated:
Kienitskii, D. M., Ustinov, G. A. - Adjusting spatial cosmic triangulation in a system of rectangular geocentric coordinates. p. 3.
Kutserib, N. A. - Eliminating errors caused by [illegible] p. 16.
Meshcherskii, I. N. - Investigating the KONI 007 leveling instrument. p. 18.
Galdaev, P. A. - Adjusting 3d and 4th order triangulation by approximations. p. 23.
Kudriavtseva, E. A., Dolgopolov, P. V. - Executive surveying in Sverdlovsk. p. 24.
Boldyrev, O. D. - Chord-goniometric table. p. 25
Sokolova, N. A., Gertsenova, K. N., Vanin, A. G. - Results of experimental work on constructing photogrammetric nets using universal instruments. p. 28.
Deineko, V. F. - Effect of an enlargement of a photograph on certain measurement features of aerial photographs. p. 42.
Khalugin, E. I. - Luminosity intervals of [illegible] cartographic originals. p. 48.
Resolutions of the Thirteenth General Assembly of the International Geodetic and Geophysical Union held in Berkley (United States) in 1963. p. 57.
Brokman, L. - Scribing large-scale maps. p. 65
Nikishov, M. I. - Concerning D. A. Larin's book "Scientific and technical geographic map projection." p. 69.
Cherviakov, V. A. - The forthcoming publication of a popular booklet. p. 71.
Krotkov, G. A. - Conference of builders. p. 73.
Andrei Danilovich Motornii; obituary. p. 77.

Brief news. p.96.

Bibliography. p.97.

GOR'KII. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transaction]. Vol.10, no.3, 1963. [Problems of increasing the interference rejection of radio systems.]

Table of contents translated:

Arslanov, M.Z. - Passage of impulse noise through a synchronous detector. p.5.

Arslanov, M.Z. - Experimental study of a synchronous alternative for suppressing short-term impulse noise by interrupting the reception of the channel during the action of the noise. p.9.

Batanov, IU.N., Belov, V.A. - Possibility of using a compensation technique for suppressing noise in [illegible] systems. p.13.

Boldyrev, N.M. - Study of a limiter with a nonlinear oscillatory stage. p.19.

Bugrov, G.M., Lezin, IU.S. - Passage of an impulse signal and noise through a system consisting of a frequency filter and two storage devices with delayed feedback. p.33.

Lezin, IU.S., Zhukov, O.V. - Integral noise distribution function at the output of a quadratic exponential-weight storage device. p.43.

[illegible], M.V. - Networks for realizing discontinuous limitation of impulse noise. p.40.

[illegible], IA.G. - Evaluation of signal distortion interrupted by determined noise. p.51.

[illegible], V.I. - Increase of pulse noise interference rejection by means of amplitude-phase reception of radiotelegraphy signals. p.57.

[illegible], V.I. - Balanced system for amplitude-phase reception of radiotelegraphy signals. p.68.

[illegible], A.M. - Method for suppressing impulse interference with a high repetition rate by chopping the wide-band high-frequency channel and using aperiodic band elimination filters. p.74.

[illegible], A.M. - Experimental study of a method for suppressing impulse interference with a high repetition rate in radio reception by chopping the wide-band high-frequency channel. p.91.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, [illegible] 7, 1964

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and Tsentral'nyi Sovet pionerskoi organizatsii imeni V.I.Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol.8, no.8, Aug. 1964.

IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no.3, Mar. 1964.

Table of contents translated:

[illegible], V.V. - D.I.Mendeleev's heritage and our tasks. p.1.

Agateiskii, P.N., Ashkhenov, N.K., Nikulin, V.P. - Classification of measurements and the evaluation of the precision of measuring instruments. p.3.

Markov, B.N., Pol', S.I. - Universal device for [illegible] dimension checking. p.9.

[illegible], A.M. - Classification of photoelectric microscopes. p.13.

[illegible], D.I., Matveev, V.V. - New method for measuring the groove radius of ball bearing rings. p.16.

[illegible], N.D., Fitalov, K.G. - Measurement of gaps in precision couplings. p.17.

[illegible], L.V., Prokhorov, N.S. - Measuring small time intervals by means of an attachment to the electric timer. p.19.

[illegible], V.V. - Measuring the braking period with an electric timer. p.23.

[illegible], M.K., Bakhvalova, V.V. - Investigating a manometer with a pressure resistant effective piston surface. p.24.

Larichev, K.K. - Damping device for manometers. p.25.

[illegible], A.I. - Unified transformer pickup for pressure measurements. p.28.

[illegible], V.S., Oleinik, B.N. - Benzoic acid for calorimetric determinations. p.31.

[illegible], M.A. - Precision of differential measuring circuits with semiconductor thermistors. p.33.

[illegible], G.G. - Possibilities of using electron diffraction for absolute measurement of high voltages. p.36.

[illegible], A.A. - Energy relations in galvanometric induction converters with internal feedback. p.38.

Zemel'man, M.A. - Transition process in voltage converters in a time interval for digital measuring systems. p.43.

Sobolev, V.S. - Selecting parameters of transducers for noncontact measurements of electric conductivity by the method of vortex currents. p.47.

Burdun, G.D. - The 52nd session of the International Committee on Measures and Weights. p.49.

Kremlevskii, P.P. - Scientific technical conference "Methods and instruments for measuring the consumption and quantities of fluid, gas, and steam." p.50.

Kotiuk, A.F. - Conference on automatic control and electric measurements. p.53.

Shterchenskaia, I.V. - Exhibition of Danish electronic measuring instruments. p.55.

Dolinskii, E.F. - "Flowmeters" by P.P. Kremlevskii. p.56.

Smolich, S.A. - "Hardness tables" by Hormuth. p.57.

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. p.50.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no.5(213), 1964.

Table of contents translated

Filippov, A. - Speed, efficiency, automation. p.1

Molchanov, I. - Inventions bearing fruits. p.4.

Shakhnazarian, R. - Chops made of algae. p.6.

Miroshnichenko, I. - Balsam against the "reddish plague." pp.2 of cover, 8.

Conceived-achieved. p.10.

Pozikov, IU. - Concrete out of a tube. p.12.

Melenovskii, I. - Warmed-up intrigue. p.14.

Podchanov, V. - We present a bill. p.15.

Romanov, R. - Freight in the air. p.16.

This is the way we live. p.17.

Medvedev, IU. - Destroyer of rain clouds. p.18.

Advertising board. p.20.

In your attorney's office p.21

Kriukova, N. - Ten who are saved p.22.

Convenient hinges. p.25.

Borin, A. - Dancing on parquet p.26.

From the notebook of the technologist of "Izobretatel' i Ratsionalizator." p.27.

For skilled agricultural workers. p.28

Dugin, L. - Engine with a precombustion chamber in search of a boss. p.29.

Pisarzhevskii, O. - "A seafarer and a carpenter." p.30.

Dobrovol'skii, E. - For the sake of the equity. p.33.

Shakhov, R. - Refrigerator in a field. p.35.

Sychev, V. - Mysteries of the grey steam. p.36.

Silant'ev, I. - Prolonging the youth of polymers. p.38

Zholondovskii, O. - When a burner exploded under me. p.38.

Mosaic of inventions. p.39.

Rosalian, A., Sakharnov, A. - A cold bath is heating. p.40.

MOKSLAS IR TECHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Lietuvos TSR Ministru Tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S.S.R. for the Coordination of Research] and others. Kaunas, vol 6, no.8, Aug. 1964 [In Lithuanian]

MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. Informatsionnyi biulleten' [EXHIBITION OF ACHIEVEMENTS OF THE NATIONAL ECONOMY OF THE U.S.S.R. Information Bulletin]. No.8(40), Aug. 1963.

Table of contents translated:

School of advanced experience. p.1.

Popolov, IA.N. - Triumph of Lenin's ideas about the electrification of the country. p.3.

Liubashevskaia, A.L. - The "Sickle and Hammer" Plant in Kharkov is an outstanding manufacturer of diesel engines. p.5.

Malova, N.A. - Modern equipment in nonferrous metallurgy. p.7.

Ravicher, S.IA. - Introduce ceramic metals on an extensive scale. p.9.

Exhibitions and displays of special items. p.11.

New exhibits. p.12.

New designs. p.14.

Exhibitions of special items. p.16.

Gruzdeva, G.N., Danilov, L.M. - Reducing manual labor in corn seed production. p.19.

Komissarova, A.N. - Innovations in the storage, processing and transportation of vegetables and potatoes. p.20.

Andriushchenko, D.P. - Dwarf fruit trees in Moldavia. p.22.

Exhibitions and displays of special items. p.23.

Farm work in August. p.33.

Golubkov, V.P. - Atomic energy for peace purposes. p.35.

Unic atomic accelerator. p.37.

Andreev, D.K. - In the pavilion "Public health and medical industry." p.37.

Modern commercial equipment for rural department stores and specialized shops. p.38.

Technological innovators. p.38.

Industry and transportation. p.40.

Building. p.41.

Agriculture. p.41.

Awards for outstanding exhibits. p.44.

Lectures of innovators and scientists. p.44.

Literature for construction workers. p.46.

No.2(46), Feb. 1964.

Table of contents translated:

Ziabkin, V.S. - Achievements of Soviet metallurgy. p.1.

Nefedov, A.D. - Stockbreeding at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1964. p.1.

Krasnov, V.A. - Pavilions of the Academy of Sciences of the U.S.S.R. at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1964. p.2.

Pechura, S.S. - Intensified drying of plaster casts. p.5.

Khomenko, A. - How we grow peas. p.6.

Synthetic materials in light industry. p.9.

Pavlova, Z.S. - Coloring polyvinyl chloride plastics. p.12.

Nartov, V.N. - "Eskapon" plastics and their use in the electric equipment industry. p.13.

Exhibition of special items is still open. p.14.

From the exhibition into industrial production. p.15.

Obtaining smooth face surfaces of concrete floors. p.17.

Riskind, B.IA. - Electrothermal hardening of reinforcement bars. p.19.

Exhibitions of special items are still open. p.20.

From the exhibition into industrial production. p.21.

Kiseleva, V.A. - With minimum expenditure of labor and money. p.24.

Presowing seed treatment. p.25.

Voelkova, M.G. - Preparation and use of peat-manure-earth composts. p.27.

Komissarova, A.N. - Exhibition and display of special items. p.30.

Exhibitions and displays of special items are still open. p.31.

For farm mechanizers. p.32.

Seminar for metalworkers. p.33.

Industry and transportation. p.35.

Building. p.35.

Agriculture. p.35.

In the committee of the Council of Exhibition. p.37.

Lectures of innovators and scientists. p.37.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Gosudarstvennyi komitet Soveta Ministrov Latviiskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Latvian S.S.R. for the Coordination of Research] and others. Riga, no.7(48), July 1964.

NOVOCHERKASSK. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. Erivan, vol.143, 1963. [Works of the Department of Analytical Chemistry]

Table of contents translated·

Anan'evskaia, M.P. - Reaction of mercury with malachite green. p.3.

Ankudimova, E.V. - Interaction of molybdates with hydrazine sulfate. Report No.1. p.11.

Ankudimova, E.V. - Use of organic reagents for gravimetric and volumetric determination of molybdenum; a bibliographic survey. p.17.

Agrinskaia, N.A., Petrashen', V.I. - Reaction of molybdenum with 8-merchaptoquinoline. Report No.1. p.27.

Agrinskaia, N.A., Petrashen', V.I. - Reaction of molybdenum with toluene-3,4-dithiol. Report No.1. p.36.

Nemirovskaia, A.F. - Determination of lead ions with quinalizarin. p.45.

Nemirovskaia, A.F., Keremedzhidi, L.N., IAshina, N.I. - Determination of tungsten and molybdenum present together. p.56.

Anokhina, L.G., Sopin, IU.A., Agrinskaia, N.A. - Study of the catalytic reaction for the purpose of its use in determining the microamounts of molybdenum. p.63.

Golovnitskaia, V.A., Petrashen', V.I. - Extraction-photometric determination of perchlorates in the presence of chlorates. p.73.

Vol.144, 1963. Raboty kafedry stroitel'nogo proizvodstva [Papers by members of the Department of Construction]

Table of contents translated:

Khrisokhoidi, K.A. - Working soils with excavator-blockers. p.3.

[illegible] introducing central [illegible] electric [illegible]

[illegible] of the [illegible] Province.

[illegible] for an erecting [illegible]

[illegible] Literatur, [P[illegible] [illegible] Literature] Moscow [illegible]

[illegible] Technical [illegible] Akademii [illegible] of the Academy of [illegible] U.S.S.R.] Moscow, no 2, Mar.-Apr [illegible]

Table of contents translated

[illegible] V. A. - Solution of Pierce's problem for a [illegible] at arbitrary conditions of emission. [illegible]

[illegible] V. S., Morozov, IU.I. - Structure of a [illegible] allowance for radiative transfer of [illegible] energy. p.8

[illegible] G. P. - Irregular reflection of weak [illegible] waves from a rigid wall. p. 22.

[illegible], E. V. - [illegible] of the optimum distribution of [illegible] in a fluid moving in an external magnetic field. p. 29.

Vatazhin, A.B., Nemkova, N.G. - Some two-dimensional problems of the electric current distribution in the channel of a magnetohydrodynamic generator with nonconducting partitions. p.40.

[illegible], V.V. - Heat transfer in a completely ionized nonisothermal plasma moving in a channel with a magnetic field. p. 50.

[illegible], IU.M., [illegible], A.R. - Particle and heat flows in a plasma along a high magnetic field. p. 60

Kuznetsov, V. M., Sher, E.N. - Stability of a ribbon or ring-shaped flow of an ideal incompressible fluid. p. 6[illegible]

[illegible], N.N. - Silt deposition in the end face region around a well. p. 74

Nikiforovskii, V.S. - Dynamic field of stresses in an elastic half-space under the action of an axially symmetric distributed load. p. 81.

Kuznetsov, A. P. - Solution of the problem of stability of a compressed shell in creep under the hardening hypothesis. p. 90.

Namestnikov, V.S. - Creep of an aluminum alloy at varying loads. p. 99.

Mirinskii, D.S. - Determination of graduation curves for superhigh-pressure plants. p. 106.

Kurzin, V. B. - Use of the method of integral equations in calculating an unsteady subsonic gas flow past an oscillating lattice. p. 112.

Valeev, K.G. - Qualitative study of differential equations of flight by means of a solar sail. p. 120.

Barantsev, R.G., Filippov, B.V. - Simplified variant of an integral kinetic operator. p. 129.

Tkalenko, R.A. - Supersonic nonequilibrium gas flow past slender solids of revolution. p. 132.

Vardanian, V.A. - Stability of a liquid layer of variable density in the presence of a magnetic field. p. 138.

Andreev, A.V., Andres, U.TS. - Effect of the shape, orientation and conductivity of bodies on their electromagnetic repulsion from a conducting fluid. p. 140.

Novikov, I.I., Pichakhchi, L.D. - Heat transfer in the flow of a conducting fluid at small Reynolds numbers. p. 143.

Bobrovich, G.I., Kutateladze, S.S. - Effect of the concentration of an alcohol - water mixture on the critical density of a heat flow. p. 146.

Rozenshtok, IU. L. - Effect of speed fluctuations on the accuracy of measuring the temperature of a nonisothermal turbulent flow. p. 149.

Dremin, A.N., Shvedov, K.K. - Determining the Chapman-Jouguet pressure and reaction time in the detonation wave of powerful explosives. p. 154.

Trokhan, A.M. - Photographic examination of pulsations in plasmatrons with air stabilization. p. 160.

Ivanov, B.A., Kogarko, S.M. - Study of the normal speed of propagation of a flame and the limit diameters in the decomposition of pure acetylene in vertical tubes. p. 164.

Dimza, G.V. - Properties of the container capable of initiating the detonation of liquid explosives. p. 166.

Pudovkin, M.A. - Temperature field of a stratum engendered by injecting a heat transfer agent into it. p. 169.

[illegible]amiachkin, D.E., Solov'ev, A.N. - Experimental determination of the electric resistivity of liquid alkali metals at temperatures up to 1000°C. p. 176.

REFERATIVNYI ZHURNAL. METROLOGIIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS. MENSURATION AND MEASUREMENT TECHNIQUES (Separate Issue 32)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S R] Moscow, nos.7-8, July-Aug. 1964

REFERATIVNYI ZHURNAL. NAUCHNAIA I TEKHNICHESKAIA INFORMATSIIA (Otdel'nyi vypusk 59) [JOURNAL OF ABSTRACTS. SCIENTIFIC AND TECHNICAL INFORMATION (Separate Issue 59)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.4, Aug. 1964

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh [illegible] ments of ionizing radiations.]

Table of contents translated.

Alekseev, V.IA., Konstantinov, A.A. - USCh-1 plant for absolute activity measurements of alpha emitters. p.5.

Konstantinov, A.A., Kochin, A.E. - USCh-2 plant for absolute activity measurements of beta emitters. p.13.

Alekseev, V.IA., and others. - Apparatus for measuring external alpha and beta emissions and the relative nonuniformity of the distribution of activity over the surfaces of large distributed alpha and beta emitters. p. 23.

Aglintsev, K.K., Moskvina, E.P., Rusinova, S.A. - Measuring the activity of beta emitters by means of an ionization chamber. p. 42.

IUdin, M.F. - Certain corrections applied in establishing the roentgen equivalent by a 250 ÷ 3000 Kev. standard instrument. p. 56.

Aglintsev, K.K. - Use of Co^{60} gamma sources as standard measures in determining the unit of exposure dose rates. p. 70.

Fominykh, V.I., IAritsyna, I.A. - Apparatus for comparison of neutron sources of identical spectral composition. p. 76.

IAritsyna, I.A. - Some types of fission chambers. p. 81.

Shchebolev, V.T. - Method of associated particles. p. 86.

Uchevatkin, I.F. - Magnetic beta spectrometer with twofold focusing at an angle of 180°. p. 95.

SVERDLOVSK. URAL'SKII POLITEKHNICHESKII INSTITUT. Trudy [URAL POLYTECHNIC INSTITUTE. Transactions]. Moscow, no.129, 1963. [Productivity and surface quality in machining.]

Table of contents translated

Preface. p. 3.

Spiridonov, A.A., Fedorov, V.B. - Surface quality and productivity in using the static method of surface hardening. p. 5.

Kuklin, L.G. - Effect of the quality of surface layer on the durability of roller bearings. p. 15.

Sagalov, V.I. - Eliminating defects in grinding cutting-tools made of R 18 steel. p. 26.

Golubev, S.S., Sergeeva, M.A. - Precision and roughness of a textolite surface machined on lathes. p. 32.

Fedorov, V.B. - Steel hardening by centrifugal ball burnishing. p. 38.

Paraskov, A.I. - Increasing the productivity in boring holes. p. 44.

Shunaev, B.K., Perlov, E.F., Savel'eva, I.M. - Rounding method for broaching gear wheels. p. 53.

Shabashov, S.P. - Investigating the relationship between the wear of hard alloys and their mechanical strength. p. 67.

Ploskov, V.A. - Thickness of the cut-off layer in milling gear teeth. p. 74.

Ploskov, V.A. - Area of effective loading and the geometry of a layer cut-off by peripheral tooth edges of the hobbing cutter. p. 86.

Syromiatnikov, V.S. - Problems of economic efficiency of the shaving of high-module gear wheels. p. 95.

Sharin, IU.S. - Dynamometer with a contact vibration pickup for measuring cutting forces. p. 102.

Ashikhmin, V.N. - Torsion dynamometer with resistance wire pickup for measuring cutting forces. p. 106.

Samoilov, S.I., Spiridonov, V.D. - Improving the machinability of G 13 L steel. p. 113.

SVERDLOVSK. URAL'SKII POLITEKHNICHESKII INSTITUT. Sbornik nauchnykh trudov [URAL POLYTECHNIC INSTITUTE. Papers]. Moscow, no.126, 1963. [Physical chemistry of metallurgical melts].

Table of contents translated:

Preface. p. 4.

Popel', S.I. - Interfacial tension of iron and its alloys at the boundary with oxide systems. p. 5.

D'iakonov, V.I., Popel', S.I. - Effect of the time length of holding transformer steel in vacuum and the moment of introducing a deoxidizer on the content of nonmetallic inclusions. p. 18.

Popel', S.I., Sokolov, V.I., Korpachev, V.G. - Effect of magnesium oxide on the physicochemical properties of iron silicate melts and froth stability. p. 24.

Chuchmarev, S.K., Dobryden', A.A. - Using electrical currents to intensify the burning out of sulfur in slags. p. 34.

Nikitin, IU.P. - Investigating the kinetics of the interaction between liquid metal and slag by electrochemical methods. p. 40.

Nikitin, IU.P., and others. - Behavior of iron oxides during the interaction of iron with an enamel melt. p. 59.

Nikitin, IU.P., Safonnikov, A.N. - Surface properties of welding fluxes. p. 66.

Shurygin, P.M., Shantarin, V.D. - Kinetics of the dissolution of metals. p. 73.

Shurygin, P.M., Boronenkov, V.N., Kriuk, V.I. - Kinetics of alumina dissolution in molten fluorides. p. 80.

Shurygin, P.M., Sherstobitov, M.A., Barmin, L.N. - Oxidation kinetics of molten slags. p. 8[illegible]

Krentsis, R.P., Gel'd, P.V. - Certain thermophysical characteristics of iron silicides. p. 93.

Abramov, B.A. - Thermodynamic stability of the processes of refining molten Fe-V-C-Si and Fe-Cr-C-Si with conservation of vanadium and chromium. p. 100.

TALLINN. POLUTEHNILINE INSTITUUT. Toimetised. Seriia A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies] No. 2[illegible], 1963.

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All Union Communist Youth League of Lenin]. Moscow, vol.31, nos.7-8, 1964.

TIFLIS. GRUZINSKII POLITEKHNICHESKII INSTITUT. Trudy [GEORGIAN POLYTECHNIC INSTITUTE. Transactions]. No.4(84), 1963. [Metallurgical collection.]

Table of contents translated:

Khvichia, A.T., Mizmishvili, S.M., Mindeli, M.[illegible] - Investigating the phase constitution of sinters from Dashkesan magnetites. p. 6.

Kashakashvili, N.V., and others. - Performance of Transcaucasia Metallurgical Plant blast furnaces operating on natural gas. p. 11.

Kashakashvili, N.V., and others. - Production and use of highly basic, open-hearth furnace sinters from Dashkesan iron ore. p. 25.

Babitskii, G.D., Samkharadze, S.G., Khvichia, A.[illegible] Making silicomanganese from a single charge mixture on the basis of a 4th-grade manganese ore. p. 33.

Samkharadze, S.G., Khvichia, A.T. - Making use of waste slags obtained in the production of silicomanganese. p. 39.

Tavadze, F.N., Kataliadze, Sh.S. - Form changes of graphite in solid cast iron. p. 43.

Tavadze, F.N., Dzhanelidze, I.Sh. - Effect of vacuum treatment on structural transformations in cast iron. p. 51.

Tavadze, F.N., Kartozia, E.S. - Surface saturation by lithium of iron, cobalt, and nickel. p. 57.

Tavadze, F.N., Kovchina, E.K. - Mechanism and the structural forms of the intermediate transformation of austenite in die steels. p. 65.

Kartozia, E.S. - Magnesium diffusion in iron-chromium and iron-manganese alloys. p. 75.

Dobordzhginidze, P.S. - Irregularity of deformation during axially symmetric upsetting. p. 81.

Dobordzhginidze, P.S. - Deep flow of the metal during its plastic shaping. p. 87.

Oklei, L.N., Lomsadze, Dzh.M. - Process of diagonal rolling without mandrels. p. 93.

Oklei, L.N., Tumberidze, A.I., Lomsadze, Dzh.M. - Deformation process during the rolling of pipe on an automatic mill. p. 101.

Lomsadze, Dzh.M., Oklei, L.N. - Average specific pressure during the transverse upsetting of cylindrical blanks. p. 109.

Arobelidze, A.K. - Preparing a complex sinter from Dashkesan iron ores. p. 113.

Skriabin, N.P., Baakashvili, V.S., Korshikov, V.D. - Resistance to deformation during the rolling of titanium alloys. p. 123.

Mamardashvili, G.M. - Correlation between systems and numbers. p. 133.

Kashakashvili, N.V. - Prospects for the cokeless making of cast iron. p. 135.

Matsaberidze, I. - Labor productivity and potentialities for its increase in Georgian Ferrous Metallurgy. p. 145.

Dobordzhginidze, P.S. - Power conditions, leading, and method of determining the friction coefficient in rolling. p.179.
Khvichia, A.T., Samkharadze, S.G., Muradova, Z.A. - Studying the gaseous phase in the production of ore-coke. p.189.
Dobordzhginidze, P.S. - Determining power conditions in the drawing of metals. p.199.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U S S R]. Moscow, vol 5, no. 12(60), Dec. 1963.

Table of contents translated

Active participants in the building of communism p. 2.
Ryzhkov, D - Backbone of industry. p 6.
Bunin, A - Metal for our country. p. 8
Gusev, V - Labor productivity is most important p 9.
Auerman, L. - For the good of men. p 11.
Shevchenko, N. - Toward a cherished goal. p 13.
Il'in, L. - Leaders in the major chemical industrial complexes. p. 15.
TSukanov, E , Morgulis, P - On the road of initiative. p 18
Koreshkov, D. - Common business needed by people p 21
Shmakova, A - Managers of timber resources. p. 24
Matzevich, B - Plans and achievements of creative brigades. p. 27
Drabkin, A. - Green light is open into the future. p. 20.
Borisov, G., Khesin, N. - Creators of the "winged" metal. pp. 32, 35, 37.
Savel'ev, S. - The foundation has been laid. p. 34.
Skuratov, M. - Research diary. p. 40.
Khromov, K. - Potentialities of shipbuilding workers p. 43.
Authority of the society has increased. p. 45.
Dmitriev, K - Purposefulness and business approach. p. 46.
Tiurin, V. - Under carbon dioxide protection. p. 47.
News of Soviet science and technology. p. 50
Murgulets, N. - Our work for the People's Rumania p. 52.
Science and technology abroad p 55.
In leisure hours p. 57

Vol. 6, no 5(65), May 1964.

Table of contents translated:

Savel'ev, I. - Trend toward intensification. p. 2.
Zhukov, A. - Thinking about the main problem. p. 6.
Koreshkov, D. - How can chemists help agriculture? p. 9.
Pamfilov, A. - Better utilization of potentialities. p. 12.
Vasil'ev, N. - Green light to chemical orders. p. 14.
Bolgarov, N. - Automation of engineer's work. p. 16.
Khrestin, N. - The workers' conscience is the best inspector. p. 19.
Ostrovskii, G. - Beautiful, simple, efficient. p. 22.
Bychkova, A. - New equipment into production. p. 25.
Drabkin, A. - If you look deeper. p. 28.
Uriupinskii, P. - Heavy-duty conveyor. p. 32.
Kozlov, N., Mandrugin, A. - When work becomes creative activity p. 34.
In the Presidium of the All-Union Central Council of Trade Unions. p. 40.
Vologdin, S. - Stronger than steel. p. 41.
Folumenov, S. - Well disposed toward work. p. 44.
Lander, A. - Pages about a life. p. 47.
New developments in Soviet science and technology. p. 49.
Liagushov, N. - Establishment of programs for popular universities of technical progress. p. 52.
Chislov, A. - For public benefit. p. 55.
Foreign news. p. 58.
In leisure hours. p. 60.

Vol. 6, no. 6(66), June 1964.

Table of contents translated:

Gritsenko, N. - Introduce innovations urgently. p. 2.
Alent'ev, A. - Silicones should be used in industry. p. 6.
Rozanov, S. - Voluntary organization for the introduction of a wide use of chemicals. p. 8.
Helping crops. p. 9.
Povorozhenko, V. - Efficiency of recommendations. p. 13.
Kazakov, P. - Stop the sea. p. 17.
Milin, P., Vinogradov, A. - Needs of the Zaporozh'ye refractories industry. p. 20.
Aref'ev, V. - Scouts of the chemistry of big molecules. p. 23.
Anzimirov, G., Vinnik, I. - Power of an active propagation of technical information. p. 26.
Kropotukhin, A. - Fighters for technical progress. p. 29
Pudalov, A. - That is called creative activity. p. 32
Chubarov, M , Chumakov, S. - When such an activity . p. 35.
Folumenov, S - Gifts of irrigated crops. p. 38
Pavlov, S. - Fundamentality is winning. p 40.
Smurov, P. - The road to science. p. 42
Kurbskii, V - Duty of a scientist and citizen. p. 45.
Markin, D - On a durable foundation. p. 47
New developments in Soviet science and technology. p. 50.
Financial operations of an initial organization of the society. p. 52.
Foreign news. p. 55
Lozinskii, M., Pribylov, B., Chechekin, IU. - At the congress in Leipzig p. 57.
In leisure hours p. 60.

ZA TEKHNICHESKII PROGRESS [FOR TECHNOLOGICAL PROGRESS]. Organ of Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR [State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research and the Economic Council of the Azerbaijan S.S.R.]. Baku, vol. 3, no. 11(35), Nov. 1963.

Table of contents translated:

Toward the 46th anniversary of the Great October Revolution. p. 1,
Gershfel'd, G.N., Ibragimli, Sh.N., Petrov, A.P. - Device for determining catalyst concentration in the suspension. p. 3.
Leitman, M.B. - Transistor voltage switch for multichannel measurement units. p. 6.
Samed-Zade, Sh.A., Nikulin, B.A. - Programmed control system for sprinkling units. p. 10.
Abdullaev, K.M., Melikova, R.I. - Hydrazine treatment of feed water for high-pressure boilers at the "Severnaia" State Regional Heat Power Station. p. 13.
Vertkin, M.TS., Balashov, A.A. - Analyzing the design of shafts for threaded and nonthreaded drill hooks. p. 16.
Kadirov, N.D., Makhmudov, D.M. - Determining stresses in a hook due to the lifting and lowering of the drilling string in inclined wells. p. 19.
Kerimov, N.A., Mekhtiev, R.I. - Carburation and control in gasoline engines with direct injection. p. 23.
Buzdakov, A.P., Krepkov, D.V., Shakhmaliev, G.M. - Measures for increasing the efficiency of the mechanical brake of a drill winch. p. 27.
Ginis, IU.B. - Hydrogeological characteristics of pliocene deposits in the south-eastern part of the Kura depression and the outlook for the water prospecting for industrial purposes. p. 32.
Kerimov, G.G. - Organization of industrial production of dairy products for children. p. 36.
Askerov, T.M. - Coding and organization of economic information for the solution of various problems in material and technical supply with electronic digital computers. p. 40.
Gakhramanov, S.D. - Role of financing in technological progress. p. 43.
Aver'ianov, K.I. - Disseminate the knowledge of economics among all managers. p. 46.
Allakhverdiev, G.A., Negreev, V.F. - Effect of certain factors on local steel corrosion in saline soils. p. 47.

*ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 34, no. 5, May 1964.

Table of contents translated:

Ionov, N.I. - Study of gas-discharge and cosmic plasmas by means of multielectrode probes. p. 769.
Vandakurov, IU.V. - Stability of a pulsating plasma filament. p. 788.
Lebedev, N.N., Skal'skaia, I.P. - Some problems in the theory of heat conductivity for wedge-shaped bodies. Part 1. p. 801.
Kuznetskii, R.S. - Magnetic field inside a cylinder with a rotating exterior radial field. p. 809.
Lebedev, A.N. - Force-free current distributions. p. 812.
Vinnikova, T.L., Gintsburg, M.A. - Spectrum of surface waves at the interface between a vacuum and a magnetoactive plasma. p. 818.
Kagan, IU.M., Liagushchenko, R.I. - Electron energy distribution function in a positive discharge column. p. 821.
Vorob'eva, N.A., Kagan, IU.M., Milenin, V.M. - Electron velocity distribution in a positive column in a gaseous mixture. p. 828.
Podgornyi, I.M., Sumarokov, V.N. - Study of the behavior of a plasma in a magnetic trap with axial current (system H). p. 833.
Azovskii, IU.S., Guzhovskii, I.T., Safronov, B.G. - Electrode type conical source of plasma clots with pulsewise admission of gas. p. 841.
Belikov, A.G., and others. - Production of fast plasma clots using a coaxial source. p. 847.
Semenov, V.K., Spektorov, L.A. - Studying a plasma jet produced by an impulsive discharge. p. 853.
Gordeev, IU.S., Panov, M.N. - Ionization and electron capture in collisions between hydrogen ions with atoms and molecules of gases. p. 857.
Kuprilanov, S.E. - Dissociation of doubly charged ions. Dissociation of CO^{++} ions. p. 861.
Gurov, S.V., and others. - Processes on electrodes in heavy-current discharges in a vacuum. p. 868.
Pasechnik, L.L., Kozak, O.V., IAgola, V.V. - Confinement of a dense plasma carrying a current in a magnetic field. p. 873.
IAkubov, I.T. - Ionization relaxation behind a shock wave front in argon with a cesium impurity. p. 879.
Kostin, V.N., Tkachenko, V.M. - Effect of a constant magnetic field on a stationary corona discharge. p. 883.
Krinberg, I.A. - Theory of an electric arc column burning under the conditions of natural convection. Part 1. p. 888.
Il'in, O.G., Shenderovich, A.M. - Characteristics of pulse magnets with ferromagnetic cores. p. 896.
Il'in, O.G., Shenderovich, A.M. - Characteristics of pulse magnets. p. 906.
Zubenko, IU.V., Sokol'skaia, I.L., Fursei, G.N. - Some characteristics of field emission at high current densities. p. 911.
Lapin, IU.V. - Turbulent heat and mass transfer on a porous plate through which various gases are allowed to pass in the presence of sublimation. p. 913.
Baksht, F.G. - Theory of a diode filled with a rarefied plasma. p. 926.
Morgulis, N.D., Korchevoi, IU.P. - Some properties of a slightly ionized thermal cesium plasma. p. 940.
Mel'nikov, N.P., Ostroumov, G.A., Stoiak, M.IU. - Electric breakdown in aqueous solutions of sodium chloride. p. 949.

Vol. 34, no. 7, July 1964.

Table of contents translated

Morozov, A.I., Solov'ev, L.S. - Plane flows of an ideally conducting compressible fluid, allowing for the Hall effect. p. 1141.
Morozov, A.I., Solov'ev, L.S. - Acceleration of a rotating plasma in axisymmetric channels. p. 1154.
Kval'vasser, V.I., Rutner, IA.F. - Expansion of a neutral plasma in an external magnetic field. p. 1170.
Bogdankevich, L.S., Rukhadze, A.A. - Cyclotron oscillations of an inhomogeneous plasma. p. 1175.
Demidenko, I.I., and others. - Interaction between plasma clots and a transverse magnetic field. p. 1183.
Aretov, G.N., and others. - Structure of plasma clots from a coaxial injector. p. 1191.
Kreindel', IU.E., Ionov, A.S. - Characteristics of discharges in Penning tubes at low pressures. p. 1199.
Sushkov, A.D., Meos, V.A. - Superhigh-frequency nanosecond video pulse oscillator. p. 1206.
Aleksin, V.F., Stepanov, K.N. - Induction of electromagnetic waves in a plasma by external currents. p. 1210.
Kniazev, IU.R., and others. - Radiation from a high-pressure argon arc. p. 1224.
Vasil'ev, M.P., and others. - Cyclotron resonance in an inhomogeneous plasma cylinder. p. 1231.
Borovik, E.S., Nikolaev, G.T., Sharevskii, B.A. - Production of an ultrahigh vacuum by means of a heated hydrogen diffusion pump. p. 1237.
Davidovskii, V.G., Dubovoi, L.V., Ponomarenko, A.G. - Resonance probing of a plasma in a magnetic field. p. 1242.
Kostin, V.N., Tkachenko, V.M. - Effect of a constant magnetic field on a stationary corona discharge. p. 1252.
Bomko, V.A., Revutskii, E.I. - Study of an accelerating system operating on an H_{111} wave. p. 1259.
Bomko, V.A., Revutskii, E.I., Bolotin, L.I. - High-frequency characteristics of a linear accelerator of multiply charged ions of an energy up to 1 Mev. per nucleon operating on an H_{111} wave. p. 1266.
Glazov, A.A. - High-frequency single-cavity accelerator for 1 Mev. protons. p. 1272.
Zashkvara, V.V., Korsunskii, M.I. - Experimental study of the ion-optical properties of an electrostatic analyzer with a linearly distributed potential on deflecting electrodes. p. 1285.
TSyrlin, L.E. - Calculation of the field of certain electron-optical devices. p. 1293.
Zinchenko, N.S., Zhigallo, B.A. - Effect of ion focusing in velocity modulated electron beams. p. 1306
Fursei, G.N. - Pulse field emission of rhenium. p. 1312.
Kuprilanov, S.E., Perov, A.A. - Dissociation cross sections of ions from propane colliding with neon atoms. p. 1317.
Mostovskii, A.A., Sakseev, D.A. - Possibility of using a pulse transit-time mass spectroscope in studying the vaporization of compound substances. p. 1321.

[illegible] heating of a plasma [illegible] p. 1324.

[illegible] M. - [illegible] nuclei [illegible] field for [illegible] the rate [illegible] p. [illegible]

[illegible] F. - [illegible] of high frequency energy [illegible] p. 1337.

[illegible] F., [illegible] I.A. - [illegible] the resist- [illegible] magnetic field at low tempera- [illegible]

b. AERONAUTICS

[illegible] [AVIATION AND ASTRO- [illegible] 1964

Table of contents translated

[illegible] equipment. p.2.

[illegible] p.6.

[illegible] IU. - [illegible] p.11.

[illegible] A. - [illegible] and a student himself. p.14.

[illegible] A., [illegible] A., [illegible] V. - Nose spin [illegible] p.21.

[illegible] P. - [illegible] the sky. p.25.

[illegible] A. - "[illegible] us fly [illegible]" says [illegible]ko. p. [illegible]

[illegible] M. - Flight discipline and flight com- [illegible] p.32.

[illegible] V., [illegible] V. - Electronics and [illegible] p.38.

[illegible] V. - Tactical training is going on. p.45.

[illegible] A. - First class training and combat preparation. p.49.

[illegible] V., [illegible] F. - Automatic control system of a [illegible] airplane. p.54.

[illegible] F. - Methodological advice. p.61.

K[illegible] A. - In a leading maintenance company Part 2 Before and after regular operations. p.64.

[illegible] Shellal[illegible] G. - Methods of instrument control. Part 3 Magnetic flaw detection. p.71.

[illegible] V. - Man in weightlessness, psychophysiological reactions. p.77.

Astas'kevich, A. - The fourth turn. p.83.

Chernyak, E. - Wind calculation with a navigation rule. p.85.

[illegible] V. - Using a map in flying p.85.

Technician Kuzmin's flaw detector. p.86.

Linnik, G. - There are women in Russian communities. p.87.

[illegible] N. - Provocative operations of high-altitude military airplanes of the United States p.89

GRAZHDANSKAIA AVIATSIIA [CIVIL AVIATION]. Issued by Glavnoe upravlenie grazhdanskogo vozdushnogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 21, no 6, June 1964

Table of contents translated

Evtoev, B - Guide with skill. p 1.

Naprienko, V - One day p 4.

Klimenko, V. - Training flight with freight p 5.

Tarain, I - Work with a creative outlook. p. 6.

Volkaitis, I, Malanchev, L - Five steps above the earth. p 8

Ovchinnikov, O. - Present status and the future of planning p 10.

Readers' letters. pp 11, 25.

By the call of conscience p 12

Aleksandrova, V. - Professional flair. p.14

New books. p 14.

Aeronautical kaleidoscope p.16

Nikolaev, D N - Surprises of the negative thrust. p 18

Ivanov, I - For a model main air route. p 20.

Aleksandrov, V. - The secret of a wrench and screwdriver p 21

Berezin, V., Ryzhaia, M - Is it possible to spray on dewy flax? p. 22

Gorgotsadi, G - Is a second pilot for an An-2 airplane needed? p. 23.

Borodina, T - Kazakhstan has introduced it, the Ukraine has not. Why? p 24.

Chaienko, I, Breslavets, E., Kunashev, M. - The wide front of mechanization. p 25.

Voronovich, E. - Potentialities can be found everywhere. p 26.

Mikhalenko, K. - Flights, flights, flights, passage from a story p. 28.

Kiermann, K. - From a reporter's point of view. p. 30.

From foreign periodicals p. 31.

Metlakha, M. - About courageous and skillful people. p. 32.

KRYL'IA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 15, no. 5, May 1964.

Table of contents translated:

Attacking records. p. 1.

Golyshev, M. - Fighter-bombers are in the air. p. 2.

With the airplane "Aleksandr Pushkin." p. 3.

Above the renowned Crimea territory. p. 4.

Their names are on the map. p. 4.

Kuz'min, N. - Beloved Sevastopol. p. 5.

Savik, O. - Happiness; verse. p. 5.

Vasina, B. - There is something to rejoice. p. 6.

Sukharev, M. - Honorary titles. p. 7.

Porfirov, B. - Who will get the medals? p. 8.

Ignat'ev, S. - Always fit for sports. p. 10.

Shokhan, N. - A hard nut. p. 11.

Tkachenko, E. - Fight for speed. p. 12.

Sportsmen of the first class. pp. 13, 3 of cover.

Vinokurov, A. - Boundaries of Regina Garmiute. p. 14.

Es'kov, V. - Miniature rockets. pp. 16, insert A.

Anniversary of a veteran of aeronautics. p. 17.

"Il-62." pp. 17, insert B-C.

Pashukhina, A. - Thirty minutes under parachute canopy. p. 17.

Dvoenosov, D. - Impartial umpiring. p. 18.

Musatov, A. - Wishing you every success, Arsenii Filippovich. p. 19.

Gamulin, A., Sofronov, E. - Instruments show the route (conclusion). p. 20.

Marchenko, A. - Blade for making airplane models. p. 21.

Nistratov, A. - Rocket rises toward clouds. p. 22.

Lebedinskii, M. - Concord. p. 23.

Kumanin, V. - From the design to the model. p. 25.

Semenkevich, N. - By unbeaten tracks. p. 26.

Handing the baton in the air. p. 27.

In the International Aeronautical Federation. p. 28.

Sobolev, O. - Squeeze your hand, Icarus; a tale (to be continued). p. 29.

Smirnykh, A. - Cadet; verse. p. 30.

Lashkov, I. - Night flight; verse. p. 31.

REFERATIVNYI ZHURNAL· VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS AIR TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 8, Aug. 1964 [This journal is also issued in parts]

* RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshik uchebnykh zavedenii; aviatsionnaia tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering]. Moscow, vol. 6, no. 4, 1963.

Table of contents translated:

Val'kov, IU. A. - Entry of a winged aircraft in a vertical air gust. p. 3.

Kozhevnikov, IU. V. - Selection of optimum aircraft control. p. 15.

Pozhalostin, A. A. - Natural vibrations of a fluid in a rigid circular culindrical vessel with a flexible flat bottom. p. 25.

Strashinina, K. P. - Precise solution of the plane problem of viscous fluid flow in a diffuser without the consideration of inertia elements. p. 33.

Vakhitov, M. B. - Calculation of natural joint bending and torsional vibrations of a rotating helicopter blade. p. 37.

Godzevich, V. G. - Natural vibrations of circular orthotropic conic shells. p. 55.

Kan, S. N. - Carrying capacity of circular cylindrical shells subjected to bending. p. 63.

Kaplan, IU. I. - Analysis of the axisymmetric stressed state of cylindrical shells in the presence of discretely arranged transverses. p. 70.

Popovich, V. E. - Applying the method of consecutive approximations to problems of the stability of plates. p. 79.

Khaldeev, V. M. - Graphoanalytic design of mechanisms. p. 86.

Zenukov, A. G. - Effectiveness of the cooling of a two-circuit sleeve blade. p. 96.

Profile of the mean line of a fan-shaped jet in a drifting flow. p. 103.

IAtyshev, L. A. - Temperature fields in an underheated liquid in case of bubble boiling. p. 112.

Lokai, V. I. - Calculating three-dimentional flow in a turbine stage with nonuniform inlet-gas temperature. p. 117.

Pallei, Z. S. - Calculating bending stresses in nonuniformly heated rotating disks. p. 126.

Sozin, IU. A. - Heat transfer through a wall in case of pulsations of heat transfer coefficients at wall surfaces. p. 132.

Tikhonov, N. T. - Experimental investigation of the effect of the partiality and height of blades on the performance of centripetal microturbine. p. 139.

Chu Tsung-liang. - Effect of characteristics of the guide rig on the development of rotating separation in the rotor wheel of an axial-flow compressor. p. 150.

Osipov, V. A. - Machining parts of the wing framework and empennage on program-controlled machine tools. p. 157.

Fadeev, V. IA. - Using separate summing of systematic and random errors in technological calculations of operational linear dimensions for machining. p. 166.

Sidorov, O. P. - A class of vortex flows. p. 175.

Bulychov, V. A., Shalimov, B. E. - Two new methods of centering. p. 180.

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol 14, nos. 7(115)-8([illegible]) 1964.

c. CHEMICAL TECHNOLOGY

DNEPROPETROVSK. KHIMIKO-TEKHNOLOGICHESKII INSTITUT. Trudy [INSTITUTE OF CHEMICAL TECHNOLOGY. Transactions]. No. 16, 1963. [Chemistry and chemical technology], pt. 1.

Table of contents translated:

Koval'chuk, D. S., Morozov, V. P. - Thermodynamic functions of tetrahedral hydrides and their deutero derivatives. p. 1.

Khlebnikova, V. N., Morozov, V. P. - Calculation of a spectroscopic mass of hydrogen and deuterium of pyramidal hydrides and deuterides. p. 7.

Loshkarev, M. A., D'iachenko, T. F. - Effect of additions on the electrodeposition of lead from a pyrophosphate electrolyte. p. 27.

Loshkarev, M. A., D'iachenko, T. F. - Obtaining bright cadmium deposits from cyanide baths. p. 35.

Arishkovich, A. M., Usatenko, IU. I. - Dimercapto thiopyrones, new analytical reagents. Report No. 1 Synthesis of dimercaptothiopyrones. p. 43.

Arishkovich, A. M., Usatenko, IU. I. - Dimercapto thiopyrones, new analytical reagents. Report No. 2 Amperometric titration of copper. p. 47.

Moshchinskaia, N. K., Ogil, M. S. - Process of condensation of 9,10-bis (chloromethyl) anthracene with phenol. p. 53.

Galushko, V. P., Loshkarev, IU. M. - Some particular features of a simultaneous discharge of manganese and hydrogen ions. p. 60.

Moshchinskaia, N. K., Plinsovskaia, S. V. - Polycondensation resins. p. 65.

Belyi, IA. I., Beliaev, G. I. - Interaction of borosilicate melts and steel. p. 71.

Loshkarev, M. A., Efremova, M. G. - Inhibition of the anodic ionization of zinc. p. 77.

Loshkarev, M. A., Lovitin, Zh. L., Chernenko, V. I. - Experimental check of the graphic method for calculating polarization when superimposing the direct and alternating currents. p. 87.

Efremova, M. G., Loshkarev, M. A. - Tribenzylamine as an inhibitor of tin ionization and Sn^{2+} discharge on an amalgam electrode. p. 90.

Sukhoruchkina, A. S., Usatenko, IU. I. - Amperometric titration of mercury with 2, 4-dithiobiuret p. 113.

Suprunovich, V. I., Usatenko, IU. I. - Amperometric titration with 8-mercaptoquinoline solution. p. 123.

Ivanov, S. M., Khanin, I. M. - Distribution of streams in a tubular apparatus with the system of gas supply along the cross section. p. 133.

Ivanov, S. M., Khanin, I. M. - Aerodynamics of a cyclone reactor with atomizers. p. 139.

Nabivach, V. M., Dal', V. I. - Simplified design of a microflame detector for gas-liquid chromatography. p. 149.

Pilt, I. G., Nilus, S. G. - Absorption of hydrogen sulfide by potassium carbonate solution in a foam bubble. p. 161.

Ganz, S. N., Kuznetsov, I. E. - Hydrodynamics of centrifugal atomizers. p. 173.

Kuprienko, I. G., Khanin, I. M. - Experimental study of the distribution of flows in a heating system of coke ovens with underjet gas feed. p. 183.

Lebedev, B. D. - Resistance of the regenerator packing of coke ovens in the process of modeling p. 197.

Nilus, S. G., Pilt, I. G. - Absorption of hydrogen sulfide by potassium carbonate solution in scrubbers with a porous packing. p. 209.

Ganz, S. N., Luk'ianitsa, A. I., Braginskaia, R. I. - Process of thermal dissociation of iron vitriol. p. 221.

Lebedev, B. D. - Transition factors of alloying elements during automatic welding with wire made of powdered material. p. 225.

GAZOVAIA PROMYSHLENNOST' [GAS INDUSTRY]. Or- [illegible] komitet po [illegible] SSSR [State Production Committee [illegible] U.S.S.R.] and [illegible] 1964.

Table of contents translated:

[illegible] - Toward further improvements in [illegible] natural gas in the national economy. [illegible]

Voitsitskii, V. P., IUshkin, V. V. - Study of certain problems in the production of condensate in the Shebelinka gas field. p. 4.
Dubrovin, A. N. - Determining the location of gas leakage in the production casing of gas wells. p. 8.
Berezhnoi, A. I., Degtev, N. I. - Experimental study of the vacuum degassing of muds. p. 11.
Kovgan, IU. V. - Plant test of the BU-50-BR drilling rig. p. 16.
Sosnin, IU. P. - Problems arising in the theory of water heating on direct contact with the high-temperature products of gas combustion: a topic for discussion. p. 17.
Provisional norms for projecting, building and using gas installations in a rural region. p. 25.
Markov, S. A., Pshenichnii, B. N. - Calculating high- and medium-pressure gas pipelines. p. 26.
Ivanov, V. A., Monina, K. Z., Maltabar, L. N. - Comparative tests of ATS-4 and ATS-4M tank trucks for the transportation of liquefied gas. p. 31.
Degtev, G. F., Savich, B. V. - Drying colored hardware through gas heating. p. 33.
Kashler, S. G. - Combustion of natural gas in rotary heat-treating furnaces. p. 35.
Shevchuk, V. U. - Obtaining acetylene through the oxidation pyrolysis of methane-propane-butane mixtures. p. 36.
Legostaev, P. IA. - Selecting gas samples from a gas pipeline to determine the content of mechanical impurities. p. 42.
Parra, I. K., Petina, N. V. - Automated cathodic protection station. p. 40.
Charnii, I. A., Mitel'man, B. I., Rozenberg, G. D. - Cooling capacity of two-phase flows. p. 50.
Kolpakov, V. P. - Changing the arrangement for the inclusion of a gas offtake outlet. p. 52.
Transportation and use of natural gas in France. p. 53.
Brief news. p. 55.

Vol. 7, no. 9, 1962.
Table of contents translated:
Romanovich, I. S. - Formation of the Shebelinka uplift in the Donets transitional region. p. 1.
Agishev, A. P. - Interreservoir gas flow through the cement ring of a gas well. p. 5.
Buzinov, S. N., Bykov, I. N., Umrikhin, I. D. - Determining the location of the flow between reservoirs from the data of investigations. p. 9.
Kachalov, O. B. - Formula for calculating gas flow to a well after it has been shut down. p. 13.
Sechenov, G. P., Al'tshuler, V. S. - Gasification of Krasnoyarsk lignite in a fluidized bed at a gauge pressure of 20. p. 15.
Levin, A. M., Briukhanov, O. N. - Flame stability in relation to backfire in gas burners. p. 21.
Kliuchnikov, A. D. - Role of radiance and criteria for evaluating the radiant efficiency of a flame in furnaces. p. 25.
Gordiukhin, A. I. - Planning and building city gas-supply systems. p. 29.
Kozyrev, G. G. - Operation of the Ochakov brick yard on natural gas. p. 32.
Zotov, A. A. - Device for locating underground gas pipelines. p. 34.
Mikhailovskii, IU. M., and others. - Electrochemical protection of gas pipelines from corrosion caused by stray currents. p. 37.
Stradymov, P. K. - Storage of gas in gas pools under elastic conditions. p. 42.
Maigurov, E. N. - Determining the length of a loop or insertion to change the delivery and pressure at the end of a section of gas pipeline. p. 46.
Revzin, B. S. - Comparative economic efficiency of regenerative and nonregenerative gas turbine units for gas pipelines compressor stations. p. 48.
Vigdorchik, D. IA. - Safety in the operation of household gas appliances. p. 52.
Brief news. p. 54.
Bibliography. p. 57.

Vol. 8, no. 2, 1963.
Table of contents translated:
Bernshtein, M. A. - Establishing the actual reserves of gas fields. p. 1.
Korotaev, IU. P., Nam, N. K. - Field investigations of gas wells in order to select methods by which to control hydrate formation. p. 7.
Vetrov, V. I. - Hydraulic fracturing in the gas wells of the Stavropol fields. p. 13.
Malikov, K. V., and others. - Simultaneous gasification of peat and peat tar. p. 15.
Nemirovskii, A. IA. - Converting electric pusher-type furnaces to natural gas. p. 18.
Rabinovich, M. I., Bulgakov, K. B. - Gas heating devices without flue systems. p. 22.
Zakharova, Z. L. - Operation of infrared radiation burners in the wind. p. 26.
Landsman, S. U., Markovskii, F. T., Sinitsyna, L. P. - Specific indices and regime characteristics for gas consumption in residential sectors of cities. p. 30.
Krasovskii, B. M. - Nomogram for calculating low-pressure gas pipelines. p. 34.
Malinov, A. I. - Mesozoic weathering crust of the Central Ural and the possibilities for the creation of underground gas reservoirs in them. p. 35.
Stoliarskii, M. T. - Certain methods for changing the characteristics of centrifugal pumps. p. 40.
Akhverdiev, G. I., Trifel', M. S. - Protecting the underground utilities of cities from corrosion. p. 43.
Pechuro, I. S., Grodzinskii, E. IA., Pesin, O. IU. - Obtaining acetylene by the electric cracking of liquid hydrocarbon stock. p. 47.
Consultation. p. 49.
Foreign technology. p. 51.
Brief news. p. 53.

Vol. 8, no. 6, 1963.
Table of contents translated:
Vasil'ev, V. G., and others. - Prospects for finding gas in the southern part of the East Siberian Platform. p. 1.
Temin, L. S., Friman, IU. M. - Studying the complex gas-water surface in the Severnyy Stavropol gas field. p. 5.
Agishev, A. P. - Investigating cement stone in experimental drilling wells. p. 10.
Bukshpun, I. D. - Radiative gas heating appliances. p. 15.
Smirnov, V. A. - Method for determining rated gas consumption. p. 18.
Degter, G. F., Kharchenko, V. I. - Nonoxidative heating of steel parts in electric furnaces. p. 22.
Smorodinov, V. IA., Popov, V. V. - Using a flame screen in a furnace for heating pipes. p. 24.
Projects for gas distribution and compressor stations. p. 27.
Zelentsova, N. I., and others. - Investigating the design of a set-up for separating casing-head gases using a liquid coolant. p. 30.
Khodanovich, I. E., Mamaev, V. A. - Effect of liquid in gas flow on the hydraulic resistance of a pipeline. p. 36.
Sedov, V. P. - Instrument for checking the thickness of insulation in a gas pipeline. p. 38.
Foreign technology. p. 40.
Consultation. p. 44.
Brief news. p. 45.
Bibliography. p. 56.

Vol. 8, no. 7, 1963.
Table of contents translated:
Science and technology in the gas industry. p. 1.
IUshkin, V. V. - Russkiy Khutor gas condensate field. p. 6.
Kozlov, V. A. - Commercial prospecting of gas pools in the Uzen' gas field. p. 8.
Gabrielian, A. G. - Effect of reservoir properties of layers on the distribution of oil and gas pools in them. p. 12.
Korchazhkin, M. T. - Calculating the throttling of natural gas. p. 15.
Shaganov, IU. V. - Automatic and remote control of a gas generator station in a shale processing combine. p. 22.
Peshkin, M. A. - Investigating the design of an injector for feeding a gas-air mixture at maximum velocity. p. 25.
Semenov, L. V. - Using natural gas in foundry work. p. 30.
Bolchenko, V. I., Ginzburg, L. P. - Gas-air burner with increased parameters. p. 36.
Bendik, A. T. - Nomogram for the calculation of control throttle flaps in gas pipelines. p. 38.
Kuz'min, M. M., Krasovskii, B. M. - Designing city gas-supply systems. p. 41.
Ninburg, A. K. - Consultation. p. 41.
Sidorenko, M. V., Genkin, K. I. - Power drive for compressor stations. p. 43.
Porshakov, B. P., Bikchentai, R. N. - Limits to the practicability of the use of heat regeneration in gas-turbine units in compressor stations. p. 46.
Agaev, N. A., Golubev, I. F. - Viscosity of liquid and gaseous n-heptane and n-octane at high pressures and different temperatures. p. 50.
Foreign technology p. 53.
Brief news. p. 3 of cover.

Vol. 8, no. 9, Sep. 1963.
Table of contents translated:
Antonov, P. L. - Range and duration of the diffusion of gases from pools into edge waters. p. 1.
Khangil'din, G. N. - Investigating the effect of admixtures on the water and gas permeability of hardened cement. p. 6.
Sokolov, N. S. - Automatic control of condensate separation. p. 11.
Rubtsov, G. K., Cyromiatnikov, N. I. - Combustion of an air-gas mixture in a "fluidized bed." p. 14.
Syntkin, V. V. - Recently designed portable gas ignition devices. p. 17.
Donets, V. I. - Using natural gas to dry foundry molds p. 19
Kisanova, M. A., Terk, E. M. - Causes of the ejection of gas combustion products from the combustion chamber of an AGV-80 water heater. p 21
Danilevich, IU. I. - Determining the rated flows for household needs in the design of gas networks p. 23.
Kopytov, V. F. - Work of the Institute for the Utilization of Gas of the Academy of Sciences of the U.S.S.R. p 28.
Loginov, V. S. - In the (Saratov) Scientific Research Institute for the Utilization of Gas in the National Economy p 29
Digai, N. D. - Comparative efficiency of gas supply to certain regions of the U.S.S.R. on a base of various fuel gases p. 32
Tesner, P. A., and others - Obtaining nonoxidizing hot gas reducers from natural gas p. 38
Gudkov, S. F. - Using tail gases in obtaining formaldehyde from natural gas. p 44
Lutskii, V. A. - Reliability requirements for a remote control unit in a gas pipeline p 47
Kel'tsev, N. V. - Foreign technology 52
Brief news p. 56

Vol. 9, no. 4, 1964.
Table of contents translated:
Minskii, E. M. - Accelerating the planning of the development of gas fields. p. 1.
Kozlov, V. A. - Identifying the prospecting levels in multilayered fields. p. 4.
Bernshtein, M. A., Blokh, S. S., Belov, V. L. - Certain results of deep-well investigations of gas wells with MGG-2_u and DGM-4/2 manometers. p. 7.
Peshkin, M. A., Pishchulin, A. P., Robin, M. A. - Operation indices of a gas-air injector for producing a jet of maximum possible velocity. p. 11.
Beglov, D. A. - Radiator pipes with secondary radiators for heating furnaces. p. 14.
Esterkin, R. I., TSypin, V. M. - Eliminating vibrational combustion in a cast-iron heating boiler converted to gaseous fuel. p. 19.
Aronov, I. Z., Solodovnikova, E. N. - Quality of a water pipe heated in contact gas economizers. p. 21.
Kaloshin, K. I. - Consultation. p. 26.
Petrovskii, B. S. - Using capron in the manufacture of the parts of gas-driven compressors. p. 27.
Stoliarskii, M. T. - Efficiency of the basic types of inlet swivel apparatus for centrifugal pumps. p. 30.
Entov, V. M., Kalashnikov, V. N., Raiskii, IU. D. - Vortex tube operating on natural gas. p. 34.
Gal'perin, V. M. - Optimal conditions for the long distance transportation of gas. p. 39.
Kuliev, A. M., Agakishiev, N. A., Pinsker, B. A. - Desorption of casing head gasoline from the surface of adsorbents under increased pressure. p. 48.
Kel'tsev, N. V. - Kinetics of the desorption of water vapors and carbon dioxide from zeolites in a vacuum. p. 51.
Gas industry abroad. p. 54.
Efros, M. M. - Brief news. p. 55.
New books. p. 47.

Vol. 9, no. 6, 1964.
Table of contents translated:
Itsikson, B. S. - Liquefied gases as raw stock for the chemical industry. p. 1.
Vertunov, L. N., TSekhmeistriuk, A. K. - Gas showings in the Neogene sediments of the Issyk-Kul' Basin. p. 3.
Temin, L. S. - Regularities in the distribution of the oil and gas potential of the Mesozoic in the platform slope of the Terek-Kuma Valley. p. 5.
Telkov, A. P. - Simultaneous separate withdrawal of gas, oil, and water in saturated pools with bottom water. p. 10.
Kuznetsov, IU. A., Shvartsberg, A. I. - Algorithm for calculating the optimal structure of the energy balance on an electronic computer taking into consideration the conditions of gas consumption. p. 15.
Shatilov, D. V., Polosin, I. A. - Using gas infrared radiators for warming up free-flowing materials frozen in railroad cars. p. 19.
Vigdorchik, D. IA., Ivanov, V. P. - Gas equipment for a railway-car restaurant. p. 22.
Krasovskii, B. M. - Using the theory of probabilities in calculating the internal gas pipelines of residences. p. 25.
Consultation. p. 28.
Belokon', N. I., Porshakov, B. P., Tolybekov, B. S. - Investigating the operation of the GT-700-4 gas-turbine unit and its regenerator under operational conditions. p. 29.
Roev, G. A. - Determining the capacity of low-pressure gas pipelines made from flat-rolled pipes. p. 36.
Shleinikov, V. M., Tagintsev, B. G. - Separating acetylene from gases obtained by the electro-cracking of methane at low temperatures. p. 38.

R 16

[illegible] p 43
Brief news p 46
New books p 49

[illegible], 1964
Table of contents translated
Gal'perin, V.M., Ryps, G.S., Furman, I.IA. - Gas industry in the Soviet Union from 1959 to 1963 p 1
[illegible], M.I. - Conditions governing the development of the peripheral sectors of the North-Stavropol gas field p 5
IU[illegible], V.V., S[illegible], IA.D - Estimating the reserves of stable condensate and its recovery factor p 7
K[illegible], O.F., Karlinskii, E.D - Testing wells of the Pa[illegible] field for condensate p. 11.
[illegible] A.A., Akopian, V.M - Determining rated flow rates for low-pressure gas pipelines p 16
Ur[illegible], V.F - Using radiative injection-type gas burners in open areas p 21.
K[illegible], V.F., Stezhenskii, A.I., Zagorovskii, O.A.- Oxidation of atmospheric nitrogen in gas furnaces p 26
Sr[illegible], B.P., Saltykov, A.L - Distribution of gas to the Lenin State Farm p 30.
Shimel'fenig, S.A - Conditions governing gas consumption in city bathhouses and laundries p 35
Vigdorchik, D.IA - Consultation. p. 36.
Al'tshuler, V.S., Shafir, G.S., Shchevtsov, V.P Obtaining processing gas for the synthesis of oxygen-containing compounds. p 38
Nikitenko, F.A - Predicting ground corrosion and the lifetime of gas pipelines p 44
Steletskaia, L.N - Efficient capital investments in the pipeline transportation of gas p 49
Foreign technology p 52

GIDROLIZNAIA I LESOKHIMICHESKAIA PROMYSHLENNOST' [HYDROLYSIS AND WOOD CHEMISTRY INDUSTRY] Issued by Gosudarstvennyi komitet po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries] Moscow, vol. 17, no. 3, 1964.
Table of contents translated:
Giving maximum attention to the production of oleoresin. p. 1.
Krupnova, A.V., Sharkov, V.I. - Mechanical and thermochemical method of transforming cellulose-containing materials to a readily hydrolyzable state. p. 3.
Krylova, T.B., Buevskoi, A.V., Dmitrieva, O.A. - Effect of the concentration of lignin sulfonate on the frothing capacity of a solution during flotation of distiller's yeasts. p. 5.
Dudkin, M.S., and others. - Cultivation of yeasts in an apparatus equipped with a suction stirrer. p. 7.
Olovenikov, G.B. - Mechanization of the labor-consuming work of tree tapping. p. 10.
Sumarokov, V.P., Volodutskaia, Z.M. - Complex esterification of tall oil acids with isoamyl alcohol. p. 11.
Lebedev, K.K., Chistov, I.F., Rakitina, M.A. - Improving the quality of n-butanol produced by synthetic rubber factories. p. 13.
Druskina, E.Z., and others. - Determination of lower fatty acids and their ethyl esters by gas-liquid chromatography. p. 15.
Kromina, L.V., Tishchenko, D.V. - Chemical composition of soluble spruce tar from a combustion chamber of a V.V. Pomerantsev's-type producer. p. 18.
Borisevich, S.F. - Our work experience. p. 20.
Dotsenko, I.P., Tambovtseva, M.S. - Reducing sulfuric acid consumption. p. 21.
Glazman, B.A., Pavlov, S.V., Savinykh, A.G. - Jet water heater replacing water-heating columns. p. 22.
Tarasova, A.G., Kalugina, A.IA. - Production of propionic acid at the Asha wood-chemical combine. p. 24.
Kolesov, A.I. - Operating wood rosin digesters. p. 26.
Vasilevskii, A.B. - Tree tapping under condition of widely scattered wood clearings. p. 27.
Gavris', G.A. - Prospects for pine tapping in the Ukraine. p. 28.
Kalnin'sh, A.I. - Interesting book on wood chemistry. p. 30.
Masov, IA.A. - Read this book. p. 30.
Surveying technological advances. p. 31.
At the section of hydrolysis and wood-chemical production. p. 32.
From scientific and technical journals. Insert.

*KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR and Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R., and the D.I. Mendeleev All-Union Chemical Society]. Moscow, vol. 23, no. 7, July 1964.
Table of contents translated.
Borisov, S.N., Marei, V.A. - Properties of siloxane rubber containing chloromethyl groups. p. 1.
Rumiantseva, Z.M., and others. - Synthesis and use of butadiene-methacroleinic latexes. p. 7.
Dinzburg, B.N., Safrai, B.A., Barambol, N.K. - Properties of vulcanizates from butadiene-nitrile rubber combined with thermosetting resins. p. 11.
Volutskii, S.S., Raevskii, V.G., IAgniatinskaia, S.M. - Role of adhesion in the phenomenon of the reinforcement of elastomers. p. 16.
Khoroshin, A.V., Shenderovich, F.S., Nemtsov, M.S. - Viscosity of concentrated soap pastes of disproportionated rosin. p. 21.
Basiev, I.M., Shainskii, IA.B. - Methods for the elimination of heat during high-speed low-temperature polymerization of butadiene with styrene in emulsions. p. 24.
Bichevskaia, L.I. - Evaluating the degree of agressiveness of petroleum products by the swelling of indicator rubbers. p. 29.
Reznikovskii, M.M., Lazareva, K.N. - Quantitative characteristics of rubber fatigue in case of an asymmetric load cycle. p. 32.
Mandel'shtam, B.E., Prasolov, S.A. - Automation in the preparation departments of rubber tire plants. p. 36.
Surovikin, V.F., Pokorskii, E.IA. - Effect of the hydrodynamic and thermal conditions of the furnace process on the structure formation of carbon black. p. 42.
Stepanov, IU.N. - Some problems of the classification of rubber industry equipment and the specialization of the design and planning organizations. p. 46.
Nabok, N.I., Timoshina, N.P. - Preparation of the steel reinforcement in the manufacture of rubber-carcass gaskets with the gluing method of rubber to metal bonding. p. 48.
Lushnikov, A.P. - Device for cutting calendered sheet rubber made from natural rubber. p. 49.
Rakhman, M.Z., Aziev, A.S. - Preparation of compounds based on butadiene-acrylonitrile (SKN) rubber in rubber mixers. p. 51.
In the State Committee of the Petroleum Processing and Petroleum Chemicals Industry Attached to the State Planning Commission of the U.S.S.R. and in the Trade Union of the Workers of the Petroleum and Chemical Industries. p. 53.
Khanina, G.N. - Industry-wide Conference on the manufacture of "R" and "RS" type tires. p. 54.
Readers' conference in Yaroslavl. p. 56.
New developments in foreign science and technology. p. 58.
IAshunskaia, F.I. - Russian-English dictionary for the Rubber and Plastics Industry. p. 62.

KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 3, 1964.
Table of contents translated
Perepelkin, K.E. - Some correlations in the mechanics (hydrodynamics) of the process of forming of synthetic fibers p. 1.
Slepakova, S.I., Geller, B.E. - Structural changes of polyacrylonitrile fibers in the process of forming. p. 7.
Perepelkin, K.E., Rabinovich, V.I. - Dry method of forming fibers from polyvinyl alcohol. p. 11.
Zverev, M.P., and others - Modification of the properties of polypropylene fibers. p. 15.
Gorbacheva, V.O., and others. - Morphological characteristics of a stabilized capron fiber. p. 19.
Vedernikova, L.G., Konkin, A.A. - Process of forming of polycarbonate fibers. p. 26.
Levin, V.N., Rabkin, R.L., Smolin, N.A. - Use of frequency converters in the electric drive system of synthetic fiber molding machines. p. 30.
Veideman, E.B., Bykova, E.A., Meos, A.I. - Effect of sodium sulfite on viscose property changes during ripening. p. 32.
Papkov, S.P. - Spinning value of a bath. p. 34.
Papkov, S.P. - Widening of a jet of liquid flowing out of spinneret orifice. p. 36.
Serkov, A.T., Cherkasova, E.V - Ways of increasing the stability of viscose fiber forming. p. 40.
Letter to the editor. p. 43.
Rogovina, A.A., Kuznetsova, R.E. - Change in the properties of viscose cord undergoing water wetting and subsequent drying. p. 45.
Novikova, S.A., Vorob'eva, V.I. - Microscopic studies of dyed cross sections of viscose fibers. p. 51.
Mazov, IU.A. - Method of determining the bulk volume of elastic filaments. p. 53.
Alisov, N.V., Moskvin, V.F., Grigor'ian, F.G. - Role of the fuel factor in the distribution of the synthetic fiber industry. p. 57.
Zholnin, A.V., Malevannyi, V.A. - Determination of silicon and phosphorus compounds in viscose titanium dioxide p. 61.
Murav'ev, K.K. - Means of reducing the accumulation of carbon disulfide in spinning sections. p. 63
Dolgova, I.M., Kuritsyna, G.N., Kladnitskaia, L.P - Quantitative determination of "antiblok" with the FEK-N-57 electrophotocolorimeter p. 65.
Kukin, A.M. - Slotted distributing system for ion exchanger filters made of steel tubes. p. 67.
Astaf'ev, IA.M. - Activity of the Social Scientific Research Institute (SSRI) at the factory. p. 69
Reports. p 71.
Brief news. p. 77.

KHIMICHNA PROMYSLOVIST' [CHEMICAL INDUSTRIES]. Issued by Instytut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordinatsii naukovo-doslidnykh robit and Ukrains'ke respublikans'ke pravlinnia Vsesoiuznoho khimichnoho tovarystva im. D.I. Mendelieieva [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Republic Administration of the D.I. Mendeleev All-Union Chemical Society]. Kiev, no. 3(10), July-Sep, 1963.
Table of contents translated:
Kruhlov, B.I., Sopova, Z.V., Kusharenko, H.I. - Ferromolybdenum catalysts for the oxidation of methanol in formaldehyde. p. 3.
Chudnovs'kyi, A.R., Brofenbrener, Z.V. - Factors affecting the shrinkage of plastics. p. 9.
Stepanchenko, E.S., Lohvinenko, V.K. - Dielectric characteristics of diisocyanatotoluene (102-T product). p. 14.
Estrin, S.M. - Thermooxidyzing pyrolysis of methane. p. 14.
Bazilevs'ka, N.P. - Production and characteristics of anthranyl and aminophenol resins. p. 19.
Postol'nyi, A.P. - Alcohol extraction from unsaponifiables II. p. 21.
Dorokhovich, V.P., Proshkin, O.O. - Obtaining trichloroacetic acid from tetrachloroethylene. p. 24.
Alent'ev, O.O., M'iasnikov, O.A. - Dilatometric method for analyzing the processes taking place in the charge during heating. p. 28.
Bilinov, H.I., Ponomarchuk, S.M. - Increasing the abrasive resistance of enamel coatings. p. 30.
Savits'ka, M.M., and others. - New coagulating agents for the acceleration of brine purification in the production of soda. p. 32.
Atroshchenko, V.I., and others. - Investigating the process of the production of concentrated nitric acid in an autoclave with reflux packing rings. p. 35.
Plit, I.H., Hupalo, M.T. - Adsorption of sulfur dioxide from water by activated carbons. p. 39.
Hladushko, V.I., Serhievs'ka, I.V. - Retrogradation of mixed fertilizers during drying in a pseudo-fluidized bed. p. 41.
Batiuk, V.P. - Improving the physicochemical properties of ammonium chloride for its use as an effective nitrogen fertilizer. p. 44.
Vinarov, I.V., Koval'ova, E.I. - Using the iodine method for the preparation of compact hafnium. p. 46.
Hrekov, A.P., Kornev, K.A., IArovyi, D.N. - Alkali polymerization of caprolactam. p. 48.
Potrashkov, V.I., Tkach, H.A. - Dynamic characteristics of a distillation unit for the production of soda studied as an object for the regulation of the thermal and concentration conditions. p. 51.
Solomentsov, M.I., Kozachok, A.A. - Rollers for the processing of electrode carbon mass. p. 60.
Herasimenko, L.P. - Automatic hydroelectric regulation of the clearance between the rollers of calenders. p. 62.
Pushkar, R.G. - Combining the production of calcium chloride and soda. p. 65.
Profatilova, L.M. - Basic sources for the increase of labor productivity in the chemical industry. p. 67.
Uhniachov, M.IA., Oliinik, T.V. - Colorimetric method for determining chromium in potassium and mother liquors. p. 71.
Strihunov, F.I. - Temperature regulation in laboratory furnaces. p. 73.
Konoblevs'kyi, I.D. - System for investigating the dependence of the electric resistance of polymeric materials on the temperature. p. 74.
Stavrov, S.N., Eidinova, E.M. - Preparation of magnesium chloride from magnesium gypsum. p. 76.
Shishko, V.I., Svynin, H.F. - Use of vinyl plastics for the manufacture of vacuum filters for soda manufacture. p. 78.

ev, F.A., Timofiev, V.V. - Air purification from
echanical impurities. p. 80.
osynkin, P.A., and others. - Purification of
vaste waters from the washing of the electric
ilters of lime kilns. p. 82.
hykovskyi, S.M. - Types, grades and defects
f natural rubber used in international trade.
. 85.
kova, E.B. - Production of ion exchanging sub-
tances in England. p. 88.
ratus for the analysis of gases. p. 90.
igeration TK-R393 turbocompressor for propane
efrigerating systems. p. 92.
lysis of polymeric materials with the chromatog-
aphy method in a gas medium. p. 93.
chromatography. p. 95.

A I TEKHNOLOGIIA POLIMEROV, sbornik pere-
ov i obzorov iz inostrannoi periodicheskoi litera-
[THE CHEMISTRY AND TECHNOLOGY OF POL-
ERS, Translations and Surveys from Foreign
iodical Literature] Moscow, vol 8, no. 8, 1964

A I TEKHNOLOGIIA TOPLIV I MASEL [CHEM-
TY AND TECHNOLOGY OF FUEL AND OIL].
ued by Gosudarstvennyi komitet neftepereraba-
iushchei i neftekhimicheskoi promyshlennosti pri
plane SSSR [State Committee for the Petroleum
ning and Petrochemical Industry, Attached to the
e Planning Committee of the U.S.S.R.] and others.
cow, vol. 9, no. 4, Apr. 1964.
Table of contents translated:
ruary Plenum of the Central Committee of the
CPSU. p. 1.
egin, V.G., and others. - Obtaining individual
vinyl toluenes. p. 3.
uchkov, B.S., and others. - Extraction of double-
base acids by liquid extraction. p. 6.
eev, I.G., Egorov, N.N., Luk'ianov, P.I. - Friction
factor for granular materials. p. 10.
eva, A.N., Leifman, I.E. - Investigating solid oil
paraffins by the refractometric method. p. 13.
zov, G.I., and others. - Intensifying the dewaxing
of distillate raffinates. p. 16.
lakova, N.IA., and others. - Expanding the raw-
material reserves of paraffin on a base of paraffin
oils from the Ukraine. p. 22.
skarov, N.S. - Improving the operation indices of
a unit for retarded coking. p. 26.
ev, D.A., Alieva, S.G., Sniatkova, L.K. - Investi-
gating a water condensate of a gas separator of a
pyrogenic unit. p. 30.
obyshev, L.V. - Carbon enrichment wastes as a
raw material for obtaining fuel gas. p. 33.
rasimov, I.I., and others. - Practicability of using
liquid preservative oils for protecting ship equip-
ment. p. 36.
pachok, I.N., Shul'ga, P.M. - Selecting an efficient
settler for petroleum. p. 39.
zlov, M.V., and others. - Automatic control of the
circulation of a bead catalyst. p. 45.
vis, IU.M., Kharin, G.N., Stepanov, A.M. - Using
ammonia as a neutralizing agent in ship diesels
perating on sulfurous fuel. p. 49.
chkin, M.A., Gorobets, V.I. - Evaluating the opera-
ional properties of oils at reduced temperatures
under conditions of engine operation. p. 51.
ppov, V.F. - Initial tests of motor oils on an IT-9-
M unit. p. 54.
aznov, A.P., Rozhkov, I.V. - Investigating the
antiwear properties of jet fuels. p. 57.
romenkov, A.A., Kruglov, A.S. - Investigating the
structure of a fluidized bed by the radioactive
method. p. 61.
dergauz, M.S., Andreev, L.V. - Method for the
rapid chromatographic analysis of hydrocarbons
nd their derivatives. p. 64.
rbakh, K.O., and others. - Preventing the forma-
ion of ice crystals in fuels. p. 66.
ic indices for the petroleum industry of the world
or 1962. p. 69.
s of petroleum products. p. 71.

KHIMIIA [COKE AND CHEMISTRY]. Organ of
udarstvennyi komitet po chernoi i tsvetnoi metal-
gii pri Gosplane SSSR [State Committee for Fer-
s and Nonferrous Metallurgy, Attached to the
e Planning Committee of the U.S.S.R.] and
ers. Moscow, no. 6, 1964.
Table of contents translated:
kov, K.I. - All efforts of institutions of higher
earning are aimed at the expansion of the by-
product coke industry. p. 1.
olavlenskii, K.A., Soldatenko, E.M. - Changes in
he fine structure of hard coking residues with an
ncreases in temperature. p. 4.
lavko, A.R. - Centrifuge for dewatering small
lasses of coal. p. 6.
odin, A.V., and others. - Experience in using
ableways at a coal preparation plant. p. 12.
hkvara, V.G., Senichenko, S.E., Drui, G.N. -
Effect of various methods of loading a charge on
he physicomechanical properties of coke. p. 15.

Ivanov, E.B. - Physicomechanical properties of coke during breakage. p. 19.
Khanin, I.M., Kuprienko, I.G. - Studying the distribution of gases in coke ovens with sectional regenerators and bottom admission of the fuel gas. p. 24.
Varshavskii, T.P., and others. - Preliminary machine processing of coke. p. 31.
Leonov, A.S. - Hydraulic conditions in coke ovens; from materials of a discussion. p. 34.
Kolesov, A.P., Sokolov, V.Z. - Production of low-sulphur benzenes based on narrow benzene fractions. p. 36.
Gluzman, L.D., Rok, A.A. - Synthetic resins based on coal tar products and crude benzene. p. 40.
Garber, IU.N., and others. - Improved petroleum absorber for the adsorption of benzene hydrocarbons. p. 43.
Koliandr, L.IA., Tiaptina, M.I. - Mesitylene from crude benzene. p. 46.
Kolomiitsev, P.N. - Removal of tarry matter from tar water prior to dephenolization. p. 51.
Severin, P.A., Epimakhov, N.M. - Waterproof polymer coating for the inside surfaces of reinforced concrete hoppers. p. 52.
Komarov, V.S., Shukh, A.A., Zinchik, I.V. - Sparkproof measuring device for grounding used in plants with an explosion hazard. p. 54.
Nagaenko, P.T. - "Locking" conveyor belts by splicing. p. 56.
Belevich, B.A. - From the experience in repairing a cooling tower. p. 58.
Ulitskii, L.I. - Coking of coal in France. p. 59.
BNT I UKh INa. - New developments in the area of coking and gasification of solid fuel and the processing of coal tar. p. 62.
Samorodov, D. - In the by-product coke section of the scientific and technical council. p. 63.
G.T. - In the by-product coke section of the Scientific Technological Society for the Iron and Steel Industry. p. 64.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 30, no. 7, July 1964.

Table of contents translated:
Rubtsov, V.K., Koltypin, A.L. - Specialization, concentration, combination and cooperation in the oils and fats and perfumery-cosmetics industry. p. 1.
Goldovskii, A.M., Zaitseva, M.G. - Processing of high oil content varieties of sunflower seeds. p. 4.
Markman, A.L., Burnasheva, S.N., Shamsutdinov, R.I. - Quality of cottonseed oil cakes. p. 8.
Kozin, N.I., Kastornykh, M.S. - Nature of the sterols of sunflower seed oil. p. 11.
Sokol'skii, D.V., Samsonova, N.S. - Hydrogenation of cottonseed oil on skeleton nickel catalysts with the addition of cobalt and molybden. p. 12.
Volkova, O.B., Bespiatov, M.P. - Detergency of wash powders based on a mixture of alkyl sulfates and alkyl fulfonates. p. 16.
Getmanskii, I.K., Bavika, L.I. - Use of various bleaching agents in the "Astra" washing powder. p. 20.
Levit, M.S., and others. - Production of industrial oleic acid and other products for the manufacture of avivage and oiling preparations. p. 23.
Kliueva, A.IA. - Aromatization of toilet soap. p. 26.
Ponomarev, E.D., Gertsenshtein, V.G. - Absolute oil from iris flowers. p. 28.
Bogdanov, K.A. - Some esters of piperonylic acid. p. 29.
Grauerman, L.A., Nechaeva, L.I. - Efficiency of the use of automatic production lines for the manufacture of margarine. p. 30.
Kaminskii, N.A., and others. - Refining of hydrogenated oils and fats in a soap-alkali medium. p. 32.
Baglai, G.I. - Testing of technological equipment. p. 34.
Sherstneva, V.A., Gushchina, L.I., Miloserdov, P.N. - Low-molecular C_1 -C_4 fatty acids separated from the waste waters from the manufacture of synthetic fatty acids. p. 36.
Semenov, V.G. - Hydraulic stand for the calibration and testing of type DP mercury differential manometers. p. 38.
Makhmudov, A.U., Ismailov, I.M. - Experience in the packaging of cottonseed oil in bottles. p. 39.
Pakhmanov, M.M. - Concerning I.Sh. Siganur's article "Need for a correction of the present-day wage system for maintenance and repair workers." p. 40.
IAroslavskii, V.I. - Fiftieth anniversary of the Arkadak Oil Mills. p. 41.
Gil'dshtein, N.N. - Concerning the booklet "The castor-oil plant." p. 42.
Bukharin, V.V. - Three-volume manual for workers in the food industry. p. 42.
Maziukevich, V.A. - Review of articles published in periodicals on the oils and fats industry. p. 44.
Bukharin, V.V. - In the Scientific and Technological Council. p. 46.
Aleksandr Grigor'evich Mikhailov; obituary. p. 47.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PIVOVARENNOI, BEZALKOGOL'NOI I VINNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE FOR THE BREWING, SOFT DRINKS, AND WINE INDUSTRY. Transactions]. No. 10, 1963. [Technology, biochemistry and control of beer and soft drinks]

Table of contents translated:
Shmidt, L.G. - Use of paper chromatography for determining carbohydrates in wort and beer. p. 3.
Shmidt, L.G. - Calculation of the correction for the partial air pressure in determining carbon dioxide content of carbonated beverages with the manometric method. p. 27.
Stashko, S.P., Samoilova, V.E., Ipatova, G.F. - Methods for determining the germinative capacity of brewing barley. p. 31.
Zubenko, A.P., Samoilova, V.E. - Micromalting as a means to evaluate the brewing capacity of barley. p. 38.
Zubenko, A.P., Samoilova, V.E. - Brewing properties of barley from the Krasnodar and Stavropol Territories. p. 51.
Leonovich, N.V., Bukovskii, P.I. - Biochemical composition of difficultly mashing barley. p. 71.
Fedorov, A.G. - Production of fermented dark brewing barley malt. p. 90.
Chekan, L.I., Korochkina, O.I., Storchevain, T.R. - Improving the keeping quality of soft drinks. p. 97.
Rudol'f, V.V. - Continuous process for the production of soft drinks. p. 109.
Leonovich, N.V. - Accounting for beer production by the extract. p. 122.
Leonovich, N.V., Kaprova, IU.D. - Extraction of proteolytic enzymes from malt shoots. p. 130.
Zhvirblianskaia, A.IU. - Effect of the conditions of yeast storage on its fermentive activity. p. 132.
Pokrovskaia, N.V. - Some physiological characteristics of the individual specimen of the undesirable microflora of beer. p. 155.

NEFTEKHIMIIA [PETROCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U S S.R.]. Moscow, vol. 4, no. 2, Mar.-Apr. 1964.

Table of contents translated:
Freidlin, L.Kh., Litvin, E.F., Krylova, L.M. - Investigating the hydrogenation of olefins and dienes in the presence of rhodium black. p. 185.
Tiuriaev, I.IA., and others. - Obtaining butadiene-1,3 by the oxidation dehydrogenation of butene in the fluidized bed. p. 190.
Charskaia, K.N., Rodina, E.I., Gorin, IU.A. - Studying the composition of by-products formed in obtaining isoprene by the dehydrogenation of isopentane and isopentenes. p. 194.
Skliar, V.T., Lebedev, E.V., Zakupra, V.A. - Dehydrocracking of paraffins over sulfide catalysts. p. 200.
Skliar, V.T., Lebedev, E.V., Zakupra, V.A. - Thermocatalytic conversion of paraffins over oxide catalysts. p. 209.
Dobroserdova, N.B., and others. - Displacement of double bonds in hexenes in the presence of platinum catylysts. p. 215.
Zhizhin, G.N., and others. - Configuration of stereoisomers in a series of cis- and trans-1-methyl-3-n. alkylcyclohexanes. p. 219.
Plotnikov, IU.N., Timofeeva, E.A., Shuikin, N.I. - Conversions of n.-hexane on an aluminum-chromium-potassium catalyst under reduced pressure. p. 225.
Isaguliants, G.V., and others. - Role of cyclohexene in the dehydrogenation and isomerization of cyclohexane under conditions of reforming. p. 229.
Babin, E.P., Marshtupa, V.P., Kolesnikov, I.M. - Thermodynamics of the isomerization of certain dialkylbenzenes. p. 236.
Elagina, N.V., and others. - Catalytic conversion of spiro-(5,6)-dodecane on a platinum catalyst. p. 241.
Freidlin, L.Kh., and others. - Reaction of cyclohexane with 3-methylbutene-1 and 2-methylbutadiene-1,3. p. 246.
Gonikberg, M.G., and others. - Homogeneous demethylation of methyl naphthenes. p. 252.
Fel'dblium, V.Sh., and others. - Synthesis of isoprene from propylene. 3. Composition of propylene dimerization products. p. 257.
Polianskii, N.G., TSekhmister, E.F. - Catalytic polymerization of C_5 olefines in the presence of a sulfocation resin. p. 262.
Rozovskii, A.IA., and others. - Kinetics and mechanism of the carbidizing treatment of iron catalysts for synthesis from CO and H_2. p. 269.
Kaliazin, E.P., Baranova, N.M. - Radiation carbonylation of paraffin hydrocarbons with carbon monoxide. p. 275.

Ivanov, O.A., Nalbandian, A.B - Oxidation of methane into formaldehyde initiated by nitrosyl chloride and nitrile chloride. p 280.
Moshkina, R I., Nalbandian, A.B. - Oxidation of methane in formaldehyde initiated by nitromethane p 286.
Kozorezov, IU I, and others - Obtaining oxygen-containing compounds from technical C_3-C_5 hydrocarbon mixtures p. 290
Gol'dberg, V.M, Obukhova, L.K - Synergistic effect of potassium stearate on the inhibiting properties of a manganese catalyst for oxidizing hydrocarbons. p 294
Bashkirov, A.N., Kamzolkin, V.V., Potarin, M.M - Obtaining higher ketones by the dehydrogenation of secondary alcohols over copper-chromium and nickel-chromium catalysts. p 298
Kolchin, I K., Bobkov, S.S., Margolis, L.IA. - Catalytic oxidation and ammonolysis of propylene on bismuth molybdates p. 301.
Freidlin, L Kh., Sharf, V.Z, Abidov, M.A. - Investigating the dehydration of hexanediol-2,5 into hexadienes in the presence of acid catalysts. p. 303.
Makarov, V I., Polak, L.S. - Radiolysis of cyclohexane. Effect of the temperature and the aggregate state of cyclohexane. p. 314
Grishina, O N., Sabirova, R Z., Sokolova, I.A. - Synthesis of dialkyl phosphinates. p. 320.
Mazitova, F.N., Durova, O.S., Bukhriakova, V V. - Synthesis of polyfunctional inhibitors for the oxidation of fuels. p. 323.
Levanova, S.V., Andreevskii, D.N. - Equilibrium of 2-chlorobutane dehydrochlorination. p. 329.
Zhukovitskii, A A., Turkel'taub, N.M., Maliasova, L.A. - Simultaneous chromatographic determination of the composition of two mixtures p. 337.
Kolesnikova, L.P., Gurevich, V.T., Starobinets, I. L. - Separation of C_1-C_5 aliphatic alcohols by gas chromatography in different stationary phases. p. 340.
Vinogradov, G.V., Nametkin, N.S., Nosov, M.I. - Influence of the nature of polysiloxanes on their effect as additives to hydrocarbon lubricants. p 345
A.D Petrov, obituary. p. 351.
Kriukov, IU.V. - Sixth International Oil Congress. Use of oil refining products and natural gas. p. 354.

*PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U S S.R] Moscow, no 2, 1964.

Table of contents translated·
Akutin, M.S. - Speed up the development of industries for the manufacture of goods from plastics p 1.
Abkin, A D, and others - Radiation polymerization of ethylene in enlarged laboratory apparatus. p 3.
Usmanova, N. F., and others. - SAM copolymer of styrene. p. 7.
Mikhailov, G. P, and others. - Dependence of tg δ and ε' of polyethylene on the temperature in the ultrahigh frequency range. p. 9.
Li, P. Z., Mikhailova, E.V., Bykova, L.V.-Obtaining self-damping chlorine-containing polyester resins by means of unsaturated organophosphorous compounds p 12.
Omel'chenko, S I, and others. - Unsaturated polyglycolmaleic resins modified by anthracene p 17.
Kriukov, IU.S, Poliakova, T P. - Sanitary and hygienic aspects of the manufacture of PN-1 make polyester resins p 19.
Andrianov, K.A, and others. - Thermoxidative degradation of polyphenylpolydimethylsiloxanes. p 22
Kamenskii, I.V., Sanin, I K., Komlev, V.K. - Adhesive compositions based of furfurylhydroxysilanes. p. 25.
Popkov, K.K.-Intermolecular reaction between hydrogen chloride and siloxanes. p. 28
Mamedov, R.I., Kanavets, I. F. - Effect of the casting temperature on the properties of the products. p. 30
Matveeva, E.N., and others - Alkylaryl esters of pyrocatechin phosphorous acid as the new stabilizers of polymers. p. 37.
Panshin, B.I., and others. - Mechanical properties of plastic foams determining their efficiency as reinforcing fillers. Report No. 2: Efficiency of plastic foams in structures under cyclic loads. p. 39.
Andrianov, K.A., Shugal, IA.L., Asnovich, E.Z. - Glass textolite based on phenol-formaldehyde resins modified by polyphenylaluminosiloxanes. p. 44.
Ermilova, G.A., Arakelian, R.A. - Properties of polypropylene films. p. 48.
Shmagina, N.N., Moshkin, P.A. - Obtaining 5-hydroxymethyl-2-furancarboxylic acid and its butyl ester p 51.
Kutepova, A.I, and others - Diesters of isophthalic acid as plasticizers p. 52.
Glukhov, E E - Mechanical properties of plastics. p 56
Luskina, B.M., Terent'ev, A.P., Slavtsillo, S.V. - Determining chlorine combined with silicon in organochlorosilanes. p. 62.
Siniavskii, V.G., Turbina, A.I - Methods for determining primary amino groups and for the control of the diazotization processes and azo coupling of aromatic amino polymers. p. 63.
Silev, S.V. - Some characteristics of the design of press molds for polypropylene articles p. 65
Ashkenazi, E K. - Anisotropy of the mechanical properties of uniaxially oriented films of crystalline polymers p. 67.
Patel, M I., and others. - Investigating the resistance to fungi of the acoustical materials based on polyvinyl chloride resins p 68
Gurvich, D B, Balandina, V.A, Kosmakova, R.V - Determining sodium acetate content of polyvinyl alcohol by the conductometric method. p 69
Malyshev, G A., Ezerskii, A N. - Anticorrosive and decorative coating of pipes with plastics. p 71
Anikin, A.G., Bykova, S.P., Chistiakov, V.F. - Method for monomer purification by zone melting in a dry chamber. p. 73
Plastics in foreign countries, various notes. p. 75.
Antonov, V.I. - First All-Union Scientific and Technical Conference on the Use of Polymeric and Synthetic Materials in Water Supply Engineering p 76.
Lopatin, IU.T. - First Georgian Scientific and Technical Conference on the Use of Plastics in the Machinery Manufacture of the Georgian S.S R. p 77
New literature on polymeric materials. p. 78

REFERATIVNYI ZHURNAL· KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS· CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 8, Aug 1964

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PRIRODNYKH GAZOV. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF NATURAL GAS. Transactions]. Moscow, no. 19/27, 1964. [Development of gas fields and the drilling of gas wells.]

Table of contents translated:
Kozlov, A.L., and others. - Analyzing the development of the Khadum gas pool in the North Stavropol-Pelagiadi gas field. p. 5.
Kozlov, A.L., and others. - Determining gas reserves from the drop in reservoir pressure. p. 24.
Gatsulaev, S.S. - Calculating the development of a multi-strata field with a gas regime. p. 43.
Minskii, E.M., Korotaev, IU.P., Aliev, Z.S. - Experimental investigation of the motion of a gas-condensate mixture in the bottom zone of a reservoir. p. 59.
Andreev, O.F. - Effect of the sand and water accumulated on the well bottom and around the well bore on well production. p. 66.
Friman, IU.M. - Geological field observations of the development of a large gas field of the North-Stavropol variety. p. 71.
Kozlov, A.L., Tverkovkin, S.M. - Methods of conducting test exploitation of gas pools in order to obtain precise data to be used in plans for development. p. 76.
Gatsulaev, S.S. - Methods of planning for the efficient development of a gas pool in a uniform strata with a gas regime. p. 83.
Malevanskii, V.D. - Basic requirements to ensure the high-quality cementing of wells in gas and gas condensate fields. p. 92.
Malevanskii, V.D. - Selecting the length of intermediate casing in fields with a large gas-bearing level. p. 110.
Agishev, A.P., Berezhnoi, A.I., Kulagin, P.G. - Drilling in producing horizons of gas fields. p. 113.
Berezhnoi, A.I., Degtev, N.I. - Monitoring the content of gas in drilling fluid. p. 122.
Agishev, A.P., and others. - Vacuum degassing of drilling fluids. p. 131.
Malevanskii, V.D., Okhrimenko, E.P. - Investigating the foaming of clay muds with a sulfite-alcohol residue. p. 144.
Okhrimenko, E.P., Malevanskii, V.D. - Investigating the stabilization of mineralized clay muds with a starch reagent in combination with a sulfite-alcohol residue. p. 151.
Zaitsev, V.I. - Investigating the regularities in the variation of the local resistance factor during fluid flow through the slot of a piston-pump valve. p. 165.
Zaitsev, V.I. - Analyzing the equation of continuity for fluid flow through the valve of a piston pump. p. 169.
Korotaev, IU.P. - Approximate method for calculating the thermal flow regime in planning the development and setup of gas and gas condensate fields. p. 170.

No. 20/28, 1964. [Physics of gas reservoirs, reservoir rock properties.]

Table of contents translated:
Introduction. p. 3.
Khanin, A.A. - Studying gas and oil reservoir rocks. p. 5.
Khanin, A.A. - Classification of oil and gas sandy-siltstone reservoir rocks. p. 12.
Khanin, A.A., Korchagin, O.F. - Studying irreducible water in oil and gas reservoir rocks. p. 41.
Koloskova, M.I. - Using a mercury porometer in studying the structure of reservoir rocks. p. 66.
Koloskova, M.I. - Comparative data in the determination of porosity by various methods. p. 72.
Kozlovtseva, Z.I. - Studying the specific surface of cemented rocks. p. 83.
Bagrintseva, K.I., Kozlovtseva, Z.I. - Determining the methane sorption capacity of reservoir rocks. p. 89.
Bagrintseva, K.I. - Using nondestructive control methods to study fracturing in carbonate rocks. p. 98.
Burova, E.G., Lukshina, V.I. - Basic types of gas-bearing rocks in the ninth and tenth producing horizons of the Gazli field and the main factors determining their reservoir-rock indices. p. 111.
Golubtsova, G.S. - Gas reservoir rocks of the twelfth horizon in the Gazli gas field. p. 160.
Korsakov, S.P. - Gas bearing rocks in the South-Mubarek gas field. p. 181.
Khol'kvist, V.G. - Investigating the gas reservoir rocks of the Leningrad gas field. p. 198.
Shutenina, V.D. - Characteristics and reservoir-rock properties of the gas-bearing sediments in a cuprous series of sandstones in the Shebelinka gas field. p. 210.
Mukharinskaia, I.A. - Classes of reservoir rocks found in certain fields in the southwestern sector of the Dnieper-Donets Lowland. p. 224.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA. Sbornik nauchnykh rabot [ACADEMY OF COMMUNAL ECONOMY. Papers] Moscow, no 16, 1962. [Improving the quality of apartment houses].

Table of contents translated:
Tolstykh, L.N. - Quality of the sealing of joints of exterior walls of apartment buildings constructed of large panel elements. p. 3.
Levitan, E.P. - Qualities of precast reinforced concrete roofs of multistory apartment buildings. p. 15.
Belov, N.N. - Using electric silicification for strengthening fine sand. p. 20.
Belov, N.N. - Raising the supporting power and stability of foundation beds in buildings by means of soil stabilization. p. 42.
Kozhukhov, S.V. - Operation of heating and ventilating systems in large block slag concrete apartment houses. p. 53.
Il'ina, N.P., Ivanova, A.V. - Using vinyl-perchloride paints in the repair of facades of Moscow buildings. p. 70.
Safronov, IU.M. - Roof coverings made of plastics. p. 74.
Smolenskaia, N.G. - Using ultrasound for testing structural elements. p. 79.
IAnovskaia, E.I. - Business accounting in housing. p. 84.
Panov, P.G., Deviatova, N.K. - Qualities of large panel apartment houses of cellular concrete in the Urals. p. 100.
Il'ina, N.P. - Using polymers in mortars and concretes. p. 105.
Shchukin, O.G. - Calculation of the depth of thawing of permafrost soils in foundation beds under half-sunken buildings and communal structures. p. 108.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut po stroitel'stvu, Tashkent. Sbornik nauchnykh trudov [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute for Construction. Papers]. Tashkent, no. 4, 1963.

Table of contents translated:
Mukhitdinov, A.M. - Calculation of the tension of elements of stressed reinforcements of reinforced concrete structures according to their "deformations." p. 3.
Adilkhodzhaev, A.A., Akbarov, A., Leushkin, A.I. - Study of the stability and deformability of embrasured panels in skewing. p. 10.
Karimov, Sh.S. - Calculation of complex frame systems. p. 19.

Adilkhodzhaev, A. A. - Strength of vibrated brick panels. p. 33.

Fazylov, U. F. - Bracing 6-12M self-supporting wall panels to supporting structures of buildings. p. 44.

Kabil'dzhanov, S. F. - Experimental study of prestressed elements under bending with calculation of the time factor. p. 49.

Akbarov, A. - Deformations and modulus of elasticity of keramzit concrete. p. 61.

Dilkarkina, N. E., Salidzhanov, S. B., Tuliaganov, S. Z. - Producing autoclave cellular concrete on mixed binding materials. p. 66.

Mikhailiants, O. A., and others. - Diabases and spilites from northern Nuratau as raw materials for the production of mineral wool. p. 72.

Zabelina, R. F., Salidzhanov, S. B. - Using water repellants to prevent the discoloration in masonry and stucco. p. 78.

Kovalenko, V. N., Mikhailiants, O. A. - Briquetting loess dolomite charges in the production of mineral wool. p. 84.

Mukhamedaminov, R. A. - Some physicomechanical properties of gypsum cement pozzolan keramzit concrete. p. 92.

Larionova, T. S., Rapoport, K. V. - Study of the qualities of sodium sulfate and potash as additions for concrete hardeners. p. 98.

Rapoport, K. V. - Concerning the use of the rapid cement testing method worked out by the Southern Scientific Research Institute for reinforced concrete products plants. p. 108.

Zabelina, R. F., Salidzhanov, S. B. - Improving the quality of brick at the Kattkurgan plant for the production of vibrated brick panels. p. 110.

Karimov, Kh. K., Semenov, E. M. - Study of the phenomena connected with the building of reservoirs for industrial sewage of the non-ferrous metallurgy enterprises. p. 115.

Borovkov, I. I. - Construction work and building materials industry of the Uzbek S. S. R. in the first five-year plan (1928-1932). p. 119.

BIULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING]. Published by Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U. S. S. R.]. Moscow, vol. 20, no 7, July 1963.

Table of contents translated:

Unified standard spans for buildings of the building materials and construction industries. p. 1.

Measures for further improving the quality of large-panel housing construction. p. 3.

Basic regulations for setting up draft plans for design and research work and the work of design organizations for 1964-1965. p. 6.

New chapters on construction specifications and regulations:

"Details for windows, doors, gates, and lantern casements." p. 8.

"Water supply and sewerage. Exterior networks and installations. Materials, wares and equipment of networks." p. 10.

"Process steel piping with a conditional pressure up to 100 kgf/cm² inclusively. Design standards." p. 11.

"Water supply. Design standards." p. 12.

"Standards of structural designing. General part." p. 14.

"Pipelines. Design standards." p. 18.

"Fire prevention requirements. Basic design conditions." p. 19.

"Interior plumbing of factory and auxiliary buildings of industrial enterprises. Design standards." p. 23.

"Steel pipelines. Materials and structural elements." p. 25.

"Industrialization of construction. Basic regulations." p. 26.

"Earthwork. General regulations on the carrying out and acceptance of completed work." p. 27.

"Earthwork. Regulations on the carrying out and acceptance of hydromechanized and excavation work." p. 29.

"Sanitary-engineering equipment of buildings and structures. Regulations on the carrying out and acceptance of completed work." p. 30.

Introduction into practice of new chapters of Construction Specifications and Regulations. p. 32.

Instructions for using new specifications on snow and wind loads. p. 33.

Acting norm documents for determining the estimated cost of construction. p. 34.

Steaming of large panels. p. 39.

Levin, I. A. - Most important problems of state design experts' testimony. p. 40.

In the State Committee on Construction of the U. S. S. R. p. 43.

In the State Committees on Construction of the Union Republics. p. 44.

Markus, I. A., Andreev, V. N. - In design institutes. p. 45.

Ivanova, O. S. - Use of new structural elements and materials in Moscow constructions. p. 46.

List of planning and construction standards approved by the State Committee on Construction of the U. S. S. R. in the second quarter of 1963. p. 48.

Vol. 20, no. 12, Dec. 1963.

Table of contents translated:

Concerning the organization of the designing of industrial buildings and production structures in agriculture. p. 1.

Procedure for the realization of supervision over design organizations of construction enterprises, buildings, and structures. p. 7.

New chapters on Construction specifications and regulations:

Building materials, products, structural elements, and equipment. General part. p. 8.

Heat supply. Exterior networks. Regulations for the construction work organization, execution of work, and the acceptance of completed work. p. 10.

Gas supply. Exterior networks and structures. Regulations for the construction work organization, execution of work, and acceptance of completed work. p. 11.

Change No. 1 in chapter 11-D. 9-62 of Construction Specifications and Regulations. p. 12.

Change No. 1 in chapter 11-L. 2-62 of Construction Specifications and Regulations. p. 12.

Change No. 1 in chapter 11-N. 2-62 and 11-N. 3-62 of Construction Specifications and Regulations. p. 13.

Technical instructions for designing 750 mm railroad tracks. p. 14.

Instructions for designing heating and ventilation systems for enterprises producing reinforced concrete products. p. 16.

Central heating systems with tool steel radiators. p. 17.

Change in Construction Specifications 101-60. p. 19.

New state standards:

Road concrete. p. 19.

Cylindrical steel gasholders of constant volume; parameters and initial sizes. p. 21.

Hand winches for assembly and loading and unloading work. p. 22.

Cyclic mortar mixers. p. 23.

Circular lumber materials. Diffusion method of preservation. p. 23.

Interrepublic technical specifications for colored portland cement. p. 24.

Use of standard sections in designing. p. 26.

Raising the longevity of reinforced concrete ventilation cooling towers. p. 31.

Reinforced concrete slab coverings measuring 1,5x6m. p. 35.

In the State Committee on Construction of the Council of Ministers of the U. S. S. R. p. 37.

In the State Committees on Construction of the Union Republics. p. 39.

Medvedkov, N. I. - New techniques at construction projects in the Ministry of Construction of the Kazakhstan S. S. R. p. 41.

In design institutes: Kvetnyi, A. N. - Designing shops at the Kirov Plant. p. 41.

In the Main Administration of State Consultation: Design task for the reconstruction of a motor building factory. p. 43.

In the Main Administration of State Consultation: IAmpol'skii, E. S. - Design task for the reconstruction of a motor building factory. p. 43.

Businov, IU. M. - Air conditioning in industrial and public buildings in Italy. p. 44.

List of articles published in "Biulleten Stroitel'noi Tekhniki" for 1963. pp. 46, p. 3 of cover.

MEKHANIZATSIIA STROITEL'STVA [MECHANIZATION OF CONTRUCTION]. Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U. S. S. R. and the Central Administration of the Scientific Technological Society of the Construction Industry]. Moscow, vol. 20, no. 7, July 1963.

Table of contents translated:

Kreindlin, A. N. - Mechanization of the assembly of precast elements for apartment houses with the help of jigs. p. 1.

Lavrov, G. E. - Mechanization of trenchless laying of pipes. p. 4.

Cherniaev, V. I. - Resistance to vibration of electric motors used in vibrating machines. p. 8.

Dombrovskii, N. G., Chudakov, K. P., Feigin, L. A. - Increasing the reliability and durability of machines through proper use. p. 10.

Borodachev, I. P., Kondrashov, I. A. - Problem of the reliability of road machines. p. 12.

Kantorer, S. E. - Determination of the optimal length of service of construction machines. p. 14.

Rebrov, A. S. - Organization of the Central Design Bureau for the manufacture of excavators and cranes appears as a necessary and urgent task. p. 18.

Papazov, V. I. - Graphic method of determining the economic effectiveness of relocating tower cranes. p. 20.

Kandyba, S. V. - How to prevent the hose failure of hydraulic systems in building machines. p. 21.

Kaplan, D. IU., Novikov, B. P. - The KB-100. 1 tower crane. p. 22.

Vasil'ev, N. V., Markovich, M. M. - Hydraulic excavators for trenchless pipe laying and tunneling. p. 24.

Volkov, V. A. - The RD motor reduction unit. p. 27.

Gorbovets, M. N., Shteinberg, A. S., Shinderov, F. N. - Improvement of the aeration devices of cement storehouses of the silo type. p. 28.

Through the pages of Soviet periodicals. p. 29.

Through the pages of foreign journals. p. 31.

MOSCOW. RESPUBLIKANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MESTNYKH STROITEL'NYKH MATERIALOV "ROSNIIMS." Sbornik trudov [REPUBLIC SCIENTIFIC RESEARCH INSTITUTE OF LOCAL BUILDING MATERIALS. Papers] No. 25, 1962

Table of contents translated:

Preface. p. 3.

Petrov, V. P., Nasedkin, V V., Polinkovskaia, A I. - Distribution of perlites on the territory of the U. S. S. R.; their geological characteristics and technological properties. p. 6.

Chernova, O. A. - Investigation of the raw material for the production of expanded perlite in the R. S. F. S. R. p. 19.

Manuilova, N. S., Varshal, B. G., Maier, A. A. - Investigation of the texture and some physicochemical properties of perlite. p. 32.

Manuilova, N. S., Veber, S I., Stolovitskaia, M. M. Effect of the structure and texture of perlitic rock on its expansibility. p. 46.

IAvits, I. N. - Investigation of the viscosity and fusibility of some volcanic glass containing water. p. 54.

Polinkovskaia, A. I., Chernov, O. A., Abramov, I IA - Producing expanded perlite in furnaces with fluidized beds p. 63.

Sheinman, E. S., Chernova, O A - Producing expanded perlite in rotary kilns p. 72

IAvits, I. N., Nasedkin, V. V. - Effect of some properties of acid, volcanic, water-containing glass on the quality of expanded perlite. p. 94

Sergeev, N. I, Polinkovskaia, A. I., Manuilova, N. S. - Service life of the linings of rotary kilns for expanded perlite. p. 105.

Zil'berfarb, P. M., Zaitsev, G. G. - Using cement-perlite and lime-perlite binder in the manufacture of perlite-concrete products. p. 120.

Koz'mina, T. G - Corrosion of the reinforcement in perlite concrete. p. 135.

Zhukov, D. V., Gavrilkina, N. A., Nikitin, I. A. - Developing formulas and schedules for the heat treatment of heat insulating slabs made of perlite. p 141.

Gindina, I. M. - Economic effectiveness of producing and using expanded perlite as lightweight aggregate. p. 150.

Shportii, N. IA., Linetskii, IA. I., Gindina, I. M. - Developing the production and use of perlite concrete elements and products using perlites from the Mukhortala deposit in the Buryat A. S. S. R p. 160.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-IZYSKATEL'SKII INSTITUT GIPROVODKHOZ. Trudy [ALL-UNION SCIENTIFIC RESEARCH AND DESIGN INSTITUTE OF THE WATER ECONOMY. Transactions]. No. 22, 1963.

Table of contents translated:

- Olitserov, A. S. - Materials on the characteristic interaction of waves. p. 5.
- Vaisfel'd, I. A. - Arrangement of a sea water-intake basin on the in-shore shoals; based on data from laboratory research. p. 3u
- Shaitan, V. S. - Some methods of reducing the height of waves breaking on slopes. p. 53.
- Gugniaev, IA. E. - Protecting gentle slopes with groins. p. 62.
- Olitserov, A. S. - Wave damping on the surface of liquids. p. 83
- Obrazovskii, A. S., Voino-Sidorovich, G. B. - Study of riparian and insular floodable self-washing water-intakes. p. 159
- Smirnov, D. N., Zubov, L. B. - Solving problems of indirect water hammer in a slightly viscous liquid. p. 180.
- Studenichnikov, B. I. - Laboratory studies of the tailrace of a hydraulic complex and problems in the method of modeling erosion. p. 197.
- Motinov, A. M. - Experimental installation for hydraulic transportation of solids. p. 226
- Latyshenkov, A. M., IArotskii, V. A. - Laboratory hydraulic studies of a hydraulic complex. p. 237
- Latyshenkov, A. M. - Results of full-scale hydraulic studies of water supply channels. p. 247.
- Kamenev, I. A. - Laboratory studies of erosion in a channel with cantilevered overfalls. p. 255

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VODOSNABZHENIIA, KANALIZATSII, GIDROTEKHNICHESKIKH SOORUZHENII I INZHENERNOI GIDROGEOLOGII. Laboratoriia inzhenernoi gidrogeologii. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF WATER SUPPLY, SEWERAGE, HYDRAULIC STRUCTURES, AND ENGINEERING HYDROGEOLOGY. Laboratory of Engineering Hydrogeology. Transactions]. No. 5, 1963. [Problems of hydrogeological calculations of water intakes and drainages]

Table of contents translated

- Semenov, M. P. - Methodology of engineering geology mapping. p. 3.
- Bessonov, N. D. - Study of "suffosion" and colmatage in block-type filters made of porous materials. p. 29.
- Beliakov, V. M. - Effect of chemical precipitations in the filtration zone of wells on their capacity. p. 53.
- Bocherov, F. M. - Calculation of water intake and water level reducing wells in "closed layers." p. 65.
- Multakhov, A. Zh. - Problem of calculating layer and circular drains used in industrial and city construction. p. 95.
- Bocherov, F. M., IAzvin, L. S. - Nonsteady pressure-pressureless movement of underground waters to water intakes. p. 124.

PENZA. INZHENERNO-STROITEL'NYI INSTITUT. Uchenye zapiski [CIVIL ENGINEERING INSTITUTE. Studies]. No. 1, 1961.

Table of contents translated:

- Breger, M. A. - Struggle of the Communist Party with petit bourgeois elements to enlist on the side of the proletariat nonproletarian city workers during the spring and summer of 1918. p. 3.
- Morozov, V. F. - Treatment of the history of the establishment of the Soviet regime in the Penza Government in the memoirs of the old Bolsheviks. p. 47.
- Batalina, A. P. - Industry in Penza Province and its development during the period of the activity of the economic council. p. 78.
- Emel'ianov, I. P. - History of the struggle of the Soviet people for efficient use of working time in industry. p. 131.
- Sil'vanovich, G. I. - Operational planning, accounting, and control in the construction industry. p. 157.
- Zuev, V. E. - Design and construction of industrial buildings should be based on economic considerations. p. 197.
- Supplement. p. 202.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 41, no. 7, July 1964.

Table of contents translated:

- Vaisman, R. L. - Building a synthetic fiber plant in Daugavpils. p. 1.
- Bulgakov, S. N. - Practices in erecting a suspension roof on the main body of a "capron" fiber plant. p. 5.
- Shapoval, I. K. - Erecting elements for the enrichment plant of the Dzhetygara Asbestos Combine. p. 8.
- Ostrovskii, M. E., and others. - Design for a new type of a chemical plant. p. 13.
- Rygalov, V. A. - Unifying the dimensions of blocks of general plans for chemical plants. p. 19.
- Sokolov, V., Kuchinskaia, I. A. - Using lightweight structures for chemical plants. p. 22.
- Pavlova, L. P. - Lighting problems in plants manufacturing welded chemical equipment. p. 25.
- Zakharov, V. A. - Effective performance of steel prestressed trusses. p. 29.
- Solodar', M. B., Plishkin, IU. S. - Defects in the design of steel elements for conveyor trestles. p. 33.
- Bondarenko, A. D., Bekker, A. G., TSal'man, L. B. - Practices in manufacturing elements of thermally treated St. 3 steel. p. 36.
- Gladshtein, L. I., Levitanskii, I. V., Gorozhnyi, V. A. - Bolt joints in elements of thermally hardened steel. p. 40.
- Fukson, S. IU., Shevchenko, V., Dashevskii, M. IU. - Stock temporary railroad tracks for industrial construction. p. 44.
- Aastiab, M. IU. - Weight of railroad and automobile traffic on underground structures. p. 46.
- Gerasimov, IU. K. - Temporary plastic roofs covering construction work in winter. p. 47.

REFERATIVNYI ZHURNAL. AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS. HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL. STROITEL'STVO I ARKHITEKTURA [JOURNAL OF ABSTRACTS. CONSTRUCTION AND ARCHITECTURE]. Issued by Akademiia stroitel'stva i arkhitektury SSSR [Academy of Construction and Architecture of the U.S.S.R.]. Moscow, vol. 6, no. 4(34), 1964

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'nyi komitet Profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 10, no. 8, Aug. 1964.

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 9, no. 6, June 1963.

Table of contents translated:

- Isidorov, V. V., Popov, N. A., Elinzon, M. P. - Problems of producing artificial aggregates for concrete. p. 1.
- Liandres, M. Sh. - Performance of a stonecutting machine with heavy feeds. p. 3.
- Discussing the article "For the creation of modern production of high-grade, inexpensive lime":
  - Sukhanov, A. I., Markin, S. - Urgent tasks in developing the lime industry. p. 6.
  - Drosdov, K. S. - Technical backwardness is the cause of low-grade lime production. p. 6.
  - Rudzii, A. A. - Old style shaft kilns must be redesigned. p. 7.
  - Krasheninnikov, A. N. - Lime is as good as cement. p. 7.
  - Zhukov, A. V., Ershov, D. D. - Complete utilization of quarry materials. p. 8.
  - Gordashevskii, P. F., Korniushina, A. P. - Kilning processes must be determined depending on the use of lime. p. 8.
  - Chernyi, I. L., Berezovskii, V. I. - Advantage of kilning lime in rotary kilns. p. 9.
  - Pevzner, E. D. - Optimal conditions of kilning dolomite lime. p. 10.
  - Parchuf, L. S., Pervin, V. E., Sukhova, L. A. - Continuous measurement and control of the weight of 1 m^2 tar paper. p. 11.
  - Karasev, K. I., Petrova, A. V. - Polymer cement leveling blankets. p. 13.
- New developments in the manufacture of products from wastes of organic materials:
  - Pogrebniak, Z. F., Gorskii, B. Z., Kladkevich, G. P. - Fireproof particle boards. p. 14.
  - Minin, A. N., Kat'ko, L. T. - New material for floors made from industrial wastes. p. 16.
  - Finkel'shtein, M. S. - Modernized nine-story hydraulic press for producing boards from wood wastes. p. 18.
  - Borisenko, O. S., Shidlovskaia, A. G. - Heat insulating materials made from a sprit base. p. 19.
- Shurak, L. M., Rybalko, I. A., Borovitskii, E. V. - Production of cementless slag concrete blocks. p. 20.
- Eremenko, V. V., and others. - First Siberian plant for the production of agloporites in a brick factory. p. 22.
- Izraelit, M. M., Gerashchenkov, N. S. - Using dolomite for high-strength concretes. p. 25.
- Sendetskii, A. A. - Small installation for determinin the coefficient of heat conductivity of industrial samples of building materials. p. 26.
- Solomatov, V. I. - Frost resistance of polymer cem concrete. p. 28.
- Volzhenskii, A. V., Tiranova, T. M. - Clinkerless bi ing materials made out of phosphoric slag. p. 3
- Betikov, I. E. - Study of the kinetics of liquid phase the production of agloporites based on the electr conductivity of clinkering charges. p. 34.
- Umniakov, P. N. - Heat conductivity of "arbolite" in enclosing structures. p. 36.
- Khigerovich, P. N. - Increase in the durability of bu ing materials and structures. p. 36.
- Budnikov, P. P., Matveev, M. A. - Helpful book. p.
- Krzheminskii, S. A. - Relation between the structu and frost resistance of materials. p. 30.
- Information. p. 40.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ Gosudarstvennyi proizvodstvennyi komitet po transportnomu stroitel'stvu SSSR [State Production Committee for Transportation Construction in the U.S.S.R.]. Moscow, vol. 13, no. 10, Oct. 1963.

Table of contents translated

- Pay great attention to projects in the final stage of construction. p. 1.
- For the 46th anniversary of the Great October. p. 2.
- Kozlov, V. P. - On the Great Ring of the Moscow Railroad. p. 4.
- Krupen', A. I., TSiupa, V. S. - Results of building a roadbed. p. 6.
- Uglitskii, V. I., Somin, V. I., Krivoshein, V. S. - Cars for technical propaganda at construction sites. p. 8.
- Glyzin, A. P. - Layout of longitudinal sections in peat. p. 9
- Kirzhakov, G. M., Sidorov, V. I. - Results of the electrification of the Oktyabr'skaya road. p. 11.
- Solokhin, V. P. - Sinking wells in compact clay ground. p. 13.
- Bypov, I. G., Koter, V. A., Shklovskii, M. IA. - Installing bridge foundations on shelled piles with widening by underground explosion. p. 14.
- Skotnikov, M. N. - Installing bridge seats by the coupled block method. p. 17.
- Solov'ev, IU. F. - Construction of a new section of the Leningrad subway. p. 19.
- Rozenberg, V. M. - Unification of structures for marin construction. p. 22.
- Freikman, A. I. - Experimental construction of a wave damping berm made of tetrapods. p. 25.
- Tereshchenko, P. L., Storozhev, N. F. - Laying underwater pipelines by the free immersion method. p. 28.
- Rasskazov, I. D. - Pay more attention to the bridge industry. p. 32.
- Morshtein, O. B. - Production of keramzit concrete beams of bridge seats. p. 33.
- Mitroshin, N. S. - Organization of the machine unit method of repair at the Rzhev Repair Machine Plant. p. 37.
- Kabanov, V. S. - Main line of laboring glory. p. 40.
- Lisenkov, A. A. - The bridge is our dear home. p. 42.
- Tolstobrov, V. N. - We are working for the sixth year of the seven-year plan. p. 44.
- Levin, V. I. - Calculation of optimum load in construction organizations. p. 45.
- Rusakov, I. M. - Economic effectiveness of using construction machines. p. 47.
- Al'brekht, V. G., Komarov, A. A., Kokovikhin, M. F. - Characteristics of planning roads beyond the Arctic Circle taking into account the requirements of combatting snow. p. 48.
- Til'man, A. O., IAkovlev, B. V. - Develop technical and economic design models of new railroads. p. 50.
- Tikhonchuk, IU. N. - Coordinated development and distribution of the freight organizations for railroads. p. 52.
- Denisov, I. I. - Effect of interruptions during concreting work on the formation of cracks in bridge seats. p. 54.
- Bogdanov, N. N., Kamentsov, V. P., Solov'ev, G. P. - Testing models of continuously reinforced elements and units of precast reinforced concrete trusses. p. 56.
- Samoilov, V. P. - Shield tunneling in sandy soils. p. 59.
- Tereshin, V. S. - The duty of each designer. p. 60.
- Koriakin, B. V. - Reinforced concrete anchors on a quick-setting mortar. p. 64.
- Gluzman, E. A. - Tables for determining the number of high-strength bolts in joints of steel bridges. p. 66.
- Bruiakin, A. V., Zub, N. I. - Testing electric detonators of short delayed action. p. 67.
- Kadil'nikov, M. F. - Multipurpose grease for forms. p. 68.
- Efficiency experts suggest. p. 69.
- Sessarevskii, A. N. - Rapid method of laying railroad track on French roads. p. 70.

TSimbarg, I.E. - Installation of a concrete arch for the bridge across the Pariamatta River. p.73.
Golubeva, O.P., Naumov, S.F. - New railroad station in Liege. p.74.
We answer questions. p.77.
Looking through old periodicals. p.77.
Brief news. p.78.
In the latest periodicals. p.80.

Vol.14, no.1, Jan. 1964.
Table of contents translated
The year that has past and the year to come. p.1.
Anpilogov, R.G. - Great work of builders of transportation systems. p.2.
Kaz'min, N.I. - Siberia is building roads. p.2.
Arkhiptsev, V.O. - Rails stretch to the horizon. p.3.
Marachev, P.P. - Responsibilities of builders of the North and the West. p.4.
Mukhin, N.V. - In cooperation with the operators. p.4.
Levin, B. - On a great drive. p.4.
Shvedenko, V.K. - Builders of automobile roads on duty for the seven-year plan. p.5.
All-Union public inspection of the quality of construction has been successfully carried out. p.6.
Slobodeniuk, P.S. - Carrying out earthwork operations in winter. p.7.
Krupen', A.I., Rodionov, I.P. - Building the Karaganda-Karagayly railroad line. p.10.
TSerkovnitskii, N.V. - New electric lines. p.12.
Kolokolov, N.M. - Technological progress and ways of increasing labor productivity in bridge building. p.13.
Ulanov, E.S., Skriabin, S.A., Bykov, N.V. - Bridge across the Volga at Rybinsk. p.17.
Ivanchenko, I.A. - The people thank them. p.18.
Khodosh, V.A. - Shields with horizontal platforms for tunneling in sandy ground. p.22.
Chasovitin, P.A. - They know no obstacle. p.22.
Kas'ianov, V.V. - Light gravity quay with discharging and screening platforms. p.26.
Demeshev, S.S. - On waterways and in seaports. p.26.
Kantor, M.IA., Voitovich, S.A. - Concreting domes and shells by wet guniting. p.29.
Mokhortov, K.V. - According to advanced technology. p.30.
Kryzhanovskii, V.M. - Quarter of a year of building steel tracks. p.32.
Maikov, G.K. - Authority achieved by work. p.34.
Workdays of the Great Ring. p.35.
Karpliuk, V.P., Korchan, A.A. - Always on the road. p.35.
Tikhonov, M.P. - Without wasting time. p.36.
Isaenko, E.P. - Effect of shifting mechanized crews on the cost of earthwork. pp.37, 49.
Ulitskii, B.E. - Advanced methods of design in the construction of bridges. p.39.
Zelevich, P.M. - Pressure of loam soils of embankments on right-angle culverts. p.41.
Bystrov, A.G. - Incline grading with additional straightedge. p.44.
Kurashvili, A.I., Stepanian, V.E. - Improving the bearing strength and the waterproofness of tunnel linings by pressure mortar. p.46.
Gota, V.U. - Inclines for multiple traction. p.47.
Shtern, O.I. - Determining the resistance of concrete to tension by the cracking method. p.48.
Skokan, A.I. - Single-scoop multipurpose loaders on track-laying tractors. p.50.
Suggestions of innovators. p.52.
Golovachev, A.S. - Survey of makes of vibrating pile drivers. p.53.
Glazko, S.G. - Builders for the transportation industry in foreign countries. p.54.
Chernov, P.N. - Design for the construction of a railroad in Central Asia. p.57.
Looking through old magazines. p.58.
Our calendar. p.58.
Vicherevin, A.E. - New literature on construction. p.59.
Calculating resistance to landslides. p.60.
Brief news. p.62.

TSEMENT [CEMENT]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol.30, no.1, Jan.-Feb. 1964.
Table of contents translated·
Tasks in the sixth year of the seven-year plan. p.1.
Podyma, S V. - "Volga Cement Heavy Machinery Plant" is a leading enterprise of cement machinery construction. p.4.
Budnikova, P.P., Shakhmagon, N.V., Entin, Z.B. - Effect of sodium fluosilicate on the viscosity of the clinker liquid phase. p.6.
Butt, IU.M., and others. - Burning portland cement raw material mixes at high temperatures (up to 2273° K). p.9.
Khvostenkov, S.I - Constant or variable profile of rotary kilns? p.12.
Potriasov, V.N. - How we are improving the standard of production. p.15.
Smekhov, M M , Kolupaev, N.T. - Work specialization is an urgent task p 16
Saratov, A.S. - What we gained from an analysis of production costs p.16.
Kosovtsev, V A , Gnedov, S A. - Photoelectric device for stopping the convergence of bridge cranes. p.19
Zhuravlev, V M., Lidums, A K - Boltless fastener for the lining of a ball mill. p 19.
Bush, L P - Reconditioning the suction pipes of a rotary dryer. p 20
El'tsov, E V., Bugaev, P S - Vortex drying kilns. p 21
Device for utilizing industrial dusts p 21
Through the pages of foreign magazines p 22
Information and brief news p.22
Technical questions and answers p 3 of cover

VOPROSY GIDROTEKHNIKI [PROBLEMS OF HYDRAULIC ENGINEERING]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S R.]. Tashkent, no.13, 1963. [Fluvial processes and river depositions].
Table of contents translated
TSvetkova, N.A. - Deposition conditions on the Amu Darya. p.5.
Skryl'nikov, V.A. - Calculation of silting of supported headraces of hydroelectric power stations. p.87.
Bocharin, A.V. - Principles of the calculation of the intake of dense currents in water intake apertures. p.105.
Experiment in modeling channel deformations of the Syr Darya at the Chardara hydroelectric structural complex p 123
Pilosov, E M., Skryl'nikov, V A. - Some results of the study of the total scouring of the Vakhsh River bed p 129
TSoi, G.A. - Using the method of approximation to determine lateral dimensions of a self-scouring bed in gravel and pebbly soils. p.140.
Results of the operation of the water intake of the Upper Zeravshan Hydroelectric Power Station. p.145.

e. ELECTRICAL ENGINEERING

* AKADEMIIA NAUK SSSR. Izvestiia. Tekhnicheskaia kibernetika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Engineering Cybernetics]. Moscow, no.1, Jan.-Feb. 1964.
Table of contents translated·
Glushkov, V.M - Use of the abstract theory of automata in minimizing microprograms. p.3
Matsevityi, L.V. - Algorithm for minimizing microprogram networks. p.9.
Braiiovskii, V.L , Lunts, A.L. - Formulation of a problem on the recognition of objects with multiple parameters and methods for solving it. p 20.
Ozernoi, V.M. - Minimization of composite logical networks consisting of one-function elements. p.32.
Lazarev, V.G. - Matrix method for minimizing the number of internal states of asynchronous finite automata. p.36.
Butakov, E.A., Zakrevskii, A.D. - Realization of Boolean functions using threshold devices. p.39
Rozenblat, M.A., Gendler, B.M. - Logical features of real threshold elements. p.50.
Petrosian, A.V., Mnatsakanian, B.S. - Automatic control of the operation of a digital computer. p.65.
Sagalovich, IU L., Sheverdiaev, A.IU. - Construction of a long code from a short one retaining the correcting capability. p.73.
IAnbykh, G.F. - Use of D-type code rings in coding converters. p.75.
Paderno, I.P., Usachev, V.A. - Some principal properties of queueing systems with constant productive capacity and refusals (losses). p.86.
Liubatov, IU.V. - Efficient planning of search operations. p.94.
Mutsenieks, V.A., Rastrigin, L.A. - Optimalizing control of continuous multiparameter systems using a random search technique. p.101.
Rozenvasser, E.N. - Variational approach to the evaluation of the harmonic balance technique. p.111.
Krutova, I.N., Rutkovskii, V.IU. - Adaptive control system with a model. p.124.
Gabasov, R., Kirillova, V.M. - Contribution to the problems of optimal control. p.132.
Chkhartishvili, L.P. - Synthesis of automatic control systems according to the minimum criterion of the r.m.s. error with specific structure. p.143.
Chelpanov, I.B. - Synthesis of a complex system consisting of a continuous and discrete channel. p.154.
Agasandian, G.A. - Synthesis of one class of automatic control systems subject to the action of random disturbances. p.165.
Zhivogliadov, V.P., Maslov, E.P. - Problem concerning the evaluation of essential object parameters. p.175.
Emel'ianov, S V., Kostyleva, N.E - Synthesis of automatic control systems with variable structures and discontinuous switching function. p 182.
Mikhailov, N N., Novosel'tseva, Zh A - Optimal transient processes in a system with prediction. p.187.
Viktorov, E.D. - Stabilization of a control system by the introduction of nonlinear compensation. p.196
Petrov, V.A - Consideration of a transient process in a problem of statistical synthesis of a pulse system. p 202

AKADEMIIA NAUK SSSR Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki [ACADEMY OF SCIENCES OF THE U S.S.R. Institute of Electrical Machinery and Apparatus Papers on the Problems of Electrical Machinery and Apparatus]. Moscow, no 10, 1963. [Construction of electric power machinery and specialized machines]
Table of contents translated
Burtseva, G E , Zakharova, E P - Prospects of the development of large intersystem power transmission networks p.3
Davydova, L N. - Trends in the use of atomic electric power plants in consolidated power systems p 15
Glebov, I.A., and others - Scientific problems in the field of automatic control and regulation of large electric power systems and their elements p 23.
Artiugina, I M., Kozyreva, L D - Effect of the mode of operation of a condensing electric power plant on its engineering and economic indices p.40
Antonov, N N. - Area of effective use of units with large rated power in condensing electric power plants operating in a consolidated power system. p.48
Kirpichev, V.I. - Choice of optimum standard dimensions of turbine units of thermal electric power plants in electrical systems. p 53
Sashonko, G I - Use of peak load gas-turbine power plants in prospective power systems. p.60.
Neiman, L.R., Glinternik, S R , Emel'ianov, A.V - Direct current transmission abroad. p 69.
Method of calculating steady-state characteristics of a branched d c. power transmission network interconnecting three utility systems p.81
Glebov, I A , Skosyreva, T.N. - Increasing the power factor of rectifiers using nonsymmetrical control and determination of the harmonic composition of phase currents p 97.
Ivanov, I I - Construction of a nomogram for determining the coefficient of nonsymmetry in balanced three-phase systems p.112.
Roshchin, G.V., Akimova, I.IA - Specialized electronic analog computer for studying processes in electric power systems p.120.
Buevich, V.V. - Prospects for increasing the stability of electric power systems with regulatory action of steam turbines. p.128
Kashtelian, V E , Siryi, N.S. - Study of the parallel operation of long-distance power transmission lines with a common receiving system. p.137.
Siryi, N S. - Joint regulation of excitation with consideration of frequency and angle of the synchronous generator p.145.
Kashtelian, V E , and others. - Effect of the parameters of excitation systems on the static and dynamic stability of turbogenerators with forced cooling. p.153.
Fedorov, V.F. - Effect of artificial damping on syn-

[illegible] II. A., Z[illegible], S. V. - S[illegible]
[illegible] p. 257
[illegible] electrical [illegible] p. 277
[illegible] regulator of [illegible]
[illegible] A. - Delayed feedback [illegible] of a motor [illegible] p. 280

*ATOMNAIA ENERGIIA [ATOMIC ENERGY]. Issued by [illegible] [Academy of Sciences [illegible] U.S.S.R. and the State Committee on the Use of Atomic Energy [illegible] Council of Ministers of the [illegible] vol. 17, no. 2, Aug. 1964.

Table of contents translated.
[illegible], V.A., [illegible]lin, E.A., Reva, N.I. - [illegible] of the electroconductivity of a glass [illegible] in strong electric fields. p. 83.
[illegible], M. - Device for studying the motion of particles in accelerators. p. 88.
[illegible], IU.I., [illegible], V.V., Smirnov, V.G. - Determining the optimum extent of burnup and the energy content of nuclear fuels by the cost accounting method. p. 94.
[illegible], Pavel. - Stability regions of the control circuit for a cold reactor. p. 97.
[illegible] - Step[illegible], N.N., Nosov, V.I. - Theoretical and experimental studies on the efficiency of absorbing control rods in a reflected reactor. p. 103.
N[illegible], V.I., and others. - Dispersion-type absorbing materials for control rods of thermal reactors. p. 107.
[illegible]renko, I.I., and others. - Neutron propagation in uranium carbide. p. 113.
[illegible]pitsyn, Vikt.I., Nesmeianova, G.M., Vikulov, A.I. - Some characteristics of uranium oxidation by trivalent iron ions. p. 119.
[illegible]lit, IU.M., and others. - Use of concrete in fixing hydroxide sediments containing radioactive elements. p. 124.
[illegible], D.L. - Effect of solar radiation on the propagation of the radioactive products of nuclear explosions in the atmosphere. p. 130.
Izrael', IU.A. - Effect of surface irregularities on a gamma field over an area contaminated with radioactive fallout. p. 137.
Eleonskii, V.M., Pollak, IU.IA. - Conductivity of a turbulent plasma in the approximation of magnetohydrodynamics. p. 141.
Nizhaleva, T.N. - Some reactions on zinc bombarded by 30 Mev. protons. p. 142.
Petrov, IU.P. - Optimum conditions for reactor shutdown. p. 144.
Daruga, V.K., and others. - Fast neutron propagation through sodium. p. 145.
Makhlis, F.A. - Selecting the parameters of planar irradiators of irradiation units. p. 147.
Podymakhin, V.N., Toropygina, E.G. - Liquid scintillation counter for studying biological preparations. p. 149.
Agranovich, V. - All-Union Conference on the Theory of Solids. p. 152.
Spolosov, N. - Conference on Radiochemistry. p. 153.
Kolychev, B.S. - Study on the treatment and burial of radioactive waste. p. 154.
New books. p. 157.

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD] Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.] Moscow. vol. 8, no 7, 1964

AVTOMATYKA [AUTOMATIC CONTROL]. Issued by Instytut kibernetyky Akademii nauk URSR [Institute of Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 6, 1963.

Table of contents translated:
Sud-Zlochevs'kii, A.I., Ufimtsev, I.H. - Method for optimizing a transient process in a servosystem with an oscillatory drive of the third order. p. 3.
Use of automations in the control blocks of digital computers. p. 11.
Gostev, V.I. - Approximate equivalent frequency characteristics of correcting RLC frequency-carrier circuits. p. 17.
Fiks, I.H. - Electromagnetic consumption meter containing a transducer with a nonuniform magnetic field. p. 29.
Shcherban', O.N., Kaplan, R.A., Prymak, A.V. - Transmitting device of a frequency telemetry system of low-power output signals. p. 42.
Bolchuk, L.M. - Analysis of optimum systems of automatic stabilization. p. 47.
Pushchalovs'kyi, A.D. - Analysis of error in an automatic system for dosing liquid metal. p. 58.
Balasanov, D.B. - Method for obtaining an approximate characteristics equation of an automated gas main. p. 65.
Bogdanov, H.B., Sencts'kyi, S.O. - Gas discharge counter in an impulse magnetron. p. 78.
Voronova, L.I., Krementulo, IU.V. - Convertors of discrete magnitudes to continuous ones using alternating current. p. 81.
Chekhovyi, IU M., Sheyko, P.P. - Review of "Analysis and synthesis of pulse type and digital automatic control systems." p. 84.
Contents of the magazine "Avtomatyka" for 1963. p. 86.

Vol 9, no 4, 1964
Table of contents translated
Zhuk, K D - Properties of some structures of multiple-link systems with regulating models. p 3.
Lazarev, h B - Determination of stability regions of automatic control systems with random parameters. p. 10
Ivakhnenko, O H - Comparison of the properties of principal schematics of composite optimalizing control systems Part 1 p 15
Dovydiuk, H D, and others. - Cognition of handwritten and typed numbers using a comparison method involving standards p 30.
Dolyns'ka, N O., and others - High-frequency "puming" systems of parametronic digital computers p. 37
Sul'zhenko, IU F - Sinus condenser as a converter of angular displacement. p 57
Barabanov, V O, Shydlovs'kyi, A K. - Single-phase device for controlling and reversing a three-phase load p. 65.
Vandolovs'kyi, O H - Photoelectric device for stabilizing positions in space. p. 68.
Kachanova, N A. - Machine computation and calculation of mutual impedances and self-impedances of complex power systems p 72.
Kleshchov V V. - Computer models of the economy. p 73.
Kudinenko, A.V., Chynaev, P.I. - Contactless optimalizing controller p. 75.
Lapa, V H - Prediction of biological nonstationary processes using a characteristic component technique p. 80.
Nurmukhamedov, Kh.M - Compound links and feedback with optimum recuperation law in valve cascade circuits. p. 83.
Pavlov, V V. - Polyinvariance in combined nonlinear automatic control systems. p 87
Shelko, P P. - Controllers with self-changing settings for optimization of electric arc welding operations. p 89.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S S.R.] and others. Moscow, vol. 35, no 5, May 1964.

Table of contents translated:
Kruk, M.T., IAnko, P.I., Stepanov, L.A. - Special features in starting and operating the TGM-84 boiler on sulfur bearing mazut. p. 2.
Elimochkin, G.I. - Effect of nozzle design on the operation of a water jet ejector. p. 7.
Kryzhanovskii, V.A., and others. - Corrosion products in the water and vapor channel of a high-pressure thermal electric power plant. p. 11.
Man'kina, N.N., Meier, L.A., Kaluzhskaia, T.A. - Use of hydrazine for preventing incrustation formation. p. 14.
Kizin, M.G., Brazhnikov, N.V., Liamin, P.E. - adjustment of ash collector batteries. p. 17.
Ivianskii, S.I., Serik, V.I. - Scavenging of boiler tube blocks after hydraulic tests. p. 20.
Shitsman, S.E. - Obsolescence of machinery in electric power plants. p. 24.
Mogilevskii, G.F., Tarnopol'skii, M.D. - Construction of the covering of the machine room of a thermal electric power plant. p. 28.
Vinogradov, D.E. - Pile foundations of 110 kv. power transmission line supports. p. 33.
Milichenko, S.L., and others. - Repair of the rotor wheel of a hydraulic turbine using built-up welding with a cavitation resistant layer. p. 37.
Artem'ev, D.E., Kryzhanovskii, V.V. - Characteristics of the idle operation of power transformers. p. 43.
IUrenkov, V.D., Elvin, V.I. - Increase in the switching capability of separators and disconnectors with 35 - 220 kv. ratings. p. 46.
Serebrennikov, V.N. - Load distribution between electric power plants taking into account the cost of relative increments. p. 53.
Makarova, A.S., Makarov, A.A. - Mathematical model for planning the perspective development of a power system. p. 55.
Lyskov, IU.I., Sokolov, N.N., Rokotian, S.S. - Long-distance 750 kv. power transmission lines. p. 60.
Study of internal overvoltages in a 500 kv. network of the Moscow Regional Power System Administration. p. 67.
Pekker, IA.L., Belosel'skii, B.S. - Study of coal carry-off from furnaces and problem of the intensification of the combustion of pulverized coal. p. 71.
Pekker, IA.L. - Analysis of pulverized coal combustion processes. p. 76.
Aveeva, A.A. - Effectiveness of burning mazut. p. 79.
Ilovaiskaia, M.V., Gronskii, R.K. - Determination of the magnitude of scavenging in electric power plants in condensate distilling operation. p. 81.
Aptik, D.IA. - Repair and adjustment of the rear seal of the VR-25-1 turbine. p. 81.
Azbukin, IU.I. - Redesigning of turbogenerator rotor bindings. p. 83.
Smel'nitskii, S.G., Kazanskii, V.N., Ruchnov, P.A. - Decrease in the aeration of turbine oil. p. 84.
Zaporozhets, B.I. - Industrial training and work with personnel in electrical networks. p. 85.
Rustam-zade, P.B., Egunov, V.N. - Conducting repair operations according to phase in 35 kv. power transmission lines. p. 86.
Bondarevskii, L.V., Pekler, V.N. - System for busbar protection and reservation of protecting devices and switches. p. 88.
Korshunov, A.P. - Author's reply to A.B. Oskin, A.I. IAkobs, and L.P. Terent'eva's remarks. p. 90.
Introduction of changes and additions into the "Safety engineering regulations for operating the electrical systems of municipal power distribution networks with ratings up to 1,000 volts." p. 91.
Disconnecting and connecting nonloaded 154 kv. transformers using OD-220 isolators and RLND-154 disconnecting switches. p. 92.
Defects of small MV-110 entrances with 1000 a. ratings manufactured by the "Uralizoliator" factory. p. 92.
Shakhanov, V.S. - Results of a conference on mathematical modeling and use of electronic computers in power engineering. p. 93.
Borovitskii, V.N., Chumachenko, V.N. - New topical exhibits at the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 95.
M.R.Sonin; an obituary. p. 96.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo sviazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im A.S. Popova [Ministry of Communication of the U.S.S.R. and the A.S Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 18, no. 5, May 1964.

Table of contents translated:
69th anniversary of radio. p. 1.
Konopleva, E.N. - Reliability of communication and necessary signal to noise ratio relationships in a microwave radio communication channel. p. 3.
Kuznetsov, V.D., Paramonov, V.K. - Problem concerning the choice of antenna height for an ionospheric scatter communication line. p. 9.
Bazolian, L.L., and others. - Wideband highly directional decameter wave antenna. p. 14.
Khanovich, I.G. - Optimum number of signal positions in an FM communication system using a storage technique. p. 22.
Aksentov, IU.V., Shumlinov, V.S. - Determination of tolerances in signal brightness variations, signal color, and initial phase. p. 29.
Kuznetsov, IU.A. - Increase in the correctional reliability in teletype apparatus. p. 35.
Koshcheev, I.A. - Effects at the nonrest terminal between the circuits of a single quadded cable with shifted amplifiers. p. 40.
Pikulik, V.G., Shats, S.IA. - Use of the avalanche properties of junction transistors in pulse systems. p. 46.
Bukhviner, V.E. - Device for analyzing the statistical characteristics of a radiotelegraph communication channel. p. 53.
Terlaev, B.G. - Conversion of one-dimensional envelope distribution functions and phase of a narrow-band random process in frequency dividers. p. 64.
Grinev, G.A. - Analysis of the operation of the electrical circuit of a selective call receiver using difference relays in a mobile radiotelephone system. p. 69.
Nemirovskii, A.S. - Experimental determination of the correlation of slow changes in thermal and transient noises in tropospheric communication lines. p. 75.
Glukhov, A.A. - Measurement of nonlinear distortions in a wire broadcasting channel. p. 76.

Vol. 18, no. 8, Aug. 1964.
Table of contents translated:
Shifrin, IA.S., Tarasov, V.A., Trashkov, P.S. - Experimental study of some problems of long-distance tropospheric propagation of S-band waves. p. 1.
Troitskii, V.N. - Study of the fluctuation of group delay time in long-distance tropospheric propagation of radio waves. p. 9.
Polekhatyi, M.I. - Comparison of the interference rejection of some phase telegraphy signal reception techniques. p. 17.
Karshin, V.M. - Integration and filtration in synchronous reception of radio signals. p. 21.
Al'tshuller, G.B., Parfenov, B.G. - Special features in controlling the frequency of quartz oscillators. p. 31.

IAshchenko, K.A., Zverev, IU.B. - Transmission of the audio component of a television broadcast using video signal multiplexing by phase modulated pulses. p.38.
Anisimov, V.I., Golubev, A.P. - Equivalent circuits of a transistor operating in a weak signal chopping mode. p.44.
TSirel'son, D.A. - Synthesis of reactance converters. p.52.
Prianishnikov, V.A. - System for measuring the correlation factor. p.58.
Nemirovskii, A.S. - Noise suppression by a syllable compandor. p.65.
Simonov, IU.L. - Calculation of the noise of a transistor at high frequencies. p.71.
Grigulevich, V.I., Lobodzinskii, V.A. - Spurious phase modulation in the limiting of AM oscillations. p.73.
Chasovitin, IU.K., Fesenko, S.G. - Probability of the propagation of radio waves through the E_s layer. p.77.
Gurevich, A.S. - "Linear communication systems" by I.E. Grodnev and N.D. Kurbatov. p.79.
IA.I. Velikin, on his 60th birthday. p.80.

ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING]. Issued by Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol 35, no. 5, May 1964.

Table of contents translated:
Kazovskii, E.IA., Kasharskii, E.G., Volkov, A.M. - Determination of the frequency characteristics of turbogenerators. p.1.
Voskresenskii, A.P., Kuznetsov, B.I. - Improvement of the characteristics of short-circuited induction motors with cast aluminum rotor cages. p.6.
Chertok, D.N., Povolotskii, M.E., Bachurikhin, N.P. - Method for improving the characteristics of asynchronous motors with short-circuited rotors. p.10.
Kravchik, E.D., Shlaf, M.M. - Asynchronous motors sizes 10-11 with power ratings from 100 to 400 kw. and cast aluminum rotor winding. p.13.
Talyshinskii, R.I., Davydov, V.F. - Additional losses in an asynchronous short-circuited motor with non-insulated rotor pins. p.16.
Gaintsev, IU.V. - Effect of total additional losses on the actual efficiency of asynchronous motors. p.18.
Man'kin, E.A., Ryvkin, A.M. - Revised standard on methods for testing power transformers. p.21.
Man'kin, E.A., Ryvkin, A.M. - Indication of damages in testing the dynamic strength of transformers. p.24.
Livshits, P.S. - Standardization of the makes of electric brushes. p.27.
Kaplan, D.A., Kuchinskii, G.S. - Effect of moisture on the electrical strength of transformer oil. p.30.
Ivanov, K.I., Lipshtein, R.A. - Laboratory techniques for evaluating the stability of transformer oils. p.33.
In the State Committee on Electrical Engineering. p.35.
Alikhanian, K.A. - Series of motor reducing gear units for agricultural use. p.36.
Benderskii, I.Sh., Popov, K.K. - OS-627 stator winding machine. P.37.
Bliumberg, V.A., Khmel'nitskaia, N.E. - Intensified drying of the windings of electrical machines. p.39.
Tomashevskii, F.F., Chudakova, P.V., Matveeva, M.I. - Increase in the specific characteristics of alkaline iron-nickel diesel locomotive storage batteries. p.40.
IAnchenko, V.S., Selitskii, I.A. - Effect of the branching of the current conducting lattice on the operation of the plates of a lead storage battery. p.42.
Oskerko, B.F. - Determination of temperature increase in the windings of salient pole synchronous machines taking into account the idle operation of the synchronous compensator. p.44.
Rekus, G.G. - Power indices of asynchronous motors operating as single-phase condenser motors. p.46.
Zaprosov, V.O. - Choice of rectifiers for the excitation networks of synchronous machines. p.48.
Zakharian, V.M., IAkova, N.D. - Simplified methodology for the conversion of universal electric motors. p.49.
Levchenko, G.V., and others. - Choice of metallo-ceramic material for contactors operating in a vacuum. p.52.
Kussul', A.M., Skurygin, L.K., Isakov, IU.A. - Operation of large current carrying contactors at high temperatures. p.54.
Rozenblat, M.A., Nanobashvili, N.D. - Method for recording in carrying out logical operations using multicore magnetic elements. p.56.
Rakov, M.A., Petrushko, I.V. - Circuit of a d.c. transformer with increased transformation accuracy. p.58.
Sakovich, A.A., and others. - Multichannel ring-type switching device using regulated silicon valves. p.60.
Nurkov, E.S., Gres', V.V., Kunegin, V.S. - Application of polytetrafluoroethylene insulation on cables. p.62.

Vol. 35, no. 6, June 1964.

Table of contents translated:
Pisarev, A.L. - Prospects for using magnetic amplifiers in industrial automatic control systems and electric drives. p.1.
Abgarian, E.T., Suvarian, G.S. - USO magnetic power amplifiers. p.4.
Stefanovich, T.Kh. - Construction of industrial magnetic amplifiers with toroidal ribbon cores. p.8.
Svidchenkova, V.N. - Circuits of magnetic amplifiers providing increased stability. p.10.
Andreev, V.A. - Optimum fundamental dimension of toroidal cores for saturable reactors with multiple windings. p.14.
Smirnov, IU.V. - Design of an optimum magnetic power amplifier. p.15.
Alenchikov, D.A., and others. - Series of motor-amplifiers. p.19.
Sokolovskii, G.G. - Physical modeling of large electromechanical time constants. p.24.
Arutiunian, V.S. - Parameters and asynchronous characteristics of a synchronous machine with a nonsymmetrical damping system. p.27.
Segal', M.N. - Compensation of the delay of automatic control systems using input signal switching techniques. p.28.
Lapchuk, V.A., Polurovskaia, E.I., Shishkin, S.V. - Freon resistance of electric insulating materials. p.31.
Ganusevich, E.K., Reut, L.Z. - Ohmic resistance of enameled wires. p.35.
In the State Committee on Electrical Engineering. pp.37, 46.
Bertinov, A.I., Varle, V.V., Miziurin, S.R. - Principal design equations of an electrical machine with rolling rotor. p.38.
Detinko, F.M., Fastovskii, V.M. - Mechanical calculation of the pole coil of a synchronous machine. p.42.
Osnovich, L.D., Osnovich, Z.A. - Calculation of a cylindrical armature with printed winding of a d.c. motor. p.44.
Starkov, F.N. - Calculation of an optimum reactor with given inductance. p.47.
Pereselentsev, I.F. - Effect of thermal and vacuum treatment of paper condensers on their electrical and power characteristics. p.48.
Leushin, A.I. - Electrodynamic rotation of molten aluminum in a crystallizer. p.50.

ENERGETICHESKOE STROITEL'STVO, sbornik materialov po obmenu opytom [POWER CONSTRUCTION; Collection of Materials for the Exchange of Experience] Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'stva elektrostantsii SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 33, 1963.

Table of contents translated.
Scientific and technical information should contribute to the solution of new problems in the construction of power systems. p.3.
Granik, G.B. - Design and organization of the construction of thermal electric power plants should be continuously improved. p.7.
Pereiaslavtsev, N.A., and others. - Precast reinforced concrete shells for covering the main housings of thermal electric power plants. p.14.
Posadskii, A.K., Sadovnikov, G.A. - Continous line techniques for manufacturing long units of reinforced concrete structures. p.20.
Krest'ianinov, S.I. - Use of prefabricated concrete structures for the foundation of 100 Mw. turbogenerators. p.20.
Grishko, V.A. - Installation of the head piece of the BKZ-210-140-PT boiler unit. p.32.
Ginzburg, G.M. - Experimental industrial welding of the main steam line without outgoing insert rings in the Yaroslavl Thermal Electric Power Plant No.3. p.39.
Arutiunian, R.N., Buntman, A.D., Shneider, D.G. - New types of wells for vacuum water lowering under complex hydrogeological conditions. p.44.
Gavrilko, V.M., Fedorov, B.S. - Use of porous ceramic filters. p.47.
Volokhov, V.A. - Determination of vibration modes for settling a concrete solution using radioactive isotopes. p.53.
Dmitriev, I.M., Belkin, M.N. - Underground housing of a hydroelectric power station with suspended crane beams. p.59.
Vlasov, A.S. - Operation and maintenance of machinery in construction of hydraulic structures p.62.
Zotin, B.V. - Construction of a power transmission line in the Virgin Territory. p.67.
Reut, M.A. - Compacting forces in centrifuging concrete p.71.
Sudomoikin, V M. - Use of machinery and devices in preparatory and earth moving operations in the construction of overhead power transmission lines. p.74
Lakhtin, B, Raikh, I - Work of the technological council p 79
Goncharov, A - In the technological council of the construction of electric networks and power plants. p 81
Volitskaia, M - Manufacture of prestressed reinforced concrete crane beams. p 82.
Grigor'eva, T. - A mobile painting shop. p.84.
Toolroom of a construction site. p.86.
Zimin, S. - Utilization of the maximum capacity of equipment. p.87.

ENERGOKHOZIAISTVO ZA RUBEZHOM, prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES, Supplement to the Periodical "Electric Power Stations"] Issued by Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House] Moscow, nos. 2-3, Mar - June 1957, nos 2-3, Mar -June 1958, nos. 4, 6, July-Aug., Nov.-Dec. 1962, no. 4, July-Aug 1964

MOSCOW. VSESOIUZNYI ELEKTROTEKHNICHESKII INSTITUT. Trudy [ALL-UNION INSTITUTE OF ELECTRICAL ENGINEERING. Transactions]. No. 71, 1963. [Problems of electrical insulation.]

Table of contents translated
Andrianov, K.A., Asnovich, E.Z - Polynaphthenoalumophenylsiloxanes. p.7.
Andrianov, K.A., Skipetrov, V.V., Kaliakina, A.N. - Study of noncombustible liquids for filling electric transformers. p.13.
Fromberg, M.B. - Rheological properties of organosilicon enamel dyes. p.27.
Golubkov, G.E. - Dependence of electrical and mechanical properties of organosilicon compounds on their composition and structure. p.35.
Volkov, V.A. - Use of mica materials in high-voltage machines. p.121.
Parksheian, Kh.R., Romanov, R.G. - Study of technological and economic indices of performance of the insulation of mass-produced electric motors. p.210.

MOSCOW. VSESOIUZNYI ZAOCHNYI ENERGETICHESKII INSTITUT. Trudy [ALL-UNION CORRESPONDENCE INSTITUTE OF POWER ENGINEERING. Transactions]. No. 20, 1962. [Heat engineering]

Table of contents translated·
Pakshver, V.B. - Schematics of thermal networks of large cities and distribution of heat supply sources. p.3.
Murganov, B.P. - Use of an astatic controller as a regulator "toward itself" with block-type placement of units. p.24.
Rubinshtein, S.F. - Study of the start of an internal combustion engine. p.31
Rachinskii, A.V. - Energy and expenditure of a gas carrying suspended particle. p.44.
Os'minin, IU.P. - Thermal conductivity of mercury. p.55
Korolev, V.K. - New variation of the J-d diagram for wet air. p.62.
Nikolaenko, G.L. - Heat en
of coke oven and blast fu

[illegible]

[illegible] translated
[illegible] p.1.
[illegible] cell, lines [illegible] p.3.
[illegible] p.8.
[illegible] history of [illegible]
[illegible] of a radio amateur club. [illegible]
[illegible] p.12.
[illegible] p.13.
[illegible] medal. p.15.
[illegible] p.16.
[illegible], M. - [illegible] of thin films. [illegible]
[illegible] p.21.
[illegible] electromechanical disc [illegible]
[illegible], A. - [illegible] for "fox hunting" [illegible]
[illegible] devices for 110° [illegible]
[illegible], A., [illegible], M. - Television system for [illegible]
[illegible] protective concrete [illegible]
[illegible] devices. p.24.
[illegible], K., [illegible], I. - 'Mir' radio receiver. p.36.
[illegible], A., [illegible], V. - [illegible] magnetic tape recorder. p.37.
[illegible] recording. p.39.
[illegible] low-frequency amplifier. [illegible]
[illegible] capacitive filter. [illegible]
[illegible] - Transistorized amplitude detectors. [illegible]
[illegible] p.51.
[illegible] generator. p.53.
[illegible], P., [illegible], M. - Indicator for multiprogram broadcasting systems. pp. 56, 59.
Applications of lasers. p.58.
[illegible] the pages of foreign magazines. p.60.
Reference sheet. p.61.
[illegible] consultations. p.63.

RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U S S R.] Moscow, [illegible] 1964

Table of contents translated.

Sakharinov, A.E., Ananov, N.I. - Effectiveness of discrete algorithms in the selection of spatial signals with correlated *noise background*. *p. 1119.*
Fagaev, V.A. - Optimum and quasioptimum filtration of spatial signals with presence of correlated noise. p.1127.
Dagaev, V.A. - Multichannel sequential detection of signals with rectangular lower threshold. p.1136.
Bazanov, IU.N. - Methods for the reception of AM signals with *superimposing frequency* spectra of useful and interfering *signals*. *p. 1149.*
Tsvetnov, V.V. - Comparison of *fluctuation errors* of phase measuring and correlation-type measuring *systems*. p.1159.
Barsukov, K.A. - Theory of a waveguide with a nonstationary filling. p.1173.
Sodin, L.G. - Statistics of a phased antenna array. p.1179.
Beliaustov, A.M., Gaponov, A.V. - Waves with complex propagation constants in coupled transmission lines without energy dissipation. p.1188.
Semenov, N.A. - Wave modes in a surface wave line. p.1193.
Tereshchenko, A.I., Zorkin, A.F. - Ring cavities on waveguides with complex cross sections. p.1206.
Artem'ev, V.N., Kats, L.I. - *Frequency dependence* of the attenuation factor of comb-type delay systems. p.1214.
Shatyrov, A.I. - Amplification of a traveling-wave tube in a mode of continuous and equal current interception of the delay system. p.1223.
Vlasov, A.D. - Contribution to the *theory of nonlaminated* electron stream *focused* by a magnetic field. p.1234.
Vorontsov, IU.L., Poliakov, I.V. - Study of the operation of high-speed *triggers with* tunnel *diodes* using a modeling technique. p.1246.
Logunov, L.A., Rudneva, N.K., Cherniak, *B.D.* - *Inverted diodes.* p.1258.
Zil'berman, P.E. - *Effect of free* charge carriers on the field and *capacitance of a degenerated* p-n junction. p.1270.
Abdullaev, G.B., and others. - Effect of electro-*thermal treatment* on the properties of silicon diodes. p.1281.
Gribnikov, Z.S. - Effect of the collector region on the decay time in a transistor in a common emitter circuit configuration. p.1287.
IAsnopol'skii, N.L., Malysheva, V.S. - Special features of the secondary electron emission of thin films and the Malter effect. p.1293.
Khanovich, I.G. - Quadratures characterizing the interference rejection of communication systems. p.1298.
Gol'dberg, N.I. - Evaluation of the characteristics function of a stationary random process. p.1300.
Zhidko, IU.M. - Optimum antenna lattices for determining the angular coordinate of a target. p.1304.
Minkovich, B.M. - More about the design of antennas with plane apertures. p.1308.
Kaplun, V.A. - Calculation of the phase variation of a wave having passed through a dielectric layer with a reactive array. p.1311.
Liapunov, N.V., Borodavko, IU.M., Zaitsev, A.E. - *Inductive diaphragms* in H and P type waveguides. *p.1313.*
Rapoport, G.N., Bondarenko, R.N., Gladyshev, G.I. - Clarification of a formula for determining the specific inductive capacitance of samples using a *resonance frequency shifting* technique. p.1319.
Shirokov, E.G. - Field emission of a system of tungsten wedges. p.1320.
V.I. Suforov, on his 60th birthday. p.1322.

REFERATIVNYI ZHURNAL AVTOMATIKA, TELEMEKHANIKA I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S R] Moscow, no 8, Aug 1964.

REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S.R] Moscow, no 8, Aug 1964.

REFERATIVNYI ZHURNAL ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S.S.R], Moscow, no 7, July 1964.

REFERATIVNYI ZHURNAL: IADERNYE REAKTORY (Otdel'nyi vypusk 50) [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate Issue 50)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the *Academy of* Sciences of the U S.S.R] *Moscow, no.8,* Aug. 1964.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND *TELECOMMUNICATION*] Issued by Institut nauchnoi informatsii Akademii nauk *SSSR* [Institute of Scientific Information *of the Academy of* Sciences of the U.S.S.R.]. Moscow, nos. 7-8, July-Aug 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]. *Moscow, vol. 7, no. 6,* June 1964.

Table of contents translated:

Ledianskin, D.P., Ageev, A.I. - Experimental determination of the frequency characteristics of synchronous machines. p.1.
Ivashev, V.V., and others. - Connection of *automatic* internal overvoltage registers to high-voltage networks. p.8.
Okorokov, V.R. - Evaluation of the economic *effectiveness* of decreasing insulation reserves of power *transformers*. p.16.
Rafushkin, V.A. - Design of a static electromagnetic *frequency* doubler with optimum parameters for operation with a complex load taking *into account* upper flow and current harmonics. p.23.
Ivanov-Smolenskii, A.V., Tomolan, G.S. - Similitude *criteria of* magnetohydrodynamic *effects* and electromagnetic power losses in a layer of conductive *medium between* the rotor and stator of an asynchronous motor. *p.32.*
Levintov, S.D., Kravtsov, N.IA. - *Loads of the* electric drives of the auxiliary mechanisms of a blooming *mill. p.40.*
Mamed-Zade, *M.S. - Study* of the operation of an asynchronous *motor as an* artificial load. p.47.
Andriushchenko, A.I., and others. - Thermodynamic *calculation* technique of the optimum parameters of the gas section *of binary* steam and gas systems. p.54.
Kolts, G. - Optimum value of the calculational hourly central heating coefficient in HNR systems. p.61.
Epik, I P., Taal', Kh. P. - Study of the volatilization of shale ash in a reducing medium at high temperatures. p.70.
Nikitenko, N.I. - Method for calculating the nonstationary field of velocities and pressures in a liquid flow. p.76.
Zaitseva, N K. - Analytic relationships for calculating heaters with steam heat carriers. p.82.
Pustovoit, B.V - Pressure losses in transient and turbulent motion of liquids in circular pipes. p.87.
Koida, N.U. - Variation method for the thermal calculation of pipelines using electronic digital computers. p.93.
Altunina, Z.E. - Determination of active resistances in the equivalent circuits of three-winding transformers. p.97.
Rozhavskii, S.M. - General method for the probability evaluation of the duration of nonsymmetry in the busbars of transformer substations feeding single-phase transmission lines in a "single-wire and ground" system. p.101.
Sokolov, IU.P. - Determination of the water flow-in factor in single-pipe heating systems with closing sectors in variable operation. p.105.
Men', P.G., IAnchenko, V.F. - Distribution of cooling water in condenser tubes of the K-100-90 LMZ turbine. p.109.
Kovalev, V.V., Naumkin, I.IA., Larionov, B.A. - Effect of the nature of moisture distribution on the magnitude of general thermal heat transmission resistance. p.113.
Sokolov, IU.N. - Some special features related to the use of the system of measurement units in hydrogasdynamics. p.116.
Machinskii, M.V. - Equivalent circuits of a multiple unit system with automatic control according to individual and group parameters. p.120.
Reply to V.M. Matiukhin's *remarks. p.122.*
V.I. Tolubinskii; on his 60th birthday. p.123.

Vol. 7, no. 7, July 1964.

Table of contents translated:

Aleksandrov, G.N. - New trends in the development of high-voltage technology. p.1.
Smortin, N.T. - Use of transient processes of linear four-terminal networks in constructing protection systems with dependent characteristic. p.7.
Stepanchuk, K.F. - Effect of an electric field on the solubility *of gases in a liquid. p.13.*
Khusainov, Sh.N. - Topographic diagrams of currents. p.19.
Automation of power supply units with 100 kv.-n. ratings. p.23.
Sozonov, V.G. - Operational indices of an electric drive with triangular *speed graph* and deviation of the reducing *mechanism* from an optimum ratio. p.28.
Lapshov, V.N., Poniatov, V.A. - Determination of the *optimum outflow* speed of gases in large steam and gas systems. *p.34.*
Emel'ianov, V.A., *Kliuchnikov, A.D.* - Analysis of heat conditions in the thermal treatment *of a material* in a smelting cyclone. p.41.
Sidel'kovskii, L.N., Shchevelev, V.N., Kukhanovich, A.I. - *Study* of laws governing surface erosion in a fluidized bed. *p.48.*
Sliboditaniuk, L.I., *Sonkdetskii*, A.A. - Determination of the heat resistance of single and multilayer *materials in a three-dimensional* thermal flow. p.54.
Lagutkin, O.D. - *Thermodynamic* data on a wide *range of temperatures* and pressures of octafluorocyclo*butane. p.60.*
Garbovskii, E.A. - Hydraulic calculation of the prin*cipal elements* of runoff regulatory *reservoirs of a hydroelectric* power station with *pressureless derivation.* p.66.
Emtsev, D.T. - Slowing down of open currents. p.74.
Anisimova, N.D. - Use of analog computers *in the study* of electromagnetic and electromechanical instability *of* an electrical system. *p.80.*
Novash, V.I., Ruminatsev, IU.G. - Consideration of air *gaps in* joints in the calculation of the parameters of fused magnetic circuits. *p.84.*
Fedorova, I.A. - Effect of some chemical *industries on the static* characteristics of network junctions of electric power systems. p.86.
Khodzhaev, M.N. - Thunderstorms in Daghestan. p.92.
Pintal', IU.S. - Dissolution of gaseous *inclusions in* mineral transformer oil. p.95.
Noskov, A.I., Rotash, V.IA. - Approximation of the time *characteristics of* an object using an aperiodic first-order link *with delay.* p.99.
Markovich, E.E. - *Effect of the* banding on the mechanical losses due to moisture in a turbine *stage. p.103.*
Ershov, IU.G. - Drying of tube fibers in liquid media. p.104.
Mikhailov, V.D., *Abramov*, A.I. - Determination of critical thermal *currents during* the boiling of monoisopropylbiphenyl in a pipe. p.108.

Ipatenko, A.IA. - Efficiency of pipelines. p.111.
V.P.Gur'ev; obituary. p.113.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i

Engineering]. Moscow, vol.7, no.2, Mar.-Apr. 1964.
Table of contents translated:
Budnikova, N.P., Sinitsyn, N.I., Shevchik, V.N. - Effect of beam current decrease along a delay system on the operation of backward-wave and traveling-wave tubes. p.131.
Panchenko, V.S. - Nomograms for determining the module and phase of the reflection coefficients of radio waves. p.139.
IAmalkin, V.E. - Nomogram for calculating the parameters of a linear array of radiators. p.147.
Kozelev, A.I., Matveev, R.F. - Measurement of H_{01} wave losses in multiwave waveguide lines using a pulse train technique. p.154.
Radin, IU.P. - Calculation of a cylindrical nonuniformity of a waveguide. p.164.
Bobrovnikov, M.S., Mironov, V.L., Smirnov, V.P. - Excitation of surface waves by discretely distributed nonprotruding sources. p.171.
Kurilin, B.I. - Calculation of composite oscillatory systems. p.180.
Grankin, I.M., Larkin, IU.F. - Characteristics of some ferrite microwave phase shifters. p.186.
Shevchenko, V.I., Murav'ev, V.V. - Effect of the fill factor coefficient of the transit channel on the efficiency of a traveling-wave tube. p.191.
Lizhdvoi, K.IA. - Methods for measuring the coupling impedance of a delay system using a dielectric probe. p.200.
Gutteait, E.M. - Parameter diagrams of tuned amplifiers. p.205.
Burlak, V.S. - Calculation of the coupling of rectangular multiwave waveguides. p.212.
Sidorenko, V.V., Volkov, V.M. - Derivation of a logarithmic amplitude response characteristics in a transistor video amplifier. p.220.
Gantsev, V.A. - Contribution to the theory of a two-stage transistor amplifier with parallel feedback. p.229.
Pizio, A.S. - Contribution to the theory of electromechanical bypass converters. p.237.
Veselkov, G.P. - Experimental study of the frequency dependence of a circulator magnetizing current. p.241.
Vasil'ev, G.N., Seregina, A.R., Kamnev, V.G. - Axisymmetrical excitation of a cone with finite length. p.243.
Belov, N.E. - Calculation of microwave devices with tubular beams. p.246.
Molebnyi, V.V. - Coincidence circuit for studying rapidly varying phase relationships. p.248.
Rapaport, G.N., Andrushko, L.M. - Theory of matching regular and septate waveguides. p.250.
Valitov, R.A., Domanova, E.A., TSarenko, V.T. - Broadband waveguide power stabilizer. p.253.
Gerasimov, S.M. - Review of I.P. Stepanenko's book "Principles of the theory of transistors and transistor circuits." p.257.
V.N.Kessenikh; on his sixtieth birthday and the fortieth anniversary of his theoretical and educational work. p.258.

SVERDLOVSK. URAL'SKII ELEKTROMEKHANICHESKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [URAL ELECTROMECHANICAL INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. No.5, 1962. [Problems of the electrification of railroads.]
Table of contents translated:
Plekhanov, M.E. - Campaign of the CPSU for the electrification of railroad transportation. p.3.
Kabanov, V.A. - Analytical method for determining the maximum traffic volume of an electrified section. p.15.
Urmanov, R.N. - Electric conversion circuit for a unit composed of series connected transformers with counter connection of the winding coils. p.24.
Pavlov, I.F., Urmanov, R.N. - Transformer with a smooth contactless regulation of voltage under load conditions. p.34.
Vetlugin, E.M., Urmanov, R.N. - Smooth voltage regulation of power transformers under load conditions by means of saturation choke coils. p.44.
Sonin, IU.P. - Valve type repulsion motor. p.56.
Kavanov, V.N. - Approximation method for calculating the equivalent inductance of a traction motor under cutout conditions. p.67.
Diad'kov, A.M., Kuimov, V.I. - Traction characteristics of electric locomotives with compound excitation. p.78.
Zonov, V.I. - Physical processes in the power circuits of an electric locomotive with compound excitation traction motors occurring under transient conditions. p.91.
Kuimov, V.I. - Characteristics of the performance of compound excitation motors under the conditions of an attenuated field. p.103.
Diad'kov, A.M. - Roller station for stationary testing of electric locomotives. p.115.
Levin, I.G., Nikiforov, B.D. - Determining the coefficient of braking in a moving train. p.127.

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD] Moscow, no 7, July 1964.

f. INDUSTRIES & TRADES

AKADEMIIA NAUK URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S R. Institute of Electric Welding. Automatic Welding]. Kiev, vol.17, no 7(136), July 1964.
Table of contents translated·
Erokhin, A.A., Kuznetsov, O.M. - Increasing weld metal resistance to the formation of hot cracks. p.2.
Prokhorov, N.N., Arutiunova, I.A. - Quantitative test specimens for the determination of the technological strength of metals in the crystallization process. p.6.
Razikov, M.I., Milichenko, S.L. - Effect of titanium on the properties and weldability of chromium-manganese cavitation-resistant steel. p.11.
Marchenko, A.E., and others. - Strength of welded joints in 09G2 steel. p.20.
Kazimirov, A.A., Meshkov, V.V. - Approximation method of calculating conditions of three-electrode automatic butt welding. p.25.
Sterenbogen, IU.A., Khorunov, V.Kh. - Effect of the cooling rate on the structure of cast iron during its mechanized welding with a powder wire. p.30.
Tylkin, M.A. - Heat-resistance and weld-resistance of deposited metal. p.36.
Zagrebniuk, S.D. - Investigating the double arc welding under flux of thick titanium. p.44.
Lakomskii, V.I., Tikhonovskii, A.L. - Vaporization of metal during its melting with an electron beam. p.50.
Glebov, L.V. - Calculating the inductance of secondary circuits of resistance welding machines. p.54.
Paton, V.E., Egorov, S.V., Bel'for, M.G. - Type TS-34 welding tractor for the welding of girth joints. p.58.
Khmel'nitskii, G.I. - Automatic welding of longitudinal bearers in the frame of freight cars. p.61.
Litvinchuk, M.D., Dugel'nyi, I.S. - Universal, 63-ton capacity manipulator, for hard facing and welding. p.64.
Kuchuk-IAtsenko, S.I., Cherednichok, V.T. - Welding of nonstandard rolled products is a potential for increasing the output of marketable merchandize. p.67.
Krivonos, V.P. - Prevention of short circuiting in the flash welding process. p.75.
Fal'kevich, A.S., Mangasarov, R.A. - Efficient conditions for the use of carbon dioxide cylinders. p.77.
Donskoi, O.V., Chemadurova, E.IU., IAkovleva, G.N. - Effect of electrohydraulic treatment on the tendency toward intergranular corrosion of OKh18N10T steel pipe. p.79.
Shaerman, M.R. - Methods of determining the degree of mechanization of welding operations in shipbuilding. p.83.
Mandel'berg, S.L., Kushnirenko, B.N. - Determining the structural strength of welds in thin-sheet, high-strength hardenable steel. p.90.
Zrazhevskii, V.A. - Experiments in obtaining an electron beam with the help of a hollow, cold cathode. p.91.
Ponomarev, A.A. - Conference on ultrasonic testing. p.93.
Sharapov, IU.V. - Fifteenth final session on welding held in Leningrad. p.93.
Kuklin, A.S. - In the Commission on the Quality Control of Welds and Hard Faced Parts. p.94.
Pisklich, V.D. - Third conference on welding held in the Baltic region. p.95.
Nikiforov, G.D., Bobrov, G.V. - Improving the qualification of welding engineers. p.96.

ASTRAKHAN. TEKHNICHESKII INSTITUT RYBNOI PROMYSHLENNOSTI I KHOZIAISTVA. Trudy [TECHNICAL INSTITUTE OF FISHERIES. Transactions]. No.8, 1962.
Table of contents translated:
TSvetkova, N.K., Budnikova, N.K. - Study on the carbohydrate composition of mustard cakes by the chromatographic method. p.3.
TSvetkova, N.K., Budnikova, N.K. - Determination of fatty monobasic and dibasic acids in the mustard cake by the paper chromatography method. p.9.
TSvetkova, N.K. - Study on the interaction between secondary aromatic amines and aromatic nitro compounds by methods of physicochemical analysis. p.14.
Cherkesov, A.I., Zhigalkina, T.S. - 3-oxy-2-naphthoic acid as a colorimetric and fluorescent reagent. p.25.
Zhigalkina, T.S., Cherkesov, A.I. - Study in the field of the analytic use of halochromism in azo dyes. p.50.
Cherkesov, A.I., and others. - Use of gallein for the photometric determination of bismuth. p.74.
Aleksandrovich-Mel'nikova, A.S., Khramova, S.N. - Hematoxylin as a specific reagent to bismuth. p.82.
Aleksandrovich-Mel'nikova, A.S., Zhigalkina, T.S. - Trilonometric determination of copper and nickel with the help of fumaric acid-pyridine precipitator. p.89.
Cherkesov, A.I., Aleksandrovich-Mel'nikova, A.S. - Complexonometric determination of copper in minerals by the metal indicator hematoxylin. p.97.
Aleksandrovich-Mel'nikova, A.S., Sorokina, M.I. - Determination of the hardness of table salt, used salt and brine. p.104.
Aleksandrovich-Mel'nikova, A.S. - Foundations of quick methods for the analysis of detergents. p.113.
Zhigalkina, T.S., Lev, R.S., Cherkesov, A.I. - Volumetric method for determining the microgram quantities of chromium. p.123.

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol.8, no.7, July 1964.
Table of contents translated:
Polishchuk, G.F., Khinkis, L.A. - Zhitomir bakery, an enterprise of communist labor. p.1.
Koz'mina, N.P. - Urgent problems concerning the improvement of flour quality. p.4.
Kibrik, E.D., Rychkov, A.I., Lebedev, K.I. - Heat exchange process in the thickening of sugar solutions in a film evaporating apparatus. p.6.
Lur'e, I.S., Obruchkov, S.A., IAgubets, A.N. - Instrument for measuring moisture content of caramel mass. p.12.
Mokhnachev, I.G., Pershakova, N.I. - Production and use of alcohol solutions of annato dyestuff. p.16.
Gus'kov, K.P., Kalinin, IU.V. - Effect of pressure on the viscosity and limit shear stress of macaroni dough. p.18.
Belova, L.D. - Effect of potassium on the yield and quality of yeast. p.21.
Vasil'ev, V.V. - Use mathematical methods in planning work. p.24.
Petrov, I.F. - Methods for the distribution of overhead expenses. p.28.
Lozenko, S.G. - Operative and production planning in the "K.Marks" Confectionery Factory. p.29.
Seferov, S.I., Irkha, I.S., IAkhontova, M.P. - Use of whey in bread making. p.30.
Pal, S.A., and others. - Improved "Kuzbass" dough divider. p.34.
Druzhkov, M.S. - Preparation of invert syrup. p.37.
Poliakov, E.S. - Design of macaroni press screw. p.38.
Kurtin, V.IA. - Improve economics, introduce new technology. p.39.
Mankeeva, N.A. - Courses for improving the skills of workers in the laboratories and technical control divisions of macaroni factories. p.42.
Morozenko, G.P. - Device for maintaining the water level in tanks. p.43.
New developments in foreign technology; candy molding machines. p.44.

KOZHEVENNO-OBUVNAIA PROMYSHLENNOST' [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie NTO legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol.6, no.7, July 1964.
Table of contents translated:
Faminskii, P.P. - Basic trends of the technological progress in light industries for the period from 1966 to 1970. p.1.
Lev, M.V. - Technological and organizational bases for the improvement of footwear quality. p.4.
Morozov, B.N. - Potentials for the growth of labor productivity in the leather industry of the Volga-Vyatka Economic Region. p.7.
Komarova, V.R. - Shoe styles for the 1964 - 1965 season. p.11.
Kutsidi, D.A., Strakhov, I.P. - Effect of melamine-formaldehyde resins on the wear resistance of leather. p.15.
Bernshtein, M.Kh., and others. - Artificial leather in rolls with a nonwoven base for the shoe uppers of summer footwear. p.20.

// 181-16

[illegible] V.I., [illegible] I.P. - Use of [illegible] silicate [illegible] latex. p.21.

[illegible], M[illegible]ler, E.A., Kondratenko, N.P. - [illegible] of acoustic vibrations for the [illegible] tons. p.27.

[illegible] manufacture, [illegible]

[illegible], A.A. - [illegible] Factory on the road of [illegible] p.32.

[illegible] skins by A.N. [illegible] p.[illegible]

[illegible], P.G., [illegible], S.I. - Economics of the [illegible] A.M. Gornostai-Pol'skii, L.I. [illegible] p.4[illegible]

[illegible] - Readers' comments on the journal. p.4[illegible]

[illegible] ISSLEDOVATEL'SKII INSTITUT MOLOCHNOI PROMYSHLENNOSTI. [illegible] [ALL-UNION SCIENTIFIC [illegible] INSTITUTE OF THE DAIRY INDUSTRY. [illegible] Papers]. No 4, [illegible]

Table of contents translated:

Foreword. p.3.

[illegible], [illegible] IA., Meleshin, V.A., Korenblat, L.B. - New equipment for the manufacture of butter with the continuous production line method. p.4.

Zheltakov, A.I., Shutova, L.V. - Technological flow sheet for making butter with the Meleshin method. p.5.

Titov, A.I., Kulasina, I.I. - Analysis of the quality and keeping properties of creamery butter manufactured with the Meleshin method. p.11.

D'iachenko, P.F., Godel', A.G. - Protein and phosphatide composition of creamery butter made with the Meleshin method. p.16.

Strik, V.I., Godel', A.G., Titov, A.I. - Studying the factors affecting the keeping quality of butter during storage. p.20.

Bogdanov, V.M., Sherstneva, V.I. - Improved technology for the production of cultured butter. p.23.

Sherstneva, V.I. - Studying some factors which determine the taste, flavor and keeping quality of cultured butter. p.25.

Zheltakov, A.I. - *Manufacture of butter* on buttermaking apparatus with continuous action (from the experience of progressive foremen). p.29.

Bogdanov, V.M., Maksimova, A.K. - Preparation of dry yeast cultures and liquid starter. p.30.

Bogdanov, V.M. - Isolation of diacetyl forming Str. *lactis. p.33.*

Maksimova, A.K. - Studying the biochemical properties of Str. lactis. p.35.

Romanovich, T.G. - Use of antibiotics in the diary industry. *p.45.*

Feoktistov, A.M., Vasil'eva, A.F. - Improved methodology for establishing technological work norms in butter and cheese *manufacturing plants. p.49.*

Semenov, S.I., Mochalov, S.V. - Analysis of the production costs of creamery butter and ways for their reduction. p.53.

Demurov, M.G. - Improvement and intensification of the technology for the production of dietetic cultured dairy products. p.59.

Miliutina, L.A. - Use of plastic cream for making sour cream and other dairy products. p.66.

Butin, V.I., Krasnozhen, E.A. - Improving the technology for the manufacture of soft cream cheese. p.69.

D'iachenko, P.F., Vlodavets, I.N., Zhdanova, E.A. - New method for the isolation of casein from skimmed milk. p.73.

Strakhov, V.V. - Continuous production method for the manufacture of sweetened condensed milk. p.76.

Kivenko, S.F., Karunina, L.A. - Quality of sweetened condensed milk and dry whole milk. p.78.

Kivenko, S.V., Boiko, N.N. - Centrifuge method for the purification of sugar syrup. p.81.

Kivenko, S.F., Favstova, V.N. - Improved system for the cooling of sweetened condensed milk in horizontal and vertical type vacuum coolers. p.82.

Kivenko, S.F., Karunina, L.A. - Effect of milk cow feeding with fermented bagasse on the quality of sweetened condensed milk. p.83.

Zheltakov, A.I., Shtal'berg, S.M. - New methods for *packaging* dairy products. p.86.

Shtal'berg, S.M., Orlova, L.A. - Preconcentration of milk in the milk plants. p.89.

Brio, N.P., Romanovich, T.G. - Development of the instruction for the technical, chemical and bacteriological control in butter and cheese making factories. p.94.

Shilovich, M.K. - Studying the chemical composition of some dairy products. p.95.

Shilovich, M.K., *Korallova, O.P.* - Methodology of the analysis of sour cream and cottage cheese for determining the pasteurization of the initial *raw product.* p.97.

Godel', A.G. - Norms for losses and measures for reducing the pollution of the waste waters in dairy plants. p.99.

Vasil'eva, A.F. - Specification of raw product losses in the manufacture of dried and condensed skim milk. p.102.

Mazokhina, N.A., Krasnozhen, E.A. - Reducing the losses in the production of creamed and skim milk cottage cheese and improving its quality. p.108.

Butin, V.I., Krasnozhen, E.A. - Reducing the losses of sour cream and cottage cheese during railroad transportation. p.115.

OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. *Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po torgovle* [State Committee of the Council of Ministers of the U.S.S.R. *for Commerce*]. *Moscow, no. 7, July 1964.*

REFERATIVNYI ZHURNAL LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 8, Aug 1964. [This journal is also issued in parts]

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] Higher Learning, Technology of the Textile Industry]. Moscow, no. 6(37), 1963.

Table of contents translated:

Pavlov, A.P. - Preparation of materials for the compilation of the technical, industrial and financial plan of a textile factory on the electronic calculating machine. p.3.

Kattakhodzhaev, M.M. - Analyzing labor expenditure in the winding sections of cotton factories. p.11.

Felman, I.I. - Comparison analysis of the formulas proposed for the calculation of the strength of acetate and viscose yarns. p.18.

Modestova, T.A., Buzov, B.A. - Changes occurring in the geometry of fabrics during stretching. p.22.

Semak, B.D. - Studying the physicomechanical properties of summer dress fabrics of various fiber composition. p.29.

Leites, L.G., Zhil'tsova, G.V., Tikhomirova, V.I. - Fulling and pile as a factor for fabric protection *against weathering.* p.36.

Makarova, N.F. - Efficient system for drying kenaf fibers. p.40.

Usenko, V.A. - Use and processing of synthetic fibers in the textile industry. p.48.

Buturovich, I.Kh. - Device for testing the layer of fibers on the main carding cylinder. p.55.

Budnikov, V.I. - Characteristics of continuous production lines for spinning. p.63.

Ashnin, N.M., Truevtsov, N.I. - Regulation of the *doffer* comb for the production of the most uniform doffer web. p.68.

Belov, M.F. - Fields of friction forces and the drafting force in a zone of drawing with a curved field. *p.75.*

Chemagina, P.F. - Burlap fabrics with a new structure and their service characteristics. p.87.

Ovisyn, N.K. - Determining the initial data for the design of the cam shedding mechanism. p.95.

Zolotarevskii, L.T. - Effect of the mechanical actions in weaving on the changes in the technological properties of the warp. p.105.

Makhkamov, K., and others. - Development of methods to increase the light-fastness of cotton and acetate-cellulose fabrics. p.112.

Mel'nikov, B.N., Kirillova, M.N., Moryganov, P.V. - Microphotometric method for studying the diffusion of dyes in a cellophane film. p.118.

Volodina, L.A., and others. - Spectrophotometric *analysis* of the selectivity of direct dyes by staple fabrics. p.124.

Balashova, T.D., Sadov, F.I. - Studying the removal of hydrolized active dyes from dyed cellulose fibers. Report No. 2. p.130.

Khavkin, V.P., Molchanov, A.S. - Transmission functions of the drafter. Report No. 2. p.136.

Vishniakov, A.V. - Design and calculation of the *fluff* catcher system with individual nozzles for spinning machines. p.146.

Rebarbar, IA.M., Galynker, E.I. - Using the *theory of* image recognition for the automatic programming from a pattern in jacquard weaving. p.152.

Grishin, A.I. - Design and study of the picking mechanism of shuttle looms. p.159.

Gladkikh, N.IA. - Experimental testing of the winding mechanisms with a piston hydraulic drive. p.168.

Veselov, L.A. - Parameters of the tangential rolling of the cylinder pedestals of flax spinning machines. p.176.

Results of the Scientific Interuniversity Conference on the Development and Introduction of Efficient Methods for the *Processing of Synthetic* Fibers. p.184.

Nikolai Ivanovich Truevtsev; on the occasion of his sixtieth birthday. p.187.

List of articles published in the No.1 to No.6 issues of the journal. p.188.

SHVEINAIA PROMYSHLENNOST' [CLOTHING INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, no. 2, Mar.-Apr. 1964.

Table of contents translated:

Gozenpud, IU.IU. - Four hundredth anniversary of Russian book printing. p.1.

Ruzhentsev, A.S., Sholud'ko, A.G. - Improving the quality of the temperature regulation of the working surfaces of the ironing press pads. p.4.

Diablova, L.D. - Parameters of the technological steam for the moistening of fabrics during pressing. p.7.

Morozovskaia, I.S. - Characteristics of fabrics made with Zantrel polynosic fibers. p.10.

Mikhailova, M.S., Shan'gina, V.F. - Use of porolon lined fabrics for the manufacture of outerwear garments. p.13.

Katsnel'son, N.I. - Two years of work of the "Volodarskoi" *Clothing Combine in Odessa.* p.16.

Vakhrin, P.I. - Strengthening the links between the clothing industry and commerce is a most important task of the national economy. p.19.

Gopko, V.F., Gorenbein, A.E. - Specialization and cooperation of the clothing industry in Transcaucasia. p.22.

Novikov, N.S - Experience in the partial mechanization of the "Bol'shevichka" Clothing Factory in Leningrad. p.26.

IAnchenkov, N.N. - Mechanization of the loading into and unloading from containers of some types of clothing. p.27.

Rozenberg, I.A. - Decrease of individual cutting of fabrics in mass production. p.29.

Anoshina, Z.I. - Use of artificial leather in the manufacture of clothing. p.31.

From readers' letters. p.32.

Review and bibliography. p.33.

Advice to the writers of articles. p.34.

Information. p.37.

SLUZHBA BYTA [SERVICE INDUSTRIES]. Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TSK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R.S.F.S.R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 2, no. 8, Aug. 1964.

8. MECHANICAL ENGINEERING

AKADEMIIA NAUK SSSR. *Izvestiia.* Mekhanika i mashinostroenie [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mechanics and Machine Building]. Moscow, no. 4, July-Aug. 1964.

Table of contents translated:

To Academician A.A. Blagonravov *(on the occasion of* his 70th birthday and the 35th anniversary of his scientific, pedagogical and public work). *p.3.*

Sapunkov, IA.G. - Hypersonic equilibrium gas flow about a circular cone at the angle of attack. p.4.

Gilinskii, S.M., Telenin, G.F., *Tinlakov, G.P.* - Method for calculating a supersonic flow about blunt bodies with a detached shock wave. *p.9.*

Shvets, A.I. - Supersonic flow about ellipsoids. p.29.

Entov, V.M. - Approximate solution of plane radial problems of unsteady-state *flow. p.33.*

Abon, Kh.K. - Investigation of three-dimensional photoelastic models. *p.40.*

Tiumanok, N.A. - Axisymmetric unsteady motion of a zero-torque circular cylindrical shell under the action of a moving *load. p.47.*

Kostrov, B.V. - Self-similar dynamic problems of the embedding of a rigid punch in an elastic semispace. p.54.

Kachanov, L.M. - Creep of anisotropic solids. p.63.

Bykovtsev, G.I., *Semykina, T.D.* - *Viscoplastic flow* of circular plates and shells of revolution. p.68.

Ivlev, *D.D.*, *Listrova*, IU.P., Nemirovskii, IU.V. - Theory of the limiting state of laminated plates and shells of revolution. *p.77.*

Bugakov, I.I. - Theory of the creep of metals taking the hardening into consideration. p.87.

Arutiunian, R.A. - Cyclic loading of an elastoplastic medium. p.89.

Golub, V.K. - Bending of a circular plate of variable rigidity supported by a flexible foundation and in the presence of cohesion. p.92.

Rozin, L.A. - Boundary deformation conditions in the *theory of elasticity.* p.96.

Prusov, I.A. - A solution of the first and second basic problems in the theory of elasticity for a strip lying on an elastic semiplane. p.102.
Livshits, P.Z. - Stressed state in an elastic cylinder loaded with tangential forces along the side surface. p.105.
Kabanov, V.V. - Stability of a circular cylindrical sandwich shell under a nonuniform compression. p.116.
Filippov, A.P. - Dynamic action of a load and harmonic force moving with a constant speed on a hinged beam. p.120.
Glazman, I.M., Shteinvol'f, L.I. - Eliminating natural frequencies from the resonantly unsafe zone of a vibration system by means of the variation of its parameters. p.126.
Bagin, V.M. - Hollow vortex in a channel. p.129.
Maksimov, S.P. - Experimental investigation of natural vibrations of a rotor in sliding bearings. p.133.
Serebriakova, N.N. - Dynamic model of a clock on a vibrating platform. p.140.
Klimov, D.M. - Motion of a highly damped pendulum on a vibrating foundation. p.142.
Kuzovkov, N.T. - Damped gyroscopic pendulum without ballistic deviations. p.143.
Slezkin, L.N. - Effect of the inertness of rings of a gimbal suspension on the motion of a gyroscopic integrator of linear accelerations. p.145.
Murzinov, I.N. - Temperature profiles in bodies moving at high altitudes with hypersonic speeds. p.146.
D'iakonov, IU.N. - Three dimensional flow of a supersonic perfect gas stream about blunt bodies. p.150.
Shakhnov, I.F. - Supersonic nonadiabatic perfect gas flow about a flat plate. p.154.
Belotserkovskii, S.M., Kudriavtseva, N.A., Tabachnikov, V.G. - Experimental investigation of some principles in the nonstationary theory for airfoils of finite span. p.157.
Semenov, E.V. - A problem in the hydrodynamic theory of stability in case of a varying viscosity. p.161.
Loitsianskaia, I.L. - Theoretical calculation of geometrical parameters of cascades of profiles used in reversible turbogenerator units. p.165.
IAkovlevskii, O.V. - Approximate solution of jet problems. p.169.
Sergeev, S.I. - Carrying capacity of a layer of gas or a cavitating fluid. p.172.
Zolotarev, P.P. - Propagation of weak perturbances in mixtures. p.176.
Bogomolova, A.F., Glazova, V.M. - Studying the mobility of residual water in a laminated porous medium. p.180.
Chilap, A.IA. - Determining the fields of pressure in a striated blockwise nonuniform layer. p.185.
Aivazian, O.M. - Modern theory of hydraulic resistance of waterways and the experimental data. p.190.
On N.A.Kartvelishvili's comments "Errors in the determination of the probability of stability disturbance for some dynamic systems." p.195.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet tiazhelogo, energeticheskogo i transportnogo mashinostroeniia pri Gosplane SSSR [State Committee for the Manufacture of Heavy, Power, and Transportation Machinery, Attached to the State Planning Committee of the U.S.S.R.]. Leningrad, vol.10, no.5, May 1964

Table of contents translated:
Biman, V.M. - Experience in designing and operating once-through type boilers for blocks with 150, 200, and 300 Mw. ratings. p.1.
Korzh, P.I., and others. - Study of the nonsteady mode of operation of a cooled disc rotor of a gas turbine. p.6.
Antuf'ev, V.M. - Comparative tests of convective surfaces based on their power characteristics. p.9.
Orakhelashvili, M.M. - Theory of a load-throwing disc of a Francis-type hydraulic turbine. p.13.
Ishutinov, D.V. - Calculation of velocity fields in the rotor wheel of a compressor. p.17.
Nekhendzi, E.IU., Egorman, V.N. - Measurement of thermal stresses in a welded diversified shaft using high-temperature tensiometers. p.19.
Berman, L.D., Tumanov, IU.A. - Effect of the velocity of steam on the mechanism and intensity of heat exchange with pellicular condensation on a horizontal pipe. p.24.
Khaibullin, I.Kh. - Ejection of ferric oxide saturated with water vapor with high parameters. p.28.
Bashirov, R.M. - Some problems concerning a fuel supply system with plunger-type accumulators. p.31.
Blium, E.E., Levitin, V.V. - Resistance of stainless steel to cavitation wear and sand erosion. p.34.
Levchenko, B.L., and others. - Study of tightening stresses in turbine pins using high-temperature tensiometers. p.37.
Ivanov, G.I. - Approximation method for calculating the operational range of a centrifugal compressor with regulated blade diffusers. p.40.
Demb, V.S. - Calculation of the displacement of intermediate points in a pipeline during the change of the external load. p 43.
Gal'perin, M.I. - Gate mechanism of a hydraulic turbine for the Krasnoiarsk Hydroelectric Power Station. p.45.
Linetskii, Sh.M. - Special structural features of modern steam turbines manufactured by the "AEG" firm. p.46.
Ponarskii, L.I. - Work of the Central Scientific Research Institute for Boilers and Turbines. p.48.

* INZHENERNYI ZHURNAL [ENGINEERING JOURNAL]. Organ of Otdelenie tekhnicheskikh nauk and Institut mekhaniki Akademii nauk SSSR [Department of Technological Sciences and the Institute of Mechanics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.4, no.2, 1964.

Table of contents translated:
Kosmodem'ianskii, V.A. - Design of stage rockets. p.219.
Mindlin, I.M. - Motion stability of a heavy body of revolution on a horizontal plane. p.225.
Zhigulev, V.N. - Motion equations for a nonequilibrium medium taking radiation into consideration. p.231.
Bazzhin, A.P. - Calculating the flow near the lower surface of delta wings at high incidence. p.242.
Neiland, V.IA., Sokolov, L.A. - Bottom pressure beyond the wedge at the angle of attack in a supersonic gas flow. p.247.
Shakhov, E.M. - Integral equations for the problem of unsteady ablation of glassy materials. p.251.
Sirotkin, IA.A. - Formulation of two-dimensional problems of a vortex flow of the compressible fluid in turbomachines. p.254.
Vol'mir, A.S., Kil'dibekov, I.G. - Linear theory of the stability of cylindrical shells. p.263.
Faerberg, I.I. - Bending of an orthotropic elliptic plate freely supported along the contour. p.266.
Makhovikov, V.I. - Solution of the three-dimensional problem in the theory of elasticity for a cylinder. p.268.
Perlin, P.I. - Solution of the first fundamental axisymmetric problem in the theory of elasticity for an area limited by an ellipsoid and a sphere. p.275.
Geogdzhaev, V.O. - An elastoplastic problem for an orthotropic semi-space. p.281.
Danilovskaia, V.I. - Exact statement of a problem in thermoelasticity. p.290.
Kotliar, S.M. - Thermoelasticity of a plane-parallel layer. p.297.
Sviatodukh, V.K. - Motion equations for an axisymmetric rocket in cylindrical coordinates. p.302.
Duvakin, A.P. - Motion of a gyroscopic frame. p.309.
Shkenev, IU.S. - Gyroscopic system with an infinite number of the degrees of freedom. p.314.
Staniukovich, K.P. - Approximate method of integrating equations for plane potential gas flow. p.318.
Chukanova, T.I. - Approximate integration of equations for plane vortex gas flow. p.321.
Fadeev, S.I. - Problem on a piston in a uniformly deforming medium. p.325.
Teterin, M.P. - Turbulent boundary layer of a free compressible gas jet in a cocurrent and counter flow. p.330.
Maron, V.I. - Displacement of a viscous fluid taking into consideration the differences of viscosities and densities. p.336.
Berkun, V.A. - Approximate solution of the problem on fluid flow toward a well in a nonhomogeneous aquifer. p.342.
Van-Tache, N. - Soil pressure on bulkheads at small angles of internal pressure. p.346.
Makhortykh, Zh.K. - Determination of natural vibration frequencies of a continuous plate. p.357.
Guz', A.N. - Stress concentration near curvilinear holes on the side surface of a circular cylinder. p.360.
Sazhin, V.S. - Elastoplastic stress distribution around a square-like hole. p.364.
Kochanov, IU.P. - Two-dimensional problem in the theory of elasticity for plates of variable thickness. p.368.
Kizyma, IA.M. - Contact stresses in case of a cohesion of a circular punch with an elastic layer. p.376.
Gridnev, S.A. - Design of a flat curvilinear bar and ring according to deformation diagram. Problem on the loss of stability. p.383.
Grodzovskii, G.L., Ivanov, IU.N., Tokarev, V.V. - Mechanics of a space flight with low thrust. 4. p.392.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no.6, June 1964.

Table of contents translated:
Diamonds should be used in industry. p.1.
Oparin, E.L., Khromova, A.P. - Specialists joined the brigades. p.2.
Filippov, L.S. - Aleksei Dergalev's innovation suggestion. p.3.
Bukhman, IA.R. - Personal plans of technical development should be available to all machinery industry workers. p.4.
Fedorov, G.A. - Innovator council helps introduce multiple machining methods. p.6.
Suliatitskii, V.E., Koverga, V.P. - Multiple machining on automatic lathes. p.8.
Popovich, V.V. - Overhead conveyor with a bushed-roller single-row chain. p.9.
Gerasimov, V.N., Kuryndin, V.F., Iliushin, N.F. - Automatic groove milling machine. p.10.
Shkoda, E.G. - Self-balancing transverse beam. p.11.
Zhebrovskii, B.D. - Over-all mechanized storeroom for materials. p.12.
Korenkov, I.S. - Basic trends in the organization of repair work. p.13.
Satanovskii, R.L. - Modernization of gear milling machinery for multiple machining. p.15.
Korovin, V.T. - Modernization of the clamping mechanism of an automatic turret lathe. p.17.
Liubinskii, IA.S., Shilov, IU.A. - Flexible coupling of the electric motor with the lathe rest. p.17.
Logvinov, A.M. - Improving the durability of mechanisms. p.18.
Krongauz, A.I. - Improved unit. p.18.
Seminskii, V.K. - Improved attachments. p.19.
Savin, I.V. - A.D.Geraskin's thread-rolling head. p.24.
Braslavskii, E.N. - Device for welding a helical tray on the shell of a vibratory bunker. p.25.
This can be used in your enterprise. p.26.
Grushetskii, G.N. - Recommended by the Innovators' Council of Leningrad. p.28.
Kuz'min, N.A. - Bench press. p.29.
Zhokhov, V.V. - Remover connected with a screwdriver. p.29.
Osmolovskii, A.L. - Attachments increasing the labor productivity of machine-tool operators. p.30.
Kalinkin, N.B., Romanov, V.I., Sidorov, I.S. - Cutting-tool holder with a rebound mechanism. p.32.
Lerner, A.S. - Green light to diamond grinding. p.33.
TSiporkin, IU.Kh., IAushev, A.M. - Making pins on double-acting automatic cold-upsetting machines. p.34.
Persits, G.L. - Introduce diamond tools widely. p.35.
Steshin, A.S. - Our practice in using molybdenum disulfide lubricant. p.36.
Riabinin, D.D., Polyvianyi, A.P. - Unit for casting capron parts. p.37.
Savchenko, N.V. - Metal-filled compressed wood is a new material for the machinery industry. p.38.
Atavina, G.V. - Operational production planning at the Electric Locomotive Plant in Novocherkassk. p.39.
Frolova, E. - Scientific technical conference on diamond tools. p.43.
Kasatkin, V.V., Seregina, R.F. - Good deeds of the scientific and technical community. p.44.
Danilov, B.F. - Czech and Soviet innovators exchange experience. p.45.

No.7, July 1964.

Table of contents translated:
Quality, reliability, durability are the main problems. p.1.
Shukhgal'ter, L.IA. - System of a flawless
of articles forms the advanced trend of t

[illegible], K. [illegible], B. F. - [illegible] and fertilizers and power [illegible]

[illegible] gear teeth.

[illegible] chains and [illegible] p. 24.

[illegible] wires with shaped [illegible]

[illegible], IU. T. - [illegible] p. 39.

[illegible] parts made of com- [illegible] p. 41.

[illegible] production [illegible]

[illegible] - Voluntary econo- [illegible] p. 44.

[illegible] at the Ryazan Ma- [illegible] p. 47.

[illegible] rational conveying of parts. [illegible]

[illegible] the skewing of threaded [illegible]

[illegible] Translated [illegible] [illegible] Literature] Mos- [illegible]

[illegible] IA I AVTOMATIZATSIIA PROIZVOD-[illegible] [MECHANIZATION AND AUTOMATION OF [illegible]]. Organ of Gosudarstvennyi komitet [illegible] Gosplane SSSR [State Committee [illegible] Manufacture, Attached to the State [illegible] the U.S.S.R.] Moscow, [illegible] 1, Jan. 1964.

Table of contents translated

[illegible] - [illegible] automation of the chain-roller [illegible] p. 1.

[illegible] - Automation of rolling-mill coolers [illegible]

[illegible] - Automatic line for egg processing. [illegible]

[illegible], M. K. - Mechanized boring of long blast holes. [illegible]

[illegible] - Mechanization of loading and unloading [illegible] industry. p. 7.

[illegible], A. M. - Automatic regulation of the delivery of a [illegible] p. 10.

[illegible], K[illegible]nko, M. A., Snegirev, A. A. - Automatic control of hopper charging. p. 11.

[illegible], Sh[illegible]ko, G. I. - Automatic weigh-[illegible] p. 14

[illegible], A. L., Aleksandrov, B. S. - Automatic testing [illegible] p. 16

M[illegible], N. A., L[illegible]renko, [illegible] I., Chaikovskii, I. E. - New machines for manufacturing bent and glued furniture parts. p. 18.

[illegible], Kocherniak, V. A. - Automatic non-[illegible] system. p. 23.

[illegible], V. E. - Photometric devices for determing the [illegible] of the substance. p. 25.

[illegible], D. A. - Feed mechanism for sheet bars. p. 30.

[illegible], I. I., Tridub, V. K. - New stacker crane. p. 31.

[illegible], V. K. - Determining resistances to the stops of an overhead pusher conveyor. p. 32.

Volkov, O. I. - Increasing economic efficiency of automatic production lines. p. 34.

Filippova, V. A. - Calculations of the economic efficiency of automation should have a reliable base. p. 37.

Ginzburg, V. B., Mel'kumov, L. G., Rabinovich, M. S. - Reliability of the speed control relay. p. 39.

Kagan, M. G., Parylis, M. E., Svidler, K. N. - Electronic digital computer for sorting sheets. p. 41.

Gal'per, L. Z., Novikov, M. S. - Modernization of equipment in the light and textile industries. p. 43.

Kordushaia, IU. P. - Patent information should serve technical development. p. 44.

[illegible], R. I. - British automotive cranes. p. 48.

Introduce means of industrial telemechanics on a wide scale. p. 51.

[illegible]vich, N. L., Flegontova, S. IU. - Readers' conference at a factory. p. 54.

Correspondence course. p. 55.

New books. p. 56.

Scientific and technical handbook" Devices and means of automation." p. 57.

Review of Soviet periodicals, November 1963. p. 58.

From foreign periodicals, June 1963. p. 61.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII SEL'SKOGO KHOZIAISTVA. Sibirskii filial. Nauchnye trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANIZATION OF AGRICULTURE. Siberian Branch. Studies]. Novosibirsk, no 1, 1963

Table of contents translated:

Pavlov, B. V. - Some problems of the technical servicing of machines p. 3.

Lazovskii, V. V. - Studying the reliability of the machine and tractor pool on the Chik State Farm p. 54

Pavlov, B. V., Gibert, A. I. - Logical device for determining the disrepair of tractor hydraulic equipment. p. 62.

Zmanovskii, V. A. - Experimental study of the parameters of the noise of mechanisms p. 68.

Pushkareva, P. V. - Algorithms of the calculation of intercorrelated and autocorrelated functions and spectral density by electronic computers. p. 84.

Pushkareva, P. V., Shkredova, L. F. - Methods of calculating the needs of collective and state farms for machinery using electronic computers p. 93

Ivanov, V. G. - Studying the process of the motion of grain in a screw-type cleaner p. 100

Volik, R. N. - Stirring up a layer of loose material under the action of vibration p. 114.

Fedoseev, P. N. - Technology of drying forage bean seeds p. 128.

Dokin, B. D. - Theoretical substantiation of the value $\lambda = \frac{V\ \text{peripheral}}{V\ \text{progressive}}$ and the high-speed rototilling of mineral soils p. 140.

Kulebakin, P. G. - Studying the performance of tillage machines and implements for the virgin Solonetz soils in the Baraba p. 147.

Kulebakin, P. G. - Physicochemical properties of the Solonetz soils in the Baraba p. 159.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 276, 1964. [Remote control and automation circuits for electric tranction systems]

Table of contents translated

Foreword p 3

Sukhoprudskii, N. D. - Reliability and operation organization of remote control apparatus for electric power supply stations. p 5

Sokolov, S. D., Kuznetsov, S. M., Kachevskii, A. I. - Experience in the operation of quick-action electric network protection p. 16

Ovlasiuk, V. IA., Trifonov, I. I., Sukhoprudskii, N. D. - Frequency remote control of overhead contact line disconnectors p. 33

Pivovarov, A. V. - Translation of remote control signals p 43.

Ovlasiuk, V. IA., Stramnov, IU. S., Sukhoprudskii, N. D. - Use of the TE-62 system for the remote control of electric locomotives p. 47

Grin'kov, B. N. - Application of mathematical logic methods in the design of automatic control circuits. p 64.

Grin'kov, B. N. - Electronic system for the automatic power control of a mercury-arc rectifier substation according to load p. 83.

Ivanov, A. V. - Automatic control of mercury-arc rectifier systems with the use of contactless elements. p. 100.

Petrov, I. V. - Use of controlled silicon valves as output elements in the automatic control systems of traction substations. p 106

Ovlasiuk, V. IA., Bykov, V. A. - Directional total resistance electronic relay with various modulus and angle settings. p 115

Ovlasiuk, V. IA., Bykov, V. A. - Maximum current and minimum voltage relay with semiconductor devices. p 126.

Ovlasiuk, V. IA., Bykov, V. A. - Electronic time relay for automation and electric protection circuits p. 135.

Ovlasiuk, V. IA., Bykov, V. A., Lapin, V. B. - System for the blocking of the current reverser of the overhead contact line section in alternate and direct current converter stations of electrified railroads. p 149.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Journal] Vol. 23, no. 4, 1964.

Table of contents translated.

Maksimov, V. N., Siniavskii, V. S., Moiseev, I. A. - Strength of the assemblies of an experimental car made from aluminum alloys. p. 3.

Martynov, N. I. - Evaluating the quality of the formation of car wheel pairs. p. 7.

Pesis, M. P. - Strength of the assemblies of a double-deck passenger car. p. 11.

Inozemtsev, V. G. - Selecting the parameters of electro-pneumatic brakes. p. 15.

Kal'ianov, V. I. - Coefficients of the relative damping of the vertical vibrations of locomotives. p. 19.

Kovner, G. M., Borodulin, I. P. - Traction engines with mixed excitation for the electric driving of locomotives. p. 24.

Glushchenko, O. V. - Experience in the repair of antifriction bearings of the TE3 diesel locomotive. p. 28.

Slushkin, I. V. - Effect of the radial clearances on the service life of roller bearings. p. 32.

Shkol'nik, L. M., Shchetinin, B. D. - Increasing the fatigue strength of cast iron crankshafts p. 35.

Bushe, N. A., Abramov, P. G., Demidova, I. A. - Corrosion cracking of brass products. p. 38.

Koshcheev, L. G. - Consecutive inverter with a stiff load characteristic. p. 40.

Karvatskii, S. B. - Transformer chain for the transmission of mechanical remote control signals. p. 43

Kozlichuk, P. G. - Rated formulas of the rise of the outer rail on curves and its diverting. p. 47.

Khrulev, V. M. - Strength and sturdiness of bonded and bonded-screwed joints. p. 50.

Morozov, E. N. - Automatic optimization of the performance of the inertia unloader developed by the Central Scientific and Research Institute of the Ministry of Railroad Transportation. p. 53.

In the departments and laboratories of the Central Scientific and Research Institute of the Ministry of Railroad Transportation. p. 56.

Mikheev, V. A. - Simulation of the systems of railroad automation by means of digital computers. p. 57.

Persheev, V. G. - Use of ferrite-transistor elements. p. 60.

New books. p. 3 of cover.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GOROD-SKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 8-9, Aug.-Sep 1964. [This journal is also issued in parts].

REFERATIVNYI ZHURNAL: DVIGATELI VNUTREN-NEGO SGORANIIA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964. Predmetnyi ukazatel' za 1963 g. [Subject Index for 1963]

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS. PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBORUDOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL: KOTLOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, Predmetnyi ukazatel' za 1963 g. [Subject Index for 1963]

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL: NASOSOSTROENIE I KOMPRESSOROSTROENIE (Otdel'nyi vypusk 61) [JOURNAL OF ABSTRACTS. MANUFACTURE OF PUMPS AND COMPRESSORS (Separate Issue 61)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL: OBORUDOVANIE PISHCHE-[illegible] vypusk 38) [illegible] ENT OF THE [illegible]. Issued by [illegible] nauk SSSR [illegible] the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

REFERATIVNYI ZHURNAL· PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS· INDUSTRIAL TRANSPORATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.8, Aug 1964. [This journal is also issued in parts]

REFERATIVNYI ZHURNAL· STROITEL'NYE I DOROZHNYE MASHINY (Otdel'nyi vypusk 60) [JOURNAL OF ABSTRACTS CONSTRUCTION EQUIPMENT AND ROAD MACHINERY (Separate Issue 60)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 8, Aug 1964

REFERATIVNYI ZHURNAL TEKHNOLOGIIA I OBORUDOVANIE TSELLIULOZNO-BUMAZHNOGO I POLIGRAFICHESKOGO PROIZVODSTVA (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS TECHNOLOGY AND EQUIPMENT OF THE WOODPULP, PAPER, AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos 7-8, July-Aug 1964.

REFERATIVNYI ZHURNAL TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS. TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.8, Aug 1964.

REFERATIVNYI ZHURNAL TEPLOENERGETIKA [JOURNAL OF ABSTRACTS· HEAT ENGINEERING] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 8, Aug. 1964.

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYE MASHINY I ORUDIIA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.8, Aug. 1964

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR[Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.8, Aug 1964.

REFERATIVNYI ZHURNAL· TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, nos.7-8, July-Aug. 1964. Predmetnyi ukazatel' za 1963 g. [Subject Index for 1963]

REFERATIVNYI ZHURNAL· VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35)) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.8, Aug. 1964.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.7-8, July-Aug. 1964.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS· RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.8-9, Aug.-Sep. 1964. [This journal is also issued in parts]

SOVERSHENSTVOVAT' TEKHNOLOGIIU MASHIN I PRIBOROV [PERFECT THE TECHNOLOGY OF MACHINERY AND INSTRUMENTS] Penza, no 3, 1960. [Innovations in the manufacture of tools and equipment in the plants of the Penza Economic Council].

Table of contents translated

Tiuvakin, P. - Introducing advanced technological equipment and improving the production of tools. p. 3
Vasil'ev, V D - Means for the mechanization of gauge work. p. 17.
Vasil'ev, V.D. - Using the method of plastic deformations in making parts of die-casting molds. p. 27.
Gantman, S.A., Kuznetsov, K.A. - Design and manufacture of centerpunching stamps. p [illegible]2.
Knazev, [illegible] M - Innovations in the manufacture of of tools. p. 54.
Titov, G N. - Strength of tool materials p. 64.
Ofitserov, V.P., Tiuvakin, P.I. - Wider use of fine-granular hard alloys. p. 82.
Druzhaev, A.N. - High-duty dies. p 90.
Smirnov, G M - Factors for incrasing the durability of die-casting molds and improving the quality of castings. p. 109.
Agureev, V.I. - Circular dies with checkered threads. p 120.
Nikolaeva, A.N. - Reconditioning cutting tools. p. 123

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U S.S R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol.35, no.6, June 1964.

Table of contents translated.

Levina, Z.M. - Calculation of a ball and spline joint. p.1.
Levit, G.A., Lur'e, B.G. - Design of closed hydrostatic guides. p.6.
Beliaev, V.G., Borisenko, G.A. - Profiling the ball-return channel for ball transmissions. p.13.
Retsker, I.IA., Bunin, A.A. - Determining basic parameters of automatic lines. p.17.
Davydov, A.S. - Design of machines for electric contact machining of metals. p.20.
Maiorova, E.A., and others. - Molding gear wheels of caprolan. p.23.
Zhitnitskii, S.I. - Surface smoothness of cast-iron parts machined with hard-alloy broaches. p.25.
Gordon, M.B., Podgorkov, V.V., Ukhalov, A.P. - Cutter for machining T-shaped grooves. p.26.
Makarov, A.D., Tanatarov, R.A. - Relationship between the dimensional wear of cutting tools and the diameter of boring. p.28.
Kondratov, A.S., Barmin, B.P. - Relationship between the strength of cutting tools and the intensity of vibrations. p.30.
Manushakian, A.I. - Investigating the adhesion force between the node and the face of the cutting tool. p.32.
Vakhurin, N.E. - Stamping cutting tools without fins. p.33.
Shekhter, IU.N., Kalashnikova, V.P., Evstratova, N.I. - New lubricating and cooling fluids. p.34.
Avdulov, A.N. - New optical instrument for checking machine tools. p.37.
Gorbatenko, IU.I. - Fixed planetary reducing gear. p.41.
Krasil'nikov, M.V. - Vibration damper designed by lathe-operator Alekhin. p.41.
Korovin, V.T. - Modernization of the rod gripping device of the 1A112 automatic lathe. p.42.
New machine tools. p.42.
Popov, S.A. - Conference and seminar "Diamond tools and machining with diamond tools." p.43.
Polulanov, V.T. - "Fundamentals of the selection of technological processes for machining" by D.V. Charnko. p.44.
Books, periodicals. p.44.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol.10, no.12, Dec. 1963.

Table of contents translated:

Goncharov, S.P. - Results and prospects of the development of thermal power engineering. p.2.
Margulova, T.Kh. - Problems of the development of nuclear power engineering and their relationship with ordinary thermal power engineering. p.6.
Mironov, V.D. - Problems of automation. p.7.
Krachkovskii, N.N. - Prospects of utilizing the fuel power resources of Siberia and Central Asia for supplying power to the European part of the U.S.S.R p.10.
Zykov, S.A., Mochan, S.I. - Features of using the condensing block for covering peak loads and creation of auxiliary power supply in electric power systems. p.14.
Shchegliaev, A.V. - Manufacture of turbines in the U.S.S.R. and its perspective growth. p.20.
Popyrin, L.S., and others. - Use of digital computers in the choice of optimum finite parameters of large condensing turbine systems. p.26.
Shvets, I.T. - Gas turbines. p.33.
Biman, V.M. - Standardization of super-large boiler units. p.37.
Romadin, V.P. - Analysis of the operation and design of the furnace systems of large boilers operating on solid fuel. p.41.
Ivanov, V.M. - Combustion of fuels under pressure and the prospects of using this technique in power engineering. p.52.
Sharkov, A.T. - Passage of moist fuels through a fuel supply system. p.57.
Aristov, M.IA., Kozheurova, M.F., Mikheev, G.N. - Performance of steampipes from 1Kh18N12T steel of the SVP block of the Chelyabinsk thermal electric power plant No.1. p.60.
Kontorovskii, A.Z. - Study of the pliability of the welded connections of boiler steel. p.64.
Prokhorov, F.G. - Present state and prospects for the development of the water treatment systems of thermal electric power plants. p.66.
Kostrikin, IU.M. - Effective scope of the operational control of the steam and water enterprise of an electric power plant. p.71.
Gorshkov, A.S., Lanin, I.S., Sokolov, E.IA. - Development of heating from central stations in the U.S.S.R. p.74.
Golubev, I.F. - Twin differential calorimeter for determining the thermal conductivity of gases and liquids at high pressures and different temperatures. p.78.
Zenkevich, IU.V. - Water supply norms of an electric power plant. p.83.
Maksimov, V.M. - Adjustment and experience in operating two-frame boilers with supercritical pressures and 250 Mw. to 325 Mw. power ratings abroad. p.84.
Maslov, V.I., Rabinovich, IA.F. - Control of pulverized coal supply to individual burners. p.88.
Suvorov, V.A., Borodulina, L.P. - Nomogram for determining steam content in the bubbling of steam through water. p.89.
A conference by correspondence of the readers of "Teploenergetika." p.90.
Contents of the magazine "Teploenergetika" for 1963. p.92.

Vol.11, no.7, July 1964.

Table of contents translated:

Zalogin, N G. - Development of thermal power engineering and the protection of atmospheric air, lakes, rivers, and soil from pollution. p.2.
Tarnavskii, I.L., Meliksetian, S.A. - Results of testing vertical DVP electric filters in cleaning blast furnace gases with a relatively low concentration of fly ash. p.6.
Kirpichev, E.F. - Decrease in the hydraulic resistance of cyclones and battery-type cyclones. p.11.
Blokh, A.G. - Emission of carbon particles in a flame. p.16.
Chernetskii, N.S., and others. - Determination of technical and economic indices of the operation of a 200 Mw. block using a control computer. p.20.
Shneerova, R.I, and others. - Hydraulic resistance in the upward motion of a steam and water mixture in inclined pipes p.24.
Troianovskii, B.M. - Variable operation of the terminal stages of condensing steam turbines. p.26.
Kapinos, V.M., and others. - Temperature distribution in the rotor and internal cylinder of a cooled steam turbine. p.32.
Shvets, IU.I. - Profiling of turbine stages taking into account distortion of current lines in the meridial plane. p.37
Turkin, A.N. - Choice of an optimum alternative in the construction and location of hydraulic clutches in the drive system of a feed pump. p.40.
Berman, L.D, Efimochkin, G.I. - Calculational relationships for water-jet ejectors. p.44.
Lanin, I.S. - Study and consideration of thermal conditions in the parallel operation of No.14 and No.15 thermal electric power plants of the Leningrad Electric Power System. p.49.
Mamet, A.P., Stashko, R.P. - New methods for removing nitrites and nitrates from boiler feedwater. p.55.
Ratner, A.V., Berezina, T.G. - Residual stresses in the welded joints of pipelines from austentic steel. p.60.
Morozov, V.G., Ryndin, IU.IU. - Study of heat emission during boiling in annular channels and intertube space. p.64.
Chakrygin, V.G., Sevrianina, L.P. - Terminal effect and steady temperature distribution in a pipe heated in a sector with finite length. p.67.

Smel'nitskii, S G., Kazanskii, V.N - Study of air emission processes in steam turbine oil drums p. 71
Deich, M E, Filippov, G A., Nauman, V - Lemniscate method for constructing the profiles of subsonic lattices. p 74.
Vukalovich, M.P, Masalov, IA.F - Experimental study of the enthalpy of carbon dioxide p. 78.
Girshfel'd, V IA. - Prevention of air pollution p. 83
Belik, L. - Use of automatic computers in studying the aerodynamics of the runners of steam turbines p. 85
Methods for calculating the dissipation of ash and sulfur dioxide in the atmosphere emitted from the smokestacks of electric power plants p 89
Lisenkov, A.A. - A new textbook "Heat and Power Engineering" by A.P Baskakov and others p 95.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW] Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S S.R.] and others. Moscow, vol 43, no. 12, Dec. 1963
Table of contents translated:
Kostandov, L.A. - Development of the chemical machinery industry and objectives of the introduction of chemical processes into the national economy. p. 3.
Korablev, A.I. - Basic kinds of contact breakdowns of casehardened and nitrided gear wheels and methods for their prevention. p. 7.
Kozlov, I.A., Bazhenov, V.G. - Investigating stress concentration in rotating disks beyond elastic limit. p. 15.
Kruglov, M.G., Egorov, IA.A. - Determining available energy of exhaust gases by the diagram of pressure changes in the outlet pipe. p. 17.
Drozdov, IU.N. - Investigating maximum friction coefficients in friction rolling of cylinders. p. 21.
Korobitsin, A.A. - Effect of a tenon-bearing support on the swinging of a physical pendulum. p. 24.
Popov, V.S., and others. - Selecting material for spindle-joint bushings of rolling mills. p. 29.
Bobrovnikov, G.A. - Effect of electroplating on the strength of press fits. p. 32.
Cherevatkin, V.F., Il'in, A.P., Mikhailov, A.I. - Obtaining capron power from capron crumbs. p. 36.
Advertisement. p. 37.
Golovin, V.A., Bazyk, A.S. - Development of processes of closed-die forging. p. 39.
Zorev, N.N. - Interdependence of processes in the area of chip formation and in the contact area of the top cutting surface. p. 42.
Dobrorez, A.P. - Effect of cutting conditions on the radial wear of cutting tools in fine steel turning. p. 51.
Lakur, K.V. - Advanced design of boring tools. p. 55.
Vinogradov, K.K. - Cooperation and international division of labor in the machinery industry in socialist countries. p. 61.
Kovalevskii, A.M. - New system of operation and production planning. p. 67.
Andronov, L.I. - Determining economic efficiency of the increase in durability of replenishing equipment in the machinery industry. p. 75.
TSukanov, E.V., Morgulis, P.S. - Hundred years in the service of technical development. p. 79.
Semenov, A.P. - Advanced methods of the production of antifriction materials and sliding bearings. p. 81.
Lebedev, P.P. - Bulgarian National Exhibition in Moscow. p. 86.
New books. p. 87.
Index of articles published in "Vestnik Mashinostroeniia" in 1963. p. 88.

Vol. 44, no. 6, June 1964
Table of contents translated:
Problems of the strength, reliability and durability of machines. p. 3
Kugel', R V - Establishing norms for the durability of machines. p. 5
Serensen, S.V., Kozlov, L.A. - Characteristics of nonstationary strength and the determination of the potential of durability. p. 10.
Slobin, B.Z. - Strength calculation under nonstationary conditions of variable stresses p. 19.
Garf, M E., Buglov, E.G., Pavlovskii, V.E. - Characteristics of the accumulation of fatigue damage in case of nonstationary stress spectra expanding under the initial fatigue limit p 23
Redkovets, N.F. - Effect of stresses below the fatigue limit on the durability of parts operating under variable loads. p. 26.
Maloletnev, A.IA. - Impact fatigue of steel subjected to multistage loading p. 29
Kinasoshvili, R.S. - Determining strength potential for the general case of nonstationary conditions of the work of a part p. 32.
Serensen, S.V - Fatigue and static strength calculation for nonstationary conditions at high temperatures p 35.
Morozov, IU N, Tiablikov, IU E - Hydraulic excitation of cyclic loads in a wide frequency range p 37
Rudnitskii, V.I - Fatigue caused by the bending of gear wheels with nonstandard initial shapes. p. 42.
Kudriavtsev, I.V., Zhuk, E.I - Investigating the fatigue resistance of cast-iron crankshafts of a diesel locomotive engine p 46
Kudriavtsev, I.V., Andrenko, V.M. - Experimental determination of the fatigue resistance of rotating large steel shafts. p 50
Balter, M A, Kostritsa, T.V, Likhovskikh, M N - Effect of the hardness of steel hardened with high-frequency currents on contact fatigue p 54
Khrushchov, M M, Babichev, M A - Experimental fundamentals of the theory of abrasive wear. p 56
Bakakin, G.N, and others. - Comparative laboratory wearing tests of cast irons with globular and flaky graphite p 62
Tarlakovskii, I B - Statistical investigation of the wearing process of machine parts. p. 65
Klusov, I A - Reliability of automatic lines composed of transfer machines p 71
Satel', E.A., Pupkov, E.I. - Explosion hardening of metals abroad. p. 75
Zhak, S V., Shatunovskii, G M - Approximate determination of optimum values for technical and economic calculations p. 78.
Fedotenko, N S - Results of the Second All-Union Public Survey of the Fulfillment of Research Plans and Introduction of the Achievements of Science and Technology in the National Economy and the tasks of the carrying-out of the Third Public Survey p 82.
Conference of institutions of higher education on scientific fundamentals of advanced technology in the machinery and instrument industries p 85.
Kasparov, A.M - Strengthening and reconditioning of machine parts is a resource of enterprises p 86.
IUditskii, M.M. - Device for plotting rectangular axonometric drawings of machine parts p. 88.
Adamovich, A.V. - Once more on V.G Goncharenko's monograph "Investigation of piston rings of motor-vehicle engines" p 89.
Review of foreign periodicals p. 92.
Bibliographical lists and card indexes. p 93
To the attention of readers. pp. 4, 9, 31, 41, 85.

ZA RULEM [AT THE WHEEL]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 22, no. 8, Aug. 1964.

ZHELEZNODOROZNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 46, no. 1, Jan. 1964.
Table of contents translated:
Railroads are facing new tasks; editorial. p. 3.
Denisov, M.I. - Potentials for a further acceleration of freight delivery. p. 8.
Kairo, L.P. - Improving the organization of car flows in lumber transportation. p. 13.
Borovoi, N.E. - Bases for the making up of classified freight trains and their efficiency. p. 17.
Pertsovskii, L.M. - Improve the accounting for fuel and electric power consumption. p. 20.
Evplov, N.I. - Technical and economic efficiency of automating accounting and control in transportation processes. p. 24.
Skobelev, K.I., Vorozheikin, D.I. - Experience in the operation of 220 kv traction substations. p. 27.
Baranov, B.K., Rutshtein, A.M. - Use of static electromagnetic systems for the rolling stock of electric railroads. p. 31.
Evenko, V.I. - Optimum circuit for the cooling system of diesel locomotives. p. 34.
Gorshkov, L.I., Kuz'mich, L.D. - New type of high-capacity flatcars. p. 37.
Vasil'ev, D.I., Nemzer, A.M. - Bridge road laid on reinforced concrete slabs without the use of ballast. p. 40.
TSetsura, I.A. - Performance of automatic and remote control systems in sections with a.c. electric traction. p. 43.
Nikanorov, V.A. - What type of promising locomotives should be developed for the future? p. 46.
Solov'eva, N.P. - Problems of the improvement of car flows within a railroad line. p. 52.
Povorozhenko, V.V. - Determining the efficiency of the concentration of freight operations in a reduced number of stations. p. 57
Boguslavskii, S.A. - Improved technology of the processing of car flows in the station. p. 61.
Laptev, G.I. - Principles of volunteer participation in economics work. p. 65.
Moskalev, P.I., Potapov, P.R. - Information and accounting center of a classification yard. p. 68.
IUrevich, V.A, Stolbukha, G A - Efficient method for grain loading p 71.
Mikhailov, G.M, Agibalov, V.I. - Mechanization of operations. p. 72
Movshovich, M.N. - Guaranteed train runs without need for the removal of defective cars. p. 75
Samarskii, P.V. - Signaling as train safety guard during car repairing p. 77
Tilichenko, A G, Pogrebnoi, A.K., Mazur, N N. - Use of electronic computers for the calculation of technical norms in operational work. p 78
New inventions p 79
Kleimenov, A E - New cleaning machine for station platforms. p. 81.
Railroad news. p 82
Visloukh, L.A - Electric traction on foreign railroads p. 83.
New developments in foreign technology. p. 90.
Ivanov, A.P. - Important economic problem. p. 93

Vol. 46, no. 7, July 1964.
Table of contents translated:
Widen the road toward the new, advanced and progressive developments; editorial. p. 3.
Zaluzhnyi, V.I. - Use the cars with greater efficiency. p. 7.
Orlov, V.G. - New statue for the U.S.S.R. railroads. p. 13.
Karpov, L.A. - Improving the organization of passenger transportation. p. 19.
Golovchenko, G.I. - Achieving a greater traffic volume with a smaller fleet of locomotives. p. 20.
Trubnikov, I.E., and others. - What are the advantages of concentrated classification operations? p. 33.
Belousov, A.D., Snestakov, A.I. - Important potentials for the improvement of work conditions and rest periods of locomotive crews. p. 38.
Shadur, L.A., Lukin, V.V. - Efficiency of the use of heavy gondola cars without hatches. p. 40.
Dolmatov, A.A. - Characteristics of passenger car trucks and results of their testing. p. 43.
Shenderovich, M.E. - Polymeric materials in the building of passenger cars. p. 45.
Amelin, S.V., Andreev, G.E., Karolim, A.E. - Lengthening the service life of reinforced concrete ties. p. 49.
Netyl'kin, I.A. - Sanitary treatment of cars and distribution of the disinfection and washing stations. p. 53.
In the Collegium of the Ministry of Railroad Transportation: further improvement of research work. p. 56.
Zubov, I.V. - New regulations of train movement and maneuvering. p. 58.
What is new in the Regulations for the Technical Operation? p. 61.
Khokhrov, I.S., Opendik, M.D. - New methods are used for the operation of locomotives. p. 64.
Kalinichev, V.P. - Potentials for the increase of the operative efficiency of diesel locomotives. p. 67.
Kuprin, V.A., Konstantinov, S.V. - Savings of car-hours in every feature of car handling processes. p. 70.
Demchenko, D.A. - Results of the reorganization of locomotive management on the North Caucasus Railroad. p. 72.
IArnov, V.K. - Cooperation between railroad and automotive transportation in the transport of passengers. p. 77.
Varganov, E.Z. - Sight braking of cars in the hump area of classification yards. p. 78.
Vinitskii, L.E. - Use of rubber in the assemblies of the rolling stock and track structure. p. 79.
Rappoport, M.A. - Uniform technology accelerates car turnover. p. 81.
High-speed rail motorcar for the track personnel. p. 83.
Measures for a further increase of labor productivity. p. 84.
Consolidated technical and commercial car inspection. p. 86.
Contest for the best proposal. p. 86.
Sadikov, F.P. - Standard technological procedures in the operation of classification yards. p. 87.
Comments of foreign publications on Soviet railroad transportation. p. 89.
Dlugach, B.A. - New developments in industrial transportation. p. 90.
Belov, K.P. - Lighting of passenger cars. p. 94.
"Organization and planning of transport in combined transportation." p. 96.

h. MINING & METALLURGY

ADMINISTRATIVNO-BYTOVYE KOMBINATY UGOL'NYKH SHAKHT [ADMINISTRATIVE AND PUBLIC SERVICE COMBINES OF COAL MINES]. Issued by Donetskii [illegible]

improvement of mine administration and general services combines].
Table of contents translated:
Foreword. p. 3.

Terzian, I.K. - Results of scientific research on the improvement of mine administration and general services combines. p.4.

Tomashevskaia, N.IA. - Standardization of administration and general services buildings of open pit mines of the iron and steel industry. p.6.

Ivanov, V.V. - Organization and ways of improving sanitary and general services facilities for workers of the coke by-product industry. p.11.

Blokhin, V.V., Beresnevich, IU.V. - Experimental design of a new type of administration and general services building. p.18.

Nudel'man, S.B. - New type of administration and general services combine with storage for work and personal clothes in underground rooms. p.25.

Raikin, L.B. - Administration and general services combine for the Kuznetsk Basin. p.29.

Shpotakovskii, V.S. - Design of a building for the administration and general services combine of the Zaporozh'ye Iron Ore Combine. p.36.

IAkimenko, V.D. - Designing administration and general services buildings for enterprises of the mining and ore dressing industry. p.39.

Poda, B.IA. - Design and construction of administration and general services combines in the Krivoy Rog iron ore basin. p.44.

Venitchenko, E.G. - Design of an experimental administration and general services combine for the Bystriansk Hydraulic Mine. p.52.

Berger, I.IA. - New equipment for administration and general services combines developed by the Southern State Institute for the Design and Planning of Mine Construction in the Coal Industry. p.58.

Urazov, A.P. - Results of testing new equipment of mine administration and general services combines. p.66.

Stanislavskii, L.B., Denisenko, S.A. - Put automation into the process of drying and dust removal from miners' clothing. p.74.

Urazov, A.P. - Automatic process of drying miners' work clothes. p.76.

Travkin, N.A. - Glass partitions for shower stalls. p.81.

Rybiantsev, A.A. - Steam and waterproofing of enclosing structures of administration and general services combines. p.83.

Matveev, B.V. - Laboratory and actual testing of electro-osmotic methods of drying and steamproofing mine bath walls. p.92.

Decisions of the coordinating scientific technological conference on improving administration and general services combines of the coal and iron industries. p.100.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut gornogo dela. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R, Institute of Mining. Transactions], Alma-Ata, vol.12, 1963. [Mineral mining in Kazakhstan.]

Table of contents translated:

Balakh, R.V., Tarakanov, I.G., Meshcheriakov, G.V. - Advantages of eliminating cavities on the upper levels of the Mirgalimsay Mine and mining support pillars. p.3.

Berezovskii, A.P. - Mining support pillars on previously worked areas in the Dzhezkazganskiy Mine. p.13.

Bakaev, M.T., Gubin, V.I., Sapargaliev, M.S. - Using straight cuts before drilling with a self-propelled drilling rig. p.22.

Brichkin, A.V., Taranov, IU.I. - Comparative evaluation of the efficiency of roller and pneumatic percussion boring machines. p.30.

Kanlybaeva, Zh.M., Zhukova, S.G. - Selection of a place of mining fringe drifts in the Karaganda Basin. p.37.

Muzgin, S.S. - Determining the parameters for an underground excavator. p.47.

Sviahchev, V.A. - Methods for planning the optimal size of an excavation dump pile. p.56.

Musin, A.Ch., Chabdarova, IU.I., Vasil'ev, A.N. - Methods of determining the span of chamber shaped workings. p.61.

Erofeev, N.F. - Effect of the shape of supporting blocks on their bearing capacity in the Mirgalimsay Mine. p.73.

Vasil'ev, A.N. - Stress distribution in the roof of a chamber with blocks in various positions. p.81.

Taninskii, V.N. - Effect of the stressed state of the massif and pressure on the support in a widely worked-out area. p.88.

Bakaev, M.T., Arykov, A.I. - Fracture tectonics of Dzhezkazgan mineral Deposits and stability of blocks. p.122.

Shepelev, S.F., Zalevskii, IU.A. - Structure of circular, free, turbulent jets acting in chamberlike workings. p.130.

TSoi, S., Rogov, E.I. - Regulating the air in complex ventilation systems. p.143.

Nugmanov, N.T., Tleuzhanov, K.Kh., Sapargaliev, M.S. - Results of the observation of the effect of various diameter boreholes and drillholes on blasting indices. p.151.

Zhamankulov, Zh.K., Fetisov, V.A., Sadykov, G.Kh. - Method of breaking up oversize pieces of ore under restricted conditions. p.155.

Velichkin, A.N. - Possibility of mining blocks by the underground leaching method. p.159.

Kekin, A.A., Shchetilin, A.P., Nenashev, N.V. - Small-scale feeding device to an electrostatic precipitator. p.164.

Kekin, A.A., Nenashev, N.V., Shchetilin, A.P. - Methods of determining the dispersing composition of drops of spraying water. p.172.

Polishchuk, A.K. - Methods of establishing parameters for strip mining operations. p.178.

Chaiko, N.P. - Reply to the article by A.K. Polishchuk "Methods of establishing parameters for strip mining operations." p.183.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut metallurgii i obogashcheniia. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Metallurgy and Ore Dressing. Transactions], Alma-Ata, vol.8, 1963. [Nonferrous metallurgy.]

Table of contents translated

Kim, G.V., Esiutin, V.S. - Continuous zinc removal from lead under vacuum. p.3.

Isakova, R.A., Nesterov, V.N., Esiutin, V.S. - Determining the vapor pressure of mercury selenide. p.6.

Esiutin, V.S., Taziev, Zh.Sh., Kim, G.V. - Continuous zinc removal from lead in a vacuum apparatus. p.8.

Isakova, R.A., Nesterov, V.N., TSeft, A.L. - Recovery of lead and zinc from complex metal ore mattes by sublimation in vacuum. p.13.

Suleimenov, E.N., Machkasov, E.I. - Methods of concentration and recovery of vapor-form chlorination products. p.19.

Machkasov, E.I., Suleimenov, E.N., Ponomarev, V.D. - Investigating the chlorination process of granulated high-titanium slag in a fluidized bed. p.32.

TSeft, A.L., and others. - Liquative electric smelting of Dzhezkazgan copper concentrates with the production of high calcium slag p.40

Azerbaeva, R.G., TSeft, A.L. - Thermodynamic analysis of the solubility of certain selenides and tellurides in a solution of ferric chloride. p.50.

Polyviannyi, I.R., Sysoev, L.N. - Investigating the cementation of antimony and arsenic from alkali-sulfide solutions. p.57.

Azerbaeva, R.G., TSeft, A.L. - Behavior of bismuth tellurides and selenides during saline leaching. p.65.

Gol'dman, M.M., and others. - Role of potassium in the leaching of nepheline rocks. p.72.

Kolobov, G.A., Kunaev, A.M. - Investigating cathodic polarization during the electrolysis of aqueous solutions of vanadium and iron. p.77

Lebedev, K.B., Tiurekhodzhaeva, T.Sh. - Effect of certain physicochemical factors on the adsorbability of rhenium by activated carbon. p.84.

Baitenov, N.A., Ponomarev, V.D - Decomposition potential of the system K_2TiF_6 - NaCl - TiO_2. p.97.

Batyrbekova, S.A., Ablanov, A.D - Copper removal from iron bearing chloride solutions. p.102.

TSeft, A.L., and others. - Processing of copper concentrates after removal of lead and zinc. p.107.

Porubaev, V.P., Ponomarev, V.D - Cathodic polarization of lithium on a gallium cathode. p.113.

Gol'dman, M.M., and others. - Utilizing nepheline pulp, lean in calcium oxide for needs of the construction industry. p.122.

Ponomarev, V.D., Spivak, IU.M., Machkasov, E.I - Filter-separation of autoclave pulps. p.126.

Glembotskii, V.A., Kosherbaev, K.T., Sokolov, M.A. - Increasing the efficiency of the interaction between collector reagents in the flotation of sulfides. p.131.

Babin, P.N., Shcheglov, A.G. - Making use of chromite ores with a high silica content in the manufacture of refractories. p.139.

Kliuchnikov, IU.F., Presniakov, A.A. - Plasticity of copper-zinc alloys. p.147.

Kliuchnikov, IU.F., Presniakov, A.A. - X-ray investigation of the effect of zinc concentration on the ordering of α-brass. p.158.

Dem'iankov, I.G., Begimov, T. - Quantitative determination of Zn, Cu, Pb in metallurgical products by secondary X-ray spectra. p.165.

Zrazhevskii, P.D, Mitin, I.I. - Automatic temperature control in electric heating. p.171.

AKADEMIIA NAUK SSSR. Izvestiia. Metallurgiia i gornoe delo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Metallurgy and Mining]. Moscow, no.2, Mar.-Apr. 1964.

Table of contents translated:

Averin, V.V., Samarin, A.M. - Thermodynamics of nitrogen solutions in liquid iron. p.3.

Isaev, V.F., Morozov, A.N. - Nitrogen solubility and the formation of nitrides in iron-boron melts. p.13.

Siui TSzia-lun [Hsu Chia-lung], Poliakov, A.IU., Samarin, A.M. - Effect of vacuum on an increase in the deoxidizing properties of carbon in iron-carbon melts. p.17.

Khlynov, V.V., and others. - Mechanism of the removal of nonmetallic inclusions from drops of steel moving in slag. p.26.

Zakharov, I.N., Shavrin, S.V. - Mechanism of the reduction of an iron-slag melt by carbon. p.31.

Shu ygin, P.M, Shanta in, V.D. - Kinetics of the dissolution of alloying metals in liquid iron. p.38.

Chizhikov, D.M., Gulianitskaia, Z.F., Eremenko, I.N. - Interaction between copper and iron sulfides and fused iron-calcium silicates. p.41.

Sergin, B.I., Esin, O.A., Lepinskikh, B.M. - Investigating the kinetics of the interaction of sulfides and oxides by the method of anodic polarization. p.45.

Dubrovin, A.S., Rusakov, L.N., Pliner, IU.L. - Aluminum migration and wetting during the aluminothermic reduction process. p.51.

Sokolov, O.K. - Temperatures of the fusion and boiling of salts. p.58.

Vigdorovich, V.N., Adler, IU.P., Vol'plan, A.E. - Evaluating the efficiency of zonal recrystallization processes. p.63.

Rubtsov, G.K., Syromiatnikov, N.I. - Investigating the combustion of gas in a fluidized bed as applicable to heating furnaces. p.69.

Kashin, IU.A. - Relaxation vibrations during the drawing of wire. p.75.

Oding, I.A., Liberov, IU.P. - Appearance of submicroscopic cracks in plastic metals undergoing static deformation. p.85.

Zav'ialov, A.S. - Regularities and nature of the effect of addition elements on the polymorphism of iron. p.92.

Lozinskii, M.G., Ferenets, V.IA. - Effect of cyclic temperature fluctuations and tensile stresses on changes in the microhardness along the cross-section of grains and deformations occurring in commerical-grade iron. p.97.

Zhurenkov, P.M., Egorshina, T.V. - Dendritic heterogeneity and chemical composition of carbides in cast EI481 steel. p.105.

Stepanov, V.P., Pridantsev, M.V., Kernich, N.K. - Extra-axial segregation of heterogeneities in chromium-nickel alloy ingots. p.110.

Bakhtiarov, R.A., Kats, A.M. - Phase distribution in the solid-liquid region of castings. p.117.

Baranov, A.A., Glebova, E.D., L'nianoi, V.N. - Repeated graphitizing of cast iron with spheroidal graphite. p.124.

Ziazev, V.L., Furasheva, M.N. - Gases in copper ingots and their determination. p.132.

Braun, M.P. - Hardenability of complex alloy steels. p.137.

Gavze, M.N. - Effect of mercury coatings on the character of the failure of steel specimens. p.143.

Baum, B.A., Gel'd, P.V., Suchil'nikov, S.I. - Electric conductivity of chromium, silicon, and chromium disilicide in solid and liquid states. p.149.

Mikheev, V.S., and others. - Constitution and structure of the intermetallide phase in alloys of the six-component system Ti - Al - Cr - Fe - Si - B. p.156.

Osipov, K.A., Sotnichenko, A.L. - Investigating creep in the β-modification of alloys in the system titanium - zirconium by the torsion method. p.161.

Kurnakov, N.N., Savel'eva, M.M. - Properties of solid solutions of the ternary system Nb - Mo - Cr at high temperatures. p.164.

Matiushenko, N.N. - Reactive diffusion in the system molybdenum - beryllium. p.167.

Zatsepin, S.V., Zlochevskaia, I.I., Kochnov, V.E. - Microrelief on the surface of nickel-chromium alloys under the effect of small plastic deformations. p.172.

Kovtun, G.P., Kruglykh, A.A., Pavlov, V.S. - Vapor pressure of solid beryllium. p.177.

Alekseev, V.I., Shvartsman, L.A. - Remarks on experimental data from the study of the thermodynamics of Mo_2C and WC. p.180.

Poskachei, A.A., Ural'skii, M.P. - Color temperature of aluminum and magnesium alloys in the 300 - 500°C range. p.186.

Lamba, E.G., Ettinger, I.L., Adamov, V.G. - Determining the methane content of native coals at pressures up to 50 at. p.188.

Lebedev, V.G. - General meeting of the Physicochemical and Technology Section of Inorganic Materials at the Academy of Sciences of the U.S.S.R. p.192.

AKADEMIIA NAUK SSSR. [illegible] goriuchikh iskopaemykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. [illegible] of Mineral Fuels. Transactions]. Moscow, [illegible], 19[illegible]. [illegible] of coal preparation and [illegible]

Table of contents translated

[illegible], I[illegible], L.G., Speranskaia, G.V. - [illegible] petrographically heterogeneous Kuznetsk Basin coals. p.3.

[illegible], I.D. - Comparing the principles of magnetic separator performance with top and bottom feeding during the magnetic separation of coal breeze. p.10.

[illegible], I.D., Mikhailova, N.N. - Effect of magnetic [illegible] of various sizes on the preparation of coal and its dedusting. p.20.

[illegible]esnko, I.D. - Basic regularities in the distribution of sulfur compounds and iron in the products of the [illegible] the separation of Donets Basin coals. p.2[illegible].

[illegible], V.I. - Coal preparation in a heavy dry [illegible]. p.34.

[illegible], IU.P., Forostin, V.N. - Reclamation of the filler in air-suspension coal preparation. p.40.

Kir[illegible]va, O.P., Semenov, L.V. - Economic efficiency of air-suspension coal preparation. p.46.

S[illegible], P.Z. - Coal heating to the plastic state in a two-stage vortex chamber. p.51.

S[illegible], P.Z., Spiridonova, L.I. - Processes taking place during the heating of fine-grained coal in vortex chambers. p.71.

S[illegible]eko, P.Z., Nabutovskii, Z.A., Gaevskaia, G.D. - Press with a mixing chamber for the molding of power plant fuel. p.76.

F[illegible]taev, M.T. - Plastic coal mass on the basis of concepts on the physical chemistry of high polymers. p.88.

Speranskaia, G.V., TSikarev, D.A. - Investigating the molding under pressure of a plastic coal mass. p.92.

Geguchadze, R.A., Kurdiukov, A.S., Yangnits, I.L. - Studying the properties of coal during heating stages and the holding at heat in the continuous coking process. p.98.

Geguchadze, R.A., Kurdiukov, A.S. - Effect of certain factors on the formation of a plastic coal mass and the quality of coke produced. p.112.

Geguchadze, R.A. - Forming of a plastic coal mass. p.119.

Edemskaia, N.D., Malashenko, L.P. - Coal destruction during its preparation by heat treatment in the continuous coking process. p.126.

TSikarev, D.A. - Changes in coal volume during its compaction in the plastic state. p.134.

Kazakevich, N.P., Shchukin, P.A., TSikarev, D.A. - Effect of cooling coal briquets on the physicomechanical properties of coke. p.140.

Konovalov, A.K. - Making coke briquets from a mixture of lignite and coal on a testing unit of continuous coking at the Institute of Mineral Fuel experiment station. p.145.

Geguchadze, R.A., Zakhariev, A.I. - Making coke briquets from weakly caking lean Bulgarian coals. p.155.

Talts, E.M., Bronovets, T.M. - Method of determining the plastic properties of coal and lignite. p.159.

Talts, E.M., Bronovets, T.M. - Coal decomposition and state of viscous flow. p.164.

Letova, V.K., Speranskaia, G.V. - Forming of a plastic gas-coal mass in the layer process of coking. p.172.

Nikolaev, I.N. - Effect of certain methods of preliminary coal preparation on the coking process. p.178.

Talts, E.M., Pokrovskaia, F.I. - Making coke from briquetted fuel. p.189.

Davydov, V.P., Semenov, L.V., Fridman, N.L. - Economics of the manufacture of coke briquets from gas, long-flame, and weakly-caking coals. p.198.

Talts, E.M., Andreeva, I.A. - Strength of brown-coal coke. p.208.

Shchukin, P.A., Sychev, V.S. - Possibility of using vibration to intensify the heating and briquetting of coals. p.215.

Makhalov, P.N. - Plasticization of coal breeze by tar-containing gases. p.218.

Enik, G.I., Dmitriev, G.N. - Coking of coal charge mixtures treated with resinous materials. p.229.

Semenov, L.V., Kirsanova, O.P., Davydov, V.P. - Economics of and prospects for the use of peat in the by-product coke industry. p.237.

AKADEMIIA NAUK SSSR, Institut metallurgii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Metallurgy. Transactions]. Moscow, no.14, 1963. [Metallurgy, metallography, physicochemical methods of investigation.]

Table of contents translated:

Kulikov, I.S., Zhmoidin, G.I. - Activity of calcium oxides and sulfides in slag according to data on sulfur vaporization from slag and on its distribution between the cast iron and slag. p.3.

Shchedrin, V.M. - Law of active masses as applicable to the kinetics of metal reduction by carbon. p.13.

Chernyshev, A.M. - "Rule of common tangents" in the thermodynamic construction of constitutional diagrams of binary systems. p.25.

Mchedlishvili, V.A., Samarin, A.M. - Comparative evaluation of the rate of removal from liquid iron of oxide inclusions formed during the deoxidation by aluminum and silicon. p.29.

Averin, V.V., Samarin, A.M - Effect of silicon on the solubility of oxygen in liquid cobalt and in Co-Fe melts. p.50.

Averin, V.V., Cherkasov, P.A., Samarin, A.M. - Deoxidation of cobalt melts. p.58.

Bannykh, O.A., and others. - Properties of ferritic iron-aluminum alloys. p .66.

Shiniaev, A.IA. - Activation energy and the mechanism of self diffusion of nickel. p 78.

Bondarev, V.V., Shiniaev, A.IA. - Investigating diffusion processes in brazing titanium with a rhenium coating. p.86

Pavlov, I.M., Rastegaev, M.V., Zharov, V.M. - Deformation of brittle solids. p.90

Moguchii, L.N. - Upsetting solids of a prismatic shape with plastic, yielding interlayers. p.101.

Glazov, V.M., and others. - Physicochemical analysis of systems Ge(Si) - A^{III} - B^{V}. p.108.

Drits, M.E., Sviderskaia, Z.A., Rokhlin, L.L. - Effect of addition elements on the properties of alloys in the system Mg - Nd. p.120.

Kadaner, E.S., Oreshkina, A.A. - Investigating the recrystallization of magnesium-cerium alloys. p.130.

Savitskii, E.M., and others. - Interaction of niobium and vanadium with magnesium. p.139.

Savitskii, E.M., Kim, T.A. - Structural changes and the mechanical properties of alloys on the basis of metal compounds by the substitution method of low-melting components. p.147.

Grigorovich, V.K - Effect of the structure of internal electron shells on the distribution of elements in the D.I. Mendeleev periodic system. p.155.

Grigorovich, V.K. - Place of lanthanides and actinides in the D.I.Mendeleev periodic system of elements and the shift of analog elements in accordance with their chemical properties. p.188.

Grigorovich, V.K. - Periodicity of the structure and properties of lanthanides in connection with their constitutional diagrams. p.212.

Grigorovich, V.K. - Crystal structure of elements and certain regularities in the changes of their atomic radii and mutual solubility. p.227.

Gertseva, N.S. - Polarographic determination of cadmium admixtures in In-Sb and Ga-Sb alloys. p.251.

Nagibin, V.S., Liventseva, E.V. - Determining indium, antimony, and tellurium in alloys. p.255.

Nagibin, V.S., Sluch, A.I., Ivasheva, A.P. - New method of determining zinc. p.259.

AKADEMIIA NAUK URSR, Kiev. Instytut metalofizyky. Sbornik nauchnykh rabot [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of the Physics of Metals Papers]. Kiev, no 18, 1964.

Table of contents translated:

Butylenko, A.K., Gridnev, V.N. - Characteristics of deformation and changes in the physical properties of chromium-iron alloys. p.3.

Drachinskii, A.S., Moiseev, V.F., Trefilov, V.I. - Conditions of the start of flow and the failure of iron. p.18.

Drachinskii, A.S., Trefilov, V.I. - Conditions of metal fracture. p.22.

Dekhtiar, I.IA., Shalaev, A.M. - Increase in the mobility of atoms in alloys under the effect of gamma irradiation. p.26.

Dekhtiar, I.IA., Polotniuk, V.V. - Changes of dislocation density during the annealing of deformed metal. p.32.

Larikov, L.N. - Changes of volume and thermal effect during the heating of deformed metals. p.35.

Arbuzova, I.A., Khandros, L.G. - Effect of stresses on the deformation of alloys of copper with aluminum and nickel in the temperature range of the martensite transformation. p.40.

Gridnev, V.N., and others. - Investigating the behavior of nozzle blades in conditions of steady and unsteady heat flow. p.47.

Arbuzova, I.A. - Nature of cellular structure in nickel-base heat-resistant alloys. p.54.

Glazov, A.P., Tikhonov, L.V., Khazanov, M.S. - X-ray investigation of the surface of nozzle blades tested for heat-resistance. p.60.

Koval', IU.N., Khandros, L.G. - Effect of plastic deformations of the gamma phase on hardening with subsequent martensite transformation of iron-nickel alloys. p.69.

Kozyrskii, G.IA., Okrainets, P.N. - Polygonization in nickel during creep. p.74.

Kozyrskii, G.IA. - Deformation and structural changes in nickel during an even application of load. p.83.

Meshkov, IU.IA. - Critical points in the polymorphic transformations of iron during rapid heating. p.90.

Gridnev, V.N., Meshkov, IU.IA., Oshkaderov, S.P. - Critical points of pure iron during rapid electric heating. p.96.

Gridnev, V.N., Meshkov, IU.IA., Chernenko, N.F. - Critical points of titanium-iron alloys during rapid heating. p.100.

Gridnev, V.N., Minakov, V.N., Trefilov, V.I. - Mechanism of the formation of austenite at high rates of heating. p.107.

Gridnev, V.N., Petrov, IU.N. - Electron microscopy of the diffusion of carbide phases during the electric heating of chromium steel. p.116.

Kurlikovskaia, M.P., Lysak, L.I. - Effect of tungsten, molybdenum, and carbon on crystal structure changes of the component phases in austenitic steels during the decomposition of a super-saturated γ-solid solution. p.123.

Krulikovskaia, M.P., Lysak, L.I. - Effect of alloying elements on the orientation and the rate of the carbide phase isolation in the decomposition of austenite. p.129.

Lysak, L.I., Drachinskaia, A.G. - Effect of defects in the crystal structure of hardened steel martensite on the mechanism and the kinetics of martensite decomposition. p.136.

Lysak, L.I., Drachinskaia, A.G. - Changes in the defects of the crystal structure of martensite at the first stage of decomposition. p.143.

Lysak, L.I., Timofeeva, A.I. - Orientation and mechanism of the formation of cementite during its isolation from austenite. p.152.

Golchenko, V.V., Ryzhkov, V.I. - Theory of the ordering of alloys with a hexagonal close-packed lattice. p.155.

Polotskii, I.G., Mordiuk, N.S. - Damping of elastic vibrations in Cu-Be and Cu-In alloys during phase transformations. p.163.

Shurin, A.K., Dmitrieva, G.P. - Constitutional diagram of the chromium-ruthenium alloy. p.170.

Shurin, A.K., Dmitrieva, G.P. - Constitutional diagram of the niobium-cobalt alloy. p.175.

Lesnik, A.G. - Roughness of sublayer surfaces and the coercive force of films. p.176.

Levin, G.I., Kaverina, S.N. - Coercive force and the induced structure of permalloy films. p.183.

Skvorchuk, V.P., Khar'kova, G.V. - X-ray determination of secondary stresses and the size of blocks in thin permalloy films. p.187.

Dekhtiar, I.IA., Levina, D.A. - Effect of plastic deformation on the magnetization saturation of ferromagnetic materials. p.189.

Dekhtiar, I.IA., Litovchenko, S.G., Mikhalenkov, V.S. - Annihilation of positrons with electrons in gadolinium. p.198.

Borisov, N.D., Nemoshkalenko, V.V. - X-ray investigation of the electron structure of alloys in the system titanium - chromium. p.202.

Dekhtiar, I.IA., Polotniuk, V.V. - Changes in the rate of magnetic polarity reversal in nickel during annealing following deformation and hardening. p.208.

Polotniuk, V.V. - Effect of hardening conditions on the coercive force of nickel. p.212.

Meshkov, IU.IA., Oshkaderov, S.P. - Methods of temperature recording during ultra high-speed heating of iron. p.216.

Minakov, V.N., Trefilov, V.I. - Spectrometric resolution of a scintillation counter in the recording of soft X rays. p.220.

Shurin, A.K. - Differential highly sensitive dilatometer with heating in an inert atmosphere. p.222.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol. 43, no. 6(444), June 1963.

Table of contents translated:

Polaudin, A.M. - Prospects for finding gas and oil in the "hiatus" series of the Peschanyy-more Area. p.1.

Mustafaev, M.M., and others. - Underground waters of the Bibieybat oil field. p.4.

Abasov, A.S., Guseinov, M.R. - Certain problems concerning the geological structure and conditions for the drilling of wells in the Karabagly Area. p.6.

Aliev, F.S., Guseinova, A.A. - Engineering-geology conditions governing the marine electric power transmission cable to the north-northeast of Alyat Cape. p.9.

Kerimov, E.B., Rzaev, A.S., Shevtsov, A.S. - Lowering an 8 5/8" liner into the deepest well in the Soviet Union. p.11.

Faradzhev, T.G., Makhmudov, D.M., Bagirov, A.IU. - Features of well-bottom cleaning out in turbine drilling. p.13.

Kuliev, S.M., Es'man, B.I., Grigorian, N.A. - Determining the hydraulic radius for the annular space of slant holes. p.15.

Gabuniia, G.V., Karasik, G.E. - Graphic determination of the speed of the submergence and rise of drilled-out rock particles depending on the quantity and quality of the drilling fluid. p.18.

Mamedov, E.M., and others. - Commercial test of the sand-jet method for well perforation. p. 21.

Bezirov, R.R., Aleskerov, S.S., Martirosov, S.G. - Determining the minimal gas flow rate required to lift a liquid condensate from the well bottom. p. 24.

Denisov, F.I., Nabiev, N.N., Salimov, T.I. - Calculating the fractional composition and the injection sequence of a quantity of sand in hydraulic fracturing.

Aliev, I.M., and others. - Results and efficiency of the acidization of injection wells in the Neftyanyye Kamni oil field. p. 20.

Bagirov, M.K. - Effective sand injection in hydraulic fracturing. p.31.

Kuliev, R.Sh., Kevorkova, I.S. - Obtaining lubricants from a mixture of Baku paraffin oils. p. 34.

Ashumov, G.G., Mirdzhavadova, M.M., Allakhverdiev, A.A. - Developing a method for the separation of methylcyclopentane from gasoline fractions. p.36.

Abdullaev, A.A., and others. - Commercial-test operation of a moisture analyzer for VN-1 oil. p.38.

Kuliev, I.P., and others. - Shifting of a pipeline lying freely on the bottom under the action of hydrodynamic forces when the sea is agitated. p.41.

Sheidaev, Ch.M. - Cableless perforator. p.43.

Kaufman, V.P. - Determining the economic efficiency of new equipment in petroleum production. p.45.

Competition for the design of highly-efficient bits for the drilling of wells at a depth of five to ten thousand meters. p.48.

Vol. 43, no. 2(452), Feb. 1964

Table of contents translated:

Pototskii, E.V. - Nature of the relationships between the structural patterns of the Miocene-Oligocene and Pliocene complexes of southeastern Kobystan p. 1.

Makhmudova, V.M - Nature of the relief of the sedimented basin of the lower sector of the producing formation in the southern coastal line of the Apsheron Peninsula. p.4.

Zeinalov, Z.I., Dadashev, M.N., Aminali, IA.M. - Features of the reservoir waters of the Sub-Kirmaki series in the Gyurgyany-More oil field. p. 7.

Patrusheva, V.D. - Distribution of iron, sulfur, and organic carbon in the Mesozoic sediments of Daghestan. p. 10.

Agalarova, D.A., Liberzon, I.M. - Microfauna investigation of thin sections based on clays of the Maikop. p. 12.

Mekhtiev, E.Kh., Safarov, IU.A., Shamkhalov, D.A. - Cementing casing strings under conditions of circulation loss. p. 13.

Avetisov, I.G., Kasparov, G.G., Sokov, IU.I. - Drilling wells in lost-circulation zones with side tracking and two-hole drilling using aerated mud in fields of the Oil Field Administration of the Lenin Petroleum Trust. p. 14.

Gasanov, G.T. - Approximate solution of a problem concerning the nonsteady motion of viscoplastic fluids. p. 16.

Bagarov, T.IU. - Estimation of commercial oil reserves based on field data. p. 19.

Gadzhiev, B.A., Buriakovskii, L.A. - Maximum yields and exploitation times of marginal offshore wells. p. 21.

Nadzhafov, N.N. - Sloughing of sand in the exploitation of deep-pumping wells. p. 25.

Fukson, G.A. - Determining the conditions for the withdrawal of pulp in cleaning away sand with a jet apparatus. p. 27.

Technical patent division of the M. F. Akhundov Library of the Azerbaijan Republic. pp. 29, 45.

Kuliev, A.M., Zeinalova, G.A., Mushailov, A.E. Obtaining a multifunctional additive(barium salt of the condensation products of alkyl phenol with formaldehyde under plant conditions. p. 30.

Veliev, K.G., Mardanov, M.A., Makhmudbekova, M.I. - Results of an investigation of individual Baku oils with view to obtaining high-quality diesel fuels. p. 32.

Aliev, D.A., Agaeva, Z.G. - Establishing the isomer content of xylene in the pyrolysis products of oil distillates. p. 35.

Petrov, A.P. - Using thermally cracked reflux in the production of surfactants. p. 37.

Sattar-Zade, A.Dzh., Sattar-Zade, I.S. - Investigating the effect of certain factors on the optical activity of heavy petroleum fractions in the presence of aluminosilicates. p. 39.

Rosin, I.I., Kaplan, A.R. - Comparative tests of hydraulic piston pumps. p. 41.

Guseinov, M.A., Mamedov, A.A. - Decrease in the penetrating power of a perforator bullet moving along the borehole. p. 44.

Gombiner, B IA. - Determining the economic efficiency of new equipment on oil fields. p 46.

Buladov, A.I., Sidorov, N.A - Useful book for drillers. p 47

Vol. 43, no. 3(453), Mar. 1964.

Table of contents translated·

Sul'tanov, K.M., Samedov, S.S., Kalifa-Zade, Ch.M. - Structural features of the Jurassic sediments of Southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials. p. 1.

Bagir-Zade, F.M., and others. - Influence of granulometric composition and carbonate content on the porosity and permeability of the rocks of a producing series. p. 4.

Guseinov, F.M. - Characteristics and conditions governing the formation of stratigraphic pools in the Sub-Kirmaki series of fields in the southwestern part of the Apsheron Peninsula. p. 7.

Vezirova, R.Kh. - Developing the Supra-Kirmaki sand series in the Koshanour region of the Balakhany-Sabunchi-Ramany field. p. 10.

Seid-Rza, M.K., Nazirov, S.A., Kerimov, N.K. - Change in the hydrodynamic pressure at the well bottom on hoisting a drilling tool. p. 12.

Kuliev, A.E., Guseinov, F.M., Ragimov, A.I. - Experimental investigations of the effect of drilling parameters on the dimensions and shape of borings. p. 15.

Kasum-Zade, D.S., Dedusenko, G.IA., Markarova, T.A. - Chemical reagent for the treatment of muds based on a ligroin-kerosine fraction of crude phenols. p. 18.

Shchetkina, E.D., and others. - Determining the quality of a powder carbon-alkali reagent. pp. 20, 33.

Guseinov, G.P., and others. - Determining the ultimate yield and analyzing the results of edge water flooding of beds with conditions approaching those of the water drive. p. 22.

Dzhalilov, K.N., Rustamov, IA.R. - Regularities in the flooding of linear well lines. p. 24.

Bal'tser, V.IA., Gukasov, N.A. - Determining the pressure of a static column of gas. p. 26.

Alidzhanov, G.A. - Determining the minimum permissible yield required for the complete withdrawal of a condensate. p. 28.

Sheremet'ev, V.A., Barannik, V.P. - Film corrosion inhibitor for petroleum production equipment. p. 29.

Abdullaev, A.A., Ginzburg, M.IA. - Automatic data processing in systems of centralized production control. p. 31.

Dzhuvarly, Ch.M., and others. - Improving the technique in the alkali purification of diesel fuels. p. 34.

Ashimov, M.A., and others. - Studying the demulsifying properties of surfactants synthesized on a base of polymers in the "Neftegaz" plant, p. 37.

Ashumov, G.G., and others. - Investigating the extraction of paraffin hydrocarbons of normal structure from gasoline-ligroin fractions using molecular sieves. p. 39.

Mamedova, V.D., Akhmedov, Sh.T., Aliev, D.A. - Cryoscopic determination of the purity of xylenes. p. 42.

Krasnobaev, A.V. - Testing new designs of a lock support without a spring anchor. p. 44.

Manafov, A.G., Tagiev, M.B. - Certain reserves for reducing the production cost of synthetic rubber. p. 47.

Vol. 43, no. 5(455), May 1964.

Table of contents translated:

Imanov, A.A. - Physicomechanical properties of the rocks of a producing series in the Sangachaly-More-Duvannyy Island fields. p.1.

Gazilan, N.I., Seifullova, M.U. - Reservoir properties of the rocks of a producing series in the Peschanyy-More field in connection with the calculation of oil and gas reserves. p.3.

Aliev, A.I. - Prospects for finding gas and oil in the Akchagyl' sediments of the Kura oil and gas bearing region. p.6.

Orudzheva, D.S., Parnov, E.I. - Behavoir of the oil-water surface and the distribution of fluids in oil and gas pools. p.9.

Orudzhev, V.A. - Lithofacies sediments of the Kirmaki and Sub-Kirmaki series in a producing formation of the Apsheron Archipelago. p.11.

Es'man, B.I., Gulizade, L.G. - Determining the hydraulic roughness in pipes for electric drilling. p.14.

Mamedov, N.N., Ibragimov, D.K., Mdivani, A.G. - Conditions governing the pressing of drill pipes against the well wall. p.16.

Velibekov, R.M. - Practicability of using multistage cementing in present-day conditions. p.18.

Kapustin, I.IA. - Using a hydraulic elevator in drilling. p.19.

Conference of drilling foremen. p.20.

Nazarov, S.S. - Incremental oil production from the upper section of a producing series in the Lenin region. p.21.

Shcherbakov, G.V., Balakirov, IU.A. - Determining the reservoir parameters from the results of an investigation of pumping wells. p.24.

Abbasov, Ch.I. - Efficiency of injecting coarse-grained sand into the bottom zone of sand producers. p.26.

Zaitsev, IU.V., Vol'skaia, E.M., Khasaev, A.M. - Structural-mechanical properties of mixtures used in stimulating the bottom zone. p.29.

Mamedov, A.A. - Determining the external load on the casing string in the filter zone when exploiting wells. pp.30, 48.

Ismailov, R.G., Aliev, D.A., Ivanova, T.M. - Tar from the pyrolysis of gaseous hydrocarbons as a product for obtaining biphenyl and benzene. p.33.

Mamedova, R.K., Kuliev, A.M., Sadykhov, K.I. - Obtaining phosphor-sulfur containing organic compounds from the polymers of unsaturated hydrocarbons and investigating them as additives to lubricating oils. p.37.

Gadzhiev, F.M. - Determining the effects of waves on individual supports (piles) and open structures. p.39.

Kliasbeili, A.Sh., Perel'shtein, M.E., Dzhafarov, A.G. - Device for the automatic introduction of corrections for temperature and pressure into the readings of a gas meter. p.41.

Farzalibekova, Z.G., Kasum-Zade, N.G. - Corrosion of stainless steels in naphthenic acids. p.44.

Berkolaiko, Z.M., Bagiriants, R.S. - Index of the drilling cycle speed. p.46.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol. 17, no. 4, Apr. 1964.

Table of contents translated.

Voloshinskii, A N., Bolotin, G.A. - Microscopic theory of magneto-optical effects in ferromagnetic materials. p.481.

Kovalev, O V. - Symmetry of magnetic crystals with a non-zero integral moment close to the Curie point. p.490.

Gurov, K.P., Pekarev, A.I. - Theory on the effect of impurities on the thermoelectron emission of tungsten. p 500.

Ul'ianov, R A., Kovtun, S.F. - Effect of alloying on the electric resistivity of titanium. p.505.

Bol'shanina, M.A., Korotaev, A.D - Investigating the kinetics of low-temperature transformations in permalloys. p 512.

Gratsianov, IU.A., Rabin'kin, A.G. - Effect of preliminary plastic deformation on the magnetic properties of Co-Pt alloys. p.519.

Gil'dengorn, I S., Rogel'berg, I.L. - Investigating high-temperature oxidation of nickel-chromium alloys. p.527.

Dorin, V.A., Tartakovskaia, F M. - Investigating the effect of oxygen formed during the reduction of TiO_2 on the oxidation of titanium p.536.

Savitskii, K.V , Kogan, IU.I., Kudrina, M.P. - Causes of the inability of chilled layers to undergo etching. p.541.

Bychkov, IU.F., Ivanov, V.A., Rozanov, A.N. - Reversibility of $\beta \rightarrow \omega$ transformations in Zr - 16% Nb alloys. p.547.

Rovinskii, B.M., Rybakova, L.M. - Investigating the dependence of mechanical properties on the characteristics of metal structure. p.554.

Zhurkov, S.N., Betekhtin, V.I., Slutsker, A I. - Time dependence of the strength of aluminum-base, two-phase alloys p.564.

Kreimer, G.S., and others. - Strength limit and rupture mechanism of WZ-Co ceramic metal hard alloys under the effect of compression. p.572.

Dudarev, E.F., Panin, V.E. - Suzuki atmospheres in the series of copper solid solutions. p.578.

Ershova, T.P., Poniatovskii, E.G. - Effect of high pressure on the phase equilibrium line of the eutectoid part of the iron-carbon diagram. p.584.

Kliavin, O.V., Stepanov, A.V. - Effect of surface conditions on the jump-like deformation of aluminum at $T = 1.3°K$. p.592.

Gert, L.M., Babad-Zakhriapin, A.A. - Certain characteristics of diffusion processes in the formation of coatings by the condensation method. p.601.

Elkina, T.A., Koroleva, L.I. - Anomalous magnetic properties of ferrites with a ferroxdure-type hexagonal structure. p.604.

Pivovarov, L Kh., and others. - Effect of high pressures and temperatures on tungsten monocarbide. p.606.

Zaitsev, N.A., Smolin, M.D. - Diffusion and thermodiffusion of carbon in 85KhF steel. p.607.

Dutchik, IA.I., Stets'kiv, O.P., Panasiuk, P V. - Thermo-e.m.f. in liquid alloys of the system lead - tin. p.609.

Stark, IU.S., Shparo, N.B. - Effect of the charge in a solid solution of silver in aluminum. p.612.

Papirov, I.I., Tikhinskii, G.F., Finkel', V.A. - Hardening of Be-Ni alloys. p.613.

Avraamov, IU.S., Anoshin, A I. - Effect of hardening on the temperature range of internal friction in transformer steel. p.614.

AKADEMIIA NAUK SSSR. Institut goriuchikh iskopaemykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Mineral Fuels. Transactions]. Moscow, Vol. 20, 1963. [New methods of coal preparation and coking.]

Table of contents translated

Glushnev, S.V., Demidov, L.G., Speranskaia, G.V. - Centrifugal preparation of petrographically heterogenous Kuznetsk Basin coals. p.3.

Remesnikov, I.D. - Comparing the principles of magnetic separator performance with top and bottom feeding during the magnetic separation of coal breeze. p.10.

Remesnikov, I.D., Mikhailova, N.N. - Effect of magnetic additions of various sizes on the preparation of coal and its dedusting. p.20.

Remesnikov, I.D. - Basic regularities in the distribution of sulfur compounds and iron in the products of the magnetic separation of Donets Basin coals. p.28.

Korshunov, V.I. - Coal preparation in a heavy dry medium. p.34.

Gupalo, IU.P., Korovin, V.N. - Reclamation of the filler in air-suspension coal preparation. p.40.

Kirsanova, O.P., Semenov, L.V. - Economic efficiency of air-suspension coal preparation. p.46.

Shubeko, P.Z. - Coal heating to the plastic state in a two-stage vortex chamber. p.51.

Shubeko, P.Z., Spiridonova, L.I. - Processes taking place during the heating of fine-grained coal in vortex chambers. p.71.

Shubeko, P.Z., Nabutovskii, Z.A., Gaevskaia, G.D. - Press with a mixing chamber for the molding of power plant fuel. p.76.

Emtsev, M.T. - Plastic coal mass on the basis of concepts on the physical chemistry of high polymers. p.86.

Speranskaia, G.V., TSikarev, D.A. - Investigating the molding under pressure of a plastic coal mass. p.92.

Geguchadze, R.A., Kurdiukov, A.S., Kangaits, I.L. - Studying the properties of coal during heating stages and the holding at heat in the continuous coking process. p.98.

Geguchadze, R.A., Kurdiukov, A.S. - Effect of certain factors on the formation of a plastic coal mass and the quality of coke produced. p.112.

Geguchadze, R.A. - Forming of a plastic coal mass. p.119.

Edemskaia, N.D., Malashenko, L.P. - Coal destruction during its preparation by heat treatment in the continuous coking process. p.126.

TSikarev, D.A. - Changes in coal volume during its compaction in the plastic state. p.134.

Kazakevich, N.P., Shchukin, P.A., TSikarev, D.A. - Effect of cooling coal briquets on the physicomechanical properties of coke. p.140.

Konovalov, A.K. - Making coke briquets from a mixture of lignite and coal on a testing unit of continuous coking at the Institute of Mineral Fuel experiment station. p.145.

Geguchadze, R.A., Zakhariev, A.I. - Making coke briquets from weakly caking lean Bulgarian coals. p.155.

Taits, E.M., Bronovets, T.M. - Method of determining the plastic properties of coal and lignite. p.159.

Taits, E.M., Bronovets, T.M. - Coal decomposition and state of viscous flow. p.164.

Letova, V.K., Speranskaia, G.V. - Forming of a plastic gas-coal mass in the layer process of coking. p.172.

Nikolaev, I.N. - Effect of certain methods of preliminary coal preparation on the coking process. p.178.

Taits, E.M., Pokrovskaia, F.I. - Making coke from briquetted fuel. p.189.

Davydov, V.P., Semenov, L.V., Fridman, N.L. - Economics of the manufacture of coke briquets from gas, long-flame, and weakly-caking coals. p.198.

Taits, E.M., Andreeva, I.A. - Strength of brown-coal coke. p.208.

Shchukin, P.A., Sychev, V.S. - Possibility of using vibration to intensify the heating and briquetting of coals. p.215.

Makhalov, P.N. - Plasticization of coal breeze by tar-containing gases. p.218.

Enik, G.I., Dmitriev, G.N. - Coking of coal charge mixtures treated with resinous materials. p.229.

Semenov, L.V., Kirsanova, O.P., Davydov, V.P. - Economics of and prospects for the use of peat in the by-product coke industry. p.237.

AKADEMIIA NAUK SSSR. Institut metallurgii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Metallurgy. Transactions]. Moscow, no.14, 1963. [Metallurgy, metallography, physicochemical methods of investigation.]

Table of contents translated:

Kulikov, I.S., Zhmoidin, G.I. - Activity of calcium oxides and sulfides in slag according to data on sulfur vaporization from slag and on its distribution between the cast iron and slag. p.3.

Shchedrin, V.M. - Law of active masses as applicable to the kinetics of metal reduction by carbon. p.13.

Chernyshev, A.M. - "Rule of common tangents" in the thermodynamic construction of constitutional diagrams of binary systems. p.25.

Mchedlishvili, V.A., Samarin, A.M. - Comparative evaluation of the rate of removal from liquid iron of oxide inclusions formed during the deoxidation by aluminum and silicon. p.29.

Averin, V.V., Samarin, A.M. - Effect of silicon on the solubility of oxygen in liquid cobalt and in Co-Fe melts. p.50.

Averin, V.V., Cherkasov, P.A., Samarin, A.M. - Deoxidation of cobalt melts. p.58.

Bannykh, O.A., and others. - Properties of ferritic iron-aluminum alloys. p .68.

Shiniaev, A.IA. - Activation energy and the mechanism of self diffusion of nickel. p.78.

Bondarev, V.V., Shiniaev, A.IA. - Investigating diffusion processes in brazing titanium with a rhenium coating. p.86.

Pavlov, I.M., Rastegaev, M.V., Zharov, V.M. - Deformation of brittle solids p 90

Moguchii, L.N. - Upsetting solids of a prismatic shape with plastic, yielding interlayers. p.101.

Glazov, V.M., and others. - Physicochemical analysis of systems Ge(Si) - A^{III} - B^{V}. p.108.

Drits, M.E., Sviderskaia, Z.A., Rokhlin, L.L. - Effect of addition elements on the properties of alloys in the system Mg - Nd. p.120.

Kadaner, E.S., Oreshkina, A.A. - Investigating the recrystallization of magnesium-cerium alloys. p.130.

Savitskii, E.M., and others. - Interaction of niobium and vanadium with magnesium. p.139.

Savitskii, E.M., Kim, T.A. - Structural changes and the mechanical properties of alloys on the basis of metal compounds by the substitution method of low-melting components. p.147.

Grigorovich, V.K. - Effect of the structure of internal electron shells on the distribution of elements in the D.I. Mendeleev periodic system. p.155.

Grigorovich, V.K. - Place of lanthanides and actinides in the D.I. Mendeleev periodic system of elements and the shift of analog elements in accordance with their chemical properties. p.188.

Grigorovich, V.K. - Periodicity of the structure and properties of lanthanides in connection with their constitutional diagrams. p.212.

Grigorovich, V.K. - Crystal structure of elements and certain regularities in the changes of their atomic radii and mutual solubility. p.227.

Gertseva, N.S. - Polarographic determination of cadmium admixtures in In-Sb and Ga-Sb alloys. p.251.

Nagibin, V.S., Liventseva, E.V. - Determining indium, antimony, and tellurium in alloys. p.255.

Nagibin, V.S., Sluch, A.I., Ivasheva, A.P. - New method of determining zinc. p.259.

AKADEMIIA NAUK URSR, Kiev. Instytut metalofizyky. Sbornik nauchnykh rabot [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of the Physics of Metals. Papers]. Kiev, no.18, 1964.

Table of contents translated:

Butylenko, A.K., Gridnev, V.N. - Characteristics of deformation and changes in the physical properties of chromium-iron alloys. p.3.

Drachinskii, A.S., Moiseev, V.F., Trefilov, V.I. - Conditions of the start of flow and the failure of iron. p.18.

Drachinskii, A.S., Trefilov, V.I. - Conditions of metal fracture. p.22.

Dekhtiar, I.IA., Shalaev, A.M. - Increase in the mobility of atoms in alloys under the effect of gamma irradiation. p.26.

Dekhtiar, I.IA., Polotniuk, V.V. - Changes of dislocation density during the annealing of deformed metal. p.32.

Larikov, L.N. - Changes of volume and thermal effect during the heating of deformed metals. p.35.

Arbuzova, I.A., Khandros, L.G. - Effect of stresses on the deformation of alloys of copper with aluminum and nickel in the temperature range of the martensite transformation. p.40.

Gridnev, V.N., and others. - Investigating the behavior of nozzle blades in conditions of steady and unsteady heat flow. p.47.

Arbuzova, I.A. - Nature of cellular structure in nickel-base heat-resistant alloys. p.54.

Glazov, A.P., Tikhonov, L.V., Khazanov, M.S. - X-ray investigation of the surface of nozzle blades tested for heat-resistance. p.60.

Koval', IU.N., Khandros, L.G. - Effect of plastic deformations of the gamma phase on hardening with subsequent martensite transformation of iron-nickel alloys. p.69.

Kozyrskii, G.IA., Okrainets, P.N. - Polygonization in nickel during creep. p.74.

Kozyrskii, G.IA. - Deformation and structural changes in nickel during an even application of load. p.83.

Meshkov, IU.IA. - Critical points in the polymorphic transformations of iron during rapid heating. p.90.

Gridnev, V.N., Meshkov, IU.IA., Oshkaderov, S.P. - Critical points of pure iron during rapid electric heating. p.96.

Gridnev, V.N., Meshkov, IU.IA., Chernenko, N.F. - Critical points of titanium-iron alloys during rapid heating. p.100.

Gridnev, V.N., Minakov, V.N., Trefilov, V.I. - Mechanism of the formation of austenite at high rates of heating. p.107.

Gridnev, V.N., Petrov, IU.N. - Electron microscopy of the diffusion of carbide phases during the electric heating of chromium steel. p.116.

Kurlikovskaia, M.P., Lysak, L.I. - Effect of tungsten, molybdenum, and carbon on crystal structure changes of the component phases in austenitic steels during the decomposition of a super-saturated γ-solid solution. p.123.

Krulikovskaia, M.P., Lysak, L.I. - Effect of alloying elements on the orientation and the rate of the carbide phase isolation in the decomposition of austenite. p.129.

Lysak, L.I., Drachinskaia, A.G. - Effect of defects in the crystal structure of hardened steel martensite on the mechanism and the kinetics of martensite decomposition. p.136.

Lysak, L.I., Drachinskaia, A.G. - Changes in the defects of the crystal structure of martensite at the first stage of decomposition. p.143.

Lysak, L.I., Timofeeva, A.I. - Orientation and mechanism of the formation of cementite during its isolation from austenite. p.152.

Geichenko, V.V., Ryzhkov, V.I. - Theory of the ordering of alloys with a hexagonal close-packed lattice. p.155.

Polotskii, I.G., Mordiuk, N.S. - Damping of elastic vibrations in Cu-Be and Cu-In alloys during phase transformations. p.163.

Shurin, A.K., Dmitrieva, G.P. - Constitutional diagram of the chromium-ruthenium alloy. p.170.

Shurin, A.K., Dmitrieva, G.P. - Constitutional diagram of the niobium-cobalt alloy. p.175.

Lesnik, A.G. - Roughness of sublayer surfaces and the coercive force of films. p.178.

Levin, G.I., Kaverina, S.N. - Coercive force and the induced structure of permalloy films. p.183.

Skvorchuk, V.P., Khar'kova, G.V. - X-ray determination of secondary stresses and the size of blocks in thin permalloy films. p.187.

Dekhtiar, I.IA., Levina, D.A. - Effect of plastic deformation on the magnetization saturation of ferromagnetic materials. p.189.

Dekhtiar, I.IA., Litovchenko, S.G., Mikhalenkov, V.S. - Annihilation of positrons with electrons in gadolinium. p.198.

Borisov, N.D., Nemoshkalenko, V.V. - X-ray investigation of the electron structure of alloys in the system titanium - chromium. p.202.

Dekhtiar, I.IA., Polotniuk, V.V. - Changes in the rate of magnetic polarity reversal in nickel during annealing following deformation and hardening. p.206.

Polotniuk, V.V. - Effect of hardening conditions on the coercive force of nickel. p.212.

Meshkov, IU.IA., Oshkaderov, S.P. - Methods of temperature recording during ultra high-speed heating of iron. p.216.

Minakov, V.N., Trefilov, V.I. - Spectrometric resolution of a scintillation counter in the recording of soft X rays. p.220.

Shurin, A.K. - Differential highly sensitive dilatometer with heating in an inert atmosphere. p.222.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol.42, no.6(444), June 1963.

Table of contents translated:

Polaudin, A.M. - Prospects for finding gas and oil in the "hiatus" series of the Peschanyy-more Area. p.1.

Mustafaev, M.M., and others. - Underground waters of the Bibieybat oil field. p.4.

Abasov, A.S., Guseinov, M.R. - Certain problems concerning the geological structure and conditions for the drilling of wells in the Karabagly Area. p.6.

Aliev, F.S., Guseinova, A.A. - Engineering-geology conditions governing the marine electric power transmission cable to the north-northeast of Alyat Cape. p.9.

Kerimov, E.B., Rzaev, A.S., Shevtsov, A.S. - Lowering an 8 5/8" liner into the deepest well in the Soviet Union. p.11.

Faradzhev, T.G., Makhmudov, D.M., Bagirov, A.IU. - Features of well-bottom cleaning out in turbine drilling. p.13.

Kuliev, S.M., Es'man, B.I., Grigorian, N.A. - Determining the hydraulic radius for the annular space of slant holes. p.15.
Gabuniia, G.V., Karasik, G.E. - Graphic determination of the speed of the submergence and rise of drilled-out rock particles depending on the quantity and quality of the drilling fluid. p.18.
Mamedov, B.M., and others. - Commercial test of the sand-jet method for well perforation. p.21.
Bezirov, R.R., Aleskerov, S.S., Martirosov, S.G. - Determining the minimal gas flow rate required to lift a liquid condensate from the well bottom. p.24.
Denisov, F.I., Nabiev, N.N., Salimov, T.I. - Calculating the fractional composition and the injection sequence of a quantity of sand in hydraulic fracturing.
Aliev, I.M., and others. - Results and efficiency of the acidization of injection wells in the Neftyanyye Kamni oil field. p.29.
Bagirov, M.K. - Effective sand injection in hydraulic fracturing. p.31.
Kuliev, R.Sh., Kevorkova, I.S. - Obtaining lubricants from a mixture of Baku paraffin oils. p.34.
Ashumov, G.G., Mirdzhavadova, M.M., Allakhverdiev, A.A. - Developing a method for the separation of methylcyclopentane from gasoline fractions. p.36.
Abdullaev, A.A., and others. - Commercial-test operation of a moisture analyzer for VN-1 oil. p.38.
Kuliev, I.P., and others. - Shifting of a pipeline lying freely on the bottom under the action of hydrodynamic forces when the sea is agitated. p.41.
Sheidaev, Ch.M. - Cableless perforator. p.43.
Kaufman, V.P. - Determining the economic efficiency of new equipment in petroleum production. p.45.
Competition for the design of highly-efficient bits for the drilling of wells at a depth of five to ten thousand meters. p.48.

Vol. 43, no. 2(452), Feb. 1964.
Table of contents translated:
Pototskii, E.V. - Nature of the relationships between the structural patterns of the Miocene-Oligocene and Pliocene complexes of southeastern Kobystan. p. 1.
Makhmudova, V.M. - Nature of the relief of the sedimented basin of the lower sector of the producing formation in the southern coastal line of the Apsheron Peninsula. p.4.
Zeinalov, Z.I., Dadashev, M.N., Aminali, IA.M. - Features of the reservoir waters of the Sub-Kirmaki series in the Gyurgyany-More oil field. p. 7.
Patrusheva, V.D. - Distribution of iron, sulfur, and organic carbon in the Mesozoic sediments of Daghestan. p.10.
Agalarova, D.A., Liberzon, I.M - Microfauna investigation of thin sections based on clays of the Maikop. p 12.
Mekhtiev, E.Kh., Safarov, IU.A., Shamkhalov, D.A. - Cementing casing strings under conditions of circulation loss. p.13.
Avetisov, I.G., Kasparov, G.G., Sokov, IU.I. - Drilling wells in lost-circulation zones with side tracking and two-hole drilling using aerated mud in fields of the Oil Field Administration of the Lenin Petroleum Trust. p.14.
Gasanov, G.T. - Approximate solution of a problem concerning the nonsteady motion of viscoplastic fluids. p.16.
Bagarov, T.IU. - Estimation of commercial oil reserves based on field data. p.19.
Gadzhiev, D.A., Buriakovskii, L.A. - Maximum yields and exploitation times of marginal offshore wells. p.21.
Nadzhafov, N.N. - Sloughing of sand in the exploitation of deep-pumping wells. p.25.
Fukson, O.A. - Determining the conditions for the withdrawal of pulp in cleaning away sand with a jet apparatus. p.27.
Technical patent division of the M.F. Akhundov Library of the Azerbaijan Republic. pp.29, 45.
Kuliev, A.M., Zeinalova, G.A., Mushailov, A.E. Obtaining a multifunctional additive(barium salt of the condensation products of alkyl phenol with formaldehyde under plant conditions. p.30.
Veliev, K.G., Mardanov, M.A., Makhmudbekova, M.I. - Results of an investigation of individual Baku oils with view to obtaining high-quality diesel fuels. p.32.
Aliev, D.A., Agaeva, Z.G. - Establishing the isomer content of xylene in the pyrolysis products of oil distillates. p.35.
Petrov, A.P. - Using thermally cracked reflux in the production of surfactants. p.37.
Sattar-Zade, A.Dzh., Sattar-Zade, I.S. - Investigating the effect of certain factors on the optical activity of heavy petroleum fractions in the presence of aluminosilicates. p.39.
Rosin, I.I., Kaplan, A.R. - Comparative tests of hydraulic piston pumps. p.41.
Guseinov, M.A., Mamedov, A.A. - Decrease in the penetrating power of a perforator bullet moving along the borehole. p.44.
Gombiner, B.IA - Determining the economic efficiency of new equipment on oil fields p 46.
Buladov, A I, Sidorov, N.A - Useful book for drillers. p.47

Vol. 43, no. 3(453), Mar. 1964.
Table of contents translated·
Sul'tanov, K.M., Samedov, S.S., Kalifa-Zade, Ch.M. - Structural features of the Jurassic sediments of Southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials. p.1.
Bagir-Zade, F.M., and others. - Influence of granulometric composition and carbonate content on the porosity and permeability of the rocks of a producing series. p.4.
Guseinov, F.M. - Characteristics and conditions governing the formation of stratigraphic pools in the Sub-Kirmaki series of fields in the southwestern part of the Apsheron Peninsula. p.7.
Vezirova, R.Kh. - Developing the Supra-Kirmaki sand series in the Koshanour region of the Balakhany-Sabunchi-Ramany field. p.10.
Seid-Rza, M.K., Nazirov, S.A., Kerimov, N.K. - Change in the hydrodynamic pressure at the well bottom on hoisting a drilling tool. p.12.
Kuliev, A.E., Guseinov, F.M., Ragimov, A.I. - Experimental investigations of the effect of drilling parameters on the dimensions and shape of borings. p.15.
Kasum-Zade, D.S., Dedusenko, G.IA., Markarova, T.A. - Chemical reagent for the treatment of muds based on a ligroin-kerosine fraction of crude phenols. p.18.
Shchetkina, E.D., and others. - Determining the quality of a powder carbon-alkali reagent. pp.20, 33.
Guseinov, G.P., and others. - Determining the ultimate yield and analyzing the results of edge water flooding of beds with conditions approaching those of the water drive. p.22.
Dzhalilov, K.N., Rustamov, IA.R. - Regularities in the flooding of linear well lines. p.24.
Bal'tser, V.IA., Gukasov, N.A. - Determining the pressure of a static column of gas. p.26.
Alidzhanov, G.A. - Determining the minimum permissible yield required for the complete withdrawal of a condensate. p.28.
Sheremet'ev, V.A., Barannik, V.P. - Film corrosion inhibitor for petroleum production equipment. p.29.
Abdullaev, A.A., Ginzburg, M.IA. - Automatic data processing in systems of centralized production control. p.31.
Dzhuvarly, Ch.M., and others. - Improving the technique in the alkali purification of diesel fuels. p.34.
Ashimov, M.A., and others. - Studying the demulsifying properties of surfactants synthesized on a base of polymers in the "Neftegaz" plant. p.37.
Ashumov, G.G., and others. - Investigating the extraction of paraffin hydrocarbons of normal structure from gasoline-ligroin fractions using molecular sieves. p.39.
Mamedova, V.D., Akhmedov, Sh.T., Aliev, D.A. - Cryoscopic determination of the purity of xylenes. p.42.
Krasnobaev, A.V. - Testing new designs of a lock support without a spring anchor. p.44.
Manafov, A.G., Tagiev, M.B. - Certain reserves for reducing the production cost of synthetic rubber. p.47.

Vol. 43, no. 5(455), May 1964.
Table of contents translated:
Imanov, A.A. - Physicomechanical properties of the rocks of a producing series in the Sangachaly-More-Duvannyy Island fields. p.1.
Gaziian, N.I., Seifullova, M.U. - Reservoir properties of the rocks of a producing series in the Peschanyy-More field in connection with the calculation of oil and gas reserves. p.3.
Aliev, A.I. - Prospects for finding gas and oil in the Akchagyl' sediments of the Kura oil and gas bearing region. p.6.
Orudzheva, D.S., Parnov, E.I. - Behavoir of the oil-water surface and the distribution of fluids in oil and gas pools. p.9.
Orudzhev, V.A. - Lithofacies sediments of the Kirmaki and Sub-Kirmaki series in a producing formation of the Apsheron Archipelago. p.11.
Es'man, B.I., Gulizade, L.G. - Determining the hydraulic roughness in pipes for electric drilling. p.14.
Mamedov, N.N., Ibragimov, D.K., Mdivani, A.G. - Conditions governing the pressing of drill pipes against the well wall. p.16.
Velibekov, R.M. - Practicability of using multistage cementing in present-day conditions. p.18.
Kapustin, I.IA. - Using a hydraulic elevator in drilling. p.19.
Conference of drilling foremen. p.20.
Nazarov, S.S. - Incremental oil production from the upper section of a producing series in the Lenin region. p.21.
Shcherbakov, G.V., Balakirov, IU.A. - Determining the reservoir parameters from the results of an investigation of pumping wells. p.24.
Abbasov, Ch.I. - Efficiency of injecting coarse-grained sand into the bottom zone of sand producers. p.26.
Zaitsev, IU.V., Vol'skaia, E.M., Khasaev, A.M. - Structural-mechanical properties of mixtures used in stimulating the bottom zone. p.29.
Mamedov, A.A. - Determining the external load on the casing string in the filter zone when exploiting wells. pp.30, 48.
Ismailov, R.G., Aliev, D.A., Ivanova, T.M. - Tar from the pyrolysis of gaseous hydrocarbons as a product for obtaining biphenyl and benzene. p.33.
Mamedova, R.K., Kuliev, A.M., Sadykhov, K.I. - Obtaining phosphor-sulfur containing organic compounds from the polymers of unsaturated hydrocarbons and investigating them as additives to lubricating oils. p.37.
Gadzhiev, F.M. - Determining the effects of waves on individual supports (piles) and open structures. p.39.
Kiiasbeili, A.Sh., Perel'shtein, M.E., Dzhafarov, A.G. - Device for the automatic introduction of corrections for temperature and pressure into the readings of a gas meter. p.41.
Farzalibekova, Z.G., Kasum-Zade, N.G. - Corrosion of stainless steels in naphthenic acids. p.44.
Berkolaiko, Z.M., Bagiriants, R.S. - Index of the drilling cycle speed. p.46.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol. 17, no. 4, Apr. 1964.
Table of contents translated·
Voloshinskii, A.N., Bolotin, G.A. - Microscopic theory of magneto-optical effects in ferromagnetic materials. p.481.
Kovalev, O.V - Symmetry of magnetic crystals with a non-zero integral moment close to the Curie point p.490.
Gurov, K.P., Pekarev, A.I - Theory on the effect of impurities on the thermoelectron emission of tungsten. p.500.
Ul'ianov, R.A, Kovtun, S.F - Effect of alloying on the electric resistivity of titanium. p 505.
Bol'shanina, M.A., Korotaev, A.D. - Investigating the kinetics of low-temperature transformations in permalloys. p.512.
Gratsianov, IU.A., Rabin'kin, A.G. - Effect of preliminary plastic deformation on the magnetic properties of Co-Pt alloys. p.519.
Gil'dengorn, I S., Rogel'berg, I L. - Investigating high-temperature oxidation of nickel-chromium alloys. p.527.
Dorin, V A., Tartakovskaia, F.M. - Investigating the effect of oxygen formed during the reduction of TiO_2 on the oxidation of titanium. p.536.
Savitskii, K.V., Kogan, IU.I., Kudrina, M.P. - Causes of the inability of chilled layers to undergo etching. p.541.
Bychkov, IU.F., Ivanov, V.A, Rozanov, A.N. - Reversibility of $\beta \rightarrow \omega$ transformations in Zr - 16% Nb alloys. p.547.
Rovinskii, B.M., Rybakova, L.M. - Investigating the dependence of mechanical properties on the characteristics of metal structure. p.554.
Zhurkov, S.N., Betekhtin, V.I., Slutsker, A.I. - Time dependence of the strength of aluminum-base, two-phase alloys. p.564.
Kreimer, G.S., and others. - Strer
rupture mechanism of WZ-Co ce

[illegible], K. P., and others. - A[illegible] of the Young's [illegible] rare earth ferromagnetic elements p. 617
[illegible], I. I., Mo[illegible], M. I. - Formation of joints [illegible] welding of metals p. 619
M[illegible], O. S. - Necessary condition for intercrystalline fracture in the rupture of metal with an [illegible] p. 622
Pa[illegible], [illegible] - Effect of ultrasonic [illegible] properties of thin films p. [illegible]
A[illegible], F. G., and others. - Effect of ultrasonic [illegible] of carbide grains during [illegible] carbon steel p. 621
[illegible], V. V., and others. - Temperature [illegible] of the electric resistance of a single [illegible] p. 627
[illegible], M. [illegible] - Remarks on the theory of superconductors with singlet and triplet pairs p. 629
[illegible], I. [illegible], Ginzburg, V. L. - Possibility of the existence of surface ferromagnetism p. [illegible]
[illegible], S. T. - Accelerating the ordering of atoms and increasing the strength of metals during cyclic heat treatment (TSTO) in vacuum p. 633
[illegible], V. I., Pop, Iuliu - Antiferromagnetism of Ni-Cr alloys p. 636
[illegible], S. I. - Effect of a third element and the structure of [illegible]-type iron-nickel alloys on the ΔE effect and their physical anomalies p. 638

Vol. 17, no. 5, May 1964

Table of contents translated

Ish[illegible]kharmetov, B. Kh. - Interaction of sound with spin waves. Part 2 p. 641
Kalash[illegible]kov, V. P. - Quanta oscillations of thermomagnetic coefficients p. 651
Tkachev, V. A., Vladimirov, V. I. - Vacancy mechanisms of a temperature aftereffect p. 655.
Bar'iakhtar, V. G., Shishkin, L. A. - Theory of the magnetization of ferromagnetic materials with two magnetic sublattices p. 664
Teles[illegible], R. V., Nikitina, T. N. - Effect of anisotropy dispersion on the dynamic properties of thin permalloy films p. 672
Pogosian, IA. M. - Changing thin ferromagnetic films in the direction of difficult magnetization. p. 678
Dr[illegible]kin, A. I., and others. - Temperature dependence of the first anisotropy constant in single crystals of iron-nickel ferrites p. 684
Saenko, G. P. - Effect of neutron irradiation on the magnetic moment of the Fe_3Al alloy p. 689
Telesnin, R. V., Saraeva, I. M., Shishkov, A. G. - Magnetic anisotropy of films obtained by the simultaneous effect of an external magnetic field and the oblique incidence of a molecular beam. p. 693
Volkov, D. I., Pshenichkin, P. A., Bublik, N. I. - Anomalous temperature dependence of the paramagnetic susceptibility of certain manganese alloys p. 698
Lysak, L. I., Nikolin, B. I. - Studying the relief in $\gamma \rightarrow \epsilon$ transformations on single crystals of Fe-Mn-C steel p. 703
Lysak, L. I., Nikolin, B. I. - Morphology and orientation of α-martensite in single crystals of Fe-Mn-C steel. Part 3. p. 708
Zaitsev, V. I., Gorbach, V. G. - Changes in structure and strength properties during the heating of an alloy deformed in the martensite state p. 714.
Indenbaum, G. V., Tiraspol'skii, V. I., Fishman, IU. M. - Obtaining single crystals of pure aluminum by the method of "deformation-annealing" and their substructure. p. 719.
Palatnik, L. S., and others. - Electronography and X-ray study of the substructure of thin films of nickel and iron condensed in vacuum p. 726.
Fedotov, S. G., Belousov, O. K. - Elastic constants of alloys in the system titanium - niobium p. 732
Aksenov, G. I., Morozov, N. P., Chaika, V. A. - Investigating final structural deformations and the amount of residual austenite in hardened roll steel p. 737
Asaturov, A. A., and others. - Moments of plastic microdeformations p. 744
Tomenko, IU. S., Driukova, L. N. - Microheterogeneity of deformation in steel subject to temper brittleness. p. 750.
Popov, L. E., Kozlov, E. V. - Theory of the hardening of ordered solid solutions. p. 755.
Fuks, M. IA., Koz'ma, A. A. - X-ray investigation of the defects of packing in a deformed permalloy. p. 760.
Demkin, IU. I. - Movement of dislocations in a deformed molybdenum crystal. p. 768.
Mel'nikov, L. A., Sokolov, B. K., Stregulin, A. I. - Effect of high pressures on transformations during the tempering of ShKh15 steel. p. 769.
Verte, L. A. - Magnetohydrostatic purification of liquid metal from nonmetallic inclusions. p. 772.
Skakov, IU. A., Mezhennyi, IU. O., Edneral, N. V. - Defects of packing and segregation in cobalt-base alloys. p. 773.
Barhanova, N. V. - Connection between Hall's constant and electric resistance in Fe - Ni alloys. p. 774
Aizentson, E. G., Malinin, P. A., Uvarov, A. I. - Decomposition of the residual austenite of KhVG steel under the effect of ultrasonic vibrations. p. 777.
Kelarev, V. V., Kliushin, V. V., Liashchenko, B. G. - Dependence of the magnetic structure of $FePt_3$ alloys on the degree of long-range ordering. p. 779.
Bunov, N. N., Zakharova, R. R., Rakin, V. G. - Structure of Guinier-Preston zones and metastable precipitates in aluminum-silver and aluminum-copper alloys. p. 782.
Roikh, I. L., and others. - Investigating the atmospheric corrosion of vacuum condensates of zinc by photographic, optical and weight methods p. 784.
Abramov, O. V., Teumin, I. I. - Role of cavitation phenomena during the crystallization of metals in a field of elastic vibrations. p. 786.
Kunin, N. F., and others. - Energy absorption by copper during small deformations. p. 789.
Mural', V. V., Gruzin, P. L. - Effect of alloying on the diffusion of phosphorus in austenite. p. 792
Saidov, M. S. - Investigating solubility and the coefficient of distribution in multicomponent systems p. 795.
Panin, V. E., Kuznetsova, L. D. - Nature of transformations in unformed α-brasses p. 798

Vol. 17, no. 6, June 1964.

Table of contents translated:

Svidzinskii, A. V., Sliusarev, V. A. - Method of the quasi-mean in the Fermi system theory with a nonzero orbital moment of pairs. p. 801.
Iveronova, V. I., Katsnel'son, A. A. - Size effect in the Fe-W alloy. p. 809.
Rodionov, K. P. - Determining the compressibility of metals and alloys. p. 813.
Bol'shova, K. M., Elkina, T. A. - Determining the field induced constant of uniaxial magnetic anisotropy in Mn-Fe ferrites. p. 819.
Polistrant, M. E., Moskalenko, V. A. - Variational principle in the thermodynamics of superconducting systems. p. 827.
Telesnin, R. V., Kolotov, O. S. - Investigating the effect of a transverse magnetic field on the rate of magnetic reversal of thin permalloy films. p. 834.
Volkov, D. I., Kozlova, T. M. - Temperature dependence of the Hall effect in Ni-Mo alloys. p. 838.
Sadovskii, V. D., and others. - Effect of high temperature thermomechanical working on the heat-resistant properties of the KhN77TIUR alloy. p. 845.
Liubchenko, A. P., Mozharov, M. V., Sherman, D. G. - Despheroidizing effect of bismuth on the graphite phase in cast iron. p. 853.
Ivanov, V. E., and others. - Certain characteristics of the siliconizing of high-melting metals in vacuum. p. 862.
Palatnik, L. S., Fedorenko, A. I. - Growth of beryllium condensates. p. 866.
Antonova, V. A., Kosevich, V. M., Palatnik, L. S. - Transformations of cobalt from a hexagonal to a cubic structure in condensation films. p. 872.
Bolgov, I. S., Smirnov, IU. N., Finkel', V. A. - Phase transformations in cobalt. p. 877.
Savitskii, A. P., Savitskaia, L. K. - Investigation of pore forming in cadmium during repeated hardening. p. 886.
Vasiutinskii, B. M., Kartmazov, G. N., Papirov, I. I. - Surface structure and the properties of acicular chromium crystals. p. 892.
Burova, N. N., Maslenkov, S. B., Estulin, G. V. - Studying the nature of niobium and niobium alloy layers underlying scale. p. 898.
Lozinskii, M. G., Pertsovskii, N. Z. - Mechanism of polycrystalline metal failure at high temperatures. p. 903.
Indenbaum, G. V. - Effect of the critical degree of deformation in aluminum. p. 909.
Kagan, A. S. - Investigating the plastic deformation of a polycrystal by its change of texture. p. 917.
Dudarev, E. F., Panin, V. E., Nikitina, N. V. - Temperature dependence of impurity concentration in Suzuki atmospheres in a number of solid solutions. p. 924.
Almazov, A. B. - Reestablishment of the phonon spectrum of a single crystal of copper from individual experimental data by the theta expansion method. p. 931.
Zyrianov, P. S., Silin, V. P. - Quantum theory of thermomagnetic phenomena in semiconductors and metals. p. 934.
Lobodiuk, V. A., Khandros, L. G. - Determination of a macroscopic shift during martensite transformations in Cu-Al-Ni alloys. p. 936.
Gratsianov, IU. A., Rabin'kin, A. G. - Saturation magnetization and the Curie points in ordered alloys of the system cobalt - platinum. p. 938.
Dutchik, IA. I., Stets'kiv, O. P., Lysyi, S. I. - Thermoelectromotive force in liquid alloys of the system antimony - bismuth. p. 940.
Konlakhin, I. R., Mitrofanov, B. P. - Determining losses for mechanical hysteresis in a discrete contact. p. 941.
Zubekhin, V. P., Novokreshchenov, N. D. - Effect of low-melting metal coatings on the thermal fatigue of NP-2 nickel. p. 943.
Contents of volume 17. p. 945.
Alphabetical index. p. 951.

GAZOVOE DELO [GAS INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 3, 1963

Table of contents translated:

IUdin, E. IA. - Most important problems of technological progress in the gas-production industry. p. 3.
Berkun, V. A. - Determining the initial gas reserves of interacting fields. p. 6.
Zarnitskii, G. E., Konovalov, V. A., Korablin, V. V. - Investigation of the operation of a starting turbine in gas-distributing station No. 4 in Krasnodar. p. 9.
Shein, P. N. - Determining the optimal period for constant gas production and the total number of wells in a gas pool. p. 13.
IUnker, B. M. - Stop device for large pipelines. p. 15.
Dobrokhotov, V. D. - Operation and efficiency of a compressor station with double-stage centrifugal pumps. p. 20.
Khil'shtein, IU. N. - Smelting cast iron in coke-gas cupolas. p. 30.
Ravich, M. B. - Determining the coefficient of gas utilization in processing furnaces in the separation of carbon dioxide. p. 33.
Girko, L. A. - Flow of liquefied gas from a spherical reservoir. p. 37.
Bobrovskii, S. A. - Use of floating level meters. p. 38.
Korovin, V. M. - Automatic control of the start-up of stand-by units in a compressor station with electric drive. p. 42.
Podreshetnikov, V., IUnik, L. - Using a vibro-signaling apparatus as an anti-pump device. p. 44.
Gas fields. Gas production. Gas pipeline construction. Underground storage. Use of Gas. New instruments. Miscellany. p. 46.

No. 6, 1964.

Table of contents translated:

Bulychev, G. A., Petukhov, V. I., Panasov, B. V. - Experience in and prospects for the exploitation of low-pressure gas pools in the Volgograd region by ejection. p. 3.
Gateulnov, S. S., and others. - Combined planning of the development of a non-commercial gas field with a large gas-potential region. p. 7.
Zakharov, G. I. - Analyzing the operation of the Stavropol-Moscow and Krasnodar Territory-Serpukhov system of gas pipelines. p. 16.
Zhukov, A. I., Bernad, V. V. - All-purpose unit for the odorization of gas in a gas pipeline. p. 20.
Tkachenko, V. N. - Modeling the system of the "track-network-ground-network of underground structures. p. 24.
Aronov, I. Z. - Rated-design and operational indices for a contact water economizer. p. 29.
Kostiuk, V. I., Cheglikov, A. G. - New method for reducing petroleum gases. p. 32.
Razakov, R. M. - Certain problems in the economics of gas distribution to the cities of Uzbekistan. p. 37.
Konstantinova, N. K., Suslovich, N. L. - Natural gas in Italy. p. 43.

No. 7, 1964.

Table of contents translated

Margulov, G. D., Tverkovkin, S. M., Khudiakov, O. F. - Some problems in setting up the Gazli gas field. p. 3.
Motiakov, B. I., Bal'tser, V. IA. - Some gas-dynamic calculations of the simultaneous development of two gas-bearing strata in one well. p. 5.
Arutiunov, A. I. - Designing a commercial high-pressure centralized gas gathering network of minimal weight. p. 13.
Il'skii, O. G. - Automatic control of the gas-motor compressors on the Saratov-Moscow gas pipeline. p. 19.
Balasanov, D. B., Emirshakh, E. A. - Remote-control corrector to pressure regulators for gas-regulation points. p. 24.
Reshetnikov, G. I. - Mobile electric-measurement laboratory on the UAZ-450 motor vehicle for the investigation of stray currents. p. 28.
Kotel'nikov, A. V. - Technical and economic calculation of anode grounding. p. 31.
Rokhlina, I. A. - Fast method for determining the heating capacity of hydrocarbon gases. p. 37.

Kazarian, IU. A. - Gas burners for drying paint and varnish coatings. p. 37.
Losev, B. I., Monina, M. L. - Recent data on the use of plastics in the oil and gas industry abroad. p 39.
Kozlov, I. M. - Standard designs for the electric protection of underground pipelines from corrosion formulated by the State Institute for the Design of Pipelines in 1963. p 43.
Natural gas in the United States. p 47.
Transportation of gas under complicated conditions. p .9

GEOLOGIIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Geological Committee of the U S S. R and the State Production Committee for the Gas Industry of the U. S. S. R.]. Moscow, vol 7, no. 11, Nov. 1963.
Table of contents translated:
Vasil'ev, V. G., Khanin, A. A. - Distribution of oil and gas pools in the cross section of the sedimentary mantle of the U. S. S. R. p. 1.
Kalinin, V. I., and others. - Trends in prospecting for gas- and oil-bearing structures in the Buzuluk trough and adjacent regions. p. 6.
Dolitskii, V. A., Kucheruk, E. V. - Using detail paleogeological maps in oil and gas prospecting. p. 13.
L'vovskii, IU. M. - Principles of tectonic regionalization in connection with oil and gas prospecting. p. 18.
Edel'shtein, A. IA. - Determining the formation time of gas pools. p. 20.
Melik-Pashaev, V. S., Kochetov, M. N., Lisunov, V. R. - Reservoir oil yield depending on the volume of water passed through the pool. p. 23.
Valuiskii, A. A., Simonov, M. E., Shakhunov, V. M. - Determining the volume of reservoirs with various lithological and physical properties. p. 28.
Churlin, V. V., Sergeev, L. A. - Using seismic prospecting to isolate the producing section of an oil reservoir. p. 34.
Brylkin, IU. I., Signal, L. A. - Combined geophysical investigations in the West Siberian Plain. p. 38.
Popov, V. K. - Combined geophysical investigations of wells in western Ciscaucasia. p. 42.
Dvoretskii, V. G., Nestorenko, N. G., Ruchkin, A. V. - Improvement of methods and combined geophysical investigations of the carbonate sediments of the Volga-Ural region. p. 47.
TSlav, L. Z., Laptev, V. V. - Determining the oil-water saturation and position of the oil-water surface in carbonate reservoir rocks of fields in the Volga Valley portion of Kuybyshev Province by combined radiometric methods. p. 53.
Lutsenko, B. N. - Studying the structure of the western edge of the Caspian Lowland by a seismic method. p. 55.
Stankevich, E. F. - Concerning the book "Formation of the Paleozoic sediments of the Volga Valley portion of Kuybyshev Province." p. 58.
Information. p. 60.

Vol. 7, no. 12, Dec. 1963.
Table of contents translated:
Ovanesov, G. P., IAkupov, I. A., Kamaletdinov, M. A. - Evaluating the prospects for finding gas and oil in the Zilair synclinorium. p. 1.
Andreev, V. N., and others. - Structure of the eastern sector of the Zhiguli swell in connection with oil prospects. p. 6.
Vorozhbit, A. L., Finansov, V. N. - Development of the Kama-Kinel' Depression in Orenburg Province. p. 12.
IUrchuk, I. M. - Geological prospecting for oil and gas in the Kama Arch. p. 15.
Belov, A. V. - Permeability distribution in the principal producing horizons of the oil fields in the Volga-Ural region. p. 18.
Krashena, P. A. - Geological structure and the oil potential of the terrigenous Devonian sediments of the Novo-Yelkhovskoye oil field in the Tatar A. S. S. R. p. 23.
Popovin, V. V. - Dislocation with a break in continuity in the Tatar Arch. p. 26.
Zeidan, Selim. - Geothermal characteristics of the Tuymazy oil field. p. 29.
Blakov, IU. A., Shikhov, S. A. - Combining geophysical methods when investigating the marginal section of the Kama-Kinel' Depression. p. 35.
Martirosova, A. O. - Natural radioactivity of the sedimentary rocks of certain regions in Azerbaijan. p. 36.
Karpov, P. A., and others. - Unconformity in the Upper Frasnian substage in the western part of Volgograd Province. p. 41.
Shutskaia, E. K., and others. - Stratigraphic diagram of the Danian stage, the Paleogene, and the Lower Miocene of the western part of Central Asia. p. 44.
Khaliauddin, M. - Cooperation between the Soviet Union and Pakistan in petroleum prospecting. p. 47.
Kalinin, S. I. - Prospecting for oil and gas in Africa in 1962. p. 48.
Sazonov, N. - Sixth Congress of the Carpatho-Balkan Geological Association. p. 50.
Akhmed Niurmukhamedovich Mustafinov; obituary. p. 52.
Alphabetical index of article published in the journal "Geologiia nefti i gaza" for 1963. p. 63.

Vol. 8, no. 8, Aug. 1964.
Table of contents translated:
Tkhostov, B. A., L'vov, M. S., Vasil'ev, V. G. - Principles for the prospective planning of production and and increase in the oil and gas reserves. p. 1.
Gurari, F. G., Bliznichenko, S. I. - Nizhne-Vartovskoye arch, a large zone of oil and gas accumulation. p. 8.
Bazhenova, T. K., Vysotskii, V. I., Seregin, A. M. - Comparative evaluation of the prospects for finding gas and oil in the Yenisey portion of the Siberian Platform. p. 16.
Babalan, G. D. - Recent data on the geological structure and oil and gas potential of the Vilyuy syneclise. p. 19.
Antsiferov, A. S. - Results of deep drilling in the region of the Zhigalovo bar. p. 24.
Litvinenko, O. K., Melikhov, V. R. - Certain geological results of the interpretation of gravimetric data on the southwestern portion of the Vilyuy trough. p. 29.
Polushkin, A. S., Sanin, V. P. - Ust'-Balyk oil field and methods for its commercial prospecting. p. 33.
Ivanov, E. A., Karaseva, V. I. - Tectonics of the Markovo oil-bearing region. p. 36.
Bareev, R. A., Faizullin, L. D. - Time of the formation of local structures and the oil fields of the Yelabuga-Bondyug zone of uplifts. p. 39.
Il'ina, N. S., Frukht, D. L. - Oil and gas potential of the Devonian sediments of the central areas of the Russian Platform. p. 44.
Dragunskii, A. K., Ishaev, U. G. - Prospects for finding oil in the Ufa region of Bashkiria. p. 48.
Andreev, R. I. - Determining the dislocations with a break in continuity and their age from seismic prospecting data. p. 54.
Snarskii, A. - Concerning M. A. Zhdanov's book "Oil and gas field geology." p. 57.
Kalinko, M., Raaben, V. - Discussing the most important questions of oil and gas geology. p. 60.
Glorious anniversary. p. 63.
From the editors. p. 3 of cover.

KEMEROVO. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'STVA UGOL'NYKH I GORNORUDNYKH PREDPRIIATII. Trudy [SCIENTIFIC RESEARCH INSTITUTE FOR THE BUILDING OF COAL AND ORE-MINING ENTERPRISES. Transactions]. No. 1, 1963.
Table of contents translated.
Foreword. p. 3.
Medvedev, I. G., Muzykantov, S. P., Oblomskaia, N. I. - Efficient systems of deepening shafts in the opening-up of lower levels. p. 6.
Duda, E. G., Popov, I. N., Umnov, N. R. - Improving the technology and labor organization of loading rock and drilling holes in the sinking of vertical shafts. p. 20.
Balakhonov, V. N., Sukhanov, B. V. - Telephone communications during the sinking of shafts including the reception and transmission of outside noises. p. 31.
Rudakov, IU. V. - Some efficient parameters of boring and blasting operations with short-delay blasting during stone drifting in the Kuznetsk Basin. p. 41.
Banshtok, A. S. - Investigation of the angle β in a one-sided, asymmetric crossjoining of horizontal mine workings. p. 51.
Tsai, T. N. [Ts'ai], Erofeev, L. M., Miroshnikova, L. A. - Studying the stability of untimbered mine workings in a biaxial stressed state using the photoelastic method. p. 63.
Erofeev, L. M., and others. - Instruments developed by the Kuznetsk Scientific Research Institute for the design and construction of mines in the coal industry for determining rock movements and the intensity of rock pressure. p. 80.
Ignat'ev, K. S., Nikiforov, M. I. - Method of automatic control of steam curing chambers based on the concrete hardening rate. p. 85.
Ignat'ev, K. S. - Using fly ash from hydroelectric power stations in the production of building materials and prospects for using ash in the Kuznetsk Basin. p. 101.

KRIVOY ROG. GORNORUDNYI INSTITUT. Sbornik nauchnykh trudov [INSTITUTE FOR MINING AND ORE DRESSING. Papers]. Moscow, no. 10, 1961.
Table of contents translated:
Zhilkinskii, S. I. - Methods of exploring iron ore deposits at deep levels in the Krivoy Rog Basin. p. 9.
Chernovskii, M. I. - Some characteristics of the documentation of outcroppings made during the large-scale geological survey of the Krivoy Rog iron ore basin. p. 20.
Povarennykh, A. S. - Present-day concepts of mineral species. p. 25.
Povarennykh, A. S. - Formulas for computing the specific gravity of cubic crystals of the "AX" type. p. 38.
Povarennykh, A. S. - Some characteristics of the specific gravity of the elements related to the a- and b- subgroups in the periodic system. p. 45.
Kaurkovskii, V. I. - Mineralizing action of hydrogen sulphide on the processes of siderite oxidation p. 51.
Malakhov, G. M., Bezukh, V. R. - Simplification of the calculation of possible indices of the extracting and depletion of ores in caving systems. p. 57.
Lugovskii, S. I., Dymchuk, G. K., Korolenko, N. P. - Efficient methods of ventilating stope blocks during the mining of thick ore deposits. p. 66.
Avramchuk, R. N. - Ventilating mines during multilevel working of unconnected deposits. p. 80.
Avramchuk, R. N. - Efficient method of ventilating developed horizons during multi-level mining. p. 88.
Lugovskii, S. I., Skorniakov, A. L. - Rapid shaft sinking at the "Gigant-Glubokaia" mine. p. 93.
Arsent'ev, A. I. - Determining the final depth of open pits. p. 97.
Alekseev, F. K., and others. - Variation in the accelerated development of the horizon ±0 m at the IUGOK open-pit mine. p. 115.
Martynov, V. K., Kucheriavenko, I. A. - Recommended methods for working the "Komintern" mine with less loss and impoverishment of ore. p. 123.
Fedorovskii, A. A. - Measuring angles with single-vernier theodolites. p. 137.
Efimov, P. I. - Preliminary calculation of the accuracy of the elements in a triangulation series. p. 146.
Kolotova, E. A. - Deducing a formula for the preliminary calculation of the distance between elevation control points for a survey mapped at a scale of 1.100,000. p. 151.
Kolotova, E. A. - Solving normal equations by means of successive approximations and considerations on the improvement of convergence. p. 163.
Zhukov, N. G. - New instruments for surveying block workings. p. 195.
Zhukov, N. G. - Evaluating the accuracy of a connection of the lateral drift between the "Gigant" and Kommunar" mines on the 160 m. -horizon. p. 203.
Perel'shtein, IA. I. - Evaluating adjusted results of measurements. p. 207.
IAmkovoi, G. T. - Testing rubber piping with highly compressed air. p. 213.
Bogagoen, I. A., Koval', G. A. - Kinds of damage and the causes of premature wear-out of parts of quick-blow rock drills. p. 223.
Bogagoen, I. A., Koval', G. A. - Durability research and the lengthening of the service life of quick-blow rock drill parts. p. 230.
Snezhkov, N. N. - Vibration of the casing of a hammer drill. p. 242.
Lapin, A. P. - Transmission from an eccentric; structure, kinematics, and synthesis. p. 248.
Trubetskov, L. V., Sergeev, A. S. - Electronic device for automating drainage equipment with a low-voltage drive. p. 254.
Trubetskov, L. V. - Research on the strength of ballast in underground mining. p. 260.

Kirin, P.IA. - Asymptotic solution of a system of linear differential equations. p. 400.
Zaga[illegible], L.S. - Riemann function for the equation [illegible] p 407

No. 17, 1963. [illegible] gornykh rabot v kar'erakh [Increasing the intensity of open pit mining]
Table of contents translated
Arsent'ev, A I - Intensity of open pit mining in Krivoy Rog Basin p.3
[illegible], A M , Arsent'ev, A I - Speeding up the [illegible] of the 45m level of the strip mine at the Southern Mining and Ore Dressing Combine [illegible] approach p 9
[illegible], A M , and others - Prospects for the [illegible] stage of the open pit at the Southern Mining and Ore Dressing Combine p 13.
Arsent'ev, A I , and others - Speeded up stripping [illegible] of the 90m level of the strip mine at the Southern Mining and Ore Dressing Combine p 17
[illegible], A A - Analytic estimate of the unfolding of mining operations during the working of steep ore bodies of regular shape p 22
Arsent'ev, A I , Eshchenko, A A - Introduction of the [illegible] entry system without working trenches at the strip mine of the Central Mining and Ore Dressing Combine p 40
Eshchenko, A A , Bondar', A P , Bondar', V IA - Increasing the output of the Ingulets strip mine. p 53
Arsent'ev, A I , and others - Expansion of mining operations at the Olenegorsk strip mine using multiple row blasting p 60
Arsent'ev, A.I , Astaf'ev, IU.P , Voronkin, G D - Efficiency of strip mining at the Nikolayev Deposit p 64.
Voronkin, G D - Using the analytic method to determine the deepening of strip mines with short working trenches p 74
Tkachenko, A P., and others. - Expansion of short-delay blasting in Krivoy Rog Basin strip mines p 79.
M[illegible]enko, O F., and others - Operation of the SDG-1 pit-dressing machine p 82.
Povzner, Z B - Dolomite strip mine in Krivoy Rog Basin p 86
Drobot, B IA , and others - Gas content in the atmosphere of strip mines after large-scale blasting p 89
Drobot, B.IA , Morozov, E G., Dubeniuk, V M - Prognosis of the condition of strip mine atmosphere. p 93
Drobot, B.IA , Morozov, E G - Forced ventilation of a strip mine area p 105.
Efimov, P.I - Preliminary calculation of the accuracy of elements in triangulation series, p. 110
Arsent'ev, A.I , Tatarin, A.N , Golodnov, N E. - Using the methods of descriptive geometry in the planning of strip mines. p 113

No. 23, 1963. Sovershenstvovanie metodov razrabotki rudnykh mestorozhdenii [Improving the methods of mining mineral deposits].
Table of contents translated
Malakhov, G.M., Chernous, A.P. - Determining the degree of rock adhesion in a massif. p.5.
Malakhov, G.M., Chernous, A.P. - Stability of rocks in the Krivoy Rog Basin. p. 11.
Steshenko, A.I. - Means of calculating the number of active blocks in the state of production. p. 17.
Lugovskii, S.I., Red'ko, I.A., Cherenkov, V.S. - Mining thin deposits with variable elements of deposition. p. 17.
Diadechkin, N.I., Sadovoi, I.P., Dolgov, V.A. - Practice of using short-delay blasting in mining hard ores at the R. Liuksemburg Mine. p. 23.
Makeev, A.A., Diadechkin, N.I. - Means of raising the rates of ore drawing from stoping blocks at the Orzhonikidze Mine. p. 28.
Osmolovskii, V.V., Gamilova, E.Z. - Improve the planning of high-quality concentrates in mining and ore dressing combines. p. 32.
Bezukh, V.R., and others. - Shape of the outflow of loose materials. p. 36.
Diadechkin, N.I., and others. - Overpacking explosives in boreholes in short-delay blasting. p. 40.
Kivenko, F.I., Bezukh, V.R., Petrenko, P.D. - Tensometric dynamometer for measuring rock pressure on the bottom of caved blocks. p. 41.
Tkachenko, A.P., and others. - Dependence of the coefficient of the loosening up of rock on the technology of blasting operations in a strip mine. p. 43.
Bezukh, V.R., Rudenko, A.I., Kudriavtsev, M.I. - Investigation of ore block caving processes. p. 48.
Koshelenko, V.M. - Analysis of mining methods in use at the "XX Parts'ezd" Mine. p. 53.
Meshkovskii, G.A. - Improving the technology of the breaking and drawing of ores in a complex with the mechanization of operations. p. 63.
Kucherenko, I.A. - Regularities of the manifestation of rock pressure and selecting the order of stoping during the mining of thick and very thick deposits in the Krivoy Rog Basin. p. 70.

Chirkov, IU.I. - Methods of determining certain optimal parameters of mines with conveyor hoisting in the Krivoy Rog Basin. p. 76.
Ivanov, I.G. - Methods of studying the process of arch formation. p. 78.
Lugovskii, S.I., Dymchuk, G.K. - Variations of mine ventilation systems with drift collectors. p. 83.
Oshmianskii, I.B., Boginskii, P.IA. - Actual ventilation and guarantee of air in mines at the "Dzerzhinskruda" Trust. p. 90.
Frolov, N.S. - New method of calculating mine ventilation systems. p. 102.
Sliusarenko, V.G - Ventilation practices at the "Novaia" Mine of the R. Liuksemburg Mining Administration after large-scale blasting. p. 105.
Lugovskii, S.I., Dymchuk, G.K. - Selecting a method of mine ventilation. p. 107.
Bevz, T.B. - Investigating the aerodynamic resistance of underground mine hoisting equipment. p. 111.
Trusin, V.T., Aksenl'ev, A.D. - Selecting efficient cutting speeds for the KMG-2 rock cutting machine as a factor affecting the dustiness of the air. p. 118.
Dymchuk, G.K. - Characteristics of mine ventilation systems with drift collectors. p. 121.
Frolov, N.S. - Aerodynamic modeling of mine ventilation systems. p. 132.
Nemchenko, A.A., Kirichenko, A.M. - Purification of air from dust in sprinkler chambers of hydraulic heaters in mines. p. 137.
Oshmianskii, I.B., Boginskii, P.IA. - Efficiency of major ventilation equipment at the "Dzerzhinskruda" Trust. p. 142.
Dymchuk, G.K. - Calculating the distance between exhaust fan crosscuts at the drift collectors. p. 148.
Nemchenko, A.A., Ovchinnik, I.T. - Possibilities of heating air in "wet" hydraulic heaters in mines. p. 154.

KUYBYSHEV. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEFTIANOI PROMYSHLENNOSTI. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE FOR THE PETROLEUM INDUSTRY. Transactions]. No. 17, 1962. [Drilling.]
Table of contents translated:
Uspenskii, G.N., Volnov, L.G., Sutugin, P.K. - Operation of No. 9 bit in the drilling of deep wells at high working pressure. p. 3.
Beller, N.N., Kurshanova, Z.I., Chernysheva, I.M. - Obtaining a reagent for clay muds from sulfite-alcohol residue by chlorination. p. 12.
Beller, N.N., Churkin, IU.D., Piatnitskaia, N.V. - Antifoaming reagents for aqueous and cross-linked muds and a method for testing them. p. 23.
Beller, N.N., Piatnitskaia, N.V. - Using surfactants when drilling in producing strata in the Yakushino oil field. p. 32.
Zhevlakov, V.A. - Possibility of producing plugging cements in the Kuybyshev combine for building materials. p. 37.
Beller, N.N., Shabanova, L.S. - Controlling the parameters of cement slurries using surfactants at low and high temperatures. p. 47.
Nechaev, A.A., Gombert, V.S., Kuznetsov, V.F. - Technology of a system for the purification of drilling mud. p. 56.
Nechaev, A.A., Kuznetsov, V.F., Gombert, V.S. - Experimental investigation of the hydrocyclone purification of drilling mud. p. 67.
Volkov, A.V. - Determining the relative permeability of rocks in the circulation-loss zone of a bore hole. p. 88.
Temkin, S.G., and others. - Deep-well remote-control manometer for the determination of the intensity of circulation loss in a bore hole. p. 97.
Liubarskii, A.P., Aizuppe, E.A. - Determining the well-bottom parameters in electric drilling. p. 106.
Temkin, S.G., Liubarskii, A.P., Belov, A.D. - Deep-well instrument for measuring drilling parameters with a pulse-width telemetering system. p. 111.
Moloichino, B.A. - Small attachable filter for a deep-well measuring device. p. 117.

LENINGRAD. GORNYI INSTITUT. Zapiski [INSTITUTE OF MINING. Records]. Vol. 48, no. 1, 1963. [Rock pressure].
Table of contents translated:
Zimina, E.A., Tarasenko, E.N. - Study by the photoelastic method of the stressed state of rocks around sublevel entries in thick steeply pitching seams. p. 3.
Lomtadze, V.D. - Nature of the phenomena of heaving in clay rocks in Moscow Basin mines. p. 12.
Pavlov, A.V., IAkovlev, A.I. - Effect of the bearing area on the action of rock pressure on the supports. p. 25.
IUdin, P.E. - Change of lateral pressure according to the condition of the loose material. p. 28.
Mel'nikov, O.I. - Rock pressure in cross cuts during shield mining. p. 32.
Smirniakov, V.V., Mirzoev, G.G. - Load distribution on supports of horizontal workings in mines of the Karadzhar-Shakhan section. p. 38.

Beskaravainyi, V.G. - Characteristics of the manifestation of rock pressure during chamber and longwall mining in mines of the "Slantsy" Combine. p. 43.
Borisovets, V.A. - Approximate method of determining the strain on supports in horizontal workings in Churubai-Nurinsk region mines of the Karaganda coal basin. p. 51.
Dashko, R.E. - Effect of test duration on the shear strength of clay rocks. p. 56.
Chemodanov, N.A. - Small model investigation of the lessening of rock strength due to fracturing. p. 61.
Diad'kin, IU.D., and others. - Operation of a protective shield under the effect of impact loads in free roof caving. p. 64.
Makhno, D.E. - Roof control mining of steep seams with shield units in the central Donets Basin region. p. 73.
Shvetsov, G.I. - Roof control in sublevel hydraulic breaking. p. 80.
Timofeev, O.V. - Methods of calculating the locking of metal slot and wedge type rods. p. 87.
Galaev, N.Z. - Distribution of support pressure during excavation in various directions; for the lower block in the "Zapoliarnyy" Mine. p. 93.
Novozhilov, V.N. - Estimation of the stability of strip mine slopes in the mining of Tikhvin bauxite deposits. p. 101.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII MARKSHEIDERSKII INSTITUT (Trudy) [ALL-UNION MINE SURVEYING SCIENTIFIC RESEARCH INSTITUTE (Transactions)]. No. 47, 1962. [Transactions on problems of rock pressure, displacement of rocks, and mine surveying methods]
Table of contents translated:
Bublik, F.P., Antuf'ev, V.F. - Characteristics of the manifestation of bearing pressure while mining flat seams using the hydraulic method. p. 3.
Bazhin, N.P. - Establishing parameters for the zone of influence of ground movement on development workings. p. 10.
Bich, IA.A., Aman, I.P. - Ground movement under seams in the Prokop'yevsk region of the Kuznetsk Basin. p. 22.
Kuniaev, E.V., Shik, V.M. - Displacement of rocks during the use of the shield mining method. p. 33.
Kuznetsov, S.T., Bublik, F.P., Ivanov, G.A. - Results of determining stresses in pillars by the unloading method at the Polysaevo-Severnaya Mine. p. 41.
Surkov, A.I., Iovlev, G.A. - Studying the stressed state of the rock massive around the chambers in a heavy and inclined pitching ore body. p. 47.
Zvonarev, N.K. - Nomograms for solving problems of the statics of ground masses. p. 69.
Nekhoroshev, IU.P. - Taking into account the horizontal displacement of the earth's surface in engineering calculations of overhead vertical chain contact suspensions of electrified railroads. p. 77.
Kleshchev, P.E. - Preliminary results of investigating the efficiency of structural measures for protecting buildings from the effects of mining operations in the Karaganda Basin. p. 85.
Muller, R.A. - Distribution of stresses in a granular soil foundation. p. 100.
Muller, R.A., Madlovskii, V.V. - Determining horizontal friction forces acting on a rigid building during its undermining taking into account the deformation of the earth's surface. p. 110.
Katsnel'son, N.N., Gvirtsman, B.IA. - Size of barrier pillars in steeply pitching seams of the Donets Basin. p. 125.
Mediantsev, A.N., Iofis, M.A., Mazurova, A.I. - Graphic distribution of displacements and deformations of the earth's surface above mine workings in the Donets Basin. p. 140.
Iofis, M.A. - Mining coal under Donetsk. p. 155.
Batugin, S.A. - Displacement and deformations of the earth's surface and rocks above a moving face. p. 159.
Shalaginov, N.F. - Determining the possibilities of undermining reservoirs according to the degree of the deformation of the layer, distribution, and capacity of water retainers. p. 200.
Mironenko, V.A. - Using horizontal boreholes during the draining of strip mines. p. 207.
Omel'chenko, A.N., Gleizer, M.I. - Methods of determining the amount of ore depletion. p. 210.
Omel'chenko, A.N., Onishchenko, M.D. - Establishing norms for losses and the depletion of ore resources during the mining of complex ore deposits. p. 220.
Tikhomirova, N.P. - Methods of establishing norms for reserves prepared and ready for mining at enterprises of the East Kazakhstan Council of National Economy. p. 249.
Tikhomirova, N.P., Lugovaia, N.D. - Economic efficiency of lowering norms for prepared reserves in mining enterprises. p. 258.
Zhil'tsova, N.G. - Methods for the economic estimate of coal losses in the course of mining. p. 264.
Nizguretskii, Z.D. - Distributation curves of metal in ore bodies. p. 272.

Filatov, S.A. - Mine surveying and codification of mining law. p.278.
Kazakaev, D.M. - Tasks of mine survey service in a mining enterprise. p.291.
Stenin, N.I. - Organization of survey services in industrial mining enterprises. p.297.
Dobkin, I.I. - Mine surveyor inspection of a hoisting unit. p.302.
Batugin, S.A., Batugina, I.M. - Ellipses of errors in geodesic cross sections. p.315.
Rykhliuk, E.I. - New method of estimating the accuracy of adjoining in solving a connection triangle. p.324.
Mischikov, V.I., Lugovaia, N.D. - Selecting an efficient scale for topographic maps during the exploitation of deposits. p.333.
Khlebnikov, A.V. - Adjusting triangulation networks with the help of the "Ural" electronic machine. p.345.
Borodulin, G.I., Chaiko, V.IA. - Field testing the DST-2 phototachymeter. p.357.
Kaishuler, G.M. - Losses of power and voltage and their distribution in various sectors of the current conductor of the MV1 gyrocompass. p.367.
Beschasnyi, G.K. - Tape comparison with the standard by means of invar wires. p.373.
Gertner, P.F. - Expansion pipes for underground gas pipelines. p.378.
Lobastov, V.A., Lobastov, F.A. - Making planetables on a semirigid base. p.383.

LENINGRAD. VSESOIUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions]. No.226, 1964. Opornye skvazhiny SSSR [Key Wells of the U.S.S.R.].
Contents. Nesterov, I.I., and others. [Surgut key well (Tyumen Province)] Surgutskaia opornaia skvazhina (Tiumenskaia oblast') 187 p.

No.228, 1964. Issledovanie treshchinovatosti gornykh porod i treshchinnykh kollektorov nefti i gaza [Investigating the fractures of rocks and fractured oil and gas reservoirs].
Table of contents translated.
Foreword. p.3.
Kalacheva, V.N. - Types of fractured reservoir rocks in the carbonate sediments of the Lower Cambrian and their distribution in the territory of the Irkutsk Amphitheater. p.7.
Kovtun, A.S. - Reservoir rock properties of the Sinian and Lower Paleozoic sediments of the southern wing of the Anabar anteclise. p.18.
Shekhorkin, I.A. - Fractured oil and gas reservoir rocks in the Mesozoic of the Maritime Territory. p.27.
Dorofeeva, T.V. - Relation of fracture zones to the cyclic nature of the sedimentation; based on a study of the Devonian sediments of the South Minusinsk Basin. p.34.
Talalaev, V.D., Galin, V.L. - Lithological and stratigraphic features of fractured Upper Cretaceous rocks in northeastern Ciscaucasia. p.40.
Abdullin, R.A. - Lithology and reservoir rock properties of the carbonate rocks of the Upper Famen substage and the Tournasian stage in the southeast of the Tatar A.S.S.R. in connection with their oil potential (Sulinskiy region). p.62.
Levi, S.Sh. - Carbonate rocks of the Cambrian sediments of the southern wing of the Anabar anteclise and their bitumen potential. p.67.
Kaplan, M.E. - Stylolites of the Upper Cretaceous limestones of the northeastern Caucasus. p.110.
Beskrovnaia, O.V., Savkevich, S.S. - Certain data on the effect of late catagenesis on the structure of pore space. p.132.
Tiurikhin, A.M. - Effect of fractures on the pore space of the producing horizons of a carbonate formation in the Paleozoic platform sector of Bashkiria. p.136.
Tatarinov, I.V., Pozinenko, B.V. - Comparing the role of pores and fractures in the flow of oils of the Yarega oil field. p.155.
Kleinosov, IU.F. - Estimating oil reserves in fractured reservoir rocks. p.163.
Pozinenko, B.V., Romm, E.S. - Determining the anisotropy parameters of the Pomyarki experimental section of the Borislav oil field. p.173.
Romm, E.S. - Water flooding of oil from fractured and porous reservoir rocks. p.180.
Kuznetsov, IU.I., Pozinenko, B.V. - Distribution rate of elastic oscillations in fractured isotropic and porous media. p.190.
Pozinenko, B.V. - Anisotropy of fractured rocks and possibilities for finding it, using seismic methods. p.197.
Kaplan, Z.G. - Certain diffusion problems in anisotropic rocks. p.208.
Knoring, L.D. - Studying certain moments in the mechanism of the formation of tectonic fracture. p.224.
Gromov, V.K. - Comparing the fractures of rocks and the tectonics of platform regions. p.241.
Knoring, L.D., Belonin, M.D. - Comparison criteria for rose curves. p.249.
Kareva, E.A. - Differentiating open fractures of tectonic origin from artificial open fractures in argillite thin sections. p.261.
Gaas, G.IA. - Relation of tectonic fracture to relief. p.269.
Kaplan, M.E. - Genetic affinity of macro- and microfractures in limestone. p.276.
Smekhov, E.M., Romm, E.S. - Determining fractured porosity (fracture factor). p.285.
Smekhov, E.M. - Concerning the factual data and certain conclusions of I.M.Krisiuk in his investigations of fracture in the Northern Caucasus. p.289.

MASHINY I NEFTIANOE OBORUDOVANIE [MACHINERY AND PETROLEUM EQUIPMENT]. Issued by Gosudarstvennyi [illegible]
Gos [illegible]
tel' [illegible]
skii [illegible]
nos [illegible]
to t[illegible] Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.2, 1963.
Table of contents translated:
Timofeev, V.E. - New powerful hydrodynamic brake for drilling draw works. p.3.
Gershov, V.M. - USHBT-M auger drilling rig. p.7.
Arkhangel'skii, V.L. - Use of hydraulic torque converters in drilling rigs. p.11.
Klevanskii, F.V. - Pneumatic disk clutches. p.21.
Tarasevich, V.I. - Experimental determination of the dynamic forces in the hoisting components of a drilling rig. p.21.
Egorov, A.D., and others. - New design for drill collars. p.25.
Perov, M.I. - GrozNII pistons for drill pumps. p.26.
Ibragimov, E.S., Melikov, D.K., Seriakov, V.F. - AzINMASh-30 assembly for acidization of wells bottom areas. p.27.
Egorov, L.N. - Device for making the derrick man's work easier in the drilling of deep wells. p.31.
Chernyshev, E.M. - Protective covering for machine parts to increase their wear resistance. p.34.
Vasil'ev, IU.N. - Device for the determination of the compressibility of porous rocks. p.37.
Rubinovich, IA.V., Velichkin, O.D. - Pulsating pneumatic valve. p.39.
Kolker, O.N., Stankevich, A.V. - Electronic automatic multiple-point chart-recording instruments and assemblies. p.44.
Dzema, V.G. - Nozzle for washing away salt and the preparation of saturated solutions. p.48.

No.4, 1963.
Table of contents translated:
Orlov, V.B. - UGBKh-150 automotive rig for drilling hydrogeological wells. p.3.
Mkrtychan, IA.S., Pozharnov, G.M. - Design of a cylindrical bush with welded collar for drilling pumps. p.5.
Shmerkovich, V.M., Margolin, G.A. - Enlarged TTO-24 "tube in tube" heat exchanger. p.8.
Lalaev, M.I. - UZD-1 ultrasonic dewaxer. p.9.
Shcherbina, I.M. - Attachment for making channels for the "Armco" collar in the tube sheet of a heat exchanger. p.11.
Stulov, F.P. - SM-2 mechanism controlling the operation of sampler valves. p.12.
Shabalkin, A.D. - New method for changing tank bottoms. p.14.
Abilian, Kh.L. - Off-center coupling of two parts. p.16.
Sulkhanishvili, I.N. - Selecting the parameters of draw-works braking devices. p.19.
Medvedev, IU.S. - Steels with a low nickel content for equipment in petroleum refineries. p.23.
D'iakov, V.G., Levin, I.A., Shreider, A.V. - Aluminum, titanium, and OKH21N5T and KH21N6M2T low-nickel steels as materials for the equipment of petroleum refineries and petrochemical plants. p.27.
Shirgaleev, Z.Sh. - Eccentric key. p.34.
Kukulieva, A.I. - Mechanization of the trimming and knocking-out of pipes from U-tube bundles. p.35.
Arkhipov, F.I. - Increasing the lifetime of the rod and stuffing boxes of the product part of piston steam pumps which pump liquefied gases. p.35.
Kukulieva, A.I. - Machine for cutting disk patterns. p.36.
IAngurov, B.G. - Device for grinding valves on vents and shut-off devices of various diameters. p.36.
Dzema, V.G. - Core assembly for T84-5" turbodrills. p.37.
Coordinating conference on new equipment for petroleum refineries. p.38.

No.5, 1963.
Table of contents translated:
Anishchenko, V.F., Dubchuk, V.D. - Certain problems in the design and manufacture of spring-hydraulic chucks for spindle drilling rigs. p.3.
Litvinov, V.M. - Unit for testing packing. p.7.
El'kin, M.A. - Hinges for filling and discharging devices. p.9.
Fuks, V.L. - Dual purpose device for measuring stresses in electric-drill engine clamps and well-bottom temperature. p.12.
Vartanov, V.G. - Unit for automatic switch-over of well feeding to self-feeding. p.17.
Volkomirskii, I.I. - Diesel parameters for drilling rigs. p.19.
Sulkhanishvili, I.N. - Operation of diesels in the diesel-electric drive of BU-50Br rig. p.25.
Makhov, A.F., Sudovikov, A.D., Maksimenko, M.Z. - Still with spiral nonreturbent coil for heating, reforming, and pyrolysis of petroleum products. p.31.
Kvitko, V.M. - Sectional core KTDS1-6-5/8 turbobit. p.33.
Pliushch, A.M. - New design for hydraulic fishing tool. p.34.
Eibatov, M.D. - Attachment for pressing out crank pins. p.35.

No.6, 1963.
Table of contents translated:
Emel'ianov, IU.D. - Caliper for measuring the diameter of deep wells. p.3.
Khaznaferov, A.I. - Piston suction reservoir-petroleum sampler. p.6.
Askerov, M.M. - The 1KMSh-16-25 wrench for rod joints of all sizes. p.10.
Voropai, N.I., Zhukov, G.V., Kas'ianov, V.M. - Cooling of air piston compressors by injecting water at the inlet. p.11.
Rotte, A.E. - Fluid surge chamber and throttle for eliminating pressure pulsations in pipelines. p.18.
Luchshev, A.T., Meshcheriakova, V.V. - Operation of catalytic-cracking equipment under conditions of abrasive wear. p.23.
Vol'fson, S.I., Buniatov, L.I. - Determining the standard quantity of spare parts required for repairing equipment of petroleum-refineries and petrochemical plants. p.27.
Poliakov, G.G. - MGP-600 depth piston manometer. p.31.
Melanifidi, G.F. - DT-1 and DT-2 thermostats. p.33.
Karganov, K.G., Korolenko, V.P., Lazovskii, L.I. - Answering level gauge for tanks operating under pressure. p.34.
Dzema, V.G. - Separation packer-bridge. p.37.
Communications from Krasnodar petroleum workers. p.39.

No.2, 1964.
Table of contents translated:
Titkov, N.I., Kuz'menkov, P.G., Smolianinov, V.G. - Trends in the improvement of equipment for the electrochemical strengthening of well walls. p.3.
Khaznaferov, A.I. - Small power suction deep-well sampler. p.11.
Abdulzade, A.M., Mamedov, T.R. - Possibility of increasing the resistance of the ball-locking bearing of standard bit rollers. p.14.
Grinshtein, N.E. - Stages of sinking centrifugal pumps with open rotor wheels. p.17.
Karpov, A.I. - Pipeline for transporting and heating viscous petroleum products. p.19.
Tarasevich, V.I. - Determining the machine time for hoisting a drilling tool with stepless change in speed. p.23.
Kulakov, V.M. - Designing rigidity rings for durability. p.25.
Fradkin, A.B. - Cleaning the scaling in the stator groove of an electric drill. p.28.
Ladyzhenskii, M.M. - Prospects for using the "Zenit-2" electronic computer in the petroleum and petrochemical industries. p.30.
Galimov, K.G. - Device for the automatic switching off of an IT9-3 plant when the electric energy and water for cooling have been shut off. p.36.

*METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.9, no.5, May 1964.
Table of contents translated:
Boiarshinov, A. - "Metallurgiia" pavilion at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p.1.
Everything for chemistry, everything from chemistry. p.3.
Tovarovskii, I.G., and others. - Limits of forcing blast furnace smelting. p.5.
Vinogradov, A.I., and others. - Obtaining high quality cast iron by its treatment in the ladle. p.9.

Varf[illegible], V. K. - D[illegible] in the equipment of 2,000 [illegible] capacity blast furnaces p 12.
Kar[illegible], G N , Al[illegible]ko, G G - Making 14GN steel in a 370 t[illegible] open-hearth furnace. p 15.
Tr[illegible], V. V., G[illegible], N K. - Breaking away [illegible] p 16
Kar[illegible], N K., and others - Determining the [illegible] frequency of reversing the fuel spray in open-hearth furnaces p 22
K[illegible], G I - Lining the walls of the upper structure of open-hearth furnaces with rammed refractory materials. p 23
Karas[illegible], A F , and others. - In the country's steel smelting plants p. 24.
L[illegible], A - Open-hearth furnace hearth bottom made of carbon blocks p. 26.
Ina[illegible], I G - Introducing progressive practices in the planning and recording of the output of economical types of rolled products p. 27.
Sm[illegible], V S - Production of seamless bimetal pipe p. 29.
Lazar[illegible], P. - Determining ingot readiness for rolling. p 31
Be lakovskii, M.A , and others - Preheating the working rolls of the 2800/1700 mill p. 32.
L[illegible], L M - Small-size unit for the induction heating of rolls before placing in the rolling mill stand. p 33
Aizenshtein, M D , Demidovich, E.A., Koba, A.G - Fluting inclined sections of roll grooves by disc knurling. p. 34.
B[illegible], A.N., Lepin, V.P. - New type of rolling mill working stands. p. 35.
Sergienko, A. - In a communist brigade. p. 36.
Readers are discussing the journal. p. 37.
Kuznetsk Metallurgical Combine. p. 37.
Electrostal' Plant. p. 38.
Brandt, V A. - From superstition to knowledge. p. 39.

Vol 9, no 7, July 1964
Table of contents translated
K[illegible], I I - Efforts to produce more and a better quality of metal p 1.
Temp[illegible], V V - Metallurgy's contributions to chemistry p 3
S[illegible], A - The decisions of the December and February Plenums of the Central Committee of the CPSU should be carried out p. 5
Pud[illegible], A P - For a further improvement in the working conditions of metalworkers p 6.
Malyshev, A A - Performance of blast furnaces operating with larger diameter tuyeres. p 8.
Pushkash, I I , Lazarev, B L , Tatsienko, I A - Forced operation of blast furnaces with larger diameter tuyeres p 10
R[illegible], S.T - New type of air pressure sampler from the blast pipe p 12.
G[illegible]adkii, M - Furnace attendant Mikhail Sergeevich Khren' p 14
B[illegible]berg, I M , Perinov, A A , Perlov, N.I. - First rotary 100-ton converter in the U.S.S.R. p 15.
Freidenberg, A S , and others. - Repair of tapping holes on open-hearth furnaces p 20.
Konovalenko, A - About his comrades. p 22
Vladimirov, V - Friendship creates miracles. p.23.
Fedorov, V I - Manufacture of welded drill pipes. p 24
Doroshev, I A - Accelerate the production of pipe with metallic and nonmetallic coatings. p 25.
Skorkin, N V , Brovman, M.IA. - Efficient grooving for continuous blooming mills. p. 26.
Borovik, L I , and others - Dependence of the sheet profile on the roll grooving. p. 28.
Dorokhin, E I , Zharkov, V.M - Emery wheel equipment for the cleaning of ingots. p. 30.
TSvetkov, N N , Evseev, P - Work experience of a rolling mill operator. p. 31.
Tagiev, M B , Mamedov, N G - The metallurgical industry of Azerbaijan is a product of the Soviet government p. 32
Sergeev, B - Progressive practices should be made available to every worker p. 34.
Liberman, M Kh - Training in second and allied professions. p 35.
Stadnik, F. - Creative potentialities of efficiency promoters at the "Electrostal' " Plant. p. 37.
Vendrov, I G., Boguslavskii, L.B - Greater daring in the introduction of nonferrous and ferrous metal substitutes. p. 38.

METALLURGICHESKAIA I GORNORUDNAIA PROMYSHLENNOST' [METALLURGICAL, MINING AND ORE-DRESSING INDUSTRIES]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, no. 6(18), Nov.-Dec. 1962.
Table of contents:
Shumilov, K.A., Mel'nichuk, V.L. - Studying the influence of natural gas and oxygen on the thermal and aerodynamic processes of the tuyere zones in a blast furnace for the purpose of their automatic stabilization. p. 3.
Bornatskii, I.I. - Steelmaking in the Ukrainian S.S.R. during the first three years of the current seven year plan. p. 8.
Dobrokhotov, N.N. - Ways of increasing the productivity of open-hearth furnaces. p. 12.
Chuiko, N.M., Perevlazko, A.T., Moshkovich, E.I. - Production of dense ingots of transformer steel. p. 14.
TSelikov, A.I., Nosal', V.V. - Trends in designing pipe mills. p. 16.
Chekmarev, A.P., Kutsov, IU.G. - Rolling beams and channels from butt welded blanks. p. 22.
Denisov, S.I. - Operating conditions of charge-resistance furnaces in the production of silicon. p. 27.
Tret'iakov, E.V., and others. - Using compacted addition alloys in the production of low carbon steel with zirconium. p. 29.
Khil'ko, M.M., Antonov, G.I. - Results of using forsterite checkers in open-hearth furnaces operating with oxygen. p. 31.
Lavrinenko, V.F., and others. - Changes in mining conditions with an increased working depth p. 35.
Timofeev, V.A., Meshkovskii, G.A., Pokhodzilo, V.N. - Technical and economic analysis of ore haulage in Krivoy Rog Basin mines. p. 40.
Linnik, G.F., Nikulin, S.E., Sulima, G.S. - Maintaining scraper level workings in conditions of increased rock pressure. p. 45.
Zapara, S.A., Liakhov, N.I. - Increasing the efficiency of jet piercing machines at a strip mine of the Southern Mining and Ore Dressing Combine. p. 48.
Belash, F.N., Gontarenko, P.A. - Iron Ore dressing at the Northern Mining and Ore Dressing Combine using magnetic separation and flotation. p. 52.
Golubev, T.M., Diachenko, P., Kokhriakov, B.D. - Influence of vibratory drawing on the quality of wire. p. 56.
Kalinin, A.I. - Conditions of cutting hot blanks with blooming mill shears. p. 59.
Tareiko, N.A. - Potentials for increasing the output of a converter plant. p. 62.
Timofeev, V.A. - Technical and economic level of Krivoy Rog Basin mines. p. 64.
Bakhtin, G.V. - Flow sheet for automatically maintaining gas mixtures in sintering machines. p. 68.
Bakhtin, G.V. - Deoxidation of Bessemer rail steel by means of a complex Mn-Fe-Al liquid alloy. p. 68.
Shchepanskii, V.N. - Briquetting of chip-curls. p. 71.
Gamershtein, V.A., Litvinenko, V.G. - Mastering the production of cold-rolled sheets. p. 72.
Pankov, M.I. - Build-up welding of steel plate rolls. p. 74.
Efficiency promoters of the "Krasnyi Profintern" Plant. p. 76. -
Shneerov, IA.A. - Conference on semi-killed and capped steel. p. 77.
Garmash, N.Z. - Conference on the improvement of the quarrying for nonmetallic minerals. p. 80.
Conference on the overall mechanization and automation of industrial processes in the metallurgy of the Ukrainian S.S.R. p. 81.
Kirichek, V.A. - Rectilinear sinter cooler. p. 82.
IAshchenko, V.A. - Intensifying the processes of producing metal. p. 83.
Shitov, A.A. - Cast refractories in metallurgy. p. 84.
Using refractory materials in the form of a liquid mass for the repair of blast furnace linings. p. 86.
New refractory materials. p. 86.
Large refractory blocks for lining steel smelting furnaces in the United States. p. 86.
Using iron ore as cooler in oxygen-blown converter production of steel. p. 87.
Characteristics of equipment for the continuous casting of steel in certain capitalist countries. p. 88.
A 2,000-ton blast furnace in Japan. p. 90.
Machine for surface treating of steel alloy ingots. p. 90.
The "Calderon" charging machine. p. 90.
List of articles published in the collection "Metallurgicheskaia i gornorudnaia promyshlennost' " for 1962. p. 91.

METODICHESKIE UKAZANIIA PO PRIMENENIIU RADIOMETRICHESKIKH METODOV DLIA POISKOV I RAZVEDKI RUD NERADIOAKTIVNYKH ELEMENTOV I GEOLOGICHESKOGO KARTIROVANIIA [METHODOLOGICAL INSTRUCTIONS ON THE USE OF RADIOMETRIC METHODS OF SEARCHING AND PROSPECTING FOR ORES OF NONRADIOACTIVE ELEMENTS AND FOR GEOLOGIC MAPPING]. Issued by Gosudarstvennyi geologicheskii komitet SSSR [State Geological Committee of the U.S.S.R.]. Moscow, no. 1, 1963.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MINERAL'NOGO SYR'IA. Otdel nauchno-tekhnicheskoi informatsii. Sbornik ratsionalizatorskikh predlozhenii [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MINERAL RESOURCES. Department of Scientific and Technical Information. Suggestions of Innovators]. Nos. 9-10, 1963.

NEFTEGAZOVAIA GEOLOGIIA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS]. Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 6, 1964.
Table of contents translated:
IArosh, B.I., and others. - Features of the geological structure and oil and gas potential of the Kokhanovka-Syiduitsa oil field. p. 3.
Pavlovskii, E.V., Grigorchak, L.V. - Basic features of geological structure and the prospects for finding gas and oil in the southeastern sector of the Soviet Carpathians. p. 9.
Smolianskii, V.M. - Genetic types of local uplifts in the northwestern sector of the Dnieper-Donets Lowland. p. 13.
Mukharinskaia, I.A. - Dependences between the parameters characterizing the reservoir-rock properties of producing rocks, based on a study of the Shebelinka gas field. p. 22.
Stanulis, V.A., Sterlenko, IU.A. - Prospects for finding gas and oil in the Bajocian-Bathonian sediments of the Kabardino-Balkar A.S.S.R. and future trends in prospecting-drilling operations. p. 29.
Gorlov, S.I., D'iakonov, A.I., Aleksin, G.A. - New oil and gas bearing region in the eastern Kuban. p. 35.
Melik-Pashaev, V.S. - Mechanism of rock-pressure transmission by oil and gas pools. p. 39.
Kissin, I.G. - Magnitude of the geothermal heat flow in central and eastern Ciscaucasia. p. 41.
Akaev, B.A. - Distribution of organic matter and bituminoids in the white series of submontane Daghestan. p. 44.
Guseinov, G.A., Mekhtiev, P.G. - Prospects for finding gas and oil in the Sumgait sediments in the northwestern extension of the Caspian Sea region tertiary monocline. p. 46.
Bendel'shtein, B IU., Izvekov, B.I. - Using an insulated sonde in studying the carbonate rocks of the Upper Cretaceous of the Crimea. p. 49.
No. 7, 1964.
Table of contents translated:
Eventov, IA.S. - Trends in prospecting operations for gas and oil in the northern Caspian Sea region. p. 3.
Aizenshtadt, G.E.-A., Dneprov, V.S. - Evaluating the prospects for finding oil in the southwestern Caspian Lowland and basic trends in prospecting operations. p. 9.
Ivanov, IU.A. - Characteristics of the oil-pool spacing in the Mesozoic sediments of the Kenkiyak-Zharkamis region. p. 12.
Volchegurskii, L.F., Markin, I.G. - Gas potential of the Pliocene sediments of the mid-channel region of the Ural River in the Caspian Lowland. p. 17.
Sal'man, G.B., Seiful'-Muliukov, R.B. - Basic structural elements of the northeastern sector of the Caspian syneclise in connection with the evaluation of the prospects for finding gas and oil. p. 21.
Pronicheva, M.V., Zhernakov, P.I. - Using aerial methods and geomorphological investigations in the study of the tectonic structure of the western Mugodzhar Hills region in connection with its oil and gas potential. p. 26.
Li, K.A. - Formation of gas in the Pliocene sediments of the central sector of the Caspian Lowland. p. 31.
Matashev, M.M. - Karaarna, a new oil field. p. 33.
Dreisin, A.G., Likholatnikov, V.M. - Some recent data on the prospects for finding gas and oil in the Mesozoic sediments in the central sector of the Volga-Ural Interfluve. p. 37.
Tarkhanov, M.I. - Comparison of the Upper Jurassic sediments of Mangyshlak Peninsula and the western Caspian Sea region. p. 40.
Smirnova, E.A. - Efficiency of the prospecting of the oil and gas fields of the Caspian Lowland and the Magyshlak Peninsula. p. 44.
Malovitskii, IA.P. - Basic results of reflection-method seismic prospecting on the Caspian Sea. p. 47.
Berman, L.B., Basin, IA.N., Neiman, V.S. - Using neutron gamma logging in creating and operating underground gas reservoirs. p. 50.
Neiman, V.S., Berman, L.B., Basin, IA.N. - Estimating the gas saturation factor from the data of neutron-gamma logging. p. 53.

NEFTEPERERABOTKA I NEFTEKHIMIIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issled[illegible]

[illegible] Studies on the Petroleum and Gas Industry]. Moscow, no. 5, 1963.
Table of contents translated:
Turov, A.Sh., Nikolaichuk, A.V. - Results of redesigning an oil-extracting device. p. 3.

Gal'perin, B.M., and others. - Experience in desalting Arlan oil at the Salavat Combine. p. 9.
Akhmatov, I.G., Levinter, M.Kh., Morozov, B.F. - Calculating the material balance of light thermal cracking. p. 12.
Shevelina, Z.N. - Purification of waste water with ash-removal waters of heat and electric power plants. p. 17.
Alekseeva, V.A., Karelin, IA A. - Final purification of waste waters with ozone. p. 19.
Shapiro, E.A - Determination of the economic effectiveness of capital investments in petroleum refining. p. 21.
Gol'dshtein, G.I. - Obtaining electrode coke from an oil extract of selective treatment. p 26.
Aliev, D.A. - Cryoscopic method for the determination of the purity of benzene p 31
Talisman, L.V, Fomina, V I, Korokhova, N.I. - Dehydration of hydrocarbon solvents with silica gel. p. 34.
Votlokhin, B.Z. - Apparatus for the control of the height of flying of loose materials in pneumatic conveying devices. p. 38.
Shklovskii, IA A. - Automation of waste-water pumps. p. 40.
Zalko, A.P. - Experience with the introduction of interface-level measuring and controlling devices. p. 45.

N° 8, 1963
Table of contents translated:
Sabadash, IU S., Abdraziakova, A.P. - Redesigning thermal-cracking units for deep stabilization of gasolines. p. 3.
Zmievskii, P.K. - Problems of the vacuum distillation of petroleum. p 4.
Bashilov, A.A., and others - Obtaining transformer oil by the acid-contact method p 7.
Seredа, A T. - Factory tests of new emulsion breakers p. 9
Bayburskii, L A, Manovian, A K, Odintsov, O K. - Diagram of the atmospheric distillation of oil and the operation of topping towers. p 12
Semenova, E.S., and others. - Air-steam regeneration of a coked aluminocobalt-molybdenum catalyst p. 16.
Abdullaev, A.A., and others. - Temperature-control system for a catalytic-cracking reactor with a finely divided catalyst. p. 19.
Pashkin, P.I., Drel, I.V., Kiselev, A A. - RM-100 oil reclaiming unit. p. 22.
Churakov, P I - Semi-industrial integrated line for shaping structural petroleum asphalt into blocks. p. 28
Feygin, S.A., Sholpo, I.N. - Petroleum crude as a source of ammonia. p. 31.
Bikkulov, A.Z., and others. - Use of petroleum toluene to obtain terephthalic acid. p. 33.
Vol'pova, E.G., Shal'kovskii, N.G. - Experience in obtaining highly pure ethylene. p. 36.
Martynov, V.M - PIM-2 device for determining the evaporability of lubricants. p. 40.
Small petroleum refineries. p. 44.

9, 1963.
Table of contents translated:
L'vov, I.A., Zablotskii, A.G. - Experience in the operation of a modernized atmospheric-vacuum distillation unit. p. 3.
Gonsales, A.A., and others. - Results of redesigning an industrial catalytic-cracking device. p. 6.
Chirimanov, P.A., and others. - Removing pyrolytic light oil from unsaturated hydrocarbons. p. 10.
Dal', V.I., Raskina, L.S., Nabivach, V.M. - Pyrolysis of a gas condensate in the presence of coke-oven gas. p. 14.
Sabadash, IU.S. - Use of additives in the thermal cracking of heavy petroleum residues. p. 17.
Rudenskaia, I.M., Semenova, L.D. - Evaluating the colloidal state of asphalts. p. 19.
Petelina, V.S., Startsev, B.IA. - Regeneration of alkali from the sulfide alkalies of disulfurized petroleum-products. p. 25.
Mikhaylov, IU.A. - Obtaining hydrochloric acid from additive-production wastes. p. 28.
Krichko, A.A., and others. - Hydrogenation of aromatized petroleum crude without catalysis for obtaining naphthalene and other products. p. 30.
Biriukov, B.M. - Remodeling a device for the regeneration of sulfuric acid. p. 34.
Improved liquid-phase isomerization of pentane without recirculation. p. 36.
Hydraulic purification of pyrolytic gasoline by-product. p. 38.

.1, 1964.
Table of contents translated:
Chvertkin, A.L., Timofeev, A.A. - Efficient method for producing normal conditions in the vacuum section of an atmosphere and vacuum distillation unit. p. 3.
Kazakov, D.E., Konina, L.M. - Refining oils of the Surgut District, Tyumen' Province. p. 5.
Kalashnikov, V.P., Shekhter, IU.N., Dol'berg, A.L. - Petroleum products nitration unit. p. 7.
Malakhov, A.F., Karalbog, E.V. - Investigating the bleaching property of clays (opoka) of certain fields in Volgograd province. p. 10.
Zavadskii, V.V. - Methods for improving the economic indices of the heat supply to the Omsk Petroleum refinery. p. 12.
Drabkina, I.E., Orechkin, D.B., Popova, T.S. - Effect of elemental sulfur on the chemical stability of distillate fuels. p. 14.
Korchagina, V.I., Rutman, L.I., Shnol', F.M. - Evaluating methods for determining the group composition of bitumens. p. 18.
Khachaturian, T.A., Dzhanumov, A.N. - Developing optimal conditions for the pyrolysis of gasoline in a current of superheated water vapor. p. 22.
Starshov, I.M., Syrmolaeva, G.P. - Catalytic effect of metals on coking in the pyrolysis of propane. p. 26.
Semenov, L.V., Davydov, V.P., Chukanova, O.M. - Highly effective method for obtaining acetylene by electrocracking petroleum emulsions. p. 29.
Bobrova, L.A., Nirenberg, M.A. - Adsorption of methane from a hydrazoic mixture using zeolites. p. 32.
Shkol'nikov, V.M. - Comparing the operations of deasphalting towers. p. 34.
Aliev, D.A. - Pyroburner having two functions. p. 38.
Biofloc unit for purifying waste waters. p. 41.
Recent developments in petroleum chemistry abroad. p. 42.

No. 6, 1964.
Table of contents translated:
Isofidi, I.E., and others. - Operation of an electric desalter on a nonionogenic oxyethylene fatty acid demulsifier. p. 3.
Ivanovskii, G.F., and others. - Continuous action unit for the production of a demulsifier. p. 5.
Druzhinina, A.V., and others. - Plant production of VNIINP-370 and VNIINP-371 additives. p. 7.
Zmievskii, P.K., Martynenko, V.V. - Operation of a unit for retarded coking. p. 12.
Poliakova, A.I., and others. - Operation of a unit for the drying of reduced gas in the Minnibayevo gasoline plant. p. 14.
Davydov, B.N., Basov, A.N., Gel'ms, I.E. - Cost of spent catalysts. p. 17.
Zrelov, V.N., Rybakov, K.V. - Improving the filtration of jet fuels in an aerodrome fuel warehouse. p. 20.
Rogachev, S.G., Smidovich, E.V. - Desulfurization of petroleum coke in a gas current. p. 22.
Martynov, V.M. - Determining the moisture content of lubricants. p. 25.
Aliev, D.A., Akhmetov, Sh.T., Mamedova, V.D. - Metastatic method for the quantitative determination of diphenyl in diphenyl bearing products. p. 28.
Abaeva, B.T. - Using extracts as stock for the production of active and semiactive carbon black. p. 30.
Cherevatko, V.P., Sharipov, R.S. - Monoethanol amine removal of carbon dioxide from an inert gas on a catalytic reforming device. p. 33.
Kurganov, V.M., Gonsales, A.G. - Remodeling a catalytic cracking furnace. p. 36.
Slavinskii, D.M. - Inert gas generator of simplified construction. p. 40.
Zinchenko, A.K. - Changing the system of control for rectification columns in the selection of lateral flows. p. 42.
Sverbil', P.T. - Removing hydrogen sulfide from liquefied gas. p. 43.
Development of petroleum refining capacity in the United States. p. 45.
Location of petroleum refineries. p. 47.
Domet process and the possibility of cracking low-quality stock. p. 49.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no. 4, 1963.
Table of contents translated:
Guseinov, G.A., Solomonov, B.M. - Special features of the geology and development of the Siazan' oil field. p. 3.
Gaidbekov, G.D. - Development of the Selli fractured oil field. p. 6.
Voroshilov, E.A. - Results of water injection with simultaneous forced exploitation in the northern periclinal horizon 2-2a of the Surakhany field. p. 10.
Polunin, E.E. - Increasing the efficiency of thermochemical treatment. p 15.
Bakhtiiarov, A S., Pastukhov, I.V., Stepanchikov, E A. - Industrial experience in the thermal treatment of wells with a thermal injector p. 17.
Mustaev, IA.A. - Electric heating of the well-bottom zone in the Bashkirian fields. p 21.
Muratova, I D. - Determination of the dispersion of petroleum emulsions by centrifugation using surface active substances. p 24.
Matveev, I M. - Use of the MGP-3 manometer for temperature measurement in flowing wells. p. 27.
Fakhreev, I. A - Investigation of wells with deep-well flow meters of the Ufa Petroleum Scientific Research Institute. p 30.
Alekseeva, V.A., Karelin, IA A. - Removing dissolved petroleum from waste water using ozone. p. 33.
Experience in the use of solvents to increase petroleum recovery. p. 36
Exploitation of wells in fractured reservoirs. p. 39.
Clark, N.J - Sampling and analyzing reservoir oil p. 40.
Clark, N.J. - Processing data on crude-oil samples. p. 42.

No. 5, 1964.
Table of contents translated:
IUrin, I.IA. - Intensive development of bed D_{11} of the Konstaninovka oil field. p. 3.
Sabirov, I.Kh. - Investigating the effect of the flow rate on the recovery factor of bed D_{11} in the Konstantinovka oil field. p. 7.
Sidorovskii, V.A. - Dependence of the state of the bottom zone of a reservoir on the type of reservoir rock for regions in Western Siberia. p. 10.
Denisov, G.G., Trzhensimekh, V.I. - Features of the exploitation of wells in fractured reservoir rocks. p. 15.
Balakirov, IU.A. - Investigating wells exploited by hydraulic piston pumps. p. 18.
Ovnatanov, S.T., Karapetov, K.A. - Using the methods of side tracking and two-hole drilling. p. 23.
Gorin, V.I., Mushaliov, S.M. - Hydraulic perforation of wells in the Chechen-Ingush A.S.S.R. p. 26.
Ivanov, G.I., Musin, N.Kh., Baryrov, Kh.M. - Hydraulic sand-jet perforation in fields of the Oil Field Administration of the Aksakovo Petroleum Trust. p. 30.
Vartanov, V.G. - Controlling measures for stimulating the bottom zones of wells in the Oil Field Administration of the Lenin Petroleum Trust. p. 35.
Hall, H.N. - Evaluating the efficiency of the conditioning of injection wells. p. 39.
Caudle, B.H., Silberberg, I.H. - Increasing the injectivity of injection wells by injecting steam. p. 41.
Nolan, C. - Using steel patches to repair casing strings. p. 42.

No. 7, 1964.
Table of contents translated:
Chernomordikov, M.Z., Shapiro, B.A. - Dependence of the final recovery factor on the quantity of water withdrawn from a pool. p. 3.
Kamenetskii, S.G., Kurenkov, O.V. - Integral method for determining the reservoir compressibility factor from field data. p. 7.
Baimukhametov, K.S., Nugaev, R.IA. - Certain features in the completion of the Tournasian producing object in the Aleksandrovka Area of the Tuymazi oil field. p. 10.
Li, A.D. - Development zone and the functional activity of sulfate-reducing bacteria in the intra-boundary flooding of oil reservoirs. p. 12.
Sidorovskii, V.A. - Effect of asphaltenes on the permeability of reservoir bottom zones. p. 15.
Krutikov, B.S., Pertsov, A.IU., Pustovoit, S.P. - Developing and testing equipment for separate water injection into two beds through one injection well on the Romashkino oil field. p. 19.
Zaitsev, IU.V., Piiushch, A.M. - Stress relief in hydraulic fracturing. p. 23.
Arutiunov, M.S., Adamian, Sh.A. - Investigating the operation of veneer pipes in oil fields. p. 26.
Rasskazov, V.A., Nugaev, R.IA. - Using paint and varnish coatings to prevent paraffin sedimentation in gathering-system pipes. p. 29.
Bryzgin, V.A., Belov, E.P. - Attachment to the APR-2 automatic device for hoisting and lowering rods. p. 31.
Trebin, G.F., Kapyrin, IU.V., Vasil'ev, V.N. - Thermograph with a contact temperature-sensitive element for investigating wells. p. 33.
Abdulin, F.S., Martirosian, V.B. - Determining the location of the parted casing of a producing string using a flow meter. p. 37.
Sharipov, A.Kh. - Quantitative determination of leakage in a deep-well pump using a dynamograph. p. 39.
Scott, J.O. - Investigating wells with one vertical fracture in a nonstationary regime. p. 43.

[illegible], J.W. - Determining the location of the water-oil [illegible] from the data of investigations in one well. p. 41.

[illegible] - Automatic control of the operations of several oil fields from one computing center. p. 44.

[illegible], G.P., [illegible], J.S., Smith, J.M. - Heat transfer in porous media in a direction perpendicular to the gas flow. p. 45.

NEFTIANOE KHOZIAISTVO [PETROLEUM INDUSTRY]
[illegible] Khimicheskoi i [illegible] pri Gosplane SSSR [State [illegible] Chemical and Petroleum Industry, and [illegible] State Planning Committee of the U.S.S.R. [illegible] Moscow, vol 41, no 2, F[illegible]

Table of contents translated:
Fe[illegible], M.M. - Economic problems in the development of petroleum and gas production in the Soviet Union. p. 1.
[illegible], V.L., Segal', S.Z. - Calculating the stabilization products of petroleum. p. 8.
[illegible], E.F. - Completed well as a basic index for the planning and calculation of drilling operations, discussion of I.IA. Vairer's article. p. 10.
Glikman, I.S., Ioanesian, IU.R., Ioannesian, R.A. - Using turbines with falling pressure lines and axial drill pumps. p. 13.
Ter-Grigorian, A.L., Danielian, A.A., Shapiro, Z.L. - Equipment for the hermetic sealing of the well head in deep drilling. p. 19.
Grigor'ev, V.L., Sidorov, N.A. - Determining the permissible internal pressure in casings. p. 25.
Sergeevich, V.L., and others. - Regularities in the flooding of oil from reservoir rocks with compressed gases in a model reservoir. p. 29.
Dobrynin, V.M. - Change in the elastic-capacity factor of sand reservoirs depending on rock and reservoir pressure. p. 35.
Razartsev, N.F., Loshkarev, K.L. - Efficient clearances between the packer in the casing string and reservoir testers. p. 40.
Aliev, M.D. - Lifetime of deep-well pumps. p. 42.
Savitskii, V.B. - Development and location of petroleum supply centers. p. 46.
Rashchepkin, K.E., Buzhinskii, V.L., Ovchinnikov, L.S. - OMZ-1 combined high-speed cleaning device. p. 51.
Belov, V.P. - Using urea-formaldehyde resins to control circulation loss. p. 56.
Khalimov, E.M. - Millionaire oil well. p. 61.
Khlebodarov, N. - Work of a seminar on the study of the formation and the physicomechanical properties of hardened cement. p. 62.
Orudzhev, S.A., Timofeev, N.S., Mzareulov, D.K. - Petroleum production in Japan. p. 64.
Geiman, M.A. - Concerning the book of S.M. Lisichkin "Oil industry of the countries of the Near, Middle, and Far East. p. 71.
Geller, Z.I., Levinbuk, I.Kh. - Concerning the book of A.D. Al'tshul' "Local hydraulic resistances in the motion of viscous fluids." p. 72, 3 of cover.

Vol 42, no. 6, June 1964.
Table of contents translated:
Balbakov, N.K. - Raise the economic level, improve the organization, planning, financing, and accounting of drilling operations for oil and gas. p. 1.
Grachev, B.A. - Automatic control of the rotation speed of a turbodrill shaft. p. 8.
Sumbatov, R.A., and others. - Drilling wells of decreased diameter using a turbotachometer. p. 12.
Sarkisov, G.M. - Calculating casing strings; reply to an article by O.A. Lebedev. p. 17.
Vladimirov, K.A., and others. - Effect of a cement ring on the capacity of casing strings to resist collapsing loads p. 19.
Berezhnoi, A.I., Sidorov, I.A. - Cementing high-viscosity and quick-hardening-mixtures obtained by the introduction of dry free-flowing material into cement slurry. p 24.
Zhelonkin, A.I. - Differential degassing of the Devonian oils in the fields of the Tatar A.S.S.R. p. 30.
Amian, V.A., and others. - Drilling in producing strata. p. 35.
Voinov, IA.P. - Dependence of the porosity of rocks on their density. p. 41
Belous, A.T. - Electronic dynamoscope with a zero reading line and load scale. p. 43.
Frankfurt, IA.M. - Automatic control of the electric dehydration and electric desalting of oils. p. 46.
Markova, A.N., Smirnov, M.F. - Relation of petroleum products transportation to other types of transportation. p 50.
Kurochkin, B.M., Khabibullin, R.A. - New method for investigating circulation loss in drilling. p. 58.
IUmadilov, A.IU. - Completion of injection wells by hydraulic fracturing. p. 62.
Sukhorukov, IA. - Second All-Union Congress of Scientific Technological Societies. p. 64.
Kogan, Z. - Second plenary session of the Central Administration of the Scientific Technological Society of the Oil and Gas Industry. p. 66.
Lakhno, R.P., Akhmedov, A.I., Sorokin, B.D. - Specialized automotive transportation for petroleum products. p. 67.
Brief news p 70.

Vol 42, no 7, July 1964
Table of contents translated
Amirov, A.D. - Workers of the oil and gas industry of Azerbaijan are creating a base for macromolecular chemistry p. 1.
Buchin, A.N. - Methodological problems in the economic evaluation of an increase in the recovery factor resulting from tight well spacing. p. 5
Afanas'ev, M.K - Planning, accounting and calculation of the cost of oil-recovery products in the combined preparation of oil in the field. p. 9.
Vinogradov, V.N., Shreiber, G.K., Sorokin, G.M. - Investigating wear and failure of the teeth of bit rollers. p 14.
Nomikosov, IU.P. - Freezing of drill pipes in wells. p. 17.
Kistor, E.G., and others - Using chromates to increase the thermal stability of clay muds. p. 23.
Nazarov, S.N., Kuchkarov, K.D., Normatov, A. - Cementing low-temperature gas wells. p. 26.
Titkov, N.I., Don, N.S., Neretina, A.IA. - Qualitative change in hardened cement when it is formed under normal conditions. p. 30.
Durmishian, A.G - New type of oil and gas pool. p. 35.
Melik-Aslanov, L.S. - Gas-condensate flooding of oil from a porous medium. p. 38.
Miroshnichenko, IU.P., Konovalov, V.I., Berents, IU.IA. - Field investigation of the cooling of a well bore and measures for preventing corrosion of underground equipment. p. 42.
Amelin, I.D. - Efficient perforation-interval arrangement in the wells of gas-oil pools with bottom water and the order of its transfer; a topic for discussion. p. 45.
Nadzhafov, N.N. - Clearing out sand in the exploitation of oil wells. p 48.
Akimov, V.F., Voznesenskii, IU.A., Popkov, V.V. - Dynamic properties of a trap-separator as an object of automatic control p. 52.
Geller, Z.I., Skobel'tsyn, IU.A. - Disruption characteristics of external cylindrical nozzles. p. 57.
Mamadzhanov, U.D. - Device for investigating the motion of drilling mud in the well bore. p. 61.
Nugaev, R.IA., Baimukhametov, K.S. - Simultaneous separate exploitation of two strata in one well in the Tuymazy oil field. p. 64.
Ali-Zade, A.A., Rzabekov, Z.F., Subbotin, M.A - Results of the scientific research of institutes for 1963 and the economic efficiency of the operations introduced. p 67.
Gonik, A., Kravchenko, I. - All-Union conference on the adsorption of surfactants and its significance in petroleum production. p 70.
Maksimovich, G.K. - Brief news. p. 72.
Konev, A.P. - Useful book; concerning S.V. Vykhodtsev's book "Oil Industry Statistics." p. 75.
Kuz'ma Fomich Zhigach, obituary. p. 76.

OBOGASHCHENIE I BRIKETIROVANIE UGLEI [COAL PREPARATION AND BRIQUETTING]. Issued by Vsesoiuznyi proektno-konstruktorskii i nauchno-issledovatel'skii institut po obogashcheniiu i briketirovaniiu uglei [All-Union Planning, Design, and Research Institute for Coal Preparation and Briquetting]. Moscow, no. 26, 1962.

Table of contents translated:
Malinovskii, V.A., Filipov, V.A. - Testing a laboratory roll-vibration granulator for processing flotation concentrates. p. 3.
Akopov, M.G. - Coal preparation in a heavy medium in hydrocyclones. p. 15.
Ponomarev, I.V. - Calculating technological indices of the operation of resonance screens. p. 19.
Krasil'nikov, I.P. - Selection of a plan for cooling hydraulic coupling for the drive of a powerful centrifuge. p. 25.
Grekhov, I.T. - Raising the economic efficiency of the burning of raw coals in furnaces with a poke strip. p 33.
Krokhin, V.N. - Studying the stability of brown coal briquets. p. 44.
Turchenko, V.K. - Studying the process of bed stratification in a uniflow jigg p. 51.
Zvenigorodskii, G.Z., and others. - Briquets made of Shurab brown coals and their burning efficiency. p. 62.
Bakel's, P.S. - Reports made at the Third International Coal Preparation Congress in June, 1958; Effect of coal moisture and its ash content on the cost of coke and the ash content of coal on the cost of pig iron. p. 70.

RAZVEDKA I OKHRANA NEDR [PROSPECTING AND CONSERVATION OF MINERAL RESOURCES]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and TsK Profsoiuza rabochikh geologorazvedochnykh rabot [State Geological Committee of the U.S.S.R. and the Central Committee of the Trade Union of Workers Employed in Geological Prospecting]. Moscow, vol 30, no 2, Feb. 1964

Table of contents translated:
Vykhover, N.A. - Minerogenetic habit of the Cenozoic era. p 1.
Bybochkin, A.M., and others. - Bismuth in tungsten deposits. p 10.
Pogrebitskii, E.O. - Efficiency of geological prospecting operations. p 16
Kievlenko, E.IA - Geological and statistical methods of calculating mineral reserves. p. 21.
Grigorian, S.V. - Methods of determining the background of chemical elements during geochemical prospecting. p 26
Sulakshin, S.S., Matrosov, V.M., Spiridonov, B.I. Controlled-angle drilling of exploratory boreholes in the Ampalykskii deposit. p 30.
Barabashkin, I.I., Travkin, V.S. - Toothed roller core bit. p. 33.
IAvorskii, V.I. - Reducing losses during the mining of high-grade coal in the Kuznetsk Basin is the great objective of the national economy p 39.
Shilin, B.V. - Evaluating the quality of aerogeophysical surveying. p. 40.
Garmonov, I.V., Konoplintsev, A.A - Effect of the artificial lowering of the underground water level on the condition of the earth's surface p. 43.
Kapustin, I.A. - Method of liquidating absorption zones in small diameter boreholes. p. 49.
Zuikov, V.I. - Technical and economic indices of the operation of various construction semiautomatic elevators during drilling of vertical and inclined boreholes. p. 50
TSvetkov, N.S - Core breakers of new construction p. 52.
Nikolaev, V.G. - Protecting drill pipes from wear by partial rubberizing p. 53.
Teslia, A.G., Lobodin, V.A. - Introducing a filter sampler. p. 54.
Bronshtein, M.E., Sanatov, S.I. - From brigades and shock workers to collectives of communist labor. p. 56.
Sergeev, V.I - Business accounting in drilling brigades; in order of discussion. p 58.
Consultation on the problem of labor legislation, wages, and cooperative housing. p. 59
Zental, Peter. - New methods of geochemical and hydraulic searching for ore deposits. p. 62.
Shirokov, A.S. - Results of the fifth All-Union Scientific and Technical Geophysical Conference. p 63

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7-8, July-Aug. 1964.

REFERATIVNYI ZHURNAL: GORNYE MASHINY (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MINING MACHINERY (Separate issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964

*REFERATIVNYI ZHURNAL: METALLURGIIA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Aug. 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednogo spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]. Moscow, vol. 7, no. 7, 1964.

Table of contents translated:
Eliutin, V.P., and others. - Initial stages of the interaction of V_2O_5 with carbon. p. 5.
Kinetics and the mechanism of the reduction of manganese oxides by carbon. Report No. 2. p. 10.
Vertman, A.A., Filippov, E.S., Samarin, A.M - Density of iron alloys with carbon in solid and liquid states. p. 19.
Kamyshov, V.M., Esin, O.A., Chuchmarov, S.K. - Nitrogen solubility in iron-free slags. p. 24.
Korobov, V.I. - Carbon consumption in blast furnace smelting. p. 29.
Efimov, S.P. - Temperatures of sinter softening. p. 36.
Dolgov, V.M. - Effect of incomplete charging on blast furnace performance. p. 43.

Dragomir, I., Vishkarev, A.F., IAvoiskii, V.I. - Investigating the properties of iron-phosphorus melts. Viscosity and electric resistance. p. 48.

Garger, K.S., [illegible], B.V., Nikitin, A.I. - Algorithm to determine the moment for stopping the blowing of a Bessemer converter heat at a given temperature with the help of a controlling machine. p. 53.

[illegible], G.N., [illegible], K. - Sulfur oxidation in an oxygen blown converter process. p. 58.

[illegible], F.V., [illegible], M.P. - Carbon oxidation in a steel smelting bath. p. 63.

[illegible], O.D., Kutsenko, A.D. - Using a correlative analysis for the study of oxygen absorption by an open hearth furnace bath from the furnace atmosphere. p. 69.

[illegible], M.I., Arsent'ev, P.P., Filippov, S.I. - Macrostructure and chemical heterogeneity of 13-ton low-carbon steel ingots with an addition of aluminum. p. 77.

[illegible], V.E., and others. - Ways of reducing [illegible] discards in cause of angular segregation. p. 84

[illegible], G.IA., Polukhin, P.I. - Conformal transformations in the theory of a smoothly changing plastic flow. Report No. 1. p. 90.

[illegible], I.IA., [illegible], I.R. - Increase in width and power consumption during rolling with smooth rolls, using tension. p. 96.

[illegible], V.L. - Unit pressure and friction forces on the surface of the deformation center for a [illegible] case of rolling. p. 10[illegible].

[illegible], IU.F., [illegible], V.S., Seidaliev, F.S. - [illegible] parameters in the roller expansion of tubes. p. 112.

[illegible], V.G., Zaikov, M.A. - Forces and moments of edge rolling in box grooves. p. 120.

[illegible], P.L., and others. - Determining the [illegible] of bite in sheet rolling. p. 125

[illegible], I.IA., Kotsar', S.L. - Dynamics of the gripping of a strip by the rollers. p. 133.

[illegible], F.S., Shevakin, IU.F., Shatkovich, B.S. - [illegible] of deformations and roll grooving during [illegible] roller expansion of tubes. p. 139.

[illegible], IU., Gubinskii, V.I., Getmanets, V.V. - Temperature conditions of metal rolling on continuous, small shape and wire rod mills. p. 147.

[illegible], V.G., [illegible], A.G., [illegible], IA.S. - [illegible] and concentrated deformations in hardened and tempered steel. p. 153.

[illegible], V.P., [illegible], M.A., Pugin, V.S. - [illegible] of binary titanium alloys with tin, aluminum, and molybdenum. p. 159.

[illegible], Vertman, A.A., Samarin, A.M. - [illegible] of Fe-C and Ni-C alloys in the solid and liquid states. p. 162.

[illegible], V.T., [illegible], S.S. - Effect of additions on the [illegible] and recrystallization of copper [illegible] at a temperature of 70°K. p. 165.

[illegible], V.I. - Electric heat treatment [illegible] steel. p. 171.

[illegible], M.S., [illegible], G.IU. - Certain regularities [illegible] hardness of steel. p. 176.

[illegible], A.A., [illegible], V.V. - Effect of [illegible] on the cold brittleness of steel. p. 183.

[illegible], V.P. - Effect of residual magnesium on the [illegible] of the graphite in cast iron. p. 187.

[illegible], [illegible], O.IU., Talanov, [illegible] - Methods of calculating the cooling of a [illegible] in a multilayer mold. p. 195.

[illegible], I.P., [illegible], IU.G., [illegible], I.A. - [illegible] state transformations in cast iron alloyed with aluminum. p. 202.

[illegible], I.I., [illegible], A.IA., Levi, L.I. - Content of gases in malleable cast iron. p. 210.

[illegible], A.F. - Optical method of determining the concentration of soot in flame. p. 215.

[illegible], V.N. - Flow of gases and the convective heat exchange in compartment furnaces at the [illegible] Plant. p. 221.

[illegible], A.F., [illegible], S.A., IAvoiskii, V.I. - Equipment for determining the surface tension of liquid metals. p. 227.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] Ministry [illegible] Bulle- [illegible], Jour- [illegible]

Table of contents translated:

[illegible], D.A. - Structure of the Kommunar ore field in the Kuznetsk Alatau and methods of exploratory boring. p. 3.

Arsent'ev, A.I., Polishchuk, A.K., Adigamov, IA.M. - Effect of indices of losses and depletion during development mining of deposits at the end boundaries of a strip mine. p. 9.

[illegible], M.I., Meshkovskii, G.A. - Behavior of rocks under prolonged action of an applied load. p. 15

Chirkov, IU.I. - Opening of Krivoy Rog Basin ore deposits with the use of inclined conveyor shafts. p. 24.

Podlukov, V.A. - Expressing mathematically the complete cost of stepped transportation. p. 31.

Luk'ianov, N.G. - Investigating the carrying capacity of rod bolting in the Starobin potassium salt deposit. p. 36.

Druzhinin, A.V. - Economic basis of the efficiency of mining equipment in the evaluation of design solutions. p. 41.

Nikolaev, N.I. - Economic and mathematical formulation and methods of solving problems determining the effectiveness of capital investments in the coal industry. p. 40.

Moltusov, G.P., Kotov, G.K., IAkovenko, A.I. - Economic evaluation of the practical usefulness of formulas for calculating parameters of boring and blasting operations in strip mines. p. 54.

Lavrik, V.G. - Determination of the zone of economic usefulness of water ring exhausters in degasification systems in coal mines. p. 60.

Rogov, E.I., S.TSoi [S.Ts'ou]. -Theory of calculating ventilation systems. p. 69

Krivoruchko, A.M. - Effect of moisture evaporation from the surface of wall rocks and the drainage ditch on the climate in deep mine workings. p. 70.

Laigna, G.IU. - Selection of the optimal cross section of holes and the distance between them. p. 84.

Batchkin, A.V., Pogreb, V.I. - Temperature aftereffects following jet piercing. p. 89.

Rubtsov, V.K. - Visible cracking of the surface of a massif being blasted. p. 96.

Logoza, V.D., Efremov, I.F. - Comparative evaluation of boring machines with sinker compressed-air drills. p. 102.

Bolavkin, I.I., Loliunov, S.E. - Mining in rocks without blasting. p. 106.

Mel'nikov, T.I. - Effect of solid-fluid mixtures on changes in the characteristics of suction dredges. p. 111.

Strekachinskii, B.A. - Study of the operation of a hopper train. p. 116.

Ivanov, P.A. -Coefficient of static friction and coal and rock movement; using the Kizel Basin as an example. p. 126.

Shapoval O.T. - Studying resistance coefficients of load carrying cylinders moving in pipes. p. 129.

Belykh, B.P. - Protection system using an operative high frequency current for preventing single-phase short-circuits to ground in networks with 3-6 kv. voltages. p. 136.

Bagautinov, G.A., Petrov, I.P. - Efficient electric drive systems for the bucket mechanism and head winches of chain and bucket dredge. p. 139.

Arshinskii, V.M., Zub, M.P. - Hydraulic and automatic control of the operating conditions of mine fans. p. 148.

Sverdel', I.S. - Automatic control in ore dressing plants. p. 155.

Kozin, V.Z., Lukas, V.A. - Principal dynamic regularities of the flotation process as an object of automatic control. p. 164.

Zenkin, N.I., Kirpichnikov, V.M. - Generating transient electromagnetic moments of asynchronous motors. p. 171.

Barbin, M.B. - Effect of the concentrations of a water-repellent additive (turpentine) on the filtration of quartz suspensions. p. 179.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] ry of [illegible] and [illegible]

Table of contents translated.

Engibarov, V.N. - Prospects for finding gas in the Khadum sediments in the western part of the Manych Depression. p. 3.

Abdullaev, R.A. - Thinning out of the producing formation in the Lower Kura region according to the data of seismic prospecting. p. 7.

Dolitskii, V.A., and others. - Geological maps of the horizontal shears in the region of the Chir-Don dislocations. p. 11.

Khuan Zhun-TSsun', [Huang Jung-tsun], Baldiuk, B.V. - Effect of temperature on the deformability of the clay material on well walls. p. 15.

Gulizade, M.P., Makhmudov, D.M. - Effect of certain factors on the change in the angle and azimuth of the hole deviation of inclined wells depending on the footage of drilling without a whipstock. p. 21.

Akhmedov, A.A., Faradzhev, T.G., Nazirov, S.A. - Determining the practical depth for using super-turbodrill whipstocks taking into consideration the effective disintegration of rocks on the bottom and the full realization of turbodrill power. p. 27.

Uzumov, I.G. - Determining the load on surface equipment during the operational cycle of a deep-well pump. p. 35.

Khalikov, G.A. - Studying the first phase of the radial flow of thinned oil by averaging the right sides of differential equations of motion. p. 41.

Bogachev, B.A. - Determining the physical parameters of a gas-bearing reservoir. p. 47.

Petrov, V.N. - Determining the critical velocity of a fluidized polydispersed bed of granular material. p. 53.

Kolesnikov, I.M., Panchenkov, G.M. - Kinetic equation of parallel bimolecular reactions taking place in the gas phase of flow in the presence of solid catalysts. p. 61.

Skripnik, E.I., and others. - Dehydration and desalting of sweet and sour petroleums. p. 67.

Doleshal, Sh. - General equations for the subsonic nonsteady flow of real gases in pipes. p. 71.

Zaitsev, V.I. - Similitude criteria for processes in hydrocyclones. p. 77.

Kozobkov, A.A., Khachaturian, S.A. - Extinguishing pressure surges in the pipelines of compressor machinery. p. 83.

Dobrovskii, S.A., Chernikin, V.I. - Temperature conditions in gas pipelines. p. 89.

Aliev, M.A., Meshcheriakov, IU.A. - Device for measuring the thickness of nonmagnetic protective coatings on ITP-62 petroleum equipment. p. 95.

Vigdorov, D.I. - Organizing communication channels in the power distribution networks of offshore oil fields. p. 97.

Savin, V.V. - Dynamic properties of self-compensating remote control systems with inductive converters. p. 103.

Korobov, K.IA., Glogovskii, M.M. - Effect of well conditions on pool flooding. p. 109.

Bagaturov, S.A. - Calculating the conditions for the minimal reflux for separating triple mixtures. p. 115.

Ismailov, R.G. - Industrial training of students in enterprises of the Council of the National Economy. p. 117.

Mamedov, A.M. - Increasing the quality of the training of specialists and improving the organization of education in evening and correspondence courses. p. 118.

Brief news. pp. 20, 26, 34, 46, 52, 60, 114.

Vol. 6, no. 7, 1963.

Table of contents translated:

Taranukha, IU.K., Nikanorov, M.M. - Principals of paleogeothermal investigations. p. 3.

Panakhi, Sh.A. - Zoning of the waters of the northern fold in the Artem Island field. p. 5.

Engibarov, V.N. - Prospects for finding oil and gas in Lower-Cretaceous sediments in the western area of the southern slope of the Karpinsk swell. p. 9.

Bagirzade, F.M., Kravchinskii, Z.IA. - Comparison of conditions governing the distribution of petroleum in the producing and red layers as illustrated by the Cheleken and Neftyanyye Kamni fields and prospects for finding oil and gas in the structures of the Apsheron sill. p. 13.

Gasanov, G.T., El'darov, T.P. - Solution of the problem of the nonsteady flow of a viscous incompressible fluid and the relation of this problem to the determination of the hydrodynamic pressure on well walls when the drilling tool is being lowered into the well. p. 17.

Kulizade, K.N., Saidov, A.A. - Investigation of the starting operation of draw works considering the mechanical characteristics of the power engine. p. 23.

Guseinov, F.A. - Experimental investigation of window cutting in production columns. p. 29.

Shipulin, V.N. - Isolation of the solid hydrocarbon phase in wells in paraffinic petroleum production. p. 33.

Gimatudinov, Sh.K. - Nature of the surface of minerals in petroleum-bearing rocks. p. 37.

Sattarov, M.M., Gil'manshin, I.G. - Selection of wells for the carrying out of water-exclusion operations. p. 43.

Ismailov, R.G., and others. - High-temperature reformed ligroine as a raw material for big chemistry. p. 49.

Kortikov, V.S., Zykov, D.D. - Infinite reflux operation of a packed column in the rectification of multicomponent mixtures. p. 55.

Grishin, A.P., Tilikpo, G.A. - Solubility of paraffin in aromatic hydrocarbons and chlorine derivatives. p. 59.

Petrov, A.P., Movsumzade, M.M. - Terephthalic acid from paradiisopropylbenzene. p. 63.

Kanashkin, E.K. - New form of concentration-lines equations for rectification columns. p. 65.

Karaev, M.A. - Investigation of hydraulic parameters of the U8-3 circulating pump. p. 71.

Shchelkachev, V.N., Vilushin, V.E. - Further simplification of approximate formula for calculating pressure decrease at the wall of an enlarged hole started with a constant production rate in elastic drive. p. 77.

[illegible], A. M., [illegible], A. M. - Certain problems [illegible] integrators and methods for [illegible] gas flow. p. 83.

[illegible] - Investigation of single core logging [illegible] in a pulse system [illegible]. p. 89.

[illegible], V. I., [illegible], K. F., IAsin, F. M. - [illegible] of stresses in the wall of a pipe in [illegible]. p. 95.

[illegible], V. I. - Machine errors in heat transmission [illegible]. p. 101.

[illegible], M., [illegible] - Engineering [illegible] reinforcement of bit rollers. [illegible]

[illegible], A., Veraksin, I. M. - Method for [illegible] the characteristics of blast pumps from [illegible] fluid. p. 113.

[illegible], F. M. - Problem of power balance in [illegible] with bit rollers. p. 118.

[illegible], M. E. - Plastic valves. p. 120.

[illegible], A. G., [illegible], V. A. - Train young [illegible] with modern problems. p. 123.

[illegible] a reader of "Neft' i gaz." pp 48, 70, 76

[illegible], K. V. - Ore experts and petroleum prospecting of the Volga-Ural region in the middle of the 19th century. p. 125.

[illegible] SHAKHTER [SOVIET MINER] Issued by [illegible] komitet Profsoiuza rabochikh ugol'noi [illegible] SSSR [Central Committee of the [illegible] Workers of the Coal Industry of the [illegible]]. Moscow, vol 13, no 4, Apr 1964

Table of contents translated

Following Lenin's path p 1

K[illegible]arov, V - The attack goes on p 4.

IAkovlev, V, Shevchenko, N - Not only fuel but chemical raw materials p 8

Klassen, V - How chemistry helps coal preparation p 9

[illegible], V - To search, analyze, and weigh p 11.

Tolis, A - From losses to profits. p 13.

[illegible], R - The KM-100 unit. p. 16.

[illegible], N - For each longwall a heavy load p. 17

Ignat'ev, B - Course on the concentration of mining operations p 20

Kashirin, V - A warm word about the people of the cold territory p. 22

Artem'ev, I, Podgorbunskii, V, Ratsyborskii, E - The difficulty has been overcome. p 24

Liubachev, M - Times are changing; work conditions are changing p 26

Sukharev, N - Common interest. p 26,

[illegible], A - Much depends on the miners. p 27.

Zad rozhnyi, M - Machine operators are the decisive force p 27

Dorofeev, V - Suggestions by miners from beyond the Arctic Circle p. 29.

Mas'ko, I - Shine brightly, star! p. 30.

Razmazin, A - The pride of Old Kasym. p. 31.

Dinge, Viktorin - We will meet in Moscow p 33.

Panov, G. - Do not reduce your efforts p 35.

Mining engineering and equipment abroad p 36.

Avcharov, M. - Test of reputation. p. 37

Consultation. p 40

New books p. 42

Lazarev, M - Highest title of distinction p 43

Lupalo, I. - Oath. p. 44

*STAL' [STEEL] Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee], and others Moscow, vol. 23[i.e 24], no 4, Apr. 1964.

Table of contents translated:

Feter, A. S., Morozov, A. N., Bulatova, Z. I. - Use of open-hearth slags as fertilizer. p. 289.

Zherebin, B. N., and others. - Automatic control of the distribution of blast to blast furnace tuyeres at the Kuznetsk Metallurgical Combine. p. 292.

Volovik, G. A., Potebnia, IU. M. - Reducing the sulfur content of converter cast iron at the Zaporozhstal' Plant in connection with an improvement of the technology of blast furnace smelting. p. 296.

Pokhvisnev, A. N., Vegman, E. F., Vagin, A. A. - Investigating the model of a charging apparatus with a rotating chute. p. 299.

Grekov, P. N., Gruzinov, V. K. - Regularities of pressure of the charge mixture in blast furnaces. p. 301.

Brovman, M. IA., and others. - Testing and starting an oxygen-blown converter with a 100-ton batch. p. 303.

Voronov, F. D., and others. - Technological conditions of superpower open-hearth furnaces at the Magnitogorsk Metallurgical Combine. p. 305.

Minenko, V. A., and others. - Potentialities for increasing the output of open-hearth furnace plants now in operation. p. 309.

TSigler, V. D., Platikop, P. D. - Mechanism of mass adhesion during hot guniting of the basic brickwork in open-hearth furnaces. p. 313.

Gabisiani, A. G., Mchedlishvili, V. A., Mikeladze, G. Sh. - Removal of oxide inclusions from steel during deoxidation by iron-silicon-aluminum alloys. p. 316.

Sabirzianov, T. G., Abrosimov, E. V., Moiseenko, A. I. - Investigating the preheating of granular materials in large-capacity open-hearth furnaces. p. 318.

Melikhov, P. I., and others. - Industrial adoption of the smelting of a new stainless, heat-resistant CN-2 (EI904) steel. p. 320.

Kaibicheva, M. N., and others. - Temperature conditions for the resistance of the lining of large capacity electric furnaces at the Chelyabinsk Metallurgical Plant. p. 324.

Polukhin, P. I., and others. - Ways of increasing the stability of rolls on cold rolling mills. p. 329.

TSykina, N. P. - Increasing the hardness of chill-cast sheet mill rolls made of magnesium cast iron. p. 334.

Bogoiavlenskaia, N. V., Limin, B. E. - Bipolar electropolishing of tubes. p. 338.

Salukavadze, V. S., Kondrat'ev, B. V., Plastinin, B. N. - Protective coating of steel pipes. p. 340.

Murinov, D. M., Grebenshchikova, A. Z., Liadova, A. A. - Search for new lubricants for the cold rolling of stainless steel pipe. p. 342.

Ledkov, V. G., Markov, R. I. - Cleaning and finishing the surface of stainless steel strip and sheet. p. 343.

Aleksandr Ivanovich TSelikov; on his 60th birthday. p. 346.

Babakov, A. A., and others. - Review of F. A. Ksenzuk's, and N.A. Troshchenkov's book "Rolling and finishing of stainless steel strip." p. 348.

Pridantsev, M. V., Estulin, G. V., Zimina, L. N. - Effect of molybdenum and tungsten on the properties of heat-resistant nickel alloys. p. 349.

Freidenzon, E. Z., and others. - Measures for the correction of corner segregation and nonmetallic inclusions in wheel steel. p. 354.

Litvinenko, D. A. - Boron in low-carbon steel for deep drawing. p. 357.

Malinochka, IA. N., Koval'chuk, G. Z. - Effect of macro- and microheterogeneity of an ingot on the mechanical properties of spring steel. p. 362.

IUkhvets, I. A., and others. - Hardening of rolled wire rod from the rolling temperature by water cooling prior to coiling. p. 364.

New books. pp. 366, 371.

Sklokin, N. F., Vishnevskaia, T. A. - Technical progress in the production of tinned sheet steel in the U.S.S.R. and its reflection in the consumption of basic materials. p. 367.

Ben', T. G., Kagan, I. S. - Review of N. P. Bannyi's book "Technical and Economic calculations in ferrous metallurgy." p. 370.

Gol'dfarb, E. M., and others. - Applying the principle of control by perturbation for open-hearth furnace control systems. p. 372.

Kokhno, V. I. - Effect of repeated stress and recovery on the relaxation resistance of wire for prestressed reinforced concrete. p. 376.

Bakshi, R. A., Kantushov, S. A. - Control of deposition in circulating water supply systems for gas purification. p. 378.

Vadas, Z. - Operation in Hungary of open-hearth furnace parts necessitating cooling. p. 380.

Frishman, M. A., and others. - Investigating special railroads in metallurgical plants operating under heavy loads. p. 382.

TORFIANAIA PROMYSHLENNOST' [PEAT INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 41, no. 1, 1964.

Table of contents translated:

For a successful fulfillment of the decisions of the December Plenum of the Central Committee of the CPSU. p. 1.

Fortieth anniversary of the "Torfianaia promyshlennost'" journal. p. 3.

Felicitations addressed to the journal. p. 8.

Murashov, M. V. - Calculation of the basic parameters of the cutting machines for peat winning in deposits with woody inclusions. p. 10.

Kruglinskii, Ch. A. - Performance of pneumatic "BPf" cutter loaders during the 1963 season. p. 14.

Marchuk, A. I., Denis, S. M. - Opinions expressed by the operators of the BPf machines. p. 16.

Tanovitskii, I. G., Osadchii, E. A. - Manufacture of peat semi-briquets in the White Russian S.S.R. p. 18.

Paplauskas, L., Bulynko, M. G. - Work experience of the Silute Peat Litter Plant. p. 20.

Prokhorov, N. O., Tertyshnikov, A. A. - Raw material sources for the organization of the production of litter and peat insulation plates. p. 22.

Tkach, A. F. - Peat bitumen in a model composition without stearin.

Rivkina, Kh. I., Kul'kova, N. V. - Production of oxalic acid from peat. p. 26.

Kunin, A. M., Unmut, L. D. - Determining organic bases content of the liquid products of the thermal processing of peat. p. 29.

Exchange of experiences by the enterprises of the economic councils. p. 33.

News review. p. 35.

Aleksei Fedorovich Bausin, obituary. p. 40.

TRANSPORT I KHRANENIE NEFTI I NEFTEPRODUKTOV [TRANSPORTATION AND STORAGE OF PETROLEUM AND PETROLEUM PRODUCTS]. Issued by Gosudarstvennyi komitet neftedobyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut tekhniko-ekonomicheskikh issledovanii po neftianoi, neftekhimicheskoi i gazovoi promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 6, 1964.

Table of contents translated:

Donets, K. G., Chernikin, V. I. - Development of steam hollows in consecutive pumping. p. 3.

Dizenko, E. I. - Using the MESU-1V electronic level indicator in the automatic control of pumping assembly. p. 9.

Pevzner, V. B., Bratov, N. A., Patik, L. O. - Monitoring and indicating of the passage of scrubbers and separators along pipelines. p. 12.

Galeev, V. B. - High-frequency drying of a pipeline prior to insulation on overhauling. p. 15.

Kuprilanov, V. F. - New trends in the filling and emptying of tank cars. p. 19.

Idrisov, D. V., Dzhabrailov, A. D. - Basic causes of the unreliable operation of UDU apparatus and methods for their elimination. p. 21.

Vorob'ev, M. A. - Natural losses of petroleum products in service stations. p. 23.

Petrosiants, P. A. - Centralized transportation of petroleum products. p. 27.

Sapov, I. I. - Determining the capacities of railroad distribution tank farms in agricultural regions. p. 29.

Insulation for cold pipelines. p. 34.

Advances in the use of aluminum pipelines. p. 35.

Chamber for hoisting and lowering equipment under water. p. 38.

Panama Canal. p. 39.

No. 7, 1964.

Table of contents translated:

Striuk, I. S., Chernikin, V. I. - Investigating the heat and hydraulic regimes of heat-insulated pipelines. p. 3.

Galeev, V. B., Soshchenko, E. M., Dobritskii, N. V. - Analyzing the causes of failure in pipelines. p. 7.

Bleikher, E. M., Pol'skii, S. M., Chernikin, V. I. - Determining the optimal number of pouring devices in distribution tank farms. p. 10.

Abuzova, F. F., Chernikin, V. I. - Distribution of concentrations in pumping a product from a deep reservoir. p. 13.

Isupov, IU. G., Khaziev, N. N. - Testing reservoirs for the storage of petroleum products in rock-salt sediments. p. 16.

Mezhiritskii, L. M. - Regulating the accounting for petroleum products on tank farms. p. 18.

Serdiukov, V. S. - Increasing labor productivity on tank farms. p. 20.

Dorovshchikov, N. A. - Simplified device for discharging petroleum products from the bottoms of tank cars. p. 22.

Biktashov, Ch. F. - Innovations introduced in the Subkhangulovo Regional Petroleum-pipeline Administration. p. 23.

TSimbler, IU. A., IAshin, V. A. - Instruments for the monitoring and control of the thickness of the walls of steel pipelines and reservoirs. p. 29.

Raber, Sh. M. - Fuel pumps of the Austrian firm "Shvel'm-Shtrager." p. 33.

Light-weight plastic pipes. p. 37.

Floating aluminum roofs for reservoirs. p. 37.

Remote pipeline control in Iraq. p. 38.

UGOL' [COAL]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 39, no. 5(458), May 1964.

Table of contents translated:

For the peace, labor, freedom, equality, and happiness of all peoples. p. 1.

Vladychenko, I. M. - Miners' efforts to create a material and technical base of communism. p. 4.

Ermak, I. I. - Prospects for using chemical materials in the creation of new machines for the coal industry. p. 9.

Volodin, G.A., Bondarenko, N.I. - The Novo-Uzlo skaya Central Coal Preparation Plant is an enterprise of communist labor. p. 12.

Psheslavskii, M.N., Smirnov, N.D. - Fulfill the seven year plan ahead of time. p. 15.

Briushchenko, L.P., Zakharchuk, V I. - Rhythmic work is the guarantee of high technical and economic indices. p. 16.

Grin'ko, N.K. - Luganskugol' Combine miners will fulfill the seven-year plan ahead of time. p. 18

Kizub, I.P., Sokolov, A I. - Efforts of the miners of the Anthracite Trust to fulfill the seven-year plan ahead of time. p. 21.

Ermachenko, P.S. - Along the road to technical progress. p. 24.

Shal'nov, N.A., Savenko, IU.F. - Rapid mining in mines of the Porvomayskiyugol' Trust. p. 27.

Solodovnikov, G.V., Babushkin, A.M. - Rapid crosscutting at the No. 3-3a Mine in the Kuznetsk Basin. p. 28.

Sladkomeov, V.I. - Rapid mining of an incline. p. 30.

Berdiugin, V.A., Bushuev, A.P. - New success of the A.IA. Khmelev mining brigade at the "Polysaevskaia-2" mine of communist labor p. 32.

Markovskii, IU.N. - Prospects for the further development of Mine No. 4-2a of the Kadievugol' Trust. p. 33.

Baskov, G M. - Expansion of the strip mining of coal at the Bashkirugol' Combine. p. 34

Novikov, A.M. - Potential for raising the performance of the ESh-4/40 walking excavator in the Kuznetsk Basin. p. 38.

Gus'kov, A.M., Zhediaevskii, M.A. - Hydraulic mining at the Nazarovo strip mine. p. 41.

Spivakovskii, A.O., Smoldyrev, A.E. - Present day stage in the development of hydraulic conveying in the coal industry. p. 42.

Stepanov, V.F. - Hydraulic coal mining at the Polysaevo-Severnaya mine. p 40

Gorbachev, D.T., Droniuk, A.A. - Experimental use of the K-52-m cutter-loader on inclined seams. p. 51.

Belikov, V.G., Goncharenko, D.I. - Mining an extremely thin flat seam with a scraperplow unit. p. 54.

Chenskii, L I. - Holing chutes with the help of the "Komsomolets" coal cutter-loader. p. 57.

Pogodin, N.IA. - Economic efficiency of mining thick seams with the use of KTU supports. p. 58.

Podbel'skii, G.N., Marasheva, N.I. - Work quality in the sorting of Kuznetsk Basin coals. p. 60.

Kamneva, A.I., Ammosova, IA.M., Messerle, P.E. - Using the S-100 super centrifuge for fractionating coal. p. 62.

Bich, IA.A., and others. - Rock bumps and efforts to control them in mines of the Suchan deposit. p. 64.

Zbykovskii, N.M., Maliutin, M.A. - Suppression of coal dust with a foam having a low volumetric ratio.

Victory of Czhechoslovakian miners. p. 69.

Anev, G.A. -Fixed lighting of coal mines in the People's Republic of Bulgaria p. 60.

Belash, A.S., Kovalev, A.F., Linnik, G.F. - Programmed control of a rotary excavator. p. 71.

Maleis, A.L. - Readers' reply to the article by A.P. Kiliachkov "Determining efficient lengths for longwalls."; "Ugol'", 1962, No. 4. p. 73.

Semenov, A.P. - International forum of miners. p. 74.

Novikov, S.A. - The coal industry at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1964. p. 77.

In memory of a great worker for the soviet coal industry Vasilii Mikhailovich Bazhanov. p. 78.

New periodicals. p. 79.

UGOL' UKRAINY [COAL OF THE UKRAINE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, vol. 7, no. 9, Sep. 1963.

Table of contents translated:

Kotkin, A.M. - Expansion of coal preparation operations in the Ukraine. p. 1.

Larchenko, M.B., Skola, P.G., Mikhal'chuk, A.I. - Mechanized longwalls in mines of the Donets Basin central region. p. 8.

Tishkov, P.A. - Mining systems and their efficiency in the Pervomayskiyugol' Trust mines. p. 10.

Slipchenko, L.D., Korenov, V.G. - Specialized management of mine construction in mines. p. 13.

Lipkovich, S.M., Osipov, S.N. - Determination of the optimal load on slopes and size of panels during the working of gassy seams. p. 14.

Tartakovskii, B.N., and others. - Improvement of the technology of mining operations in strip mines. p. 17.

Kushmet, V.G. - Vertical shaft sinking with the use of a multirope hoisting machine. p. 19.

Baratov, E.I., Eremin, I.IA., Malashenko, E.N. - Considering the effect of conveyor haulage on the temperature of ventilating currents. p. 22.

Miletich, A.F. - Air leakage through ventilation doors, air locks, and crossings. p. 24.

Murzin, V.A., TSeitlin, IU.A., IUshin, V.V. - Reduce leakage of compressed air. p. 25.

Tikhonova, N.V. - Study of the extent of bearing pressure with the use of models. p. 26.

Klimenko, N.A. - Electric supply for mining areas in Lvov-Volyn Basin mines. p. 29.

Kovalenko, I.I. - Automatic protection against overloading of electric motors in hoisting machines. p. 30.

Vasilevskii, M.N., and others. - Reducing the static safety coefficient of wire ropes is a large potential for raising the efficiency of hoisting equipment. p. 31.

Volokonskii, V.F. - New principle for the construction of steel wire ropes. p. 36.

Nos, V.S., Boldovskii, N.V. - Diesel locomotives in mines. p. 37.

Bolotskikh, N.S. - Jet pumps for transportating rocks during drifting. p. 38.

Sviatskaia, M.G., Derzhavin, I.N., Afanas'eva, E.IA. - Industrial testing of a MOD-1 jigging diaphragm machine. p. 39.

Bolotin, IA.S. - Coal drying in plants. p. 42.

Churkin, V.K., Kuzetchenko, G.N., Pernakov, N.S. - Removing dust from the air and dust binding in ventilation drifts. p. 44.

Borodin, L.P. - Complex dust suppression in mine No. 4/21 of the Petrovskugol' Trust. p. 45.

Iurgenson, A.G., IUr'ev, V.M. - Provide coal mines with improved portable storage battery lamps. p. 46.

Get'man, N.M., Meniailo, V.P. - Semiautomatic machine for preparing concrete reinforcement ties. p. 47.

Fotiev, M.M. - Voltage and current regulators for charging airtight lamp batteries. p. 48.

Parkhomenko, A.V. - Automatic self-locking drill hose connector for pneumatic hoses. p. 50.

Graukin, I.S., and others. - Readers' response to the article by I.S. Dudko and A.S. Ivanov "New Method of wide face mining at the No. 1 "Kolosnikovskaia Mine." p. 53.

Drukovanyi, M.F., Komir, V.M., Il'in, V.I. - Trends in the improvement of boring and blasting operations during mining. p. 55.

Lisovskii, L.A. - Control of mining machinery with the help of radioactive isotopes. p. 56.

Vol. 7, no. 12, Dec. 1963.

Table of contents translated:

Siniugin, V.M., Serdiuk, A.I., Fuks, I.D. - Working flat seams with high loads in stopes. p. 1.

Zel'vianskii, A.Sh. - Ventilation of stopes during intensive stoping operations. p. 3.

Timofeev, P.A. - Organizing operations in a southern Donets Basin coal deposit. p. 4.

Leonenko, I.A. - Determining the optimal length of a mining area using over-all mechanization. p 5.

Davydovich, I.L., Basinskii, IU.M., Berkovich, N.M. - Selection of basic estimated parameters for the support of major workings in deep mines. p. 8.

Ostrovskii, S.M, Petrenko, E.V. - Increasing the stability of major workings in deep mines of the central region of the Donets Basin. p. 11.

Chumachenko, O.M. - Additional data is needed. p. 13.

Filatov, I.A. - Recommendations made by IU.Z. Zaslavskii are unacceptable. p 14.

Efremov, G.D. - Timbering for major workings in deep mines. p. 15.

Karlin, P.I., Balter, L.E. - Increasing the safety of hydraulic conveying at the Yanovskiy Hydraulic Mine, p. 18.

Leonov, V.A., Kuznetsov, V.M. - Area of efficient use of locomotive and conveyor transportation in haulage drifts. p. 21.

Smoldyrev, A.E. - Increasing the supply of materials and equipment for mine filling in the Donets Basin with the use of hydraulic and pneumatic transportation. p. 24.

IArmoliuk, V.T. - Advantages of auger mining in the Lvov-Volyn Coal Basin. p. 26.

Timofeev, A.P., Kravchik, G.K. - Automatic loading of coal into railroad cars. p. 28.

Kortun, A.L. - Striving for priority. p. 32.

Fokin, V.P. - Modernization is a necessary condition for achieving high technical and economic indices. p. 33.

Storozhenko, I.G., Savchin, M.IU. - For a higher output of coal mining machinery. p. 36.

Vikhtinskii, V.A., Ivanov, N.I., Norenko, N.A - Economic efficiency of complex mechanization and automation of the "Novo-Pavlovskaia" Mine. p. 38.

Kotkin, A.M., Kladiev, P.I., Pogartsev, A.V. - Some problems in the methodology of computing indices of labor productivity in coal preparation. p. 41.

Kachko, IU.IA., Vorob'eva, A I. - Possibilities of the wide use of 24 hour shift brigades in longwall mining with cutter-loaders. p. 45.

Sobolevskii, V.V., Belianin, I.E. - Liberation of gas from a seam during large loads in a stope p. 49.

Dmitrov, B.V. - The PPG pneumatic saw. p 50.

Nedviga, S.N - Heavy hydrocarbons in mine air p. 51

Demidov, P.A., Maiboroda, I.S. - Coal industry in the United States during 1962. p. 52.

Lopukhin, V.T. - Blind shafts in coal mines. p. 53.

Brief news. p. 54

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT BUROVOI TEKHNIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF DRILLING TECHNIQUES. Transactions]. Moscow, no. 7, 1963. [Perfecting the technique of turbine drilling.]

Table of contents translated.

Il'skii, V.L - Experimental investigations of the working characteristics of the turbodrills on a turbobit bench designed by the All-Union Scientific Research Institute for Drilling Technology. p 3.

Varlamov, V P - Monitoring the conditions of turbine drilling p 15

Adamov, A N - Investigating the effectivness of the use of flywheel under a turbodrill p. 25

Romanov, A.Z. - Analyzing resistances during the hoisting of an inserted tool p. 39

Matevosian, TS.M. - Plastic turbines and the area in which they are used. p. 63.

Ganelina, S A., Melik-Gaikazova, N.I. - Durability of the parts of the upper supporting unit of turbodrills. p 87.

Malyshev, D.G - Rolling support in a turbodrill p 110

Liubimov, B G - Kinematic diagrams of the flow-through section for turbodrill turbines. p. 119.

Barshai, G.S. - Effect of the mechanical speed of turbine drilling on the round-trip speed and the cost of 1 m of footage. p. 136.

Ginzburg, I I., Elifov, N.I - Investigating the heating of the power-supply contact of an electric drill p 156

Shukhman, V.L. - Energy-producing characteristics of oil well shooting p 161.

Epshtein, G N - Selecting the parameters for hardening by roller burnishing p. 169.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Nauchno-tekhnicheskii sbornik po dobyche nefti [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Scientific and Technical Papers on Petroleum Production]. Moscow, no. 17, 1962.

Table of contents translated:

Belousova, M.G. - Evaluation of the porosity of carbonate rocks of the gas-condensate fields of the Bashkirian Ural Mountain region. p. 3.

Pilatovskii, V.P. - A probability method for determining petroleum reserves in pools. p. 5.

Kazymov, A.Sh. - Nonsteady flow of elastic fluid to rectilinear galleries in the presence of distributed outlets. p. 12.

Zabrodin, P.I., Rakovskii, N.L., Rozenberg. - Investigation of petroleum displacement by solvents in a model of great length. p. 16.

Fatkullin, A.Kh. - Comparison of certain theoretical solutions of the problem of water-oil contact displacement with experimental data. p. 22.

Ch

K

F

of oil fields. p. [illegible]

Dunaev, V.V. - Lifting fluid with gas in wells equipped with sinking electric pumps. p. 76.

Guzhnovskii, L.P. - Yearly reproduction of producible reserves. p. 83.

[illegible] translated

[illegible] - [illegible] conductivity of [illegible]

[illegible]

[illegible] lateral selection [illegible] parameters of [illegible] p.12.

[illegible] - [illegible] of the peculiarities of [illegible] the [illegible]

[illegible] a straight-line [illegible]

[illegible] - Determination [illegible] reservoir with bottom [illegible]

[illegible] - Effect of edge [illegible] reservoir pressure [illegible] wells. p.23.

[illegible], A. A., Z[illegible], F. IA., [illegible]tskii, [illegible] reservoir parameters [illegible] unsteady flow of gas [illegible]

[illegible], A. P., [illegible], IU. I. - Time required for [illegible] of water-free [illegible] perfect wells in [illegible] bottom water. p.30.

Dan[illegible], V. G. - Displacement of fluids by gas [illegible] strata [illegible]. p.43.

[illegible], I. A. - Effect of the relationship between the [illegible] interlayer variation in permeability [illegible] flooding. p.49.

[illegible], I. P. - Determination of the mean reservoir [illegible] dissolved gas drive. p.53.

[illegible], A. [illegible], [illegible], V. V. - Hydraulic testing of [illegible] determination of reservoir parameters. p.56.

[illegible], V. I. - Determination of the physical parameters of a reservoir in a nonstationary gas cut fluid [illegible]

[illegible], V. I. - Determination of reservoir parameters on the basis of well test data obtained by [illegible]. p.64.

[illegible], V. Z. - [illegible] of mass transfer in the displacement of [illegible] undersaturated petroleum by high-pressure gases. p.71.

[illegible], A. A. - Water encroachment prognosis for fluids in the [illegible] development of a circular [illegible] of the M[illegible] area of the Romashkino oil field. p.77.

Zhel[illegible], P. A. - Use of an electric integrator for the evaluation of the reservoir properties of a reservoir from the production data of the first prospecting wells. p.85.

Zhel[illegible], P. A. - Determination of the mean parameter values of a uniform elastic reservoir using [illegible] models. p.91.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Transactions]. Moscow, no.40, 1963. [Oil field development and reservoir hydrodynamics]

Table of contents translated.

Vezirov, D.Sh., Kovalev, A.G., Kocheshkov, A.A. - Experimental investigation of the process of petroleum recovery from fractured reservoir rocks in dissolved gas drive. p.3.

Za[illegible], F.IA. - Laboratory and field investigations of unsteady gas cut fluid flow. p.15.

Sa[illegible], P.B. - Experimental investigation of the kinetics of the formation and sagging of a gas [illegible] in an oil layer. p.35.

Zabrodin, P.I., Rakovskii, N.L., Rozenberg, M.D. - Motion of mutually soluble fluids of varying viscosities in a linear model of a uniform layer. p.53.

Zabrodin, P.I. - Experimental study of the process of miscible drive from a flooded layer. p.78.

Rakovskii, N.L. - Approximate hydrodynamic calculations of the linear flow of mutually soluble fluids in a uniform porous medium. p.88.

[illegible], F.V., Trebin, G.F., Ostrovskii, IU.M. - Flow of mutually soluble fluids under conditions of plane-radial flow and in current pipes of variable cross section. p.115.

Pilatovskii, V.P. - A system of functional equations for plane fluid flow. p.138.

Kazymov, A.Sh., Pilatovskii, V.P. - Displacement of the oil-water interface to a linear line of wells in an inclined layer. p.157.

Kogan, L.G., Karpov, V.P. - Electric modeling of propane drive with subsequent injection of dry gas for a nine-point system of well spacing. p.167.

Kogan, L.G., Karpov, V.P. - Effect of the nonuniformity of reservoir structure with respect to permeability on the coverage factor and other parameters of development. p.182.

Afanas'eva, A.V. - Certain problems in the development of oil and gas pools. p.192.

Kor[illegible], M.Z. - Possibility of using high-pressure gas drive in the fields of Kuybyshev Province. p.220.

Le[illegible], E.L., Pravednikov, N.K. - Study of errors in the determination of the parameters of the reservoir-permeability law of distribution and the effect of these errors on calculations of flooding. p.231.

Pravednikov, N.K., Rakovskii, N.L., Selunin, A.N. - Possibilities of injecting liquefied gases in different areas of the Romashkino field with a view to increasing petroleum recovery and the level of petroleum production. p.241.

Kogan, L.G., Baishev, B.T., Volodina, V.I. - Effect of the position of nonpermeable reservoir boundaries on the indices of the reservoir development. p.257.

Borisov, IU.P., Riabinina, Z.K. - Calculating reservoir discontinuity in programming the development of a round pool. p.271.

Kochetov, M.N. - Determining the quantity of water which has passed through a layer. p.282.

Annotated bibliography of works of the All-Union Instrument Scientific Research Institute. p.289.

*ZAVODSKAIA LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for Ferrous and nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R., and the State Committee for the Coordination of Research in the U.S.S.R.]. Moscow, vol.30, no.6, 1964.

Table of contents translated

Main objectives in the development of X-ray methods of investigation. p.643.

Savvin, S B, Dedkov, IU.M. - Comparative study of some color reactions of zirconium. p.645.

Babko, A K, Markova, L V., TSybina, T.S. - Luminescent determination of microquantities of sulfur in nonaqueous media. p.648

Biriuk, E A - Photometric determination of antimony impurities in gallium, indium, and thallium. p 651.

Tumanov, A A, Sidorenko, A N., Taradenkova, F S. - Determination of arsenic in silicon, germanium, and gallium arsenide. p 652.

Dedkov, IU M., and others. - Determination of zirconium in cast iron with chlorosulfophenol C as reagent. p 654.

Igolinskii, V.A., Stromberg, A.G. - Maximum sensitivity of the method of amalgam polarography with storage. p 656.

Kaplan, B.IA., Sorokovskaia, I.A., Shiriaeva, O A - Pulse polarographic determination of tellurium traces in metallic Sb, In, Ga, and Bi. p.659.

Usatenko, IU.I., Suprunovich, V.I. - Amperometric determination of iron, copper, and zinc in aluminum alloys by titration with 8-mercaptoquinoline. p 662.

Songina, O A., Ospanov, Kh.K., Rozhdestvenskaia, Z B - Amperometric titration of gold by unithiol solution. p 664.

Rapoport, F M., Nikitina, N.A., Polianskaia, A.N. - Determination of potassium in complex and mixed phosphorus fertilizers p.667.

Ainshtein, S A, Anvaer, B.I, Turkel'taub, N.M. - Use of gas-liquid chromatography for separating some inorganic gases. p.669.

Aksenenko, V.M., Fedotova, L.G. - Acetone method of determining acids in hydrazine salts p.671.

Bogdanchenko, A.G., Riasnaia, A.I. - Bromine-helianthine method for determining manganese in steel. p.672.

Turchinskii, M L, Naiman, L Z. - Analysis of aluminum-manganesium alloys using arsenatometry. p.673

Neudakhina, A.I., Kot, M.K., Verteshev, M.S. - Quantitative determination of cation and anion exchangers in their mixtures. p.674.

Karolev, A.N., Karanov, R.A. - Complexometric determination of calcium in a lead-calcium alloy. p.674.

Abramov, V N, Fisak, V.I. - Analysis of the combustion products of a methane-air mixture by gas chromatography. p.675.

Safin, I.A., Pavlov, B.N., Shtern, D.IA. - Steady-state and pulse methods of studying the nuclear quadrupole resonance. p 676.

Glotova, A.N, Losev, N.F, Gunicheva, T.N. - Sources of errors in X-ray spectrum analysis with the dilution of samples. p.685.

Rekhkolainen, G.I. - Determination of niobium and tantalum in solutions based on the absorption of scattered X rays. p.689.

Verkhovodov, P A., Gorbatenko, L.S. - Use of scattered radiation in the X-ray spectrum analysis of molybdenum. p.691

Burmistrov, M P., Nedler, V.V., Poliakova, S.P. - Certain means used for increasing the sensitivity of spectrum analysis during photographic recording of the spectrum. p.694.

Muzgin, V.N., and others. - Spectral analysis of vanadium by the vaporization method p.697.

Pavlenko, L.I., Popov, V.S. - Spectral determination of tin, lead, and boron in silicate rocks and minerals. p.699

Vovk, V.N., Grikit, I.A. - Analysis of bronzes with the FES-1 device. p 702.

Sukhnevich, V.S - Increase in the efficiency of the burning of samples in a powerful arc of a.c. in carrying out semiquantitative analysis. p.704.

Kovalev, I.A. - Spectral method of determining silicon traces in cesium iodide p.705.

Shevchenko, I.N. - Analysis of low- and medium-alloyed steels with the ST-7 spectrophotometer. p.705.

Vovk, V N. - Microspectral analysis of the EI533 alloy. p.705.

Khrapov, A IA., Bedarev, V.I., Daturin, V.G. - Spectral determination of magnesium in cast irons. p.706.

Aleksandrov, V.G., Ternovskaia, M.I., Blagodyr', R.N. - Spectral determination of aluminum and silicon in a culture medium using the filter paper method. p.708.

Ivanov, N P., Kozyreva, N.A. - Atomic-absorption determination of copper in chemical reagents p.706.

Golovchiner, IA.M. - Precision measurement of the lattice spacing under conditions of broadened interference lines p.707.

Gladkikh, L I., Kuz'menko, O.G., Fokin, M.IA. - Comparing the results of investigation of powder specimens by the method of approximation and harmonic analysis. p.712.

Vorob'ev, G M - Determination of pole figures by means of a Geiger counter. p.716

Melikhov, V.D., Kliuchnikov, IU.F., Presniakov, A.A. - Use of Cu K_β-radiation for the study of ordering in Cu-Zn alloys. p.719.

Zakharova, M.I, Khatanova, N.A - Study of the substructure of single crystals by the method of X-ray focusing. p.721.

Levinskii, IU.V. - Quantitative X-ray analysis of titanium, zirconium, and hafnium carbonitrides. p.726.

Fedorova, N.N., and others. - X-ray diffraction phase analysis of mixtures of PbO_2 modifications. p.727.

Goncharov, V.V., Shmitt-Fogelevich, S.P., [illegible]dacheva, M.E - Combined method for the determination of the phase composition of high-alumina refractories. p.729.

Landa, V.A., Kantor, M.M., Fialkov, V.A. - X-ray diffraction control of the quality of surface grinding and sharpening of a tool made of high-speed steel. p.731.

Vagapov, R.D. - Method of evaluating the fatigue strength during separation of the process of cyclic stress into two stages. p.733.

Bystrov, IU.G. - Determination of the impact energy in a durability test. p.739.

Molchanov, L.N. - Effect of overstressing and heating produced by it on the deflection of the specimen during testing under conditions of bend with rotation. p.741.

Usov, A.M., Larin, T.V. - Method of detecting the effect of local defects in steel on its mechanical properties. p.743.

Glushko, V.T., Prokopenko, S.P. - Testing nonmetallic materials for stress-rupture strength and creep under uniaxial compression. p.744.

Khishchenko, IU.M. - Effect of shear on Young's modulus of glass textolite specimens in transverse bend. p.747.

Bykov, V.A., Vsevolodov, G.N., Kazimirskaia, Z.L. - Determination of the brittle strength of steel in the series of bend and tensile tests. p.749.

Ryzhov, N M, Kotov, A.N., Rakhshtadt, A.G. - Resonance apparatus for fatigue testing of sheet materials at various temperatures. p.751.

Balakhontsev, IA.I. - Device for the microscopic study of fatigue strength. p.752.

Kraev, A.S. - Machine for testing metals for rolling wear resistance in the presence of a transverse slip motion. p.753.

Bokov, I.I., and others. - Wear testing machine for wire. p.755.

Rudanovskii, S.N. - Machine and a rapid method for determining the wear resistance of free-flowing materials. p.756.

Loksha, B.K., Vershinina, V.V. - Electric viscosimeter with a noncontacting a.c. motor. p.757.

Kalenichenko, IA.I., Kiseleva, M.S., Neporent, B.S. - Optical infrared hygrometer. p.758.

Baskov, V.S., Palladin, M.N. - Vibration-free sampler. p.761.

TSvetkov, V.P., Kalosha, V.K - Apparatus for determining the quantity of iron in agglomeration charges by the X-ray spectral fluorescent method p. 762.
Riabov, A.V., Emel'ianov, D.N. - Apparatus for studying the physicomechanical properties of polymerizing masses. p. 762
Khashafian, A.IA. - New industrial spectrographs p. 764.
Scientific conferences in 1964. p 766.
Zaidel', A.N - O.P Bochkova and E IA Shreider's "Spectral analysis of gaseous mixtures" p. 767.
Kudriavtsev, I V. - V.S Ivanova's "Fatigue failure of metals." p 768.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 4, no. 7, Apr. 1964.

Table of contents translated·
Editorial: Our banner and weapons. p. 3.
Great revolutionary force of the present. p. 9.
Mutovkin, N. - Teacher, tutor and friend. p. 18.
Grishanov, V. - Organization work decides the success of a thing. p. 24.
Pokryshkin, A. - Vast technical knowledge for every pilot. p. 32.
Lenin's norms of party life. p. 38.
Rybkin, E. - Laws of materialistic dialectics and their manifestation in military affairs. p. 45.
Daibov, A. - Training Communists in practical work. p. 52.
Gusev, A. - Source of instruction to soldiers. p. 58.
Nikitin, N. - Effective propaganda of advanced experience. p. 61.
Force of example. p. 62.
In the Lenin way, businesslike:
Decisions come true. p. 67.
Amelichkin, M. - Responsibility is individual. p. 70.
Sidorov, A. - Elbow of a friend. p. 72.
Sablukov, A. - National liberation movement of people against colonialism. p. 73.
Gold star of a hero. p. 82.
Khromov, S. - Exploit of the liberators of Odessa. p. 84.
Sheltakin, F. - What is the general crisis of capitalism? p. 86.
Bushin, V. - Optimism found and tested in combat. p. 89.
New periodical of the Bulgarian People's Army. p. 93.
News of party and political work. p. 94.
Follow-up of our articles. p. 96.

NASHI VESTI [OUR NEWS]. Published by Soiuz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 20, nos. 217, 219, July, Sep. 1964.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 9(1005), May 1964.

Table of contents translated:
Sviridov, Georgii. - The Red Banner. p. 1.
German, V. - Two in the deckhouse. p. 2.
Chuikov, V.I. - End of the Third Reich. p. 4.
Greetings to the periodical "Sovetskii voin." p. 7.
Subbotin, Vasilii. - On the steps of the Reichstag. p. 8.
Sergievich, Dm. - A sure reference point. p. 13.
Efremova, L. - Guards poet. p. 13.
Gromov, Mikhail. - Genuine heroes. p. 13.
Terekhov, V. - Petlun'chik. p. 14.
Pastron, G. - Friends of a soldier's newspaper. p. 17.
Isbakh, Aleksandr. - South of Lake Il'men'. p. 18.
IAtsunenko, Ivan. - With the banner on Sapun-gora. p. 20.
Koz'min, N. - Named for heroes. p. 21.
Savichev, G. - A large plane. p. 22.
Maksimov, Mark. - Ballad of an overcoat. p. 24.
Shapkin, S. - A soldier goes toward his aim.... p. 25.
Kambulov, Nikolai. - Sun on the road! p. 26.
Surkov, Aleksei. - Combat comrade. p. 32.
Shashkina, O., Krukhmalev, S. - Desired guests. p. 33.
Babushkin, P. - Man to a man.... p. 34.
Flourishing Azerbaijan. p. 35.
Szymanowski, Ja. - "Limas" over the Vistula. p. 36.
Koval'-Volkov, A. - The border. p. 37.
Terterov, M. - The Pentagon reaps a storm. p. 41.
Skorokhodov, Mikhail. - Fellow from the "Hammer and Sickle." p. 42.
Pozhidaev, I. - Beacons in training, leaders in sports! p. 44.
At our editorial office. p. 46.
Akishin, A. - The film journal strides through the country. p. 46.
It is interesting to know. p. 47.
Chess. p. 48.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 3, Dec. 1960, nos. 10(25)-12(27), Oct.-Dec. 1962; nos. 1(28)-4(31), 6(33)-9(36), Jan-Apr., June-Sep. 1963; no. 8(48), Aug. 1964.

No. 7(47), July 1964.
Table of contents translated·
Sea winds. p. 1.
Belous, N. - Commander of a launcher. p. 2.
Ternovskii, G. - Rockets on boats. p. 4.
Starykh, A. - Into a typhoon. p. 4.
Milanov, V. - And again on a cruise. p. 6.
Vasil'ev, I. - An unforgettable meeting a long time ago. p. 7.
Petrov, A. - For the sake of saving fuel. p. 8.
Zhukov, N. - No, it didn't turn out! p. 9.
Potekhin, V. - Crossing under fire. p. 10.
Smirnov, P. - Stand level with heroes. p. 12.
IAnchuk, M. - Readiness first of all. p. 12.
IAkovishin, L. - At a model depot. p. 13.
Ivanov, V. - The first kilometers. p. 14.
IArygin, M. - He is in his place. p. 15.
Karpov, V. - "UZe." p. 16.
Semianovskii, F. - When the "enemy" defends a river. p. 18.
Shasha, N. - A low flying target in the air. p. 22.
Shanev, G. - Without the assistance of topographers. p. 23.
On the course of the North Crimean Canal. p. 24.
Kuznetsov, B. - The reader and reciter. p. 26.
Berezenko, S. - The mail came. p. 28.
Khokhlov, V. - Vengeance of the tsar's satraps. p. 28.
Zudov, N. - Fence of cannons. p. 28.
Podkolzin, A., Baidakov, A. - Lines from letters. p. 29.
Zhuravskii, A. - Permanent frontline soldier. p. 29.
Novikov, M. - On Algerian soil. p. 30.
Zel'din, P., and others. - A word to innovators. p. 32.
Aseev, I. - Friendship. p. 34.
Bruna, Otakar. - Before the shutter of the camera clicked. p. 35.
Rogov, A. - A book was published. p. 35.
Soliatte, IU. - A wounded song. p. 36.
Chernous'ko, L. - Booklovers. p. 37.
Korol'kov, A. - The prizewiner, a sergeant of the "Honvéd." p. 38.
Tikhonov, V. - Protection from nuclear weapons. p. 39.
Sorokin, Vladimir. - Near Rybachiy. p. 40.

TEKHNIKA I VOORUZHENIE [TECHNOLOGY AND ARMAMENTS]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 3, Mar. 1964.

Table of contents translated·
Editorial: Know and protect combat matériel well. p. 2.
Antipov, A. - Leninist control in action. p. 4
Potseluev, A., Gordeev, A. - Stabilizing the motion of rockets. p. 6.
Pavlov, O. - From the generator toward the antenna. p. 17.
Sandler, S. - Linear circuits p 17.
Drozdov, E. - It is not obligatory to count by tens p. 20.
Rastegaev, L, Nikiforov, P - Torsional suspension of an automobile. p. 25.
Experience, initiative. pp. 27, 58, 82.
S.V. Il'iushin. p. 28.
Prokof'ev, A, Supriaga, N - Classification of teaching machines. p 30.
Rubtsov, E. - A group teaching machine. p. 32.
Shur, I. - A "bullet" in the target. p. 32
Zhuravlev, V. - Simulation of mine fields p. 35.
Belianchev, N. - The main thing in the preparation of armored equipment for summer. p. 38.
Shirinskii, A. - An automobile in summer. p. 41.
For traffic safety. p. 45.
Vinogradov, IU. - At a high temperature p. 48.
Sergeev, IU. - Humidity and radar p. 50.
Lialiuk, N - In rainy and dry weather. p. 50.
Ermakov, V. - Rates of crossing can be increased. p. 52
Dem'ianov, V. - Summer navigation is ahead. p. 54.
Kuleshov, V. - Seasonal service. p. 56.
Grigor'ev, V. - Reserves of gasoline saving. p. 59.
P'iankov, A. - Attention to parachute devices. p. 60.
Kostrina, L. - Arc welding of aluminum. p. 61.
Bogoliubov, B., Malygin, A. - The high-speed trenching machine is becoming more reliable. p. 63.
Gazin, D, Kozlova, V - One can compute faster. p. 65.
New road signs. p 66.
Gadel'shin, Kh. - Glue, an insulator p 68
Chuiskii, V, Budnikov, A - Service logs and storage batteries p 70
Koton, M - Invasion of polymers p 72
Nechaev, P - Duty, official and public p. 76.
Bolotov, V. - The search of new things is accessible to everyone p 78
Rakhmanov, N - Solve the main problems p. 79
Get acquainted Invention! p. 80
Unit engineers on maintenance p 84
Ludwig, Szulc - We are perfecting a supply system. p 85
Solov'ev, V - Ship atomic power plants. p 88.
A portable navigation instrument. p 92.
Along the pages of foreign periodicals. p 93
Kargu, L. - Inertial systems of navigation p 94.
Books for automobile drivers p 94

VESTNIK PERVOPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, vol. 3, no. 36, Sep. 1964.

VOENNYE ZNANIIA [MILITARY KNOWLEDGE]. Organ of Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 40, no 7, July 1964

Table of contents translated.
Editorial: Ivanov, V. - Navy of the Soviet state. p 1
Improve the propaganda of military technical knowledge. p. 3.
Fifth All-Russian Convention. p. 4.
Petrov, I. - Glorious victory of our troops. p. 6.
Nikolaev, B. - On the road of their father. p. 7.
Ishmaev, N. - The commander encourages. p. 8.
Semenov, A. - Under the flag of the motherland. p. 10.
Proshin, P. - Every rocket is a target hit. p. 11.
Suvorov, V. - They will become officers. p. 12.
Lesnevskii, S. - Brothers forever. p. 14.
Miasnenko, A. - Medical service. p. 16.
Dozorin, P. - With the pass of a province committee. p. 17.
Exercises are in progress. p. 18.
Alekseev, E. - With the efforts of activists. p. 19.
Timofeev, V. - Tactical and drill exercise. p. 20.
Kulzhinskii, I. - Decontamination at a plant. p. 22.
Chukov, S., Zakharov, V. - Operations in a nuclear stricken area. p. 23.
Kuz'minov, V. - A hospital evacuates. p. 25
Gogolev, M. - Competitions of medical detachments. p. 26.
Novitskii, E. - The progress could have been more significant. p. 27.
Sokol'skii, I. - Thought out, well organized. p. 27.
Shuvalov, V. - Our movie lecturing bureau. p. 27.
Tep'ev, A. - Dosimetric devices. p. 28.
Sergeev, A - Strengthen the material base of society. p. 30.
Tomilin, G. - The district committee and primary organizations. p. 31.
Belokon', A. - Before military service. p. 32.
Khakimov, F. - Clubs of revolutionary glory. p. 33.
Klimenko, N. - Serve excellently, soldier! p. 34.
Nadin, V. - Lasers. p. 35.
Maksimenko, V. - A shot by globe lightning. p. 37.
Chulitskii, V. - Every bullet in the bull's eye. p. 38.
Vasil'ev, L. - The club and the Spartakiada. p. 39.
Ermakov, I. - A training model of a pistol. p 40.
Winners of club contests. p. 40.
Starostin, P. - A good name. p. 41.
Levin, A. - Key to high speeds. p. 42.
Pozhilova, V. - Honored trainer. p. 44.
Nesterov, A. - Pathfinders. p. 45.
Bulatov, A. - People of courage. p. 47.
Kharibian, S. - Exploit of a battery. p. 47.
Sorokin, Z. - Years of severe trials. p. 47.
Military calendar. p. 48.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 43, no. 4, Apr. 1964.

Table of contents translated:
Editorial: According to Lenin's legacy. p. 3.
Kiselev. - Methodical training of officers. p. 9.
Pashkovskii. - Training rocket fire control. p. 12.
Chizhov. - In the interests of combat readiness. p. 13.
Ocheret'ko. - Road to mastery. p. 16.
Egorov. - Learn and teach. p. 18.
Simonian, R. - Foresight in combat. p. 22.
Sviriaev, I. - Motorized rifle platoon in a hasty attack. p. 26.
Gal'tsev, A. - In march security. p. 31.

[illegible] 3,

[illegible] translated

[illegible], N.N. - Using hydrogen [illegible] surface conductivity of capil- [illegible]

[illegible] - Delineation of productive [illegible] the [illegible]-Carpathian region.

[illegible] areas of interval selection [illegible] various parameters of [illegible]. p.12.

[illegible] - [illegible] of the peculiarities of [illegible] on the uniform [illegible] flow. p.17.

[illegible], I. [illegible] - [illegible] of water inrush to a straight-line [illegible]. p.2[illegible].

[illegible], A.[illegible], [illegible], P.D - Determination [illegible] of a reservoir with bottom [illegible]. p.23.

[illegible], I.D. - Influence of edge [illegible] the reservoir on pressure [illegible] wells. p. 29.

[illegible], A.A., Zaz[illegible], F.IA., Kamenetskii, [illegible] - Determination of reservoir parameters from [illegible] data on the nonstationary flow of gas [illegible]. p. 34.

[illegible], A P., [illegible], IU. I. - Time required for [illegible] of water-free imperfect wells in [illegible] with bottom water. p. 39.

[illegible], V G. - Displacement of fluids by gas [illegible] stratified porous media. p. 43.

[illegible], I. A. - Effect of the relationship between the [illegible] of interlayers varying in permeability [illegible] water flooding. p. 48.

[illegible], I.D. - Determination of the mean reservoir [illegible] in an oil pool in dissolved gas drive. p. 53.

[illegible], A.[illegible], Isaichev, V.V. - Hydraulic testing of wells and the determination of reservoir parameters. p. 56.

[illegible], E.B. - Determination of the physical parameters of a reservoir in a nonstationary gas cut fluid flow. p. 6[illegible].

[illegible], E. B - Determination of reservoir parameters on the basis of well test data obtained by [illegible]. p. 64.

K[illegible], M. Z - Phenomenon of mass transfer in the displacement of nonsaturated petroleum by high-pressure gases. p. 71.

Smirnova, A. A. - Water encroachment prognosis for fluids in the intensified development of a circular section of the Minnibayevo area of the Romashkino oil field. p. 77.

Zheleznov, P.A. - Use of an electric integrator for the evaluation of the reservoir properties of a reservoir from the production data of the first prospecting wells. p. 85.

Zheleznov, P.A. - Determination of the mean parameter values of a uniform elastic reservoir using electric models. p. 91.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Transactions]. Moscow, no. 40, 1963. [Oil field development and reservoir hydrodynamics]

Table of contents translated.

Vezirov, D.Sh., Kovalev, A.G., Kocheshkov, A.A. - Experimental investigation of the process of petroleum recovery from fractured reservoir rocks in dissolved gas drive. p. 3.

Zaz[illegible]skii, F.IA. - Laboratory and field investigations of nonstead, gas cut fluid flow. p. 15.

Sad[illegible]kov, P.D. - Experimental investigation of the kinetics of the formation and sagging of a gas cone in an oil layer. p. 35.

Zabrodin, P.I., Rakovskii, N.L., Rozenberg, M.D. - Motion of mutually soluble fluids of varying viscosities in a linear model of a uniform layer. p. 53.

Zabrodin, P.I. - Experimental study of the process of miscible drive from a flooded layer. p. 78.

Rakovskii, N.L. - Approximate hydrodynamic calculations of the linear flow of mutually soluble fluids in a uniform porous medium. p. 88.

Tesliuk, E.V., Trebin, G.F., Ostrovskii, IU.M. - Flow of mutually soluble fluids under conditions of plane-radial flow and in current pipes of variable cross section. p. 115.

Pilatovskii, V.P. - A system of functional equations for plane fluid flow. p. 138.

Kazymov, A.Sh., Pilatovskii, V.P. - Displacement of the oil-water interface to a linear line of wells in an inclined layer. p. 157.

Kogan, L.G., Karpov, V.P. - Electric modeling of propane drive with subsequent injection of dry gas for a nine-point system of well spacing. p. 167.

Kogan, L.G., Karpov, V.P. - Effect of the nonuniformity of reservoir structure with respect to permeability on the conference factor and other parameters of development. p. 182.

Afanas'eva, A.V. - Certain problems in the development of oil and gas pools. p. 192.

Kornaev, M.Z. - Possibility of using high-pressure gas drive in the fields of Kuybyshev Province. p. 220.

Leibin, E.L., Pravednikov, N.K. - Study of errors in the determination of the parameters of the reservoir-permeability law of distribution and the effect of these errors on calculations of flooding. p. 231.

Pravednikov, N.K., Rakovskii, N.L., Seliunin, A.N. - Possibilities of injecting liquefied gases in different areas of the Romashkino field with a view to increasing petroleum recovery and the level of petroleum production. p. 241.

Kogan, L.G., Baishev, B.T., Volodina, V.I. - Effect of the position of nonpermeable reservoir boundaries on the indices of the reservoir development. p. 257.

Borisov, IU.P., Riabinina, Z.K. - Calculating reservoir discontinuity in programming the development of a round pool. p. 271.

Kochetov, M.N. - Determining the quantity of water which has passed through a layer. p. 282.

Annotated bibliography of works of the All-Union Instrument Scientific Research Institute. p. 289.

*ZAVODSKAIA LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet po korrdinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for Ferrous and nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R., and the State Committee for the Coordination of Research in the U.S.S.R.]. Moscow, vol. 30, no. 6, 1964.

Table of contents translated:

Main objectives in the development of X-ray methods of investigation. p. 643.

Savvin, S B, Dedkov, IU.M - Comparative study of some color reactions of zirconium. p 645

Babko, A K., Markova, L V., TSybina, T.S. - Luminescent determination of microquantities of sulfur in nonaqueous media p 648.

Biriuk, E A - Photometric determination of antimony impurities in gallium, indium, and thallium. p. 651.

Tumanov, A A., Sidorenko, A.N, Taradenkova, F.S. - Determination of arsenic in silicon, germanium, and gallium arsenide. p. 652.

Dedkov, IU.M., and others. - Determination of zirconium in cast iron with chlorosulfophenol C as reagent. p 654

Igolinskii, V A, Stromberg, A.G. - Maximum sensitivity of the method of amalgam polarography with storage. p. 656.

Kaplan, B IA, Sorokovskaia, I A., Shiriaeva, O A. - Pulse polarographic determination of tellurium traces in metallic Sb, In, Ga, and Bi. p 659.

Usatenko, IU I., Suprunovich, V.I. - Amperometric determination of iron, copper, and zinc in aluminum alloys by titration with 8-mercaptoquinoline. p. 662.

Songina, O A., Ospanov, Kh.K., Rozhdestvenskaia, Z.B. - Amperometric titration of gold by unithiol solution. p 664.

Rapoport, F.M., Nikitina, N.A., Polianskaia, A.N. - Determination of potassium in complex and mixed phosphorus fertilizers p. 667.

Ainshtein, S A., Anvaer, B.I., Turkel'taub, N.M - Use of gas-liquid chromatography for separating some inorganic gases. p. 669.

Aksenenko, V.M., Fedotova, L G. - Acetone method of determining acids in hydrazine salts. p. 671.

Bogdanchenko, A.G., Riasnaia, A.I. - Bromine-helianthine method for determining manganese in steel. p 672.

Turchinskii, M.L., Naiman, L Z. - Analysis of aluminum-manganesium alloys using arsenatometry. p. 673.

Neudakhina, A.I., Kol, M.K., Verteshev, M.S. - Quantitative determination of cation and anion exchangers in their mixtures. p. 674.

Karolev, A N., Karanov, R.A. - Complexometric determination of calcium in a lead-calcium alloy. p. 674

Abramov, V N, Fisak, V.I. - Analysis of the combustion products of a methane-air mixture by gas chromatography. p. 675.

Safin, I A., Pavlov, B.N., Shtern, D.IA. - Steady-state and pulse methods of studying the nuclear quadrupole resonance. p. 676.

Glotova, A.N., Losev, N.F, Gunicheva, T.N. - Sources of errors in X-ray spectrum analysis with the dilution of samples. p 685.

Rekhkolainen, G.I. - Determination of niobium and tantalum in solutions based on the absorption of scattered X rays. p. 689.

Verkhovodov, P.A., Gorbatenko, L.S. - Use of scattered radiation in the X-ray spectrum analysis of molybdenum. p. 691.

Burmistrov, M.P., Nedler, V.V, Poliakova, S P - Certain means used for increasing the sensitivity of spectrum analysis during photographic recording of the spectrum. p 694

Muzgin, V N, and others. - Spectral analysis of vanadium by the vaporization method. p 697.

Pavlenko, L I, Popov, V.S. - Spectral determination of tin, lead, and boron in silicate rocks and minerals. p. 699.

Vovk, V N., Grikit, I.A. - Analysis of bronzes with the FTS-1 device p 702

Sukhnevich, V S - Increase in the efficiency of the burning of samples in a powerful arc of a.c in carrying out semiquantitative analysis p 704

Kovalev, I.A. - Spectral method of determining silicon traces in cesium iodide. p. 705.

Shevchenko, I.N. - Analysis of low- and medium alloyed steels with the ST-7 spectrophotometer p. 705

Vovk, V.N. - Microspectral analysis of the [illegible] alloy. p. 705.

Khrapov, A.IA., Bedarev, V.I, [illegible], V [illegible] Spectral determination of magnesium in cast iron p. 706.

Aleksandrov, V.G., Ternovskaia, M.I., Blagod[illegible], R N. - Spectral determination of aluminum and silicon in a culture medium using the filter paper method. p. 706.

Ivanov, N.P., Kozyreva, N.A. - Atomic absorption determination of copper in chemical reagents p. 706

Golovchiner, IA.M. - Precision measurement of the lattice spacing under conditions of broadened interference lines p. 707.

Gladkikh, L.I., Kuz'menko, O.G., Fuks, M.IA Comparing the results of investigation of powder specimens by the method of approximation and harmonic analysis. p. 712.

Vorob'ev, G.M - Determination of pole figures by means of a Geiger counter. p. 716

Melikhov, V.D., Kliuchnikov, IU.F., Presniakov, A A. - Use of Cu K_β-radiation for the study of ordering in Cu-Zn alloys. p. 719.

Zakharova, M.I., Khatanova, N.A. - Study of the substructure of single crystals by the method of X-ray focusing. p. 721.

Levinskii, IU.V. - Quantitative X-ray analysis of titanium, zirconium, and hafnium carbonitrides. p. 725.

Fedorova, N.N, and others. - X-ray diffraction phase analysis of mixtures of PbO_2 modifications. p. 727.

Goncharov, V.V., Shmitt-Fogelevich, S.P., [illegible]dachova, M.E. - Combined method for the determination of the phase composition of high-alumina refractories. p. 729.

Landa, V.A., Kantor, M M., Raikov, V.A. - X ray diffraction control of the quality of surface grinding and sharpening of a tool made of high-speed steel. p. 731.

Vagapov, R.D. - Method of evaluating the fatigue strength during separation of the process of cyclic stress into two stages. p. 733.

Bystrov, IU.G. - Determination of the impact [illegible] in a durability test. p. 736.

Molchanov, L.N. - Effect of overstressing and heating produced by it on the deflection of the specimen during testing under conditions of bend with rotation. p. 741.

Usov, A.M., Larin, T.V. - Method of detecting the effect of local defects in steel on its mechanical properties. p. 743.

Glushko, V.T., Prokopenko, S.P. - Testing nonmetallic materials for stress-rupture strength and creep under uniaxial compression. p 744.

Khishchenko, IU.M. - Effect of shear on Young's modulus of glass textolite specimens in transverse bend. p. 747.

Bykov, V.A, Vsevolodov, G.N., Kazimirskaia, Z.L - Determination of the brittle strength of steel in the series of bend and tensile tests. p. 749.

Ryzhov, N.M., Kolov, A.N, Rakhshtadt, A.G - Resonance apparatus for fatigue testing of sheet materials at various temperatures. p. 751.

Balakhontsev, IA.I. - Device for the microscopic study of fatigue strength. p. 752.

Kraev, A.S. - Machine for testing metals for rolling wear resistance in the presence of a transverse slip motion. p. 753.

Bokov, I.I., and others. - Wear testing machine for wire. p. 755.

Rudanovskii, S.N - Machine and a rapid method for determining the wear resistance of free-flowing materials. p. 756.

Loksha, B.K., Vershinina, V.V. - Electric viscosimeter with a noncontacting a.c motor. p. 757.

Kalenichenko, IA.I., Kiseleva, M.S., Neporent, B.S. - Optical infrared hygrometer. p. 759.

Baskov, V.S., Palladin, M.N. - Vibration-free sampler. p. 761.

TSvetkov, V.P., Kalosha, V.K. - Apparatus for determining the quantity of iron in agglomeration charges by the X-ray spectral fluorescent method p.762.
Flabov, A.V., Emel'ianov, D.N. - Apparatus for studying the physicomechanical properties of polymerizing masses. p.762.
Khashatian, A.IA. - New industrial spectrographs p.764.
Scientific conferences in 1964 p 766
Zaidel', A.N. - O.P Bochkova and E IA Shreider's "Spectral analysis of gaseous mixtures " p 767
Kudriavtsev, I.V. - V.S.Ivanova's "Fatigue failure of metals " p 768.

17. MILITARY & NAVAL SCIENCES

a MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 4, no. 7, Apr. 1964.

Table of contents translated·
Editorial· Our banner and weapons. p. 3.
Great revolutionary force of the present. p. 9.
Mutovkin, N. - Teacher, tutor and friend. p. 18.
Grishanov, V. - Organization work decides the success of a thing. p. 24.
Pokryshkin, A. - Vast technical knowledge for every pilot. p. 32.
Lenin's norms of party life. p. 38.
Rybkin, E. - Laws of materialistic dialectics and their manifestation in military affairs. p. 45.
Daibov, A. - Training Communists in practical work. p. 52.
Gusev, A. - Source of instruction to soldiers. p. 58.
Nikitin, N. - Effective propaganda of advanced experience. p. 61.
Force of example. p. 62.
In the Lenin way, businesslike:
  Decisions come true. p. 67.
  Amelichkin, M. - Responsibility is individual. p. 70.
  Sidorov, A. - Elbow of a friend. p. 72.
Sablukov, A. - National liberation movement of people against colonialism. p. 73.
Gold star of a hero. p. 82.
Khromov, S. - Exploit of the liberators of Odessa. p. 84.
Sheliakin, F. - What is the general crisis of capitalism? p. 86.
Bushin, V. - Optimism found and tested in combat. p. 89.
New periodical of the Bulgarian People's Army. p. 93.
News of party and political work. p. 94.
Follow-up of our articles. p. 96.

NASHI VESTI [OUR NEWS]. Published by Soiuz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 20, nos. 217, 219, July, Sep. 1964.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 9(1005), May 1964.

Table of contents translated:
Sviridov, Georgii. - The Red Banner. p. 1.
German, V. - Two in the deckhouse. p. 2.
Chuikov, V.I. - End of the Third Reich. p. 4.
Greetings to the periodical "Sovetskii voin." p. 7.
Subbotin, Vasilii. - On the steps of the Reichstag. p. 8.
Sergievich, Dm. - A sure reference point. p. 13.
Efremova, L. - Guards poet. p. 13.
Gromov, Mikhail. - Genuine heroes. p. 13.
Terekhov, V. - Petlun'chik. p. 14.
Pastron, G. - Friends of a soldier's newspaper. p. 17.
Isbakh, Aleksandr. - South of Lake Il'men'. p. 18.
IAtsunenko, Ivan. - With the banner on Sapun-gora. p. 20.
Kuz'min, N. - Named for heroes. p. 21.
Savichev, G. - A large plane. p. 22.
Maksimov, Mark. - Ballad of an overcoat. p. 24.
Shapkin, S. - A soldier goes toward his aim.... p. 25.
Kambulov, Nikolai. - Sun on the road! p. 26.
Surkov, Aleksei. - Combat comrade. p. 32.
Shashkina, O., Krukhmalev, S. - Desired guests. p. 33.
Babushkin, P. - Man to a man.... p. 34.
Flourishing Azerbaijan. p. 35.
Szymanowski, Ja. - "Limas" over the Vistula. p. 36.
Koval'-Volkov, A. - The border. p. 37.
Terterov, M. - The Pentagon reaps a storm. p. 41.
Skorokhodov, Mikhail. - Fellow from the "Hammer and Sickle." p. 42.
Pozhidaev, I. - Beacons in training, leaders in sports! p. 44.
At our editorial office. p. 46.
Akishin, A. - The film journal strides through the country. p. 46.
It is interesting to know. p. 47.
Chess. p. 48.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 3, Dec. 1960, nos. 10(25)-12(27), Oct.-Dec. 1962, nos. 1(28)-4(31), 6(33)-9(36), Jan-Apr., June-Sep. 1963; no. 8(48), Aug. 1964.

No. 7(47), July 1964.
Table of contents translated:
Sea winds. p. 1.
Belous, N. - Commander of a launcher. p. 2.
Ternovskii, G. - Rockets on boats. p. 4.
Starykh, A. - Into a typhoon. p. 4.
Milanov, V. - And again on a cruise. p. 6.
Vasil'ev, I. - An unforgettable meeting a long time ago. p. 7.
Petrov, A. - For the sake of saving fuel. p. 8.
Zhukov, N. - No, it didn't turn out! p. 9.
Potekhin, V. - Crossing under fire. p. 10.
Smirnov, P. - Stand level with heroes. p. 12.
IAnchuk, M. - Readiness first of all. p. 12.
IAkovishin, L. - At a model depot. p. 13.
Ivanov, V. - The first kilometers. p. 14.
IArygin, M. - He is in his place. p. 15.
Karpov, V. - "UZe." p. 16.
Semianovskii, F. - When the "enemy" defends a river. p. 18.
Shasha, N. - A low flying target in the air. p. 22.
Shanev, G. - Without the assistance of topographers. p. 23.
On the course of the North Crimean Canal. p. 24.
Kuznetsov, B. - The reader and reciter. p. 26.
Berezenko, S. - The mail came. p. 28.
Khokhlov, V. - Vengeance of the tsar's satraps. p. 28.
Zudov, N. - Fence of cannons. p. 28.
Podkolzin, A., Baidakov, A. - Lines from letters. p. 29.
Zhuravskii, A. - Permanent frontline soldier. p. 29.
Novikov, M. - On Algerian soil. p. 30.
Zel'din, P., and others. - A word to innovators. p. 32.
Aseev, I. - Friendship. p. 34.
Bruna, Otakar. - Before the shutter of the camera clicked. p. 35.
Rogov, A. - A book was published. p. 35.
Soliaite, IU. - A wounded song. p. 36.
Chernous'ko, L. - Booklovers. p. 37.
Korol'kov, A. - The prizewinner, a sergeant of the "Honvéd." p. 38.
Tikhonov, V. - Protection from nuclear weapons. p. 39.
Sorokin, Vladimir. - Near Rybachiy. p. 40.

TEKHNIKA I VOORUZHENIE [TECHNOLOGY AND ARMAMENTS]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 3, Mar. 1964.

Table of contents translated:
Editorial: Know and protect combat matériel well p. 2.
Antipov, A. - Leninist control in action. p. 4.
Potseluev, A., Gordeev, A. - Stabilizing the motion of rockets. p. 6.
Pavlov, O - From the generator toward the antenna. p. 17.
Sandler, S. - Linear circuits p 17.
Drozdov, E. - It is not obligatory to count by tens p. 20.
Rastegaev, L., Nikiforov, P. - Torsional suspension of an automobile. p. 25.
Experience, initiative. pp. 27, 58, 82.
S.V. Il'iushin. p. 28.
Prokof'ev, A., Supriaga, N - Classification of teaching machines p. 30.
Rubtsov, E. - A group teaching machine. p. 32.
Shur, I. - A "bullet" in the target. p 32.
Zhuravlev, V. - Simulation of mine fields p. 35.
Belianchev, N. - The main thing in the preparation of armored equipment for summer. p. 38.
Shirinskii, A. - An automobile in summer. p. 41.
For traffic safety. p. 45.
Vinogradov, IU - At a high temperature p. 48.
Sergeev, IU. - Humidity and radar. p. 50.
Lialiuk, N. - In rainy and dry weather. p. 50.
Ermakov, V - Rates of crossing can be increased. p. 52.
Dem'ianov, V. - Summer navigation is ahead. p. 54.
Kuleshov, V. - Seasonal service. p. 56.
Grigor'ev, V - Reserves of gasoline saving. p. 59.
P'iankov, A. - Attention to parachute devices. p. 60.
Kostrina, L. - Arc welding of aluminum. p. 61.
Bogoliubov, B., Malygin, A. - The high-speed trenching machine is becoming more reliable. p. 63.
Gazin, D., Kozlova, V - One can compute faster p 65
New road signs p 68
Gadel'shin, Kh - Glue, an insulator p. 68
Chuiskii, V, Budnikov, A - Service logs and storage batteries p 70
Koton, M - Invasion of polymers p 72
Nechaev, P - Duty, official and public. p 76
Bolotov, V. - The search of new things is accessible to everyone p 78.
Rakhmanov, N - Solve the main problems p 79
Get acquainted Invention' p 80
Unit engineers on maintenance. p 84
Ludwig, Szulc - We are perfecting a supply system p 85.
Solov'ev, V - Ship atomic power plants p 88
A portable navigation instrument p 92.
Along the pages of foreign periodicals p. 93.
Kargu, L. - Inertial systems of navigation p. 94.
Books for automobile drivers p 94

VESTNIK PERVOPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, vol. 3, no. 36, Sep. 1964.

VOENNYE ZNANIIA [MILITARY KNOWLEDGE]. Organ of Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy] Moscow, vol. 40, no 7, July 1964

Table of contents translated:
Editorial: Ivanov, V. - Navy of the Soviet state. p. 1
Improve the propaganda of military technical knowledge. p. 3.
Fifth All-Russian Convention. p. 4.
Petrov, I. - Glorious victory of our troops. p. 6.
Nikolaev, B. - On the road of their father. p. 7.
Ishmaev, N. - The commander encourages. p. 8.
Semenov, A. - Under the flag of the motherland. p. 10.
Proshin, P. - Every rocket is a target hit. p. 11.
Suvorov, V. - They will become officers. p. 12.
Lesnevskii, S. - Brothers forever. p. 14.
Miasnenko, A. - Medical service. p. 16.
Dozorin, P. - With the pass of a province committee. p. 17.
Exercises are in progress. p. 18.
Alekseev, E. - With the efforts of activists. p. 19.
Timofeev, V. - Tactical and drill exercise. p. 20.
Kulzhinskii, I. - Decontamination at a plant. p. 22.
Chukov, S., Zakharov, V. - Operations in a nuclear stricken area. p. 23.
Kuz'minov, V - A hospital evacuates. p. 25.
Gogolev, M. - Competitions of medical detachments. p. 26.
Novitskii, E. - The progress could have been more significant. p. 27.
Sokol'skii, I. - Thought out, well organized. p. 27.
Shuvalov, V. - Our movie lecturing bureau. p. 27.
Teplov, A. - Dosimetric devices. p. 28
Sergeev, A. - Strengthen the material base of society. p. 30.
Tomilin, G. - The district committee and primary organizations. p. 31.
Belokon', A. - Before military service. p. 32.
Khakimov, F. - Clubs of revolutionary glory. p. 33.
Klimenko, N. - Serve excellently, soldier! p. 34.
Nadin, V. - Lasers. p. 35.
Maksimenko, V. - A shot by globe lightning. p. 37.
Chulitskii, V. - Every bullet in the bull's eye. p. 38.
Vasil'ev, L. - The club and the Spartakiada. p. 39.
Ermakov, I. - A training model of a pistol. p. 40.
Winners of club contests. p. 40.
Starostin, P. - A good name. p. 41.
Levin, A. - Key to high speeds. p. 42.
Pozhilova, V. - Honored trainer. p. 44.
Nesterov, A. - Pathfinders. p. 45.
Bulatov, A. - People of courage. p. 47.
Kharibian, S. - Exploit of a battery. p. 47.
Sorokin, Z. - Years of severe trials. p. 47.
Military calendar. p. 48.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 43, no. 4, Apr. 1964.

Table of contents translated:
Editorial: According to Lenin's legacy. p. 3.
Kiselev. - Methodical training of officers. p. 9.
Pashkovskii. - Training rocket fire control. p. 12.
Chizhov. - In the interests of combat readiness. p. 13.
Ocheret'ko. - Road to mastery. p. 16.
Egorov. - Learn and teach. p. 19.
Simonian, R. - Foresight in combat. p. 22.
Sviriaev, I. - Motorized rifle platoon in a hasty attack. p. 26.
Gal'tsev, A. - In march security. p. 31.

Trofusha, F. - Tank platoon in combat reconnaissance patrol. p.35.
Grigor'ev, M. - Mortar platoon in an attack. p.38.
Degtiarev, I. - In a contaminated area. p.41.
Solve this problem. A landing company destroys an objective in the rear of the enemy. p.44.
Answer to the problem published in No.2. p.45.
Pliev, I. - Spirit of military service. p.46.
Shishkin, N. - Short tactical meeting. p.49.
Chugunov, I. - Motorized riflemen attack. p.53.
Kolesnikov, A. - Platoon activists. p.58.
With reserve officers. p.60.
Spasskii, M. - Industrial practice of students. p.62.
Terskikh, A., Shchukina, S. - Students go to the field. p.64.
Samoilov, M. - A battery supports an attack at night. p.67.
Smirnov, B. - Sergeants are the support of officers. p.71.
Chernukha, F. - Training artillery scouts in the field. p.74.
Andrienko, S. - Accounting for irregular target travel in firing with radar. p.75.
Shevkunov, V. - Use of the "meteosrednii" report in the mountains. p.77.
Maksimov, V. - Exercise with an assault crossing platoon. p.80.
Anuchkin, B. - Blowing up a bridge. p.83.
Zhuravlev, V. - Overcoming obstacles. p.87.
Chuiko, P., Demchenko, A. - Engineer training in an artillery unit. p.90.
Sergeev, N. - Antimine barrier. p.91.
Solve this problem. Engineer support of a motorized rifle battalion attack. p.92.
Shapovalov, I. - Mechanics of long-range communication set up a station. p.93.
Tulovchikov, S., Volodin, N. - Elements of programmed instruction. p.97.
Solve this problem. Restore communication. p.101.
Mutsynov, S. - Use fire from armored carriers more effectively. p.102.
Demidov, A. - Train persistently and reasonably. p.106.
Syrkov, M. - Plotting board for determining distance and direction of fire. p.108.
Efremov, D. - Training device for firing at moving targets. p.109.
Zlotnik, M., Podoliako, A. - In order to shorten the time for firing. p.111.
Ryzhkov, A. - Armored division in the basic types of combat. p.113.
Fedorov, S. - Change in organization. p.118.
Foreign military news. p.120.
Talented military commander. p.122.
Highest decoration. p.122.
Liberation of Sevastopol. p.123.
Dmitriev, P. - Guidebook to Lenin's military works. p.124.
Klimenko, I. - From Sevsk to Berlin. p.126.
Kan, I.A. - Chess. p.127.

Vol. 44, no. 7, July 1964.
Table of contents translated:
Pavlovskii, I. - High rates of advance is an indespensible condition of victory. p.3.
Sharokhin, M. - Battles of Jassy and Kishinev. p.7.
Polubolarov, P. - Lvov-Sandomierz operation. p.12.
Sukhorukov, G. - On the banks of the Neman. p.16.
Engineer support in forcing crossings. p.18.
Kostenko, K. - Overcoming wide rivers. p.20.
Trusov, A. - Ferry crossing. p.26.
Popov, N. - From what is skill formed. p.31.
Duszynski, Z. - The Polish Army, a new type army. p.36.
Belousov, P. - Control of a company in an attack. p.41.
Rusakov, V. - The second echelon attacks. p.46.
Lastochkin, N. - An artillery division in the depth of the enemy's defenses. p.48.
Khokhlov, V. - Control and communications in motorized rifle units. p.51.
Mikoliuk, I. - Order of special treatment. p.55.
Karmaleev, S. - Work of a meteorological station. p.56.
Your solution? In the depth of defense. p.58.
Answer to a tactical problem. A landing company destroys an installation in the enemy rear. p.59.
Lashchenko, P. - Be worthy of the glory of our fathers. p.60.
Shcherbakov, V. - A motorized rifle company attacks; from experience in tactical training. p.63.
Kutukov, A. - Why is this forgotten? p.66.
Tverdovskii, I., Kudriavtsev, A. - A soldier prepares for guard. p.69.
Kraiko, K. - Military commissariat, work, experience, cares. p.72.
San'ko, I. - Field training of rocket gunners and artillerymen. p.77.
Solodko, I. - Division in an advance detachment; a tactical and drill exercise. p.81.
Vinogradov, IU. - Shorten the time of preparation for fire. p.85.
Chasovskoi, P. - Adjustment of fire with a scale. p.87.
Bukhtiiarov, V., Golubev, I., Bogopol'skii, M. - Creating an imaginary check point with the aid of a range finder. p.88.
Bakov, L. - Training a platoon for firing at diving targets. p.91.
Spivakin, V. - In order to open fire faster. p.93.
Klishin, IU. - Study of radio vehicles by officers. p.95.
Kilanitsa, P. - Training of radiomen should be equal to the new demands; results of a discussion. p.97.
Solve this problem. p.98.
Romanenko, A. - Training in a tank company. p.99.
Ovcharov, A. - Preparation of a 23 mm. subcaliber barrel and a coaxial machine gun for firing. p.101.
Akimtsev, M. - From experience of training in sighting. p.104.
Mikheev, I. - Everything depends on conditions; comment on the article published in no.5. p.105.
Korchinskii, A. - Faster and simpler. p.107.
Larin, S. - Device for adjustment of fire. p.109.
Vakhtangov, R. - Trainer for instruction in radiation and chemical reconnaissance. p.111.
Avilin, V. - Antitank weapons and their use in combat; a survey of foreign military publications. p.114.
Foreign military news. p.121.
Mishin, N. - The Soviet soldier, a liberator. p.122.
Golikov, E., Ofitserov, V., Rubakhin, V. - A useful textbook. p.123.
Bykov, V. - Secrets of the ancient Nevo. p.125.
Kan, I.A. - Chess. p.127.

b. NAVAL SCIENCE

EKONOMIKA I EKSPLUATATSIIA MORSKOGO TRANSPORTA [THE ECONOMICS AND OPERATION OF THE MERCHANT MARINE]. Issued by Otdel uchebnykh zavedenii Ministerstva morskogo flota SSSR [Department of Schools of the Ministry of the Merchant Marine]. Moscow, no. 1, 1963.

Table of contents translated
Mironenko, A F - Calculating net carrying capacity of a ship according to the assigned direction (area) p.3
Gromovoi, E P. - Selecting a quantitative method for solving the problem of fleet distribution. p 10.
Roginskii, B IA., Martynov, V P - Improving the mathematical model of fleet distribution p.17
Dubinskii, P R., Pasternak, D IA. - Selecting vessels for the transportation of packaged cargo p.21.
Sukhoiskii, V I , Savin, N I. - Improving passenger sea rates p.29.
Savin, N.I. - Passenger traffic operation indices. p.36
Savin, N.I. - Special features of the distribution of expenditures among the basic and auxiliary functions of a cargo-passenger ship. p.40.
Sakovich, A.I., Romanovskii, F.D. - Determining the efficiency of the program control of gantry grab cranes in sea ports. p.43.
Miliukov, M A. - Determining the optimal level of using the production capacity of harbors. p 47
Derevich, L.O. - Efficiency of unloading ships by concentrating harbor-handling equipment. p.54
Anan'ina, V.Z. - Calculation algorithm for the electronic computer; problems on selecting a system for supplying cars to harbors in combined transportation. p.61.
Andronov, L.P. - Basic requirements of air conditioner design for ship holds. p.69.
Zagoruiko, V.A - Conditions of heat and mass exchange during the conditioning of certain cargoes. p.73.
Andronov, L.P - Redistribution of moisture in cargoes during their combined storage. p 81
Pass, A.E - Automatic control of the humidity of the air in the holds of dry-cargo ships. p.83.
Pass, A E. - Investigating the electrolytic heating of a hygrometer constructed on the basis of an ETM-XII thermometer. p. 90.
Lekhan, IU.K. - Loading process of a seagoing tanker p.96.
Lekhan, IU.K. - Moisture conditions of cargo spaces in a tank vessel and effect of air drying operations on them. p. 101.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 8-9, Aug.-Sep. 1964. [This journal is also issued in parts]

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Adm.-byt. komb. ugol'. shakht (16h)	Administrativno-bytovye kombinaty ugol'nykh shakht [Administrative and Public Service Combines of Coal Mines]
Agitator (6)	Agitator [Agitator]
Agrobiologiia (15a)	Agrobiologiia [Agrobiology]
Agrokhimiia (15a)	† Agrokhimiia [Agrochemistry]
Akush. i gin. (14b)	Akusherstvo i ginekologiia [Obstetrics and Gynecology]
Alg. i log. (13e)	† Akademiia nauk SSSR. Sibirskoe otdelenie. Seminar algebry i logiki. Algebra i logika [Academy of Sciences of the U. S. S. R. Siberian Department. Seminar of Algebra and Logic. Algebra and Logic]
Arkh. anat., gist. i embr. (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]
Arkh. pat. (14b)	Arkhiv patologii [Archives of Pathology]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]
Atom. energ. (16e)	Atomnaia energiia [Atomic Energy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Av. i kosm. (16b)	Aviatsiia i kosmonavtika [Aviation and Astronautics]
Avtom. svar. (16f)	Akademiia nauk URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]
Avtomatyka (16e)	Avtomatyka [Automatic Control]
Az. i Afr. seg. (1b)	Aziia i Afrika segodnia [Asia and Africa Today]
Azerb. khim. zhur. (13d)	Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]
Azerb. med. zhur. (14a)	Azerbaichan tibb zhurnaly. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]
Azerb. neft. khoz. (16h)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]
Biofizika (13c)	Biofizika [Biophysics]
Biul. Abast. astrofiz. obser. (13b)	Abastumani. Astrofizicheskaia observatoriia. Biulleten' [Astrophysical Observatory. Bulletin]
Biul. eksp. biol. i med. (14a)	Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]
Biul. Inst. teor. astron. (13b)	Akademiia nauk SSSR. Institut teoreticheskoi astronomii. Biulleten' [Academy of Sciences of the U. S. S. R. Institute of Theoretical Astronomy. Bulletin]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
Biul. izobr. i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. Kom. chetv. per. (12c)	Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Biulleten' [Academy of Sciences of the U. S. S. R. Commission for the Study of the Quaternary Period. Bulletin]
Biul. MOIP. Otd. biol. (13c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel biologicheskii [Moscow Naturalists' Society. Bulletin. Biological Section]
Biul. MOIP. Otd. geol. (12c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel geologicheskii [Moscow Naturalists' Society. [illegible]
Biul. mezhdunar. nauch. s''ezd., konf. i kongr. (1a)	[illegible] s''ezdov, konferentsii [illegible] Scientific Meetings, [illegible]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
Biul. nauch.-tekh. inform. po agron. fiz. (15a)	† Leningrad. Agrofizicheskii nauchno-issledovatel'skii institut Biulleten' nauchno-tekhnicheskoi informatsii po agronomicheskoi fizike [Agrophysical Scientific Research Institute. Bulletin of Scientific and Technical Information on Agronomic Physics]
Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. (15d)	† Ashkhabad. Turkmenskii nauchno-issledovatel'skii institut zemledeliia. Biulleten' nauchno-tekhnicheskoi informatsii [Turkmen Scientific Research Institute of Agriculture. Bulletin of Scientific and Technical Information]
Biul. stroi. tekh. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]
Biul. TSentr. nauch. sel'khoz. bibliot. (15a)	Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. Biulleten' [Central Agricultural Library. Bulletin]
Biul. Uch. med. sov. (14a)	Russia (1917- R.S.F.S.R.) Ministerstvo zdravookhraneniia. Uchenyi meditsinskii sovet. Biulleten' [Ministry of Health. Learned Medical Council. Bulletin]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
Bukhg. uchet (5a)	Bukhgalterskii uchet [Accounting]
Dokl. AN Arm. SSR (13a)	Akademiia nauk Armianskoi SSR, Erivan. Doklady [Academy of Sciences of the Armenian S. S. R. Reports]
Dokl. AN Azerb. SSR (13a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports]
Dokl. AN BSSR (13a)	Akademiia navuk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports]
Dokl. Inst. geog. Sib. i Dal'. Vost. (12b)	† Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geografii Sibiri i Dal'nego Vostoka. Doklady [Academy of Sciences of the U. S. S. R. Siberian Department. Institute of the Geography of Siberia and the Far East. Reports]
Dop. AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S. S. R. Reports]
Ekon. i ekspl. mor. transp. (17b)	† Ekonomika i ekspluatatsiia morskogo transporta [The Economics and Operation of the Merchant Marine]
Ekon. sel'khoz. (6 b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Elek. sta. (16c)	Elektricheskie stantsii [Electric Power Stations]
Elektrosviaz' (16e)	Elektrosviaz' [Telecommunication]
Elektrotekhnika (16e)	Elektrotekhnika [Electrical Engineering]
Energ. stroi. (16e)	Energeticheskoe stroitel'stvo [Power Construction]
Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; Supplement to the Periodical "Electric Power Stations"]
Energomashinostroenie (16g)	Energomashinostroenie [Power Machinery Construction]
Ent. oboz. (13c)	Entomologicheskoe obozrenie [Entomological Review]
Ezhegod. knigi SSSR (2a)	Ezhegodnik knigi SSSR; sistematicheskii ukazatel' [Annual of Soviet Books; Classed Index]
Farm. i toks. (14f)	Farmakologiia i toksikologiia [Pharmacology and Toxicology]
Farmatsev. zhur. (14f)	Farmatsevtychnyi zhurnal [Pharmaceutical Journal]
Fin. SSSR (5c)	Finansy SSSR [Finance of the U. S. S. R.]

Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Fiziol. zhur. (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U. S. S. R.]
Fiziol. zhur. [Ukr] (13c)	Fiziologichnyi zhurnal [Physiological Journal]
Gaz. delo (16h)	Gazovoe delo [Gas Industry]
Gaz. prom. (16c)	Gazovaia promyshlennost' [Gas Industry]
Geod i kart (16a)	Geodeziia i kartografiia [Geodesy and Cartography]
Geol. nefti i gaza (16h)	Geologiia nefti i gaza [The Geology of Petroleum and Gas]
Gidroliz. i lesokhim. prom. (16c)	Gidroliznaia i lesokhimicheskaia promyshlennost' [Hydrolysis and Wood Chemistry Industry]
Grazhd. av. (16b)	Grazhdanskaia aviatsiia [Civil Aviation]
Grud. khir. (14h)	Grudnaia khirurgiia [Thoracic Surgery]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences; Earth Sciences, Technology and Technological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2. (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravookhranenie, meditsinskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3. Social Sciences, Belles-Lettres, Art]
Inform. biul VDNKH (16a)	Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Informatsionnyi biulleten' [Exhibition of Achievements of the National Economy of the U.S.S.R. Information Bulletin]
Inform. sbor. TSNIIMF. Usl. kom. ekspl. mor. flota v zagran. plav. (5b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Usloviia kommercheskoi ekspluatatsii morskogo flota v zagranichnom plavanii [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Conditions for the Commercial Operation of the Merchant Marine in Foreign Waters]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Inzh. zhur. (16g)	Inzhenernyi zhurnal [Engineering Journal]
Isk. Azerb. (10a)	Iskusstvo Azerbaidzhana [The Art of Azerbaijan]
Isk zod. Uz. (10b)	Iskusstvo zodchikh Uzbekistana [The Art of the Architects of Uzbekistan]
Izm. tekh. (16a)	Izmeritel'naia tekhnika [Measurement Techniques]
Izobr. i rats. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Izv. AN Arm. SSR. Biol. nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Biological Sciences]
Izv. AN Arm. SSR. Khim. nauki (13d)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Khimicheskie nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Chemical Sciences]
Izv. AN Arm. SSR. Nauki o zem. (12c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Nauki o zemle [Academy of Sciences of the Armenian S. S. R. Bulletin. Earth Sciences]
Izv. AN Arm. SSR. Obshchestv. nauki (1a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Social Sciences]. In Russian and Armenian.
Izv. AN Arm. SSR. Ser. fiz.-mat. nauk (13a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Armenian S. S. R. Bulletin. Series in the Physical and Mathematical Sciences]
Izv. AN Kazakh. SSR. Ser. obshchestv. nauk (1a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the Kazakh S. S. R. Bulletin. Series in the Social Sciences]
Izv AN SSSR. Mekh. i mashinostr. (16g)	Akademiia nauk SSSR. Izvestiia. Mekhanika i mashinostroenie [Academy of Sciences of the U. S. S. R. Bulletin. Mechanics and Machine Building]
Izv. AN SSSR. Met. i gor. delo (16h)	Akademiia nauk SSSR. Izvestiia. Metallurgiia i gornoe delo [Academy of Sciences of the U. S. S. R. Bulletin. Metallurgy and Mining]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. [Physical Series]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Geophysical Series]
Izv. AN SSSR Ser. geog. (12b)	Akademiia nauk SSSR. Izvestiia. Seriia geograficheskaia [Academy of Sciences of the U.S.S.R Bulletin. Geographical Series]
Izv. AN SSSR. Ser. khim. (13d)	Akademiia nauk SSSR. Izvestiia. Seriia khimicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Chemical Series]
Izv. AN SSSR. Ser. lit. i iaz. (11b)	Akademiia nauk SSSR. Izvestiia. Seriia literatury i iazyka [Academy of Sciences of the U. S. S. R. Bulletin. Series in Literature and Language]
Izv. AN SSSR. Tekh. kib. (16e)	Akademiia nauk SSSR. Izvestiia. Tekhnicheskaia kibernetika [Academy of Sciences of the U. S. S. R. Bulletin. Engineering Cybernetics]
Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk (13a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [Academy of Sciences of the Turkmen S. S. R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]
Izv. AN Turk. SSR. Ser. obshchestv. nauk (1a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S R. Bulletin. Series in the Social Sciences]
Izv. AN Uz. SSR. Ser. fiz.-mat. nauk (13f)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]
Izv. APN (8a)	Akademiia pedagogicheskikh nauk RSFSR, Moscow. Izvestiia [Academy of Pedagogical Sciences of the R. S. F. S. R. Bulletin]
Izv. Geol. ob-va Gruz. (12c)	Geologicheskoe obshchestvo Gruzii. Izvestiia [Geological Society of Georgia. Bulletin]
Izv. GosNIORKH (15b)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Izvestiia [State Scientific Research Institute of Lake and River Fisheries. Bulletin]
Izv. SO AN SSSR. Ser. obshchestv. nauk (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin. Series in the Social Sciences]
Izv. SO AN SSSR. Ser. tekh. nauk (16a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. Seriia tekhnicheskikh nauk [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin. Series in the Technological Sciences]
Izv. Sev.-Oset. nauch.-issl. inst. (1a)	Ordzhonikidze. Severo-Osetinskii nauchno-issledovatel'skii institut. Izvestiia [North Ossetian Scientific Research Institute. Bulletin]
Izv. Sib. otd. AN SSSR (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin]
Izv. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Izvestiia [Timiriazev Agricultural Academy of Moscow. Bulletin]
Izv. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U.S.S.R. Bulletin]
Izv. vys. ucheb. zav.; av. tekh. (16b)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; aviatsionnaia tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. vys. ucheb. zav., energ. (16e)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]

Izv. vys. ucheb. zav., fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]
Izv. vys. ucheb. zav.; geod. i aerof. (13b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, *geodeziia i aerofotos''emka* [*Ministry of* Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography]
Izv. vys. ucheb. zav., gor. zhur. (15h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]
Izv. vys. ucheb. zav.; les. zhur. (15c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Forestry Journal]
Izv. vys. ucheb. zav.; mat. (13e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education. Biulletin of the Institutions of Higher Learning; Mathematics]
Izv. vys. ucheb. zav., neft' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]
Izv. vys ucheb. zav.; radiotekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv. vys. ucheb. zav., tekh. tekst. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Kardiologiia (14a)	Kardiologiia [Cardiology]
Kat. kand. diss., postup. v Bibl. im. V. I. Len .. (2a)	Moscow. Publichnaia biblioteka Katalog kandidatskikh dissertatsii, postupivshikh v Biblioteku imeni V I Lenina... [Public Library Catalog of Dissertations for the Degree of Candidate, Received by the V. I. Lenin Library ..]
Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Khim., sist. uk. st. v inostr. zhur. (13d)	Moscow Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry, Classed Index of Articles in Foreign Periodicals]
Khim. i med. (14f)	Khimiia i meditsina [Chemistry and Medicine]
Khim. i tekh. polim. (16c)	Khimiia i tekhnologiia polimerov; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations and Surveys from Foreign Periodical Literature]
Khim. i tekh. topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. prom. [Ukr.] (16c)	Khimichna promyslovist' [Chemical Industries]
Khim. v sel'. khoz. (15a)	Khimiia v sel'skom khoziaistve [Chemistry in Agriculture]
Khim. volok. (16c)	Khimicheskie volokna [Synthetic Fibers]
Khleb. i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]
Knizh. let. (2a)	Knizhnaia letopis' [Book Chronicle]
Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kommunist (6)	Kommunist [Communist]
Kozh.-obuv. prom. (16f)	Kozhevenno-obuvnaia promyshlennost' [Leather and Footwear Industry]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Lab. delo (14e)	Laboratornoe delo [Laboratory Work]
Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let. rets. (2a)	Letopis' retsenzii [Chronicle of Reviews]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of *Periodical* Articles]
Mash. i neft. obor. (16h)	Mashiny i neftianoe oborudovanie [Mashinery and Petroleum Equipment]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Masl.-zhir. prom. (16d)	Masloboino-zhirovaia promyshlennost' [Oils and Fats Industry]
Mat. i soob. Issl otd. Inst. po izuch. SSSR (4a)	Institut zur Erforschung der UdSSR. Materialy i soobshcheniia Issledovatel'skogo otdela [Institute for the Study of the U.S.S.R. Materials and Reports of the Research Department]
Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. (14b)	‡Materialy k izucheniiu zhen'shenia i drugikh lekarstvennykh rastenii Dal'nego Vostoka [Materials for the Study of Ginseng and other Medicinal Plants of the Far East]
Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. (12b)	‡Akademiia nauk SSSR. Sibirskoe otdelenie. Komissiia po izucheniiu podzemnykh vod Sibiri i Dal'nego Vostoka. Materialy [Academy of Sciences of the U.S.S.R. Siberian Department, Committee for the Study of the Underground Waters of Siberia and the Far East. Materials]
Mat kul't Azerb. (4b)	Material'naia kul'tura Azerbaidzhana [Material Culture of Azerbaijan]
Mat nabl seism sta "Apatity" (12c)	‡Apatity Seismicheskaia stantsiia Materialy nabliudenii [Seismic Station Observations]
Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR (12b)	‡Geograficheskoe obshchestvo SSSR. Otdelenie matematicheskoi geografii i kartografii. Materialy [Geographical Society of the U.S.S.R. Department of Mathematical Geography and Cartography. Materials]
Mat. rybokhoz. issl. Sev. bas. (15b)	‡Materialy rybokhoziaistvennykh issledovanii Severnogo basseina [Materials of Fisheries Research in the Northern Basin]
Mat. zap. Ural. mat. ob-va UrGU (13e)	Sverdlovsk. Ural'skii gosudarstvennyi universitet. Ural'skoe matematicheskoe obshchestvo. Matematicheskie zapiski [Ural State University. Ural Mathematical Society. Mathematical Annals]
Matematika (13e)	Matematika; periodicheskii sbornik perevodov inostrannykh statei [Mathematics; Translations of Foreign Articles]
Med. paraz. i paraz. bol. (14a)	Meditsinskaia parazitologiia i parazitarnye bolezni [Medical Parasitology and Parasitogenic Diseases]
Med. rad. (14a)	Meditsinskaia radiologiia [Medical Radiology]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]
Mekh. stroi. (16d)	Mekhanizatsiia stroitel'stva [Mechanization of Construction]
Mekhanika (16g)	Mekhanika; periodicheskii sbornik perevodov inostrannykh statei [Mechanics; Translations of Foreign *Articles*]
Met. i gornorud. prom. (16h)	Metallurgicheskaia i gornorudnaia promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]
Metallurg (16h)	Metallurg [Metallurgist]
Meteor. i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Metod. ukaz. po prim. radiometr. metod. dlia poiskov i razved. rud. nerad. elem. i geol. kart. (16h)	‡Metodicheskie ukazaniia po primeneniiu radiometricheskikh metodov dlia poiskov i razvedki rud neradioaktivnykh elementov i geologicheskogo kartirovaniia [Methodological Instructions on the Use of Radiometric Methods of Searching and Prospecting for Ores of Nonradioactive Elements and for Geologic Mapping]
Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Mol. komm. (6)	Molodoi kommunist [The Young Communist]
NTO (16a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U.S.S.R.]
Nach. shkola (8a)	Nachal'naia shkola [Primary School]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
Nauch. dokl. vys. shkoly; biol. nauki (13c)	Russia (1923- U.S.S.R.) *Ministerstvo vysshego i srednego* spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]

Nauch. dokl. vys. shkoly, filos. nauki (3a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philosophical Sciences]
Nauch. ezhegod. Khim. fak. Od. un. (13d)	‡Odessa. Universytet. Khimichnyi fakul'tet. Nauchnyi ezhegodnik [University. Chemistry Faculty. Scientific Yearbook]
Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. (13f)	Gosudarstvennoe izdatel'stvo literatury v oblasti atomnoi nauki i tekhniki, Moscow. Nauchno-tekhnicheskii sbornik [State Publishing House of Literature in the Field of Atomic Science and Technology. Technical Papers]
Nauch.-tekh. sbor. po dob. nefti (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Nauchno-tekhnicheskii sbornik po dobyche nefti [All-Union Scientific Research Institute of Petroleum and Natural Gas. Scientific and Technical Papers on Petroleum Production]
Nauch. trudy Kub. gos. med. inst. (14a)	‡Krasnodar. Kubanskii gosudarstvennyi meditsinskii institut. Nauchnye trudy [Kuban State Medical Institute. Studies]
Nauch. trudy SibVIM (16g)	‡Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mekhanizatsii sel'skogo khoziaistva. Sibirskii filial. Nauchnye trudy [All-Union Scientific Research Institute for the Mechanization of Agriculture. Siberian Branch. Studies]
Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]
Neftegaz. geol. i geofiz. (16h)	Neftegazovaia geologiia i geofizika [Petroleum and Gas Geology and Geophysics]
Neftekhimiia (16c)	Neftekhimiia [Petrochemistry]
Nefteper. i neftekhim. (16h)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Nefteprom. delo (16h)	Neftepromyslovoe delo [Petroleum Production]
Nov. inostr. lit. po filos. (3a)	Novaia inostrannaia literatura po filosofii [New Foreign Literature on Philosophy]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi, ezhened. bibl. zhur. (2a)	Novye knigi, ezhenedel'nyi bibliograficheskii zhurnal [New Books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U.S.S.R.]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriia A: Matematika, mekhanika, astronomiia, geofizika, fizika, khimiia, geologiia, fizicheskaia geografiia [New Foreign books: Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]
Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom. Seriia B: Tekhnika [New Foreign Books. Series B: Technology]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V. Biology, Medicine, Agriculture]
Nov. knigi za rub. po obshchestv. naukam (2a)	Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences; Economics, Philosophy, History, International Relations]
Nov. lit. o nauke i nauch.-issl. rab. za rub. (2a)	Novaia literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
Nov. lit. po Bolg. (2a)	Novaia literatura po Bolgarii [New Literature on Bulgaria]
Nov. lit. po Chekh. (2a)	Novaia literatura po Chekhoslovakii [New Literature on Czechoslovakia]
Nov. lit. po obshch. probl. evrop. sots. stran (4a)	‡Novaia literatura po obshchim problemam evropeiskikh sotsialisticheskikh stran [New Literature on the General Problems of the European Socialist Countries]
Nov. mir (11b)	Novyi mir [The New World]
Nov. sov. ekon. lit. (5b)	Novaia sovetskaia ekonomicheskaia literatura [New Soviet Economic Literature]
Nov. sov. i inostr. lit. po vop. rel. i ateiz. (3b)	Novaia sovetskaia i inostrannaia literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
Nov. sov. lit. po ist., arkheol. i etn. (4a)	Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Nov. vrem. (6)	Novoe vremia [New Times]
Obog. i brik. ugl. (16h)	Obogashchenie i briketirovanie uglei [Coal Preparation and Briquetting]
Okhr. truda i sots. strakh. (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Oktiabr' (11b)	Oktiabr' [October]
Opr. po faune (13c)	Opredeliteli po faune SSSR [Guides to the Fauna of the U.S.S.R.]
Opt. i spektr. (13f)	Optika i spektroskopiia [Optics and Spectroscopy]
PMTF (16a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
Pam. kul't. (4b)	Moscow. Gosudarstvennyi istoricheskii muzei. Pamiatniki kul'tury [State Historical Museum. Landmarks of Culture]
Part. zhizn' (6)	Partiinaia zhizn' [Party Life]
Pat. fiziol. i eksp. terap. (14e)	Patologicheskaia fiziologiia i eksperimental'naia terapiia [Pathological Physiology and Experimental Therapy]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Plast. massy (16c)	Plasticheskie massy [Plastics]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Prirod. obst. i fauny prosh. (12c)	‡Prirodnaia obstanovka fauny proshlogo [The Natural Environment and Faunas of the Past]
Probl. gemat. i perel. krovi (14e)	Problemy gematologii i perelivaniia krovi [Problems of Hematology and Blood Transfusion]
Probl. pered. inform. (16e)	Problemy peredachi informatsii [Problems of the Transmission of Information]
Probl. tub. (14a)	Problemy tuberkuleza [Problems of Tuberculosis]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]
Rad. shk. (6a)	Radians'ka shkola [Soviet School]
Radio (16e)	Radio [Radio]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Razved. i okh. nedr (16h)	Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Ref. sbor.: Vop. onk. (14a)	‡Akademiia meditsinskikh nauk SSSR, Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut meditsinskoi i mediko-tekhnicheskoi informatsii. Referativnyi sbornik: Voprosy onkologii [Academy of Medical Sciences of the U.S.S.R. All-Union Scientific Research Institute of Medical and Medicotechnical Information. Journal of Abstracts: Problems of Oncology]
Ref. zhur.: Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur.: Avtom., telem. i vych. tekh. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]
Ref. zhur.: Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate *Issue 30f*)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur.: Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts: Electronics and its applications]
Ref. zhur.: Elektrotekh. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
Ref. zhur.: Fotokinotekh. (16g)	Referativnyi zhurnal: Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Ref. zhur.: Geod. (13b)	Referativnyi zhurnal: Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]

Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Ref. zhur.: Geol. (13c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts. Geology]
Ref. zhur.: Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts Mining]
Ref. zhur.: Gor. mash. (16h)	Referativnyi zhurnal: Gornye mashiny (Otdel'nyi vypusk 43) [Journal of Abstracts: Mining Machinery (Separate Issue 43)]
Ref. zhur.: IAd. reak. (16o)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Ref. zhur.: Issl. kosm. prostr. (13b)	Referativnyi zhurnal. Issledovanie kosmicheskogo prostranstva (Otdel'nyi vypusk 62) [Journal of Abstracts: Space Research (Separate Issue 62)]
Ref. zhur.: Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts Chemistry]
Ref. zhur.: Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur.: Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]
Ref. zhur.: Kommun., byt. i torg. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur.: Kotlostr. (16g)	Referativnyi zhurnal: Kotlostroenie (Otdel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]
Ref. zhur.: Lesoved. i lesovod. (15c)	Referativnyi zhurnal: Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur.: Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur.: Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal: Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur.: Metr. i izm. tekh. (16a)	Referativnyi zhurnal: Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
Ref. zhur.: Nasosostr. i kompressorostr. (16g)	Referativnyi zhurnal: Nasosostroenie i kompressorostroenie (Otdel'nyi vypusk 61) [Journal of Abstracts: Manufacture of Pumps and Compressors (Separate Issue 61)]
Ref. zhur.: Nauch. i tekh. inform. (16a)	Referativnyi zhurnal: Nauchnaia i tekhnicheskaia informatsiia (Otdel'nyi vypusk 59) [Journal of Abstracts: Scientific and Technical Information (Separate Issue 59)]
Ref. zhur.: Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur.: Obor. pishch. prom. (16g)	Referativnyi zhurnal: Oborudovanie pishchevoi promyshlennosti (Otdel'nyi vypusk 38) [Journal of Abstracts: Equipment of the Food Industry (Separate Issue 38)]
Ref. zhur.: Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Ref. zhur.: Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
Ref. zhur.: Radiotekh. i elektrosviaz'	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Ref. zhur.: Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]
Ref. zhur.: Stroi. i arkhit. (16d)	Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
Ref. zhur.: Stroi. i dor. mash. (16g)	Referativnyi zhurnal: Stroitel'nye i dorozhnye mashiny (Otdel'nyi vypusk 60) [Journal of Abstracts: Construction Equipment and Road Machinery (Separate Issue 60)]
Ref. zhur.: Tekh. i obor. tsel.-bum. i poligr. proizv. (16g)	Referativnyi zhurnal. Tekhnologiia i oborudovanie tselliulozno-bumazhnogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Woodpulp, Paper, and Printing Industry (Separate Issue 37)]
Ref. zhur.: Tekh. mashinostr. (16g)	Referativnyi zhurnal: Tekhnologiia mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Ref. zhur.: Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts. Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur.: Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur.: Turbostr. (16g)	Referativnyi zhurnal: Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal. Vodnyi transport [Journal of Abstracts. Water Transportation]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts. Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air transportation]
Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal. Vzaimodeistvie raznykh vidov transporta i konteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts. Railroad Transportation]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo. Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]
Rost krist. (13d)	Rost kristallov [Growth of Crystals]
Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekh. AN SSSR (5b)	‡ Akademiia nauk SSSR. Nauchnyi sovet po effektivnosti osnovnykh fondov kapital'nykh vlozhenii i novoi tekhniki. Sbornik nauchnoi informatsii [Academy of Sciences of the U.S.S.R. Scientific Council on the Effectiveness of Capital Investment Funds and New Technology. Scientific Information]
Sbor. nauch. rab. AKKH (16d)	Akademiia kommunal'nogo khoziaistva. Sbornik nauchnykh rabot [Academy of Communal Economy. Papers]
Sbor. nauch. rab. Inst. metallofiz. AN URSR (16h)	Akademiia nauk URSR, Kiev. Instytut metalofizyky. Sbornik nauchnykh rabot [Academy of Sciences of the Ukrainian S.S.R. Institute of the Physics of Metals. Collected Papers]
Sbor. nauch. rab. stud. Volg. gos. med. inst. (14a)	‡Volgograd. Meditsinskii institut. Sbornik nauchnykh rabot studentov [Medical Institute. Student Papers]
Sbor. nauch. trud. KGRI (16h)	Krivoy Rog. Gornorudnyi institut. Sbornik nauchnykh trudov [Institute for Mining and Ore Dressing. Papers]
Sbor. nauch. trud. NII po stroi. ASiA (16d)	Akademiia stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Tashkent. Sbornik nauchnykh trudov [Academy of Construction and Architecture of the U.S.S.R. Institute for Construction. Papers]
Sbor. nauch. trud. Ural. politekh. inst. (16a)	Sverdlovsk. Ural'skii politekhnicheskii institut. Sbornik nauchnykh trudov [Ural Polytechnic Institute. Papers]
Sbor. rab. po vop. elektromekh. (16e)	Akademiia nauk SSSR. Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki [Academy of Sciences of the U.S.S.R. Institute of Electrical Machinery and Apparatus. Papers on the Problems of Electrical Machinery and Apparatus]
Sbor. rats. predl. Otd. nauch.-tekh. inform. VIMSa (16h)	‡ Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Otdel nauchno-tekhnicheskoi informatsii. Sbornik ratsionalizatorskikh predlozhenii
Sbor. ref. nauch. rab. VNIMP (16f)	
Sbor. trud. ROSNIIMS (16d)	
Shvein. prom (16f)	
Sib. mat. zhur (13e)	
Soob. AN Gru (1a)	
Soob. GAISH (13b)	
Sots. obesp.	

Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. med. ref. oboz. Nevro pat. i psikh. (14c)	Sovetskoe meditsinskoe referativnoe obozrenie. Nevropatologiia i psikhiatriia [Abstracts of Soviet Medical Literature. Neuropathology and Psychiatry]
Sov. med. ref. oboz. Norm. i pat. morf. s embr. (14e)	Sovetskoe meditsinskoe referativnoe obozrenie. Normal'naia i patologicheskaia morfologiia s embriologiei [Abstracts of Soviet Medical Literature. Normal and Pathological Morphology with Embryology]
Sov. med. ref. oboz. Vnutr. bol. (14a)	Sovetskoe meditsinskoe referativnoe obozrenie. Vnutrennie bolezni [Abstracts of Soviet Medical Literature. Internal Diseases]
Sov. muz. (9b)	Sovetskaia muzyka [Soviet Music]
Sov. potreb. koop. (5a)	Sovetskaia potrebitel'skaia kooperatsiia [Soviet Consumer Cooperation]
Sov. profsoiuz. (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. shakht. (16h)	Sovetskii shakhter [Soviet Miner]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Sov. zdrav. Kir. (14a)	Sovetskoe zdravookhranenie Kirgizii [Soviet Health Service of Kirghizia]
Sovershen. tekh. mash. i prib. (16g)	‡ Sovershenstvovat' tekhnologiiu mashin i priborov [Perfect the Technology of Machinery and Instruments]
Spis. sem. (15d)	Moscow. Glavnyi botanicheskii sad. Spisok semian predlagaemykh v obmen [Main Botanical Garden. List of Seeds *Offered in Exchange*]
Spis. sem., predl. v obm. Bot. sad. AN Kazakh. SSR (15d)	‡Akademiia nauk Kazakhskoi SSR, Alma-Ata. Botanicheskii sad. Spisok semian, predlagaemykh v obmen [Academy of Sciences of the Kazakh S. S. R. Botanical Garden. List of Seeds Offered in Exchange]
Spis. sem., predl. v obm. Bot. sad. AN Kir. SSR (15d)	Akademiia nauk Kirgizskoi SSR, Frunze. Botanicheskii sad. Spisok semian, predlagaemykh v obmen [Academy of Sciences of the Kirghiz S. S. R. Botanical Garden. *List of Seeds Offered in Exchange*]
Spis. sem., predl. v obm. Bot. sad. AN Tadzh. SSR (15d)	‡ Akademiia nauk Tadzhikskoi SSR, Dushanbe. Botanicheskii sad. Spisok semian, predlagaemykh v obmen [Academy of Sciences of the Tajik S. S. R. Botanical Garden. List of Seeds *Offered* in Exchange]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Stal' (16h)	Stal' [Steel]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Starsh. — serzh. (17a)	Starshina — serzhant [Noncommissioned Officers]
Stroi. komm. v SSSR i zad. izobr. isk. (10a)	‡Stroitel'stvo kommunizma v SSSR i zadachi izobrazitel'nogo iskusstva [Building of Communism in the U. S. S. R. and *the Tasks of the Fine Arts*]
Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]
Svod. biul. nov. inostr. knig. *Ser. A* (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A. Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U. S. S. R. Series A: Natural Sciences, Medicine, Agriculture, Technology]
Teatr (9c)	Teatr [The Theater]
Tekh. i vooruzh. (17a)	Tekhnika i vooruzhenie [Technology and Armaments]
Tekh. kino i telev. (9a)	Tekhnika kino i televideniia [Motion-Picture and Television Engineering]
Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Teplofiz. vys. temp. (13f)	*Teplofizika* vysokikh temperatur [Thermophysics of High Temperatures]
Torf. prom. (16h)	Torfianaia promyshlennost' [Peat Industry]
Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
Transp. i khran. nefti i nefteprod. (16h)	Transport i khranenie nefti i nefteproduktov [Transportation and Storage of Petroleum and Petroleum Products]
Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy AANII (12b)	Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii *institut*. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Trudy AN Lit. SSR, Ser. B (1a)	Lietuvos TSR mokslu akademija, Vilna. Darbai. Serija B. Trudy Akademii nauk Litovskoi SSR. Seriia B [Academy of Sciences of the Lithuanian S. S. R. Transactions. Series B]
Trudy Astr. tekh. inst. ryb. prom. i khoz. (16f)	Astrakhan. Tekhnicheskii institut rybnoi promyshlennosti i khoziaistva. Trudy [Technical Institute of Fisheries. Transactions]
Trudy AzNIIRKH *(13c)*	Rostov-on-Don. Azovskii nauchno-issledovatel'skii institut rybnogo khoziaistva. Trudy [Azov Scientific Research Institute of Fisheries. Transactions]
Trudy Azcherniro. (13c)	Kerch. Azovo-Chernomorskii nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]
Trudy Biol. inst. Sib. otd. AN SSSR (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Biologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Siberian Department. Biological Institute. Transactions]
Trudy Bot. inst. Ser. I (13c)	Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seriia I. Flora i sistematika vysshikh rastenii [Academy of Sciences of the U. S. S. R. Botanical Institute. Transactions. Series I. Flora and Systematics of Higher Plants]
Trudy DKhTI (16c)	Dnepropetrovsk. Khimiko-tekhnologicheskii institut. Trudy [Institute of Chemical Technology. Transactions]
Trudy DVFAN SSSR. Ser. khim. (13d)	Akademiia nauk SSSR. Dal'nevostochnyi filial, Vladivostok. Trudy. Seriia khimicheskaia [Academy of Sciences of the U. S. S. R. Far Eastern Branch. Transactions. Chemical Series]
Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]
Trudy GPI (16a)	Gorkiy. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy GPI *(Gruz.) (16a)*	Tiflis. Gruzinskii politekhnicheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
Trudy Gidrav. lab. VODGEO (16d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut vodosnabzheniia, kanalizatsii, gidrotekhnicheskikh sooruzhenii i inzhenernoi gidrogeologii. Gidravlicheskaia laboratoriia. Trudy [All-Union Scientific Research Institute of Water Supply, Sewerage, Hydraulic Structures, and Engineering Hydrogeology. Hydraulic Laboratory. Transactions]
Trudy Giprovodkhoza (16d)	‡ Moscow. Vsesoiuznyi nauchno-issledovatel'skii i proektno-izyskatel'skii *institut Giprovodkhoz. Trudy [All-Union* Scientific Research and Design Institute of the Water *Economy. Transactions*]
Trudy Gos. nauch.-issl. inst. psikh. (14c)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut psikhiatrii. Trudy [State Scientific Research Institute of Psychiatry. Transactions]
Trudy Gos. nauch.-issl. psikhonevr. inst. (14c)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii psikhonevrologicheskii institut. Trudy [State Psychoneurological Scientific Research Institute. Transactions]
Trudy IGI (16h)	Akademiia nauk SSSR. Institut goriuchikh iskopaemykh. Trudy [Academy of Sciences of the U. S. S. R. Institute of Mineral Fuels. Transactions]
Trudy Inst. bot. *AN Kazakh. SSR* (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut botaniki. Trudy [*Academy of Sciences of the Kazakh* S. S. R. Institute of Botany. Transactions]
Trudy Inst. bot. *AN Turk. SSR* (13c)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. *Institut* botaniki. Trudy [Academy of Sciences of the Turkmen S. S. R. Institute of Botany. Transactions]
Trudy Inst. eksp. i klin. khir. i gemat. *AN Gruz.* SSR (14h)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut eksperimental'noi i klinicheskoi khirurgii i gematologii. *Trudy [Academy* of Sciences of the Georgian S. S. R. Institute of Experimental and Clinical Surgery and *Hematology*. Transactions]
Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR (12c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [Academy of Sciences of the U. S. S. R. Siberian Department. Institute of Geology and Geophysics. *Transactions*]
Trudy Inst. geol. nauk AN URSR. Ser. geotek. *(12c)*	Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia geotektoniki [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. *Series* in Geotectonics]
Trudy Inst. gor. dela AN Kazakh. SSR (16h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut gornogo dela. Trudy [Academy of Sciences of the *Kazakh S. S. R.* Institute of Mining. Transactions]
Trudy inst. Kom. stand., mer i izm. prib. (13a)	Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [*Committee* of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]
Trudy Inst. met. (16h)	Akademiia nauk SSSR. Institut metallurgii. Trudy [Academy of Sciences of the U. S. S. R. Institute of Metallurgy. Transactions]
Trudy Inst. met. i *obog. AN* Kazakh. SSR *(16h)*	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut metallurgii i obogashcheniia. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Metallurgy and Ore Dressing. Transactions]

Trudy Inst. okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Oceanography. Transactions]
Trudy KNII NP (16h)	† Kuybyshev. Gosudarstvennyi nauchno-issledovatel'skii institut neftianoi promyshlennosti. Trudy [State Scientific Research Institute for the Petroleum Industry. Transactions]
Trudy kaf. obshchestv. nauk OEIS (1a)	Odessa. Elektrotekhnicheskii institut sviazi. Trudy kafedr obshchestvennykh nauk [Institute of Electrical Communication Engineering. Transactions of the Departments of Social Sciences]
Trudy Kostr. sel'khoz. inst. "Kar." (15a)	†Kostroma. Sel'skokhoziaistvennyi institut "Karavaevo." Trudy ["Karavaevo" Agricultural Institute. Transactions]
Trudy KuzNII-shakhtostroia (16h)	† Kemerovo. Nauchno-issledovatel'skii institut stroitel'stva ugol'nykh i gornorudnykh predpriiatii. Trudy [Scientific Research Institute for the Building of Coal and Ore-Mining Enterprises. Transactions]
Trudy Lab. geol. dokem. (12c)	Akademiia nauk SSSR. Laboratoriia geologii dokembriia. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]
Trudy Lab. inzh. gidrogeol. VODGEO (16d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut vodosnabzheniia, kanalizatsii, gidrotekhnicheskikh sooruzhenii i inzhenernoi gidrogeologii. Laboratoriia inzhenernoi gidrogeologii. Trudy [All-Union Scientific Research Institute of Water Supply, Sewerage, Hydraulic Engineering Structures, and Engineering Hydrogeology. Laboratory of Engineering Hydrogeology. Transactions]
Trudy NIIAK (13f)	Moscow. Nauchno-issledovatel'skii institut aeroklimatologii. Trudy [Scientific Research Institute of Aeroclimatology. Transactions]
Trudy NIIM (4a)	Moscow. Nauchno-issledovatel'skii institut muzeevedeniia. Trudy [Scientific Research Institute of Museum Organization. Transactions]
Trudy NPI (16a)	Novocherkassk. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy Paleont. inst. (12c)	Akademiia nauk SSSR. Paleontologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Paleontology. Transactions]
Trudy TSIP (13f)	Moscow. TSentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy Tadzh. med. inst. (14a)	Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy TSentr. nauch.-issl. inst. piv. bezalk. i vin. prom. (16c)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut pivovarennoi, bezalkogol'noi i vinnoi promyshlennosti. Trudy [Central Scientific Research Institute for the Brewing, Soft Drinks, and Wine Industry. Transactions]
Trudy. Ural. elektromekh. inst. inzh. zhel. dor. transp. (16e)	†Sverdlovsk. Ural'skii elektromekhanicheskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Ural Electromechanical Institute of Engineers of Railroad Transportation. Transactions]
Trudy Ural. poli-tekh. inst. (16a)	Sverdlovsk. Ural'skii politekhnicheskii institut. Trudy [Ural Polytechnic Institute. Transactions]
Trudy VEI (16e)	Moscow. Vsesoiuznyi elektrotekhnicheskii institut. Trudy [All-Union Institute of Electrical Engineering. Transactions]
Trudy VIZH (15b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. Trudy [All-Union Scientific Research Institute of Animal Husbandry. Transactions]
Trudy VNIGRI (16h)	Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
Trudy VNII (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas. Transactions]
Trudy VNIIBT (16h)	Vsesoiuznyi nauchno-issledovatel'skii institut burovoi tekhniki. Trudy [All-Union Scientific Research Institute of Drilling Techniques. Transactions]
Trudy VNIIGAZ (16c)	Vsesoiuznyi nauchno-issledovatel'skii institut prirodnykh gazov. Trudy [All-Union Scientific Research Institute of Natural Gas. Transactions]
[Trudy] VNIMI (16h)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii marksheiderskii institut. (Trudy) [All-Union Mine Surveying Scientific Research Institute. (Transactions)]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
Trudy VSEGINGEO (12c)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy [All-Union Scientific Research Institute of Hydrogeology and Engineering Geology. Transactions]
Trudy VZEI (16e)	Moscow. Vsesoiuznyi zaochnyi energeticheskii institut. Trudy [All-Union Correspondence Institute of Power Engineering. Transactions]

TSement (16d)	TSement [Cement]
TSitologiia (13c)	TSitologiia [Cytology]
Uch. zap. IMO (6)	Moscow. Institut mezhdunarodnykh otnoshenii. Uchenye zapiski [Institute of International Relations. Studies]
Uch. zap. CHNIIIALIE (4a)	Cheboksary. Chuvashskii nauchno-issledovatel'skii institut iazyka, literatury, istorii i ekonomiki. Uchenye zapiski [Chuvash Scientific Research Institute of Language, Literature, History, and Economics. Studies]
Uch. zap. Chit. gos. ped. inst. (1a)	Chita. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Uch. zap. Dal'ne-vost. gos. un. (1a)	†Vladivostok. Dal'nevostochnyi universitet. Uchenye zapiski [Far Eastern University. Studies]
Uch. zap. Kaf. ob-obshchestv. nauk vuz. g Len. Filos. (3a)	Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada; Filosofiia [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education; Philosophy]
Uch. zap. Penz. inzh.-stroi. inst. (16d)	† Penza. Inzhenerno-stroitel'nyi institut. Uchenye zapiski [Civil Engineering Institute. Studies]
Uch. zap. Petrozav. gos. un. (1a)	Petrozavodsk. Universitet. Uchenye zapiski [University Studies]
Uch. zap. Tadzh. un. Trudy Kaf. inostr. iaz. (11a)	† Dushanbe. Universitet. Uchenye zapiski. Kafedra inostrannykh iazykov. Trudy [University. Studies. Department of Foreign Languages. Transactions]
Ugol' (16h)	Ugol' [Coal]
Ugol' Ukr. (16h)	Ugol' Ukrainy [Coal of the Ukraine]
Ukr. fiz. zhur. (13f)	Ukrains'kyi fizychnyi zhurnal [Ukrainian Physical Journal]
Urologiia (14a)	Urologiia [Urology]
Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Usp. sovr. biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Vech sred shkola (8a)	Vecherniaia sredniaia shkola [Evening Secondary School]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. AN SSSR (1a)	Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Vest. derm. i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Vest. mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest. Mosk. un. Ser. 1: Mat., mekh. (13e)	Moscow. Universitet. Vestnik. Seriia 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
Vest. TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii zheleznodorozhnogo transporta. Vestnik [All [illegible]
Vestsi AN BSSR. Ser. biial. nav. (13c)	
Veterinariia (15b)	
Vnesh. torg. (5a)	
Voen.-ist. zhur. (4a)	
Voen.-med. zhu (14a)	
Voen. vest. (1	
Voen. znan. (1	
Vop. arkh. (4a)	
Vop. filos. (3a	
Vop. gidr. (16	
Vop. iaz. (11a)	

Vop. ist. (4a)	Voprosy istorii [Problems of History]
Vop ist. KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Vop kur., fizioter. i lech. fiz. kul't. (14e)	Voprosy kurortologii, fizioterapii i lechebnoi fizicheskoi kul'tury [Problems of Resort Therapy, Physical Therapy, and Exercise Therapy]
Vop. med khim. (14f)	Voprosy meditsinskoi khimii [Problems of Medical Chemistry]
Vop onk (14e)	Voprosy onkologii [Problems of Oncology]
Vop. pit. (13c)	Voprosy pitaniia [Problems of Nutrition]
Vop. raket. tekh. (16b)	Voprosy raketnoi tekhniki, sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering, Translations and Surveys of Foreign Periodical Literature]
Vop rent i onk (14a)	Voprosy rentgenologii i onkologii [Problems of Roentgenology and Oncology]
Vsem. prof dvizh (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Vych tekh i vop. prog (13e)	Vychislitel'naia tekhnika i voprosy programmirovaniia [Computer Technology and Programming Problems]
Za tekh prog. (16a)	Za tekhnicheskii progress [For Technological Progress]
Zakup. sel'khoz. prod. (5a)	Zakupki sel'skokhoziaistvennykh produktov [Purchases of Agricultural Products]
Zap Kir otd Vses min. ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo. Kirgizskoe otdelenie. Zapiski [All-Union Mineralogical Society, Kirghiz Branch. Annals]
Zap LGI (16h)	Leningrad. Gornyi institut. Zapiski [Institute of Mining. Records]
Zarub. radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
Zav. lab. (16h)	Zavodskaia laboratoriia [The Factory Laboratory]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhur anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Zhur. eksp. i klin. med. (14a)	Zhurnal eksperimental'noi i klinicheskoi meditsiny [Journal of Experimental and Clinical Medicine]
Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zhur. Mosk Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Zhur. nevr. i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zhur. tekh. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zool zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

[illegible] on the tone of cerebral [illegible], V. I. [illegible]

[illegible] THERAPY

[illegible] regularly at the [illegible]

[illegible]

[illegible] Azerb. med.

[illegible] INFLAMMATION

[illegible] stimulating from [illegible] A. A.

[illegible] stimulating from [illegible] A. A.

[illegible] AND [illegible]

[illegible] of the muscular [illegible]

[illegible] types of resinous matter. [illegible]

[illegible] Koch, P. P. [illegible] Biol. nauki 19 no. 12 [illegible]

[illegible] tumors of the uterine [illegible]

[illegible] MIKHAIL VLADIMIROVICH, 1884-1964

[illegible]

[illegible] for the production of alco- [illegible] Moskva, Izd-vo "Mashinostroenie," [illegible]

[illegible] OF DEATH

[illegible] of missing persons [illegible]

[illegible]

[illegible] of the reticuloendothe- [illegible] complicated by [illegible]

[illegible] of electrolyte and water [illegible]

[illegible] OF LIGHT

[illegible] absorption and spatial [illegible]

[illegible] see Dissertations, [illegible]

ACADEMY OF SCIENCES OF THE SOVIET UNION

Visit of the delegation of the Academy of Sciences of the U.S.S.R. to the Ukraine. Dop. AN URSR no. 8:1114-1115 '64

ACADEMY OF SCIENCES OF THE TAJIK S.S.R.

Principal trends of research and the structure of the Academy of Sciences of the Tajik S.S.R. Vest. AN SSSR 34 no. 6:3-11 [illegible] '64.

ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.

Election of academicians, corresponding members and directors of the institutes of the Academy of Sciences of the Ukrainian S.S.R. Dop. AN URSR no. 8:110 - 1111 '64

Visit of the delegation of the Academy of Sciences of the U.S.S.R. to the Ukraine. Dop. AN URSR no. 8:1114-1115 '64

ACADEMY OF SCIENCES OF THE U.S.S.R.

Annual General Meeting of the Department of Biochemistry, Biophysics, and the Chemistry of Physiologically Active Compounds of the Academy of Sciences of the U.S.S.R. held on January 20-21, 1964. Izv. AN SSSR Ser. khim. no. 7:1360-1363 Jl '64.

Appointments and transfers. Vest. AN SSSR 34 no. 6:100 [illegible] '64.

Organizational resolutions of the Presidium of the Academy of Sciences of the U.S.S.R. Vest. AN SSSR 34 no. 7:131 [illegible] '64

Pavilions of the Academy of Sciences of the U.S.S.R. at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1964. V. A. Krasnov. Inform biul VDNKh no. 2 [illegible] '64.

ACADEMY OF SCIENCES OF THE U.S.S.R.—BIBLIOGRAPHY see Bibliography—Academy of sciences of the U.S.S.R.

ACADEMY OF SCIENCES OF THE UZBEK S.S.R.

Kh. M. Abdullaev Geological Institute of the Academy of Sciences of the Uzbek S.S.R., 20th anniversary of the Academy of Sciences of the Uzbek S.S.R. Uzb. geol. zhur. [illegible] '64.

ACCELERATION—PHYSIOLOGICAL EFFECT

Reactivity of the animal body to narcotics following a prolonged effect of lateral acceleration. V. E. Belai, P. V. Vasil'ev, S. P. Kolchin. Farm i toks. 26 no. 5 559-563 S-O '63.

ACCELERATION (PHYSIOLOGY)

Effect of gravitational overloading on the structure of the vascular system. M. G. Privez. Arkh anat. gist i embr 45 no 11:3-13 N '63

ACCOUNTING
(see also subdivision under Donetsk Province; Germany, East; Lower Volga Economic region; North Caucasus Economic region; Rumania)

Accounting for expenditures in auxiliary production. I. Mitelkovskii. Bukhg uchet 40 no. 12 45 47 D '63.

Daryabnikov, E. L., A. N. Kashaev, and I. A. Firsova. [Accounting in state commerce] Bukhgalterskii uchet v gosudarstvennoi torgovle. Moskva, Ekonomika, 1964. 446 p.

New documentation for the accounting of fixed assets. V Kukin. Vest. stat. no. 7:80-82 '64

New standard instruction on the accounting for production in industrial enterprises G Savikina. Vest. stat no. 7:11-19 '64.

Registration accounting and payments for goods sold on credit. V. Stepanov and others. Bukhg uchet 20 no. 12:36-38 D '63.

Review of newspapers. Bukhg. uchet 20 no 12:59-63 D '63.

Simplifying and mechanizing original accounting. V. Sinavina, K. Karibaev. Bukhg uchet 20 no. 12:47-50 D '63

ACCOUNTING—BIBLIOGRAPHY see Bibliography—Accounting

ACCOUNTING—STUDY AND TEACHING see subdivision under Ukraine

ACCOUNTING MACHINES

Kokotkin, V. L., and others. [Design and repair of calculating and punched card machines; perforators, controllers, and sorting machines] Konstruktsiia i remont schetno-perforatsionnykh mashin; perforatory, kontrol'niki i sortiroval'nye mashiny. Moskva, Gosstatizdat.
Pt. 1. 1963. 166 p.

ACENAPHTHENE CRYSTALS—GROWTH

Growing of acenaphthene crystals and their piezoelectric properties. Chzhan Lo-vei [Chang Lo-wei], IU. S. Likhacheva, G. F. Dobrzhanskii. Rost krist. 4:81-84 '64.

ACETALDEHYDE

Aryl-β-amino acids. Part 4: V. M. Rodionov reaction with some aryl aliphatic aldehydes. Synthesis of δ-[p-di(2-chloroethyl)aminophenyl]-β-aminovaleric acid. N. G Chernova, E I Rybkina, A. IA. Berlin. Zhur. ob. khim. 34 no 7:2129-2133 Jl '64

Reactions of dicyanodiamide with acetaldehyde and chloral. A. E. Kretov, G. V. Tikhonova. Zhur. ob khim. 34 no. 7:2426-2430 Jl '64.

ACETALS

Exchange reaction of acetals and their halo derivatives with Iotsich complex. M. R. Kulibekov. Dokl. AN Azerb. SSR 20 no. 5:15-21 '64.

ACETANILIDE

Synthesis of some substituted anilides of benzoyl- and methoxybenzoylacetic acids. M. G. Imaev. Zhur. ob. khim. 34 no. 7:2328-2332 Jl '64.

ACETIC ACID

Catalytic ketonization of acetic acid over a mixed $CaCO_3$-$LiCO_3$ catalyst. A. M. Rubinshtein, V. I. IAkerson, L. I. Lafer. Kin. i kat. 5 no. 2:310-323 Mr-Ap '64.

Chloromethylation of esters of phenoxyacetic and β-(phenoxy)-propionic acids. A. A. Aroian, V. V. Darbinian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1:50-67 '63.

Effect of complex-forming substances on the magnitude of the tissue dose of radiation in the kidneys following administration of radioactive substances. L. A. Il'in and others. Med. rad. 8 no. 12:43-47 D '63.

Obtaining trichloroacetic acid from tetrachloroethylene. V. P. Dorokhovich, O. O. Proshkin. Khim prom [Ukr] no. 3:24-27 Jl-S '63.

Preparation of 2-diethylaminoethyl est
γ-chlorocrotylacetic acids. M. T. D
Zalinian, S. V. Arakelian. Izv. AN Ar
nauki 16 no. 1:43-46 '63.

Rearrangement of α-trialkylsiloxyvinylalk
trialkylsilylacetic acid esters. IU I. Ba
Burlachenko, I. F. Lutsenko. Dokl. AN S
1[illegible]

Sy

55 [illegible] no. [illegible]

ACETOACETIC ACID

Chloromethoxymethylation and conversions of products obtained. Report No. 4: Action of a chloromethylating mixture on ethyl esters of α-arylacetoacetic acids. V. V. Dovlatian, D. A. Kostanian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:559-563 '63.

ACETONE

Acetone method of determining acids in hydrazine salts. V. M. Aksenenko, L. G. Fedotova. Zav. lab. 30 no. 6: 671-672 '64.

Methodology for rapid determination of acetone and esters in the air of industrial premises. E. A. Mel'nikova. Lab delo no. 7:423-425 '64

Second virial coefficient of vapors and their mixtures. Part 4. Sh. D. Zaalishvili, Z. S. Belousova. Zhur. fiz. khim. 38 no. 2:503-506 F '64.

ACETOPHENONE

Polarographic study of some derivatives of 4-acetylbiphenyl and 2-acetylfluorene. V. D. Bezuglyi, L. A. [illegible] Zhur. ob. khim. 34 no. 7 2103-2107 Jl '64

[illegible] Azer. khim. zhur. no 5: [illegible]

ACETYLCHOLINESTERASE

Comparative [illegible] of the nuclei of specific [illegible] of the brain in a [illegible] Biul. eksp. biol. i med. [illegible] no. 10 100-105 O '63.

ACETYLENE

[illegible] ethoxyacetylene as [illegible] I. V. Iurova [illegible] 203-206 Jl '64

Highly effective [illegible] for obtaining acetylene by electro-[illegible] petroleum emulsions. L. V. Semenov, V. P. [illegible], O. M. Chuburova. Nefteper. i neftekhim. [illegible] 29-32 '64.

[illegible] the electric cracking of liquid [illegible] I. S. [illegible], F. IA. Grodzinskii [illegible] no 2 47-49 '63

Obtaining acetylene through the oxidation pyrolysis of methane-propane-butane mixtures Gaz prom 7 no 3 36-41 '62

[illegible] in the dissolution of iron [illegible] acid. [illegible] V. Rudenko, [illegible] 33 no. 2 494-496 F '64.

[illegible] speed of propagation of a flame and the [illegible] in the decomposition of pure acetylene in vertical tubes. B. V. Ivanov, S. M. Kogarko [illegible] 2 104-106 Mr-Ap '64

ACETYLENE—SPECTRA

[illegible] resonance spectra of some [illegible] disubstituted acetylenes V. I. [illegible] Zhur. fiz. khim. 38 no 2 469-471 F '64

ACETYLENE COMPOUNDS

[illegible] to vinylisopropenylacetylene. S. I. Sadykh-zade and others Azerb. khim. zhur. no 5: 17-4[illegible] '63.

[illegible] Report No. 1. Synthesis of pyridyl-[illegible] I. I. Kotliarevskii and others [illegible] no 9 60-67 '62

ACIDS

[illegible] method of determining acids in hydrazine salts V. [illegible], I. G. Fedotova Zav. lab 30 no 6 671-672 '64

Extraction of double-base acids by liquid extraction B. S. Kriuchkov and others. Khim. i tekh. topl. i masel 9 no. 4:6-9 Ap '64.

ACIDS, FATTY

Content of polyunsaturated fatty acids in the blood serum of patients with atherosclerosis. M. V. Bavina, N. M. Lobova. Kardiologiia 2 no. 6:59-66 N-D '62.

Determination of fatty monobasic and dibasic acids in the mustard cake by the paper chromatography method N. K TSvetkova, N. K Budnikova Trudy Astr tekh inst ryb prom i khoz no 8:9-13 '62

Determination of lower fatty acids and their ethyl esters by gas-liquid chromatography. E Z. Druskina and others Gidroliz i lesokhim. prom 17 no. 3:15-17 '64

Low-molecular C_1-C_4 fatty acids separated from the waste waters from the manufacture of synthetic fatty acids. V. A. Sherstneva, L. I Gushchina, P. N. Miloserdov. Masl-zhir prom 30 no 7 36-37 Jl '64.

ACIDS, INORGANIC

Acidity function of the system $P_2O_5 - H_2O$. A. I. Gel'bshtein and others. Zhur. neorg. khim. 9 no. 6: 1502-1505 Je '64.

ACIDS, ORGANIC

Content of oxygen and organic acids of blood in the terminal state caused by bilateral pneumothorax and in the following restoration of life functions of the organism. Sh. S. Machavariani. Soob. AN Gruz. SSR 33 no 3 565-572 Mr '64

Effect of presowing treatment of cornseeds with succinic acid on the organic acid metabolism A. A. Zemlianukhin, R. V. Simonova. Nauch. dokl. vys. shkoly, biol. nauki no. 3:127-134 '64.

Gorodetskii, A. A., and others. [Radiation-protective properties of arylamides and arylhydrazides of thiocarboxylic acids] Protivoluchevye svoista arilamidov i arilgidrazidov tiokarbonovykh kislot. Kiev, "Naukova dumka," 1964. 110 p.

Kinetics of polycondensation of hydrazides of dibasic carboxylic acids with dicarboxylic acids K. A Korniev, V A. IAnchevs'kyi, A. P. Hrlekov. Dop. AN URSR no. 8:10 0-1084 '64

ACONITINE

Emetic effect of apomorphine, morphine and aconitine in various types of administration. L. L. Grechishkin, V. E. Ryzhenkov. Farm. i toks. 26 no. 5 578-584 S-O '63.

ACOUSTIC NERVE

Closing of conditioned stimuli of various sides to the unconditioned stimulus of one side I. V. Andguladze Soob. AN Gruz SSR 33 no 3 695-700 Mr '64

Primary evoked potentials between different levels of the primary auditory zone of the cerebral cortex. O. F. Dembnovets'kyi. Fiziol. zhur. 10 no 1 25-30 '64.

ACOUSTICAL MATERIALS—TESTING

Investigating the resistance to fungi of the acoustical materials based on polyvinyl chloride resins M. I. Palei and others Plast. massy no 2 68-69 '64

ACRIDINE

Kinetics and mechanism of the azo coupling of 9-methylacridine and iodomethylate of 9-methylacridine I. M. Mishina, L. S. Efros Zhur. ob. khim. 34 no 7. 2358-2366 Jl '64.

N-oxides of acridine derivatives containing a bis-(β-chloroethyl) amino group Z. V. Pushkareva, Z. P. Poniugalova, R. Kh. Batulina. Zhur. ob. khim 34 no. 7 2475-2476 Jl '64

ACRIDINE ORANGE

Effect of acridine orange on the incorporation of S^{35} methionine in the cells of tissue cultures. A. V. Zelenin, E. A. Liapunova Dokl. AN SSSR 158 no 1 221-224 S-O '64

Studying the interaction of deoxyribonucleic acid with Acridine Orange by the method of polarized luminescence. E. V. Anufrieva, M. V. Vol'kenshtein, T. V. Sheveleva Biofizika 7 no 5:554-560 '62

ACRYLIC ACID

Grafting of polyacrylate on viscose fiber. N. L. Tutaeva, T. E. Lipatova, IU. S. Lipatov Dokl AN BSSR 8 no. 2: 108-110 F '64

Selenium-containing derivatives of acrylic and methacrylic acids. A. N. Pudovik, E. I. Kashvarova. Dokl. AN SSSR 158 no. 1 167-169 S-O '64.

Spontaneous formation of large oriented structures in a nonregular copolymer of the diethyl ester of vinylphosphinic acid and acrylic acid V. A. Kargin, A. A. Efendiev, Z. IA. Berestneva. Dokl. AN SSSR 157 no. 1 125-126 Jl '64

Synthesis of N-aryl-β-amino acids in combining methyl acrylate with some aromatic amines R. Baltrusis, A. Maciulis, A. Purenas Trudy AN Lit. SSR. Ser. B no. 1:169-174 '62.

ACRYLONITRILE

Calorimetric study of the radiation-induced solid phase polymerization of acrylonitrile at 135°K D. A. Kritskaia and others. Izv AN SSSR Ser. khim no. 7:1356 Jl '64.

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 19: Chloroarylation of α-chloroacrylonitrile. N. O. Pastushak, A. V. Dombrovskii, L. I Rogovik. Zhur. ob. khim. 34 no 7.2243-2246 Jl '64.

Properties of vulcanizates from butadiene-nitrile rubber combined with thermosetting resins B. N. Dinzburg, B. A. Safrai, N. K. Baramboi Kauch. i rez 23 no 7 11-15 Jl '64

Use of acrylonitrile for blocking the sulphydryl groups of proteins. E. D. Levin, V. M. Stepanov Zhur. ob. khim. 34 no 7:2468 Jl '64

ACRYLONITRILE POLYMERS

Structural changes of polyacrylonitrile fibers in the process of forming. S. I. Slepakova, B. E. Geller. Khim. volok. no. 3:7-10 '64.

ACRYLONITRILE POLYMERS—ELECTRIC PROPERTIES

Study of the electric properties of polyacrylonitrile in the process of its thermal treatment. A. V. Airapetiants and others. Izv. AN SSSR Ser. khim. no. 7:1328-1330 Jl '64.

ACTINOMETRY see subdivision under Antarctic regions

ACTINOMYCES

(see also subdivision under Baraba Steppe)

Some properties of glycerol teichoic acids isolated from Actinomyces rimosus T-118 and Actinomyces antibioticus 39 I. B. Naumova, M. Sh. Zaretskaia Dokl. AN SSSR 157 no 1 207-210 Jl '64.

Some properties of ribitol teichoic acid isolated from Actinomyces violaceus. I. B. Naumova, M. Sh. Zaretskaia. Dokl. AN SSSR 156 no. 6:1464-1467 Je '64.

ACTINOMYCOSIS

Etiology of actinomycosis; a review of literature. IU. S. Agarunova, O. B. Minsker, T. G. Suteeva. Vest. derm. i ven. 38 no. 1:34-41 Ja '64.

ACTIVATED CARBON see Carbon, Activated

ACTIVATION ENERGY

Activation energy and the mechanism of self diffusion of nickel. A. IA. Shiniaev. Trudy Inst. met. no. 14:78-85 '63.

ACTIVITY COEFFICIENTS

Aqueous solutions of strong electrolytes. Part 1. A. V. Storonkin, M. D. Lagunov, R. V. Prokof'eva. Zhur. fiz. khim. 38 no. 2:509-511 F '64.

Determination of the activity coefficient of uranyl nitrate in dilute aqueous solutions by the extraction method [with summary in English]. V. A. Mikhailov, V. G. Torgov. Zhur. fiz. khim. 38 no. 2 280-286 F '64.

ACTOMYOSINS

Dynamics of the content of the contractile protein actomyosin in the myometrium during various periods of pregnancy. N. S. Baksheev, E. T. Mikhailenko Akush. i gin 39 no. 5:21-26 S-O '63

ACTORS see subdivision under Moscow

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ADAMANTANE—THERMODYNAMICS

Measurement and calculation of certain thermodynamic characteristics of adamantane and hexamethylenetetramine K. V. Mirskaia. Kristallografiia 8 no 2:225-228 Mr-Ap '63

ADAMOVICH, ALIAKSANDR MIKHAILOVICH, 1927-

Mother and son. I. Pitliar Nov. mir. 39 no. 12:233-236 D '63.

ADAPTATION (BIOLOGY)

Compensatory and adaptational processes in the lungs in tuberculosis. A. A. Burkin. Arkh. pat. 26 no. 2:36-43 '64.

Kinetics of the accumulation of substances in biological systems under the conditions of their free penetration and subsequent disintegration. V. A. Filov. Dokl. AN SSSR 157 no. 4:1006-1009 Ag '64.

Some adaptive characteristics of the extremities of reindeer N. M. Ermolova Biul. MOIP. Otd biol [illegible] no. 3 46-60 My-Je '63

ADAPTIVE CONTROL SYSTEMS

Adaptive control system with a model. I. N. Krutova, V. IU. Rutkovskii. Izv. AN SSSR. Tekh. kib. no 1:121-131 Ja-F '64.

ADDITION REACTIONS

Addition of nucleophilic reagents to diethyl ester of γ,γ-dimethylallenylphosphinic acid. A. N. Pudovik, N. G. Khusainova, I. M. Aladzheva. Zhur. ob. khim. 34 no. 7:2470-2471 Jl '64.

ADEN

Aden citadel. O. Gerasimov. Nov. vrem. 22 no. 31: 21-24 Ag '64.

ADEN—POLITICS AND GOVERNMENT

Centers of international tension; Aden. V. Grigor'ev. Mezhdunar. zhizn' 11 no. 9:146-148 S '64.

ADENOSINETRIPHOSPHATASE

Activity of adenosine triphosphate-phosphohydrolase in some tissues of rabbits with alloxan diabetes. A. H. Oganesian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2: 33-38 F '64.

ADENOSINETRIPHOSPHORIC ACID

Content of adenosine triphosphoric acid and creatine phosphate in the brain and muscles of animals adapted and unadapted to cold. L. A. Guseva. Vop. med. khim. 9 no. 2:160-164 Mr-Ap '63.

ADENOVIRUS INFECTIONS

Laboratory diagnosis of trachoma and adenovirus diseases of the conjunctiva and cornea N. S. Zaitseva, V. O. Andzhelov. Lab delo no. 7:396-399 '64.

ADHESION

Effect of erythrocytes on the adhesiveness of blood platelets. B. I. Kuznik, V. P. Mishchenko Lab delo no. 7.441-443 '64.

Role of adhesion in the phenomenon of the reinforcement of elastomers S. S. Voiutskii, V. G Raevskii, S. M. IAgniatinskaia Kauch i rez. 23 no 7 16-20 Jl '64

ADHESIVES

Adhesive composition based on furfurylhydroxysilanes. I. V. Kamenskii, I. K. Sanin, V. K. Komlev. Plast. massy no. 2:26-27 '64.

ADIPIC ACID

Kinetics of conversion of 6,6-nitrohydroxyiminohexanoic acid to adipic acid. I. IA. Lubianitskii, R. V. Minati, M. S. Furman. Zhur. fiz. khim. 36 no. 3:667-674 Mr '62.

ADIPOSE TISSUES

Lipolytic activity of adipose tissue in experimental alloxan diabetes. N. K. Davtian. Biul. eksp. biol. i med. 56 [i.e. 58] no. 10:29-32 O '63.

ADMINISTRATIVE LAW

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Collection of normative enactments on Soviet administrative law] Sbornik normativnykh aktov po sovetskomu administrativnomu pravu. Sost. A. G. Khazikov. [Petrozavodsk] Vysshaia shkola, 1964. 679 p.

ADMINISTRATIVE PROCEDURE see subdivision under Europe, Eastern

[illegible] CORTEX
[illegible] and carbohydrate metabolism. S. G. [illegible] 26 no. 2:274-295 Mr-Ap '63.

[illegible] of the adrenal cortex in benign and [illegible] of the uterus and ovaries. D. M [illegible] V. I. Vlasov [illegible]. Vop. onk. 10 no. 3: [illegible] '64

[illegible] changes in the adrenal cortex in experimental [illegible]. L. I. Kvachadze. Trudy [illegible] AN Gruz SSR 11:85-101 [illegible]

[illegible] CORTEX—DISEASES
[illegible] following cesarean section [illegible]. M. M. [illegible]. Akush. i gin. [illegible]

[illegible] GLANDS
[illegible], M. [illegible] [Adrenal glands and vaccination] Nad-[illegible]. Moskva, Meditsina, 1964.

[illegible]

[illegible] V. D. Antonov, [illegible]

[illegible] GLANDS—EXCRETION
[illegible] and some steroid hormones of [illegible] the content of mineral components [illegible]. M. N. Levchenko. Fiziol. [illegible] '64.

[illegible] GLANDS—SURGERY
[illegible] in the prevention of the toxic [illegible] and adrenaline in adrenalectomized [illegible]. Farm. i toks. 26 no. 2:201-205 [illegible]

[illegible]
[illegible] and histamine in the [illegible] of conditions and [illegible] dogs. I. I. [illegible] no. 1:78-[illegible]

[illegible] on the mitotic [illegible] of reproductive organs and [illegible] glands [illegible]. Dokl. AN SSSR 157 [illegible] Ag '64

[illegible] on the mitotic cycle of the intestinal [illegible]. O. I. Epifanova, M. [illegible] Ag '64.

[illegible] the arterial [illegible] introduction of adrenaline [illegible]. V. A. [illegible]. Fiziol. zhur. 10 [illegible]

[illegible] EFFECT
[illegible] blood sugar level in animals [illegible] complicated [illegible]. Vop. [illegible]

[illegible] THERAPY
[illegible] in the prevention of the toxic [illegible] and adrenaline in adrenalectomized [illegible]. Farm. i toks. 26 no. 2:201-205 [illegible]

[illegible] IN THE BODY
[illegible] in the pathogenesis of [illegible]. I. K. Shkhvatsabaia, [illegible] 4 no. 6:27-30 N-D [illegible]

[illegible] HORMONES
[illegible] effects in the [illegible] sugar level in schizophrenia. [illegible] 64 no. 9:1398-[illegible]

[illegible] and some steroid hormones of [illegible] the content of mineral components [illegible]. M. N. Levchenko. Fiziol. [illegible] '64.

[illegible] the endocrine system in [illegible] of schizophrenia. Report [illegible] of the endocrine [illegible] clear forms of schizophrenia. [illegible] 64 no. 9:1398-[illegible]

[illegible] adrenal cortex preparations in the treatment of [illegible] of the internal female genitalia [illegible]. Akush. i gin. 40 no. 3:120-123 [illegible]

[illegible] in the prevention of the toxic [illegible] and adrenaline in adrenalectomized [illegible]. Farm. i toks. 26 no. 2:201-205 [illegible]

[illegible]
[illegible] gasoline from the surface of [illegible] waxed product. A. M. Kuliev, [illegible] R. A. [illegible]. Gaz prom. 9 no. 4: [illegible]

ADSORPTION
Adsorption of hydrogen sulfide by grey-green clays of Odessa Province. G. I. Dmitrievskii, A. V. Grineva, V. V. Pilipenko. Nauch. ezheg. Khim. fak. Od. un. no. 1:38-16 '61

Adsorption of methane from a hydrazoic mixture using zeolites. I. A. Bobrova, M. A. Nirenberg. Nefteper. i neftekhim. no. 2:32-35 '64.

Adsorption of sulfur in iron in alkali solutions. S. A. Rozentsveig, N. IU. Ufliand, Z. V. Shcherbakova. Zhur. fiz. khim. 36 no. 3:557-561 Mr '62.

All-Union conference on the adsorption of surfactants and its significance in petroleum production. A. Gonik, L. Kravchenko. Neft. khoz. [illegible] no. 7:70-71 Jl '64

Effect of certain physicochemical factors on the adsorbability of chromium by activated carbon. K. B. Lebedev, [illegible]. Trudy Inst. met. i obog. AN Kazakh. SSR 8:81-96 '61

Improved petroleum absorber for the adsorption of benzene hydrocarbons. IU. N. Garber and others. Koks i khim. no. 6:43-46 '64

Mechanical and chemical dissociation of liquids on freshly formed surfaces of solids. G. S. Khodakov. Dokl. AN SSSR 156 no. 6:1416-1419 Je '64

Nuclear magnetic resonance of protons at 93°K in water absorbed on silica gel. V. I. Kvlividze. Dokl. AN SSSR 157 no. 1:158-161 Jl '64

Properties of the surface of a freshly cleft graphite. Part 4. N. N. Dobrovol'skii and others. Zhur. fiz. khim. 38 no. 2:506-508 F '64.

Sorption of water on aluminosilica gels at elevated temperatures. G. M. Panchenkov and others. Zhur. fiz. khim. 36 no. 3:641-643 Mr '62.

Study of the precipitation and adsorption series of cations on various [illegible]. M. S. Fortunatov, S. O. Vartapetova. Dop. AN URSR no. 8:1088-1091 '61

Studying the adsorption of chlorophyll on organic and inorganic carriers. I. I. Nekrasov, N. I. Kobozev, G. G. Komissarov. Biofizika 7 no. 5:569-570 '62

AERIAL BOMBING see Bombing, Aerial

AERIAL PHOTOGRAMMETRY
Adjusting the plane coordinates of the points of photogrammetric nets. N. D. Kargopolov. Geod. i kart. no. 4:16-25 Ap '64.

Analyzing the economic efficiency of the utilization of [illegible] and SPR instruments. A. A. Timofeev. Geod. i kart. no. 4:55-58 Ap '64.

Determining the elements of mutual orientation of aerial photographs by means of an electronic computer. V. B. Dubinovskii. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:99-108 '63.

Effect of an enlargement of a photograph on certain measurement features of aerial photographs. V. F. Deineko. Geod. i kart. no. 5:42-10 My '64.

Measuring areas on aerial photographs. L. E. Smirnov, T. A. Cheremaeva. Vest. LGU 18 no. 12:128-140 '61.

Single multiple-point interpolation in space. G. V. Romanovskii. Geod. i kart. no. 4:39-46 Ap '64.

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL PHOTOGRAPHY IN GLACIOLOGY
Aeromethods in polar sea ice studies. V. I. Avgevich. Izv. Vses. geog. ob-va 96 no. 3:197-205 My-Je '64

AERODYNAMIC HEATING
Integral equations for the problem of unsteady ablation of glassy materials. F. M. Shakhov. Inzh. zhur. 4 no. 2:251-253 '64.

Temperature profiles in bodies moving at high altitudes with hypersonic speeds. I. N. Murzinov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:146-150 Jl-Ag '64.

Unsteady melting of bodies by aerodynamic heating. S. K. Matveev. Vest. LGU 19 no. 13:159-162 '64.

AERODYNAMIC LOAD
Pressure distribution over surfaces of ellipsoids. A. I. Shvets. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 4:42-48 Jl-Ag '64.

AERODYNAMIC MEASUREMENTS
Gorlin, S. M., and I. I. Slezinger. [Aeromechanical measurements, methods and instruments] Aeromekhanicheskie izmereniia, metody i pribory. Moskva, Izd-vo "Nauka," 1964. 720 p.

AERODYNAMICS
Entry of a winged aircraft in a vertical air gust. IU. A. Val'kov. Izv. vys. ucheb. zav.; av. tekh. 6 no. 4:3-14 '63

Flow of wind around hollows on railroads and highways. I. G. Loginenko. Izv. Sib. otd. AN SSSR no. 12:28-34 '63.

Hilbert's method for solving Boltzmann's kinetic equation. V. V. Struminskii. Dokl. AN SSSR 158 no. 1:70-73 S-O '64.

AERODYNAMICS, HYPERSONIC
Hypersonic equilibrium gas flow about a circular cone at the angle of attack. IA. G. Sapunkov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:4-8 Jl-Ag '64.

Temperature profiles in bodies moving at high altitudes with hypersonic speeds. I. N. Murzinov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:146-150 Jl-Ag '64.

AERODYNAMICS, SUPERSONIC
Bottom pressure beyond the wedge at the angle of attack in a supersonic gas flow. V. IA. Neiland, L. A. Sokolov. Inzh. zhur. 4 no. 2:247-250 '64.

Impact of a shock wave against a wedge moving at supersonic speed. A. I. Golubinskii. Prikl. mat. i mekh. 28 no. 4:778-779 Jl-Ag '64.

Method for calculating a supersonic flow about blunt bodies with a detached shock wave. S. M. Gilinskii, G. F. Telenin, G. P. Tiniakov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:9-28 Jl-Ag '64

Supersonic flow about ellipsoids. A. I. Shvets. Izv. AN SSSR. Mekh. i mashinostr. no. 4:29-32 Jl-Ag '64.

Supersonic nonadiabatic perfect gas flow about a flat plate. I. F. Shakhnov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:154-157 Jl-Ag '64.

Supersonic nonequilibrium gas flow past slender solids of revolution. R. A. Tkalenko. PMTF no. 2:132-138 Mr-Ap '64

Three-dimensional flow of a supersonic perfect gas stream about blunt bodies. IU. N. D'iakonov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:150-153 Jl-Ag '64.

AERONAUTICAL SPORTS
(see also subdivision under Udmurt A.S.S.R.)

About courageous and skillful people. M. Meilakhs. Grazhd. av. 21 no. 6:32 Je '64

Attacking records. Kryl. rod. 15 no. 5:1 My '64.

A hard nut. N. Shokhan. Kryl. rod. 15 no. 5:11 My '64.

Honorary titles. M. Sukharev. Kryl. rod. 15 no. 5:7 My '64.

Sportsmen of the first class. Kryl. rod. 15 no. 5:13, 3 of cover My '64.

There is something to rejoice. B. Vasina. Kryl. rod. 15 no. 5:6-7 My '64.

AERONAUTICS—ABSTRACTS
[Air transportation] Ref. zhur.: Vozd. transp. no. 8 Ag '64.

AERONAUTICS—STUDY AND TEACHING
Vast technical knowledge for every pilot. A. Pokryshkin. Komm. Vooruzh. Sil 4 no. 7:32-37 Ap '64.

AERONAUTICS, COMMERCIAL
(see also subdivision under Germany, East)

Aeronautical kaleidoscope. Grazhd. av. 21 no. 6:16-17 Je '64

By the call of conscience. Grazhd. av. 21 no. 6:12-13 Je '64.

From foreign periodicals. Grazhd. av. 21 no. 6:31 Je '64

Guide with skill. B. Evteev. Grazhd. av. 21 no. 6:1-3 Je '64

Readers' letters. Grazhd. av. 21 no. 6:11, 25 Je '64.

AERONAUTICS, COMMERCIAL—MANAGEMENT
Present status and the future of planning. O. Ovchinnikov. Grazhd. av. 21 no. 6:10-11 Je '64

AERONAUTICS, MILITARY—OBSERVATIONS see subdivision under United States

AERONAUTICS, MILITARY—STUDY AND TEACHING
Pilot and modern aviation equipment. Av. i kosm. 47 no. 9:2-5 S '64

AERONAUTICS IN AGRICULTURE
Five steps above the earth. I. Volokitin, L. Malanchev. Grazhd. av. 21 no. 6:8-9 Je '64

Is it possible to spray on dewy flax? V. Berezin, M. Ryzhaia. Grazhd. av. 21 no. 6:22 Je '64

Kazakhstan has introduced it, the Ukraine has not. Why? T. Borodina. Grazhd. av. 21 no. 6:24 Je '64

Potentialities can be found everywhere. E. Voronovich. Grazhd. av. 21 no. 6:26 Je '64

The wide front of mechanization. I. Chalenko, E. Breslavets, M. Kunashev. Grazhd. av. 21 no. 6:25 Je '64

Work with a creative outlook. I. Turkin. Grazhd. av. 21 no. 6:6-7 Je '64

AERONAUTICS IN FORESTRY
Air patrol. I. Osipov. Nov. mir 40 no. 4:157-170 Ap '64.

AERONAUTICS IN GEOLOGY
Evaluating the quality of aerogeophysical surveying. B. V. Shilin. Razved. i okh. nedr 30 no. 2:40-44 F '64.

AERONAUTICS IN METEOROLOGY
Measuring the electric conductivity of the air from an airplane in the free atmosphere. S. I. Zachek. Trudy GGO no. 157:94-120 '64

AEROSOL THERAPY
Aerosol therapy in decreased relative air humidity. A. K. Kiselev. Vop. kur., fizioter. i lech. fiz. kul't. no. 6:557-558 '63.

AEROSOLS
Theory of thermophoresis of large aerosol particles checked by experiment. B. V. Deriagin, IA. I. Rabinovich. Dokl. AN SSSR 157 no. 1:154-157 Jl '64

AEROSOLS—BIBLIOGRAPHY see Bibliography—Aerosols

AEROTHERAPY
(see also subdivision under Moscow Province)

Method of prescribing air baths according to the cooling capacity of the air. I G [illegible] Vop kur fizioter i lech fiz kul't no 6 500-502 '63

Stimulating effect of the wind and mild air impulses on the sensory and motor nervous system in man. V V [illegible] Vop kur fizioter i lech fiz kul't no 6 497-499 '63

AESTHETICS

Art as a form of social consciousness. A IA Zis'. Vop filos. 18 no.7 141-151 '64

The conscious and the "unconscious" in artistic creation. T. F. [illegible] Nauch. dokl. vys. shkoly. Filos. nauki 7 no.1 77-86 '64.

Eliseeva, V.S. [Work, art, science] Trud, iskusstvo, nauka. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no.15)

In the world of aesthetics. Mikh Lifshits. Nov mir 40 no 2 228-251 F '64

Is there progress in art. A V Gulyga. Vop filos. 18 [illegible] '64

Larmin, O. V. [The aesthetic ideal and the present] Esteticheskii ideal i sovremennost'. [Moskva] Izd-vo Mosk. univ., 1964. 153 p.

With the "standard" atilt. L. Shkol'nikov. Mol. komm. no.2:115-122 F '64.

AESTHETICS—DICTIONARIES

Concise dictionary on aesthetics. B L'vov. Nar. obr no 8 119 Ag '64

AESTHETICS—STUDY AND TEACHING

For the harmonious system of aesthetic education. A. P. Maslov. Sred. spets. obr. 11 no.6:39-41 Je '64.

Kirkino students love beauty. R. A. Eroleeva. Sred. spets. obr. 11 no.6:46-49 Je '64.

Let's raise aesthetic education to the level of present-day requirements. Rad shk 42 no 4 19-23 Ap '64

AFFORESTATION see subdivision under China; Latvia

AFRICA—ATMOSPHERIC TEMPERATURE

High temperatures in Africa. L. V. Fadeeva. Trudy NIIAK no.11 35-43 '63.

AFRICA—BIBLIOGRAPHY

Akademiia nauk SSSR. Institut Afriki [Bibliography of Africa; pre-Revolution and Soviet literature in the Russian language, originals and translations] Bibliografiia Afriki; dorevoliutsionnaia i sovetskaia literatura na russkom iazyke, original'naia i perevodnaia. Moskva, Izd-vo "Nauka"

No 1. 1964 275 p

AFRICA—COMMERCE

Economic development of Africa: Market and state management. L. Aleksandrovskaia. Mir ekon. i mezhdunar. otn no.8 16-27 '64

Some aspects of inter-African trade development. E. Korotkova. Vnesh. torg. 44 no.6:7-10 '64.

AFRICA—COMMERCE—JAPAN

Japan and Africa, trade or K Gevandov Az i Afr seg. 8 no.7 54-55 Jl '64

AFRICA—CULTURE

Future of our culture Albakai Usman Az i Afr. seg 8 no.6 38 Je '64

AFRICA—ECONOMIC POLICY

Economic development of Africa: Market and state management. L. Aleksandrovskaia. Mir. ekon. i mezhdunar. otn. no 8:16-27 '64.

AFRICA—FOREIGN ECONOMIC RELATIONS—FRANCE

"By request of the government." L Entin. Az i Afr seg 8 no 7 22-24 Jl '64

Colonialism in a new guise. A. Troshina Mir. ekon. i mezhdunar. otn. no 8:107-112 '64.

AFRICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

The dollar in Africa M Kogan Az i Afr seg. 8 no 7 49-50 Jl '64

AFRICA—INTERVENTION (INTERNATIONAL LAW)

The principle of nonintervention and the peoples of Africa. L. A. Komarova. Uch. zap. IMO no.16:40-48 '63

AFRICA—INVESTMENTS, FOREIGN

Expansion of monopolies in African *markets of machinery* and equipment. A. Zmeev. Vnesh. torg 44 no.7:32-35 '64.

AFRICA—MACHINERY INDUSTRY

Expansion of monopolies in African markets of machinery and equipment. A. Zmeev. Vnesh. torg 44 no.7:32-35 '64.

AFRICA—METALS, RARE AND MINOR

Kolotukhina, S. E., A. E. Pervukhina, and A. V. Rozhanets. [Geology of rare element deposits in Africa and their economic significance] Geologiia mestorozhdenii redkikh elementov Afriki i ikh ekonomicheskoe znachenie. Moskva, Nauka, 1964. 303 p.

AFRICA—PETROLEUM GEOLOGY

Prospecting for oil and gas in Africa in 1962 S I Kalinin Geol nefti i gaza 7 no 12 48-50 D '63

AFRICA—POLITICS

Who arms the racists? V Grigor'ev Az i Afr seg. 8 no 7 57-58 Jl '64

AFRICA—VEGETATION AND CLIMATE

Role of vegetative cover in lateral weathering in the mountain regions of the Liberian Shield. B M Mikhailov. *Dokl. AN SSSR 157 no 4 856-858 Ag '64*

AFRICA—WEATHERING

Role of vegetative cover in lateral weathering in the mountain regions of the Liberian Shield. B. M. Mikhailov. Dokl. AN SSSR 157 no 4:856-858 Ag '64.

AFRICAN ART see Art, African

AFRO-ASIAN PEOPLES' SOLIDARITY CONFERENCE, ALGIERS, 1964

Delegates of the Algerian conference speak Az i Afr. seg 8 no 6 4-5 Je '64

Let's strengthen our unity B Gafurov Az i Afr seg 8 no 6 2-3, 23 Je '64

Resolution of the sixth session of the Council of the Organization of Afro-Asian Solidarity. Az i Afr seg 8 no 6 57-59 Je '64.

AGAIAN, GAZAROS, 1840-1911

About two editions of "Arutiun and Manvel." Kh. S. Sarkisian. Izv. AN Arm. SSR. Obshchestv. nauki no.2 47-56 F '64.

AGE

Influence of the age factor on the clinical aspects and course of the manic-depressive psychosis. F. A Shaibekova. Trudy Gos. nauch.-issl. inst psikh. 40 237-244 '63

AGED—RECREATION

Active rest and the regulation of functional systems during the aging of an organism. I. V Muravov. Teor. i prak. fiz. kul't. 27 no 5 31-37 My '64

AGGREGATES

Dilworth's theorem on partially ordered sets. V. G. Sprindzhuk. Dokl. AN BSSR 7 no.12 803-804 D '63.

Position operatives. L. M. Gluskin. Dokl. AN SSSR 157 no.4:767-770 Ag '64.

Representations of *partially ordered sets*, and topological spaces. V G. Vinokurov. Izv. AN Uz. SSR Ser. fiz.-mat. nauk 7 no 6:5-13 '63.

Sets of values of certain vector functions depending on the systems of the sets. N. I. Glebov. Sib. mat. zhur 5 no.4 778-782 *Jl-Ag '64.*

Uniform and asymptotic approximation by integral functions on unbounded closed sets N U Arakelian. Dokl AN SSSR 157 no 1 9-11 Jl '64

AGGREGATES (BUILDING MATERIALS)
(see also subdivision under Siberia)

Economic effectiveness of producing and using expanded perlite as lightweight aggregate. I. M. Gindina Sbor. trud ROSNIIMS no.25 150-159 '62.

Problems of producing artificial aggregates for concrete. V. V. Isidorov, N. A. Popov, M. P. Elinzon. Stroi. mat. 9 no.6:1-3 Je '63.

Shtrom, V. V. [Equipment for the production of lightweight fillers] Oborudovanie dlia proizvodstva legkikh zapolnitelei. Moskva, Izd-vo "Mashinostroenie," 1964. 246 p.

Study of the kinetics of liquid phase in the production of agloporites based on the electric conductivity of clinkering charges. I. E. Betikov. Stroi. mat. 9 no.6:34-38 *Je '63.*

AGING

Age radiosensitivity of mice of various lines. I. A. Nechaev. Dokl. AN SSSR 158 no.1:214-217 S-O '64.

Changes of the thyroid gland and effect of thyroidin on the *survival of rats of* various ages exposed to total X-irradiation. E. A. Loskutova. Pat. fiziol. i eksp. terap. 6 no.4:54-56 Jl-Ag '62.

Processes of fatigue and recovery during the aging of an organism. V. V. Frol'kis. Teor. i prak. fiz. kul't. 27 no.5:26-29 My '64.

Some ways of motor function involution in man and the measures for its delay. A. V. Korobkov. Teor. i prak. fiz. kul't. 27 no.5:23-26 *My '64.*

Study of tyrosine metabolism as related to *age. G. G.* Gatsko. Vestsi AN BSSR. Ser. biial. nav. no.4:133-134 '62.

AGING—PHYSIOLOGICAL EFFECT

Age-conditioned changes in the main blood *vessels of the* mediastinum of man. A. S. Obysov. Izv. APN no.129 209-213 '63.

AGRICULTURAL ADMINISTRATION see subdivision under Belaya Tserkov' District; Gorkiy Province; Kaluga Province; Kirov *Province; Kochubeyevskoye* District; Krasnyy Kut District, Ukraine

AGRICULTURAL CHEMICALS

Campaign for large-scale chemistry Zakup. sel'khoz prod no.1 1-3 Ja '64

Intensification of agriculture and current problems of agricultural chemistry I. I. Sinagin Agrokhimiia *no 1 5-11 Ja '64*

New preparations. A. G. Zen'kevich. Khim. v sel'. khoz. 2 no.4:56-57 Ap '64.

AGRICULTURAL CHEMISTRY
(see also subdivision under Armenia; Leningrad Province)

Album-propagandist E Evgen'ev Ekon sel'khoz. 35 no 6 117-118 Je '64

Chemistry on the screen. I. Semenikhin. Part. zhizn' no.12 48-49 Je '64.

For a comprehensive use of chemicals. V Kostylev, A. Ivanov, V. Overchuk Ekon sel'khoz 35 no 6 59-65 Je '64

How can chemists help agriculture? D. Koreshkov NTO 6 no.5:9-11 My '64

To the reader. Agrokhimiia no.1 3-4 Ja '64.

AGRICULTURAL CHEMISTRY—RESEARCH

Research on fertilizers and agricultural chemistry in 1963 S. I Vol'fkovich. Agrokhimiia no 1:145-149 Ja '64

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING see subdivision under Stavropol Territory

AGRICULTURAL COLLEGES see subdivision under Moscow

AGRICULTURAL EDUCATION

All-Union seminar on the education in economics at agricultural institutions of higher education. Izv. TSKHA no.6 224-244 '63.

Let's improve the political work in the village. V. Stepnkov. Agitator no.10:6-10 My '64.

Motion pictures in aid of propagandists. P. Moskovskii. Agitator no.10:31-33 My '64.

AGRICULTURAL LAWS AND LEGISLATION
(see also subdivision under Saratov)

Stronger legal protection of land resources needed Sov iust. 28 no 7:1-4 Ap '64

AGRICULTURAL LIBRARIES

Central Agricultural Library. Biul. TSentr. nauch. sel'khoz. bibliot. no.1:3-6 '57.

Collections of the Leningrad Branch of the Central Agricultural Library. Biul. TSentr. nauch. sel'khoz. bibliot. no.1:6-8 '57.

Discussion by readers of foreign literature; practices of the Library of the All-Union Plant Breeding and Genetic Institute. S. Rusakovskii Biul. TSentr. nauch. sel'khoz. bibliot. no.1 40-43 '59.

Plans of the Central Agricultural Library for 1959-1965. Biul. TSentr nauch sel'khoz. bibliot no.1 3-12 '59.

Unified reference and bibliographical apparatus for libraries. Biul. TSentr. nauch. sel'khoz. bibliot. no.1 12-18 '57.

AGRICULTURAL MACHINERY

Agrotechnical evaluation of the equipment for the cultivation of Solonetz soils. M. K. IAgupov. Trudy Biol inst. Sib. otd. AN SSSR no.9:222-228 '62.

Ermichev, V. A. [Methodological manual for calculating mechanical transmissions for machinery; for correspondence students] Metodicheskoe posobie po raschetu mekhanicheskikh peredach v mashinakh dlia studentov-zaochnikov. Perm', Permskii sel'khoz. in-t im. D. N. Prianishnikova, 1963. 109 p.

Lazur, G. L. [Manual for making up sets of agricultural machines] Spravochnik po agregatirovaniiu sel'skokhoziaistvennykh mashin. Alma-Ata, Kazsel'khozgiz, 1963. 66 p.

[DNAL MICROFILM]

[Mechanization in animal husbandry] Mekhanizatsiia v zhivotnovodstve. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1963. 287 p.
(DNAL)

Methods of calculating the needs of collective and state farms for machinery using electronic computers. P V. Pushkareva, L. F Shkredova. Nauch. trudy SibVIM no 1:93-99 '63.

Mikheev, N. V., V. A. Kubyshev, and V. A. Mel'nik. [Tractor-mounted hydraulic systems] Gidravlicheskie navesnye sistemy traktorov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1960. 129 p.

[MICROFILM]

Research work on the increase of the operating speeds of tractor-driven machinery. V. N. Boltinskii. Izv. TSKHA *no.6*:203-216 '63.

Silkin, E. A. [Impact cyclical strength of steels used in [illegible]

AGRICULTURAL MACHINERY—ABSTRACTS

[*Tractors* and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no.8 Ag '64.

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

For farm mechanizers. Inform. biul. VDNKH no 2:32 F '64

AGRICULTURAL MACHINERY—TESTING
(see also subdivision under Chik region, Novosibirsk Province)

Kata, G. M. [Testing agricultural machinery] Ispytaniia sel'skokhoziaistvennykh mashin. Moskva, Mashinostroenie, 1964. 281 p.

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL MICROBIOLOGY—CONGRESSES

All-Union seminar on microbiology of the professors and instructors of agricultural institutions of higher education. Izv. TSKHA no. 6.224-225 '63.

AGRICULTURAL PESTS

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Biologijas instituts. [Forecasting in the protection of plants against diseases and pests] Prognoz v zashchite rastenii ot vreditelei i boleznei. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1964. 269 p. (DNAL)

AGRICULTURAL POLICY
(see also subdivision under European Economic Community Countries; Germany, West)

The Leninist principles of agricultural planning should be strictly observed. Ekon sel'khoz. 35 no 6 8-11 Je '64.

AGRICULTURAL PRICES see subdivision under Armenia

AGRICULTURAL RESEARCH see subdivision under Krasnodar Territory

AGRICULTURAL RESEARCH—CONGRESSES

The June scientific conference of 1963. Izv. TSKHA no. 6.217-220 '63.

AGRICULTURAL WAGES see subdivision under Moldavia

AGRICULTURAL WORKERS see subdivision under Pochinok District

AGRICULTURAL WORKERS—DISEASES AND HYGIENE see subdivision under Pereyaslavskaya (Krasnodar Territory)

AGRICULTURAL WORKERS—EDUCATION AND TRAINING
(see also subdivision under Kirov Province; Turkmenistan)

Learn to count. G. Aminova. Mol. komm. no. 2:76-81 F '64.

[Production administrations and cultural establishments] Proizvodstvennye upravleniia i uchrezhdeniia kul'tury. Moskva, Sovetskaia Rossiia, 1964. 57 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku" no. 9)

AGRICULTURE
(see also subdivision under Kulunda District; Latvia; Mordovia; Nizhneilimsk District; Turkmenistan; Ukraine; Virgin Territory)

Cartography at the service of the chemicalization and intensification of agriculture. M.I.Nikishov. Geod. i kart. no. 4:3-6 Ap '64.

Courage of a scientist. V. Pisarev Nov. mir 40 no. 1:271-272 Ja '64.

Exhibitions and displays of special items. Inform. biul. VDNKH no. 8:22-33 Ag '63.

Introduce energetically all new developments and advanced practices in agriculture. Zemledelie 26 no. 6: 3-6 Je '64.

Lapkes, IA. B. [Intensification and systems of agriculture] Intensifikatsiia sel'skogo khoziaistva i sistemy zemledeliia. Moskva, Ekonomika, 1964. 238 p.

Methods for the estimation of possible changes in the river runoff under the influence of agriculture. A.I. Chebotarev, S I. Kharchenko Meteor i gidrol. no. 7: 27-32 Jl '64.

Reviews E. D. Ravich-Birger. Lab. delo no. 7:446 '64.

Together with the people. Nov. vrem. 22 no. 34:1-2 Ag '64.

Toward abundance on the basis of intensification. G. Zinchenko. Ekon. sel'khoz. 35 no. 6:12-15 Je '64.

AGRICULTURE—ACCIDENTS see subdivision under Alamedin District

AGRICULTURE—ACCOUNTING

Checking the reliability of accounting for planting acreage. G. Makhov. Vest. stat. no. 7:40-46 '64.

"Machine accounting in agriculture" by M. M. Rapoport. Reviewed by I. Koshliak. Vest. stat. no. 8:65-66 '64.

AGRICULTURE—AUDIO-VISUAL AIDS

New motion pictures on agriculture. A. I. Chizhov. Sred. spets. obr. 11 no. 6:27 Je '64.

AGRICULTURE—AUDITING AND INSPECTION
(see also subdivision under Tomsk Province; Zhitomir Province)

From the work practice of the regional government auditing offices of the R S F S R M Koketkin, K. Smirnov. Vest stat. no 7:47-52 '64

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—CONGRESSES

Scientists discuss the problems of agricultural intensification D Kushnarev Ekon sel'khoz. 35 no 6 119-123 Je '64

AGRICULTURE—COSTS see subdivision under Irkutsk Province

AGRICULTURE—ECONOMIC ASPECTS

[Aid for students of agricultural economics] V pomoshch' izuchaiushchim ekonomiku sel'skogo khoziaistva. Moskva, Izd-vo "Kolos," 1964. 374 p.

Learn to count. G. Aminova. Mol. komm. no. 2:76-81 F '64.

Readers suggest and advise. Ekon. sel'khoz. 35 no 6: 124-125 Je '64

AGRICULTURE—EXPERIMENTATION

Research work on a school agricultural lot. L. K. Narochna Rad shk. 42 no 4 68-72 Ap '64

AGRICULTURE—FINANCE

Amortization deductions and their use on collective and state farms V Levchuk Ekon sel'khoz 35 no 6 15-50 Je '64

Eremeev, K. I. [Planning of capital investments in agriculture] Planirovanie kapital'nykh vlozhenii v sel'skoe khoziaistvo. Moskva, Ekonomika, 1964. 191 p.

AGRICULTURE—HYGIENIC ASPECTS

Let's inculate good labor conditions in agriculture Okhr. truda i sots strakh 7 no. 5 15-16 '64

AGRICULTURE—LABOR PRODUCTIVITY see subdivision under Armenia, Chuvashia

AGRICULTURE—PRODUCTION STANDARDS see subdivision under Russia, Northwestern

AGRICULTURE—STATISTICS

Intensification is the main path to the upsurge of agriculture. Ekon sel'khoz 35 no 6 32-44 Je '64

Intensification of agricultural production and tasks of agricultural statistics V. Maniakin Vest. stat. no 8 8-10 '64

AGRICULTURE—STUDY AND TEACHING
(see also subdivision under Belgorod Province; Moldavia; Ukraine; Voronezh Province)

Brief news. Vech. sred. shkola 7 no. 2:95-96 Mr-Ap '64.

Main trend. Vech. sred. shkola 7 no. 2:3-6 Mr-Ap '64.

We learn to live and work in a communist way. G. Pavlova. Nar. obr. no. 8:88-91 Ag '64.

AGRICULTURE, COOPERATIVE see subdivision under Kirghizistan; Korea, North

AGRICULTURE, COOPERATIVE—FINANCE see subdivision under Czechoslovakia

AGRICULTURISTS

Agronomist and machinery operators. P. Rappoport. Zemledelie 26 no. 6:80-83 Je '64.

Work in cooperation. T. V. Fedenova. Zemledelie 26 no. 6:91-92 Je '64.

Work of an agronomist is an honorable job. A. Pisarev. Zemledelie 26 no. 6:89-90 Je '64

Worthy rewards for progressive agronomists. Zemledelie 26 no. 6:84-88 Je '64.

AIR—ANALYSIS

Gas content in the atmosphere of strip mines after large-scale blasting B. IA Drobot and others Sbor nauch. trud. KGRI no. 15.89-93 '63.

Prognosis of the condition of strip mine atmosphere. B. IA Drobot, E. G Morozov, V. M Dubeniuk. Sbor. nauch. trud. KGRI no. 15 93-105 '63

AIR—DRYING

Moisture conditions of cargo spaces in a tank vessel and effect of air drying operations on them. IU K. Lekhan Ekon. i ekspl. mor transp. no. 1:101-107 '63.

AIR—POLLUTION

The automobile is our friend, but.... L. Kokin. Sov. profsoiuzy 20 no. 15 47-48 Ag '64.

Development of thermal power engineering and the protection of atmospheric air, lakes, rivers, and soil from pollution. N. G. Zalogin Teploenergetika 11 no 7:2-6 Jl '64

Methodology for rapid determination of acetone and esters in the air of industrial premises. E. A. Mel'nikova. Lab. delo no. 7:423-425 '64.

Methods for calculating the dissipation of ash and sulfur dioxide in the atmosphere emitted from the smokestacks of electric power plants. Teploenergetika 11 no 7:89-94 Jl '64.

Prevention of air pollution V IA Girshfel'd Teploenergetika 11 no 7 83-87 Jl '64

AIR—THERMAL PROPERTIES

Twin differential calorimeter for determining the thermal conductivity of gases and liquids at high pressures and different temperatures I I Golub Teploenergetika 10 no 12 78-82 D '63

AIR, IONIZED—PHYSIOLOGICAL EFFECT

Effect of small concentrations of light aeroions on the cardiac activity of rabbits IU D. Damars'kyi Fiziol zhur [Ukr.] 9 no 6:824-826 N-D '63

AIR, MOISTURE OF see Humidity

AIR FILTERS

Air purification from mechanical impurities F A Konev, V V. Timofiev. Khim. prom. [Ukr.] no 3,80-81 Jl-S '63.

AIR PILOTS

Wishing you every success, Arsenii Filippovich A. Musatov. Kryl. rod 15 no. 5:19 My '64

AIR WARFARE—STUDY AND TEACHING

Flight discipline and flight commander M Krivoshchapov Av i kosm 47 no 9 32-37 S '64

"Let us fly in pairs" says Evmenenko A Gorbunov Av i kosm 47 no 9 28-31 S '64

Tactical training is going on V Semenchikov Av i kosm 47 no 9 45-48 S '64

Trainer, educator and a student himself A Matveev Av i kosm 47 no 9 14-20 S '64

Training is not a parade Av i kosm 47 no 9 6-10 S '64

AIRFOILS

Calculating the flow near the lower surface of delta wings at high incidence. A. P. Bazzhin. Inzh. zhur. 4 no. 2 242-246 '64.

Experimental investigation of some principles in the nonstationary theory for airfoils of finite span. S. M Belotserkovskii, N A. Kudriavtseva, V. G. Tabachnikov Izv. AN SSSR. Mekh. i mashinostr no 4 157-160 Jl-Ag '64.

AIRPLANE RACING

Always fit for sports. S. Ignat'ev. Kryl. rod. 15 no 5. 10 My '64.

Who will get the medals? B. Porfirov Kryl. rod. 15 no. 5:8-9 My '64.

AIRPLANES

For a model main air route I. Ivanov Grazhd. av. 21 no. 6:20-21 Je '64

AIRPLANES—AERODYNAMICS

Surprises of the negative thrust D. N Nikolaev Grazhd av 21 no 6.18-20 Je '64

AIRPLANES—BIBLIOGRAPHY see Bibliography—Airplanes

AIRPLANES—CONTROLS

Selection of optimum aircraft control IU V. Kozhevnikov Izv vys ucheb. zav., av. tekh 6 no 4 15-24 '63

AIRPLANES—DESIGN AND CONSTRUCTION

Machining parts of the wing framework and empennage on program controlled machine tools V. A Osipov. Izv vys. ucheb zav, av. tekh 6 no. 4.157-165 '63

AIRPLANES—ENGINES

Belikov, V. N., and A. N. Nikitin. [Assembly of airplane engines] Sborka aviatsionnykh dvigatelei. Moskva, Mashinostroenie, 1964. 221 p. (Tekhnologiia aviadvigatelestroeniia)

AIRPLANES—FLIGHT TESTING

Tested in the sky; a test pilot's notes. M. Gallai. Nov. mir. 39 no. 4:50-108 Ap '63.

AIRPLANES—MAINTENANCE AND REPAIR

Professional flair. V Aleksandrova Grazhd. av 21 no. 6:14 Je '64.

AIRPLANES—MODELS

From the design to the model. V. Kumanin. Kryl. rod. 15 no. 5:25-26 My '64.

AIRPLANES—PILOTING

Is a second pilot for an An-2 airplane needed? G. Gorgotskii Grazhd av 21 no. 6:23 Je '64.

AIRPLANES—TURBOJET ENGINES

Foreign technology. Gaz. prom. 8 no. 7:53-56 '63.

"Il-62." Kryl. rod. 15 no. 5:17, insert B-C My '64.

AIRPLANES, MILITARY—LANDING

The fourth turn. A. Astashkevich Av. i kosm 47 no 9: 83-84 S '64

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

[illegible] Part 2 Before and [illegible] 47 [illegible] '64

M[illegible] [illegible] 47 no 5 [illegible]

AKHMETOV, KHUSAIN F

[illegible] V A [illegible] [illegible] muz 28 no 1 143 144 [illegible]

AKSAKOV, SERGEI TIMOFEEVICH, 1791-1859

[illegible] N Pa[illegible] Teatr [illegible]

ALAMEDIN DISTRICT—AGRICULTURE—ACCIDENTS

[illegible] animal husbandry in Alamedin District [illegible] S.S.R. G. A. Le[illegible]chenko Sov. [illegible] 16-70 N-D '63

ALANINE

Synthesis of [illegible] (P-N)-phenylalanine by the [illegible] O. F. Vorobiev, Z. A. Sha-[illegible], M. A. Pro[illegible] Dokl AN SSSR 158 no. 1 143-14[illegible] S-O '64

Using amidoethylation reaction for the synthesis of α-aryloxy β-alanines M A. Mikhaleva, V. P Mamaev. Zhur ob khim 34 no 7 2153-2157 Jl '64.

ALATAU, KUZNETSK see Kuznetsk Alatau

ALATAU ZAILIYSKIY see Trans-Ili Alatau

ALAVERDI REGION (ARMENIA)—GEOLOGY

Azarian, N R. [Jurassic stratigraphy and fauna of the Alaverdi ore region of the Armenian S. S. R.] Stratigrafiia i fauna iurskikh otlozhenii Alaverdskogo rudnogo raiona Armianskoi SSR. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 255 p. (Stratigrafiia i paleontologiia, no. 7)

ALBANIA—GEOLOGY, STRUCTURAL

[illegible] structures in the western part of the central Dinarides I I Belostotskii Biul. MOIP [illegible] 24-31 N-D '63

ALBEDO

Dependence of the albedoes of Venus and Jupiter on the wavelength in the ultraviolet spectral region. I N. Glushneva. Astron.zhur 41 no.4:720-723 Jl-Ag '64.

Size of a region whose mean albedo influences the total radiation at a given point. M.S Averkiev Meteor.i gidrol. no 8,30-31 Ag '64.

ALBUMIN

Ability of pepsin to hydrolyze denatured egg albumin. M. P Chernikov. Vop.med.khim. 9 no. 2 125-127 Mr-Ap '63.

ALCOHOL

Interrelation of the structure and the anesthetic properties of some complex esters of aromatic fatty alcohols. E A Spalva Farm i toks 26 no. 5 606-611 S-O '63

ALCOHOLISM

Alcoholism and pathology of the diencephalon. B.M. Segal. Trudy Gos.nauch -issl.inst.psikh. 40;80-99 '63.

Characteristics of the course of an ischemic attack in alcoholism. A.B.Mutalimova. Azerb med.zhur no.6:35-39 Je '62.

Dynamics of hallucinotic manifestations in acute alcoholic psychoses following the introduction of bromide. R.Kh.Gazin. Trudy Gos.nauch.-issl.inst.psikh. 40; 109-117 '63

Effect of ethyl alcohol on the structure and content of dreams in chronic alcoholism and acute alcoholic psychoses. R.Kh.Gazin. Trudy Gos.nauch.-issl inst. psikh 40.100-108 '63.

Effect of magnesium sulfate on hallucinations in acute and chronic alcoholic hallucinosis. M.A.Rybalko. Trudy Gos nauch -issl.inst psikh 40;118-124 '63

ALCOHOLISM—TREATMENT

Place and forms of psychotherapy in the contemporary system of treating alcoholism. I.I.Lukomskii. Trudy Gos.nauch.-issl inst.psikh 40;275-280 '63.

Some characteristics of the remission in alcoholism patients. IA.K.Averbakh. Trudy Gos.nauch.-issl. inst.psikh 40;125-133 '63.

ALCOHOLS

Alcohol extraction from unsaponifiables II. A P Postol'nyi Khim.prom [Ukr] no 3 21-24 Jl-S '63

Character of alcohol addition to diacetylenic carbinols. B. P.Gusev, V.F Kucherov. Izv.AN SSSR.Ser.khim. no 7:1318-1319 Jl '64.

Cyclic polymerization and copolymerization. Report No. 27: Radical polymerization of dimethylvinylethinylcarbinol in solutions. S.G. Matsoian, N.M. Morlian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6.571-580 '63.

Pyridylacetylenes. Report No. 1: Synthesis of pyridylacetylene alcohols I L Kotliarovskii and others Izv Sib otd AN SSSR no 9 80-87 '62

Pyridylthiazolylmethane series Part 4: Nature and properties of pyridylthiazolylcarbonol radicals V.G Ermolaeva, M.N.Shchukina Zhur ob.khim. 34 no 7 2404-2407 Jl '64

Reaction of dimethylvinylethynylcarbinol and tetramethylbutyndiol with some diethylaminomethylalkyl ethers. E.S.Lagucheva. Zhur.ob khim 34 no 7:2173-2175 Jl '64.

Synthesis of aryl vinylethynylcarbinols. S.G Matsoian, Al'b A Saakian Izv.AN Arm SSR.Khim nauki 16 no. 2:150-161 '63

ALDAN PLATEAU—GEOLOGICAL TIME

Geochronological significance of the ultrabasic alkali intrusions in the Aldan Shield. V.I.Kitsul. Trudy Lab geol.dokem. no.19.228-235 '64.

ALDAN PLATEAU—GEOLOGY

Lower and upper boundaries of the Stanovoy complex. M.D Krylova. Trudy Lab.geol.dokem. no. 19 149-156 '64.

ALDAN PLATEAU—GEOLOGY, STRUCTURAL

Structural relations between the Aldan and Stanovoy complexes. V. A.Glebovitskii. Trudy Lab.geol.dokem. no. 19:156-165 '64.

ALDAN PLATEAU—PETROLOGY

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut geologii. [Petrography of the metamorphic and igneous rocks of the Aldan Shield] Petrografiia metamorficheskikh i izverzhennykh porod Aldanskogo shchita. Moskva, Nauka, 1964. 163 p.

Lower Archean rocks of the Aldan complex in the zone of the Stanovoy orogeny. G.M.Drugova. Trudy Lab.geol. dokem. no. 19.140-148 '64.

Some characteristics of the geology and geochemistry of the Archean metasomatic formations in the Aldan Shield. D. A. Mikhailov, V. L. Duk. Trudy Lab. geol. dokem. no. 19 344-355 '64.

ALDAN PLATEAU—ULTRABASITE

Geochronological significance of the ultrabasic alkali intrusions in the Aldan Shield. V. I. Kitsul. Trudy Lab. geol. dokem. no. 19:228-235 '64.

ALDAN PLATEAU—WATER, UNDERGROUND

Increased water content of the crystalline rocks in the western part of the Aldan Shield S M Fotiev, P N Lugovoi. Mat Kom po izuch podzem vod Sib i Dal'. Vost no 2,164-175 '62.

ALDEHYDES

Interaction of dialkyl phosphorous acids with aldehydes and ketones. Part 25: Esters of α-hydroxy-β-(2,2,3-trimethylcyclopenten-3-yl)ethylphosphinic and α-hydroxynitrobenzylphosphinic acids V.S.Abramov, L.I.Kiriukhina, N Kudriavtseva. Zhur.ob.khim 34 no 7,2235-2238 Jl '64.

Synthesis of furan aldehydes containing a three-membered ring. V G.Glukhovtsev, S.V Zakharova, G.K.Vasilevskaia. Izv.AN SSSR Ser.khim no 7;1330-1333 Jl '64.

Technical methods of synthesizing α, β-unsaturated aldehydes and ketones G. S. Mironov, M. I. Farberov Usp khim. 33 no. 6;649-663 Je '64

ALEKSANDROVSKAIA, LARISA POMPEEVNA, 1904-

Inspiration and craftsmanship. I. Nisnevich. Sov muz. 28 no. 2:77-78 F '64

Thank you. B. Pokrovskii Sov muz. 28 no. 2:79-80 F '64

ALEKSEYEVKA REGION (BELGOROD PROVINCE)—FIELD CROPS

Use technology in conformity with field conditions. I D. Kurbatov. Zemledelie 26 no. 6;12-16 Je '64.

ALEKSII, Archbishop of Tallinn and Estonia, 1929-

Edict of His Holiness Patriarch Aleksii to Aleksii, Bishop of Tallinn and Estonia Zhur Mosk Patr no 8 1 '64

ALEKSII, Patriarch of Russia, 1877-

Publication of volume 4 of sermons, speeches, addresses and messages of His Holiness Patriarch Aleksii. Zhur. Mosk. Patr no 7:12-13 '64

ALEUTS see subdivision under Komandorskiye Islands

ALFALFA

(see also subdivision under Baraba Steppe)

Morphological nature and age-conditioned changes in the tillering section of the blue-hybrid alfalfa E IA. Il'ina Bot zhur 49 no 5 685-689 My '64

ALGAE see subdivision under Grossevicha Bay; Polesye

ALGAE—CULTURES AND CULTURE MEDIA

Theoretical basis of the principle of cultivation of unicellular algae. I. V. Smirnov. Biofizika 8 no. 1:90-100 '63

ALGAE, FOSSIL see subdivision under Altai Mountains

ALGAE AS FOOD

Chops made of algae R Shakhnazarian Izobr i rats. no 5 6-7 '64

ALGEBRA

About the true and the questionable in the new textbook on the methods of algebra. I. A Marnians'kyi. Rad. shk. 42 no. 1:109-110 Ap '64.

ALGEBRA, BOOLEAN

Existence of invariant measures on Boolean algebras. D.A.Vladimirov. Dokl.AN SSSR 157 no.4:764-766 Ag '64.

ALGEBRAIC TOPOLOGY

Radical of a module I. Sh. Ioffe. Sib. mat. zhur. 5 no 4 820-826 Jl-Ag '64.

ALGERIA—ECONOMIC ASSISTANCE, RUSSIAN

In the name of fraternal friendship. Vnesh. torg 44 no. 7;17 '64

ALGERIA—ECONOMIC CONDITIONS—CONGRESSES

Fruits of Algerian springtime. Moustapha Sarr. Vest prof. dvizh. no 6;4-9 Je '64.

ALGERIA—FOREIGN ECONOMIC RELATIONS—RUSSIA

Agreement with Algeria in operation. R. Zaitsev. Vnesh. torg. 44 no. 6:10-19 '64.

ALGERIA—FOREIGN RELATIONS—RUSSIA

Brothers in spirit M Zenovich. Az. i Afr seg. 6 no 6 6-7 Je '64

ALGERIA—MILITARY ASSISTANCE, RUSSIAN

On Algerian soil M. Novikov Starsh.-serzh no 7 30 31 Jl '64.

ALGERIA—POLITICS AND GOVERNMENT

Algeria chooses socialism N Prozhogin. Kommunist 41 no 10 99-107 Jl '64

Does the lessening of tension represent a danger for the national liberation movement. Larbi Bukhali. Vop. ist. KPSS 8 no. 8 41-49 Ag '64.

ALGERIA—POLITICS AND GOVERNMENT—CONGRESSES

Fruits of Algerian springtime Moustapha Sarr. Vest prof. dvizh. no. 6;4-9 Je '64

ALGERIA—TRADE UNIONS

Activities of Algerian trade unions. Rabah Djermane. Nov. vrem. 22 no. 31:16-17 Ag '64.

ALGORITHMS

Algorithm for calculating the optimal structure of the energy balance on an electronic computer taking into consideration the conditions of gas consumption. IU A. Kuznetsov, A.I.Shvartsberg. Gaz.prom. 9 no 6-35-40 '64.

Algorithms of recognition in teaching L. M. Fridman. Izv. APN no. 129,125-132 '63.

Definition of the complexity of algorithms. B M Kloss. Dokl. AN SSSR 157 no 1 30-40 Jl '64.

New algorithm in the theory of perturbations of a continuous spectrum. A. G. Sigalov. Dokl. AN SSSR 158 no. 1: 49-52 S-O '64.

Problem of the mathematical methods of construction and evaluation of the algorithm of recognition. Report No 1. Problem of evaluating the complexity of an algorithm. Report No. 2. Methods of constructing rational algorithms and formulas for the evaluation of their rationality. L. N. Landa. Izv. APN no. 129,117-124 '63.

Realization of Boolean functions using threshold devices. E.A.Butakov, A.D.Zakrevskii. Izv.AN SSSR.Tekh. kib. no.1;39-40 Ja-F '64.

Research on the process of the logical solution of image formation problems. Report No. 1. Classification of algorithms of the visual image formation. A. M. Parachev. Izv. APN no. 129:133-138 '63.

Synthesis of the control networks of algorithmic systems. V. F. D'iachenko. Probl. pered. inform. no. 15:13-22 '63.

ALI-BAYRAMLY REGION—ANTIQUITIES

Archaeological finds from the Ali-Bayramly region. G. P. Kosamanly, I. A. Babaev. Dokl. AN Azerb. SSR 19 no. 3;87-92 '63.

ALIMENTARY CANAL—CANCER

Value of palliative operations in cancer of the gastrointestinal tract and the pancreas. G. A. Danielian, E. Kh. Sarkisian. Vop. rent. i onk. 7:297-303 '63.

ALIMENTARY CANAL— SURGERY

Value of palliative operations in cancer of the gastrointestinal tract and the pancreas. G. A. Danielian, E. Kh. Sarkisian. Vop. rent. i onk. 7:297-303 '63.

ALIMENTARY CANAL—ULCERS

Methodology for morphologic study of hemorrhaging ulcers in the gastrointestinal tract. G. A. Barlov. Arkh. pat. 26 no. 2;85-86 '64.

ALIPHATIC ALCOHOLS

Separation of $C_1 - C_5$ aliphatic alcohols by gas chromatography in different stationary phases. L P [illegible], V.T.Gurevich, L L Starobinets. Neftekhimiia 4 no.2 340-344 Mr-Ap '64.

ALISHAN, GHEVONT M., 1820-1901

Alishan and the Petersburg Archaeological Society S.A. S'aikan. Izv.AN Arm SSR.Obshchestv.nauki no.2:73-82 F '64.

ALKALI METAL ACETATES

Ternary system of sodium, rubidium, and cesium acetates. G.G.Diogenov, I.F.Sarapulova Zhur. neorg.khim. 9 no.6 1499-1502 Je '64

ALKALI METAL BORATES

Electric conductance of fused alkali-borate and alkali-silicate glasses. K.A.Kostanian, Izv.AN Arm.SSR. Khim.nauki 16 no.1,3-12 '63.

ALKALI METAL CARBONATES

Effect of alkali metal carbonate additions on the kinetics of uranium trioxide reduction with carbon monoxide. V.G.Vlasov, V.N.Shalaginov. Kin.i kat. 5 no.2 263-267 Mr-Ap '64.

ALKALI METAL CHLORIDES

Determination of the heats of dissolution of KCl and RbCl in formic acid [with summary in English]. G.P. Kotharova, I.F.Ivanova. Zhur.fiz.khim. 38 no.2, 423-426 F '64.

Interaction of samarium (III) chloride with the chlorides of sodium, potassium, rubidium, and cesium B.G. Korshunov and others. Zhur neorg.khim. 9 no.6; 1427-1430 Je '64.

ALKALI METAL HALIDES

Multiplication of dislocations in alkali halide crystals under the action of high-frequency vibration E.P Belozerova, N.A. Tiapunina, E.G Shvidkovskii Kristallografiia 8 no.2 232-237 Mr-Ap '63.

Ternary reciprocal systems of the halides of sodium, potassium, and cadmium. I.I.Il'iasov, A G.Bergman. Zhur.neorg.khim. 9 no.6;1416-1122 Je '64.

ALKALI METAL MOLYBDATE CRYSTALS—GROWTH

Crystallization of molybdates of alkaline earth metals under hydrothermal conditions. B.N.Litvin, L.N. Dem'ianets, L.S.Garashina. Rost krist. 4 162-167 '64.

ALKALI METAL NITRATES

System Li, Rb ‖ NO_2, NO_3. P.I.Protsenko, R.P. Shisholina, A.V.Protsenko. Zhur.neorg.khim. 9 no.6:1431-1434 Je '64.

Systems $CO(NH_2)_2$ - $LiNO_3$; Li,Na, K // NO_3 and Na, K, NH_4 // NO_3. A.G.Bergman, K.Nogoev. Zhur.neorg. khim. 9 no.6;1423-1426 Je '64.

ALKALI METAL SILICATES

Electric conductance of fused alkali-borate and alkali-silicate glasses. K.A.Kostanian, Izv.AN Arm.SSR, Khim.nauki 16 no.1:3-12 '63.

ALKALI METAL SULFATES

Ternary compounds consisting of lithium, sodium, and ammonium sulfates. I.G.Druzhinin, M.Kidynov, S.A. Lomteva. Dokl.AN SSSR 157 no 4;910-912 Ag '64.

ALKALI METALS

Binding energy in alkali metals and alkaline earth metals. V.F.Konusov, Izv vys.ucheb.zav , fiz. no.4:133-137 '64.

Effect of cations of alkaline and alkaline earth metals on complex formation in aqueous solutions. V.E. Mironov, F.IA.Kul'ba, V.A.Fedorov. Zhur.neorg. khim. 9 no.6;1487-1489 Je '64.

Formation of lithium and sodium blue solutions in certain ethers. E.S.Petrov, M.I.Belousova, A.I. Shatenshtein. Zhur.ob.khim. 34 no.7;2465 Jl '64.

Penetration of ions of certain alkali metals into copper and silver. V.N.Lepeshinskaia, E.M.Zarutskii. Izv.AN SSSR.Ser.fiz. 28 no.8;1390-1394 Ag '64.

ALKALI METALS—ELECTRIC PROPERTIES

Experimental determination of the electric resistivity of liquid alkali metals at temperatures up to 1000°C. B.E.Semiachkin, A.N.Solov'ev. PMTF no.2;176 Mr-Ap '64.

ALKALIES

Interaction of zircon with caustic alkalies under hydrothermal conditions. V.G.Chukhlantsev, IU.S.Mashkov. Zhur.neorg.khim. 9 no.6;1492-1493 Je '64.

Regeneration of alkali from the sulfide alkalies of desulfurized petroleum-products V.S.Petelina, B.IA.Startsev. Nefteper i neftekhim. no.9 25-27 '63.

Solubility diagram of the system NaOH - KOH - H_2O at 0 and 20°C. G.G.Babaian and others. Izv.AN Arm. SSR.Khim.nauki 16 no.6;539-545 '63.

ALKALINE EARTH CHLORITES

Catalytic decomposition of chlorites. Pt.3; Dependence of the catalytic decomposition of alkaline earth chlorites on the pH of the solution. A.Prokopcikas, P.Norkus. Trudy AN Lit. SSR. Ser.B no.1:129-138 '62.

ALKALINE EARTH FLUORIDE CRYSTALS—SPECTRA

Zeeman effect for f - d-transitions in the spectra of alkaline-earth fluoride crystals activated by Sm^{2+}. B.P.Zakharchenia, V.P.Makarov, A.IA.Ryskin Opt i spektr 17 no.2 219-229 Ag '64.

ALKALINE EARTH METALS

Binding energy in alkali metals and alkaline earth metals V.F.Konusov, Izv vys ucheb zav , fiz, no 4 133-137 '64

Determination of a free alkaline earth metal in oxide cathodes with the aid of radioactive iodine. V.P. Pomazkov, V.P.Vasil'ev Izv.AN SSSR.Ser.fiz 28 no 8 1354-1359 Ag '64

Effect of cations of alkaline and alkaline earth metals on complex formation in aqueous solutions. V E. Mironov, F.IA.Kul'ba, V.A Fedorov. Zhur neorg khim. 9 no.6:1487-1489 Je '64.

ALKALOIDS

Alkaloids of the groundsel Senecio racemosus M B M P Khmel' Farmatsev zhur 16 no 1 35-39 '61

Alkaloids of the 1-methylpyrrolizidine series V.S Aleksieieva Farmatsev zhur 16 no 1 39-41 '61

Comparative evaluation of methods for quantitative determination of alkaloids in extracts from biological material V P Kramarenko, Z S Rokach Farmatsev zhur 16 no 1 26-32 '61

Pyrrolizine alkaloids. Part 6: Complete synthesis of integerrinecic acid. N K.Kochetkov, A.E.Vasil'ev, S.N.Levchenko Zhur.ob khim 34 no 7 2202-2207 Jl '64.

ALKANES see Paraffins

ALKENES see Olefins

ALKYD RESINS

Determination of the readiness of modified glyptal resins, binding agents for linoleum N P.Konshin and others Nauch ezhegod Khim fak Od un no 2 102-112 '61

ALKYL BROMIDES

Relative reactivity of primary and secondary alkyl halides in reactions with sodium malonic ester A V.Bogatskii, O S.Stepanova Nauch ezhegod Khim.fak Od.un no 2,87-89 '61.

ALKYL GROUPS

1-Diethyl- and 1-dibutylaminoanthraquinones and thermal dealkylation of 1-diethylaminoanthraquinone E P Fokin, O I.Andrievskaia, V V Russkikh. Izv Sib otd AN SSSR no.7;103-106 '62.

ALKYL HALIDES

Exchange reactions of alkyls between organomagnesium compounds and halides L.I.Zakharkin, O.IU Okhlobystin, K.A.Bilevich. Izv.AN SSSR Ser.khim no.7: 1347-1349 Jl '64.

ALKYLATION

Alkylation of β-phenylisopropylamine by pyridoxine bromohydrins. L.A.Petrova, N.N.Bel'tsova, S.IA Arbuzov. Zhur.ob.khim. 34 no.7;2390-2392 Jl '64.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLANITE see subdivision under Chekhi Basin

ALLERGY

Phagocytic activity of eosinophils in eosinophilias of allergic origin IU.F Valiev Lab delo no 7 431-438 '64

ALLOXAN

Activity of adenosine triphosphate-phosphohydrolase in some tissues of rabbits with alloxan diabetes. A.S Oganesian. Izv.AN Arm.SSR.Biol.nauki 17 no.2: 33-38 F '64.

ALLOYS

Kirillov, IU.L. [Outline of a lecture in the course "Metallography and heat treatment"] Konspekt lektsii po kursu "Metallovedenie i termoobrabotka." Sverdlovsk, Ural'skii politekhn. in-t im. S.M.Kirova.
No.3. [Binary alloys] Dvoinye splavy. 1963. 34 p.
[MICROFILM]

Wider use of fine-granular hard alloys. V.P.Ofitserov, P.I.Tiuvakin. Soversh.tekh.mash.i prib no.3;82-90 '60.

ALLOYS—ANALYSIS

Determining indium, antimony, and tellurium in alloys. V.S.Nagibin, E.V.Liventseva. Trudy Inst.met. no.14 255-258 '63.

New method of determining zinc. V.S.Nagibin, A.I. Sluch, A.P.Ivasheva. Trudy Inst.met. no.14;259-261 '63.

ALLOYS—HARDENING

Theory of the hardening of ordered solid solutions. L.E. Popov, E.V.Kozlov Fiz.met i metalloved 17 no 5 755-759 My '64

ALLOYS—METALLOGRAPHY

Temperature dependence of impurity concentration in Suzuki atmospheres in a number of solid solutions. E.F.Dudarev, V.E.Panin, N.V.Nikitina. Fiz.met.i metalloved. 17 no.6;924-930 Je '64.

Theory of the ordering of alloys with a hexagonal close-packed lattice. V.V Geichenko, V I Ryzhkov. Sbor nauch rab Inst.metallofiz AN URSR no.18 155-162 '64

ALLOYS—TESTING

Structural changes and the mechanical properties of alloys on the basis of metal compounds by the substitution method of low-melting components. E.M.Savitskii, T.A.Kim. Trudy Inst.met. no.14 147-154 '63.

ALLOYS—THERMODYNAMICS

Determination of the thermodynamic properties of alloys by the EMF method using a solid electrolyte having anion-oxygen conductance of 1 - Co_3W. T.N.Rezukhina, Z.V.Proshina. Zhur.fiz.khim. 36 no.3 637-640 Mr '62.

ALLOYS—WELDING

Transition factors of alloying elements during automatic welding with wire made of powdered material. B.D. Lebedev. Trudy DKHTI no.16 225-232 '62.

ALLOYS, EFFECT OF RADIATION ON

Increase in the mobility of atoms in alloys under the effect of gamma irradiation I.IA.Dekhtiar, A M Shalaev. Sbor.nauch.rab.Inst metallofiz AN URSR no 18 26-31 '64

ALMA-ATA—COTTON MANUFACTURE—ACCOUNTING

Standard method of accounting for production in a cotton-spinning factory. M.Karmozina, G Nidekker Bukhg uchet 20 no 12 12-15 D '63

ALMA-ATA PROVINCE—RELIGION

Investigating the state of religiousness of the population of Alma-Ata Province. V.Chernick. Izv.AN Kazakh SSR.Ser.obshchestv.nauk no.6;55-63 '64.

ALMA-ATA PROVINCE—SHEEP

In the Ala-Tau tracts. G.Chernov Part zhizn' no.15. 42-44 Ag '64.

ALMA-ATA REGION—APPLE—STORAGE

Biochemistry of apple storage in the Alma-Ata fruit region. R.M.Kunaeva. Trudy Inst.bot AN Kazakh SSR 16;216-235 '63.

ALMALYK REGION (UZBEKISTAN)—ANHYDRITE

Genesis of the hypogene anhydrite of the Almalyk region S T Badalov Uzb geol zhur, 7 no 6 100-102 '63.

ALMASZADE, GAMER

First Azerbaijani ballerina R Farkhadova Sov muz 28 no 1 59-63 Ja '64

ALPHA RAYS

Alpha-ray reduced widths in Bi^{210} and the spectrum of levels in Tl^{206}. K.B.Baktybaev, G.M.Bukat. Izv.AN SSSR.Ser.fiz. 28 no.7;1229-1233 Jl '64.

Effect of temperature and excitation density on the damping of α-scintillations in ZnS-Cu and ZnS-Ag V.S.Bezel', F F.Gavrilov. Izv.vys.ucheb zav , fiz. no.4;119-123 '64

ALPHA RAYS—SCATTERING

Inelastic diffraction scattering with excitation of two-phonon nuclear states. IU.A Berezhnoi Ukr.fiz. zhur 8 no 9 929-934 S '63.

ALTAI MOUNTAINS—ALGAE, FOSSIL

Recent fresh water verticallate Siphoneae from the Quaternary sediments of the Altai. I.G.Liskun, V.P. Maslov. Dokl.AN SSSR 156 no.6;1368-1370 Je '64.

ALTAI MOUNTAINS—EARTHQUAKES

The Gobi Altai earthquake S V.Obrushev. Izv.Vses. geog ob-va 96 no 3 262-263 My-Je '64.

ALTAI MOUNTAINS—GEOLOGY

Anatol'eva, A.I. [Comparative characteristics of Devonian sediments in the Sayan-Altai fold area] Sravnitel'naia kharakteristika devonskikh otlozhenii Saiano-Altaiskoi skladchatoi oblasti. Moskva, Izd-vo "Nauka," 1964. 122 p.

Geological formations in the central part of the Altai-Sayan fold area and their ore potentials. A.N.Ken. Trudy VSEGEI 103;25-57 '64.

ALTAI TERRITORY—ATHEISM—STUDY AND TEACHING

Persistently and aggressively. N.Ponomareva. Bibliotekar' no.7 20-21 Jl '64.

ALTAI TERRITORY—COLLECTIVE FARMS

Well disposed toward work. S.Folumenov. NTO 6 no.5;44-46 My '64.

ALTAI TERRITORY—CONSTRUCTION INDUSTRY

Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Glavnoe upravlenie po delam sel'skogo i kolkhoznogo stroitel'stva. [Rural builders of the Altai contemplate new frontiers; work practices of the "Altai Territory Construction Administration"] Sel'skie stroiteli Altaia namechaiut novye rubezhi; opyt raboty upravleniia "Altaitselinstroi." Moskva, Trest "Orgsovkhozstroi," 1963. 13 p.
[MICROFILM]

ALTAI TERRITORY—SOLONETZ SOILS

[illegible] problems in solonetz soils [illegible] in the Altai Territory. A. [illegible] [illegible] 8 no 6 247-254 [illegible]

ALTITUDE, INFLUENCE OF
(see also subdivision under Pamirs)

[illegible] G. [illegible] Zhur. [illegible] 1411-1414 '62

ALTITUDES—MEASUREMENT

Vorob'ev, V. G. [Tables for determining the height of [illegible] structures] Tablitsy dlia opredeleniia vysot nedostupnykh sooruzhenii. Pod red. IU. A. Ibad-Zade. Baku, M-vo vodnogo khoz. Azerbaidzhanskoi SSR, 1960. 83 p.

[MICROFILM]

ALUM CRYSTALS—GROWTH

Effect of [illegible] on the rate of growth of alum crystals from a [illegible]. A. V. Beliustin, V. N. Portnov. Rost krist. 4 [illegible] '64

ALUMINOSILICATES

Effect of the chemical composition on the structure, stability, and catalytic properties of mixed aluminosilicate catalysts. IU. S. [illegible], M. A. Kalko. Zhur. fiz. khim. 37 no. 3 533-539 Mr '62.

Investigating the effect of certain factors on the optical activity of heavy petroleum fractions in the presence of aluminosilicates. A. Dzh. Sattar-Zade, I. S. Sattar-Zade. Azerb. neft. khoz. 43 no. 2:39-40 F '64

Sorption of water on aluminosilica gels at elevated temperatures. G. M. Panchenko, and others. Zhur. fiz. khim. 36 no. 3 641-643 Mr '62.

ALUMINOTHERMY

Aluminum migration and wetting during the aluminothermic reduction process. A. S. Dubrovin, L. N. Rusakov, IU. L. Pliner. Izv. AN SSSR. Met. i gor. delo no. 2 51-57 Mr-Ap '64

Temperature of the aluminothermic process outside blast furnace. A. S. Dubrovin, IU. L. Pliner. Izv. Sib. otd. AN SSSR no. 12 9-15 '62

ALUMINUM

Arc welding of aluminum. I. Kostrina. Tekh. i vooruzh. no. 3 61-62 Mr '64

Electrodynamic rotation of molten aluminum in a crystallizer. A. I. Leushin. Elektrotekhnika 35 no. 6:50 Je '64.

Electron paramagnetic resonance of the products of interaction between dicyclopentadienyl vanadium dichloride and aluminum alkyls. G. A. Abakumov, A. E. Shilov, S. V. Shulyndin. Kin. i kat. 5 no. 2 228-234 Mr-Ap '64.

Initiation of vinyl chloride polymerization by the reactions between triethylaluminum with halogen-containing organic compounds. G. A. Razuvaev, K. S. Minsker, IU. A. Sangalov. Dokl. AN SSSR 158 no. 1 170-172 S-O '64.

ALUMINUM—GALVANOMAGNETIC PROPERTIES

Measuring the resistance of aluminum in a magnetic field at low temperatures. E. I. Nikulin, I. A. Kir'enin. Zhur. tekh. fiz. 34 no. 7:1339-1340 Jl '64

ALUMINUM—METALLOGRAPHY

Effect of the critical degree of deformation in aluminum. G. V. Indenbaum. Fiz. met. i metalloved. 17 no. 6, 909-916 Je '64

ALUMINUM—PHYSIOLOGICAL EFFECT

Aluminosis. P. P. Dvizhkov. Arkh. pat. 26 no. 2:3-10 '64.

ALUMINUM—TESTING

Effect of surface conditions on the jump-like deformation of aluminum at T=1.3°K. O. V. KlIavin, A. V. Stepanov. Fiz. met. i metalloved. 17 no. 4,592-600 Ap '64.

ALUMINUM ALLOYS

Amperometric determination of iron, copper, and zinc in aluminum alloys by titration with 8-mercaptoquinoline. IU. I. Usatenko, V. I. Suprunovich. Zav. lab. 30 no. 6,662-663 '64

Creep of an aluminum alloy at varying loads. V. S. Namestnikov. PMTF no. 2:99-105 Mr-Ap '64.

Regular patterns of changes in the mechanical properties of aluminum and its alloys with 5% silicon and 5% magnesium resulting from alloying with other metals. V. P. Perminov. Izv. Sib. otd. AN SSSR no. 12 83-91 '62

Strength of the assemblies of an experimental car made from aluminum alloys. V. N. Maksimov, V. S. Sinlavskii, I. A. Moiseev. Vest. TSNII MPS 23 no. 4:3-7 '64.

ALUMINUM ALLOYS—TESTING

Time dependence of the strength of aluminum-base, two-phase alloys. S. N. Zhurkov, V. I. Betekhtin, A. I. Slutsker. Fiz. met. i metalloved. 17 no. 4:564-571 Ap '64.

ALUMINUM-COPPER ALLOYS—METALLOGRAPHY

Structure of Guinier-Preston zones and metastable precipitates in aluminum-silver and aluminum-copper alloys. N. N. Buinov, R. R. Zakharova, V. G. Rakin. Fiz. met. i metalloved. 17 no. 5 782-784 My '64

ALUMINUM CRYSTALS—GROWTH

Obtaining single crystals of pure aluminum by the method of "deformation - annealing" and their substructure. G. V. Indenbaum, V. I. Tiraspol'skii, IU. M. Fishman. Fiz. met. i metalloved. 17 no. 5 719-725 My '64

ALUMINUM HALIDES

Structure and some properties of aluminum halides. K. N. Semenenko, T. N. Naumova. Zhur. neorg. khim. 9 no. 6,1316-1322 Je '64.

ALUMINUM INDUSTRY
(see also subdivision under Karpinsk, Sverdlovsk Province, Zaporozh'ye)

The aluminum market. V. Elizarov. Vnesh. torg. 44 no. 6 29-32 '64.

ALUMINUM INDUSTRY—COSTS see subdivision under Siberia, Western

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM LITHIUM HYDRIDE

Pyran series, its analogs, and related compounds. Part 7. Particularities of the reduction of 4-chromanone oximes and related ketones with lithium aluminum hydride. V. A. Zagorevskii, N. V. Dudykina. Zhur. ob. khim. 34 no. 7:2282-2286 Jl '64.

ALUMINUM-MANGANESE-CADMIUM ALLOYS

Determination of the mutual solubility boundaries of manganese and cadmium in solid aluminum. M. E. Drits and others. Zhur. neorg. khim. 9 no. 6:1397-1402 Je '64.

ALUMINUM-NICKEL ALLOYS see Nickel-aluminum alloys

ALUMINUM-NICKEL-COPPER ALLOYS see Copper-aluminum-nickel alloys

ALUMINUM ORGANIC COMPOUNDS

Synthesis of some unsaturated organoaluminum compounds. L. I. Zakharkin, L. A. Savina. Izv. AN SSSR. Ser. khim. no. 7:1222-1225 Jl '64

ALUMINUM OXIDES

Extraction of alumina and alkali from sinters obtained in the reduction smelting of red muds. L. P. Khodak, N. N. Varlamova, G. N. Kozhevnikov. Izv. Sib. otd. AN SSSR no. 7,61-70 '62

Kinetics of alumina dissolution in molten fluorides. P. M. Shurygin, V. N. Boronenkov, V. I. Kriuk. Sbor. nauch. trud. Ural. politekh. inst. no. 126,80-85 '63.

Phase equilibria in the system Y_2O_3 - Al_2O_3 - SiO_2. I. A. Bondar', F. IA. Galakhov. Izv. AN SSSR. Ser. khim. no. 7:1325-1328 Jl '64.

Phase equilibria in the system yttrium - alumina. N. A. Toropov and others. Izv. AN SSSR. Ser. khim. no. 7:1158-1164 Jl '64.

Production of α-butylene by the dehydration of n-butyl alcohol on aluminum oxide A-1. Report No. 5: Some problems of kinetics. I. I. Pis'man, V. V. Kas'ianov, M. A. Dalin. Azerb. khim. zhur. no. 5,85-92 '63.

ALUMINUM PIPE see Pipe, Aluminum

ALUMINUM-SILICON ALLOYS—ELECTROMETALLOGRAPHY

Material composition of filter residues from the production of aluminum-silicon alloys. E. G. Safonova, E. I. Khazanov. Izv. Sib. otd. AN SSSR no. 7:71-78 '62.

ALUMINUM-SILICON ALLOYS—METALLOGRAPHY

Phase distribution in the solid-liquid region of castings. R. A. Bakhtiarov, A. M. Kats. Izv. AN SSSR. Met. i gor. delo no. 2 117-123 Mr-Ap '64.

ALUMINUM-SILVER ALLOYS—METALLOGRAPHY

Structure of Guinier-Preston zones and metastable precipitates in aluminum-silver and aluminum-copper alloys. N. N. Buinov, R. R. Zakharova, V. G. Rakin. Fiz. met. i metalloved. 17 no. 5 782-784 My '64

ALUMINUM-TITANIUM-TIN ALLOYS see Titanium-tin-aluminum alloys

ALUMS

Thermographic study of the inclusion compounds of alums with organic substances. K. A. IUdina. Izv. Sib. otd. AN SSSR no. 8:113-115 '62.

ALUMS—MAGNETIC PROPERTIES

Adiabatic demagnetization of ferric ammonium alum without thermal insulation. IE. S. Borovyk, S. F. Hrishin, O. IA. Hrishina. Ukr. fiz. zhur. 8 no. 9:1013-1019 S '63.

AMATEUR RADIO STATIONS

For mass participation and mastery of sport. A. Shurygin. Radio no. 1,10 Ja '64

In the direction of the flag of "spartakiada." Radio no. 1:8-9 Ja '64.

Short and ultrashort radio waves. Radio no. 1:21 Ja '64.

Voices of the champions. Radio no. 1:6-7 Ja '64.

AMATEUR THEATRICALS
(see also subdivision under Kazan; Kishinev; Kochkovka, Kirghizistan; Moscow)

Letters from theaters. Teatr 24 no. 12:115 D '63.

New tasks. A. Popov. Teatr 24 no. 12:116-119 D '63

[People's theaters; the image of our contemporary on the stage of the people's theater] Narodnye teatry; obraz sovremennika na stsene narodnogo teatra. Moskva, Izd-vo "Sovetskaia Rossiia," 1964. 76 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 16)

AMBARY HEMP—DRYING

Efficient system for dying kenaf fibers. N. F. Makarova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6:40-47 '63.

AMIDES

Interaction of ether amides and phosphorous acid ether chlorides with diacetyl. V. A. Kukhtin, I. P. Gozman. Dokl. AN SSSR 158 no. 1:157-158 S-O '64.

AMIDOMETHYLATION

Using amidomethylation reaction for the synthesis of α-aryloxy-β-alanines. M. A. Mikhaleva, V. P. Mamaev. Zhur. ob. khim. 34 no. 7:2153-2157 Jl '64

AMINATION

Amination of 1-cyano-6-chlorohexane, a product of telomerization of ethylene by cyanogen chloride. E. I. Vasil'eva, R. Kh. Freidlina. Izv. AN SSSR. Ser. khim. no. 7:1233-1236 Jl '64.

AMINE OXIDASE

Cholinesterase, monoamine oxidase and histaminase activity in the mucosa of different segments of the stomach. L. N. Karpenko. Vop. med. khim. 9 no. 2:143-130 Mr-Ap '63.

Effect of impramin on the monoamine oxidase activity of the cat brain. R. A. Khaunina, I. P. Lapin. Vop. med. khim. 9 no. 2:184-188 Mr-Ap '63.

Inhibition of the activity of mitochondrial amine oxidases by some tricyclic compounds. I. V. Verevkina and others. Dokl. AN SSSR 157 no. 1 191-193 Jl '64

AMINES

Addition of amines to isoprene. G. T. Martirosian, E. A. Grigorian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1:31-35 '63.

Derivatives of ferrocenylamine. A. N. Nesmeianov, V. A. Sazonova, V. I. Romanenko. Dokl. AN SSSR 157 no. 4:922-925 Ag '64.

Effect of the solvent and catalytic additions on the pyridylethylation of the amino group. S. I. Suminov, A. N. Kost. Zhur. ob. khim. 34 no. 7:2421-2428 Jl '64.

Preparation of lepidine and its derivatives from aromatic amines and Mannich bases. B. I. Ardashev, E. Sh. Kagan. Zhur. ob. khim. 34 no. 7:2229-2230 Jl '64.

Pyran series, its analogs, and related compounds. Part 9: Reaction of coumarin with amines. V. A. Zagorevskii, V. L. Savel'ev. Zhur. ob. khim. 34 no. 7:2290-2293 Jl '64.

Reaction of aromatic amines with Mannich bases. G. I. Denis, L. V. Chekuolene, P. F. Butskus. Zhur. ob. khim. 34 no. 7:2479 Jl '64.

Study of peroxide - amine systems as polymerization initiators. S. L. Mkhitarian, N. M. Beilerian, O. A. Chaltykian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:537-544 '63.

Synthesis of N-aryl-β-amino acids in combining methyl acrylate with some aromatic amines. R. Baltrusis, A. Maciulis, A. Purenas. Trudy AN Lit. SSR. Ser. B no. 1:169-174 '64.

AMINES—ABSORPTION SPECTRA

Frequencies and intensities of infrared absorption bands of the stretching and deformation vibrations of the NH_2 group in primary amines. M. R. IAgudaev and others. Izv. AN SSSR. Ser. khim. no. 7:1189-1196 Jl '64.

AMINES—ANALYSIS

Study on the interaction between secondary aromatic amines and aromatic nitro compounds by methods of physicochemical analysis. N. K. TSvetkova. Trudy Astr. tekh. inst. ryb. prom. i khoz. no. 8:14-24 '62.

AMINO ACID METABOLISM

Effect of boron on the content of free amino acids and on the incorporation of C^{14}-tyrosine in the proteins of the sunflower. E. A. Sheratnev, G. V. Kurilenok. Bot. zhur. 49 no. 5 699-702 My '64

Effect of nitrogen mineral forms on the free amino acid content of amides in the bleeding sap of corn. I. V. Mosolov. Khim. v sel'. khoz. 2 no. 4:2-6 Ap '64.

AMINO ACIDS

Derivatives of furan. Report No. 20: Amino esters of 4,5-substituted 2-furancarboxylic acids. Izv. AN Arm. SSR. Khim. nauki 16 no. 2:175-179 '63.

Free amino acids in the blood and urine of patients with some forms of dermatosis. V. P. Volkov. Vest. derm. i ven. 38 no. 1:9-15 Ja '64.

N^{15} inclusion into free amino acids and glutamine in the case of the assimilation of N^{15} ammonium by Candida tropicalis yeast. V. I. [illegible] [illegible]

[illegible]

AMINO ACIDS (Continued)

Organic insectofungicides Part 77: Interaction of phosphorothioic and phosphorodithioic acid esters with amino acids and amino alcohols K.D.Shvetsova-Shilovskaia, E I.Lebedeva, N N Mel'nikov Zhur ob khim. 34 no.7:2138-2140 Jl '64

Potential antimetabolites Part 14: Pyrimidinyl-N-α-amino acids. IU.P.Shvachkin, M.T Azarova. Zhur ob khim. 34 no.7:2167-2173 Jl '64

Preparation of 2-diethylaminoethyl esters of substituted γ-chlorocrotylacetic acids. M.T.Dangian, M.G. Zalinian, S.V. Arakelian. Izv. AN Arm. SSR. Khim. nauki 16 no.1:43-46 '63.

Synthesis of compounds in the series of natural α-amino acid hydrazides. Part 2: Hydrazides of some N-acetyl-α-amino acids and their derivatives L.B. Radina, N.M.Khvorova, Z.V.Pushkareva. Zhur.ob khim. 34 no.7:2140-2145 Jl '64.

Synthesis of N-aryl-β-amino acids in combining methyl acrylate with some aromatic amines R. Baltrusis, A. Macialis, A Purenas. Trudy AN Lit. SSR. Ser. B no.1 169-174 '64.

Use of nitrilium salts in the synthesis of heterocyclic amino acids. Report No.1. Derivatives of 3,4-dihydroxy-1-isoquinolineacetic acid. S.G. Agbalian, A.O. Nshanian, L.A. Nersesian. Izv. AN Arm. SSR. Khim. nauki 16 no.1:77-85 '63.

AMINO GROUP

Methods for determining primary amino groups and for the control of the diazotization processes and azo coupling of aromatic amino polymers V.G Siniavskii, A.I.Turbina. Plast massy no 2 63-64 '64.

N-oxides of acridine derivatives containing a bis-(β-chloroethyl) amino group. Z.V Pushkareva, Z.P.Portugalova, R.Kh.Batulina. Zhur.ob.khim 34 no.7:2475-2476 Jl '64

AMINOALKYL GROUPS

Quantitative determination of amino alcohol esters T.A Mikhailova, N.V.Khromov-Borisov. Zhur.anal.khim. 19 no 5:648-650 '64.

AMINOPLASTICS

Quantitative determination of "antiblok" with the FEK-N-57 electrophotocolorimeter. I.M.Dolgova, G.N.Kuriteyna, L.P.Kladnitskaia. Khim.volok. no.3:65-66 '64.

AMINOPYRINE

Combined effect of meprobamate and pyramidon. N.V. Kuzina. Farm.i toks 26 no.5:568-573 S-O '63.

AMIRANASHVILI, MEDEIA

Vocal evenings. Nataliia Rozhdestvenskaia Sov muz 28 no 1:90-91 Ja '64

AMMONIA

Petroleum crude as a source of ammonia. S.A.Feygin, I.N.Sholpo Neftepér i neftekhim. no 8 31-33 '63

Using ammonia as a neutralizing agent in ship diesels operating on sulfurous fuel. IU.M.Akivis, G N.Kharin, A. M Stepanov. Khim. i. tekh. topl. i masel 9 no.4.49-51 Ap '64.

AMMONIUM CHLORIDE

Improving the physicochemical properties of ammonium chloride for its use as an effective nitrogen fertilizer V.P.Batiuk Khim. prom.[Ukr] no 3:44-46 Jl-S '63

AMMONIUM COMPOUNDS

Comparative study of the pharmacological activity of sympatholytics, o-bromobenzyl ammonium derivatives. K.M.Khalimova. Farm.i toks. 26 no.2:179-184 Mr-Ap '63.

Integral intensities of stretching vibration bands of alkyl - O - (P) in the infrared spectra of some thio-organophosphorus compounds. Infrared spectra and structure of bis(alkoxythiophosphono)disulfides of bis(N-trialkyl- and N-dialkylammonium). A.F.Vasil'ev, B.A.Khaskin. Zhur.ob.khim. 34 no.7:2322-2328 Jl '64.

AMMONIUM FLUORIDES

Study of the system $NH_4F - MoO_3 - H_2O$ A A Opalovskii, Z.M.Kuznetsova, S S Batsanov. Izv Sib.otd.AN SSSR no. 9:46-53 '62

AMMONIUM PHOSPHATE CRYSTALS—GROWTH

Effect of the pH on the shape of ammonium dihydrophosphate crystals. I.M.Byteva. Rost krist. 4:22-26 '64.

AMMONIUM SALTS

Amines and ammonium salts. Report No. 22: Thermal cleavage of ammonium salts. A.T.Babaian, G.T.Martirosian, S.T.Kocharian. Izv. AN Arm. SSR. Khim. nauki 16 no.1:37-42 '63.

Hydrogen bonds in alkyl ammonium salts. V.M.Vdovenko and others. Ukr.fiz.zhur. 9 no.4:463-467 Ap '64.

AMMONIUM VANADATES

Kinetics of oxidation of cyclohexanone and 3-methylcyclohexanone with ammonium metavanadate in acid media. L.IA. Lubianitskii. Kin. i kat. 5 no. 2:236-239 Mr-Ap '64.

AMMONOLYSIS

Catalytic oxidation and ammonolysis of propylene on bismuth molybdates. I.K.Kolchin, S.S Bobkov, L.IA.Margolis Neftekhimiia 4 no.2 301-307 Mr-Ap '64.

Surface properties of a catalyst for oxidizing ammonolysis of propylene. S.S.Stroeva and others. Kin. i kat. 5 no.2:355-356 Mr-Ap '64.

AMNESTY

Evteev, M.P. [Expiration and remission of conviction] Pogashenie i sniatie sudimosti. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 62 p.

AMOBARBITAL—TOXICOLOGY

Functional elimination and toxicity of barbamyl and pentothal sodium in hypothermia O L. Rajavee, L B Nurmand. Farm i toks 26 no.5:556-559 S-O '63.

AMORTIZATION DEDUCTIONS

Amortization deductions and their use on collective and state farms V Levchuk Ekon sel'khoz 35 no 6 45-50 Je '61

AMPHIBIA

Liver regeneration in lower vertebrates. N.I.Grigor'ev. Arkh. anat., gist. i embr. 43 no.8:77-87 Ag '62.

AMPHIBIA—EMBRYOLOGY see Embryology—Amphibia

AMPHOTERICIN

Result of the treatment of chromomycosis patients with amphotericin B. A.M.Arievich, V.M.Vatolina. Vest. derm.i ven. 38 no.1:30-32 Ja '64.

AMPLIFIERS (ELECTRONICS)

Nikol'sii, I.A. [Quantum amplifiers] Kvantovye usiliteli. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no.532)

Parameter diagrams of tuned amplifiers. E.M Guttsait. Izv.vys.ucheb zav.; radiotekh. 7 no 2: 205-211 Mr-Ap '64

AMPLIFIERS, ELECTRON-TUBE

Stability of a multicoil amplifier. L.D.Gik. Izv. SO AN SSSR no.2. Ser. tekh nauk no.1:133-137 '64.

Stereophonic low-frequency amplifier IU.Kudriavtsev. Radio no.1 44-47 Ja '64

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMSTERDAM—CHESS—TOURNAMENTS

Chess Sov profsoiuzy 20 no.16:47-48 Ag '64.

AMSTERDAM—HISTORICAL RESEARCH

Trip to the Amsterdam International Institute of Social History. A.I.Malysh. Vop. ist. KPSS 8 no.8 154-156 Ag '64.

AMU DARYA—SEDIMENTATION AND DEPOSITION

Deposition conditions on the Amu Darya N A.TSvetkova Vop gidr no 13 5-86 '63.

AMU DARYA VALLEY—SOIL MICRO-ORGANISMS

Microflora of meadow-Solonchak soils in the middle reaches of the Amu Daray River N. T. Kiseleva, L. N. Paletskaia, E. A. Sokolova, Trudy Inst. bot. AN Turk. SSR 4:6-96 '58.

AMUR PROVINCE—GOITER

Iodinated bread in the prevention of endemic goiter in Amur Province. A.I.Ostroglazov. Vop.pit. 23 no.1: 86 Ja-F '64.

AMUR VALLEY—COAL

Coal resources in the Maritime Territory and the Amur Valley and their present use V.S.Turetskii. Trudy DVFAN SSSR. Ser. khim. no.6:5-13 '62.

ANABAR SHIELD—PETROLEUM GEOLOGY

Reservoir rock properties of the Sinian and Lower Paleozoic sediments of the southern wing of the Anabar anteclise. A.S.Kovtun Trudy VNIGRI no 228:16-26 '64

ANAEROBIC BACTERIA see Bacteria, Anaerobic

ANALEPTICS

Further pharmacological analysis of etephyl (diethyldiamide imidazole-4,5-dicarboxylic acid, IEM-288). L.Kh.Allikmets. Farm.i toks. 26 no.5:531-536 S-O '63.

ANALGESICS

Combined effect of meprobamate and pyramidon. N.V. Kuzina. Farm.i toks. 26 no.5:568-573 S-O '63.

Some current problems in the clinical pharmacology of analgesics. A.K.Sangailo. Farm.i toks. 26 no.2: 138-144 Mr-Ap '63.

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL GEOMETRY see Geometry, Analytic

ANALYTICAL MECHANICS see Mechanics, Analytic

ANAND, MULK RAJ

Face of the dawn. K Radii Az i Afr seg 8 no.7:59 Jl '64

ANAN'EV, ANATOLII ANDREEVICH

Optimism found and tested in combat. V.Bushin Komm. Vooruzh. Sil 4 no.7:89-93 Ap '64.

ANAN'YEVO DISTRICT—PREGNANCY, EXTRAUTERINE

Extrauterine pregnancy according to data of the Ananyev District Hospital in Odessa Province. A.B.Rodik. Akush.i gin. 40 no.1:140-141 Ja-F '64.

ANAPHYLAXIS

Change in the antigen properties of human embryonal tissue during prolonged cultivation A M Eroshkina, V.N.Kolmykova. Vop.onk. 10 no.3:27-33 '64

Changes in the blood coagulation system in anaphylactic shock M.G.Mukhadze, M V.Tordiia. Trudy Inst. eksp i klin.khir i gemat.AN Gruz.SSR 11,163-167 '63.

Effect of some vasodilating and desensitizing preparations on vessels of the isolated rabbit ear under normal conditions and in sensitization L.D.Derevianko. Farm.i toks. 26 no.5,611-616 S-O '63

ANARCHISM

Kosichev, A.D. [The Marxist-Leninist struggle against the ideology of anarchism and the present day] Bor'ba marksizma-leninizma s ideologiei anarkhizma i sovremennost'. [Moskva] Izd-vo Mosk. univ., 1964. 413 p.

ANASTASIYEVKA-TROITSKOYE OIL FIELD—OIL WELL COMPLETION

Efficient perforation-interval arrangement in the wells of gas-oil pools with bottom water and the order of its transfer, a topic for discussion. I D Amelin Neft khoz 42 no 7 45-48 Jl '64

ANATOMY

Plenum of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists, Voronezh, June 11-12, 1963 L E Etingen Arkh. anat., gist i embr 45 no 12,74-79 D '63

ANATOMY—BIBLIOGRAPHY see Bibliography—Anatomy

ANATOMY—PERIODICALS

Czechoslovakian morphological journal "Ceskoslovenska morfologie" for 1962. V.S.Revazov. Arkh. anat., gist. i embr. 45 no.12:69-73 D '63.

ANATOMY, COMPARATIVE

Comparative anatomical aspect of pulmonary zones and segments V.S.Speranskii. Arkh. anat., gist. i embr 43 no.11:29-44 N '62.

Musculus syndesmopharyngeus in the light of the evolution of the branchial musculature of mammals. G.A. Gimmel'reikh. Arkh. anat., gist i embr. 43 no.11:76-82 N '62.

ANATOMY, HUMAN
(see also subdivision under Mongolia)

Original Soviet textbooks of human anatomy for medical students V.V Ginzburg Arkh. anat. gist. i embr 45 no 11:111-121 N '63

ANATOMY, HUMAN—ABSTRACTS

[Abstracts of Soviet medical literature: Normal and pathological morphology with embryology] Sov. med. ref. oboz.; Norm. i pat. morf. s embr no.8 '55. (DNLM)

ANATOMY, HUMAN—BIBLIOGRAPHY see Bibliography—Anatomy, Human

ANATOMY, HUMAN—RESEARCH see subdivision under Kiev

ANATOMY, PATHOLOGICAL

Review of L.D.Krymskii's book "Pathological anatomy of congenital heart defects and complications following their surgical treatment". S.Vail'. Grud. khir. 5 no.5:113-114 S-O '63.

ANCHOVIES see subdivision under Black Sea

ANDREEV, NAUM ANDREEVICH, 1893-

N.A.Andreev. N.P.Petrov. Uch.zap.CHNIIIALIE no.22:298-300 '63.

ANDREEVA, MARIIA FEDOROVNA, 1872-?

Phenomenon; from recollections about Mariia Fedorovna Andreeva. A.Zheliabuzhskii. Teatr 24 no.12:73-81 D '63.

ANEMIA

Case of eperythrozoonosis in cattle. O.F.Grobov Veterinariia 41 no.4:53-55 Ap '64.

Changes in some enzymes of the blood during bloodletting and transfusion in hypothermia. T.M.Goderdzishvili, E.D.Bagrationi, L.Sh.Tevdoradze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:29-34 '63.

Electrophoretic examination of the total blood protein and protein fractions. N.V.Petriashvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:205-211 '63.

ANESTHESIA

[illegible] following administration [illegible] L. F. [illegible] 5 no.5 57- [illegible]

[illegible] patients during [illegible] nitrous [illegible] V I Potapin [illegible]

[illegible] substances on the [illegible] F F Belent- [illegible] lek rast Dal' Vost [illegible]

[illegible] on the electrolyte level [illegible] V. [illegible] Biul. eksp. [illegible] no 10 [illegible]-64 O '63.

[illegible] V I Selegul, [illegible] 1 15-16 Ja [illegible]

ANESTHESIOLOGY

M[illegible], A Z, and V A Mikhel'son [Fundamentals of [illegible] for nurse-anesthetists] Osnovy [illegible] dlia sester-anestezistov Pri uchastii sester-anestezistov N G Krivenko i N. E Medvedkovoi Moskva, Meditsina, 1964 162 p (Biblioteka srednego [illegible])
(DNLM)

ANESTHETICS

C[illegible] pupillary reflexes following the administration [illegible] V P Baskakova Farm i toks [illegible] 5 O '63

[illegible] of the structure and the anesthetic properties [illegible] complex esters of aromatic fatty alcohols [illegible] Farm i toks, 26 no.5 606-611 [illegible] O '63

ANGARA VALLEY—GEOLOGY

Stratigraphy and the conditions governing the formation of the Carboniferous sediments of the Angara Basin [illegible] Trudy VSEGEI 97 159-177 '64.

ANGARA VALLEY—WATER, UNDERGROUND

Water-bearing horizons in the sediments of the [illegible] series in the south of the Angara-Lena artesian basin V V Kurenrol Mat.Kom po izuch podzem vod Sib i Dal' Vost no 2:130-137 '62

ANGINA PECTORIS

Apropos N I Speranskii's article "Problem as to sanatorium and health resort treatment of stenocardia." S R Tatevosov Vop kur fizioter i lech fiz kul't no. 6. 562 563 '63

Effect of nitranol in angina pectoris. I B.Shulutko Khim i med. no 16:29-37 '61.

Nitranol therapy of patients with stenocardia. TS.A Levina. Khim.i med. no 16:44-50 '61.

Once again about the so-called intermittent forms of coronary insufficiency. S.V.Shestakov. Kardiologiia 2 no 6 14-21 N-D '62.

Sanatorium and health resort treatment of stenocardia. V. V Tarasevich Vop kur ,fizioter.i lech fiz kul't no 6 559-561 '63

Treatment of angina pectoris with nitranol A.I. Bochenkova Khim.i med no 16-37-41 '61

Treatment of angina pectoris with nitranol. M.D. *Zaikin and others* Khim.i med. no 16,17-20 '61.

Treatment with nitranol of stenocardia. B.Kh.*Akhmetova*, G.N Teregulov. Khim.i med. no 16,67-70 '61

Use *of etaphen in the treatment* of coronary insufficiency. A. P. Pekahev. Kardiologiia 2 no. 6;69-73 *N-D* '62.

Use of nitranol in stenocardia. Z V.Osipova, Khim.i med. no.16,15-17 '61.

Use of nitranol in the treatment and prevention of stenocardia A.B Shakhnazarov. Khim.i med no.16: 41-44 '61.

ANGIOCARDIOGRAPHY

Anesthesia in special *examinations of* the heart and major vessels. Z. L. Liubicheva, B. S. Uvarov. Grud. khir. 5 no. 5:81-86 S-O '63.

Angio*cardioarchitectonics* under normal conditions and in some heart diseases B I Vorob'ev *Arkh anat* gist i embr 45 no 11 66-70 N '63

ANHYDRIDES

Mixed *anhydrides of* acrylic and methacrylic acids and acid esters of phosphoric, phosphinic, and phosphorous acids. A.N.*Pudovik*, *E.I.*Koshevarova, V M.Gorchakova. Zhur.ob khim. 34 no.7·2213-2216 Jl '64.

ANHYDRITE see subdivision under Almalyk region (Uzbekistan); *Erivan region*

ANILIDES

Derivatives of acylacetic *esters of* the heterocyclic series. Part 5: Synthesis of isonicotinoyl ester, arylides, and azomethine dyes produced *from them* N.S.Vul'fson, V.E Kolchin. Zhur.ob.khim. 34 no.7: 2387-2390 Jl '64.

ANIMAL INTRODUCTION see subdivision under Barents Sea

ANIMAL LOCOMOTION

Functional-morphological characteristics of muscles of the humerus and scapula in animals with different types of locomotion. N A Bodrova Arkh.anat., gist, i embr. 45 no.12,51-56 D '63.

ANIMAL PRODUCTS—PRESERVATION

Preserving the meat of marine animals and the blood of farm animals M E Prakhin Trudy VIZH 25;201-205 '63

ANIMAL WASTE see subdivision under Kazakhstan

ANIMALS—DISEASES AND PESTS

Effect of Argasidae and Ixodidae tick bites on the blood of rabbits. A A Pchelkina Med.paraz.i paraz bol. 32 no 4 473-475 Jl-Ag '63

ANIMALS, INFANCY OF

Formation of a membrane potential in the early period of ontogenesis and its connection with the size of the muscle fiber S I Fudel'-Osipova, O A Martynenko *Biofizika* 8 no 1 45-49 '63

ANISOTROPY

(see also subdivision under Borislav Oil Field)

Anisotropy of fractured rocks and possibilities for finding it using seismic methods B V Pozinenko Trudy VNIGRI no 226 197-207 '64

Certain diffusion problems in anisotropic rocks Z G Kaplan Trudy VNIGRI no 226 208-223 '64

Detection of the anisotropy of the B n-Ge transverse galvanomagnetic effect. A Allanazarov. Izv AN Turk SSR Ser. fiz.-tekh ,khim.i geol nauk no 2 116-118 '63.

Effect of anisotropy dispersion on the dynamic properties of thin permalloy films R V Telesnin, T N Nikitina, Fiz met i metalloved 17 no 5 672-677 My '64

Magnetic anisotropy of films obtained by the simultaneous effect of an external magnetic field and the oblique incidence of a molecular beam R V Telesnin I M Saraeva, V G Shishkov Fiz met i metalloved 17 no 5 693-697 My '64

Temperature dependence of the first anisotropy constant in single crystals of iron-nickel ferrites A I Drokin and others Fiz met i metalloved 17 no 5 684-688 My '64

ANKYLOSTOMIASIS see Hookworm disease

ANNATTO

Production and use of alcohol solutions of annatto *dyestuff* I G. Mokhnachev, N I Pershakova. Khleb i kond. prom 8 no. 7 16-18 Jl '64.

ANNEALING OF METALS

Changes in the rate of magnetic polarity reversal in nickel during annealing following deformation and hardening I IA. Dekhtiar, V. V. Pololniuk *Sbor nauch.* rab Inst metallofiz. AN URSR no 18·206-211 '64.

Changes of dislocation density during the annealing of *deformed metal. I IA* Dekhtiar, V. V. Pololniuk. Sbor. nauch rab Inst. metallofiz AN URSR no 18,32-34 '64

Effect of hardening conditions *on* the coercive force of nickel. *V V Pololniuk.* Sbor nauch rab. Inst. metallofiz AN URSR no 18·212-215 '64.

ANNIVERSARIES

Memorable dates and anniversaries. Part.zhizn' no.15;63 Ag '64.

Noteworthy dates Nar obr. no. 8·127 Ag '64.

ANOSOV, VIKTOR IAKOVLEVICH, 1891-

Viktor IAkovlevich Anosov; on his 70th birthday. *V. A.* Sokolov. Zhur. fiz. khim. 36 no. 3;665 Mr '62.

ANOXEMIA

Conference on the oxygen starvation and respiratory properties *of blood. Zh.* M Vavryk Fiziol. zhur. [Ukr.] 9 no 6·833 N-D '63.

Course of experimental tuberculosis in animals preliminarily *adapted to hypoxia. V. M.Davydova.* Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:35-40 *O '63.*

Role of the central *nervous system* and *adrenals in* adaptive processes in oxygen deficiency. V B. Antonov, V. A. Pukhov. Pat. fiziol. i eksp. ter ap. 6 *no. 4·25-28 Jl-Ag '62*

ANTARCTIC REGIONS

Antarctic biography. S Osokin. Nov mir. 39 no. 12: 264-266 D '63.

Gravity field of the Antarctide and the isostasy. A. I. Frolov. Soob. GAISH no. 135 43-57 '64

"The history of the discovery and exploration of Antar*ctica" by A. F* Treshnikov. Reviewed by A. F Laktionov Izv Vses geog ob-va 96 no 3,259-262 My-Je '64.

ANTARCTIC REGIONS—*ACTINOMETRY*

Actinometric observations on the ships of the Soviet antarctic expeditions. V. I Shliakhov Meteor. i gidrol. no 6,27-30 *Je '64*

ANTARCTIC REGIONS—MAPS

Atlas of Antarctica. A. Z. Aleiner. Mat. Otd. mat. geog. i kart. Geog. *ob-va SSSR* no. 1;49-51 '61.

ANTARCTIC REGIONS—NAVIGATION—MAPS

M. I. Belov's "First Russian Antarctic Expedition, 1819-1821 and its report map on navigation." B A. *Kremer.* Meteor i gidrol. no. 7·52-53 Jl '64.

ANTARCTIC REGIONS—RUSSIAN EXPLORATION

Actinometric observations on the ships of the Soviet antarctic expeditions V I Shliakhov Meteor i gidrol. no 6 27-30 Je '64

M. I Belov's "First Russian Antarctic Expedition, 1819-1821 and its report map on navigation." B. A. Kremer. Meteor i gidrol. no 7 52-53 Jl '64

Moscow-Antarctica-Moscow flight A F Treshnikov Meteor i gidrol no 6 37-41 Je '64

Training aerometeorological team of the 9th Soviet Antarctic Expedition V M Skliarov Meteor i gidrol no 6 43-45 Je '64

ANTENNAS (ELECTRONICS)

Calculation of the phase variation of a wave having passed through a dielectric layer with a reactive array V. A. Kaplun. Radiotekh. i elektron. 9 no. 7:1311-1313 Jl '64.

More about the design of antennas with plane *apertures* B. M. Minkovich. Radiotekh. i elektron 9 no. 7·1309-1310 Jl '64.

Nomogram for calculating the parameters of a linear array of radiators V. E. IAmatkin. Izv. vys. ucheb. zav; radiotekh. 7 no 2:147-153 Mr-Ap '64.

Optimum antenna lattices for determining the angular coordinate of a target. IU. M. Zhidko. Radiotekh. i elektron. 9 no 7:1304-1308 Jl '64.

Problem concerning the choice of antenna height for an ionospheric scatter communication line. V. D Kuznetsov, V. K. Paramonov. Elektrosviaz' 18 no. 5:9-15 My '64.

Statistics of a phased antenna array. L. G. Sodin. Radiotekh. i elektron. 9 no. 7:1179-1187 Jl '64.

Through the pages of foreign magazines *Radio no 1 60* Ja '64.

Wideband highly directional decameter wave antennas. L. L. Bazelian and others. Elektrosviaz' 18 no. 5:14 21 My '64.

ANTHELMINTICS

Naphthamon treatment of necatoriasis. Sh. M. Bugiashvili, A. S. Machavariani, V. M. Kvachadze. Med. paraz. i paraz. bol. 32 no. 4:400 Jl-Ag '63.

Results of mass treatment of ancylostomiasis with alcopar (naphthamon). E. A. Zhitnitskaia. Med. paraz. i paraz. bol. 32 no. 4:389-394 Jl-Ag '63.

Treatment *of* ascariasis with naphthamon (alcopar). *G. V. Khorava and* others. Med. paraz. i paraz. bol. 32 no. 4:397-399 Jl-Ag '63.

ANTHRACENE

Local *activation effect* in the low temperature pyrolysis of anthracene and bianthryl. A. A. Berlin and others. *Dokl. AN SSSR* 156 no. 6:1371-1374 Je '64.

Process of condensation of 9, 10-bis (chloromethyl) *anthracene* with phenol. N. K. Moshchinskaia, M. S. Ogii. Trudy *DKHTI* no. 10:53-58 '62.

Unsaturated polyglycolmaleic resins modified by anthracene. S. I. Omel'chenko and others. Plast. massy no. 2: *17-19 '64.*

ANTHRACENE CRYSTALS—SPECTRA

Polarization of the luminescence of pure and impurity anthracene crystals V. L. Zima, D. S. Pekar, O. M Faidysh. Dop. AN URSR no. 8:1043-1046 '64.

ANTHRACENEDICARBOXYLIC ACID

Some derivatives of anthracene-1-carboxylic and anthracene-1,4-carboxylic acids. N. S. Dokunikhin, V. IA. Fain. Zhur. ob. khim. 34 no. 7:2374-2378 Jl '64.

ANTHRAQUINONE

1-Diethyl- and 1-dibutylaminoanthraquinones and the [illegible] dealkylation of 1-diethylaminoanthraquinone. F. F. *Fokin, O. I.* Andrievskaia, V. V. Russkikh. Izv. Sib. otd AN SSSR no. 7:103-106 '62.

ANTHRAQUINONE CRYSTALS

Crystalline structure of 1, 5-dibromoanthraquinone. L. A. Chetkina, G. A. Gol'der, G. S Zhdanov. Kristallografiia *8 no. 2 194-200 Mr-Ap* '63.

ANTHRAX—MICROBIOLOGY

Indication of Bacillus anthracis by means of the medium developed by the Tarasevich State Institute for the Testing of Medical Biological Preparations IU. I Boikov. Veterinariia 41 no 4 16-18 Ap '64

ANTHROIC ACID

Some derivatives of anthracene-1-carboxylic and anthracene-1,4-*carboxylic acids. N. S.* Dokunikhin, V. IA. Fain. Zhur. ob. khim. 34 no. 7:2374-2378 Jl '64.

ANTHRONE

Modification of the anthrone *method for* determining sugar in the blood, excretions and some foodstuffs. IE. H Morhun. *Fiziol. zhur.* (Ukr] 9 no. 6:830-832 N-D '63.

Pyridazone-*anthrone* and its derivatives. Part I. N. S. Dokunikhin, *V. IA.* Fain. Zhur. ob. khim. 34 no. 7:2372-2374 Jl '64.

ANTIAIRCRAFT ARTILLERY

In order to open fire faster. V.Spivakin. Voen.vest. 44 no.7,93-94 Jl '64.

A low flying target in the air N.Shasha Starsh.-serzh no 7.22 Jl '64

Training a platoon for firing at diving targets. L.Bakov. Voen.vest. 44 no.7;91-93 Jl '64.

ANTIBIOTICS

Antibiotics in animal husbandry. N.I.Leonov. Khim v sel'.khoz. 2 no.4:49-51 Ap '64.

Effect of antibiotics on the formation of antibodies in immunizing sheep with brucellosis vaccine. G.A Shakarian and others Izv.AN Arm.SSR Biol nauki 17 no 2:55-62 F '64.

Effect of cobalt chloride on the antibiotic sensitivity of Escherichia coli S.T Mnatsakanov Zhur.eksp i klin med. 4 no. 2:27-30 '64

Fate of the patient with nephrolithiasis of a solitary kidney. A.M.Voino-IAsenetskii. Urologiia no.1:11-15 '64.

Hygienic evaluation of meat treated with antibiotics to prolong the period of its preservation. IU I Rubinshtein and others. Vop.pit. 22 no 3,51-55 My-Je '63.

Morphological characteristics of staphylococcal pneumonia treated with antibiotics in very young children. A.S.Shelepin. Trudy Tadzh.med inst. 31:55-71 '61.

Use of sulfanilamides and antibiotics in acute radiation sickness. V.I.Barbolin. Voen.-med.zhur. no.1.50-53 '63.

Use of the antineoplastic antibiotics olivomycin (16749) and 6613 in the treatment of leukemia. M.M.Kaverzneva. Probl.gemat.i perel.krovi 8 no.8:22-25 Ag '63.

ANTIBIOTICS AS FEED

(see also subdivision under White Russia)

[Manual on feed antibiotics] Spravochnik po kormovym antibiotikam. Minsk, Izd-vo "Urozhai," 1964. 549 p.
(DNAL)

New antibiotics in poultry raising. O.A.Gavrilova. Trudy VIZH 25:174-186 '63.

ANTICOAGULANTS (MEDICINE)

Comparative clinical study of syncoumar (syntrom), a new anticoagulant. N.K.Valeiko. Kardiologiia 2 no.6 66-69 N-D '62.

Role of anticoagulants in the prevention of experimental coronary insufficiency. D.K.Bogomolova. Kardiologiia 2 no.6:54-59 N-D '62.

ANTIGENS AND ANTIBODIES

"Antibodies" of plant origin and some research problems. M.I.Potapov. Usp.sovr.biol. 55 no.2:191-203 Mr-Ap '63.

Antigen properties of the blood serum and placental extracts in late pregnancy toxemias; experimental research. P.G.Zhuchenko. Akush.i gin. 40 no.1:64-69 Ja-F '64.

Antigenic structure of leptospirosis agents with respect to the ecology of basic host animals. A.A.Varfolomeeva, M.IA.Lavrova. Biul MOIP.Otd biol. 68 no.3 14-20 My-Je '63

Autoantibodies in some dermatoses detected by the indirect Coombs' test. S.Stoianov, I.Ivanov. Vest. derm.i ven. 38 no.1:18-21 Ja '64.

Distribution of the infectious virus and viral antigen in the body of rats and mice infected with Rous virus. E.N.Kriukova, I.B Obukh. Vop.onk. 10 no.3:3-8 '64.

Effect of antibiotics on the formation of antibodies in immunizing sheep with brucellosis vaccine. G.A. Shakarian and others. Izv.AN Arm.SSR.Biol.nauki 17 no.2:55-62 F '64.

Formation of antibodies and phagocytic activity of blood neutrophils under the influence of galascorbin. E.F. Shamrai, A.P.Moroz. Vop.pit. 22 no.3;56-60 My-Je '63.

In vitro and in vivo study of the cytotoxic effect of cellular and humoral isoantibodies. Report No.1: Cytotoxic effect of humoral isoantibodies from cells resistant to sarcoma in mice. B D.Brondz. Vop.onk. 10 no.3:9-16 '64.

Incomplete antibodies detected with the aid of Coombs' test in the blood of irradiated animals. R.V.Petrov, G.M.L'vitsyna. Pat.fiziol.i eksp.terap. 6 no.4 63-68 Jl-Ag '62.

Protein fractions in the human placenta; immunoelectrophoretic study. D.Muzhnai. Akush.i gin. 39 no.5; 25-32 S-O '63.

Sensitization in pregnancy with the Kell group factor and the distribution of this factor. M.A Umnova, T.M.Piskunova, T.A Ichalovskaia. Akush i gin. 39 no.5:79-82 S-O '63.

Therapeutic and cytotoxic action of antibodies and their role in the pathogenesis of cancer. I.N.Maiskii and others. Usp.sovr.biol. 55 no.2:219-238 Mr-Ap '63.

Transformation of micro-organisms by various fractions of microbial allergens. G.A.Kudrina, P.P.Sakharov. Agrobiologiia no.1:54-64 Ja-F '64.

ANTIMETABOLITES

Potential antimetabolites. Part 12: Synthesis of β-(2,4-dihydroxy-6-methyl-5-pyrimidinyl)alanine. IU.P.Shvachkin, L.A.Syrtsova. Zhur.ob.khim. 34 no.7:2159-2164 Jl '64

Potential antimetabolites. Part 13: Synthesis and properties of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidinyl)alanine. IU.P.Shvachkin, G G Krivtsov. Zhur. ob.khim. 34 no.7 2164-2167 Jl '64.

Potential antimetabolites. Part 14: Pyrimidinyl-N-α-amino acids. IU.P.Shvachkin, M.T.Azarova. Zhur. ob.khim 34 no.7 2167-2173 Jl '64.

ANTIMONY—ANALYSIS

Determining indium, antimony, and tellurium in alloys. V.S.Nagibin, E.V.Liventseva. Trudy Inst.met. no.11, 255-258 '63.

Photometric determination of antimony impurities in gallium, indium, and thallium E A Biriuk Zav lab 30 no.6 651-652 '64.

ANTIMONY—ELECTROMETALLURGY

Investigating the cementation of antimony and arsenic from alkali-sulfide solutions. I R Polyvianny L N Sysoev Trudy Inst met i obog AN Kazakh SSR 8 57-64 '63

ANTIMONY-BISMUTH ALLOYS—THERMOELECTRIC PROPERTIES

Thermoelectromotive force in liquid alloys of the system antimony-bismuth IA I Dutchik, O P.Stets'kiv, S I Lysyi Fiz.met i metalloved 17 no 6 940-941 Je '64.

ANTIMONY-GERMANIUM ALLOYS see Germanium-antimony alloys

ANTIMONY-INDIUM ALLOYS see Indium-antimony alloys

ANTIMONY ORGANIC COMPOUNDS

Pentaalkenyl compounds of antimony. A.N.Nesmeianov, A.E.Borisov, N.V.Novikova. Izv.AN SSSR.Ser khim. no.7;1202-1209 Jl '64

Trialkenyldialkyl and trialkenyldiaryl compounds of antimony. A.N.Nesmeianov, A.E Borisov, N.V. Novikova. Izv.AN SSSR Ser.khim no.7;1197-1202 Jl '64.

ANTINEOPLASTIC AGENTS

Changes in depolymerase activity of nucleic acids in rats with transplantable tumors under the influence of ethylenimine derivatives. V.A.Chernov, Zh.F.Presnova. Vop.onk. 9 no.6:70-78 '63.

Experimental data relative to the pharmacology of hippophaine (5-hydroxytryptamine hydrochloride). A.P.Belikova and others. Farm.i toks 25 no.6: 705-711 N-D '62.

In vitro and in vivo study of the cytotoxic effect of cellular and humoral isoantibodies Report No.1: Cytotoxic effect of humoral isoantibodies from cells resistant to sarcoma in mice B.D.Brondz Vop.onk 10 no.3,9-16 '64.

Potential cytotoxic groupings. Part 4: Esters of N-(2-chloroethyl)-N-arylsulfamic acids. L.S.IAguzhinskii, A.IA.Berlin. Zhur.ob.khim. 34 no 7;2133-2137 Jl '64.

Use of the antineoplastic antibiotics olivomycin (16749) and 6613 in the treatment of leukemia. M.M.Kaverzneva. Probl.gemat.i perel.krovi 8 no.8:22-25 Ag '63.

ANTIOXIDANTS

Markman, A.L., and A.I.Glushenkova. [Oxidation processes in edible oils and fats and methods for their control] Okislitel'nye protsessy v pishchevykh zhirakh i metody bor'by s nimi. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 40 p.
[MICROFILM]

Stable radicals as antioxidants. M.B.Neiman, E.G. Rozantsev. Izv.AN SSSR.Ser.khim. no.7·1178-1184 Jl '64.

ANTISPASMODICS

Ataractic properties of the series of 4-mono- and 1,4-disubstituted pyrazoles. K.S.Raevskii, IU.M.Batulin. Farm.i toks. 26 no.5 551-556 S-O '63.

ANTITUBERCULAR AGENTS

Experimental study of diambutol, a new antituberculosis preparation. M.A.Breger, A.M.Chernukh. Biul.eksp. biol.i med. 55 [i.e.56] no.10:55-57 O '63.

ANTONII, Bishop of Belgorod-Dnestrovskiy, 1924-

Address of His Holiness Patriarch Aleksii upon bestowing the prelatic crosier on Antonii, Biship of Belgorod-Dnestrovskiy. Zhur.Mosk.Patr. no.7·15 '64.

Nomination and ordination of Archimandrite Antonii (Mel'nikov). Zhur.Mosk.Patr. no.7·17-19 '64.

ANTS

(see also subdivision under Georgia)

"Someone in black." IU.Popkov. Nov.mir 40 no.2: 278-280 F '64.

AORTA—DISEASES

Prevention of hazardous hemodynamic changes in occlusion of the thoracic and abdominal aortas in experimental renal hypertension. S.A.Gasparian, V.G. Akopian. Grud.khir. 5 no.5:33-41 S-O '63.

AORTA—INNERVATION

Innervation of the aortic wall in the frog. A.G.Korotkov Arkh.anat.gist i embr. 45 no 11·96-101 N '63

AORTA—RADIOGRAPHY

Transfemoral aortography in renal tuberculosis. V.B. Sytenko. Probl tub. 42 no.1 54-57 '64.

AORTA—SURGERY

Homoplasty of the thoracic aorta. K.D.Eristavi, G.IA. Odishvili, D I.Kandelaki Trudy Inst.eksp i klin.khir. i gemat AN Gruz.SSR 11:3-14 '63.

AORTIC ANEURYSMS

Chronic dissecting aortic aneurysm. T.F.Kogol. Arkh. pat. 26 no.2:81-83 '64.

APARTMENT HOUSES

(see also subdivision under Sverdlovsk, Ural Mountain region)

Measures for further improving the quality of large-panel housing construction. Biul stroi.tekh. 20 no 7 3-5 Jl '63.

Quality of the sealing of joints of exterior walls of apartment buildings constructed of large panel elements L N Tolstykh Sbor nauch rab AKKH no 16 3-14 '62.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Ukraine)

Pushkarev, V.V. [Assembly-line construction of apartment houses and buildings for cultural and social purposes] Stroitel'stvo zhilykh domov i kul'turno-bytovykh zdanii potochnymi liniiami. Moskva, Stroiizdat, 1964. 161 p.

Rudakov, P.G., and E.P.Fedorov. [Urban housing; practices in the use of standard designs] Gorodskoe zhilishchnoe stroitel'stvo; opyt primeneniia tipovykh proektov. Moskva, Stroiizdat, 1964. 103 p. illus.

Zaporozhets, L.N. [Comprehensive mechanization of work; block construction of residential areas] Kompleksnaia mekhanizatsiia rabot; kvartal'naia zastroika zhilykh massivov. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 38 p.
[MICROFILM]

APARTMENT HOUSES—HEATING AND VENTILATION

Central heating systems with tool steel radiators. Biul. stroi tekh 20 no 12 17-19 D '63

Operation of heating and ventilating systems in the large block slag concrete apartment houses S V Kozhukhov. Sbor.nauch rab AKKH no 16 53-69 '62

APATITE

Busyrev, V.M., and V.V.Gushchin. [Efficiency of mining apatite and nepheline ores by the induced level caving system] Effektivnost' razrabotki apatito-nefelinovykh rud sistemoi etazhnogo prinuditel'nogo obrusheniia. Moskva, Izd-vo "Nauka," 1964. 97 p.

APOLLOV, BORIS ALEKSANDROVICH, 1880-

Boris Aleksandrovich Apollov; on his 75th birthday and the 50th anniversary of his work Meteor.i gidrol. no.7.57-58 Jl '64

APOMORPHINE

Emetic effect of apomorphine, morphine and aconitine in various types of administration. L.L.Grechishkin, V.E.Ryzhenkov. Farm.i toks. 26 no.5;578-584 S-O '63.

APOPLEXY

Cardiac changes in cadavers of insultus patients; clinical and electrocardiographic data. E.F.Drigo, E.Z. Ustinova. Zhur.nevr.i psikh. 63 no.9·1361-1367 '63.

Surgical treatment of cerebellar hemorrhage; a review of literature. L.S.Soskin. Zhur.nevr.i psikh. 63 no.9 1427-1432 '63.

APPELLATE PROCEDURE

The bench of cassation is in session. F.Kamenskii. Sots.zakon. 41 no.4·31-34 Ap '64.

Business of the benches of the Supreme Court of the U.S.S.R. V.Paniugin, G.Anashkin, D.Terekhov. Sots.zakon. 41 no 4;16-24 Ap '64.

Establishing statutory periods for review of civil decisions in appellate procedure V.Puchinskii Sov. iust 28 no 7·17-18 Ap '64.

The role of cassation courts in securing the legality and correctness of court decisions. M.A.Kabakova. Vest. LGU 19 no.11;104-112 '64.

Supervisory review of court decisions. P.IA.Trubnikov. Sov.gos.i pravo 34 no.7,45-54 Jl '64.

APPENDICITIS

Acute appendicitis in senile and old age. M.E.Komakhidze, G.B.Bochorishvili. Trudy Inst.eksp.i klin. khir.i gemat.AN Gruz.SSR 11;241-251 '63.

Rupture of the ovary and acute appendicitis. M.A. El'kin, F.P.Tikhomirova. Sov.zdrav.Kir. no.6:9-12 N-D '63.

X-ray diagnosis of chronic appendicitis in children. K.A.Vardanian. Vop.rent.i onk. 7 131-138 '63.

APPENDIX (ANATOMY)

Age-related morphology of the human appendix. S.E. Gleiberman. Arkh.anat.,gist i embr. 43 no 11;45-51 N '62.

Lymphatic capillaries of the mucosa of the appendix with transplated cancer. A.L.Rotenberg. Arkh.anat., gist.i embr. 43 no.8;96-98 Ag '62.

APPENDIX (ANATOMY)—INNERVATION
Innervation of the serous membrane of the appendix. T IA Tkachenko Fiziol zhur (Ukr) 9 no 6 821-824 N-D '63

APPENDIX (ANATOMY)—RADIOGRAPHY
X-ray diagnosis of chronic appendicitis in children. E A. Vardanian Vop rent i onk 7 131-133 '63

APPETITE
Effect of preparations derived from some Far Eastern and Siberian medicinal plants on the appetite of experimental animals I. D Shuliateva, T.M.Smolina, K.I Stepanova Mat k izuch zhen' i drug lek rast. Dal' Vost no 5 253-256 '63

APPLE
Correlation between growth dynamics of the aerial parts and the root system of Simirenko's reinette depending on age and growing conditions R.V Kosheleva Biul nauch -tekh inform Turk nauch -issl.inst.zem za 1963 g 44-48
Effect of pollinizers on the properties of apple. H. A. Ambrosava. Vestsi AN BSSR. Ser. biial. nav. no. 4,63-72 '62.
Winter hardiness of apple trees grown from the tissues of crown and root. F.S.Chernenko. Nauch. dokl. vys. shkoly; biol. nauki no. 2:190-196 '64

APPLE—DISEASES AND PESTS see subdivision under Leningrad Province

APPLE—STORAGE see subdivision under Alma-Ata region

APPROXIMATE COMPUTATION
Adjusting 3d and 4th order triangulation by approximation P A. Gaidaev Geod i kart no 5 23-24 My '64.
Certain partially ordered objects in the theory of approximation methods. S.N Slugin. Izv. vys. ucheb. zav., mat no 6:138-151 '63.
Gribanov, V. U. [Approximate computations in secondary schools, a teachers' manual] Priblizhennye vychisleniia v srednei shkole, posobie dlia uchitelei. Izd. 2., perer. Moskva, Prosveshchenie, 1964. 111 p.

APROPHEN
Effect of reserpine, aminazin and aprophen in experimental hypertension M V. Pan'shina. Farm. i toks 26 no 5 537-542 S-O '63.

APSHERON ARCHIPELAGO—CLAY
Formation of the properties of clay rocks in the Apsheron Archipelago in connection with their lithification F.S Aliev Dokl AN SSSR 157 no 1 105-107 Jl '64

APSHERON ARCHIPELAGO—GAS, NATURAL—GEOLOGY
Establishing the gas potential and hydrocarbon composition of the gas in the red-colored productive formation of the Apsheron Archipelago and Cheleken structures Z IA. Kravchinskii. Dokl AN Azerb. SSR 19 no. 3:31-34 '63

APSHERON ARCHIPELAGO—ROCKS, SEDIMENTARY—ANALYSIS
Lithofacies sediments of the Kirmaki and Sub-Kirmaki series in a producing formation of the Apsheron Archipelago V A. Orudzhev. Azerb neft. khoz 43 no 5:11-13 My '64

APSHERON PENINSULA—GEOLOGY, STRUCTURAL
Tectonic correlation of Tertiary and Mesozoic sediments in the northern part of the Apsheron Peninsula K. A Ismailov, N IU Khalilov Dokl AN Azerb. SSR 19 no. 9:39-43 '63

APSHERON PENINSULA—GOMPHOCARPUS
Gomphocarpus fruticosus (L.) an accidental plant of African origin on the Apsheron Peninsula. L. I Prilipko. A N. Shcherbakov Dokl AN Azerb. SSR 19 no. 3 57-59 '63

APSHERON PENINSULA—OIL FIELD FLOODING
Results of water injection with simultaneous forced exploitation in the northern periclinal horizon 2–3a of the Surakhany field. E. A. Voroshilov. Nefteprom. delo no. 4:10-15 '63.

APSHERON PENINSULA—OIL WELL SHOOTING
Cableless perforator. Ch. M. Sheidaev. Azerb. neft. khoz. 42 no. 6 43-44 Je '63.

APSHERON PENINSULA—PETROLEUM GEOLOGY
Characteristics and conditions governing the formation of stratigraphic pools in the Sub-Kirmaki series of fields in the southwestern part of the Apsheron Peninsula. F. M. Guseinov. Azerb. neft. khoz. 43 no. 3:7-9 Mr '64.
Nature of the relief of the sedimented basin of the lower sector of the producing formation in the southern coastal line of the Apsheron Peninsula. V. M. Makhmudova. Azerb. neft. khoz. 43 no. 2:4-7 F '64.
New type of oil and gas pool A. G. Durmishian. Neft. khoz 42 no 7 35-38 Jl '64

APSHERON PENINSULA—PETROLEUM PRODUCTION
Dependence of the final recovery factor on the quantity of water withdrawn from a pool M. Z. Chernomordikov, B A. Shapiro. Nefteprom. delo no 7:3-7 '64.

APSHERON PENINSULA—STRAWBERRIES—VARIETIES
A new variety of large fruit strawberry of the Apsheron Peninsula. I. K. Abdullaev, A. I. Musaev. Dokl. AN Azerb. SSR 20 no 5:53-56 '64.

ARAB COUNTRIES—FOREIGN RELATIONS—RUSSIA
The spring of Soviet-Arab friendship Az i Afr. seg. 8 no. 7 4-6 11 Jl '64

ARAB REFUGEES see Refugees, Arabic

ARABIAN PENINSULA—BOUNDARIES
Neutral zones of the Arabian Peninsula. O. Gerasimov. Mir. ekon. i mezhdunar. otn no. 8:129-130 '64.

ARABIC ALPHABET
Reflection of the special phonetic features of the Turkic languages in the works of the Arabic philologists from the 11th through the 14th century. Z. B. Mukhammedova, Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:61-65 '64

ARAGON, LOUIS, 1897- —BIBLIOGRAPHY see Bibliography—Aragon, Louis, 1897-

ARAKS VALLEY—GEOLOGY, STRUCTURAL
Recent tectonics of the Araks salt-bearing basin. S.K. Arzumanian, G.P. Simonian. Dokl. AN Arm. SSR 39 no. 1:45-48 '64.

ARAKS VALLEY—SALT DEPOSITS
Recent tectonics of the Araks salt-bearing basin. S.K. Arzumanian, G.P. Simonian. Dokl. AN Arm. SSR 39 no. 1:45-48 '64.

ARAL SEA—FISHERIES
Akademiia nauk Uzbekskoi SSR, Tashkent, Karakalpakskii filial. [*Fish stock of the Aral Sea and methods for its efficient exploitation*] Rybnye zapasy Aral'skogo moria i puti ikh ratsional'nogo ispol'zovaniia. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 193 p.

ARALIA
Aralosides A, B and C from Aralia elata. A. IA. Khorlin, L. V. Bakinovskii, V. E. Vas'kovskii. Izv. AN SSSR. Ser. khim no. 7:1338-1340 Jl '64.

ARARAT PLAIN—CUCUMBERS
Effect of the training of the cucumber vine and the space arrangement of plants on the cucumber yield in greenhouses. B. S. Kamsarakan. Izv. AN Arm. SSR. Biol. nauki 15 no. 12:45-51 D '62.

ARBITRATION AND AWARD—CASES
Arbitration practice Sov. iust 28 no. 7:32 Ap '64.
Government arbitration practice. Sots. zakon. 41 no. 4:81 Ap '64.

ARBORS AND MANDRELS—STANDARDS
Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cam-type arbors for lathes, design and construction] Opravki dlia tokarnykh stankov kulachkovye, konstruktsiia i razmery (MN 5267-63—MN 5270-63). Moskva, Izd-vo standartov, 1964. 39 p. (SSSR. Normali mashinostroeniia)
Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Roller arbor for lathes; design and dimensions] Opravki dlia tokarnykh stankov rolikovye, konstruktsiia i razmery (MN 5229-63, MN 5230-63) Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

ARBUZOV, SERGEI IAKOVLEVICH, 1903-
S. IA. Arbuzov; on his 60th birthday. Farm. i toks. 26 no. 5:638-639 S-O '63.

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOLOGICAL RESEARCH see subdivision under Leningrad

ARCHAEOLOGY
(see also subdivision under East; Soviet Central Asia)
Results of field studies of archaeologists and ethnographers, session of the Department of History Vest AN SSSR 34 no 7:46-56 Jl '64.

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY—CONGRESSES
Moscow. Universitet. Istoricheskii fakul'tet. [Collection of reports at the Sixth and Seventh [illegible]

ARCHAEOLOGY, UNDERWATER see subdivision under Greece

ARCHANGEL PROVINCE—SOILS
Soil formation in the northern taiga of Archangel Province. E. I. Gagarina, L. S. Schastnaia, A. A. Khantulev. Nauch. dokl. vys. shkoly; biol. nauki no. 3:197-201 '64.

ARCHITECTURAL ACOUSTICS
Moscow. Vsesoiuznyi zaochnyi inzhenerno-stroitel'nyi institut. Kafedra arkhitektury. [Principles of structural physics; a textbook for students specializing in construction at the All-Union Engineering and Construction Correspondence Institute] Osnovy stroitel'noi fiziki; uchebnoe posobie dlia studentov stroitel'nykh spetsial'nostei VZISI Moskva,
Sec. 1. [Structural heat engineering] Stroitel'naia teplotekhnika. 1963. 76 p.
Sec. 2. Serbinovich, P. P., comp. [Structural acoustics] Stroitel'naia akustika. 1962. 26 p.
Sec. 3. [Structural lighting engineering] Stroitel'naia svetotekhnika. 1963. 30 p.
[MICROFILMS]

ARCHITECTURE
Bartenev, I. A. [Principles of architectural knowledge for artists] Osnovy arkhitekturnykh znanii dlia khudozhnikov. Moskva, Izd-vo "Iskusstvo," 1964. 241 p. illus
Kazarinova, V. I. [Interrelationship of architecture and structural engineering] Vzaimosviaz' arkhitektury i stroitel'noi tekhniki. Moskva, Stroiizdat, 1964. 173 p.

ARCHITECTURE—ABSTRACTS
[Journal of abstracts: Construction and architecture] Ref. zhur.: Stroi. i arkhit. 6 no. 4 '64.

ARCHIVES
(see also subdivision under Ryazan Province; *Vyatka Government*)
Chronicle. Vop. arkh. 8 no. 3:120-126 Jl-S '63
Decision of the Council of Ministers of the U.S.S.R. "Concerning measures for improving archival work in the U.S.S.R." Vop. arkh. 8 no. 3:3-6 Jl-S '63.
Description of materials in the Archives of the Ministry of Defence of the U.S.S.R. G. I. Rybenkov. Vop. arkh. 8 no. 3:75-78 Jl-S '63.
First meeting of the Collegium of the Main Archival Department of the Council of Ministers of the U.S.S.R. Vop. arkh. 8 no. 3:8-10 Jl-S '63.
Improving the use of documentary materials in the light of the decisions of the June Plenum of the Central Committee of the CPSU. Vop. arkh. 8 no. 3:30-34 Jl-S '63.
Increase the wealth of state archives. V. E. Ardikutsa. Vop. arkh. 8 no. 3:38-41 Jl-S '63.
Organization of work in photographic sections of State archives of autonomous republics, territories, and provinces. Vop. arkh. 8 no. 3:86-90 Jl-S '63.
Results of the work of Party archives in 1962 and their tasks in the light of the decisions of the June Plenum of the Central Committee of the CPSU. A. A. Solov'ev. Vop. arkh. 8 no. 3:11-20 Jl-S '63.
Sailing directions for the archival sea. M. Nechkina, E. Rudnitskaia, S. Mikulinskii. Nov. mir. 39 no. 12: 260-263 D '63.
Selecting materials for historical research from records of an operating institution. V. S. Poznanskii. Vop arkh. 8 no. 3:78-80 Jl-S '63.
Selection of documents for State preservation. S. T. Pleshakov, A. D. Stepanskii. Vop. arkh. 8 no. 3:21-30 Jl-S '63.
Work of the methodological commission of the Central State Archives of Military History; experience with the generalization of practical operations. G. P. Frolov. Vop. arkh. 8 no. 3:54-63 '63

ARCHIVES—CONGRESSES
International meetings of archivists. G. A. Belov. Vop arkh. 8 no. 3:100-112 Jl-S '63.
Meeting of activists employed in archival institutions. Vop. arkh. 8 no. 3:6-8 Jl-S '63.

ARCTIC ARCHIPELAGO—MILITARY BASES, AMERICAN
Modern significance of the Canadian Arctic Archipelago and the Northwest Passage. V. A. Nefedov. Izv. Vses. geog. ob-va 96 no. 3 250-254 My-Je '64.

ARCTIC REGIONS—DRIFTING ICE STATIONS
Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. [Materials of the observations of the "North Pole-8" and "North Pole-9" research drifting stations in 1960-1961] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-8" i "Severnyi polius-9" 1960/1961 goda. Moskva, Izd-vo "Transport," 1964. 589 p. (Its Trudy, vol. 261)

ARCTIC REGIONS—GEOLOGY, STRUCTURAL—MAPS
New tectonic map of the arctic regions. I. P. Atlasov and others. Dokl. AN SSSR 156 no. 6:1341-1342 Je '64

ARECOLINE—PHYSIOLOGICAL EFFECT
Choline-reactive structures of the mesencephalon; a pharmacological study. R. IU. Il'iuchenok, N. U. Ostrovskaia. Farm. i toks. 25 no. 6:643-651 N-D '62.

ARGENTINA—ORTHODOX EASTERN CHURCH
Arrival of Bishop Nikodim (Rusnak) at the Argentine diocese. A G Vas'ko. Zhur. Mosk. Patr. no. 5:14-16 '64.

ARGILLITE see subdivision under Siberia; Ural Mountains

ARGININE

Arginine and ornithine consumption by Pseudomonas pyocyaneum P. and Pseudomonas fluorescens E.N Disler. Dokl. AN SSSR 156 no. 6:1448-1450 Je '64.

ARGON

Ionization relaxation behind a shock wave front in argon with a cesium impurity. I.T. IAkubov. Zhur. tekh. fiz. 34 no. 5:879-882 My '64.

ARGON ISOTOPES

Elastic scattering of protons by Ar^{36} nuclei. V.E. Storizhko, A.I. Popov. Izv. AN SSSR Ser. fiz. 28 no. 7:1145-1151 Jl '64.

Inelastic scattering of protons by Ar^{36} nuclei. A.K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 28 no 7: 1137-1139 Jl '64.

ARITHMETIC—AUDIO-VISUAL AIDS

Two aids for the study of the multiplication table. G.B. Fellik. Nach. shkola 32 no. 7:92-93 Jl '64.

ARITHMETIC—PROBLEMS, EXERCISES, ETC.

How to teach students to solve problems independently. T.K. Zhikalkina. Nach. shkola 32 no. 7:29-34 Jl '64.

ARITHMETIC—STUDY AND TEACHING

Arithmetic. N.G. Utkina. Nach. shkola 32 no. 8:14-23 Ag '64.

First arithmetic lessons in the first grade. M.S. Nakhimova. I.A. Popova. Nach. shkola 32 no. 8:40-52 Ag '64

Forming in younger students the ability to solve arithmetic problems by setting up equations. A.V. Saripchenko. Izv. APN no. 129:97-101 '63.

Homework in arithmetic. E.G. Rozanova. Nach. shkola 32 no. 8:77-80 Ag '64.

Learning combined problems on multiplication and division P.M. Kadnilov. Rad. shk. 42 no. 4:63-68 Ap '64.

Popova, N.S. [Teaching material on arithmetic for the first grade of eight-year schools] Didakticheskii material po arifmetike dlia I klassa vos'miletnei shkoly. Izd. 3. Moskva, Prosveshchenie, 1964. 85 p.

ARKADAK (SARATOV PROVINCE)—OIL INDUSTRIES

Fiftieth anniversary of the Arkadak Oil Mills. V.I. IAroslavskii. Masl.-zhir. prom. 30 no. 7:41 Jl '64.

ARKHANGEL'SKII, ALEKSANDR MIKHAILOVICH, 1903-

Aleksandr Mikhailovich Arkhangel'skii; on his 60th birthday A.A. Borisov, A. IA. Stepanov. Izv. Vses geog. ob-va 96 no 3 255-256 My-Je '64.

ARLAN REGION—PETROLEUM REFINING—DESALTING

Experience in desalting Arlan oil at the Salavat Combine. B M Gal'perin and others. Neftepер. i neftekhim no. 5. 9-12 '63

ARMED FORCES see subdivision under Japan; Russia

ARMENIA—AGRICULTURAL CHEMISTRY

Some problems of the chemicalization of agriculture in Armenia. G.S. Davtian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:3-9 F '64.

ARMENIA—AGRICULTURAL PRICES

Improve material incentives for collective farms. A Airumian, S. Mel'komov. Ekon sel'khoz. 35 no 6 94-98 Je '64

ARMENIA—AGRICULTURE—LABOR PRODUCTIVITY

Program of the CPSU and the increasing of the productivity of agricultural labor. V.O. Bagdagiulian. Izv. AN Arm. SSR. Obshchestv. nauki no. 2:3-12 F '64.

ARMENIA—BEZOAR GOAT—FEEDING AND FEEDS

Feeding conditions of the bezoar goat (Capra aegagrus Erxl.) on the Urts (Saraybulag) range. K.M. Gasparian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:85-100 F '64.

ARMENIA—BRONZE AGE

Bronze bracelets in the Armenian State Museum. S.A. Esaian. Izv. AN Arm. SSR. Obshchestv. nauki no. 2: 83-94 F '64.

ARMENIA—CALVES—DISEASES AND PESTS

Effectiveness of monomycin in calf diseases. A.B. Bolakhchian, B.A. Akunts, M.S. Arevshatian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:83-87 F '64.

ARMENIA—COLLECTIVE FARMS—TAXATION

Improve material incentives for collective farms. A. Airumian, S. Mel'komov Ekon. sel'khoz 35 no. 6: 94-98 Je '64

ARMENIA—FUNGI, PHYTOPATHOGENIC

Some fungus diseases of trees and shrubs and ornamental plants in the Armenian S.S.R. D.N. Teterevnikova-Babaian, I.A. Khrimlian, M.G. Taslakhchian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:11-20 F '64.

ARMENIA—GOLD ORES

Mineralogical and geochemical characteristics of the ores of the Mogradzor gold-bearing deposit. Sh.O. Amirian, A.I. Karapetian. Izv. AN Arm. SSR. Nauki o zem. 17 no. 2:37-48 '64.

ARMENIA—GRAPES—FERTILIZERS AND MANURES

Effectiveness of organic-mineral fertilizers in vineyards A.S. Arutiunian. Agrobiologiia no. 1:46-48 Ja-F '64

ARMENIA—MEDICINE, INDUSTRIAL

IUbileinyi Plenum uchenogo meditsinskogo Soveta, posviashchennogo 40-letiiu ustanovleniia Sovetskoi vlasti v Armenii, Erevan, 1960. [Transactions of the Jubilee Plenum of the Scientific Medical Council Dedicated to the 40th Anniversary of the Establishment of Soviet Power in Armenia] Trudy. Erevan, M-vo zdravookhraneniia Armianskoi SSR.
Vol. 3. 1961. 284 p.
[DNLM MICROFILM]

ARMENIA—METALLURGICAL PLANTS

Ancient mining and metallurgic structures of Metsamor (Armenia). K.A. Mkrtchian and others. Izv. AN Arm. SSR. Nauki o zem. 17 no. 2:69-74 '64.

ARMENIA—MINES AND MINERAL RESOURCES

Ancient mining and metallurgic structures of Metsamor (Armenia). K.A. Mkrtchian and others. Izv. AN Arm. SSR. Nauki o zem 17 no. 2:69-74 '64.

ARMENIA—OCCUPATIONAL DISEASES

the

Dedicated to the 40th Anniversary of the Establishment of Soviet Power in Armenia] Trudy. Erevan, M-vo zdravookhraneniia Armianskoi SSR.
Vol. 3. 1961. 284 p.
[DNLM MICROFILM]

ARMENIA—ONCOLOGY—BIBLIOGRAPHY

List of scientific works by collaborators of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S S. R and the department of roentgenoradiology of the Erivan Medical Institute published in 1962. Vop. rent. i onk. 7.371-374 '63.

ARMENIA—PYRITES

New data on the isotopic content of sulfur in the pyrites of sulfide deposits in northern Armenia. E.A. Sagatelian, L.N. Grinenko Dokl. AN Arm. SSR 39 no. 1:41-43 '64.

ARMENIA—RADIOLOGY, MEDICAL—BIBLIOGRAPHY

List of scientific works by collaborators of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S.S.R. and the department of roentgenoradiology of the Erivan Medical Institute published in 1962. Vop. rent. i onk. 7:371-374 '63.

ARMENIA—SCARABAEIDAE

New dung beetle (Coleoptera, Scarabaeidae) from the Armenian S.S.R. S.M. IAblokov-Khnzorian. Dokl. AN Arm. SSR 39 no. 1:61-63 '64

ARMENIA—SULFUR ISOTOPES

New data on the isotopic content of sulfur in the pyrites of sulfide deposits in northern Armenia. E.A. Sagatelian, L.N. Grinenko. Dokl. AN Arm. SSR 39 no. 1:41-43 '64.

ARMENIA—SWINE—FEEDING AND FEEDS

Digestion and metabolism in piglets using different kinds of food. S.T. Akhverdian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:69-76 F '64.

ARMENIA—TICKS

Occurrence of ticks of the genus Argas of the "reflexus" group in the Armenian S.S.R. Postoian. Izv. AN. Arm. SSR. biol. nauki 15 no 12 89-94 D '62.

ARMENIA—TULIPS

Anomalies of the flower of Tulipa julia C. Koch. P.P. Gambarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 12: 81-87 D '62.

ARMENIA—UTERUS—CANCER

Clinicostatistical characteristics of cancer of the cervix uteri in the Armenian S.S.R., according to materials of the Institute of Roentgenology and Oncology in the Armenian S.S.R. during 1950-1960. A.A. Bagdasarian. Vop. rent. i onk. 7:357-364 '63.

ARMENIA—VETERINARY MEDICINE

Etiology and epizootiology of the leptospirosis of farm animals in the Armenian S.S.R. S V Rostomian Veterinariia 41 no. 4 43-45 Ap '64

ARMENIA—WHEAT

Biological effect of ionizing radiation on the variability of spring wheat during its conversion into winter wheat. V. K. Karapetian, A. E. Giulanian. Izv. AN Arm. SSR. Biol. nauki 15 no. 12:33-43 D '62.

ARMENIA—WOMEN IN CONSTRUCTION

Participation of Armenian women in the building of old Armenian architectural structures. Lusik Mkrtchian. Izv. AN Arm. SSR. Obshchestv. nauki no. 2:70-78 F '64.

ARMENIAN LANGUAGE—ARTICLE

Tumanian, E.G. [Articles in modern Armenian] Artikli v sovremennom armianskom iazyke. Erevan, Izd-vo Erevanskogo gos. univ., 1963. 225 p.
(ICU) (NNC)

ARMENIAN LITERATURE—PERIODICALS see subdivision under Beirut

ARMENIAN STUDIES see subdivision under Moscow

ARMIES see subdivision 'Army' under Poland, Russia

ARMIES—ORGANIZATION see subdivision 'Army—Organization' under United States

ARMIN

Mechanism of the action of armin and nibufin. I.S. Afonskaia and others. Farm. i toks 26 no 2:184-189 Mr-Ap '63.

ARMORED VEHICLES
(see also subdivision under United States)

The main thing in the preparation of armored equipment for summer N Belianchev Tekh i vooruzh no 3: 38-40 Mr '64

ARMORED VEHICLES, MILITARY

Use fire from armored carriers more effectively. S. Mutsynov. Voen. vest. 43 no. 4:102-106 Ap '64.

AROMATIC COMPOUNDS

Electron spectra of a series of aromatic molecules in solutions. L F. Gladchenko, L G Pikulik, N. L Belozarevich. Opt. i spektr. 17 no. 2 209-212 Ag '64.

Kinetics and reactivity of aromatic compounds in the course of halogenation in the presence of metal halides. Part 3: Reactivity of aromatic compounds. N. N. Lebedev, I I. Baltadzhi. Kin. i kat. 5 no. 2 303-310 Mr-Ap '64.

Quantitative investigation of radical reactivity by the method of competing reactions. Reactions of a phenyl radical with phenol, aniline, and anisole. M. V. Basilevskii, Kh. S. Bagdasar'ian. Kin. i kat. 5 no. 2:215-220 Mr-Ap '64.

AROMATIZATION

Aromatization of toilet soap. A. IA. Kliueva. Masl.-zhir. prom. 30 no 7:26-28 Jl '64.

Catalytic dehydrocyclization of diethyl ether with the formation of a five-membered heterocyclic system. A.L. Liberman, O V. Bragin, T.V Vasina. Izv. AN SSSR Ser khim no 7:1352-1354 Jl '64.

ARSENATES

Arsenate method of the iodometric determination of gallium. G B Shakhtakhtinskii, G. A Aslanov, G. A Shakarov. Dokl AN Azerb. SSR 19 no. 3:27-30 '63

ARSENIC—ANALYSIS

Determination of arsenic in silicon, germanium, and gallium arsenide. A. A. Tumanov, A. N. Sidorenko, F. S. Taradenkova. Zav. lab. 30 no. 6.652-654 '64

ARSENIC—ELECTROMETALLURGY

Investigating the cementation of antimony and arsenic from alkali-sulfide solutions. I R Polyviannyi, L N. Sysoev Trudy Inst met i obog AN Kazakh SSR 8 57-64 '63

ARSENIC ACIDS

Germanium arsenate. K.A. Avduevskaia, I.V. Tananaev, V.S. Mironova. Dokl. AN SSSR 157 no. 4:904-906 Ag '64.

ARSENIC BROMIDE

Haloalkyl sulfides. Part 7: Interaction of alkylene sulfides with arsenic trichloride and arsenic tribromide. G. IU. Epshtein, S.Z. Ivin. Zhur. ob. khim. 34 no. 7: 2355-2356 Jl '64.

ARSENIC CHLORIDES

Haloalkyl sulfides. Part 7: Interaction of alkylene sulfides with arsenic trichloride and arsenic tribromide. G. IU. Epshtein, S.Z. Ivin. Zhur. ob. khim. 34 no. 7: 2355-2356 Jl '64.

ARSENIC ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of age on the distribution of arsenic radioisotope (As^{76}) in the brain of a dog. A. IA. Prokopchuk, S. A. Eremenko. Dokl. AN BSSR 8 no 2:130-132 F '64.

ARSENIC SELENIDES

Effect of some elements on the electroconductivity and microhardness of vitreous arsenic selenide. Z.U. Borisova. Izv. AN SSSR. Ser. fiz. 28 no. 8:1293-1294 Ag '64.

ARSENIC SULFIDES, EFFECT OF RADIATION ON

Effect of gamma rays on the elastic properties of vitreous arsenic trisulfide. I. A. Domoriad, D. Kaipnazarov, L. P. Khiznichenko. Izv. AN Uz. SSR. Ser fiz.-mat. nauk 7 no. 5:87-89 '63.

ART
(see also subdivision under Europe, Western; Pakistan, Eastern)

Akademiia nauk SSSR. Institut istorii iskusstv. [Early Russian art; the 17th century] Drevne-russkoe iskusstvo, XVII vek. Moskva, Nauka, 1964. 332 p. illus.

ART (Continued)

Lebedeva, IU.A. [Early Russian art] Drevnerusskoe iskusstvo Leningrad, In-t zhivopisi, skul'ptury i arkhitektury im I.E Repina, 1960. 188 p.
[MICROFILM]

[illegible] progress in art Kr stu [illegible]

ART—PSYCHOLOGY

[illegible] A IA Zis' Vop. [illegible]

ART, ABSTRACT—PRICES

[illegible] art V Rez [illegible] 22 [illegible]

ART, AFRICAN

Mirimanov, V. B , and G A Chernova [Art of Africa] Iskusstvo Afriki Moskva, Iskusstvo, 1964 83 p (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

ART, CHUVASH

The contemporary Chuvash fine arts a brief review A.G Grigor'ev. Uch zap CHNIIIALIE no.22:273-286 '63

ART, DECORATIVE

Akademiia khudozhestv SSSR. [School of fine arts in ten issues] Shkola izobrazitel'nogo iskusstva v desiati vypuskakh. Moskva,
No.10. 1963. 272 p. illus.

Stylistic characteristics in Soviet decorative-applied art. M.Il'in Stroi.komm v SSSR i zad izobr.isk. no.3 52-71 '62.

ART AND INDUSTRY

Beautiful, simple, efficient G Ostrovskii NTO 6 no 5:22-24 My '64

ART AND INDUSTRY—BIBLIOGRAPHY see Bibliography—Art and industry

ART COMMISSIONS

A M Gor'kii on the expert commission of the People's Commissariat of Foreign Trade Nov mir 39 no 4 247-250 Ap '63

ART GALLERIES AND MUSEUMS see subdivision under Leningrad

ART INDUSTRIES

Akademiia khudozhestv SSSR. [School of fine arts in ten issues] Shkola izobrazitel'nogo iskusstva v desiati vypuskakh. Moskva,
No.10. 1963. 272 p. illus.

Stylistic characteristics in Soviet decorative-applied art. M.Il'in. Stroi komm.v SSSR i zad.izobr.isk no.3: 52-71 '62.

ART INDUSTRIES, AZERBAIJANI

Masters of applied decorative art in Azerbaijan Liatif Kerimov, N S.Askerova. Isk.Azerb. no.10: 96-138 '64

ARTEM ISLAND OIL FIELD—OIL FIELD BRINES

Zoning of the waters of the northern fold in the Artem Island field. Sh. A. Panakhi. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:5-9 '63.

ARTEM'EV, Captain

Learn and teach. Egorov Voen.vest. 43 no 4:18-21 Ap '64.

ARTEM'EV, NIKOLAI VLADIMIROVICH

One of the oldest B Smirnova Bibliotekar' no 8:26-27 Ag '64

ARTEMOVSK—CONSTRUCTION INDUSTRY

Reduce the method of construction by resources within an industry V. Matvienko Fin.SSSR 38 no 6:29-32 Je '64.

ARTERIES—LIGATURE

Effect of the ligature of both pelvic arteries on the wall structure of urinary bladder and rectum G.N. Kuparadze. Soob.AN Gruz.SSR 33 no 3:707-713 Mr '64.

ARTERIES—SURGERY

Dilatation of an artery by surgical means. R. A. Akhverdian Zhur.eksp.i klin.med. 4 no 2:67-77 '64.

ARTERIES—WOUNDS AND INJURIES

Vascular suture of a brachial artery in an infected wound. T.S.Odariuk, V G. Moskalenko. Sov. zdrav. Kir. no. 6 58-59 N-D '63.

ARTERIOSCLEROSIS

Clearing factor and its relation to the development of atherosclerosis, survey of foreign literature. M. P. Stepanova. Kardiologiia 2 no. 6:82-86 N-D '62.

Content of polyunsaturated fatty acids in the blood serum of patients with atherosclerosis. M. V. Bavina, N. M. Lobova. Kardiologiia 2 no. 6:59-66 N-D '62.

Effect of ginseng on the development of experimental atherosclerosis in rabbits. M K Mikushkin. Mat. k izuch.zhen' i drug lek rast Dal' Vost no 5:143-147 '63

Effect of p-aminobenzoic acid on the synthesis and decomposition of cholesterol in the liver of healthy and atherosclerosed rabbits. A. F. Ryzhova. Biul. eksp. biol. i med 55 [i. e. 56] no. 10 41-44 O '63.

Effect of thyroidin on the distribution of 4-C14-cholesterol in experimental atherosclerosis. L. A. Miasnikov, V. V. Zaitsev. Kardiologiia 2 no. 4,31-37 N-D '62.

Godichnaia nauchnaia sessiia instituta terapii AMN SSSR. 14th, 1963. [Atherosclerosis and thrombosis, transactions] Ateroskleroz i tromboz; trudy. Pod red A. L. Miasnikova Moskva, Meditsina, 1964. 211 p.
(DNLM)

Intensity of tissue respiration in some organs in experimental hypercholesteremia and atherosclerosis. L. D. Malysheva. Vop. med khim. 9 no. 2:142-146 Mr-Ap '63

Khodykin, A. V. [Therapeutic diet in atherosclerosis] Lechebnoe pitanie pri ateroskleroze. Izd. 2 Moskva, Meditsina, 1964 39 p (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Method for the induction of experimental atherosclerosis in rats F. L. Leites Pat fiziol. i eksp. terap. 6 no. 4 84-86 Jl-Ag '62

Miasnikov, A. L. , and I. A. Rykin, eds. [Incidence of hypertension and coronary arteriosclerosis and living conditions] Rasprostranenie gipertonicheskoi bolezni i koronarnogo ateroskleroza i usloviia zhizni, sbornik statei. Leningrad, Meditsina, 1964. 166 p.
(DNLM)

Role of the reduction of the lipolytic activity of the aortic wall in the pathogenesis of its lipoid infiltration. B. L. Lempert, F. L. Leites. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10 25-29 O '63.

ARTIFICIAL ARMS

Original invention IU Basrein Vnesh torg. 44 no 7: 43-44 '64.

ARTIFICIAL INSEMINATION

[Breeding work and artificial insemination of farm animals] Plemennoe delo i iskusstvennoe osemenenie sel'skokhoziaistvennykh zhivotnykh, sbornik statei. Moskva, Izd-vo "Kolos," 1964 205 p.
(DNAL)

ARTIFICIAL ISLANDS

Determining the effects of waves on individual supports (piles) and open structures F. M Gadzhiev Azerb neft. khoz 43 no. 5:39-41 My '64.

ARTIFICIAL ISLANDS—COMMUNICATIONS SYSTEMS

Organizing communication channels in the power distribution networks of offshore oil fields D. I Vigdorov. Izv vys ucheb zav , neft' i gaz 5 no 10 97-102 '62

ARTIFICIAL KIDNEY

Effectiveness of the early use of an artificial kidney in a lethal affection of dogs by incorporated Sr^{90}. M.G. Petrovnin. Med. rad. 8 no.12 31-37 D '63.

ARTIFICIAL LEATHER see Leather, Artificial

ARTIFICIAL RESPIRATION

Cardiac activity in neuroplegia and hypothermia in relation to the method of artificial respiration. A. I. Kurkhuli Trudy Inst. eksp i klin. khir. i gemat. AN Gruz. SSR 11:25-28 '63.

ARTIFICIAL SATELLITES

[Space research] Ref. zhur.: Issl. kosm. prostr. no. 8 Ag '64.

ARTIFICIAL SATELLITES—SCIENTIFIC APPLICATIONS

Synchronous observations of the artificial earth satellite "Echo-1" for geodetic purposes D E Shchegolev, A.G Masevich, B G Afanas'ev Vest AN SSSR 34 no 7:74-77 Jl '64

ARTIFICIAL SATELLITES IN TELECOMMUNICATION

Collaboration or dictate. G. Stashev. Mezhdunar. zhizn' 11 no. 9 128-129 S '64.

ARTILLERY

Catalogue of an artillery historical museum. E. Myshkovskii. Voen.-ist. zhur. 5 no. 4:103-104 Ap '63.

Engineer training in an artillery unit. P. Chuiko, A. Demchenko. Voen. vest. 43 no. 4:90-91 Ap '64.

ARTILLERY, FIELD AND MOUNTAIN

Use of the "meteosrednii" report in the mountains. V. Shevkunov. Voen. vest. 43 no. 4.77-79 Ap '64.

ARTILLERY DRILL AND TACTICS

An artillery division in the depth of the enemy's defenses. N. Lastochkin. Voen. vest. 44 no. 7:48-51 Jl '64.

A battery supports an attack at night. M. Samoilov. Voen. vest. 43 no. 4,67-70 Ap '64.

Division in an advance detachment; a tactical and drill exercise. I. Solodko. Voen. vest. 44 no. 7:81-84 Jl '64.

Training artillery scouts in the field. F. Chernukha. Voen. vest. 43 no. 4:74-75 Ap '64.

ARYAN LANGUAGES—GRAMMAR, COMPARATIVE

Book by E. Benveniste "Hittite and other Indo-European languages, comparative studies." Viach. V. Ivanov. Vop. iaz. 12 no. 4,127-136 Jl-Ag '63.

Verbal equivalents in some Indo-European languages. E. M. Vol'f. Uch. zap. Tadzh. un. 21 Trudy Kaf. inostr. iaz. no. 1:29-57 '60.

ARYAN LANGUAGES—MORPHOLOGY

"Inner inflection" in Indo-European and Semitic languages. I. A. Mel'chuk. Vop. iaz. 12 no. 4 27-40 Jl-Ag '63

ASBESTOS see subdivision under Dzhetygara

ASCARIDS AND ASCARIASIS

(see also subdivision under Borisoglebsk; Ukraine)

Biochemistry of the ascarids, a review of literature. A. I. Krotov Med. paraz. i paraz. bol. 32 no. 4:481-487 Jl-Ag '63.

Mechanism of the action of bephenium hydroxynaphthoate (naphtamon; alcopar) on ascarids. A. I. Krotov, S. N. Fedorova. Farm. i toks. 26 no. 2:233-236 Mr-Ap '63

Treatment of ascariasis with naphthamon (alcopar). G. V. Khorava and others. Med. paraz. i paraz. bol. 32 no. 4:397-399 Jl-Ag '63.

ASCITES

Dynamics of the development of late metastases of ascitic tumors in rats. N. S. Kiseleva, V. V. Pavlikovskii. Vop. onk. 10 no. 3:41-46 '64.

ASCORBIC ACID

Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P. E. L. Lerner Akush. i gin. 39 no. 5:47-51 S-O '63.

Content of vitamin C in the blood plasma and in some food products consumed by the native population of the Far North. V. G. Kukes, M. N. Vlasova. Vop. pit. 22 no. 3:64-67 My-Je '63.

Effect of vitamin C on the immunobiological reactivity of the body in chronic colitis and enterocolitis. N. I. Ekisenina, L. P. Miagkova, M. L. Mirer. Vop. pit. 23 no. 1:26-30 Ja-F '64.

Effect of vitamin C on the synthesis of glutamine and amidization of proteins in the brain. IU M. Zalesskaia, E E. Martinson, L. IA. Tiakhepyl'd. Vop pit 22 no 3: 60-64 My-Je '63.

Effect of vitamin P (rutin) on the cholesterol content in the blood serum and the level of ascorbic acid in the organs of experimental animals. A. I. Tikhonova, S. A. Lapina. Vop. pit. 23 no. 1:07-09 Ja-F '64.

Exact determination of tabular data on the ascorbic acid content of potatoes. I. L. Korotkov. Vop. pit. 22 no 3: 85 My-Je '63.

Formation of antibodies and phagocytic activity of blood neutrophils under the influence of galascorbin. E. P. Shamrai, A. P. Moroz. Vop. pit. 22 no. 3:58-60 My-Je '63.

Preservability of vitamin C in artificially vitaminized milk prepared by the Riga Milk Combine. F. I. Kosblah, O. I. Zel'chane. Vop. pit. 23 no. 1:82-83 Ja-F '64.

ASCORBIC ACID METABOLISM

Effect of small doses of DDT on the biosynthesis of ascorbic acid in rat organs. I. M. Filippov. Vop. pit. 23 no. 1:70-73 Ja-F '64.

ASGEIRSSON, ASGEIR, 1894-

People and events: Asgeir Asgeirsson, Edward Ochab. Nov. vrem. 22 no. 34:9, 15 Ag '64.

ASH (TREE) see subdivision under White Russia

ASH DISPOSAL

Adjustment of ash collector batteries. M. G. Kirin, N. V Brazhnikov, P. E. Lisenin. Elek. sta 35 no 5:17-19 My '64.

ASHA—WOOD—CHEMISTRY

Production of propionic acid at the Asha wood-chemical combine. A. G. Tarasova, A. IA. Kalugina. Gidroliz. i lesokhim. prom. 17 no. 3:24-25 '64.

ASHKHABAD—GLASSWORKERS

The key to hearts is tactfulness. N. Dzokh. Sov. prof soiuzy 20 no. 16:8-9 Ag '64

ASIA—ECONOMIC DEVELOPMENT

In the life of one generation. Z. Tishenko Az. i Afr seg 8 no. 7,29-32 Jl '64.

ASIA—REVOLUTIONS

Some new characteristics of present-day anti-imperialist and national liberation revolutions in the Orient. I P. Kupchenko. Uch. zap. Kaf. obshchestv. nauk vuz g Len.; Filos. no. 4:204-219 '63.

ASIA, CENTRAL—IRON SULFIDES

Iron disulfides from Cretaceous rocks in some regions of Central Asia. V. F. Savel'ev Uzb. geol. zhur. 7 no. 6:33-37 '63.

ASIA, SOUTHEASTERN—MILITARY ASSISTANCE, AMERICAN

Operation "Vautour." G. Ushakov. Nov. vrem 21 no 29 20-22 Jl '64.

ASIA, SOUTHEASTERN—POLITICS

Operation "Vautour." G Ushakov Nov vrem. 21 no. 3 20-22 Jl '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASPHALT—TRANSPORTATION

[illegible] industrial integrated line for shaping structural petroleum asphalt into blocks P I Churakov Neftepererab i neftekhim. no 8 28-30 '63

ASPHALTENES see subdivision under *West Siberian Plain*

ASSEMBLY-LINE METHODS

Belkov, V. N., and A. N. Nikitin. [Assembly of airplane engines] Sborka aviatsionnykh dvigatelei. Moskva, Mashinostroenie. 1964. 221 p. (Tekhnologiia aviadvigatelestroeniia)

Continuous production method for the manufacture of sweetened condensed milk. V V. Strakhov Sbor ref nauch rab VNIMP no 1 76-78 '55

Efficiency of the use of automatic production lines for the manufacture of margarine L. A. [illegible]man, L.I. Kochaeva. Masl -zhir prom. 30 no 7:30-32 Jl '64.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Mechanized continuous lines for the production of sausages] Potochno-mekhanizirovannye linii proizvodstva kolbas. Moskva, 1962. 16 p. (Tekhnicheskaia informatsiia) [MICROFILM]

New equipment for the manufacture of butter with the continuous production line method N IA Luk'ianov, V. A. Moleshin, L. B Korenblat Sbor ref. nauch. rab. VNIMP no 1 4-5 '55

ASSUAN DAM see *Aswan Dam*

ASTERS—*FERTILIZERS AND MANURES*

Effect of trace elements on the ornamental quality of asters. N. S. Vasil'eva. Vestsi AN BSSR. Ser. biial. nav. no. 4:73-76 '62.

ASTHMA

Higher nervous activity in bronchial asthma patients. P.K. Bulatov. *Trudy* Gos. nauch.-issl. psikhonevr inst 23:317-327 '63.

ASTRAKHAN PROVINCE—CORN (MAIZE)

Two crops a year. S. P. Mikhailov. Zemledelie 26 no. 6:76 Je '64

ASTROMETRY

Using the method of Moreau and Verbandert. A. P. *Galiaev.* Soob. GAISH no. 131.24-29 '64.

ASTRONAUTICS

[Space research] Ref. zhur.: Issl. kosm. prostr. no. 8 Ag '64.

ASTRONOMICAL INSTRUMENTS

Electronic photoguide L. V Ksanfomaliti. Biul. Abast. astrofiz obser no 30 137-138 '64.

Investigation of the KIM-3 coordinate-*measuring machine*. G. N Salukvadze, A. Sh. Khatisov Biul Abast. astrofiz. obser no 30 107-106 '64

ASTRONOMICAL INSTRUMENTS—TESTING

Investigating chromatic aberration of the objective of the 39 cm. astrograph at the Moscow Observatory. L. A. Golovina. Soob. GAISH no. 134.46-48 '64.

Investigating slits of the infrared solar spectrophotometer and extraeclipse coronagraph. E. I. Tetrushavili, TS. S. Khetsuriani Biul Abast astrofiz. obser no 30:127-135 '64

ASTRONOMICAL OBSERVATORIES see subdivision under Kiev

ASTRONOMY

Brief news. Biul. Abast astrofiz obser. no. 30:152 '64.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur.: Astron. no. 8 Ag '64.

ASTRONOMY, *SPHERICAL* AND PRACTICAL

Determining corrections to the coefficients of the half-yearly nutation member by the declination. V. V. Nesterov. Soob. GAISH no. 134:17-20 '64.

A possible criterion for evaluating the precision of latitude observations. V. V. Nesterov. Soob. GAISH no. 134:30-32 '64.

Variations of the *latitude* of Moscow during the International Geophysical Year and International Geophysical Cooperation by observations with the Moscow zenith telescope. IU. I. Prodan. Soob. GAISH no. 134:3-16 '64.

ASWAN DAM

Aswan, the symbol of friendship. F. Seiful'-Muliukov. Agitator no. 10:11-13 My '64.

Good people of Aswan. Evgenii Vorob'ev. Nov. vrem. 22 no. 34:28-29 Ag '64.

Novikov, L. A., and A. K. Taradankin. [The dumbfounded sphinx] Izumlennyi sfinks. Moskva, Izd-vo "Znanie," 1964. 126 p. (Prochti, tovarishch!)

ATBASAR DISTRICT—JUDGES

Councils of lay judges at *work* S *Dmitrienko* Sots. zakon 41 no. 4:55 Ap '64

ATHEISM

Atheism as an important feature of the scientific world outlook B. Lohovyk. *Komm Ukr* 39 no 3 36-45 Mr '64

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—STUDY AND TEACHING
(see also subdivision under Altai Territory, Rovno Province)

Combat weapon of atheistic *propaganda* G L Andreev, A D Sukhov, D G Filimonov Vop filos 18 no 7:158-165 '64

Conference on atheism. Rad. shk 42 no. 4 35-37 Ap '64

Let's conduct an active drive against religious ideology N. M. Kool'. Sred. *spets. obr.* 11 no. 6 35-38 Je '64.

Let's *conduct atheistic* training actively. Nach shkola 32 no. 7:3-6 Jl '64

Let's train militant atheists in Lenin's way V IU Malanchuk. Rad. shk. 42 no 4.3-9 Ap '64.

The most important events in the life of churches and *religious* communities in the U. S. S. R., a chronology. N. T. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:107-111 *N-D* '63.

New stage in the devel*opment of sc*ience-based atheistic work of the party. V. K. Tancher. Nauch. dokl. vys. shkoly; filos. nauki 7 *no. 1.20-28* '64.

[Program for the study of the fundamentals of scientific atheism; for clubs of the system of political education] Programma po izucheniiu osnov nauchnogo ateizma, dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 15 *p.*

[Program for the study of *the fundamentals* of *scientific* atheism, for independent students and auditors in seminars of the *system of political* education] Programma po izucheniiu osnov nauchnogo ateizma; dlia *samostoiatel'no* izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia Moskva, Politizdat, 1964. 29 p.

Ranks of atheists are growing V Saprykina. Bibliotekar' no 8.23-24 Ag '64

Religious psychology and atheistic education. I. N. *Bukina, V. R. Bukin.* Nauch. dokl. vys. shkoly. filos. nauki 7 no. 1.156-162 '64.

They broke with religion. P. IAroslavskaia. Bibliotekar' no 8 22-23 Ag '64.

Training in atheism. G. V. Diudina. Nach. shkola 32 no. 7:12-15 Jl '64.

ATLANTIC OCEAN—FISHES

Studying the characteristics of Atlantic fish Z A IAkovleva. Trudy Azcherniro *no* 21:46-50 '63

ATLANTIC OCEAN—FISHING BOATS

Methods and practice of the economic analysis of the work of the fishing fleet in northern seas. L S. Nikol'skii Mat. rybokhoz issl. Sev bas no 1 54-56 '63.

ATLANTIC OCEAN—HARP SEAL

Materials on the morphological characteristics of three schools of the harp seal R Sh Khuzin Mat rybokhoz issl. Sev. bas no 1 51-54 '63

ATLANTIC OCEAN—*HERRING*

General results of the studies on the evaluation of the state of Atlantic and Scandinavian herring stock, I G. IUdanov Mat rybokhoz issl Sev bas no. 1 3-6 '63

ATLANTIC OCEAN—OCEAN TEMPERATURE

Long-term variability of the thermal regimen of waters and ice conditions in the North Atlantic A. A Lebedev Mat. rybokhoz issl Sev bas no. 1 62-63 '63.

ATLANTIC OCEAN—SARDINES

Technological and chemical characteristics of the Atlantic sardine and causes of the deterioration of its quality during industrial processing. G. S Khristoferzen, N. V. Timofeeva Trudy Azcherniro no. 21 40-46 '63

ATLANTIC OCEAN—SCORPION FISHES

Influence of fisheries on the structure of Sebastes marinus L. and Sebastes mentella Travin populations. V. P Sorokin. Mat. rybokhoz. issl. Sev. bas no. 1.22-24 '63

ATLANTIC OCEAN—WORLD WAR, 1939-1945

Anglo-American aviation in the fight against German U-boats in the Second World War. B. Fedorov. Voen.-*ist. zhur. 5 no. 4:34-51, Ap* '63.

ATLASES—CATALOGS

Preparation of printed catalogs of cartographic works. I. B. Kostrits. Mat. Otd. mat. geog. i kart. Geog. ob-va *SSSR no. 1:57-58* '61.

ATMOSPHERE

Calculation of air density. O. B. Mertsalova. Trudy NIIAK no. 24:59-60 '63.

Comparison of the temperature, pressure and density of the tentative standard atmosphere with [illegible] data for the Northern Hemisphere and the [illegible] belt. Z. I. Gavrilova. Trudy NIIAK no 24 [illegible] '63.

Determining the thermodynamic stability of a boundary layer of the atmosphere on the basis of [illegible] observation data A I Buz. Meteor i gidrol. no 8 25-30 Ag '64.

Methods for calculating the tentative standard atmosphere. *Z I Gavrilova* Trudy NIIAK [illegible] '63

Ocean of thousands of secrets IU Morale [illegible] mir. 39 no 4:274-276 Ap '63

Some characteristics of the tropopause over the U. S. S. R. L. M. Kravtsova. Trudy NIIAK no. 11 51-65 '63.

Two-year *cycle in the* equatorial stratosphere [illegible] general circulation of the atmosphere [illegible] Meteor i gidrol no 6 3-10 Je '63

Waves in the atmosphere. N. I. Zverev. Trudy TSIP no. 135:63-90 '64.

ATMOSPHERE—CONGRESSES

Symposium on atmospheric [illegible] A. P Golitsov, A S Chaplygin Izv [illegible] geog. no 4:158-162 '61

ATMOSPHERE, UPPER

Some characteristics of the air circulation of the strato*sphere* in the Northern Hemisphere. Kh. P Pogasian, A. A. Pavlovskaia. Meteor. i *gidrol no 8:3-15* Ag '64.

ATMOSPHERIC ELECTRICITY

A*nnual* variation of the atmospheric electric potential at 6000 meters and the charge of an air column in a 0 *to 6000* m layer I. M. Imianitov, E. V Chubarina Trudy GGO no 157 9-21 '64

Causes of the discrepancy between atmospherics and weather conditions V A Solo'ev Trudy GGO no 157 73-75 '64.

Diurnal variation of the illuminated area of the continents T A Saluvere. Trudy GGO no 157 39-47 '64

Inhomogeneity zones in thunderclouds I M Imianitov, T. V. Lobodin. Trudy GGO no. 157 3-8 '64

Location of near atmospherics and weather conditions I I Kamaldina Trudy GGO no 157 70-72 '64

Measuring the electric conductivity of the air from an airplane in the free atmosphere S I Zachek. Trudy GGO no 157 94-120 '64

Relation between the atmospheric electric field and nucleation. E. V. Chubarina. Trudy GGO no 157:22-30 '64

Relation between the frequency of thunderstorms and that of atmospheric disturbances causing field intensities above a given level K N Barkalova Trudy GGO no 157 85-86 '64

Relation between the unitary vertical conduction current and the distribution of thunderstorms over the globe. N. A. Paramonov Trudy GGO no. 157;31-38 '64

Study on the causes of the discrepancy between atmos*pherics location* and *weather* conditions N I Leushin Trudy GGO no 157 76-81 '64.

ATMOSPHERIC NUCLEATION

Relation between the atmospheric electric field and nucleation E. V. Chubarina. Trudy GGO no. 157;22-30 '64

ATMOSPHERIC PRESSURE
(see also subdivision under Pacific Ocean)

Average and *extreme* pressures. O. B. Mertsalova, *M. V. Sokolova* Trudy NIIAK no. 24 54-58 '63

Time spectrum of micropulsations in atmospheric pressure G S Golitsyn Izv AN SSSR Ser geofiz no 8 1252-1258 Ag '64

ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT

Changes of oxygen tension in dog brain tissues in a rarefied atmosphere. E. A. Kovalenko. Pat. fiziol. i eksp. terap. 6 no. 4:18-24 Jl-Ag '62.

Effect of stimulants increasing the resistance of the nervous system under low barometric pressure G. G. *Zozulia* Sbor. nauch. rab stud. Volg gos med inst. no. 1:31-36 '60

ATMOSPHERIC TEMPERATURE
(see also subdivision under Africa)

Akademiia nauk SSSR. Institut prikladnoi geofiziki. [Studies on heat exchange in the atmosphere] Issledovaniia teploobmena v atmosfere. Moskva, Nauka, 1964. 94 p.

Calculation of the *frequency* of maximum temperatures in the U. S. S. R. R. A. Pershina. Trudy NIIAK no. 11:9-23 '63.

Climatic characteristics of the temperature of a model *of* the standard atmosphere. *O.* B. Mertsalova, M. V. Sokolova, E. F. Cycheva. Trudy NIIAK no. 24 23-53 *'63.*

Forecasting anomalies of the mean air temperature based on data of its distribution in the Northern Hemisphere. D. A. Ped'. Trudy TSIP no. 135:45-62 '64.

Indirect methods for calculating some basic indices of the curves of the *frequency* of maximum temperatures. R. A. Pershina. Trudy NIIAK no. 11:3-8 '63.

ATMOSPHERIC TEMPERATURE (Continued)

Method for forecasting anomalies of the air temperature for a decade. D. A. Ped', Trudy TSIP no. 135 21-133 '64.

Method for forecasting anomalies of the mean monthly air temperature. D. A. Ped'. Trudy TSIP no. 135 3-12 '64.

Methods for the approximate calculation of the number of days and hours having high air temperature. S. A. Sapozhnikova. Trudy NIIAK no. 11 24-34 '63.

Nazarova, L. V. [Effect of wind on air temperature in the European part of the U. S. S. R.] Vliianie vetra na temperaturu vozdukha Evropeiskoi chasti SSSR. Leningrad, Gidrometeoizdat, 1964 125 p

Precision method for forecasting anomalies of the mean air temperature based on information data of a restricted region. D. A. Ped', T. V. Sidorchenko. Trudy TSIP no. 135 13-21 '64.

Stationary problem of the transformation of temperature and wind velocity fields in the boundary layer of the atmosphere. G. G. TSimmerman. Izv. AN Uz SSR Ser fiz-mat nauk 7 no 5:77-83 '63

ATMOSPHERIC TURBULENCE

Determination of the coefficient of turbulent transfer in the lowest layer of the atmosphere above the sea surface. V. G. [illegible] Trudy Inst okean 72 139-154 '63

Il'in Shvets's pattern for the boundary layer of the atmosphere using the principle of corresponding states. N. L. Byzova. Izv. AN SSSR Ser geofiz no 8 1274-1278 Ag '64

Principal characteristics of turbulent motion in the earth's atmosphere at an altitude of 90 to 100 km. I. A. Dielis, B. I. Kashcheiev, L. I. Borovych. Dop AN URSR no 8 1051-1053 '64

Some results of radar measurements of turbulence in the free pure atmosphere. A. A. Zagorodnikov. Dokl. AN SSSR 156 no 6:1336-1339 Je '64.

ATOMIC BOMB—TESTING see subdivision under French Polynesia

ATOMIC BONDS see Binding energy

ATOMIC ENERGY

(see also subdivision under United States)

The Soviet peace atom. V Emel'ianov Nov vrem 21 no 30 19-20 Jl '64

ATOMIC ENERGY—BIBLIOGRAPHY see Bibliography—Atomic energy

ATOMIC ENERGY—CONGRESSES

On the forthcoming International Conference on Peaceful Uses of Atomic Energy. V S Emel'ianov Vest AN SSSR 34 no 6 73-82 Je '64

World Power Conference, 5th, Vienna, 1956. Soviet Delegation. [Prospects of the development of atomic power engineering in the U S S R.; report by the delegation of the Soviet Union to the Fifth World Power Conference] Perspektivy razvitiia atomnoi energetiki v SSSR, soobshchenie Delegatsii Sovetskogo Soiuza Piatoi mirovoi energeticheskoi konferentsii. [n. p.] 1956. 23 p. [In Russian and German].

ATOMIC ENERGY—ECONOMIC ASPECTS

Fedorenko, A. I., and V. IA. Selegenev. [Use of atomic energy in the national economy]. Khar'kov Izd-vo Khar'kovskogo univ., 1963. 166 p.

ATOMIC ENERGY INDUSTRIES

Atomic energy for peace purposes. V. P Golubkov. Inform. biul VDNKH no. 8,35-37 Ag '63.

ATOMIC ENERGY RESEARCH

Akademiia nauk URSR, Kiev. [Use of radiation in automation, isotopes and nuclear radiation in science and technology] Radiatsionnaia avtomatika, izotopy i iadernye izlucheniia v nauke i tekhnike. Kiev, 1964. 193 p.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC POWER PLANTS

Trends in the use of atomic electric power plants in consolidated power systems. L. N. Davydova. Sbor. rab. po vop. elektromekh. no. 10:15-22 '63.

ATOMIC SHIPS

Ship atomic power plants. V. Solov'ev Tekh. i vooruzh no. 3:88-91 Mr '64.

ATOMIC WARFARE

The atomic weapon and the problem of neutrality. F. Kozhevnikov. Mezhdunar. zhizn' 11 no. 9:86-87 S '64.

Grechko, A. A., ed. [The nuclear age and war; military reviews] IAdernyi vek i voina; voennye obozreniia. Moskva, Izvestiia, 1964. 158 p. (Biblioteka "Izvestii")

Imperialist alliances in the atomic era. N. Talenskii. Mezhdunar. zhizn' 11 no. 9.76-78 S '64.

The role of the European allies of the U. S. in the development of Western nuclear strategy. A. Slobodenko. Mezhdunar. zhizn' 11 no. 9:82-84 S '64.

Sovereignty and aggressive alliances. G. Starushenko. Mezhdunar. zhizn' 11 no. 9 84-86 S '64.

ATOMIC WEAPONS—INTERNATIONAL CONTROL

Increase the fund of confidence. Nov. vrem. 22 no 32: 1 Ag '64

My opinion on two questions. Ichizo Suzuki Nov vrem 22 no 31 7-12 Jl '64

N. S. Khrushchev on the Moscow Treaty. Nov vrem 22 no 32 2-3 Ag '64

What scholars are telling us. V. Emel'ianov. Nov vrem 22 no 35:7-9 Ag '64.

ATOMIC WEAPONS—SAFETY MEASURES

(see also subdivision under United States)

And again on a cruise. V. Milanov. Starsh - serzh. no 7 6-7 Jl '64

ATOMIZATION—EQUIPMENT AND SUPPLIES

Hydrodynamics of centrifugal atomizers. S. N. Ganz, I. E. Kuznetsov. Trudy DKHTI no. 18.173-182 '62.

ATROPHY, MUSCULAR

Changes in the amount of free radicals in the skeletal muscle during atrophy. IA. I Azhipa, L P Kalushin, K. M. L'vov Biofizika 7 no. 5:610-614 '62.

ATTACK AND DEFENSE (MILITARY SCIENCE)

Control of a company in an attack. P. Belousov. Voen. vest. 44 no. 7:41-45 Jl '64.

High rates of advance is an indispensible condition of victory. I. Pavlovskii. Voen. vest. 44 no. 7:3-6 Jl '64.

Mortar platoon in an attack. M. Grigor'ev. Voen. vest. 43 no 4:38-41 Ap '64.

Motorized rifle platoon in a hasty attack. I. Svirinev. Voen. vest. 43 no. 4:26-31 Ap '64.

The second echelon attacks. V. Rusakov. Voen. vest. 44 no. 7:45-48 Jl '64.

ATTENTION

Characteristics of attention transfer in connection with certain individual and typological properties of the higher nervous activity. Report No. 2. Comparison of data on typological distinctions in the aftereffect of inhibition process with the "live indices" of the mobility of nervous processes. I. V. Poliakova. Izv. APN no. 129 206-213 '63.

AUDIO-VISUAL EDUCATION

Audio-visual aids in the educational process. L Sukharebskii Nar obr no 8 122-123 Ag '64

Our pride. T Komarnitskii Nar obr no 8:72-80 Ag '64

AUDIOMETRY

Three forms of the relation of the hearing threshold to its duration. P O. Makarov Biofizika 8 no. 1:69-76 '63.

AUDITING AND INSPECTION

(see also subdivision under Kalinin Province)

Activist groups of party-state control need to know the law. IU. Kozlov. Sots. zakon. 41 no. 4:61-63 Ap '64.

Ostrelko, A. A. [Sentinels of the people] Dozornye naroda. Simferopol', Krymizdat, 1963. 33 p.
(CSt-H)

Simonova, TS. M., and M. D. Sheikh. [Checking of the financial plan of an industrial enterprise] Proverka finansovogo plana promyshlennogo predpriiatiia. Moskva, Izd-vo "Finansy," 1964. 112 p.

AUDITING AND INSPECTION—LAWS AND LEGISLATION

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Statutes on the organs of party-state control, groups and posts assisting them, and the "Komsomol searchlight"] Polozheniia ob organakh partgoskontrolia, gruppakh i postakh sodeistviia, "Komsomol'skom prozhektore." Moskva, Politizdat, 1964. 30 p.

AURAMINE

Synthetic dyes. Part 38: Condensation of 1-aryl lepidinium salts with Michler ketone and auramine. G. T. Piliugin, B. M. Gutsuliak, IA. O. Gorichok Zhur. ob. khim. 34 no. 7:2412-2416 Jl '64

AURANTIN

Case of lymphogranulomatosis treated with aurantin. N. S. Turbina, N. S. Rozanova, T. N. Pevzner. Probl. gemat. i perel. krovi 8 no. 8:53-56 Ag '63.

Combined treatment of chronic myeloleukosis and lymphogranulomatosis with aurantin and X-rays. I. B. Gurevich, N. S. Turbina. Med. rad. 8 no. 12:3-8 D '63.

AUSTRALIA—BRIDGES, ARCHED

Installation of a concrete arch for the bridge across the Parramatta River. I. E. TSimbarg. Transp. stroi. 13 no. 10:73-74 O '63.

AUSTRALIA—RACE DISCRIMINATION

Australian Marxist criticism of racism. L. A. Nechiporenko. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:71-76 '64.

AUSTRIA—EUROPEAN WAR, 1914-1918

On the history of the collapse of the Austro-Hungarian Army in the fall of 1918. N M Pashaeva. Vop. ist. 39 no 7 192-193 Jl '64

AUSTRIA—FUEL PUMPS

Fuel pumps of the Austrian firm "Shvel'm-Shtroger". Sh. M. Raber. Transp. i khran. nefti i nefteprod. no. 7: 33-36 '64.

AUSTRIA—POLITICS AND GOVERNMENT

Koplenig, Johann. [Selected works, 1924-1962. Translated from the German] Izbrannye proizvedeniia, 1924-1962 gody. Moskva, Gos. izd-vo polit. lit-ry, 1963. 371 p.
(NNC)

AUTHORS

(see also subdivision under Orel Province; Saratov Province)

Information on authors of this issue. Vop ist. 39 no 7: 216 Jl '64.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Charnyi, M. B. [Direction of talent; articles and reminiscences] Napravlenie talanta; stat'i i vospominaniia. Moskva, Sovetskii pisatel', 1964. 406 p.

Marshak, S. IA. [Education through the word; articles, remarks, reminiscences] Vospitanie slovom; stat'i, zametki, vospominaniia. Moskva, Sovetskii pisatel', 1964. 583 p.

AUTHORSHIP

Aleksandr Fadeev on literary work. V. A. Dolgov. Uch. zap. CHNIIALIE no. 22:263-272 '63.

AUTOCLAVES

Akademiia nauk SSSR. Kol'skii filial, Kirovsk. Institut khimii i tekhnologii redkikh elementov i mineral'nogo syr'ia. [Autoclave methods of processing mineral raw materials] Avtoklavnye metody pererabotki mineral'nogo syr'ia. Moskva, Izd-vo "Nauka," 1964. 39 p.

Investigating the process of the production of concentrated nitric acid in an autoclave with reflux packing rings. V. I. Atroshchenko and others Khim prom [Ukr.] no 3:35-39 Jl-S '63.

AUTOIMMUNE DISEASES

Autoantibodies in some dermatoses detected by the indirect Coombs' test. S. Stoianov, I. Ivanov. Vest. derm. i ven. 38 no. 1:18-21 Ja '64.

AUTOMATA

Construction of a sequence of automata and its behavior in games. V. I. Krinskii. Dokl. AN SSSR 156 no. 6: 1312-1315 Je '64.

Groups of automatic one-to-one mappings. V. P. Zarovnyi. Dokl. AN SSSR 156 no. 6:1266-1269 Je '64.

AUTOMATIC CONTROL

Adjustment and control of arithmetic devices in multichannel measuring systems. V. N. Saltchko. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6:140-145 '63.

Adjustment and control of programming devices of multichannel measuring systems. A. F. Belov, D. A. Sterligov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6:105-113 '63.

Algorithm to determine the moment for stopping the blowing of a Bessemer converter heat at a given temperature with the help of a controlling machine. Report no. 2. K. S. Garger, B. V. Linudis, A. I. Nikitin. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:53-57 '64.

Analysis of error in an automatic system for dosing liquid metal. A. D. Pushchalovs'kyi. Avtomatyka 8 no. 6: 58-64 '63.

Analysis of optimum systems of automatic stabilization. L. M. Boichuk. Avtomatyka 8 no. 6:47-57 '63.

Application of mathematical logic methods in the design of automatic control circuits. B. N. Grin'kov. Trudy TSNII MPS no. 276:64-82 '64.

Application of the principle of minimax losses in problems involving automatic control systems. V. N. Stikhin. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:95-106 '63.

Applying the principle of control by perturbation for open-hearth furnace control systems. E. M. Gol'dfarb and others. Stal' 23 no. 4:372-374 Ap '64.

Approximate equivalent frequency characteristics of correcting RLC frequency-carrier circuits. V. I. Gostev. Avtomatyka 8 no. 6:17-26 '63.

Approximation of a problem involving the analytic construction of regulators in a system with retarded argument. N. N. Krasovskii. Prikl. mat. i mekh. 28 no. 4: 716-724 Jl-Ag '64.

Arshanskii, IA. N., and S. I. IAnovskii. [Installation and maintenance of automatic control and regulation devices] Montazh i obsluzhivanie priborov avtomatiki i kontrolia. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 85 p. (V pomoshch' kholodil'shchiku)

Attachment to the APR-2 automatic device for hoisting and lowering rods. V. A. Bryzgin, E. P. Belov. Nefteprom. delo no. 7:31-32 '64.

Automatic and remote control of a gas generator station in a shale processing combine. IU. V. Shaganov. Gaz. prom. 8 no. 7:22-24 '63.

AUTOMATIC CONTROL (Continued)

Automatic control in ore dressing plants. I. S. Sverdel'. Izv.vys.ucheb.zav.; gor zhur. 7 no 3;155-163 '64

Automatic control of condensate separation. N. S. Sokolov. Gaz. prom. 8 no. 9:11-13 S '63.

Automatic control of mercury-arc rectifier systems with the use of contactless elements. A.V.Ivanov. Trudy TSNII MPS no.276:100-105 '64.

Automatic control of the circulation of a bead catalyst. M.V.Kozlov and others. Khim.i.tekh.topl.i masel 9 no.4:45-48 Ap '64.

Automatic control of the electric dehydration and electric desalting of oils IA.M Frankfurt Neft khoz 42 no 6 46-49 Je '64.

Automatic control of the gas-motor compressors on the Saratov-Moscow gas pipeline. O.G.Il'skii. Gaz.delo no.7 19-23 '64.

Automatic control of the humidity of the air in the holds of dry-cargo ships. A.E Pass. Ekon i ekspl mor transp. no.1:83-90 '63.

Automatic control of the operation of a digital computer. A.V.Petrosian, B.S.Mnatsakanian. Izv.AN SSSR.Tekh. kib. no.1:65-72 Ja-F '64.

Automatic control of the rotation speed of a turbodrill shaft S A Grachev Neft khoz 42 no 6 8-11 Je '64

Automatic control of the start-up of stand-by units in a compressor station with electric drive. V. M. Korovin. Gaz. delo no. 3:42-45 '63

Automatic data processing in systems of centralized production control. A. A Abdullaev, M.IA.Ginzburg Azerb.neft.khoz. 43 no.3;31-33 Mr '64.

Automatic hydroelectric regulation of the clearance between the rollers of calenders L P Herasimenko Khim prom.[Ukr.] no 3:62-64 Jl-S '63

Automatic loading of coal into railroad cars. A. P. Timofeev, G. K. Kravchik. Ugol' Ukr. 7 no. 12:28-31 D '63

Automatic sharpness control in television cameras, G.I. Bialik, B.S.Timofeev Tekh.kino i telev. 8 no.7:59-64 Jl '64.

Automatic weighing. IU.N.Novikov, G.I.Shevchenko. Mekh.i avtom.proizv. 18 no.1:14-16 Ja '64.

Automation of waste-water pumps. IA.A. Shklovskii. Nefteper.i neftekhim no 5:40-45 '63

Barzam, A. B. [Systems automation] Sistemnaia avtomatika. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 367 p.

Comparison of the properties of principal schematics of composite optimalizing control systems, Part 1. O.H. Yvakhrenko. Avtomatyka 9 no.4:15-20 '64.

Compensation of the delay of automatic control systems using input signal switching techniques. M.N.Segal'. Elektrotekhnika 35 no.6:28-31 Je '64.

Conditions for the approximate realization of discrete processes. V.S.Kim. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:51-59 '63.

Conference on automatic control and electric measurements. A. F. Kotiuk. Izm tekh. no. 3:53-55 Mr '64.

Consideration of a transient process in a problem of statistical synthesis of a pulse system. V.A.Petrov. Izv.AN SSSR.Tekh.kib. no.1:202-208 Ja-F '64.

Consulation. Gaz.prom. 8 no.2:49-50 '63.

Contactless optimalizing controller. A.V.Kudinenko, P.I.Chynaev. Avtomatyka 9 no.4:75-79 '64

Contribution to the problems of optimal control. R.Gabasov, V.M.Kirillova. Izv.AN SSSR.Tekh.kib. no.1:132-142 Ja-F '64.

Converters of discrete magnitudes to continuous ones using alternating current. L.I.Voronova, IU.V.Krementulo. Avtomatyka 8 no.6:81-83 '63.

Cybernetic characteristics of measuring systems in nuclear physics. S.S.Kurochkin. Nauch.-tekh.sbor. Gos.izd-va lit.v obl.atom.nauki i tekh. no.6:53-75 '53.

Determination of stability regions of automatic control systems with random parameters. H.B.Lazarev. Avtomatyka 9 no.4:10-14 '64.

Device for the automatic introduction of corrections for temperature and pressure into the readings of a gas meter. A.Sh.Kilasbeili, M.E.Perel'shtein, A.G. Dzhafarov. Azerb.neft khoz. 43 no.5;41-43 My '63.

Device for the automatic switching off of an IT6-3 plant when the electric energy and water for cooling have been shut off. K.G.Galimov. Mash.i neft.obor. no.2:36-37 '64.

Dynamic properties of a trap-separator as an object of automatic control. V.F.Akimov, IU.A.Voznesenskii, V.V.Popkov. Neft.khoz. 42 no.7:52-56 Jl '64.

Economic efficiency of complex mechanization and automation of the "Novo-Pavlovskaia" Mine. V.A. Vikhtinskii, N.I.Ivanov, N.A.Norenko. Ugol' Ukr. 7 no.12:38-41 D '63.

Electromagnetic consumption meter containing a transducer with a nonuniform magnetic field. I.H.Fiks. Avtomatyka 8 no 6:29-41 '63.

Electronic automatic multiple-point chart-recording instruments and assemblies. O.N.Kolker, A.V. Stankevich. Mash.i neft.obor. no.2:44-48 '63.

Electronic system for the automatic power control of a mercury-arc rectifier substation according to load. B.N.Grin'kov. Trudy TSNII MPS no.276:83-99 '64.

Equivalent circuits of a multiple unit system with automatic control according to individual and group parameters M.V.Machinskii. Izv vys ucheb.zav, energ 7 no.6;120-122 Je '64

Fifth All-Union Conference on Electric Methods of Automatic Control. V.I.Rabinovich Izv. SO AN SSSR no.2.Ser.tekh.nauk no.1:141 '64.

Gol'dfarb, L.S. [Lecture outline for a course in "Theory of automatic control"] Konspekt lektsii po kursu "Teoriia avtomaticheskogo regulirovaniia." Moskva, Mosk. energeticheskii in-t.

Pt. 1. Lineinye nepreryvnye sistemy avtomaticheskogo regulirovaniia Pereizd. Pod red. E B Pasternaka. 1961. 275 p.
[MICROFILM]

Hydraulic and automatic control of the operating conditions of mine fans V M Arshinskii, M P Zub. Izv. vys ucheb zav.; gor.zhur. 7 no 3;148-154 '64

IUshchenko, IU.L., and others. [The "Dnipro" control computer with a wide range of applications and its programming programm; programmer's manual] Upravliaiushchaia mashina shirokogo naznacheniia "Dnipro" i programmiruiushchaia programma k nei; spravochnik programmista. Kiev, Izd-vo "Naukova dumka," 1964. 279 p.

Ivanov, A.A. [Theory of automatic control and regulation] Teoriia avtomaticheskogo upravleniia i regulirovaniia. Moskva, Izd-vo "Nedra," 1964. 328 p.

Maizel', M.M. [Fundamentals of automatic control and automation of industrial processes] Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov. Izd.2., sokr. i perer. Moskva, Vysshaia shkola, 1964. 579 p.

Maizel', M.M. [Fundamentals of the automation of production processes in light industry] Osnovy avtomatizatsii proizvodstvennykh protsessov v legkoi promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964. 322 p.

Matrix method for minimizing the number of internal states of asynchronous finite automata. V.G.Lazarev. Izv.AN SSSR.Tekh.kib. no.1:36-38 Ja-F '64.

Mechanical characteristics of an asynchronous two-phase engine with a hollow rotor. A.S.Anisimov. Izv. SO AN SSSR no.2.Ser.tekh.nauk no.1:18-25 '64.

Method for obtaining an approximate characteristics equation of an automated gas main. D.B.Batasanov. Avtomatyka 8 no.6:65-77 '63.

Methods for constructing a program control unit for a regulating device. V.G. Lazarev, E. I. Piil'. Probl. pered. inform. no.15:23-35 '63.

MGP-600 depth piston manometer. G.G.Poliakov. Mash. i neft.obor. no.6:31-32 '63

Minsker, E.I. [Electrical control of automatic lines in the machinery industry] Elektricheskoe upravlenie avtomaticheskimi liniiami v mashinostroenii. Moskva, Izd-vo "Energiia," 1964. 87 p. (Biblioteka po avtomatike, no.100)

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Control computers in the petroleum refining and chemical industries; foreign systems] Upravliaiushchie vychislitel'nye mashiny v neftepererabatyvaiushchei i khimicheskoi promyshlennosti; zarubezhnye sistemy. Tematicheskii nauchno-tekhnicheskii sbornik. Moskva, 1962. 41 p. (Seriia: Neftepererabotka i neftekhimiia)
[MICROFILM]

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [New knitting machines of the German Federal Republic] Novye trikotazhnye mashiny FRG. Moskva, 1963. 49 p. (Seriia III. Novye mashiny, oborudovanie i sredstva avtomatizatsii, no 68)
[MICROFILM]

Optimal transient processes in a system with prediction. N.N.Mikhailov, Zh.A.Novosel'tseva. Izv.AN SSSR. Tekh.kib. no.1:187-195 Ja-F '64.

Optimalizing control of continuous multiparameter systems using a random search technique. V.A. Mutsenieks, L.A.Rastrigin. Izv.AN SSSR.Tekh.kib. no.1:101-110 Ja-F '64.

Optimum control of microelectric drives at limited phase coordinates. A.S.Anisimov. Izv. SO AN SSSR no 2 Ser.tekh.nauk no.1:9-17 '64.

Optimum stabilization of nonlinear systems. E.G. Al'brekht. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:7-14 '63.

Performance of automatic and remote control systems in sections with a.c. electric traction. I.A.TSetsura. Zhel.dor.transp. 46 no.1:43-45 Ja '64.

Photoelectric device for stabilizing positions in space. O.H.Vandolovs'kyi. Avtomatyka 9 no.4:68-71 '64.

Polyinvariance in combined nonlinear automatic control systems. V.V.Pavlov. Avtomatyka 9 no.4:87-88 '64.

Prediction of biological nonstationary processes using a characteristic component technique. V.H.Lapa. Avtomatyka 9 no.4:80-82 '64.

Principal dynamic regularities of the flotation process as an object of automatic control. V.Z.Kozin. V.A. Lukas. Izv.vys.ucheb.zav.; gor.zhur. 7 no.3:164-170 '64.

Problem concerning the evaluation of essential object parameters. V.P.Zhivogliadov, E.P.Maslov. Izv. AN SSSR.Tekh.kib. no.1:175-181 Ja-F '64.

Problems affecting the analysis and synthesis of measuring systems for extrapolating random fields. A.G.Senin. Izv. SO AN SSSR no.2 Ser.tekh.nauk no.1:54-62 '64

Programmed control of a rotary excavator. A.S.Belash, A.F.Kovalev, G.F.Linnik. Ugol' 39 no.5:71-72 My '64.

Properties of some structures of multiple-link systems with regulating models. K.D Zhuk. Avtomatyka 9 no 4:3-9 '64.

Prospects for using the "Zenit-2" electronic computer in the petroleum and petrochemical industries M M. Ladyzhenskii Mash i neft.obor no.2:30-35 '64.

Remote and automatic control of the operations of several oil fields from one computing center. Nefteprom.delo no.7:44-45 '64.

Review of "Analysis and synthesis of pulse type and digital automatic control systems." IU.M.Chekhovyi, P.P.Sheyko. Avtomatyka 8 no.6:84-86 '63.

Shortening the response time for linear measuring systems of n-th order. V M.Aleksandrov, B.G Matienko, A.A.Nesterov, Izv. SO AN SSSR no.2.Ser tekh.nauk no.1:43-53 '64.

Single-phase device for controlling and reversing a three-phase load. V.O Barabanov, A.K.Shydlovs'kyi. Avtomatyka 9 no 4:65-68 '64.

Sinus condenser as a converter of angular displacement. IU.F.Sul'zhenko. Avtomatyka 9 no.4:57-64 '64.

Stabilization of a control system by the introduction of nonlinear compensation. E.D.Viktorov. Izv.AN SSSR. Tekh.kib. no.1:196-201 Ja-F '64.

Stabilization of regulation systems. E.A.Barbashin, E.I.Gerashchenko. Prikl.mat.i mekh. 28 no.4:761-765 Jl-Ag '64.

Studying the influence of natural gas and oxygen on the thermal and aerodynamic processes of the tuyere zones in a blast furnace, for the purpose of their automatic stabilization. K.A.Shumilov, V.L.Mol'nichuk. Met.i gornorud.prom. no.6:3-7 N-D '62.

Synthesis of a complex system consisting of a continuous and discrete channel. I.B.Chelpanov. Izv.AN SSSR. Tekh.kib. no.1:154-164 Ja-F '64.

Synthesis of automatic control systems according to the minimum criterion of the r.m.s. error with specific structure. L.P.Chkhartishvili. Izv.AN SSSR Tekh. kib. no.1:143-153 Ja-F '64.

Synthesis of automatic control systems with variable structures and discontinuous switching function. S.V. Emel'ianov, N.E.Kostyleva. Izv.AN SSSR.Tekh.kib. no.1:182-186 Ja-F '64.

Synthesis of one class of automatic control systems subject to the action of random disturbances. G.A. Agasandian. Izv.AN SSSR.Tekh.kib. no.1:165-174 Ja-F '64.

Technological control of the electric parameters of units, assemblies, and measuring systems. A.F. Belov and others. Nauch.-tekh.sbor.Gos.izd-va lit.v obl.atom.nauki i tekh. no.6:76-92 '63.

Tereshchenko, K.K. [Automatic program control networks of mechanisms with reversing drives] Skhemy programmnogo avtomaticheskogo upravleniia mekhanizmami s reversivnym privodom. Moskva, Izd-vo "Energiia," 1964. 119 p.

Unit for automatic switch-over of well feeding to self-feeding. V.G.Vartanov Mash.i neft.obor. no 5:17-18 '63.

Use of analog computers in the iterative process of determination of control in a certain optimal system. V.V.Aleksandrov. Vest.Mosk.un.Ser.1: Mat.,mekh. 19 no.4:54-58 Jl-Ag '64.

Use of automations in the control blocks of digital computers. Avtomatyka 8 no.6:11-16 '63.

Use of controlled silicon valves as output elements in the automatic control systems of traction substations. I.V.Petrov. Trudy TSNII MPS no.276:106-114 '64.

Using the MESU-IV electronic level indicator in the automatic control of a pumping assembly. E.I. Dizenko. Transp.i khran.nefti i nefteprod. no.6:9-12 '64.

Variational approach to the evaluation of the harmonic balance technique. E.N.Rozenvasser. Izv.AN SSSR. Tekh.kib. no.1:111-123 Ja-F '64.

Vodianik, P.F. [Automatic control of a gas field] Avtomaticheskoe upravlenie gazovym promyslom. Moskva, Nedra, 1964. 223 p.

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref.zhur.: Avtom., telem.i vych.tekh. no.8 Ag '64.

AUTOMATIC CONTROL—BOUNDARY VALUE PROBLEMS

Linear problem of control in a Banach space. Z.I. Khalilov. Dokl.AN Azerb.SSR 20 no.5:3-6 '64.

AUTOMATIC PILOT (AIRPLANES)

Automatic control system of a supersonic airplane. V Kovalev, F Sklianskii. Av.i kosm. 47 no.9.54-60 S '64

Pavlov, V.A., S.A.Ponyrko, and IU.M.Khovanskii. [Stabilization of aircraft and automatic pilots] Stabilizatsiia letatel'nykh apparatov i avtopiloty. Moskva, Vysshaia shkola, 1964. 483 p.

Measuring small time intervals by means of an attachment to the electric timer L V Surzhin, N S Prokurorov Izm tekh no 3:19-23 Mr '64

Measuring the braking period with an electric timer. V. V. Nikiforov Izm tekh. no. 3 23-24 Mr '64

AUTOMATION

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut gornogo dela. [Radio communication systems and high-frequency remote control in the mining industry] Radiosviaz' i vysokochastotnaia telemekhanika v gornoi promyshlennosti. Otd. red. M. M Savkin. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 173 p

Automatic line for machining profiled pipes for bushing billets. N. P Sliusar', S I Smirnov. Mashinostroitel' no. 7 16-17 Jl '64.

Automating mercury-arc rectifier units of a traction substation in a mine. G. I. Liauk. Sbor. nauch trud KGRI no. 10,265-275 '61.

Automation as the new historical stage of technological development G N Volkov Vop filos 18 no. 6 15-26 '64.

Automation in the preparation departments of rubber tire plants. B E Mandel'shtam, S A Prasolov Kauch i rez 23 no 7-36-42 Jl '64

Basic sources for the increase of labor productivity in the chemical industry. L. M. Profatilova. Khim. prom. [Ukr.] no. 3:67-70 Jl-S '63.

Calculations of the economic efficiency of automation should have a reliable base. V. A. Filippova. Mekh i avtom. proizv. 18 no. 1:37-38 Ja '64

Conference on the overall mechanization and automation of industrial processes in the metallurgy of the Ukrainian S. S. R. Met. i gornorud. prom. no 6:81-82 N-D '62

Determining basic parameters of automatic lines I IA. Retsker, A. A. Bunin Stan i instr. 35 no. 6,17-19 Je '64.

Electronic device for automating drainage equipment with a low-voltage drive. L. V Trubetskov, A S Sergeev. Sbor nauch trud KGRI no. 10:254-259 '61.

Increasing economic efficiency of automatic production lines. O. I. Volkov. Mekh. i avtom. proizv. 18 no. 1: 34-37 Ja '64.

Lazarev, V. G., and E. I. Pill'. [Synthesis of asynchronous finite automata] Sintez asinkhronnykh konechnykh avtomatov. Moskva, Izd-vo "Nauka," 1964. 258 p.

Maizel', M. M. [Fundamentals of automatic control and automation of industrial processes] Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov. Izd. 2., sokr. i perer. Moskva, Vysshaia shkola, 1964. 579 p.

On the road to complete mechanization. N. Kochkina. Agitator no. 10:45-48 My '64.

Overall automation of the chain-roller manufacturing area. B. P. Boris. Mekh. i avtom. proizv. 18 no 1: 1-2 Ja '64.

Problems of automation V. D. Mironov Teploenergetika 10 no. 12.7-10 D '63

Readers' conference at a factory. N. L. Rabinovich, S. IU. Flegontova. Mekh. i avtom. proizv. 18 no. 1:54-55 Ja '64.

Reliability of automatic lines composed of transfer machines. I. A Klusov Vest. mashinostr. 44 no 6:71-74 Je '64.

The role of science and prospects for the development of production forces in the period of the large-scale building of communism. N. I. Babenko. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 1:3-11 '64.

Scientific and technical handbook "Devices and means of automation." Mekh. i avtom. proizv. 18 no. 1:57 Ja '64.

Simulation of the systems of railroad automation by means of digital computers. V. A. Mikheev. Vest. TSNII MPS 23 no. 4:57-60 '64.

Technical and economic efficiency of automating accounting and control in transportation processes. N. I. Evplov. Zhel. dor. transp. 46 no. 1 24-26 Ja '64

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATISM

Some characteristics of the dynamics of the Kandinskii-Clerambault syndrome in patients with the paranoid form of schizophrenia. T. A. Klimusheva. Trudy Gos. nauch.-issl. inst. psikh. 40:207-217 '63.

AUTOMOBILE EXHAUST GAS

The automobile is our friend, but... L. Kokin. Sov. profsoiuzy 20 no. 16.47-48 Ag '64

AUTOMOBILE INDUSTRY see subdivision under Germany, West, Gorkiy; Moscow

AUTOMOBILE INDUSTRY WORKERS see subdivision under Chelyabinsk

AUTOMOBILES

Gurman, V. S., and G. N. Sarkhosh'ian. [ZAZ-965 "Zaporozhets" automobile; design, operation, maintenance and repair] Avtomobil' ZAZ-965 "Zaporozhets"; ustroistvo, upravlenie, tekhnicheskoe obsluzhivanie i remont. Moskva, Transport, 1964. 210 p.

Khal'fan, IU. A. ["Moskvich-407" automobile; its structural characteristics and maintenance] Avtomobil' "Moskvich-407", ustroistvo i tekhnicheskoe obsluzhivanie. Moskva, Transport, 1964. 55 p.

AUTOMOBILES—LUBRICATION

Evaluating the operational properties of oils at reduced temperatures under conditions of engine operation M A. Senichkin, V. I. Gorobets Khim. i. tekh. topl. i masel 9 no. 4 51-53 Ap '64.

AUTOMOBILES—ROAD GUIDES see subdivision under Crimea

AUTOMOBILES—SPRINGS AND SUSPENSION

Torsional suspension of an automobile L Rastegaev, P Nikiforov Tekh i vooruzh. no 3 25-27 Mr '64

AUTOMOBILES, MILITARY

An automobile in summer A Shirinskii Tekh i vooruzh. no. 3 41-44 Mr '64.

AUTOMOBILES, MILITARY—FUEL CONSUMPTION

Reserves of gasoline saving. V. Grigor'ev Tekh i vooruzh. no 3,59-60 Mr '64.

AUTOMOBILES, MILITARY—MAINTENANCE AND REPAIR

The first kilometers V. Ivanov Starsh -serzh no 7 14 Jl '64

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC DRUGS

Characteristics of coronary chemoreflexes. B. L Tkachenko. Fiziol. zhur. 49 no. 11:1360-1368 N '63.

Effect of ganglioblocking substances on the development of collateral blood vessels in the myocardium in experimental myocardial infarct in rabbits. A. A Miazdrikova. Farm. i toks 26 no. 2:169-172 Mr-Ap '63.

Ganglioblocking substances in the series of bis-quaternary salts of dialkylaminoalkyl esters of N-methyl-α-pyrrolidine carboxylic acid. D A. Kharkevich, Farm i toks. 26 no 2:172-179 Mr-Ap '63

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTORADIOGRAPHY

Cultivation of human bone marrow in vitro and its autoradiography S V Kanaev, A V Kuleshov Lab delo no 7 430-434 '64.

Radioautographic study of chromosome reproduction in Vicia faba. A. B. Iordanskii. Dokl. AN SSSR 158 no. 1. 192-195 S-O '64.

AVIATION MEDICINE

Content and methods of medical control of the nutrition of flying personnel. I. M. Buznik. Voen.-med. zhur. no. 1:64-70 '63.

Effect of flying in supersonic aircraft on metabolism in the body of an aviator. G. A. Arutiunov and others. Voen.-med. zhur. no. 1:60-64 '63.

AXLES

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po normalizatsii v mashinostroenii. [Axles with beads and grooves for clamping rings for hinged joints. Clamping rings and their grooves] Osi s burtikom i protochkoi pod zapornoe kol'tso dlia sharnirnykh soedinenii. Kol'tsa zapornye i protochki pod nikh (MN 469-61; MN 470-61). Moskva, Izd-vo standartov, 1964. 10 p. (SSSR. Normali mashinostroeniia)

AY PETRI—GUIDEBOOKS

Vorontsov, E. A. [Ay Petri, the great canyon; a guidebook and manual] Ai-Petri — Bol'shoi kan'on; putevoditel'-spravochnik. Simferopol', Izd-vo "Krym," 1964. 61 p.

AZABICYCLOOCTANONE

Beckmann rearrangement in the heterocyclic series. Rearrangement of oximes of 3-quinuclidinone and 1-azabicyclo[3,2,1]-6-octanone. M. V. Rubtsov and others. Zhur. ob. khim. 34 no. 7:2222-2226 Jl '64.

AZEOTROPES

Concentration regions of the location and temperature displacement of ternary azeotropes. Part 3 [with summary in English]. L. S. Kudriavtseva, M. P. Susarev. Zhur. fiz. khim. 38 no. 2:345-350 F '64.

AZEPINONE

Alkali polymerization of caprolactam. A P. Hrekov, K. A. Kornev, D N IArovyi. Khim prom [Ukr] no. 3: 48-50 Jl-S '63.

AZERBAIJAN—ALLIED INTERVENTION, 1918-1920

Lifshits, L. M. [The heroic feat of the Bolsheviks in Baku; from the history of the struggle for the victory of the socialist revolution in Azerbaijan from 1917 to 1918] Geroicheskii podvig bakinskikh bol'shevikov; iz istorii bor'by za pobedu sotsialisticheskoi revoliutsii v Azerbaidzhane v 1917-1918 gg. Baku, Azerneshr, 1964. 293 p.

AZERBAIJAN—ANTIQUITIES

A settlement on the Gushgan Hill F. Ibragimov Dokl AN Azerb SSR 19 no. 9 97-103 '63

AZERBAIJAN—CATTLE—DISEASES AND PESTS

Symptomatic measures for treatment of cattle theileriasis. D M Bagirov Dokl. AN Azerb. SSR 19 no 9 89-92 '63

AZERBAIJAN—CHEMICAL INDUSTRIES

Workers of the oil and gas industry of Azerbaijan are creating a base for macromolecular chemistry A D Amirov Neft khoz 42 no 7 1-4 Jl '64

AZERBAIJAN—CHEMICAL INDUSTRIES—FINANCE

Financial and administrative operation of chemical enterprises and the control of financial organs K. Khalilov Fin SSSR 38 no 6:8-12 Je '64.

AZERBAIJAN—CHEMICAL WORKERS—EDUCATION AND TRAINING

Let us study, creators of chemistry. K. Dadashev. Sov. profsoiuzy 20 no 15:12-14 Ag '64.

AZERBAIJAN—CLAY—ANALYSIS

Studying the substantial composition and physical properties of the clay rocks of the Apsheronian stage of western Azerbaijan (Ortagash fold). D. A. Sultanov, S. A. Mustafaeva. Dokl. AN Azerb. SSR 20 no 5:27-32 '64.

AZERBAIJAN—CLIMATE

Typification synoptic processes causing an invasion of cold weather in Azerbaijan. I. A Ismailov Dokl. AN Azerb. SSR 20 no. 5:33-36 '64.

AZERBAIJAN—COLLECTIVE FARMS

The history of the collectivization of agriculture in Azerbaijan (1929-1931). T. K. Kocharli. Vop. ist. KPSS 8 no. 8:60-70 Ag '64.

AZERBAIJAN—CORALS, FOSSIL

Stratigraphic significance of Upper Jurassic six-rayed corals in the northeastern part of the Lesser Caucasus (Azerbaijan) R. G Babaev. Dokl AN Azerb SSR 19 no 9 35-38 '63.

AZERBAIJAN—ECONOMIC CONDITIONS

Flourishing Azerbaijan. Sov. voin 46 no. 9:35 My '64.

Toward the 46th anniversary of the Great October Revolution Za tekh prog 3 no. 11:1-2 N '63.

AZERBAIJAN—ELECTRIC PROSPECTING

Abdullaev, R. A., and Kh. D. Dzhafarov. [Theory and practice of the interpretation of geophysical observations; interpretation of the observations of seismic and electric prospecting in complex geological and geophysical conditions as revealed by studies made on the deposits of Azerbaijan] Teoriia i praktika interpretatsii geofizicheskikh nabliudenii; interpretatsiia seismorazvedochnykh i elektrorazvedochnykh nabliudenii v slozhnykh geologo-geofizicheskikh usloviiakh na primorakh mestorozhdenii Azerbaidzhana. Baku, Azerneshr, 1964. 196 p

AZERBAIJAN—FEEDWATER PURIFICATION

Hydrazine treatment of feed water for high-pressure boilers at the "Severnaia" State Regional Heat Power Station K. M. Abdullaev, R. I. Melikova. Za tekh prog. 3 no. 11:13-15 N '63

AZERBAIJAN—FLIES

Housefly Musca sorbens Wd. (Diptera, Muscidae) in Azerbaijan. G. K. Trofimov. Ent oboz. 42 no. 4 757-764 '63.

AZERBAIJAN—FOREST SOILS

Formation of taluses and their binding in a forest zone. Kh. M. Mustafaev. Dokl. AN Azerb. SSR 19 no. 9:75-79 '63.

AZERBAIJAN—GAS, NATURAL—GEOLOGY

Structural features of the Jurassic sediments of southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials. K. M. Sul'tanov, S. S. Samedov, Ch. M. Kalifa-Zade. Azerb. neft. khoz. 43 no. 3:1-4 Mr '64.

AZERBAIJAN—GAS INDUSTRY

Workers of the oil and gas industry of Azerbaijan are creating a base for macromolecular chemistry. A. D Amirov Neft khoz 42 no. 7 1-4 Jl '64

AZERBAIJAN—HEALTH EDUCATION

Two years' work of a public health university. M. A. Ibragimov. Azerb. med. zhur. no. 6:29-35 Je '62.

AZERBAIJAN—HISTORY

[In the united family of fraternal peoples] V edinoi sem'e bratskikh narodov. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 436 p.

AZERBAIJAN—INDUSTRIES

Melik-Akhnazarov, KH. IU. [The Azerbaijan S. S. R. at the Exhibition of the Achievements of the National Economy of the U. S. S. R.] Azerbaidzhanskaia SSR na VDNKh SSSR. Baku, Azerbaidzhanskoe gos. izd-vo, 1960. 63 p.

[MICROFILM]

Role of financing in technological progress. S. D. Gakhramanov. Za tekh. prog. 3 no. 11:43-46 N '63.

AZERBAIJAN—LICORICE

Vegetative reproduction of the licorice Glycyrrhiza glabra L. M A. Mikailov Dokl AN Azerb SSR 19 no.3 67-70 '63.

AZERBAIJAN—MAPS

Akademiia nauk Azerbaizhanskoi SSR. Baku. Institut geografii. [Atlas of the Azerbaijan S.S.R.] Azerbaidzhan Sovet Sosialist Respublikasynyn, atlasy. Baky, SSRI Dovlet Keolokiia komitesinin Bash keodezija ve Keritechilik idaresi, 1963. 213 p. [In Azerbaijani]

AZERBAIJAN—MEDICINE

Hindiev, I.K. [History of medicine in Azerbaijan from ancient times to the 19th century] Istoriia meditsiny v Azerbaidzhane s drevneishikh vremen do XIX veka. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 217 p.

AZERBAIJAN—MELON-FLIES

Melon fly. G.F.Asadov Dokl.AN Azerb.SSR 20 no.5:57-61 '64.

AZERBAIJAN—MUD VOLCANOES

Effect of mud volcanoes in Azerbaijani R.R Rakhmanov Dokl. AN Azerb SSR 19 no.9 31-34 '63

AZERBAIJAN—MULBERRY—VARIETIES

A new shrublike mulberry "Kol-tut." I.K. Abdullaev Dokl. AN Azerb.SSR 19 no 9 69-74 '63

AZERBAIJAN—OIL WELL CASING

Lowering an 8 5/8" liner into the deepest well in the Soviet Union. E.B.Kerimov, A.S.Rzaev, A.S Shevtsov. Azerb neft.khoz 42 no.6.11-13 Je '63.

AZERBAIJAN—OIL WELL LOGGING, RADIATION

Natural radioactivity of the sedimentary rocks of certain regions in Azerbaijan A O Martirosova. Geol nefti i gaza 7 no.12 36-41 D '63

AZERBAIJAN—PETROLEUM ENGINEERING

Results of the scientific research of institutes for 1963 and the economic efficiency of the operations introduced A. A. Ali-Zade, Z F Rzabekov, M A Subbotin Neft khoz. 42 no 7·67-70 Jl '61

AZERBAIJAN—PETROLEUM ENGINEERS—EDUCATION AND TRAINING

Industrial training of students in enterprises of the Council of the National Economy R G Ismailov. Izv vys. ucheb zav , neft' i gaz 5 no 10 117 '62

AZERBAIJAN—PETROLEUM GEOLOGY

Certain problems concerning the geological structure and conditions for the drilling of wells in the Karabagly Area. A.S. Abasov, M.R.Guseinov Azerb.neft.khoz. 42 no.6:6-9 Je '63.

Structural features of the Jurassic sediments of southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials K.M.Sul'tanov, S.S. Samedov, Ch.M.Kalifa-Zade Azerb.neft.khoz. 43 no.3:1-4 Mr '64.

AZERBAIJAN—PETROLEUM INDUSTRY

Workers of the oil and gas industry of Azerbaijan are creating a base for macromolecular chemistry A D Amirov Neft khoz 42 no 7 1-4 Jl '64

AZERBAIJAN—PETROLEUM PRODUCTION

Controlling measures for stimulating the bottom zones of wells in the Oil Field Administration of the Lenin Petroleum Trust. V.G Vartanov. Nefteprom.delo no. 5:35-36 '64.

Incremental oil production from the upper section of a producing series in the Lenin region S.S.Nazarov. Azerb.neft.khoz. 43 no.5:21-23 My '64

AZERBAIJAN—POLITICS AND GOVERNMENT

Akhundov, V.IU. [The 150th anniversary of Azerbaijan's incorporation into the Russian state; report at the meeting of the group of activists on March 13, 1963] 150 let vkhozhdeniia Azerbaidzhana v sostav Rossii, doklad na sobranii aktiva 13 marta 1964 goda. Baku, Azerneshr, 1964. 69 p.

AZERBAIJAN—ROCKS, SEDIMENTARY—RADIOACTIVE PROPERTIES

Natural radioactivity of the sedimentary rocks of certain regions in Azerbaijan A O Martirosova Geol nefti i gaza 7 no.12 36-41 D '63

AZERBAIJAN—SEISMIC PROSPECTING

Abdullaev, R.A., and Kh.D.Dzhafarov. [Theory and practice of the interpretation of geophysical observations, interpretation of the observations of seismic and electric prospecting in complex geological and geophysical conditions as revealed by studies made on the deposits of Azerbaijan] Teoriia i praktika interpretatsii geofizicheskikh nabliudenii, interpretatsiia seismorazvedochnykh i elektrorazvedochnykh nabliudeniia v slozhnykh geologo-geofizicheskikh usloviiakh na primerakh mestorozhdenii Azerbaidzhana. Baku, Azerneshr, 1964. 198 p.

AZERBAIJAN—SILVERSMITHING

Fretwork patterns in Azerbaijani silversmithing. S.D. Asadova. Isk.Azerb. no.10:85-95 '64.

AZERBAIJAN—SOVIETS

The attention of local soviets is concentrated on the needs of the population I.D.Rasulbekov Sov.gos.i pravo 34 no.7:117-129 Jl '64

AZERBAIJAN—STATISTICS

Azerbaijan. TSentral'noe statisticheskoe upravlenie. [Azerbaijan in figures, a brief statistical abstract] Azerbaijan in figures, a brief statistical abstract] Azerbaidzhan v tsifrakh, kratkii statisticheskii sbornik. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 301 p.

AZERBAIJAN—STEEL INDUSTRY

The metallurgical industry of Azerbaijan is a product of the Soviet government M B Tagiev, N.G Mamedov Metallurg 9 no 7 32-33 Jl '64

AZERBAIJAN—TEA—FERTILIZERS AND MANURES

Effect of a complex organic and mineral trace element fertilizer on the yield of green tea leaves G.Kh. Takhmazov. Dokl.AN Azerb.SSR 20 no.5·63-67 '64.

AZERBAIJAN—THEATER

Dzhafarov, Dzh. [Azerbaijani dramatic theater, the *Azizbekov Theater, 1873-1941*] *Azerbaidzhanskii* dramaticheskii teatr, teatr im. Azizbekova, 1873-1941. Baku, Azerneshr, 1962. 425 p.

AZERBAIJAN—THEILERIASIS

Symptomatic measures for treatment of cattle theileriasis. D M Bagirov. Dokl AN Azerb.SSR 19 no.9 89-92 '63.

AZERBAIJAN—TILES

Ceramics in interior trims of two little-known architectural monuments of Azerbaijan N.A Sarkisov Dokl AN Azerb.SSR 19 no.9 93-96 '63

AZERBAIJAN—WATER, UNDERGROUND

Problems of the stream capture of underground waters in sloping plains as revealed by a study of the Kirovabad-Kazakh sloping plain L A Krasil'shchikov. Dokl AN Azerb SSR 19 no.9 45-49 '63

AZERBAIJANI LITERATURE—HISTORY AND CRITICISM

Kasum-Zade, K.Kh. [Friendship of peoples in Soviet Azerbaijani literature] Druzhba narodov v Azerbaidzhanskoi sovetskoi literature. Baku, Azerneshr, 1963. 163 p.

AZHBULAT, LAKE—SALINE WATERS

Salt flow in the Burla River and salt accumulation in Lake Azhbulat. M.F.Linpunov Izv Sib.otd AN SSSR no 12 92-102 '62

AZIDES

Sterically hindered aminophenols and quinodiazides. G.A.Nikiforov, V V.Ershov. Izv.AN SSSR.Ser.khim. no.7:1335-1337 Jl '64.

AZIDO GROUP

Interaction of the azide group with a nitroso group. L.A.Neiman, V.I.Maimund, M.M.Shemiakin. Izv.AN SSSR.Ser.khim. no.7:1357 Jl '64.

AZO COMPOUNDS

Kinetics and mechanism of the azo coupling of 9-methylacridine and iodomethylate of 9-methylacridine. I.M.Mishina, L S.Efros. Zhur.ob.khim. 34 no.7: 2360-2366 Jl '64.

Synthesis of substituted azo derivatives of benzene Part 3. I.Kh.Fel'dman, Ch.S.Frankovskii. Zhur.ob. khim. 34 no.7:2407-2410 Jl '64.

AZO DYES

New indicator in the neutralization method. Z.P. Suranova. Nauch.ezhegod.Khim fak.Od un. no 2· 72-74 '61.

Some piridine azo dyes as complexometric indicators for gallium. A I.Busev, L.M.Skrebkova Izv.Sib.otd AN SSSR no.7:57-63 '62.

Study in the field of the analytic use of halochromism in *azo dyes. T.S. Zhigalkina, A.I. Cherkesov.* Trudy Astr.tekh.inst ryb.prom i khoz no.8·50-73 '62

AZOTOBACTER see subdivision under Baraba Steppe

AZOV, SEA OF—CALANOIDA

Materials on the feeding habits of Calanipeda aquaedulcis (Crustacea, Calanoida) in the Sea of Azov A.F. Gun'ko, A.IA Aldakimova. Trudy AzNIIRKH no.6· 3-5 '63.

AZOV, SEA OF—CIRRIPEDIA

Feeding habits of copepods and barnacle larvae in the Sea of Azov. E.N.Kudelina, S.K.Zhuravleva Trudy AzNIIRKH no.6·71-82 '63

AZOV, SEA OF—COPEPODA

Feeding habits of copepods and barnacle larvae in the Sea of Azov. E.N.Kudelina, S.K.Zhuravleva Trudy AzNIIRKH no.6·71-82 '63.

AZOV, SEA OF—FISHES—FOOD

Daily ration of the fry of the gobies Neogobius melanostomus Pallas and Gobius cephalargens Pallas in the early stages of development. E.N.Kudelina. Trudy AzNIIRKH no.6:83-94 '63

AZOV, SEA OF—GOBIES

Daily ration of the fry of the gobies Neogobius melanostomus Pallas and Gobius cephalargens Pallas in the early stages of development E N Kudelina Trudy AzNIIRKH no 6·83-94 '63

Fecundity of the gobies Neogobius melanostomus Pallas and N syrman (Nordmann) A S Mikhman. Trudy AzNIIRKH no 6 105-109 '63

Materials on the biology of the goby Neogobius syrman (Nordmann) V.N.Maiskii Trudy AzNIIRKH no 6: 95-103 '63

Methods of estimating the abundance of young gobies in the Sea of Azov Trudy AzNIIRKH no 6 111-117 '63

AZOV, SEA OF—HYDROMETEOROLOGY

Elements of thermal balance and their role in the formation of the hydrometeorological regime and primary productivity of the Sea of Azov. M K.Spichak Trudy AzNIIRKH no 6 27-31 '63

AZOV, SEA OF—IRON ORES

Distribution of iron in the superficial sediment layer of the Sea of Azov. D.G.Panov, A.N.Aleksandrov. Dokl. AN SSSR 157 no.4:894-896 Ag '64.

AZOV, SEA OF—MARINE SEDIMENTS

Distribution of iron in the superficial sediment layer of the Sea of Azov. D.G.Panov, A.N.Aleksandrov. Dokl. AN SSSR 157 no.4.894-896 Ag '64.

AZOV, SEA OF—PHYTOPLANKTON

Elements of thermal balance and their role in the formation of the hydrometeorological regime and primary productivity of the Sea of Azov M K.Spichak Trudy AzNIIRKH no 6 27-31 '63.

Production of organic matter in the Sea of Azov in 1960. I.K.Shelomov, A IA.Aldakimova Trudy AzNIIRKH no 6·33-12 '63

AZOV, SEA OF—SALINITY

Conditions of the formation and characteristics of continental runoff and the salinity of the Sea of Azov M.K.Spichak. Trudy AzNIIRKH no 6 17-26 '63

AZOV SEA REGION—ANTIQUITIES

Paleolithic monuments of the lower Don and the northeastern region of the Sea of Azov and their stratigraphic significance. N.D.Praslov. Biul.Kom.chetv.per. no.29·51-66 '64

AZOV SEA REGION—DIKES (GEOLOGY)

Microurdalite dike in the region of the Sea of Azov. V.G. Kushev. Trudy Lab.geol.dokem. no.19:381-382 '64.

AZOV SEA REGION—GEOLOGY, STRATIGRAPHIC

Paleolithic monuments of the lower Don and the northeastern region of the Sea of Azov and their stratigraphic significance. N D.Praslov. Biul.Kom.chetv.per no.29;51-66 '64.

Stratigraphy of Quaternary sediments in the region of the Sea of Azov. I.A.Dubrovo, M.I.Alekseev. Biul.Kom. chetv.per. no.29·35-43 '64.

AZOV SEA REGION—GRANITE

Small intrusion granites in the region of the Sea of Azov. D.P.Vinogradov. Trudy Lab.geol.dokem. no.19:277-282 '64.

AZOV SEA REGION—NEPHELINE SYENITE

Microurdalite dike in the region of the Sea of Azov. V.G. Kushev. Trudy Lab.geol.dokem. no.19:381-382 '64.

Nepheline syenite in the middle Dnieper Valley and the region of the Sea of Azov. I.D.TSarovskii. Trudy Lab. geol.dokem. no.19:272-276 '64.

AZOV SEA REGION—ORE DEPOSITS

New data on the ore potential of Cimmerian sediments in the region of the Sea of Azov. A.U.Litvinenko, V.T. Pogrebnoi. Dokl.AN SSSR 157 no.4:852-855 Ag '64.

AZOV SEA REGION—RUNOFF

Conditions of the formation and characteristics of continental runoff and the salinity of the Sea of Azov M.K.Spichak. Trudy AzNIIRKH no 6·17-26 '63

AZOV SEA REGION—SYENITE

Intrusions of alkaline-earth syenites, their internal structure and chemical composition (the region of the sea of Azov). N.A.Eliseev, V.G.Kushev. Trudy Lab.geol. dokem. no.19:255-271 '64.

BCG VACCINATION
(see also subdivision under Stepanavan District)

Morphological changes at the tuberculin reaction site in vaccinated and nonvaccinated animals. M.IA Diukanova. Probl.tub. 42 no.1:80-85 '64.

BCG VACCINATION—COMPLICATIONS AND SEQUELAE

Local reactions in intradermal revaccination. L.A. Mitinskaia. *Probl.tub.* 42 no.1:3-6 '64.

BACTERIA, ANAEROBIC

Operation of exchange transfusion of blood in anaerobic sepsis. I.I.Berliant. Akush.i gin. 40 no.1:45-48 Ja-F '64.

Sources and ways of spreading of the toxic bacteriosis in melons. N. A. Sizova. Nauch. dokl. vys. shkoly; biol. nauki no. 3;156-160 '64.

BACTERIA, SULFUR see subdivision under Baraba Steppe; Kulunda Steppe; Romashkino Oil Field

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Relation between the quantities of O_2 and CO_2 consumed by heterotrophic bacteria V I. Romanenko Dokl AN SSSR 157 no 1:176-179 Jl '64

BACTERIOPHAGE

Phage typing of staphylococci, a pathogen of infections in hospitals; review of literature. M. D. Krylova. Akush. i gin. 40 no. 1;3-8 Ja-F '64.

Single-strand infectious DNA of a small intestinal bacteriophage B. N Il'iashenko, O N. Rudchenko Dokl AN SSSR 157 no. 1 198-200 Jl '64

BADKHYZ REGION—GEOLOGY, STRATIGRAPHIC

Two types of cross sections of the sediments in the Esenbayskaya series. M. I Raevskii. Izv. AN Turk. SSR. Ser. fiz -tekh., khim. i geol. nauk no. 2;88-93 '63.

BAIKAL, LAKE—ORGANIC MATTER

Production of organic matter at the expense of the photosynthesis of phytoplankton in Lake Baikal. S. I. Kuznetsov, V. I. Romanenko, V. I. Glazunov. Dokl. AN SSSR 156 no. 6:1444-1447 Je '64.

BAIKAL, LAKE—PHYTOPLANKTON

Biological runoff of the Selenga River and its role in the life of Selenga shallow waters of Lake Baikal. G. I. Popovskaia, K. K. Votintsev. Dokl. AN SSSR 158 no 1: 208-211 S-O '64.

BAIKAL LAKE REGION—GARNET

Garnets as criteria for the isolation of pegmatite provinces (Northern Baikal pegmatite belt). IU. M. Sokolov. Trudy Lab. geol. dokem. no. 19:312-322 '64.

BAIKAL LAKE REGION—GEOLOGY

Geology and characteristics of the distribution of gold-copper-complex metal deposits in the northeastern part of the Lake Baikal region IU. V. Bogdanov, G. G. Kochin. Trudy VSEGEI 103;127-144 '64.

Manuilova, M. M., D. P. Vas'kovskii, and S. A. Gurulev. [Geology of the Pre-Cambrian in the northern part of the Lake Baikal region] Geologiia dokembriia Severnogo Pribaikal'ia. Moskva, Izd-vo "Nauka," 1964. 225 p.

BAIKAL LAKE REGION—GEOLOGY, STRATIGRAPHIC

Sedimentation and zoning of the paleolandforms of the Lake Baikal region and western Transbaikalia in the Lower Eopleistocene. L. P. Aleksandrova. Biul. Kom. chetv. per. no. 29;149-155 '64.

BAIKAL LAKE REGION—LANDFORMS

Sedimentation and zoning of the paleolandforms of the Lake Baikal region and western Transbaikalia in the Lower Eopleistocene. L. P. Aleksandrova. Biul. Kom. chetv. per. no. 29,149-155 '64.

BAIKAL LAKE REGION—ORE DEPOSITS

Geology and characteristics of the distribution of gold-copper-complex metal deposits in the northeastern part of the Lake Baikal region. IU. V. Bogdanov, G G. Kochin. Trudy VSEGEI 103;127-144 '64.

BAIKAL LAKE REGION—PEGMATITES

Garnets as criteria for the isolation of pegmatite provinces (Northern Baikal pegmatite belt). IU. M. Sokolov. Trudy Lab. geol. dokem. no. 19:312-322 '64.

BAKERIES see subdivision under Zhitomir

BAKERIES—ACCOUNTING

Methods for the distribution of overhead expenses I. F. Petrov Khleb. i kond. prom. 8 no. 7:26-29 Jl '64.

BAKERIES—AUDITING AND INSPECTION see subdivision under Talgar (Alma-Ata Province)

BAKERIES—EQUIPMENT AND SUPPLIES

Device for maintaining the water level in tanks. G. P. Morozenko. Khleb. i kond. prom. 8 no. 7;43-44 Jl '64.

Improved "Kuzbass" dough divider. S. A. Pai and others Khleb. i kond. prom. 8 no. 7;34-36 Jl '64.

BAKERIES—MANAGEMENT

Improve economics, introduce new technology. V. IA. Kurtin. Khleb. i kond. prom. 8 no 7;39-42 Jl '64.

BAKU—CITY PLANNING

Formation of the general plan for the development of a socialist Baku, 1920 to the 1930's. S. K. Regame. Isk. Azerb. no. 10;137-164 '64.

BAKU—RUSSIAN SOCIAL DEMOCRATIC PARTY

Lifshits, L. M. [The heroic feat of the Bolsheviks in Baku; from the history of the struggle for the victory of the socialist revolution in Azerbaijan from 1917 to 1918] Geroicheskii podvig bakinskikh bol'shevikov; iz istorii bor'by za pobedu sotsialisticheskoi revoliutsii v Azerbaidzhane v 1917-1918 gg. Baku, Azerneshr, 1964. 293 p.

BAKU ARCHIPELAGO—CABLES, SUBMARINE

Engineering-geology conditions governing the marine electric power transmission cable to the north-northeast of Alyat Cape. F S. Aliev, A. A. Guseinova Azerb. neft. khoz. 42 no. 6;9-10 Je '63.

BAKU ARCHIPELAGO—ENGINEERING GEOLOGY

Engineering-geology conditions governing the marine electric power transmission cable to the north-northeast of Alyat Cape. F. S. Aliev, A. A. Guseinova. Azerb. neft. khoz. 42 no. 6,9-10 Je '63

BAKU ARCHIPELAGO—PETROLEUM GEOLOGY

Physicomechanical properties of the rocks of a producing series in the Sangachaly-More-Duvannyy Island fields A. A. Imanov. Azerb. neft. khoz 43 no 5;1-3 My '64

BAKU ARCHIPELAGO—ROCKS—ANALYSIS

Physicomechanical properties of the rocks of a producing series in the Sangachaly-More-Duvannyy Island fields A. A. Imanov Azerb. neft khoz. 43 no 5;1-3 My '64.

BALAKHANY-SABUNCHI-RAMANY OIL FIELD—PETROLEUM GEOLOGY

Developing the Supra-Kirmaki sand series in the Koshanour region of the Balakhany-Sabunchi-Ramany field. R. Kh. Vezirova. Azerb. neft. khoz. 43 no. 3;10-11 Mr '64

BALANCING OF MACHINERY

Dimentberg, F. M., K. T. Shatalov, and A. A. Gusarov. [Vibrations of machinery] Kolebaniia mashin. Moskva, Mashinostroenie, 1964. 307 p.

BALANTIDIUM COLI

Liver function tests in balantidiasis. V. G. Khamtsov. Med. paraz. i paraz. bol. 32 no. 4;416-421 Jl-Ag '63.

BALASHIKHA—WOOLEN AND WORSTED MANUFACTURE

Baranova, Z. P., and others. [Factory of communist labor] Fabrika kommunisticheskogo truda. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 14)

BALASHOV (SARATOV PROVINCE)—SUGAR BEETS

Beet zone of the sugar refinery G. Bespakhotnyi. Zakup sel'khoz prod. no. 1,22-23 Ja '64

BALKAN MOUNTAINS—PETROLEUM GEOLOGY

Sixth Congress of the Carpatho-Balkan Geological Association. N. Sazonov. Geol. nefti i gaza 7 no. 12 50-51 D '63.

BALKAN PENINSULA—POLITICS

Academic conference on the history of the national liberation movement in the Balkans and Near East. A. S. Silin Vop. ist. 39 no 7:119-121 Jl '64

BALKAN PENINSULA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

The Soviet soldier, a liberator. N. Mishin. Voen. vest. 44 no. 7;122 Jl '64.

BALKHAN RANGE—BOTANY

Conspectus of the flora of the Greater Balkhan Range. Report No. 1. G. M. Proskuriakova. Nauch. dokl. vys. shkoly, biol. nauki no. 3;107-118 '64.

BALKHASH LAKE REGION—CORN (MAIZE)

Biology of the flowering of corn in the desert zone of the southern Balkhash region. K. V. Volkovich. Trudy Inst bot. AN Kazakh. SSR 16:236-246 '63.

BALKHASH LAKE REGION—GLACIAL EPOCH

Pleistocene "frost" and "arid" wedges in the Lake Balkhash region. N. I. Kriger, V. P. Kopylova. Biul. Kom. chetv. per. no. 29;183-188 '64.

BALKHASH LAKE REGION—LANDFORMS

Pleistocene "frost" and "arid" wedges in the Lake Balkhash region. N. I. Kriger, V. P. Kopylova. Biul. Kom. chetv. per. no. 29;183-188 '64.

BALKHASH LAKE REGION—PASTURES AND MEADOWS

Pasture digression in the sand deserts of the eastern Balkhash region G. G. Rusiaeva. Bot. zhur 49 no. 5 682-685 My '64

BALL BEARINGS

Profiling the ball-return channel for ball transmissions. V. G. Beliaev, G. A. Borisenko. Stan. i instr. 35 no. 6; 13-16 Je '64.

BALL BEARINGS—MEASUREMENT

New method for measuring the groove radius of ball bearing rings. D. I. Kolpakov, V. V. Matveev. Izm. tekh. no. 3;16-17 Mr '64.

BALLAST (RAILROADS)

Research on the strenght of ballast in underground mining. L. V. Trubetskov. Sbor. nauch. trud. KGRI no. 10; 260-264 '61.

BALLET see subdivision under Novosibirsk

BALLISTOCARDIOGRAPHY

Ballistocardiographic study of circulation in sportsmen in relation to their training capacity B V. Stepanchenko IU. I Luk'ianenko. Sbor nauch. rab. stud Volg gos. med. inst no 1:25-30 '60

Calibrated ballistocardiogram in mitral defects. K. P. Buteiko. Izv. Sib. otd. AN SSSR no. 8,120-121 '62.

Data of electrocardiographic and ballistocardiographic examinations of the inhabitants of medium-altitude and high-altitude regions of the Pamirs. B. IA. Grinshtein. Sov. zdrav. Kir no. 6 13-19 N-D '63.

BALLOONS, PILOT

Determining the thermodynamic stability of a boundary layer of the atmosphere on the basis of pilot balloon observation data. A. I. Buz. Meteor. i gidrol. no. 8; 25-30 Ag '64.

BALLROOM DANCING

[Contemporary dances] Sovremennye tantsy. Moskva, Sovetskaia Rossiia, 1964. 108 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 17)

BALTIC SHIELD—GEOLOGICAL TIME

Pre-Cambrian geochronology of the eastern part of the Baltic Shield based on lead-uranium-thorium dating. A. P. Vinogradov, A. I. Tugarinov. Trudy Lab. geol. dokem. no. 19,185-204 '64.

Preliminary Pre-Cambrian age scale of Hercynides for the Baltic Shield. A. A. Polkanov, E. K. Gerling. Trudy Lab. geol. dokem. no. 19;176-184 '64.

BALTIC SHIELD—GEOLOGY

Academician A. A. Polkanov and current problems of the Pre-Cambrian of the Baltic Shield. K. O. Krats. Trudy Lab. geol. dokem. no. 19;17-23 '64.

BALTIC STATES—POLITICS

Open letter to Mr Eisenhower G. Zimanas Nov vrem 21 no 29 29-30 Jl '64

BANACH SPACES

Chebyshev center of a set in a Banach space P. K. Belobrov Izv vys. ucheb. zav ; mat. no. 2;25-30 '64.

Conditions for the existence of a periodic solution to an iterative equation in Banach space. V. S. Kim. Mat. zap. Ural. mat ob-va UrGU 4 no 2;60-68 '63

Imbedding theorems for Banach spaces of measurable functions E. M. Semenov. Dokl. AN SSSR 156 no. 6; 1292-1295 Je '64.

Linear problem of control in a Banach space. Z. I. Khalilov. Dokl. AN Azerb. SSR 20 no. 5;3-6 '64.

Some properties of the stability of bases. B. E. Veits. Dokl. AN SSSR 158 no. 1:13-16 S-O '64.

Study of a class of nonlinear operative-integral equations in a Banach space. S. Ashirov. Izv. AN Turk. SSR. Ser. fiz. -tekh., khim. i geol. nauk no. 2;11-16 '63.

BAND SAWS

Measuring the stress in the blade of a band saw by the method of wire tensiometry. I. I. Trubnikov. Izv. vys. ucheb. zav., les. zhur. 6 no. 3;119-121 '63.

BANDAGES AND BANDAGING—STERILIZATION

Outlook for the reduction of the size of bandages Report No 2 L M. Smetana, V M Solon'ko. Farmatsev zhur 16 no. 1 59-63 '61.

BANKS AND BANKING

Gosudarstvennyi Bank, Moscow. [Banking business in the U. S. S. R.; a collection of lectures delivered at the 15th session of the International Summer School of Banking in Moscow, July 1962] Bankovskoe delo v SSSR, sbornik lektsii, prochitannykh na 15-i sessii Mezhdunarodnoi bankovskoi letnei shkoly v Moskve, iiul' 1962 g. Moskva, Gosfinizdat, 1962. 155 p.
[MICROFILM]

BAPTISTS

Shilintsev, N. M., and A. F. Volostnykh, comps. [We have severed relations with the Baptist sect forever] My navsegda porvali s sektoi baptistov. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1960. 42 p.
[MICROFILM]

BAR HEBRAEUS, 1226-1286

Bar Hebraeus and Azerbaijan. R. A. Guseinov. Dokl. AN Azerb. SSR 19 no. 3;81-85 '63.

BARABA STEPPE—ACTINOMYCES

Effect of Solonetz cultivation on the abundance and composition of actinomycetes. I. L. Klevenskaia. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;153-156 '62.

BARABA STEPPE—ALFALFA

Physiological and anatomical characteristics of alfalfa and sweet clover grown on Solonetz soils of Baraba. V. F. Izrail'son. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;167-177 '62.

BARABA STEPPE—AZOTOBACTER

Fermentation activity of Azotobacter cultures separated from Solonetz soils of Baraba. A. I. Sidorenko, N. N. Naplekova. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;157-162 '62.

BARABA STEPPE—BACTERIA, SULFUR

Sulfate-reducing bacteria in Solonetz soils of central Baraba and northern Kulunda T. E Dudareva Trudy Biol inst. Sib otd. AN SSSR no. 9;148-152 '62.

BARABA STEPPE—FIELD CROPS

Ecological characteristics and productivity of farm crops of Solonetz soils in Baraba G N Gorbaleva Trudy Biol Inst. Sib. otd. AN SSSR no. 9;178-180 '62.

BARABA STEPPE—GYPSUM

Change in the salt balance and metabolic cation composition of medium columnar Solonetz of Baraba depending on the methods of its cultivation and gypsum treatment T. N Riabova. Trudy Biol. inst Sib. otd. AN SSSR no. 9:80-87 '62.

BARABA STEPPE—PASTURES AND MEADOWS

Improvement of meadows and pastures on solonetzes and Solonetz soils of the Baraba lowland. T. A. Vagina Trudy Biol. inst. Sib. otd AN SSSR no. 9:273-278 '62.

BARABA STEPPE—SOIL MICRO-ORGANISMS

Microflora of virgin and reclaimed Solonetz soils of Baraba. A. I. Sidorenko. Trudy Biol inst Sib. otd. AN SSSR no. 9;127-147 '62.

BARABA STEPPE—SOLONETZ SOILS

Change in the water balance of mediumcolumnar Solonetz of Baraba during its reclamation. V. P Panfilov. Trudy Biol inst. Sib. otd. AN SSSR no 9;44-62 '62.

Conditions of the development and general characteristics of Solonetz soils in Baraba and northern Kulunda S. N. Sellakov Trudy Biol inst Sib otd. AN SSSR no. 9; 5-43 '62.

Effect of cultivation on the change in water-physical properties of Solonetz in Baraba. A. P. Trubetskaia Trudy Biol. inst Sib. otd. AN SSSR no. 9·63-79 '62.

Effect of Solonetz cultivation on the abundance and composition of actinomycetes. I. L. Klevenskaia. Trudy Biol. inst. Sib. otd AN SSSR no. 9 153-156 '62

Fermentation activity of Azotobacter cultures separated from Solonetz soils of Baraba. A. I. Sidorenko, N. N Naplekova Trudy Biol. inst. Sib. otd AN SSSR no 9;157-152 '62.

Microflora of virgin and reclaimed Solonetz soils of Baraba. A. I. Sidorenko. Trudy Biol inst. Sib. otd. AN SSSR no 9;127-147 '62.

Nutrient balance in Solonetz soils of Baraba under different methods of cultivation N. A. Murashov, V. I Volkovintser. Trudy Biol. inst. Sib. otd AN SSSR no 9;99-106 '62.

Physicochemical properties of the Solonetz soils in the Baraba P. G Kulebakin Nauch trudy SibVIM no 1 159-171 '63

Physicomechanical properties of Solonetz soils in Baraba. IA. M. Denisiuk. Trudy Biol. inst. Sib otd. AN SSSR no. 9;213-223 '62.

Salt balance in medium columnar and crustal Solonetz soils of Baraba during reclamation. T N. Riabova. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;88-98 '62.

Studying the performance of tillage machines and implements for the virgin Solonetz soils in the Baraba P. G Kulebakin. Nauch trudy SibVIM no.1.147-158 '63.

Suggestions for the reclamation of virgin Solonetz soils in Baraba and Kulunda. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;279-282 '62.

Translocation of the genetic horizons of Solonetz soils under cultivation. G. A. Davydov. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;190-199 '62.

Upland and crustal Solonetz soils in the districts of Baraba and methods for their reclamation. I. I. Gantimurov, L S. Pogodaeva. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;242-246 '62.

BARABA STEPPE—SWEET CLOVER

Physiological and anatomical characteristics of alfalfa and sweet clover grown on Solonetz soils of Baraba. V. F. Izrail'son. Trudy Biol. inst Sib otd. AN SSSR no. 9;167-177 '62.

BARABA STEPPE—TILLAGE

Economic evaluation of various methods for the cultivation of Solonetz soils in Baraba. L. F. Shkredova. Trudy Biol. inst. Sib. otd. AN SSSR no. 9;238-241 '62.

Results of the study of mechanical Solonetz cultivation in Baraba. P. G. Kulebakin. Trudy Biol inst. Sib. otd. AN SSSR no. 9;229-237 '62.

Translocation of the genetic horizons of Solonetz soils under cultivation. G. A. Davydov. Trudy Biol. inst Sib. otd. AN SSSR no. 9;190-199 '62.

BARABA STEPPE—TILLAGE—EQUIPMENT AND SUPPLIES

Studying the performance of tillage machines and implements for the virgin Solonetz soils in the Baraba. P. G. Kulebakin Nauch. trudy SibVIM no 1 147-158 '63.

BARANOVICHI REGION (BREST PROVINCE)—VETERINARY HYGIENE

Contribution of veterinary specialists to the development of animal husbandry. S. I. Pliashchenko Veterinariia 41 no 4.1-3 Ap '64

BARBITURATES

Effect of cypenam and pentaphene on the central nervous system. General effects and toxicity of both preparations. V. M. Avakian. Farm. i toks. 26 no. 5:543-551 S-O '63.

Interaction of barbiturates with bivalent mercury salts. Report No 1 L. I Rapaport Farmatsev zhur 16 no 1 21-26 '61

BARBITURIC ACID

Synthesis of some new barbituric and thiobrabituric acid acids. E. G. Mesropian, E. G. Kaltakhchian, M. T. Dangian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1·69-72 '63.

BARENTS SEA—ANIMAL INTRODUCTION

Acclimatization of the Kamchatka and blue crabs in the Barents Sea IU I Orlov Mat rybokhoz issl. Sev bas no 1 46-47 '63

BARENTS SEA—CRABS

Acclimatization of the Kamchatka and blue crabs in the Barents Sea. IU I. Orlov Mat rybokhoz issl. Sev bas no 1 46-47 '63

BARENTS SEA—HERRING FISHERIES

State of natural resources of herring fisheries with a drift net in the Barents Sea in 1900-1962 and prospects for 1963 B M Tambovtsev Mat rybokhoz issl Sev bas *no 1 31-32 '63.*

BARIUM

Structure of an adsorbed barium film on the face (110) of a tungsten single crystal. D. A. Gorodetskii, A. M. Kornev, IU. P. Mel'nik. Izv. AN SSSR. Ser. fiz. 28 no. 8:1337-1339 Ag '64.

BARIUM FLUORIDE—THERMAL PROPERTIES

Determination of the dissociation energy of metal halides based on a study of the equilibrium of reactions in flames Part I Dissociation energy of BaF L. V Gurvich, V G Riabova Teplofiz. vys temp 2 no. 3 401-405 My-Je '64

BARIUM NITRITE

Systems $RbNO_2$ - $Ba(NO_2)_2$ - H_2O and $CsNO_2$ - $Ba(NO_2)_2$ - H_2O at 25°C. P. I. Protsenko, T. A. Andreeva. Zhur. neorg. khim. 9 no. 6:1441-1445 Je '64.

BARIUM OXIDE

Vaporization of barium oxide from tungsten and molybdenum backings. A. R. Shul'man and others. Izv. AN SSSR. Ser. fiz 28 no. 8;1346-1353 Ag '64.

BARK

Winter condition of chloroplasts in the bark of trees and shrubs. E. I. Barskaia. Bot. zhur. 49 no. 7:947-956 Jl '64.

BARK BEETLES—EXTERMINATION

Mist spraying against elm bark beetles. A. D. Maslov. Khim. v sel'. khoz. 2 no. 4;33-34 Ap '64.

BARLEY

(see also subdivision under Krasnodar Territory; Stavropol Territory)

Effect of various amounts of copper on the dynamics of carbohydrates in barley. V. M. TSiarents'eu, M. D. Minchankava. Vestsi AN BSSR. Ser. biial. nav. no. 4: *26-32 '62.*

Methods for determining the germinative capacity of brewing barley. S. P. Stashko, V. E. Samoilova, G. F. Ipatova. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10;31-37 '63.

Micromalting as a means to evaluate the brewing capacity of barley. A. P. Zubenko, V. E. Samoilova. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10;38-51 '63.

Production of fermented dark brewing barley malt. A. G. Fedorov. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10;90-97 '63.

Studying the lodging resistance of barley varieties on peat soils. R. I. TSarova. Vestsi AN BSSR. Ser. biial. nav. no. 4:40-45 '62.

BARLEY—ANALYSIS AND CHEMISTRY

Biochemical composition of difficultly mashing barley. N. V. Leonovich, P. I. Bukovskii. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10:71-80 '63

BARNAUL—THEATER

Affirmation of humanity. Militsa Kon. Teatr 24 no. 12· 16-18 D '63.

BAROMETRIC HYPSOMETRY

Methods for increasing the efficiency of barometric leveling. M. M. Borisenko. Vest. LGU 19 no. 12;95-102 '64.

BARYONS

Masses and radii of baryon configurations. IU. L. Vartanian. Izv. AN Arm. SSR Ser. fiz.-mat. nauk 16 no. 6;137-145 '63.

BASAL METABOLISM

Effect of ginseng and Eleutherococcus on basal metabolism. I. V. Dardymov. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5;245-248 '63.

BASE-EXCHANGING COMPOUNDS

Catalytic polymerization of C_5 olefins in the presence of a sulfocation resin. N. G. Polianskii, E. F. TSekhmister. Neftekhimiia 4 no. 2:262-268 Mr-Ap '64.

BASEBALL see subdivision under United States

BASES (CHEMISTRY)

Determining organic bases content of the liquid products of the thermal processing of peat. A. M. Kunin, L. D. Unmut. Torf. prom. 41 no. 1:29-32 '64.

Diagram of an "unusual" coupling of complementary bases in DNA V. I. Danilov, IU A. KruglIak. Dokl. AN SSSR 157 no. 4 965 Ag '64.

BASHKIR LANGUAGE—STYLE

IUsupov, Kh. G. [Phraseology of the Bashkir language. Frazeologiia bashkirskogo iazyka. Ufa, Sterlitamakskii gos. pedagog. in-t, 1963] 96 p. [In Bashkir]
(MH)

BASHKIRIA—CONDENSATE OIL WELLS

Evaluation of the porosity of carbonate rocks of the gas-condensate fields of the Bashkirian Ural Mountain region. M. G. Belousova. Nauch.-tekh. sbor. po dob. nefti no. 17.3-5 '62.

BASHKIRIA—FORESTS AND FORESTRY—VALUATION

Structure with regard to the diameter of mixed uneven-aged spruce-fir stands in Bashkiria. I. I. Levitskii. Izv vys. ucheb zav.; les. zhur. 6 no. 3;19-21 '63.

BASHKIRIA—HORSEFLIES

Horseflies of the Ufa Upland and Mesyagutovo forest steppe in Bashkiria. E V. Kucherov. Zool. zhur. 43 no. 4.614-616 '64.

BASHKIRIA—OAK

Planting oak in clusters. O. A. Sakhautdinova Agrobiologiia no 1;155-157 Ja-F '64

BASHKIRIA—OIL WELL DRILLING

Bogdanov, N. Kh. [Drilling substances wells] Burenie glubokikh skvazhin. Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 74 p.

[MICROFILM]

BASHKIRIA—PETROLEUM GEOLOGY

Effect of fractures on the pore space of the producing horizons of a carbonate formation in the Paleozoic platform sector of Bashkiria A M Tiurikhin. Trudy *VNIGRI no 228:138-154 '64*

Prospects for finding oil in the Ufa region of Bashkiria. A. K. Dragunskii, U. G. Ishaev. Geol. nefti i gaza 8 *no. 8;48-54 Ag '64.*

BASHKIRIA—PETROLEUM PIPELINES—TECHNOLOGICAL INNOVATIONS

Innovations introduced in the Subkhangulovo Regional Petroleum-pipeline Administration. Ch. F. Biktashev. Transp. i khran. nefti i nefteprod. no. 7:23-28 '64.

BASHKIRIA—PETROLEUM PRODUCTION

Hydraulic sand-jet perforation in fields of the Oil Field Administration of the Aksakovo Petroleum Trust. G. I. Ivanov, N. Kh. Musin, Kh. M. Batyrov. Nefteprom. delo no. 5;30-34 '64.

BASHKIRIA—PETROLEUM PRODUCTION, THERMAL

Electric heating of the well-bottom zone in the Bashkirian fields. IA. A. Mustaev. Nefteprom. delo no. 4:21-23 '63.

BASHKIRIA—ROCKS, CARBONATE

Effect of fractures on the pore space of the producing horizons of a carbonate formation in the Paleozoic platform sector of Bashkiria A. M Tiurikhin. Trudy VNIGRI no 228;138-154 '64.

BASHKIRIA—ROCKS, CARBONATE—PERMEABILITY

Evaluation of the porosity of carbonate rocks of the gas-condensate fields of the Bashkirian Ural Mountain region. M. G. Belousova. Nauch.-tekh. sbor. po dob. nefti no. 17:3-5 '62.

BASHKIRIA—WINDBREAKS, SHELTERBELTS, ETC.

Planting oak in clusters. O. A. Sakhautdinova. Agrobiologiia no. 1;155-157 Ja-F '64.

BASKETBALL

Zel'dovich, T. A., and S. A. Keraminas. [Training young basketball players; a manual for children's sports schools and school physical education collectives] Podgotovka iunykh basketbolistov; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 215 p.

BATHS

Heat exchange in man in an aqueous medium. Report No. 1: Effect of water movement on heat exchange. G. B. Smolianskii. Vop. kur., fizioter. i lech. fiz. kul't no. 6;517-521 '63.

BATHS, MEDICATED

Effect of the chemical composition of water on the thermal action of water baths. Report No. 1: Effect of hot freshwater and carbon dioxide baths. G. A. Nevraev, V. T. Olefirenko. Vop. kur., fizioter. i lech fiz. kul't no. 6;503-509 '63.

BATHS, RUSSIAN

Luk'ianov, V. S. [Russian bath] Russkaia bania. Moskva, Meditsina, 1964. 34 p. (Nauchno-populiarnaia *meditsinskaia literatura)*
(DNLM)

BATHS, WARM

[illegible] of water on the [illegible] of warm baths. [illegible] G. A. [illegible] Vop. kur. fizioter. i lech. [illegible] '63

BATS see subdivision under Zakataly District

BAUDIN, ALEKSEI FEDOROVICH, 1899-1963

[illegible] Pavlovich; obituary. Torf prom. 41 no.3:47 '64

BAYAN-AUL DISTRICT—QUARTZITE

[illegible] of the secondary [illegible] Bayan-Aul District in central [illegible] Vses. min. ob-va [illegible]

BAZHANOV, VASILII MIKHAILOVICH, 1889-1937

[illegible] of a great worker for the soviet coal industry. Vasilii Mikhailovich Bazhanov. Ugol' 39 no.5:78-79 My '64

BEACH EROSION

[illegible] ating the rate of the [illegible] G. [illegible] Izv. Vses. geog. ob-va [illegible] '64

BEAMS AND GIRDERS

Dynamic action of a load and harmonic force moving with a constant speed on a hinged beam. A. P. Filippov. Izv. AN SSSR. Mekh. i mashinostr. no.4:120-125 Jl-Ag '64

Production of beton-ite concrete beams of bridge seats. G. B. Mu[illegible]stein. Transp. stroi. 13 no.10:33-37 O '63

BEANS see subdivision under Kostroma Province

BEANS—DRYING

Te[illegible] of drying forage bean seeds. P. N. Fedoseev. [illegible] no.1:120-130 '63

BEARING METALS—METALLURGY

[illegible] steel made with electric [illegible] for [illegible] cyclic strength. G. V. Karpenko, [illegible] IU. I. Babei. Dop. AN URSR [illegible] '64

BEARINGS (MACHINERY)

Advanced methods of the production of antifriction materials and sliding bearings. A. P. Semenov. Vest. mashinostr. 43 no.12:81-86 D '63.

Tipei, N., and others. [Sliding bearings, their design and lubrication] Podshipniki skol'zheniia, raschet, proektirovanie, smazka. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1964. 457 p.

BECKMANN REARRANGEMENT

Beckmann rearrangement in the heterocyclic series. Rearrangement of oximes of 3-quinuclidinone and 1-azabicyclo[3,2,1]-6-octanone. M. V. Rubtsov and others. Zhur. ob. khim. 34 no.7:2222-2226 Jl '64

BEEF—MICROBIOLOGY

Sources of Salmonella contamination of beef. I. S. Zagaevskii. Vop. pit. 23 no.1:77-80 Ja-F '64.

BEEF—PRESERVATION

Comparative characteristics of the assimilability of beef subjected to freezing, heat sterilization and irradiation. G. I. Bondarev, V. D. Odintsova. Vop. pit. 23 no.1:81-82 Ja-F '64.

BEEF CATTLE—FEEDING AND FEEDS see subdivision under Kingisepp region (Leningrad Province); Kostroma Province; Ukraine

BEER—MICROBIOLOGY

Some physiological characteristics of the individual specimen of the undesirable microflora of beer. N. V. Pokrovskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no.10:155-167 '63.

BEES

Effect of climatic conditions on the efficiency of different races of the honeybee Apis mellifera L. (Hymenoptera, Apidae). M. S. Ragim-zade. Ent. oboz. 42 no.4:770-777 '63

BEES—DISEASES AND PESTS

Poltev, V. I. [Diseases of bees] Bolezni pchel. 4., dop. i ispr. izd. Leningrad, Izd-vo "Kolos," 1964. 288 p. (DNAL)

BEETLES

Two new palaearctic species of the genus Chaetocnema of the group Ch. concinna March (Coleoptera, Chrysomelidae, Halticinae). A. A. Liubishchev. Ent. oboz. 42 no.4:858-863 '63

BEETLES—ANATOMY

Characteristics of the structure of the mouth parts in coleopterous larvae feeding on plants. B. R. Striganova. Zool. zhur. 43 no.4:560-571 '64.

BEETS, SUGAR see Sugar beets

BEIRUT—ARMENIAN LITERATURE—PERIODICALS

Prose in the "Ani" journal. M. A. Babloian. Izv. AN Arm. SSR Obshchestv. nauki no.2:21-38 F '64

BELAYA TSERKOV' DISTRICT—AGRICULTURAL ADMINISTRATION

The party committee of the production administration gathers strength. M. Podvalko. Komm. Ukr. 39 no.3:[illegible]-35 Mr '64

BEL'BEK VALLEY—GEOLOGY, STRATIGRAPHIC

New data on Cenomanian sediments in the Bel'bek Valley. A. M. Muhin, O. S. Lypnyk. Dop. AN URSR no.8:108-1101 '64

BELEV REGION (TULA PROVINCE)—ANTIQUITIES

Moustier site Zolotarikha near Belev (Tula Province). V. P. Liubin, I. I. Petrakov. Biul. Kom. chetv. per. no.29:171-174 '64.

BELEV REGION (TULA PROVINCE)—PALEONTOLOGY, STRATIGRAPHIC

Moustier site Zolotarikha near Belev (Tula Province). V. P. Liubin, I. I. Petrakov. Biul. Kom. chetv. per. no.29:171-174 '64.

BELGOROD—THEATER

Mad day or beginning of the season in Belgorod. Teatr 24 no.12:92-102 D '63

BELGOROD-DNESTROVSKIY REGION (ODESSA PROVINCE)—FARM PRODUCE—MARKETING

This is how the cooperators work. P. Mikhailov. Zakup. sel'khoz. prod. no.1:50-51 Ja '64

BELGOROD PROVINCE—AGRICULTURE—STUDY AND TEACHING

Let's be more daring in inculcating progress. M. P. Polovnev. Vech. sred. shkola 7 no.2:7-12 Mr-Ap '64.

Recommendations of the Ideological Committee of the Rural Province Commission of the Belgorod Province CPSU. Vech. sred. shkola 7 no.2:34-36 Mr-Ap '64.

BELOV, AFANASII

Three couplets about Afanasii Belov. N. Rumiantseva. Teatr 24 no.12:69-72 D '63

BELOVEZHSKAYA PUSHCHA—VIEWS

[Belovezhskaya Pushcha] Belavezhskaia pushcha. Minsk, Vyd-va "Belarus'," 1964. 1 v. (chiefly illus.) [In White Russian and English]

BELTS AND BELTING

"Locking" conveyor belts by splicing. P. T. Nageenko. Koks i khim. no.6:56-58 '64

BELYI, VIKTOR ARONOVICH, 1904

Our jubilarians. Kh. F. Akhmetov, V. A. Belyi. N. S. Shumskaia, Il'ia Frenkel. Sov. muz. 28 no.1:143-144 Ja '64

BENTHOS see subdivision under Daghestan

BENTONITE see subdivision under Caucasus

BENZALDEHYDE

Reformatskii reaction with bromomalonic ester. Part 3: Further study of the reaction of bromomalonic ester with benzaldehyde. N. S. Vul'fson, F. G. Zhurina, L. B. Senlavina. Zhur. ob. khim. 34 no.7:2344-2347 Jl '64.

BENZANTHRACENE—PHYSIOLOGICAL EFFECT

Cytogenetic examination of viral and dimethylbenzanthracene-induced leukemias in rats. B. S. Fichidzhian, E. E. Pogosiants, E. L. Prigozhina. Vop. onk. 10 no.3:34-41 '64.

Tumors of the skin in rats caused by 9,10-dimethyl-1,2-benzanthracene. V. S. Turusov. Arkh. pat. 26 no.2:44-50 '64.

BENZENE

Cryoscopic method for the determination of the purity of benzene. D. A. Aliev. Neftepер. i neftekhim. no.5:31-34 '63

Interaction between benzene and alkene halides. IU. G. Mamedaliev and others. Azerb. khim. zhur. no.5:3-12 '63.

Kinetics of the simultaneous oxidation of cumene and ethylbenzene. Part 2 [with summary in English]. V. F. TSepalov, V. IA. Shliapintokh, Chzhou Pei-khuan [Chou P'ei-huang]. Zhur. fiz. khim. 38 no.2:351-355 F '64.

Liquid - vapor equilibrium in the system benzene - cyclohexane - methylcyclopentane. M. P. Susarev, R. V. Lyzlova. Zhur. fiz. khim. 36 no.3:437-442 Mr '62.

Mesitylene from crude benzene. L. IA. Kollandr, M. I. Tiaptina. Koks i khim. no.6:46-51 '64.

Production of low-sulphur benzenes based on narrow benzene fractions. A. P. Kolesov, V. Z. Sokolov. Koks i khim. no.6:36-39 '64.

Second virial coefficient of vapors and their mixtures. Part 4. Sh. D. Zaalishvili, Z. S. Belousova. Zhur. fiz. khim. 38 no.2:503-505 F '64.

Stereochemistry of 2- and 6-alkyl-2-phenylcyclohexanes. A. N. Kost and others. Zhur. ob. khim. 34 no.7:2416-2421 Jl '64.

Tar from the pyrolysis of gaseous hydrocarbons as a product for obtaining biphenyl and benzene. R. G. Ismailov, D. A. Aliev, T. M. Ivanova. Azerb. neft. khoz. 43 no.5:33-36 My '64.

Terephthalic acid from paradiisopropylbenzene. A. D. Petrov, M. M. Movsumzade. Izv. vys. ucheb. zav.; neft' i gaz 6 no.7:63-65 '63.

Thermodynamics of the isomerization of certain dialkylbenzenes. E. P. Bablo, V. P. Marshtupa, L. N. Kolesnikov. Neftekhimiia 4 no.2:236-240 Mr-Ap '64.

BENZENE—SPECTRA

Spectra of positive benzene ions. V. A. Borschevskii, A. N. Terenin. Opt. i spektr. 17 no.2:301-306 Ag '64

BENZENE DERIVATIVES

Synthesis of substituted azo derivatives of benzene. Part 3. I. Kh. Fel'dman, Ch. S. Frankovskii. Zhur. ob. khim. 34 no.7:2407-2410 Jl '64.

BENZENEARSONIC ACID

Determination of the product of solubility of zirconium phenylarsonate. V. A. Malinovskii. Azerb. khim. zhur. no.5:113-116 '63.

Interaction of trivalent thallium with a monosodium salt of o-nitrophenol-4-arsonic acid. V. S. Kublanovskii, A. I. Pozigun. Nauch. ezheqod. Khim. fak. Od. un. [illegible] 54-58 '61

Photometric determination of zirconium in steel and cast iron using arsenazo III. S. B. Savvin, D. S. Kudanov, A. S. Riabova. Zhur. anal. khim. 19 no.5:561-563 '64.

BENZENEDISULFONIC ACID

Extraction-photometric determination of molybdenum with tiron. A. I. Busev, G. P. Rudzit. Zhur. anal. khim. 19 no.5:560-583 '64.

BENZENOANTHRACENE

Synthesis and transformations of dihydrodioxotribenzotriptycene. L. V. Antik and others. Izv. AN SSSR Ser. khim. no.7:1260-1267 Jl '64.

BENZIMIDAZOLE—PHYSIOLOGICAL EFFECT

Effect of caffeine, ginseng and dibazol on the work of proofreaders. E. E. Belen'kii. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no.5:105-110 '63.

Increasing the resistance of the nervous system of white mice to the inhibitive effect of sodium bromide by the administration of ginseng, dibazol and carline thistle. E. E. Belen'kii, V. E. Kolla. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no.5:119-122 '63

Resistance-forming effect of ginseng, dibazol and proserine. M. A. Rozin. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no.5:123-129 '63.

BENZIMIDAZOLE—THERAPEUTIC USE

Effect of dibazol and adaptation to cold and muscular work on animals with the Ehrlich tumor. V. IA. Rusin. Vop. onk. 9 no.6:60-66 '63.

BENZOFURANACRYLIC ACID

Comparative photosensitizing effects of khellin, meladinin and the extract of Psoralea drupacea. N. M. Kabizlov. Farm. i toks. 25 no.6:733-735 N-D '62.

BENZOIC ACID

Aromatic hydrocarbons. Part 30: p-Bromophenyltetrahydrophthalic anhydrides and p-bromobenzyltetrahydrobenzoic acids in the reaction with phosphorus pentoxide. V. R. Skvarchenko, V. A. Puchnova, R. IA. Levina. Zhur. ob. khim. 34 no.7:2210-2213 Jl '64.

Combination of copper with rhodanine-3-benzoic acid and its constant instability. I. I. Kurnyts'kyi. Farmatsev. zhur. 18 no.5:36-41 '63

Derivatives of p-alkoxybenzoic acids. Report No. 21: Some cyclohexylalkylaminoalkyl esters of p-butoxybenzoic acids. A. L. Mndzhoian and others. Izv. AN Arm. SSR, Khim. nauki 16 no.2:163-174 '63

Phosphorescence of benzoic acid. G. M. Kislink, G. M. Lysenko. Izv. vys. ucheb. zav.; fiz. no.4:13-16 '64.

BENZOIC ACID—PHYSIOLOGICAL EFFECT

Comparative characteristics of some amino esters of p-alkoxybenzoic acids and their sulfur-containing analogs. N. E. Akopian. Izv. AN Arm. SSR. Biol. nauki 17 no.2:47-54 F '64.

Effect of p-aminobenzoic acid on the synthesis and decomposition of cholesterol in the liver of healthy and atherosclerosed rabbits. A. F. Ryzhova. Biul. eksp. biol. i med. 55 [i.e. 56] no.10:41-44 O '63.

BENZOIC ACID, PARA-AMINO

Benzoic acid for calorimetric determinations. V. V. Uskov, B. N. Oleinik. Izm. tekh. no.3:31-33 Mr '64

BENZOPHENONE

Synthetic dyes. Part 30: Condensation of 1-aryl lepidinium salts with Michler ketone and auramine. G. T. Pilíugin, B. M. Gutsuliak, IA. O. Gorichok. Zhur. ob. khim. 34 no.7:2412-2416 Jl '64.

BENZOQUINONE

Interaction of 2-aryl-1,3-indandiones with p-benzoquinone. L. P. Zalukaev, V. V. Krivoshein, G. A. Kharina. Zhur. ob. khim. 34 no.7:2478-2479 Jl '64.

BENZOTHIADIAZOLE

Chloromethylation of 2,1,3-benzothiadiazole and its derivatives. V.G.Pesin, E.K.D'iachenko. Zhur.ob. khim. 34 no.7:2475 Jl '64.

BENZOTHIAZOLIUM COMPOUNDS

Mono-, tri-, and pentamethinecyanines from 2,3-polymethylenebenzothiazolium salts F.S.Babichev, E Shchetsinskaia. Zhur.ob khim. 34 no 7·2441-2449 Jl '64.

Styryl dyes, merocyanines, and thiocyanines from 2,3-polymethylenebenzothiazolium salts F.S.Babichev, N.V.Dzhigirei, S.P Gukalov Zhur.ob khim 34 no.7:2433-2440 Jl '64

BEPHENIUM

Mechanism of the action of bephenium hydroxynaphthoate (naphtamon, alcopar) on ascarids A I.Krotov, S N Fedorova. Farm.i toks. 26 no 2 233-238 Mr-Ap '63

BEREZINA PRESERVE—TAPEWORMS

Larval diphyllobothriasis of wild animals in the Berezina State Preserve. M.F.Karaseu. Vestsi AN BSSR.Ser. biial.nav. no.4:130-132 '62.

BERLIN, BATTLE OF, 1945

End of the Third Reich. V.I.Chuikov. Sov.voin 46 no.9:4-7 My '64

On the steps of the Reichstag Vasilii Subbotin. Sov. voin 46 no 9:8 My '64.

BERLIN, EAST—MUSIC

Kurt Zanderling in Berlin. E.Rebling. Sov.muz. 28 no.2·123-126 F '64.

BERLIN QUESTION (1945-)

Unsound legal concepts of an urgent international problem V.S.IAroslavtsev. Uch zap IMO no.16:49-75 '63

BERYLLIUM

Photometric determination of titanium in the presence of beryllium with 2,7-dichlorochromotropic acid. N.N.Basargin, T.N Kukisheva, N.V.Solov'eva. Zhur. anal.khim. 19 no.5.553-555 '64.

Vapor pressure of solid beryllium. G.P.Kovtun, A.A. Kruglykh, V.S. Pavlov. Izv.AN SSSR Met.i gor.delo no.2:177-179 Mr-Ap '64.

BERYLLIUM CRYSTALS—GROWTH

Growth of beryllium condensates. L.S.Palatnik, A I. Fedorenko. Fiz.met.i metalloved. 17 no 6 866-871 Je '64.

BERYLLIUM-MOLYBDENUM ALLOYS see Molybdenum-beryllium alloys

BERYLLIUM-NICKEL ALLOYS—HARDENING

Hardening of Be-Ni alloys. I.I.Papirov, G.F.Tikhinskii, V.A.Finkel'. Fiz.met.i metalloved 17 no.4:613-614 Ap '64.

BESSEL'S FUNCTIONS

Magnetic field inside a cylinder with a rotating exterior radial field. R.S.Kuznetskii Zhur.tekh.fiz. 34 no.5:809-811 My '64.

BESSEMER PROCESS

Sulfur oxidation in an oxygen-blown converter process. G.N.Oiks, K.Looze. Izv.vys.ucheb.zav.; chern.met. 7 no.7:58-62 '64.

BESSEMER PROCESS—BIBLIOGRAPHY see Bibliography—Bessemer process

BETA-RAY SPECTROMETER

Magnetic beta spectrometer with twofold focusing at an angle of 180°. I.F Uchevatkin. Trudy inst.Kom.stand., mer i izm prib no 69·95-107 '62

BETAZINE

Accelerated fattening of swine by the addition of betazin to their rations. P.S.Popekhina, G.M.Tarasevich, M.G.Osipov Trudy VIZH 25:194-200 '63.

Change in the nutritional processes of fattening swine under the effect of betazin. E.Z.Tkachev, Trudy VIZH 25:187-193 '63

BEYSUG LIMAN—FISH CULTURE

Conditions for the survival of young roaches (Rutilus rutilus heckeli) in the Beysug Liman and methods of improving the efficiency on the Beysug Fish Spawning and Rearing Farm. IU.I.Abaev, V.T.Bogucharskov Trudy AzNIIRKH no.6:119-125 '63.

BEYSUG LIMAN—ROACH (FISH)

Conditions for the survival of young roaches (Rutilus rutilus heckeli) in the Beysug Liman and methods of improving the efficiency on the Beysug Fish Spawning and Rearing Farm. IU.I.Abaev, V.T.Bogucharskov. Trudy AzNIIRKH no 6:119-125 '63.

BEYSUG RIVER—FISHES—FOOD

Feeding habits of young roach (Rutilus rutilus heckeli) in the Beysug spawning ground and liman. IU.I.Abaev, A.G.Krylova. Trudy AzNIIRKH no.6:127-131 '63.

BEYSUG RIVER—ROACH (FISH)

Feeding habits of young roach (Rutilus rutilus heckeli) in the Beysug spawning ground and liman IU I Abaev, A G.Krylova. Trudy AzNIIRKH no 6 127-131 '63

BEZOAR GOAT—FEEDING AND FEEDS see subdivision under Armenia

BIANTHRYL

Local activation effect in the low temperature pyrolysis of anthracene and bianthryl. A.A Berlin and others. Dokl AN SSSR 156 no.6:1371-1374 Je '64

BIBIEYBAT OIL FIELD—OIL FIELD BRINES

Underground waters of the Bibieybat oil field. M.M. Mustafaev and others. Azerb neft khoz. 42 no 6·4-6 Je '63.

BIBLIOGRAPHY

Annotations. Vop.ist.KPSS 8 no.8 134-140 Ag '64.

[Annual of Soviet books; classed index] Ezhegod.knigi SSSR; sist ukaz vol 1 '63, publ 1964.

[Book chronicle] Knizh let. nos 32-33, 35-37 '64. Vspomogatel'nye ukazateli k nos.14-26 za 1964 god.

[Information index of bibliographical lists and card files] Inform.ukaz.bibl.spis i kart. 8 nos 12,15-17 Je, Ag-S '64.

[New books; bibliographical weekly] Nov.knigi; ezhened. bibl.zhur nos.31-36 Jl-S '64.

New books. Dop.AN URSR no.9:1122-1123 '64

New books Kommunist 41 no 10·127-128 Jl '64

New books Nov.mir. 39 no.4·285-286 Ap '63.

New books. Nov mir. 39 no.12·279-280 D '63

New books. Nov mir 40 no.1;287-288 Ja '64

New books. Nov.mir 40 no.2;287-288 F '64.

New books Nov.mir 40 no 4·286-288 Ap '64

[New books of the U.S.S.R.] Nov.knigi SSSR nos.30-33, 35 Jl-Ag '64.

[New literature on science and research abroad] Nov. lit.o nauke i nauch.-issl.rab.za rub. no.5 '64

BIBLIOGRAPHY—ACADEMY OF SCIENCES OF THE U.S.S.R.

Akademiia nauk SSSR. [Bibliography of publications, yearbook] Bibliografiia izdanii, ezhegodnik. Leningrad.

Vol. 7. Beliavskaia, O. P., and others, comps. [Publications with 1962 imprints] Izdaniia, vyshedshie iz pechati v 1962 g. Pod red. S. P. Luppova, 1964. 900 p.

BIBLIOGRAPHY—ACCOUNTING

New books Bukhg uchet 20 no 12·67-68 D '63

BIBLIOGRAPHY—AEROSOLS

TSentral'naia nauchno-tekhnicheskaia biblioteka pishchevoi promyshlennosti. [Aerosol containers for the packaging of food products and cosmetics and perfumery articles; annotated bibliographic index of Soviet and foreign literature] Aerozol'naia upakovka pishchevykh produktov i parfiumerno-kosmeticheskikh izdelii; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1959-1962 gg. Moskva, 1963. 33 p.

[MICROFILM]

BIBLIOGRAPHY—AFRICA

Akademiia nauk SSSR. Institut Afriki. [Bibliography of Africa; pre-Revolution and Soviet literature in the Russian language, originals and translations] Bibliografiia Afriki; dorevoliutsionnaia i sovetskaia literatura na russkom iazyke, original'naia i perevodnaia. Moskva, Izd-vo "Nauka."

No. 1. 1964. 275 p.

BIBLIOGRAPHY—AGRICULTURAL MACHINERY

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mekhanizatsii sel'skogo khoziaistva. Laboratoriia obshchei teorii sel'khozmashin i novykh metodov ikh issledovaniia. Nauchno-tekhnicheskaia biblioteka. [Use of radioisotopes in the mechanization of agriculture; bibliographic list of Soviet and foreign literature published during 1956-1962] Primenenie radioaktivnykh izotopov v mekhanizatsii sel'skogo khoziaistva, bibliograficheskii spisok otechestvennoi i inostrannoi literatury za 1956-1962 g.g. Moskva, VIM, 1963. 30 p.

[MICROFILM]

BIBLIOGRAPHY—AGRICULTURE

Agriculture and forestry documentation in Czechoslovakia. Biul. TSentr.nauch.sel'khoz.bibliot. no 1·86-87 '59.

Books sent to the editor for comment. Agrobiologiia no.1:159 Ja-F '64.

[illegible]

[illegible] collections of the Central Agricultural Library. Biul. TSentr.nauch.sel'khoz.bibliot. no.1:24-38 '57.

Catalog of translations, abstracts, and reviews in the collections of the Central Agricultural Library Biul TSentr nauch sel'khoz.bibliot no 1·43-60 '59

From the pages of foreign biological and agricultural publications N F.Neiman, L I Sorkina-Finkel'. Agrobiologiia no 1·158-159 Ja-F '64

[Information bulletin of new foreign books, received by the Lenin Library Series 2] Inform.biul nov inostr. knig, postup.v Bibl im V I Len Ser 2 7 nos 18, 20-23 Je-Ag '64

Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Book to aid the agricultural specialist engaged in production; an index of literature for 1961] Knigu - v pomoshch' spetsialistu sel'skogo khoziaistva na proizvodstve, ukazatel' literatury za 1961 god. Moskva, Sel'khozizdat, 1962. 101 p.

(DNAL)

Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Intensification of agriculture in the U.S.S.R., general problems. A bibliographic index] Intensifikatsiia sel'skogo khoziaistva SSSR, obshchie voprosy. Ukazatel' literatury. Moskva, 1964. 23 p.

[New foreign books. Series V: Biology, medicine, agriculture] Nov.knigi za rub Ser V: Biol , med., sel' khoz 8 nos.7-8 Jl-Ag '64

Valuable additions to the library. Biul.TSentr.nauch. sel'khoz.bibliot. no.1:8-10 '57.

Weekly notices of new acquisitions of foreign agricultural literature T I Gubina Biul TSentr nauch sel'khoz bibliot no 1 36-39 '59

BIBLIOGRAPHY—AIRPLANES

New books Grazhd av. 21 no 6·14 Je '64.

BIBLIOGRAPHY—ANATOMY

Bookshelf. B.A Nikitiuk Arkh.anat., gist i embr 45 no.12:86-87 D '63.

BIBLIOGRAPHY—ANATOMY, HUMAN

Bookshelf. B.A.Nikitiuk. Arkh.anat.,gist.i embr. 43 no.8:p.2 of cover Ag '62.

BIBLIOGRAPHY—ARAGON, LOUIS, 1897-

Kozlova, N. [Works of Louis Aragon] Tvorchestvo Lui Aragona. Moskva, Mosk. gos. bibliotechnyi in-t, 1963. 66 p.

BIBLIOGRAPHY—ARCHAEOLOGY

[New Soviet literature on history, archaeology, and ethnography] Nov.sov.lit.po ist., arkheol.i etn. no 5 '64.

BIBLIOGRAPHY—ARMENIA—ONCOLOGY

List of scientific works by collaborators of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S.S.R. and the department of roentgenoradiology of the Erivan Medical Institute published in 1962. Vop.rent.i onk 7:371-374 '63

BIBLIOGRAPHY—ARMENIA—RADIOLOGY, MEDICAL

List of scientific works by collaborators of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian S.S.R. and the department of roentgenoradiology of the Erivan Medical Institute published in 1962. Vop.rent.i onk. 7·371-374 '63.

BIBLIOGRAPHY—ART AND INDUSTRY

Union of technology and aesthetics. I.Alekseakhina, S Soloveichik Bibliotekar' no.8:51-53 Ag '64.

BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of religion and atheism] Nov.sov.i inostr.lit.po vop.rel. i ateiz. nos.4-5 '64.

BIBLIOGRAPHY—ATOMIC ENERGY

New books. Atom.energ. 17 no.2·157-159 Ag '64.

BIBLIOGRAPHY—AUTOMATION

From foreign periodicals, June 1963. Mekh.i avtom. proizv. 18 no.1:61-62 Ja '64.

New books. Mekh.i avtom.proizv. 18 no.1:56-57 Ja '64.

Review of Soviet periodicals, November 1963. Mekh.i avtom.proizv. 18 no.1:58-60 Ja '64.

BIBLIOGRAPHY—BESSEMER PROCESS

Moscow. TSentral'naia nauchno-tekhnicheskaia biblioteka chernoi metallurgii. [Use of oxygen in the converter process, a bibliography] Primenenie kisloroda v konverternom proizvodstve; bibliograficheskii ukazatel'. [By] R.V. Pshekhotskaia. Pod red. S.G. Afanas'eva. Moskva, 1962. 129 p.

[MICROFILM]

BIBLIOGRAPHY—BIOGRAPHY

[Catalog 1933-1963] Katalog 1933-1963. [Moskva] Molodaia gvardiia, 1963. 181 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no.20(375).

BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform.biul.nov.inostr. knig, postup.v Bibl.im.V I.Len.Ser.2 7 nos.18, 20-23 Je-Ag '64.

BIBLIOGRAPHY—BIOLOGY (Continued)

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V Biol., med., sel'. khoz 8 nos. 7-8 Jl-Ag '64.

BIBLIOGRAPHY—BUILDING

Literature for construction workers. Inform biul VDNKH no. 8.46-47 Ag '63

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 6 '64.

BIBLIOGRAPHY—CAPITAL INVESTMENTS

Literature on the economic efficiency of capital investments and new equipment for 1961 - 1962. Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekh AN SSSR no. 4 133-137 '63.

BIBLIOGRAPHY—CARDIOLOGY

Index of articles published in the journal "Kardiologiia" during 1962. Kardiologiia 2 no. 6:90-93 N-D '62.

BIBLIOGRAPHY—CARTOGRAPHY

Foreign geodetic literature. Izv. vys. ucheb. zav ; geod i aerof. no 5:142-152 '63

Scientific and technological information in the fields of geodesy and cartography V G. Boldov, V. P. Selifanov. Izv. vys ucheb. zav ; geod. i aerof. no. 5:137-141 '63.

BIBLIOGRAPHY—CAUCASUS, NORTHERN—ECONOMIC CONDITIONS

Rostov-on-Don. [Economy of the Northern Caucasus in the third year of the seven-year plan; a recommended list of literature] Narodnoe khoziaistvo Severnogo Kavkaza, 3-i god semiletki; rekomendatel'nyi ukazatel' literatury. Rostov-na-Donu, 1962. 60 p.
[MICROFILM]

BIBLIOGRAPHY—CHEMISTRY

[Chemistry; classed index of articles in foreign periodicals] Khim.; sist uk. st. v inostr. zhur. nos. 6-7 Jl-Ag '64.

Terent'ev, A. P., and L. A. IAnovskaia. [Chemical literature and its use] Khimicheskaia literatura i pol'zovanie eiu. Moskva, Khimiia, 1964. 318 p.

BIBLIOGRAPHY—COAL MINES AND MINING

Man'kovskii, G. I., and N. N. Ershov, eds. [Special mining methods; bibliographical index of Soviet and foreign books and periodicals published during 1950-1961] Spetsial'nye sposoby prokhodki gornykh vyrabotok; bibliograficheskii ukazatel' knizhnoi i zhurnal'noi otechestvennoi i inostrannoi literatury za 1950-1961 gg. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 255 p.
[MICROFILM]

New periodicals. Ugol' 39 no. 5:79-80 My '64.

BIBLIOGRAPHY—COMMUNIST EDUCATION

Moscow. Publichnaia biblioteka. [For a strong attack on the ideological front; bibliography of recommended reading] Za aktivnoe nastuplenie na ideologicheskom fronte; rekomendatel'nye spiski literatury. Moskva, Izd-vo "Kniga," 1964. 52 p. (V pomoshch' chitateliu, no. 4)

BIBLIOGRAPHY—COMMUNIST PARTIES

Annotations. Vop. ist. KPSS 8 no. 9:140-142 S '64.

Documents and articles on the history of the CPSU and the international communist and labor movement published in journals, studies, collections, and transactions in June, 1964. Vop. ist KPSS 8 no. 8:141-148 Ag '64.

Documents and articles on the history of the CPSU and the international communist and labor movement published in journals, studies, collections, and transactions in July, 1964. Vop. ist. KPSS 8 no. 9: 145-150 S '64.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Russia (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Sample list of literature for the minimum requirements for the candidate degree in the history of the CPSU] Primernyi spisok literatury kandidatskogo minimuma po istorii KPSS. Moskva, Izd-vo "Mysl'," 1964. 22 p.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

In the latest periodicals. Transp. stroi. 13 no. 10:80 O '63.

New literature on construction. A E. Vicherevin. Transp. stroi. 14 no. 1:59-60 Ja '64.

Through the pages of foreign journals. Mekh. stroi. 20 no. 7:31 Jl '63.

Through the pages of Soviet periodicals. Mekh. stroi. 20 no. 7:29-30 Jl '63.

BIBLIOGRAPHY—CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 6 '64.

BIBLIOGRAPHY—CZECHOSLOVAKIA—CAPITAL INVESTMENTS

Works on the economic efficiency of capital investments, capital assets and new equipment published in the Czechoslovak Socialist Republic in 1960 - 1962. Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekh. AN SSSR no. 4:138-140 '63.

BIBLIOGRAPHY—DERMATOLOGY

Bibliographic index of dermatology and venereology for forty years of Soviet power in Azerbaijan; 1920-1960. I. M. Ismail-zade Azerb. med. zhur. no 6.48-52 Je '62.

Gitman, S. M., and N. A. Zhukov. [Bibliographical index of Soviet dermatology and venereology for 1951-1958] Bibliograficheskii ukazatel' sovetskoi dermatologii i venerologii za 1951-1958 gg. Moskva, Meditsina.
Vol. 4. Book 1. 1964 863 p.

BIBLIOGRAPHY—DISSERTATIONS, ACADEMIC

[Catalog of dissertations for the degree of Candidate, received by the V. I Lenin Library...] Kat. kand. diss posutp v Bibl. im V I Len. .. 3 quarter of 1963 '64

List of dissertations submitted for the defense of the candidate of history degree in 1961 Vop. ist 39 no 7 162-165 Jl '64

BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv naukam; ekon., filos., ist., mezhdunar. otn. 7 no 8 Ag '64.

[New Soviet economic literature] Nov. sov. ekon. lit. no. 6 '64.

BIBLIOGRAPHY—ECONOMICS, MATHEMATICAL

New books on statistics and accounting. G. Aliutin. Vest stat no. 7:77-78 '64.

BIBLIOGRAPHY—EDUCATION

Bookshelf. Nar obr. no 8:118 Ag '64.

BIBLIOGRAPHY—EDUCATION, COOPERATIVE

Moscow. Gosudarstvennaia biblioteka po narodnomu obrazovaniiu. [Connection between instruction and the socially useful productive work of students; a bibliographic index] Sviaz' obucheniia s obshchestvenno poleznym proizvoditel'nym trudom uchashchikhsia; bibliograficheskii ukazatel'. Sost. N. A Rut. Pod red. N. E. TSeitlina. Moskva, Izd-vo APN RSFSR, 1963. 283 p.

BIBLIOGRAPHY—ELECTRICITY IN AGRICULTURE

Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Electrification and automation of agriculture; a bibliographic list] Electrifikatsiia i avtomatizatsiia sel'skogo khoziaistva; bibliograficheskii spisok. Moskva, 1964. 20 p.

BIBLIOGRAPHY—ETHNOLOGY

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 5 '64

BIBLIOGRAPHY—EUROPE, EASTERN

[New literature on the general problems of the European socialist countries] Nov. lit. po obshch. probl. evrop. sots. stran nos. 2-5 '64.

BIBLIOGRAPHY—EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

Akademiia nauk SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [Development of the world socialist economic system and the economic cooperation of the European socialist countries participating in Comecon; a bibliography. Books and articles, 1957-1962] Razvitie mirovoi sotsialisticheskoi sistemy khoziaistva i ekonomicheskoe sotrudnichestvo evropeiskikh sotsialisticheskikh stran-uchastnits SEV; bibliografiia. (Knigi i stat'i 1957-1962 gg.) Moskva, Akad. nauk SSSR. FBON im. V. P. Volgina, 1964. 167 p.

BIBLIOGRAPHY—FARM MECHANIZATION

Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Electrification and automation of agriculture; a bibliographic list] Electrifikatsiia i avtomatizatsiia sel'skogo khoziaistva; bibliograficheskii spisok. Moskva, 1964. 20 p.

BIBLIOGRAPHY—FERTILIZERS AND MANURES

Moscow. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Use of mineral fertilizers in irrigation farming; a bibliographic list] Primenenie mineral'nykh udobrenii pri oroshenii; bibliograficheskii spisok. Moskva, 1964. 10 p.

BIBLIOGRAPHY—FINANCE

New books. Fin. SSSR 38 no. 6:93-94 Je '64.

BIBLIOGRAPHY—FINNO-UGRIAN LANGUAGES

Eesti NSV Teaduste Akadeemia. Keele ja Kirjanduse Instituut. [Finno-Ugrian and Samoyedic philology in the Soviet Union in 1962; bibliography] Soome-ugri ja samojeedi keeleteadus Noukogude Liidus 1962, bibliograafia. Tallinn, 1963. 202 p. [In Estonian and Russian]

BIBLIOGRAPHY—FOOD—DRYING

TSentral'naia nauchno-tekhnicheskaia biblioteka pishchevoi promyshlennosti. [Modern methods for the drying of food products; annotated bibliographic index of Soviet and foreign literature for the period from 1958 to 1962] Sovremennye metody sushki pishchevykh produktov; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1958-1962 gg. Moskva, 1962. 82 p.

[MICROFILM]

BIBLIOGRAPHY—FOOD—TRANSPORTATION

TSentral'naia nauchno-tekhnicheskaia biblioteka pishchevoi promyshlennosti. [Pneumatic and aerosol transportation in the food industry; bibliographic index of Soviet and foreign literature for the period from 1958 to 1962] Pnevmaticheskii i aerozol'nyi transport v pishchevoi promyshlennosti, annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1958-1962 gg Moskva, 1963. 23 p.
[MICROFILM]

BIBLIOGRAPHY—GAS, NATURAL

Bibliography. Gaz prom. 8 no. 2:55-56 '63

BIBLIOGRAPHY—GEODESY

Foreign geodetic literature. Izv vys ucheb zav.; geod i aerof no 5:142-152 '63

Scientific and technological information in the fields of geodesy and cartography. V G Boldov, V P Selifanov Izv vys ucheb. zav ; geod. i aerof. no 5:137-141 '63

BIBLIOGRAPHY—GLIERE, REINHOLD MORITSEVICH, 1875-1956

IAgolim, V., comp. [R. M. Gliere; a catalog of his musical compositions] R. M. Glier; notograficheskii spravochnik. Moskva, Muzyka, 1964. 111 p.

BIBLIOGRAPHY—HISTORY

New books. Vop. ist 39 no 7:153-155 Jl '64.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon , filos., ist , mezhdunar otn 7 no. 8 Ag '64

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 5 '64

BIBLIOGRAPHY—HYDROLOGY

Literature on meteorology and hydrology for 1963. Meteor i gidrol. no 7 53-56 Jl '64

Literature on meteorology and hydrology in 1963 Meteor. i gidrol no 6 57-60 Je '64

Literature on meteorology and hydrology, 1963. Meteor. i gidrol. no. 8:51-54 Ag '64.

BIBLIOGRAPHY—INDUSTRIAL MANAGEMENT

"The foreman's library." P. Kondiukova. Sov. profsoiuzy 20 no 16 34-35 Ag '64

Leningrad. Publichnaia biblioteka. [Economics for engineers, a recommended list of literature] Ekonomika dlia inzhenerov; rekomendatel'nyi ukazatel' literatury. Leningrad, 1964. 102 p.

BIBLIOGRAPHY—INDUSTRIES

Leningrad. Publichnaia biblioteka. [Economics for engineers, a recommended list of literature] Ekonomika dlia inzhenerov, rekomendatel'nyi ukazatel' literatury. Leningrad, 1964. 102 p.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn 7 no. 8 Ag '64.

BIBLIOGRAPHY—IRRIGATION FARMING

N· [illegible] skii spisok. Moskva, 1964. 10 p.

BIBLIOGRAPHY—KIRGHIZISTAN

Amitin-Shapiro, Z. L. [Bibliography of Kirghizistan in four volumes] Bibliografiia Kirgizii v chetyrekh tomakh. Frunze, Gos. respubl. biblioteka Kirgizskoi SSR im. N. G. Chernyshevskogo.
Vol. 1. [Literature on Kirghizistan (1918-1924); annotated index] Literatura o Kirgizii (1918-1924); annotirovannyi ukazatel'. 1963. 317 p.

BIBLIOGRAPHY—LASERS

Akademiia nauk SSSR. Sektor seti spetsial'nykh bibliotek. [Optical masers (lasers); bibliographic index of Soviet and foreign literature for the period 1958 to June 1963] Kvantovye opticheskie generatory (lazery), bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury s 1958 po iiun' 1963 g. Moskva, Izd-vo "Nauka," 1964. 175 p.

BIBLIOGRAPHY—LAW

New legal literature in the U.S.S.R. (March-April 1964). Sov. gos. i pravo 34 no. 7:170-174 Jl '64.

BIBLIOGRAPHY—LIBRARY SCIENCE

New books. Bibliotekar' no. 8:63-64 Ag '64.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 7 nos. 23-24 Ag '64.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr.lit.po lit. no.6 '64.

BIBLIOGRAPHY—MACHINE ACCOUNTING

New books on statistics and accounting. G. Aliutin Vest stat. no 7;77-78 '64

BIBLIOGRAPHY—MACHINERY INDUSTRY

New books Vest. mashinostr. 43 no.12;87-88 D '63.

BIBLIOGRAPHY—MECHANICAL ENGINEERING

Bibliographical lists and card indexes. Vest mashinostr 44 no 6.93-94 Je '64

Review of foreign periodicals. Vest. mashinostr 44 no 6 92-93 Je '64

BIBLIOGRAPHY—MEDICINE

Annotations on dissertations. T.V.Vasil'ev. Vest.derm. i ven. 38 no.1;84-93 Ja '64.

[Information bulletin of new foreign books, received by the Lenin Library, Series 2] Inform.biul.nov inostr. knig. postup.v Bibl. im. V.I.Len.Ser 2 7 nos.18, 20 23 Je-Ag '64.

Mezhdunarodnaia kniga. [Soviet books on medicine] Sovetskie knigi po meditsine. Moskva [1962] 189 p (Katalog dlia zalavok No.2)

[New foreign books, Series V: Biology, medicine, agriculture] Nov.knigi za rub.Ser.V Biol., med., sel'. khoz. 8 nos 7-8 Jl-Ag '64.

BIBLIOGRAPHY—METAL CUTTING

Books, periodicals. Stan.i instr 35 no.6:44-45 Je '64

BIBLIOGRAPHY—METALS, RARE AND MINOR

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Powder metallurgy of rare metals; books, journal and patent literature in Russian and *foreign languages for 1958 to 1961 (first 6 months)*] Poroshkovaia metallurgiia redkikh metallov; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykh za 1958-1961 gg. (I-e polugodie). Moskva, 1962. 33 p. (Tverdye splavy i poroshkovaia *metallurgiia)*

[MICROFILM]

BIBLIOGRAPHY—METEOROLOGY

Literature on meteorology and hydrology for 1963. Meteor.i gidrol no.7:53-56 Jl '64.

Literature on meteorology and hydrology in 1963 Meteor i gidrol no 6 57-60 Je '64

Literature on meteorology and hydrology, 1963. Meteor. i gidrol. no.8:51-54 Ag '64.

BIBLIOGRAPHY—MINING ENGINEERING

New periodicals. Ugol' 39 no.5:79-80 My '64.

BIBLIOGRAPHY—MOTOR VEHICLES

Books for automobile drivers Tekh.i vooruzh. no 3: 94 95 Mr '64.

BIBLIOGRAPHY—MUTUAL ECONOMIC ASSISTANCE COUNCIL

Akademiia nauk SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [Development of the world socialist economic system and the economic cooperation of the European socialist countries participating in Comecon; a bibliography. Books and articles, 1957-1962] Razvitie mirovoi sotsialisticheskoi sistemy khoziaistva i ekonomicheskoe sotrudnichestvo evropeiskikh sotsialisticheskikh stran-uchastnits SEV, bibliografiia. (Knigi i stat'i 1957-1962 gg.) Moskva, Akad. nauk SSSR. FBON im. V.P. Volgina, 1964. 167 p.

BIBLIOGRAPHY—NERVOUS SYSTEM—DISEASES

Nevskii, V.A., and D.D. Fedotov. [Russian neuropathology and psychiatry of the 18th and the first half of the 19th century (1700-1860); a bibligraphical index] Otechestvennaia nevropatologiia i psikhatriia XVII i pervoi poloviny XIX veka (1700-1860 gg.); bibliograficheskii ukazatel'. Moskva, Vseros. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1964. 256 p.

BIBLIOGRAPHY—ORE DRESSING

TSentral'n[illegible] tsvetnoi [illegible] ore dres[illegible] Russian [illegible] graphic list no. 708/61] Primenenie radioaktivnykh izotopov v obogashchenii; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykakh za 1955-1961 gg. Bibliograficheskii spisok No. 708/61. Moskva, 1962. 30 p. (Obogashchenie)

[MICROFILM]

BIBLIOGRAPHY—OXYGEN—INDUSTRIAL APPLICATIONS

Mos[illegible] TS[illegible] ch[illegible] pr[illegible] ve[illegible] [By] R. V. Pshekhotskaia. Pod red. S. G. Afanas'eva. Moskva, 1962. 129 p.

[MICROFILM]

BIBLIOGRAPHY—PACKAGING

TSentral'naia nauchno-tekhnicheskaia biblioteka pishchevoi promyshlennosti. [Aerosol containers for the packaging of food products and cosmetics and perfumery articles; annotated bibliographic index of Soviet and foreign literature] Aerozol'naia upakovka pishchevykh produktov i parfiumerno-kosmeticheskikh izdelii, annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1959-1962 gg. Moskva, 1963. 33 p.

[MICROFILM]

BIBLIOGRAPHY—PARASITOLOGY

Soviet literature on problems of medical parasitology and parasitic diseases published in 1963 N.N.Dukhanina. Med.paraz.i paraz.bol. 32 no.4:495-503 Jl-Ag '63.

BIBLIOGRAPHY—PETROLEUM PRODUCTION

Annotated bibliography of works of the All-Union Instrument Scientific Research Institute. Trudy VNII no.40: 289-299 '63.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub po obshchestv naukam; ekon., filos, ist., mezhdunar.otn. 7 no.8 Ag '64.

[New foreign literature on philosophy] Nov. inostr. lit.po filos. no.6 '64.

New literature. Vop filos. 18 no.6:180-183 '64.

BIBLIOGRAPHY—PHYSICS

Bibliography Teplofiz vys temp 2 no.3:490-491 My-Je '64

BIBLIOGRAPHY—PHYSIOLOGY

Moskovskoe obshchestvo ispytatelei prirody. Kutaisskoe otdelenie. [Bibliography of research papers of the physiological laboratory of the Kutais State Pedagogical Institute for the last 25 years (1933-1958)] Bibliografiia nauchno-issledovatel'skikh rabot fiziologicheskoi laboratorii Kutaisskogo gosudarstvennogo pedagogicheskogo instituta im. A. TSulukidze za 25 let (1933-1958 gg.) Kutaisk, 1958. 28 p.

[MICROFILM]

BIBLIOGRAPHY—PIONEERS (COMMUNIST YOUTH)

For teachers on the work of Pioneers. V. Sentemov. Nar obr no.8:121-122 Ag '64

BIBLIOGRAPHY—PLASTICS

New literature on polymeric materials. Plast.massy no.2:78 '64.

BIBLIOGRAPHY—POWDER METALLURGY

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Powder metallurgy of rare metals; books, journal and patent literature in Russian and foreign languages for 1958 to 1961 (first 6 months)] Poroshkovaia metallurgiia redkikh metallov; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykakh za 1958-1961 gg. (I-e polugodie). Moskva, 1962. 33 p. (Tverdye splavy i poroshkovaia metallurgiia)

[MICROFILM]

BIBLIOGRAPHY—PRODUCTS

TSentral'naia nauchno-tekhnicheskaia biblioteka legkoi promyshlennosti. [Use of materials made from plastics and synthetic resins in the shoe industry; index of Soviet and foreign literature received by the Central Scientific and Technical Library of Light Industry from 1956 to 1962] Primenenie materialov iz plasticheskikh mass i sinteticheskikh smol v obuvnoi promyshlennosti; spisok otechestvennoi i inostrannoi literatury, postupivshei v biblioteku s 1956 po iiun' 1962 gg. Moskva, 1962. 112 p. (V pomoshch' inzhenerno-tekhnicheskim i nauchnym rabotnikam)

[MICROFILM]

BIBLIOGRAPHY—PSYCHIATRY

Nevskii, V.A., and D.D. Fedotov. [Russian neuropathology and psychiatry of the 18th and the first half of the 19th century (1700-1860); a bibligraphical index] Otechestvennaia nevropatologiia i psikhatriia XVII i pervoi poloviny XIX veka (1700-1860 gg.); bibliograficheskii ukazatel'. Moskva, Vseros. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1964. 256 p.

BIBLIOGRAPHY—RADIOISOTOPES

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mekhanizatsii sel'skogo khoziaistva. Laboratoriia [illegible] mechanization of agriculture [illegible] and foreign literature [illegible] literatury za 195[illegible] Moskva [illegible] 36 p.

[MICROFILM]

BIBLIOGRAPHY—RADIOISOTOPES—INDUSTRIAL APPLICATION

TSentral'naia nauchno-tekhnicheskaia biblioteka tsvetnoi metallurgii. [Using radioactive isotopes in ore dressing; book, periodical, and patent literature in Russian and foreign languages for 1955-1961. Bibliographic list no. 708/61] Primenenie radioaktivnykh izotopov v obogashchenii; knizhnaia, zhurnal'naia i patentnaia literatura na russkom i inostrannykh iazykakh za 1955-1961 gg. Bibliograficheskii spisok No. 708/61. Moskva, 1962. 30 p. (Obogashchenie)

[MICROFILM]

BIBLIOGRAPHY—RAILROADS

New books. Vest.TSNII MPS 23 no.4;3 of cover '64.

BIBLIOGRAPHY—RELIGION

[New Soviet and foreign literature on the problems of religion and atheism] Nov.sov.i inostr.lit.po vop.rel i ateiz nos.4-5 '64.

BIBLIOGRAPHY—ROLLING MILLS

Moscow. TSentral'naia nauchno-tekhnicheskaia biblioteka chernoi metallurgii. [Continuous mills of hot and cold rolling; a bibliography] Nepreryvnye stany goriachei i kholodnoi prokatki; bibliograficheskii ukazatel'. Moskva, TsNTBChM, 1963. 114 p.

BIBLIOGRAPHY—RUSSIA—HISTORY

Brief notes. Vop.arkh 8 no.3;118-119 Jl-S '63.

BIBLIOGRAPHY—RUSSIA—NAVY

IU.M Shokal'skii and naval bibliography E. Volkov Voen.-ist. zhur 5 no 4:114-116 Ap '63

BIBLIOGRAPHY—RUSSIAN LITERATURE

Brief book reviews. Oktiabr' 40 no.4:221-224 Ap '64.

New bibliography. N. Matsuev. Nov mir 40 no 1:258-260 Ja '64.

BIBLIOGRAPHY—RUSSIAN STUDIES

Brief review of published material in the field of Soviet studies. R.Z. Mat.i soob.Issl.otd.Inst.po izuch.SSSR no.51/52;112-119 N-D '63.

BIBLIOGRAPHY—SAMOYEDIC LANGUAGE

Eesti NSV Teaduste Akadeemia. Keele ja Kirjanduse Instituut. [Finno-Ugrian and Samoyedic philology in the Soviet Union in 1962; bibliography] Soome-ugri ja samojeedi keeleteadus Noukogude Liidus 1962; bibliograafia. Tallinn, 1963. 202 p. [In Estonian and Russian]

BIBLIOGRAPHY—SANITARY ENGINEERING

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie sanitarno-tekhnicheskikh i montazhnykh rabot. Proektno-konstruktorskaia kontora. [Bibliography of translations of articles from foreign magazines on problems of sanitary engineering during the second half of 1959, 1960, and 1961] Perechen' perevodov statei iz zarubezhnykh zhurnalov po voprosam sanitarnoi tekhniki za vtoruiu polovinu 1959 goda, 1960 i 1961 gody. [Moskva] TSentr.biuro tekhn.informatsii, 1962. 30 p.

[MICROFILM]

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library, Series1] Inform biul. nov.inostr. knig, postup.v Bibl.im.V.I.Len. Ser.1 9 nos.20-24 Jl-Ag '64.

[New foreign books. Series A: *Mathematics, mechanics*, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov.knigi za rub.Ser.A 17 no.8 Ag '64.

BIBLIOGRAPHY—SHOE INDUSTRY—EQUIPMENT *AND SUPPLIES*

TSentral'naia nauchno-tekhnicheskaia biblioteka legkoi promyshlennosti. [Use of materials made from plastics and synthetic resins in the shoe industry; index of Soviet and foreign literature received by the Central Scientific and Technical Library of Light Industry from 1956 to 1962] Primenenie materialov iz plasticheskikh mass i sinteticheskikh smol v obuvnoi promyshlennosti; spisok otechestvennoi i inostrannoi literatury, postupivshei v biblioteku s 1956 po iiun' 1962 gg. Moskva, 1962. 112 p. (V pomoshch' inzhenerno-tekhnicheskim i nauchnym rabotnikam)

[MICROFILM]

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform.biul.nov.inostr.knig. postup.v Bibl.im. V.I.Len.Ser.3; Obshchestv.nauki,khud.lit., isk. 7 nos.23-24 Ag '64.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no.7;128-134 Jl '64.

BIBLIOGRAPHY—SOVIET CENTRAL ASIA—MALARIA

Moscow. Gosudarstvennaia nauchnaia meditsinskaia biblioteka. [Malaria in Central Asia; bibliographic index of literature, 1878-1961] Maliariia v Srednei Azii; bibliograficheskii ukazatel' literatury (1878-1961 gg.). Sost. K.K. Shabanova, L.P. Shubenko i K.G. Shishova. Tashkent, Med. gos. izd-vo M-va zdravookhraneniia UzSSR, 1963. 122 p.

BIBLIOGRAPHY—SPINNING MACHINERY

TSentral'nala nauchno-tekhnicheskol biblioteka legkol promyshlennostl. [Simplified spinning systems, new principles for the production of yarn and the equipment used, index of Soviet and foreign literature received by the Library from November 1957 to June 1962] Sokrashchennye slstemy priadenila, novye printsipy polucheniia priazhi i primeniaemoe oborudovanie; spisok otechestvennol i inostrannol literatury, postupivshei v biblioteku s nolabria 1957 g. po liun' 1962 g. Moskva, 1962. 52 p.

[MICROFILM]

BIBLIOGRAPHY—STATISTICS

New books on statistics and accounting G Allutin Vest stat. no 7·77-78 '64

BIBLIOGRAPHY—STEEL

New books Stal' 23 no.4 366, 371 Ap '64

BIBLIOGRAPHY—SWITCHING THEORY

Bibliography on the use of electronic commutation in automatic telephony (1950-1961). M.F. Lutov. Probl. pered. inform. no.15:103-151 '63.

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS

From foreign periodicals, June 1963. Mekh.i avtom. proizv. 18 no.1,61-62 Ja '64.

Literature on the economic efficiency of capital investments and new equipment for 1951 - 1962. Sbor. nauch.inform Nauch.sov po eff.osn.fond.kap.vlozh.i nov.tekh.AN SSSR no 4,133-137 '63

New books Mekh i avtom.proizv. 18 no 1,56-57 Ja '64.

Review of Soviet periodicals, November 1963. Mekh.i avtom.proizv. 18 no.1·58-60 Ja '64.

BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series I] Inform biul.nov.inostr knig, postup.v Bibl.im.V I Len Ser.1 9 nos.20-24 Jl-Ag '64.

[New foreign books. Series B· Technology] Nov.knigi za rub.Ser B Tekh 8 no 8 Ag '64

BIBLIOGRAPHY—TECHNOLOGY—PERIODICALS

Moscow. Gosudarstvennaia publichnaia nauchno-tekhnicheskaia biblioteka SSSR. [Foreign technical periodicals, annotated index] Zarubezhnaia tekhnicheskaia periodika; annotirovannyi ukazatel'. Moskva, 1963. 452 p.

[MICROFILM]

BIBLIOGRAPHY—TELEPHONE, AUTOMATIC

Bibliography on the use of electronic commutation in automatic telephony (1950-1961). M. F. Lutov. Probl. pered. inform. no.15:103-151 '63.

BIBLIOGRAPHY—TEXTILE FIBERS, SYNTHETIC

Moscow. Publichnaia biblioteka. [New synthetic fibers; review of recommended literature] Novye khimicheskie volokna; rekomendatel'nyi obzor literatury. Moskva, Izd-vo "Kniga," 1964. 19 p. (Novoe v nauke i tekhnike, no.6)

BIBLIOGRAPHY—TIDAL WAVES

Akademiia nauk SSSR. Mezhduvedomstvennyi geofizicheskii komitet. [Tsunami, annotated bibliography in Russian and foreign languages for 1726-1962] TSunami; annotirovannaia bibliografiia na russkom i inostrannykh iazykakh za 1726-1962 gg. Moskva, Izd-vo "Nauka," 1964. 109 p.

BIBLIOGRAPHY—TRANSPORTATION

In the latest periodicals Transp stroi. 13 no.10·60 O '63

BIBLIOGRAPHY—UL'YANOVSK PROVINCE

Ul'yanovsk. Oblastnaia biblioteka-dvorets knigi im. V.I. Lenina. Bibliograficheskii otdel. [Recent literature on Ul'yanovsk Province, 1961] Novaia literatura ob Ul'ianovskoi oblasti (1961 god). [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1962. 62 p.

[MICROFILM]

BIBLIOGRAPHY—VENEREOLOGY

Bibliographic index of dermatology and venereology for forty years of Soviet power in Azerbaijan, 1920-1960. I.M.Ismail-zade. Azerb.med.zhur. no.6:48-52 Je '62.

Gitman, S.M., and N.A. Zhukov. [Bibliographical index of Soviet dermatology and venereology for 1951-1958] Bibliograficheskii ukazatel' sovetskoi dermatologii i venerologii za 1951-1958 gg. Moskva, Meditsina.
Vol.4. Book 1. 1964. 863 p.

BIBLIOGRAPHY—WHITE RUSSIAN LITERATURE

Vafatsy, N.B. [Belles lettres of Soviet White Russia, 1917-1960; bibliography of special issues] Mastatskaia literatura savetskai Belarusi, 1917-1960, bibliiagrafiia asobnykh vydanniau. Minsk, Dziarzhaunae vyd-va BSSR, 1962. 461 p.
(RPB)

BIBLIOGRAPHY—WOOD—CHEMISTRY

From scientific and technical journals. Gidroliz.i lesokhim.prom. 17 no.3;insert '64.

BIBLIOGRAPHY—YEAST

From scientific and technical journals. Gidroliz.i lesokhim.prom. 17 no 3 insert '64.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Our work with bibliographies E Stepanova. Bibliotekar' no 8·34 Ag '64

BIENNIALS (PLANTS)

Morphogenesis and mineral nutrition of the seed plants of biennial crops A S Kruzhilin and others Agrokhimiia no 1 117-122 Ja '64.

BILE

Effect of a diet deficient in lipotropic substances on the excretion of biliary phospholipids U Z.Kadyrov. Vop.pit. 22 no 3 28-36 My-Je '63.

Effect of choline chloride on the bilesecreting function of the liver in the dog. N.P Skakun, I.I. Lesiuk. Farm.i toks. 26 no.5 616-620 S-O '63.

BILE DUCTS—RADIOGRAPHY

Study of gallbladder function in elderly and senile persons; roentgenological method. I.S. Petrova, P.O. Sakun. Fiziol.zhur. 10 no.1:127-129 '64.

BILE DUCTS—SURGERY

Changes in the blood coagulation system in experimental cholemia and acholia. R.I.Bokeriia Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11,291-310 '63.

Incretory changes in the pancreas in mechanical jaundice and the degree of their reversibility following the reestablishment of the discharge of bile. D.N.Busechidze Trudy Inst eksp.i klin.khir.i gemat.AN Gruz SSR 11 139-142 '63.

BILIARY TRACT—DISEASES

Eremin, V.U. [Treatment of patients with chronic inflammatory diseases of the liver and biliary tract at the Truskavets Health Resort] Lechenie bol'nykh khronicheskimi vospalitel'nymi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. Kiev, Gosmedizdat USSR, 1964. 51 p.
(DNLM)

BILLS OF LADING

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Scientific commentary on judicial practice in civil matters for 1962] Nauchnyi kommentarii sudebnoi praktiki po grazhdanskim delam za 1962 god. Moskva, Izd-vo "IUridicheskaia literatura, 1963. 170 p.

BINDING ENERGY

Binding energy in alkali metals and alkaline earth metals V.F.Konusov. Izv.vys.ucheb zav., fiz no 4;133-137 '64.

BINDING MATERIALS

Clinkerless binding materials made out of phosphoric slag. A.V.Volzhenskii, T.M.Tiranova. Stroi.mat. 9 no.6;31-33 Je '63.

Lime is as good as cement. A.N.Krasheninnikov. Stroi. mat. 9 no.6;7 Je '63.

Producing autoclave cellular concrete on mixed binding materials. N.E.Dikarkina, S.B.Salidzhanov, S.Z. Tuliaganov. Sbor.nauch.trud.NII po stroi.ASIA no.4 66-71 '63.

Some physicomechanical properties of gypsum cement pozzolan keramzit concrete. R A. Mukhamedaminov. Sbor.nauch.trud.NII po stroi.ASIA no.4 92-97 '63.

Using cement-perlite and lime-perlite binder in the manufacture of perlite-concrete products. P.M. Zil'berfarb, G.G. Zaitsev. Sbor.trud.ROSNIIMS no.25. 120-143 '62.

Volzhenskii, A.V., G.S. Kogan, and IU.S. TSukanov. [Gypsum-cement-puzzuolanic binding materials and concretes on their base] Gipsotsementnoputstsolanovye viazhushchie veshchestva i betony na ikh osnove. Riazan', Riazanskaia kompleksnaia nauchno-issl. stantsiia-laboratoriia po sel'skomu stroitel'stvu NIISZ AS i SSSR, 1961. 48 p.

[MICROFILM]

BIOCHEMISTRY

Biochemistry of plants and the national economy. A.V. Blagoveshchenskii. Biul.MOIP.Otd.biol. 68 no.3;5-9 My-Je '63.

Biochemistry of the ascarids, a review of literature. A.I.Krotov. Med.paraz.i paraz.bol. 32 no.4:483-487 Jl-Ag '63.

Bookshelf. TSitologiia 5 no.4:465,484 Jl-Ag '63.

Filov, V.A. [Determination of poisonous chemicals in biological substrates] Opredelenie iadokhimikatov v biologicheskikh substratakh. Moskva, Nauka, 1964. 250 p.

Liquid scintillation counter for studying biological preparations V.N.Podymakhin, E.G Toropygina. Atom. energ. 17 no.2:149-151 Ag '64.

Unity of somatocerebral disorders in schizophrenia and other neuropsychic diseases based on data of clinical and immunological studies. S.F.Semenov. Trudy Gos. nauch.-issl.psikhonevr.inst. 29;129-144 '63.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref.zhur.: Biol.khim. nos.14-15 Jl-Ag '64.

BIOCHEMISTRY—CONGRESSES

First All-Union Biochemical Congress. S.A.Roslavtseva, M.I.Gagarina. Khim.v sel'.khoz. 2 no.4:81-83 Ap '64.

BIOGRAPHY—BIBLIOGRAPHY see Bibliography—Biography

BIOLOGICAL RESEARCH

(see also subdivision under Ukraine)

Paths of experimental biology. A.L.Kursanov. Vest AN SSSR 34 no 7 36-42 Jl '64

The state of and measures for the development of [illegible] medical and biological research in the higher medical schools of the R S F.S.R D.A. Zhdanov Biul [illegible] med sov. 3 no 1 3-13 Jl-Ag '62

BIOLOGICAL TRANSPORT

Interrelation of free radicals with the active transfer of sodium ions in the skin of frogs Z P. Kometiani Biofizika 8 no 1·40-44 '63.

BIOLOGY

Dynamic systems in physics and biology. Norbert Wiener Vest AN SSSR 34 no 7 43-45 Jl '64

[Reports at the 15th Annual Lecture in Memory of N.A. Kholodkovskii, April 18, 1962] Doklady na piatnadtsatom ezhegodnom chtenii pamiati N.A Kholodkovskogo 18 aprelia 1962 g. Moskva, Nauka, 1964. 92 p.

Reviews E D Ravich-Birger. Lab.delo no.7 440 '64

BIOLOGY—ABSTRACTS

[Biology] Ref.zhur.· Biol. nos.14-17 Jl-S '64. Avtorskii ukazatel', vol.2 '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—CONGRESSES

Nauchnaia konferentsiia molodykh uchenykh Moldavii. 3d. [Transactions of the Third Conference of Young Moldavian Scientists] Trudy. Kishinev, "Kartia moldoveniaske."
No.2. [Biological and agricultural sciences] Biologicheskie i sel'skokhoziaistvennye nauki. 1964. 273 p.

BIOLOGY—ELECTROMECHANICAL ANALOGIES

Model study of a particular principle of the microevolutionary process IU.N. Krol' Biofizika 7 no.5; 529-537 '62.

BIOLOGY—METHODOLOGY

Methodology problems of biology. N.P.Naumov. Nauch. dokl.vys.shkoly; filos.nauki 7 no.1,136-145 '64.

BIOLOGY—STATISTICS

Review of Norman D. Bailey's book "Statistical methods in biology." A.N.Kudrin, G.T. Ponomareva. Farm.i toks. 26 no.5,633-634 S-O '63.

BIOLOGY—STUDY AND TEACHING

Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; biology] Programmy vos'miletnei shkoly; biologiia. Moskva, Prosveshchenie, 1964. 35 p.

Russia (1917- R.S.F S.R.) Ministerstvo prosveshcheniia. [Secondary school programs for the 1964-1965 school year; biology] Programmy srednei shkoly na 1964/65 uchebnyi god; biologiia. Moskva, Prosveshchenie, 1964. 15 p.

BIOLUMINESCENCE

Mechanism of superweak spontaneous luminescence of organisms V.A. Veselovskii, E.N. Sekamova, V.N. Tarusov. Biofizika 8 no.1·125-127 '63.

BIOPHYSICS—CONGRESSES

International Biophysical Congress. 1st, Stokholm, 1961. [Problems of biophysics; materials] Voprosy biofiziki; materialy. Moskva, Nauka, 1964. 286 p.

BIOPSY

Combined method of staining gynecological biopsies. I.V.Pervozvanskaia. Akush.i gin. 40 no.1;142-143 Ja-F '64.

Vinogradova, T.P. [Diagnosis of osteoarticular pathology by biopsy] Diagnostika kostno-sustavnoi patologii po biopsiiam. Moskva, Meditsina, 1964. 191 p.
(DNLM)

BIOSYNTHESIS

Kinetics of biosynthesis. M.V. Vol'kenshtein and others Biofizika 8 no.1;3-8 '63

Open chemical systems capable of autosynthesis. A.IA Nikolaev, E.S. Tiul'panova. Dokl.AN SSSR 158 no.1. 229-231 S-O '64.

BIPHENOL

Use of thin-layer chromatography for the analysis of certain diphenols. Z.K.Sopkina, V.D.Riabov. Zhur. anal.khim. 19 no.5;615-618 '64.

BIPHENYL

Metastatic method for the quantitative determination of diphenyl in diphenyl bearing products. D.A.Aliev, Sh.T.Akhmetov, V.D.Mamedova. Neftoper.i neftekhim. no.5;26-30 '64.

BIPHENYL (Continued)

Tar from the pyrolysis of gaseous hydrocarbons as a product for obtaining biphenyl and benzene R G. Ismailov, D.A Aliev, T.M Ivanova Azerb neft khoz 43 no.5:33-36 My '64.

BIPHENYL—THERMAL PROPERTIES

Determination of critical thermal currents during the boiling of monoisopropylbiphenyl in a pipe V.D Mikhailov, A I Abramov Izv vys ucheb zav , energ 7 no 7:109-110 Jl '64

DIPHENYLAMINE

Reaction with diphenylamine as an indicator of the activity of the rheumatic process. IA.S.Vainbaum and others. Sov.zdrav.Kir. no.6 28-30 N-D '63.

DIPYRIDINE

Chemistry of dipyridyls. Part 3: Reactivity of dipyridyls O.S.Otroshchenko and others. Zhur.ob. khim. 34 no.7·2304-2309 Jl '64.

BIRCH see subdivision under Kamchatka

BIRDS see subdivision under Bureya Valley

BIRDS—BEHAVIOR

Importance of the signal factors in the formation of food-conditioned behavior of the young of the pied flycatcher (Muscicapa hypoleuca). S.N.Khaiutin. Biul.eksp.biol. i med. 55 [i.e. 56] no.10:14-17 O '63.

BIRDS—EGGS AND NESTS

Change in the nesting area of gray crane, white crane and demoiselle crane in the Soviet Union A.M Sudilovskaia. Biul.MOIP.Otd.biol 68 no.3·125-127 My-Je '63.

BIRDS—MIGRATION see subdivision under Pacific Ocean

BIRTH (IN RELIGION, FOLKLORE, ETC.)

A man is born A Filatov. Sov.profsoiuzy 20 no.16·30-31 Ag '64

BIRTH, MULTIPLE

Using prolan (chorionic gonadotropin) for promoting multiparity in sheep A.L.Paducheva, A A Molchanova. Trudy VIZH 25;216-220 '63.

BIRTH INJURIES

State of the newborn following vacuum extraction determined by immediate and remote observations. I.N. Medvedeva. Akush.i gin. 40 no.1;91-95 Ja-F '64.

BISHOP'S WEED

Pharmacological investigation of avisan, a preparation from the fruit of the bishop's-weed Ammi visnaga IA I.Khadzhai. Farmatsev zhur 16 no 1 51-55 '61

BISMUTH

Bismuth in tungsten deposits. A.M.Bybochkin and others Razved.i okh.nedr 30 no.2;10-15 F '64.

Hematoxylin as a specific reagent to bismuth. A.S. Aleksandrovich-Mel'nikova, S.N.Khramova Trudy Astr.tekh.inst ryb.prom.i khoz no.8;82-88 '62.

Use of gallein for the photometric determination of bismuth A.I.Cherkesov and others Trudy Astr. tekh.inst ryb.prom.i khoz. no.8·74-81 '62

BISMUTH—ANALYSIS

Chemical-spectral method of analysis of high purity bismuth. L.L.Baranova, S.M.Solodovnik. Zhur. anal.khim. 19 no.5;588-592 '64.

BISMUTH-ANTIMONY ALLOYS see Antimony-bismuth alloys

BISMUTH COMPOUNDS

Behavior of bismuth tellurides and selenides during saline leaching R.G.Azerbaeva, A L TSeft Trudy Inst met.i obog AN Kazakh.SSR 8 65-71 '63

BISMUTH-COPPER-ANTIMONY ALLOYS—THERMODYNAMICS

Thermodynamic properties of the ternary metallic system bismuth - copper - antimony. A.L.Lomov, A.N.Krestovnikov. Dokl.AN SSSR 156 no.6;1389-1390 Je '64.

BISMUTH-INDIUM ALLOYS see Indium-bismuth alloys

BISMUTH ISOTOPES—DECAY

Alpha-ray reduced widths in Bi^{210} and the spectrum of levels in Tl^{206}. K.B.Baktybaev, G.M.Bukat. Izv.AN SSSR.Ser.fiz. 28 no.7;1229-1233 Jl '64.

BITING MIDGES see subdivision under Kacha Valley (Krasnoyarsk Territory)

BITS (DRILLING AND BORING)

Competition for the design of highly-efficient bits for the drilling of wells at a depth of five to ten thousand meters. Azerb.neft.khoz. 42 no.6:48 Je '63.

Investigating wear and failure of the teeth of bit rollers. V.N.Vinogradov, G.K Shreiber, G.M Sorokin Neft. khoz. 42 no.7;14-17 Jl '64

Khalilov, A.A. [Effect of the design features of jet bits on the efficiency of their operation] Vliianie konstruktivnykh osobennostei gidromonitornykh dolot na effektivnost' ikh raboty. Moskva, Izd-vo "Nedra," 1964. 92 p.

Operation of No 9 bit in the drilling of deep wells at high working pressure G N Uspenskii L G Voinov, P K Sutugin Trudy KNII NP no 17 3-11 '62

BITUMEN

(see also subdivision under Daghestan)

Optimal temperature of the production process of oxidated road bitumens S F Moiseikov, V.D Solodkov Izv AN Turk.SSR Ser.fiz.-tekh.,khim.i geol.nauk no.2 34-38 '63

BITUMEN—COMPOSITION

Evaluating methods for determining the group composition of bitumens. V.I.Korchagina, L.I.Rutman, F.M. Shnol'. Nefteper.i neftekhim. no.2·18-21 '64.

BITUMEN—GEOLOGY see subdivision under Vilyuy Valley

BITUMINOUS MATERIALS see subdivision under Caucasus, Northern

BLACK SEA—ANCHOVIES

Economic efficiency of using Black Sea anchovies for the production of feed meal and oil L S Alpatikova Trudy Azchernirо no 21 63-73 '63

BLACK SEA—CALANOIDA

Diurnal rhythm of fat loss and accumulation in Calanus helgolandicus (Claus) in the Black Sea T.S.Petipa. Dokl.AN SSSR 156 no.6;1440-1443 Je '64.

BLACK SEA—FISHES

Svetovidov, A.N. [Fishes of the Black Sea] Ryby Chernogo moria. Moskva, Izd-vo "Nauka," 1964. 550 p (Opredeliteli po faune SSSR, no.86)

BLACK SEA—OCEANOGRAPHY

Radiation balance of the surface layer of the Black Sea D.V Solianskin Trudy Inst okean 72 155-166 '63

BLACK SEA—SHORE PROTECTION

Stop the sea. P Kazakov. NTO 6 no.6 17-19 Je '64.

BLACKFLIES

A water and sandblasting method of controlling larvae of bloodsucking midges (Diptera, Simuliidae). V.S.Odintsov. Med.paraz.i paraz.bol. 32 no 4;481-483 Jl-Ag '63.

BLADDER

Effect of the ligature of both pelvic arteries on the wall structure of urinary bladder and rectum. G.N. Kuparadze. Soob.AN Gruz.SSR 33 no 3.707-713 Mr '64.

BLADDER—ABNORMITIES AND DEFORMITIES

"Forebladder", an anomaly of the urinary bladder. I.G. Mikhnovskaia. Urologiia no.1:56-57 '64.

BLADDER—CANCER

Treatment of cancer of the urinary bladder with radioactive gold. Vaclav Pačes. Urologiia no.1:42-45 '64.

Use of cadmium iodide and semicarbazide hydrochloric acid in the treatment of bladder tumors. L.M.Rabkova. Vop.onk. 9 no.6;125-126 '63.

BLADDER—DISEASES

Late results of ureteroileocystoplasty. V.M.Borisova. Urologiia no.1:50-51 '64.

Malacoplakia of the urinary bladder. S.A.Sarnetskaia. Urologiia no.1:55-56 '64.

BLADDER—EXPLORATION

Malacoplakia of the urinary bladder. S.A.Sarnetskaia. Urologiia no.1;55-56 '64.

BLADDER—INFLAMMATION

Combined treatment of cystitis in polyclinics. A.G. Romanenko. Sov.zdrav.Kir. no.6,23-28 N-D '63.

BLADDER—RADIOGRAPHY

Combined contrast in X-ray studies of the urinary bladder. A.O.Tatarian, L.S.Nagapetian. Vop.rent.i onk. 7: 111-114 '63.

BLADDER—SURGERY

Experimental enteroplasty of the urinary bladder. V.M. Vertepova, E.L.Vol'pian, S.B.Ramenskii. Urologiia no.1:22-25 '64.

Experimental physiological and histochemical study of the adaptation of intestinal transplants incorporated in the urinary system. S.Z.Fradkin. Izv.Sib.otd.AN SSSR no.8.103-109 '62.

Ileocystoplasty and sigmoidocystoplasty. Trin-Ko Nguen, Me Nguen. Urologiia no.1;18-21 '64.

Motor function of the restored urinary bladder in various techniques of intestinal plastic surgery. H.F. Kornilova. Fiziol.zhur. 10 no.1;137-139 '64.

BLADDER—TUMORS

Combined contrast in X-ray studies of the urinary bladder. A.O.Tatrian, L.S.Nagapetian. Vop.rent.i onk. 7: 111-114 '63.

Late results of the treatment of tumors of the urinary bladder. D.L.Korin, E.A.Marusev. Urologiia no.1: 46-49 '64.

BLADES—COOLING

Effectiveness of the cooling of a two-circuit sleeve blade A G Zenukov. Izv.vys ucheb zav , av tekh 6 no.4 96-102 '63

BLAGONRAVOV, ANATOLII ARKAD'EVICH, 1894-

To Academician A A.Blagonravov (on the occasion of his 70th birthday and the 35th anniversary of his scientific, pedagogical and public work) Izv.AN SSSR. Mekh i mashinostr. no 4 3 Jl-Ag '64

BLAST FURNACES

Carbon consumption in blast furnace smelting. V.I. Korobov. Izv.vys.ucheb.zav., chern.met. 7 no.7: 29-35 '64.

Effect of incomplete charging on blast furnace performance. V.M.Dolgov. Izv.vys.ucheb.zav.; chern.met. 7 no.7;43-47 '64.

Gagarin, P.I. [Metallurgist, innovator; a sketch] Metallurg-novator, ocherk. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 14 p. (Geroi nashikh dnei) [MICROFILM]

Limits of forcing blast furnace smelting I G Tovarovskii and others Metallurg 9 no.5 4-9 My '64

Performance of Transcaucasia Metallurgical Plant blast furnaces operating on natural gas N.V Kashkashvili and others Trudy GPI [Gruz] no 4 11-23 '62.

Reducing the sulfur content of converter cast iron at the Zaporozhstal' Plant in connection with an improvement of the technology of blast furnace smelting G.A. Volovik, IU.M.Potebnia. Stal' 23 no.4.296-299 Ap '64

Studying the influence of natural gas and oxygen on the thermal and aerodynamic processes of the tuyere zones in a blast furnace, for the purpose of their automatic stabilization K.A Shumilov, V.L Mel'nichuk. Met.i gornorud prom. no 6·3-7 N-D '62

Temperatures of sinter softening. S.P.Efimov. Izv. vys.ucheb.zav.; chern.met. 7 no.7·36-42 '64.

BLAST FURNACES—DESIGN AND CONSTRUCTION

Automatic control of the distribution of blast to blast furnace tuyeres at the Kuznetsk Metallurgical Combine B.N.Zherebin and others Stal' 23 no.4;292-296 Ap '64

Forced operation of blast furnaces with larger diameter tuyeres I I Pushkash, B L.Lazarev, I A Tatsienko Metallurg 9 no.7:10-12 Jl '64

New type of air pressure sampler from the blast pipe. S T Rusin Metallurg 9 no 7 12-13 Jl '64

Performance of blast furnaces operating with larger diameter tuyeres A A Malyshev. Metallurg 9 no 7 8-9 Jl '64.

BLAST FURNACES—EQUIPMENT AND SUPPLIES

Deficiencies in the equipment of 2,000-ton capacity blast furnaces V K Varfolomeev Metallurg 9 no 5 12-14 My '64

Investigating the model of a charging apparatus with a rotating chute. A.N Pokhvisnev, E.F.Vegman, A.A. Vagin Stal' 23 no.4·299-300 Ap '64

Regularities of pressure of the charge mixture in blast furnaces P N.Grekov, V.K Gruzinov. Stal' 23 no.4 301-302 Ap '64

BLASTING

(see also subdivision under Krivoy Rog Basin)

Dependence of the coefficient of the loosening up of rock on the technology of blasting operations in a strip mine A.P Tkachenko and others Sbor nauch.trud KGRI no.23 43-47 '63.

Economic evaluation of the practical usefulness of formulas for calculating parameters of boring and blasting operations in strip mines. G.P.Moltusov, G.K. Kotov, A.I.IAkovenko, Izv.vys.ucheb.zav ; gor. zhur. 7 no.3;54-58 '64.

Expansion of mining operations at the Olenogorsk strip mine using multiple-row blasting. A I Arsent'ev and others Sbor.nauch.trud KGRI no 15 60-63 '63

Gas content in the atmosphere of strip mines after large-scale blasting. B IA Drobot and others Sbor nauch. trud KGRI no 15 89-93 '63

Overpacking explosives in boreholes in short-delay blasting N I.Diadechkin and others Sbor.nauch. trud.KGRI no 23 40-41 '63

Practice of using short-delay blasting in mining hard ores at the ^{R}I Liuksemburg Mine. N.I.Diadechkin, I P.Sadovoi, V.A Dolgov Sbor nauch trud.KGRI no 23 23-26 '63.

Results of the observation of the effect of various diameter boreholes and drillholes on blasting indices. N.T. Nugmanov, K.Kh.Tleuzhanov, M.S.Sapargaliev. Trudy Inst.gor.dela AN Kazakh.SSR 12;151-154 '63.

Trends in the improvement of boring and blasting operations during mining M F.Drukovanyi, V.M. Komir, V I.Il'in. Ugol' Ukr. 7 no.9;55-56 S '63

Ventilation practices at the "Novaia" Mine of the R Liuksemburg Mining Administration after large-scale blasting V G.Sliusarenko Sbor.nauch trud.KGRI no 23 105-107 '63

Visible cracking of the surface of a massif being blasted, V.K.Rubtsov. Izv.vys ucheb zav.; gor.zhur 7 no.3;96-101 '64.

BLASTING—TESTING
(see also subdivision under Kuznetsk Basin)

Method of breaking up oversize pieces of ore under [illegible]. Zh K. Zharvankulov, V A. [illegible], G Kh [illegible] Trud, Inst gor.dela AN [illegible] '63.

BLEACHING MATERIALS

Investigating the bleaching property of clays (opoka) of certain fields in Volgograd province. A. F. Malakhov, F V Kara[illegible]. Neftepere. i neftekhim. no. 2 10-12 '64.

BLEEDING see Hemorrhage

BLIND FLYING see Instrument flying

BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921

Dolgopolov, L. K. [Blok's poems and the Russian poem at the end of the 19th and beginning of the 20th century] Poemy Bloka i russkaia poema kontsa XIX - nachala XX vekov. Moskva, Izd-vo "Nauka," 1964. 187 p

[illegible] V P [illegible] Nov mir 40 no 4 245-[illegible] Ap [illegible]

BLOOD

Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P F L Lerner Akush i gin 39 no 5:47-51 S-O '63

BLOOD—AGGLUTINATION

Studying the effect of nucleases on the capacity of the [illegible] for the reaction of hemagglutination [illegible] Iz Sib otd AN SSSR no. 7 105-108 '62

BLOOD—ANALYSIS AND CHEMISTRY

Autoantibodies in some dermatoses detected by the indirect Coombs' test S.Stoianov, I.Ivanov. Vest. derm i ven 38 no 1:18-21 Ja '64

Biochemical indices of the blood in healthy experimental animals. M G.Tediashvili, T M Goderdzishvili. Trudy Inst eksp i klin khir i gemat AN Gruz.SSR 11: 219-232 '63.

Changes in some biochemical indices of the blood in coronary perfusion. T.M Goderdzishvili and others. Trudy Inst.eksp i klin khir i gemat.AN Gruz.SSR 11 21-24 '63

Changes in the blood of cattle infected with leptospirosis V F M[illegible], A A Kostina E F Larskii Veterinariia 41 no 4 42-43 Ap '61

Changes in the blood picture in thyrotoxicosis treated with radioactive iodine. E.M.Semenskaia, N.V.Dzhibladze, N.A TSintsadze. Trudy Inst.eksp.i klin.khir. i gemat AN Gruz.SSR 11 87-90 '63

Changes in the composition of peripheral blood and bone marrow following resection of the lungs N.V.Dzhibladze, N G.Larionova, O.I Burdzhanadze. Trudy Inst eksp i klin.khir i gemat.AN Gruz.SSR 11,71-73 '63

Content of catechol amines in the blood of patients during various periods of gynecological surgery under nitrous oxide anesthesia with muscle relaxants. V I.Potanin Akush i gin. 40 no 1:101-105 Ja-F '64.

Content of polyunsaturated fatty acids in the blood serum of patients with atherosclerosis. M. V. Bavina, N. M. Lobova. Kardiologiia 2 no. 6:59-66 N-D '62.

Detection of tumorous cells in the blood of patients with cancer. V. A. Fanardzhian, G. A. Arzumanian, G. A. Danelian Vop. rent i onk. 7 267-271 '63

Determination of calcium and magnesium in the blood serum using sodium tripolyphosphate. E. I. Galkina, S. F. Zavgorodnyi. Vop. med. khim. 9 no. 2:207-209 Mr-Ap '63.

Determination of calcium in blood plasma by the flame photometry method S Kh Karymova Lab. delo no 7: 416 '64

Effect of Argasidae and Ixodidae tick bites on the blood of rabbits. A.A.Pchelkina. Med.paraz.i paraz.bol. 32 no 4 473-475 Jl-Ag '63.

Effect of prolonged administration on testosterone propionate on the morphological composition of the blood of adrenalectomized rats R. S Filatova, Fiziol. zhur. [Ukr.] 9 no. 6 754-758 N-D '63

Free amino acids in the blood and urine of patients with some forms of dermatosis. V.P.Volkov. Vest. derm. i ven. 38 no. 1:9-18 Ja '64.

Insulin activity of the blood. L. L. Liberman. Usp. sovr. biol. 55 no. 2:296-312 Mr-Ap '63.

Lipoproteins in the blood serum of patients with seroresistant syphilis. L.N.Lubashevskaia. Vest. derm. i ven. 38 no. 1:41-44 Ja '64.

Orientation standards of the percent composition of peripheral blood and bone marrow punctates in normal dogs. A.K.Ivanian. Pat. fiziol. i eksp. terap. 6 no. 4:73-75 Jl-Ag '62.

Qualitative changes in fibrinogen and methods for their study V P Baluda, G.P Rusakova, O.IU.Tokarev Lab. delo no. 7 425-429 '64

Simple method for the determination of antistreptolysin O titer in blood serum. N Lazarov. Lab delo no. 7 403-405 '64

Some indices of the blood system during treatment of thyrotoxicosis with J^{131}. V M.Udod. Med.rad. 8 no. 12:13-18 D '63.

Study of lipoproteins in the blood of donors by agar gel electrophoresis using previously colored blood plasma. L. L. Dellamure. Vop. med. khim. 9 no. 2:200-204 Mr-Ap '63.

Study of the absorption, concentration in the blood and excretion in the urine of the Bulgarian antitubercular preparation INHA-17 M.N Simeonov. Probl. tub. 42 no. 1:39-43 '64.

BLOOD—CIRCULATION

Changes in hemodynamics in myocardial infarction. A. V. Vinogradov and others. Kardiologiia 2 no. 6:37-42 N-D '62.

Conference on collateral circulation in Stanislav, May 24-26, 1962 D M Gzgzian, N. V. Dolishnii, F. V. Sudzilovskii. Arkh. anat., gist. i embr 43 no. 11:122-126 N '62

Effect of contrast media on the coronary blood flow rate P. V. Sergeev Farm. i toks 26 no. 5 594-597 S-O '63.

X-ray method in the study of hemodynamics and other indices in cardiovascular diseases I L. Arabei. Vop rent i onk. 7 63-73 '63

BLOOD—CIRCULATION, ARTIFICIAL
(see also subdivision under Slovakia)

Changes in some biochemical indices of the blood in coronary perfusion. T.M.Goderdzishvili and others. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11,21-24 '63.

Importance of coronary perfusion in exclusion of the heart from blood circulation; hypothermia and artificial blood circulation G.D.Ioseliani, G.D.Pagava, A.V. Khuchua. Trudy Inst.eksp.i klin khir i gemat AN Gruz.SSR 11,325-330 '63.

Review of V.I.Burakovskii's book" 'Dry heart' during hypothermia in surgery on congenital heart defects". V.I.Kolesov. Grud.khir. 5 no. 5:110 S-O '63.

Toluidine blue, an inhibitor of heparin, and prospects for its use in artificial blood circulation. M.S.Machabeli, L.G.Bezarashvili. Trudy Inst.eksp i klin.khir.i gemat AN Gruz.SSR 11:75-79 '63.

BLOOD—CIRCULATION, DISORDERS OF

Changes in the level of arterial pressure and vascular tonus in disorders of coronary circulation during nitranol therapy. A.I.Romanovskaia. Khim.i med. no. 16,50-53 '61.

Effect of nitranol on the cutaneous capillaries in disorders of coronary circulation O.V.Pavlova. Khim.i med. no. 16:64-67 '61.

Electrocardiographic changes in patients with disorders of coronary circulation during nitranol therapy. E.A. Gruzina. Khim.i med. no 16:61-64 '61.

Physiological analysis of disturbances in the regional blood circulation during the development of neural dystrophy. S.V Magaeva Dokl AN SSSR 157 no. 1,233-235 Jl '64.

Pneumographic studies in disorders of coronary circulation during nitranol therapy. N.A.Vasil'eva. Khim.i med. no 16:56-60 '61.

Teitel'baum, G. N. [Hemodynamic disorders in some infectious diseases] Narusheniia gemodinamiki pri nekotorykh infektsionnykh zabolevaniiakh. [Leningrad] Meditsina, 1964. 167 p
(DNLM)

BLOOD—COAGULATION

Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administration. A.A.Novakovskaia, A.N.Tikhomirova, T.M.Guseva. Vop.pit. 22 no. 3:19-22 My-Je '63.

Changes in the blood coagulation system and their significance in the development of a hemorrhagic syndrome in the deficiency of ascorbic acid and capillary-strengthening bioflavonoids in the body. I.I.Matusis, I.I.Ulasevich. Vop.pit. 23 no. 1:22-25 Ja-F '64.

Changes in the blood coagulation system in anaphylactic shock. M.G.Mukhadze, M.V.Tordiia. Trudy Inst. eksp.i klin.khir.i gemat.AN Gruz.SSR 11,163-167 '63.

Changes in the blood coagulation system in experimental cholemia and acholia. R.I.Bokeriia. Trudy Inst.eksp. i klin.khir.i gemat.AN Gruz.SSR 11:291-310 '63.

Characteristics of blood coagulation during and after labor. L.B.Bokova. Akush i gin. 39 no. 5:51-56 S-O '63.

Conference on problems in the physiology, biochemistry and pharmacology of blood coagulation held in Tartu. G.S.Dobrokhotov, K.M.Lakin. Farm.i toks. 25 no. 6:755-756 N-D '62.

Effect of nicotinic acid on blood coagulation under experimental conditions. G.M.Avetisian, V.A.Atsekhovskaia, L.I.Shurai. Farm.i toks. 26 no. 2:216-219 Mr-Ap '63.

A method of prophylaxis of a coagulated hemothorax. O.I.Burdzhanadze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:223-227 '63.

Relation of the development of inflammation to the state of the blood coagulation system. I. A. Oivin and others. Arkh. pat. 26 no. 2:83-88 '64.

Some characteristics of the blood coagulation system in Botkin's disease during pregnancy N. N. Elizarov. Akush. i gin. 39 no. 5:61-65 S-O '63.

Some indices of the blood coagulation system in women with a normal and disturbed menstrual cycle. A.N. Primak. Akush. i gin. 40 no. 1:105-110 Ja-F '64.

State of some indices of the blood coagulation system in acute and chronic experimental radiation sickness in hypothermia. T.N.Dzhaparidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:95-102 '63.

State of the blood coagulation system in pregnant women with nephropathies. L. A. Parshina. Akush. i gin 39 no 5:56-60 S-O '63.

BLOOD—DISEASES

Erythrocytosis of the blood in cancer of the cardial part of the stomach. G.V.Krikunenko. Vop. onk. 10 no 3: 78-82 '64.

Phagocytic activity of eosinophils in eosinophilias of allergic origin IU F. Valiev Lab. delo no. 7 43[illegible]-4[illegible] '64.

BLOOD—OXYGEN CONTENT

Content of oxygen and organic acids of blood in the terminal state caused by bilateral pneumothorax and in the following restoration of life functions of the organism. Sh.S.Machavariani. Soob.AN Gruz SSR 33 no. 3:565-572 Mr '64.

Effect of cardiac glycosides on coronary circulation and absorption of oxygen by the heart in experimental myocardial infarction. E. A. Veselova. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:57-62 O '63.

BLOOD—TRANSFUSION

Changes in some enzymes of the blood during bloodletting and transfusion in hypothermia. T. M. Goderdzishvili, E.D.Bagrationi, L.Sh.Tevdoradze. Trudy Inst eksp. i klin. khir i gemat.AN Gruz.SSR 11:29-31 '63.

Effect of the blood of animals previously irradiated with X rays on the transfer of excitation in synapses of the superior cervical sympathetic ganglion. A. I. Komendantova. Pat fiziol. i eksp. terap. 6 no. 4:51 Jl-Ag '62.

Forcing of the blood into the ascending aorta in an agonal condition of a parturient. A. T. Kariukina. Akush. i gin. 39 no 5:68-70 S-O '63.

Functional state of the thyroid gland and the blood in patients with peptic ulcers. I. T. Kaliuzhnyi. Sov. zdrav. Kir. no. 6:19-23 N-D '63.

Gromov, A. M. [Vegetative hybridization of poultry] Vegetativnaia gibridizatsiia ptits. Moskva, Izd-vo "Kolos," 1964. 141 p.
(DNAL)

Operation of exchange transfusion of blood in anaerobic sepsis. I. I. Berliant. Akush. i gin. 40 no. 1:49-50 Ja-F '64.

BLOOD AS FOOD OR MEDICINE

How we take care of young farm animals. M. B. Antipov, A. T. Bannov. Veterinariia 41 no 4 3-5 Ap '64.

Treatment of eye burns with subconjunctival injections of autoblood and penicillin. N. I. Khlistin, A. IA. Shishliannikov Sbor. nauch. rab. stud. Volg. gos. med. inst. no. 1:88-93 '60.

BLOOD-BRAIN BARRIER see Hematoencephalic barrier

BLOOD DONORS

Reaction of complement fixation as a test for toxoplasmosis in donors. S. A. Filina, N. Kh. Pogosian. Zhur. eksp. i klin. med. 4 no. 2:85-88 '64

BLOOD PLASMA

Characteristics of striction and surface tension of the blood plasma in schizophrenia. Z. A. Zurabashvili. Soob. AN Gruz. SSR 33 no. 3:723-727 Mr '64.

BLOOD PLASMA SUBSTITUTES

Studying the anaphylactogenic and reactogenic properties of heterogenous protein and synthetic plasma substitutes in acute radiation sickness. U. R. Karavaeu. Vestsi AN BSSR. Ser. biial. nav. no. 4:91-102 '62.

BLOOD PLATELETS

Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administration. A.A.Novakovskaia, A N.Tikhomirova, T.M.Guseva. Vop.pit. 22 no. 3:19-22 My-Je '63.

Changes in thrombocytes and megakaryocytes in rats during the growth of transplanted tumors. G.N. Prishtvoit. Vop. onk. 10 no. 3:46-51 '64.

Effect of erythrocytes on the adhesiveness of blood platelets. B I. Kuznik, V. P. Mishchenko. Lab delo no. 7:441-443 '64

Structural characteristics and oxidative metabolism in a granular fraction isolated from human blood platelets. N. B. Cherniak, A. A. Totskaia. Vop. med. khim. 9 no. 2:146-154 Mr-Ap '63.

Thrombocytopoiesis in myeloproliferative diseases. M. M. Degtiareva. Probl. gemat. i perel. krovi 8 no. 8 30-36 Ag '63.

BLOOD PRESSURE

Change in arterial pressure during hemorrhage in irradiated animals. M. A. Movsesian. Vop. rent. i onk. 7:163-175 '63.

BLOOD PRESSURE (Continued)

Effect of neuropsychic factors on the dynamics of arterial pressure in practically healthy persons and some groups of patients. V.P.Riabkov. Trudy Gos nauch.-issl.psikhonevr inst. 29;309-315 '63

Effect of some isothiuronium pyridoxine derivatives on blood circulation and some functions of the nervous system. S.IA.Arbuzov, V.I Generalov Farm i toks 26 no. 5 518-525 S-O '63.

Effect of the fluid extract from the roots of ginseng on the level of arterial pressure in healthy people I P. Goncharenko. Mat.k izuch.zhen'.i drug lek rast.Dal'. Vost. no.5;149-151 '63.

Prevention of hazardous hemodynamic changes in occlusion of the thoracic and abdominal aortas in experimental renal hypertension. S.A.Gasparian, V.G. Akopian. Grud.khir. 5 no.5;33-41 S-O '63.

BLOOD PRESSURE—MEASUREMENT

Method of bloodless determination of arterial pressure in laboratory animals. R.Looga, M.Kull. Biul.eksp. biol.i med. 55 [i.e.56] no.10:116-119 O '63.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEIN

Blood proteins and γ- globulin therapy in pregnant women with late toxemias. A.M.Shevchenko. Akush. i gin. 40 no.1;54-59 Ja-F '64.

Change in proteins, proteids and aminotransferase activity in the blood serum of patients with chronic liver diseases under the influence of diet therapy T.S.Loranskaia. Vop pit. 22 no 3;8-13 My-Je '63.

Changes in the protein fractions of the blood serum in dogs during muscle activity of various intensity. H.H. Dydenko. Fiziol.zhur. 10 no.1:55-60 '64.

Changes in the serum proteins in persons working with gasoline and ethylated gasoline E.A.Mel'nikova, Z.G. Panasenko, T.A Artamonova. Nauch.trudy Kub gos. med.inst. 19·77-83 '62.

Effect of ultrasonic waves on the colloidal properties of the human blood serum. F.S.Okolov and others. Nauch.trudy Kub gos.med inst. 19·111-119 '62.

Effect of vibration on the colloidal properties of human serum proteins. F.S.Okolov, S Kh.Nikolov. Nauch. trudy Kub.gos.med.inst. 19;105-110 '62

Electrophoretic examination of the total blood protein and protein fractions. N.V.Petriashvili. Trudy Inst.eksp. i klin.khir.i gemat.AN Gruz.SSR 11;205-211 '63.

Intracellular crystalloid inclusions in multiple myeloma. N.E.Andreeva. Probl.gemat.i perel.krovi 8 no.8: 46-48 Ag '63.

Normal biochemical indices of the blood in experimental animals. T.M.Goderdzishvili, TS.I.Abakeliia. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11;213-217 '63.

Proteins in the blood serum in pregnancy toxicoses S.M.Niiazova. Akush.i gin. 39 no.5;38-42 S-O '63.

Proteins in the placenta and blood serum in women with late pregnancy toxicoses. E.L.Rybalko. Akush.i gin. 39 no.5;32-38 S-O '63.

C-reactive protein in tuberculous children. E.A.Astrova. Probl.tub. 42 no.1;49-51 '64.

Role of the spleen in the regulation of the protein composition of the blood serum. T.K.Valuieva, N.S. Kuznetsova. Fiziol.zhur.(Ukr.) 9 no.6;759-764 N-D '63.

Some trace elements and blood proteins in children with acute leukemia. O.M.Lago. Probl.gemat.i perel. krovi 8 no.8:37-41 Ag '63.

Test for C-reactive protein and the state of blood serum protein fractions in burn disease, clinical and laboratory comparison. V.F Mukhin, I.M Markelov. Lab.delo no.7:407-410 '64

BLOOD SUGAR

Adrenocorticotropic and insulotropic effects in the regulation of the blood sugar level in schizophrenia. A.L.Gamburg. Zhur.nevr.i psikh. 63 no.9:1398-1405 '63.

"Blood sugar" by L.G.Leibson. Reviewed by V.A.Bernshtein. Usp.sovr.biol. 55 no.2;313-315 Mr-Ap '63.

Change in the quantity of sugar in the blood of irradiated animals in fatal bloodletting. M.A.Movsesian, L.Kh. Barkhudarian. Vop.rent.i onk. 7;213-218 '63.

Comparative data on the effect of ginseng and Eleutherococcus on artificially raised level of blood sugar. I.I. Brekhman, T.P.Oleinikova. Mat.k izuch.zhen'.i drug. lek.rast.Dal'.Vost. no.5;249-251 '63.

Effect of adrenaline on the blood sugar level in animals suffering from acute radiation sickness complicated by hemorrhage. L.Kh.Barkhudarian. Vop.rent.i onk. 7;219-225 '63.

BLOOD TUMOR see Hematoma

BLOOD VESSELS

Effect of gravitational overloading on the structure of the vascular system. M.G.Prives. Arkh.anat.gist.i embr. 45 no.11;3-13 N '63.

BLOOD VESSELS—DISEASES

Vascular hypotension and neuroses. M.E.Telechevskaia. Trudy Gos.nauch.-issl.psikhonevr.inst. 29;247-256 '63.

Vascular obiliterating disease according to materials of the faculty's surgical clinic of the Volgograd State Medical Institute M.A.Mindlina Sbor nauch.rab stud.Volg.gos med inst no.1·66-72 '60.

BLOOD VOLUME

Changes in the circulating blood volume in irradiated rabbits and their resistance to blood loss M A. Movsesian. Vop.rent.i onk. 7:183-192 '63.

Methodology for determining the volume of circulating blood using polyglucin V.A Barbinov Lab delo no 7 421-423 '64

BOATBUILDING

Kurdenkov, K.N., and others. [We are building ships ourselves] Suda stroim sami. Leningrad, Sudostroenie, 1964. 114 p.

BOBROV DISTRICT—DISABILITY EVALUATION

Figures are not particularly encouraging. I Ziazin. Sots.obesp 24 no.12·34-35 D '63

BODY TEMPERATURE

Ataractic properties of the series of 4-mono- and 1,4-disubstituted pyrazoles K.S Raevskii, IU.M Batulin. Farm i toks, 26 no 5·551-556 S-O '63.

Changes in skin temperature and infrared radiation of the bodies of children during air-light baths under the climatic conditions of the Moscow area. V.G. Kochankov. Vop.kur.,fizioter i lech.fiz.kul't no.6, 488-497 '63

Changes in skin temperature under the influence of nitranol. N.I.IAgodkina. Khim i med. no.16,54-56 '61.

Differences in the temperature reaction in the paralyzed and normal halves of the body in spastic paralysis, Clinicofunctional comparisons. V.M.Matoshin, Zhur. nevr.i psikh. 63 no.9·1357-1360 '63.

Interrelationship of temperatures in the brain and in internal organs following craniocerebral hypothermia. L.I.Murskii, V.V Suvorov Nauch dokl vys.shkoly; biol.nauki no.3·62-67 '64.

BODY TEMPERATURE—REGULATION

Characteristics of the development of temperature regulation in voles during the first month after their birth N.V.Bashenina, E.M.Borovskaia Biul.MOIP.Otd biol. 68 no.3:34-45 My-Je '63

Some data on disorders of embryogenesis following changes in the body temperature of pregnant animals. N.A.Tripol'skaia. Akush.i gin 39 no.5;70-74 S-O '63.

Use of measurements of heat emission during sudden cooling in the evaluation of the state of thermoregulating mechanisms. G.D.Latyshev. Vop.kur.,fizioter i lech.fiz kul't no.5,510-516 '63

BOELZA, IGOR FEDOROVICH, 1904-

Our jubilarians: I.F.Boelza, Kh.V.Vaitullin, A.I. Ostrovskii. Sov.muz. 28 no.2·142-144 F '64.

BOILERS

Adjustment and experience in operating two-frame boilers with supercritical pressures and 250 Mw to 325 Mw. power ratings abroad. V.M.Maksimov Teploenergetika 10 no 12·84-87 D '63

Control of pulverized coal supply to individual burners. V.I.Maslov, IA F.Rabinovich Teploenergetika 10 no 12 88-89 D '63.

Determination of technical and economic indices of the operation of a 200 Mw.block using a control computer N.S Chernetskii and others. Teploenergetika 11 no.7,20-24 Jl '64.

Eliminating vibrational combustion in a cast-iron heating boiler converted to gaseous fuel. R.I. Esterkin, V.M.TSypin. Gaz.prom. 9 no.4;19-20 '64.

Experience in designing and operating once-through type boilers for blocks with 150, 200, and 300 Mw. ratings. V.M.Biman Energomashinostroenie 10 no.5;1-5 My '64.

Hydraulic resistance in the upward motion of a steam and water mixture in inclined pipes. R.I.Shneerova and others. Teploenergetika 11 no.7 24-26 Jl '64.

Installation of the head piece of the BKZ-210-140-PT boiler unit. V.A.Grishko. Energ.stroi. no.33;32-39 '63.

Melkliar, M.V. [Steam boilers of electric power plants] Parovye kotly elektrostantsii. Izd.3., perer. Moskva, Izd-vo "Energiia," 1964. 319 p.

[illegible] [M[illegible] Moskva, [illegible]

S.I.Ivianskii, V.I.Serik. Elek.sta. 35 no.5;20-24 My '64.

Special features in starting and operating the TGM-84 boiler on sulfur bearing mazut. M.T.Kruk, P.I IAnko, L.A Stepanov Elek sta 35 no.5,2-7 My '64.

Standardization of super-large boiler units V M Biman Teploenergetika 10 no 12 37-40 D '63

BOILERS—ABSTRACTS

[Boiler manufacture] Ref.zhur.: Kotlostroenie, Predmetnyi ukazatel'za 1963 g.

BOILERS—INCRUSTATIONS

Use of hydrazine for preventing incrustation formation N N.Man'kina, L.A.Meier, T.A Kaluzhskaia. Elek. sta. 35 no 5 14-17 My '64.

BOILERS—SAFETY REGULATIONS

Piterskov, N.I. [Safety manual for mechanics on the equipment of boiler systems] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnika po oborudovaniiu kotel'nykh ustanovok. Moskva, Stroiizdat, 1964. 37 p. (Tekhnika bezopasnosti v stroitel'stve)

BOILERS—WELDING

Study of the pliability of the welded connections of boiler steel A.Z Kontorovskii Teploenergetika 10 no 12· 64-65 D '63

BOILERS, MARINE

Buznik, V.M. [Marine steam boilers] Sudovye parovye kotly. Izd.2., dop. i perer. Leningrad, Sudostroenie, 1964. 383 p.

BOILERS, WATERTUBE

Rated-design and operational indices for a contact water economizer. I.Z.Aronov. Gaz delo no.6·29-32 '64.

BOILING POINTS

Temperatures of the fusion and boiling of salts. O.K. Sokolov. Izv.AN SSSR.Met.i gor.delo no.2·58-62 Mr-Ap '64.

BOKARO, INDIA—IRON AND STEEL PLANTS

Bokaro, a second Bhilai. V.Bol'shakov. Mezhdunar. zhizn' 11 no.9;124-125 S '64.

BOL'SHAYA GLUSHITSA REGION (KUYBYSHEV PROVINCE)—WHEAT

A beacon in the steppe. M.Glukhov. Zakup.sel'khoz. prod no 1,37-39 Ja '64

BOLTS AND NUTS

Bolt joints in elements of thermally hardened steel. L I.Gladshtein, I.V Levitanskii, V A Gorozhnyi Prom stroi 41 no 7 40-44 Jl '64

BOMBING, AERIAL

Fighter-bombers are in the air. M.Golyshev. Kryl.rod. 15 no.5;2-3 My '64.

BONDARSKII, BOGDAN STEPANOVICH, 1874-

Veteran of Soviet bibliography. IU.Grigor'ev. Bibliotekar' no 8·25-26 Ag '64

BONDS, CHEMICAL see Chemical bonds

BONES

Does "sinal" resorption of the bone occur? V.A. Talantov. Arkh.anat.,gist.i embr. 43 no.11;85-91 N '62.

BONES—DISEASES

Vinogradova, T.P. [Diagnosis of osteoarticular pathology by biopsy] Diagnostika kostno-sustavnoi patologii po biopsiiam. Moskva, Meditsina, 1964. 191 p.
(DNLM)

BONES—SURGERY

Review of M.V.Volkov's book "Primary bone tumors in children; diagnosis and surgical treatment". V.IA. Shlapoberskii. Vop.onk. 9 no.6;134-136 '63.

BONES—SYPHILIS

Casuistics of serious lesions of the bone system in late congenital syphilis. I.S.Glinskaia. Trudy Tadzh. med.inst. 50;203-206 '61.

BONES—TRANSPLANTATION

Neoplastic nature of osteoblastoclastoma. K.V.Daniel'-Bek, A.V.Talalaeva. Arkh.pat. 26 no.2;74-78 '64.

BONES—TUMORS

Late results of radiotherapy of a giant cell tumor of the bone (osteoblastoclastoma). L.A.Odesskaia-Mel'nikova, I.N.Odesskii. Vop.onk. 9 no.6;16-24 '63.

Review of M.V.Volkov's book "Primary bone tumors in children ;diagnosis and surgical treatment". V.IA. Shlapoberskii. Vop.onk. 9 no.6;134-136 '63.

BONUS SYSTEM

Important practice in the further development of the bonus system. I.Slavnyi. Fin.SSSR 38 no 6;13-19 Je '64.

[illegible] SYSTEM (Continued)

Improve the bonus system for the workers of planning organizations I Fedorova Plan khoz 41 no 6 85-87 Ag '61.

New standard regulations Sov profsoiuzy 20 no 14 43 Jl '64

BOOKBINDING

Lugovets, V. A. [Stitching and binding of modern foreign books, from the materials of the exhibitions of foreign books in Moscow during the period from 1956 to 1963] Broshiurovka i pereplet sovremennoi zarubezhnoi knigi; po materialam vystavok zarubezhnykh knig v Moskve 1956-1963 gg. Moskva, Vses. nauchn.-issl. in-t poligraficheskoi promyshl., 1963. 56 p.

BOOKS

Slukhovskii, M. I. [From the history of Russian book culture; the Old Russian book in international cultural relations] Iz istorii knizhnoi kul'tury Rossii, starorusskaia kniga v mezhdunarodnykh kul'turnykh sviaziakh. Moskva, Prosveshchenie, 1964. 241 p.

BOOKS—HISTORY

Four hundredth anniversary of Russian book printing. IU. IU. Gozenpud. Shvein.prom. no.2:1-3 Mr-Ap '64.

BOOKS—REVIEWS

Brief book reviews. Nov.mir. 39 no.4:280-284 Ap '63.

Brief book reviews. Nov.mir. 39 no 12 271-277 D '63.

Brief book reviews Nov mir 40 no.1 282-286 Ja '64.

Brief book reviews. Nov.mir 40 no.2:281-286 F '64.

Brief book reviews. Nov.mir 40 no 4:275-285 Ap '64

[Chronicle of reviews] Let.rets. no.3 '64.

BOOKS AND READING

Put the direction of reading on a theoretical basis N Kartashov Bibliotekar' no 7 40-43 Jl '64

BOOKSELLERS AND BOOKSELLING

Booklovers. L. Chernous'ko. Starsh.-serzh no 7:37 Jl '64

BOOLEAN ALGEBRA see Algebra, Boolean

BOOLEAN FUNCTIONS

Realization of Boolean functions using threshold devices. E.A.Butakov, A.D.Zakrevskii. Izv.AN SSSR Tekh. kib. no.1:39-49 Ja-F '64.

BOOTS AND SHOES

Shoe styles for the 1964 - 1965 season. V.R.Komarova. Kozh.-obuv.prom. 6 no.7.11-14 Jl '64.

BORACITE CRYSTALS

Dielectric properties of boracite single crystals. A. S. Sonin, I. S. Zheludev Kristallografiia 8 no.2:283-285 Mr-Ap '63

BORING

Approximate determination of the speed of percussive-rotary drilling I. V Makarov Izv Sib otd AN SSSR no 9 120-122 '62

Controlled-angle drilling of exploratory boreholes in the Ampalykii deposit. S.S.Sulakshin, V.M.Matrosov, B.I.Spiridonov. Razved.i okh nedr 30 no.2:30-33 F '64.

Economic evaluation of the practical usefulness of formulas for calculating parameters of boring and blasting operations in strip mines. G. P Moltusov, G. K Kotov, A. I. IAkovenko. Izv. vys. ucheb. zav.; gor zhur. 7 no. 3:54-58 '64.

Effect of depth on the mechanical speed of drilling S. M Kuliev, A M Abdulzaed, A. A Ibragimov. Dokl AN Azerb SSR 19 no. 3:13-18 '63.

Improving the technology and labor organization of loading rock and drilling holes in the sinking of vertical shafts E. G. Duda, I. N. Popov, N. R. Umnov. Trudy KuzNIIshakhtostroia no 1 20-30 '63

Mechanized boring of long blast holes. M. K. IAkunin. Mekh.i avtom.proizv. 18 no.1:6-7 Ja '64.

Results of the observation of the effect of various diameter boreholes and drillholes on blasting indices. N. T. Nugmanov, K. Kh. Tleuzhanov, M.S.Sapargaliev. Trudy Inst.gor.dela AN Kazakh.SSR 12:151-154 '63.

Some efficient parameters of boring and blasting operations with short-delay blasting during stone drifting in the Kuznetsk Basin. IU. V. Rudakov. Trudy KuzNIIshakhtostroia no. 1:41-53 '63

Technical and economic indices of the operation of various construction semiautomatic elevators during drilling of vertical and inclined boreholes. V.I.Zuikov. Razved.i okh.nedr 30 no.2:50-52 F '64.

Temperature aftereffects following jet piercing. A. V. Brichkin, V. I. Pogreb. Izv. vys ucheb.zav ; gor. zhur. 7 no. 3:89-95 '64.

Trends in the improvement of boring and blasting operations during mining. M. F. Drukovanyi, V. M. Komir, V. I. Il'in. Ugol' Ukr. 7 no. 9:55-56 S '63.

Using horizontal boreholes during the draining of strip mines. V.A.Mironenko. [Trudy] VNIMI no.47:207-215 '62.

BORING—FINANCE

Business accounting in drilling brigades, in order of discussion. V.I.Sergeev Razved.i okh.nedr 30 no 2:58-59 F '64.

BORING MACHINERY

(see also subdivision under Krivoy Rog Basin)

Advantages of auger mining in the Lvov-Volyn Coal Basin V T IArmoliuk Ugol' Ukr 7 no 12 26-28 D '63

Man'kovskii, G. I., ed. [Boring mine shafts with machines made by the Ural Factory for Heavy Machinery Manufacture] Burenie stvolov shakht ustanovkami UZTM Moskva, Izd-vo "Nedra," 1964. 131 p.

New design for drill collars. A D. Egorov and others Mash i neft obor no. 2.25-27 '63.

UGBKh-150 automotive rig for drilling hydrogeological wells. V.B.Orlov. Mash.i neft obor. no.4:3-4 '63.

Using straight cuts before drilling with a self-propelled drilling rig. M.T.Bakaev, V.I.Gubin, M.S Sapargaliev. Trudy Inst.gor.dela AN Kazakh.SSR 12:22-29 '63.

Vibration of the casing of a hammer drill N N Snezhkov. Sbor.nauch.trud KGRI no.10:242-247 '61

BORING MACHINERY—MAINTENANCE AND REPAIR

Operation of the SDG-1 bit-dressing machine O. F Nikonenko and others Sbor nauch.trud KGRI no 15 82-86 '63

BORING MACHINERY—RELIABILITY

Protecting drill pipes from wear by partial rubberizing V.G.Nikolaev Razved.i okh.nedr 30 no 2 53-54 F '64.

BORING MACHINERY—TESTING

Comparative evaluation of boring machines with sinker compressed-air drills. V. D. Legeza, I F Efremov. Izv vys.ucheb.zav., gor.zhur. 7 no 3:102-105 '64

Comparative evaluation of the efficiency of roller and pneumatic percussion boring machines. A.V.Brichkin, IU.I.Taranov. Trudy Inst.gor.dela AN Kazakh.SSR 12.30-36 '63.

Toothed roller core bit. I.I.Barabashkin, V.S.Travkin. Razved.i okh.nedr 30 no.2:33-38 F '64.

BORINGS

Experimental investigations of the effect of drilling parameters on the dimensions and shape of borings. A E Kuliev, F. M. Guseinov, A. I Ragimov. Azerb. neft.khoz. 43 no.3:15-17 Mr '64.

BORISLAV OIL FIELD—ANISOTROPY

Determining the anisotropy parameters of the Pomyarki experimental section of the Borislav oil field B. V. Pozinenko, E. S Romm Trudy VNIGRI no 228 173-179 '64.

BORISOGLEBSK—ASCARIDS AND ASCARIASIS

Unusual case of invasion of man by Ascaridia galli V.I. Luk'ianov. Med.paraz.i paraz bol. 32 no.4: 489-490 Jl-Ag '63.

BORISOV, ALEKSANDR FEDOROVICH

Beilin, A. M. [People's Artist Aleksandr Borisov] Narodnyi artist Aleksandr Borisov. [Leningrad, Lenizdat] 1964. 114 p. (Nashi sovremenniki)

BORISPOL' DISTRICT—CIVIL DEFENSE

The progress could have been more significant. E.Novitskii. Voen znan. 40 no.7:27 Jl '64.

BORN, MAX, 1882-

On one book by Max Born. M.E.Omelyanovskii. Vop. filos 18 no.6:171-176 '64.

BORON FLUORIDE

Interaction of boron trifluoride with sodium aluminum hydride. L.I.Zakharkin, D.N.Maslin, V.V.Gavrilenko. Zhur.neorg.khim. 9 no.6:1350-1357 Je '64.

BORON-IRON ALLOYS see Iron-boron alloys

BORON NITRIDES

Nitrogen solubility and the formation of nitrides in iron-boron melts. V. F. Isaev, A. N. Morozov. Izv.AN SSSR.Met.i gor.delo no.2:13-16 Mr-Ap '64

BORON ORGANIC COMPOUNDS

Production of polymers with dibenzoborimidazoline links in the main chain. N. A. Adrova, L. K. Prokhorova, M. M. Koton. Dokl. AN SSSR 158 no.1:130-132 S-O '64.

Thiaborolanes, new heterocyclic compounds of boron. B.M.Mikhailov, N.V.Mostovoi, V.A.Dorokhov. Izv. An SSSR.Ser.khim. no.7:1358-1359 Jl '64.

BORON PHOSPHATE

Effect of the temperature of boron phosphate preparation on its specific surface, acidity, and catalytic activity in the dehydration of alcohols. L.Kh.Freidlin, V.Z.Sharf, Z.T.Tukhtamuradov. Kin.i kat. 5 no.2.347-350 Mr-Ap '64.

BORON STEEL

Boron in low-carbon steel for deep drawing. D. A. Litvinenko. Stal' 23 no.4:357-361 Ap '64

BOROSILICATES

Electric conductance of glasses of the system Na_2O - B_2O_3 - SiO_2 in the fused state K A Kostonian, E M Avetisian Izv AN Arm.SSR Khim nauki 16 no.2:117-124 '63

Interaction of borosilicate melts and steel. IA.L.Belyi, G.I.Beliaev. Trudy DKHTI no.16 71-76 '62.

BORTNIKOV, G.

On the road. M Knebel'. Teatr 24 no 8:90 Ag '63

BOTANICAL APPARATUS

Chamber for studying basic physiological functions of leaves in artificial light. B.S Moshkov, G.A.Odumanova. Biul nauch.-tekh.inform po agron fiz. no 5/6: 49-53 '59.

BOTANY

(see also subdivision under Balkhan Range; Daghestan, Transbaikalia, Yaroslavl Province)

Brief news Biul.MOIP.Otd biol. 68 no 3:148-160 My-Je '63

BOTANY—ANATOMY

Special characteristics of the structure of the conducting system in the Georgian genistas. N. A. Aneli, A. IA. Shtromberg. Bot.zhur. 49 no.7:1018-1022 Jl '64.

BOTANY—ECOLOGY

(see also subdivision under Ural Mountain region)

Biological productivity of the main types of vegetation in the northern hemisphere of the Old World L E Rodin, N I Bazilevich Dokl AN SSSR 157 no 1:215-218 Jl '64.

BOTANY—EMBRYOLOGY

Conditions determining the development of monocotyledonous characters in the early embryogenesis of feather grasses M P Solntseva, M S IAkovlev Bot.zhur 49 no 5.625-633 My '64.

Disturbance of tissue differentiation in hybrid systems, in the embryos and endosperm of wheat and rye E. V Ivanovskaia Dokl.AN SSSR 157 no 1 219-222 Jl '64

BOTANY—MORPHOLOGY

Morphological nature and age-conditioned changes in the tillering section of the blue-hybrid alfalfa E IA Il'ina Bot.zhur 49 no 5 685-689 My '64

BOTANY—VARIATION

Bazavluk, V. IU. [Inherited heterogeneity of tissues in plants] Nasledstvennaia neodnorodnost' tkanei u rastenii. Moskva, Izd-vo "Kolos," 1964. 44 p.
DNAL

Biological effect of ionizing radiation on the variability of spring wheat during its conversion into winter wheat. V. K. Karapetian, A. E. Giulanian. Izv. AN Arm. SSR. Biol. nauki 15 no.12.33-43 D '62.

Characteristics of radiation-induced mutations in spring wheat as related to the type of radiation applied. P. K. Shkvarnikov, I. V. Chernyi. Izv. Sib. otd. AN SSSR no. 10 100-110 '62.

Hereditary transformation of color and changes in the DNA amount in Pekin ducks caused by injections of isolated erythrocyte nuclei from ducks of a different species. A. A. Chilingarian, E. F. Pavlov, L. P. Mkrtchian. Izv. AN Arm. SSR. Biol. nauki 15 no.12: 25-32 D '62.

BOTANY, ECONOMIC see subdivision under Siberia

BOTANY, MEDICAL

(see also subdivision under Kamchatka; Soviet Far East; White Russia)

Plants of the ginseng family as medicinal raw material N. I Suprunov. Mat.k izuch.zhen'.i drug.lek.rast. Dal'.Vost. no.5:201-209 '63.

BOTTLING MACHINERY

Experience in the packaging of cottonseed oil in bottles. A. U. Makhmudov, I. M. Ismailov Masl.-zhir.prom. 30 no.7:39 Jl '64.

BOUNDARIES

Klimenko, B. M. [State boundaries as a problem of peace] Gosudarstvennye granitsy - problema mira. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 136 p.

BOUNDARY LAYER

Fundamental equations of electrohydrodynamics for a laminar boundary layer and a laminar jet. V O. Kas'ianov. Dop.AN URSR no 8:1026-1031 '64.

Turbulent boundary layer of a free compressible gas jet in a cocurrent and counter flow. M. P. Teterin. Inzh. zhur. 4 no.2:330-336 '64.

Turbulent boundary layer on a permeable plate. I. P. Ginzburg. G.V.Kocheryzhenkov, N.I.Mordvinova. Vest.LGU 19 no.13.89-102 '64.

BOUNDARY VALUE PROBLEMS

Analog of Flamand's problem for an initially stressed viscoelastic medium. V.B.Zelenskii. Izv.vys.ucheb. zav.; mat. no.6:58-63 '63.

Analysis of large deviations in boundary value problems with arbitrary boundaries. Part 2. A. A. Borovkov. Sib.mat.zhur. 5 no.4.750-767 Jl-Ag '64.

BOUNDARY VALUE PROBLEMS (Continued)

Approximate method of solving the Dirichlet problem, and estimates of the rate of convergence of solutions of difference equations to solutions of elliptic equations with discontinuous coefficients. V IA Rivkind. Vest LGU 19 no 13:37-52 '64.

A class of singular integral equations and a generalized Carleman type boundary value problem. G S. Litvinchuk, E.G Khasabov. Sib mat.zhur 5 no.4 858-880 Jl-Ag '64

Differential properties of the solution to a mixed problem for a degenerate hyperbolic equation. F.T.Baranovskii Izv.vys.ucheb.zav ; mat. no 6:14-24 '63.

General boundary value problems with discontinuous boundary conditions. M.I.Vishik, G.I.Eskin Dokl AN SSSR 158 no.1 25-28 S-O '64.

Optimal functional equations of dynamic programming related to the new class of boundary value problems with "total derivatives." D.Mangeron. Soob.AN Gruz. SSR 33 no.3:521-528 Mr '64

Pattern of the cavitation flow of a heavy liquid O.V. Troepol'skaia. Izv.vys.ucheb.zav., mat. no.6:152-158 '63.

Reduction of Hilbert's problem for a multiply connected region to Hilbert's problem with a rational coefficient. E.I Zverovich. Dokl.AN SSSR 157 no 4:777-780 Ag '64.

Remarks on K Berzh's problem. IU I Liubich. Sib.mat zhur. 5 no.4:961-962 Jl-Ag '64.

Singular Tricomi problems for the equation $\eta^{\sigma} u_{\xi\xi} + u_{\eta\eta} - \mu^2 \eta^{\sigma} u = 0$ N I Bakievich Izv vys ucheb.zav., mat no 2:7-13 '64

Some boundary value problems for a mixed-composite equation. M M Smirnov Sib mat zhur, 5 no.4 923-928 Jl-Ag '64.

BOXING

[Boxing; a manual for children's sports schools and school collectives of physical culture] Boks; uchebnoe posobie dlia DSSh i shkol'nykh kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 254 p

Methods of studying motor skills in boxing. O.V.Petunin. Teor i prak.fiz.kul't. 27 no.5,37-40 My '64.

BRAIN

Changes of oxygen tension in dog brain tissues in a rarefied atmosphere. E.A.Kovalenko. Pat.fiziol.i eksp.terap. 6 no 4:18-24 Jl-Ag '62.

Cortical and subcortical interaction during analysor activity; some research results. S.P.Narikashvili. Fiziol.zhur. 49 no.11:1303-1309 N '63.

Disorders of glutamine synthesis and amidation of brain proteins in vitamin C deficiency. I.M.Zalesskaia, E.E.Martinson, L.I.Tiakhepyl'd. Vop.pit. 23 no.1, 17-21 Ja-F '64.

Effect of adrenalectomy and some steroid hormones of the adrenal cortex on the content of mineral components in the brain and muscles. M.N.Levchenko. Fiziol. zhur. 10 no.1,75-81 '64.

Effect of camphor on the respiration of brain tissue A.S.Saratikov, G.E.Barkovskaia Farm.i toks 26 no.2:189-192 Mr-Ap '63.

Effect of imipramin on the monoamine oxidase activity of the cat brain. R.A.Khaunina, I.P.Lapin. Vop.med. khim. 9 no.2;184-188 Mr-Ap '63.

Effect of vitamin C on the synthesis of glutamine and amidization of proteins in the brain. IU.M.Zalesskaia, E.E.Martinson, L.IA.Tiakhepyl'd. Vop.pit. 22 no.3-6-64 My-Je '63.

I.M.Sechenov's "Brain reflexes" and Russian physiological science in the 18th century and the first half of the 19th century. D.G.Kvasov. Fiziol.zhur. 49 no.11: 1277-1285 N '63.

Morphological characteristics of the evolution of the vertebrate brain. M.F.Nikitsenka. Vestsi AN BSSR. Ser. biial.nav. no.4;108-119 '62.

Somatic and psychic elements in cyclothymia and manic-depressive psychosis and the problem of cerebrovisceral interrelations. T.A.Nevzorova. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:145-155 '63.

Taste analysis in cats following the extirpation of sigmoid gyri. A.S.Batuev, L.A.Samoilova. Nauch dokl. vys.shkoly; biol nauki no.3;63-71 '64.

Therapeutic effect of anodic galvanization of the brain in prolonged pregnancy. L L.Levinson, S.N.Davydov. Akush.i gin 39 no.5;13-21 S-O '63.

BRAIN—BLOOD SUPPLY

Clinical and experimental study of cerebral circulation in the dynamics of intracranial hypertension. IU A. Zozulia, T.M.Sergienko. Zhur.eksp.i klin.med. 4 no.2;55-66 '64.

The effect of ACTH and cortisone on the tone of cerebral vessels. A.I.Naumenko, V.I.Klevtsov. Farm.i toks. 25 no.6:716-720 N-D '62.

Effect of some drugs used in the treatment of headache in hypertensive patients on the tone of cerebral vessels, experimental studies. T.IU.Liberman. Farm.i toks. 26 no.5:573-578 S-O '63.

BRAIN—DISEASES

Laughter as an equivalent of epilepsy. L.N.Pines. Zhur.nevr.i psikh. 63 no.9.1341-1346 '63

Unity of somatocerebral disorders in schizophrenia and other neuropsychic diseases based on data of clinical and immunological studies S.F.Semenov. Trudy Gos nauch.-issl.psikhonevr.inst 29:129-144 '63.

BRAIN—HEMORRHAGE

Nuclear hematomas in hypertensive cerebral hemorrhages I.M.Neplokh. Arkh.pat. 26 no.2:68-73 '64.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

Anan'ev, B.G., and B.F.Lomov, eds. [On the problem of the perception of space and spacial images, materials of a scientific conference] K probleme vospriiatiia prostranstva i prostranstvennykh predstavlenii, materialy nauchnogo soveshchaniia. Leningrad, Leningr. nauchno-issl. in-t pedagogiki Akad. pedagog. nauk RSFSR, 1959. 108 p.

[MICROFILM]

Development of the pregeniculate nucleus in man and its functional significance. N.S Preobrazhenskaia Zhur nevr i psikh 63 no.9 1368-1375 '63

Morphological data on intracortical connections of anterior and posterior limbic and motor areas of the cat brain. T.S.Sotnichenko. Arkh.anat.,gist.i embr. 43 no.8:3-10 Ag '62.

Possibility of establishing motor food conditioned reflexes after the destruction of caudate nuclei. M M Oleshko Fiziol zhur.(Ukr.) 9 no 6:813-816 N-D '63

Role of various regions of the brain in the reproductive functions of mammals N G Mikaelian Dokl AN Arm SSR 37 no 4 237-240 '63

Sechenov's predictions on internal analysors and the present state of knowledge pertaining to them. E.Sh. Airapet'iants. Fiziol.zhur. 49 no.11;1294-1302 N '63.

BRAIN—SURGERY

Method for local destruction of subcortical formations of the brain by freezing with liquid nitrogen. E.I.Kandel', G.R.Kuparadze, A.V.Kukin. Fiziol.zhur. 49 no.11:1378-1380 N '63.

BRAIN—TUMORS

Changes in the cerebrospinal fluid in cases of brain tumors M.I.Sulimov Sbor.nauch rab stud Volg gos med.inst. no.1 94-96 '60

BRAINSTEM

Choline-reactive structures of the mesencephalon; a pharmacological study. R.IU.Il'iuchenok, R.U.Ostrovskaia. Farm.i toks. 25 no.6:643-651 N-D '62.

BRAKES

Measures for increasing the efficiency of the mechanical brake of a drill winch. A.P.Buzdakov, D.V.Krepkov, G.M.Shakhmaliev. Za tekh.prog 3 no 11:27-31 N '63

BRASS—CORROSION

Corrosion cracking of brass products. N.A.Busho, P.G.Abramov, I.A.Demidova. Vest.TSNII MPS 23 no.4:38-40 '64.

BRATSK DISTRICT—GEOLOGY

Geology and hydrogeological conditions of the Angara-Vikhoreva interfluve. N.M.Bolotina. Mat.Kom po izuch.podzem.vod Sib.i Dal' Vost no.2;112-115 '62.

BRATSK DISTRICT (IRKUTSK PROVINCE)—WATER, UNDERGROUND

Geology and hydrogeological conditions of the Angara-Vikhoreva interfluve. N.M.Bolotina Mat.Kom.po izuch podzem.vod Sib i Dal'.Vost no.2;112-115 '62.

BRATSK REGION (IRKUTSK PROVINCE)—CONSTRUCTION EQUIPMENT—COLD WEATHER OPERATION

Some economic problems concerning the use of machinery at low temperatures. S A.Mekkel' Izv.Sib.otd AN SSSR no.7:3-10 '62

BRAZIL—POLITICS AND GOVERNMENT

Hidden aspects of a coup d'etat. Vsem.prof.dvizh. no.6;13-15 Je '64.

BRAZIL—SOCIAL CONDITIONS

Vladimirov, B.V., and G.M.Dobrov. [The arrow flies into the future] Strela letit v budushchee. [Moskva] Molodaia gvardiia, 1963. 126 p.

BREAD

Egorova, A.G., and others. [New strains of lactic acid bacteria for rye leaven preparation] Novye shtammy molochnokislykh bakterii rzhanykh zakvasok. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 34 p.

[MICROFILM]

Iodinated bread in the prevention of endemic goiter in Amur Province. A.I.Ostroglazov. Vop.pit. 23 no.1: 86 Ja-F '64.

Use of whey in bread making. S.I.Seferov, IIS Irkha, M.P.IAkhontova. Khleb.i kond.prom. 8 no 7;30-33 Jl '64.

BREAD—PRESERVATION

Shcherbatenko, V.V., N.I.Gogoberidze, and G.S. Zel'man [Preservation of bread freshness] Sokhranenie svezhesti khleba. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1962. 59 p.

[MICROFILM]

BREAKDOWN, ELECTRIC

Effect of diffusion processes on the breakdown voltage of "aged" porcelain N G.Drosdov, V N. Gatevskii, N.S Kostiukov Izv.vys ucheb.zav.,fiz. no 4 76-79 '64.

Electric breakdown in aqueous solutions of sodium chloride. N.P Mel'nikov, G.A.Ostroumov, M.IU Stolak Zhur.tekh.fiz 34 no 5.949-951 My '64.

Study of the pulse electric strength of some solid dielectrics of great thickness I I Kaliatskii, A I. Limasov Izv SO AN SSSR no 2. Ser tekh nauk no 1;78-84 '64.

Theoretical description of the electric corrosion process when one of the electrodes vibrates M K Mitskevich Dokl AN BSSR 8 no 2:127-129 F '64

BREAM—PARASITES see Parasites—Bream

BREAST—AGING

Involutional changes of the breast in the X-ray picture. N.N.Brazhnikov. Vop onk. 10 no.3;82-85 '64

BREAST—CANCER

Focal elephantiasis of the upper extremity following mastectomy in a patient suffering from elephantiasis of a lower extremity. E.I.Gol'denshtein. Vop.onk. 9 no.6:79-81 '63.

BREAST—DISEASES

(see also subdivision under Leningrad)

Treatment of mastitis by antibiotic injections. S.K. Sazykina Sbor nauch rab stud.Volg gos med inst no.1 79-87 '60.

Use of staphylococcal anatoxin in the treatment of mastitis. A.V.Bartels and others. Akush.i gin. 40 no.1;17-21 Ja-F '64

BREAST—RADIOGRAPHY

Involutional changes of the breast in the X-ray picture. N.N Brazhnikov. Vop.onk. 10 no.3:82-85 '64.

BREAST—WOUNDS AND INJURIES

Mitotic activity of the tissues of the breast following a trauma in noncastrated and castrated rats. E.N.Nikiforova. *Biul.eksp.biol.i med. 55 [i.e. 56] no.10,89-*92 O '63.

BREEDING

[Breeding work and artificial insemination of farm animals] Plemennoe delo i iskusstvennoe osemenenie sel'skokhoziaistvennykh zhivotnykh, sbornik statei. Moskva, Izd-vo "Kolos," 1964. 205 p.
(DNAL)

BREMSSTRAHLUNG

Study of the bremsstrahlung of P32 with the aid of a scintillation γ-spectrometer V.I.Lapchenkov Biofizika 8 no.1:117-122 '63.

BREWERIES—ACCOUNTING

Accounting for beer production by the extract. N.V. Leonovich. Trudy TSentr.nauch.-issl.inst.piv., bezalk.i vin.prom. no.10;122-129 '63.

BREWING

Micromalting as a means to evaluate the brewing capacity of barley. A.P.Zubenko, V.E.Samoilova. Trudy TSentr.nauch.-issl.inst.piv.,bezalk.i vin.prom. no.10;36-51 '63.

Use of paper chromatography for determining carbohydrates in wort and beer. L.G.Shmidt. Trudy TSentr. nauch.-issl.inst piv.,bezalk.i vin.prom. no.10;3-26 '63.

BRICK INDUSTRY see subdivision under Kattakurgan (Samarkand Province)

BRICK WALLS

Strength of vibrated brick panels. A.A.Adilkhodzhaev. Sbor.nauch.trud.NII po stroi.ASIA no.4:33-43 '63.

BRICKMAKING see subdivision under Ochakov (Nikolayev Province)

BRIDGE CIRCUITS

Gorodovskii, A.F. [D.C. bridges] Mosty postoiannogo toka. Moskva, Energiia, 1964. 86 p. (Elektroizmeritel'nye pribory, no.5)

Grinevich, F.B. [Automatic a.c. bridges] Avtomaticheskie mosty peremennogo toka. Otv. red. K.B.Karandeev. Novosibirsk, Red. izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 213 p.

Precision of differential measuring circuits with semiconductor thermistors M.A.Kaganov. Izm.tekh. no.3:33-36 Mr '64.

BRIDGES
(see also subdivision under Rybinsk)

Grishin, G.I. [New structures and the advanced technology of construction and assembly work in hydraulic engineering for harbor construction and bridge building] Novye konstruktsii i progressivnaia tekhnologiia stroitel'no-montazhnykh rabot v gidrotekhnicheskom portovom stroitel'stve i mostostroenii. Moskva, Mosk. zaochnyi stroitel'nyi tekhnikum transp. stroitel'stva, 1963. 56 p.
[MICROFILM]

The people thank them. I A Ivanchenko. Transp stroi 14 no 1 18-19 Ja '64

BRIDGES—DESIGN AND CONSTRUCTION

Advanced methods of design in the construction of bridges B E Ulitskii. Transp stroi. 14 no.1:39-41 Ja '64

IAkimenko, P.I., and V.M. Bochkov. [Construction of bridges] Stroitel'stvo mostov. Moskva, Transport, 1964. 285 p.

BRIDGES, ARCHED see subdivision under Australia

BRIDGES, CONCRETE
(see also subdivision under Moscow)

Effect of interruptions during concreting work on the formation of cracks in bridge seats I.I Denisov Transp.stroi. 13 no.10 54-56 O '63.

BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION

Pay more attention to the bridge industry I D Rasskazov. Transp.stroi 13 no.10-32-33 O '63

Technological progress and ways of increasing labor productivity in bridge building N M Kolokolov Transp stroi 14 no 1 13-16 Ja '64.

BRIDGES, IRON AND STEEL—TABLES, CALCULATIONS, ETC.

Tables for determining the number of high-strength bolts in joints of steel bridges. E.A. Gluzman. Transp.stroi 13 no 10:66 O '63

BRINES
(see also subdivision under Kuchuk, Lake)

Determination of the hardness of table salt, used salt and brine. A.S. Aleksandrovich-Mel'nikova, M.I Sorokina. Trudy Astr tekh inst ryb prom i khoz no 6:104-112 '62.

New coagulating agents for the acceleration of brine purification in the production of soda M.M Sav'ts'ka and others Khim.prom.[Ukr] no 3:32-35 Jl-S '63

BRIQUETS

Briquetting loess dolomite charges in the production of mineral wool. V.N.Kovalenko, O.A.Mikhailiants. Sbor.nauch.trud.NII po stroi.ASiA no.4 64-91 '63.

BRIQUETS (FUEL)
(see also subdivision under Soviet Far East; Tajikistan; White Russia)

Economics of the manufacture of coke briquets from gas, long-flame, and weakly-caking coals V.P Davydov, L V Semenov, N L. Fridman Trudy IGI 20 198-207 '63

Effect of cooling coal briquets on the physicomechanical properties of coke. N P.Kazakevich, P.A Shchukin, D.A.TSikarev. Trudy IGI 20.140-144 '63

Making coke briquets from a mixture of lignite and coal on a testing unit of continuous coking at the Institute of Mineral Fuel experiment station A.K Konovalov Trudy IGI 20:145-154 '63

Making coke briquets from weakly caking lean Bulgarian coals R.A Geguchadze, A I.Zakhariev Trudy IGI 20-155-158 '63

Making coke from briquetted fuel E.M.Taits, F.I Pokrovskaia Trudy IGI 20 189-197 '63

Plasticization of coal breeze by tar-containing gases. P.N Makhalov. Trudy IGI 20 218-228 '63.

Possibility of using vibration to intensify the heating and briquetting of coals. P A.Shchukin, V.S Sychev. Trudy IGI 20 215-217 '63.

Press with a mixing chamber for the molding of power plant fuel. P.Z Shubeko, Z A Nabutovskii, G.D Gaevskaia Trudy IGI 20 78-85 '63.

BRIQUETS (FUEL)—TESTING

Studying the stability of brown coal briquets. V.N. Krokhin. Obog.i brik.ugl no.26:44-50 '62.

BROACHING MACHINES

Surface smoothness of cast-iron parts machined with hard-alloy broaches. S.I.Zhitnitskii. Stan.i instr. 35 no.6:25-26 Je '64.

BROACHING MACHINES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Accessory tools and parts for broaching machines] Instrument vspomogatel'nyi i prinadlezhnosti k protiazhnym stankam (MN 102-63—MN 112-63; MN 5146-63—MN 5161-63). Moskva, Izd-vo standartov, 1964. 156 p. (SSSR. Normali mashinostroeniia)

BROMATES

Bromatometric determination of 1,5-naphthylaminesulfonic acid. R.M Dianitskaia. Nauch ezhegod Khim.fak Od un no.2 70-72 '61.

BROMIDES—THERAPEUTIC USE

Dynamics of hallucinotic manifestations in acute alcoholic psychoses following the introduction of bromide. R.Kh.Gazin. Trudy Gos.nauch.-issl.inst psikh. 40·100-117 '63.

BROMINE—PHYSIOLOGICAL EFFECT

Effect of bromine on secretory and situational conditioned reflexes in normal dogs and dogs exposed to X rays O.N.Voevodina. Farm.i toks. 26 no 2:145-149 Mr-Ap '63.

BRONCHI—BLOOD SUPPLY

Distribution and potential properties of the bronchial arteries in dogs with reference to shifts in external respiration. IU.A.Maksimuk. Arkh.anat., gist.i embr. 45 no.12:41-50 D '63.

BRONCHI—CANCER

Bronchoscopic picture in bronchopulmonary cancer G.K.Ordzhonikidze Trudy Inst eksp.i klin.khir.i gemat.AN Gruz SSR 11;57-60 '63.

BRONCHI—FOREIGN BODIES

Foreign bodies in the bronchi Z.P.Shelekhova. Probl. tub. 42 no.1:86-88 '64.

Metallic foreign body (knife fragment) in the left main bronchus. A.P.Kuz'michev, L.A.Stadnitskaia. Grud. khir. 5 no.5:92-94 S-O '63.

BRONCHI—INNERVATION

Innervation of the trachea and bronchi in cats R.A Askerov Dokl.AN Azerb.SSR 19 no.3:75-79 '63.

BRONCHI—MOTILITY

Observations on perverted respiratory mobility of the bronchi. S.A.Oganesian. Vop.rent i onk. 7.39-43 '63.

BRONCHI—RADIOGRAPHY

Metallic foreign body (knife fragment) in the left main bronchus. A.P.Kuz'michev, I.A.Stadnitskaia. Grud. khir. 5 no.5:92-94 S-O '63.

X-ray diagnosis of various forms of bronchiectasis. G.L. Vol'-Epshtein, L.S.Tapinskii. Grud.khir. 5 no.5:60-64 S-O '63.

BRONCHI—SURGERY

Importance of a ligation of the lobular bronchus in an atypical resection of the lungs. O.I.Burdzhanadze. Trudy Inst.eksp i klin.khir.i gemat.AN Gruz.SSR 11;66-69 '63.

Review of F.F.Amirov's book "Plastic surgery on the trachea and bronchi". N.S.Zheltikov. Grud.khir. 5 no.5;112-113 S-O '63.

BRONCHI—TUBERCULOSIS

Broncho-nodular perforations in tuberculosis. V.D. Gol'dshtein, P.I.Kurakov, M.I.Shtern. Probl.tub. 42 no.1;28-33 '64.

Effectiveness of different methods of endobronchial therapy in the complex treatment of patients with bronchial and pulmonary tuberculosis IU.M.Guzeev. Probl.tub. 42 no.1;34-39 '64.

X-ray and bronchoscopic parallels in the clinical aspects and diagnosis of tracheal and bronchial tuberculosis. N.IA.Kosova, Z.A.Shulaeva. Probl.tub. 42 no.1;22-28 '64.

BRONCHIECTASIS

X-ray diagnosis of various forms of bronchiectasis. G.L.Vol'-Epshtein, L.S.Tapinskii. Grud.khir. 5 no.5;60-64 S-O '63.

BRONCHOSCOPY

Broncho-nodular perforations in tuberculosis. V.D. Gol'dshtein, P.I.Kurakov, M.I.Shtern. Probl.tub. 42 no.1;28-33 '64.

Bronchological examination of children with chronic pulmonary tuberculosis. G.L.Feofilov, R.M.Perel'man, L.P.Khramova. Probl.tub. 42 no.1;16-21 '64.

Bronchoscopic picture in bronchopulmonary cancer. G.K.Ordzhonikidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11;57-60 '63.

Importance of bronchoscopic findings in resolving the problem of the operability of lung cancer. G.K.Ordzhonikidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz. SSR 11;61-64 '63.

X-ray and bronchoscopic parallels in the clinical aspects and diagnosis of tracheal and bronchial tuberculosis. N.IA.Kosova, Z.A.Shulaeva. Probl.tub. 42 no.1·22-28 '64.

BRONZE

Effect of γ-radiation on the rate of beryllium bronze aging. L.N.Bystrov, L.I.Ivanov Dokl.AN SSSR 157 no.1;147-149 Jl '64.

BRONZE—ANALYSIS

Analysis of bronzes with the FES-1 device. V.N.Vovk, I.A.Grikit. Zav.lab. 30 no.6;702-704 '64.

BRONZE AGE see subdivision under Armenia

BROWNIAN MOVEMENTS

Brownian movement with reflection and the problem with the inclined derivative. M.B.Maliutov Dokl.AN SSSR 156 no 6·1285-1287 Je '64.

Spin relaxation in Brownian rotation of paramagnetic complexes in fluids. R M.IUl'met'ev, K.A. Valiev. Izv.vys.ucheb.zav ; fiz no 1·85-93 '64.

BRUCELLOSIS IN SHEEP—PREVENTIVE INOCULATION

Effect of antibiotics on the formation of antibodies in immunizing sheep with brucellosis vaccine. G.A Shakarian and others. Izv.AN Arm.SSR.Biol.nauki 17 no 2;55-62 F '64

BRUNEI—FOREIGN RELATIONS—MALAYSIA, FEDERATION OF

Brunei petroleum and Malaysia IU Khrenov Az i Afr seg 8 no 6 22-23 Je '64

BRUNEI—PETROLEUM INDUSTRY

Brunei petroleum and Malaysia IU Khrenov Az i Afr seg 8 no.6.22-23 Je '64

BRUSHES, ELECTRIC—STANDARDS

Standardization of the makes of electric brushes. P.S Livshits Elektrotekhnika 35 no 5 27-30 My '64

BRYANSK—PHOSPHORUS INDUSTRY

Fundamentality is winning S.Pavlov. NTO 6 no 6 40-41 Je '64.

BRYANSK PROVINCE—INDUSTRIAL MANAGEMENT

Better utilization of potentialities. A.Pamfilov NTO 6 no 5;12 My '64.

BRYANSK PROVINCE—PUNCHED CARD SYSTEMS—AGRICULTURE

Practice in machine processing of statistical reports on agriculture M Nechaenko, V.Illarionova Vest stat no 6 53-61 '64.

BUCHENWALD (CONCENTRATION CAMP)

Courage and cowardice. E.Zvonitskii. Mol.komm. no.2;59-65 F '64.

BUCKWHEAT

Effect of reproduction conditions on the biological and economic indices of buckwheat. N.V Fesenko. Agrobiologiia no.1·149-151 Ja-F '64.

BUDAPEST—MUSIC—COMPETITIONS

In honor of Pablo Casals L Ginzburg. Sov muz. 28 no.1 71-74 Ja '64.

In memory of Leo Weiner Sov muz. 28 no 1·74-75 Ja '64

BUECHNER, GEORG, 1813-1837

The return of Georg Buechner. P.Taran. Teatr 24 no 12·147-148 D '63.

BUILDING

Mumortsev, N.D. [Organizing the work of constructing industrial and public structures; manual for drawing up a course project for students majoring in industrial construction and civil engineering] Organizatsiia proizvodstva rabot na stroitel'stve promyshlennykh i grazhdanskikh sooruzhenii; posobie po sostavleniiu kursovogo proekta dlia studentov spetsial'nosti promyshlennogo i grazhdanskogo stroitel'stva. Kuibyshev, Kuibyshevskii inzhenerno-stroitel'nyi in-t, 1960. 271 p.
[MICROFILM]

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref.zhur.· Stroi.i arkhit. 6 no.4 '64.

BUILDING—BIBLIOGRAPHY see Bibliography—Building

BUILDING—DETAILS

"Details for windows, doors, gates, and lantern casements." Biul.stroi.tekh. 20 no.7;8-10 Jl '63.

BUILDING—ESTIMATES

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Collection of supplemental standard district individual estimates for construction. Approved by the U.S.S.R. State Committee for Construction for use as of April 1, 1964] Sbornik dopolnitel'nykh raboty. Utverzhden Gosudarstvennym komitetom po delam stroitel'stva SSSR dlia primeneniia s 1 aprelia 1964 g. Moskva, Stroiizdat.
No. 10. 1964. 238 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Supplements and amendments to the "Standards and estimates for building, assembling, and repair work", 1960, and to the "Unified tariff qualification reference book for operations and for workers engaged in building and repair work" 1960] Dopolneniia i izmeneniia k "Edinym normam i rastsenkam na stroitel'nye, montazhnye, i remontno-stroitel'nye raboty" (ENiR) 1960 g. i k "Edinomu tarifno-kvalifikatsionnomu spravochniku rabot i professii rabochikh, zaniatykh v stroitel'stve i na remontno-stroitel'nykh rabotakh" (ETKS) 1960 g. Moskva, Stroiizdat.
No. 4. 1964. 97 p.

BUILDING—TECHNOLOGICAL INNOVATIONS

Efficiency experts suggest. Transp stroi. 13 no.10 69-70 O '63.

BUILDING—TERMINOLOGY

Book by A. Poppe "Materials for a dictionary of early Russian construction; from the 10th to the 15th century." O. V. Tvorogov Vop iaz. 12 no.4 141 Jl-Ag '63

BUILDING FITTINGS

Alekseev, N. S. [Commercial study of building wares] Tovarovedenie stroitel'nykh tovarov. Moskva, Ekonomika, 1964. 199 p

BUILDING INSPECTION

In the State Committees on Construction of the Union Republics Biul stroi tekh. 20 no.12 39-41 D '63

Isarov, G. Z. [Engineering inspector's manual] Pamiatka tekhnika-smotritelia. 2. izd , isp. i dop. Moskva, Stroiizdat, 1964. 70 p

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

(see also subdivision under Moscow)

Dolgopolov, N. N. [Electrophysical methods in the technology of building materials] Elektrofizicheskie metody v tekhnologii stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 301 p.

From the exhibition into industrial production. Inform. biul VDNKH no.2:21-23 F '64

Helpful book. P.P.Budnikov, M.A.Matveev. Stroi.mat. 9 no.5:38 Je '63.

Increase in the durability of building materials and structures. P.N.Khigerovich. Stroi.mat. 9 no.6:35 Je '63.

[Latest technological innovations are available to every construction project] Tekhnicheskie novinki - kazhdoi stroike. [Moskva] Mosk. rabochii, 1964. 134 p.

Relation between the structure and frost resistance of materials. S.A.Krzheminskii. Stroi.mat. 9 no.6:39 Je '63.

Utilizing nepheline pulp, lean in calcium oxide for needs of the construction industry. M.M.Gol'dman and others Trudy Inst.met.i obog AN Kazakh SSR 8:122-125 '63

The year that has past and the year to come. Transp. stroi. 14 no.1 1 Ja '64.

BUILDING MATERIALS—THERMAL PROPERTIES

Heat conductivity of "arbolite" in enclosing structures. P.N.Umniakov. Stroi.mat. 9 no.6:36-37 Je '63.

Small installation for determining the coefficient of heat conductivity of industrial samples of building materials. A.A.Sendetskii. Stroi.mat. 9 no.6:26-27 Je '63.

BUILDING MATERIALS INDUSTRY see subdivision under Uzbekistan

BUILDING MATERIALS INDUSTRY—EQUIPMENT AND SUPPLIES

Shtrom, V.V. [Equipment for the production of lightweight fillers] Oborudovanie dlia proizvodstva legkikh zapolnitelei. Moskva, Izd-vo "Mashinostroenie," 1964. 246 p.

BUILDING MATERIALS PLANTS see subdivision under Dzhetygara

BUILDING STONES

Madzhoian, K. A. [Basis of the vibration finishing of natural stone] Osnovy vibratsionnoi obrabotki estestvennykh kamnei. Erevan, In-t nauchno-tekhn. informatsii, 1963. 56 p.

[MICROFILM]

BUILDINGS—AIR CONDITIONING see subdivision under Italy

BUILDINGS, PREFABRICATED

Russia (1917- R. S. F. S. R.) Ministerstvo stroitel'stva. Glavnoe upravlenie po delam sel'skogo i kolkhoznogo stroitel'stva. *[Construction of livestock buildings from prefabricated elements]* Stroitel'stvo zhivotnovodcheskikh pomeshchenii iz industrial'nykh elementov. Moskva, Trest "Orgsovkhozstroi," 1963. 11 p.

[MICROFILM]

BULGARIA—BIBLIOGRAPHY

[New literature on Bulgaria] Nov. lit. po Bolg. no. 6 '64.

BULGARIA—CHEMICAL INDUSTRIES

Large-scale chemical industry in Bulgaria. Agitator no.10:14 My '64.

BULGARIA—COAL

Making coke briquets from weakly caking lean Bulgarian coals. R. A. Geguchadze, A. I Zakhariev. Trudy IGI 20 155-158 '63.

BULGARIA—DESCRIPTION AND TRAVEL

Kozhin, [illegible] Moskva, Izd-vo [illegible] "Ogonek," no. 25)

BULGARIA—ECONOMIC CONDITIONS

A centennial accomplished in a few years. IA Shavrov Mezhdunar zhizn' 11 no.9 12-19 S '64

BULGARIA—FOREIGN ECONOMIC RELATIONS—GREECE

Sofia and Athens I T Nov vrem 22 no 31·21-22 Jl '64

BULGARIA—FOREIGN RELATIONS—RUSSIA

A centennial accomplished in a few years IA Shavrov Mezhdunar zhizn' 11 no 9.12-19 S '64

Our commentary Nov vrem 21 no 30·5-6 Jl '64

BULGARIA—FRUIT FLIES

Fruit flies (Diptera, Trypetidae) of Bulgaria Ja Dyrlbek, K. Dyrlbek. Ent oboz. 42 no.4 845-854 '63

BULGARIA—GRAPES

Controlled nutrition of grapevine ovaries for the development of new forms Iordan K Ivanov Agrobiologiia no.1:69-76 Ja-F '64

BULGARIA—HISTORY

Pozolotin, M. E. [Freedom day, 20 years of People's Bulgaria] Den' svobody; narodnoi Bolgarii - 20 let. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 15)

BULGARIA—INDUSTRIES, LOCATION OF

Organization of work on the distribution of industries in Bulgaria and Czechoslovakia. A E. Probst. Izv AN SSSR Ser. geog no 4,142-145 '64

BULGARIA—JOURNALISM, MILITARY

New periodical of the Bulgarian People's Army. Komm. Vooruzh. Sil 4 no.7:93 Ap '64.

BULGARIA—MEDICINE, EXPERIMENTAL—CONGRESSES

First national conference on experimental medicine in Bulgaria. Kh. M. Marlov. Kardiologiia 2 no.6:87-89 N-D '62.

BULGARIA—MINE LIGHTING

Fixed lighting of coal mines in the People's Republic of Bulgaria. G.A.Anev. Ugol' 39 no.5:69-71 My '64.

BULGARIA—POLITICS AND GOVERNMENT

Pozolotin, M. E. [Freedom day, 20 years of People's Bulgaria] Den' svobody, narodnoi Bolgarii - 20 let. Moskva, Izd-vo "Znanie," 1964. 39 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia Mezhdunarodnaia, no. 15)

BULGARIA—STATISTICS

Achievements of the national economy of the Bulgarian People's Republic for 20 years. Vest stat. no. 8 90-96 '64.

BULGARIAN DRAMA—HISTORY AND CRITICISM

Synthesis of poetry and drama. Chavdar Dobrev. Teatr 24 no.8·125-128 Ag '63.

BULGARIAN PHILOLOGY—STUDY AND TEACHING

Course on the Bulgarian language and literature for foreigners offered at the "Kliment Okhridski" University in Sofia. Izv. AN SSSR. Ser. lit. i iaz. 23 no.1:72-73 Ja-F '64.

BULLS—FEEDING AND FEEDS

Optimal type of feeding male breeding stock. V. K. Milovanov, M. V. Sytina, V. G. Kuleshova. Trudy VIZH 26:70-87 '63.

BUNT (DISEASE OF WHEAT) see Smuts

BUREYA BASIN—COAL

Coking of Urgal coals at the Moscow Coal and Gas Plant. V. V. Opritov. Trudy DVFAN SSSR. Ser. khim. no. 6:34-38 '62.

Obtaining shaped metallurgical fuel for Urgal coals. L. B. Nepomniashchii, V. V. Opritov. Trudy DVFAN SSSR. Ser. khim. no. 6:22-28 '62.

BUREYA BASIN—COAL—TESTING

Investigating the coking capacity of Urgal and Suchan coals. E. A. Vinokurova, A. P. Voronchikhina, SH. P. Rutman. Trudy DVFAN SSSR. Ser. khim. no. 6:29-33 '62.

BUREYA BASIN—COAL PREPARATION—TESTING

[illegible] P. [illegible] khim, [illegible]

[illegible] treatment by means of flotation. Sh. P. Rutman, E. A. Vinokurova. Trudy DVFAN SSSR. Ser. khim. no. 6:97-101 '62.

BUREYA BASIN—COKE INDUSTRY—BY-PRODUCTS

Determining the output of coke by-products from Urgal and Suchan coals. A. P. Voronchikhina. Trudy DVFAN SSSR. Ser. khim. no. 6:39-43 '62.

BUREYA VALLEY—BIRDS

Boundary of the Chinese avifaunistic complex at the Bureya River A. B. Kistiakovskii, L. A. Smogorzhevskii. Nauch dokl vys shkoly; biol nauki no 3:26-29 '64

BURLA RIVER—WATER—COMPOSITION

Salt flow in the Burla River and salt accumulation in Lake Azhbulat M F. Liapunov. Izv. Sib. otd AN SSSR no 12 92-102 '62.

BURLAP—TESTING

Burlap fabrics with a new structure and their service characteristics. P. F. Chemagina. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6 87-94 '63.

BURMA—MEDICAL ASSISTANCE, RUSSIAN

A man finding his face. Igor' Mozheiko Az i Afr seg 8 no 7·36-39 Jl '64.

BURNS AND SCLADS

Complex therapy of burn shock. G. Sh. Vasadze, T. E. Kudritskaia. Pat. fiziol. i eksp. terap. 6 no.4·34-38 Jl-Ag '62.

Decomposition of tissue proteins in burns. T. L. Zaets, T. D. Gullamov, B. I. Lektorskii. Biul. eksp. biol. i med. 55 [i. e. 56] no.10:44-48 O '63.

Effect of immunotherapy on nitrogen metabolism in thermal burns in dogs. N. A. Fedorov, V. V. L'vova. Pat fiziol i eksp. terap. 6 no. 4:28-34 Jl-Ag '62.

Test for C-reactive protein and the state of blood serum protein fractions in burn disease, clinical and laboratory comparison V F Mukhin, I M Markelov Lab. delo no 7 407-410 '64

BURTASSES

Ethnogeny of the Burtasses, new documents and materials. M. I Zevakin Izv Vses. geog ob-va 96 no 3·213-220 *My-Je* '64.

BURYAT A.S.S.R.

Developing the production and use of perlite concrete elements and products using perlites from the Mukhortala deposit in the Buryat A.S.S.R. N. IA. Shportii, IA. I. Linetskii, I. M. Gindina. Sbor. trud. ROSNIIMS no. 25·160-165 '62.

BURYAT A.S.S.R.—EDUCATION

[Education in the Buryat A. S. S. R.; a collection of archival documents] Obrazovanie Buriatskoi ASSR, sbornik arkhivnykh dokumentov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 270 p.

BURYAT A.S.S.R.—GEOLOGY

Ochirov, TS. O. [Geology of the Gusinoye-Ivolginsk part of the Buryat A. S. S. R] Geologiia Gusino-Ivolginskoi chasti Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 154 p.

BURYAT A.S.S.R.—SOVIETS

Gurevich, B. S. [Citizens' general meetings (gatherings) in Buryatia] Obshchie sobraniia (skhody) grazhdan v Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 70 p.

BURYAT A.S.S.R.—THEATER

Creative maturity. L. Khodorkovskaia. Teatr 24 no.12:86-88 D '63.

BURYAT A.S.S.R.—VILLAGE COMMUNITIES

Gurevich, B. S. [Citizens' general meetings (gatherings) in Buryatia] Obshchie sobraniia (skhody) grazhdan v Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 70 p.

BURYAT A.S.S.R.—WATER, UNDERGROUND

Underground waters of the Buryat A. S. S. R. V. G. Tkachuk, V. M. Stepanov, M. A. Volkova Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:154-163 '62.

BURYATS

Gerasimova, K. M. [Revival movement of the Buryat Lamaist clergy, 1917-1930] Obnovlencheskoe dvizhenie buriatskogo lamaistskogo dukhovenstva, 1917-1930. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 178 p.

BUTADIENE

Copolymerization of pentenes with 2-methyl-1, 3-butadiene. S.I.Sadykhzade, T.I.Mamedov, S.IA.Salakhova. Azerb.khim.zhur. no.5:51-54 '63.

Methods for the elimination of heat during high-speed low-temperature polymerization of butadiene with styrene in emulsions. I. M Basiev, IA. B. Shainskii. Kauch. i rez. 23 no 7 24-28 Jl '64.

Obtaining butadiene-1, 3 by the oxidation dehydrogenation of butene in the fluidized bed. I. IA. Tiuriaev and others. Neftekhimiia 4 no. 2:190-193 Mr-Ap '64.

Production of chlorine-containing monomers by the condensation of hexachlorobutadiene with maleic anhydride and its esters. IU. G. Mamedaliev, M. M. Guseinov, E. M. Treivus. Azerb. khim. zhur. no. 5:39-43 '63.

Reaction of cyclohexane with 3-methylbutene-1 and 2-methylbutadiene-1, 3. L. Kh. Freidlin and others. Neftekhimiia 4 no. 2:246-251 Mr-Ap '64.

BUTADIENE (Continued)

Syntheses based on diene condensation Part 2: Condensation of vinylaryl ketones with some conjugated diene hydrocarbons. M.I.Shevchuk, N.I Ganushchak, A.V.Dombrovskii Zhur ob khim 34 no 7·2247-2250 Jl '64

Synthesis and use of butadiene-methacrolenic latexes Z M Rumiantseva and others Kauch i rez 23 no 7 7-10 Jl '64

BUTADIENE, EFFECT OF RADIATION ON

Radiolysis of tetrachloroethylene and hexachlorobutadiene. L M.Kogan, N S Rabovskaia, S I Vol'fkovich Dokl AN SSSR 157 no 1 127-130 Jl '64

BUTADIYNE

Character of alcohol addition to diacetylenic carbinols. B.P.Gusev, V F.Kucherov, Izv.AN SSSR.Ser khim no.7:1318-1319 Jl '64

BUTANEDIONE

Interaction of ether amides and phosphorous acid ether chlorides with diacetyl. V.A.Kukhtin, I P.Gozman. Dokl.AN SSSR 158 no.1:157-158 S-O '64.

Isolation of diacetyl forming Str. lactis V.M Bogdanov. Sbor ref nauch.rab VNIMP no 1 33-34 '55

Studying the biochemical properties of Str lactis A K Maksimova. Sbor ref nauch rab VNIMP no 1 35-44 '55

BUTANOL

Experimental study of diambutol, a new antituberculosis preparation. M.A.Breger, A.M.Chernukh. Biul. eksp. biol.i med. 55 [i.e.56] no.10:55-57 O '63.

BUTENE

Production of α-butylene by the dehydration of n-butyl alcohol on aluminum oxide A-1 Report No 5: Some problems of kinetics. I I.Pis'man, V.V Kas'ianov, M.A.Dalin. Azerb khim zhur. no.5 85-92 '63

Reaction of cyclohexane with 3-methylbutene-1 and 2-methylbutadiene-1,3. L.Kh.Freidlin and others. Neftekhimiia 4 no.2 246-251 Mr-Ap '64.

BUTENYNE

Chemistry of vinylacetylene. Report No.38· Hydrochlorination of vinylisopropenylacetylene, dimethylvinylethynylcarbinol, and dimethylvinylethynylchloromethane in the presence of various catalysts. S.A.Vartanian, Sh.O.Badanian, G.A.Musakhanian. Izv.AN Arm.SSR.Khim.nauki 16 no.1 19-29 '63.

Chemistry of vinylacetylene. Report No.39· Order of addition of chloromethyl ethers to vinylisopropenylacetylene and some transformations of obtained chloride S.A.Vartanian, L G Mesropian, A O.Tosunian Izv. AN Arm.SSR.Khim.nauki 16 no.2·137-144 '63.

Chemistry of vinylacetylene. Report No.45: Synthesis and conversion of vinylacetylenic amines (acetylene-allenecumulene rearrangement in vinylacetylenic systems). S.A.Vartanian, Sh.O.Badanian, A.V.Mushegian. Izv.AN Arm.SSR.Khim.nauki 16 no.6:547-557 '63.

Synthesis and properties of some compounds containing a vinylacetylene group. E.S.Lagucheva, L.V.Sal'nikova. Zhur.ob.khim. 34 no 7:2175-2177 Jl '64.

BUTTER

Improved technology for the production of cultured butter V M Bogdanov, V.I Sherahneva Sbor ref nauch rab. VNIMP no 1 23-25 '55.

Preparation of dry yeast cultures and liquid starter V M.Bogdanov, A.K.Maksimova Sbor ref nauch rab VNIMP no.1 30-32 '55

Studying some factors which determine the taste, flavor and keeping quality of cultured butter V I Shershneva. Sbor.ref.nauch rab VNIMP no 1·25-29 '55

Technological flow sheet for making butter with the Meleshin method A I Zheltakov, L.V.Shutova. Sbor ref nauch rab.VNIMP no 1.5-11 '55

BUTTER—ANALYSIS AND EXAMINATION

Analysis of the quality and keeping properties of creamery butter manufactured with the Meleshin method A I Titov, I I.Kulagina. Sbor.ref nauch.rab VNIMP no.1 11-18 '55

Protein and phosphatide composition of creamery butter made with the Meleshin method P F.D'iachenko, A.G Godel'. Sbor ref.nauch rab VNIMP no 1 18-20 '55

BUTTER—MICROBIOLOGY

Isolation of diacetyl forming Str. lactis. V.M Bogdanov. Sbor ref nauch rab.VNIMP no.1,33-34 '55.

Studying the biochemical properties of Str. lactis A.K. Maksimova Sbor ref.nauch.rab VNIMP no 1 35-44 '55

Use of antibiotics in the dairy industry. T.G Romanovich. Sbor.ref.nauch.rab VNIMP no 1 45-48 '55

BUTTER—STORAGE

Studying the factors affecting the keeping quality of butter during storage V I.Strik, A.G Godel', A.I.Titov. Sbor.ref.nauch.rab.VNIMP no.1 20-23 '55

BUTYL ALCOHOL

Improving the quality of n-butanol produced by synthetic rubber factories. K.K.Lebedev, I.F Chistov, M.A. Rakitina. Gidroliz i lesokhim.prom. 17 no 3 13-15 '64.

Production of α-butylene by the dehydration of n-butyl alcohol on aluminum oxide A-1. Report No.5: Some problems of kinetics. I I.Pis'man, V.V Kas'ianov, M.A.Dalin Azerb khim zhur no 5·85-92 '63

Proton relaxation in solutions of ternary butyl alcohol - water. O.F.Bezrukov, M.F.Vuks, IU I Neronov. Ukr fiz.zhur. 9 no.4:457-458 Ap '64.

BUTYNEDIOL

Catalytic hydrogenation and electrolytic hydrogenation of butynediol and its homologs. G.P.Khomchenko, V.M.TSintsevich, G.D.Vovchenko. Zhur.fiz khim. 38 no.2·496-500 F '64.

BUTYRIC ACID

Amino acids of the indole series, synthesis of γ-amino-β-(3-indolyl)-butyric acid. V.P.Mamaev, O.A.Rodina. Izv.Sib.otd.AN SSSR no.8 72-75 '62.

BUTYRIC ACID BACTERIA

Belousova, N N. [Butyric acid bacteria in the production of cheese] Maslianokislye bakterii v proizvodstve syra. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 16 p

[MICROFILM]

BUTYROPHENONE—THERAPEUTIC USE

Psychopathology of oneiroid catatonia treated with butyrophenones. IU.A.Aleksandrovskii. Trudy Gos nauch.-issl.inst.psikh. 40:202-206 '63.

BYALOVEZHSKA PUSHCHA see Belovezhskaya Pushcha

BYLINY

Anikin, V.P. [Russian heroic epos, a teacher's text] Russkii bogatyrskii epos, posobie dlia uchitelia. Moskva, Izd-vo "Prosveshchenie," 1964. 190 p.

BYLYRA VALLEY—WATER, UNDERGROUND

Hydrogeological conditions in the Ingoda-Bylyra interfluve of central Transbaikalia V M.Stepanov, L L. Bogdanova Mat Kom.po izuch.podzem vod Sib.i Dal'. Vost. no.2:186-194 '62.

CABBAGE see subdivision under Meshchera

CABBAGE—DISEASES AND PESTS

Preparations for controlling the gnawing pests of cruciferous plants. A.V.Filagina. Khim.v sel'.khoz. 2 no.4:31-33 Ap '64.

CABLES, SUBMARINE see subdivision under Baku Archipelago

CABLEWAYS

Experience in using cableways at a coal preparation plant. A.V.Volodin and others. Koks i khim. no 6: 12-15 '64.

Sliding of steel cables on pulleys and blocks V.A. Makhov. Izv.vys.ucheb.zav.; les.zhur. 6 no 3:77-88 '63.

CADMIUM

Convective stream concentration in the anodic dissolution of cadmium [with summary in English]. N.S.Fedorova, Zhur.fiz.khim. 38 no.2:287-289 F '64.

CADMIUM—HARDENING

Investigation of pore forming in cadmium during repeated hardening A P.Savitskii, L.K.Savitskaia. Fiz. met.i metalloved. 17 no.6,886-891 Je '64.

CADMIUM—THERAPEUTIC USE

Results in the treatment of cancer patients with semicarbazide and cadmium. A.I.Zernov and others. Vop. onk. 9 no.6:114-116 '63.

Results of clinical tests of treating cancer patients with cadmium iodide and semicarbazide hydrochloric acid. G.V.Kruglova. Vop.onk. 9 no.6:104-113 '63.

Results of semicarbazide-cadmium therapy in patients with malignant tumors in incurable stage. M.L.Volokhonskaia and others. Vop.onk. 9 no.6:92-104 '63.

Results of the treatment of patients with neglected cancer in the Leningrad District Military Hospital with preparations recommended by biochemist A.T.Kachugin. A.Tarasenko, G.Chekulaev. Vop.onk. 9 no.6:116-120 '63.

Some data on the results of treatment of cancer patients with cadmium iodide and semicarbazide hydrochloric acid at the Second United Hospital of the Moscow district of Leningrad. L.S.Vil'ner. Vop.onk. 9 no.6: 120-125 '63.

Use of cadmium iodide and semicarbazide hydrochloric acid in the treatment of bladder tumors. L.M.Rabkova. Vop.onk. 9 no.6:126-128 '63.

CADMIUM CHLORIDES

Electroconductivity method used in investigating complex formation in the systems $CdCl_2$ - KCl - H_2O and $CdCl_2$ - KBr - H_2O. A.V.Grineva and others Nauch. ezhegod.Khim.fak.Od.un. no.2:7-12 '61.

Refractometric study of complex formation in the system cadmium chloride - potassium bromide - water A.O Pozigun, N.A Goncharova, V.F Bakhmat Nauch. ezhegod Khim fak Od un. no 2 5-7 '61

Solubility in the ternary system $CdCl_2$ - KCl - H_2O. G.F Dmitrievskii, L I.Aleksandrova, A I.Pozigun Nauch ezhegod.Khim fak Od un no 2 12-15 '61

CADMIUM COMPOUNDS

Bonding refraction of potassium tetrahalocadmiate A I.Pozigun, T P.Anufrieva Nauch ezhegod Khim fak.Od.un no.2 46-49 '61.

Cadmium glycocholate A I.Pozigun. Nauch ezhegod Khim fak Od un no 2 31-36 '61.

CADMIUM HALIDES

Cryoscopic investigation of complex formation in the systems $CdCl_2$ - KCl - H_2O, $CdCl_2$ - KBr - H_2O and $CdBr_2$ - KBr - H_2O. E.M Belousova, N K Pavlenko, A I.Pozigun Nauch ezhegod Khim fak.Od un no.2 15-22 '61

Ternary reciprocal system consisting of chlorides and bromides of cesium and cadmium. I.I.Il'iasov. Zhur. neorg.khim. 9 no.6:1411-1415 Je '64.

Ternary reciprocal systems of the halides of sodium, potassium, and cadmium. I.I.Il'iasov, A.G.Bergman. Zhur.neorg.khim. 9 no.6:1416-1422 Je '64.

CADMIUM INDIUM TELLURIDE—OPTICAL PROPERTIES

Some optical properties of the ternary semiconducting compound $CdIn_2Te_4$. I.V.Potykevych, O.M.Biliaiev. Ukr.fiz.zhur. 8 no.9,967-969 S '63.

CADMIUM PLATING

Effect of temperature on the electrodeposition of cadmium from sulfate solutions. G.A.Emel'ianenko, T.T.Got'manova. Zhur.fiz.khim. 36 no.3:508-512 Mr '62.

Obtaining bright cadmium deposits from cyanide baths. M.A.Loshkarev, T.F.D'iachenko. Trudy DKHTI no.16: 35-42 '62.

CADMIUM SULFIDE, EFFECT OF RADIATION ON

Photomechanical effect in cadmium sulfide. N N. Novikov, N.IA Gorid'ko, A G.Rudenko Izv.vys. ucheb.zav.; fiz. no.4:22-25 '64.

CADMIUM SULFIDE CRYSTALS—DEFECTS

Disclosure of dislocations in cadmium sulfide and zinc sulfide single crystals. R V.Bakradze, I A.Rom-Krichevskaia. Kristallografiia 8 no.2 238-242 Mr-Ap '63

CADMIUM SULFIDE CRYSTALS—GROWTH

Alloying of large CdS crystals during their growth and some physical characteristics of the samples produced. N.I.Vitrikhovskii, I.B.Mizetskaia. Izv.AN SSSR.Ser. fiz. 28 no.8:1316-1317 Ag '64

Cadmium sulfide crystallization from cadmium halide solutions. L.A.Sysoev, IA.A.Obukhovskii, D.S. Bidnaia. Rost krist. 4,157-159 '64

CADMIUM TELLURIDE—ELECTRIC PROPERTIES

Comprehensive study of the properties of thin cadmium telluride layers. Part 5: Some methodological problems in studying the Hall effect in thin semiconductor layers with high specific resistance. E.Kucys. Trudy AN Lit.SSR.Ser B no.1:73-84 '62.

Comprehensive study of thin cadmium telluride layers. Part 1: Introduction, general questions of methodology, conductivity of thin cadmium telluride layers in strong electric fields. V.Tolutis, I.Jakuceviciene. Trudy AN Lit SSR Ser.B no.1 17-31 '62.

Comprehensive study of thin cadmium telluride layers. Pt. 2 Electric conductivity in weak electric fields and contact phenomena V Tolutis, E.Simulyte. Trudy AN Lit SSR. Ser.B no.1 33-50 '62.

CADMIUM TELLURIDE—OPTICAL PROPERTIES

Comprehensive study of thin cadmium telluride layers. Pt. 4. Optical properties. A.Sileika. Trudy AN Lit. SSR. Ser.B no.1 63-72 '62.

CADMIUM TELLURIDE—PHOTOELECTRIC PROPERTIES

Comprehensive study of thin cadmium telluride layers. Pt. 3: Photoelectric properties. K.Vplacka, V.Tolutis. Trudy AN Lit.SSR.Ser.B no.1 51-62 '62.

CAFFEINE

Effect of caffeine, ginseng and dibazol on the work of proofreaders. E.E.Belen'kii. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5:105-110 '63.

CALANOIDA see subdivision under Azov, Sea of; Black Sea

CALCITE see subdivision under Caucasus

CALCITE CRYSTALS—GROWTH

Growing calcite single crystals under hydrothermal conditions. N.IU.Ikornikova, V.A.Shorygin, I.A.Vasil'chikova. Rost krist. 4:92-94 '64.

CALCIUM see subdivision under Caucasus

CALCIUM—PHYSIOLOGICAL EFFECT

Ability of k-strophanthin and calcium to restore the activity in the frog's heart arrested by cortisone. A G. Saakian, M I. Kazanchev, V. P Kessel'. Farm. i toks 26 no 2:206-210 Mr-Ap '63.

Phosphorus distribution between the muscle and the environment in solutions with various calcium concentrations. L. N. Pisareva. TSitologiia 5 no. 4:420-427 Jl-Ag '63.

CALCIUM CHLORIDE

Combining the production of calcium chloride and soda R G. Pushkar Khim prom [Ukr] no 3:65-67 Jl-S '63

CALCIUM FLUORIDE

Free energy of the reaction of calcium fluoride formation M A. Mikhailov Izv. Sib otd AN SSSR no 9 116-117 '62

CALCIUM HYDROXIDE

Calcium hydroxide reaction with quartz glass and quartz sand at temperatures from 120° to 210°C. V. Slizys, I. Vaitkus. Trudy AN Lit SSR. Ser. B no. 1,161-168 '62

CALCIUM IN THE BODY

Determination of calcium and magnesium in the blood serum using sodium tripolyphosphate. E. I. Galkina, S. F. Zavgorodnyi. Vop. med. khim. 9 no. 2.207-209 Mr-Ap '63.

Determination of calcium in blood plasma by the flame photometry method S Kh Karymova Lab delo no 7 416 '64

CALCIUM SILICATE

Phasic composition of products of the interaction of β-dicalcium silicate with soda-aluminate solutions A S Berger, M. D. Tokreva. Izv Sib otd. AN SSSR no 9 71-79 '62

Stoichiometry and polymorphism of tricalcium silicate A. I. Boikova, N. A. Toropov. Dokl. AN SSSR 156 no. 6: 1428-1431 Je '64.

CALCULATING MACHINES

One can compute faster D. Gazin, V. Kozlova. Tekh. i vooruzh. no. 3:65-67 Mr '64.

CALCULI, URINARY

(see also subdivision under Tajikistan)

Fate of the patient with nephrolithiasis of a solitary kidney. A. M. Voino-IAsenetskii. Urologiia no. 1:11-15 '64.

Some problems of the diagnosis and treatment of nephrolithiasis in children. V. N. Dunchik. Trudy Tadzh. med. inst. 50,143-151 '61.

Submerged intestinal lavage and intestinal irrigation without a bath in nephrolithiasis. P. K. Shaposhnikov. Vop. kur., fizioter. i lech. fiz. kul't no. 6 536-541 '63.

Unusually large calculus of the left ureter simulating an ovarian tumor. L. IA Reznikov Akush i gin. 39 no. 5:150 S-O '63.

CALCULUS OF PREDICATES

Unsolvability of certain theories. IU. L. Ershov, M. A. Taitslin. Alg. i log. 2 no 5:37-41 '63.

CALCULUS OF TENSORS

Somilian-type formula for an n-dimensional Lamé equation M. Ztiakhodzhaev Izv. AN Uz SSR Ser. fiz.-mat. nauk 7 no. 5:30-36 '63.

Tensor functions of a polar and axial vector that are compatible with the textural symmetry. IU. I. Sirotin. Prikl. mat. i mekh. 28 no. 4:653-663 Jl-Ag '64.

CALCULUS OF VARIATIONS

Variational formulation of a problem involing the motion of a liquid in a vessel of finite dimensions. A. A. Petrov. Prikl. mat. i mekh. 28 no. 4:754-758 Jl-Ag '64.

CALENDARS see subdivision under Japan

CALLISTHENICS

Attention, callisthenics in industry! V. Smurygin. Sov. profsoiuzy 20 no 14:30-31 Jl '64.

Cherniakhovskii, A. L. [Only ten minutes] Vsego 10 minut. Moskva, Fizkul'tura i sport, 1964. 58 p. (Bibliotechka "Fizkul'tura i sport," no. 6)

CALORIMETERS

Adiabatic calorimeter of small volume for the determination of true heat capacities within the temperature range of 12 to 340°K. V. P. Kolesov, E. A. Seregin, S. M. Skuratov. Zhur. fiz. khim. 36 no. 3:647-651 Mr '62.

CALORIMETRY

Benzoic acid for calorimetric determinations. V. S. Uskov, B. N. Oleinik. Izm. tekh. no. 3:31-33 Mr '64

CALVES

(see also subdivision under Krasnoyarsk Territory)

Penetration of ultraviolet rays through the hair coat of calves D. A. Ustinov, I. I. Kozunin. Trudy VIZH 25: 212-215 '63.

Raising healthy calves from cows infected with paratuberculosis T. R. Gainullin Veterinariia 41 no. 4:39 Ap '64.

CALVES—DISEASES AND PESTS see subdivision under Armenia

CALVES—FEEDING AND FEEDS

Raising Yaroslavl heifers on various amounts of milk. N I Kleimenov Trudy VIZH 25:63-69 '63

CALVINISM

Social and economic basis of Calvinism B A. Kamenetskii Vop ist 39 no 7 199-200 Jl '64.

CAMELS—DISEASES AND PESTS

Susceptibility of camels to various types of Mycobacterium tuberculosis L P Abramov Veterinariia 41 no 4 19-20 Ap '64

CAMEROONS—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

Bonn on a river of shrimp I Ol'ginskii Az i Afr seg 8 no 7 20-21 Jl '64

CAMPHOR

Anisotropy of the fusing of o-nitrophenol in saturated camphor vapors. P. A. Savintsev, A F. Naumov Rost krist. 4:45-47 '64.

CAMPHOR—PHYSIOLOGICAL EFFECT

Effect of camphor and strophanthin on the cardiovascular system. A. S. Saratikov, L. P. Alekseeva Farm i toks. 26 no. 5,584-589 S-O '63

Effect of camphor on the respiration of brain tissue A. S. Saratikov, G. E. Barkovskaia Farm. i toks 26 no. 2:189-192 Mr-Ap '63.

CAMPS see subdivision under Krasnodar region; Moscow Province

CANADA—ESKIMOS

Tragedy of the Ihalmiut. N Bolotnikov Nov. mir 39 no. 12:266-268 D '63

CANADA—FLAGS

The Canadian flag and other problems, from the editor's mailbox. Nov. vrem 22 no 35:28-29 Ag '64

CANADA—NATIONALITIES

The Canadian flag and other problems, from the editor's mailbox. Nov. vrem 22 no. 35:28-29 Ag '64

CANADA—PETROLEUM INDUSTRY

Brief news G. K. Maksimovich Neft. khoz. 42 no. 7: 72-74 Jl '64

CANADA—PLASTICS IN BUILDING

Temporary plastic roofs covering construction work in winter. IU. K Gerasimov. Prom stroi. 41 no. 7 47-48 Jl '64

CANADA—UKRAINIANS

With Shevchenko in life and struggle. P. Prokopchak. Komm. Ukr. 39 no. 3:62-65 Mr '64.

CANCER

Critical remarks. A. G. Baranova. Vop. onk. 9 no. 6: 126-128 '63.

Data on the mechanism of protein synthesis in liver microsomes and transplanted tumors in rats. S. IA. Davydova, G. A. Drozdova. Vop. med. khim. 9 no. 2. 161-167 Mr-Ap '63.

Detection of tumorous cells in the blood of patients with cancer. V. A. Fanardzhian, G A. Arzumanian, G. A. Danelian. Vop rent. i onk. 7:267-271 '63.

Effect of dibazol and adaptation to cold and muscular work on animals with the Ehrlich tumor. V. IA. Rusin. Vop. onk. 9 no. 6:60-66 '63.

Lymphatic capillaries of the mucosa of the appendix with transplanted cancer. A. L. Rotenberg. Arkh. anat., gist. i embr. 43 no. 8:96-98 Ag '62.

Metabolic heterogenicity of messenger RNA from Ehrlich ascitic cancer cells. G. P. Georgiev, M. I. Lerman. Vop. med. khim. 9 no. 2:216-220 Mr-Ap '63.

Metastatic spreading of Brown-Pearce tumors in the presence of functional changes of the liver. L. K. Podzei. Pat. fiziol. i eksp. terap. 6 no. 4 76-78 Jl-Ag '62.

Pathogenic role of the mammary gland secretion. S. S. Atanasian. Vop. rent. i onk. 7 305-310 '63.

Psychopathological syndromes in malignant tumors of internal organs. Z. P Zubareva. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:369-381 '63.

Radiation as one of the possible causes of carcinogenesis. IU. IA. Kerkis. Izv. Sib. otd. AN SSSR no. 10:125-138 '62.

Some peculiarities of metastasization of rat sarcoma SSR following inoculation under the skin of the tail. L. L. Maliugina, N. R. Miuller. Vop. onk. 9 no. 8:56-59 '63.

Therapeutic and cytotoxic action of antibodies and their role in the pathogenesis of cancer. I. N. Maiskii and others. Usp. sovr. biol. 55 no. 2:219-238 Mr-Ap '63.

CANCER—ABSTRACTS

[Journal of abstracts; *Problems of oncology of the All-Union Scientific Research Institute of Medical and Medicotechnical Information of the Academy of Medical Sciences of the U.S.S.R.*] Ref. sbor.; Vop. onk. no 1 '64.

(DNLM)

CANCER—DIAGNOSIS

Comparative data on cytologic and histologic studies of tumors. G. A. Arzumanian, Sh. A Papazian. Vop. rent i onk. 7:343-348 '63.

CANDER—TRANSPLANTATION

Biological and antigenic properties of the rabbit Brown-Pearce tumor passed on tolerant rats. R. M. Radzikhovskaia. Vop. onk. 9 no. 6,52-55 '63.

Blastomogenic action of human sarcoma tissue extracts on rats. A. I. Ageenko. Vop. onk. 9 no. 6 42-51 '63.

Changes in depolmerase activity of nucleic acids in rats with transplantable tumors under the influence of ethylenimine derivatives. V. A. Chernov, Zh. F. Presnova. Vop. onk. 9 no. 6:70-78 '63.

Changes in thrombocytes and megakaryocytes in rats during the growth of transplanted tumors. G. N. Prizhivoit Vop. onk. 10 no. 3:46-51 '64.

Effect of intra-arterial administration of diodone on transplantable rabbit sarcoma. V. I. Ivanov, K. A. Pavlov. Vop. onk. 9 no. 6:67-70 '63.

Review of A. I. Ageenko's book "Heterotransplantation of malignant tumors". A. M. Garin. Vop. onk. 9 no. 6. 133-134 '63.

CANCER RESEARCH

Change in the antigen properties of human embryonal tissue during prolonged cultivation. A. M. Eroshkina, V. N Kolmykova. Vop onk. 10 no. 3:27-33 '64.

Distribution of the infectious virus and viral antigen in the body of rats and mice infected with Rous virus. I. N. Kriukova, I. B. Obukh. Vop. onk 10 no. 3:3-8 '64.

Dynamics of the development of late metastases of ascitic tumors in rats. N. S. Kiseleva, V. V Panikarovskii Vop onk 10 no. 3:41-46 '64.

Effect of ribonucleic acid on the growth of tumor cells. V. A. Artamonova, T. I. Tikhonenko, T. D Morgunova Vop. onk. 10 no. 3:22-26 '64.

Fluorescence of esophageal and stomach tissues under the action of ultraviolet light. A V. Kariakin, IU E Berezov, I. N Anisimova Biofizika 8 no. 1:129-130 '63.

In vitro and in vivo study of the cytotoxic effect of cellular and humoral isoantibodies Report No. 1: Cytotoxic effect of humoral isoantibodies from cells resistant to sarcoma in mice. B. D Brondz. Vop. onk. 10 no. 3:9-16 '64.

Involutional changes of the breast in the X-ray picture. N. N. Brazhnikov. Vop. onk. 10 no. 3:82-85 '64.

Morphologic relation of the mitochondria and the ergastoplasmatic network in the cells of Ehrlich's ascitic carcinoma V. M. Mitiushin Biofizika 8 no. 1:58-61 '63

Morphological characteristics of induced tumors in suslika. L. K. Sharashidze, R. V. Buluasahvili. Trudy Inst eksp. i klin. khir. i gemat AN Gruz. SSR 11:121-123 '63.

Possible errors in evaluating the degree of malignancy of tumors by radiophosphorus P^{32} V. V Volkov Dokl AN SSSR 157 no 1 183-186 Jl '64

Results of clinical tests of treating cancer patients with cadmium iodide and semicarbazide hydrochloric acid. G. V. Kruglova. Vop. onk. 9 no. 6:104-113 '63.

Results of semicarbazide-cadmium therapy in patients with malignant tumors in incurable stage. M. L. Volokhonskaia and others. Vop. onk. 9 no. 6:92-104 '63.

Results in the treatment of cancer patients with semicarbazide and cadmium. A. I. Zernov and others. Vop. onk. 9 no. 6:114-116 '63.

Results of the treatment of patients with neglected cancer in the Leningrad District Military Hospital with preparations recommended by biochemist A. T. Kachugin. A. Tarasenko, G. Chekulaev. Vop. onk. 9 nr
120 '63.

Some data on the results of treatment of canc
with cadmium iodide and semicarbazide hyd
acid at the Second United Hospital of the Mi
trict of Leningrad. L. S. Vil'ner. Vop.
120-125 '63.

CANCER RESEARCH—CONGRESSES

Cancerogenesis; review of the materials
International Cancer Research Congres
Vop. onk. 9 no. 6:3-8 '63.

CANCEROGENIC COMPOUNDS see Carc

CANDIDA (FUNGUS)

Lipids of asporogenic yeastlike fungi of
dida. N. P. Elinov, N. A. Zaikina. Vo
no. 2:177-180 Mr-Ap '63.

CANNING AND PRESERVING

Kravtsov, I. S. [Home canning and prese
products] Domashnee konservirovanie
produktov. Odessa, Izd-vo "Maiak," I

Tiazhel'nikov, A. D. [Advice to Siberian
Sovety sibirskim sadovodam. [Tomsk]
skogo univ., 1963. 108 p.

(DNAL)

CANNING INDUSTRY—EQUIPMENT AND

Gurchenko, Z. K., and others. [Mechan
milk plants] Mekhanizatsiia molochnok
dov. Moskva, TSentr. in-t nauchno-te
pishchevoi promyshl., 1963. 77 p.
[MICRC

CANOES AND CANOEING

Gavrilov, V. N., and N. V. Zhuarev. [*Canoes and canoeing*] Grebliа na baidarkakh i kanoe Khar'kov, Izd-vo Khar'kovskogo gos univ im A. M. Gor'kogo, 1964. 175 p

CAPACITORS see Condensers (Electricity)

CAPILLARIES

Effect of nitranol on the cutaneous capillaries in disorders of coronary circulation O V. Pavlova. Khim i med [illegible] 38-64-61 '61.

CAPILLARIES—DISEASES

[illegible] capillary toxicosis in children. R.S. [illegible], M.S. Gubin [illegible]. Trudy Tadzh med. inst. [illegible] '61.

CAPILLARITY

Theory of [illegible] molecular pressure drop and thermotranspiration (thermal osmosis) of gases in moderately wide capillaries B V Deriagin, IU I IAlamov Dokl AN SSSR 157 no 4 940-943 Ag '64.

CAPITAL

Val'tukh, K. K. [Production fund cycle and the turnover of capital assets of an enterprise] Krugooborot i oborot fondov predpriiatii. Moskva, Ekonomika, 1964. 196 p

CAPITAL INVESTMENTS

Calculating [illegible] for capital investments in complex [illegible] R Tikidzhiev E Shapiro Plan khoz 41 [illegible] -44 Ag '64

Determination of the economic effectiveness of capital investments in petroleum refining E A Shapiro Neftepер i neftekhim no 5 21-26 '63

Determining the economic efficiency of new equipment where there is an increase in the volume of production. A. I Shuster Sbor nauch inform Nauch sov. po eff. osn. fond kap vlozh i nov tekh AN SSSR no 4 88-92 '63

Developing norms for specific capital expenditures. V P Krasovskii Sbor. nauch inform Nauch. sov. po eff osn fond. kap volozh i nov. tekh AN SSSR no. 4: 19-25 '63

Economic nature of the efficiency coefficient and the factors of its branch differentiation A. A Beschinskii Sbor. nauch inform Nauch sov. po eff. osn fond kap. vlozh i nov tekh AN SSSR no. 4;26-33 '63.

Establishing standard coefficients for the efficiency of capital investments. T.S. Khachaturov. Sbor. nauch. inform Nauch sov po eff. osn fond. kap. vlozh i nov. tekh AN SSSR no. 4 3-17 '63

"Methods and practice of determining the economic efficiency of capital investments and the new technology." Reviewed by A S Konson. Vest AN SSSR 34 no 7-123-125 Jl '64

Methods for determining the economic efficiency of capital investments and new equipment. T. P. Volkova. Sbor nauch. inform Nauch. sov. po eff. osn fond, kap, vlozh. i nov tekh AN SSSR no. 4.123-126 '63.

CAPITAL INVESTMENTS—BIBLIOGRAPHY see Bibliography—Capital investments

CAPITAL INVESTMENTS—RESEARCH

Coordinating conference on the research plan for 1963. Sbor. nauch inform. Nauch. sov po eff. osn. fond. kap. vlozh i nov tekh AN SSSR no. 4:93 '63

Directive of the coordinating conference on the research plan for the economic efficiency of capital assets, capital investments and new equipment for 1963. Sbor. nauch. inform. Nauch. sov po eff. osn. fond kap. vlozh. i nov. tekh AN SSSR no. 4:116-119 '63.

Statements at the coordinating conference. Sbor. nauch. inform Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekh. AN SSSR no. 4;93-115 '63.

Work of the Section of the Economic Efficiency of Capital Investments and New Equipment of the Institute of Economics of the Academy of Sciences of the U.S.S.R T. A. Zaitseva. Sbor. nauch. inform Nauch. sov. po eff. osn fond. kap. vlozh i nov tekh. AN SSSR no 4:120-122 '63.

CAPITALISM

(see also subdivision under Germany; Germany, West)

Capitalism in the last 100 years (conclusion). Mir. ekon. i mezhdunar. otn. no. 8;61-74 '64.

Kiselev, I. IA. [Capitalism and the working youth] Kapitalizm i rabochaia molodezh'. Moskva, Ekonomika, 1964. 165 p.

Kozak, V. E. [*G. V. Plekhanov* on the development of industrial capitalism and the condition of the proletariat in Russia] G. V. *Plekhanov o razvitii promyshlennogo* kapitalizma i polozhenii proletariata v Rossii. Kiev, Izd-vo Akad. Ukrainskoi SSR, 1964. 174 p.

Kozlov, G. A. [*Operation* of the law of value in the conditions of modern capitalism] Deistvie zakona stoimosti *v usloviiakh sovremennogo* kapitalizma. Moskva, Mysl', 1964. 398 p.

Peaceful coexistence of countries with different social systems and the ideological crisis of contemporary capitalism. A. Gede. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 1;29-36 '64.

Razin, V. I. [Marxism-Leninism on the break-down of the exploitational state machine] Marksizm-leninizm o slome ekspluatatorskoi gosudarstvennoi mashiny. [Moskva] Izd-vo Mosk. univ., 1964. 50 p.

What is the general crisis of capitalism? F. Sheliakin. Komm. Vooruzh. Sil 4 no. 7:86-88 Ap '64.

World capitalism and underdeveloped countries. G. Mirskii. Mir ekon. i mezhdunar otn. no. 8 151-154 '64.

CAR WHEELS—DEFECTS

Ways of reducing wheel discards because of angular segregation. V. I. Lapitskii and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;84-89 '64.

CAR WHEELS—TESTING

Evaluating the quality of the formation of car wheel pairs. N. I. Martynov. Vest. TSNII MPS 23 no 4:7-11 '64.

CARBAMIC ACID

Sulfanilides. Part 11: Methyl esters of N-arylsulfonyl-N-phenylcarbamic acid. Z. F. Solomko, L. P. Glushko, M S. Malinovskii Zhur. ob. khim. 34 no. 7;2392-2394 Jl '64

Using carbine for controlling wild oats in wheat fields. V. A. Zakharenko. Agrobiologiia no. 1:153-155 Ja-F '64.

CARBAMIC ACID—TESTING

Results of testing carbine in the northern Virgin Territory. E. A. Mart'ianova. Khim. v sel' khoz. 2 no. 4. 47-48 Ap '64.

CARBAZOLE—SPECTRA

Phosphorescence spectra and vibrational structure of carbazole molecules. V V. Trusov, P. O. Tepliakov. Ukr. fiz. zhur. 8 no. 9 1008-1012 S '63.

CARBIDES

Kinetics and mechanism of the carbidizing treatment of iron catalysts for synthesis from CO and H_2. A. IA. Rozovskii and others. *Neftekhimiia 4 no. 2;269-271* Mr-Ap '64.

CARBIDES—ANALYSIS

Dendritic heterogeneity and chemical composition of carbides in cast EI481 steel. P. M. Zhurenkov, T. V Egorshina. Izv. AN SSSR Met. i gor. delo no. 2;105-109 Mr-Ap '64.

CARBIDES—THERMODYNAMICS

Thermodynamics of complex carbides $(Fe_xMo_y)_2C$. IU. N. Surovoi, V. I. Alekseev, L. A. Shvartsman. Dokl. AN SSSR 157 no. 4;951-953 Ag '64.

CARBOHYDRATE METABOLISM

Adrenal cortex and carbohydrate metabolism. S. G. Genes. Usp. sovr. biol. 55 no. 2:277-295 Mr-Ap '63.

Analogs of coenzymes of carbohydrate *metabolism*. Report No. 4: Synthesis of 6-azauridine diphosphate glucose. E. I. Budovskii and others. *Izv. AN SSSR Ser.* khim. no 7;1236-1241 Jl '64.

Effect of various amounts of copper on the dynamics of carbohydrates in barley. V. M. TSiarents'eu, M. D. Minchankava. Vestsi AN BSSR, Ser. biial. nav. *no. 4:* 26-32 '62.

Oxidative phosphorylation and glycolysis in the rat myocardium in experimental thyrotoxicosis. P. M. Samoilov. Vop. med. khim. 9 no. 2:188-196 Mr-Ap '63.

CARBOHYDRATES

Carbohydrate content and cold resistance in the cells of higher plants. I. G. Zavadskaia, N. L. Fel'dman, I. E. Kamentseva. Dokl. AN SSSR 157 no. 4;995-997 Ag '64.

Content of various forms of nitrogen and water-soluble carbohydrates in tobacco leaves topdressed with lithium. L. A. Ezdakova, N. K. Osmolovskaia. Nauch. dokl. *vys. shkoly;* biol. nauki no. 3;135-137 '64.

Effect of predominant carbohydrate *nutrition in iodine* deficiency associated with some functional stresses on the development of experimental goiter. A. I. Shteberg, I. A. Kusevitskii. Vop. pit. 23 no. 1;43-51 Ja-F '64.

Study on the carbohydrate composition *of mustard cakes* by the chromatographic method. N. K. TSvetkova, N. K. Budnikova. Trudy Astr. tekh inst. *ryb. prom. i khoz.* no. 8;3-8 '62.

Use of paper chromatography for determining carbohydrates in wort and beer. L. G. Shmidt. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10,3-26 '63.

CARBON

(see also subdivision under Daghestan)

Carbon enrichment wastes as a raw material for obtaining fuel gas. L. V. Drobyshev. Khim. i. *tekh. topl. i* masel 9 no. 4;33-37 Ap '64.

Effect of the sources of carbon on the biosynthesis of α-ketoglutaric acid *in cultures of Pseudomonas* fluorescens. V. N. Shaposhnikov and others. Dokl AN SSSR 157 no 1;180-182 Jl '64

Emission of carbon particles in a flame. A G. Blokh. Teploenergetika 11 no. 7:16-19 Jl '64.

Temperature dependence of the energy of mixing iron with carbon [*with summary in English*]. B. P. Burylev. Zhur. fiz. khim. 38 no. 2:313-315 F '64.

CARBON, ACTIVATED

Adsorption of sulfur dioxide from water by activated carbons I H. Plit, M T. Hupalo Khim prom (Ukr.) no 3;39-41 Jl-S '63

CARBON BLACK

Effect of the hydrodynamic and thermal conditions of the furnace process on the structure formation of carbon black. V. F. Surovikin, E IA Pokorskii. Kauch. i rez. 23 no 7 42-45 Jl '64

Using extracts as stock for the production of active and semiactive carbon black. B. T. Abaeva. Neftoper. i neftekhim. no. 5;30-33 '64.

CARBON DIOXIDE

Absorption of gases by liquids G. E. Dmitrievskii, A. G. Bol'shakov. Nauch ezhegod. Khim. fak Od. un. no. 2: 29-34 '61.

Calculation of the correction for the partial air pressure in determining carbon dioxide content of carbonated beverages with the manometric method. L. G. Shmidt. Trudy TSentr. nauch.-issl inst. piv., bezalk. i vin. prom. no. 10;27-31 '63.

Formation of ozone from the dissociation products of carbon dioxide in a glow discharge. I. V. Nikitin, E. N. Eremin. Zhur. fiz. khim. 36 no. 3;616-619 Mr '62.

Interaction of carbon dioxide with finely dispersed calcium oxide in the presence of water vapors. D. K. Davtian, E. N. Ovchinnikova, N. M. Soboleva. Nauch ezhegod. Khim. fak Od. un. no. 2.128-129 '61.

Relation between the quantities of O_2 and CO_2 consumed by heterotrophic bacteria V. I. Romanenko Dokl AN SSSR 157 no 1 176-179 Jl '64.

CARBON DIOXIDE—THERMAL PROPERTIES

Experimental study of the enthalpy of carbon dioxide. M. P. Vukalovich, IA. F Masalov. Teploenergetika 11 no 7,78-82 Jl '64

CARBON DISULFIDE

Detection of atomic oxygen during the cold flame oxidation of carbon disulfide by molecular oxygen. V. V. Azatian, A. B. Nalbandian, E. N. Sarkisian. Dokl. AN SSSR 158 no. 1:179-181 S-O '64.

Means of reducing the accumulation of carbon disulfide in spinning sections. K. K. Murav'ev. Khim. volok. no. 3;63-65 '64.

CARBON ELECTRODES see Electrodes, Carbon

CARBON ISOTOPES

Evaluation of the effectiveness of the chromatographic method of separating xanthophylls on paper with the aid of the C14 isotope. V. S. Saakov Biofizika 8 no. 1:129 '63

CARBON MONOXIDE

Effect of alkali metal carbonate additions on the kinetics of uranium trioxide reduction with carbon monoxide. V. G. Vlasov, V. N. Shalaginov. Kin. i kat. 5 no. 2;203-207 Mr-Ap '64.

Liquid phase oxidation of carbon monoxide. G. D. Zakumbaeva and others. Dokl. AN SSSR 156 no. 6; 1386-1388 Je '64.

Reaction equilibrium of the reduction of iron orthosilicate with carbon monoxide at temperatures from 950 to 1150°C. *B. G. Lebedev, V. A. Levitskii.* Zhur. fiz. khim. 36 no. 3:630-632 Mr '62.

CARBON TETRACHLORIDE

Effect of carbon tetrachloride and chloral on some alkyl esters of diphenylphosphinous and phenylethylphosphinous acids. *F. M. Kharrasova, Gilm Kamai.* Zhur. ob. khim. 34 no. 7;2196-2201 Jl '64.

CARBONATED BEVERAGES see Soft drinks

CARBONIC ACID

Process of forming polycarbonate fibers. L. G. Vedernikova, A. A. Konkin. Khim. volok. no. 3;26-29 '64.

CARBONITRIDES

Quantitative X-ray analysis of titanium, zirconium, and hafnium carbonitrides. IU. V. Levinskii. Zav. lab. 30 no. 6:725-726 '64.

CARBONYL COMPOUNDS

Condensation of tertiary amyl hydroperoxide with some carbonyl compounds. *Z. F. Nazarova and others.* Zhur. ob. khim. 34 no. 7;2430-2432 Jl '64.

Reaction of carbethoxymethylenetriphenylphosphorane and diethyl ester of carbethoxymethylphosphinic acid with some aldehydes and ketones. L. A. IAnovskaia, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no. 7:1341-1343 Jl '64.

CARBONYL GROUP

Radiation carbonylation of paraffin hydrocarbons with carbon monoxide. E. P. Kaliazin, N. M. Baranova. Neftekhimiia 4 no. 2:275-279 Mr-Ap '64.

CARBOXYL GROUP

[illegible] the liquid phase [illegible] role of [illegible] factors in free [illegible] M Ragimova. Zhur. [illegible] '64.

CARBOXYL GROUP (Continued)

Preparation and spectral study of partially acetylated carboxyl-containing cellulose. G.L.Elina, S.S.Gusev, L.N.Ermolenko. Dokl.AN BSSR 8 no.2:104-107 F '64.

CARCINOGENS

Change in the riboflavin levels in rats during cancerogenesis induced with p-dimethylaminoazobenzene and following the administration of the food-dye, amaranth. B.L.Rubenchik. Vop.pit 22 no 3:72-78 My-Je '63

CARD CATALOGS (FOR LIBRARIES) see Catalogs, Card

CARDIAC ANEURYSMS

Aneurysms of the cardiac interventricular septum. A.P. Kolesov. Grud.khir. 5 no.5:86-88 S-O '63.

Importance of some instrumental methods of investigation in the diagnosis of cardiac aneurysms. A.M.Tokareva. Kardiologiia 2 no.6:74-76 N-D '62.

CARDIAC CATHETERIZATION

Clinical aspects and treatment of Fallot's tetralogy with left-right blood shunt. G.T.Maliavin, IU.D.Volynskii. Grud.khir. 5 no.5:19-24 S-O '63.

CARDIAC GLYCOSIDES

Effect of cardiac glycosides on coronary circulation and absorption of oxygen by the heart in experimental myocardial infarction. E.A.Veselova. Biul.eksp.biol.i med. 55 [i.e.56] no.10:57-62 O '63.

CARDIAC GLYCOSIDES—TOXICOLOGY

Increasing the resistance of the organism with preparations derived from Eleutherococcus. G.F.Kolotilin, S.N.Boiko. Mat.k izuch.zhen'.i drug lek.rast.Dal'. Vost. no.5:257-259 '63

CARDING MACHINES

Device for testing the layer of fibers on the main carding cylinder. I.Kh.Buturovich. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6:55-62 '63.

CARDIOGRAPHY

Importance of some instrumental methods of investigation in the diagnosis of cardiac aneurysms. A.M.Tokareva. Kardiologiia 2 no.6:74-76 N-D '62.

CARDIOLOGY—BIBLIOGRAPHY see Bibliography—Cardiology

CARDIOVASCULAR AGENTS

Comparative effect of corasole and cordiamine on the cardiovascular system and respiration of cattle. A.D Shevyrev. Trudy Kostr.sel'khoz.inst."Kar " no 3 184-190 '63.

Comparative effect of papaverine, sinomenine, tiphen, and dibazol on the bioelectric activity and contraction range of the heart. A.A.Pykhtina. Farm.i toks. 25 no.6:711-716 N-D '62

Effect of papaverine, euphyllin and adrenaline on oxidative phosphorylation and the creatine phosphate content of the myocardium. I.E.Kisin Farm.i toks. 26 no.2:197-201 Mr-Ap '63.

CARDIOVASCULAR SYSTEM

Effect of camphor and strophanthin on the cardiovascular system. A.S.Saratikov, L.P.Alekseeva. Farm.i toks. *26 no.5:534-539 S-O '63.*

Effect of fluorine on the respiratory and cardiovascular systems. K.A.Kiandarian, S.L.Eolian. Vop.rent.i onk. 7:45-51 '63.

State of the cardiovascular system in children with acute glomerulonephritis. M.A.Gelovani. Soob.AN Gruz. SSR 33 *no.3:715-721 Mr '64.*

CARDIOVASCULAR SYSTEM—DISEASES

(see also subdivision under Kazakhstan; Krasnodar)

Avdulina, A.S. [Exercise therapy in cardiovascular diseases] Lechebnaia fizkul'tura pri serdechno-sosudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 95 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Importance of electrokymography in examining patients with cardiovascular diseases. G.A.Natsvlishvili, R.I.Gabuniia, L.A.Kakuliia. Trudy Inst.eksp.i klin. khir.i gemat.AN Gruz.SSR 11:15-20 '63.

Importance of the quality of intravital diagnosis in the study of mortality due to the most important cardiovascular diseases. V.A.Nesterov. Nauch.trudy Kub. gos.med.inst. 19:159-188 '62.

Shershevskaia, O.I. [Changes in the visual organ in some cardiovascular diseases] Izmeneniia organa zreniia pri nekotorykh serdechno-sosudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 254 p
(DNLM)

X-ray method in the study of hemodynamics and other indices in cardiovascular diseases. I.L.Arabei. Vop.rent.i onk. 7:63-73 '63.

CARDIOVASCULAR SYSTEM—RADIOGRAPHY

X-ray method in the study of hemodynamics and other indices in cardiovascular diseases. I.L.Arabei. *Vop.rent.i onk. 7:63-73 '63.*

CARGO HANDLING

Determining the efficiency of the program control of gantry grab cranes in sea ports. A.I Sakovich, F.D. Romanovskii. Ekon.i ekspl mor.transp no 1:43-46 '63.

Efficiency of unloading ships by concentrating harbor-handling equipment. L.O Derevich. Ekon i ekspl. *mor.transp. no.1:54-61 '63*

CARGO HANDLING—PRICES see subdivision under *France*

CARLINE THISTLE

Comparative effect of the extracts of ginseng and carline thistle on the duration of forced swimming of white mice. V.E Kolla, E.E.Belen'kii. Mat.k izuch.zhen'. i drug.lek.rast.Dal'.Vost. no.5:115-117 '63.

Effect of ginseng and the long-leaf carline thistle on Sechenov's inhibition. E E.Belen'kii, V.E.Kolla, I.P Startseva. Mat.k izuch.zhen' i drug.lek rast.Dal' Vost. no.5:133-135 '63.

Increasing the resistance of the nervous system of white mice to the inhibitive effect of sodium bromide by the administration of ginseng, dibazol and carline thistle. E.E.Belen'kii, V.E.Kolla Mat k izuch.zhen'.i drug lek.rast.Dal'.Vost. no.5:119-122 '63.

CARLSBAD, CZECHOSLOVAKIA see Karlovy Vary, Czechoslovakia

CARNATIONS—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the feeding of carnation and its ornamental properties. V.I.Zdasiuk. Nauch. dokl.vys.shkoly, biol.nauki no.3:138-142 '64.

CAROTENE

Significance of the vitamins of green aquatic vegetation in rearing young-of-the-year carp. T.A Deeva Trudy AzNIIRKH no.6:179-188 '63

CARP

(see also subdivision under Kuban; Okunnevets, Lake, Pskov Province; Plavushcheye, Lake, Pskov Province; Zhemchuzhnoye, Lake, Karelia)

Significance of the vitamins of green aquatic vegetation in rearing young-of-the-year carp T.A.Deeva. Trudy AzNIIRKH no.6:179-188 '63.

CARP—PARASITES see Parasites—Carp

CARPATHIAN MOUNTAIN REGION—ECONOMIC CONDITIONS

Socialist reorganization in the Carpathian Mountain region. N.K.Kovalev. Trudy kaf.obshchestv.nauk OEIS no.3:105-120 '62.

CARPATHIAN MOUNTAIN REGION—PETROLEUM PRODUCTION

Delineation of production areas in the fields of the cis-Carpathian region. N.E.Bykov and others. Nauch.-tekh.sbor.po dob.nefti no.19:6-12 '63

CARPATHIAN MOUNTAINS—PETROLEUM GEOLOGY

Basic features of geological structure and the prospects for finding gas and oil in the southeastern sector of the *Soviet Carpathians.* E.V.Pavlovskii, L.V.Grigorchuk. Neftegaz.geol.i geofiz. no.6:9-13 '64.

Sixth Congress of the Carpatho-Balkan Geological Association N Sazonov Geol nefti i gaza 7 no 12:50-51 D '63.

CARPATHIAN MOUNTAINS—VIEWS

Sova, P.P. [Get acquainted with the Carpathians! A photo report] Znakom'tes' - Karpaty! Fotoocherk. Uzhgorod, Zakarpatskoe obl. knizhno-gazetnoe izd-vo, 1963. 107 p. [In Russian and French]

CARPATHO-UKRAINE see Transcarpathia

CARRIERS

Foundations of the law governing transportation relations. B.M.Riabinskii. Uch.zap.Dal'nevost.gos.un. no.6: 169-183 '62.

CARTOGRAPHERS

Talented Russian cartographer P.I.Kuznetsov; 150th anniversary of his birth. F.A.Shibanov. Vest.LGU 19 no.2:151-156 '64.

CARTOGRAPHY

(see also subdivision under Poland)

Bibliography. Geod.i kart. no.4:78-80 Ap '64.

Cartography at the service of the chemicalization and intensification of agriculture. M.I.Nikishov. Geod. i kart. no.4:3-8 Ap '64.

External perspective projections with a positive image of the earth's surface. N.M.Volkov. Geod.i kart. no.4:70-73 Ap '64.

Work of the IU.M.Shokal'skii Branch of Mathematical Geography and Cartography. I.B.Kostrits. Mat.Otd. mat.geog.i kart.Geog.ob-va SSSR no.1:55-57 '61.

CARTOGRAPHY—BIBLIOGRAPHY see Bibliography—Cartography

CARTOGRAPHY—PERIODICALS

[illegible] K.A.Zvona- [illegible] -va SSSR [illegible]

CASCADES (FLUID DYNAMICS)

Theoretical calculation of geometrical parameters of cascades of profiles used in reversible turbogenerator units. I.L.Loitsianskaia. Izv.AN SSSR.Mekh.i mashinostr. no 4:165-168 Jl-Ag '64.

CASEIN

New method for the isolation of casein from skimmed milk P.F.D'iachenko, I N Vlodavets, E A.Zhdanova Sbor ref nauch rab VNIMP no 1 73-75 '55

CASPIAN LOWLAND—GAS, NATURAL—GEOLOGY

Formation of gas in the Pliocene sediments of the central sector of the Caspian Lowland K.A.Li Neftegaz.geol.i geofiz. no 7:31-33 '64.

Gas potential of the Pliocene sediments of the mid-channel region of the Ural River in the Caspian Lowland. L.F Volcherguskii, I.G.Markina. Neftegaz. geol i geofiz. no 7:17-21 '64.

CASPIAN LOWLAND—OIL WELL LOGGING, ACOUSTICAL

Studying the structure of the western edge of the Caspian Lowland by a seismic method. B.N.Lutsenko. Geol. nefti i gaza 7 no.11:55-58 N '63.

CASPIAN LOWLAND—PETROLEUM GEOLOGY

Evaluating the prospects for finding oil in the southwestern Caspian Lowland and basic trends in prospecting operations. G.E.-A Aizenshtadt, V.S.Dneprov. Neftegaz.geol i geofiz. no.7:9-12 '64.

Some recent data on the prospects for finding gas and oil in the Mesozoic sediments in the central sector of the Volga-Ural interfluve. A.G.Dreisin, V M. Likholatnikov. Neftegaz geol.i geofiz no.7:37-39 '64.

CASPIAN LOWLAND—REEFS

Convergence of the southern part of the cis-Ural marginal trough with the Caspian Depression and the possible reefs along their margins in the light of geophysical data. F.I.Khat'ianov. Dokl.AN SSSR 157 no.4:859-862 Ag '64.

CASPIAN SEA—CLAY

Features of Khvalynian clays from the Oblivnoy Island area of the bottom of the Caspian Sea in connection with the conditions of their formation from the point of view of engineering geology F.S.Aliev, A A.Guseinova. Dokl AN Azerb.SSR 19 no 3:41-45 '63.

CASPIAN SEA—CYCLONES

Cyclone over the Caspian Sea, photographed from a satellite. V.A.Dzhordzhio, O.A.Liapina. Meteor.i *gidrol. no.8:23-25 Ag '64.*

CASPIAN SEA—GAS, NATURAL—GEOLOGY

Basic results of reflection-method seismic prospecting on the Caspian Sea. IA.P Malovitskii. Neftegaz.geol *i geofiz. no.7:47-49 '64*

CASPIAN SEA—OCEANOGRAPHY

Level increment and the water budget of the Caspian Sea. Kh.K.Ulanov. Dokl.AN SSSR 157 no 1:99-100 Jl '64.

CASPIAN SEA—PETROLEUM—TRANSPORTATION

Prospects for oil transportation on the Caspian Sea. L.I.Nasibzade. Dokl.AN Azerb.SSR 20 no.5:37-40 '64.

CASPIAN SEA—PETROLEUM GEOLOGY

Basic results of reflection-method seismic prospecting on the Caspian Sea. IA.P.Malovitskii. Neftegaz.geol. i geofiz. no.7:47-49 '64.

CASPIAN SEA REGION—DESERT FLORA

Levina, F.IA. [Semidesert vegetation in the northern part of the Caspian Sea region and its significance as livestock feed] Rastitel'nost' polupustyni Severnogo Prikaspiia i ee kormovoe znachenie. Moskva, Nauka 1964 335

CAS

N

CASPIAN SEA REGION—PETROLEUM GEOLOGY

Comparison of conditions governing the distribution of petroleum in the producing and red layers as illustrated by the Cheleken and Neftyanyye Kamni fields and prospects for finding oil and gas in the structures of the Apsheron sill. F.M. Bagirzade, Z.IA. Kravchinskii. Izv.vys.ucheb.zav.; neft' i gaz 6 no.7.13-17 '63.

Comparison of the Upper Jurassic sediments of Mangyshlak Peninsula and the western Caspian Sea region. M.I. Tarkhanov. Neftegaz geol i geofiz no. 7:40-44 '64.

Efficiency of the prospecting of the oil and gas fields of the Caspian Lowland and the Mangyshlak Peninsula E A Smirnova Neftegaz. geol i geofiz no 7·44-46 '64

Prospects for finding gas and oil in the Sumgait sediments in the northwestern extension of the Caspian Sea region tertiary monocline G A.Guseinov, P G Mekhtiev, Neftegaz geol, i geofiz, no 6 46-48 '64

Trends in prospecting operations for gas and oil in the northern Caspian Sea region IA S Eventov Neftegaz geol. i geofiz, no. 7:3-8 '64

CASPIAN SEA REGION—STEPPE FLORA

Levina, F.IA. [Semidesert vegetation in the northern part of the Caspian Sea region and its significance as livestock feed] Rastitel'nost' polupustyni Severnogo Prikaspiia i ee kormovoe znachenie. Moskva, Nauka, 1964. 335 p.

CAST IRON

Smelting cast iron in coke-gas cupolas IU.N. Khil'shtein. Gaz delo no 3 30-33 '63

Zemskov, P.I., E.N. IAkushina, and E.N. Kharchenko. [Materials and coatings for the piston rings of motor-vehicle and tractor engines] Materialy i pokrytiia porshnevykh kolets avtotraktornykh dvigatelei. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 129 p.,

CAST IRON—ANALYSIS

Determination of zirconium in cast iron with chlorosulfophenol C as reagent. IU M Budkov and others. Zav.lab. 30 no 6:651-655 '64.

CAST IRON—FATIGUE

Investigating the fatigue resistance of cast-iron crankshafts of a diesel locomotive engine. I.V. Kudriavtsev, E.I Zhuk. Vest mashinostr. 44 no. 6 46-50 Je '64

CAST IRON—HARDENING

Increasing the hardness of chill-cast sheet mill rolls made of magnesium cast iron N P TSykina Stal' 23 no.4 334-337 Ap '64.

CAST IRON—HEAT TREATMENT

Bogachev, I.N., G.S. Davydov, and S.B. Rozhkova. [Grafitization and heat treatment of white cast iron] Grafitizatsiia i termicheskaia obrabotka belogo chuguna. Moskva, Izd-vo "Mashinostroenie," 1964. 145 p.

Repeated graphitizing of cast iron with spheroidal graphite A.A Baranov, E.D. Glebova, V.N. L'nianoi. Izv AN SSSR. Met.i gor.delo no. 2.124-131 Mr-Ap '64.

CAST IRON—ELECTROMETALLURGY

Prospects for the cokeless making of cast iron N V Kashkashvili Trudy GPI [Gruz] no 4 135-143 '62

CAST IRON—METALLOGRAPHY

Bogachev, I.N., G.S. Davydov, and S.B. Rozhkova. [Grafitization and heat treatment of white cast iron] Grafitizatsiia i termicheskaia obrabotka belogo chuguna Moskva, Izd-vo "Mashinostroenie," 1964. 145 p.

Effect of residual magnesium on the form of the graphite in cast iron. V.P. Pavlov. Izv.vys.ucheb.zav.; chern. met. 7 no.7:187-194 '64

Effect of vacuum treatment on structural transformations in cast iron F N Tavadze, I Sh Dzhanelidze. Trudy GPI [Gruz] no.4 51-56 '62

Form changes of graphite in solid cast iron. F.N Tavadze, Sh.S Katsitadze. Trudy GPI [Gruz.] no. 4.43-50 '62.

Intermediate transformations in cast iron alloyed with aluminum. L.P. Ivanova, IU.G. Bobro, I.A. Tananko. Izv.vys.ucheb.zav., chern.met. 7 no.7:202-209 '64.

CAST IRON—METALLURGY

Activity of calcium oxides and sulfides in slag according to data on sulfur vaporization from slag and on its distribution between the cast iron and slag. I.S. Kulikov, G.I. Zhmoidin. Trudy Inst.met. no.14.3-12 '63.

Despheroidizing effect of bismuth on the graphite phase in cast iron. A.P. Liubchenko, M.V Mozharov, D.G. Sherman. Fiz.met.i metalloved. 17 no. 6 853-861 Je '64.

Effect of overheating and inoculation on the properties of gray cast iron. F.N. Tavadze, M.D. Lanchava. Soob.AN Gruz.SSR 33 no.3:621-626 Mr '64.

Kinetics of magnesium removal from liquid cast iron. IU.M. Levchenko. Dop.AN URSR no.8:1067-1069 '64.

Obtaining high quality cast iron by its treatment in the ladle. A I Vinogradov and others Metallurg 9 no.5 9-11 My '64.

CAST IRON—TESTING

Comparative laboratory wearing tests of cast irons with globular and flaky graphite G N. Bakakin and others. Vest.mashinostr. 44 no 6:62-64 Je '64

Content of gases in malleable cast iron. L.I. Levi, E.I. Bader, A.IA Sirotin. Izv.vys ucheb.zav, chern met. 7 no 7:210-214 '64.

CAST IRON—WELDING

Effect of the cooling rate on the structure of cast iron during its mechanized welding with a powder wire IU A Sterenbogen, V Kh Khorunov Avtom svar 17 no 7 30-35 Jl '64

CASTOR-OIL PLANT

Concerning the booklet "The castor-oil plant." N.N Gol'dshtein. Masl-zhir.prom. 30 no 7:42 Jl '64

CASTRO, FIDEL, 1927-

Nikita Sergeevich Khrushchev and Fidel Castro Ruz on the "Belaia Dacha" State Farm Z.I Zhurbitskii Agrokhimiia no 1 143-144 Ja '64

CATALASE

Study of catalase-active systems Part 5 T P Vorob'eva, A.P. Purmal'. Zhur fiz khim 38 no 2 467-469 F '64

CATALOGS, CARD

Everling, N.A. [System of the catalogues of technical libraries, methods manual] Sistema katalogov tekhnicheskikh bibliotek, metodicheskoe posobie. Moskva, Gos. publichnaia nauchno-tekhn. biblioteka SSSR, 1961. 34 p. (V pomoshch' rabotnikam tekhnicheskikh bibliotek)
(NNC)

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series A: Natural sciences, medicine, agriculture, technology] Svod biul.nov inostr.knig, postup.v bibl.SSSR.Ser A: Est.nauki, med., sel'.khoz., tekh no 3 '64

CATALYSIS

Catalysis by metal vapors. Part 3 [with summary in English]. M.N. Danchevskaia, N.I. Kobozev, IU.A. Pankrushev. Zhur.fiz.khim. 38 no.2.442-448 F '64.

Catalytic activity of solid solutions in the system nickel-copper. G.D. Liubarskii, E.I. Evzerikhin, A.A. Slinkin. Kin.i kat. 5 no.2·311-318 Mr-Ap '64.

Catalytic decomposition of chlorites Part 3: Dependence of the catalytic decomposition of alkaline earth chlorites on the pH of the solution. A. Prokopcikas, P. Norkus. Trudy AN Lit. SSR Ser. B no.1 129-139 '62.

Catalytic decomposition of chlorites. Pt. 4: The mechanism of reaction. A Prokopcikas, J. Bartasiunas. Trudy AN Lit. SSR. Ser. B no.1·141-151 '62.

Catalytic effect of metals on coking in the pyrolysis of propane. I.M. Starshov, G.P. Syrmolaeva. Neftoper. i neftekhim. no. 2:26-29 '64.

Catalytic reduction of dinitriles. L Kh. Friedlin, T.A Sladkova. Usp khim 33 no 6:664-686 Je '64.

Catalytic synthesis of α-alkyl-γ-ketoenanthic esters. N.I. Shuikin, I.F. Bel'skii, V.M. Shostakovskii. Zhur ob.khim. 34 no.7·2118-2120 Jl '64

Change in electromotive forces and catalytic activity of semiconductor catalysts during decomposition of hydrogen peroxide [with summary in English]. V.A. Zhuravlev, A.A. Kuzheliuk. Zhur.fiz.khim. 38 no.2: 271-276 F '64.

Distribution of the thermal EMF over a copper oxide surface as related to its catalytic activity. V.A. Zhuravlev, L.G. Kolosova. Kin.i kat. 5 no.2:293-298 Mr-Ap '64.

Effect of admixtures to aluminum and iron oxides on the catalytic decomposition of formic acid. V.A. Komarov, E.A. Chernikova, G.V. Komarov. Zhur.fiz.khim. 36 no.3:540-545 Mr '62.

Effect of oxalic acid on the catalytic properties of vanadium (V) compounds in some redox reactions. K.B. IAtsimirskii, V.E. Kalinina. Zhur.neorg khim. 9 no.6:1328-1332 Je '64.

Effect of the chemical composition on the structure, stability, and catalytic properties of mixed aluminosilicate catalysts. IU.S. Nikitin, M.A. Kalško, Zhur.fiz.khim. 36 no.3:533-539 Mr '62.

Effect of the porous structure of an alumina-chromium oxide catalyst on the conversion of n-hexane. O.D. Konoval'chikov and others. Kin.i kat. 5 no.2:350-354 Mr-Ap '64.

Effect of the temperature of boron phosphate preparation on its specific surface, acidity, and catalytic activity in the dehydration of alcohols. L.Kh. Freidlin, V.Z. Sharf, Z.T. Tukhtamuradov. Kin.i kat. 5 no.2:347-350 Mr-Ap '64.

Kinetics and reactivity of aromatic compounds in the course of halogenation in the presence of metal halides. Part 3: Reactivity of aromatic compounds. N.N. Lebedev, I.I. Baltadzhi. Kin.i kat. 5 no.2:305-310 Mr-Ap '64.

Kinetic anomalies in catalytic contact reactions in small-sized fluid catalyst beds. Pal Szolcsanyi. Zhur.fiz. khim. 36 no.3:513-517 Mr '62.

Origin of the compensation effect in chemical reaction occurring on the surface of semiconducting catalysts. V S. Kuznetsov. Kin.i kat. 5 no.2:277-283 Mr-Ap '64.

Relation between the catalytic activity of certain semiconductors and the width of the forbidden zone. O.V. Krylov, E.A. Fokina. Kin.i kat. 5 no.2:284-292 Mr-Ap '64.

Soluble complexes of unsaturated hydrocarbons with metal salts and their role in catalytic reactions. Part 4: Thermodynamics of the formation of soluble π-complexes of ethylene with Ag^+ and Cu^+ ions. O.N. Temkin, A.G. Ginzburg, R.M. Flid. Kin.i kat. 5 no.2.221-227 Mr-Ap '64.

Study of the catalytic reaction for the purpose of its use in determining the microamounts of molybdenum. L.G. Anokhina, IU.A. Sopin, N.A. Agrinskaia. Trudy NPI 143·63-72 '63.

Temperature dependence of the rate of formation of sulfuric acid in the catalytic oxidation of sulfur dioxide on activated coal by the liquid-contact method. O K. Davtian, B A Manakin, E.G. Misiuk Nauch ezhegod Khim fak Od un no 2 113-115 '61

CATALYSTS

Air-steam regeneration of a coked aluminocobalt-molybdenum catalyst E S Semenova and others Nefteper i neftekhim no 8 16-18 '63

Automatic control of the circulation of a bead catalyst. M.V. Kozlov and others Khim.i.tekh.topl i masel 9 no 4:45-48 Ap '64.

Catalytic ketonization of acetic acid over a mixed $CaCO_3$-$LiCO_3$ catalyst. A.M. Rubinshtein, V.I. IAkerson, L.I. Lafer. Kin.i kat. 5 no.2:319-323 Mr-Ap '64.

Conversions of n.-hexane on an aluminum-chromium-potassium catalyst under reduced pressure. IU.N. Plotnikov, E.A. Timofeeva, N I. Shuikin. Neftekhimiia 4 no.2.225-228 Mr-Ap '64.

Dehydrocracking of paraffins over sulfide catalysts. V.T. Skliar, E.V. Lebedev, V.A. Zakupra. Neftekhimiia 4 no.2.200-208 Mr-Ap '64.

Ferromolybdenum catalysts for the oxidation of methanol in formaldehyde B I. Krutilov, Z.V Sopova, H I Kushnarenko Khim.prom.[Ukr.] no 1:3-8 Jl-S '63

Investigating the hydrogenation of olefins and dienes in the presence of rhodium black. L.Kh. Freidlin, E.F Litvin, L.M. Krylova. Neftekhimiia 4 no.2. 185-189 Mr-Ap '64.

Kinetic equation of parallel bimolecular reactions taking place in the gas phase of flow in the presence of solid catalysts. I.M. Kolesnikov, G.M Panchenkov Izv.vys ucheb zav., neft' i gaz 5 no 10 61-66 '62

Kinetics and mechanism of the carbidizing treatment of iron catalysts for synthesis from CO and H_2. A.IA. Rozovskii and others. Neftekhimiia 4 no.2:269-274 Mr-Ap '64.

Obtaining butadiene-1, 3 by the oxidation dehydrogenation of butene in the fluidized bed. I.IA. Tiuriaev and others. Neftekhimiia 4 no.2.190-193 Mr-Ap '64.

Plant production of VNIINP-370 and VNIINP-371 additives. A.V. Druzhinina and others. Nefteper.i neftekhim. no.5:7-12 '64.

Reactions of hydrogenation and electrohydrogenation of some organic substances on a ruthenium electrode - catalyst [with summary in English]. G.P. Khomchenko, T.N. Stoianovskaia, G.D. Vovchenko. Zhur.fiz.khim. 38 no.2:434-438 F '64.

Study of an oxygen electrode on a chromium-nickel carrier. O.K. Davtian, D.N. Izmailova-Ratushnaia, B.A. Manakin. Nauch.ezhegod Khim.fak.Od un. no 2:120-123 '61.

Surface properties of a catalyst for oxidizing ammonolysis of propylene. S.S. Stroeva and others. Kin.i kat. 5 no.2:355-356 Mr-Ap '64.

Synergistic effect of potassium stearate on the inhibiting properties of a manganese catalyst for oxidizing hydrocarbons. V M. Gol'dberg, L.K. Obukhova. Neftekhimiia 4 no.2 294-297 Mr-Ap '64.

Temperature-control system for a catalytic-cracking reactor with a finely divided catalyst. A A Abdullaev and others. Nefteper.i neftekhim. no.8 19-22 '63

Thermocatalytic conversion of paraffins over oxide catalysts. V.T. Skliar, E V. Lebedev, V.A. Zakupra. Neftekhimiia 4 no.2.209-214 Mr-Ap '64

CATALYSTS—COSTS

Cost of spent catalysts. B.N. Davydov, A.N. Basov, I.E. Gel'ms. Nefteper.i neftekhim. no.5:17-20 '64.

CATAPHORESIS see Electrophoresis

CATATONIA

Dynamics of subordination and adaptation in the catatonic form of schizophrenia with a chronic unfavorable development. E.L. Gushanskii. Zhur.nevr. i psikh. 63 no.9:1376-1380 '63.

Psychopathology of oneiroid catatonia treated with butyrophenones. IU.A. Aleksandrovskii. Trudy Gos nauch.-issl.inst.psikh. 40:202-206 '63.

CATECHOL

Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administration. A.A Novakovskaia, A.N Tikhomirova, T M Guseva. Vop.pit 22 no 3:19-22 My-Je '63.

Catechins of a green tea leaf of the Lenkoran' region of the Azerbaijan S S R. F.G.Nokhmedov Dokl AN Azerb SSR 19 no.9 63-68 '63

CATHEDRALS see subdivision under Leningrad

CATHODE RAY OSCILLOGRAPH

Methods of temperature recording during ultra high-speed heating of iron. IU. IA. Meshkov, S P. Oshkaderov. Sbor.nauch.rab.Inst metallofiz AN URSR no.18 216-219 '64

CATHODES

Determination of a free alkaline earth metal in oxide cathodes with the aid of radioactive iodine. V.P. Pomazkov, V.P.Vasil'ev. Izv.AN SSSR Ser.fiz. 28 no.8:1354-1359 Ag '64.

Use of color pyrometry methods in measuring the temperature of oxide cathodes. E.A.Lapina, V.S Parkhomenko, M.A.Chistiakova. Izv AN SSSR.Ser.fiz. 28 no.8:1367-1372 Ag '64.

CATHOLIC CHURCH

Samuilov, L.S., and B.P. Skorbin. [Servants of evil] Sluzhiteli zla. [Moskva] Izd-vo "IUridicheskaia literatura, 1964. 44 p.

CATION-EXCHANGING COMPOUNDS see Base-exchanging compounds

CATIONS

Use of cations for the quantitative determination of some new drugs. M. M. IAmpol's'ka. Farmatsev zhur. 18 no.5 8-12 '63

CATTLE

(see also subdivision under Ukraine)

Method of obtaining dated embryological material from cattle. L K.Ernst. Trudy VIZH 25:48-51 '63.

CATTLE—ANATOMY

Age-related changes in the weight of the skeleton and muscles of Simmenthal cattle. D I Levantin. Trudy VIZH 25:34-47 '63

CATTLE—DISEASES AND PESTS

(see also subdivision under Azerbaijan)

Changes in the blood of cattle infected with leptospirosis B.F.Moroshkin, A A Kostina, E F Ivanskii Veterinariia 41 no 4 42-43 Ap '64

Chemical prevention of babasiasis in cattle. A.D.Rybkina Veterinariia 41 no.4 51-53 Ap '64.

Pathogenesis of leukemia in cattle T.P Protasenia, B.N Nikolaev. Veterinariia 41 no.4 32-33 Ap '64.

CATTLE—PARASITES see Parasites—Cattle

CATTLE—PHYSIOLOGY

Change in the physicochemical characteristics of cervical secretion in cows due to the change in sexual and maternal dominance. I.I Sokolovskaia and others. Trudy VIZH 25:86-103 '63.

Comparative effect of corasole and cordiamine on the cardiovascular system and respiration of cattle. A D Shevyrev. Trudy Kostr sel'khoz inst "Kar " no.3.184-190 '63.

CAUCASUS—BENTONITE

Lithology and genesis of bentonites in the northeastern part of the Lesser Caucasus. Kh.Alizade Dokl.AN SSSR 157 no.1:101-104 Jl '64

CAUCASUS—*CALCITE*

Some examples of the utilization of the morphological characteristics of calcite crystals in the explanation of mineral genesis as revealed by a study of the Dashkesanskoye deposit. R.M.Aliev. Dokl.AN Azerb. SSR 19 no.9.25-29 '63.

CAUCASUS—CALCIUM

Calcium metasomatosis in the Tyrnyauz Range (central Caucasus). L.A.Vardaniants. Trudy Lab.geol.dokem. no.19:355-359 '64.

CAUCASUS—CRYSTALS—GROWTH

Some examples of the utilization of the morphological characteristics of calcite crystals in the explanation of mineral genesis as revealed by a study of the Dashkesanskoye deposit R.M.Aliev. Dokl.AN Azerb SSR *19 no.9 25-29 '63.*

CAUCASUS—GEOLOGY, STRATIGRAPHIC

Facies, paleobionomy, and paleogeography of the Koshkarchay-Debed interfluve (Lesser Caucasus). R.N.Mamedzade. Izv.AN Arm.SSR Nauki o zem. 17 no.2:17-26 '64.

Stratigraphic divisions of the Upper Senonian in the northeastern Lesser Caucasus (interfluve of the Koshkarchay and Debetchay). R.N.Mamedzade. Dokl. AN Azerb.SSR 19 no.3:53-56 '63.

CAUCASUS—IRRIGATION RESEARCH

Problems concerning the agricultural reclamation of lands irrigated in the remote past, conference of the Commission on the Practical Use of Historical Data in the National Economy B V Andrianov Vest AN SSSR 34 no 7 117-118 Jl '64

CAUCASUS—LANDFORMS

Ancient denudation surfaces in the central Caucasus V A.Rastvorova, Biul.MOIP Otd.geol 38 no 6 65-83 N-D '63.

CAUCASUS—METASOMATISM

Calcium metasomatosis in the Tyrnyauz Range (central Caucasus). L.A.Vardaniants. Trudy Lab.geol.*dokem.* no.19:355-359 '64.

CAUCASUS—MINERALOGY

Some examples of the utilization of the morphological characteristics of calcite crystals in the explanation of mineral genesis as revealed by a study of the Dashkesanskoye deposit R M Aliev Dokl AN Azerb SSR 19 no 9 25-29 '63

CAUCASUS—ORE DEPOSITS

Interrelationship of sulfoarsenide-cobalt mineralization and skarns K.A.Markov. Trudy VSEGEI 103.170-180 '64.

CAUCASUS—ROCKS, CRYSTALLINE AND METAMORPHIC

Main characteristics of the ancient formation of the Greater Caucasus. S.P.Solov'ev. Trudy Lab.geol. dokem. no.19:100-110 '64.

CAUCASUS—SHALE

Lithomineralogical characteristics of Jurassic clay shales from the southern slope of the Greater Caucasus (Belakanchay and Elisu). U D. Mazanov, A G. Seidov Dokl.AN Azerb.SSR 19 no.3:47-51 '63

CAUCASUS, NORTHERN—BITUMINOUS MATERIALS

Variations in the composition of the autochthonous bituminoids of organic matter of clay rocks under the influence of metamorphism and oil recovery. S G Neruchev. Dokl AN SSSR 157 no 4:901-903 Ag '64

CAUCASUS, NORTHERN—CLAY

Lithomineralogical and physical characteristics of clay rocks in Albian sediments in western Ciscaucasia B.V.Filippov, V M Lazareva Dokl AN SSSR 157 no.1 108-111 Jl '64

CAUCASUS, NORTHERN—CONGLOMERATE

Discovery of Lower Carboniferous conglomerates in the Northern Caucasus D.S.Kizeval'ter. Dokl.AN SSSR 156 no.6:1343-1346 Je '64.

CAUCASUS, NORTHERN—EARTH TEMPERATURE

Magnitude of the geothermal heat flow in central and eastern Ciscaucasia. I.G.Kissin. Neftegaz.geol.i geofiz. no.6:41-41 '64.

Principals of paleogeothermal investigations. IU.K. Taranukha, M.M.Nikanorov, Izv.vys.ucheb.zav.; neft' i gaz 6 no.7:3-4 '63.

CAUCASUS, NORTHERN—ECONOMIC CONDITIONS—BIBLIOGRAPHY

Rostov-on-Don. Gosudarstvennaia nauchnaia biblioteka imeni K. Marksa. [Economy of the Northern Caucasus in the third year of the seven-year plan; a recommended list of literature] Narodnoe khoziaistvo Severnogo Kavkaza, 3-i god semiletki; *rekomendatel'nyi ukazatel'* literatury. Rostov-na-Donu, 1962. 60 p.
[MICROFILM]

CAUCASUS, NORTHERN—GEOLOGY, STRATIGRAPHIC

Boundary between the Apt and the Alba. V.V.Drushchits, I.A.Mikhailova. Biul.MOIP.Otd.geol. 38 no.6:84-93 N-D '63.

Lithological and stratigraphic features of fractured Upper Cretaceous rocks in northeastern Ciscaucasia. V D.Talalaev, V.L.Galin Trudy VNIGRI *no.*228 40-61 '64

Some controversial problems in the Paleozoic stratigraphy of the Northern Caucasus and their solution. V.V.Permiakov. Dop.AN URSR no.8:1101-1103 '64.

CAUCASUS, NORTHERN—JOINTS (GEOLOGY)

Concerning the factual data and certain conclusions of I.M.Krisiuk in his investigations of fracture in the northern Caucasus E.M.Smekhov Trudy VNIGRI no.228:289-291 '64.

CAUCASUS, NORTHERN—LIMESTONE

Stylolites of the Upper Cretaceous limestones of the northeastern Caucasus. M.E Kaplan. Trudy VNIGRI no.228:110-131 '64.

CAUCASUS, NORTHERN—ORGANIC MATTER

Effect of temperature and formation pressure on the composition of disseminated organic matter as revealed by a study of the Mesozoic and Cenozoic sediments of western Ciscaucasia. E.S.Larskaia, D.V.Zhabrev. Dokl.AN SSSR 157 no.4:897-900 Ag '64.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Lithological and stratigraphic features of fractured Upper Cretaceous rocks in northeastern Ciscaucasia V D.Talalaev, V L Galin Trudy VNIGRI no 228 40-61 '64

CAUCASUS, NORTHERN—PROSPECTING—GEOPHYSICAL METHODS

Combined geophysical investigations of wells in western Ciscaucasia. V.K.Popov. Geol.nefti i gaza 7 no.11: 42-47 N '63.

CAUCASUS, NORTHERN—RAILROADS—MANAGEMENT

Results of the reorganization of locomotive management on the North Caucasus Railroad D.A Demchenko Zhel dor.transp 46 no 7:72-76 Jl '64

CAUCASUS, NORTHERN—STYLOLITES

Stylolites of the Upper Cretaceous limestones of the northeastern Caucasus M E Kaplan Trudy VNIGRI *no 228 110-131 '64*

CAUSATION

Lenin's concept of the category of inherent motion. E.B.Shur. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1: 102-109 '64.

CAVES

(see also subdivision under Dobruja)

The largest karstic caves of the world and the U.S.S.R N A Gvozdetskii Izv.Vses geog.ob-va 96 no 3 239-241 My-Je '64.

CECUM—INNERVATION

Afferent pathways of interoceptive reflexes from the ileocecal region of the intestine in cats E.H Dzladzlulia Vestsi AN BSSR Ser.biial nav. no.4:93-99 '63.

CELESTIAL MECHANICS see Mechanics, Celestial

CELESTITE see subdivision under Fergana; Fergana Valley

CELL DIVISION (BIOLOGY)

Correlation between the quantity of polyploid and binuclear cells of the liver in the course of 24 hours. T.A.Zaletaeva. Biul.eksp.biol.i med. 55 [i.e.56] no.10:93-95 O '63.

Symposium on cell division and regeneration of endocrine glands. V V.Makhovko, IU.A Romanov. Arkh. anat.,gist.i embr. 43 no.11:119-121 N '62

Third Conference on the Problems of Regeneration and Cell Reproduction. M.E.Aspiz, S.IA.Zalkind. TSitologiia 5 no.4:477-479 Jl-Ag '63.

TSanev, R.G., and G.G.Markov. [Biochemistry of cell division. *Translated from the Bulgarian*] *Biokhimiia* kletochnogo deleniia. Pod red. V.S.Shapot i I.B.Zbarskogo. Moskva, Meditsina, 1964. 118 p.

CELL NUCLEI

Comparative histochemical study of the nuclei of specific systems and the reticular formation of the brain in a number of mammals. E.I.Il'ina-Kakueva. Biul.eksp. biol.i med. 55 [i.e.56] no.10:100-105 O '63.

Quantitative and qualitative changes in nuclear and cytoplasmatic proteins in the secretory cycle of the extraorbital gland in rats. An interferometric and cytospectrophotometric study. V IA.Brodskii. Dokl.AN SSSR 157 no.1:171-174 Jl '64.

Study of the nuclear structures of frog oocytes. P.V. Makarov Arkh anat.gist i embr 45 no 11:53-61 N '63.

Ultrastructure of the nucleus on the basis of electron microscopy of isolated nuclei subjected to extraction by salts G.P.Georgiev, IU.S.Chentsov Biofizika 8 no.1:50-57 '63

CELL NUCLEI—TRANSPLANTATION

Hereditary transformation of color and changes in the DNA amount in Pekin ducks caused by injections of isolated erythrocytes nuclei from ducks of a different species. A A Chilingarian, E.F.Pavlov, L.P. Mkrtchian. Izv AN Arm.SSR.Biol.nauki 15 *no.12.*25-34 D '62.

CELLOPHANE

Quantitative determination of "antiblok" with the FEK-N-57 electrophotocolorimeter. I.M.Dolgova, G.N.Kuritsyna, L.P.Kladnitskaia. Khim.volok. *no.3:65-66 '64.*

CELLS

Changes in thrombocytes and megakaryocytes in rats during the growth of transplanted tumors. G.N.Prizhivoit. Vop.onk. 10 no.3:46-51 '64.

Intracellular crystalloid inclusions in multiple myeloma. N.E.Andreeva. Probl.gemat.i perel.krovi 8 no.8: 46-48 Ag '63.

"The living cell." Reviewed by L.N.Zhinkin. Arkh. anat gist i embr 45 no 11:122-123 N '63

CELLS—PERMEABILITY

Distribution of cyanol between the giant axon of the squid and its environment. S.A.Krolenko, N.N.Nikol'skii. TSitologiia 5 no.4:414-419 Jl-Ag '63.

CELLS—PERMEABILITY (Continued)

Phosphorus distribution between the muscle and the environment in solutions with various calcium concentrations. L. N. Pisareva. TSitologiia 5 no. 4:420-427 Jl-Ag '63.

Publication of registered discoveries. TSitologiia 5 no. 4:439, 448 Jl-Ag '63.

CELLS—TRANSPLANTATION

Gavrilov, V. I. [Transplantable cells in virology] Perevivaemye kletki v virusologii. Moskva, Meditsina, 1964. 267 p.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Cellulose-decomposing soil fungi I G Kanevskaia Bot zhur 49 no 5 715-720 My '64

Mechanical and thermochemical method of transforming cellulose-containing materials to a readily hydrolyzable state. A. V. Krupnova, V I Sharkov. Gidroliz i lesokhim prom. 17 no 3:3-5 '64

CELLULOSE ACETATES—SPECTRA

Preparation and spectral study of partially acetylated carboxyl-containing cellulose. G. L. Elina, S S. Gusev, I. N. Ermolenko. Dokl. AN BSSR 8 no. 2:104-107 F '64.

CEMENT

(see also subdivision under Kuybyshev Province)

Polymer cement leveling blankets. K. I. Karasev, A. V. Petrova. Stroi. mat. 9 no. 6:13-14 Je '63.

CEMENT—STORAGE

Improvement of the aeration devices of cement storehouses of the silo type. M. N. Gorbovets, A. S. Shteinberg, F. N. Shinderov. Mekh. stroi. 20 no. 7:28 Jl '63.

CEMENT—TESTING

Concerning the use of the rapid cement testing method worked out by the Southern Scientific Research Institute for reinforced concrete product plants. K. V. Rapoport. Sbor. nauch. trud NII po stroi. ASiA no. 4: 108-115 '63.

CEMENT CLINKERS

Effect of sodium fluosilicate on the viscosity of the clinker liquid phase. P. P. Budnikov, N. V. Shakhmagon, Z. B. Entin. TSement 30 no. 1:6-8 Ja-F '64.

CEMENT INDUSTRIES

(see also subdivision under Iskitim, Novosibirsk Province)

Tasks in the sixth year of the seven-year plan. TSement 30 no. 1:1-3 Ja-F '64.

Work specialization is an urgent task. M. M. Smekhov, N. T. Kolupaev. TSement 30 no. 1:16-18 Ja-F '64.

CEMENT INDUSTRIES—ACCOUNTING see subdivision under Magnitogorsk

CEMENT INDUSTRIES—PRICES

Accounting prices and strengthening of business accounting in the cement industry. B. Kellerman. Fin. SSSR 38 no. 6:44-46 Je '64.

CEMENT KILNS

Constant or variable profile of rotary kilns? S. I. Khvostenkov. TSement 30 no. 1:12-14 Ja-F '64.

Vortex drying kilns. E. V. El'tsov, P. S. Bugaev. TSement 30 no. 1:21 Ja-F '64.

CEMENT PLANTS

How we are improving the standard of production. V. N. Potriasov. TSement 30 no. 1:15-16 Ja-F '64.

CEMENT PLANTS—EQUIPMENT AND SUPPLIES

"Volga Cement Heavy Machinery Plant" is a leading enterprise of cement machinery construction. S. V. Podyma. TSement 30 no. 1:4-6 Ja-F '64.

CEMENTATION (METALLURGY)

Copper removal from iron bearing chloride solutions S. A. Batyrbekova, A D. Ablanov. Trudy Inst met. i obog. AN Kazakh SSR 8 102-105 '63

Investigating the cementation of antimony and arsenic from alkali-sulfide solutions. I R Polyviannyi, L. N. Sysoev Trudy Inst met. i obog. AN Kazakh. SSR 8 57-64 '63.

CEMENTITE, EFFECT OF RADIATION ON

Effect of preirradiation on the structure and thermal decomposition of cementite. V. A. Shalashov. Zhur. fiz. khim. 38 no. 2:485-486 F '64.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM REGION—COLLECTION FARMS

"Collectivization of agriculture in the Central Chernozem Region, 1928-1932" by P. N. Sharova. Reviewed by F A. Karevskii. Vop. ist. 39 no. 7:131-133 Jl '64.

CENTRAL CHERNOZEM REGION—FLOODS

High spring waters on the rivers of the central Chernozem provinces under the Hydrometeorological Service Administration in 1963 F A Evstratov Meteor i gidrol. no 7:41-43 Jl '64.

CENTRAL CHERNOZEM REGION—PINE

Rubtsov, V. I. [Pine plantations in the forest steppe of the Central Chernozem provinces] Kul'tury sosny v lesostepi tsentral'no-chernozemnykh oblastei. Moskva, Lesnaia promyshlennost', 1964. 315 p. (DNAL)

CENTRAL CHERNOZEM REGION—SOILS—PHOSPHORUS CONTENT

Phosphorus forms in the soils of Central Chernozem Provinces. F. G Aderikhin, E. P. Tikhova, IU G Churilina. Pochvovedenie no. 7:68-74 Jl '64.

CENTRAL INDUSTRIAL REGION—CITIES AND TOWNS

Studying several prerequisites of the industrial development of small and medium-size cities in the Central Economic Region. F M Listengurt, I M. Smoliar. Izv AN SSSR Ser geog no. 4:79-90 '64

CENTRAL INDUSTRIAL REGION—CITIES AND TOWNS—CONGRESSES

Conference on the study of small and medium-size cities of the Central Economic Region M Seidobova, B Khorev. Izv. AN SSSR Ser geog no. 4:165-166 '64

CENTRAL SIBERIAN PLATEAU—GEOLOGY, STRATIGRAPHIC

Characteristics of the tectonic pattern of the northwestern margin of the Central Siberian Plateau. V. I. Dragunov, E. B. Smirnova. Trudy VSEGEI 97:41-57 '64.

CENTRIFUGAL PUMPS

Certain methods for changing the characteristics of centrifugal pumps. M. T Stoliarskii. Gaz prom 8 no. 2:40-43 '63

Operation and efficiency of a compressor station with double-stage centrifugal pumps. V D Dobrokhotov. Gaz. delo no 3:26-29 '63.

CENTRIFUGAL PUMPS—PARTS

Efficiency of the basic types of inlet swivel apparatus for centrifugal pumps. M. T. Stoliarskii. Gaz. prom. 9 no. 4:30-34 '64.

CENTRIFUGATION

Centrifugal preparation of petrographically heterogeneous Kuznetsk Basin coals S. V. Glushnev, L G. Demidov, G V Speranskaia Trudy IGI 20 3-9 '63.

Experimental investigation of the hydrocyclone purification of drilling mud A A Nechaev, V F. Kuznetsov, V. S. Gombert Trudy KNII NP no 17 67-87 '62

CENTRIFUGES—COOLING

Selection of a plan for cooling hydraulic coupling for the drive of a powerful centrifuge. I. P. Krasil'nikov. Obog. i brik. ugl. no. 26:25-32 '62.

CENTRIFUGES—SAFETY APPLIANCES

Safety screen for a centrifuge. L. Livshits. Okhr. truda i sots. strakh. 7 no. 5:46 '64.

CENTRIFUGES—TESTING

Centrifuge for dewatering small classes of coal. A. R. Moliavko. Koks i khim. no. 6:6-12 '64.

CERAMIC MATERIALS—ELECTRIC PROPERTIES

Interrelation between electric and mechanical strength of corundum ceramics I S Kainarskii, E V. Degtiareva, I G. Orlova Dokl AN SSSR 157 no 1:168-170 Jl '64.

CERAMIC METALS

Samsonov, G. V. [High melting compounds of rare-earth metals with nonmetals] Tugoplavkie soedineniia redkozemel'nykh metallov s nemetallami. Moskva, Izd-vo "Metallurgiia," 1964. 242 p.

CERAMIC METALS—TESTING

Strength limit and rupture mechanism of WZ-Co ceramic metal hard alloys under the effect of compression. G. S. Kreimer and others. Fiz. met. i metalloved. 17 no. 4: 572-577 Ap '64.

CEREBELLUM

Electrophysiological research on the interaction of visceral impulses in the cerebellar cortex. N. V. Bratus. Fiziol. zhur. 10 no. 1:16-24 '64.

Vsesoiuznoe soveshchanie po voprosam fiziologii vegetativnoi nervnoi sistemy i mozzhechka, 1st, Erevan, 1961. [Problems of the physiology of the vegetative nervous system and cerebellum; collection of reports] Voprosy fiziologii vegetativnoi nervnoi sistemy i mozzhechka, sbornik dokladov. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 610 p.

CEREBELLUM—DISEASES

Surgical treatment of cerebellar hemorrhage; a review of literature. L. S. Soskin. Zhur. nevr. i psikh. 63 no. 9:1427-1432 '63.

CEREBRAL CORTEX

Characteristics of ascending activation of the cerebral cortex in a state of physical starvation and during pain stimulation. K. V. Sudakov, IU. A. Fadeev. Fiziol. zhur. 49 no. 11:1310-1317 N '63.

Correlation between the functional state of the cerebral cortex and tuberculosis. G. S. Kan. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:329-344 '63.

Effect of stimulation of the cerebral cortex on the electric activity of the respiratory muscles of a cat. V. M. Storozhuk, A. G. IAshchenko. Fiziol. zhur. 49 no. 11: 1345-1352 N '63.

Neurofibrils in the neurons of the cerebral cortex. A. I. IUvchenko. Dokl. AN BSSR 7 no. 12:855-857 D '63.

Postcentral and upper parietal areas of the cerebral cortex in arboreal monkeys. T. I. Belova. Arkh. anat., gist. i embr. 43 no. 8:11-28 Ag '62.

Primary evoked potentials between different levels of the primary auditory zone of the cerebral cortex. O. F. Dembnovets'kyi. Fiziol. zhur. 10 no. 1:25-30 '64.

Problem of the "visceral brain." E. Sh. Airapetiants. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:19-46 '63.

CEREBROSPINAL FLUID

Changes in the cerebrospinal fluid in cases of brain tumors M. I. Sulimov Sbor nauch. rab stud Volg gos. med inst. no. 1:94-96 '60

Proteins, lipoproteins and glycoproteins in the cerebrospinal fluid of patients with hydrocephalus. T. D. Ushakova, A. IU. Makarov. Vop. med. khim. 9 no. 2:172-177 Mr-Ap '63.

CEREBROVASCULAR DISEASE

Characteristics of the course of an ischemic attack in alcoholism. A. B. Mutalimova. Azerb. med. zhur. no. 6:35-39 Je '62.

Clinical aspect of a disorder of cerebrovascular circulation I. M. Sabakhtarashvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:269-282 '63.

Pathogenesis and clinical aspects of cerebral embolism in mitral commissurotomy. N. K. Bogolepov, S. A. Kolesnikov, L. O. Badalian. Grud. khir. 5 no. 5:3-9 S-O '63.

CERIUM—ELECTRIC PROPERTIES

Existence of a critical point on the isomorphic transformation curve for cerium. E. G. Poniatovskii. Kristallografiia 8 no. 2 287-290 Mr-Ap '63

CERIUM CHLORIDES

Solubility of cerium (III) chloride in water and salt solutions. A. D. Sheveleva, R. L. Bogdanovskaia, E. F. Zhuravlev. Zhur. neorg. khim. 9 no. 6:1435-1440 Je '64.

CERIUM GROUP

Compounds of elements of the cerium group with selenium and tellurium. E I. IArembash and others. Izv. AN SSSR. Ser. fiz. 28 no. 8:1306-1309 Ag '64.

CERIUM ISOTOPES—THERAPEUTIC USE

Radioactive cerium (Ce^{144}), cesium (Cs^{137}), promethium (Pm^{147}) and their therapeutic effect. A. IA. Prakapchuk and others. Vestsi AN BSSR. Ser. biial. nav. no. 4:84-90 '62.

CERIUM-MAGNESIUM ALLOYS see Magnesium-cerium alloys

CERIUM OXIDES

Production of plastic vanadium. G. V. Gaidukov, M. G Gaidukov. Izv. Sib. otd. AN SSSR no. 7:29-36 '62.

CERIUM SULFATES

Photochemical reduction of ceric sulfate in aqueous solutions of sulfuric acid. A. A. Kachan, P. P. Makhovka. Zhur. fiz. khim. 36 no. 3:526-532 Mr '62.

CESAREAN SECTION

Adrenal gland insufficiency following cesarean section. K. M. Federmesser, M. M. Shekhtman. Akush. i gin. 39 no. 5:152-153 S-O '63.

Cesarean section by Doerfler's technique with L. A. Gusakov's modification. I. A. Vainberg. Akush. i gin. 39 no. 5:142-143 S-O '63.

Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. A. S. Slepykh, A. S. Gordeladze. Akush. i gin. 39 no. 5:103-110 S-O '63.

Pathomorphological changes in the uterine wall following cesarean section. E. M. Speranskaia. Akush i gin. 39 no. 5:90-97 S-O '63.

Results of the histological study of the uterine wall in the cicatrical area after repeated cesarean sections. N. I. Tiurina. Akush. i gin. 39 no. 5:97-102 S-O '63.

CESIUM—SPECTRA

Broadening of the cesium line in a d. c. arc plasma. V. M. Fol'dfarb, E. V. Il'ina. Opt. i spektr. 17 no. 2:302-304 Ag '64.

CESIUM—THERMAL PROPERTIES

Some properties of a slightly ionized thermal cesium plasma. N. D. Morgulis, IU. P. Korchevoi. Zhur. tekh. fiz. 34 no. 5:940-948 My '64.

CESIUM CHLORIDE

Interaction of tantalum tetrachloride with rubidium and cesium chlorides. V.V.Safonov and others. Zhur. neorg.khim. 9 no.6:1406-1410 Je '64.

CESIUM HALIDES

Ternary reciprocal system consisting of chlorides and bromides of cesium and cadmium. I.I.Il'iasov. Zhur. neorg.khim. 9 no.6:1411-1415 Je '64.

CESIUM ISOTOPES—THERAPEUTIC USE

Radioactive cerium (Ce^{144}), cesium (Cs^{137}), promethium (Pm^{147}) and their therapeutic effect. A.IA.Prakapchuk and others. Vestsi AN BSSR.Ser.biial.nav. no.4:84-89 '62.

CESIUM NITRATE CRYSTALS

Dielectric properties of cesium nitrate single crystals. A.S.Sonin, I.S Zheludev Kristallografiia 8 no.2: 253-257 Mr-Ap '63.

CESIUM OXIDES—THERMAL PROPERTIES

Mass-spectrometric study of the evaporation of cesium superoxide IU.A Borisov, A V Gusarov, L N Gorokhov. Teplofiz vys temp. 2 no.3 487-489 My-Je '64.

CEYLON—FISHES

A lagoon of singing fish. Z.Matiushina. Az.i Afr.seg. 8 no 7 40 Jl '64

CHAIN DRIVE

Toothed chains and their wear resistance. N V Vorob'ev, G A.Glushkov Mashinostroitel' no.7,34-35 Jl '64

CHALCOGENIDES

Hydroxy chalcogenide glasses. V.P.Shilo, B.T.Kolomiets. Izv.AN SSSR.Ser.fiz. 28 no.8;1285-1287 Ag '64.

CHALCOGENIDES—ELECTRIC PROPERTIES

Measurement of the mobility of current carriers in vitreous chalcogenide semiconductors. E.B.Ivkin, B.T.Kolomiets, E.A.Lebedev. Izv.AN SSSR.Ser.fiz. 28 no 8:1288-1290 Ag '64.

CHALCONE

Infrared spectra of furan analogs of chalcone and their vinyl analogs. S.V.TSukerman and others. Zhur.ob. khim. 34 no.7;2309-2317 Jl '64.

CHAMBER MUSIC see subdivision under Moscow

CHAMBER ORCHESTRA

Yugoslav musicians. Mark Mil'man. Sov.muz. 28 no.2:103-104 F '64.

CHANGE

Contradiction in mechanical motion explained. B.A. Dragun. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1: 110-117 '64.

Lenin's concept of the category of inherent motion. E.B. Shur. Nauch dokl.vys.shkoly; filos.nauki 7 no.1 102-109 '64.

CHARA VALLEY (CHITA PROVINCE)—WATER, UNDERGROUND

Hydrogeological characteristics of the Olekma-Chara interfluve. P.N.Lugovoi. Mat.Kom po izuch.podzem. vod Sib.i Dal'.Vost. no.2;176-185 '62.

CHARACTERS AND CHARACTERISTICS IN LITERATURE

Concerning a design of Gor'kii. Nov.mir 40 no.4:271-274 Ap '64

CHARNOKITES see subdivision under, Kola Peninsula

CHATKAL *RANGE—ORE DEPOSITS*

Impurity elements in some sulfide complex-metal deposits in the Sumsar-Bozbutoo region. U.Asanaliev. Zap.Kir.otd.Vses.min.ob-va no.4:27-30 '63.

CHECHEN-INGUSH A.S.S.R.—OIL FIELD FLOODING

Field investigation of the cooling of a well bore and measures for preventing corrosion of underground equipment. IU P Miroshnichenko, V.I.Konovalov, IU IA. Berents. Neft.khoz. 42 no 7;42-45 Jl '64.

CHECHEN-INGUSH A.S.S.R.—OIL WELLS—ACIDIZATION

Field investigation of the cooling of a well bore and measures for preventing corrosion of undergound equipment. IU P.Miroshnichenko. V.I.Konovalov, IU IA. Berents. Neft.khoz. 42 no.7:42-45 Jl '64.

CHECHEN-INGUSH A.S.S.R.—PETROLEUM PRODUCTION

Hydraulic perforation of wells in the Chechen-Ingush A.S.S.R. V.I.Gorin, S.M.Mushailov. Nefteprom. delo no.5;26-30 '64.

Shishkin, O.P., and Z.N.Krikun. [Remote control in the Groznyy oil fields] Telemekhanika na neftianykh promyslakh Groznogo. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 83 p.

CHEESE

Belousova, N.N. [Butyric acid bacteria in the production of cheese] Maslianokislye bakterii v proizvodstve syra. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 16 p.

[MICROFILM]

CHEESE—MICROBIOLOGY

Belousova, N.N. [Microbiological processes in large-sized cheeses] O mikrobiologicheskikh protsessakh v krupnykh syrakh Moskva, TSentr.in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 19 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

CHEESE FACTORIES see subdivision under Krasnodar Territory

CHEESE FACTORIES—EQUIPMENT AND SUPPLIES

Improving the technology for the manufacture of soft cream cheese V.I Butin, E A Krasnozhen Sbor ref nauch.rab VNIMP no 1 69-73 '55

CHEKHI BASIN—ALLANITE

Accessory orthite from pegmatite veins in the Chekhi Basin. Dzh A.Azadaliev. Dokl AN Azerb SSR 19 no.9 59-62 '63.

CHEKHI BASIN—PEGMATITES

Accessory orthite from pegmatite veins in the Chekhi Basin. Dzh A Azadaliev. Dokl AN Azerb.SSR 19 no 9:59-62 '63.

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Taganrog. Literaturnyi muzei A.P.Chekhova. [A.P. Chekhov, a collection of articles and materials] A.P. Chekhov; sbornik statei i materialov. Rostov-na-Donu.
Vol.2. 1960. 1 v.
(MH)

CHEKUNOV, IVAN AFANAS'EVICH, 1880-1928

One of the first. V.Khokhlov. Sov.potreb.koop. 8 no.5;45-47 My '64.

CHELATES

Cyclopentadienyl dizirconoxanic compounds containing aryl or chelate groups. E.M.Brainina, G.G Dvoriantseva, R.Kh.Freidlina. Dokl.AN SSSR 156 no.6: 1375-1378 Je '64.

CHELEKEN PENINSULA—GAS, NATURAL—GEOLOGY

Establishing the gas potential and hydrocarbon composition of the gas in the red-colored productive formation of the Apsheron Archipelago and Cheleken structures. Z IA.Kravchinskii. Dokl.AN Azerb SSR 19 no.3:31-34 '63.

CHELYABINSK—AUTOMOBILE INDUSTRY WORKERS

Toiler's authority. L.Komarov. Sov.profsoiuzy 20 no.15 31 Ag '64.

CHELYABINSK—ELECTRIC FURNACES

Temperature conditions for the resistance of the lining of large capacity electric furnaces at the Chelyabinsk Metallurgical Plant. M.N.Kaibicheva and others. Stal' 23 no 4:324-328 Ap '64.

CHELYABINSK—ELECTROMETALLURGY—TECHNOLOGICAL INNOVATIONS

Gusarov, V.N., and others. [Chelyabinsk electrometallurgy workers are striving for technical progress] Cheliabinskie elektrometallurgi v bor'be za tekhnicheskii progress. [Cheliabinsk] Cheliabinskoe knizhnoe izd-

CHELYABINSK—TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Toiler's authority. L.Komarov Sov.profsoiuzy 20 no.15,31 Ag '64.

CHELYABINSK PROVINCE—NAMES, GEOGRAPHICAL

Monuments of military glory, several characteristics of the toponymy of the populated localities of Chelyabinsk Province N I.Shuvalov. Izv.Vses.geog ob-va 96 no.3;244-247 My-Je '64.

CHELYABINSK PROVINCE—STATE FARMS

I love you again and again. S.Il'icheva. Mol.komm. no.2;38-45 F '64.

CHEMICAL APPARATUS

Radiation polymerization of ethylene in enlarged laboratory apparatus. A.D.Abkin and others. Plast.massy no.2;3-6 '64.

CHEMICAL BONDS

Calculation of the ionicity of bonds in complex ions by the method of electronegativity. S.S.Batsanov. Zhur. neorg.khim. 9 no.6;1323-1327 Je '64.

Certain regularities in the internuclear distances for chemical bonds of various types in polyatomic molecules [with summary in English]. V.P.Spiridonov, V.M. Tatevskii. Zhur.fiz.khim. 38 no.2;405-410 F '64.

Dependence between the development of bonds in silicate melts and the dielectric properties of glasses obtained. A.I.Avgustinik, I.S.TSuranova. Zhur.fiz.khim. 36 no.3;608-611 Mr '62.

[illegible] esence [illegible] -218 [illegible]

[illegible] and [illegible] Pro- [illegible] 1;232- [illegible]

Frequencies and intensities of infrared absorption bands of the stretching and deformation vibrations of the NH_2 group in primary amines. M.R.IAgudaev and others. Izv.AN SSSR.Ser.khim no.7:1189-1196 Jl '64.

Optical properties of polymeric states of sulfur with the additions of P, As, Sb, and Bi. A.I.Soklakov. Zhur.fiz. khim. 36 no.3,575-580 Mr '62.

CHEMICAL COMPOUNDS

Method of calculating the simplest formulas of chemical compounds. K S Lemishchenko Sbor nauch.trud. KGRI no.10:372-375 '61.

CHEMICAL COMPOUNDS—OPTICAL PROPERTIES

Methods of determining molecular refractions of chemical compounds [with summary in English]. P.G.Maslov. Zhur.fiz.khim. 38 no.2,304-312 F '64.

CHEMICAL ELEMENTS

Methods of determining the background content of chemical elements during geochemical prospecting. S V.Grigorian. Razved.i okh.nedr 30 no.2;26-30 F '64.

Place of lanthanides and actinides in the D.I. Mendeleev periodic system of elements and the shift of analog elements in accordance with their chemical properties. V.K.Grigorovich. Trudy Inst.met. no.14:188-211 '63.

Some characteristics of the specific gravity of the elements related to the a- and b- subgroups in the periodic system. A.S Povarennykh. Sbor.nauch trud. KGRI no.10,45-50 '61.

CHEMICAL ELEMENTS—ANALYSIS

Study of colored compounds of some rare elements with organic reagents. M.K.Akhmedli and others. Azerb. khim.zhur no.5;93-104 '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref.zhur : Khim.i khol.mashinostr no.8 Ag '64.

CHEMICAL EQUILIBRIUM

Calculation of the equilibrium constants from cryoscopic titration curves [with summary in English]. T.N. Sumarokova. Zhur.fiz.khim. 38 no.2;316-320 F '64.

Equilibrium constants of isobutane dissolved in water. A.IU.Namiot, M.M.Bondareva. Nauch.-tekh.sbor.po dob.nefti no.17:69-71 '62.

Equilibrium constants of nitrogen dissolved in water at temperatures ranging from 150 to 200°. A.IU.Namiot, M.M.Bondareva. Nauch.-tekh.sbor.po dob.nefti no.17;66-68 '62.

Equilibrium of 2-chlorobutane dehydrochlorination. S.V. Levanova, D.N.Andreevskii. Neftekhimiia 4 no.2. 329-336 Mr-Ap '64.

Reaction equilibrium of the reduction of iron orthosilicate with carbon monoxide at temperatures from 850 to 1150°C. B.G.Lebedev, V.A.Levitskii. Zhur.fiz. khim. 36 no.3:630-632 Mr '62.

Relation between the rate constants and equilibrium constants of reactions in solutions under pressure. B.S. El'ianov, M.G.Gonikberg. Zhur.fiz.khim. 36 no.3: 604-607 Mr '62.

CHEMICAL GENETICS

Recording tautomeric forms of bases in the process of the construction of a genetic code IU.A.Krugliak, V.I Danilov, V.M.Gaidai. Dokl.AN SSSR 157 no.1: 201-202 Jl '64.

CHEMICAL INDUSTRIES

(see also subdivision under Azerbaijan; Bulgaria; Donetsk Province; Karatau; Karatau, Kazakhstan [illegible] Moscow Province; Yaroslavl)

All effo [illegible]
at the [illegible]

progress and labor [illegible]
from chemical and machinery industry enterprises] Tekhnicheskii progress i organizatsiia truda; po materialam predpriiatii khimicheskoi i mashinostroitel'noi promyshlennosti. Moskva, Izd-vo "Mysl'," 1964. 213 p.

How chemistry helps coal preparation. V.Klassen. Sov.shakht. 13 no.4:9-10 Ap '64.

Large-scale chemistry at our forefront. Radio no.1: 1-2 Ja '64.

Liquefied gases as raw stock for the chemical industry. B.S.Reikson. Gaz.prom. 9 no.6:1-2 '64.

Metallurgy's contribution to chemistry V V Lempitskii. Metallurg 9 no 7 3-4 Jl '64

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [Control computers in the petroleum refining and chemical industries; foreign systems] Upravliaiushchie vychislitel'nye mashiny v neftepererabatyvaiushchei i khimicheskoi promyshlennosti; zarubezhnye sistemy. Tematicheskii nauchno-tekhnicheskii sbornik Moskva, 1962. 41 p. (Seriia: Neftepererabotka i neftekhimiia) [MICROFILM]

The role of science and prospects for the development of production forces in the period of the large-scale building of communism. N.I.Babenko. Nauch.dokl vys. shkoly; filos.nauki 7 no.1;3-11 '64.

CHEMICAL INDUSTRIES—BUILDINGS AND STRUCTURES

Experimental design of a new type of administration and general services building V V Blokhin, IU. V Beresnevich Adm.-byt komb ugol' shakht no 5;18-25 '62.

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Rollers for the processing of electrode carbon mass. M I Solomentsev, A.A Kozachok Khim prom [Ukr] no 3;60-62 Jl-S '63

CHEMICAL INDUSTRIES—FINANCE see subdivision under Azerbaijan; Ukraine

CHEMICAL INDUSTRIES—HYGIENIC ASPECTS

Major chemical industrial complexes and industrial hygiene. A, Letavet. Okhr truda i sots strakh. 7 no 5:2-5 '64

Sanitary and hygienic aspects of the manufacture of PN-1 make polyester resins. IU S.Kriukov, T.P.Poliakova. Plast massy no.2;19-21 '64.

CHEMICAL INDUSTRIES—LABOR PRODUCTIVITY

Basic sources for the increase of labor productivity in the chemical industry. L.M.Profatilova. Khim.prom. [Ukr.] no.3,67-70 Jl-S '63.

CHEMICAL MACHINERY

Development of the chemical machinery industry and objectives of the introduction of chemical processes into the national economy. L.A.Kostandov. Vest. mashinostr 43 no.12:3-6 D '63.

Green light to chemical orders. N.Vasil'ev. NTO 6 no.5;14 My '64.

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION (see also subdivision under Moscow)

Design for a new type of a chemical plant. M E.Ostrovskii and others Prom stroi 41 no 7,13-18 Jl '64

Unifying the dimensions of blocks of general plans for chemical plants V.A Rygalov Prom stroi 41 no.7 19-22 Jl '64.

Using lightweight structures for chemical plants V B. Sokolov, I A.Kuchinskaia Prom stroi 41 no.7 22-24 Jl '64

CHEMICAL REACTION, HEAT OF

Free energy of the reaction of calcium fluoride formation M A Mikhailov. Izv Sib otd.AN SSSR no 9 116-117 '62

CHEMICAL REACTION, RATE OF

Circuit of a redoxistat with continuous proportioning of reagent for the synthesis of some substances and the simultaneous study of the kinetics of corresponding reactions [with summary in English]. M.S.Sytilin. Zhur.fiz.khim. 38 no.2;518-520 F '64.

Determination of the rate constant of the reaction of atomic oxygen with methane. V.V.Azatian, A.B.Nalbadian, TSui Men-iuan' [Tsui Mêng-yuan]. Kin.i kat. 5 no.2;201-210 Mr-Ap '64.

Determination of the relative rate constants of reactions between peroxide radicals and inhibitors. E.T.Denisov, A.L.Aleksandrov. Zhur.fiz.khim. 38 no.2;491-494 F '64.

Kinetics and mechanism of the thermal decomposition of ethane (high temperature region). IU.I.Kudriavtseva, V.I.Vedeneev, O.M.Niazian. Dokl.AN Arm.SSR 39 no.1;29-33 '64.

Kinetics of bimolecular chemical reactions as studied by a pulse chromatographic technique. V.G.Berezkin, V.S.Kruglikova, N.A.Belikova. Dokl.AN SSSR 158 no.1;182-185 S-O '64.

New method of estimating the relations of the rate constants in reactions between radicals and their acceptors. L.T.Bugaenko, V.M.Biakov. Dokl.AN SSSR 158 no.1; 186-188 S-O '64.

Quantitative investigation of radical reactivity by the method of competing reactions. Reactions of a phenyl radical with phenol, aniline, and anisole. M.V.Basilevskii, Kh.S.Bagdasar'ian. Kin.i kat. 5 no.2;215-220 Mr-Ap '64.

Relation between the rate constants and equilibrium constants of reactions in solutions under pressure. B.S. El'ianov, M.G.Gonikberg. Zhur.fiz.khim. 36 no.3; 604-607 Mr '62.

Temperature dependence of the rate of peroxysulfate-triethanolamine reaction. O.A.Chaltykian, N.M. Beilerian, A.L.Samvelian. Dokl.AN Arm.SSR 39 no.1;35-40 '64.

Thermal decomposition of silver sulfite containing Pb^{++} and VO_3^{-} admixtures. IU.A.Zakharov, G.G.Savel'ev. Kin.i kat. 5 no.2,345-347 Mr-Ap '64.

CHEMICAL REACTIONS

Calcium hydroxide reaction with quartz glass and quartz sand at temperatures from 120° to 210°C V Slizys, I Valikus. Trudy AN Lit. SSR. Ser B no.1 161-168 '62

Structure of shock waves in the air allowing for the kinetics of chemical reactions and the excitation of molecular vibrations of nitrogen S I Anisimov, N M Kuznetsov, E F Nogotov Teplofiz vys temp 2 no 3 337-343 My-Je '64

CHEMICAL REACTORS

Theory of reactors operating with total recycling; on the concentration gradient. M.F.Nagiev, P.V.Karamzin, Z.A.Zaitseva. Azerb.khim zhur. no.5;79-84 '63.

CHEMICAL REACTORS—AERODYNAMICS

Aerodynamics of a cyclone reactor with atomizers. S.M. Ivanov, I.M.Khanin. Trudy DKHTI no.16;139-148 '62.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL STRUCTURE

A.M.Butlerov's theory of chemical structure. L.L. Potkov. Zhur.fiz.khim. 36 no.3;417-428 Mr '62.

Synthesis and properties of hydrocarbons with two adjacent three-membered carbon rings. A.P.Meshcheriakov, I.E.Dolgii Izv.AN SSSR Ser khim. no 7: 1333-1335 Jl '64.

CHEMICAL TESTS AND REAGENTS

Chemical reagent for the treatment of muds based on a ligroin-kerosine fraction of crude phenols D S. Kasum-Zade, G.IA Dedusenko, T A Markarova. Azerb.neft.khoz 43 no 3,18-19 Mr '64

Determining the quality of a powder carbon-alkali reagent. E D.Shchetkina and others Azerb.neft.khoz 43 no 3:20-21, 33 Mr '64.

Dimercaptothiopyrones, new analytical reagents. Report No.1: Synthesis of dimercaptothiopyrones. A.M. Arishkevich, IU.I.Usatenko. Trudy DKHTI no.16,43-46 '62.

Investigating the stabilization of mineralized clay muds with a starch reagent in combination with a sulfite-alcohol residue. E.P.Okhrimenko, V.D.Malevanskii. Trudy VNIIGAZ no.19/27:151-164 '64.

Obtaining a reagent for clay muds from sulfite-alcohol residue by chlorination N N.Beller, Z I Kurshanova, I M Chernysheva. Trudy KNII NP no.17 12-22 '62

Study of colored compounds of some rare elements with organic reagents. M.K.Akhmedli and others. Azerb. khim.zhur. no.5;93-104 '63.

CHEMICAL WARFARE

Oreder of special treatment. I.Mikoliuk. Voen.vest. 44 no.7;55-56 Jl '64.

CHEMICAL WARFARE—SAFETY MEASURES

And again on a cruise V Milanov Starsh.-serzh no.7;6-7 Jl '64

Averbukh, V.L., and S.P.Petrov. [Protection of the population from chemical weapons] Zashchita naseleniia ot khimicheskogo oruzhiia. Moskva, Izd-vo "DOSAAF," 1964. 46 p. (Naseleniiu o grazhdanskoi oborone)

Zubkin, A.S., and A.F.Mel'kov. [Antichemical protection of the population] Protivokhimicheskaia zashchita naseleniia. Moskva, DOSAAF, 1958. 1 v. (chiefly illus.) [PHOTOCOPY]

CHEMICAL WORKERS see subdivision under Omsk

CHEMICAL WORKERS—DISEASES AND HYGIENE

Incidence of disease among the workers of a chemical combine causing a temporary loss of their working capacity M P.Kotel'nikova Zdrav Ros Feder. 8 no.1 22-25 Ja '64

CHEMICAL WORKERS—EDUCATION AND TRAINING see subdivision under Azerbaijan

CHEMICALS—PHYSIOLOGICAL EFFECT

Effect of some substances on the transfer of stimulation from the nerve to the muscle. A.M Aleksanian, T.K Kiprilan. Zhur.eksp.i klin.med. 4 no.2;3-7 '64

CHEMISTRY

Moralevich, IU.A. [Stories of synthetic chemistry] Rasskazy o bol'shoi khimii. Moskva, Politizdat, 1964. 141 p.

Shchukarev, S.A. [Lectures for a general chemistry course] Lektsii po obshchemu kursu khimii. [Leningrad] Izd-vo Leningr.univ.
Vol.2. 1964. 440 p.

CHEMISTRY—ABSTRACTS

[Chemistry] Ref.zhur.:Khim. nos.9,12 My-Je '64. Formul'nyi ukazatel' za 1961 g.,vol.5. Avtorskii ukazatel' za 1962 g.,vol.4 H-N. Predmetnyi ukazatel' za 1962 g., vol.1, A-I.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—DICTIONARIES

[Short chemical encyclopedia] Kratkaia khimicheskaia entsiklopediia. Red. kollegiia I.L.Knuniants i dr. Moskva, Izd-vo "Sovetskaia Entsiklopediia." (Entsiklopedii, slovari, spravochniki)
Vol 3. [Maltase - Pyrolysis] Mal'taza - Piroliz. 1964 1112 columns.

CHEMISTRY—STUDY AND TEACHING (see also subdivision under Kazan)

Chemical experiment as a first step toward knowing the depths of science. N.I Kucherenko. Rad.shk. 42 no.4 73-78 Ap '64

For the greater efficiency of chemistry lessons. N.K. Rudoi. Vech.sred.shkola 7 no.2;61-63 Mr-Ap '64.

Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; chemistry] Programmy srednei shkoly na 1964/65 uchebnyi god, khimiia Moskva, Prosveshchenie, 1964. 29 p.

Using the production experience of students in chemistry classes. M.G.Dudko. Vech.sred.shkola 7 no.2;63-66 Mr-Ap '64.

CHEMISTRY, ANALYTICAL

Application of crystallization methods in physicochemical analysis. V.N.Vigdorovich, A.E.Vol'pian. Zhur.fiz. khim. 36 no.3;429-436 Mr '62.

Combined method for the determination of the phase composition of high-alumina refractories. V.V. Goncharov, S.P.Shmitt-Fogelevich, M.E.Borodacheva. Zav lab. 30 no 6 729-730 '64.

Comparative evaluation of methods for quantitative determination of alkaloids in extracts from biological material V P Kramarenko, Z.S Rokach Farmatsev. zhur 16 no 1:28-32 '61

Elemental analysis of organofluorine compounds. Simultaneous microdetermination of fluorine, chlorine, and nitrogen. N.E.Gel'man, N.I.Larina. Zhur.anal. khim. 19 no.5;593-597 '64.

CHEMISTRY, ANALYTICAL—CONGRESSES

Moscow seminar on analytical chemistry. IU.M.Dedkov. Zhur.anal.khim. 19 no 5;653 '64.

CHEMISTRY, ANALYTICAL—LABORATORY MANUALS

Rabovik, IA.I., O.M.Oreshkina, and E.G.Gorbacheva. [Laboratory manual of qualitative analysis for correspondence-course students of the faculties of agronomy and zootechny] Rukovodstvo k prakticheskim zaniatiiam po kachestvennomu analizu dlia studentov-zaochnikov agronomicheskogo i zootekhnicheskogo fakul'tetov. Moskva,1963. 170 p. diagrs. (insert)

CHEMISTRY, ANALYTICAL—QUALITATIVE

G.Ackermann's "Introduction to qualitative inorganic semimicroanalysis." V.M.Ivanov. Zhur.anal.khim. 19 no.5;651 '64.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. [Methodological recommendations on the determination of trace elements in soils, plant and animal organisms] Metodicheskie rekomendatsii po opredeleniiu mikroelementov v pochvakh, rastitel'nykh i zhivotnykh organizmakh. [n.p.] Otdel nauchno-tekhn.informatsii VIZha, 1963. 61 p. (V pomoshch' nauchnym i prakticheskim rabotnikam) [MICROFILM]

Tananaev, N.A., and others. [Quantitative chemical fractional analysis, manual for practical work] Kachestvennyi khimicheskii drobnyi analiz, rukovodstvo k prakticheskim zaniatiiam. Sverdlovsk, Ural'skii politekhn. in-t imeni S.M.Kirova.
Pt.1. Tananaev, N.A., ed. 1962. 83 p. [MICROFILM]

CHEMISTRY, INORGANIC

General meeting of the Physicochemical and Technology Section of Inorganic Materials at the Academy of Sciences of the U.S.S.R. V.G.Lebedev. Izv.AN SSSR. Met.i gor.delo no.2:192 Mr-Ap '64.

CHEMISTRY, ORGANIC

Houben-Weyl's "Methods of organic chemistry." N.M. Platunina. Zhur.anal.khim. 19 no.5;652 '64.

Reutov, O.A. [Theoretical principles of organic chemistry] Teoreticheskie osnovy organicheskoi khimii. [Moskva] Izd-vo Mosk. univ., 1964. 697 p.

CHEMISTRY, TECHNICAL

Plus chemicalization. B.IAkovlev Nov.mir 40 no.4;197-214 Ap '64.

The year that has past and the year to come. Transp. stroi. 14 no.1 1 Ja '64.

CHEMOTHERAPY (see also subdivision under United States)

Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. V.S.Chefranov, A.A.Klebanova. Probl.tub. 42 no 1;44-48 '64.

CHEMOTHERAPY (Continued)

Effectiveness of different methods of endobronchial therapy in the complex treatment of patients with bronchial and pulmonary tuberculosis IU M. Guzeev. Probl.tub. 42 no 1:34-39 '64.

Review of the activity of the International symposium on the effectiveness of antibacterial treatment of tuberculosis with the basic preparations I E Sorkin. Probl tub. 42 no 1:91-94 '64.

Sensitivity of the skin to tuberculin in cavernous forms of pulmonary tuberculosis and its changes in the process of bacteriostatic treatment. I N Arkhangel'skii. Trudy Inst.eksp.i klin khir.i gemat AN Gruz.SSR 11:193-204 '63.

Some problems in the resistance of tumors to chemical preparations. S. A. Papoian Vop.rent i onk. 7 155-162 '63.

CHERENKOV RADIATION

Radiation from a charge, variable with time, moving in a medium at *constant speed* A TS Amatuni, G. M. Garibian, S. S. Elbakian. Izv AN Arm SSR Ser fiz.-mat. nauk 16 no. 6:101-112 '63

CHEREPOVETS (VOLOGDA PROVINCE)—IRON AND STEEL PLANTS

The decisions of the December and February Plenums of the Central Committee of the CPSU should be carried out. A Storozhev Metallurg 9 no 7 5-6 Jl '64

CHEREPOVETS (VOLOGDA PROVINCE)—IRON AND STEEL WORKERS

Steel and characters IU. Dobriakov. Sov. profsoiuzy 20 no.16 10-12 Ag '64

CHERNIGOV—DISTRIBUTIVE EDUCATION

For close contact with life. V. Dmitriev. Sov. potreb. koop. 6 no.5:34-36 My '64.

CHERNOYERKOVSKAYA REGION (KRASNODAR TERRITORY)—FISHES—FOOD

Dynamics of the food supply in Sukhoy and Yurchevskiy limans under conditions of commercial fish culture I. G. Kurdova, N. N. Kharin Trudy AzNIIRKH no. 6. 143-162 '63

CHERNOZEM SOILS see subdivision under Krasnodar Territory

CHERNUKHA (GORKIY PROVINCE)—MEDICINE—STUDY AND TEACHING

Work training of students of the fourth course. A N. Kalamovskii, V A. Simonov, V L. Eloinik. Zdrav Ros Feder. 8 no 1,27-29 Ja '64

CHESS

Business and chess. A. Liliental'. Sov. profsoiuzy 20 no.15 40 Ag '64.

Chess. I. A. Kan. Voen. vest. 43 no.4:127-128 Ap '64.

Chess. I. A. Kan. Voen. vest. 44 no.7:127-128 Jl '64.

The prizewinner, a sergeant of the "Honvéd." A Korol'kov. Starsh.-serzh. no 7.30 Jl '64

CHESS—OPENINGS

Selection of an opening move. A. Liliental'. Sov. profsoiuzy 20 no.14 48 Jl '64.

CHESS—TOURNAMENTS see subdivision under Amsterdam

CHESS PROBLEMS

Chess. Sov. voin 40 no.9:46 My '64.

CHEST—DISEASES

Roentgenological picture of changes in the lungs, pleura and thoracic lymph nodes in chronic forms of leukemia. O. A. TSukerman. Probl. gemat. i perel. krovi 8 no. 8: 13-17 Ag '63.

CHEST—INNERVATION

Anatomical data on nervous connections between the sympathetic trunk and the vagus nerve in the thoracic region of human fetuses and newborn infants. A. I. Lubbok, F. Sh. Sharafislamov. Arkh. anat., gist. i embr. 41 no. 11:93-97 N '62.

CHEST—RADIOGRAPHY

Roentgenological picture of changes in the lungs, pleura and thoracic lymph nodes in chronic forms of leukemia. O. A. TSukerman. Probl. gemat. i perel. krovi 8 no. 8: 13-17 Ag '63.

X-ray observations on heart and lung changes following mitral commissurotomy. E. L. Kevesh, A. N. Guseva. Grud. khir. 5 no. 5:9-16 S-O '63.

CHEST—SURGERY

Use of exercise therapy in fibrous and cavernous pulmonary tuberculosis after thoracoplasty at the Abastumani Health Resort. P. A. Mkheidze, I. B. Mikhlina. Vop. kur., fizioter. i lech. fiz. kul't no. 6:552-554 '63.

CHEYLETIDAE

Two new species of predatory mites of the family Cheyletidae (Trombidiformes). V. I. Volgin. Ent. oboz. 42 no. 4:935-944 '63

CHIK REGION (NOVOSIBIRSK PROVINCE)—AGRICULTURAL MACHINERY—TESTING

Studying the reliability of the machine and tractor pool on the Chik State Farm V V *Lazovskii* Nauch trudy SibVIM no 1 54-61 '63

CHILD STUDY

Carrying out of verbal instructions by two-year old children. L. G. Kalinina. Izv APN no 129 183-187 '63.

CHILDREN

Duration of systole phases in normal children of various ages. M. A. Buridze-Sturua. Soob. AN Gruz. SSR 33 no. 3:729-736 Mr '64.

CHILDREN—CARE AND HYGIENE

Diadiuchenko, I. B., Z. A. Druchevskaia, and B. A. Zarubina. [Building up strength in young children] O zakalivanii detei rannego vozrasta. Frunze, Kirgizskii nauchno-issl. in-t okhrany materinstva i detstva, 1963. 19 p. [DNLM MICROFILM]

Pratusevich, IU. M. [Mental fatigue of schoolchildren, sypmtomatology, physiological nature and means of elimination] Umstvennoe utomlenie shkol'nika, simptomatika, fiziologicheskaia priroda i puti ustraneniia, Moskva, Meditsina, 1964. 458 p.

CHILDREN—DISEASES

(see also subdivision under Dushanbe)

Bronchological examination of children with chronic pulmonary tuberculosis G. L. Feofilov, R. M. Perel'man, L. P. Khramova Probl. tub. 42 no 1:16-21 '64

Cancer of the thyroid gland in children S B Pinskii, A. P Kalinin, Vop. onk. 10 no.3:72-77 '64.

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection F M Ganago. Probl. tub. 42 no 1:6-11 '64.

Review of M. V. Volkov's book "Primary bone tumors in children; diagnosis and surgical treatment". V. IA. Shlapoberskii. Vop. onk. 9 no. 6:134-135 '63.

Review of R. S. Gershenovich's book "Leischmaniasis of the viscera in children." N. A. Mirzoian. Med. paraz. i paraz. bol. 32 no 4:493-495 Jl-Ag '63.

Rupture of the ovary in children. M. A. El'kin, M. I. Zel'tser. Akush. i gin. 40 no.1:141-142 Ja-F '64.

Significance of the somatic link in the pathogenesis of psychogenic reactions in children. S. S. Mnukhin, E. I. Bogdanova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:227-233 '63.

Staphylococcal pneumonia in young children. N. V. Vail'. Trudy Tadzh. med. inst. 50:59-65 '61

CHILDREN—GROWTH

(see also subdivision under Dzhalal-Abad, Kirghizistan; Frunze)

In a locality of endemic goiter, the physical development of children depends on the state of the thyroid gland F G Tazetdinova. Zdrav. Ros. Feder. 8 no 1:16-18 Ja '64.

CHILDREN—MANAGEMENT

Eiges, N. R. [Training of the very young] Vospitanie samykh malen'kikh. Moskva, Izd-vo "Znanie," 1964. 70 p. (Narodnyi universitet kul'tury: Pedagogicheskii fakul'tet, no. 1)

For the notebook of a class adviser Nar. obr. no 8:71 Ag '64

K. D. Ushinskii's philosophical and psychological base of the problem of students' educational activity and independence training. V. A. Nerovnykh. Izv. APN no. 129:112-116 '63.

Let's get closer to each student! Nar obr no 8:1-5 Ag '64.

Let's search and go on searching! E Krechetova. Nar. obr no 8:81-87 Ag '64

Letter from Leningrad I. Druzhinin, A. Semenov. Nar. obr. no. 8 69-71 Ag '64.

Pedagogical tact in moral education. V. F. Boiko. Rad. shk. 42 no. 4:42-44 Ap '64.

Psychological preparation of students for work V. A. Permiakova. Nach. shkola 32 no. 8 3-7 Ag '64.

Training of firstgraders in good behavior. F K. Alimov. Nach. shkola 32 no. 7:16-19 Jl '64.

Training of will power in adolescents. L. I. Ruvinskii. Izv. APN no. 129,32-35 '63.

What does a teacher think. Nar. obr. no 8:94-97 Ag '64.

CHILDREN—NUTRITION see subdivision under Dushanbe; Verkhniy Rogachik (Kherson Province)

CHILDREN'S CLUBS see subdivision under Moscow Province

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE, UKRAINIAN

Bilets'kyi, D. M. [Ukrainian children's literature; textbook for the pedagogical institutes of normal schools] Ukrains'ka dytiacha literatura; posibnyk dlia pedagogichnykh instytutiv, peduchylyshch. Kyiv, Radians'ka shkola, 1963. 233 p.
(NN)

CHILDREN'S MUSEUMS see subdivision under Zolotonosha (*Cherkassy Province*)

CHILDREN'S PLAYS

New generation of fairy tales Nina Davydova Teatr 24 no 12 23-33 D '63

CHILE—POLITICS AND GOVERNMENT

Chile on the eve of elections R Tuchnin Mir ekon i mezhdunar. otn no.8 96-97 '64

CHILLAGITE see subdivision under Transbaikalia

CHIMERAS (BOTANY)

Characteristics of the individualized [illegible] of chimeral poplars A.E Vasil'ev Nauch dokl vys shkoly. Biol nauki no 3 164-169 '64

CHINA—AFFORESTATION

Monograph on the vegetation and forestry of the loess province of North China G. V. Krylov Izv Sib otd AN SSSR no 12 151-152 '62

CHINA—COMMUNIST PARTY

Petty-bourgeois socialism *and the leaders of the* Communist Party of China. Part. zhizn' no.15,8-20 Ag '64.

Proletarian internationalism as a banner of the workers of all countries and continents Komm Ukr 39 no 5: 15-40 My '64.

Some aspects of the internal life in the Communist Party of China. Agitator no.10:20-22 My '64.

CHINA—FOREIGN RELATIONS—RUSSIA

Consequences of Soviet-Chinese discord, based on materials of a general discussion at the Institute for the Study of the U. S. S. R. P. P. Kruzhin. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52,22-34 N-D '63.

Letter of the Central Committee of the CPSU to the Central Committee of the Communist Party of China Kommunist 41 no 10 9-20 Jl '64

Letter of the Central Committee of the Communist Party of China to the Central Committee of the CPSU Kommunist 41 no 10 20-24 Jl '64

CHINA—POLITICS AND GOVERNMENT

The building of communism in the U. S S R. and the world *socialist* system. *S. Zhurba.* Komm Ukr 39 no 5:86-92 My '64

CHINA—SOIL CONSERVATION

Monograph on the vegetation and forestry of the loess province of North China G. V Krylo Izv. Sib otd AN SSSR no 12,151-152 '62

CHIR VALLEY—PETROLEUM GEOLOGY—MAPS

Geological maps of the horizontal shears in the region of the Chir-Don dislocations. V. A Dolitskii and others Izv vys ucheb zav., neft' i gaz 5 no 10 11-14 '62

CHIRIKOV, FEDOR VASIL'EVICH, 1880-

Eightieth birthday of Fedor Vasil'evich Chirikov A V Sokolov, F V Turchin, E I Shkonde Agrokhimiia no 1 151-155 Ja '64

CHIRONOMIDAE

Taxonomy and development of Glyptotendipes glaucus Mg. and G. gripekoveni Kieff (Diptera, Chironomidae) Ent oboz. 42 no 4:888-908 '63

CHKALOV PROVINCE see Orenburg Province

CHLORAL

Effect of tofranil on the action of hexenal, chloral hydrate and morphine in mice. I. P. Lapin Farm. i toks. 26 no. 5:564-568 S-O '63.

Reactions of dicyanodiamide with acetaldehyde and chloral. A. E. Kretov, G. V. Tikhonova. Zhur. ob. khim. 34 no. 7:2428-2430 Jl '64.

CHLORAL—PHYSIOLOGICAL EFFECT

Reactivity of the animal body to narcotics following a prolonged effect of lateral acceleration. V. E. Belai, P. V. Vasil'ev, S. P. Kolchin. Farm. i toks. 26 no. 5 559-563 S-O '63.

CHLORATES

Extraction-photometric determination of perchlorates in the presence of chlorates. V. A. Golosnitskaia, V. I. Petrashen'. Trudy NPI 143:73-81 '63.

CHLORETHIAZOLE

Chemical and pharmacological study of hemithiamine, a new hypnotic preparation. V. L. Vanevskii and others. Farm. i toks. 25 no. 6:657-662 N-D '62.

CHLORINATION

Investigating the chlorination process of granulated high-titanium slag in a fluidized bed. E I Machkasov, E. N Suleimenov, V D Ponomarev. Trudy Inst met i obog AN Kazakh SSR 8 32-39 '63

Krentsel', B. A. [Chlorination of paraffin hydrocarbons] Khlorirovanie parafinovykh uglevodorodov. Moskva, Nauka, 1964. 157 p

Methods of concentration and recovery of vapor-form chlorination products. E N. Suleimenov, E I Machkasov Trudy Inst met. i obog AN Kazakh. SSR 8 19-31 '63

CHLORINATION (Continued)

[illegible] sulfite-alcohol [illegible] Z I [illegible] 17 12-22 '63

CHLORINE

[illegible] ities on the oxidation regularities [illegible] with chlorine and hypochlorite in rat- [illegible] G. B. Zolkina, S. I. IA[illegible] Izv AN [illegible] khim. i geol nauk no [illegible]

CHLORINE—ANALYSIS

[illegible] chlorine combined with silicon in organochlorosilanes. B. M. Luskina, A. P. Terent'ev, S. V [illegible] Zav. lab. [illegible] no 2:62-63 '64.

CHLORINE—EFFECT ON PLANTS see Plants, Effect of chlorine on

CHLORINE ORGANIC COMPOUNDS

[illegible] chlorine-containing monomers by the [illegible] hexachlorobutadiene with maleic [illegible] esters. IU. G. Mamedaliev, M. M. [illegible] Azerb khim zhur, no.5: [illegible]

CHLORITES

Catalytic decomposition of chlorites. Pt 4. The mechanism of reaction. A Prokopcikas, J Bartasiunas Trudy AN Lit SSR Ser B no 1:141-151 '62.

CHLOROMETHYLATION

Chloromethoxymethylation and conversions of products obtained. Report No. 4. Action of a chloromethylating mixture on ethyl esters of α-arylacetoacetic acids. V. V. Dovlatian, D. A. Kostanian. Izv AN Arm. SSR. Khim. nauki 16 no. 6.559-563 '63.

Chloromethoxymethylation and conversions of products obtained. Report No. 5: Problem of formation of S-substituted derivatives of thiourea from α-chloro ethers. V. V. Dovlatian, Z. A. Gambarian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6 565-569 '63.

Chloromethylation of 2,1,3-benzothiadiazole and its derivatives. V G. Pesin, E K D'iachenko. Zhur. ob. khim 34 no 7 2475 Jl '64.

Chloromethylation of esters of phenoxyacetic and β-(phenoxy)-propionic acids. A. A. Aroian, V. V. Darbinian. Izv. An Arm. SSR. Khim. nauki 16 no. 1 59-67 '63.

CHLOROARYLATION

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 18: Chloroarylation of diisopropenyl. N. I Ganushchak and others. Zhur. ob. khim 34 no 7 2238-2243 Jl '64.

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 19: Chloroarylation of α-chloroacrylonitrile. N. O. Pastushak, A V. Dombrovskii, L. I Rogovik. Zhur. ob khim 34 no. 7:2243-2246 Jl '64.

CHLOROPHOS

Studying the stability of chlorophos. S. M Shogam, I L. Egorova. Khim. v sel'. khoz. 2 no. 4:21-23 Ap '64.

CHLOROPHYLL

Chlorophyll content of the needles of damaged pine. A. N. Pristrenko. Izv. Sib. otd. AN SSSR no 12 115-119 '62

Chlorophyll content of timothy grass at different ages. A R Chepikova. Biul. MOIP. Otd biol. 68 no. 3 131-133 My-Je '63

Complete synthesis of chlorophyll and its biosynthesis. T. N. Godnev, N. K. Akulovich, R. M. Rotfarb. Usp. sovr. biol. 55 no. 2 204-218 Mr-Ap '63.

Demonstration experiment on photosensitizing action of chlorophyl. A. A. Gurevich. Nauch. dokl vys. shkoly; biol. nauki no 3:154-155 '64.

Paper chromatography of chlorophylls a and b. E. M. Stanisheuskaia. Vestsi AN BSSR. Ser. biial. nav. no. 4: 52-56 '62.

Quantitative relation between the chlorophyll and photosynthesis. V. I Haponenka. Vestsi AN BSSR Ser biial. nav no. 4:28-33 '63

Relation between the state of chlorophyll and electron paramagnetic resonance spectra in plant leaves. G. T. Rikhireva, A A Krasnovskii, L. P. Kalushin. Dokl. AN SSSR 156 no. 6:1451-1454 Je '64.

Studying the adsorption of chlorophyll on organic and inorganic carriers. L. I. Nekrasov, N I Kobozev, G. G. Komissarov. Biofizika 7 no 5:568-570 '62.

CHLOROPHYLL—SPECTRA

Low-temperature spectra of plant leaves and the state of chlorophyll. F F. Litvin, G T. Rikhireva, A A. Krasnovskii. Biofizika 7 no. 5:578-591 '62.

Spectral study of the state of water in chlorophyll. A. V Kariakin, A K. Chibisov Biofizika 7 no 5:581-567 '62.

CHLOROPIDAE

Larvae of some species of grass flies of the genus Chlorops Mg. (Diptera, Chloropidae) in the European part of the U.S.S.R. M. I. Zhabinskaia. Ent. oboz. 42 no 4 924-934 '63.

CHLOROPLATINIC ACID

Activity of Pt blacks prepared in the ultrasonic field from H_2PtCl_6 solutions of various concentrations. Li Ven'-chzhou [Li Wên-chou]. A. M Mal'tsev, N I. Kobozev Zhur fiz khim. 38 no 2 439-441 F '64.

CHLOROPRENE

Effect of chloroprene on the formation of hyposulfite from cystine, cysteine, sulfide, and sulfite in the presence of pyridoxal coenzyme system. G. V Matinian. Izv AN Arm. SSR. Biol. nauki 17 no. 2,39-48 F '64

CHLOROPRENE—TOXICOLOGY

Role of lipid peroxides in the mechanism of radiation effect on the background of chloroprene intoxication. S G. Shukurian. Vop. rent. i onk 7.205-211 '63.

Tissue respiration in combined radiation effect. S. G. Shukurian Vop. rent. i onk. 7 199-204 '63.

CHLOROSULFONYLATION

Chlorosulfichlorination and chlorosulfochlorination of ethylene. Conversion of β-chloroethane sulfinic acid to thio ether. A I Titov, A N. Baryshnikova Dokl. AN SSSR 157 no 1 139-142 Jl '64

CHLORPROMAZINE

Effect of aminazine and reserpine treatment on enzyme activity (catalase, transaminase and aldolase) in the blood of schizophrenia patients. V. M. Vashetko. Fiziol. zhur. 10 no. 1:82-88 '64.

Effect of reserpine, aminazin and aprophen in experimental hypertension. M. V. Pan'shina. Farm. i toks. 26 no 5 537-542 S-O '63.

Effect of some vasodilating and desensitizing preparations on vessels of the isolated rabbit ear under normal conditions and in sensitization. L. D. Derevianko. Farm. i toks. 26 no 5 611-616 S-O '63.

Hypothermic effect produced on dogs by different doses of chlorpromazine. V. K. Bolondinskii. Farm. i toks. 25 no. 6:667-672 N-D '62.

Morphological changes in the liver of rats under the influence of prolonged introduction of aminazine. A. I. IAkovleva, N. G. Shakhnazarova. Farm. i toks. 26 no. 5,621-624 S-O '63.

Treatment of hypertension aminazine. N. L. Aslanian. Zhur. eksp i klin. med. 4 no. 2:79-84 '64.

CHOKIN, SHAFIK CHOKINOVICH

Sh. Ch Chokin's election as the President of the Academy of Sciences of the Kazakh S.S.R. Vest AN SSSR 34 no 7 120-121 Jl '64.

CHOLANTHRENE

Synthesis of methylcholanthrene from deoxycholic acid. L. N. Volovel'skii. Zhur. ob khim. 34 no. 7:2462-2464 Jl '64.

CHOLESTEROL

Effect of a damp thermal treatment of meat on the content of cholesterol and phosphatides in the meat and its broth. N Kh. Sandler. Sbor nauch. rab stud. Volg. gos. med. inst no 1:37-43 '60

Effect of thyroidin on the distribution of 4-C^{14}-cholesterol in experimental atherosclerosis. L. A. Miasnikov, V. F. Zaitsev. Kardiologiia 2 no. 6:31-37 N-D '62.

Effect of vitamin P (rutin) on the cholesterol content in the blood serum and the level of ascorbic acid in the organs of experimental animals. A. I. TSeitina, S. A. Lapina. Vop pit. 23 no. 1:67-69 Ja-F '64.

Intensity of tissue respiration in some organs in experimental hypercholesteremia and atherosclerosis. L. B. Matysheva. Vop. med. khim. 9 no. 2:142-146 Mr-Ap '63.

Method for the induction of experimental atherosclerosis in rats. F. L. Leites. Pat. fiziol. i eksp. terap. 6 no. 4: 84-86 Jl-Ag '62.

CHOLESTEROL METABOLISM

Effect of p-aminobenzoic acid on the synthesis and decomposition of cholesterol in the liver of healthy and atherosclerosed rabbits. A. F. Ryzhova. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:41-44 O '63.

CHOLINE

Effect of choline chloride on the bilesecreting function of the liver in the dog. N. P. Skakun, I. I. Lesiuk. Farm. i toks. 26 no. 5,616-620 S-O '63.

Effect of the redoxpotential of the external environment on the sensitivity of the muscle to acetylcholine. N. G. Aleksidze. Biofizika 7 no. 5:602-609 '62

Reactivity of the cholinoreceptors in relation to the acetylcholine concentration. M. I. Pliekhanov. Fiziol. zhur. 10 no. 1:119-120 '64.

CHOLINERGIC AGENTS see Parasympathomimetic agents

CHOLINERGIC BLOCKING AGENTS see Parasympatholytic agents

CHOLINESTERASES

Changes in conditioned response function and cholinesterase activity in animal blood under the effect of methyl mercaptophos. N. K. Statsek. Fiziol. zhur. 10 no. 1:122-125 '64.

Cholinesterase, monoamine oxidase and histaminase activity in the mucosa of different segments of the stomach. L. N. Karpenko. Vop. med. khim. 9 no. 2:133-136 Mr-Ap '63.

Quantitative study of the penetration of an organic phosphorus anticholinesterase substance with a positive charge in the molecule from the blood into different segments of the cat brain. D. V. Zeimal'. Farm i toks 26 no 2:157-164 Mr-Ap '63.

CHORAL SOCIETIES see subdivision under Georgia; Moscow

CHROMANONE

Pyran series, its analogs, and related compounds. Part 7: Particularities of the reduction of 4-chromanone oximes and related ketones with lithium aluminum hydride. V. A. Zagorevskii, N V. Dudykina. Zhur. ob. khim. 34 no 7:2282-2286 Jl '64.

CHROMATES

Using chromates to increase the thermal stability of clay muds. E G. Kister and others. Neft. khoz 42 no 7: 23-26 Jl '64.

CHROMATIN

Characteristics of the nucleotide composition of DNA of the perinucleolic chromatin. I B. Zbarskii, [illegible] Ermolaeva, N. G. Khrushchov. Dokl. AN SSSR 157 no. 1:175-177 Jl '64

CHROMATOGRAPHIC ANALYSIS

Kinetics of bimolecular chemical reactions as studied by a pulse chromatographic technique. V. G. Berezkin, V. S. Kruglikova, N. A. Belikova. Dokl. AN SSSR 158 no. 1:182-185 S-O '64.

Method for the rapid chromatographic analysis of hydrocarbons and their derivatives. M. S. Vigdergauz, L. V. Andreev. Khim. i tekh. topl. i masel 9 no. 4:61-66 Ap '64.

Rachinskii, V. V. [Introduction to the general theory of the dynamics of sorption and chromatography] Vvedenie v obshchuiu teoriiu dinamiki sorbtsii i khromatografii. Moskva, Izd-vo "Nauka," 1964. 130 p.

Simultaneous chromatographic determination of the composition of two mixtures. A. A. Zhukhovitskii, N. M. Turkel'taub, L. A. Maliasova. Neftekhimiia 4 no. 2:337-339 Mr-Ap '64.

Thorium determination in the total of lanthanide oxides (politit) by the method of complex-forming chromatography. D. I. Riabchikov, M. P. Volynets. Zhur. anal. khim. 19 no. 5:642-643 '64.

Use of thin-layer chromatography for the analysis of certain diphenols. Z. K. Sopkina, V. D. Riabov. Zhur. anal. khim. 19 no. 5:615-618 '64.

CHROMATOPHORES

Melanophoric reaction in Amphibia following the modification of the nervous system under the influence of neurotropic drugs. B. E. Mel'nik. Dokl. AN SSSR 157 no. 4:1003-1005 Ag '64.

Plastid apparatus of sugar beet leaves in artificial light. A. F. Klieshnin, L. A. Khadaronka. Vestsi AN BSSR. Ser. biial. nav. no. 4:57-59 '62.

Winter condition of chloroplasts in the bark of trees and shrubs. E. I. Barskaia. Bot. zhur. 49 no. 7:947-956 Jl '64.

CHROMITE

Making use of chromite ores with a high silica content in the manufacture of refractories. P. N. Babin, A G. Shcheglov. Trudy Inst met. i obog. AN Kazakh. SSR 8 139-146 '63.

CHROMIUM

Colorimetric method for determining chromium in potassium and mother liquors. M. IA. Ubaluchev, [illegible] Oliinik. Khim. prom. [Ukr.] no. 3:71-72 Jl-S '63.

Effect of the anion and cation composition of waters on the passage of chromium ores in aqueous solution. A. R. Galatian. Izv. AN Arm. SSR. Nauki o zem. 17 no. 2:63-67 '64.

Volumetric method for determining the microgram quantities of chromium. T. S. Zhigalkina, R. S. Lev. A. I. Cherkasov. Trudy Astr. tekh. inst ryb prom. i khoz. no. 6:123-129 '62.

CHROMIUM—ANALYSIS

Separation of iron and chromium in the presence of trilon B on anion and cation exchangers. A A. Mo[illegible] Z. P. Suranova, L. A. Naido. Nauch. ezhegod. Khim fak Od. un. no. 2:63-64 '61.

CHROMIUM—ELECTRIC PROPERTIES

Electric conductivity of chromium, silicon, and chromium disilicide in solid and liquid states. B. A. Baum, P. V. Gel'd, S. I. Suchil'nikov. Izv. AN SSSR. Met. i gor. delo no. 2.149-155 Mr-Ap '64.

CHROMIUM COMPOUNDS

Complex compounds of chromium and iron with 1-dimethylamino-5-methyl-2, 3-hexadien-5-ol. S. N. Avakian, R. A. Karapetian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:535-538 '63.

S[illegible] A. A. [illegible] Nauch [illegible]

CHROMIUM-IRON ALLOYS—TESTING

Characteristics of deformation and changes in the physical properties of chromium-iron alloys. A K. Butylenko, V. N. Gridnev Sbor, nauch, rab, Inst, metallofiz AN URSR no 18.3-17 '64

CHROMIUM-MANGANESE STEEL—WELDING

Effect of titanium on the properties and weldability of chromium-manganese cavitation-resistant steel M I Razikov, S L Milichenko Avtom svar 17 no. 7 11-19 Jl '64.

CHROMIUM-NICKEL ALLOYS see Nickel-chromium alloys

CHROMIUM ORGANIC COMPOUNDS—ABSORPTION SPECTRA

Comparing the electron structure of bis (benzene) chromium and its cation on the basis of X-ray spectrum studies. IU F. Kopelev, E. E Vainshtein. Izv Sib. otd AN SSSR no. 7;98-100 '62

CHROMIUM OXIDE CRYSTALS—GROWTH

Growing chromium oxide crystals by Verneuil's method. A. A. Popova Rost krist. 4:148-150 '64.

CHROMIUM PLATING

Electrolytic chrome plating with alternating current of various cathode and anode components P. I Kryzhanovskii. Sbor. nauch. trud. KGRI no. 10;376-381 '61.

Metal distribution on the electrode surface during deposition by the reversing current. N. T. Vagramian. Izv. AN Arm. SSR, Khim, nauki 16 no. 6:521-525 '63.

CHROMIUM-RUTHENIUM ALLOYS—METALLOGRAPHY

Constitutional diagram of the chromium-ruthenium alloy. A. K. Shurin, G P Dmitrieva. Sbor nauch. rab. Inst. metallofiz AN URSR no. 18 170-174 '64.

CHROMIUM SILICIDES—ELECTRIC PROPERTIES

Electric conductivity of chromium, silicon, and chromium disilicide in solid and liquid states. B. A. Baum, P. V. *Gel'd, S. I.* Suchil'nikov. Izv. AN SSSR, Met. i gor. delo no. 2 149-155 Mr-Ap '64.

CHROMIUM STEEL—METALLOGRAPHY

Electron microscopy of the diffusion of carbide phases during the electric heating of chromium steel V. N. Gridnev, IU N. Petrov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18.115-122 '64.

CHROMIUM STEEL—METALLURGY

Thermodynamic stability of the processes of refining molten Fe-V-C-Si *and Fe-Cr-C-Si with conservation* of vanadium and chromium. B. A. Abramov. Sbor. nauch. trud. Ural. politekh. inst. no. 126:100-111 '63.

CHROMIUM-TITANIUM ALLOYS see Titanium-chromium alloys

CHROMOSOMES

Cytogenetic examination of viral and dimethylbenzanthracene-induced leukemias in rats. B.S. Fichidzhian, E.E. Pogosiants, E.L. Prigozhina. Vop. onk. 10 no. 3: 34-41 '64.

Effect of low temperatures upon the mitosis and chromosomes of plants. V. G. Grif. TSitologiia 5 no. 4:404-413 Jl-Ag '63.

Radioautographic study of chromosome reproduction in Vicia faba. A. B. Iordanskii. Dokl. AN SSSR 158 no. 1: 192-195 S-O '64.

CHRYSOLITE

Some characteristics of the petrogenesis of rocks containing ferruginous olivine. N. F. Shinkarev. Trudy Lab. geol. dokem. no. 19:359-364 '64.

CHU DEPRESSION—GEOLOGY, STRUCTURAL

New data on the tectonics of the Chu Depression. G. Kh. Dikenshtein, F. E. Sinitsyn, N. M Sardonnikov. Dokl. AN SSSR 157 no 1 95-98 Jl '64.

CHUGAEV, ANATOLII IAKOVLEVICH, d. 1964

Anatolii IAkovlevich Chugaev; an obituary. Vop. filos. 18 no. 7:184 '64.

CHUKCHI PENINSULA—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

"Can he keep his party membership?" Part. zhizn' no. 15;79 Ag '64.

CHUKCHI PENINSULA—PEAT

Results of a study of peat deposits in the Chukchi Peninsula. R. V Fedorova. Izv. Sib. otd. AN SSSR no. 12: 120-127 '62.

CHURCH AND STATE
(see also subdivision under Communist Countries)

Letter from V Kuroedov, chairman of the Council for the Affairs of the Russian Orthodox Church attached to the Council of Ministers of the U.S.S R., to the editor of "Zhurnal Moskovskoi Patriarkhii." Zhur. Mosk. Patr. no. 6-4 '64.

CHURKOVSKII, NIKOLAI

The feat of love. G. Trofilova. Nov. mir. 39 no. 12: 240-246 D '63.

CHUSOVOY (PERM PROVINCE)—VANADIUM STEEL

Stronger than steel S. Vologdin NTO 6 no. 5;41-43 My '64.

CHUSOVOY REGION (PERM PROVINCE)—DOLOMITE

Mottled dolomites of the Chusovoy region in the western slope of the Urals. L. S. Kuznetsova, N. A. Ignat'ev Dokl. AN SSSR 157 no 4,882-885 Ag '64.

CHUVASH ART see Art, Chuvash

CHUVASH DRAMA—HISTORY AND CRITICISM

Drama and its hero; N. Terent'ev's tragedy: The cuckoo still calls. N. A. Leont'ev. Uch zap. CHNIIIALIE no. 22;252-262 '63.

CHUVASH LANGUAGE—CASE

Cases in Chuvash. I. P. Pavlov. Uch. zap. CHNIIIALIE no 22;175-192 '63.

CHUVASH LANGUAGE—GRAMMAR

Connecting structures in the present-day Chuvash literary language. N. P. Petrov. Uch. zap. CHNIIIALIE no. 22;159-174 '63.

CHUVASH LANGUAGE—ORTHOGRAPHY

Certain problems of Chuvash orthography. I. A. Andreev. Uch. zap. CHNIIIALIE no 22;145-158 '63.

CHUVASH LANGUAGE—PARTICIPLE

"Participles in the Chuvash language" by I. A. Andreev. Reviewed by N. A. Baskakov. Uch. zap CHNIIIALIE no. 22;306-309 '63.

CHUVASH LANGUAGE—STYLE

S. Fomin's concern for the language and style of literary works. N. P. Petrov. Uch. zap. CHNIIIALIE no. 22; 229-251 '63.

CHUVASHES

News. V. D. Dimitriev and others. Uch. zap. CHNIIIALIE no. 22;315-325 '63.

CHUVASHIA—AGRICULTURE—LABOR PRODUCTIVITY

Calculating the productivity of combined agricultural labor. V. I. Il'demenov. Uch. zap. CHNIIIALIE no. 22; 3-13 '63.

CHUVASHIA—COLLECTIVE FARMS—INCOME DISTRIBUTION

Guaranteed wages on collective farms. M. A. Andreev. Uch. zap. CHNIIIALIE no. 22;14-31 '63.

Il'demenov, V. I. [Potentials for increasing labor productivity in agriculture; using the example of the collective farms of the Chuvash A. S. S. R.] Rezervy rosta proizvoditel'nosti truda v zemledelii; na primere kolkhozov Chuvashskoi ASSR. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962. 167 p.

CHUVASHIA—ILLITERACY

Comparing the characteristic features of the literacy of the Chuvash population according to data of the 1897 and 1926 censuses. P. A. Sidorov. Uch. zap. CHNIIIALIE no. 22;137-144 '63.

CHUVASHIA—REVOLUTION, 1907-1921

Notes on some problems of the history of the socialist revolution in Chuvashia. I. D. Kuznetsov. Uch. zap CHNIIIALIE no. 22;301-306 '63.

CHUVASHIA—SOCIAL SCIENCES

News. V. D. Dimitriev and others. Uch. zap. CHNIIIALIE no. 22;316-325 '63.

CHUVASHIA—SOCIALIST COMPETITION

Socialist competition among the workers of the Chuvash industry on the eve of the 22d Congress of the CPSU. P. M. Mikhailov. Uch. zap. CHNIIIALIE no. 22:90-105 '63.

CHUVASHIA—STOCK AND STOCKBREEDING

Correct selection of feeding crops as an important condition for increasing the production and reducing the cost of stockbreeding. I. P. Prokop'ev. Uch. zap. CHNIIIALIE no 22;43-55 '63.

Specialization and concentration of stockbreeding in the Chuvash A.S.S.R. G. A. Maksimov. Uch. zap. CHNIIIALIE no. 22;32-42 '63.

CHUVASHIA—VEGETABLE GARDENING

Distribution and specialization of vegetable gardening in the Chuvash A.S.S.R. B. G. Rusanov. Uch. zap. CHNIIIALIE no. 22;56-62 '63.

CHUVASHIA—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

The labor exploits of the Komsomols and working youth of the Chuvash A.S.S.R. during the years of the Second World War. M. V. Rumiantsev. Uch. zap CHNIIIALIE no. 22;75-89 '63.

CHUYA VALLEY—GEOLOGY

Structure and origin of the Quaternary sediments of the Chuya and Katun' Valleys in the Gornyy Altai. I. A. Efimtsev. Biul. Kom. chetv. per. no. 29;115-131 '64.

CHYLOTHORAX

Ligature of the thoracic lymphatic duct in surgery on the esophagus. A. S. Lur'e. Grud. khir. 5 no. 5:74-76 S-O '63.

CICATRICES

Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. A S. Slepykh, A S. Gordeladze Akush. i gin 39 no 5;103-110 S-O '63

Results of the histological study of the uterine wall in the cicatrical area after repeated cesarean sections. N I. Tiurina Akush. i gin. 39 no 5;97-102 S-O '63.

CILIATA

Morphology and evolution of Ciliophora. Report No. 1: New system of Heterotrichida occurring in sapropel A. V IAnkovskii. Zool zhur. 43 no 4;503-517 '64.

CINNAMIC ACID

Oxidation of cinnamic acid octyl esters. A. K. Plisov, O. S. Stepanova. Nauch. ezhegod. Khim. fak Od un. no. 2:99-102 '61

CIRRIPEDIA see subdivision under Azov, Sea of

CITIES AND TOWNS see subdivision under Central Industrial region

CITRATES

Hydroxocitrates of yttrium, potassium, and some rare-earth elements. N. A. Skorik, V. V. Serebrennikov. Zhur. neorg. khim. 9 no. 6;1483-1485 Je '64.

CITRIC ACID IN THE BODY

Citric acid levels in the blood of rats during prolonged administration of large doses of vitamin D. B. A. Lavrov, E. L. Terent'eva. Vop. pit. 22 no. 3;68-72 My-Je '63.

CITRIC FRUIT BREEDING

Biological incompatibility as exemplified by the intergeneric hybridization of lemon with Poncirus trifoliata. F. D Mamporiia. Agrobiologiia no. 1;77-88 Ja-F '64.

CITRUS FRUITS see subdivision under Georgia; Krasnodar Territory

CITY PLANNING
(see also subdivision under Baku; Turkmenistan)

Davidovich, V. G. [City and regional planning, engineering and economic principles] Planirovka gorodov i raionov; inzhenerno-ekonomicheskie osnovy. Izd. 2., perer. Moskva, Stroiizdat, 1964. 325 p.

Kobalevskii, V. L., V. P. Kutin, and M. S. TSukernik. [Economics and organization of municipal economy] Ekonomika i organizatsiia gorodskogo khoziaistva. Moskva, Stroiizdat, 1964. 287 p

CIVIL DEFENSE
(see also subdivision under Borispol' District)

Competitions of medical detachments. M. Gogolev. Voen. znan. 40 no. 7:26-27 Jl '64.

Decontamination at a plant. I. Kulzhinskii. Voen. znan. 40 no. 7;22-23 Jl '64.

Dosimetric devices. A. Teplov. Voen. znan. 40 no. 7; 28-29 Jl '64.

A hospital evacuates. V. Kuz'minov. Voen. znan. 40 no. 7;25-26 Jl '64.

Medical service. A. Misnenko. Voen. znan. 40 no. 7; 16 Jl '64.

Operations in a nuclear stricken area. S. Chukov, V. Zakharov. Voen. znan. 40 no. 7;23-25 Jl '64.

A tactical and drill exercise. V. Timofeev. Voen. znan. 40 no. 7;20-21 Jl '64.

CIVIL LAW

Draft of the law "Fundamental Civil Law of the Soviet Union and the Union Republics." L. I. Semenova, N. I. Ovchinnikov. Uch. zap. Dal'nevost. gos. un. no. 6;119-132 '62.

Limits of the exercise of private rights by citizens. O. S. Ioffe, V. P. Gribanov. Sov. gos. i pravo 34 no. 7; 76-85 Jl '64.

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Scientific commentary on judicial practice in civil matters for 1962] Nauchnyi kommentarii sudebnoi praktiki po grazhdanskim delam za 1962 god. Moskva, Izd-vo "*IUridicheskaia literatura, 1963. 170 p.*

Theoretical problems inherent in the private rights of citizens. N. I. Matuzov. Sov. gos. i pravo 34 no. 7: 130-133 Jl '64.

CIVIL PROCEDURE

The essence of trial evidence and the rules for its use. D. M. Chechot. Vest. LGU 19 no. 11;94-103 '64.

Further development of socialist democracy in the recently enacted Soviet civil procedure law. P. F. Eliseikin. Uch. zap. Dal'nevost. gos. un. no. 6,86-118 '62.

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Scientific commentary on judicial practice in civil matters for 1962] Nauchnyi kommentarii sudebnoi praktiki po grazhdanskim delam za 1962 god. Moskva, Izd-vo "IUridicheskaia literatura, 1963. 170 p.

CIVIL RIGHTS

Theoretical problems inherent in the private rights of citizens. N. I. Matuzov. Sov. gos. i pravo 34 no. 7; 130-133 Jl '64.

CIVILIZATION

[illegible] concepts of the history of [illegible] 22 to 41 [illegible]

Van[illegible], V. L. [G[illegible] [illegible] Essays] Den' dobryi! [illegible] Brian[illegible] Irtans-ii rabochii, 1964. 45 p. [illegible]

CIVILIZATION, OCCIDENTAL

A[illegible] concepts in the history of spiritual culture. G. Z. Ap[illegible]esian. Nauch.dokl.vys.shkoly, filos nauki [illegible] no.1 45-55 '64.

CIVILIZATION, ORIENTAL

A[illegible] concepts in the history of spiritual culture. G Z Ap[illegible]esian. Nauch.dokl vys.shkoly, filos. nauki 7 no 1 45-5[illegible] '64.

CLADOCERA see Water fleas

CLARY

[illegible] oil of [illegible] seeds. H. V Makarova, [illegible] H H Borsetuk Farmatse zhur 18 [illegible]

CLASSIFICATION—BOOKS—ARCHAEOLOGY

Moscow. Publichnaia biblioteka. [Library and bibliographical classification, tables for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek. Moskva, Izd-vo "Kniga,"
No. 14. [T History. Historical sciences] T Istoriia. Istoricheskie nauki.
Pt. 4. [T4 Archeology. T5 Ethnography] T4 Arkheologiia, T5 Etnografiia. 1964. 193 p.

CLASSIFICATION—BOOKS—ETHNOLOGY

Moscow. Publichnaia biblioteka. [Library and bibliographical classification, tables for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek. Moskva, Izd-vo "Kniga,"
No. 14. [T History. Historical sciences] T Istoriia. Istoricheskie nauki.
Pt. 4. [T4 Archeology. T5 Ethnography] T4 Arkheologiia, T5 Etnografiia. 1964. 193 p.

CLAY

(see also subdivision under Apsheron Archipelago; Caspian Sea; Caucasus, Northern, Gazli region, Bukhara Province; Odessa Province, Turkmenistan, Ural Mountains; Volgograd Province)

[illegible] Odessa green clays as a basic component of [illegible] clay. O K Dvstri[illegible], S. U Burshtein T I [illegible]arenko Nauch ezhegod Khim fak Od un [illegible] 123-128 '61.

Zvlagin, B. B. [Electrography and structural crystallography of clay minerals] Elektronografiia i strukturnaia kristallografiia glinistykh mineralov. Moskva, Izd-vo "Nauka," 1964. 281 p

CLAY—ANALYSIS see subdivision under Azerbaijan

CLAY—PERMEABILITY

Using [illegible] clay for studying the surface conductivity of capillary systems. V. S Neiman, N. N Rumiantseva. Nauch.-tekh sb. [illegible] dob nefti no. 19 3-6 '63

CLEANING COMPOUNDS

Foundations of quick methods for the analysis of detergents. A S Aleksandrovich-Mel'nikova Trudy [illegible] tekh inst ryb prom i khoz no 8 119-122 '62

Products of every-day chemistry M. Garelik. Sov. potreb.koop. 8 no.5:47-48 My '64.

CLERKS (RETAIL TRADE)

Day of a salesclerk. M. Trishchenkov. Sov.potreb. koop. 8 no.5:29-30 My '64.

Man comes before all (to be continued). N. Shakun. Sov.potreb.koop. 8 no.5:25-27 My '64.

On the industrial track. V Gerda. Sov.potreb.koop. 8 no.5·31-33 My '64.

CLIMACTERIC

Significance of physical exercise in connection with pathology of the climacteric. G. I. Krasnosel'skii. Teor.i prak fiz kul't. 27 no.5 59-60 My '64.

CLIMATOLOGY

(see also subdivision 'Climate' under Azerbaijan; North America; Rybinsk Reservoir region, Siberia, Eastern)

Practice in determining the influence of large reservoirs on the local climate S L. Vendrov, L K Malik. Izv AN SSSR Ser. geog. no 4 35-46 '64.

Synthetic method in climatological studies and its application in evaluating the climatic conditions of North America C Garbaliauskas. Trudy AN Lit SSR. Ser. B no 1·199-208 '62

CLIMATOLOGY, MEDICAL see subdivision under Krasnodar Territory

CLINICS—FINANCE

Improving the system of financing polyclinics I. G. Matul'skii N. M Adamova Zdrav Ros Feder 8 no 1 41-42 Ja '64

CLOCKS AND WATCHES—TESTING

Dynamic model of a clock on a vibrating platform. N. N. Serebriakova Izv. AN SSSR. Mekh. i mashinostr no 4; 140-141 Jl-Ag '64.

CLOSTRIDIUM

Comparative data on the purification of toxins and anatoxins of Clostridium perfringens by different methods. I. M. Khaustova, A. I. Ugleva. Vop. med. khim. 9 no. 2: 209-213 Mr-Ap '63.

Role of Clostridium perfringens in the etiology of food poisoning Z. A. Ignatovich, V. S. Vitivker Vop. pit. 23 no.1 74-77 Ja-F '64

CLOTHING, COLD WEATHER

Use of porolon lined fabrics for the manufacture of outerwear garments. M. S. Mikhailova, V. F. Shan'gina. Shvein. prom. no. 2,13-15 Mr-Ap '64.

CLOTHING, PROTECTIVE

Automatic process of drying miners' work clothes. A P. Urazov Adm -byt komb ugol' shakht no. 5;76-80 '62

Put automation into the process of drying and dust removal from miners' clothing L B Stanislavskii, S A Denisenko Adm -byt komb,ugol' shakht no 5·74-76 '62

CLOTHING AND DRESS MEASUREMENTS—STANDARDS

Vsesoiuznyi zaochnyi institut tekstil'noi i legkoi promyshlennosti Kafedra shveinogo proizvodstva. [Size standardization of clothing in mass production; textbook for specialization in the "Technology of clothing manufacture"] Razmernaia standartizatsiia odezhdy massovogo proizvodstva; uchebnoe posobie dlia spetsial'nosti "Tekhnologiia shveinogo proizvodstva." Moskva, 1962. 23 p.

[MICROFILM]

CLOTHING INDUSTRY

(see also subdivision under Leningrad; Odessa; Transcaucasia)

Decrease of individual cutting of fabrics in mass production. I. A. Rozenberg. Shvein. prom. no. 2 29-30 Mr-Ap '64.

Information. Shvein. prom. no. 2:37-40 Mr-Ap '64.

Review and bibliography. Shvein. prom. no. 2:33-34 Mr-Ap '64.

Strengthening the links between the clothing industry and commerce is a most important task of the national economy. P. I. Vakhrin. Shvein. prom. no. 2:19-22 Mr-Ap '64.

Use of artificial leather in the manufacture of clothing. Z. I. Anoshina. Shvein. prom. no. 2:31-32 Mr-Ap '64.

CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanization of the loading into and unloading from containers of some types of clothing. N. N. IAnchenkov. Shvein. prom. no. 2:27-28 Mr-Ap '64.

CLOTHING INDUSTRY—STUDY AND TEACHING

Vsesoiuznyi zaochnyi institut tekstil'noi i legkoi promyshlennosti. Kafedra shveinogo proizvodstva. [Size standardization of clothing in mass production; textbook for specialization in the "Technology of clothing manufacture"] Razmernaia standartizatsiia odezhdy massovogo proizvodstva; uchebnoe posobie dlia spetsial'nosti "Tekhnologiia shveinogo proizvodstva." Moskva, 1962. 23 p.

[MICROFILM]

CLOUD PHYSICS

Temperature field in a cumulus. S. P. Khachatrian. Meteor. i gidrol. no. 8·31-33 Ag '64.

CLOUDS

Inhomogeneity zones in thunderclouds. I. M. Imianitov, T. V. Lobodin. Trudy GGO no 157:3-8 '64.

CLOUDS, EFFECT OF RADIATION ON

Role of radiation in the buildup of clouds. L. V. Petrova, E M. Feigel'son Izv AN SSSR. Ser. geofiz no 8·1247-1252 Ag '64

CLUTCHES (MACHINERY)

Pneumatic disk clutches. F. V. Klevanskii. Mash. i neft. obor. no. 2,21 '63

CLUTCHES (MACHINERY)—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Radial-action pneumatic-tube clutches] Mufty pnevmokamernye radial'nogo deistviia (MN 5019-63—MN 5022-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Transfer machines and lines, regulating and connecting toothed clutches] Rotornye mashiny i linii, mufty zubchatye regulirovochno-soedinitel'nye (MN 5023-63—MN 5028-63). Moskva, Izd-vo standartov, 1964. 31 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Transfer machines and lines, safety, double, end-clutches] Rotornye mashiny i linii, mufty predokhranitel'nye sdvoennye kontsevye (MH 5029-63). Moskva, Izd-vo standartov, 1964. 19 p. (SSSR. Normal' mashinostroeniia)

COAL

(see also subdivision under Amur Valley; Bulgaria; Bureya Basin; Maritime Territory; Suchan Basin)

Not only fuel but chemical raw materials. N. Shevchenko, V. IAkovlev Sov shakht 13 no. 4·8-9 Ap '64

COAL—ANALYSIS

Causes of the variation in the content of germanium in different types of coal L. IA. Kizil'shtein. Dokl. AN SSSR 157 no 4:879-881 Ag '64.

Germanium in coals of the weathering zone [illegible] N. Riabchenko, V I Ak[illegible]khina, D M [illegible] [illegible] AN SSSR no. 7·100-101 '62

Makovetskii, P. S. [Brown coal and products of its thermal decomposition] Burye ugli i produkty ikh termicheskogo razlozheniia. Kiev, Naukova dumka, 1954. 178 p.

COAL—CARBONIZATION

Coal destruction during its preparation by heat treatment in the continuous coking process. N D. [illegible] L P Malashenko Trudy IGI 20 126-133 '63

Coal heating to the plastic state in a two-stage vortex chamber. P Z. Shubeko Trudy IGI 20 51-70 '63

Coking of coal charge mixtures treated with resinous materials G I. Enik, G N Dmitriev Trudy IGI 20 229-236 '63

Diffusion-kinetic study of thermal destruction of coal in a layer. Report No. I. D. M. Ldsin, K. A M[illegible], Izv. Sib otd AN SSSR no. 7,11-20 '62.

Economics of the manufacture of coke briquets from gas, long-flame, and weakly-caking coals. V P. Davydov, L V. Semenov, N I. Fridman Trudy IGI 20,198-207 '63

Effect of certain factors on the formation of a plastic coal mass and the quality of coke produced R. A Geguchadze, A. S Kurdiukov Trudy IGI 20 112-118 '63.

Effect of certain methods of preliminary coal preparation on the coking process I N Nikolaev Trudy IGI 20 178-188 '63

Forming of a plastic coal mass R A. Geguchadze Trudy IGI 20,119-125 '63.

Forming of a plastic gas-coal mass in the layer process of coking. V K Letova, G. V Speranskaia. Trudy IGI 20 172-177 '63

Plastic coal mass on the basis of concepts on the physical chemistry of high polymers. M. T Emtsev. Trudy IGI 20·86-91 '63

Processes taking place during the heating of fine-grained coal in vortex chambers P Z. Shubeko, L. I. [illegible]nova. Trudy IGI 20 71-75 '63

Studying the properties of coal during heating stages and the holding at heat in the continuous coking process R A. Geguchadze, A S. Kurdiukov, I. I. Vangulis. Trudy IGI 20 98-111 '63.

COAL—CLASSIFICATION see subdivision under Kuznetsk Basin

COAL—COMBUSTION

IAvorskii, I. A. ed. [Effect of the structure of mineral coals on their combustion] Vliianie stroeniia iskopaemykh uglei na ikh gorenie. [By] I. A. IAvorskii i dr. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 175 p.

COAL—DRYING

Coal drying in plants IA. S. Bolotin Ugol' Ukr. 7 no. 9,42-43 S '63.

COAL—PRICES

Production costs and prices of coal. P. I. Potemkin Izv. SO AN SSSR no. 5. Ser obshchestv nauk no 2 [illegible] '63.

COAL—TESTING

(see also subdivision under Bureya Basin; Suchan Basin)

Changes in coal volume during its compaction in the plastic state. D. A TSikarev. Trudy IGI 20:134-139 '63

Coal decomposition and state of viscous flow. E. M Taits T. M Bronovets. Trudy IGI 20 161-171 '63.

Determining the methane content of native coals at pressures up to 60 at. E. G. Lamba, I. L. Ettinger, V. G. Adamov. Izv. AN SSSR. Met. i gor. delo no. 2:188-191 Mr-Ap '64.

Effect of a pyridine solution of hydrogen peroxide on brown, bituminous and oxidized coals. O. B. Maksimov Trudy DVFAN SSSR. Ser. khim. no. 6:60-62 '62

Method of determining the plastic properties of coal and lignite E M Taits, T. M. Bronovets. Trudy IGI 20,150-163 '63

COAL, PULVERIZED

Analysis of pulverized coal combustion processes. IA. L. Pekker. Elek. sta. 35 no. 5:76-79 My '64

COAL GASIFICATION

Gasification of Krasnoyarsk lignite in a fluidized bed at a gauge pressure of 20 G P Sechenov, V. S. Al'tshuler Gaz prom 7 no 9·15-20 '62

COAL GEOLOGY
(see also subdivision under Turkestan Range)

[illegible], V.I. [Bituminous and brown coal;chemical composition and structure, properties, genesis] Kamennye i burye ugli; khimicheskii sostav i struktura, svoistva, genezis. Moskva, Nauka, 1964. 197 p.

COAL MINERS
(see also subdivision under Korkino, Chelyabinsk Province)

Machine operators are the decisive force. M. Zadorozhnyi. Sov.shakht 13 no 4:27-28 Ap '64

Much depends on the miners. A. Sokolov Sov. shakht. 13 no. 4:27 Ap '64

Oath. I. Lupalo. Sov shakht, 13 no. 4·44-45 Ap '64

Shine brightly star! I. Man'ko Sov. shakht 13 no. 4: 30-31 Ap '64.

Test of reputation. M. Avcharov Sov. shakht 13 no. 4· 37-38 Ap '64

COAL MINERS—LEGAL STATUS, LAWS, ETC. see subdivision under Kuznetsk Basin

COAL MINERS—PENSIONS
Consultation. Sov shakht. 13 no 4·40-41 Ap '64.

COAL MINES AND MINING
(see also subdivision under Donets Basin; Karaganda Basin; Karaganda Province; Lvov-Volyn' Basin; Moscow Basin; Nazarovo region, Krasnoyarsk Territory; Pechora Basin; Suchan Basin; United States; Ural Mountains)

Brief news. Ugol' Ukr. 7 no 12 54-56 D '63

Change of lateral pressure according to the condition of the loose material. P. E. IUdin. Zap. LGI 48 no. 1: 28-31 '63

The coal industry at the Exhibition of the Achievements of the National Economy of the U.S S R in 1964. S A Novikov. Ugol' 39 no.5:77-78 My '64

Common interest N Sukharev Sov. shakht. 13 no. 4: 25-27 Ap '64.

Controlled-angle drilling of exploratory boreholes in the Ampalyskii deposit S.S.Sulakshin, V.M.Matrosov, B.I.Spiridonov. Razved.i okh nedr 30 no.2:30-33 F '64.

Determination of the optimal load on slopes and size of panels during the working of gassy seams. S. M. Lipkovich, S. N Osipov Ugol' Ukr 7 no. 9,14-17 S '63

Determining the optimal length of a mining area using over-all mechanization. I. A. Leonenko Ugol' Ukr 7 no. 12:5-7 D '63

Establishing parameters for the zone of influence of ground movement on development workings. N.P. Bazhin. [Trudy]VNIMI no.47 10-21 '62.

For the peace, labor, freedom, equality, and happiness of all peoples. Ugol' 39 no.5:1-4 My '64.

Holing chutes with the help of the "Komsomolets" coal cutter-loader. L.I.Chenskii. Ugol' 39 no 5:57 My '64.

Jet pumps for transporting rocks during drifting. N S. Bolotskikh. Ugol' Ukr. 7 no 9 38-39 S '63.

Methodology of determining the optimum parameters of a combined system of exploitation with hydraulic mining of coal. K. V. Bibik. Izv SO AN SSSR no 2. Ser tekh. nauk no. 1:117-128 '64.

Miners' efforts to create a material and technical base of communism. I.M.Vladychenko. Ugol' 39 no.5: 4-8 My '64.

Modernization is a necessary condition for achieving high technical and economic indices. V. P. Fokin. Ugol' Ukr. 7 no. 12:33-36 D '63.

Present day stage in the development of hydraulic conveying in the coal industry. A.O.Spivakovskii, A.E.Smoldyrev. Ugol' 39 no.5:42-48 My '64.

Rapid mining of an incline. V.I.Sladkomeov. Ugol' 39 no 5:30-31 My '64.

Readers' reply to the article by A.P.Kiliachkov "Determining efficient lengths for longwalls,"; "Ugol'", 1962, No.4. A.L.Malets. Ugol' 39 no.5:73-74 My '64.

Rock pressure in cross cuts during shield mining. O.I. Mel'nikov. Zap. LGI 48 no. 1:32-37 '63

Striving for priority. A. L. Kortun. Ugol' Ukr. 7 no. 12:32-33 D '63.

Times are changing; work conditions are changing. M. Likhachev. Sov. shakht. 13 no. 4:26 Ap '64.

To search, analyze, and weigh. V. Antonishin. Sov. shakht. 13 no. 4:11-12 Ap '64.

Working flat seams with high loads in stopes. V. M. Siniugin, A. I. Serdiuk, I. D. Fuks. Ugol' Ukr. 7 no. 12:1-3 D '63

COAL MINES AND MINING—ACCOUNTING
New standard forms of original accounting for the production in the coal and slate industries. V.Gur'ev. Vest. stat. no. 8·76-81 '64

COAL MINES AND MINING—BIBLIOGRAPHY see Bibliography—Coal mines and mining

COAL MINES AND MINING—CONGRESSES
We will meet in Moscow. Viktorin Diuge. Sov. shakht. 13 no. 4:33-34 Ap '64.

COAL MINES AND MINING—COSTS
(see also subdivision under Siberia, Western)

Economic efficiency of mining thick seams with the use of KTU supports. N.IA.Pogodin Ugol' 39 no.5:58-60 My '64.

Nevenglovskii, IU.B. [Costs in the coal industry of the U.S.S.R.] Sebestoimost' v ugol'noi promyshlennosti SSSR. Moskva, Izd-vo "Nedra," 1964. 64 p. (Konkretnaia ekonomika dlia gorniakov)

Volkov, G. M., and I. P. Krapchin. [Problems in the economics of the mining and processing of brown coals] Problemy ekonomiki dobychi i pererabotki burykh uglei. Moskva, Nedra, 1964. 107 p.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES see subdivision under Donets Basin; Pechora Basin

COAL MINES AND MINING—FINANCE
Course on the concentration of mining operations B Ignat'ev Sov. shakht 13 no 4:20-21 Ap '64

Economic and mathematical formulation and methods of solving problems determining the effectiveness of capital investments in the coal industry N I Nikolaev Izv. vys. ucheb. zav , gor zhur. 7 no 3:48-53 '64

From losses to profits. A. Tolin. Sov. shakht. 13 no. 4:13-14 Ap '64.

Methods for the economic estimate of coal losses in the course of mining N.G.Zhil'tsova [Trudy] VNIMI no.47:264-271 '62.

COAL MINES AND MINING—FIRES AND FIRE PREVENTION
Ovchinnikov, V. F. [Preventing explosions by isolating underground fires in gassy mines] Preduprezhdenie vzryvov pri izoliatsii podzemnykh pozharov v gazovykh shakhtakh Pod red F. A. Abramova. Moskva, Nedra, 1964. 146 p.

COAL MINES AND MINING—LABOR PRODUCTIVITY
(see also subdivision under Donets Basin; Kuznetsk Basin; Siberia)

Fulfill the seven year plan ahead of time. M.N.Pshe-slavskii, N.D.Smirnov. Ugol' 39 no.5:15-16 My '64

Rhythmic work is the guarantee of high technical and economic indices. L.P.Briushchenko, V.I.Zakharchuk Ugol' 39 no.5:16-18 My '64.

Some problems in the methodology of computing indices of labor productivity in coal preparation A M. Kotkin, P. I. Kladiev, A V Pogartsev Ugol' Ukr 7 no 12: 41-45 D '63

COAL MINES AND MINING—MANAGEMENT
(see also subdivision under Pechora Basin)

Possibilities of the wide use of 24 hour shift brigades in long-wall mining with cutter-loaders IU IA. Kachko, A. I. Vorob'eva Ugol' Ukr. 7 no. 12 45-48 D '63.

Specialized management of mine construction in mines L. D. Slipchenko, V G. Korenev. Ugol' Ukr 7 no 9 13-14 S '63

COAL MINES AND MINING—PERIODICALS
Man'kovskii, G. I., and N. N. Ershov, eds. [Special mining methods; bibliographical index of Soviet and foreign books and periodicals published during 1950-1961] Spetsial'nye sposoby prokhodki gornykh vyrabotok; bibliograficheskii ukazatel' knizhnoi i zhurnal'noi otechestvennoi i inostrannoi literatury za 1950-1961 gg. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii ugol'noi promyshl., 1963. 255 p.

[MICROFILM]

COAL MINES AND MINING—RESEARCH
Mechanism by which wetting of coal block results in its weakening. V.N.Shilenkov. Dokl.AN SSSR 157 no.4· 961-963 Ag '64.

COAL MINING MACHINERY
(see also subdivision under Donets Basin; Ekibastuz Basin)

For a higher output of coal mining machinery. I. G. Storozhenko, M. IU. Savchin. Ugol' Ukr. 7 no. 12· 36-37 D '63.

Holing chutes with the help of the "Komsomolets" coal cutter-loader. L.I.Chenskii. Ugol' 39 no.5:57 My '64.

Machine operators are the decisive force. M Zadorozhnyi. Sov.shakht. 13 no.4:27-28 Ap '64.

Mining an extremely thin flat seam with a scraper-plow unit. V.G.Beitkov, D.I.Goncharenko. Ugol' 39 no.5: 54-56 My '64.

Possibilities of the wide use of 24 hour shift brigades in long-wall mining with cutter-loaders IU. IA. Kachko, A. I. Vorob'eva. Ugol' Ukr. 7 no. 12:45-48 D '63.

The PPG pneumatic saw. B. V. Dmitrov. Ugol' Ukr. 7 no 12:50 D '63.

Prospects for using chemical materials in the creation of new machines for the coal industry. I. I. Ermak. Ugol' 39 no.5:9-12 My '64.

Vinnikov, I. R., and V. M. Sizov. [The "Donbass-2k" coal cutter-loader] Ugol'nyi kombain "Donbass-2k." [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 28 p. (Novye gornye mashiny)

COAL MINING MACHINERY—HANDBOOKS, MANUALS, ETC.
New books Sov. shakht 13 no 4:42 Ap '64

COAL MINING MACHINERY—TESTING
Experimental use of the K-52-m cutter-loader on inclined seams. D T Gorbachev, A A. Dreniuk. Ugol' 39 no 5·51-54 My '64

COAL PREPARATION
(see also subdivision under Donets Basin; Kuznetsk Basin; Soviet Far East; Ukraine)

Coal drying in plants IA S Bolotin Ugol' Ukr. 7 no 9 42-43 S '63

Coal preparation in a heavy dry medium V I Korshunov Trudy IGI 20 34-39 '63

Coking of coal charge mixtures treated with resinous materials G I Enik G N Dmitriev Trudy IGI 20 229-236 '63

Comparing the principles of magnetic separator performance with top and bottom feeding during the magnetic separation of coal breeze I. D Remesnikov Trudy IGI 20 10-19 '63

Effect of certain methods of preliminary coal preparation on the coking process I N Nikolaev Trudy IGI 20 178-188 '63

Effect of magnetic additions of various sizes on the preparation of coal and its dedusting I D Remesnikov, N N Mikhailova Trudy IGI 20 20-27 '63.

How chemistry helps coal preparation V. Klassen. Sov shakht. 13 no 4:9-10 Ap '64

Possibility of using vibration to intensify the heating and briquetting of coals P A Shchukin, V S Sychev. Trudy IGI 20 215-217 '63

Some problems in the methodology of computing indices of labor productivity in coal preparation A. M. Kotkin, P. I Kladiev, A. V Pogartsev Ugol' Ukr 7 no 12 41-45 D '63

Work quality in the sorting of Kuznetsk Basin coals. G.N Podbel'skii, N.I. Marasheva. Ugol' 39 no 5: 60-61 Mr '64

COAL PREPARATION—CONGRESSES
Reports made at the Third International Coal Preparation Congress in June, 1958· Effect of coal moisture and its ash content on the cost of coke and the ash content of coal on the cost of pig iron P.S.Bakel's Obog.i brik ugl no 26:70-87 '62.

COAL PREPARATION—EQUIPMENT AND SUPPLIES
Centrifuge for dewatering small classes of coal. A R. Moliavko. Koks i khim. no. 6:6-12 '64

Coal preparation in a heavy medium in hydrocyclones. M.G.Akopov. Obog.i brik.ugl no.26:16 '62.

Industrial testing of a MOD-1 jigging diaphragm machine. M. G. Sviatskaia, I. N Derzhavin, E. IA. Afanas'eva. Ugol' Ukr. 7 no. 9:39-41 S '63.

Raising the economic efficiency of the burning of raw coals in furnaces with a poke strip. I.T.Grekhov. Obog.i brik.ugl. no.26:33-43 '62.

Reclamation of the filler in air-suspension coal preparation. IU. P. Gupalo, V N Korovin. Trudy IGI 20 40-45 '63

Selection of a plan for cooling hydraulic coupling for the drive of a powerful centrifuge. I. P. Krasil'nikov. Obog.i brik.ugl. no.26:25-32 '62.

Studying the process of bed stratification in a uniflow jig. V.K.Turchenko. Obog.i brik.ugl. no.26:51-61 '62.

Testing a laboratory roll-vibration granulator for processing flotation concentrates. V.A.Malinov V.A.Fillipov. Obog.i brik.ugl. no.26:3-1

Using the S-100 super centrifuge for fractio
A.I.Kamneva, IA.M.Ammosova, P.E.Me
[illegible] 5 62-63 My '64

C

COAL-TAR PRODUCTS

[illegible] resins based on coal tar products and crude benzene [illegible] A. A. [illegible] Koks i khim [illegible] '64

COAXIAL CABLES

[illegible] Probl [illegible]

COBALT

[illegible] chemistry, metallurgy and uses." Edited [illegible] Zhur neorg khim [illegible] Je '64

[illegible] with cobalt. S Rozenberg. [illegible] Vop pit. 23 no 1 33-34 Ja-F '64.

[illegible] of cobalt in the presence [illegible] G T Vorob'ev, I D Ivanov, [illegible] Dokl AN SSSR 157 no 1 134-137 Jl [illegible]

COBALT—ANALYSIS

[illegible] (III) in the presence of iron (III) [illegible]

COBALT—METALLOGRAPHY

Phase transformations in cobalt I S Bolgov, IU N S[illegible], V A Finkel'. Fiz met i metalloved 17 no 6 857-860 Je '64

COBALT—METALLURGY

Deoxidation of cobalt melts. V. V. Averin, P. A. Cherkasov, A. M. Samarin. Trudy Inst. met. no. 14:58-67 '63.

Effect of silicon on the solubility of oxygen in liquid cobalt and in Co-Fe melts. V. V. Averin, A. M. Samarin. Trudy Inst. met. no. 14:50-57 '63.

COBALT ALLOYS—METALLOGRAPHY

Defects of packing and segregation in cobalt-base alloys IU A Skakov, IU O Mikhailov, V V Edneral Fiz. met i metalloved 17 no 5 773-774 My '64

COBALT ALLOYS—TESTING

Density of Co-C and Ni-C alloys in the solid and liquid states. E. S Filippov, A. A Vertman, A. M. Samarin. Izv. vys. ucheb. zav., chern met. 7 no. 7:162-164 '64.

COBALT CHLORIDES

Obtaining aminoacetylenic complex compounds of the chlorides of nickel and cobalt S. N. Avakian, R A. Karapetian, R. S Eminian Izv. AN Arm SSR. Khim. nauki 15 no 2 125-129 '63

Solubility in the system $FeCl_2 - CoCl_2 - H_2O$ at 15°C. A. P Shchedrina, M. I. Ozerova. Zhur neorg. khim. 9 no. 6:1505-1507 Je '64.

COBALT CHLORIDES—PHYSIOLOGICAL EFFECT

Effect of cobalt chloride on the antibiotic sensitivity of Escherichia coli S T. Mnatsakanov Zhur. eksp. i klin med. 4 no. 2:27-30 '64

COBALT IN THE BODY

Effect of cobalt and magnesium salts on the secretory function and chemical composition of saliva in sheep N S El'tsau Vestsi AN BSSR. Ser bilal nav. no 4: 67-73 '63

Effect of cobalt on the thyroid gland state caused by low-protein diet against a background of iodine supply. A I. Shtenberg, IA. Kusevitskii, E E Abolyn'. Vop. pit. 22 no 3 41-47 My-Je '63.

COBALT-IRON ALLOYS see Iron-cobalt alloys

COBALT-NIOBIUM-ALLOYS see Niobium-cobalt alloys

COBALT-PLATINUM ALLOYS—MAGNETIC PROPERTIES

Effect of preliminary plastic deformation on the magnetic properties of Co-Pt alloys IU. A Gratsianov, A G. Rabin'kin. Fiz met. i metalloved 17 no 4:519-526 Ap '64

COBALT-PLATINUM ALLOYS—METALLOGRAPHY

Saturation magnetization and the Curie points in ordered alloys of the system cobalt-platinum IU. A. Gratsianov, A G Rabin'kin. Fiz. met i metalloved. 17 no. 6 938-940 Je '64.

COCKCHAFERS see subdivision under Don Valley

CODEINE

Complexometric determination of phosphate ions in pharmaceutical preparations. Report No. 2. S. M. Birinboim. Farmatsev. zhur. 18 no. 5:41-44 '63.

CODLING MOTH see subdivision under Turkmenistan

COINS, ORIENTAL see subdivision under Kutkashen District

COKE

(see also subdivision under France)

Changes in coal volume during its compaction in the plastic state D A TSikarev. Trudy IGI 20 134-139 '63.

Effect of certain factors on the formation of a plastic coal mass and the quality of coke produced R A. Geguchadze A S Kurdiukov Trudy IGI 20:112-118 '63

Effect of cooling coal briquets on the physicomechanical properties of coke N P Kazakevich, P A Shchukin, D A TSikarev. Trudy IGI 20 140-144 '63

Investigating the molding under pressure of a plastic coal mass G V Speranskaia, D A TSikarev Trudy IGI 20 92-97 '63

Making coke from briquetted fuel E M. Taits, F I Pokrovskaia Trudy IGI 20 183-137 '63

Obtaining shaped metallurgical fuel from Suchan Coals. E A. Vinokurova, L. B Nepomniashchii Trudy DVFAN SSSR Ser khim. no 6:14-21 '62

Obtaining shaped metallurgical fuel for Urgal coals. L. B Nepomniashchii, V V. Opritov Trudy DVFAN SSSR. Ser khim no 6 22-28 '62.

COKE—ANALYSIS

Changes in the fine structure of hard coking residues with an increase in temperature. K. A Bogoiavlenskii, E. M. Soldatenko Koks i khim no 6:4-8 '64

COKE—TESTING

Effect of various methods of loading a charge on the physico-mechanical properties of coke V G Zashkvara, S. E Senichenko, G. N. Drui. Koks i khim no. 6:15-19 '64

Physicomechanical properties of coke during breakage. E. B. Ivanov Koks i khim. no. 6:19-24 '64.

Preliminary machine processing of coke T. P. Varshavskii and others Koks i khim. no. 6:31-33 '64.

Strength of brown-coal coke. E M Taits, I A. Andreeva. Trudy IGI 20:208-214 '63

COKE INDUSTRY

All efforts of institutions of higher learning are aimed at the expansion of the by-product coke-industry K I. Syskov. Koks i khim no 6:1-3 '64

Economics of and prospects for the use of peat in the by-product coke industry L V Semenov, O P Kirsanova, V P Davydov Trudy IGI 20 237-242 '63.

COKE INDUSTRY—BY-PRODUCTS

(see also subdivision under Bureya Basin; Suchan Basin)

In the by-product coke section of the scientific and technical council. D. Samorodov. Koks i khim. no. 6 63-64 '64.

In the by-product coke section of the Scientific Technological Society for the Iron and Steel Industry G T. Koks i khim. no 6:64 '64

Maizlin, B. S. [Operator of a bridge loader crane] Mashinist mostovogo peregruzhatelia. Moskva, Izd-vo Metallurgiia, 1964. 167 p.

Makovetskii, P. S. [Brown coal and products of its thermal decomposition] Burye ugli i produkty ikh termicheskogo razlozheniia. Kiev, Naukova dumka, 1964. 176 p.

Not only fuel but chemical raw materials N. Shevchenko, V. IAkovlev. Sov. shakht. 13 no. 4:8-9 Ap '64.

Volkov, G. M., and I. P. Krapchin. [Problems in the economics of the mining and processing of brown coals] Problemy ekonomiki dobychi i pererabotki burykh uglei. Moskva, Nedra, 1964. 107 p.

COKE INDUSTRY—SANITATION

Organization and ways of improving sanitary and general services facilities for workers of the coke by-product industry. V. V. Ivanov. Adm -byt. komb ugol'. shakht no 5:11-16 '62.

COKE INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Dneprodzerzhinsk

COKE-OVEN GAS

Pyrolysis of a gas condensate in the presence of coke-oven gas V I Dal', L S. Raskina, V M Nabivach. Nefteper i neftekhim. no 9 14-16 '63

Smelting cast iron in coke-gas cupolas. IU. N. Khil'shtein Gaz delo no. 3 30-33 '63.

COKE-OVEN GAS—ANALYSIS

Studying the gaseous phase in the production of ore-coke A T. Khvichia, S G Samkharadze, Z A. Muradova. Trudy GPI [Gruz] no. 4 189-198 '62.

COKE OVENS

Coal heating to the plastic state in a two-stage vortex chamber. P. Z. Shubeko. Trudy IGI 20:51-70 '63

Experimental study of the distribution of flows in a heating system of coke ovens with underjet gas feed. I. G. Kuprienko, I. M. Khanin. Trudy DKHTI no. 16:183-196 '62.

Hydraulic conditions in coke ovens; from materials of a discussion. A. S. Leonov. Koks i khim. no. 6:34-36 '64.

Processes taking place during the heating of fine-grained coal in vortex chambers. P. Z. Shubeko, L. I. Spiridonova Trudy IGI 20.71-75 '63

Resistance of the regenerator packing of coke ovens in the process of modeling. B. D. Lebedev. Trudy DKHTI no. 16:197-207 '62.

Studying the properties of coal during heating stages and the holding at heat in the continuous coking process. R. A. Geguchadze, A. S. Kurdiukov, I. L. Vangnits. Trudy IGI 20.98-111 '63

COKE OVENS—DESIGN AND CONSTRUCTION

Izraelit, E. M. [Improving heating systems of coke ovens] Sovershenstvovanie otopitel'noi sistemy koksovykh pechei. Moskva, Izd-vo "Metallurgiia," 1964. 218 p.

COKE OVENS—EQUIPMENT AND SUPPLIES

Effect of various methods of loading a charge on the physico-mechanical properties of coke V G. Zashkvara, S E. Senichenko, G. N. Drui Koks i khim no. 6:15-19 '64

COKE OVENS—MODELS

Studying the distribution of gases in coke ovens with sectional regenerators and bottom admission fuel of the gas I. M. Khanin, I. G. Kuprienko. Koks i khim. no. 6:24-30 '64.

COKING PLANTS

(see also subdivision under Moscow)

From the experience in repairing a cooling tower B. A. Belevich. Koks i khim. no. 6:58-59 '64

Improving the operation indices of a unit for retarded coking. N. S. Gaskarov. Khim. i tekh. topl. i masel 9 no. 4:26-30 Ap '64.

COKING PLANTS—EQUIPMENT AND SUPPLIES

Preliminary machine processing of coke. T. P. Varshavskii and others. Koks i khim. no. 6:31-33 '64

COKING PLANTS—SAFETY MEASURES

Sparkproof measuring device for grounding used in plants with an explosion hazard. V S Komarov, A A Shukh, I. V. Zinchik. Koks i khim. no. 6:54-55 '64

COLD—PHYSIOLOGICAL EFFECT

Content of adenosine triphosphoric acid and creatine phosphate in the brain and muscles of animals adapted and unadapted to cold. L. A. Gusova. Vop. med. khim. 9 no. 2:180-184 Mr-Ap '63.

Effect of cooling on the cardiac activity of certain vertebrates T. O. Arefieva. Fiziol. zhur. [Ukr.] 9 no. 6:741-747 N-D '63.

Effect of dibazol and adaptation to cold and muscular work on animals with the Ehrlich tumor. V. IA. Rusin. Vop. onk. 9 no. 6.60-66 '63.

Histamine - histaminase system in the state of stress caused by increased muscular work and chilling. K. A. Korovnikov. Vop. med. khim. 9 no. 2:137-142 Mr-Ap '63.

Physiological mechanisms of the cold acclimatization and hardening of the human organism. A. D. Slonim Vop. kur., fizioter. i lech fiz. kul't no. 6:481-487 '61

Problem of general chilling (freezing) of humans; a review of the literature. V. N. Sheinis. Voen.-med. zhur. no. 1:29-34 '63.

Relativity in evaluating the ability of live organisms and their tissues to withstand cooling. S N. Malsko Biul. MOIP. Otd biol. 68 no. 3:110-124 My-Je '63.

Use of measurements of heat emission during sudden cooling in the evaluation of the state of thermoregulating mechanisms. G. D. Latyshev. Vop. kur., fizioter. i lech. fiz. kul't no. 6:510-516 '63.

COLD (DISEASE)

Beware of colds. B. Koiranskii. Zakup. sel'khoz. prod no. 1 51 Ja '64.

COLD STORAGE ON SHIPBOARD

Automatic control of the humidity of the air in the holds of dry-cargo ships. A. E. Pass Ekon. i ekspl. mor. transp. no. 1:83-90 '63.

Basic requirements of air conditioner design for ship holds. L. P. Andronov. Ekon. i ekspl mor. transp no. 1:69-73 '63.

Conditions of heat and mass exchange during the conditioning of certain cargoes. V. A. Zagoruiko Ekon i ekspl. mor. transp. no. 1:73-81 '63.

Redistribution of moisture in cargoes during their combined storage. L. P. Andronov. Ekon. i ekspl. mor. transp. no. 1:81-82 '63.

COLD WEATHER CLOTHING see Clothing, Cold weather

COLD WELDING

Role of texturation in the cold welding of metals. K. K. Khrenov, V. I. Balakin. Dop. AN URSR no. 8:1075-1078 '64.

COLLAGEN

Role of fibrin and the cellular elements of exudate on the formation of collagen fibers in aseptic inflammation IU G. TSellarius, G P. Sokolova, N I. Kremlev. Izv. Sib. otd AN SSSR no. 9:122-124 '62.

COLLECTIVE FARMS

(see also subdivision under Altai Territory; Azerbaijan; Central Chernozem region; Daghestan; Dzhambul Province; Odessa Province)

Berezhnoi, K. L., and M. G. Osipov. [On the rise; story about the "Proletarskaia Volia" Collective Farm in Stavropol Territory] Na vzlete; rasskaz o kolkhoze "Proletarskaia volia" Stavropol'skogo kraia. Moskva, Sovetskaia Rossiia, 1964. 124 p.

COLLECTIVE FARMS—ACCOUNTING

Tsarev, S.S. [Accounting practice on a collective farm] Opyt ucheta v kolkhoze. Moskva, Izd-vo "Kolos," 1964. 91 p.

COLLECTIVE FARMS—FINANCE see subdivision under Kherson Province

COLLECTIVE FARMS—INCOME DISTRIBUTION see subdivision under Chuvashia

COLLECTIVE FARMS—LABOR PRODUCTIVITY

Figures speak of potentialities. V.Kravchuk Agitator no.10:46-48 My '64.

COLLECTIVE FARMS—LAWS AND LEGISLATION

Concept and further development of kolkhoz democracy at the present stage. N.I.Ovchinnikov. Uch.zap Dal'nevost.gos.un. no.6:60-65 '62.

General characteristic of the system of the administrative organs of a collective farm and certain problems of further improving our collective farm law. N.I.Ovchinnikov. Uch.zap.Dal'nevost.gos un. no.6:133-151 '62.

Needed handbook for people's judges. G.Dobrovol'skii Sots.zakon. 41 no.4:87-89 Ap '64

Kryshin, A.G. [Collection of problems in Soviet labor law, law on collective farms and land law; textbook for students of agricultural schools of higher learning] Sbornik zadach po sovetskomu trudovomu, kolkhoznomu i zemel'nomu pravu, uchebnoe posobie dlia sel'skokhoziaistvennykh vuzov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 160 p.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Kungur District; Vinnitsa Province; Voronezh Province)

Borisov, IA.D. [Plans, initiative and life] Plany, initsiativa i zhizn'. Moskva, Izd-vo "Sovetskaia Rossiia," 1964. 95 p.

Concept and further development of kolkhoz democracy at the present stage. N.I.Ovchinnikov. Uch.zap. Dal'nevost.gos.un. no.6:60-65 '62

Shmelev, G.I. [Distribution and use of labor on collective farms] Raspredelenie i ispol'zovanie truda v kolkhozakh. Moskva, Izd-vo "Mysl'," 1964. 141 p.

COLLECTIVE FARMS—PENSIONS

Thank you, party. T Priakhin. Sov.profsoiuzy 20 no.16: 5 Ag '64

COLLECTIVE FARMS—PRIVATE

Stronger legal protection of land resources needed. Sov. iust 28 no 7:1-4 Ap '64.

COLLECTIVE FARMS—TAXATION see subdivision under Armenia

COLLECTIVE LABOR AGREEMENTS—TEXTILE INDUSTRY see subdivision under Italy

COLLEGE AND SCHOOL JOURNALISM

School radio newspaper. V.V.Tymoshenko. Rad.shk. 42 no.4.37 Ap '64.

COLLISIONS (NUCLEAR PHYSICS)

Dissociation cross sections of ions from propane colliding with neon atoms. S.E.Kuprilanov, A.A.Perov. Zhur. tekh.fiz. 34 no.7:1317-1320 Jl '64.

Ionization and electron capture in collisions between hydrogen ions with atoms and molecules of gases. IU.S.Gordeev, M.N.Panov. Zhur.tekh.fiz. 34 no.5:857-860 My '64.

Making allowance for polarization and exchange in the theory of electron-atom collisions. V.D.Ob'edkov. Opt.i spektr. 17 no.2:189-196 Ag '64.

COLLOIDS

Comparative characteristics of the stability of colloidal solutions of some animal proteins. F.S.Okolov, S.Kh. Nikolov. Nauch.trudy Kub gos.med.inst. 19:97-104 '62

Effect of ultrasonic waves on the colloidal properties of the human blood serum. F.S.Okolov and others. Nauch.trudy Kub.gos.med.inst. 19:111-119 '62.

Effect of vibration on the colloidal properties of human serum proteins. F.S.Okolov, S.Kh.Nikolov. Nauch. trudy Kub.gos.med.inst. 19:105-110 '62.

Formation of colloids in the catholyte during the electrolysis of nickel sulfate solutions containing some additions. P.Kicas, J.Matulis. Trudy AN Lit. SSR. Ser. B no.1:111-127 '62.

Geometric modification of the skeleton of xerogels. Part 3. N.V.Akshinskaia, A.V.Kiselev, IU.S.Nikitin. Zhur.fiz.khim. 38 no.2:489-490 F '64.

Isolation of individual fractions of transfer ribonucleic acids by using polyacrylhydrazide agar gel. L.IU. Frolova and others. Dokl.AN SSSR 158 no.1:236-238 S-O '64.

COLON (ANATOMY)—INNERVATION

Characteristics of the afferent innervation of the ascending colon. A.P.Amvros'eu. Vestsi AN BSSR. Ser.biial.nav. no.4:85-92 '63.

COLONIES

National liberation movement of people against colonialism. A.Sablukov. Komm.Vooruzh.Sil 4 no.7:73-81 Ap '64.

Unwilling wards K.Malakhovskii Az i Afr seg 8 no 6 36-37 Je '64

COLONIES—ADMINISTRATION

Dadiani, L.IA. [Collapse of contemporary colonial administration] Krakh kolonial'nogo upravleniia v sovremennyi period. Moskva, Univ. druzhby narodov, 1964. 151 p.

COLONIES—ECONOMIC CONDITIONS see subdivision under France

COLOR CENTERS

Calculating the ground state of polaron F_{z1} and F_{z2} centers in a uniaxial crystal E.G.Papush. Izv vys ucheb.zav., fiz. no 4:164-167 '64

Calculating the lower p-states of an electron in a polaron F_{z1} center in a uniaxial crystal E G Papush Izv.vys.ucheb.zav., fiz no.4:184-190 '64.

COLOR OF ANIMALS

Changes of the color of sables in the Yenisey area of Siberia during individual years K D Numerov Zool zhur 43 no 4 599-605 '64

COLOR OF BIRDS

Hereditary transformation of color and changes in the DNA amount in Pekin ducks caused by injections of isolated erythrocyte nuclei from ducks of a different species. A.A.Chilingarian, E.F.Pavlov, L.P. Mkrtchian. Izv. AN Arm. SSR. Biol. nauki 15 no.12: 25-32 D '62.

COLOR TELEVISION

Determination of tolerances in signal brightness variations, signal color, and initial phase. IU V.Aksentov, V.S.Shumliaev. Elektrosviaz' 18 no.5:29-34 My '64.

COLORIMETRY

Color temperature of aluminum and magnesium alloys in the 300 - 500° C range A A.Poskachei, M.P.Ural'skii. Izv.AN SSSR.Met.i gor.delo no.2:186-187 Mr-Ap '64.

Colorimetric method for determining chromium in potassium and mother liquors. M.IA.Uhniachev, T.V Oliinik. Khim.prom.[Ukr.] no.3:71-72 Jl-S '63.

3-oxy-2-naphthoic acid as a colorimetric and fluorescent reagent. A.I.Cherkesov, T.S.Zhigalkina Trudy Astr tekh.inst.ryb.prom.i khoz no.8:25-49 '62.

COLORING MATTER IN FOOD

Production and use of alcohol solutions of annatto dyestuff. I.G.Mokhnachev, N.I Pershakova. Khleb.i kond.prom. 8 no.7:16-18 Jl '64.

COLPOSCOPY

Evaluation of diagnostic methods in hyperplastic processes in the cervix uteri. L.S.Terent'eva. Akush.i gin. 40 no.1:113-116 Ja-F '64.

Photocolposcopy in the work of a gynecological center. N.I.Kukoleva. Akush.i gin. 40 no.1:129-131 Ja-F '64.

COMBINES (AGRICULTURAL MACHINERY)—LUBRICATION

Tel'nov, N.F. [Repair of oil pumps and filters of tractor and combine engines] Remont maslianykh nasosov i fil'trov traktornykh i kombainovykh dvigatelei. Moskva, Izd-vo "Kolos," 1964. 132 p. (Bibliotechka rabochego-remontnika)

COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Rotermel', B.P., and A.P.Bykov. [Maintenance of tractors and combines] Tekhnicheskii ukhod za traktorami i kombainami. [Omsk] Omskoe knizhnoe izd-vo, 1963. 120 p. (Biblioteka mekhanizatora)

COMBUSTION

Combustion of an air-gas mixture in
G.K.Rubtsov, N.I.Cyromiatnikov,
14-17 S '63.

Effect of the high temperature zone o
the combustion velocity of nitroglyc
summary in English]. A.A.Sulimov
Zhur.fiz.khim. 38 no.2:331-333 I

Electron paramagnetic resonance me
free hydrogen and oxygen atoms in
hydrogen sulfide with oxygen. G.A.
Nalbandian. Izv.AN SSSR.Ser.khin
Jl '64.

"Gas dynamics of combustion" by K.I.
Troshin. Reviewed by G.A.Varshav
34 no.6:116-118 Je '64.

Study of coal carry-off from furnace
intensification of the combustion of
IA.L.Pekker, B.S.Belosel'skii.
71-75 '64.

COMBUSTION RESEARCH

Combustion of fuels under pressure
using this technique in power engin
Teploenergetika 10 no.12:52-56 D

COMETS

Cumulative effects in comets. L.S.
zhur. 41 no.4:733-737 Jl-Ag '64

COMIC, THE

Soviet concept of the comic. IU.A.Pis'mennyi. Mat.i soob.Issl.otd.Inst.po izuch.SSSR no.51/52 93-106 N-D '63.

COMMANDER ISLANDS see Komandorskiye Islands

COMMERCE

A thorough study. F.Piskoppel'. Vnesh.torg. 44 no.6. 60-63 '64.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL AGENTS

Announcements. Vnesh.torg. 44 no.6 64-65 '64.

Announcements Vnesh torg 44 no 7 57-58 '64

COMMERCIAL CORRESPONDENCE

Book about the correspondence of industrial enterprises A.N Sokova Vop.arkh. 8 no 3:113-114 Jl-S '63

COMMONWEALTH OF NATIONS

Problem of India's membership in the British Commonwealth of Nations. G.B Goroshko Uch zap IMO no 16:255-267 '63.

COMMUNICABLE DISEASES

Teitel'baum, G.N. [Hemodynamic disorders in some infectious diseases] Narusheniia gemodinamiki pri nekotorykh infektsionnykh zabolevaniiakh. [Leningrad] Meditsina, 1964 187 p.
(DNLM)

COMMUNICABLE DISEASES—PREVENTION

From the results of the work of military physicians in the prevention of infectious diseases. K.T.Orlov. Voen.-med.zhur. no.1:82-83 '63.

Methodology of health education in the prevention of epidermophytosis. E.K.Reznikov. Vest.derm.i ven 38 no.1:53-58 Ja '64.

COMMUNICABLE DISEASES IN ANIMALS

Infection focuses M N Vereshchagin and others Veterinariia 41 no 4 25-31 Ap '64

COMMUNICATIONS, MILITARY

Mechanics of long-range communication set up a station. I Shapovalov. Voen.vest. 43 no.4.93-96 Ap '64.

Solve this problem Restore communication. Voen.vest. 43 no.4:101 Ap '64.

Solve this problem. Voen.vest. 44 no.7.98 Jl '64.

COMMUNICATIONS, MILITARY—PROGRAMMED INSTRUCTION

Elements of programmed instruction. S.Tuloychikov, N.Volodin. Voen.vest. 43 no.4:97-101 Ap '64.

COMMUNISM

(see also subdivision under Germany)

According to Lenin's legacy. Voen.vest. 43 no.4:3-8 Ap '64.

The beginning of the labor movement and the dissemination of Marxism in Russia. I.P.Verkhovtsev. Vop. ist.KPSS 8 no.8.71-81 Ag '64.

Communism as a creation of the people's hands. F.Gorovskii. Komm.Ukr. 39 no.3:78-85 Mr '64.

Decree of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. on the improvement of military medical service. A.A.Shparkovskii. Voen.-med.zhur. no.1:8-10 '63.

From the First International to the present-day communist movement. Jacques Duclos. Vop.ist.KPSS 8 [illegible]

Some special features of the development of socialist production relations. A. P. Cherednichenko. Trudy kaf. obshchestv. nauk OEIS no. 3:54-69 '62.

The struggle of K. Marx for the unity of the working class and the ratification of a socialist program at the First International, on the publication of the first and second volumes of the "Protocols of the General Council of the International Association of Workers. F G. Riabov, Z. V Chernukha Vop ist KPSS 8 no 9 128-132 S '64

Transition from capitalism to communism is the basic feature of our time B. A. Frunov Uch zap Kaf. obshchestv nauk vuz g Len ; Filos. no 4·3-17 '63.

Trip to the Amsterdam International Institute of Social History. A. I. Malysh. Vop ist KPSS 8 no. 8 154-156 Ag '64

COMMUNISM—HANDBOOKS, MANUALS, ETC.

A useful handbook on the fundamentals of scientific communism. A. P. Mashkov, L. S. Pavlov, A. F. Furman. Nauch. dokl. vys. shkoly, filos nauki 7 no. 1:167-171 '64.

COMMUNISM AND ART

Contemporary art and communism. G. Nedoshivin. Stroi. komm. v SSSR i zad. izobr isk. no. 3:3-28 '62.

Dremov, A. K. [Struggle of the CPSU for party and national character in art] Bor'ba KPSS za partiinost' i narodnost' iskusstva. Moskva, Izd-vo "Znanie," 1964. 69 p. (Narodnyi universitet kul'tury Fakul'tet literatury i iskusstva, no. 6)

For ideology and socialist realism. Nov. mir. 39 no. 4 3-10 Ap '63.

International unity of Soviet art. E. Zinger. Stroi. komm. v SSSR i zad. izobr. isk. no 3,29-51 '62.

Moscow. Akademiia obshchestvennykh nauk. [On the educational role of literature and art, the image of our contemporary] O vospitatel'noi roli literatury i iskusstvo, obraz nashego sovremennika. Moskva, Izd-vo "Mysl'," 1964. 242 p.

COMMUNISM AND BUDDHISM

Buddhist Church as a weapon of communist policy. N. A. Teodorovich. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:71-92 N-D '63.

COMMUNISM AND LITERATURE

Aleksandrova, L. P. [Soviet Russian literature] Russkaia sovetskaia literatura. [Kiev] Izd-vo Kievskogo univ., 1964. 298 p.

Along Lenin's path Nov. mir 40 no 4 5-12 Ap '64

Art of an heroic epoch Kommunist 41 no. 10 25-40 Jl '64

Dremov, A. K. [Struggle of the CPSU for party and national character in art] Bor'ba KPSS za partiinost' i narodnost' iskusstva. Moskva, Izd-vo "Znanie," 1964. 69 p. (Narodnyi universitet kul'tury; Fakul'tet literatury i iskusstva, no. 6)

For ideology and socialist realism. Nov. mir. 39 no. 4·3-10 Ap '63.

Moscow. Akademiia obshchestvennykh nauk. [On the educational role of literature and art; the image of our contemporary] O vospitatel'noi roli literatury i iskusstva; obraz nashego sovremennika. Moskva, Izd-vo "Mysl'," 1964. 242 p.

COMMUNISM AND MOTION PICTURES

The charm of humanity. Evg. Gromov. Mol. komm. no. 2:122-127 F '64.

COMMUNISM AND MUSIC

For party ideology in art. D. Shostakovich. Sov. muz. 28 no. 2 3-8 F '64

COMMUNISM AND RELIGION

Grekulov, E. F. [The Orthodox inquisition in Russia] Pravoslavnaia inkvizitsiia v Rossii. Moskva, Izd-vo "Nauka," 1964. 166 p. (Nauchno-populiarnaia seriia)

Scientific atheistic propaganda and the fight against the offenses of church people and sectarians by means of the criminal law. IU. T. Mil'ko. Sov. gos. i pravo 34 no. 7:65-75 Jl '64.

COMMUNIST COUNTRIES—CHURCH AND STATE

Krasnikov, N. P. [Socialist governments and the church; establishment of new relations between the state and the church in some European countries of the people's democracy] Sotsialisticheskie gosudarstva i tserkov'; ob ustanovlenii novykh otnoshenii mezhdu gosudarstvom i tserkov'iu v nekotorykh evropeiskikh stranakh narodnoi demokratii. Leningrad, Ob-vo "Znanie" RSFSR, 1964. 50 p.

COMMUNIST COUNTRIES—COMMERCE—MATHEMATICAL MODELS

Model of a current optimization of foreign trade and its application. V. TShetsjakovski. Vnesh. torg. 44 no. 6: 20-28 '64.

COMMUNIST COUNTRIES—CONSTITUTIONAL LAW

Panel review of the papers entitled "Constitutional law of socialist countries." O. E. Kutafin, L. V. Lazarev, Z. G. Enikeeva. Sov. gos. i pravo 34 no. 7:149-151 Jl '64.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Philosophical analysis of characteristics of the development of socialist production methods N M Vasil'ev and others Vop filos 18 no 6 167-168 '64

COMMUNIST COUNTRIES—FOREIGN RELATIONS

Substantive study. I. Orlik. Mezhdunar. zhizn' 11 no. 9 141-142 S '64.

COMMUNIST COUNTRIES—HISTORY—PERIODICALS

Table of contents of journals appearing in socialist countries. Vop ist 39 no 7 185-186 Jl '64

COMMUNIST COUNTRIES—INDUSTRIAL MANAGEMENT

Philosophical analysis of characteristics of the development of socialist production methods N M Vasil'ev and others Vop filos 18 no 6 167-168 '64

COMMUNIST COUNTRIES—MACHINERY INDUSTRY—MANAGEMENT

Cooperation and international division of labor in the machinery industry in socialist countries K. K. Vinogradov Vest. mashinostr 43 no 12:61-67 D '63

COMMUNIST COUNTRIES—PAYMENT

A new system of accounts. P. Nosko. Vnesh torg 44 no 7:28-31 '64

COMMUNIST COUNTRIES—SCIENCE—INTERNATIONAL COOPERATION

Versatile cooperation of the academies of science of socialist countries I. N Kiselev. Vest AN SSSR 34 no 7 98-99 Jl '64

COMMUNIST EDUCATION
(see also subdivision under Tula Province)

Inculcating social responsibility in grade 9-11 students during the process of production training. G. TS Molonov. Izv. APN no. 129 29-31 '63

Industrial training and social sciences. V. M. Protsenko. Rad. shk. 42 no. 4 88-91 Ap '64.

Let's train them always and everywhere. G I. Luchinin, L. E. Til'man. Nach. shkola 32 no. 7,48-53 Jl '64.

Moscow. Akademiia obshchestvennykh nauk. [Fundamentals of communist education; a textbook] Osnovy kommunisticheskogo vospitaniia; uchebnoe posobie. 2., dop. izd. Moskva, Politizdat, 1964. 375 p.

Moscow. Akademiia obshchestvennykh nauk. [Program for the study of the fundamentals of communist education; for independent students and auditos in seminars of the system of political education] Programma izucheniia osnov kommunisticheskogo vospitaniia; dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 45 p.

Trade unions and workers' education. V Klimenko. Part. zhizn' no. 15:28-34 Ag '64.

COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

[History of the Communist Party of the Soviet Union; a visual aid in four numbers] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; nagliadnoe posobie v chetyrekh vypuskakh. Moskva, Politizdat.
No. 2. [March 1917-1925] Mart 1917 g. - 1925 g. 1964. 221 p.

COMMUNIST EDUCATION—BIBLIOGRAPHY see Bibliography—Communist education

COMMUNIST EDUCATION—STUDY AND TEACHING

[Program for the study of the principles of communist education; for groups, seminars and those who study according to individual plans within the system of party education] Programa vyvchennia osnov komunistychnoho vykhovannia dlia hurtkiv, seminariv i tykh, khto navchaiet'sia za individual'nymy planamy v systemi partiinoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 28 p.

COMMUNIST ETHICS

Akademiia nauk SSSR. Institut filosofii. [Morals and religion] Nravstvennost' i religiia. Moskva, Nauka, 1964. 213 p.

Fundamentals of communist ethics. M. Chalin. Agitator no. 10:56-59 My '64.

It is more complex in life. A. Kalachnikov. Nov. mir 40 no. 2:267-269 F '64.

[The moral compass of a generation] Nravstvennyi kompas pokolenii. [Moskva, Molodaia gvardiia, 1962] 32 p.

[MICROFILM]

Moral duty in the period of the large-scale building of communist society. E. V. Sokolov. Uch. zap Kaf. obshchestv. nauk vuz g. Len. ; Filos. no. 4:168-186 '63.

A serious problem of Marxist ethics. K. A. Shvartsman. Vop. filos. 18 no 7 176-178 '64

COMMUNIST ETHICS—STUDY AND TEACHING

[Program for the study of the moral code of the builders of communism; for clubs of the system of political education] Programma po izucheniiu moral'nogo kodeksa stroitelia kommunizma; dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 23 p.

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES

For unity and solidarity. V. I. Gromeka. Vop ist. KPSS 8 no. 9:117-122 S '64.

Proletarian internationalism as a banner of the workers of all countries and continents Komm Ukr. 39 no 5· 15-40 My '64

COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist parties

COMMUNIST PARTIES—CONGRESSES

Letter of the Central Committee of the CPSU to the Central Committee of the Communist Party of China. Kommunist 41 no 10,9-20 Jl '64

Letter of the Central Committee of the Communist Party of China to the Central Committee of the CPSU Kommunist 41 no 10 20-24 Jl '64

COMMUNIST PARTY see subdivision under China; Estonia, France, Hungary, Japan; Lithuania; Mexico; Poland; Rumania; United States; Uruguay

COMMUNIST PARTY—PERIODICALS see subdivision under Czechoslovakia, Germany, East, Rumania

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Georgia; Gomel'; Kazakhstan; Kostroma Province; Volga Valley)

The Communist Party, the organizer of universal military training for the working masses during the civil war in the U. S. S. R. P. Dmitriev Voen.-ist. zhur 5 no. 4:3-13 Ap '63

Coordination of historical and party research in the country. M. V. Iskrov. Vop. ist. KPSS 8 no. 8,149-154 Ag '64

The cult of personality and the authority of leadership. I. A. Aleksandrov, P. I. Kotel'nikov. Vop. ist. KPSS 8 no. 8 29-33 Ag '64.

Great revolutionary force of the present. Komm. Vooruzh. Sil 4 no. 7:9-17 Ap '64.

[History of the Communist Party of the Soviet Union; a visual aid in four numbers] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; nagliadnoe posobie v chetyrekh vypuskakh. Moskva, Politizdat.
No. 2. [March 1917-1925] Mart 1917 g. - 1925 g. 1964. 221 p.

Lenin's norms of party life. Komm. Vooruzh. Sil 4 no. 7: 38-44 Ap '64.

Letters of workers. Part. zhizn' no. 12:3-7 Je '64.

Moscow. Akademiia obshchestvennykh nauk. [Program for the study of the history of the CPSU; for groups, seminars and those who study according to individual plans within the system of political education] Programa po vyvchenniu istorii KPRS dlia hurtkiv, seminariv i tykh, khto navchaiet'sia za individual'nymy planamy v sistemi politychnoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 52 p.

The newest textbook on the history of the CPSU. P. V. Fedenko. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:5-21 N-D '63.

Not the right form.... Part. zhizn' no. 15:78 Ag '64.

One way of falsifying socialist democracy. M I. Perfil'ev. Vop filos 18 no 7 101-111 '64

Our banner and weapons. Komm. Vooruzh. Sil 4 no. 7: 3-8 Ap '64.

Reorganization of party political work at Ural enterprises in connection with the Great Patriotic War. A. F. Vasil'ev. Vop. ist. KPSS 8 no. 8:50-59 Ag '64.

Russia (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program for the course on the history of the CPSU; for institutions of higher learning (for 190 and 120 hours)] Programma kursa istorii KPSS; dlia vysshikh uchebnykh zavedenii (na 190 i 120 chasov). Moskva [Izd-vo gazety "Pravda"] 1963. 31 p.

Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scholarly research on the history of the party. Vop. ist. KPSS 8 no. 9:157-158 S '64.

Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scientific research on the history of the party. Vop. ist. KPSS 8 no. 8 157-158 Ag '64.

V. I. Lenin and the founding of centers of party historical study. E. N. Gorodetskii. Vop. ist. KPSS 8 no. 8:17-28 Ag '64.

Valuable contribution to the scholarly development of the history of the CPSU; on the publication of the first volume of the "History of the CPSU." B. T. Baglikov, I. I. Groshev, V. M. Donskoi Vop. ist. KPSS 8 no. 9: 122-128 S '64.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Hil'hulin, M. D. [The Eleventh All-Russian Conference of the Russian Communist Party (Bolshevik)] Odinadtsiata Vserosiis'ka konferentsiia RKP (b). Kyiv, Derzhpolitvydav URSR, 1957. 46 p. (Z'izdy i konferentsii KPRS)

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

(see also subdivision under Chukchi Peninsula; Odessa)

"Take the blame yourself." A. Rutman Part zhizn' no.12:45 Je '64.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Kizel, Perm Province; Latvia; Moscow; Murmansk Province; Shuya; Sterlitamak, Bashkiria; Tashkent)

At the source of the communist forms of labor in Odessa. R.I. Marder. Trudy kaf. obshchestv. nauk OEIS no. 3. 135-153 '62.

Attaining a higher level of organizational and political work. V. Bondarenko. Komm. Ukr 39 no. 5:58-66 My '64.

Blakov, V. F., and A. IA. Prostanik. [The party's struggle for realization of Lenin's plan to build socialism in the U. S. S. R., 1926-1932] Bor'ba partii za osushchestvlenie Leninskogo plana postroeniia sotsializma v SSSR (1926-1932 gg.) Moskva, Politizdat, 1964. 78 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Correspondence with readers: Am I worthy of trust? Part.zhizn' no.12:44-45 Je '64.

Communists during the harvest days M.Shepelev Part.zhizn' no.15:53-56 Ag '64.

Following Lenin's path. Sov. shakht. 13 no. 4:1-3 Ap '64.

For the peace, labor, freedom, equality, and happiness of all peoples. Ugol' 39 no.5:1-4 My '64

I love you again and again. S.Il'icheva. Mol.komm. no.2:38-45 F '64.

In the front line of the struggle for large-scale chemistry V. Degtiarev. Komm Ukr 39 no 4:14-19 Mr '64

Kriger, E.G. [Genealogy of heroism] Rodoslovnaia doblesti. Moskva, Politizdat, 1964. 149 p.

Let's improve the political work in the village. V.Stepakov. Agitator no.10:6-10 My '64.

Letters, information, commentaries. Agitator no.10: 60-63 My '64.

A meeting at the Central Committee of the CPSU. Sots. zakon 41 no 4:2-3 Ap '64.

Militant tasks of the rural workers. Komm. Ukr. 39 no. 5:41-49 My '64.

Mineral efforts to create a material and technical base of communism. I. M. Vindychenko. Ugol' 39 no.5: 4-8 My '64.

Overcoming the survivals of the past in people's minds. A.Kostylev. Part.zhizn' no.15:68-73 Ag '64.

The party committee of the production administration gathers strength. M. Podvalkov. Komm. Ukr 39 no. 4:20-25 Mr '64.

The party group on a collective farm. M.Abdrakhmanov, I Anisimov. Part.zhizn' no.16:56 Ag '64.

Party news. Part.zhizn' no.12:78-90 Je '64.

Party news. Part.zhizn' no.15:79-80 Ag '64.

People are the most important factor. Part.zhizn' no.15:74-76 Ag '64.

Propagandize and introduce the new. S.Semenov. Part. zhizn' no.12:73-74 Je '64.

Reaching the mind and heart of everyone. N.Loginov. Part.zhizn' no.15:65-67 Ag '64.

School of patriotism. I. Kh. Bagramian. Mol. komm. no. 2:12-20 F '64.

Service industries as an important sector of the building of communism. Part.zhizn' no.15:3-7 Ag '64.

Supervision by the party is the guaranty of success. A. Shaposhnikova Nar. obr no. 8 7-9 Ag '64.

Training Communists in practical work. A. Dalbov. Komm. Vooruzh. Sil 4 no. 7:52-57 Ap '64.

Training of the leaders and the mass of the agricultural labor force in the Turkmen S.S.R. O. Saparov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1:14-23 '64.

Use all forces in the fulfillment of the program for intensifying agriculture. Komm Ukr. 39 no. 3:3-13 Mr '64.

COMMUNIST PARTY OF THE SOVIET UNION—PERIODICALS

Brief news. Vop. ist. KPSS 8 no.9:156-157 S '64.

COMMUNIST REVISIONISM

Gnoseological roots of the revisionist views on socialist property. V. N. Mazur. Trudy kaf. obshchestv. nauk OEIS no. 3:154-163 '62.

COMMUNIST STATE

Development of the Marxist-Leninist theory of the socialist state in the program of the CPSU. I V. Loktev, M. I. Lomova. Uch. zap. Kaf. obshchestv. nauk vuz. g. Len ; Filos. no. 4:114-132 '63.

Development of the organizational forms of society in the transition period to communism. V.IA.El'meev. Vest. LGU 19 no. 11:48-58 '64.

Problems of law in the program of the Communist Party of the Soviet Union. P.S.Dagel', P.F.Eliseikin. Uch. zap. Dal'nevost. gos. un. no. 6:3-36 '62

COMMUNIST YOUTH LEAGUE

(see also subdivision under Leningrad Province; Smolensk Province; Transcaucasia)

Communist Youth League Nach shkola 32 no 7 9-11 Jl '64.

The daybreak city. G. Somov. Mol. komm. no. 2:1-6 F '64.

Decisions come true. Komm. Vooruzh. Sil 4 no. 7 67-70 Ap '64.

Elbow of a friend. A. Sidorov. Komm. Vooruzh. Sil 4 no. 7:72 Ap '64.

The father in Canada and the lipstick. I. Troianovskii. Mol. komm. no. 2:66-69 F '64.

Initiating life. O. Spasskii. Mol. komm. no. 2:7-11 F '64.

The labor exploits of the Komsomols and working youth of the Chuvash A S S.R. during the years of the Second World War. M.V.Rumiantsev. Uch zap CHNIIIALIE no. 22:75-89 '63.

A personal matter is being discussed. T. Kostina. Mol. komm. no. 2:46-52 F '64.

Responsibility is individual. M. Amelichkin. Komm. Vooruzh. Sil 4 no. 7:70-72 Ap '64.

Sofronov, L. S. [Until we meet again, friends!] Do novoi vstrechi, druz'ia! [Moskva] Molodaia gvardiia, 1964. 76 p. (Na obshchestvennykh nachalakh)

Vsesoiuznyi Leninskii Kommunisticheskii Soiuz Molodezhi. [Statute. Approved by the 14th Congress of the Communist Youth League] Ustav. Priniat XIV s"ezdom VLKCM. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1962. 31 p.
(NhD)

COMMUNISTS

Kriger, E. G. [Genealogy of heroism] Rodoslovnaia doblesti. Moskva, Politizdat, 1964. 149 p.

Petrov, F. M. [The past and the present, reminiscences of my life, activity and encounters, Mynule i suchasne, spohady pro moe zhyttia, diial'nist', zustrichi. [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1963. 188 p.

COMMUNITY AND SCHOOL

(see also subdivision under Shelkovo, Moscow Province)

Stepanova, A. M., and A. I. Kaskov. [How to organize work among children and adolescents] Kak organizovat' rabotu sredi detei i podrostkov. [Moskva] Profizdat, 1964. 78 p. (Bibliotechka profsoiuznogo aktivista, no. 12(84))

COMMUNITY CENTERS

In the land of song, a sketch A Emel'ianov. Sov profsoiuzy 20 no 14 40-42 Jl '64

[Production administrations and cultural establishments] Proizvodstvennye upravleniia i uchrezhdeniia kul'tury. Moskva, Sovetskaia Rossiia, 1964. 57 p (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku" no. 9)

COMPARATIVE ANATOMY see Anatomy, Comparative

COMPARATIVE LITERATURE see Literature, Comparative

COMPASS see subdivision under United States

COMPETITION, INTERNATIONAL

Babiiak, N. M., and O. I. Kuzheleva. [The competition between the two worlds] Sorevnovanie dvukh mirov. Moskva, Politizdat, 1964. 61 p.

Competition between the two systems and the young states. A. Gatsoev, F. Politkin, P Khmylov. Mezhdunar zhizn' 11 no. 9.112-119 S '64.

Miroshnichenko, V. S. [Economic competition between the socialist and capitalist economic systems, an historical and economic study] Ekonomicheskoe sorevnovanie sotsialisticheskoi i kapitalisticheskoi sistem khoziaistva; istoriko-ekonomicheskii ocherk. Moskva, Ob-vo po razprostraneniiu polit. i nauchn. znanii RSFSR, 1960. 39 p.
[MICROFILM]

Peaceful coexistence of countries with different social systems and the ideological crisis of contemporary capitalism. A. Gede. Nauch. dokl. vys. shkoly, filos. nauki 7 no. 1:29-36 '64.

COMPLEMENT FIXATION

Allergy and the reaction of complement fixation in the experimental paratuberculosis of goats V E Shchurevskii Veterinariia 41 no 4.20-21 Ap '64

Change in the antigen properties of human embryonal tissue during prolonged cultivation. A.M.Eroshkina, V.N.Kolmykova. Vop. onk. 10 no.3:27-33 '64.

Reaction of complement fixation as a test for toxoplasmosis in donors. S. A. Filina, N. Kh. Pogosian. Zhur. eksp. i klin. med. 4 no. 2:85-88 '64.

Use of the reaction of complement fixation for studying the antigenic structure of the principal representatives of microbes of the group Salmonella. D.L.Trapaidze. Soob. AN Gruz. SSR 33 no. 3:651-654 Mr '64.

COMPLEX COMPOUNDS

C [illegible] of [illegible] nds. [illegible] min [illegible] 333-1344 [illegible]

Calculation of the ionicity of bonds in complex ions by the method of electronegativity. S.S.Batsanov. Zhur neorg khim. 9 no.6:1323-1327 Je '64

Cryoscopic study of complex formation in the system $CdBr_2 - KI - H_2O$ E M Belousova, A G Gaz[illegible] Nauch ezhegod Khim fak Od un no 2 59-[illegible] '61

Effect of cations of alkaline and alkaline earth metals on complex formation in aqueous solutions. V.I. Mironov, F.IA.Kul'ba, V A Fedorov Zhur neorg khim. 9 no 6.1487-1489 Je '64

Exchange reaction of acetals and their halo derivatives with Iotsich complex M R Kulibekov Dokl AN Azerb.SSR 20 no.5 15-21 '64

Obtaining aminoacetylenic complex compounds of the chlorides of nickel and cobalt S N Vartanian, R A Karapetian, R S Eminian Iz AN Arm SSR Khim. nauki 16 no 2 125-129 '63

Possible types of the reciprocal systems consisting of 12 salts A, B, C // X, Y, Z, T. G E.Dmitrenko. Zhur. neorg. khim. 9 no.6:1503-1510 Je '64

Preparation of complex-forming polymeric materials as homogeneous films and the study of their properties. A A Efendiev and others. Azerb Khim zhur. no 5: 73-78 '63

Specific gravity and water vapor pressure of lithium tetraiodomercuroate crystal hydrates A I Pozigun Nauch ezhegod Khim fak Od un no 2 52-54 '61

Spin relaxation in Brownian rotation of paramagnetic complexes in fluids R M.IUl'met'ev, K A Valiev. Izv. vys ucheb. zav., fiz no 4:53-63 '64

Studies in the chemistry of complex compounds conference at the Department of General and Technical Chemistry V A Golling Vest AN SSSR 34 no 7 108-109 Jl '64

Ternary compound consisting of lithium, sodium, and ammonium sulfates I G Druzhinin, M.Kidynov, S.A Lomteva. Dokl AN SSSR 157 no 4:910-912 Ag '64

Thermal decomposition of silver sulfite containing Pb^{++} and VO_3^{-} admixtures. IU. A. Zakharov, G. G. Savel'ev. Kin. i kat. 5 no. 2:345-347 Mr-Ap '64.

COMPLEX COMPOUNDS—ELECTRIC PROPERTIES

Electroconductivity method used in investigating complex formation in the systems $CdCl_2 - KCl - H_2O$ and $CdCl_2 - KBr - H_2O$ A. V Grineva and others Nauch ezhegod. Khim. fak. Od un no 2 7-12 '61

COMPLEX COMPOUNDS—OPTICAL PROPERTIES

Refractometric study of complex formation in the system cadmium chloride - potassium bromide - water A O Pozigun, N A Goncharova, V F. Bakhmat Nauch ezhegod. Khim fak Od un. no 2 5-7 '61.

COMPLEX COMPOUNDS—THERMODYNAMICS

Soluble complexes of unsaturated hydrocarbons with metal salts and their role in catalytic reactions. Part 4: Thermodynamics of the formation of soluble π-complexes of ethylene with Ag^{+} and Cu^{+} ions. O. N. Temkin, A. G. Ginzburg, R. M. Flid. Kin. i kat. 5 no. 2:221-227 Mr-Ap '64.

COMPLEXES

Affine theory of a linear complex N.M Onishchuk. Izv. vys. ucheb. zav., mat. no. 6:123-132 '63.

A centroaffine invariant class of complexes. I. I Magazinnikov Sib mat. zhur 5 no. 4:881-886 Jl-Ag '64

Complexes of segments of a certain class of closed Riemann surfaces. V. G. Tairova Sib. mat zhur. 5 no. 4:929-951 Jl-Ag '64.

Coverings for a graph provided by a system of neighborhoods of its vertices. F IA. Vetukhnovskii. Dokl. AN SSSR 158 no. 1 21-24 S-O '64.

Cyclic pairs of T_n-complexes. N Dadazhanov Sib. mat. zhur. 5 no. 4 793-803 Jl-Ag '64

Some properties of the stability of bases. B. E Veits. Dokl. AN SSSR 158 no. 1.13-16 S-O '64.

COMPLEXONS

C [illegible]

Complexes of protein molecules with polyanions and the effect of ultrasonic waves on them F I Braginskaia, I E. El'piner. Biofizika 8 no 1:34-39 '63

Complexonometric determination of copper in minerals by the metal indicator hematoxylin. A. I. Cherkesov. A S Aleksandrovich-Mel'nikova Trudy Astr tekh inst ryb prom. i khoz. no 8:97-103 '62

Compleximetric determination of phosphate ions in pharmaceutical preparations Report No. 2. S. M Birinbolm. Farmatsev. zhur. 18 no 5:41-44 '63.

Complexometric determination of sulfuric acid in the presence of tartaric acid. A. A Vulikhman, V. N. Ermilova, N. L. Olenovich. Nauch. ezhegod. Khim. fak Od. un. no. 2:83-85 '61

Some piridine azo dyes as complexometric indicators for gallium. A. I. Busev, L. M Skrebkova. Izv Sib. otd. AN SSSR no 7:57-63 '62.

COMPOST

[illegible] 37-40 [illegible]

[illegible] 2 47-2[illegible]

COMPRESSED AIR

[illegible] A, Murzin, IU, A [illegible] 7 no 9 25-26 S

COMPRESSED WOOD see Wood compressed

COMPRESSIBILITY

Determining the compressibility of metals and alloys, [illegible] Fiz. met. i metalloved 17 no. 6 [illegible] Je '64

Device for the determination of the compressibility of [illegible] IU. N. Vasil'ev Mash. i neft. obor. no 2 37-33 '63

COMPRESSORS

Approximation method for calculating the operational range of a centrifugal compressor with regulated blade [illegible] G I Lanov Energomashinostroenie 10 no 5 40-43 My '64

Automatic control of the gas-motor compressors on the Saratov-Moscow gas pipeline. O.G.Il'skii. Gaz.delo no. 7 10-23 '64.

[illegible] control of the start up of stand-by units in a [illegible] station with electric drive V M Korotin. Gaz. delo [illegible] 42 44 '64

Calculation of velocity fields in the rotor wheel of a compressor D V Ishatinov Energomashinostroenie 10 no 5 17-19 My '64

Regulating pressure surges in the pipelines of compressor machinery A A Kozotko, S A Khachaturian Izv. vys. ucheb. zav.; neft' i gaz 5 no 10 83-88 '62

Operation and efficiency of a compressor station with multiple stage centrifugal pumps V D Dobroskotov Gaz. delo no 3 25-29 '63

Power drive for compressor stations. M V Sidorenko, K I. Genkin Gaz prom 8 no. 7:43-46 '63

COMPRESSORS—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref zhur Nasosostr i kompressorostr *no 8 Ag '64*

COMPRESSORS—AERODYNAMICS

Effect of characteristics of the guide rig on the development of rotating separation in the rotor wheel of an axial flow compressor Chz TSung-liang Izv vys. ucheb. zav. av. tekh 6 no 4 150-156 '63

COMPRESSORS—COOLING

Cooling of air piston compressors by injecting water at the inlet N I Voropai, G V Zhukov, V. M, Kas'ianov Mash i neft. obor no 6:11-18 '63

COMPRESSORS—PARTS

Using capron in the manufacture of the parts of gas-driven compressors. B.S. Petrovskii, Gaz. prom. 9 no. 4:27-30 '64.

COMPRESSORS—THERMODYNAMICS

Masiukov, V.N. [Compressor-type heat transformer and its thermodynamic features] Kompressionnyi teplovoi transformator i ego termodinamicheskoe obosnovanie. Moskva, Vses. nauchno-issl. in-t mekhanizatsii sel'skogo khoz., 1959. 20 p. [MICROFILM]

COMPULSORY MILITARY SERVICE see Military service, *Compulsory*

COMRADES COURTS
(see also subdivision under Moscow)

Jurisdictional relations of comrades courts with organs *of the police,* prosecutors offices, and courts. V. Shind Sots. zakon. 41 no. 4:44-48 Ap '64.

CONCENTRATION CAMPS see subdivision under Latvia

CONCEPTS

Contradiction in mechanical motion reflected in concepts. S P Dudel' Vop filos 18 no 7 26-37 '64

CONCERTS see subdivision under Leningrad; Moscow

CONCRETE

Concrete out of a tube. IU. Puzikov Izobr. i rats no. 5: 12-14 '64

Determination of vibration modes for settling a concrete solution using radioactive isotopes. V. A. Volokhov Energ. stroi. no. 33:53-59 '63.

Mironov, S. A., and others. [Methods for the rapid heat treatment of concrete and prospects for using them in the production of precast concrete] Metody kratkovremennoi teplovoi obrabotki betona i perspektivy ikh primeneniia pri proizvodstve sbornogo zhelezobetona. Moskva, Stroiizdat, 1964. 117 p.

Self-induced deformations of silicate concrete during the manufacturing process B Vektaris, J. Krikstopaitis Trudy AN Lit. SSR Ser. B no. 1 243-251 '62.

Shrinkage of silicate concrete. B Vektaris, I Krikstopaitis Trudy AN Lit SSR *Ser B* no. 1:253-259 '62

Tret'iakov, A K. [Concrete work] Betonnye raboty. Moskva, Vysshaia shkola, 1964. 254 p

Using dolomite for high-strength concretes. M. M. Izraelit, N.S. Gerashchenkov. Stroi. mat. 9 no 6: 25-26 *Je* '63.

Using polymers in mortars and concretes N. P. Il'ina Sbor nauch rab AKKH no 16 105-107 '62

Volzhenskii, A. V., G. S. Kogan, and IU. S. TSukanov. [Gypsum-cement-puzzuolanic binding materials and concretes on their base] Gipsotsementnopuitstsolanovye vlazhushchie veshchestva i betony na ikh osnove. Riazan', Riazanskaia kompleksnaia nauchno-issl. stantsiia-laboratoriia po sel'skomu stroitel'stvu NIISZ AS i SSSR, 1961. 48 p. *[MICROFILM]*

CONCRETE—CURING

Instruments developed by the Kuznetsk Scientific Research Institute for the design and construction of mines in the coal industry for determining rock movements and the intensity of rock pressure L. M. Erofeev and others Trudy KuzNIIshakhtostroia no. 1:80-84 '63.

CONCRETE—HARDENING

Study of the qualities of sodium sulfate and potash as additions for concrete hardeners. T.S Larionova, K. V. Rapoport. Sbor nauch. trud. NII po stroi. ASIA no. 4 98-107 '63.

CONCRETE—STANDARDS

Road concrete Biul. stroi. tekh. 20 no. 12:19-21 D '63

CONCRETE—TESTING

Determining the resistance of concrete to tension by the cracking method O I. Shtern Transp. stroi 14 no 1 48-49 Ja '64

CONCRETE BLOCKS

Production of cementless slag concrete blocks. L. M. Shurak, I. A. Rybalko, E. V. Borovitskii. Stroi. mat. *9 no. 6:20-21 Je '63.*

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

Experimental construction of a wave damping berm made of tetrapods A. I Freikman. Transp. stroi. 13 no 10: *25-27 O '63*

Installation of a concrete arch for the bridge across the Parramatta River. I. E TSimbarg. Transp. stroi 13 *no 10 73-74 O '63.*

Testing models of continuously *reinforced elements and* units of precast reinforced concrete trusses N. N. Bogdanov, V P. Kamentsev, G. P. Solov'ev. Transp. stroi 13 no. 10:56-59 O '63.

CONCRETE CONSTRUCTION—TESTING

Device for measuring protective concrete coatings. IU. Bagaev. Radio no 1:33-34 Ja '64

Using ultrasound for testing structural elements. N. G. Smolenskaia. Sbor. nauch. rab AKKH no. 16:79-83 '62

CONCRETE PILING

Installing bridge foundations on shelled piles with widening by underground explosion, *I. G. Bypov, V. A. Kotor,* M. IA. Shklovskii. Transp. stroi. 13 no. 10.14-17 O '63.

CONCRETE PIPE see Pipe, Concrete

CONCRETE PRODUCTS

Experimental study of prestressed elements under bending with calculation of the time factor S F. Kabil'dzhanov Sbor. nauch. *trud. NII po stroi. ASIA* no. 4:49-60 '63

Moscow. Nauchno-issledovatel'skii institut betona i zhelezobetona. [Manual on the electric heating of concrete and reinforced concrete elements and products] Rukovodstvo *po elektroprogrevu betonnykh i zhelezo*betonnykh konstruktsii i izdelii. Moskva, Stroiizdat, 1964. 110 p.

Using cement-perlite and lime-perlite binder in the manufacture of perlite-concrete products. P. M. Zil'berfarb, G. G. Zaitsev. Sbor. *trud. ROSNIIMS* no. 25: 120-134 '62.

CONCRETE REINFORCEMENT

Calculation of the tension of elements of stressed reinforcements of reinforced concrete structures according to their *"deformations".* A. M. Mukhitdinov. Sbor. nauch. trud. NII po stroi. ASIA no. 4:3-9 '63.

*Electro*thermal hardening of reinforcement bars. B. IA. Riskind. Inform. biul. VDNKH no. 2:19-20 F '64.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for the use in reinforced concrete structures of class A-IV hot-rolled rod *reinforcement* made of brand-new steel. Approved by the U. S. S. R. State Committee for Construction January 31, 1964] Ukazaniia po primeneniiu v zhelezobetonnykh konstruktsiiakh sterzhnevoi goriachekatanoi armatury klassa A-IV iz stali novykh marok *(SN 269-64) Utverzhdeny* Gosudarstvennym komitetom po delam stroitel'stva SSSR 31 ianvaria 1964 g. Izd. ofitsial'noe. Moskva, Stroiizdat, 1964. 20 p.

CONCRETE REINFORCEMENT—CORROSION

Corrosion of the reinforcement in perlite concrete. T. G Koz'mina. Sbor trud. ROSNIIMS no. 25:135-140 '64.

CONCRETE ROADS see Roads, Concrete

CONCRETE SLABS

Bridge road laid on reinforced concrete slabs without the use of ballast. D. I Vasil'ev, A. M. Neman . Zhel. dor. transp. 46 no. 1:40-42 Ja '64

Reinforced concrete slab coverings measuring 1. 5 x 6m. Biul stroi tekh 20 no. 12 35-36 D '63

CONCRETE WALLS

Bracing 6-12M self-supporting wall panels to supporting structures of buildings. U. F. Fazylov. Sbor. nauch. trud. NII po stroi. ASIA no. 4 44-48 '63.

Study of the stability and deformability of [illegible] panels in skewing. A. A. Adilkhodzhaev, A. Akhborov, A. I. Leushkin. Sbor. nauch. trud. NII po stroi. ASIA no. 4:10-18 '63.

CONDENSATE OIL WELLS
(see also subdivision under Bashkiria; Russkiy Khutor Gas Field; Shebelinka Gas Field)

Approximate method for calculating the thermal flow regime in planning the development and setup of gas and gas condensate fields. IU. P. Korotaev. Trudy VNIIGAZ no. 19/27:170-172 '64.

Determining the minimal gas flow rate required to lift a liquid condensate from the well bottom. [illegible], S. S. Aleskerov, S. G. Mattiosov. Azerb. neft. khoz. *42 no. 6.24-26 Je '63.*

Determining the minimum permissible yield required for the complete withdrawal of a condensate. [illegible] A Alidzhanov. Azerb. neft. khoz. 43 no 3:20 Mr '64

Estimating the reserves of stable condensate and its recovery factor. V. V IUshkin, IA D. Savvina. Gaz. prom. 9 no. 7 7-11 '64.

CONDENSATION PRODUCTS (CHEMISTRY)

Investigating a water condensate of a *gas separator* of a pyrogenic unit. D. A. Aliev, S. G. Alieva, L. K. Sniatkova. Khim. i tekh. topl. i masel 9 no. 4:30-34 Ap '64.

Syntheses based on diene condensation. Part 3: Condensation of vinylaryl ketones with some conjugated diene hydrocarbons. M. I. Shevchuk, N. I. Ganushchak, A. V. Dombrovskii. Zhur. ob. khim. 34 no. 7:2247-*2250 Jl '64.*

CONDENSATION TRAILS

Connection between the preservation time of condensation trails of aircraft and the evolution of a cirrus. [illegible] Bogatkin. Meteor. i gidrol. no. 8:33-34 Ag '64.

CONDENSED MILK see Milk, Condensed

CONDENSERS (ELECTRICITY)

Effect of thermal and vacuum treatment of paper condensers on their electrical and power characteristics I. F. Peresolentsev. Elektrotekhnika 35 no. 6:48-50 Je '64.

CONDITIONED RESPONSE

Automatic feeding trough for the conditioned response chamber. D. V. Lyzogubov, M. I. Nikiforov. Fiziol. zhur. 10 no. 1:136-137 '64.

Changes in conditioned reflex activity in dogs under the influence of Eleutherococcus. T. M. Kucherenko. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5:229-232 '63.

Changes in conditioned response function and cholinesterase *activity in animal blood* under the effect of methyl mercaptophos. N. K. Statsek. Fiziol. zhur. 10 no. 1:122-125 '64.

Characteristics of attention transfer in connection with certain individual and typological properties of the *higher* nervous activity. Report No. 2. Comparison of data on typological distinctions in the aftereffect of inhibition process with the "five indices" of the mobility of nervous processes. I. V. Poliakova. Izv. APN no. 120:206-213 '63.

Conditioned pupillary reflexes following the administration of trimecaine. V. P. Baskakova. Farm. i toks. 26 no. 5:516-519 S-O '63.

Conditioned reflex method in successful therapy of postencephalitic Gunn's syndrome. G. A. Gladkov. Zhur. nevr. i psikh. 63 no. 9:1329-1332 '63.

Conditioned response activity in animals revived following fatal electric trauma. M. P. Adamenko, A. P. Kovtun. Fiziol. zhur. 10 no. 1:47-54 '64.

Effect of bromine on secretory and situational conditioned reflexes in normal dogs and dogs exposed to X rays. O. N. Voevodina. Farm. i toks. 26 no. 2:146-149 Mr-Ap '63.

Effect of 6-methylthiouracil on the thyroid gland and conditioned reflexes in dogs. M. I. Rozin. Vestsi AN BSSR. Ser. biial. nav. no. 4:100-106 '63.

Effect of some isothiuronium pyridoxine derivatives on blood circulation and some functions of the nervous system. S. IA. Arbuzov, V. I. Generalov. Farm. i toks. 26 no. 5:518-525 S-O '63.

Evaluating the steadiness of basic nervous processes in dogs with various types of the nervous system. M. S. Krasnovs'ka. Fiziol. zhur. (Ukr.) 9 *no. 6:810-812* N-D '63.

CONDITIONED RESPONSE (Continued)

Formation and dynamics of conditioned inhibition in ontogenesis in dogs. L. N. Kozlova. Fiziol. zhur. 10 no. 1:38-46 '64.

Kupalov, P.S., and others. [Situational conditioned reflexes in normal dogs and in pathology] Situatsionnye uslovnye refleksy u sobak v norme i patologii. [Leningrad] Meditsina, 1964. 274 p.

Motor alimentary (food-procuring) conditioned reflexes in dogs at different moments of a static load H. H. Filipova Fiziol zhur [Ukr] 9 no 6 731-740 N-D '63.

Possibility of establishing motor food conditioned reflexes after the destruction of caudate nuclei M M. Oleshko Fiziol. zhur. [Ukr.] 9 no 6 813-816 N-D '63

Problem of the "visceral brain." E.Sh.Airapetiants. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:19-48 '63.

Reactivity of the animal body to narcotics following a prolonged effect of lateral acceleration. V E Belai, P.V. Vasil'ev, S. P. Kolchin Farm. i toks. 26 no. 5. 559-563 S-O '63

CONDUCTOMETRIC ANALYSIS

Amperometric determination of iron, copper, and zinc in aluminum alloys by titration with 8-mercaptoquinoline. IU.I. Usatenko, V. I. Suprunovich. Zav. lab 30 no. 6.662-663 '64.

Amperometric titration of gold by an unithiol solution. O. A. Songina, Kh K. Ospanov, Z. B. Rozhdestvenskaia Zav lab 30 no. 6:664-667 '64

Amperometric titration of mercury with 2, 4-dithiobiuret. A. S. Sukhoruchkina, IU. I. Usatenko. Trudy DKHTI no. 16:113-122 '62.

Amperometric titration of palladium with 1,2-cyclohexanedione dioxime. O.M.Ivonina. Zhur.anal.khim. 19 no. 5:644-646 '64.

Amperometric titration with 8-mercaptoquinoline solution. V. I. Suprunovich, IU. I. Usatenko. Trudy DKHTI no. 16:123-131 '62.

Determining sodium acetate content of polyvinyl alcohol by the conductometric method. D.B.Gurvich, V.A. Balandina, R.V.Kosmakova. Plast.massy no.2:69-71 '64.

Dimercaptothiopyrones, new analytical reagents. Report No. 2: Amperometric titration of copper. A. M. Arishkevich, IU. I. Usatenko. Trudy DKHTI no. 16:47-52 '62.

High-frequency titration. Report No. 11: Determination of perchloric acid in its mixture with nitric acid in a glacial acetic acid medium. V.M.Bokina, V.A.Zarinskii. L.M.Shtifman. Zhur.anal khim. 19 no.5,635-637 '64.

Redox potentials of p-hydroxyphenylglycine at varying pH values. IA. M. Veprik, G. P. Faerman. Zhur. fiz. khim. 36 no. 3:502-507 Mr '62.

CONEFLOWER

Fertilization process in Rudbeckia maxima. S.N. Movsesian. Izv.AN Arm.SSR.Biol.nauki 17 no.2:77-83 F '64.

CONFECTIONERY

Instrument for measuring moisture content of caramel mass. I S. Lur'e, S. A. Obruchkov, A. N. IAgubets. Khleb. i kond. prom. 8 no 7:12-16 Jl '64.

Preparation of invert syrup. M. S. Druzhkov. Khleb. i kond. prom. 8 no 7:37 Jl '64.

CONFECTIONERY—MANAGEMENT see subdivision under Kiev

CONFORMAL MAPPING

The generalized reduced modulus and some of its applications. I. P. Mitiuk Izv vys ucheb. zav., mat. no. 2:110-119 '64.

Quasi-conformal mappings in space. I. P Mytiuk. Dop. AN URSR no. 8:1022-1025 '64.

Variation method in the theory of quasi-conformal mappings of closed Riemann surfaces. S.L.Krushkal'. Dokl.AN SSSR 157 no.4:781-783 Ag '64.

CONGLOMERATE see subdivision under Caucasus, Northern

CONGO (LEOPOLDVILLE)—INVESTMENTS, AMERICAN

Expansion of American capital in the Congo. IU.Gusev. Mir.ekon.i mezhdunar.otn. no.8:99-102 '64.

CONGO (LEOPOLDVILLE)—MILITARY ASSISTANCE, AMERICAN

American adventure in Africa. IU. Bochkarev. Nov. vrem. 22 no. 34:12 Ag '64.

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

American adventure in Africa. IU. Bochkarev. Nov. vrem. 22 no. 34:12 Ag '64.

Battle for independence. N. IUr'ev. Mezhdunar. zhizn' 11 no. 9.131-132 S '64.

Development of events in the Congo. V. Sidenko. Nov. vrem 22 no. 32:4-5 Ag '64.

CONGRESSES AND CONVENTIONS

[Bulletin of international scientific meetings, conferences, and congresses] Biul. mezhdunar. nauch s''ezd, konf. i kongr. nos. 4-5 '64.

CONIFERAE see subdivision under Kaliningrad Province

CONIFERAE, FOSSIL see subdivision under Sakhalin

CONJUNCTIVA—ANATOMY

Lymphatic vessels of the human conjunctiva. A. M. Gusev Arkh anat gist i embr 45 no 11:81-87 N '63

CONJUNCTIVITIS, GRANULAR

Belash, L. F. [Trachoma] Trakhoma. Moskva, Meditsina, 1964. 15 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Laboratory diagnosis of trachoma and adenovirus diseases of the conjunctiva and cornea N S Zaitseva V O Andzhelov Lab delo no 7 396-398 '64

CONNECTIVE TISSUES—DISEASES

Histopathology of the connective tissues and lymphatic vessels of the cirrhotic liver. IU. F. Vikaliuk. Arkh. pat. 26 no. 2:56-62 '64.

CONNEXES

Group connectivities of absolute parallelism realizable on hypersurfaces of an affine space A.K.Rybnikov. Vest.Mosk.un.Ser.1: Mat., mekh. 19 no.4:30-41 Jl-Ag '64.

CONODONTS see subdivision under Leningrad Province

CONSCIENCE

The good, duty, and conscience L. M Arkhangel'skii Vop. filos 18 no 6 69-79 '64

CONSCIOUSNESS

The conscious and the "unconscious" in artistic creation. T. T. Napolova. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:77-86 '64.

A few new problems of consciousness. V. P Tugarinov. Vest.LGU 19 no. 11:86-93 '64.

CONSERVATION OF NATURAL RESOURCES

Conservation of natural resources in the foreign countries D. L. Armand, L. N. Karpov, V P. Kovalevskii. Izv. AN SSSR. Ser geog. no. 4:97-110 '64

CONSERVATION OF NATURAL RESOURCES—LAWS AND LEGISLATION

Legal issues in the conservation of natural resources in the U.S.S.R. N.A.Belaev and others. Sov. gos. i pravo 34 no.7:158-160 Jl '64.

Legal regulations for conservation. I.F.Bartykov, T.K. Vorontsova. Uch.zap.Dal'nevost.gos.un. no 6:184-206 '62.

Need of strict implementation of laws on the protection of nature. O. Kolbasov. Sots. zakon. 41 no. 4:37-40 Ap '64.

CONSTRUCTION EQUIPMENT

(see also subdivision under Moscow)

Determination of the optimal length of service of construction machines. S. E. Kantorer. Mekh. stroi. 20 no. 7:14-18 Jl '63.

Economic effectiveness of using construction machines I. M. Rusakov. Transp. stroi. 13 no 10:47 O '63.

Increasing the reliability and durability of machines through proper use. N. G. Dombrovskii, K. P. Chudakov, L. A. Feigin. Mekh. stroi. 20 no. 7:10-12 Jl '63.

[Latest technological innovations are available to every construction project] Tekhnicheskie novinki - kazhdoi stroike. [Moskva] Mosk. rabochii, 1964. 134 p.

Semiautomatic machine for preparing concrete reinforcement ties. N. M. Get'man, V. P. Menialo Ugol' Ukr. 7 no. 9.47-48 S '63

Utilization index of capital assets in construction. A. Kazhlaev. Plan. khoz. 41 no. 8:82-85 Ag '64.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Construction equipment and road machinery] Ref. zhur.: Stroi. i dor. mash. no. 8 Ag '64.

CONSTRUCTION EQUIPMENT—COLD WEATHER OPERATION see subdivision under Bratsk (Irkutsk Province)

CONSTRUCTION EQUIPMENT—MAINTENANC *REPAIR*

(see also subdivision under Rzhev, Kalinin Province)

Tutorskii, I. P., M. F. Stramous, and S. E. R [Machinery repairing enterprises of constr organizations] Remontno-mekhanicheskie p stroitel'nykh organizatsii. Moskva, Stroiiz 205 p.

[illegible]

CONSTRUCTION INDUSTRY

(see also subdivision under Altai Territory; Artemovsk; Kazakhstan; Leningrad Province; Rzhev, Kalinin Province; Uzbekistan)

Basic regulations for setting up draft plans for design and research work and the work of design organizations for 1964-1965. Biul stroi tekh 20 no. 7:5-8 Jl '63.

Brief news. Transp. stroi 13 no. 10:78-79 O '63.

Brief news Transp stroi 14 no 1:62-63 Ja '64

Building materials, products, structural elements, and equipment General part Biul stroi tekh 20 no. 12 8-10 D '63

"Earthwork General regulations on the carrying out and acceptance of completed work " Biul stroi tekh. 20 no. 7:27-29 Jl '63.

Economic effectiveness of using construction machines I M. Rusakov. Transp stroi. 13 no 10.47 O '63.

Exhibitions of special items Inform. biul. VDNKH no. 8: 16-18 Ag '63

For the 46th anniversary of the Great October. Transp. stroi. 13 no. 10 2-3 O '63.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R Biul stroi tekh 20 no. 12 37-33 D '63

In the State Committee on Construction of the U.S.S.R. Biul.stroi.tekh. 20 no.7.43-44 Jl '63.

In the State Committees on Construction of the Union Republics. Biul.stroi.tekh. 20 no.7.44-45 Jl '63.

"Industrialization of construction. Basic regulations." Biul.stroi.tekh. 20 no.7:25 Jl '63.

Information. Stroi.mat. 9 no.6:40 Je '63.

Introduction into practice of new chapters of Construction Specifications and Regulations. Biul.stroi.tekh. 20 no 7:31-32 Jl '63.

Khachatriants, I. T., and others. [Small-scale mechanization in the construction industry and its effectiveness] Malaia mekhanizatsiia v stroitel'stve i ee effektivnost'. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 33 p.
[MICROFILM]

List of planning and construction standards approved by the State Committee on Construction of the U.S.S.R. in the second quarter of 1963. Biul stroi.tekh 20 no.7:48 Jl '63.

Most important problems of state design experts' testimony. I.A.Levin. Biul.stroi.tekh. 20 no.7:40-42 Jl '63.

New designs. Inform. biul. VDNKH no. 8.14-16 Ag '63.

Pay great attention to projects in the final stage of construction. Transp.stroi. 13 no. 10:1-3 O '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulation governing the interrelations and payments between specialized trusts (administrations) for mechanization and building-assembly organizations] Polozhenie o vzaimootnosheniiakh i raschetakh mezhdu spetsializirovannymi trestami (upravleniiami) mekhanizatsii i stroitel'no-montazhnymi organizatsiiami (SN 272-64). Moskva, Stroiizdat, 1964. 13 p.

CONSTRUCTION INDUSTRY—ACCOUNTING

Olitskii, G. [Standard method of accounting for expenditures in construction and assembling operations; practice of the Alma-Ata Housing Combine] Normativnyi uchet zatrat v stroitel'no-montazhnom proizvodstve; iz opyta Alma-Atinskogo domostroitel'nogo kombinata. Alma-Ata, Kazgosizdat, 1964 [illegible]

—PRODUCTION STANDARDS

Goberman, M D., and A. N. Rusakov. [Establishment of technical norms and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve. Moskva, Stroiizdat.

Pt 1. [Technical and wage norms] Tekhnicheskoe i tarifnoe normirovanie. Izd. 3 , dop. 1964 447 p.

Rimmer, V S. [Setting technical standards for construction operations] Tekhnicheskoe normirovanie stroitel'nykh rabot. Moskva, Mosk zaochnyi stroitel'nyi tekhnikum transp. stroitel'stva, 1963. 112 p. [MICROFILM]

CONSTRUCTION INDUSTRY—QUALITY CONTROL

All-Union public inspection of the quality of construction has been successfully carried out Transp stroi 14 no 1 6 Ja '64.

CONSTRUCTION INDUSTRY—SAFETY MEASURES

Ivtev, N. G. [Safety manual for mechanics in the construction industry] Pamiatka po tekhnike bezopasnosti dlia stroitel'nogo slesaria. Moskva, Stroiizdat, 1964. 70 p. (Tekhnika bezopasnosti v stroitel'stve)

No accidents on construction sites! Okhr. truda i sots strakh. 7 no. 5 11-14 '64

CONSTRUCTION INDUSTRY—STANDARDS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Supplements and amendments to the standard specifications and designs for building, assembling, and repairing operations of 1960] Dopolneniia i izmeneniia k edinym normam i rastsenkam na stroitel'nye, montazhnye i remontno-stroitel'nye raboty (ENIR) 1960 g. Moskva, Stroiizdat.

No. 3. Izd. 2. 1964. 116 p.

"Standards of structural designing. General part." Biul stroi tekh. 20 no. 7·14-18 Jl '63.

CONSTRUCTION WORKERS

(see also subdivision under Segezha, Karelia)

Pure soul V Zhidkov Sov. profsoiuzy 20 no 16·36-37 Ag '64

The show-off A. Eventov Sov profsoiuzy 20 no 16·14-15 Ag '64

CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Cars for technical propaganda at construction sites. V. I. Uglitskii, V. I. Somin, V.S. Krivoshein. Transp. stroi. 13 no. 10; 8-9 O '63.

CONSULAR LAW

More on the history of the consular institution. O F. Sakun. Uch zap IMO no 16·237-254 '63.

CONSUMPTION (ECONOMICS)

Measuring the correlation between the population's monetary expenditures for the purchasing of goods and its monetary income G Mindolin Vest. stat no 8 63-64 '64

Strengthening the links between the clothing industry and commerce is a most important task of the national economy. P. I. Vakhrin. Shvein. prom. no. 2;19-22 Mr-Ap '64.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeis. raz. vid. transp i kont. perev. nos. 7-8 Jl-Ag '64.

CONTAINERS—STANDARDS

[Potatoes, fruit, berries, vine crops, mushrooms, and the products of their processing; collection of State standards, specifications for the Republics, and technical specifications] Kartofel', ovoshchi, plody, iagody, bakchevye kul'tury, griby i produkty ikh pererabotki; sbornik gosudarstvennykh standartov, respublikanskikh tekhnicheskikh uslovii i tekhnicheskikh uslovii. Moskva, Izd-vo Standartov.

Pt. 2. 1964. 521 p.

[Wooden, paper, and cardboard containers and auxiliary packaging materials] Tara dereviannaia, bumazhnaia i kartonnaia i vspomogatel'nye materialy. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 439 p. (SSSR Gosudarstvennye standarty)

CONTINENTS

More on the general correlation features of the areas of continents F S Voronov. Izv. Vses. geog ob-va 96 no. 3 267 My-Je '64.

CONTINUOUS FUNCTIONS see Functions, Continuous

CONTRACTS

Recent legislation on legal transactions. S. V. Polenina. Sov. gos. i pravo 34 no. 7;138-143 Jl '64.

CONTRAST MEDIA

Effect of contrast media on the coronary blood flow rate. F. V. Sergeev. Farm. i toks. 26 no. 5;594-597 S-O '63.

Methodology and technique for the puncture of ductus deferens in genital radiography. N. F. Krivoshei. Urologiia no. 1;36-41 '64.

CONTRAST MEDIA—PHYSIOLOGICAL EFFECT

Effect of intra-arterial administration of diodone on transplantable rabbit sarcoma. V. I. Ivanov, K A. Pavlov. Vop. onk. 9 no. 6;67-70 '63.

CONVERGENCE

Nearly convergent functions. M V. Elin. Izv vys. ucheb. zav., mat. no. 6;49-57 '63.

Solving normal equations by means of successive approximations and considerations on the improvement of convergence. E A Kolotova. Sbor nauch trud KGRI no 10·163-194 '61

CONVERTERS

Algorithm to determine the moment for stopping the blowing of a Bessemer converter heat at a given temperature with the help of a controlling machine. Report no 2. K.S Gaiger, B V. Liaudis, A. I. Nikitin Izv. vys ucheb zav ; chern met. 7 no. 7;53-57 '64.

First rotary 100-ton converter in the U S. S R. I M Birinberg, A A. Perimov, N I Perlov Metallurg 9 no 7 15-19 Jl '64

Potentials for increasing the output of a converter plant N. A Tatetko. Met i gornorud prom no. 6;62-64 N-D '62

CONVERTERS—TESTING

Testing and starting an oxygen-blown converter with a 100-ton batch M. IA. Broman and others Stal' 23 no. 4·303-305 Ap '64.

CONVEYING MACHINERY

(see also subdivision under Leningrad)

Determining resistances to the stops of an overhead pusher conveyor. V K. D'iachkov. Mekh. i avtom. proizv. 18 no 1;32-33 Ja '64.

Freight in the air R Romanov Izobr i rats. no. 5 16 '64

Gravitational conveying of parts. V. K Torkhovskoi Mashinostroitel' no 7;46-47 Jl '64

"Locking" conveyor belts by splicing. P T. Nagaenko Koks i khim no 6;56-58 '64.

Overhead conveyor with a bushed-roller single-row chain V V Popovich Mashinostroitel' no 6 9 Je '64

Spivakovskii, A. O., and others, comps. [Method of calculating resonance, vibration conveyers and vibration grizzlies with buffers taking into account acting resistances; short scientific report] Metod rascheta rezonansnykh vibrokonveierov i vibrogrokhotov s buferami s uchetom deistvuiushchikh soprotivlenii; kratkii nauchnyi otchet Moskva, In-t gornogo dela, 1963. 38 p. [MICROFILM]

CONVEYING MACHINERY—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Automatic lines, transport units] Avtomaticheskie linii, uzly transporta. (MN 5135-63—MN 5141-63). Moskva, Izd-vo standartov, 1964. 24 p. (SSSR. Normali mashinostroeniia)

CONVULSIONS

Clinical and pathophysiological aspects of intentional convulsions of Rulf. E. F. Davidenkova. Zhur. nevr. i psikh. 63 no. 9;1306-1312 '63.

COOLING

Nonstationary temperature field of freezable sectors of systems with liquid metal coolants P I Bystrov Teplofiz vys temp 2 no 3 429-436 My-Je '64

COOLING TOWERS

Raising the longevity of reinforced concrete ventilation cooling towers. Biul stroi. tekh. 20 no 12 31-35 D '63

COOLING TOWERS—MAINTENANCE AND REPAIR

From the experience in repairing a cooling tower B. A Belevich. Koks i khim. no. 6;56-59 '64

COOPER, THOMAS, 1759-1840

Thomas Cooper's struggle against idealism and religion in the U. S A N. M Gol'dberg, M. G IAroshevskii Vop filos 18 no 7;130-139 '64.

COOPERATION

V. I. Lenin's cooperative plan in the works of Soviet historians. V. M. Selunskaia. Vop ist. KPSS 8 no 9; 107-116 S '64.

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE HOUSING see Housing, Cooperative

COOPERATIVE SOCIETIES

(see also subdivision under Egypt; Great Britain; Rostov Province)

All-Union conference of the cooperative societies' procurement workers of the U. S. S. R. Sov. potreb. koop. 8 no. 5;1-20 My '64.

Day of a salesclerk. M. Trishchenkov. Sov. potreb. koop. 8 no. 5;29-30 My '64.

Editor's mail. Sov. potreb. koop. 8 no. 5;40-41 My '64.

Hand in hand with the trade union. Sov. potreb. koop. 8 no. 5;21-22 My '64.

On the industrial track. V. Gerda. Sov. potreb. koop. 8 no. 5;31-33 My '64.

One of the first. V. Khokhlov. Sov. potreb. koop. 8 no. 5;45-47 My '64.

Under the control of the community. Sov. potreb. koop. 8 no. 5;39 My '64.

COOPERATIVE SOCIETIES—ACCOUNTING

Balance of a cooperative society. M. Shoikhet. Sov. potreb. koop. 8 no. 5;49-58 My '64.

COOPERATIVE SOCIETIES—FINANCE see subdivision under Grodno Province

COORDINATION COMPOUNDS

Kinetics of polycoordination. S. V. Vinogradova, M. G. Vinogradov, V. V. Korshak. Kin. i kat. 5 no. 2;247-252 Mr-Ap '64.

COPEPODA see subdivision under Azov, Sea of

COPPER

Combination of copper with rhodanine-3-benzoic acid and its constant instability. I I Kurnyts'kyi Farmatsev zhur 18 no 5·39-41 '63

Complexonometric determination of copper in minerals by the metal indicator hematoxylin A. I. Cherkesov, A S Aleksandrovich-Mel'nikova Trudy Astr tekh inst ryb prom. i khoz no. 8·97-103 '62

Dynamic effects of plastic deformation in copper and its alloys N. F Kunin, S. A. Kisliakov Dokl AN BSSR 8 no 2;124-126 F '64

Gases in copper ingots and their determination. V. L. Ziazev, M N. Furasheva. Izv. AN SSSR, Met i gor. delo no. 2 132-136 Mr-Ap '64

Trilonometric determination of copper and nickel with the help of fumaric acid-pyridine precipitator. A S. Aleksandrovich-Mel'nikova, T. S Zhigalkina Trudy Astr. tekh inst ryb. prom i khoz. no 8·80-96 '62

COPPER—ELECTROMETALLURGY

Copper removal from iron bearing chloride solutions S A Batyrbekova, A D Ablanov Trudy Inst met i obog AN Kazakh SSR 8 102-106 '63

Liquative electric smelting of Dzhezkazgan copper concentrates with the production of high calcium slag. A L TSeft and others Trudy Inst met i obog AN Kazakh SSR 8·40-19 '63

COPPER—METALLURGY

(see also subdivision under Kirovograd)

Interaction between copper and iron sulfides and fused iron-calcium silicates. D. M. Chizhikov, Z F Gulianitskaia, I. N. Eremenko. Izv. AN SSSR. Met. i gor. delo no. 2 41-44 Mr-Ap '64.

[Metallurgy of copper, nickel and cobalt; alternative course] Metallurgiia medi, nikelia i kobal'ta; alternativnyi kurs [By] V. I Smirnov i dr. Moskva, Izd-vo Metallurgiia

Pt. 1 [Metallurgy of copper] Metallurgiia medi. 1964. 462 p.

Processing of copper concentrates after removal of lead and zinc. A L TSeft and others Trudy Inst met i obog. AN Kazakh SSR 8 107-112 '63

COPPER—TESTING

Energy absorption by copper during small deformations. N F Kunin and others Fiz met i metalloved 17 no 5 789-792 My '64

COPPER ALLOYS—METALLOGRAPHY

Damping of elastic vibrations in Cu-Be and Cu-In alloys during phase transformations. I. G. Polotskii, N. S. Mordiuk. Sbor nauch. rab. Inst. metallofiz. AN URSR no. 18·163-169 '64.

Suzuki atmospheres in the series of copper solid solutions. E. F. Dudarev, V. E. Panin. Fiz. met. i metalloved. 17 no. 4;578-583 Ap '64.

COPPER ALLOYS—TESTING

Effect of additions on the recovery and recrystallization of copper deformed at a temperature of 78° K. V. T. Bublik, S. S. Gorelik. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;165-170 '64.

COPPER-ALUMINUM ALLOYS see Aluminum-copper alloys

COPPER-ALUMINUM-NICKEL ALLOYS—METALLOGRAPHY

Determination of a macroscopic shift during martensite transformations in Cu-Al-Ni alloys. V. A. Lobodiuk, L G. Khandros. Fiz met. i metalloved. 17 no. 6; 936-938 Je '64.

COPPER-ALUMINUM-NICKEL ALLOYS—TESTING

Effect of stresses on the deformation of alloys of copper with aluminum and nickel in the temperature range of the martensite transformation. I. A Arbuzova, L. G. Khandros Sbor nauch. rab Inst. metallofiz AN URSR no. 18;40-46 '64.

COPPER-ANTIMONY-BISMUTH ALLOYS see Bismuth-copper-antimony alloys

COPPER CATALYSTS

Kinetics of isobutylene oxidation to methylacrolein on a copper catalyst. L. P. Shapovalova, IA. B. Gorokhovatskii, M. IA. Rubanik. Kin. i kat. 5 no. 2 330-336 Mr-Ap '64.

Oxidation of toluene on copper catalysts with added molybdenum and tungsten oxides. I. I. Popova, B. V. Kabakova. Kin. i kat. 5 no. 2 324-329 Mr-Ap '64.

COPPER MINES AND MINING

Possibility of mining blocks by the underground leaching method. A. N. Velichkin. Trudy Inst. gor dela AN Kazakh. SSR 12:159-163 '63

COPPER-NICKEL ALLOYS see Nickel-copper alloys

COPPER OXIDES

Distribution of the thermal EMF over a copper oxide surface as related to its catalytic activity. V. A. Zhuravlev, L. G. Kolosova. Kin. i kat. 5 no. 2:293-298 Mr-Ap '64.

COPPER OXIDES—ELECTRIC PROPERTIES

Temperature dependence of electroconductivity and the Hall effect in copper oxide. P. A. Kotstumakha, IA. I. Kushnir, A. V. Perelygin Izv AN SSSR Ser. fiz 28 no. 8:1328-1330 Ag '64.

COPPER SALTS

Crystalline structure of diacetate diaminocopper. IU. A. Simonov, A. V Ablov, T I. Malinovskii Kristallografiia 8 no. 2 270-272 Mr-Ap '63.

COPPER SULFIDES

Some properties of chemical compounds in the system $Cu_2S - Na_2S$. N. I. Kopylov and others. Zhur. neorg. khim. 9 no. 6:1403-1405 Je '64.

COPPER-ZINC ALLOYS—METALLOGRAPHY

Nature of transformations in unformed α-brasses. V E. Panin, I D Kuznetsova Fiz. met i metalloved 17 no. 5 798-800 My '64

Use of CuK_β-radiation for the study of ordering in Cu-Zn alloys V. D. Melikhov, IU. F. Kliuchnikov, A. A Presniakov. Zav lab 30 no 6 719-721 '64

X-ray investigation of the effect of zinc concentration on the ordering of α-brass. IU F Kliuchnikov, A A Presniakov Trudy Inst met i obog AN Kazakh SSR 6.158-164 '63

COPPER-ZINC ALLOYS—TESTING

Plasticity of copper-zinc alloys. IU F, Kliuchnikov, A A Presniakov Trudy Inst met i obog AN Kazakh SSR 6:147-157 '63

CORALS, FOSSIL see subdivision under Azerbaijan

CORE DRILLING

Sectional core KTDS1-6-5/8 turbobit. V. M. Kvitko. Mash. i neft obor. no. 5:33-34 '63

CORE DRILLING—EQUIPMENT AND SUPPLIES

Core breakers of new construction. N. S. TSvetkov Razved. i okh. nedr 30 no. 2,52 F '64.

SM-2 mechanism controlling the operation of sampler valves. F. P. Stulov. Mash. i neft. obor. no. 4;12-13 '63.

CORES (ELECTRICITY)

Method for recording in carrying out logical operations using multicore magnetic elements. M A. Rozenblat, N. D Nanobashvili Elektrotekhnika 35 no 5 56-58 My '64

Rigidity of a laminated core of an electrical machine. V. M. Podrez. Sbor rab. po vop. elektromekh. no. 10. 241-256 '63.

CORN (MAIZE)

(see also subdivision under Astrakhan Province; Balkhash Lake region)

Effect of fungicides and insecticides on the development of corn mycorrhiza. E. P Khrushcheva. Agrobiologiia no. 1:49-53 Ja-F '64.

Effect of gibberellin on the growth and development of gramineous and leguminous plants. F. S Pervukhin, M. M Smirnagina Izv. Sib otd AN SSSR no 9.101-105 '62.

Effect of presowing treatment of cornseeds with succinic acid on the organic acid metabolism. A. A. Zemlianukhin, R V. Simonova. Nauch. dokl. vys. shkoly; biol. nauki no. 3;127-134 '64.

Effect of the products of microbial metabolites on the energy of seed germination. IU. M. Vozniakovskaia, U. S. Nurzhanov. Agrobiologiia no. 1;89-95 Ja-F '64.

Eight-row cultivators for corn. A. Alekseev. Ekon. sel'khoz. 35 no 6.81-84 Je '64.

Influence of ionized radiations on corn. V. N. Lysikov. Agrobiologiia no. 1;143-146 Ja-F '64.

Reducing manual labor in corn seed production. G. N. Gruzdeva, L. M Danilov. Inform. biul. VDNKH no. 8; 19-20 Ag '63.

CORN (MAIZE)—DISEASES AND PESTS

(see also subdivision under Kostroma Province; Ukraine)

Resistance to Swedish fly of corn samples differing in their cold tolerance. A. F. Koval'. Agrobiologiia no. 1; 147-149 Ja-F '64.

Using superphosphates with insecticide supplements in the protection of corn against wireworms. T P. Skazkina, A G. Treml', V. I Zharkov Khim. v sel'. khoz. 2 no. 4 29-31 Ap '64.

What organs of corn are attacked by common smut. N. I. Salunskaia. Bot. zhur. 49 no. 7 1032-1035 Jl '64.

CORN (MAIZE)—FERTILIZERS AND MANURES

(see also subdivision under Leningrad Province)

Effect of nitrogen mineral forms on the free amino acid content of amides in the bleeding sap of corn I. V Mosolov. Khim v sel' khoz 2 no 4 2-9 Ap '64

Effect of organic-mineral fertilizers on the yield of corn green bulk V I Sidorova Trudy Kostr sel'khoz inst "Kar" no. 3 11-15 '63

CORN (MAIZE)—VARIETIES see subdivision under Kostroma Province

CORNEA—DISEASES

Laboratory diagnosis of trachoma and adenovirus diseases of the conjunctiva and cornea N S Zaitseva, V O Andzhelov Lab delo no 7 396-398 '64

CORONA (ELECTRICITY)

Effect of a constant magnetic field on a stationary corona discharge. V. N. Kostin, V M. Tkachenko. Zhur. tekh. fiz. 34 no. 5:883-887 My '64.

Effect of a constant magnetic field on a stationary corona discharge. V. N. Kostin, V. M. Tkachenko. Zhur. tekh. fiz. 34 no. 7;1252-1256 Jl '64

CORONARY HEART DISEASE

Role of anticoagulants in the prevention of experimental coronary insufficiency. E. K. Bogomolova. Kardiologiia 2 no. 6:54-59 N-D '62.

CORONARY VESSELS

Effect of contrast media on the coronary blood flow rate P. V. Sergeev. Farm. i toks. 26 no. 5:594-597 S-O '63.

Restoration of coronary blood circulation during the acute period of experimental myocardial infarct H A Heine. Vestsi AN BSSR. Ser. biial nav no 4;74-79 '63

CORONARY VESSELS—INNERVATION

Characteristics of coronary chemoreflexes. B. I. Tkachenko. Fiziol. zhur. 49 no. 11;1360-1368 N '63.

CORONARY VESSELS—SURGERY

Reducing the coronary sinus in coronary insufficiency. E N Meshalkin, V. S. Sergievskii. Izv. Sib otd AN SSSR no. 12 143-145 '62

Surgical anatomy of the coronary sinus. E. V. Serova. Grud. khir. 5 no. 5;24-26 S-O '63.

CORRESPONDENCE SCHOOLS AND COURSES

Educational research in the field of evening and correspondence education. A. V. Darinskii. Vech. sred. shkola 7 no. 2;29-33 Mr-Ap '64.

For the consideration of evening and correspondence schools. Vech. sred. shkola 7 no. 2:51 Mr-Ap '64.

We keep up contact with our graduates. V. E. Glushkov. Sred. spets. obr. 11 no. 6;32-34 Je '64.

CORROSION AND ANTICORROSIVES

Anodic reprotection of titanium in hydrochloric acid. M. N. Fokin, R L. Baru. Dokl. AN SSSR 157 no. 4;954-956 Ag '64.

Balsam against the "reddish plague." L. Miroshnichenko Izobr i rats. no 5 8-9, 2 of cover '64.

Film corrosion inhibitor for petroleum production equipment. V. A. Sheremet'ev, V P. Barannik Azerb. neft. khoz. 43 no. 3;29-31 Mr '64.

Predicting ground corrosion and the lifetime of gas pipelines. E A Nikitenko Gaz. prom 9 no 7 44-49 '64

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for planning anticorrosive protection of structural elements of industrial buildings producing aggressive media] Ukazaniia po proektirovaniiu antikorrozionnoi zashchity stroitel'nykh konstruktsii promyshlennykh zdanii v proizvodstvakh s agressivnymi sredami (SN 262-63). Moskva, Stroiizdat, 1964.

Use of the method of mirror images in the cathode protection of pipelines from corrosion. T. V Kolesnyk Dop. AN URSR no 8;995-1000 '64.

CORROSION-RESISTANCE MATERIALS

Corrosion resistance of solid solutions of metals of the system Mo - W. N. N. Gratsianskii, N. A. Bogacheva. Zhur. fiz. khim. 36 no. 3:546-548 Mr '62.

CORTICOSTEROIDS see Adrenocortical hormones

CORTISOL

Antidotal effect of propyl gallic acid, heparin and hydrocortisone on the venom of Vipera lebetina. E. N. Pavlovskii and others. Dokl. AN SSSR 156 no. 6;1476-1478 Je '64.

Use of mineral corticoids in the prevention of the toxic effects of phenamine and adrenaline in adrenalectomized rats. I. V. Markova. Farm. i toks. 26 no. 2;201-205 Mr-Ap '63.

CORTISONE

Ability of k-strophanthin and calcium to restore the activity in the frog's heart arrested by cortisone. A G. Saakian, M. I. Kazanchev, V P. Kessel'. Farm i toks. 26 no. 2 206-210 Mr-Ap '63.

The effect of ACTH and cortisone on the tone of cerebral vessels. A. I. Naumenko, V. I. Klevtsov. Farm. i toks 25 no 6;716-720 N-D '62.

Effect of adrenaline and cortisone-acetate on the mitotic activity of the epithelium of reproductive organs and mammary glands S S. Laguchev. Dokl AN SSSR 157 no. 4:1001-1002 Ag '64.

CORUNDUM

Interrelation between electric and mechanical strength of corundum ceramics I S Kainarskii, E V Degtiareva, I G Orlova Dokl AN SSSR 157 no 1 168-170 Jl '64

CORUNDUM CRYSTALS—GROWTH

Growing corundum crystals from the solution in a melt of lead fluoride. V A Timofeeva, R. A. Voskanian Kristallografiia 8 no. 2 293-296 Mr-Ap '63

COSMETICS

Akhabadze, A. F., A. S. Gusarova, and L. A. Krikun. [Medicine as the guardian of beauty] Meditsina na strazhe krasoty. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 13)

COSMIC DUST

Light scattering in dust nebulae. I. N. Minin. Astron. zhur. 41 no. 4;662-668 Jl-Ag '64.

COSMIC RAYS

Conference on cosmic rays in Jaipur N. A Dobrotin Vest AN SSSR 34 no 7 88-92 Jl '64

COSMOGONY

Theory of the rotation of a gravitating gas magnetic medium L. M. Ozernoi. Soob. GAISH no. 133:28-36 '64

COSMOLOGY

R and T regions in space and time with a spherically symmetrical space. I. D Novikov. Soob. GAISH no. 132: 3-42 '64

COST AND STANDARD OF LIVING

Building communism and the culture of everyday life Sh Rashidov Kommunist 41 no 10 49-63 Jl '64.

Important step toward further improvement of the material welfare of the people. Vest stat no. 9:3-7 '61

Kruk, D. M., and D. G. Chertkov. [What the living standards of U. S. S. R. workers depend upon] Ot chego zavisit uroven' zhizni trudiashchikhsia v SSSR. Moskva, Politizdat, 1964. 78 p

Man, state, and society. Nov vrem 21 no. 30 1-3 Jl '64

New important measures of the Soviet Government Nov. vrem 21 no 29 1-2 Jl '64

People's labor contributes to people's welfare Plan. khoz 41 no 8,1-5 Ag '64

Problems of labor and of the distribution of material goods during the period of the transition to communism. I. V. Pusenkova. Trudy kaf. obshchestv. nauk OEIS no. 3:86-104 '62.

COSTS, INDUSTRIAL

(see also subdivision under Unite

Encourage cost reduction for t

F. Dronov. Fin. SSSR 38 no

Potentials for reducing tire and

A. Trusov Plan khoz 41 n

COSTUME I

Lakov, N. /

national d

k tanteam

126 p.

COTTAGE CHEESE

Reducing the losses in the production of creamed and skim milk cottage cheese and improving its quality N A. Mazokhina, E A. Krasnozhen. Sbor. ref. nauch rab VNIMP no 1 108-113 '55

COTTON

Zinc and its forms in the virgin and long-irrigated soils of the Golodnaya Steppe and in cotton plants. E. K. Kruglova. Pochvovedenie no. 7;75-79 Jl '64.

COTTON—DISEASES AND PESTS

Fertilizers combined with systemic poisons in the control of cotton sucking pests. V. I. Derlabin. Khim. v sel'. khoz. 2 no. 4;24-25 Ap '64.

COTTON—IRRIGATION

(see also subdivision under Tajikistan)

Effect of the irrigation technique on the growth, development and yield of cotton. Kh. A. Baraev. Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. za 1963 g.:7-16

COTTON—VARIETIES
(see also subdivision under Turkmenistan)

[illegible] processes [illegible] different [illegible] of the plant in [illegible] the ripening time. [illegible] 16-137-[illegible]

COTTON BREEDING see subdivision under Turkmenistan

COTTON GROWING see subdivision under Uzbekistan

COTTON GROWING—ECONOMIC ASPECTS see subdivision under Turkmenistan

COTTON MANUFACTURE—ACCOUNTING see subdivision under Alma-Ata

COTTON MANUFACTURE—LABOR PRODUCTIVITY

[illegible] labor expenditure in the working sections of [illegible] M. M. Kattakhodzhaev. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 6 11-17 '63

COTTON-PICKING MACHINERY—SAFETY MEASURES see subdivision under Tashkent

COTTON TRADE—ACCOUNTING

[illegible] on the state deliveries of raw cotton and checking [illegible] A. Kurilov, G. Makhov. Vest. stat. [illegible] 43-47 '64

COTTON WILT

The new 9078-I fine-fiber Soviet cotton variety, resistant to fusarium wilt. K. I. TSinda. Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. za 1963 g. 17-21

COTTON WILT—CONGRESSES

All-Union Symposium on Cotton Wilt. K. I. Kozhaeva. Agrobiologiia no. 1 126-128 Ja-F '64

COTTONSEED

Germinating capacity of graded cottonseed. IA. Durdyev. Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. za 1963 g.:29-31

COTTONSEED OIL

Experience in the packaging of cottonseed oil in bottles. A. U. Makhmudov, I. M. Ismailov. Masl.-zhir. prom. 30 no. 7 39 Jl '64.

Hydrogenation of cottonseed oil on skeleton nickel catalysts with the addition of cobalt and molybden. D. V. Sokol'skii, N. S. Samaunova. Masl.-zhir. prom. 30 no. 7 13-15 Jl '64

COTTONSEED PRODUCTS AS FEED

Quality of cottonseed oil cakes. A. I. Markman, S. N. Barnasheva, R. I. Shamsutdinov. Masl.-zhir. prom. 30 no. 7,8-10 Jl '64.

COUMARIN

Comparative clinical study of syncoumar (syntrom), a new anticoagulant. N. K. Valeiko. Kardiologiia 2 no. 6.66-69 N-D '62.

Condensation of the al-forms of sugars with 4-hydroxycoumarin. IU A. Zhdanov, G. V Bogdanova, V. G. Zolotukhina. Dokl AN SSSR 157 no. 4,917-918 Ag '64

Pyran series, its analogs, and related compounds. Part 9: Reaction of coumarin with amines. V. A. Zagorevskii, V. L. Savel'ev. Zhur ob. khim 34 no 7:2290-2293 Jl '64

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

COUNTING DEVICES

Counting characteristics of multichannel analyzers with several transducers. I. S. Krasheninnikov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6 49-52 '63.

Methods of control of the metric characteristics of multichannel analyzers. I. S. Krasheninnikov, S. S. Kurochkin. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6:93-104 '63.

COUPLINGS

Calculation of a ball and spline joint. Z. M. Levina. Stan. i instr. 35 no 6:1-6 Je '64.

Graphic analysis calculation of the couplings of free running. B. Z. Metelitsa. Trudy Kostr. sel'khoz. inst "Kar." no 3 255-266 '63

COUPLINGS—MEASUREMENT

Measurement of gaps in precision couplings. N. D. Lebedianskaia, K. G. Filatov. Izm tekh no. 3:17-19 Mr '64

COUPLINGS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Coupling elements for pneumatic measuring systems; their design and dimensions] Elementy soedineniia pnevmaticheskikh izmeritel'nykh sistem, konstruktsiia i razmery (MH 4670-63—MN 4675-63). Moskva, Izd-vo standartov, 1963. 7 p. (SSSR. Normali mashinostroeniia)

COURTS
(see also subdivision under United States)

Business of the benches of the Supreme Court of the U.S.S.R. V. Paniugin, G. Anashkin, D. Terekhov. Sots. zakon 41 no. 4:16-24 Ap '64

Edict of the Presidium of the Supreme Soviet of the R.S.F.S.R. Sov iust 28 no 7:4-5 Ap '64

Educational meaning of the disposition of a court case under the rules for Soviet court proceedings. S. Alakhverdiev. Vest LGU 19 no 11,126-130 '64.

For further development of the democratic foundations of the Soviet judiciary. A. Gorkin. Sots. zakon. 41 no 4:3-15 Ap '64.

From the history of the creation of the Supreme Court of the U.S.S.R. V Antonov-Saratovskii, V. Lebedinskii. Sots zakon 41 no. 4:28-30 Ap '64

More about court requests. P. Vereshchagin. Sov. iust. 28 no 7 24 Ap '64

The new program of the CPSU and certain problems of developing Soviet democracy in the autonomous republics. A M. Khalilov. Uch zap. Dal'nevost. gos. un no 6:39-59 '62.

News from prosecutors offices and supreme courts of the Union Republics. Sots. zakon. 41 no. 4:79-80 Ap '64

COWS see subdivision under Kostroma District

COWS—FEEDING AND FEEDS

Carbamide instead of forage protein. V. P. Flerinskii. Khim. v sel'. khoz. 2 no. 4:51-52 Ap '64.

Protein requirements of high-yielding cows. I. S Popov and others. Izv. TSKHA no. 6 191-202 '63.

CRABS see subdivision under Barents Sea

CRACKING PROCESS

Automatic control of the circulation of a bead catalyst. M. V. Kozlov and others. Khim. i. tekh. topl masel 9 no. 14.45-48 Ap '64.

Calculating the material balance of light thermal cracking. I G Akhmetov, M Kh. Levinter, B F Morozov. Nefteper i neftekhim. no. 5 12-17 '63.

Catalysis by metal vapors. Part 3 [with summary in English]. M. N. Danchevskaia, N. I. Kobozev, IU. A. Pankrushev. Zhur. fiz. khim. 38 no. 2 442-448 F '64.

Dehydrocracking of paraffins over sulfide catalysts. V. T. Skliar, E. V. Lebedev, V. A Zakupra. Neftekhimiia 4 no. 2 200-208 Mr-Ap '64.

High-temperature reformed ligroine as a raw material for big chemistry. R. G. Ismailov and others. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7,49-55 '63.

Highly effective method for obtaining acetylene by electrocracking petroleum emulsions. L. V. Semenov, V. P. Davydov, O. M. Chukanova. Nefteper. i neftekhim. no. 2:29-32 '64.

Kinetics and mechanism of the thermal decomposition of ethane (high temperature region). IU. I. Kudriavtseva, V. I. Vedeneev, O. M. Niazian. Dokl. AN Arm. SSR 39 no. 1:29-33 '64.

Monoethanol amine removal of carbon dioxide from an inert gas on a catalytic reforming device. V. P. Cherevatko, R. S. Sharipov. Nefteper. i neftekhim. no. 5:33-35 '64.

Obtaining acetylene by the electric cracking of liquid hydrocarbon stock. I. S. Pechuro, E. IA. Grodzinskii, O. IU. Pesin. Gaz prom 8 no. 2 47-49 '63.

Redesigning thermal-cracking units for deep stabilization of gasolines. IU. S Sabadash, A. P Abdrazakova. Nefteper i neftekhim. no 8 3-4 '63

Remodeling a catalytic cracking furnace. V. M. Kurganov, A. G. Gonsales. Nefteper. i neftekhim. no. 5:36-39 '64.

Results of redesigning an industrial catalytic-cracking device. A A Gonsales and others. Nefteper. i neftekhim. no 9 6-10 '63.

Still with spiral nonreturbent coil for heating, reforming, and pyrolysis of petroleum products. A F. Makhov, A. D. Sudovikov, M. Z Maksimenko. Mash i neft. obor. no 5:31-33 '63

Temperature-control system for a catalytic-cracking reactor with a finely divided catalyst. A A. Abdullaev and others. Nefteper. i neftekhim no. 8:19-22 '63

Use of additives in the thermal cracking of heavy petroleum residues. IU. S. Sabadash. Nefteper. i neftekhim. no. 9 17-19 '63.

CRACKING PROCESS—EQUIPMENT AND SUPPLIES

Operation of catalytic-cracking equipment under conditions of abrasive wear. A. T. Luchshev, V. V. Meshcheriakova. Mash i neft. obor. no 6:23-27 '63

CRANES (BIRDS)

Change in the nesting area of gray crane, white crane and demoiselle crane in the Soviet Union. A. M. Sudilovskaia. Biul. MOIP. Otd. biol. 68 no. 3:125-127 My-Je '63.

CRANES, DERRICKS, ETC.
(see also subdivision under Great Britain)

Aleksei Dergalev's innovation suggestion. L. S. Filippov. Mashinostroitel' no. 6:3-4 Je '64

Determining the efficiency of the program control of gantry grab cranes in sea ports. A I. Sakovich, F D. Romanovskii. Ekon. i ekspl. mor transp. no. 1,43-46 '63.

Graphic method of determining the economic effectiveness of relocating tower cranes. V. I. Popazov. Mekh. stroi. 20 no. 7.20-21 Jl '63.

The KB-100.1 tower crane. D. IU. Kaplun, B. P. Novikov. Mekh. stroi. 20 no. 7:22-23 Jl '63.

Kogan, I. IA. [Pillar cranes for use in building] Stroitel'nye bashennye krany. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 378 p.

New stacker crane. I L Kozhin, V. K. Tridub. Mekh. i avtom. proizv. 18 no. 1:31-32 Ja '64

Organization of the Central Design Bureau for the manufacture of excavators and cranes appears as a necessary and urgent task. A. S. Rebrov. Mekh. stroi. 20 no. 7:18-20 Jl '63.

Photoelectric device for stopping the convergence of bridge cranes. V. A. Kosovtsov, S. A. Gnedov. T[illegible] 30 no. 1:19 Ja-F '64.

Selection of a boom for an erecting crane. V. V Minenkov. Trudy NPI 144:65-67 '63.

Self-balancing transverse beam. E. G Shkoda. Mashinostroitel' no 6.11 Je '64.

CRANES, DERRICKS, ETC.—HANDBOOKS, MANUALS, ETC.

Al'perovich, A. I. [Procedural handbook on the industrial training of tower crane operators] Metodicheskoe posobie po proizvodstvennomu obucheniiu mashinistov bashennykh kranov. Izd. 2., ispr. i dop. Moskva, Vysshaia shkola, 1964. 235 p.

Maizlin, B. S. [Operator of a bridge loader crane] Mashinist mostovogo peregruzhatelia. Moskva, Izd-vo Metallurgiia, 1964. 107 p.

CRANIOTOMY

Abortion and excerebration with a vacuum extractor of Soviet construction. V. S. Lesiuk. Akush. i gin. 40 no. 1:135 Ja-F '64.

CRANKS AND CRANKSHAFTS

Increasing the fatigue strength of cast iron crankshafts. L. M. Shkol'nik, D. D. Shchetinin. Vest. TSNII MPS 23 no. 4:35-38 '64.

Investigating the fatigue resistance of cast-iron crankshafts of a diesel locomotive engine. I. V. Kudriavtsev, E. I. Zhuk. Vest. mashinostr. 44 no. 6 40-50 Je '64

CREAMERIES—COSTS

Analysis of the production costs of creamery butter and ways for their reduction. S. I. Semenov, S. V. Mochalov. Sbor. ref. nauch. rab. VNIMP no 1:53-58 '55

CREAMERIES—EQUIPMENT AND SUPPLIES

Manufacture of butter on butter-making apparatus with continuous action (from the experience of progressive foremen). A. I. Zheltakov. Sbor. ref. nauch. rab. VNIMP no 1 29-30 '55

New equipment for the manufacture of butter with the continuous production line method. N. IA. Luk'ianov, V. A. Meleshin, I. B. Korenblat. Sbor. ref. nauch. rab. VNIMP no 1 4-5 '55.

CREATINEPHOSPHORIC ACID

Content of adenosine triphosphoric acid and creatine phosphate in the brain and muscles of animals adapted and unadapted to cold. L. A. Gusova. Vop. med. khim. 9 no. 2:180-184 Mr-Ap '63.

Effect of papaverine, euphyllin and adrenaline on oxidative phosphorylation and the creatine phosphate content of the myocardium. I. E. Kisin. Farm. i toks. 26 no. 2:197-201 Mr-Ap '63.

CREATION (LITERACY, ARTISTIC, ETC.)

Inexhaustible legacy. A. V. Makedonov. Vop. filos. 18 no. 7.172-175 '64.

Leningrad. Universitet. [Problems of the creative process of a literary work] Voprosy tvorcheskoi istorii literaturnogo proizvedeniia. [Leningrad] Izd-vo Leningr. univ., 1964. 236 p.

Relation between professional and amateur artistic creativity. I. P. Shitov. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:163-166 '64.

CREATIVE ACTIVITIES AND SEAT WORK

For handwork classes. V. P. Kuznetsov. Nach. shkola 32 no. 7:94-96 Jl '64.

CREDIT

Mitel'man, E. L. [Financing and credit in industry] Finansirovanie i kreditovanie promyshlennosti. Moskva, Izd-vo "Finansy," 1964. 359 p.

CREEP OF CONCRETE

Effect of anisotropy on the creep of concrete in compression and tension depending on the stress value. K. S. Karapetian. Dokl. AN Arm. SSR 39 no. 1:13-20 '64.

CREEP OF MATERIALS

Contact problem in the theory of unsteady creep taking friction forces into account. M. M. Manukian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 6:75-100 '63.

Creep of a cylindrical shell of arbitrary cross section loaded with normal internal pressure. R. M. Kirakosian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 6:63-73 '63.

CREEP OF MATERIALS (Continued)

Creep of anisotropic solids. L.M.Kachanov. Izv.AN SSSR.Mekh.i mashinostr. no.4:63-67 Jl-Ag '64.

Testing nonmetallic materials for stress-rupture strength and creep under uniaxial compression. V.T. Glus'ko, S.P. Prokopenko. Zav lab 30 no 6 744-746 '64.

Torsion of a prismatic sectional rod with a thin reinforcing coating under nonlinear creep. M M, Manukian. Dokl. AN Arm. SSR 37 no. 4:177-184 '63

CREEP OF METALS

Creep of an aluminum alloy at varying loads. V.S. Namestnikov. PMTF no.2:99-105 Mr-Ap '64.

Investigating creep in the β-modification of alloys in the system titanium - zirconium by the torsion method. K. A. Osipov, A. L. Sotnichenko. Izv. AN SSSR. Met. i gor. delo no. 2:161-103 Mr-Ap '64.

Solution of the problem of stability of a compressed shell in creep under the hardening hypothesis. A.P. Kuznetsov. PMTF no.2:90-98 Mr-Ap '64

Theory of the creep of metals taking the hardening into consideration. I.I.Bugakov. Izv.AN SSSR. Mekh. i mashinostr. no.4:87-89 Jl-Ag '64.

CREEP OF NICKEL

Polygonization in nickel during creep. G IA. Kozyrskii, P. N. Okrainets. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18.74-82 '61.

CRIME AND CRIMINALS

(see also subdivision under Moscow)

Grafters and loafers. V. Leont'ev. Sots. obesp. 24 no 12:27-28 D '63.

CRIME AND CRIMINALS—IDENTIFICATION

Producing evidence for identification of persons and things in trial examination. S. Koksharov, B Bakharev Sov. iust. 28 no 7:15-17 Ap '64

CRIME PREVENTION

(see also subdivision under Lida District; Vitebsk Province)

A meeting at the Central Committee of the CPSU. Sots. zakon. 41 no. 4:2-3 Ap '64.

Nekipelov, P. T., V. A. Stremovskii, and V. P. Nazhimov. [The public in crime fighting] Obshchestvennost' v bor'be s prestupnost'iu. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 134 p.

[MICROFILM]

CRIMEA—AUTOMOBILES—ROAD GUIDES

Shvets, V. N. [Along the roads of the Crimea; an automobile tourist's guide] Dorogami Kryma; sputnik avtoturista. Simferopol', Izd-vo "Krym," 1964. 133 p. (Sputnik avtoturista)

CRIMEA—NAMES, GEOGRAPHICAL

Named for heroes. N. Kuz'min. Sov. voin 46 no. 9:21 My '64.

CRIMEA—ORGANIC MATTER

Pyrometamorphism of disseminated organic matter in the Lower Jurassic sedimentary rocks of the Crimea. F. G. Martynov, A. V. Petukhov. Biul. MOIP. Otd. geol. 39 no. 6:114-119 N-D '63.

CRIMEA—PHYLLOSTICTA

New species of Crimean fungi from the genus Phyllosticta. S. A. Gutsevich. Izv. AN Arm. SSR. Biol. nauki 15 no. 12:61-74 D '62.

CRIMEA—POPLAR—DISEASES AND PESTS

Poplar pests in the eastern part of the Ukraine and Crimea. G. A. Timchenko, A. G. Treml'. Ent. oboz. 42 no. 4:703-810 '63.

CRIMEA—ROCKS, CARBONATE

Using an insulated sonde in studying the carbonate rocks of the Upper Cretaceous of the Crimea. B. IU. Bendel'shtein, B. I. Izvekov. Neftegaz. geol. i geofiz. no. 6:48-56 '64.

CRIMEA—SAIGA, FOSSIL

Possible reasons for changes in the numbers of Paleolith saigas in the Crimea. Prirod. obst. i fauny prosh. no. 1:147-161 '63.

CRIMEA—WORLD WAR, 1939-1945

Named for heroes. N. Kuz'min. Sov. voin 46 no. 9:21 My '64.

CRIMINAL EVIDENCE see Evidence, Criminal

CRIMINAL INVESTIGATION

Does this become "Znanie." Rud. Bershadskii. Nov. mir 40 no. 4:260-270 Ap '64.

Insuring compliance with the law when investigative acts are separately performed. N. Borovkov, B. Bakharev. Sots. zakon. 41 no. 4:50-52 Ap '64.

Use of science and technology specialist in criminal investigation. A. Kezhoian. Sots. zakon. 41 no. 4:63-65 Ap '64.

CRIMINAL JUSTICE, ADMINISTRATION OF

Educational meaning of the disposition of a court case under the rules for Soviet court proceedings. S. Alakhverdiev. Vest LGU 19 no. 11:126-130 '64

CRIMINAL LAW

(see also subdivision under Europe, Eastern)

Foundations of criminal liability and criminal punishment for acts committed in a state of intoxication. V. G Smirnov Vest. LGU 19 no 11:130-135 '64.

Qualifying criteria of acts disrupting the performance of correctional labor institutions. V.A. Vladimirov, A.P. Romanov. Sov. gos. i pravo 34 no. 7:143-148 Jl '64

CRIMINAL LAW—CASES

Russia (1917- R. S. F. S. R.) Verkhovnyi sud. [Collection of decisions of the Plenum, the Presidium, and of rulings of the Judicial Collegium on Criminal Matters of the Supreme Court of the R. S. F. S. R., 1961-1963] Sbornik postanovlenii Plenuma, Prezidiuma i opredelenii Sudebnoi kollegii po ugolovym delam Verkhovnogo Suda RSFSR, 1961-1963 gg. Otv. red. L. N. Smirnov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 413 p.

CRIMINAL LIABILITY

Ways of narrowing the range of criminal liability. N. F. Kuznetsova. Sov. gos. i pravo 34 no. 7 55-64 Jl '64.

CRIMINAL PROCEDURE

The bench of cassation is in session. F. Kamenskii. Sots. zakon 41 no 4:31-34 Ap '64.

The concept of the injured in Soviet criminal procedure S.I. Kat'kalo. Vest. LGU 19 no 11:113-122 '64.

Kokorev, L. D. [Status of the criminally injured under Soviet criminal procedure] Poterpevshii ot prestupleniia v sovetskom ugolovnom protsesse. Voronezh, Izd-vo Voronezhskogo univ., 1964. 138 p.

CRIMINAL PROCEDURE—CASES

Russia (1917- R. S. F. S. R.) Verkhovnyi sud. [Collection of decisions of the Plenum, the Presidium, and of rulings of the Judicial Collegium on Criminal Matters of the Supreme Court of the R. S. F. S. R., 1961-1963] Sbornik postanovlenii Plenuma, Prezidiuma i opredelenii Sudebnoi kollegii po ugolovym delam Verkhovnogo Suda RSFSR, 1961-1963 gg. Otv. red. L. N. Smirnov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 413 p.

CRIMINAL PROCEDURE—HANDBOOKS, MANUALS, ETC.

A useful textbook on criminal procedure. F. Fatkullin, F. Polozkov, S. Sheifer. Sots. zakon 41 no. 4:89-93 Ap '64.

CRIMINAL REGISTERS

Evteev, M. P. [Expiration and remission of conviction] Pogashenie i sniatie sudimosti. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 62 p.

CRIMINAL STATISTICS

Criminality in the capitalist world after the Second World War. S.S. Ostroumov. Sov. gos. i pravo 34 no. 7: 163-166 Jl '64.

CRITICAL POINT

Critical points of pure iron during rapid electric heating. V. N. Gridnev, IU. IA. Meshkov, S. P. Oshkaderov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18.96-99 '64.

Critical points of titanium-iron alloys during rapid heating. V. N. Gridnev, IU. IA. Meshkov, N. F. Chernenko. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18: 100-106 '64.

Existence of a critical point on the isomorphic transformation curve for cerium. E G. Poniatovskii. Kristallografiia 8 no. 2:287-290 Mr-Ap '63.

Flow of a radiating gas near the critical point of a blunt-nosed body. G.A. Kolton. Vest. LGU 19 no. 13: 103-109 '64.

Statistical theory of the critical point. E. A. Zhil'kov. Izv. vys. ucheb. zav., fiz. no. 4:54-60 '64.

Theory of diffusion near the critical point. I. Z. Fisher. Ukr. fiz. zhur. 9 no. 4:379-383 Ap '64.

CROP YIELDS

For high production standards. B. A. Korolev. Zemledelie 26 no. 6:8-11 Je '64.

CROTONIC ACID

Synthesis of some esters of crotonic acids. A. V. Bogatskii. Nauch. ezhegod. Khim. fak. Od. un. no. 2: 97-99 '61.

CRUSHED STONE see Stone, Crushed

CRYOSCOPY

Calculation of the equilibrium constants from cryoscopic titration curves [with summary in English]. T. N. Sumarokova. Zhur. fiz. khim. 38 no. 2:316-320 F '64.

Cryoscopic determination of the purity of xylenes. V. D. Mamedova, Sh. T. Akhmedov, D. A. Aliev. Azerb. neft. khoz. 43 no. 3:42-43 Mr '64.

Cryoscopic investigation of complex formation in the systems $CdCl_2$ - KCl - H_2O, $CdCl_2$ - KBr - H_2O and $CdBr_2$ - KBr - H_2O F. M. Belousova, N K Pavlenko, A I Pozigun Nauch ezhegod Khim fak Od un no 2 15-22 '61

Cryoscopic study of complex formation in the system $CdBr_2$ - KI - H_2O E M Belousova, S A Gruzdeva Nauch ezhegod. Khim fak Od un no. 2 59-62 '61

CRYOSTAT

Cryostat. IU. G. Tiniakov. Arkh. pat. 26 no. 2 86-87 '64.

CRYSTAL LATTICES

Accelerating the ordering of atoms and increasing the strength of metals during cyclic heat treatment (TsTO) in vacuum. S. T. Shavlo. Fiz. met. i metalloved 17 no 4 633-635 Ap '64

Anomalous magnetic properties of ferrites with a ferroxdure-type hexagonal structure T. A Elkina, L I. Koroleva. Fiz. met. i metalloved 17 no 4 604-606 Ap '64.

Crystal structure of elements and certain regularities in the changes of their atomic radii and mutual solubility. V. K. Grigorovich. Trudy Inst. met. no. 14 227-250 '63.

Deformation and structural changes in nickel during an even application of load G. IA. Kozyrskii, P. N. Okrainets. Sbor. nauch rab Inst metallofiz AN URSR no. 18 83-89 '64

Determining the compressibility of metals and alloys. K. P. Rodionov. Fiz. met i metalloved 17 no 6 813-818 Je '64

Determining the possible arrangement of atoms in octahedral vacancies of n-layer very tight packings at n ≥ 3 N L Smirnova Kristallografiia 8 no 2 181-185 Mr-Ap '63

Distribution of the elastic constants in single-phase quasi-isotropic polycrystals N. A. Linskikh Mat zap. Ural. mat. ob-va UrGU 4 no. 2:69-79 '63

Effect of additions on the recovery and recrystallization of copper deformed at a temperature of 78° K. V.T. Bublik, S.S Gorelik. Izv vys. ucheb. zav., chern. met. 7 no. 7:165-170 '64

Investigating the kinetics of low-temperature transformations in permalloys. M A Bol'shanina, A D Korotaev Fiz. met i metalloved. 17 no 4:512-518 Ap '64

Nature of cellular structure in nickel-base heat-resistant alloys. I. A. Arbuzova. Sbor. nauch. rab Inst. metallofiz. AN URSR no. 18:54-59 '64.

Obtaining single crystals of pure aluminum by the method of "deformation - annealing" and their substructure G V Indenbaum, V I Tiraspol'skii, IU M Fishman Fiz met i metalloved 17 no 5 719-725 My '64

Saturation magnetization and the Curie points in ordered alloys of the system cobalt-platinum IU A Gratsianov, A. G. Rabin'kin Fiz met. i metalloved. 17 no. 6.938-910 Je '64

Size effect in the Fe-W alloy. V. I. Iveronova, A. A Katsnel'son. Fiz. met. i metalloved 17 no. 6 809-812 Je '64.

Studying the relief in $\gamma \rightarrow \epsilon$ transformations in single crystals of Fe-Mn-C steel. L. I Lysak, B I. Nikolin. Fiz. met. i metalloved 17 no 5.703-707 My '64

Suzuki atmospheres in the series of copper solid solutions. E. F. Dudarev, V. E. Panin. Fiz. met. i metalloved. 17 no. 4:578-583 Ap '64.

Theory of the hardening of ordered solid solutions. L. E. Popov, E. V Kozlov Fiz. met i metalloved 17 no 5 755-759 My '64

Theory of the ordering of alloys with a hexagonal close-packed lattice. V. V Gelchenko, V. I Ryzhkov. Sbor nauch. rab. Inst. metallofiz. AN URSR no. 18 155-162 '64.

Use of Ewald's method in calculating the Coulomb sums of a body-centered orthorhombic lattice. V. F. Konusov. Izv. vys. ucheb. zav.; fiz. no. 4:113-118 '64

Vacancy mechanisms of a temperature aftereffect. V. A. Likhachev, V I Vladimirov Fiz met. i metalloved. 17 no. 5 655-663 My '64

X-ray investigation of the effect of zinc concentration on the ordering of α-brass IU F. Kliuchnikov, A A Presniakov Trudy Inst met. i obog. AN Kazakh. SSR 8 158-164 '63.

CRYSTAL LATTICES—DEFECTS

Changes in the defects of the crystal structure of martensite at the first stage of decomposition. L. I. Lysak, A. G. Drachinskaia. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18.143-151 '64.

Effect of defects in the crystal structure of hardened steel martensite on the mechanism and the kinetics of martensite decomposition. L. I. Lysak, A. G. Drachinskaia. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:136-142 '64.

CRYSTAL OPTICS

Optical method of light figures; a survey. V. N. Vertoprakhov. Izv. Sib otd. AN SSSR no. 9 25-38 '62

Testing the validity of some classical formulae in crystal optics in the exciton absorption region. S. M. Kochubei, H. L. Stavraki. Ukr. fiz. zhur. 8 no. 9:999-1007 S '63.

CRYSTALLINE LENS
[illegible] to radiation [illegible] V.I.Golichenkov, [illegible] 82-87 '64

CRYSTALLIZATION
Application of crystallization methods in physicochemical [illegible] V. M. Vigdorovich, A. E. Vol'pian. Zhur fiz khim. [illegible] no 3 422-426 Mr '62.

[illegible] structure of cobaltates. [illegible] Zhur.neorg.khim. [illegible]

[illegible] glasses at high temperatures [illegible] Zhur.fiz.khim. [illegible]

Determination of the specific surface energy at the crystal-melt interface for salol and betol. L.I.Chesnokov. Zhur.fiz.khim. 36 no.3 599-601 Mr '62.

Effect of artificial crystallization nuclei on the kinetics of crystallization and the mechanical properties of isotactic polystyrene. V A Kargin, T I Sogolova, N.IA.Rapoport-Molodtsova. Dokl AN SSSR 156 no 6: [illegible] Je '64

Effect of surface-active substances on the probability of formation of a two dimensional nucleus during electrocrystallization. S.I.Krichmar. Zhur.fiz.khim. 36 no 3 [illegible]-604 Mr '62.

Evaluating the efficiency of zonal recrystallization processes. V. M Vigdorovich, IU P Adler, A. E Vol'pian. Izv. AN SSSR Met i gor delo no 2 63-68 Mr-Ap '64

Formation of crystallization centers on the surface of aqueous solutions of electrolytes following a spark discharge. M I Kozlovskii. Rost krist 4 27-31 '64

Investigating the recrystallization of magnesium-cerium alloys. E.S Kadaner, A.A.Oreshkina. Trudy Inst. met. no 14 130-138 '63.

Role of [illegible] during the crystallization of [illegible] in a field of elastic vibrations. O V Abramov, I I Teumin. Fiz met i metalloved 17 no 5 786-789 [illegible]

Specific gravity and water vapor pressure of lithium tetra[illegible] crystal hydrates. A I Pozigun. [illegible] Khim fak Od un no 2 52-54 '61

Systems $CO(NH_2)_2 - LiNO_3$, Li, Na, K || NO_3 and Na, K, NH_4 || NO_3. A.G.Bergman, K.Nogoev. Zhur.neorg. khim. 9 no.6:1423-1425 Je '64.

Transformations of cobalt from a hexagonal to a cubic structure in condensation *films*. *V A.* Antonova, V. M Kosevich, L S Palatnik. Fiz, met. i metalloved. 17 no. 6 872-876 Je '64

Vadilo, P. S. [Crystallization of metals] Kristallizatsiia metallov. *Moskva, Izd-vo "Metallurgiia," 1964. 181 p*

Variation of the absorption spectra of lithium aluminum silicate glass during its crystallization. L G. Batburt, A A Gorbachev. Dokl AN SSSR 156 no 6:1420-1423 Je '64.

CRYSTALLIZATION—BOUNDARY VALUE PROBLEMS
Solution of a limiting boundary value problem for an equation derived in solving Stefan's generalized classical problem. *R* D Bachelis, V.G Melamed. Sib. mat. *zhur.* 5 *no.*4 733-745 Jl-Ag '64

CRYSTALLOGRAPHY
Calculating the ground state of polaron F_{z1} and F_{z2} centers in a uniaxial crystal. E.G. Papush. Izv vys. ucheb zav., fiz no 4 164-167 '64.

Calculating the lower p-states of *an electron in* a polaron F_{z1} center in a uniaxial crystal. E G. Papush. Izv. vys ucheb zav., fiz no. 4:184-190 '64

Cone-shaped formations on crystals. G.I. Dement'eva, I.I Shafranovskii, V. A. Mokievskii. Rost krist. 4:53-57 '64.

Crystalline structure of diacetate diaminocopper. IU. A. Simonov, A. V. Ablov, T. I. Malinovskii. Kristallografiia 8 no. 2 270-272 Mr-Ap '63.

Crystalline structures of certain intermetallic compounds of gadolinium and neodymium. P I. *Kripiakevich and others* Kristallografiia 8 no 2 268 Mr-Ap '63

Crystalline structures of compounds rich *in magnesium in the* systems La - Mg, Ce - Mg, and Nd - Mg. V. I. Evdokimenko, *P I. Kripiakevich* Kristallografiia 8 no 2 186-193 Mr-Ap '63.

Determination of symmetry. N. N. Sheftal' Rost krist. 4 222-229 '64.

Effect of impurities on the formation of figures on the surface of NaCl crystals. G. Turchani Kristallografiia 8 no. 2 290-293 Mr-Ap '63

Groups of symmetry and antisymmetry of layers. A. F. Palistrant, A. M. Zamorzaev *Kristallografiia* 8 no. 2 166-173 Mr-Ap '63

Mapping of a crystal lattice in reciprocal symmetry space. B K. Vainshtein, B. B. Zviagin Kristallografiia 8 no 2 147-157 Mr-Ap '63

New lead-containing perovskite compounds of complex *composition.* *IU. N. Venevtsev* and others. Dokl. AN SSSR 158 no. 1 86-88 S-O '64.

Physical meaning of symmetry. N. N. Sheftal'. Rost krist. 4:230-244 '64.

Popov, G. M., and I. I. Shafranovskii. [Crystallography] Kristallografiia. Izd. 4., ispr. i dop. Moskva, Vysshaia shkola, 1964. 369 p.

Possible variations in the point magnetic symmetry of crystals in ferromagnetic transitions of the second kind. IU I Sirotin Kristallografiia 8 no 2:259-260 Mr-Ap '63

Primary mineral crystallization and the structures of meteoritic chondrules. D P Grigor'ev. Dokl AN SSSR 156 no 6,1355-1357 Je '64.

Theory of elastic waves in crystals. Comparison with an isotropic medium. F I Fedorov. Kristallografiia 8 no 2 213-220 Mr-Ap '63.

Zviagin, B. B. [Electrography and structural crystallography of clay minerals] Elektronografiia i strukturnaia kristallografiia glinistykh mineralov. Moskva, Izd-vo "Nauka," 1964. 281 p.

CRYSTALS
Formulas for computing the specific gravity of cubic crystals of the 'AX' type. A S Povarennykh. Sbor. nauch trud KGRI no 10 38-44 '61

CRYSTALS—DEFECTS
Structural changes in crystals resultant from multiple ionization of atoms. A. E Kiv, S V Starodubtsev. Izv. AN Uz. SSR, Ser fiz.-mat. nauk 7 no. 5:37-39 '63.

CRYSTALS—GROWTH
(see also subdivision under Caucasus)

Do crystals inherit the defects of the seed crystal? G. F. Dobrzhanskii, M P. Shaskol'skaia. Rost krist. 4:39-44 '64.

Effect of impurities on the growth of crystals and its dependence on the pH of the solution. A. V. Belíustin Rost krist. 4 10-14 '64.

Equilibrium shape of crystals allowing for volume free energy. N. N. Sheftal', I. V. Gavrilova. Rost krist. 4,32-35 '64.

Exchange of experience gained in studies on crystal growth. N. N Sheftal', E. N. Slavnova. Rost krist. 4 245-246 '64.

Formation of crystallization centers in the presence of the seed crystal. A. V Belíustin, E. D. Rogacheva. Rost krist 4:5-9 '64

Growing of crystals under conditions of their reciprocating motion in the solution. T. G. Petrov. Rost krist. *4 133-139 '64.*

Oriented growth of crystalline substances (epitaxy). *IU. D. Chistiakov,* B. D. Lainer. Rost krist. 4:209-221 '64.

Some changes in the method of growing crystals from a *melt. L. M Beliaev, G. F.* Dobrzhanskii, Kh. S. Bagdasarov. Rost krist. 4 89-91 '64.

CRYSTALS—SPECTRA
Evidence of molecular symmetry in the spectrum of a *crystal S M. Kochubei.* Opt. i spektr. 17 no. 2: 213-218 Ag '64

CRYSTALS, ELECTRON STATE see Excitons

CUBA—DESCRIPTION AND TRAVEL
Ponizovskii, V. M. [Scarlet pearl of the Antilles] Alaia zhemchuzhina Antil. Moskva, "Mysl'," 1964. 79 p. illus. (Geograficheskaia seriia)

CUBA—ECONOMIC CONDITIONS
Enemies of freedom are not quieting down. A. Pavlenko. Mezhdunar. zhizn' 11 no. 9:122 S '64.

Podkolzin, A. M. [Economy of the Republic of Cuba] Ekonomika respubliki Kuby. Moskva, Univ. druzhby *narodov, 1964. 62 p.*

CUBA—FOREIGN RELATIONS
Our commentary. Nov. vrem. 22 no. 31:1-2 Jl '64

CUBA—FOREIGN RELATIONS—UNITED STATES
Enemies of freedom are not quieting down. A. Pavlenko. Mezhdunar. zhizn' 11 no. 9 122 S '64.

CUBA—FOREIGN RELATIONS—VENEZUELA
Unsuccessful "crusade." A. Kartsev. Mezhdunar. zhizn' 11 no. 9:125-126 S '64.

CUBA—HISTORIOGRAPHY
Historiography of the Cuban liberation movement at the end of the 19th century. M. S. Al'perovich. Vop. ist 39 no 7:194-195 Jl '64.

CUBA—INTELLECTUAL LIFE
The Cuban revolution and the intelligentsia. Jose Antonio Portuondo. *Nov. vrem. 22 no. 35:16-21* Ag '64.

CUBA—MUSIC PRINTING
Music returns to the people. P. Pichugin. Sov. muz. 28 no 1:122-123 Ja '64

CUBA—PHYSICAL EDUCATION *FOR* CHILDREN
Physical education and children's sports in the Republic of Cuba (Olimpiada escolar). *IU. P. Simakov.* Teor. i prak. fiz. kul't. 27 no. 4,65-68 Ap '64.

CUBA—POLITICS AND GOVERNMENT
The Cuban revolution and the intelligentsia. Jose Antonio Portuondo. Nov vrem. 22 no. 35:16-21 Ag '64.

[Three Americas] Tri Ameriki. Moskva, Izd-vo "Pravda," 1964. 78 p. (Biblioteka "Komsomol'skoi pravdy," no. 7)

CUBA—SOCIAL CONDITIONS
People on the march. Translated from the Spanish by A. Makarov. Juan Goytisolo. Nov. mir 40 no 2:102-*130 F '64.*

CUCUMBERS see subdivision under Ararat Plain

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS
Eight-row cultivators for corn. A. Alekseev. [illegible] khoz 35 no. 6 81-84 Je '64.

CULVERTS
Pressure of loam soils of embankments on right-angle culverts. P. M. Zelevich. Transp. stroi 14 no 1 41-44 Ja '64.

CUMENE
Kinetics of the simultaneous oxidation of cumene and ethylbenzene. Part 2 [with summary in English]. V. [illegible] TSepalov, V. IA. Shliapintokh, Chzhou Pei-khuan [Chou Pei-huang]. Zhur. fiz. khim. 38 no. 2:351-355 F '64.

CUPOLA FURNACES
Anan'in, A. A., and V. P. Chernobrovkin. [Melting cast iron in a cupola furnace] Plavka chuguna v vagranke. Izd. 2. Moskva, Izd-vo "Mashinostroenie," 1964. 58 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

Anan'in, A. A., and V. P. Chernobrovkin. [Short handbook for the cupola furnaceman] Kratkii spravochnik vagranshchika. Moskva, Mashinostroenie, 1964. 118 p

Noskov, B. A., and I. N. Den'gin. [Using natural gas for the melting of cast iron] Primenenie prirodnogo gaza *pri vtorichnoi plavke* chuguna. Kiev, Tekhnika, 1964. 114 p.

CURARELIKE SUBSTANCES
Curariform properties of 1,6-di-(3',3'-benzylquinuclidine-1,1)-hexane dichloride (qualidil). M. D. Mashkovskii, F. Sadritdinov. Farm. i toks. 25 no. 6:[illegible] *N-D '62.*

Effect of curarelike drugs on the glossomaxillary reflex. V. K. Muratov. Farm. i toks. 26 no. 5:597-602 S-O '63.

Effect of fluothane anesthesia on the action of curarelike, ganglionic blocking and adrenomimetic preparations. *R. A.* Al'tshuler. Farm. i toks. 25 no. 6:663-667 N-D '62.

CURIE POINT
Symmetry of magnetic crystals with a non-zero integral moment close to the Curie point. O. V Kovalev. Fiz. met. i metalloved. 17 no. 4:400-409 Ap '64

CURIUM ISOTOPES
Gamma rays from Cm^{243} and Cm^{242}. I. A. Baranov, A. S. Krivokhatskii, A. N. Silant'ev. Izv. AN SSSR. Ser. fiz. 28 no. 7:1255-1256 Jl '64.

CYANAMIDE
Complex compounds of manganese and nickel chlorides with dicyanamide. S. N. Avakian, R. S. Eminian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1:13-17 '63.

CYANIDES
Obtaining bright cadmium deposits from cyanide baths. M. A. Loshkarev, T. F. D'iachenko. Trudy DKhTI no. 16: 35-42 '62.

CYANINE DYES
Mono-, tri-, and pentamethinecyanines from 2,3-polymethylenebenzothiazolium salts. F. S. Babichev, *E. Shcheinskaia.* Zhur. ob. khim. 34 no. 7:2441-2449 Jl '64.

Styryl dyes, merocyanines, and thiocyanines from 2,3-polymethylenebenzothiazolium salts. F. S. Babichev, N. V. Dzhigirei, S. P. Gukalov. *Zhur. ob. khim.* 34 no. 7:2433-2440 Jl '64.

CYANOCOBALAMINE
Treatment of psoriasis with vitamin B_{12} combined with folic acid. M. I. Karlin, G. IA. Klebanov. Vest. derm. i ven. 38 no. 1:61-62 Ja '64.

CYANOETHYLATION
Cyanoethylation with β-chloropropionitrile. G. I. Denis, S. I. Jonaitis, P. F. Bruckus. Zhur. ob. khim. 34 no. 7:2477-2478 Jl '64.

CYANOGEN CHLORIDE
Amination of 1-cyano-6-chlorohexane, a product of telomerization of ethylene by cyanogen chloride. *M. I. Vasil'eva,* R. Kh. Freidlina. Izv. AN SSSR. Ser. khim. no. 7:1233-1236 Jl '64.

Polarographic determination of cyanogen chloride in aqueous solutions. A. P. Tomilov, S. M. Makarochkina. Zhur. anal. khim. 19 no. 5:646-649 '64.

CYBERNETICS

Experimental research on the processes of problem solution and the modeling of thought. D N. Zavalishina, V. N Pushkin. Izv. APN no. 129 139-143 '63

A few new problems of consciousness. V.P.Tugarinov Vest.LGU 19 no.11:86-93 '64

Prediction of biological nonstationary processes using a characteristic component technique V H Lapa, Avtomatyka 9 no. 4:80-82 '64.

Some philosophical problems of the relation between physiology and cybernetics O. F Makarchenko, M L Horbach. Fiziol. zhur (Ukr) 9 no 6:707-715 N-D '63

Some theorems on probability search in a determinate field. B.P.Kharlamov. Vest.LGU 19 no 13:69-74 '64.

CYBERNETICS—ABSTRACTS

[Journal of abstracts: Cybernetics] Ref.zhur.: Kib. no.7 Jl '64.

CYCLOBUTANE—THERMODYNAMICS

Thermodynamic data on a wide range of temperatures and pressures of octafluorocyclobutane. O D. Lagutkin Izv. vys. ucheb zav.; energ 7 no.7 60-65 Jl '64

CYCLOHEXADIENE

Dehydration of 1-cyclohexen-3-ol and α-tetralol to 1, 3-cyclohexadiene and 1, 2-dihydroxynaphthalene on alkaline earth metal phosphates as catalysts. N. P. Emel'ianov, Z. N Vasil'eva, E. A. Taborisskaia. Dokl AN BSSR 7 no.12:821-824 D '63.

CYCLOHEXADIENOL

Dehydration of 1-cyclohexen-3-ol and α-tetralol to 1, 3-cyclohexadiene and 1, 2-dihydroxynaphthalene on alkaline earth metal phosphates as catalysts. N. P. Emel'ianov, Z. N. Vasil'eva, E. A. Taborisskaia. Dokl AN BSSR 7 no.12:821-824 D '63.

CYCLOHEXANE

Interaction of sodium diethyl phosphite with 1, 2-dibromocyclohexane and 1, 2-dibromoethane. B. A. Arbuzov and others. Dokl. AN SSSR 158 no 1:137-140 S-O '64.

Radiolysis of cyclohexane. Effect of the temperature and the aggregate state of cyclohexane. V. I. Makarov, L. S. Polak. Neftekhimiia 4 no.2 314-319 Mr-Ap '64.

Reaction of cyclohexane with 3-methylbutene-1 and 2-methylbutadiene-1, 3. L. Kh. Freidlin and others. Neftekhimiia 4 no.2:246-251 Mr-Ap '64.

CYCLOHEXANEDIONE

Amperometric titration of palladium with 1, 2-cyclohexanedione dioxime. O.M.Ivonina. Zhur.anal.khim. 19 no.5:644-646 '64.

CYCLOHEXANOL

Isomerization of cyclohexene to methylcyclopentenes during the dehydration of cyclohexanol on aluminum oxide. M.R.Musaev, S.D.Mekhtiev. Dokl.AN Azerb. SSR 20 no 5:11-14 '64.

CYCLOHEXANONE

Kinetics of oxidation of cyclohexanone and 3-methylcyclohexanone with ammonium metavanadate in acid media. I.IA. Lubianitskii. Kin.i kat. 5 no.2:235-239 Mr-Ap '64.

CYCLOHEXENE

Isomerization of cyclohexene to methylcyclopentenes during the dehydration of cyclohexanol on aluminum oxide. M.R.Musaev, S.D.Mekhtiev. Dokl.AN Azerb. SSR 20 no.5:11-14 '64.

Kinetics and the mechanism of addition of hydrogen iodide to multiple carbon-carbon bonds in organic solvents. Part 2: Addition of hydrogen iodide to cyclohexene in benzene. G. F. Dvorko, E. A. Shilov. Kin.i kat. 5 no.2: 240-248 Mr-Ap '64.

Role of cyclohexene in the dehydrogenation and isomerization of cyclohexane under conditions of reforming G. V. Isagulianis and others. Neftekhimiia 4 no.2:229-235 Mr-Ap '64.

CYCLONES
(see also subdivision under Caspian Sea; Japan Sea; Pacific Ocean)

Two-year cycle of the formation dates of the summer stratospheric anticyclone. G.G Gromova, V I. Kniazeva. Meteor.i gidrol no.6 35-36 Je '64.

CYCLOPENTADIENE

Cyclopentadienyl dizirconoxanic compounds containing aryl or chelate groups. E.M.Brainina, G.G.Dvoriantseva, R.Kh.Freidlina. Dokl.AN SSSR 156 no.6: 1375-1378 Je '64.

Ethers of 2-hydroxyhexen-5-yn-3-yl-2-cyclopentadienylmanganese tricarbonyl. K.N.Anisimov and others. Izv.AN SSSR Ser.khim. no.7:1320-1322 Jl '64.

Homologs of cyclopentadienylmanganese tricarbonyl. A.N.Nesmeianov and others. Izv.AN SSSR.Ser.khim. no.7:1326-1327 Jl '64.

CYCLOPENTANE

Developing a method for the separation of methylcyclopentane from gasoline fractions. G. G. Ashumov, M. M Mirdzhavadova, A. A Allakhverdiev. Azerb.neft khoz. 42 no.6.36-38 Je '63

CYCLOPENTENE

Isomerization of cyclohexene to methylcyclopentenes during the dehydration of cyclohexanol on aluminum oxide. M.R.Musaev, S.D.Mekhtiev. Dokl AN Azerb. SSR 20 no 5:11-14 '64

CYCLOTRON RESONANCE

Cyclotron resonance in an inhomogeneous plasma cylinder. M.P.Vasil'ev and others. Zhur tekh.fiz. 34 no.7:1231-1236 Jl '64

CYLINDERS

Designing rigidity rings for durability. V M Kulakov Mash i neft.obor no 2:25-27 '64

Solution of the three-dimensional problem in the theory of elasticity for a cylinder V. I. Makhovikov. Inzh. zhur. 4 no. 2:268-274 '64.

Stress concentration near curvilinear holes on the side surface of a circular cylinder. A. N. Guz'. Inzh. zhur. 4 no. 2,360-364 '64.

Stressed state in an elastic cylinder loaded with tangential forces along the side surface P Z. Livshits. Izv.AN SSSR.Mekh.i mashinostr. no 4:105-115 Jl-Ag '64.

CYPRUS—ORTHODOX EASTERN CHURCH

Cyprus Orthodox Church (conclusion). B. Neliubov Zhur. Mosk. Patr no 7:47-51 '64

Cyprus Orthodox Church (to be continued) B. Neliubo. Zhur. Mosk. Patr no 6 38-44 '64

CYPRUS—POLITICS AND GOVERNMENT

Our commentary: Warning to the enemies of Cyprus. Nov.vrem. 22 no.31 2-3 Ag '64.

CYSTS

Traumatic rupture of a nonparasitic cyst in the spleen. M. N. Ryzhkov, G. N. Chaikovskii. Arkh.pat. 26 no. 2: 76-80 '64.

CYSTS—SURGERY

Case of malignant degeneration of a paraovarian cyst N. I Beskrovnaia, G. V Brodskii Akush i gin 39 no. 5:151-152 S-O '63.

Intraparenchymatous solitary cyst of the kidney. A. F. Uchugina. Urologiia no. 1:51-52 '64.

CYTOCHROME OXIDASE

Activity of cytochrome oxidase in plants and the effect of microelements on it. D A Aliev Dokl. AN Azerb SSR 19 no 9:81-83 '63.

CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

CYTOLOGY

Basic characteristics of the physiological structure of the living cell. D. S. Vorontsov. Fiziol. zhur. 10 no. 1: 3-15 '64.

Cytological cycle of the intermediate lobe of the pituitary gland in a frog. E. L. Soboleva. Dokl. AN SSSR 158 no. 1:245-248 S-O '64.

CYTOLOGY—CONGRESSES

Seminar on cell physiology and biochemistry at the Institute of Cytology of the Academy of Sciences of the U. S. S. R. A. D. Braun. TSitologiia 5 no. 4:479-481 Jl-Ag '63.

CYTOLOGY—PERIODICALS

Conference of the readers of "TSitologiia." A. V. Zhirmunskii. TSitologiia 5 no. 4:481-483 Jl-Ag '63.

CYTOLOGY—TECHNIQUE

Recent development of the method of ultraviolet microirradiation in biology. A. P. Dubrov. Biofizika 7 no. 5:634-639 '62.

Ultraviolet microfluorimetry of the cell. L. S. Agroskin. TSitologiia 5 no. 4:474-476 Jl-Ag '63.

CZECH LANGUAGE—VERB

Book by Fr. Kopečný "Verbal aspect in Czech." A. G. Shirokova. Vop. iaz. 12 no. 4 136-140 Jl-Ag '63.

CZECHOSLOVAKIA—AGRICULTURE, COOPERATIVE—FINANCE

Financing and issuing credit to unified agricultural cooperatives in Czechoslovakia. V Novotnyi. Fin SSSR 38 no. 6:74-82 Je '64

CZECHOSLOVAKIA—BIBLIOGRAPHY

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 6 '64.

CZECHOSLOVAKIA—CAPITAL INVESTMENTS—BIBLIOGRAPHY

Works on the economic efficiency of capital investments, capital assets and new equipment published in the Czechoslovak Socialist Republic in 1960 - 1962. Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekh. AN SSSR no. 4:138-140 '63

CZECHOSLOVAKIA—COMMERCE

Chistiakov, M A [The Czechoslovak Socialist Republic, its economy and foreign trade] Chekhoslovatskaia Sotsialisticheskaia Respublika, ekonomika i vneshniaia torgovlia Moskva, Vneshtorgizdat, 1964. 192 p

CZECHOSLOVAKIA—COMMUNIST PARTY—PERIODICALS

Review of foreign history-party journals Vop ist KPSS 8 no. 9:143-144 S '64.

CZECHOSLOVAKIA—ECONOMIC CONDITIONS

Chistiakov, M. A [The Czechoslovak Socialist Republic; its economy and foreign trade] Chekhoslovatskaia Sotsialisticheskaia Respublika; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964 192 p.

CZECHOSLOVAKIA—EDUCATION

In the schools of Czechoslovakia Z Sonckerdorf Nar obr no 8 104-106 Ag '64

CZECHOSLOVAKIA—FOREST NURSERIES

Circular nurseries in intensive forest management. P. Simanchuk, I. Tomashko Izv vys. ucheb zav., les zhur. 6 no 3:10-15 '63.

CZECHOSLOVAKIA—INDUSTRIES, LOCATION OF

Organization of work on the distribution of industries in Bulgaria and Czechoslovakia A F Prchst I [illegible] SSSR Ser geog no 4 142-145 '64.

CZECHOSLOVAKIA—MAGNETIC RECORDERS AND RECORDING

Alteration of the magnetic properties of spherical magnetites manufactured by the "wet method" (Czechoslovakia) I Vavra. Tekh kino i telev 8 no 7 32-35 Jl '64.

CZECHOSLOVAKIA—REFRIGERATION AND REFRIGERATING MACHINERY

Refrigeration Th-R393 turbocompressor for propane refrigerating systems. Khim. prom. [Ukr.] no. 3 92 Jl-S '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Contacts of Soviet and Czechoslovak scientists I R Selimkhanov, R M TSeitlin Vest AN SSSR 34 no 6 89-91 Je '64

CZECHOSLOVAKIA—STATE FARMS—COSTS

Reducing production costs on the state farms of Czechoslovakia V Krotil. Ekon sel'khoz. 35 no 6 108-111 Je '64

CZECHOSLOVAKIA—STATISTICS—YEARBOOKS

"Statistical yearbook of the Czechoslovak Socialist Republic for 1963" G. Timoshevskii Vest stat no 6 68-72 '64

DDT (INSECTICIDE)

Effect of small doses of DDT on the biosynthesis of ascorbic acid in rat organs. I. M. Filippov. Vop. pit. 23 no. 1:70-73 Ja-F '64.

Use of a granulated type DDT preparation in the control of the vectors of tick-borne encephalitis V A. Nabokov, A. I. Sadovnikov, I. V. Uspenskii. Med paraz. i paraz. bol. 32 no. 4:476-480 Jl-Ag '63

DADDAH, MOKTAR OULD, 1924-

People in the news Moktar Ould Daddah Nov vrem 21 no 30 10 Jl '64

DAGANA-KIIK (TAJIKISTAN)—SHEEP BREEDING

Improved Gissar sheep. I. Galich. Agitator no. 10:43-44 My '64.

DAGHESTAN—BENTHOS

Quantitative assay of the benthos in the Daghestan area of the Caspian Sea G. A Aligadzhiev Nauch dokl vys shkoly, biol. nauki no 3:7-12 '64

DAGHESTAN—BITUMEN

Distribution of organic matter and bituminoids in the white series of submontane Daghestan. B A. Akaev. Neftegaz. geol i geofiz no. 6.44-46 '64.

DAGHESTAN—BOTANY

L'vov, P. L. [Guide to the plants of Daghestan] Opredelitel' rastenii Dagestana. Makhachkala, Dagestanskii gos. univ. im. V. I. Lenina, 1960. 421 p.
[MICROFILM]

DAGHESTAN—CARBON

Distribution of organic carbon in the Lower Cretaceous sediments of Daghestan. A. G. Aliev, V M. Pirbudagov. Dokl. AN SSSR 156 no. 6:1364-1367 Je '64.

DAGHESTAN—COLLECTIVE FARMS

School of economy and prudence S. Bekiurov, A. Gadzhiev. Part. zhizn' no. 12:28-29 Je '64.

DAGHESTAN—ELECTRIC LINES—OVERHEAD

Thunderstorms in Daghestan M. N. Khodzhaev. Izv. vys ucheb. zav.; energ. 7 no. 7 92-95 Jl '64

Structural features of the Jurassic sediments of southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials K.M.Sul'tanov, S.S. Samedov, Ch.M.Kalifa-Zade. Azerb.neft.khoz. 43 no.3:1-4 Mr '64.

DAGHESTAN—GEOCHEMISTRY

Distribution of iron, sulfur, and organic carbon in the Mesozoic sediments of Daghestan. V D Patrusheva. Azerb neft.khoz. 43 no.2:10-11 F '64.

DAGHESTAN—GEOLOGY, STRATIGRAPHIC

Boundary between the Apt and the Alba. V V. Drushchits, I.A. Mikhailova Biul.MOIP Otd.geol 38 no 6:84-93 N-D '63.

DAGHESTAN—MINERAL WATERS

Gelseu, V. V. [Mineral springs of Daghestan] Mineral'nye istochniki Dagestana Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964 142 p.
(DNLM)

DAGHESTAN—OIL FIELD FLOODING

Development of the Selli fractured oil field. G. D. Gaidbekov. Nefteprom.delo no.4:6-9 '63.

DAGHESTAN—PETROLEUM GEOLOGY

Distribution of organic matter and bituminoids in the white series of submontane Daghestan. B. A. Akaev Neftegaz.geol.i geofiz. no 6 41-46 '64

Structural features of the Jurassic sediments of southern Daghestan and northeastern Azerbaijan in connection with their oil and gas potentials. K M.Sul'tanov, S.S. Samedov, Ch.M.Kalifa-Zade. Azerb neft.khoz. 43 no.3:1-4 Mr '64.

DAGHESTAN—ROCKS—ANALYSIS

Distribution of organic matter and bituminoids in the white series of submontane Daghestan. B A.Akaev. Neftegaz.geol i geofiz. no.6:44-46 '64.

DAGHESTAN—THUNDERSTORMS

Thunderstorms in Daghestan M.N Khodzhaev Izv.vys. ucheb.zav , energ. 7 no.7.92-95 Jl '64.

DAGHESTAN IN LITERATURE

IUsufov, R. F. [Daghestan and Russian literature at the end of the 18th and in the first half of the 19th century] Dagestan i russkaia literatura kontsa XVIII i pervoi poloviny XIX v. Moskva, Izd-vo "Nauka," 1964. 267 p.

DAHLIAS

Influence of air temperature on the shape of indicatrices of the dahlia leaves and petals. V.S Sokolova Trudy Inst.bot.AN Kazakh.SSR 16:203-215 '63.

DAIRY CATTLE—FEEDING AND FEEDS
(see also subdivision under Kostroma Province)

Effect of milk cow feeding with fermented bagasse on the quality of sweetened condensed milk. S F.Kivenko, L A Karunina Sbor ref nauch rab.VNIMP no 1:83-85 '55

DAIRY CATTLE BREEDING see subdivision under Kostroma Province

DAIRY INDUSTRY—QUALITY CONTROL

Development of the instruction for the technical, chemical and bacteriological control in butter and cheese making factories N P Brio, T G.Romanovich Sbor ref nauch.rab VNIMP no 1:94 '55.

DAIRY MICROBIOLOGY

Belousova, N. N. [Methods for the control of microorganisms in the making of dairy products, a survey] Sposoby vozdeistviia na mikroorganizmy v protsessakh proizvodstva molochnykh produktov; obzor. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 33 p.
[MICROFILM]

DAIRY PLANTS—PRODUCTION STANDARDS

Improved methodology for establishing technological work norms in butter and cheese manufacturing plants. A M. Feoktistov, A. F Vasil'eva Sbor ref.nauch.rab.VNIMP no 1 49-53 '55.

DAIRY PRODUCTS

Organization of industrial production of dairy products for children. G.G.Kerimov. Za tekh.prog. 3 no.11: 36-39 N '63.

DAIRY PRODUCTS—ANALYSIS AND EXAMINATION

Methodology of the analysis of sour cream and cottage cheese for determining the pasteurization of the initial raw product. M K.Shilovich, O P.Kornilova. Sbor. ref nauch.rab.VNIMP no 1 97-99 '55.

Studying the chemical composition of some dairy products. M K.Shilovich Sbor ref.nauch rab.VNIMP no.1 95-96 '55.

DAIRY PRODUCTS—PACKAGING

New methods for packaging dairy products. A.I.Zheltakov, S M Shtal'berg Sbor.ref.nauch.rab VNIMP no.1 86-89 '55

DAIRY PRODUCTS—TRANSPORTATION

Reducing the losses of sour cream and cottage cheese during railroad transportation V I Butin, E A Krasnozhen Sbor ref nauch rab VNIMP no 1 115-116 '55

DAIRY WASTE

Norms for losses and measures for reducing the pollution of the waste waters in dairy plants A G Gorel' Sbor ref nauch rab.VNIMP no I 99-102 '55

DAIRYING—EQUIPMENT AND SUPPLIES

Krupin, G.V., ed. [Technological equipment of dairy industry enterprises] Tekhnologicheskoe oborudovanie predpriiatii molochnoi promyshlennosti. [By] G. V. Krupin i dr. Izd.3, perer. Moskva, Izd-vo "Mashinostroenie," 1964. 355 p

DANCING
(see also subdivision under Moscow)

Dancing and the music hall. Boris Sichkin. Teatr 24 no 8:67-70 Ag '63.

DANILOV, SERGEI IAKOVLEVICH, 1912-

A sure reference point. Dm.Sergievich. Sov.voin 46 no.9:23 My '64.

DANUBE VALLEY—TERRACES (GEOLOGY)

Geological age of terraces in the lower reaches of the Prut and Danube Rivers. N.A.Konstantinova. Biul. Kom.chetv.per. no.29:67-80 '64.

DARGOMYZHSKII, ALEKSANDR SERGEEVICH, 1813-1869

Remezov, I. I. A. S. Dargomyzhskii. Moskva, Muzgiz, 1963. 123 p. (Shkol'naia biblioteka)

DARZENS REACTION

Study of compounds containing a three-membered oxide ring. Part 32. Use of Darzens reaction for the synthesis of α-chloro-β-hydroxy compounds. V.F. Martynov, M.I.Titov. Zhur ob.khim 34 no.7: 2125-2128 Jl '64.

DASHKESAN REGION (AZERBAIJAN)—IRON ORES

Preparing a complex sinter from Dashkesan iron ores. A K Arobelidze Trudy GPI [Gruz.] no.4 113-120 '62.

Production and use of highly basic, open-hearth furnace sinters from Dashkesan iron ore N.V Kashkashvili and others Trudy GPI [Gruz] no 4 25-32 '62

DASHKESAN REGION (AZERBAIJAN)—MAGNETITE

Investigating the phase constitution of sinters from Dashkesan magnetites. A T.Khvichia, S.M.Mazmishvili, M.Sh Mindeli Trudy GPI [Gruz] no 4 8-10 '62

DAUGAVPILS—INDUSTRIAL BUILDINGS

Building a synthetic fiber plant in Daugavpils. R. L. Vaisman Prom.stroi. 41 no.7 1-5 Jl '64

DAUKSA, MIKALOJUS, d. 1613

Lebedys, Juris. [Mikalojus Dauksa; a monograph] Mikalojus Dauksa; monografija. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 422 p. [In Lithuanian]

DEAF—MEANS OF COMMUNICATION

Development of independent speech in deaf primary school students. A. M. Gol'dberg. Izv.APN no.129 246-250 '63.

DEATH—CAUSES see subdivision under Krasnodar

DEATH, APPARENT

Reanimatology as a new chapter of pathological physiology. Second All-Union Conference on the Pathology and Therapy of Terminal States V. M. Shapiro. Pat.fiziol. i eksp.terap. 6 no.4:87-89 Jl-Ag '62.

DEBTOR AND CREDITOR see subdivision under Vinnitsa Province

DECEMBRISTS

"Soldier movement in the years of the Decembrists" by V.A Fedorov Reviewed by P.IA.Bukshpan Vop ist. 39 no.7 140-142 Jl '64

DECORATIONS OF HONOR—LAWS AND LEGISLATION

Plevskii, B. M. [Encouragements for conscientious work] Pooshchreniia za dobrosovestnyi trud. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 63 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

DECORATIVE ART see Art, Decorative

DEEP DRAWING (METALWORK)

Boron in low-carbon steel for deep drawing. D. A. Litvinenko. Stal' 23 no.4 357-361 Ap '64.

DEFICIENCY DISEASES

Effect of cobalt on the thyroid gland state caused by low-protein diet against a background of iodine supply. A.I.Shtenberg, IA.Kusevitskii, E.E.Abolyn'. Vop.pit. 22 no.3:41-47 My-Je '63.

DEFORMATION OF SURFACES see Surfaces, Deformation of

DEFORMATIONS (MECHANICS)

Appearance of submicroscopic cracks in plastic metals undergoing static deformation. I A.Oding, IU.P. Liberov. Izv.AN SSSR.Met.i gor.delo no 2:85-91 Mr-Ap '64

Behavior of rocks under prolonged action of an applied load. M.I.Kandyba, G A.Meshkovskii Izv vys ucheb.zav ; gor zhur. 7 no 3:15-23 '64.

Calculation of complex frame systems. Sh.S.Karimov. Sbor.nauch.trud.NII po stroi.ASiA no.1:19-32 '63.

Characteristics of deformation and changes in the physical properties of chromium-iron alloys. A K.Butylenko, V N.Gridnev. Sbor.nauch rab Inst metallofiz AN URSR no 18 3-17 '64

Conformal transformation in the theory of a smoothly changing plastic flow. Report no.1. G.IA.Gun, P.I. Polukhin. Izv.vys.ucheb.zav.; chern.met. 7 no.7: 90-95 '64.

Deep flow of the metal during its plastic shaping. P.S. Dobordzhginidze Trudy GPI [Gruz] no 4 87-91 '62

Deformation and structural changes in nickel during an even application of load G.IA.Kozyrskii, P.N Okraineta. Sbor nauch.rab.Inst.metallofiz AN URSR no.18:83-89 '64

Deformation of brittle solids. I.M.Pavlov, M.V.Rastegaev, V.M.Zharov. Trudy Inst.met. no.14:90-100 '63.

Deformation process during the rolling of pipe on an automatic mill L N Oklei, A.I Tumberidze, Dzh M Lomsadze Trudy GPI [Gruz] no 4 101-107 '62

Deformations and modulus of elasticity of keramzit concrete. A.Akbarov. Sbor.nauch.trud.NII po stroi. ASiA no.4:61-65 '63.

Dynamic effects of plastic deformation in copper and its alloys. N F.Kunin, S.A.Kisliakov. Dokl.AN BSSR 8 no.2:124-126 F '64.

Effect of plastic deformation on the magnetization saturation of ferromagnetic materials. I.IA Dekhtiar, D.A.Levina. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18:189-197 '61.

Effect of preliminary plastic deformation on the magnetic properties of Co-Pt alloys. IU A.Gratsianov, A.G. Rabin'kin. Fiz met.i metalloved. 17 no.4 519-526 Ap '64.

Effect of stresses on the deformation of alloys of copper with aluminum and nickel in the temperature range of the martensite transformation. I.A.Arbuzova, L.G Khandros. Sbor.nauch rab.Inst metallofiz.AN URSR no.18 40-46 '64

Effect of surface conditions on the jump-like deformation of aluminum at T = 1.3°K. O V.Kliavin, A.V.Stepanov Fiz.met.i metalloved 17 no.4:592-600 Ap '64.

Effect of test duration on the shear strength of clay rocks. R.E.Dashko. Zap.LGI 48 no.1:56-60 '63.

Effect of the critical degree of deformation in aluminum. G.V Indenbaum. Fiz.met.i metalloved. 17 no.6. 909-916 Je '64.

Energy absorption by copper during small deformations. N F Kunin and others Fiz.met i metalloved 17 no.5 789-792 My '64

Experimental study of prestressed elements under bending with calculation of the time factor. S.F. Kabil'dzhanov. Sbor.nauch.trud.NII po stroi.ASiA no.4:49-60 '63.

Extremum ways of plastic deformation. V.V.Dudukalenko. Dokl AN SSSR 157 no.1:69-72 Jl '64

Friction coefficient and plastic deformation. L.M Sedokov. Izv.vys ucheb.zav.; fiz. no 4:124-127 '64.

Functions of loading of an anisotropically hardening plastic material. G.I.Bykovtsev, V.V.Dudukalenko, D.D. Ivlev. Prikl.mat.i mekh. 28 no.4:794-797 Jl-Ag '64.

Investigating final structural deformations and the amount of residual austenite in hardened roll steel. G I Aksenov, N P.Morozov, V.A.Chaika Fiz met i metalloved. 17 no 5:737-743 My '64

Investigating the dependence of mechanical properties on the characteristics of metal structure. B.M.Rovinskii, L.M.Rybakova. Fiz.met.i metalloved 17 no.4:554-563 Ap '64.

Investigating the plastic deformation of a polycrystal by its change of texture. A.S.Kagan. Fiz.met.i metallovoved. 17 no 6 917-923 Je '64.

Irregularity of deformation during axially symmetric upsetting P S. Dobordzhginidze Trudy GPI [Gruz] no.4:81-85 '62

Microheterogeneity of deformation in steel subject to temper brittleness. IU.S.Tomenko, I.N Drukova. Fiz.met.i metalloved. 17 no.5.750-754 My '64

Microrelief on the surface of nickel-chromium alloys under the effect of small plastic deformations. S.V. Zatsepin, I.I.Zlochevskaia, V.E.Kochnov. Izv.AN SSSR.Met.i gor.delo no.2.172-176 Mr-Ap '64.

Moments of plastic microdeformations. A.A.Asaturov and others. Fiz met.i metalloved. 17 no.5:744-749 My '64.

Moscow. Institut metallurgii. [Plastic deformation of metals] Plasticheskaia deformatsiia metallov. Moskva, Nauka, 1964. 180 p.

Some characteristics of the [illegible] of rocks under [illegible] S.A. Pankra[illegible] no.4: 816-821 [illegible]

DEFORMATIONS (MECHANICS) (Continued)

Study of the stability and deformability of embrasured panels in skewing. A.A.Adilkhodzhaev, A.Akbarov, A.I.Leashkin. Sbor.nauch.trud.NII po stroi.ASIA no.4:10-18 '63.

Uniform and concentrated deformations in hardened and tempered steel. V.G.Batinikin, A.G.Bobrov, IA S. Gintsburg. Izv.vys.ucheb.zav.; chern.met. 7 no.7: 153-156 '64.

Unit pressure and friction forces on the surface of the deformation center for a general case of rolling. V.I. Sokolovskii. Izv.vys.ucheb zav.; chern.met. 7 no.7, 104-111 '64.

Upsetting solids of a prismatic shape with plastic, yielding interlayers. L.N.Moguchii. Trudy Inst.met. no.14:101-107 '63.

X-ray investigation of the defects of packing in a deformed permalloy M IA.Fuks, A A Koz'ma Fiz.met i metalloved. 17 no 5 760-767 My '64

DEFORMATIONS (MECHANICS)—BOUNDARY VALUE PROBLEMS

Axisymmetric problem of the propagation of a crack in normal rupture. B.V.Kostrov. Prikl.mat.i mekh. 28 no.4:644-652 Jl-Ag '64.

Impact of a disc against the surface of an ideally compressible liquid. V.B.Poruchikov. Prikl.mat.i mekh. 28 no.4:797-800 Jl-Ag '64.

DEGRADATION (CHEMISTRY)

Thermoxidative degradation of polyphenylpolydimethylsiloxanes. K.A.Andrianov and others. Plast.massy no.2:22-25 '64.

DEHYDRASES

Localization and activity of dehydrases in the mitochondria of ellipsoids of the photoreceptors in vertebrates. T.P.Lukashevich. Dokl.AN SSSR 156 no.6:1436-1439 Je '64.

DEHYDRATED MILK see Milk, Dried

DEHYDRATION (CHEMISTRY)

Effect of the temperature of boron phosphate preparation on its specific surface, acidity, and catalytic activity in the dehydration of alcohols. L.Kh.Freidlin, V.Z.Sharf, Z.T.Tukhtamuradov. Kin.i kat. 5 no.2:347-350 Mr-Ap '64.

Gas-volumetric investigation of the process of thermal dehydration of epsomite at lowered pressures. L.G. Berg, K.P.Pribylov. Zhur.neorg.khim. 9 no.6: 1514-1516 Je '64.

Investigating the dehydration of hexanediol-2,5 into hexadienes in the presence of acid catalysts. L.Kh. Freidlin, V.Z.Sharf, M.A.Abidov. Neftekhimiia 4 no.2:308-313 Mr-Ap '64.

Production of α-butylene by the dehydration of n-butyl alcohol on aluminum oxide A-1. Report No.5: Some problems of kinetics. I.I.Pis'man, V.V.Kas'ianov, M.A.Dalin. Azerb.khim.zhur. no.5:85-92 '63.

DEHYDROGENATION

Obtaining butadiene-1,3 by the oxidation dehydrogenation of butene in the fluidized bed. I.IA.Tiriutaev and others. Neftekhimiia 4 no.2:190-193 Mr-Ap '64.

Obtaining higher ketones by the dehydrogenation of secondary alcohols over copper-chromium and nickel-chromium catalysts. A.N.Bashkirov, V.V.Kamzolkin, M.M.Potarin. Neftekhimiia 4 no.2:298-300 Mr-Ap '64.

Role of cyclohexene in the dehydrogenation and isomerization of cyclohexane under conditions of reforming. G.V.Isagulianta and others. Neftekhimiia 4 no.2:229-235 Mr-Ap '64.

Studying the composition of by-products formed in obtaining isoprene by the dehydrogenation of isopentane and isopentenes. K.N.Charskaia, E.I.Rodina, IU.A. Gorin. Neftekhimiia 4 no.2:194-199 Mr-Ap '64

DELAY LINES

Frequency dependence of the attenuation factor of comb-type delay systems. V.N.Artem'ev, L.I.Kats. Radiotekh.i elektron. 9 no.7:1214-1222 Jl '64.

Methods for measuring the coupling impedance of a delay system using a dielectric probe. K.IA.Lizhdvoi. Izv. vys.ucheb.zav.; radiotekh. 7 no.2:200-204 Mr-Ap '64.

DELHI BOIL

Seeding tubercles in the anthroponomic type of cutaneous leishmaniasis. K.M.Gusein-Zade. Med.paraz.i paraz.bol. 32 no.4:422-424 Jl-Ag '63.

DELIRIUM

Effect of some pharmacological substances on delirious ideas in progressive paralysis. M.A.Rybalko. Trudy Gos.nauch.-issl.inst.psikh. 40:134-140 '63.

DELIVERY OF GOODS—MATHEMATICAL MODELS

Distribution of nonuniform products allowing for the processing capacity of intermediate stations. B.S. Verkhovskii. Dokl.AN SSSR 158 no.1:17-20 S-O '64.

DELIVERY OF GOODS (LAW)

R.Khalfina's "Legal regulation of the delivery of goods and the economy." G.Shapkina. Sov.iust. 28 no.7: 28-29 Ap '64.

DELPHINIUM see Larkspur

DELTAS

UNESCO symposium on the scientific problems of deltas in a humid tropical zone, held in Dakka. V.N.Mikhailov. Meteor.i gidrol. no.8:41-42 Ag '64.

DEMOGRAPHY—CONGRESSES

The Demographic Section of the Moscow House of Scientists has started to work A IA Vest stat no 8 83-85 '64

DEMOLITION, MILITARY

Blowing up a bridge. B Anuchkin. Voen.vest. 43 no.4,83-87 Ap '64

DENDROCHRONOLOGY

Some principles of dendroclimatology and dendrochronology. V.E.Vikhrou. Veetsi AN BSSR.Ser.biial.nav. no.4:5-14 '62.

DENMARK—DESCRIPTION AND TRAVEL

In the far North. B Galanov Nov.mir 40 no 2:273-275 F '64.

DENMARK—ELECTRONIC INSTRUMENTS

Exhibition of Danish electronic measuring instruments. I.V.Shirochenskaia. Izm tekh. no.3:55-56 Mr '64.

DENNIS, EUGENE, 1905?-

Glorious son of America, on the 60th birthday of Eugene Dennis. N.I Drymina. Vop.ist.KPSS 8 no.8,82-85 Ag '64.

DENTISTRY, OPERATIVE

Kozlov, V.A. [Replantation of teeth] Replantatsiia zubov [Leningrad] Meditsina, 1964. 98 p. (Biblioteka prakticheskogo vracha)
(DNLM)

DEOXYCHOLIC ACID

Synthesis of methylcholanthrene from deoxycholic acid. L.N.Volovel'skii. Zhur.ob.khim. 34 no.7:2462-2464 Jl '64.

DEOXYRIBONUCLEIC ACID see Nucleic acids

DEPOLARIZATION (ELECTRICITY)

Study of galvanic cells by means of hydrogen peroxide as a depolarizer. O.K.Davtian, M S Kuskova, B A. Manakin Nauch ezhegod Khim.fak Od un. no.2 117-120 '61.

DEPOLYMERIZATION

Changes in depolymerase activity of nucleic acids in rats with transplantable tumors under the influence of ethylenimine derivatives. V.A.Chernov, Zh.F.Presnova. Vop.onk. 9 no.6:70-78 '63.

DEPRECIATION see subdivision under United States

DERMATOLOGY

Book reviews. V.A.Suvorov, P.Kozhevnikov, A.A. Shtein. Vest.derm.i ven. 38 no.1:83-88 Ja '64.

DERMATOLOGY—BIBLIOGRAPHY see Bibliography—Dermatology

DERMATOMYCOSES

Methodology of health education in the prevention of epidermophytosis. E.K.Reznikov. Vest.derm.i ven. 38 no.1:53-58 Ja '64.

Triple artificial inoculation of Kaufmann-Wolf Epidermophyton. G.K.Andriasian. Vest.derm i ven. 38 no.1:3-9 Ja '64.

DERZHINSKAYA, KSENIIA GEORGIEVNA, 1889-1951

Next to Derzhinskaya. M.Maksakova. Sov.muz. 28 no.2:89-92 F '64

DESCHAMPSIA

Effect of root and caryopsis excretions in common hair grass on the shoots and germination of birch and fir seeds. T.I Golomedova. Nauch.dokl vys.shkoly, biol.nauki no.3:119-129 '64.

DESERT FLORA

(see also subdivision under Caspian Sea regi

Characteristics of the development of desert
in Moscow. E. N. Volkova. Trudy Inst. bo
Turk.SSR 4:97-126 '58.

DESIGN, INDUSTRIAL

In the design institutes. I.A.Markus, V.N.Ar
Biul.stroi.tekh. 20 no.7:45-46 Jl '63.

DESORPTION

Absorption of gases by liquids. G.E.Dmitrie
Bol'shakov. Nauch.ezhegod.Khim.fak.Od u
29-34 '61.

Desorption of casing head gasoline from the s
adsorbents under increased pressure. A.M.
N.A.Agakishiev, B.A.Pimsker. Gaz.prom
48-51 '64.

Kinetics of the desorption of water vapors and
dioxide from zeolites in a vacuum. N.V.Kel
prom. 9 no.4:51-54 '64.

DESTRUCTIVE DISTILLATION see Distillatio
Destructive

DESULFURATION

Activity of calcium oxides and sulfides in slag according to data on sulfur vaporization from slag and on its distribution between the cast iron and slag. I.S Kulikov, G.I.Zhmoidin. Trudy Inst.met. no.14 3-12 '63.

Desulfurization of petroleum coke in a gas current. S.G.Rogachev, E.V.Smidovich. Nefteper.i neftekhim. no.5,22-24 '64.

Reducing the sulfur content of converter cast iron at the Zaporozhstal' Plant in connection with an improvement of the technology of blast furnace smelting G A Volovik, IU M Potebnia Stal' 23 no 4 296-299 Ap '64.

Regeneration of alkali from the sulfide alkalies of desulfurized petroleum-products V S Petchina, B IA Startsev Nefteper i neftekhim no 9 25-27 '63

Using electrical currents to intensify the burning out of sulfur in slags. S.K.Chuchmarev, A.A.Dobryden'. Sbor.nauch.trud.Ural.politekh.inst. no.126 34-48 '63.

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETONATION

Determining the Chapman - Jouguet pressure and reaction time in the detonation wave of powerful explosives. A.N.Dremin, K.K Shvedov. PMTF no 2,154-159 Mr-Ap '64

Properties of the container capable of initiating the detonation of liquid explosives. G.V Dimza. PMTF no.2:166-168 Mr-Ap '64.

DETONATORS—TESTING

Testing electric detonators of short delayed action. A.V.Brulakhin, N I Zub Transp stroi. 13 no 10 67-68 O '63.

DEUTERIUM COMPOUNDS

Calculation of a spectroscopic mass of hydrogen and deuterium of pyramidal hydrides and deuterides. V.N. Khlebnikova, V.P.Morozov. Trudy DKHTI no.16,7-26 '62.

Comparison of the electron-donor properties of the series of aliphatic and cyclic ethers during interaction with CH_3OD. I M.Ginzburg, E.S.Petrov, A.I. Shatenshtein Zhur ob khim 34 no 7:2294-2298 Jl '64

DEUTERIUM COMPOUNDS—THERMODYNAMICS

Thermodynamic functions of tetrahedral hydrides and their deutero derivatives. D.S.Koval'chuk, V.P.Morozov. Trudy DKHTI no.16:1-6 '62.

DEUTERIUM OXIDE—PHYSIOLOGICAL EFFECT

Changes in the reaggregation speed of the macerated spone Halichondria panicea as related to the D_2O content of seawater. E.K.Runge. Biofizika 7 no 5: 632-633 '62

Effect of D_2O on spore germination and mycelium growth in Rhizopus nigricans T.A.Preobrazhenskaia, S E Shnol' Biofizika 7 no 5:592-598 '62.

Physiological and mutagenic action of D_2O on Drosophila melanogaster V.G Tumanian, S E Shnol' Biofizika 8 no.1,15-18 '63.

DEUTERIUM OXIDE—THERMODYNAMICS

Experimental study of the enthalpy of heavy water in the supercritical region of the parameters of state A E Sheidlin, N.I.Gorbunova Teplofiz vys temp 2 no.3: 484-487 My-Je '64

DEUTERONS

Some characteristics of the reaction of qu
knocking out of nucleons and deuterons f
of the 1d - 2s-shell N.S.Zelenskaia, I

Functional state of the nervous system in diabetes mellitus and pulmonary tuberculosis patients according to electrophysiological examination. A. I. Volegov, T. F. Smurova. Probl. tub. 42 no. 1:73-79 '64.

Lipolytic activity of adipose tissue in experimental alloxan diabetes. N. K. Davtian. Biul. eksp. biol. i med. 55 [i.e. 56] no. 10:29-32 O '63.

DIAGNOSES

Clinicomorphological characteristics of spermatozoal granuloma of the epididymis. I. D. Shperling. Urologiia no. 1:34-38 '64.

Critical remarks. A. G. Baranova. Vop. onk. 9 no. 6, 126-128 '63.

Differential cytological diagnosis of precancer and cancer of the cervix uteri with luminescent and phase contrast microscopy. E. A. Svindler. Vop. onk. 10 no. 3:86-93 '64

Importance of the quality of intravital diagnosis in the study of mortality due to the most important cardiovascular diseases. V. A. Nesterov. Nauch. trudy Kub. gos. med. inst. 19 169-188 '62.

Polarographic studies in the diagnosis of lung cancer. E. F. Moiranovskaia, A. S. Mamontov, V. V. Gorodilova. Vop. onk. 10 no. 3:66-71 '64

Results of the struggle with medical errors. E. R. Guglin. Zdrav. Ros. Feder. 8 no. 1 13-14 Ja '64

Transillumination examination in surgery on the esophagus. M. Z. Sigal. Grud. khir. 5 no. 5:64-67 S-O '63.

Triumfov, A. V. [Topical diagnosis of diseases of the nervous system, a brief manual] Topicheskaia diagnostika zabolevanii nervnoi sistemy, kratkoe rukovodstvo. Izd. 6. Pod red. A. I. Shvareva. [Leningrad] Meditsina, 1964. 258 p.
(DNLM)

DIAGNOSIS, CYTOLOGIC

Cytologic diagnosis of cancer of the cervix uteri. T. D. Makhmurian, G. A. Arzumanian, L. M. Doroshenko. Vop. rent. i onk. 7:349-356 '63.

Cytologic diagnosis of peritoneal pseudomyxoma. Z. F. Klimanova. Lab. delo no. 7 438-441 '64

Cytological diagnosis of scleroma. A. N. Kniga. TSitologiia 5 no. 4:452-455 Jl-Ag '63.

Diagnosis of lung cancer by the cytologic study of the sputum. G. A. Arzumanian, O. A. Daian, L. O. Arutiunian. Vop. rent. i onk. 7:289-295 '63.

DIAGNOSIS, FLUOROSCOPIC

Use of the fluorescent antibody method in the serological diagnosis of toxoplasmosis. J. Kramar. Med. paraz. i paraz. bol. 32 no. 4:454-460 Jl-Ag '63.

DIAGNOSIS, RADIOSCOPIC

Saliva-iodine-thyroid test in the diagnosis of the functional state of the thyroid gland. L. A. IUdin. Med. rad. 8 no. 12:16-21 D '63.

DIALECTICAL MATERIALISM

Akademiia nauk SSSR. Institut filosofii. [Problems of the logic of scientific knowledge] Problemy logiki nauchnogo poznaniia. Moskva, Nauka, 1964. 408 p.

Is the dialectics of nature an independent part of Marxist philosophy. T. Abdyldaev. Vop. filos. 18 no. 6 52-55 '64

Kosichev, A. D. [The Marxist-Leninist struggle against the ideology of anarchism and the present day] Bor'ba marksizma-leninizma s ideologiei anarkhizma i sovremennost'. [Moskva] Izd-vo Mosk. univ., 1964. 413 p.

Laws of materialistic dialectics and their manifestation in military affairs. E. Rybkin. Komm. Vooruzh. Sil 4 no. 7:45-51 Ap '64.

Lekhner, E. A. [Interrelation between dialectical materialism and the natural sciences] Vzaimootnoshenie dialekticheskogo materializma i estestvoznaniia. Pod red. E. V. Tadevosiana. Moskva, Mosk. energeticheskii in-t, 1960. 54 p.
[MICROFILM]

Moscow. Akademiia obshchestvennykh nauk. [Program for the study of the principles of philosophy; for political education groups] Programma izucheniia osnov filosofskikh znanii, dlia kruzhkov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 63 p.

Popovych, M. V. [Against contemporary critics of Marxist materialism] Proty suchasnykh krytykiv marksists'koho materializmu. Kyiv, Naukova dumka, 1964. 151 p.

The problem of segregating the "dialectics of nature" as a relatively independent branch of Marxist philosophy. P. S. Zabotin, F. D. Kramar, N. I. Suvorov. Vop. filos. 18 no. 6:47-49 '64

Subjective and objective contradictions present in motion. I. S. Narskii. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:118-125 '64.

"The sum total and the remainder," or the balance of a renegade. B. E. Bykhovskii. Vop. filos. 18 no. 7:112-122 '64

DIALECTICAL MATERIALISM—STUDY AND TEACHING

Moscow. Akademiia obshchestvennykh nauk. [Program on dialectical and historical materialism for independent students and those who attend the seminars of the system of political education] Programma po dialekticheskomu i istoricheskomu materializmu dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Politizdat, 1964. 62 p.

DIAMINE OXIDASE

Cholinesterase, monoamine oxidase and histaminase activity in the mucosa of different segments of the stomach. L. N. Karpenko. Vop. med. khim. 9 no. 2 133-136 Mr-Ap '63.

DIAMONDS—SPECTRA

Electroluminescence of diamonds. V. V. Pologrudov, IU. G. Penzin, E. E. Penzina. Opt. i spektr. 17 no. 2 230-231 Ag '64.

DIAMONDS, INDUSTRIAL

Conference and seminar "Diamond tools and machining with diamond tools." S. A. Popov. Stan. i instr. 35 no. 6:43 Je '64

Diamonds should be used in industry. Mashinostroitel' no. 6 1 Je '64

Green light to diamond grinding. A. S. Lerner. Mashinostroitel' no. 6 33-34 Je '64

Introduce diamond tools efficiently. A. P. Nikitin. Mashinostroitel' no. 7:29-31 Jl '64.

Introduce diamond tools widely. G. L. Persits. Mashinostroitel' no. 6 35-36 Je '64

Nesmelov, A. F. [Diamond tools in industry] Almaznye instrumenty v promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964. 342 p.

Scientific technical conference on diamond tools. E. Frolova. Mashinostroitel' no. 6 43 Je '64

DIAPHRAGM

Morphological changes in the diaphragm in peritonitis. G. V. Gordeev, N. I. Liashenko. Sbor. nauch. rab. stud. Volg. gos. med. inst. no. 1:60-65 '60.

DIAPHRAGM—HERNIA

Clinical aspect and treatment of a parasternal hernia. L. G. Dvali. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:263-268 '63.

Diagnosis of hiatal hernias. M. E. Astapova. Sov. zdrav. Kir. no. 6:31-35 N-D '63.

Differential diagnosis of diaphragmatic hernias in children. I. S. Glinskaia. Trudy Tadzh. med. inst. 50:220-222 '61.

DIAZO COMPOUNDS

Fluoroaliphatic diazo compounds. Report No. 1: Some new reactions of trifluorodiazoethane. B. L. Diatkin, E. P. Mochalina. Izv. AN SSSR Ser. khim. no. 7:1225-1229 Jl '64.

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 18: Chloroarylation of diisopropenyl. N. I. Ganushchak and others. Zhur. ob. khim. 34 no. 7:2238-2243 Jl '64.

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 19: Chloroarylation of α-chloroacrylonitrile. N. O. Pastushak, A. V. Dombrovskii, L. I. Rogovik. Zhur. ob. khim. 34 no. 7:2243-2246 Jl '64.

Kriuchkova, L. I., and L. I. Sulakova. [Printing layers based on diazo compounds; review of the Soviet and foreign literature] Kopiroval'nye sloi na diazosoedineniiakh; obzor otechestvennoi i inostrannoi literatury. Pod red. E. A. Nikanchikovoi. Moskva, Vses. nauchno-issl. in-t poligraficheskoi promyshl., 1963. 27 p.

DIAZOTIZATION

Methods for determining primary amino groups and for the control of the diazotization processes and azo coupling of aromatic amino polymers. V. G. Siniavskii, A. I. Turbina. Plast. massy no. 2:63-64 '64.

DICTATORSHIP OF THE PROLETARIAT

Development of the Marxist-Leninist theory of the socialist state in the program of the CPSU. I. V. Loktev, M. I. Lomova. Uch. zap. Kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 4:114-132 '63.

DIDEROT, DENIS, 1713-1784

On the 250th anniversary of Denis Diderot's birth. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1:81-83 Ja-F '64.

DIE CASTING

Methods of calculating the cooling of a casting in a multilayer mold. P. I. Talanov, O. IU. Kotsiubinskii, E. S. Zal'tsman. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:195-201 '64.

Myshalov, S. V. [Die casting] Lit'e pod davleniem. Izd. 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 49 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

Volpianskii, L. M. [Casting in permanent molds] Lit'e v metallicheskie formy. Izd. 3., perer. Moskva, Izd-vo "Mashinostroenie," 1964. 53 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

DIE CASTING—EQUIPMENT AND SUPPLIES

Factors for increasing the durability of die-casting molds and improving the quality of castings. G. M. Smirnov. Soversh. tekh. mash. i prib. no. 3 109-119 '60

Using the method of plastic deformations in making parts of die-casting molds. V. D. Vasil'ev. Soversh. tekh. mash. i prib. no. 3 27-32 '60

DIELECTRIC CONSTANT

Dielectric properties of boracite single crystals. A. S. Sonin, I. S. Zheludev. Kristallografiia 8 no. 2 283-285 Mr-Ap '63

Dielectric properties of cesium nitrate single crystals. A. S. Sonin, I. S. Zheludev. Kristallografiia 8 no. 2 285-287 Mr-Ap '63

Use of a new variant of the resonator method for measuring dielectric constants for the study of high molecular weight compounds. V. B. Kazanskii, L. D. Stepin, V. K. Tkach. Biofizika 8 no. 1:112-115 '63

DIELECTRIC LOSS

Dependence of tg δ and ε' of polyethylene on the temperature in the ultrahigh frequency range. G. P. Mikhailov and others. Plast. massy no. 2:9-12 '64.

DIELECTRICS

Cherniak, G. IA. [Dielectric methods for studying the moisture of soils] Dielektricheskie metody issledovaniia vlazhnykh gruntov. Moskva, Izd-vo "Nedra," 1964. 127 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no. 5)

Clarification of a formula for determining the specific inductive capacitance of samples using a resonance frequency shifting technique. G. N. Rapoport, R. N. Bondarenko, G. I. Gladyshev. Radiotekh. i elektron. 9 no. 7:1319-1320 Jl '64

Electronic breakdown of dielectrics. I. A. Bakuto. Dokl. AN BSSR 7 no. 12 811-813 D '63.

Mezhvuzovskaia konferentsiia po sovremennoi tekhnike dielektrikov i poluprovodnikov. 3d. [Abstracts of reports of the Third Interuniversity Conference on the Present-day Technology of Dielectrics and Semiconductors] Tezisy dokladov. Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina), 1960. 166 p.
[MICROFILM]

Special features of the secondary electron emission of thin films and the Malter effect. N. L. IAsnopol'skii, V. S. Malysheva. Radiotekh. i elektron. 9 no. 7:1293-1297 Jl '64.

Volt-second characteristics of polar and nonpolar liquids. A. I. Limasov, A. T. Chepikov. Izv. Sib. otd. AN SSSR no. 8:22-26 '62.

DIENCEPHALON

Electric activity of the cerebral hemispheres of Varanus griseus induced by excitation of structures of the diencephalon. M. G. Belekhova. Fiziol. zhur. 49 no. 11:1318-1329 N '63.

Significance of the diencephalon in the formation of cortical electrical activity. P. M. Sierkov, R. F. Makul'kin. Fiziol. zhur. [Ukr.] 9 no. 6:710-721 N-D '63.

DIENCEPHALON—DISEASES

Alcoholism and pathology of the diencephalon. B. M. Segal. Trudy Gos. nauch.-issl. inst. psikh. 40:80-99 '63.

Paroxysmal myoplegia. N. A. Il'ina. Zhur. nevr. i psikh. 63 no. 9:1352-1356 '63.

DIES (METALWORKING)

High-duty dies. A. N. Druzhaev. Soversh. tekh. mash. i prib. no. 3:90-108 '60

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Adjustable thread-rolling dies for external metric threads with a diameter from 4 to 33 mm] Plashki rez'bonakatnye reguliruemye s rolikami dlia metricheskikh naruzhnykh rez'b diametrom ot 4 do 33 mm. (MN 4947-63—MN 4953-63). Moskva, Izd-vo standartov, 1964. 30 p. (SSSR. Normali mashinostroeniia)

DIES (METALWORKING)—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cold stamping dies fitted out with hard alloys, design and construction] Shtampy dlia kholodnoi shtampovki, osnashchennye tverdymi splavami; raschety i konstruirovanie (RTM 112-63). Moskva, Izd-vo standartov, 1964. 115 p.

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Dies for cold stamping; universal blocks, diesets and die parts for pressing articles of nonferrous metals] Shtampy dlia kholodnoi shtampovki, bloki universal'nye, pakety i detali shtampov dlia pressovaniia izdelii iz tsvetnykh metallov (MN 4888-63—MN 4897-63). Moskva, Izd-vo standartov, 1964. 67 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Dies for horizontal forging machines; design and construction] Shtampy dlia gorizontal'no-kovochnykh mashin, raschety i konstruirovanie (RTM 39-61). Moskva, Izd-vo standartov, 1964. 115 p.

DIESEL ELECTRIC POWER PLANTS

Automation of power supply units with 100 kv.-a. ratings Izv.vys.ucheb.zav., energ. 7 no 7 23-27 Jl '64

Operation of diesels in the diesel-electric drive of BU-50Br rig I. N. Sulkanishvili Mash i neft obor no 5:25-30 '63

DIESEL ENGINES
(see also subdivision under Kharkov)

Diesel parameters for drilling rigs. I I Volkomirskii. Mash. i neft obor no. 5:19-24 '63

DIESEL *ENGINES—FUEL SYSTEMS*

Gol'verk, A.A., and I.V. Vagner. [Testing the fuel system of diesel engines] Metodika ispytanii toplivnoi apparatury dizelei. Kiev, Izd-vo "Urozhai," 1964. 143 p.

Some problems concerning a fuel supply system with plunger-type accumulators R M Bashirov Energomashinostroenie 10 no. 5, 31-34 My '64

DIESEL ENGINES—TESTING

Determining available energy of exhaust gases by the diagram of pressure changes in the outlet pipe M. G Kruglov, IA. A Egorov. Vest. mashinostr 43 no. 12; 17-21 D '63.

DIESEL FUELS

Changing the system of control for rectification columns in the selection of lateral flows. A.K.Zinchenko. Nefteper.i neftekhim. no.5;42-43 '64.

Improving the technique in the alkali purification of diesel fuels. Ch.M.Dzhuvarly and others. Azerb. neft.khoz. 43 no.3;34-36 Mr '64.

Obtaining a multifunctional additive (barium salt of the condensation products of alkyl phenol with formaldehyde) under plant conditions. A M, Kuliev, G A. Zeinalova, A. E. Mushailov Azerb neft. khoz. 43 no. 2:30-32 F '64.

Results of an investigation of individual Baku oils with a view to obtaining high-quality *diesel fuels* K G Veliev, M A Mardanov, M. I. Makhmudbekova, Azerb neft. khoz. 43 no 2,32-35 F '64

Using ammonia as a neutralizing agent in ship diesels operating on sulfurous fuel. IU. M Akivis, G. N Kharin, A. M. Stepanov Khim. i. tekh.topl. i masel 9 no. 4;49-51 Ap '64

DIESEL FUELS—TESTING

Device for the automatic switching off of an IF9-3 plant when the electric energy and water for cooling have been shut off K.G. Galimov. Mash i neft obor no 2; 36-37 '64.

DIESEL LOCOMOTIVES
(see also subdivision under Kolomna)

Diesel locomotives in mines V. S. Nos, N. V. Boldovskii. Ugol' Ukr. 7 no. 9;37-38 S '63

Increasing the fatigue strength of cast iron crankshafts. L.M.Shkol'nik, D.D.Shchetinin. Vest.TSNII MPS 23 no.4:35-38 '64.

DIESEL LOCOMOTIVES—COOLING

Optimum circuit for the cooling system of diesel locomotives. V. I. Evenko. Zhel dor. transp. 46 no. 1 34-37 Ja '64.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Increase in the specific characteristics of alkaline iron-nickel diesel locomotive storage batteries. F F Tomashevskii, P. V Chudakova, M I. Matveeva. Elektrotekhnika 35 no 5 40-42 My '64

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR
(see also subdivision under Soviet Central Asia)

Experience in the repair of antifriction bearings of the TE3 diesel locomotive. O.V.Glushchenko. Vest. TSNII MPS 23 no.4;28-31 '64.

Fil'kov, N. I., and others. [Maintenance and repair of the VME1 diesel locomotive] Remont teplovoza VME1. *Moskva, Izd-vo "Transport," 1964* 136 p. (Bibliotechka slesaria po remontu teplovoza)

DIESEL LOCOMOTIVES—PERFORMANCE

Potentials for the increase of the operative efficiency of diesel locomotives. V. P. Kalinichev Zhel. dor. transp 46 no. 7;67-69 Jl '64.

DIESEL LOCOMOTIVES—TRANSMISSION DEVICES

Optimum control of the electrical transmission system of a diesel locomotive. IU. P. Petrov, Sbor. rab. po vop. elektromekh. no. 10,277-286 '63.

DIET

Content and methods of medical control of the nutrition of flying personnel. I. M. Buznik, Voen.-med. zhur. no. 1:64-70 '63.

DIET IN DISEASE

Change in proteins, proteids and aminotransferase activity in the blood serum of patients with chronic liver diseases under the influence of diet therapy. T. I. Loranskaia. Vop.pit. 22 no.3;8-13 My-Je '63.

Dynamics of changes in stomach peristalsis under the influence of diet therapy in patients with stomach and duodenal ulcer based on electrogastrographic data. V. A. Oleneva. Vop.pit. 22 no.3;14-19 My-Je '63.

Khodykin, A. V. [Therapeutic diet in atherosclerosis] Lechebnoe pitanie pri ateroskleroze. Izd. 2. Moskva, Meditsina, 1964. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

DIFFERENTIAL EQUATIONS

Approximate method of solving the Dirichlet problem, and estimates of the rate of convergence of solutions of difference equations to solutions of elliptic equations with discontinuous coefficients. V.IA Rivkind Vest. LGU 19 no 13;37-52 '64.

Approximation of a problem involving the analytic construction of regulators in a system with retarded argument. N. N. Krasovskii, Prikl. mat. i mekh. 28 no. 4. 716-724 Jl-Ag '64.

Aramanovich, I. G., and V. I. Levin. [Equations of mathematical physics] Uravneniia matematicheskoi fiziki. Moskva, Izd-vo "Nauka," 1964. 286 p (Izbrannye glavy vysshei matematiki dlia inzhenerov i studentov vtuzov).

Asymptotic behavior of certain classes of differential equations with a small parameter at a higher derivative A B.Vasil'eva, A.B.Zimin. Vest. Mosk un Ser. 1 Mat., mekh 19 no 4;21-29 Jl-Ag '64

Asymptotic expansion of exact solutions to certain classes of differential equations A. I IAblonskii. Dokl. AN BSSR 8 no 2;77-80 F '64.

Asymptotic properties of the trace of the spectral function of a self-adjoint elliptic differential operator of second order. A.A.Arsen'ev. Dokl. AN SSSR 157 no. 4 761-763 Ag '64

Behavior of spectral functions of differential systems with boundary conditions at a singular end point I. S Kats Dokl AN SSSR 157 no 1 34-37 Jl '64

Circular integral curves of the equation f(x, y, y') = 0 I.V.Zuev. Izv.vys.ucheb.zav.; mat no. 6:64-71 '63.

Coercitivity inequalities for abstract parabolic equations P. E Sobolevskii Dokl. AN SSSR 157 no 1 52-55 Jl '64

Comparison of periodic solutions to quasi-linear systems derived by the methods of Poincaré and Krylov-Bogoliubov. A. P. Proskuriakov. Prikl. mat. i mekh. 28 no. 4:765-770 Jl-Ag '64.

Conditions for the approximate realization of discrete processes V. S. Kim, Mat zap. Ural. mat. ob-va UrGU 1 no. 2;51-59 '63.

Criterion of the stability of Hill's equation. B N. Koziets. Vest. LGU 19 no. 13 18-24 '64.

Differential properties of the solution to a mixed problem for a degenerate hyperbolic equation. F.T Baranovskii Izv. vys. ucheb. zav.; mat. no. 6:14-24 '63.

Distinction between a center and a focus. I.S.Kukles, T.Nurov. Izv.vys.ucheb.zav., mat. no. 6:98-108 '63.

Existence of solutions to a system of external differential equations. V. V. Vasenin. Sib mat. zhur. 5 no. 4 774-777 Jl-Ag '64.

Fundamental equations of electrohydrodynamics for a laminar boundary layer and a laminar jet V O. Kas'ianov. Dop AN URSR no. 8;1026-1031 '64

Fundamental matrices of solutions to general 2b-parabolic and 2b-elliptic systems whose coefficients satisfy Holder's integral condition. M I Mattichuk. Dop. AN URSR no. 8;1010-1014 '64

Godunov, S. K. [Difference methods of solving gas dynamics equations, lectures for students of Novosibirsk State University] Raznostnye metody resheniia uravnenii gazovoi dinamiki; lektsii dlia studentov NGU. Novosibirsk, Novosibirskii gos. univ., 1962. 96 p.
[MICROFILM]

History of the differential equation of a water budget. A A. Sokolov Meteor i gidrol no 7 25-26 Jl '64

Holomorphic solutions to equations of the type $x^n \frac{dy}{dx} =$ B(x, y). E. I. Grudo. Dokl AN BSSR 8 no 2;81-84 F '64.

Hypoelliptic systems with variable coefficients. L. R. Volevich. Dokl. AN SSSR 156 no. 6;1262-1265 Je '64.

Lax's theorems for nonlinear evolutional equations. L. I. IAkut. Dokl. AN SSSR 156 no. 6;1304-1307 Je '64.

A method of base expansions. M. B. Kapilevich. Dokl. AN SSSR 157 no 1,30-33 Jl '64.

Mixed problem for general parabolic systems in a half-space. T. IA. Zagorskii. Dokl. AN SSSR 158 no. 1,37-40 S-O '64.

Optimum stabilization of nonlinear systems. E G. Al'brekht. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:7-14 '63.

Partial solution of equations in the theory of ideal plasticity in cylindrical coordinates. M. A Zadoian. Dokl. AN SSSR 157 no. 1;73-75 Jl '64.

Perturbation of solutions and perturbation of eigenvalues and eigenfunctions of elliptic second-order equations in the case of perturbation of the boundary. Lin' TSzun-chi [Lin-TSung-ch'ih]. Dokl. AN SSSR 157 no. 4;784-787 Ag '64.

Qualitative study of differential equations of flight by means of a solar sail. K.G.Valeev. PMTF no. 2;120-129 Mr-Ap '64.

Quasi-periodic solutions to differential equations. V. Kh Kharasakhal, Izv vys. ucheb. zav ; mat. no 2: 152-164 '64.

Rigorous estimation of the error in integrating differential equations by Stormer's method. L. IA. Adrianova. Vest. LGU 19 no. 13;5-17 '64.

Solution of a limiting boundary value problem for an equation derived in solving Stefan's generalized classical problem R D. Bachelis, V G. Malamed. Sib. mat. zhur 5 no. 4 738-745 Jl-Ag '64.

Solution of equations of the gravitational field by the "falling box" method M. M. Mirianashvili, M.S Gobedzhishvili Soob. AN Gruz. SSR 33 no. 3:543-548 Mr '64

Solution of the homogeneous transport equation E. Ismatov Izv. AN Uz SSR Ser fiz -mat nauk 7 no 5;54-57 '63

Some properties of solutions to nonlinear hyperbolic equations in Hilbert space. IA. D. Mamedov. Dokl. AN SSSR 158 no. 1 45 48 S-O '64.

Stability of trajectories V. S Zhivov. Izv vys ucheb. zav , mat no 2:79-81 '64

Stochastic differential equations in Hilbert space T. L. Chantladze. Soob. AN Gruz. SSR 33 no. 3 529-534 Mr '64.

Study of the stability of Bubnov - Galerkin's method for nonstationary problems M A Veliev Dokl AN SSSR 157 no 1 16-18 Jl '64

Studying the first phase of the radial flow of thinned oil by averaging the right sides of differential equations of motion G A Khalikov Izv vys ucheb zav , neft' i *gaz 5 no 10 41-45 '62*

Topological characteristics of the solutions to n-dimensional differential equations. A I. Perov. Dokl. AN SSSR 157 no. 4;791-794 Ag '64.

Undetermined and overdetermined systems of differential equations with constant coefficients. V. P. Palamodov. Dokl. AN SSSR 156 no. 6;1288-1291 Je '64.

Uniqueness of the generalized solution of the Cauchy problem for a hyperbolic system of two quasi-linear equations. N. N. Kuznetsov, TSi Chzhun-tao [Ch'i Chung-t'ao]. Vest. Mosk un Ser. 1: Mat., mekh 19 no. 4:3-6 Jl-Ag '64.

Use of the method of mirror images in the cathode protection of pipelines from corrosion. T V Kolesnyk. Dop. AN URSR no 8;995-1000 '64

DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

Boundary value problems for general linear parabolic systems V A Solonnikov Dokl AN SSSR 157 no. 1 56-59 Jl '64

Elliptic problems with nonuniform boundary conditions and a local increase of smoothness up to the boundary of generalized solutions. IA. A Roitberg Dokl. AN SSSR 157 no 4;798-801 Ag '64.

Mixed problem for an elliptic-parabolic equation Z G Ageeva. Mat. zap Ural mat ob-va UrGU 4 no 2;3-6 '63.

Relation between Runge-Kutta's method and that of Picard. V. M. Gur'ianov. Prikl. mat. i mekh. 28 no. 4:783-786 Jl-Ag '64.

Variational method for unbounded regions L. D Kudriavtsev Dokl AN SSSR 157 no 1 45-48 Jl '64

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

Numerical solution of parabolic equations. G I. Sulkhanishvili. Soob. AN Gruz SSR 33 no. 3;513-520 Mr '64.

DIFFERENTIAL EQUATIONS, LINEAR

Asymptotic solution of a system of linear differential equations. P. IA. Kirik. Sbor nauch. trud. KGRI no. 10: 400-406 '61.

Asymptotic solution of a system of linear differential equations in the case of multiple roots of a characteristic equation. N I. Shkil'. Izv vys ucheb zav ; mat no. 2;176-185 '64

Distribution of zeroes of the solutions to a linear differential equation. A. IU. Levin. Dokl. AN SSSR 156 no. 6;1281-1284 Je '64.

Stability of the null solution to a system of linear equations in the case of constant perturbations. L. V. Khokhlova. Vest. Mosk. un. Ser. 1; Mat., mekh. 19 no. 4;7-15 Jl-Ag '64.

Two theorems in the theory of linear homogeneous differential equations. F A. Mikhailov. Izv. vys ucheb zav. ; mat no. 2:120-126 '64

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFUSION

Activation energy and the mechanism of self diffusion of nickel. A. IA. Shiniaev. Trudy Inst. met. no. 14:78-85 '63.

Certain characteristics of diffusion processes in the formation of coatings by the condensation method. L. M Gert, A. A. Babad-Zakhriapin Fiz. met. i metalloved. 17;601-604 Ap '64.

Certain diffusion problems in anisotropic rocks. Z. G. Kaplan. Trudy VNIGRI no 228 208-223 '64.

Chemical interaction and electrodiffusion in liquid sodium alloys [with summary in English]. S. I. Drakin, T. N. Sergeeva, A. I. Trepakov. Zhur. fiz. khim. 38 no. 2; 321-324 F '64.

Contribution to the theory of nonstationary convective diffusion on a rotating disk electrode. V. IU. Filinovskii, V. A. Kiri'anov. Dokl. AN SSSR 156 no. 6;1412-1415 Je '64.

DIFFUSION (Continued)

Diffusion and thermodiffusion of carbon in 35KhF steel. N. A Zaitsev, M D. Smolin. Fiz. met. i metalloved 17 no. 4 607-609 Ap '64.

Effect of alloying on the diffusion of phosphorus in austenite V. V Mural', P L Gruzin Fiz. met i metalloved 17 no 5 792-795 My '64

Form changes of graphite in solid cast iron. F. N Tavadze, Sh. S. Katsitadze Trudy GPI [Gruz] no. 4.43-50 '62

Kinetics of alumina dissolution in molten fluorides. P. M. Shurygin, V. N. Boronenkov, V. I. Kriuk. Sbor. nauch. trud. Ural. politekh. inst. no. 126:80-85 '63.

Kinetics of the dissolution of alloying metals in liquid iron. P M. Shurygin, V. D Shantarin Izv AN SSSR Met. i gor. delo no. 2,38-40 Mr-Ap '64

Kinetics of the dissolution of metals. P. M. Shurygin, V. D. Shantarin. Sbor. nauch. trud. Ural. politekh. inst. no. 126:73-79 '63.

Reactive diffusion in the system molybdenum - beryllium. N. N. Matiushenko. Izv. AN SSSR. Met. i gor. delo no. 3 167-171 Mr-Ap '64.

Separation of a gaseous mixture by diffusion in the presence of dissociation. N. A. Anfimov. Dokl. AN SSSR 156 no. 6:1316-1319 Je '64.

State of radioisotopes in very thinly diluted solutions studied by the diffusion method. I. E. Starik, F. L Ginzburg, B. N. Raevskii. Dokl. AN SSSR 157 no. 4: 926-929 Ag '64

Theory of diffusion near the critical point. I. Z. Fisher Ukr. fiz. zhur. 9 no. 4:379-383 Ap '64.

Theory of establishment of diffusion potentials [with summary in English]. L. B. Dvorkin. Zhur. fiz. khim. 38 no. 2:266-270 F '64.

DIFFUSION—BOUNDARY VALUE PROBLEMS

Solution of a nonlinear diffusion equation. N. N. Kochina. Prikl. mat. i mekh. 28 no. 4:699-707 Jl-Ag '64.

DIFFUSION COATINGS

Investigating diffusion processes in brazing titanium with a rhenium coating. V. V. Bondarev, A. IA. Shiniaev. Trudy Inst. met. no. 14-88-89 '63.

Magnesium diffusion in iron-chromium and iron-manganese alloys E S Kartozia Trudy GPI [Gruz] no. 4 75 80 '62

Surface saturation by lithium of iron, cobalt, and nickel F N Tavadze, E. S Kartozia Trudy GPI [Gruz.] no 4 57-63 '62.

Use of oxide films to protect the surfaces of silicon electron-hole junctions produced by diffusion V. R Synorov, B L. Tolstykh, V. V Vasil'eva Izv. vys ucheb. zav , fiz no 4,61-67 '64.

DIGESTION

Digestion and metabolism in piglets using different kinds of food. S T. Akhverdian. Izv. AN Arm. SSR Biol. nauki 17 no. 2:69-76 F '64.

Studying the digestibility of feeds by the method of inert indicators. M. F. Tomme, R. V. Martynenko, A A. Demina. Trudy VIZH 25:146-164 '63

DIGESTIVE ORGANS—DISEASES

Kas'ianenko, I. V. [Diseases of the digestive organs in elderly persons] Bolezni organov pishchevareniia u lits pozhilogo vozrasta. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 35 p.
(DNLM)

DIGITAL INFORMATION TRANSMISSION

Use of D-type code rings in coding converters. G. F. IAnbykh. Izv. AN SSSR. Tekh. kib. no. 1:75-85 Ja-F '64.

DIKES (GEOLOGY) see subdivision under Azov Sea region

DILATOMETER

Differential highly sensitive dilatometer with heating in an inert atmosphere. A. K. Shurin. Sbor. nauch. rab. Inst. metallofiz. AN URSR no 18:222-225 '64.

DILATOMETRY

Changes of volume and thermal effect during the heating of deformed metals. L N. Larikov Sbor. nauch. rab Inst. metallofiz. AN URSR no. 18:35-39 '64.

Dilatometric method for analyzing the processes taking place in the charge during heating O O Alent'ev, O. A M'iasnikov. Khim prom. [Ukr] no. 3:28-29 Jl-S '63.

Flow stress and dilatometry of potassium nitrate. L. A. Leskovich, B. N. Egorov, V. P. Salatin. Zhur. fiz. khim. 36 no. 3:521-525 Mr '62.

DIMORPHISM (PLANTS)

Sexual dimorphism and pollination in Schisandra chinensis. L. M. Shilova. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5:267-270 '63.

DIODES

Inverted diodes. L. A. Logunov, N. K. Rudneva, E. B. Cherniak. Radiotekh. i elektron. 9 no. 7:1258-1269 Jl '64.

Theory of a diode filled with a rarefied plasma. F. G. Baksht. Zhur. tekh. fiz. 34 no. 5:926-939 My '64.

DIODES, SEMICONDUCTOR

Inductance of a semiconductor diode in pulsed operation. N. A. Brynskikh. Izv. AN Uz. SSR. Ser. fiz. -mat. nauk 7 no. 5:56-62 '63.

Relaxation of reverse currents in germanium and silicon p-n-junctions. V. I. Gaman. Izv vys. ucheb. zav , fiz. no. 1:139-142 '64

Some investigations of the straight branch of the volt-ampere characteristics of diodes with antiblocking tail-end contacts. D. A Aronov Izv AN Uz SSR Ser fiz. -mat nauk 7 no 5:71-76 '63.

DIPHENHYDRAMINE

Effect of some vasodilating and desensitizing preparations on vessels of the isolated rabbit ear under normal conditions and in sensitization. L. D. Derevianko. Farm. i toks. 26 no. 5 611-615 S-O '63.

DIPHENIC ACID

Production of some esters of diphenic acid, their properties and spectral characteristics. B I. IUdkin, L P. Kulev, IU. M. Shchekochikhin Izv Sib otd AN SSSR no 12 134-137 '62

DIPHTHERIA

Diagnostic errors in diphtheria of the pharynx. M. Li, E. F. Ropsh, A. M. Shcherbakova. Trudy Tadzh. med. inst. 50:197-199 '61.

Electrophoresis of sarcoplasmic proteins in the rabbit myocardium under normal conditions and in experimental diphtheria intoxication. E. A. Mishukova, L. O. Ter-Sakisian. Vop. med. khim. 9 no. 2 204-206 Mr-Ap '63.

DIPHTHERIA—MICROBIOLOGY

Comparative evaluation of some methods for the isolation of diphtheria bacteria during their aerosolization, annotation. V. I. Trifonov Lab delo no 7 399 '64

Study of diphtheria microbes on Sadykova-Kravchenko's modified medium, annotation N. IA Deguar'. Lab delo no 7 398-399 '64.

DIPHTHERIA—PREVENTIVE INOCULATION

Clinical and electrocardiographic studies and some biochemical data in hyperimmunization of horses by tetanic and diphtherial antigens. K. R Korchilava. Soob. AN Gruz. SSR 33 no. 3:701-706 Mr '64.

DIPLOMATIC AND CONSULAR SERVICE

"History of diplomacy " Vols. 1 and 2 Reviewed by E IU. Bogush, A L Narochnitskii. Vop ist 39 no 7 122-128 Jl '64

DIPLOMATIC AND CONSULAR SERVICE—REGISTERS, LISTS, ETC.

[The diplomatic corps in Moscow] Diplomaticheskii korpus v Moskve. [n. p.] M-vo inostr. del SSSR, Iiul' 1964. 170 p.

DIRECT CURRENT MACHINERY see Electric motors, Direct current

DISABILITY EVALUATION

(see also subdivision under Bobrov District; Leningrad)

Incidence of disease among the workers of a chemical combine causing a temporary loss of their working capacity M. P. Kotel'nikova. Zdrav Ros Feder. 8 no 1:22-25 Ja '64.

Respublikanskaia nauchno-prakticheskaia konferentsiia po vrachebno-trudovoi ekspertize, 1st, 1959. [Important problems of the medical expertise of the capacity for work, transactions] Aktual'nye voprosy vrachebno-trudovoi ekspertizy; trudy. Kiev, Gosmedizdat USSR, 1962. 134 p.

DISARMAMENT

Disarmament and the problem of establishing an international armed force. E. S Krivchikova, V I Menzhinskii. Uch zap IMO no. 16:76-126 '63.

Increase the fund of confidence. Nov vrem. 22 no 32-1 Ag '64

DISARMAMENT—CONGRESSES

When will there be results. Kommentator. Mezhdunar. zhizn' 11 no. 9:71-75 S '64.

DISEASES—REPORTING see subdivision under Leningrad

DISINFECTION AND DISINFECTANTS

(see also subdivision under Leningrad)

Equipment for the disinfection of sea water. M. P. Sokolov. Voen. -med. zhur. no. 1:91-92 '63.

DISKS, ROTATING

Calculating bending stresses in nonuniformly heated rotating disks. Z. S. Pallei Izv vys. ucheb zav., av. tekh. 6 no 4:126-131 '63.

Investigating stress concentration in rotating disks beyond elastic limit. I. A. Kozlov, V G. Bazhenov. Vest mashinostr. 43 no. 12:15-17 D '63.

DISLOCATIONS IN CRYSTALS

Camera for X-ray photographing of dislocations in large crystals. V. F. Miuskov. Kristallografiia 8 no. 2:255-256 Mr-Ap '63

Effect of annealing on the density of linear dislocations in silicon. M. S. Saidov, Zh. A. Kalendareva. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 7 no. 5:51-53 '63.

Electric field of edge dislocations in metals and semiconductors P. F. Kromer. Izv. AN Uz. SSR. Ser fiz -mat. nauk 7 no 5:63-70 '63.

Multiplication of dislocations in alkali halide crystals under the action of high-frequency vibration E P Belozerova, N A Tiapunina, -. G. Shvidkovskii Kristallografiia 8 no 2 232-237 Mr-Ap '63

Use of electron diffraction microscopy methods in measuring the flexure of ribbon-shaped crystals caused by axial dislocations. V. N. Rozhanskii, G. V. Berezhkova. Dokl. AN SSSR 156 no. 6:1339-1340 Je '64

DISLOCATIONS IN METALS

Changes of dislocation density during the annealing of deformed metal. I. IA. Dekhtiar, V. V Polotniuk. Sbor nauch rab Inst metallofiz. AN URSR no. 18 32-34 '64.

Conditions of the start of flow and the failure of iron A S Drachinskii, V. F. Moiseev, V I Trefilov Sbor nauch. rab Inst. metallofiz. AN URSR no 18 18-21 '64.

Movement of dislocations in a deformed molybdenum crystal IU I Demkin Fiz met i metalloved 17 no 5 768-769 My '64

Temperature dependence of impurity concentration in Suzuki atmospheres in a number of solid solutions. E. F. Dudarev, V. E. Panin, N. V. Nikitina. Fiz. met. i metalloved. 17 no. 6:924-930 Je '64.

Theory of the hardening of ordered solid solutions. L. E Popov, E V Kozlov Fiz. met i metalloved 17 no 5 755-759 My '64

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERS OF PERCEPTION see Perception, Disorders of

DISORDERS OF SPEECH see Speech, Disorders of

DISPLAY TECHNIQUES see Museum techniques

DISSERTATIONS, ACADEMIC

Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scholarly research on the history of the party. Vop. ist. KPSS 8 no. 9:157-158 S '64.

Subjects of doctoral dissertations supervised and approved by local soviets on the coordination of scientific research on the history of the party. Vop. ist. KPSS 8 no. 8:157-158 Ag '64.

DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

DISSOCIATION

Determination of the dissociation energy of metal halides based on a study of the equilibrium of reactions in flames Part I Dissociation energy of BaF L. V. Gurvich, V G. Riabova. Teplofiz. vys temp 2 no. 3 401-405 My-Je '64

Dissociation cross sections of ions from propane colliding with neon atoms. S. E. Kuprilanov, A. A. Perov. Zhur. tekh. fiz. 34 no. 7:1317-1320 Jl '64.

Dissociation of doubly charged ions. Dissociation of CO^{++} ions. S. E. Kuprilanov. Zhur. tekh. fiz. 34 no 5: 861-867 My '64.

Effect of acid solvents on the dissociation of electrolytes. A. M. Shkodin. Zhur. fiz. khim. 36 no. 3:595-598 Mr '62.

Mechanical and chemical dissociation of liquids on freshly formed surfaces of solids G. S. Khodakov. Dokl. AN SSSR 156 no. 6:1418-1419 Je '64.

Photodissociation of oxygen in front of a shock wave in the air L M Biberman, V. G Sevast'ianenko, I. T. IAkubov. Teplofiz. vys. temp. 2 no 3 333-336 My-Je '64.

Photosensitized decomposition of saturated hydrocarbons and alcohols in the solid phase. N. N. Bubnov, N. M. Bazhin, V. V. Voevodskii. Kin. i kat. 5 no. 2:357 Mr-Ap '64.

Process of thermal dissociation of iron vitriol. S. N. Ganz, A. I. Luk'ianitsa, R. I. Braginskaia. Trudy DKhTI no. 16: 221-224 '62.

Separation of a gaseous mixture by diffusion in the presence of dissociations. N. A. Anfimov. Dokl. AN SSSR 156 no. 6:1316-1319 Je '64.

DISTANCES—MEASUREMENT

Theory of the generalization of symmetrical parallactic schemes of indirect range-finding methods. O S. Makar. Dop. AN URSR no. 8:1054-1059 '64.

DISTILLATION

Calculating the conditions for the minimal reflux for separating triple mixtures. S. A. Bagaturov Izv. vys ucheb zav , neft' i gaz 5 no. 10.115-110 '62

Low-molecular C_1-C_4 fatty acids separated from the waste waters from the manufacture of synthetic fatty acids. V. A. Sheratneva, L. I. Gushchina, P. N. Miloserdov. Masl. -zhir. prom. 30 no. 7:36-37 Jl '64.

DISTILLATION, DESTRUCTIVE

Oxidizing cracking as a method of processing low and medium temperature tars from solid fuel. Z. M. Rybalko. Trudy DVFAN SSSR. Ser. khim no. 6:83-89 '62.

Oxidizing cracking of phenols of generator tar from Lipovets run-of-mine coal of the Upper Suifun Basin. Z. M. Rybalko. Trudy DVFAN SSSR. Ser khim. no. 6: 90-92 '62.

DISTILLATION, FRACTIONAL

New form of concentration-lines equations for rectification columns. E. K. Kanashkin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:65-71 '63.

DISTILLATION APPARATUS—TESTING

Dynamic characteristics of a distillation unit for the production of soda studied as an object for the regulation of the thermal and concentration conditions V I Petrashkov, H. A. Tkach. Khim prom [Ukr] no 3: 51-60 Jl-S '63

DISTILLED WATER see Water, Distilled

DISTILLING INDUSTRIES—BY-PRODUCTS

Fattening castrated bull calves on distiller's grains. B D Atnabaev. Trudy Kostr sel'khoz inst "Kar." no. 3 174-178 '63

DISTRIBUTED AMPLIFIERS

Methods for increasing the stability, and improving the energy parameters of distributed amplifiers. V. M. Geller, M. E. Slenderzon. Izv. SO AN SSSR no. 2 Ser. tekh nauk no. 1:63-68 '64

DISTRIBUTIVE EDUCATION
(see also subdivision under Chernigov; Rostov Province)

What a salesclerk must know. I. Stoliar. Sov. potreb. koop. 8 no. 5:36-37 My '64.

DISULFIDE GROUP

Properties of SH-and S-S groups and causes of changed reactivity of these groups in proteins. IU. M. Torchinskii. Usp. sovr. biol. 55 no. 2:161-181 Mr-Ap '63.

DITHIONITES

Effect of chloroprene on the formation of hyposulfite from cystine, cysteine, sulfide, and sulfite in the presence of pyridoxal coenzyme system. G. V. Matinian. Izv. AN Arm. SSR. Biol. nauki 17 no. 2:39-46 F '64.

DITILIN

Use of lysthenon in tracheal intubation. G. P. Buschidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11: 53-55 '63.

DIURETICS AND DIURESIS

Effect of mercury-free diuretics on tissue respiration in vitro and oxidative phosphorylation of isolated liver mitochrondria. E. Geres. Farm. i toks. 26 no. 2: 192-197 Mr-Ap '63.

Evaluation of the role of the filtrative and reabsorptive mechanism in changes in the course of diuresis. IA. N. Vorobeichik. Lab. delo no 7 418-420 '64.

DIVING, SUBMARINE see subdivision under Klaipeda; Ladoga, Lake

DIVISION OF LABOR
(see also subdivision under Europe, Eastern)

Discussion of the division of labor and the all-around development of personality. Vop. filos. 18 no 6:130-144 '64

DNEPRODZERZHINSK—COKE INDUSTRY WORKERS—EDUCATION AND TRAINING

Communist labor schools. B. Vladimirskii Sov profsoiuzy 20 no 14,38 Jl '64.

DNEPRODZERZHINSK—TECHNOLOGY—INFORMATION SERVICES

Power of an active propagation of technical information. G. Anzhmirov, I. Vinnik. NTO 6 no. 6:26-28 Je '64.

DNEPROPETROVSK—DRUGSTORES

Improving the quality of the preparation of drugs and pharmacy services for the population. IE. P. TSukur. Farmatsev. zhur. 18 no. 5:72-74 '63.

DNEPROPETROVSK—FACTORIES—DESIGN AND CONSTRUCTION

On a durable foundation. D. Markin. NTO 6 no. 6: 47-49 Je '64.

DNEPROPETROVSK—PAINT INDUSTRY

Guarding the law. B. Chechik. Sov. profsoiuzy 20 no. 16: 29 Ag '64.

DNEPROPETROVSK—RAILROADS—SIGNALING

Green light is open into the future. A. Drabkin. NTO 5 no. 12:20-31 D '63.

DNEPROPETROVSK PROVINCE—STATE FARMS—PRODUCTION STANDARDS

Thinking about the main problem. A. Zhukov. NTO 6 no. 5:5-8 My '64.

DNIEPER-DONETS LOWLAND—GAS, NATURAL—GEOLOGY

Classes of reservoir rocks found in certain fields in the southwestern sector of the Dnieper-Donets Lowland. I. A. Mukharinskaia. Trudy VNIIGAZ no. 20/28:224-227 '64.

DNIEPER-DONETS LOWLAND—OIL SANDS

Classes of reservoir rocks found in certain fields in the southwestern sector of the Dnieper-Donets Lowland. I. A. Mukharinskaia. Trudy VNIIGAZ no. 20/28:224-227 '64.

DNIEPER-DONETS LOWLAND—PETROLEUM GEOLOGY

Genetic types of local uplifts in the northwestern sector of the Dnieper-Donets Lowland. V M. Smelianskii. Neftegaz. geol. i geofiz no 6 13-22 '64.

DNIEPER-DONETS LOWLAND—ROCKS—CLASSIFICATION AND NOMENCLATURE

Classes of reservoir rocks found in certain fields in the southwestern sector of the Dnieper-Donets Lowland. I. A. Mukharinskaia. Trudy VNIIGAZ no. 20/28:224-227 '64.

DNIEPER-DONETS LOWLAND—SEISMIC PROSPECTING

Determining the dislocations with a break in continuity and their age from seismic prospecting data R. I. Andreev. Geol nefti i gaza 8 no 8:54-57 Ag '64.

DNIEPER VALLEY—GEOLOGY

New conceptions of the Pre-Cambrian formation of the Ukrainian Shield. IA. N. Belevtsev, A. K. Pruss. Trudy Lab. geol. dokem. no. 19:81-91 '64.

DNIEPER VALLEY—GEOLOGY, STRUCTURAL

Recent tectonics of the upper Dniester Valley. I. D Gofshtein. Biul. Kom. chetv. per. no. 29:81-89 '64.

DNIEPER VALLEY—GEOMORPHOLOGY

New data on the geomorphology of the Dnieper Valley between Dorogobuzh and Orsha V A. Isachenkov. Izv AN SSSR. Ser geog. no 4:114-119 '64

DNIEPER VALLEY—NEPHELINE SYENITE

Nepheline syenite in the middle Dnieper Valley and the region of the Sea of Azov. I. D. TSarovskii. Trudy Lab. geol. dokem. no. 19:272-276 '64.

DNO (PSKOV PROVINCE)—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Masolov, N. V. [True story of Dno] Dnovskaia byl'. Moskva, Politizdat, 1964. 85 p. (Geroi i podvigi)

DOBRUJA—CAVES

"La Adam" Paleolithic caves in the Dobruja. P. Samson, K. Radulesku. Biul. Kom. chetv. per. no. 29:156-164 '64.

DOCUMENTARY FILMS see Motion pictures, Documentary

DODDER

Parasitism degree of dodders and the classification of parasitism of flowering plants. O. B. Natal'ina. Nauch. dokl. vys. shkoly; biol. nauki no. 3:99-102 '64.

DODECANE

Catalytic conversion of spiro-(5, 6)-dodecane on a platinum catalyst. N. V. Elagina and others. Neftekhimiia 4 no. 2:241-245 Mr-Ap '64.

DOLOMITE
(see also subdivision under Chusovoy region, Perm Province; White Russia)

Briquetting loess dolomite charges in the production of mineral wool. V. N. Kovalenko, O A. Mikhailiants. Sbor. nauch. trud. NII po stroi. ASIA no. 4:84-91 '63

Dolomite strip mine in Krivoy Rog Basin. Z. B Povzner and others Sbor. nauch trud. KGRI no 15 86-89 '63

DOMAIN STRUCTURE

Domain structure of natural pyrrhotite. M. A. Grabovskii, O. N. Zherdenko. Izv. vys. ucheb. zav.; fiz. no. 4:27-34 '64.

DOMESTIC ANIMALS—DISEASES AND PESTS

First aid and prevention of dewclaw diseases in farm animals on animal farms. M. I. Gasanov, M. A Fel'dshtein, S. N. Mart'ianov. Dokl. AN Azerb. SSR 19 no. 3: 71-73 '63.

DON DELTA—PARASITES—BREAM

Dynamics of the parasite fauna of young bream and pike perch on fish spawning and rearing farms of the Don Delta. A. D. Kamyshina. Trudy AzNIIRKH no. 6:229-239 '63.

DON DELTA—PARASITES—PIKE PERCH

Dynamics of the parasite fauna of young bream and pike perch on fish spawning and rearing farms of the Don Delta. A. D. Kamyshina. Trudy AzNIIRKH no. 6:229-239 '63

DON RIVER—PHYTOPLANKTON

Materials on the phytoplankton of the lower Don River and adjacent bodies of water E. I. Aksenova. Trudy AzNIIRKH no. 6:43-61 '63

DON RIVER—WATER—COMPOSITION

Flow of biogenic elements in the Don River. I. K. Shelomov, E. V. Sokolova, S. I Ivchenko. Trudy AzNIIRKH no. 6:7-16 '63.

DON VALLEY—ANTIQUITIES

[illegible] north- [illegible] atigraphic [illegible] per.

DON VALLEY—COCKCHAFERS

Some characteristics of the ecology of the field May bettle on sands of the middle Don Valley G G Garazo. Nauch dokl vys shkoly, biol nauki no 3 13-18 '64

DON VALLEY—FISH CULTURE

Evalutation of the effectiveness of commercial cultivation of young Don pike perch and bream F. G Boiko, E V Makarov Trudy AzNIIRKH no 6 253-281 '63

DON VALLEY—GEOLOGY, STRATIGRAPHIC

Paleolithic monuments of the lower Don and the northeastern region of the Sea of Azov and their stratigraphic significance. N. D. Praslov. Biul. Kom. chetv. per. no. 29:51-66 '64.

DON VALLEY—PETROLEUM GEOLOGY—MAPS

Geological maps of the horizontal shears in the region of the Chir-Don dislocations V A Dolitskii and others Izv vys ucheb zav, neft' i gaz 5 no 10 11-14 '62

DON VALLEY—PINE

Pine stands planted in clusters on the sands in the Don Valley. K. A. Lashkevich. Izv vys. ucheb. zav., les. zhur. 6 no 3:22-25 '63.

DON VALLEY—SUSLIKS

Present range boundary of the lesser suslik between the Don and Donets Rivers. V V Gruzdev. Nauch dokl. vys shkoly; biol. nauki no 3:35-39 '64

DONETS BASIN—COAL MINES AND MINING

Graphic distribution of displacements and deformations of the earth's surface above mine workings in the Donets Basin A. N Mediantsev, M A Iofis, A I. Mazurova. [Trudy] VNIMI no. 47:140-154 '62.

Increasing the stability of major workings in deep mines of the central region of the Donets Basin S. M Ostrovskii, E V Petrenko. Ugol' Ukr 7 no 12 11-13 D '63

Mining coal seams under Donetsk. M. A Iofis. [Trudy] VNIMI no. 47:155-158 '62.

Mining systems and their efficiency in the Pervomayskiyugol' Trust mines. P. A. Tishkov Ugol' Ukr 7 no. 9:10-13 S '63

Organizing operations in a southern Donets Basin coal deposit P. A. Timofeev Ugol' Ukr. 7 no 12 4-5 D '63.

Prospects for the further development of Mine No. 4-2a of the Kadievugol' Trust. IU N. Markovskii. Ugol' 39 no. 5:33-34 My '64.

Rapid mining in mines of the Pervomayskiyugol' Trust. N. A. Shal'nov, IU. F. Savenko. Ugol' 39 no. 5:27-28 My '64.

Readers' response to the article by I S. Dudko and A. S. Ivanov "New method of wide face mining at the No 1 "Kolosnikovskaia" Mine " I. S. Graukin and others. Ugol' Ukr. 7 no. 9 53 S '63

Size of barrier pillars in steeply pitching seams of the Donets Basin. N. N. Katsnel'son, B. IA. Gvirtsman. [Trudy] VNIMI no. 47:125-139 '62.

DONETS BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Economic efficiency of complex mechanization and automation of the "Novo-Pavlovskaia" Mine. V. A. Vikhtinskii, N. I. Ivanov, N A Norenko. Ugol' Ukr. 7 no. 12,36-41 D '63.

DONETS BASIN—HYDRAULIC CONVEYING

Increasing the safety of hydraulic conveying at the Yanovskiy Hydraulic Mine P. I. Karlin, L E Balter Ugol' Ukr 7 no 12:18-21 D '63.

DONETS BASIN—MERCURY ORES

Role of transverse folds in the distribution of mercury mineralization in the Donets Basin. I. L Nikol'skii. Dokl. AN SSSR 158 no. 1 102-103 S-O '64

DONETS BASIN—MINE BUILDINGS

Design of an experimental administration and general services combine for the Bystriansk Hydraulic Mine E G Venitchenko. Adm.-byt komb ugol' shakht no 5: 52-58 '62

DONETS BASIN—MINE DUSTS

Complex dust suppression in mine No 4/21 of the Petrovskugol' Trust L P. Borodin Ugol' Ukr 7 no 9 45-46 S '63

DONETS BASIN—MINE FILLING—EQUIPMENT AND SUPPLIES

Increasing the supply of materials and equipment for mine filling in the Donets Basin with the use of hydraulic and pneumatic transportation A. E Smoldyrev. Ugol' Ukr. 7 no 12 24-26 D '63

DONETS BASIN—MINE GASES—SAFETY MEASURES

Karagodin, L. N. [Complex of measures for controlling sudden outbursts in the lavas of gently sloping beds] Kompleks meropriiatii po bor'be s vybrosami v lavakh pologikh plastov. Moskva, Nedra, 1964. 73 p.

DONETS BASIN—MINE ROOF BOLTING

Roof control during mining of steep seams with shield units in the central Donets Basin region. D. E. Makhno. Zap. LGI 48 no. 1:73-79 '63.

DONETS PROVINCE—DRUGSTORES

Introducing new methods in pharmaceutic institutions of the Donets Province M. F. Ivanyts'ka Farmatsev zhur 18 no. 5:74-80 '63

DONETS PROVINCE—URETHRA—CANCER

Tumors of the female urethra, data from the Donets Province Oncological Dispensary. A.E.Kushelev. Vop. onk. 10 no. 3:58-62 '64.

DONETS PROVINCE—WOMEN—DISEASES

Tumors of the female urethra; data from the Donets Province Oncological Dispensary. A.E.Kushelev. Vop. onk. 10 no. 3:58-62 '64.

DONETS VALLEY—SUSLIKS

Present range boundary of the lesser suslik between the Don and Donets Rivers. V V Gruzdev Nauch. dokl vys shkoly; biol. nauki no 3:35-39 '64.

DONETSK PROVINCE—ACCOUNTING

Control of presentation of reports on time. A. Khristovoi Vest stat no 8 52 '64

DONETSK PROVINCE—CHEMICAL INDUSTRIES

In the front line of the struggle for large-scale chemistry V. Degtiarev. Komm. Ukr. 39 no. 3:14-19 Mr '64.

ONETSK PROVINCE—METEOROLOGY, AGRICULTURAL

Ukraine. Upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatological manual for Stalino Province] Agroklimaticheskii spravochnik po Stalinskoi oblasti. Leningrad, Gidrometeoizdat, 1959. 101 p.
(DNAL)

ONETSK PROVINCE—TECHNICAL EDUCATION

Let's train the active builders of communism. A. Valuiskii. Sred. spets. obr. 11 no. 6:52-53 Je '64.

OUBLE INTEGRALS see Integrals, Multiple

RAINAGE see subdivision under Kura Lowland

RAINAGE, HOUSE

ussia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing interior drains for buildings] Ukazaniia po proektirovaniiu vnutrennikh vodostokov zdanii (SN 264-63) Moskva, Stroiizdat, 1964. 41 p.

AMATISTS

Correspondence acquaintance. Teatr 24 no. 8:76-77 Ag '63.

AWING—INSTRUCTION

rawing. G. V. Labunskaia, E. E. Rozhkova. Nach. shkola 32 no. 8:34-42 Ag '64.

rawing plants and insects. S. A. Fedorov Nach. shkola 32 no. 7:42-45 Jl '64.

AWING (METALWORK)

etermining power conditions in the drawing of metals. P S. Dobordzhginidze. Trudy GPI (Gruz.) no. 4:199-205 '62

EAMS

fect of ethyl alcohol on the structure and content of reams in chronic alcoholism and acute alcoholic sychoses. R. Kh. Gazin. Trudy Gos. nauch.-issl. inst. stikh. 40:100-108 '63.

DREDGING MACHINERY

Russia (1923- U. S. S. R.) Ministerstvo transportnogo stroitel'stva Upravlenie kadrov i uchebnykh zavedenii. Uchebno-metodicheskii kabinet. [Conspectus on the subject "Equipment for hydromechanization in the manufacture of machinery for electric and diesel hydraulic suction dredges in the technical schools of the Ministry of Transportation Construction"] Konspekt po predmetu "Oborudovanie gidromekhanizatsii dlia podgotokvi mashinistov elektricheskikh i dizel'nykh zemlesosnykh snariadov v tekhnicheskikh shkolakh Mintransstroi." [Vel'sk] Orgtransstroi, 1958. 95 p.
[MICROFILM]

Sinking wells in compact clay ground. V. F. Solokhin. Transp. stroi. 13 no. 10:13-14 O '63.

DREDGING MACHINERY—ELECTRIC DRIVING

Efficient electric drive systems for the bucket mechanism and head winches of a chain and bucket dredge. I P. Petrov, G A. Fagautinov. Izv. vys ucheb zav; gor. zhur 7 no. 3:139-147 '64.

DREDGING MACHINERY—TESTING

Effect of solid-fluid mixtures on changes in the characteristics of suction dredges T I Mel'nikov Izv vys ucheb zav, gor. zhur. 7 no. 3:111-117 '64

DRIFTING ICE STATIONS see subdivision under Arctic regions

DRILLING AND BORING

Increasing the productivity in boring holes A I Paraskov, Trudy Ural politekh inst no. 128:14-52 '63.

Relationship between the dimensional wear of cutting tools and the diameter of boring. A. D Makarov, R. A. Tamtarov, Stan. i instr. 35 no. 6:28-29 Je '64

DRILLING AND BORING MACHINERY

Boring bars for fine boring machines M. IA. Pal'tanker and others. Mashinostroitel' no. 7:23 Jl '64

DRILLING FLUIDS

Experimental study of the vacuum degassing of muds. A. I. Berezhnoi, N. I. Degtev. Gaz. prom 7 no. 3:11-15 '62.

New books. Gaz prom. 9 no. 4:47 '64.

DRILLING RIGS, OIL WELL see Oil well drilling rigs

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DRUGS

New drugs. I. M. Kravchenko. Farmatsev. zhur. 18 no. 5:83 '63.

New medical remedies. Farmatsev. zhur 16 no. 1 79-85 '61

Review of H. P. Pivnenko's book "Pharmaceutical technology of drugs." H A. Vaisman. Farmatsev. zhur. 18 no 5:92 '63.

Review of H. P. Pivnenko's book "Pharmaceutical technology of drugs." S S. Liashenko. Farmatsev. zhur. 18 no. 5:93 '63.

DRUGS—ADULTERATION AND ANALYSIS

New qualitative reaction for dicaine P D. Shvartsman. Farmatsev zhur 16 no. 1 64 '61.

Using vanadometry to determine organic pharmaceutical preparations Report No. 2 Z I IEr'omina, V H. Hurevych. Farmatsev zhur 16 no 1 13-18 '61

DRUGS—PHYSIOLOGICAL EFFECT

Characteristics of the action of drugs in acute radiation sickness, a review of the literature. P. P. Saksonov and others. Voen.-med. zhur. no. 1:44-50 '63.

Effect of some drugs used in the treatment of headache in hypertensive patients on the tone of cerebral vessels, experimental studies. T. IU. Liberman. Farm. i toks. 26 no. 5.573-578 S-O '63.

DRUGS—SIDE EFFECTS

Lyell's syndrome. I. S. Popov, E. M. Turytsina, Z. S. Bondar'. Vest. derm. i ven. 38 no. 1:26-29 Ja '64.

DRUGSTORES see subdivision under Dnepropetrovsk; Donets Province; Gorlovka (Donetsk Province); Kupyansk (Kharkov Province); Kurakhovo (Donetsk Province); Lugansk; Ukraine; Ukraine, Western; Zaporozh'ye

DRUNKENNESS (CRIMINAL LAW)

Foundations of criminal liability and criminal punishment for acts committed in a state of intoxication. V. G. Smirnov Vest. LGU 19 no. 11:130-135 '64.

DRYING APPARATUS

Automatic process of drying miners' work clothes. A. P. Urazov. Adm.-byt. komb. ugol'. shakht no. 5:76-80 '62.

Drying colored hardware through gas heating. G. F. Degtev, B. V. Savich. Gaz. prom. 7 no. 3:33-35 '62.

New variation of the J-d diagram for wet air. V K. Korolev. Trudy VZEI no. 20.62-75 '62.

Put automation into the process of drying and dust removal from miners' clothing. L. B. Stanislavskii, S A. Denisenko. Adm.-byt. komb. ugol'. shakht no. 5:74-76 '62.

Romankov, P. G., and N. B. Rashkovskaia. [Fluidized bed drying, theory, design and calculations] Sushka v kipiashchem sloe; teoriia, konstruktsii, raschet. Leningrad, Izd-vo "Khimiia," 1964. 287 p.

Voznesenskii, A. A. [Heating equipment in the production of building materials and wares] Teplovye ustanovki v proizvodstve stroitel'nykh materialov i izdelii. Izd. 2., perer. Moskva, Stroiizdat, 1964. 438 p.

DUBNA—NUCLEAR RESEARCH

Readers' conference in Dubna I I. Loganov. Vop. filos 18 no 7 153-154 '64

DULEBINO (MOSCOW PROVINCE)—RURAL LIBRARIES

In the Dulebino library. V. Mukhin. Part. zhizn' no. 12: 50-51 Je '64.

DULOV, VSEVOLOD IVANOVICH, d. 1964

Vsevolod Ivanovich Dulov; obituary. Vop. ist 39 no. 7: 217 Jl '64

DUODENUM

Duodenal function in mechanical stimulation of the stomach in peptic ulcer. R. P. Makos'. Fiziol. zhur. 10 no. 1:131-134 '64.

Technique of determining lipase in the pancreatic juice and duodenal contents. G. K. Shlygin, L. S. Fomina, Z. M. Pavlova. Vop. med. khim. 9 no. 2:197-200 Mr-Ap '63.

DUODENUM—CANCER

X-ray diagnosis of duodenal cancer. V. A. Fanardzhian, Gr. A. Danielian. Vop. rent. i onk. 7.17-27 '63.

DUODENUM—RADIOGRAPHY

Some problems in the X-ray diagnosis of duodenal ulcer V. A. Fanardzhian. Vop. rent. i onk. 7.7-16 '63.

X-ray diagnosis of duodenal cancer. V. A. Fanardzhian, Gr. A Danielian. Vop. rent i onk. 7 17-27 '63.

DUODENUM—ULCERS

Some problems in the X-ray diagnosis of duodenal ulcer V. A. Fanardzhian. Vop. rent. i onk. 7 7-16 '63

DURALUMIN—TESTING

Upsetting solids of a prismatic shape with plastic, yielding interlayers. L. N. Moguchii. Trudy Inst. met. no. 14:101-107 '63.

DUSHANBE—CHILDREN—DISEASES

Excessive diagnosis of rheumatic fever in children. A. A. Tiuriaeva, O. V. Perevozchikova. Trudy Tadzh. med. inst. 50:187-190 '61.

DUSHANBE—CHILDREN—NUTRITION

Composition of food rations in preschool children's institutions in Dushanbe. N. V. Kuznetsova. Trudy Tadzh. med. inst. 50:167-173 '61.

DUSHANBE—INFANTS (NEWBORN)

Weight of newborn infants in geographical areas with a dry subtropical climate. B. L. Gurtovoi. Trudy Tadzh. med. inst. 50:35-42 '61.

DUSHANBE—ORTHOPEDIA

Results of orthopedic examination of school children in Dushanbe. E. G. Lokshina, B. L. Zhukov. Trudy Tadzh. med. inst. 50:159-162 '61.

DUSHANBE—PERIARTERITIS NODOSA

Periarteritis nodosa among children of Dushanbe. G. E. Levina. Trudy Tadzh. med. inst. 50:87-96 '61.

DUSHANBE—PNEUMONIA

Seasonal factors of the course of pneumonia in young children in Dushanbe. O. Bukhman. Trudy Tadzh. med. inst. 50:200-202 '61.

DUSHANBE—RHEUMATIC FEVER

Occurrence of rheumatic fever among children in the schools and kindergartens in Dushanbe. A. A. Tiuriaeva. Trudy Tadzh. med. inst. 50:77-83 '61.

Rheumatic fever in children in Dushanbe. A. A. Tiuriaeva. Trudy Tadzh. med. inst. 50:72-76 '61.

DUST—PHYSIOLOGICAL EFFECT

Afanas'eva, L. V. [Industrial dust and its hygienic significance] Promyshlennaia pyl' i ee gigienicheskoe znachenie. Pod red. A. S. Arkhipova. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 23 p.
[DNLM MICROFILM]

Study of the dust factor in the founding departments of six Krasnodar plants. V. F. Rukavtsova and others. Nauch. trudy Kub. gos. med. inst. 19:63-76 '62

DUTY

The good, duty, and conscience. L. M. Arkhangel'skii Vop. filos. 18 no. 6:69-79 '64

DYES AND DYEING

Derivatives of acylacetic esters of the heterocyclic series. Part 5: Synthesis of isonicotinoyl ester, arylides, and azomethine dyes produced from them. N. S. Vul'fson, V. E. Kolchin Zhur. ob. khim. 34 no 7: 2387-2390 Jl '64.

DYES AND DYEING (Continued)

Rheological properties of organosilicon enamel dyes. M.B.Fromberg. Trudy VEI 71:27-34 '63.

Synthetic dyes. Part 39: Condensation of 1-aryl lepidinium salts with Michler ketone and auramine. G.T.Piliugin, B.M.Gutsuliak, IA O.Gorichok Zhur. ob.khim. 34 no.7 2412-2416 Jl '64.

DYES AND DYEING—CELLULOSE

Studying the removal of hydrolized active dyes from dyed cellulose fibers Report No.2. P.D.Balashova, F I. Sadov. Izv.vys.ucheb.zav., tekh.tekst.prom no.6 130-135 '63.

DYES AND DYEING—CHEMISTRY

Isolation and studies on dyes from some sorrels. O K. Bahril. Farmatsev zhur 18 no.5:25-29 '63

Microphotometric method for studying the diffusion of dyes in a cellophane film. B N.Mel'nikov, M.N. Kirillova, P.V.Moryganov. Izv.vys ucheb.zav., tekh tekst.prom. no.6 118-123 '63.

Spectrophotometric analysis of the selectivity of direct dyes by staple fabrics. L.A.Volodina and others. Izv. vys.ucheb.zav., tekh.tekst.prom. no.6.124-129 '63.

DYNAMICS

Use of the methods of analytic dynamics in the theory of optimum flights. V.S.Novoselov Vest.LGU 19 no.13:133-146 '64

DYNAMOMETER

Dynamometer with a contact vibration pickup for measuring cutting forces. IU.S.Sharin Trudy Ural politekh. inst no.129:103-105 '63.

Quantitative determination of leakage in a deep-well pump using a dynamograph. A Kh.Sharipov Neftepromu.delo no.7:39-42 '64

Tensometric dynamometer for measuring rock pressure on the bottom of caved blocks F I Kivenko, V R Bezukh, P D Petrenko Sbor nauch trud KGRI no 23 41-44 '63

[illegible] dynamometer with resistance wire pickup for measuring cutting forces. V N.Ashikhmin Trudy Ural.politekh.inst. no.129:106-112 '63

DYNAMOMETRY

Electronic dynamoscope with a zero reading line and load scale. A.T Belous Neft khoz 42 no.6 43-46 Je '64

DYSENTERY

Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administration. A.A.Novakovskaia, A.N.Tikhomirova, T.M.Guseva. Vop.pit. 22 no.3:19-22 My-Je '63.

DYSPEPSIA

Results of compound treatment of gastric dyspepsia at Karlovy Vary. J.Shee, J.Benda. Vop.kur.,fizioter.i lech.fiz.kul't. no.6:526-535 '63.

DYSTROPHY

Physiological analysis of disturbances in the regional blood circulation during the development of neural dystrophy S V.Magaeva Dokl AN SSSR 157 no.1 233-235 Jl '64.

DZHALAL-ABAD (KIRGHIZISTAN)—CHILDREN—GROWTH

Physical development of schoolchildren in Dzhalal-Abad, Kirghiz S.S.R. IU.I.Manuilenko. Sov.zdrav. Kir. no.6:54-57 N-D '63

DZHAMBUL PROVINCE—COLLECTIVE FARMS

The party group on a collective farm. M.Abdrakhmanov, I.Anisimov. Part.zhizn' no.15:56 Ag '64.

DZHETYGARA—ASBESTOS

Erecting elements for the enrichment plant of the Dzhetygara Asbestos Combine I.K Shapoval. Prom stroi 41 no 7:8-11 Jl '64.

DZHETYGARA—BUILDING MATERIALS PLANTS

Erecting elements for the enrichment plant of the Dzhetygara Asbestos Combine I.K.Shapoval. Prom stroi 41 no 7 8-11 Jl '64.

DZHEZKAZGAN DEPRESSION—MINING ENGINEERING

Drawing support pillars at previously worked areas in the Dzhezkazganskiy Mine. A.P.Berezovskii. Trudy Inst.gor.dela AN Kazakh.SSR 12:13-21 '63.

Fracture tectonics of Dzhezkazgan mineral deposits and stability of blocks. M.T.Bakaev, A.I.Arykov. Trudy Inst.gor.dela AN Kazakh.SSR 12:122-129 '63.

DZHEZKAZGAN DEPRESSION—RHODUSITE

Rhodusite concretions from the South Minusinsk and Dzhezkazgan Depression. A.A.Glagolev, O.B.Beleev. Dokl.AN SSSR 157 no.4:873-875 Ag '64.

EAR—DISEASES

Tomographic data in complicated otitis. M.G.Bagdasarian. Vop.rent.i onk. 7:83-90 '63.

EAR—RADIOGRAPHY

Tomographic data in complicated otitis. M.G.Bagdasarian. Vop.rent.i onk. 7.83-90 '63.

EARTH

Investigation of the spectrum of motion of the earth's poles. V.IA.IAshkov. Astron.zhur. 41 no.4.760-763 Jl-Ag '64

EARTH—SURFACE

Akademiia nauk SSSR. Geologicheskii institut. [Hydrogeothermal conditions in the upper parts of the earth's crust] Gidrogeotermicheskie usloviia verkhnikh chastei zemnoi kory. Moskva, Izd-vo "Nauka," 1964. 162 p.

Distribution of stresses in flexural strains of the earth's crust. G S Avakian. Izv AN Arm SSR Nauki o zem 17 no.2:29-35 '64

Xenoliths in the kimberlites of northern Yakutia and some problems of the earth's mantle structure V S Sobolev, N.V.Sobolev. Dokl.AN SSSR 158 no.1 108-111 S-O '64

EARTH MOVEMENTS

Determining horizontal friction forces acting on a rigid building during its undermining taking into account the deformation of the earth's surface R.A Muller, V V Madievskii [Trudy] VNIMI no 47:110-124 '62

Displacement and deformations of the earth's surface and rocks above a moving face. S.A.Batugin. [Trudy] VNIMI no 47:159-199 '62.

Displacement of rocks during the use of the shield mining method. E.V.Kuniaev, V.M Shik. [Trudy] VNIMI no.47:32-40 '62.

Establishing parameters for the zone of influence of ground movement on development workings. N.P. Bazhin [Trudy]VNIMI no.47:10-21 '62

Graphic distribution of displacements and deformations of the earth's surface above mine workings in the Donets Basin. A.N.Mediantsev, M.A Iofis, A.I. Mazurova [Trudy] VNIMI no.47:140-154 '62

Ground movement under seams in the Prokop'yevsk region of the Kuznetsk Basin. IA.A.Bich, I P.Aman. [Trudy]VNIMI no.47:22-31 '62

Taking into account the horizontal displacement of the earth's surface in engineering calculations of overhead vertical chain contact suspensions electrified railroads IU P.Nekhoroshev. [Trudy] VNIMI no 47:77-84 '62

EARTH MOVEMENTS AND BUILDING—SAFETY MEASURES

Preliminary results of investigating the efficiency of structural measures for protecting buildings from the effects of mining operations in the Karaganda Basin. P.E.Kleshchev. [Trudy] VNIMI no 47:85-99 '62

EARTH PRESSURE

Pressure of loam soils of embankments on right-angle culverts P.M Zelevich. Transp stroi 14 no 1 41-44 Ja '64

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE

(see also subdivision under Caucasus, Northern; Tuymazy Oil Field)

Akademiia nauk SSSR. Institut fiziki Zemli. [Geothermal studies] Geotermicheskie issledovaniia. Moskva, Izd-vo "Nauka," 1964. 173 p.

Geothermal studies in the U S S.R., second All-Union conference in Moscow I M Dvorov Vest AN SSSR 34 no 7 103-106 Jl '64

EARTHQUAKES

(see also subdivision under Altai Mountains)

Forecasting of earthquakes. Part 1. I E.Gubin. Izv. AN SSSR Ser geofiz no 8 1162-1170 Ag '64

EARTHQUAKES AND BUILDING

Protection of buildings from destruction by the shocks of seismic waves by the method of amortization. F.D Zelen'kov. Izv.AN Turk SSR Ser.fiz.-tekh.,khim.i geol.nauk no.4 58-62 '63

EARTHS, RARE see Rare earths

EARTHWORK

"Earthwork. General regulations on the carrying out and acceptance of completed work." Biul.stroi.tekh. 20 no.7:27-29 Jl '63.

"Earthwork. Regulations on the carrying out and acceptance of hydromechanized and excavation work." Biul.stroi.tekh. 20 no.7:29-30 Jl '63.

EARTHWORK—COLD WEATHER CONDITIONS see subdivision under Siberia

EAST—ARCHAEOLOGY

Rubinshtein, R.I. [What stories are told by the monuments of the ancient East] O chem rasskazyvaiut pamiatniki drevnego Vostoka. Moskva, Prosveshchenie, 1964. 181 p. (Kniga dlia chteniia)

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—MINING INDUSTRY—FINANCE

Methods of establishing norms for reserves prepared and ready for mining at enterprises of the East Kazakhstan Council of National Economy. N.P.Tikhomirova. [Trudy] VNIMI no.47:249-257 '62.

EAST KAZAKHSTAN PROVINCE—RETAIL TRADE

Revenge for insubordination A Usurova Sov profsoiuzy 20 no 15 39 Ag '64

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

Effect of the concentration of an alcohol - water mixture on the critical density of a heat flow. G I.Bobrovich, S S.Kutateladze. PMTF no 2:146-149 Mr-Ap '64

Some new methods for experimental study of the mechanisms of boiling and critical boiling M A Styrikovich, E I Nevstrueva Teplofiz vys temp 2 no 3 437-445 My-Je '64

Use of high-speed motion-picture photography in studying the growth of bubbles in saturated water boiling in a wide range of pressure variation D A Labuntsov and others Teplofiz vys temp 2 no 3 446-453 My-Je '64

ECCENTRICS (MACHINERY)

Transmission from an eccentric, structure, kinematics, and synthesis. A P Lapin Sbor nauch trud KGRI no 10 248-253 '61

ECLAMPSIA PUERPERALIS see Puerperal convulsions

ECOLOGY

A conference on the problems of intraspecific relations of organisms. B.G.Ioganzen, V.P.Ivanov. Usp.sovr. biol. 55 no.2 316-318 Mr-Ap '63.

ECONOMIC ASSISTANCE see subdivision under Underdeveloped Areas

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Indonesia

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Algeria; India

ECONOMIC ASSISTANCE, WEST GERMAN see subdivision under Underdeveloped Areas

ECONOMIC DEVELOPMENT see subdivision under Asia; Tajikistan

ECONOMIC GEOLOGY see Geology, Economic

ECONOMIC HISTORY

[Economic position of capitalist countries; a survey of business conditions for 1963 and the beginning of 1964] Ekonomicheskoe polozhenie kapitalisticheskikh stran, kon"iunkturnyi obzor za 1963 g. i nachalo 1964 g Moskva, Izd-vo "Pravda," 1964. 158 p. (Prilozhenie k zhurnalu "Mirovaia ekonomika i mezhdunarodnye otnosheniia No. 8 avgust 1964 g.)

The influence of the economic factor on the position of the West. I.Kuz'minov. Mezhdunar.zhizn' 11 no.9 87-88 S '64.

ECONOMIC HISTORY—HANDBOOKS, MANUALS, ETC.

[World economics; the popularizer's concise manual] Mirovaia ekonomika; kratkii spravochnik propagandista Moskva, Ekonomika, 1964. 231 p

Methodological problems in the analysis of production and commodity exchange relations in the period of the transition to communism. A.K. Pokrytan, V.I. Kasatkina. Trudy kaf. obshchestv. nauk OEIS no. 3 31-53 '62.

Polianskii, F. IA. [Economic ideas of the First International] Ekonomicheskie idei I Internatsionala. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 16)

Russia (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program for a course in economics for institutions of higher learning (280 hours)] Programma kursa politicheskoi ekonomii dlia vysshikh uchebnykh zavedenii (280 chasov). Moskva, Izd-vo "Mysl'," 1964. 46 p.

"Selected works in five volumes" by S.G. Strumilin. Vols 1-3 Reviewed by T S Khachaturov Vest AN SSSR 34 no 6 119-121 Je '64

Some special features of the development of socialist production relations. A. P. Cherednichenko. Trudy kaf. obshchestv. nauk OEIS no. 3·54-69 '62.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—DICTIONARIES

Borisov, E. F., V. A. Zhamin, and M. F. Makarova, eds. [Economics dictionary] Politekonomicheskii slovar. Moskva, Politizdat, 1964 303 p.

ECONOMICS—ELECTROMECHANICAL ANALOGIES

Computer models of the economy. V. V Kleshchov. Avtomatyka 9 no. 4 73-74 '64

ECONOMICS—STUDY AND TEACHING
(see also subdivision under Ukraine)

All-Union seminar on the education in economics at agricultural institutions of higher education. Izv TSKHA no. 6, 222-224 '63.

Disseminate the knowledge of economics among all managers. K.I. Aver'ianov. Za tekh. prog. 3 no 11·46 N '63.

Kagarlitskaia, O. T. [How K. Marx's "Capital" should be studied] Kak rabotat' nad "Kapitalom" K. Marksa. [Leningrad] Izd-vo Leningr. univ., 1964. 92 p.

ECONOMICS, MATHEMATICAL

Calculating net carrying capacity of a ship according to the assigned direction (area). A. F Mironenko Ekon i ekspl mor. transp. no. 1:3-10 '63.

Determining the optimal level of using the production capacity of harbors M. A Miliukov Ekon. i ekspl mor. transp. no. 1:47-54 '63.

Efficiency of unloading ships by concentrating harbor-handling equipment L. O. Derevich. Ekon i ekspl mor. transp. no. 1:54-61 '63.

Establishing standard coefficients for the efficiency of capital investments. T.S. Khachaturov. Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap vlozh. i nov. tekh. AN SSSR no. 4:3-17 '63.

The factorization of absolute increment M. Ioffe Vest. stat. no 7:30-39 '64

Russia (1923- U.S.S.R.) Sovet po izucheniiu proizvoditel'nykh sil. Laboratoriia matematicheskikh metodov. [Use of mathematics in the distribution of productive forces] Primenenie matematiki pri razmeshchenii proizvoditel'nykh sil. Moskva, Izd-vo "Nauka," 1964. 134 p.

Selecting vessels for the transportation of packaged cargo. P R. Dubinskii, D. IA. Pasternak Ekon i ekspl mor. transp. no. 1 21-2[illegible] '63.

Using mathematical methods in the analysis of the economic efficiency of the capital investments and capital assets of an agricultural enterprise. B.I. Iskakov-Pliukhin. Sbor. nauch. inform. Nauch. sov po eff. osn. fond. kap. vlozh i nov. tekh AN SSSR no. 4:56-78 '63.

ECONOMICS, MATHEMATICAL—BIBLIOGRAPHY see Bibliography—Economics, Mathematical

ECUMENICAL MOVEMENT

Church of Sweden and the ecumenical movement. L. Nachis. Zhur. Mosk Patr. no 8 59-68 '64

Preparation for the Fourth Conference in Nyborg (to be continued). N. Zabolotskii. Zhur. Mosk Patr. no. 7: 61-66 '64.

Preparing for the Fourth Nyborg Conference (conclusion). N Zabolotskii. Zhur. Mosk Patr no 8 59-63 '64.

EDEMA

Relation of the development of inflammation to the state of the blood coagulation system. I. A. Oivin and others. Arkh. pat. 26 no. 2:63-68 '64.

EDIBLE MUSHROOMS see Mushrooms, Edible

EDIBLE OILS AND FATS see Oils and fats, Edible

EDUCATION
(see also subdivision under Buryat A.S.S.R.; Czechoslovakia; Kemerovo Province; Mongolia)

For the armory of Soviet schools. V. Protsenko. Nar. obr no. 8:114-116 Ag '64

Good initiative and useful deeds. Nar. obr. no. 8:8-9 Ag '64.

In the Ministry of Education of the R S. F S R Nach shkola 32 no. 7 15, 45, 86 Jl '64.

In the Ministry of Education of the R.S F.S.R. Nar obr no 8 125-126 Ag '64

Protect education from monopoly attack Helen Dazy Vsem prof dvizh no 6:34-37 Je '64

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—CONGRESSES

International conference on public education. V Khorol'skii Nar obr. no 8·113 Ag '64

EDUCATION—DICTIONARIES

Pedagogical encyclopedia. Vech. sred. shkola 7 no. 2: 93-94 Mr-Ap '64.

EDUCATION—PERIODICALS

Read it in the periodicals Nar obr. no. 8·124 Ag '64

EDUCATION—STUDY AND TEACHING

What a history of education course could be like. P. Kliuchnikova, Z. Ravkin. Nar. obr. no. 8:13-19 Ag '64.

EDUCATION, COOPERATIVE

Alternation of instruction and production training in grades 9-11 of secondary schools. R. A. Medvedev Izv. APN no. 129·20-22 '63.

Inculcating social responsibility in grade 9-11 students during the process of production training. G. TS. Molonov. Izv. APN no. 129,29-31 '63.

EDUCATION, COOPERATIVE—BIBLIOGRAPHY see Bibliography—Education, Cooperative

EDUCATION, ELEMENTARY

Aesthetic training during the reading classes in grades 1-4. L. M. Saltykova. Rad. shk. 42 no. 4:31-34 Ap '64.

Independent work of firstgraders B D. Kucherenko. Nach shkola 32 no. 7:23-25 Jl '64

New book on the organization of work in schools with longer hours. P. M. Haman, L. P. Shevtsova, I. I. Krasnohors'kyi. Rad. shk. 42 no 4 109 Ap '64.

Pchelko, A. S., ed. [Basic problems of elementary education] Osnovnye voprosy nachal'nogo obucheniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR. 1963. 290 p.

Tempo of the fulfillment of class assignments by firstgraders R E. Tarashchanskaia Nach. shkola 32 no. 7:19-23 Jl '64.

Working with six-year old children. E F. Mal'kova Nach. shkola 32 no. 7·26-28 Jl '64.

EDUCATION, ELEMENTARY—CURRICULA

Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools, primary grades] Programmy vos'miletnei shkoly; nachal'nye klassy. Moskva, Prosveshchenie, 1964. 167 p.

EDUCATION, HIGHER

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] Biul Min. vys. i sred. spets. obr SSSR no. 8 Ag '64.

EDUCATION, PRESCHOOL

Aksarina, N. M., and E. I. Radina, eds. [Problems of the education of small children; the speech and mental group training of year old children] Voprosy pedagogiki rannego detstva; rechevoe i umstvennoe vospitanie detei v gruppakh vtorogo goda zhizni. Moskva, Prosveshchenie, 1964. 177 p.

EDUCATION, PRESCHOOL—AUDIO-VISUAL AIDS

Role of "object modeling" in the formation of visual analysis of complicated intersecting line drawings in preschool children. V. P. Sokhina. Izv. APN no. 129. 171-176 '63.

EDUCATION OF CHILDREN

Languages surrounding the world. A. Sharov. Nov mir 40 no 4 139-156 Ap '64

EDUCATIONAL PSYCHOLOGY

Development and training of the intellect. IU. Samarin. Nar. obr. no 8:50-52 Ag '64.

Educational psychology corner. L. F. Il'ichev. Nar. obr. no. 8·10 Ag '64

Forming the methods of abstraction in students. Report No. 1. Means of generalizing the methods of abstraction during the process of their assimilation by students. Report No. 2: Transfer of generalized methods and the intellectual development of students. V. I. Reshetnikov. Izv. APN no. 129:79-88 '63.

EDUCATIONAL RESEARCH

The place of logical and psychological methods in pedagogy G P. Shchedrovitskii Vop. filos. 18 no. 7:38-49 '64.

EFFECT OF TEMPERATURE ON METALS see Metals, Effect of temperature on

EFFICIENCY, INDUSTRIAL
(see also subdivision under Siberia)

History of the struggle of the Soviet people for efficient use of working time in industry. I. P. Emel'ianov. Uch. zap Penz. inzh.-stroi inst. no. 1:131-156 '61.

"Methods and practice of determining the economic efficiency of captial investments and the new technology" Reviewed by A S Konson Vest AN SSSR 34 no 7 123-126 Jl '64

EGGS—PACKING

Automatic line for egg processing. T.S. Atakishiev Mekh i avtom. proizv. 18 no. 1·4-6 Ja '64.

EGYPT—COOPERATIVE SOCIETIES

Growth of the cooperative movement in the United Arab Republic. M. Aganin. Sov. potreb. koop. 8 no. 5:59-61 My '64.

EGYPT—FOREIGN ECONOMIC RELATIONS—RUSSIA

The cooperation between the peoples of the U.S S.R. and the United Arab Republic is getting stronger. Vnesh torg. 44 no 7 18-19 '64

EGYPT—POLITICS AND GOVERNMENT

On paths of progress A Agaryshev Az. i Afr seg 8 no 6 53-54 Je '64

Our commentary Nov. vrem 21 no 30 5-6 Jl '64

EGYPT—TECHNICAL ASSISTANCE, RUSSIAN

Aswan, the symbol of friendship. F. Seiful'-Muliukov. Agitator no. 10:11-13 My '64.

Novikov, L. A., and A. K. Taradankin. [The dumbfounded sphinx] Izumlennyi sfinks. Moskva, Izd-vo "Znanie," 1964. 126 p. (Prochti, tovarishch!)

EIGENFUNCTIONS

Absolute convergence of expansions in eigenfunctions of certain differential operators. G. M. Kesel'man. Izv vys. ucheb zav, mat. no 2 82-93 '64

Perturbation of solutions and perturbation of eigenvalues and eigenfunctions of elliptic second-order equations in the case of perturbation of the boundary. Lin' TSzun-chi [Lin-TSung-ch'ih]. Dokl. AN SSSR 157 no 4:784-787 Ag '64

EIGENVALUES

Asymptotic distribution of the eigenvalues of elliptic operators. A. G. Kostiuchenko. Dokl. AN SSSR 158 no. 1:41-44 S-O '64.

New limit estimates for the higher eigenvalues of a quasi-differential system with a parameter under boundary conditions. IE. S Buravs'kyi. Dop AN URSR no. 8:991-995 '64.

Perturbation of solutions and perturbation of eigenvalues and eigenfunctions of elliptic second-order equations in the case of perturbation of the boundary. Lin' TSzun-chi [Lin-TSung-ch'ih]. Dokl. AN SSSR 157 no. 4:784-787 Ag '64.

EINIS, IGOR' VLADIMIROVICH

Stories about a quiet profession. M Gallai. Nov mir 40 no. 4 242-244 Ap '64

EJECTOR PUMPS

Calculational relationships for water-jet ejectors. L. D. Berman, G. I Efimochkin Teploenergetika 11 no 7. 44-48 Jl '64.

Effect of nozzle design on the operation of a water jet ejector. G. I. Efimochkin. Elek. sta. 35 no. 5·7-11 My '64.

EKIBASTUZ BASIN—COAL MINING MACHINERY

The pride of Old Kasym. A. Razmazin. Sov. shakht. 13 no. 4:31-32 Ap '64.

ELASTIC PLATES AND SHELLS

Analysis of the axisymmetric stressed state of cylindrical shells in the presence of discretely arranged transverses. IU I. Kaplan. Izv vys ucheb. zav., av. tekh 6 no. 4.70-78 '63.

Applying the method of consecutive approximations to problems of the stability of plates. V E. Popovich. Izv vys ucheb zav; av. tekh. 6 no. 4.79-85 '63

Approximate calculation of inhomogeneous plates by dividing them into elements. V. P. Kandidov. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 4:67-73 Jl-Ag '64.

Axisymmetric unsteady motion of a zero-torque circular cylindrical shell under the action of a moving load. N. A. Tiumanok. Izv AN SSSR. Mekh. i mashinostr. no. 4:47-53 Jl-Ag '64.

Bending of a circular plate of variable rigidity supported by a flexible foundation and in the presence of cohesion. V. K. Golub. Izv. AN SSSR. Mekh. i mashinostr. no. 4:92-95 Jl-Ag '64.

Bending of an orthotropic elliptic plate freely supported along the contour. I. I. Faerberg. Inzh. zhur. 4 no. 2: 266-267 '64.

Calculation of spherical shells fixed at the pole. G. K. Gabrichidze. Soob. AN Gruz. SSR 33 no. 3:601-603 Mr '64.

Carrying capacity of circular cylindrical shells subjected to bending S. N. Kan. Izv. vys. ucheb. zav., av. tekh. 6 no. 4 63-69 '63.

Linear theory of the stability of cylindrical shells. A. S. Vol'mir, I. G. Kil'dibekov. Inzh. zhur. 4 no. 2:263-265 '64.

ELASTIC PLATES AND SHELLS (Continued)

A solution of the first and second basic problems in the theory of elasticity for a strip lying on an elastic semiplane. I.A.Prusov. Izv AN SSSR Mekh.i mashinostr. no 4:102-104 Jl-Ag '64

Stability of a circular cylindrical sandwich shell under a nonuniform compression. V.V.Kabanov. Izv AN SSSR.Mekh.i mashinostr. no.4:116-119 Jl-Ag '64.

Theory of bending and compression of thick plates. T. T Khachaturian. Izv AN Arm.SSR.Ser fiz -mat nauk 16 no 6:41-61 '63.

Theory of the limiting state of laminated plates and shells of revolution. D.D.Ivlev, IU P Listrova, IU V. Nemirovskii. Izv.AN SSSR Mekh.i mashinostr no.4: 77-86 Jl-Ag '64.

Two-dimensional problem in the theory of elasticity for plates of variable thickness. IU. P. Kochanov. Inzh. zhur. 4 no.2:368-375 '64.

Viscoplastic flow of circular plates and shells of revolution. G.I.Bykovtsev, T.D.Semykina. Izv AN SSSR.Mekh.i mashinostr. no.4:68-76 Jl-Ag '64.

ELASTIC PLATES AND SHELLS—BOUNDARY VALUE PROBLEMS

Estimation of the error committed in the transition from the exact equations in the elasticity theory to two-dimensional equations describing a stressed state. R. L. Salganic. Prikl. mat. i mekh. 28 no. 4:791-794 Jl-Ag '64.

Solution of the problem of stability of a compressed shell in creep under the hardening hypothesis. A.P. Kuznetsov. PMTF no.2:90-96 Mr-Ap '64.

ELASTIC PLATES AND SHELLS—VIBRATION

Determination of natural vibration frequencies of a continuous plate. Zh. K. Makhortykh. Inzh. zhur. 4 no. 2: 357-359 '64.

Natural vibrations of circular orthotropic conic shells. V.G.Godzevich Izv.vys ucheb.zav , av tekh 6 no 1 55-62 '63.

ELASTIC RODS AND WIRES

Design of a flat curvilinear bar and ring according to deformation diagram. Problem on the loss of stability. S. A. Gridnev. Inzh. zhur. 4 no. 2:383-391 '64.

Flexure of prismatic rods with a II-shaped cross section. E.IA.Kirin. Izv.vys.ucheb.zav., mat. no.6:84-91 '63.

ELASTIC WAVES

Theory of elastic waves in crystals. Comparison with an isotropic medium. F.I.Fedorov Kristallografiia 8 no.2:213-220 Mr-Ap '63.

ELASTIC WAVES—DAMPING

Damping of elastic vibrations in Cu-Be and Cu-In alloys during phase transformations. I.G.Polotskii, N.S. Morduk. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18:163-169 '64

ELASTICITY

Akademiia nauk Kirgizskoi SSR, Frunze. Institut fiziki, matematiki i mekhaniki. [Problems of strength and elasticity] Voprosy prochnosti i plastichnosti. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 81 p.

Analog of Flamand's problem for an initially stressed viscoelastic medium. V.B.Zelenskii. Izv.vys.ucheb. zav.; mat. no.6:58-63 '63.

Anomalies of the Young's modulus in rare earth ferromagnetic elements. K. P. Belov and others. Fiz. met. i metalloved. 17 no. 4:617-619 Ap '64.

Boundary deformation conditions in the theory of elasticity. L.A.Rozin. Izv.AN SSSR.Mekh.i mashinostr. no.4:96-103 Jl-Ag '64.

Deformation of the contact surface between a rigid sphere and an elastic half-space due to sliding friction. P.IA. Sukennik. Dokl.AN SSSR 157 no.4:849-851 Ag '64.

Deformations and modulus of elasticity of keramzit concrete. A. Akbarov. Sbor. nauch. trud. NII po stroi. ASIA no. 4:61-65 '63.

Distribution of the elastic constants in single-phase quasi-isotropic polycrystals. N. A. Klinskikh Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:60-70 '63.

Effect of shear on Young's modulus of glass textolite specimens in transverse bend. IU. M. Khishchenko. Zav. lab. 30 no. 6:747-749 '64.

Internal stresses in an anisotropic elastic medium. I. A. Kunin. Prikl. mat. i mekh. 28 no. 4:612-621 Jl-Ag '64.

Self-similar dynamic problems of the embedding of a rigid punch in an elastic semispace. B.V.Kostrov. Izv.AN SSSR.Mekh.i mashinostr. no.4:54-62 Jl-Ag '64.

Solution of the first fundamental axisymmetric problem in the theory of elasticity for an area limited by an ellipsoid and a sphere. P. I. Perlin. Inzh. zhur. 4 no. 2:275-280 '64.

Solution of the three-dimensional problem in the theory of elasticity for a cylinder. V.I. Makhovikov. Inzh. zhur. 4 no. 2:268-274 '64.

Theory of elasticity of an inhomogeneous medium. N. A. Rostovtsev. Prikl. mat. i mekh. 28 no. 4:601-611 Jl-Ag '64.

ELASTICITY—BOUNDARY VALUE PROBLEMS

Comparison of an elastic sphere having a nonconcentric spherical cavity. R. N. Kaufman. Prikl. mat. i mekh. 28 no. 4:787-790 Jl-Ag '64.

Second boundary value problem in the theory of elasticity for a homogeneous isotropic layer. M.D. Martynenko. Dokl. AN SSSR 156 no 6 1323-1325 Je '64

Two contact problems for an elastic sphere. B. L. Abramian, N. Kh. Arutiunian, A. A. Babloian. Prikl. mat. i mekh. 28 no. 4,622-629 Jl-Ag '64.

ELASTOMERS

Role of adhesion in the phenomenon of the reinforcement of elastomers. S S Voiutskii, V G Raevskii, S M IAgnatinskaia Kauch i rez 23 no 7 16-20 Jl '64

ELBOW

Characteristics of the elbow in persons engaged in manual work with a considerable length of service. G. D Rokhlin Arkh anat , gist i embr 43 no 11·92-98 N '62.

ELECTION LAW see subdivision under Ukraine

ELECTRIC APPARATUS AND APPLIANCES

An extremator on nonlinear capacitances of p-n-junctions A. N. Kasperovich. Izv. SO AN SSSR no. 2. Ser tekh nauk no 1:26-33 '64.

ELECTRIC ARC

Dynamics and structure of the luminous cloud of arc discharge. I I. Korshakevich, M. N. Turko. Izv Sib otd AN SSSR no. 12,3-8 '62.

Effect of the polarity and heat conductivity of an electrode on the phase distribution of particles in an a-c arc G. E. Zolotukhin, R M. IAroslavskaia Izv SO AN SSSR no. 2, Ser. tekh nauk no. 1:127-130 '64

Heat balance of an extended spatially bounded arc burning in a two-component gaseous medium D G Bykhovskii, M G Fridliand. Teplofiz vys temp 2 no. 3 329-332 My-Je '64

Radiation from a high-pressure argon arc. IU.R. Kniazev and others. Zhur.tekh.fiz. 34 no.7·1224-1230 Jl '64.

Theory of an electric arc column burning under the conditions of natural convection. Part 1. I.A.Krinberg. Zhur.tekh.fiz. 34 no.5:888-895 My '64.

ELECTRIC BATTERIES

Study of galvanic cells by means of hydrogen peroxide as a depolarizer. O. K. Davtian, M. S. Kuskova, B. A Manakin Nauch ezhegod. Khim fak. Od. un. no 2·117-120 '61.

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC CABLES

Application of polytetrafluoroethylene insulation on cables. E.S Nurkov, V. V. Gres', V S Kunegin Elektrotekhnika 35 no 5,62-64 My '64.

ELECTRIC CAPACITANCE

Increasing the accuracy of reproduction of the unit of capacitance - the farad. A. L. Grokhol'skii, V A. Odintsov. Izv. SO AN SSSR no 2 Ser. tekh. nauk no. 1: 137-139 '64.

ELECTRIC CIRCUITS

Physical feasibility indicators of conductivity matrices of RC-circuits. O. L. Bandman. Izv. Sib. otd. AN SSSR no. 8:27-39 '62.

Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. [Mathematical modeling and electrical circuits; transactions] Matematicheskoe modelirovanie i elektricheskie tsepi; trudy. Kiev, "Naukova dumka."
No. 2. 1964. 395 p.

ELECTRIC COILS

Equivalent circuit of a coil with a solid steel core. E. G. Kasharskii, V. P. Kartsev. Sbor. rab. po vop. elektromekh. no. 10:217-226 '63.

Experimental determination of the frequency characteristics and parameters of a synchronous machine based on experiments in feeding the excitation winding in a stationary machine. Pan'TSzi [P'an Chi]. Sbor. rab. po vop. elektromekh. no. 10:217-226 '63.

Our consultations. Radio no. 1:63-64 Ja '64.

ELECTRIC CONDUCTIVITY

Apparatus for measuring electric conductivity. E. S. Sevast'ianov, A. I. Gorbanev, IU. M. Kessler. Zhur. fiz. khim. 36 no. 3:644-645 Mr '62.

Relation between electric conductivity and viscosity of solutions [with summary in English]. I. N. Maksimova. Zhur. fiz. khim. 38 no. 2,277-279 F '64.

ELECTRIC CONDUCTIVITY—MEASUREMENT

Selecting parameters of transducers for noncontact measurements of electric conductivity by the method of vortex currents. V. S. Sobolev. Izm. tekh. no. 3· 47-48 Mr '64.

ELECTRIC CONDUCTORS

[illegible] on in [illegible] MVI [illegible] tl no. 47: [illegible]

ELECTRIC CONNECTORS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Plug-type connectors for manual electric machines] Soedineniia shtepsel'nye dlia ruchnykh elektricheskikh mashin (MN 4676-63—MN 4691-63). Moskva, Izd-vo standartov, 1963. 48 p. (SSSR. Normali mashinostroeniia)

ELECTRIC CONTACTORS

Choice of metalloceramic material for contactors operating in a vacuum G V Levchenko and others Elektrotekhnika 35 no 5 52-53 My '64

Operation of large current carrying contactors at high temperatures A M Kussul', L K Skurygin, IU A Isakov Elektrotekhnika 35 no 5 54-55 My '64

Razumikhin, M. A. [Erosion resistance of low-current contactors] Erozionnaia ustoichivost' malomoshchnykh kontaktov. Moskva, Izd-vo "Energiia," 1964 80 p. (Biblioteka po avtomatike, no. 104)

Vsesoiuznoe soveshchanie po elektricheskim kontaktam i kontaktnym materialam. 3d, Moscow, 1962. [Electric contactors, transactions] Elektricheskie kontakty, trudy. Red. kollegiia B. S. Sotskov i dr. Moskva, Energiia, 1964. 502 p.

ELECTRIC CONTROLLERS

Approximation of the time characteristic of an object using an aperiodic first-order link with delay A. I Noskov, V. IA. Rotach Izv vys ucheb zav., energ 7 no. 7.99-102 Jl '64

Smirnov, A. D., ed. [Electricians manual in two volumes] Spravochnik elektrotekhnika v dvukh tomakh. Moskva, Izd-vo "Energiia."
Vol. 2. No. 5. [Start regulating apparatus] Puskoreguliruiushchaia appratura. 1964. 199 p.

ELECTRIC CURRENT CONVERTERS

Consecutive inverter with a stiff load characteristic. L.G.Koshcheev. Vest.TSNII MPS 23 no.4:40-43 '64.

Dynamic properties of self-compensating remote control systems with inductive converters V V Savin Izv vys ucheb zav , neft' i gaz 5 no 10 103-108 '62

Energy relations in galvanometric induction converters with internal feedback A A Peskin Izm. tekh no. 3·38-43 Mr '64

Semiconductor frequency converter for electric locomotives with asynchronous traction motors. D. A Zavalishin, S V. Zakharevich Sbor rab po vop elektromekh no. 10,267-276 '63

Sokolov, S. D., V. N. Rudnev, and I. G. Mochenov. [Inverter units of traction substations; characteristics of their operation and adjustment] Invertornye agregaty tiagovykh podstantsii; osobennosti raboty i naladki Moskva, Transport, 1964. 45 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

Transition process in voltage converters in a time interval for digital measuring systems M. A. Zemel'man. Izm. tekh no. 3·43-47 Mr '64

ELECTRIC CURRENT RECTIFIERS

Choice of rectifiers for the excitation networks of synchronous machines V.O Zaprosov Elektrotekhnika 35 no 5 48-49 My '64.

Increasing the power factor of rectifiers using nonsymmetrical control and determination of the harmonic composition of phase currents. I. A. Glebov, T N. Skosyreva. Sbor. rab po vop. elektromekh no 10 97-112 '63.

Tetel'baum, IA. I. [Semiconductor rectifiers] Napivprovidnykovi vyprimiachi Kyiv, Tekhnika, 1964. 257 p. (Biblioteka z napivprovidnykovoi elektroniky)

ELECTRIC CURRENTS—GROUNDING

Author's reply to A. B. Oslon, A. I. IAkobs, and L. P. Terent'eva's remarks. A. P Korshunov Elek sta. 35 no. 5 90 My '64.

Sparkproof measuring device for grounding used in plants with an explosion hazard V. S Komarov, A. A Shukh, I. V. Zinchik. Koks i khim no. 6:54-55 '64

ELECTRIC CURRENTS, EDDY

Noncontact measurement of the specific resistance of semiconducting materials using the method of eddy currents. V. S. Sobolev. Izv SO AN SSSR no 2. Ser. tekh. nauk no. 1:34-42 '64.

ELECTRIC CUTOUTS

Increase in the switching capability of separators and disconnectors with 35 - 220 kv. ratings. V. D. IUrenkov, V. I. Eivin. Elek. sta. 35 no 5·46-53 My '64

ELECTRIC CUTOUTS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rotary machines and lines; electric cutouts] Rotornye mashiny i linii, elektropreryvateli (MN 5125-63—MN 5127-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

ELECTRIC CUTTING MACHINERY

Design of machines for electric contact machining of metals. A. S Davydov. Stan. i instr. 35 no. 6:20-23 Je '64.

Formation of crystallization centers on the surface of aqueous solutions of electrolytes following a spark discharge. M.I. Kozlovskii. Rost krist. 4 27-31 '64

Processes on electrodes in heavy-current discharges in a vacuum. S V Gurov and others. Zhur. tekh. fiz. 34 no 5:866-872 My '64.

ELECTRIC DISCHARGES THROUGH GASES

Broadening of the cesium line in a d. c. arc plasma V M Gol'dfarb, E. V Il'ina. Opt i spektr. 17 no. 2 302-304 Ag '64

Characteristics of discharges in Penning tubes at low pressures. IU. E. Kreindel', A. S. Ionov Zhur tekh fiz. 34 no. 7:1199-1205 Jl '64.

Excitation of inert gases in a positive discharge column at medium pressures. Part 4 IU M. Kagan, R I. Liagushchenko. Opt i spektr 17 no 2 168-175 Ag '64

Formation of ozone from the dissociation products of carbon dioxide in a glow discharge. I. V. Nikitin, E. N. Eremin. Zhur. fiz. khim. 36 no. 3.616-619 Mr '62.

Interaction of hydrogen with oxygen in a silent electrical discharge. Part 7. N. I. Kobozev, I. A. Semiokhin, E. N. Pitszhelauri. Zhur. fiz. khim. 36 no. 3:443-448 Mr '62.

Relation between the kinetics of the electric oxidation of nitrogen and the voltammetric characteristics of the electric discharge [with summary in English]. S. S. Vasil'ev, M. S. Selivokhina. Zhur. fiz. khim. 38 no. 2. 361-367 F '64.

ELECTRIC DRIVING

Compound links and feedback with optimum recuperation law in valve cascade circuits. Kh. M. Nurmukhamedo.. Avtomatyka 9 no. 4:83-86 '64

Delayed feedback of voltage and electromagnetic moment of a motor in a reversive electric drive O. V. Popov, V A. Miasnikov. Sbor. rab po vop. elektromekh. no. 10 290-304 '63.

Loads of the electric drives of the auxiliary mechanisms of a blooming mill S. D Levintov, N IA. Kravtsov Izv. vys. ucheb zav., energ 7 no 6:40-46 Je '64

Operational indices of an electric drive with triangular speed graph and deviation of the reducing mechanism from an optimum ratio V G. Sozonov. Izv. vys ucheb. zav., energ. 7 no. 7 28-33 Jl '64.

Optimum control of microelectric drives at limited phase coordinates. A. S Anisimov. Izv SO AN SSSR no 2. Ser. tekh. nauk no. 1:9-17 '64.

Physical modeling of large electromechanical time constants. G. G Sokolovskii Elektrotekhnika 35 no. 6:24-26 Je '64.

Tereshchenko, K. K. [Automatic program control networks of mechanisms with reversing drives] Skhemy programmnogo avtomaticheskogo upravleniia mekhanizmami s reversivnym privodom. Moskva, Izd-vo "Energiia," 1964. 119 p.

ELECTRIC ENGINEERING

Bessonov, L. A., and others. [Theoretical principles of electrical engineering; methodological instructions and test assignments for students of power engineering and electrical engineering professions of institutions of higher learning and departments] Teoreticheskie osnovy elektrotekhniki; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov energeticheskikh i elektrotekhnicheskikh spetsial'nostei vuzov i fakul'tetov. Izd. 2. Moskva, Vysshaia shkola, 1962 73 p
[MICROFILM]

In the State Committee on Electrical Engineering. Elektrotekhnika 35 no. 6:37, 46 Je '64.

Sverdlovsk. Ural'skii politekhnicheskii institut. [Textbook for a course in "Theoretical principles of electrical engineering"] Zadachnik po kursu "Teoreticheskie osnovy elektrotekhniki." Sverdlovsk.

No. 1. [Vector algebra and principles of vector analysis; manual for independent study of the course] Vektornaia algebra i osnovy vektornogo analiza; posobie dlia samostoiatel'nogo izucheniia kursa. 1961. 31 p.
[MICROFILM]

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur. Elektrotekh. i energ. no. 7 Jl '64.

ELECTRIC ENGINEERING—MATERIALS

Tarkhanov, B. I. [Epoxy resins and compounds and their practical applications in electrical wiring operations] Epoksidnye smoly i kompaundy i ikh primenenie v praktike elektromontazhnykh rabot. Moskva, Stroiizdat, 1964. 80 p.

ELECTRIC ENGINEERING—PROBLEMS, EXERCISES, ETC.

Qualitative problems. M. IU. Zaichik. Sred. spets. obr. 11 no. 6:19-20 Je '64.

ELECTRIC ENGINEERING—STANDARDS

Increasing the accuracy of reproduction of the unit of capacitance - the farad. A. L. Grokhol'skii. V. A. Odintsov. Izv. SO AN SSSR no 2. Ser. tekh nauk no 1: 137-138 '64.

ELECTRIC ENGINEERING—STUDY AND TEACHING

Content and system of an electric engineering course in general secondary schools Report No 2 System of the course P I. Stavskii Izv APN no 129 15-19 '63

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Nizhne-Dneprovsk, Dnepropetrovsk Province)

"Eskapon" plastics and their use in the electric equipment industry V. N Naito. Inform biul VDNKH no. 2 13-14 F '64

In the State Committee on Electrical Engineering Elektrotekhnika 35 no 5 35 My '64.

ELECTRIC FIELDS

Calculation of the plane-parallel current field in a conducting strip of thin cross section L S Krotman Izv SO AN SSSR no 2. Ser tekh. nauk no 1:69-78 '64

Effect of an electric field on the solubility of gases in a liquid K F. Stepanchuk Izv. vys. ucheb. zav., energ 7 no 7:13-17 Jl '64

Electric field of edge dislocations in metals and semiconductors P. F. Kromer. Izv AN Uz SSR. Ser. fiz.-mat. nauk 7 no. 5:63-70 '63

Ohmic heating and the electroconductivity of a plasma in strong electric fields. V A Suprunenko, E A Sukhomlin, N I Reva Atom energ 17 no 2 83-88 Ag '64

ELECTRIC FIELDS—MATHEMATICAL MODELS

Tozoni, O V. [Mathematical models for the calculation of electrical and magnetic fields] Matematicheskie modeli dlia rascheta elektricheskikh i magnitnykh polei Kiev, Naukova dumka, 1964. 301 p.

ELECTRIC FILTERS

Calculation of a capacitive filter IA. Tetel'baum. Radio no. 1 47-48 Ja '64

Single-sideband electromechanical disc filter. K Shul'gin. Radio no 1:22-24 Ja '64

ELECTRIC FURNACES
(see also subdivision under Chelyabinsk)

Automatic temperature control in electric heating P D. Zrazhevskii, I I Mitin Trudy Inst met i obog AN Kazakh SSR 8 171-173 '63

Temperature regulation in laboratory furnaces. F. I Stribunov. Khim. prom. [Ukr.] no. 3:73 Jl-S '63.

ELECTRIC FURNACES—TESTING

Operating conditions of charge-resistance furnaces in the production of silicon. S. I. Denisov. Met. i gornorud. prom. no. 6:27-29 N-D '62.

ELECTRIC GENERATORS

Automation of power supply units with 100 kv-a ratings. Izv. vys. ucheb zav., energ 7 no 7 23-27 Jl '64

Joint regulation of excitation with consideration of frequency and angle of the synchronous generator N S. Siryi. Sbor rab. po vop. elektromekh. no. 10.145-152 '63.

Venikov, V. A. [Transient electromechanical processes in electrical systems] Perekhodnye elektromekhanicheskie protsessy v elektricheskikh sistemakh. Moskva, Izd-vo "Energiia," 1964. 377 p.

ELECTRIC INDUSTRY WORKERS see subdivision n under Moscow

ELECTRIC INSTRUMENTS

Universal device for industrial dimension checking. B N. Markov, E. I. Pedi'. Izm. tekh. no 3:9-12 Mr '64

ELECTRIC INSULATORS AND INSULATION

Application of polytetrafluoroethylene insulation on cables E S Nurkov, V V. Gres', V. S Kunegin Elektrotekhnika 35 no 5.62-64 My '64.

Dependence of electrical and mechanical properties of organosilicon compounds on their composition and structure. G. E. Golubkov. Trudy VEI 71:35-120 '63.

Effect of diffusion processes on the breakdown voltage of "aged" porcelain. N G. Drosdov, V N Garevskii, N. S. Kostiukov. Izv. vys ucheb. zav.; fiz. no 1,76-79 '64

Effect of low temperatures on the electrophysical and mechanical properties of epoxide insulation S G Sokolov, TS. M. Levitskaia. Izv. Sib. otd. AN SSSR no. 7:37-41 '62

Evaluation of the economic effectiveness of decreasing insulation reserves of power transformers V. R. Okorokov Izv. vys. ucheb. zav., energ. 7 no 6 16-22 Je '64.

Freon resistance of electric insulating materials V. A. Lapchuk, E. I. Polurovskaia, S. V. Shishkin. Elektrotekhnika 35 no. 6:31-35 Je '64.

Polynaphthenoalumophenylsiloxanes. K. A. Andrianov, E. Z. Asnovich. Trudy VEI 71:7-12 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu [Use of class-F insulation in electrical machines] Primenenie izoliatsii klassa F v elektricheskikh mashinakh. Moskva, TSentr. In-t nauchno-tekhn. Informatsii priborostroeniia, elektrotekhn. promyshl. i sredstv avtomatizatsii, 1962. 18 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)
[MICROFILM]

Skvortsov, A. A., A. M. Kolesina, and S. A. Danil'iants. [Ways to improve the operational reliability of the insulation of the windings of electric traction motors] Puti povysheniia ekspluatatsionnoi nadezhnosti izoliatsii obmotok tiagovykh elektrodvigatelei Moskva, Izd-vo "Transport," 1964. 28 p (Dostizheniia nauki i tekhniki - v proizvodstvo)

Study of technological and economic indices of performance of the insulation of mass-produced electric motors. Kh. R. Parksheian, R. G. Romanov. Trudy VEI 71:210-232 '63.

Volt-second characteristics of plexiglass and teflon in thick layers. A. I Lamasov, A. T Chepikov. Izv Sib otd. AN SSSR no. 7 96-98 '62

ELECTRIC INSULATORS AND INSULATION—TESTING

Connection of automatic internal overvoltage registers to high-voltage networks V V Ivashev and others Izv vys ucheb. zav., energ. 7 no 6 8-15 Je '64

ELECTRIC LAMPS see subdivision under Moscow

ELECTRIC LAMPS—SPECTRA

Instantaneous emission spectra of an IFP-200 pulse lamp in the visible region IU. M Kutev. Opt. i spektr 17 no. 2:295-297 Ag '64

ELECTRIC LAMPS, ARC—SPECTRA

Energy distribution and background density in the spectrum of low-pressure mercury arc lamps. N. I. Dvorovenko, A V Sechkarev Izv vys ucheb. zav., fiz no. 4:6-12 '64

ELECTRIC LAMPS, PORTABLE

Provide coal mines with improved protable storage battery lamps. A. G IUrgenson, V. M IUr'ev. Ugol' Ukr. 7 no. 9:16 S '63

ELECTRIC LINES—MAINTENANCE AND REPAIR

Conducting repair operations according to phase in 35 kv power transmission lines P B. Rustam-zade, V. N Eganov Elek sta 35 no. 5 86-88 My '64

Industrial training and work with personnel in electrical networks B I. Zaporozhets. Elek sta 35 no. 5 85-86 My '64.

ELECTRIC LINES—OVERHEAD
(see also subdivision under Daghestan; Virgin Territory)

Industrial training and work with personnel in electrical networks. B. I. Zaporozhets Elek. sta. 35 no 5 85-86 My '64

Long-distance 750 kv. power transmission lines IU. I. Lyskov, N. N Sokolov, S. S Rokotian. Elek. sta. 35 no 5 50-67 My '64.

Use of machinery and devices in preparatory and earth moving operations in the construction of overhead power transmission lines V. M Sudomoikin Energ. stroi. no. 33:74-78 '63

Work of the technological council. B Lakhtin, I. Raikh Energ. stroi. no 33:79-81 '63

ELECTRIC LINES—POLES AND TOWERS

Pile foundations of 110 kv. power transmission line supports D. E Vinogradov Elek. sta. 35 no. 5:33-37 My '64.

ELECTRIC LOCOMOTIVES
(see also subdivision under Novocherkassk)

Physical processes in the power circuits of an electric locomotive with compound excitation traction motors occurring under transient conditions V. I Zonov. Trudy Ural. elektromekh inst inzh. zhel. dor. transp. no 5:91-102 '62

Use of the TE-62 system for the remote control of electric locomotives. V. IA. Ovlasiuk, IU. S. Stramnov, N. D. Sukhoprudskii. Trudy TSNII MPS no. 276:47-63 '64.

ELECTRIC LOCOMOTIVES—ELECTRIC DRIVING

Traction engines with mixed excitation for the electric driving of locomotives. G. M. Kovner, I. P. Borodulin. Vest. TSNII MPS 23 no. 4:24-28 '64.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

Petrov, M. P., and others. [Locating and eliminating faults in the VL8 electric locomotives] Obnaruzhenie i ustranenie neispravnostei na elektrovoze VL8. Izd. 2., perer. Moskva, Izd-vo "Transport," 1964. 162 p. diagrs. (insert)

ELECTRIC LOCOMOTIVES—TESTING

Roller station for stationary testing of electric locomotives. A. M. Diad'kov. Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no 5:115-126 '62.

ELECTRIC MACHINERY

Kaganov, Z. G. [Wave effects in electrical machines; approximate calculation methods] Volnovye iavleniia v elektricheskikh mashinakh; priblizhennye metody rascheta. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 369 p.

ELECTRIC MACHINERY (Continued)

Kaminskii, M. L., and N. I. Lazarev, [Installation of large electrical machines] Montazh krupnykh elektricheskikh mashin. Moskva, Stroiizdat, 1964. 286 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

Principal design equations of an electrical machine with rolling rotor. A. I. Bertinov, V V Vaile, S. R Miziurin Elektrotekhnika 35 no. 6:38-41 Je '64.

Riabov, V. I. [Practical stydy of electrical equipment] Prakticheskie zaniatiia po elektrooborudovaniiu. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 135 p.

Rigidity of a laminated core of an electrical machine V. M. Podrez. Sbor rab. po vop elektromekh no 10 241-256 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [Use of class-F insulation in electrical machines] Primenenie izoliatsii klassa F v elektricheskikh mashinakh. Moskva, TSentr. in-t nauchno-tekhn informatsii priborostroeniia, elektrotekhn promyshl. i sredstv avtomatizatsii, 1962. 18 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)
[MICROFILM]

Stretching and bending of a laminated beam. V. M Podrez. Sbor. rab. po vop elektromekh. no. 10:226-240 '63.

Use of mica materials in high-voltage machines. V. A. Volkov. Trudy VEI 71:121-209 '63.

ELECTRIC MACHINERY—ALTERNATING CURRENT

Construction of the frequency characteristic of an a c. machine using a d c. attenuation curve with given accuracy. E. IA Kozovskii Sbor. rab. po vop elektromekh no. 10 187-194 '63.

Determination of the frequency characteristics of a. c. machines having fixed rotors with consideration of d. c. fading in the stator winding using piece-wise exponential representation of the fading curve A. M. Volkov Sbor. rab. po vop elektromekh. no. 10 199-217 '63.

ELECTRIC MACHINERY—DRYING

Intensified drying of the windings of electrical machines V A Bliumberg, N E Khmel'nitskaia Elektrotekhnika 35 no. 5.39-40 My '64

ELECTRIC MACHINERY—WINDINGS

OS-627 stator winding machine I. Sh. Benderskii, K. K. Popov. Elektrotekhnika 35 no. 5.37-38 My '64

ELECTRIC MACHINERY, SYNCHRONOUS

Choice of rectifiers for the excitation networks of synchronous machines V. O. Zaprosov Elektrotekhnika 35 no 5 48-40 My '64

Determination of temperature increase in the windings of salient pole synchronous machines taking into account the idle operation of the synchronous compensator B F Oskerko Elektrotekhnika 35 no 5 44-45 My '64

Effect of artificial damping on synchronizing and asynchronous moments of a synchronous machine. V. F. Fedorov. Sbor. rab. po vop. elektromekh. no. 10. 169-174 '63.

Experimental determination of the frequency characteristics of synchronous machines D P. Lediankin, A. I. Ageev. Izv. vys. ucheb. zav., energ. 7 no. 6 1-7 Je '64.

Mechanical calculation of the pole coil of a synchronous machine. F. M. Dotinko, V. M. Fastovskii. Elektrotekhnika 35 no. 6:42-43 Je '64.

Parameters and asynchronous characteristics of a synchronous machine with a nonsymmetrical damping system. V. S. Arutiunian. Elektrotekhnika 35 no. 6: 27-28 Je '64.

ELECTRIC MEASUREMENTS

Clarification of a formula for determining the specific inductive capacitance of samples using a resonance frequency shifting technique. G. N. Rapoport, B. N. Bondarenko, G. I. Gladyshev. Radiotekh. i electron. 9 no. 7:1310-1320 Jl '64.

Conference on automatic control and electric measurements. A. F. Kotiuk. Izm. tekh. no. 9:52-55 Mr '64.

Noncontact measurement of the specific resistance of semiconducting materials using the method of eddy currents. V. S. Sobolev Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1:34-42 '64.

Orcshnikov, V. V. [Electrical measuring devices with direct valuation] Elektroizmeritel'nye pribory neposredstvennoi otsenki; spravochnoe posobie. Moskva, Izd-vo "Mashinostroenie," 1964. 183 p.

Principles of the construction of optimalizing digital automatic a-c bridges. F. B. Grinevich. Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1:3-8 '64.

Problems affecting the analysis and synthesis of measuring systems for extrapolating random fields. A. G. Senin. Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1:54-62 '64.

Shortening the response time for linear measuring systems of n-th order. V. M. Aleksandrov, B. G. Matienko, A. A. Nesterov. Izv SO AN SSSR no. 2. Ser. tekh. nauk no. 1:43-53 '64.

ELECTRIC METERS

Gorodovskii, A. F. [D. C. bridges] Mosty postoiannogo toka. Moskva, Energiia, 1964. 88 p. (Elektroizmeritel'nye pribory, no. 5)

Iliukovich, A. M. [D. C. meters] Elektricheskie schetchiki postoiannogo toka. Moskva, Izd-vo "Energiia," 1964. 77 p. (Elektroizmeritel'nye pribory, no. 6)

Khodeev, I. K. [Portable a. c. instrument ammeters, voltmeters, and wattmeters. Measuring instrument sets] Perenosnye ampermetry, vol'tmetry i vattmetry peremennogo toka. Izmeritel'nye komplekty. Moskva, Energiia, 1964. 103 p. (Elektroizmeritel'nye pribory, no. 8)

ELECTRIC METERS—MAINTENANCE AND REPAIR

Veksler, M. S. [Electrostatic devices] Elektrostaticheskie pribory. Moskva, Energiia, 1964. 94 p (Elektroizmeritel'nye pribory, no. 7)

ELECTRIC MOTORS

Automatic protection against overloading of electric motors in hoisting machines. I I. Kovalenko Ugol' Ukr 7 no 9 30 S '63

Karpov, F. F. [How to verify the proper connection of motors with short-circuited rotors to a power supply network] Kak proverit' vozmozhnost' podkliucheniia k elektricheskoi seti dvigatelei s korotkozamknutym rotorom. Izd. 2., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 93 p. (Biblioteka elektromontera, no. 123)

The RD motor reduction unit. V. A. Volkov. Mekh. stroi. 20 no. 7:27 Jl '63.

Simplified methodology for the conversion of universal electric motors V M Zakharian, N D IArkova Elektrotekhnika 35 no 5 49-52 My '64

Study of technological and economic indices of performance of the insulation of mass-produced electric motors. Kh. R. Parkshеian, R. G. Romanov. Trudy VEI 71:210-232 '63.

ELECTRIC MOTORS—VIBRATION

Resistance to vibration of electric motors used in vibrating machines. V. I. Cherniaev. Mekh. stroi. 20 no. 7:8-10 Jl '63.

ELECTRIC MOTORS, ALTERNATING CURRENT

Series of motor reducing gear units for agricultural use K. A. Alikhanian Elektrotekhnika 35 no 5 36-37 My '64

ELECTRIC MOTORS, DIRECT CURRENT

Calculation of a cylindrical armature with printed winding of a d c. motor. L. D Osnovich, Z A Osnovich Elektrotekhnika 35 no. 6:44-46 Je '64.

ELECTRIC MOTORS, INDUCTION

Additional losses in the an asynchronous short-circuited motor with noninsulated rotors pins R I. Talyshinskii, V F Davydov Elektrotekhnika 35 no 5 16-18 My '64.

Asynchronous motors sizes 10-11 with power ratings from 100 to 400 kw. and cast aluminum rotor windings E. D. Kravchik, M. M. Shiaf. Elektrotekhnika 35 no. 5 13-16 My '64.

Effect of of total additional losses on the acutal efficiency of asynchronous motors IU V Gaintsev Elektrotekhnika 35 no 5:18-20 My '64.

Efficient electric drive systems for the bucket mechanism and head winches of a chain and bucket dredge. I. P. Petrov, G. A. Bagautinov Izv vys ucheb zav.; gor zhur. 7 no. 3:139-147 '64

Generating transient electromagnetic moments of asynchronous motors. N. I Zenkin, V. M. Kirpichnikov Izv. vys. ucheb. zav.; gor. zhur 7 no. 3:171-178 '64.

Improvement of the characteristics of short-circuited induction motors with cast aluminum rotor cages. A P. Voskresenskii, B. I. Kuznetsov Elektrotekhnika 35 no. 5.6-9 My '64.

Method for improving the characteristics of asynchronous motors with short-circuited rotors B. N Chertok, M E Povolotskii, N P. Bachurikhin. Elektrotekhnika 35 no 5:10-13 My '64.

Power indices of asynchonrous motors operating as single-phase condenser motors. G G. Rekus Elektrotekhnika 35 no 5:46-49 My '64

Similitude criteria of magnetohydrodynamic effects and electromagnetic power losses in a layer of conductive medium between the rotor and stator of an asynchronous motor. A. V. Ivanov-Smolenskii, G. S. Tamoian Izv vys. ucheb. zav., energ 7 no. 6 32-39 Je '64.

Study of the operation of an asynchronous motor as an artificial load. M. S. Mamed-Zade Izv. vys. ucheb zav.; energ 7 no. 6:47-53 Je '64

ELECTRIC NETWORK ANALYZERS

Specialized electronic analog computer for studying processes in electric power systems. G. V. Roshchin, I. IA. Akimova. Sbor. rab. po vop. elektromekh. no. 10. 120-128 '63.

ELECTRIC NETWORKS

About some switching circuits. M. K. Chirkov. Vych. tekh. i vop. prog. no. 2:89-98 '63.

Bessonov, L. A. [Nonlinear electrical networks] Nelineinye elektricheskie tsepi. Izd. 2., perer. i dop. [Petrozavodsk] Vysshaia shkola, 1964. 429 p.

Connection of automatic internal overvoltage registers to high-voltage networks. V. V. Ivashev and others. Iz. vys. ucheb. zav., energ. 7 no. 6:8-15 Je '64.

Contribution to the theory of electromechanical bypass converters A. S Pizio Izv vys ucheb. zav., radiotekh 7 no. 2:237-240 Mr-Ap '64

Miller, E. V. [Contactless logic components using transistors and their application] Beskontaktnye logicheskie elementy na poluprovodnikakh i ikh primenenie. Moskva, Izd-vo "Energiia," 1964. 79 p. (Biblioteka po avtomatike, no. 97)

Minimization of composite logical networks consisting of one-function elements V M. Ozernoi Izv. AN SSSR. Tekh kib. no 1 32-35 Ja-F '64

Multichannel ring-type switching device using regulated silicon valves A A Sakovich and others Elektrotekhnika 35 no 5 60-61 My '64

Reliability of logical switching circuits. M K Chirkov Vych. tekh i vop prog no 2 16-38 '63

Synthesis of reactance converters. D. A. TSirel'son. Elektrosviaz' 18 no. 8:52-57 Ag '64.

Synthesis of switching circuits using an electronic computer. A N. Mal'tsev Vych tekh i vop prog no. 2 39-53 '63

Topographic diagrams of currents Sh N Khusainov Izv vys ucheb. zav., energ 7 no 7 18-22 Jl '64

Use of analog computers in the study of electromagnetic and electromechanical instability of an electrical system. N. D. Anisimova Izv vys ucheb zav. energ 7 no 7 80-84 Jl '64

Venikov, V. A. [Transient electromechanical processes in electrical systems] Perekhodnye elektromekhanicheskie protsessy v elektricheskikh sistemakh. Moskva, Izd-vo "Energiia," 1964. 377 p.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER

Electric power and the distribution of production forces P Neporozhnii Kommunist 41 no 10 64-73 Jl '64

[Electric power production and utilization in foreign countries, supplement to the periodical "Elektricheskie stantsii"] Energokhoz. za rub nos. 2-3 Mr-Je '57, nos 2-3 Mr-Je '58, nos 4, 6, Jl-Ag, N-D '62, no. 4 Jl-Ag '64.

Prospects of utilizing the fuel power resources of Siberia and Central Asia for supplying power to the European part of the U. S. S. R N N Krachkovskii Teploenergetika 10 no 12 10-11 D '63

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur. Elektrotekh. i energ. no. 7 Jl '64

ELECTRIC POWER DISTRIBUTION
(see also subdivision under Moscow region)

Barzam, A. B. [Systems automation] Sistemnaia avtomatika. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 367 p.

Construction of a nomogram for determining the coefficient of nonsymmetry in balanced three-phase systems. I I. Ivanov. Sbor rab po vop elektromekh no 10:112-119 '63

Defects of small MV-110 entrances with 1000 a. ratings manufactured by the "Uralizoliator" factory Elek sta. 35 no 5 92 My '64

Disconnecting and connecting nonloaded 154 kv. transformers using OD-220 isolators and RLND-154 disconnecting switches. Elek sta. 35 no 5:92 My '64

Dmitriev, V. I., ed. [Fields of
of the various means of transp
of fuel] Oblasti ratsional'nogo
vidov transporta pri perevozk
skva, Izd-vo "Transport," 19

Effect of some chemical industries
teristics of network junctions of ele
I. A. Fedorova. Izv vys. ucheb zav
88-91 Jl '64.

[Electrical loads of industrial enterprises] Elektricheskie nagruzki promyshlennykh predpriiatii. [By] S. D. Volobrinskii i dr. Moskva, Izd-vo "Energiia," 1964. 303 p.

Features of using the condensing block for covering peak loads and creation of auxiliary power supply in electric power systems S A Zykov, S I Mochan Teploenergetika 10 no 12 14-20 D '63

In the technological council of the construction of electric networks and power plants A. Goncharov. Energ. stroi. no. 33:81-82 '63

Joint regulation of excitation with consideration of frequency and angle of the synchronous generator. N. S. Siryi. Sbor. rab. po vop. elektromekh. no. 10 145-152 '63.

Load distribution between electric power plants taking into account the cost of relative increments V N Serebrennikov. Elek. sta 35 no. 5 53-55 My '64.

Long-distance 750 kv. power transmission lines. IU. I. Lyskov, N. N. Sokolov, S. S. Rokotian. Elek. sta 35 no. 5:60-67 My '64.

Machine computation and calculation of mutual impedances and self-impedances of complex power systems N. A. Kachanova. Avtomatyka 9 no 4:72 '64

Prospects for increasing the stability of electric power systems with regulatory action of steam turbines. V. V. Buevich. Sbor. rab. po vop. elektromekh. no. 10 128-136 '63

Russia (1923- U. S. S. R.) Gosudarstvennyi proizvodstvennyi komitet po energetike i elektrifikatsii. [Engineering regulations for operating electric power plants and networks; published for the personnel of rural electrical systems] Pravila tekhnicheskoi ekspluatatsii elektrostantsii i setei; vypusk dlia personala sel'skikh elektroustanovok Moskva, Energiia, 1964. 101 p

Scientific problems in the field of automatic control and regulation of large electric power systems and their elements. I A Glebov and others. Sbor. rab. po vop elektromekh. no 10,23-40 '63

Study of the parallel operation of long-distance power transmission lines with a common receiving system V. E. Kashtelian, N. S Siryi Sbor. rab. po vop elektromekh no 10 137-145 '63

System for busbar protection and reservation of protecting devices and switches L. V. Bondarevskii, V N Pekler. Elek. sta 35 no 5 86-80 My '64

Trends in the use of atomic electric power plants in consolidated power systems. L. N. Davydova Sbor rab. po vop. elektromekh. no. 10·15-22 '63.

Use of peak load gas-turbine power plants in prospective power systems. G. I. Sashonko Sbor rab po vop. elektromekh. no. 10,60-66 '63.

Venikov, V. A. [Transient electromechanical processes in electrical systems] Perekhodnye elektromekhanicheskie protsessy v elektricheskikh sistemakh. Moskva, Izd-vo, "Energiia," 1964. 377 p.

Zhivov, M. S. [How to organize electric equipment installation operations] Kak organizovat' elektromontazhnye raboty. Moskva, Izd-vo "Energiia," 1964. 70 p. (Biblioteka elektromontera, no. 129)

ELECTRIC POWER DISTRIBUTION—DIRECT CURRENT

Direct current transmission abroad. L. R. Neiman, S. R. Glinternik, A. V Emel'ianov. Sbor rab po vop. elektromekh. no. 10 69-81 '63.

Method for calculating steady-state characteristics of a branced d c. power transmission network interconnecting three utility systems. Sbor rab. po vop. elektromekh no. 10:81-97 '63

ELECTRIC POWER DISTRIBUTION—HIGH TENSION

High-voltage a. c. electric power transmission over distances of 1,500 - 3,000 km. V. K. Shcherbakov. Izv. Sib. otd. AN SSSR no. 10,51-69 '62.

ELECTRIC POWER DISTRIBUTION—MODELS

Mathematical model for planning the perspective development of a power system A S. Makarova, A. A. Makarov Elek. sta. 35 no. 5 55-59 My '64

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Cherkasov, V. N., and V. E. Ul'iashchenko. [Fire prevention in electrical systems] Pozharnaia profilaktika elektroustanovok. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 199 p.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Introduction of changes and additions into the "Safety engineering regulations for operating the electrical systems of municipal power distribution networks with ratings up to 1,000 volts." Elek sta. 35 no. 5:91 My '64.

ELECTRIC POWER PLANTS

(see also subdivision under Tiflis)

Area of effective use of units with large rated power in condensing electric power plants operating in a consolidated power system. N. N. Antonov. Sbor. rab. po vop. elektromekh. no 10:48-52 '63

Choice of optimum standard dimensions of turbine units of thermal electric power plants in electrical systems. V. I. Kirpichev. Sbor. rab. po vop. elektromekh. no. 10· 53-59 '63.

A conference by correspondence of the readers of "Teploenergetika" Teploenergetika 10 no. 12 90-92 D '62.

Construction of the covering of the machine room of a thermal electric power plant. G. F. Mogilevskii, M. D. Tarnopol'skii. Elek. sta. 35 no. 5 28-32 My '64

Continuous line techniques for manufacturing long units of reinforced concrete structures. A K Posadskii, G. A. Sadovnikov. Energ. stroi. no. 33:20-26 '63.

Determination of the magnitude of scavenging in electric power plants in condensate distilling operation. M. V Ilovaiskaia, R. K. Gronskii. Elek. sta. 35 no. 5 81 My '64.

Design and organization of the construction of thermal electric power plants should be continuously improved G. B. Granik. Energ. stroi. no 33:7-14 '63

Effect of the mode of operation of a condensing electric power plant on its engineering and economic indices. I. M. Artiugina, L. D. Kozyreva. Sbor. rab. po vop. elektromekh. no. 10:40-48 '63.

Experimental industrial welding of the main steam line without outgoing insert rings in the Yaroslavl Thermal Electric Power Plant No. 3. G. M. Ginzburg. Energ. stroi. no. 33:39-43 '63.

Gumin, I. IA., M. I. Gumin, and V. F. Ustinov. [Secondary networks of electric power plants and substations] Vtorichnye skhemy elektricheskikh stantsii i podstantsii. Izd. 2., dop. i perer. Moskva, Izd-vo "Energiia," 1964. 174 p.

In the technological council of the construction of electric networks and power plants. A Goncharov Energ. stroi. no. 33:81-82 '63.

Methods for calculating the dissipation of ash and sulfur dioxide in the atmosphere emitted from the smokestacks of electric power plants Teploenergetika 11 no 7 89-94 Jl '64

Passage of moist fuels through a fuel supply system A T Sharkov. Teploenergetika 10 no 12 57-59 D '63.

Precast reinforced concrete shells for covering the main housings of thermal electric power plants. N A Pereleslavtsev and others Energ stroi no 33:14-20 '63.

Performance of steampipes from 1Kh18N12T steel of the SVP block of the Chelyabinsk thermal electric power plant No 1. M IA. Aristov, M F Kozheurova, G N Mikheev. Teploenergetika 10 no 12 60-64 D '63.

Problems of automation V. D Mironov Teploenergetika 10 no. 12 7-10 D '63.

Study and consideration of thermal conditions in the parallel operation of No 14 and No 15 thermal electric power plants of the Leningrad Electric Power System I S Lanin Teploenergetika 11 no 7 49-54 Jl '64

Toolroom of a construction site. Energ. stroi. no. 33: 86-87 '63.

ELECTRIC POWER PLANTS—ACCOUNTING

Levin, I. B. [Special features of the analysis of the administrative operations of thermal power plants] Osobennosti analiza khoziaistvennoi deiatel'nosti teplovykh elektrostantsii. Moskva, Izd-vo "Finansy," 1964. 90 p.

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

Efficiency of introducing central control service in the construction of electric stations N. V Pozdniakov. Trudy NPI 144:29-42 '63.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

New topical exhibits at the Exhibition of Achievements of the National Economy of the U S. S. R V. N. Borovitskii, V N. Chumachenko. Elek. sta 35 no. 5 95 My '64.

Obsolescence of machinery in electric power plants. S. E. Shitsman. Elek sta. 35 no. 5:24-28 My '64.

ELECTRIC POWER PLANTS—WATER SUPPLY

Effective scope of the operational control of the steam and water enterprise of an electric power plant IU M. Kostrikin Teploenergetika 10 no 12 71-74 D '63

Nomogram for determining steam content in the bubbling of steam through water. V A Suvorov, L P. Borodulina Teploenergetika 10 no 12 89-90 D '63

Present state and prospects for the development of the water treatment systems of thermal electric power plants F G Prokhorov. Teploenergetika 10 no 12 66-70 D '63.

Water supply norms of an electric power plant IU V. Zenkevich Teploenergetika 10 no 12 83-84 D '63.

ELECTRIC PROSPECTING see subdivision under Azerbaijan

ELECTRIC PROTECTION

Experience in the operation of quick-action electric network protection. S. D. Sokolov, S. M. Kuznetsov, A. I. Kachevskii. Trudy TSNII MPS no. 276·16-32 '64.

Maximum current and minimum voltage relay with semiconductor devices. V. IA. Ovlasiuk, V. A. Bykov. Trudy TSNII MPS no. 276·126-134 '64.

Pavlov, L. I. [Lectures for a course in "Overvoltages and overvoltage protection: Lightning and protection from direct lightning strokes"] Lektsii po kursu "Perenapriazheniia i zashchita ot perenapriazhenii: Molniia i grozozashchita ot priamykh udarov molnii." Moskva, Vses. zaochnyi energeticheskii in-t, 1963. 62 p.

[MICROFILM]

System for busbar protection and reservation of protecting devices and switches L. V. Bondarevskii, V. N Pekler. Elek sta. 35 no. 5,86-80 My '64

Use of transient processes of linear four-terminal networks in constructing protection systems with dependent characteristic. N. T. Smertin. Izv. vys. ucheb. zav., energ. 7 no. 7:7-12 Jl '64.

ELECTRIC RAILROADS

Directional total resistance electronic relay with various modulus and angle settings. V. IA. Ovlasiuk, V A. Bykov. Trudy TSNII MPS no. 276:115-125 '64.

Performance of automatic and remote control systems in sections with a. c. electric traction I. A. TSetsura Zhel dor transp 46 no 1·43-45 Ja '64

Quarter of a year of building steel tracks. V. M. Kryzhanovskii Transp. stroi. 14 no. 1·32-34 Ja '64.

ELECTRIC RAILROADS—CURRENT SUPPLY

Frequency remote control of overhead contact line disconnectors. V. IA. Ovlasiuk, I I. Trifonov, N D. Sukhoprudskii. Trudy TSNII MPS no 276·33-42 '64.

System for the blocking of the current reverser of the overhead contact line section in alternate and direct current converter stations of electrified railroads. V. IA. Ovlasiuk, V A. Bykov, V B Lapin Trudy TSNII MPS no. 276·149-151 '64

ELECTRIC RAILROADS—DESIGN AND CONSTRUCTION

Taking into account the horizontal displacement of the earth's surface in engineering calculations of overhead vertical chain contact suspensions electrified railroads. IU. P. Nekhoroshev [Trudy] VNIMI no 47:77-84 '62.

ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

Use of static electromagnetic systems for the rolling stock of electric railroads B K. Baranov, A. M. Rutshtein. Zhel dor transp 46 no. 1 31-33 Ja '64

ELECTRIC RAILROADS—POLES AND TOWERS

Results of the electrification of the Oktyabr'skaya road. G. M. Kirzhakov, V. I. Sidorov. Transp. stroi. 13 no. 10:11-13 O '63.

ELECTRIC RAILROADS—SUBSTATIONS

Application of mathematical logic methods in the design of automatic control circuits. B N. Grin'kov. Trudy TSNII MPS no. 276:64-82 '64.

Electronic system for the automatic power control of a mercury-arc rectifier substation according to load. B. N. Grin'kov. Trudy TSNII MPS no. 276,83-99 '64

Electronic time relay for automation and electric protection circuits. V. IA Ovlasiuk, V. A. Bykov. Trudy TSNII MPS no. 276:135-148 '64.

Experience in the operation of 220 kv traction substations D. I. Vorozheikin, K I. Skobelev. Zhel dor. transp. 46 no 1:27-31 Ja '64.

Maximum current and minimum voltage relay with semiconductor devices. V. IA. Ovlasiuk, V. A. Bykov. Trudy TSNII MPS no. 276:126-134 '64.

Reliability and operation organization of remote control apparatus for electric power supply stations. N. D Sukhoprudskii. Trudy TSNII MPS no. 276:5-15 '64.

Sokolov, S. D., V. N. Rudnev, and I. G. Mochenov. [Inverter units of traction substations; characteristics of their operation and adjustment] Invertornye agregaty tiagovykh podstantsii, osobennosti raboty i naladki. Moskva, Transport, 1964. 45 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

Translation of remote control signals. A. V. Pivovarov. Trudy TSNII MPS no. 276:43-46 '64.

Use of controlled silicon valves as output elements in the automatic control systems of traction substations. I. V. Petrov. Trudy TSNII MPS no. 276:106-114 '64.

ELECTRIC RAILROADS—TRAFFIC

Analytical method for determining the maximum traffic volume of an electrified section. V. A. Kabanov Trudy Ural. elektromekh. inst inzh. zhel. dor. transp no 5· 15-23 '62.

ELECTRIC RAILROADS—WIRES AND WIRING

Experience in the operation of quick-action electric network protection. S D. Sokolov, S. M. Kuznetsov, A. I. Kachevskii. Trudy TSNII MPS no. 276:16-32 '64.

ELECTRIC RAILWAY MOTORS

Approximation method for calculating the equivalent inductance of a traction motor under cutout conditions. V. N. Kavanov. Trudy Ural. elektromekh. inst inzh. zhel. dor. transp. no. 5·67-77 '62

Characteristics of the performance of compound excitation motors under the conditions of an attenuated field V. I. Kutmov. Trudy Ural. elektromekh. inst. inzh zhel. dor. transp. no. 5:103-114 '62.

Determination of the parameters of a single-phase collector-type traction motor for electric rolling stock. A. R. Dembo. Sbor. rab. po vop. elektromekh no. 10: 256-267 '63.

Semiconductor frequency converter for electric locomotives with asynchronous traction motors. D. A Zavalishin, S. V. Zakharevich. Sbor. rab. po vop. elektromekh. no. 10:267-276 '63.

Traction characteristics of electric locomotives with compound excitation. A. M. Diad'kov V. I Kutmov. Trudy Ural. elektromekh. inst. inzh. zhel dor. transp. no. 5:78-90 '62

Valve type repulsion motor. IU. P. Sonin. Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no. 5·56-66 '62.

ELECTRIC RAILWAY MOTORS—WINDINGS

Skvortsov, A. A., A. M. Kolesina, and S. A. Danil'iants. [Ways to improve the operational reliability of the insulation of the windings of electric traction motors] Puti povysheniia ekspluatatsionnoi nadezhnosti izoliatsii [illegible] Izd-vo [illegible] uki i tekh- [illegible]

[illegible] A. [illegible] inductance. [illegible] Ja '64.

ELECTRIC RELAYS

About some switching circuits. M.K.Chirkov. Vych. tekh. i vop. prog. no. 2.89-96 '63.

Directional total resistance electronic relay with various modulus and angle settings V.IA Ovlasiuk, V A. Bykov. Trudy TSNII MPS no.276,115-125 '64.

Multichannel ring-type switching device using regulated silicon valves A A Sakovich and others Elektrotekhnika 35 no 5 60-61 My '64

ELECTRIC RELAYS—RELIABILITY

Reliability of logical switching circuits. M.K.Chirkov. Vych. tekh. i vop. prog. no. 2 16-38 '63

Reliability of the speed control relay. V.B Ginzburg, L.G Mel'kumov, M.S. Rabinovich. Mekh. i avtom. proizv. 18 no.1;39-40 Ja '64.

ELECTRIC RESONATORS

Use of a new variant of the resonator method for measuring dielectric constants for the study of high molecular weight compounds V. B. Kazanskii, L D. Stepin, V K Tkach. Biofizika 8 no. 1·112-116 '63

ELECTRIC SHOCK

Conditioned response activity in animals revived following fatal electric trauma. M. P. Adamenko, A. P. Kovtun. Fiziol. zhur. 10 no. 1,47-54 '64.

ELECTRIC SUBSTATIONS

General method for the probability evaluation of the duration of nonsymmetry in the busbars of transformer substations feeding single-phase transmission lines in a "single-wire and ground" system. S. M. Rozhavskii Izv. vys. ucheb. zav , energ. 7 no 6 101-105 Je '64.

Gumin, I. IA., M. I. Gumin, and V. F. Ustinov. [Secondary networks of electric power plants and substations] Vtorichnye skhemy elektricheskikh stantsii i podstantsii. Izd. 2., dop. i perer. Moskva, Izd-vo "Energiia," 1964. 174 p.

ELECTRIC SWITCHGEAR

Disconnecting and connecting nonloaded 154 kv. transformers using OD-220 isolators and RLND-154 disconnecting switches. ELek sta. 35 no. 5:92 My '64.

Increase in the switching capability of separators and disconnectors with 35 - 220 kv ratings V. D. IUrenkov. V. I. Elvin. Elek. sta. 35 no 5 46-53 My '64.

Transistor voltage switch for multichannel measurement units. M. B. Leitman Za tekh. prog 3 no. 11;6-10 N '63.

ELECTRIC SWITCHGEAR—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rotary machines and lines, electric cutouts] Rotornye mashiny i linii; elektropreryvateli (MN 5125-63—MN 5127-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

ELECTRIC TRANSFORMERS

Characteristics of the idle operation of power transformers. D. E. Artem'ev, V. V. Kryzhanovskii. Elek. sta. 35 no. 5 43-46 My '64

Circuit of a d. c. transformer with increased transformation accuracy. M. A. Rakov, I V. Petrushko Elektrotekhnika 35 no. 5 58-59 My '64

Determination of active resistances in the equivalent circuits of three-winding transformers. Z. E. Altunina Izv. vys. ucheb. zav ; energ. 7 no 6·97-100 Je '64.

Electric conversion circuit for a unit composed of series connected transformers with counter connection of the winding coils. R. N. Urmanov, Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no. 5:23-33 '62.

Evaluation of the economic effectiveness of decreasing insulation reserves of power transformers V. R Okorokov. Izv. vys ucheb. zav., energ. 7 no. 6:16-22 Je '64.

Smooth voltage regulation of power transformers under load conditions by means of saturation choke coils. E. M. Vetlugin, R. N. Urmanov, Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no. 5:44-55 '62.

Transformer chain for the transmission of mechanical remote control signals. S. B. Karvatskii. Vest. TSNII MPS 23 no. 4;43-47 '64.

Transformer with a smooth contactless regulation of voltage under load conditions. I. F. Pavlov, R. N. Urmanov. Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no. 5:34-43 '62.

ELECTRIC TRANSFORMERS—COOLING

Study of noncombustible liquids for filling electric transformers. K. A. Andrianov, V. V. Skipetrov, A. N. Kalinkina. Trudy VEI 71;13-26 '63.

ELECTRIC TRANSFORMERS—TESTING

Indication of damages in testing the dynamic strength of transformers. E. A. Man'kin, A. M Ryvkin. Elektrotekhnika 35 no. 5;24-26 My '64

Revised standard on methods for testing power transformers. E A. Man'kin, A. M. Ryvkin. Elektrotekhnika 35 no. 5·21-24 My '64

ELECTRIC WELDING

Approximation method of calculating conditions of three-electrode automatic butt welding. A. A. Kazimirov, V. V Meshkov. Avtom. svar. 17 no. 7·25-29 Jl '64.

Arc welding of aluminum. L Kostrina Tekh. i vooruzh no. 3·61-62 Mr '64.

A cold bath is heating A Russiian , A Sakharnov *Izobr i rats no 5 40 '64*

Controllers with self-changing settings for optimization of electric arc welding operations P P Sheiko Avtomatyka 9 no 4·89-92 '64

Dorofeev, A. N. [Calculating the strength of spot-welded joints] Raschet prochnosti svarnykh tochechnykh soedinenii. Moskva, Izd-vo "Mashinostroenie," 1964. 136 p

Pavlichenko, V. S. [Resistance welding of parts with a closed contour] Kontaktnaia svarka izdelii zamknutoi formy Moskva, Mashinostroenie, 1964. 112 p.

ELECTRIC WELDING—COOLING

Effect of the cooling rate on the structure of cast iron during its mechanized welding with a powder wire IU A, Sterenbogen, V. Kh Khorunov Avtom svar. 17 no. 7 30-35 Jl '64

ELECTRIC WELDING—DEFECTS

Increasing weld metal resistance to the formation of hot cracks A. A Erokhin, O. M Kuznetsov Avtom svar 17 no 7 2-5 Jl '64

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Calculating the inductance of secondary circuits of resistance welding machines L V. Glebov. Avtom svar 17 no 7 54-57 Jl '64

Device for welding a helical tray on the shell of a vibratory bunker E N Braslavskii Mashinostroitel' no. 6 25 Je '64.

Investigating the double arc welding under flux of thick titanium S D. Zagrebniuk Avtom. svar 17 no. 7·44-49 Jl '64

Kasatkin, B. S. [Mechanized welding of steel under flux] Mekhanizirovannaia svarka stali pod fliusom. Kiev, "Tekhnika," 1964. 109 p.

Methods of determining the degree of mechanization of welding operations in shipbuilding M. R Shraerman Avtom svar. 17 no. 7.83-89 Jl '64.

Type TS-34 welding tractor for the welding of girth joints. V. E Paton, S V Egorov, M. G. Bel'for Avtom svar 17 no 7 58-60 Jl '64.

Universal, 63-ton capacity manipulator, for hard facing and welding M D Litvinchuk, I S Dugel'nyi Avtom svar 17 no. 7.64-66 Jl '64.

ELECTRIC WELDING—SAFETY MEASURES

Prevention of short circuiting in the flash welding process. V. P. Krivonos. Avtom svar. 17 no. 7 75-76 Jl '64.

ELECTRIC WELDING—TECHNOLOGICAL INNOVATIONS

Under carbon dioxide protection. V. Tiurin. NTO 5 no. 12;47-49 D '63.

ELECTRIC WELDING—TESTING

Strength of welded joints in 09G2 steel. A E. Marchenko and others. Avtom. svar 17 no 7.20-24 Jl '64

ELECTRIC WIRE

Ohmic resistance of enameled wires. E. K. Ganusevich, L. Z. Reut. Elektrotekhnika 35 no. 6;35-37 Je '64.

ELECTRIC WIRE—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Universal marking end pieces for wires with a section from 1.5 to 6 mm^2] Okontsevateli markirovochnye dlia provodov secheniem ot 1 do 6 mm^2 (MN 2173-61—MN 2175-61). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

ELECTRIC WIRING

Kazanskii, N. V. [Sanitary engineering and electrical engineering operations; repair and maintenance of sanitary engineering equipment of dwellings] Sanitarno-tekhnicheskie i elektrotekhnicheskie raboty; remont i soderzhanie sanitarno-tekhnicheskogo oborudovaniia zhilogo doma. Moskva, Stroiizdat, 1964. 33 p. (Svoimi rukami)

Zhivov, M. S. [How to organize electric equipment installation operations] Kak organizovat' elektromontazhnye raboty. Moskva, Izd-vo "Energiia," 1964. 70 p. (Biblioteka elektromontera, no. 120)

ELECTRICITY

Savel'ev, I. V. [General physics course] Kurs obshchei fiziki. Moskva, Izd-vo "Nauka,"
Vol. 2. [Electricity] Elektrichestvo. 1964. 335 p.

ELECTRICITY—PHYSIOLOGICAL EFFECT

Electric excitability of the smooth muscle cells. A. V. Kibiakov, R. S. Orlov. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10;3-6 O '63.

ELECTRICITY IN AGRICULTURE—BIBLIOGRAPHY see Bibliography—Electricity in agriculture

ELECTRICITY IN MINING

(see also subdivision under Lvov-Volyn' Basin)

Area of efficient use of locomotive and conveyor transportation in haulage drifts. V. A. Leonov, V. M. Kuznetsov. Ugol' Ukr. 7 no. 12;21-23 D '63.

Small-scale electric current feeding device to an electrostatic precipitator. A. A. Kekin, A. P. Shchetilin, N. V. Nenashev. Trudy Inst. gor. dela AN Kazakh. SSR 12;164-171 '63.

Voltage and current regulators for charging airtight lamp batteries M M Fotiev Ugol' Ukr. 7 no. 9 48-50 S '63

ELECTRICITY IN MINING—SAFETY MEASURES

Protection system using an operative high frequency current for preventing single-phase short-circuits to ground in networks with 3-6 kv. voltages. B. P. Belykh Izv. vys ucheb zav., gor zhur 7 no 3;136-138 '64

ELECTRICITY IN PETROLEUM ENGINEERING

Organizing communication channels in the power distribution networks of offshore oil fields D I. Vigdorov Izv vys ucheb zav., neft' i gaz 5 no 10 97-102 '62.

ELECTRICITY ON SHIPS

Mezin, E. K. [Electrical machinery on ships] Sudovye elektricheskie mashiny. Moskva, Izd-vo "Transport," 1964. 392 p.

ELECTRIFICATION

Triumph of Lenin's ideas about the electrification of the country. IA N. Popolov. Inform biul. VDNKH no. 8;3-5 Ag. '63.

ELECTROCARDIOGRAPHY

Cardiac changes in cadavers of insultus patients, clinical and electrocardiographic data. E. F. Drigo, E. Z. Ustinova. Zhur. nevr. i psikh. 63 no. 9:1361-1367 '63.

Clinical and electrocardiographic studies and some biochemical data in hyperimmunization of horses by tetanic and diphtherial antigens. K R Korchilava. Soob. AN Gruz. SSR 33 no. 3;701-706 Mr '64.

Data of electrocardiographic and ballistocardiographic examinations of the inhabitants of medium-altitude and high-altitude regions of the Pamirs. B. IA. Grinshtein. Sov. zdrav. Kir. no. 6·13-19 N-D '63.

Effect of ganglioblocking substances on the development of collateral blood vessels in the myocardium in experimental myocardial infarct in rabbits. A. A. Miazdrikova. Farm. i toks 26 no 2;169-172 Mr-Ap '63.

Effect of small concentrations of light aeroions on the cardiac activity of rabbits IU D Dumans'kyi. Fiziol zhur. [Ukr] 9 no. 6·824-826 N-D '63.

Electrocardiographic changes in patients with disorders of coronary circulation during nitranol therapy. E. A. Gruzina. Khim. i med. no. 16;61-64 '61.

Interpretation of the main electrocardiographic changes in myocardial infarction, origin and clinical importance. D. F. Presniakov. Kardiologiia 2 no. 6;43-49 N-D '62.

Normal duration of electric systole in man. E. B. Babskii, V. L. Karpman, I. N. Ivanitskaia. Dokl. AN SSSR 156 no. 6;1472-1475 Je '64.

Prevention of hazardous hemodynamic changes in occlusion of the thoracic and abdominal aortas in experimental renal hypertension. S. A. Gasparian, V. G. Akopian. Grud. khir. 5 no. 5;33-41 S-O '63.

Use of cardiocyclography in physiological and clinical investigations. E. B. Babskii, V. S. Ivanov, G. V. Nikishin. Kardiologiia 2 no. 6;77-81 N-D '62.

ELECTROCHEMICAL ANALYSIS

Isaakian, L. A. [Electrochemical methods of gas analysis in physiology] Elektrokhimicheskie metody gazovogo analiza v fiziologii. Otv. red. R. P. Ol'nianskaia. Moskva, Nauka, 1964. 78 p.

ELECTROCHEMICAL APPARATUS

Circuit of a redoxistat with continuous proportioning of reagent for the synthesis of some substances and the simultaneous study of the kinetics of corresponding reactions [with summary in English]. M. S. Sytilin. Zhur. fiz. khim. 38 no. 2;516-520 F '64.

Measurement of impedance of an electrochemical cell at low frequencies [with summary in English]. G. A. Tedoradze. Zhur. fiz. khim. 38 no. 2;334-337 F '64.

Unit for the electrochemical polarization of electrodes by low frequency alternating current of varying degrees of asymmetry [with summary in English]. IU. N. Mikhailovskii. Zhur. fiz. khim. 38 no. 2;520-522 F '64.

ELECTROCHEMISTRY

Chemical interaction and electrodiffusion in liquid sodium alloys [with summary in English]. S. I. Drakin, T. N. Sergeeva, A. I. Trepakov. Zhur. fiz. khim. 38 no. 2. 321-324 F '64.

Investigating the kinetics of the interaction between liquid metal and slag by electrochemical methods. IU. P. Nikitin. Sbor. nauch. trud. Ural. politekh. inst. no. 126: 49-58 '63.

Trends in the improvement of equipment for the electrochemical strengthening of well walls. N. I. Titkov, P G. Kuz'menkov, V. G. Smolianinov. Mash. i neft. obor. no. 2;3-10 '64.

Useing electrical currents to intensify the burning out of sulfur in slags. S. K. Chuchmarev, A. A. Dobryden'. Sbor. nauch. trud. Ural. politekh. inst. no. 126;34-48 '63.

Contribution to the theory of nonstationary convective diffusion on a rotating disk electrode. V.IU.Filinovskii, V.A.Kir'ianov Dokl.AN SSSR 156 no 6.1412-1415 Je '64.

Effect of the polarity and heat conductivity of an electrode on the phase distribution of particles in an a-c arc G E. Zolotukhin, R M. IAroslavskaia. Izv SO AN SSSR no. 2 Ser. tekh. nauk no 1:127-130 '64

Kinetics of high temperature electrode processes studied by the galvanostatic method G A Toporishchev, O A Esin, V N Kalugin Dokl AN SSSR 157 no. 1 162-164 Jl '64

Polarization of fine porous electrodes. O. S. Ksenzhok. Zhur. fiz. khim. 36 no. 3:633-637 Mr '62.

Study of an oxygen electrode on a chromium-nickel carrier O. K. Davtian, D N. Izmailova-Ratushnaia, B A Manakin. Nauch ezhegod Khim fak. Od un no 2 120-123 '61

ELECTRODES—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Roll electrodes for resistance welding machines] Elektrody rolikovye dlia elektrosvarochnykh kontaktnykh mashin (MN 113-60—MN 116-60). Moskva, Izd-vo standartov, 1964. 15 p. (SSSR. Normali mashinostroeniia)

ELECTRODES, CARBON

Rollers for the processing of electrode carbon mass M. I. Solomentsev, V A Kozachok Khim prom. [Ukr] no 3:60-62 Jl-S '63

ELECTRODES, DROPPING MERCURY

Device for automatic reproduction and removal of stationary drop electrodes. A. IA. Gokhshtein, IA. P. Gokhshtein. Zhur. fiz. khim. 36 no. 3:651-655 Mr '62.

ELECTRODES, GALLIUM

Structure of the electric double layer on gallium as studied by measuring the differential capacitance. A.N.Frumkin, N.B.Grigor'ev, I A Bagotskaia. Dokl. AN SSSR 157 no.4:957-960 Ag '64.

ELECTRODES, GLASS

Determination of water soluble and exchangeable sodium under field conditions using glass electrodes with Na-function. IU.B.Koltunov. Pochvovedenie no 7: 110-111 Jl '64.

ELECTRODES, IRON

Adsorption of sulfur in iron in alkali solutions. S. A. Rozentsveig, N. IU. Ufliand, Z. V. Shcherbakova. Zhur. fiz. khim. 36 no. 3:557-561 Mr '62.

Effect of selenium, tellurium, arsenic, and antimony on hydrogen overvoltage on steel in an acid medium [with summary in English]. S. M. Beloglazov. Zhur. fiz. khim. 38 no. 2:427-433 F '64.

Hydrogen overvoltage in an alkaline solution of chloride on thermally and air-oxidized iron cathodes. E. M. Kuchinskii, G. N. Kokhanov. Zhur. fiz. khim. 36 no. 3: 480-488 Mr '62.

ELECTRODES, MERCURY

Multicycle oscillographic polarography with two streaming mercury electrodes in differential circuit. E. Gorlich, J. Srzednicki, Z. Kowalski. Zhur. fiz. khim. 36 no. 3:449-454 Mr '62.

ELECTRODES, PLATINUM

Mechanism of the formation of potential on a platinum electrode in the reduction of gold by sulfite B. I Peshchevitskii, V. P Kazakov Izv Sib. otd AN SSSR no 9 65-70 '62

ELECTRODES, RUTHENIUM

Reactions of hydrogenation and electrohydrogenation of some organic substances on a ruthenium electrode-catalyst [with summary in English]. G. P. Khomchenko, T. N. Stoianovskaia, G. D. Vovchenko. Zhur. fiz. khim. 38 no. 2. 434-438 F '64.

ELECTRODES, ZINC

Inhibition of the anodic ionization of zinc. M. A. Loshkarev, M. G. Efremova. Trudy DKHTI no. 16:77-85 '62.

ELECTRODYNAMICS

Emission of linear currents in optically active and gyrotropic media. D D. Gazazian, O. S. Mergelian Dokl. AN Arm. SSR 37 no. 4:185-189 '63.

ELECTROENCEPHALOGRAPHY

Changes in the bioelectrical activity of the rabbit brain under the effect of a slowly increasing compression. M. IA Voloshyn. Fiziol. zhur. [Ukr.] 9 no. 6:781-786 N-D '63.

Effect of direct current on the electric potentials of the cerebral cortex. T. D Dzhavrishvili. Biofizika 7 no. 5:624-629 '62.

Effect of prolonged minimal stimulation of the interoceptors of the stomach on the electrical activity of the brain in rabbits. R. M. Melikov. Dokl.AN Azerb.SSR 20 no. 5:69-74 '64.

Effect of proprioceptive impulsation on the electrical activity of the cerebral cortex in rabbits. V. M. Vasil'eva, T. S. Mel'nikova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:72-75 '64.

Electric activity of the cerebral hemispheres of Varanus griseus induced by excitation of structures of the diencephalon. M. G. Belekhova. Fiziol. zhur. 49 no. 11. 1318-1329 N '63.

Electrophysiological data on the disorder of the clarity of consciousness in epilepsy and symptomatic spasms A. A. Megrabian, R K. Arutiunian, S L. Avakian Zhur. eksp i klin med 4 no 2:47-54 '64

Functional state of the nervous system in diabetes mellitus and pulmonary tuberculosis patients according to electrophysiological examination. A I Volegov, T. F. Smurova. Probl. tub 42 no 1:73-79 '64

Physiopathology of hemiplegia following an epileptic seizure V. A. Karlov. Zhur nevr i psikh. 63 no. 9 1347-1351 '63

Potential field and α-rhythm on the surface of the human head. Report No 2. IU. V. Dubikaitis, V V Dubikaitis Biofizika 8 no. 1 77-81 '63

Relation between the latent period of the evoked potentials in gyrus suprasylvicus medius and gyrus lateralis pars anterior and the intensity of peripheral excitation. I. Petrek, V. Golda, P. Lisonek. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10 6-10 O '63.

Significance of the diencephalon in the formation of cortical electrical activity. P M Sierkov, R F. Makul'kin. Fiziol. zhur. [Ukr] 9 no. 6:716-721 N-D '63

Some aspects of the use of electroencephalography in medical scientific institutions of the R S. F S R N. P Bekhtereva, V. V Usov Biul Uch med sov 3 no 4 14-20 Jl-Ag '62.

Statistic properties of the electroencephalogram and the electrocorticogram. V. V Usov. Biofizika 7 no 5: 628-632 '62.

Studies on the effect of adreno- and cholinolytic drugs in the trigeminal section of the brain stem R. IU. Il'iuchenok, R B. Matveeva. Farm. i toks. 26 no. 5 525-531 S-O '63

ELECTROGASTROGRAPHY

Dynamics of changes in stomach peristalsis under the influence of diet therapy in patients with stomach and duodenal ulcer based on electrogastrographic data. V.A.Oleneva. Vop pit 22 no.3:14-19 My-Je '63.

Electrogastrogram depending on the nature of the irritant. L. V. Kozhevnikova Sbor. nauch rab. stud. Volg. gos med. inst no. 1:44-49 '60.

ELECTROKYMOGRAPHY

Electrokymographic investigation of the heart in dogs following excision of experimental myocardial infarction. M. N. Tumanovskii and others. Kardiologiia 2 no. 6:22-27 N-D '62.

Importance of electrokymography in examining patients with cardiovascular diseases. G.A.Natsvlishvili, R.I.Gabuniia, L.A.Kakuliia. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz.SSR 11:15-20 '63.

ELECTROLUMINESCENCE

Electroluminescence of diamonds. V. V. Pologrudov, IU. G. Penzin, E. E. Penzina. Opt i spektr. 17 no. 2: 230-234 Ag '64.

Galvanoluminescence of an anode oxide film on aluminum in diethylphthalate. M. I. Eidelberg. Opt. i spektr. 17 no. 2:244-249 Ag '64

ELECTROLYSIS

Apparatus for measuring polarizable electrode potentials by direct and commutator methods. G. M. Vainshtein. Zhur. fiz. khim. 38 no. 3:645-647 Mr '62.

Convective stream concentration in the anodic dissolution of cadmium [with summary in English]. N. S. Fedorova. Zhur. fiz. khim. 38 no. 2:287-289 F '64.

Electrolysis of solutions containing iron and manganese sulfates. R.I.Agladze, T.I.Lezhava. Soob.AN Gruz. SSR 33 no.3:579-584 Mr '64.

Hydration theory. A.M.Zaitseva, I.Z.Fisher. Ukr.fiz. zhur. 9 no.4:383-387 Ap '64.

Water-electrolytic disorders of metabolism in urological diseases. A. IA. Pytel', S. D. Goligorskii. Urologiia no. 1:3-11 '64.

ELECTROLYTE METABOLISM

Effect of the depth of anesthesia on the electrolyte level in the blood serum of dogs. A. V. Sudzhian. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:62-64 O '63.

ELECTROLYTE SOLUTIONS

Aqueous solutions of strong electrolytes. Part 1. A. V. Storonkin, M. D. Lagunov, R. V. Prokof'eva. Zhur. fiz. khim. 38 no. 2:509-511 F '64.

Measurement of the mobility of impurity ions in highly concentrated electrolyte solutions [with summary in English]. E. A. Kaimakov. Zhur. fiz. khim. 38 no. 2: 375-379 F '64.

Refractometric study of supersaturated electrolyte solutions [with summary in English]. A. V. Akhutin, T. A. Komarova, N. A. Figurovskii. Zhur. fiz. khim. 38 no. 2:387-395 F '64.

Relation between electric conductivity and viscosity of solutions [with summary in English]. I. N. Maksimova. Zhur. fiz. khim. 38 no. 2:277-279 F '64.

Some remarks concerning V. S. Galinker, V. A. Tiagai, G N Fenerli's article "Viscosity of mixtures of aqueous electrolyte solutions." A. IA. Deich. Zhur. fiz. khim. 38 no. 2:525-527 F '64.

Theory of the electrostatic interaction of macroions with different discrete surface charge in an electrolyte solution. IU. I. IAlamov. Zhur. fiz. khim. 38 no. 2.463-467 F '64.

Theory of the hydration of ions in aqueous solutions. M N Buslaeva Zhur fiz khim 38 no 2 529-530 F '64

ELECTROLYTES

Effect of acid solvents on the dissociation of electrolytes. A. M. Shkodin. Zhur. fiz. khim. 36 no. 3 595-598 Mr '62.

Temperature-dependent differences in the thermodynamic properties of water and electrolyte solutions. I S. Galinker and others. Ukr. fiz. zhur. 9 no. 4:401-406 Ap '64.

ELECTROLYTES—ELECTROMAGNETIC PROPERTIES

Theory of the complex electric permeability of weak electrolytes. V. M. Eleonskii and others. Zhur. fiz. khim. 36 no. 3:625-628 Mr '62.

ELECTROLYTIC CORROSION

Corrosion-resistance of steel-10 in sea water. T. V. Kemkhadze. Soob.AN Gruz SSR 33 no. 3:635-642 Mr '64.

Effect of pulsewise pressures on the electrolytic corrosion of metals. N. V Afanas'ev, Z F Vorobei, E P. Kuznetsova Dokl. AN BSSR 8 no. 2:97-100 F '64

Thermogalvanic corrosion of metals. Part 2 [with summary in English]. A. IA. Shatalov, I. K. Marshakov, S. A. Kaluzhina. Zhur. fiz. khim. 38 no. 2,380-386 F '64.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC POLISHING

Bipolar electropolishing of tubes. N. V Bogoiavlenskaia, B. E Lumin Stal' 23 no. 4:338-340 Ap '64

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Solution of some problems involving the one-dimensional unsteady motion of a conducting gas under the action of strong electromagnetic fields. G. M. Bam-Zelikovich. Prikl. mat. i mekh. 28 no. 4:664-669 Jl-Ag '64.

ELECTROMAGNETIC WAVES

Conditions of self-excitation of a plane-parallel crystalline plate B. A. Sotskii, A. M. Goncharenko Kristallografiia 8 no 2 278-279 Mr-Ap '63

Excitation of surface waves by discretely distributed nonprotruding sources. M.S.Bobrovnikov, V.L. Mironov, V.P.Smirnov. Izv.vys.ucheb.zav.; radiotekh. 7 no.2:171-179 Mr-Ap '64.

Induced radiation of atoms moving in the field of a strong stationary wave. S. G. Rautian, T A. Germogenova. Opt. i spektr. 17 no. 2:157-167 Ag '64.

Induction of electromagnetic waves in a plasma by external currents. V.F.Aleksin, K.N.Stepanov. Zhur. tekh.fiz. 34 no.7:1210-1223 Jl '64.

Spectrum of surface waves at the interface between a vacuum and a magnetoactive plasma. T.L.Vinnikova, M.A.Gintsburg. Zhur.tekh.fiz. 34 no.5:818-820 My '64.

Wave modes in a surface wave line. N.A.Semenov. Radiotekh.i elektron. 9 no.7:1198-1205 Jl '64.

Waves with complex propagation constants in coupled transmission lines without energy dissipation. A.M. Beliantsev, A.V.Gaponov. Radiotekh.i elektron. 9 no.7:1188-1197 Jl '64.

ELECTROMAGNETS

Characteristics of pulse magnets. O.G.Il'in, A.M. Shenderovich. Zhur.tekh.fiz. 34 no.5:906-910 My '64.

Characteristics of pulse magnets with ferromagnetic cores. O.G.Il'in, A.M.Shenderovich. Zhur.tekh.fiz. 34 no.5:896-905 My '64.

ELECTROMAGNETS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rotary machines and lines, electromagnets] Rotornye mashiny i linii; elektromagnity (MN 5152-63—MN 5154-63). Moskva, Izd-vo standartov, 1964. 52 p. (SSSR. Normali mashinostroeniia)

ELECTROMECHANICAL ANALOGIES

Determination of the mean parameter values of a uniform elastic reservoir using electric models. P. A. Zheleznov. Nauch.-tekh. sbor. po dob. nefti no. 19: 91-97 '63.

Electric modeling of propane drive with subsequent injection of dry gas for a nine-point system of well spacing. L. G. Kogan, V. P. Karpov. Trudy VNII no. 40:167-181 '63.

Use of an electric integrator for the evaluation of the reservoir properties of a reservoir from the production data of the first prospecting wells. P. A. Zheleznov. Nauch.-tekh. sbor. po dob. nefti no. 19:85-90 '63.

ELECTROMETALLURGY

Prokhorenko, K. K., and others. [Making and pouring quality steels] Vyplavka i razlivka kachestvennykh stalei. Moskva, Izd-vo Metallurgiia, 1964. 200 p.

ELECTROMETALLURGY— BY-PRODUCTS

Making use of waste slags obtained in the production of silicomanganese A T Khvichia, S G Samkharadze Trudy GPI [Gruz] no 4:39-42 '62

ELECTROMETALLURGY—TECHNOLOGICAL INNOVATIONS see subdivision under Cehlyabinsk

ELECTROMETER

Theory of a differential dynamic electrometer. S I. Zachek Trudy GGO no. 157 87-93 '64

ELECTROMOTIVE FORCE

Apparatus for measuring polarizable electrode potentials by direct and commutator methods. G. M. Vainshtein. Zhur. fiz. khim. 36 no. 3:645-647 Mr '62.

Change in electromotive forces and catalytic activity of semiconductor catalysts during decomposition of hydrogen peroxide [with summary in English]. V. A. Zhuravlev, A. A. Kuzheliuk. Zhur. fiz. khim. 38 no. 2 271-276 F '64.

Equilibrium of ionic systems with account of discontinuity surfaces. Part I. A. I. Rusanov. Zhur. fiz. khim. 36 no. 3:549-556 Mr '62.

Thermodynamic properties of gallium antimonide studied by the electromotive force method. A.S. Abbasov and others. Dokl. AN SSSR 156 no. 6:1399-1401 Je '64.

ELECTROMYOGRAPHY

Effect of bee and cobra venom on the neuromuscular apparatus in cat. N M Artemov and others Nauch. dokl. vys shkoly; biol nauki no 3;54-61 '64

Myosbony in neuritis of the facial nerve. M P Paskalev. Vop. kur. fizioter. i lech. fiz. kul't no. 6;548-552 '63.

Problems in the interpretation of the electromyogram. Report No. 1: Comparison of the electromyogram upon recording with epicutaneous and needle electrodes R. S. Person. Biofizika 8 no. 1.82-89 '63

Study of internal speech following the disturbance of the function of speech motor analysor. N.A Kryshova, K.M.Shteingart. Dokl. AN SSSR 157 no. 4,998-1000 Ag '64.

ELECTRON BEAMS

Effect of ion focusing in velocity modulated electron beams. N.S. Zinchenko, B.A. Zhigailo. Zhur. tekh. fiz. 34 no. 7:1306-1311 Jl '64.

Use of electron-ray methods in studying gas flows. A.M. Trokhan. Dokl. AN SSSR 157 no. 4:820-821 Ag '64.

Vaporization of metal during its melting with an electron beam. V I Lakomskii, A. L. Tikhonovskii. Avtom svar. 17 no 7 50-53 Jl '64

ELECTRON BEAMS—BOUNDARY VALUE PROBLEMS

Solution of Pierce's problem for a ribbon beam at arbitrary conditions of emission. V.A. Syrovoi. PMTF no. 2:3-7 Mr-Ap '64.

ELECTRON BEAMS—EXPERIMENTS

Experiments in obtaining an electron beam with the help of a hollow, cold cathode V.A Zrazhevskii. Avtom. svar. 17 no 7:91-92 Jl '64

ELECTRON DIFFRACTION EXAMINATION

Electron diffraction data on the structures of sepiolite and palygorskite. B. B. Zviagin, K. S. Mishchenko, V. A. Shitov. Kristallografiia 8 no. 2;201-206 Mr-Ap '63.

Electron diffraction examination of the processes of oxidation of thin films of intermetallic compounds in the system nickel - aluminum. R.I. Nazarova. Izv. AN SSSR. Ser. khim. no 7:1164-1167 Jl '64.

Electronography and X-ray study of the substructure of thin films of nickel and iron condensed in vacuum. L S Palatnik and others. Fiz. met i metalloved. 17 no. 5 726-731 My '64.

Structure of an adsorbed barium film on the face (110) of a tungsten single crystal. D.A. Gorodetskii, A.M. Kornev, IU.P. Mel'nik. Izv. AN SSSR. Ser. fiz. 28 no. 8:1337-1339 Ag '64.

Study of the molecular structure of high-temperature steam based on fast electron scattering. Part 2. N.G Rambidi, V.P. Spiridonov. Teplofiz. vys temp. 2 no 3 464-478 My-Je '64.

Use of electron diffraction microscopy methods in measuring the flexure of ribbon-shaped crystals caused by axial dislocations. V.N. Rozhanskii, G.V. Berezhkova. Dokl. AN SSSR 156 no. 6,1339-1340 Je '64.

ELECTRON MICROSCOPE

Observation of local films of contaminations in a mirror electron microscope. G.V. Spivak, A.E. Luk'ianov, M.G. Abalmazova. Izv. AN SSSR. Ser. fiz. 28 no. 8;1382-1386 Ag '64.

ELECTRON MICROSCOPY

Decomposition of thorium oxide crystals during observation on an electron microscope. V. K. Pirogov. Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1;130-131 '64.

Electron microscopic study of the fertilization process. I. B. Tokin. Arkh. anat., gist. i embr. 43 no. 8:101-114 Ag '62.

Electron microscopy of the diffusion of carbide phases during the electric heating of chromium steel. V. N. Gridnev, IU. N. Petrov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18;115-122 '64.

Electron microscopy of the secondary structure of iron carbonyl. A. A. Petrova and others. Zhur. fiz. khim. 36 no. 3:613-615 Mr '62.

Examination of the contrast in the electron microscopic image. A. N. Piliankevich, I. G Stoianova. Biofizika 8 no 1.101-112 '6?

Quantitative study of effective emitters within wide temperature limits, based on observations of contrasts in electron micrographs G V. Spivak and others. Izv. AN SSSR Ser. fiz. 28 no. 8;1360-1366 Ag '64

Ultrastructure of the nucleus on the basis of electron microscopy of isolated nuclei subjected to extraction by salts G P Georgiev, IU. S. Chentsov Biofizika 8 no. 1·50-57 '63

ELECTRON OPTICS

Calculation of the field of certain electron-optical devices devices. L. E. TSyrlin. Zhur. tekh. fiz. 34 no. 7: 1293-1305 Jl '64.

ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

ELECTRON-TUBE VOLTMETER

Possibilities of using electron diffraction for absolute measurement of high voltages G. G Stepanenkov Izm. tekh. no. 3·36-38 Mr '64

ELECTRON TUBES

Pivovarov, G. IA. [Technical and chemical processes in the manufacture of electrical vacuum devices] Tekhnokhimicheskie protsessy elektrovakuumnogo proizvodstva. Moskva, Izd-vo "Energiia," 1964. 303 p.

ELECTRONEGATIVITY

Calculation of the ionicity of bonds in complex ions by the method of electronegativity. S.S. Batsanov. Zhur. neorg. khim. 9 no. 6;1323-1327 Je '64.

ELECTRONIC ANALOG COMPUTERS

Use of analog computers in the iterative process of determination of control in a certain optimal system. V.V. Aleksandrov Vest. Mosk. un. Ser. 1; Mat., mekh. 19 no. 4;54-58 Jl-Ag '64.

Use of analog computers in the study of electromagnetic and electromechanical instability of an electrical system. N. D. Anisimova Izv. vys. ucheb. zav , energ. 7 no. 7 80-84 Jl '64.

ELECTRONIC APPARATUS AND APPLIANCES

Experience gained in the operation of AI-50-2 multichannel amplitude analyzers. I. I. Rogushin, K. F. Kuznetsov, A. I. Kozyr'. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6;171-178 '63.

ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elek. i ee prim. no. 8 Ag '64.

ELECTRONIC APPARATUS AND APPLIANCES—TESTING

Adjustment and control of a device for converting nanosecond intervals into a digital code. E. I. Rekhin. Nauch.-tekh. sbor. Gos izd-va lit. v obl. atom. nauki i tekh. no. 6;146-150 '63.

Adjustment and control of an AI-50-2 analyzer with consecutive-type memory. A. I. Kozyr', I. I. Rogushin, K. F. Kuznetsov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6;151-158 '63.

Apparatus for testing matrices and memory systems. A. L. Belous, V. V. Pashvykin, G. P. Pekhov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6.120-139 '63.

Dynamic method for quality testing of units. S. S. Kurochkin and others. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6;159-170 '63.

ELECTRONIC CIRCUITS

Labutin, V. K. [Oscillatory circuit tuned by a nonlinear capacitance] Kolebatel'nyi kontur, perestraivaemyi nelineinoi emkost'iu. Moskva, Izd-vo "Energiia," 1964. 94 p.

ELECTRONIC COMPUTERS

Adjusting triangulation networks with the help of the "Ural" electronic machine. A.V. Khlebnikov [Trudy] VNIMI no. 47;345-356 '62.

Automation of engineer's work. N. Bolgarov. NTO 6 no. 5;16-18 My '64.

Certain problems in the designing of net integrators and methods for solving problems of nonsteady gas flow. P. M. Belash, A. M. Kirilichev. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7;83-89 '63.

Concerning L.S. Gandin's book "Objective analysis of meteorological fields." V.P. Boltenkov, S.I. Titov. Meteor. i gidrol. no. 8;49-50 Ag '64.

Determination of technical and economic indices of the operation of a 200 Mw block using a control computer. N. S Chernetskii and others. Teploenergetika 11 no. 7 20-24 Jl '64.

Display systems using digital glow-discharge tubes. A. M. Shauman and others. Vych. tekh. i vop. prog. no. 2;79-88 '63.

Formulation of a problem on the recognition of objects with multiple parameters and methods for solving it. V.L. Brailovskii, A.L. Lunts. Izv. AN SSSR. Tekh. kib. no. 1;20-31 Ja-F '64.

Fulfilling operations using a keyboard table computer. M. K. Chirkov, A. M. Shauman Vych. tekh. i vop. prog. no. 2;54-61 '63.

Inverted diodes L.A. Logunov, N.K. Rudneva, E.B. Cherniak. Radiotekh. i elektron 9 no 7;1258-1269 Jl '64.

Kazachkov, D. L. [Mechanization of structural design] Mekhanizatsiia proektno-konstruktorskikh rabot. Moskva, Mashinostroenie, 1964. 179 p.

Lazarev, V. G., and E. I. Pill'. [Synthesis of asynchronous finite automata] Sintez asinkhronnykh konechnykh avtomatov. Moskva, Izd-vo "Nauka," 1964. 258 p.

Matrix method for minimizing the number of internal states of asynchronous finite automata. V.G. Lazarev. Izv. AN SSSR. Tekh. kib no. 1;36-38 Ja-F '64.

Precalculation of a hydrography by the water budget method using an electronic computer G P Kalinin, A G Levin Meteor i gidrol no 7;3-10 Jl '64

Prospects for using the "Zenit-2" electronic computer in the petroleum and petrochemical industries M M. Ladyzhenskii Mash. i neft. obor. no. 2;30-35 '64.

Realization of Boolean functions using threshold devices. E.A. Butakov, A.D. Zakrevskii Izv. AN SSSR. Tekh. kib. no. 1·39-49 Ja-F '64.

Selection of an interference-free code. A. M. Shauman. Vych. tekh. i vop. prog. no. 2;3-15 '63.

Seminar on the Use of Electronic Computers in Hydraulics. N.A. Pritvits. Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1;139-141 '64.

Standard accounting with the use of electronic calculating machines V Lukin Bukhg uchet 20 no. 12.6-8 D '63

Synthesis of switching circuits using an electronic computer. A. N. Mal'tsev. Vych. tekh. i vop. prog. no. 2;39-53 '63.

Synthesis of the control networks of algorithmic systems. V. F. D'iachenko. Probl. pered. inform. no. 15;13-22 '63.

Tozoni, O. V. [Mathematical models for the calculation of electrical and magnetic fields] Matematicheskie modeli dlia rascheta elektricheskikh i magnitnykh polei. Kiev, Naukova dumka, 1964. 301 p.

Use of automatic computers in studying the aerodynamics of the runners of steam turbines L. Belik Teploenergetika 11 no. 7 85-89 Jl '64

Use of D-type code rings in coding converters. G.F. IAnbykh. Izv. AN SSSR. Tekh. kib. no. 1;75-85 Ja-F '64.

Using electronic computers for the statistical analysis of agrometeorological data. O D Sirotenko. Meteor. i gidrol. no 6 30-34 Je '64

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. no. 8 Ag '64.

[Journal of abstracts: Cybernetics] Ref. zhur.: Kib. no. 7 Jl '64.

ELECTRONIC COMPUTERS—CIRCUITS

Logical features of real threshold elements. M A. Rozenblat, B.M. Gendler. Izv. AN SSSR. Tekh. kib. no. 1;50-64 Ja-F '64.

Method for recording in carrying out logical operations using multicore magnetic elements M. A. Rozenblat, N. D. Nanobashvili. Elektrotekhnika 35 no. 5·56-58 My '64.

Minimization of composite logical networks consisting of one-function elements. V.M. Ozernoi. Izv. AN SSSR. Tekh. kib. no. 1;32-35 Ja-F '64.

ELECTRONIC CONTROL

Automatic control of hopper charging. N.V. Degtiarik, M.A. Kovalenko, A.A. Snegirev. Mekh. i avtom. proizv. 18 no. 1;11-14 Ja '64.

Automatic regulation of the delivery of a deep well pump. A.M. Veselov. Mekh. i avtom. proizv. 18 no. 1;10-11 Ja '64.

Automatic testing of solutions in ampuls. A.I. Novikov, B.S. Aleksandrov. Mekh. i avtom. proizv. 18 no. 1: 16-18 Ja '64.

Controllers with self-changing settings for optimization of electric arc welding operations P. P. Sheiko. Avtomatyka 9 no. 4;89-92 '64.

ELECTRONIC DATA PROCESSING

Coding and organization of economic information for the solution of various problems in material and technical supply with electronic digital computers. T. M. Askerov. Za tekh. prog. 3 no. 11;40-43 N '63.

Great research; among Kiev computer workers. Lev Katolin. Nov. mir 40 no. 2;168-185 F '64.

Theory of automatic systems and some of its applications. V. M. Glushkov. Vest. AN SSSR 34 no. 7:25-30 Jl '64.

Use mathematical methods in planning work. V. V. Vasil'ev. Khleb. i kond. prom 8 no. 7;24-28 Jl '64.

ELECTRONIC DATA PROCESSING—AIR WARFARE

Electronics and aerial tactics. V. Romasevich, V. Barabanov. Av. i kosm. 47 no. 9·38-44 S '64.

ELECTRONIC DATA PROCESSING—BUILDING

Novosibirsk. Inzhenerno-stroitel'nyi institut. Kafedra vysshei matematiki. [Concise manual on computer techniques; a manual for students of the Novosibirsk Construction Engineering Institute] Kratkii spravochnik po tekhnike vychislenii, uchebnoe posobie dlia studentov Novosibirskogo inzhenerno-stroitel'nogo instituta. Novosibirsk, 1961. 85 p.

[MICROFILM]

ELECTRONIC DATA PROCESSING—CARGO HANDLING

Calculation algorithm for the electronic computer; problems on selecting a system for supplying cars to harbors in combined transportation V Z Anan'ina Ekon i ekspl. mor transp no.1 61-68 '63

ELECTRONIC DATA PROCESSING—GAS DISTRIBUTION

Algorithm for calculating the optimal structure of the energy balance on an electronic computer taking into consideration the conditions of gas consumption. IU.A Kuznetsov, A.I.Shvartsberg. Gaz.prom. 9 no.6:15-19 '64.

ELECTRONIC DATA PROCESSING—HYDRAULIC JUMP

Calculating hydraulic jump with the use of electronic computers. K P Vishnevskii Trudy Giprovodkhoza no. 22:137-140 '63.

ELECTRONIC DATA PROCESSING—MINE SURVEYING

Khlebnikov, A. V., and Chung Wei-ling. [Mechanization and automation of mine surveying computations] Mekhanizatsiia i avtomatizatsiia marksheiderskikh vychislenii. Moskva, Nedra, 1964. 182 p.

ELECTRONIC DATA PROCESSING—PETROLEUM—TRANSPORTATION

Savin, V. I., N. P. Morozov, and B. V. Mozzherin. [Optimum use of transportation technology in ports and river terminals; manual for groups on the raising of qualifications of engineers and technicians in the Ministry of the River Fleet of the Russian Soviet Federated Socialist Republic] Optimal'noe ispol'zovanie peregruzochnoi tekhniki v portakh i prirechnykh neftebazakh, uchebnoe posobie dlia grupp povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov Ministerstva rechnogo flota RSFSR. Gor'kii Gor'kovskii in-t inzhenerov vodnogo transp. 1963. 33 p.

ELECTRONIC DATA PROCESSING—PLANNING

Organization of economic information in enterprises using electronic computers. Sh Kamaletdinov Vest. stat. no. 7:55-58 '64.

ELECTRONIC DATA PROCESSING—TRIANGULATION

Using Newton's method to process the results of geodetic measurements. N.A.Taranichev. Geod.i kart. no.4: 22-27 Ap '64.

ELECTRONIC DIGITAL COMPUTERS

Automatic control of the operation of a digital computer. A.V.Petrosian, B.S.Mnatsakanian. Izv.AN SSSR.Tekh kib. no.1.65-72 Ja-F '64.

Certain possibility for visual data registration using a digital computer. V.S.Revenko, G G.Grigor'ev, A.M.Shauman. Vych.tekh.i vop.prog. no.2 97-104 '63.

Electronic digital computer for sorting sheets. M.G. Kogon, M.E.Parylis, K.N.Svidler. Mekh.i avtom proizv. 18 no.1:41-42 Ja '64.

High-frequency "puming" systems of parametronic digital computers. N. O. Dolyns'ka and others Avtomatyka 9 no. 4·37-48 '64.

It is not obligatory to count by tens. E Drozdov. Tekh. i vooruzh. no 3:20-23 Mr '64.

Use of automations in the control blocks of digital computers. Avtomatyka 8 no.6:11-16 '63.

Variation method for the thermal calculation of pipelines using electronic digital computers. N. U. Koida Izv vys ucheb. zav., energ. 7 no.6·93-96 Je '64.

ELECTRONIC INSTRUMENTS

(see also subdivision under Denmark)

Transistor voltage switch for multichannel measurement units. M. B. Leitman. Za tekh. prog. 3 no.11:6-10 N '63.

ELECTRONIC MEASUREMENTS

Contactless measurement of the linear dimensions of bodies using television. G. IA. Pudkov, V. S. Revenko. Vych. tekh. i vop. prog. no. 2.62-71 '63.

Grinevich, F. B. [Automatic a.c. bridges] Avtomaticheskie mosty peremennogo toka. Otv. red. K. B. Karandeev. Novosibirsk, Red. izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 213 p.

Precise measurements of the amplitude characteristics of ferrite cores with rectangular hysteresis loops. A. F. Ioffe. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6:114-121 '63.

Pulsed summation automatic volumeter for transverse flow of lumber. A.M.Kiliakov. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:153-161 '63.

Sinitsyn, B. S. [Automatic correlators and their applications] Avtomaticheskie korreliatory i ikh primenenie. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 215 p.

Some features of using television in measurements. G.IA Pudkov, N.V.Mikhailova. Vych. tekh. i vop. prog. no. 2:72-78 '63.

ELECTRONICS

[Principles of industrial electronics] Osnovy promyshlennoi elektroniki. [By] A. P. Dorokhov i dr. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 214 p.

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref.zhur.: Elek.i ee prim. no.8 Ag '64.

ELECTRONOGRAPHY see Electron diffraction examination

ELECTRONS

Electron energy distribution function in a positive discharge column. IU.M.Kagan, R.I.Liagushchenko. Zhur.tekh.fiz 34 no.5·821-827 My '64.

Electron velocity distribution in a positive column in a gaseous mixture. N.A.Vorob'eva, IU M.Kagan, V M. Milenin. Zhur.tekh fiz. 34 no.5:828-832 My '64.

Method of the quasi-mean in the Fermi system theory with a nonzero orbital moment of pairs. A. V. Svidzinskii, V. A. Sliusarev. Fiz. met. i metalloved. 17 no. 6:801-803 Je '64.

Structure of the energy zones of current carriers in crystals of the $Cd_3N_2(Th^7)$ type. M V Tarnavs'ka Ukr. fiz. zhur. 8 no. 9:961-966 S '63.

X-ray investigation of the electron structure of alloys in the system titanium-chromium. N D. Borisov, V. V. Nemoshkalenko. Sbor. nauch. rab Inst metallofiz. AN URSR no. 18,202-205 '64

ELECTRONS—CAPTURE

Ionization and electron capture in collisions between hydrogen ions with atoms and molecules of gases. IU S.Gordeev, M.N.Panov. Zhur.tekh.fiz 34 no 5·857-860 My '64.

ELECTRONS—EMISSION

Theory on the effect of impurities on the thermoelectron emission of tungsten K. P. Gurov, A I. Pekarev. Fiz. met. i metalloved 17 no. 4·500-504 Ap '64.

ELECTRONS—SCATTERING

Analytical representation of the atomic factors of scattering for electrons. F. A Brusentsev, V. F. Dvoriankin Kristallografiia 8 no. 2:260-263 Mr-Ap '63

Collective excitations of nuclei under electron scattering. V.K.Luk'ianov, I.Zh.Petkov. Izv.AN SSSR.Ser.fiz. 28 no.7·1207-1211 Jl '64.

Elastic scattering of electrons by lithium atoms in the polarization-exchange approximation. I. Zh. Vinkalis, E. M. Karule, V. D Ob'edkov. Opt. i spektr. 17 no. 2: 197-202 Ag '64.

Making allowance for polarization and exchange in the theory of electron-atom collisions. V D. Ob'edkov. Opt. i spektr. 17 no. 2.189-196 Ag '64.

Scattering of current carriers on optical vibrations. A.G.Samoilovich, I.V.Gvozdovskii. Dokl.AN SSSR 157 no.4:841-844 Ag '64.

Scattering of lengthwise polarized electrons by scalar particles. A. A. Bogush. Dokl. AN BSSR 7 no. 12: 807-810 D '63.

ELECTRONS—SPECTRA

Electron spectra of a series of aromatic molecules in solutions. L. F. Gladchenko, L. G. Pikulik, N. L. Belozarevich. Opt. i spektr. 17 no. 2.209-212 Ag '64.

Energy spectrum of current carriers in compounds of the V_2O_5 type. D. M. Nemus. Ukr. fiz. zhur. 8 no. 9: 954-960 S '63

ELECTROOSMOSIS—TESTING

Laboratory and actual testing of electro-osmotic methods of drying and steamproofing mine bath walls B V Matveev. Adm -byt. ugol'. shakht no 5·92-100 '62

ELECTROPHORESIS

Clinical observations of the effect of electrophoretic administration of Schisandra preparations on the improvement of the visual function of the eye. A.N. Golovin, L.A.Golovina. Mat.k izuch.zhen'.i drug.lek. rast.Dal'.Vost. no.5:281-285 '63.

Methodology for the marking of electrophoretic curves (densitograms) on the fractional teeth V P Kvetkov. Lab delo no 7 418-419 '64.

Study of lipoproteins in the blood of donors by agar gel electrophoresis using previously colored blood plasma. L. L. Dellamure. Vop. med. khim. 9 no. 2:200-204 Mr-Ap '63.

Use of electrophoresis combined with inductothermy or ozocerite in treating lumbosacral radiculitis. N. P. Krylov. Vop. kur., fizioter. i lech. fiz. kul't no. 6:541-546 '63.

ELECTROPHYSIOLOGY

Afferent impulsation in the sciatic nerve of rabbits in experimental inflammation in the gastrocnemius muscle. O. S. Sherstn'ova. Fiziol. zhur. 10 no. 1:109-113 '64.

Characteristics of prolonged depolarization of the central branches of afferent fibers in the spinal cord of a frog. P. G. Kostiuk, V. B. Timchenko. Fiziol. zhur. 49 no. 11: 1369-1377 N '63.

Duodenal function in mechanical stimulation of the stomach in peptic ulcer. R. P. Makos'. Fiziol. zhur. 10 no. 1:131-134 '64.

Effect of stimulation of the cerebral cortex on the electric activity of the respiratory muscles of a cat. V. M. Storozhuk, A. G. IAshchenko. Fiziol. zhur. 49 no. 11: 1345-1352 N '63.

Effect of vagotomy on respiratory muscle function. A. A. Nuridzhanova. Fiziol. zhur. 10 no. 1·113-116 '64.

Effect of vestibular stimuli on certain functions of human organism. Report No. 3 Electrophysiological changes under the effect of Coriolis accelerations on man. V. I Kopanev. Izv. APN no. 129:194-199 '63.

Electric responses of the peripheral section of the auditory system in various mammals. A. V. Baru, A. M. Maruseva. Fiziol. zhur. 49 no. 11:1330-1336 N '63.

Electric structure of excited tissues and the mechanism of the transmission of nerve impulses L. M Chailakhian. Biofizika 7 no. 5:639-651 '62.

Electrodes for recording the biopotentials of nerves in a chronic experiment. V. N. Barnatskii, E. V. Vinogradov. Fiziol. zhur. 49 no. 11:1381-1382 N '63.

Electrophysiological research on the interaction of visceral impulses in the cerebellar cortex. N. V. Bratus. Fiziol. zhur. 10 no. 1:16-24 '64.

Electrophysiological study of the consequences of ventral hemisection of the spinal cord in cats. A. N. Potapov. Fiziol. zhur. 49 no. 11:1353-1359 N '63.

Examination of the effect of narcotics on the transfer of stimuli in the spinal cord using intracellular microelectrodes. A.I.Shapovalov. Farm.i toks. 26 no.2:150-156 Mr-Ap '63.

Excitability in parameciums following stimulation by impulses of direct and alternating current. A. S. Presman. Biofizika 8 no. 1·138-140 '63.

Formation of a membrane potential in the early period of ontogenesis and its connection with the size of the muscle fiber S I. Fudel'-Osipova, O. A. Martynenko Biofizika 8 no. 1·45-49 '63

Nature of biopotentials of nerve and muscle fibers. Report No. 2: Advantages and disadvantages of the current phase theory of biopotentials. E. A. Liberman, L. M. Chailakhian. TSitologiia 5 no. 4:440-448 Jl-Ag '63.

New data on the existence of a system of excitation in Paramecium caudatum Ehrbg. Report No. 2. Reactions of P. caudatum to a. c. pulses. A. S. Presman, S. M. Rappeport Nauch dokl. vys. shkoly; biol nauki no 3·44-48 '64.

New method of attaching the electrodes of an implanted electric stimulator. V. S. Savel'ev. Grud. khir. 5 no. 5:98-100 S-O '63.

Primary evoked potentials between different levels of the primary auditory zone of the cerebral cortex. O. F. Dembnovets'kyi. Fiziol. zhur. 10 no. 1:25-30 '64.

Resting potential in the muscles of rat embryos. O. A. Martynenko. Fiziol. zhur. 10 no. 1:107-109 '64.

Role of energetic barriers in the origin of membrane potential differences. E. A. Liberman Biofizika 8 no. 1:136-138 '63.

Study of the electrical conductivity of the spleen tissue in irradiated animals. E V. Burlakova, M L. Kakushkina. Nauch. dokl. vys. shkoly; biol. nauki no. 3,87-90 '64.

Taking an electrogram of nerve trunks using apparatuses with direct recordingandquantitative evaluation of the activity of the nerve. N. I. Losev, S. B. Kuz'minykh. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:119-122 O '63.

ELECTROPLATING

Effect of electroplating on the strength of press fits. G. A. Bobrovnikov. Vest. mashinostr. 43 no 12:32-35 D '63.

ELECTRORETINOGRAPHY

Electroretinographic study of the factors of ocular adaptation. V. D. Glezer, V. A. Ivanov. Fiziol. zhur. 49 no. 11:1337-1344 N '63.

ELECTROSTATIC PRECIPITATION—EQUIPMENT AND SUPPLIES

Small-scale electric current feeding device to an electrostatic precipitator. A.A.Kekin, A.P.Shchetilin, N.V.Nenashev. Trudy Inst.gor.dela AN Kazakh.SSR 12:164-171 '63.

ELECTROTHERAPEUTICS

Therapeutic effect of anodic galvanization of the brain in prolonged pregnancy. L. L. Levinson, S. N. Davydov. Akush. i gin. 39 no. 5:19-21 S-O '63.

Use of pulsating electrical current (electrosleep) in the treatment of pregnancy toxemias. M. D. Pasternak. Akush. i gin. 40 no. 1:69-74 Ja-F '64.

ELEMENTARY EDUCATION see Education, Elementary

ELEPHANTIASIS

Focal elephantiasis of the upper extremity following mastectomy in a patient suffering from elephantiasis of a lower extremity. E. I. Gol'denshtein. Vop. onk. 9 no. 6:79-81 '63.

ELEPHANTS, FOSSIL

Methods for studying the teeth of fossil elephants. Vera Gromova. Biul.Kom.chetv.per. no.29:165-167 '64.

ELEUTHEROCOCCUS

Changes in conditioned reflex activity in dogs under the influence of Eleutherococcus. T.M.Kucherenko. Mat. k izuch.zhen'.i drug.lek.rast.Dal' Vost no 5:229-232 '63.

Comparative data on the effect of ginseng and Eleutherococcus on artificially raised level of blood sugar. I.I. Brekhman, T.P.Oleinikova. Mat.k izuch.zhen'.i drug. lek.rast Dal'.Vost. no 5;249-251 '63.

Effect of fluid extracts of the roots of ginseng and Eleutherococcus on dark adaptation and visual acuity. M.V.Shchichenkov. Mat.k izuch zhen'.i drug.lek. rast.Dal'.Vost. no.5:241-244 '63.

Effect of ginseng and Eleutherococcus on basal metabolism I.V.Dardymov. Mat.k izuch.zhen' i drug.lek. rast.Dal'.Vost. no 5;245-248 '63.

Effect of ginseng and Eleutherococcus on the indices of the work of radiotelegraph operators M.A.Medvedev. Mat.k izuch.zhen' i drug.lek rast.Dal'.Vost. no.5; 237-240 '63.

Effect of tinctures of the roots, stems and leaves of Eleutherococcus and ginseng on the mental work of man; a proofreading test. P.P.Golikov. Mat.k izuch. zhen'.i drug lek.rast.Dal'.Vost. no 5;233-235 '63.

Increasing the resistance of the organism with preparations derived from Eleutherococcus. G F.Kolotlin, S.N.Boiko. Mat.k izuch.zhen'.i drug.lek.rast.Dal'. Vost. no.5;257-259 '63.

ELEVATORS

Using a hydraulic elevator in drilling. I. IA Kapustin. Azerb.neft.khoz. 43 no.5;19-20 My '64.

ELIZAROVA-UL'IANOVA, ANNA IL'INICHNA, 1864-1935

Anna Il'inichna Elizarova-Ul'ianova. V.Prokoshev. Nar.obr. no 8:99-101 Ag '64

Anna Il'inichna Elizarova-Ul'ianova, on the 100th anniversary of her birth. E.I.Poliakova, A.S. Masal'skaia. Vop.ist.KPSS 8 no.8.85-89 Ag '64.

ELLIPSOID

Pressure distribution over surfaces of ellipsoids. A.I. Shvets. Vest. Mosk.un.Ser.1: Mat.,mekh. 19 no.4: 42-48 Jl-Ag '64.

ELM—DISEASES AND PESTS

Mist spraying against elm bark beetles. A.D.Maslov. Khim.v sel'.khoz. 2 no.4,33-34 Ap '64.

ELOCUTIONISTS

The reader and reciter. B Kuznetsov Starsh.-serzh. no. 7:26-27 Jl '64.

EMBEZZLEMENT see subdivision under Kuytun District; Udomlya (Kalinin Province)

EMBOLISM

Pathogenesis and clinical aspects of cerebral embolism in mitral commissurotomy. N.K.Bogolepov, S.A. Kolesnikov, L.O.Badalian. Grud.khir. 5 no.5;3-9 S-O '63.

EMBRYOLOGY

Development of the pregeniculate nucleus in man and its functional significance. N.S.Preobrazhenskaia. Zhur. nevr.i psikh. 63 no.9;1368-1375 '63.

Plenum of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists, Voronezh, June 11-12,1963. L.E.Etingen. Arkh. anat.,gist.i embr. 45 no.12,74-79 D '63.

Resting potential in the muscles of rat embryos. O.A. Martynenko. Fiziol.zhur. 10 no.1;107-109 '64.

Some data on disorders of embryogenesis following changes in the body temperature of pregnant animals. N.A.Tripol'skaia. Akush.i gin. 39 no.5;70-74 S-O '63.

EMBRYOLOGY—AMPHIBIA

Transplantation of nuclei from the ectoderm and neural rudiment of developing embryos in Bufo bufo, Rana arvalis and Rana temporaria into enucleated eggs of the same species. L.A.Nikitina. Dokl.AN SSSR 156 no.6; 1468-1471 Je '64.

EMBRYOLOGY—CONGRESSES

Fourth Conference of Embryologists. B.P.Tokin. Arkh. anat.,gist.i embr. 45 no.12,79-83 D '63.

EMBRYOLOGY (BOTANY) see Botany—Embryology

EMBRYOLOGY, HUMAN

Embryonic histogenesis of the epidermis and its derivatives. I.G.Pridvizhkin, L.B.Berlin. Dokl.AN SSSR 158 no.1;199-201 S-O '64.

"Problems in human embryology, papers of the Department of Normal Anatomy of the Astrakhan Medical Institute," no.2, 1961. Reviewed by M.S.Spirov. Arkh.anat.,gist.i embr 43 no.11;114-118 N '62.

EMIN, KEVORK, 1918-

Through the language of poetry. Arsenii Tarkovskii. Nov.mir 40 no.2;252-255 F '64.

EMINENT DOMAIN

Judicial practice of expropriating dwellings erected or acquired by citizens for the purpose of securing unearned income A Bonner Sov iust 28 no.7 6-8 Ap '64

EMPLOYEE INCENTIVES see Incentives in industry

EMPLOYEES, DISMISSAL OF

(see also subdivision under Udomlya, Kalinin Province)

Our practice. V.Khomenkov Okhr.truda i sots.strakh. 7 no.5 34 '64

Revenge for insubordination. A.Ustinova. Sov profsoiuzy 20 no.15 39 Ag '64

EMPLOYEES, IDENTIFICATION OF see Labor passports

EMPLOYEES, TRAINING OF

Courses for improving the skills of workers in the laboratories and technical control divisions of macaroni factories N A Mankeeva. Khleb i kond prom. no.7;42 Jl '64.

EMPLOYEES' BUILDINGS AND FACILITIES—DESIGN AND CONSTRUCTION

Experimental design of a new type of administration and general services building. V V.Blokhin, IU.V. Beresnevich. Adm.-byt.komb ugol'.shakht no 5;18-25 '62.

EMPLOYERS' LIABILITY

Kaftanovskaia, G.P. [Compensation for personal injuries] Vozmeshchenie ushcherba, prichinennogo zdorov'iu. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 65 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Simonenko, G.S. [Material compensation for workers and employees in industrial accidents and occupational diseases] Material'noe obespechenie rabochikh i sluzhashchikh pri trudovom uvech'e i professional'nom zabolevanii. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 90 p.

EMULSIFYING AGENTS

Viscosity of concentrated soap pastes of disproportionated rosin A.V Khoroshin, F.S Shenderovich, M.S Nemtsov Kauch i rez 23 no.7.21-23 Jl '64

EMULSIONS

Application of acoustic vibrations for the production of finely dispersed emulsions. K.B.Kotliarevskaia, E.A.Maier, B.P.Kondratenko. Kozh.-obuv.prom. 6 no.7;27-30 Jl '64.

Continuous-action unit for the production of a demulsifier. G.F.Ivanovskii and others. Nefteper.i neftekhim. no.5;5-6 '64.

Determination of the dispersion of petroleum emulsions by centrifugation using surface active substances. I.D. Muratova. Nefteprom.delo no.4;24-26 '63.

Factory tests of new emulsion breakers. A.T.Sereda. Nefteper i neftekhim. no.8;9-11 '63

Highly effective method for obtaining acetylene by electrocracking petroleum emulsions. L.V.Semenov, V.P.Davydov, O.M.Chukanova. Nefteper.i neftekhim. no.2;29-32 '64.

Operation of an electric desalter on a nonionogenic oxyethylene fatty acid demulsifier. I.E.Isofidi and others. Nefteper.i neftekhim. no.5;3-5 '64.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENAMEL AND ENAMELING

Behavior of iron oxides during the interacti
with an enamel melt. IU.P.Nikitin and c
nauch.trud.Ural.politekh.inst. no.12

ENCEPHALITIS

Conditioned reflex method in successi
encephalitic Gunn's syndrome. G.A
nevr.i psikh. 63 no.9;1329-1332

Psychic changes in epileptic disease (
and symptomatic epilepsy based on
R.Kh.Gazin. Trudy Gos.nauch.-iss
245-254 '63.

Use of a granulated type DDT prepara
of the vectors of tick-borne encephal
A.I.Sadovnikov, I.V.Uspenskii. Me
bol. 32 no.4;476-480 Jl-Ag '63.

ENCEPHALITIS, EPIDEMIC see subd
Siberia

ENCEPHALOMYELITIS

Methods of the diagnosis of rabies an
alomyelitis in horses. N I Rudikov
no.4;14-16 Ap '64.

ENCYCLOPEDIAS AND DICTIONARIE

[Encyclopedic dictionary in two volum
cheskii slovar' v dvukh tomakh. Gl
Vvedenskii i dr. [Moskva] "Sovets
Vol.2, Maskat - IAia, [1964]

ENCYRTIDAE

Systematic position of the parasitic hymenopteron Coccidencyrtus ambiguus (Nees) (Hymenoptera, Encyrtidae). V.A.Trjapitsyn. Ent.oboz. 42 no 4 884-888 '63

ENDOCRINE GLANDS

Symposium on cell division and regeneration of endocrine glands V V Makhovko, IU A Romanov. Arkh. anat.,gist i embr. 13 no 11 119-121 N '62.

ENDOCRINOLOGY

Endocrinologic problems in psychiatry. I.A.Polishchuk. Trudy Gos.nauch.-issl.psikhonevr.inst. 29;157-169 '63.

ENDOTHELIUM

Effect of human papilloma virus extracts on rabbit endothelial explants. M.P.Ptokhov. Vop.onk. 9 no.6; 34-41 '63.

ENDOTOXIN

Mechanisms of the pathogenic action of endotoxins of microbes of the intestinal group. A.D.Ado. Usp.sovr. biol. 55 no.2:239-254 Mr-Ap '63.

ENEMA

Submerged intestinal lavage and intestinal irrigation without a bath in nephrolithiasis. P K.Shaposhnikov Vop.kur.,fizioter.i lech fiz.kul't no.6.536-541 '63.

ENERGY BINDING see Binding energy

ENGEL'S—LIBRARIES

Let us secure effectiveness. A.Grigor'eva. Bibliotekar' no 7 6-10 Jl '64

ENGINEERING GEOLOGY

(see also subdivision under Baku Archipelago; Soviet Far East)

Akademiia nauk Kazakhskoi SSR, Alma-Ata. [Rheological problems of the mechanics of rocks] Reologicheskie voprosy mekhaniki gornykh porod. Alma-Ata, 1964. 155 p.

Bondarik, G.K. [Dynamic and static soil sounding in engineering geology] Dinamicheskoe i staticheskoe zondirovanie gruntov v inzhenernoi geologii. Moskva, Izd-vo "Nedra," 1964. 162 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no.8)

Statistical-genetic method for studying fracturing M.V. Rats. Biul.MOIP.Otd.geol. 38 no.6;54-64 N-D '63.

Viitenburg, P.V. [Practical handbook for geological engineers] Prakticheskoe rukovodstvo dlia tekhnikov-geologov. Izd.2., perer. i dop. Leningrad, Nedra, 1964. 486 p.

ENGINEERING GEOLOGY—MAPS

Methodology of engineering geology mapping. M.P. Semenov. Trudy Lab.inzh.gidrogeol.VODGEO no.5· 3-28 '63.

ENGINEERING MATHEMATICS

Novosibirsk. Inzhenerno-stroitel'nyi institut. Kafedra vysshei matematiki. [Concise manual on computer techniques; a manual for students of the Novosibirsk Construction Engineering Institute] Kratkii spravochnik po tekhnike vychislenii; uchebnoe posobie dlia studentov Novosibirskogo inzhenerno-stroitel'nogo instituta Novosibirsk, 1961. 85 p.

ENZYMES

Activity of some enzymes of the skin in tissue transplantations in hypothermia. M.I.Tediashvili, G V.TSitskishvili Trudy Inst.eksp.i klin.khir.i gemat AN Gruz SSR 11 33-39 '63.

Analogs of coenzymes of carbohydrate metabolism. Report No 4: Synthesis of 6-azauridine diphosphate glucose F.I.Budovskii and others. Izv AN SSSR Ser. khim no 7 1235-1241 Jl '64

Biochemical indices of the blood in healthy experimental animals M G Tediashvili, T M Goderdzishvili Trudy Inst eksp i klin khir i gemat AN Gruz.SSR 11: 113-122 '63

Changes in some enzymes of the blood during bloodletting and transfusion in hypothermia. T.M Goderdzishvili, E.D Pagratloni, L.Sh Tevdoradze Trudy Inst.eksp.i klin khir i gemat AN Gruz SSR 11 29-34 '63.

Effect of aminazine and reserpine treatment on enzyme activity (catalase, transaminase and aldolase) in the blood of schizophrenia patients. V. M. Vashetko. [illegible] 10 no.1 82-88 '64.

Effect of proteolytic enzymes on fish proteins in the presence of antiseptics G K Koval'chuk Trudy Azcherniro no 21 53-60 '63

Extraction of proteolytic enzymes from malt shoots. N.V.Levonovich, IU.D.Kaprova. Trudy TSentr.nauch.-issl inst.piv.,bezalk i vin.prom. no.10 130-132 '63.

EOSINOPHILS

Diagnostic activity of eosinophils in eosinophilias of allergic origin IU F Vaites Lab delo no 7 434-438 '64

EPHEDRA

Anatomical and microchemical analysis of the distribution of ephedrine and tanning substances in the shoots of ephedras. M Khazhmuratov Trudy Inst bot, AN Kazakh SSR 16 249-267 '63

EPHEDRINE

Anatomical and microchemical analysis of the distribution of ephedrine and tanning substances in the shoots of ephedras M Khazhmuratov Trudy Inst bot AN Kazakh SSR 15·249-267 '63

Conditions for the extraction of ephedrine from aqueous solutions by organic solvents at various pH values O P Mel'nychuk Farmatsev zhur 16 no 1 18-21 '61

EPHEMERIDES

Akademiia nauk SSSR. Institut teoreticheskoi astronomii. [Ephemerides of minor planets for 1965] Efemeridy malykh planet na 1965 god. 19. god. izd. Moskva, Nauka, 1964. 150 p.

IAkovkin, A. A., I. M. Demenko, and L. N. Miz'. [Formulas and ephemerides for field observations on the moon] Formuly i efemeridy dlia polevykh nabliudenii na Lune, Kiev, Naukova dumka, 1964. 148 p.

EPIDEMIOLOGY—CONGRESSES

Scientific Conference of the Dushanbe Institute of Epidemiology and Hygiene. A.S.Khromov, I.G. Abramova. Med.paraz.i paraz bol 32 no.4:509-510 Jl-Ag '63

EPIDERMIS

Embryonic histogenesis of the epidermis and its derivatives. I.G. Pridvizhkin, L B Berlin. Dokl. AN SSSR 158 no.1:199-201 S-O '64.

EPIDIDYMIS—TUBERCULOSIS

Spermatozoid granuloma of the epididymis. I. D. Shperling. Arkh.pat. 26 no.2:50-56 '64.

EPIDIDYMIS—TUMORS

Clinicomorphological characteristics of spermatozoal granuloma of the epididymis. I.D. Shperling. Urologiia no.1.34-38 '64.

Spermatozoid granuloma of the epididymis. I. D. Shperling. Arkh.pat. 26 no. 2:50-56 '64.

EPILEPSY

Electrophysiological data on the disorder of the clarity of consciousness in epilepsy and symptomatic spasms A. A. Megrabian, R. K. Arutiunian, S. L. Avakian Zhur eksp i klin.med. 4 no 2;47-54 '64.

General epileptic seizures caused by an adenoma of the pancreas and their cessation following surgery. N. P. IAverbaum. Zhur.nevr.i psikh. 63 no.9·1339-1340 '63.

Laughter as an equivalent of epilepsy. L. N. Pines, Zhur.nevr.i psikh. 63 no.9·1341-1346 '63

Organization of a ward for epilepsy patients in a psychiatric hospital. V.S.Pozdniakov, B.I.Khavin. Trudy Gos.nauch.-issl.inst.psikh. 40;333-336 '63.

Physiopathology of hemiplegia following an epileptic seizure. V.A.Karlov. Zhur.nevr.i psikh. 63 no.9: 1347-1351 '63.

Psychic changes in epileptic disease (genuine epilepsy) and symptomatic epilepsy based on arachnoencephalitis. R.Kh.Gazin. Trudy Gos.nauch.-issl.inst.psikh. 40; 245-254 '63.

EPITHELIUM

Effect of adrenaline and cortisone-acetate on the mitotic activity of the epithelium of reproductive organs and mammary glands. S.S.Laguchev. Dokl.AN SSSR 157 no.4:1001-1003 Ag '64.

Effect of adrenaline on the mitotic cycle of the intestinal epithelium in mice. O. I. Epifanova, M. G. Chumak, TSitologiia 5 no.4:455-458 Jl-Ag '63.

Mechanism of epithelial desquamation of the villi in the small intestine. IU. P. Kukel'. Biul. eksp. biol. i med. 55 [i. e. 56] no.10:96-99 O '63.

EPOXY RESINS

Effect of low temperatures on the electrophysical and mechanical properties of epoxide insulation. S G. Sokolov, TS. M. Levitskaia. Izv. Sib otd. AN SSSR no 7:37-41 '62.

Tarkhanov, B. L. [Epoxy resins and compounds and their practical applications in electrical wiring operations] Epoksidnye smoly i kompaundy i ikh primenenie v praktike elektromontazhnykh rabot. Moskva, Stroiizdat, 1964. 80 p.

EPSOMITE

Gas-volumetric investigation of the process of thermal dehydration of epsomite at lowered pressures. L.G. Berg, K.P.Pribylov. Zhur.neorg.khim. 9 no.6: 1514-1516 Je '64.

EQUALITY

Buldakov, V. P. [Equality now and under communism] Ravenstvo seichas i pri kommunizme. Perm', Permskoe knizhnoe izd-vo, 1960. 53 p. (Besedy o kommunizme)

[MICROFILM]

The idea of equality in Russian popular freethinking in the second half of the 18th and early 19th century. L. A. Kogan. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:94-101 '64.

EQUATION OF STATE

Derivation of the equation of state for a binary mixture of particles by the method of correlation functions R.I Artym, G.A Spiridonov, Teplofiz.vys temp 2 no 3;359-366 My-Je '64

EQUATIONS

Singular Tricomi problems for the equation $\eta^{\alpha} u_{\xi\xi}+u_{\eta\eta}-\mu^{2}\eta^{\alpha} u=0$ N I. Bakievich Izv vys. ucheb zav , mat no. 2 7-13 '64.

EQUIVALENT CIRCUITS

Equivalent circuit of a coil with a solid steel core. E. G. Kasharskii, V P. Kartsev Sbor. rab. po vop. elektromekh. no.10:217-226 '63.

Experimental determination of the frequency characteristics and parameters of a synchronous machine based on experiments in feeding the excitation winding in a stationary machine. Pan'TSzi [P'an Chi] Sbor rab. po vop elektromekh. no.10 217-226 '63.

ERBIUM ISOTOPES

Identification and determination of the parameters of resonance levels in erbium M. F. Vlasov, A. L. Kyryliuk. Ukr. fiz. zhur. 8 no 9·947-953 S '63

ERDELYI, OLGA

Harp concert B Dobrokhotov Sov. muz. 28 no. 1:69 Ja '64

EREMIN, IGOR' PETROVICH, 1904-1963

In memory of Prof. I. P. Eremin, 1904-1963. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1;84-87 Ja-F '64.

EREMOTHECIUM

Conditions for the accumulation and the mechanism of the formation of riboflavin by the micro-organism Eremothecium ashbyii. L. S. Kramnlova, A. S. Vechar Vestsi AN BSSR. Ser. bilal nav. no. 4:54-63 '63.

ERGOCALCIFEROL

Citric acid levels in the blood of rats during prolonged administration of large doses of vitamin D. B.A.Lavrov, E.L.Terent'eva. Vop.pit. 22 no.3;68-72 My-Je '63.

ERIVAN REGION—ANHYDRITE

Possibility of the development of vibrational waves based on the content of anhydrite in the Miocene salt-bearing layer in the Erivan region. S. G. Sarkisian, M. A. Movsesian. Dokl. AN Arm. SSR 37 no. 4·221-225 '63.

ERIVAN REGION—SALT DEPOSITS

Possibility of the development of vibrational waves based on the content of anhydrite in the Miocene salt-bearing layer in the Erivan region. S G. Sarkisian, M. A. Movsesian Dokl. AN Arm. SSR 37 no. 4:221-225 '63.

EROSION

(see also subdivision under Minusinsk Basin; Moldavia)

Laboratory studies of erosion in a channel with cantilevered overfalls. I. A. Kamenev. Trudy Gidrav. lab. VODGEO no. 10;255-268 '63.

Laboratory studies of the tailrace of a hydraulic complex and problems in the method of modeling erosion. B. I. Studenichnikov. Trudy Gidrav. lab. VODGEO no. 10·197-225 '63.

ERROR-CORRECTING CODES (INFORMATION THEORY)

Construction of a long code from a short one retaining the correcting capability. IU.L.Sagalovich, A.IU. Sheverdiaev. Izv.AN SSSR.Tekh.kib. no.1:73-74 Ja-F '64.

ERRORS, THEORY OF

Adjusting the plane coordinates of the points of photogrammetric nets N.D.Kargopolov. Geod.i kart. no.4:46-55 Ap '64.

Distribution of errors in the equations of coordinates in angular and linear nets. E.G.Boiko. Geod.i kart. no.4:7-17 Ap '64.

Ellipses of errors in geodesic cross sections. S.A. Batugin, I.M.Batugina. [Trudy] VNIMI no.17:315-323 '62.

Estimation of the error committed in the transition from the exact equations in the elasticity theory to two-dimensional equations describing a stressed state. R. L. Salganic, Prikl. mat. i mekh. 28 no. 4:702-704 Jl-Ag '64.

Kolesnikov, A. F. [Fundamentals of the mathematical processing of measuring results] Osnovy matematicheskoi obrabotki rezul'tatov izmerenii. Tomsk, Izd-vo Tomskogo univ., 1963. 40 p.

Rigorous estimation of the error in integrating differential equations by Stormer's method. L.IA.Adrianova. Vest.LGU 19 no.13:5-17 '64.

ERYSIMUM

Glycosides from the plants of the genus Erysimum. Part 5: Structure of gypsobioside. R.N.Tursunova, N.K.Abubakirov, Zhur.ob.khim. 34 no.7:2449-2455 Jl '64.

ERYTHROBLASTOSIS FETALIS

Sensitization in pregnancy with the Kell group factor and the distribution of this factor. M. A. Umnova, T.M.Piskunova, T A. Ichalovskaia. Akush i gin. 39 no.5:79-82 S-O '63.

ERYTHROCYTES

Bookshelf. TSitologiia 5 no.4:485,481 Jl-Ag '63.

Change in the physicochemical properties of erythrocytes caused by heating. IU.A.Kriger, E.A.Sverdlova, A.A. Vainson. Nauch.dokl.vys.shkoly; biol.nauki no.1:76-81 '64.

Effect of erythrocytes on the adhesiveness of blood platelets. B.I.Kuznik, V.P.Mishchenko. Lab.delo no.7.441-443 '64.

Enzymatic analysis of the surface layer of erythrocytes A.J.Kuzin, K.S.Trincher. Biofizika 7 no.5:599-601 '62.

Erythrocytosis of the blood in cancer of the cardial part of the stomach. G.V.Krikunenko. Vop.onk. 10 no.5:78-82 '64.

Use of human blood erythrocytes for the determination of antistreptolysin O titer V.N.Anokhin, V.L.Cherkasov. Lab.delo no.7:406-407 '64.

ESCHERICHIA COLI

Effect of cobalt chloride on the antibiotic sensitivity of Escherichia coli. S.T.Mnatsakanov. Zhur.eksp.i klin.med. 4 no.2:27-30 '64.

Nucleic acid content in Escherichia coli of different radioresistance. V.D.Zhestiannikov. Dokl.AN SSSR 157 no.4:975-978 Ag '64.

ESKIMO LANGUAGE—VERB

Conversion in Eskimo. N.M.Emel'ianova. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1:30-43 Ja-F '64.

ESKIMOS see subdivision under Canada

ESOPHAGUS—BLOOD SUPPLY

Esophageal arteries in vertebrates. R.P.Samusev. Sbor.nauch.rab.stud.Volg.gos.med.inst no.1:4-11 '60.

Esophageal veins in some vertebrates. R.P.Samusev. Sbor.nauch.rab.stud.Volg.gos.med.inst. no.1:12-18 '60.

ESOPHAGUS—CANCER

Insufficiency of the esophago-gastric and esophago-intestinal anastomosis following radical surgery for cancer of the cardia and esophagus. T.V.Kotlukova. Grud. khir. 5 no.5:76-80 S-O '63.

Transillumination examination in surgery on the esophagus. M.Z.Sigal. Grud.khir. 5 no.5:64-67 S-O '63.

ESOPHAGUS—SURGERY

Ligature of the thoracic lymphatic duct in surgery on the esophagus. A.S.Lur'e. Grud.khir. 5 no.5:74-76 S-O '63.

Segmental plastic surgery on the thoracic portion of the esophagus in cicatricial strictures and cancer. G.E. Ostroverkhov, T.A.Suvorova, R.A.Toshchakov. Grud. khir. 5 no.5:67-73 S-O '63.

ESPIONAGE

Imperialist espionage consortium. IU.Avdeev, E.Vladimirov. Mezhdunar.zhizn' 11 no.9:38-45 S '64.

ESPIONAGE, AMERICAN see subdivision under Vietnam, South

ESSENCES AND ESSENTIAL OILS

Absolute oil from iris flowers. E.D Ponomarev, V G Gertsenshtein. Masl.-zhir.prom. 30 no 7:28 Jl '64.

Gas-liquid chromatography and infrared spectra of isomeric allyl guetols and allyl guaiacols. T.A. Rudol'fi and others. Zhur.anal.khim. 19 no.5:619-631 '64.

Studies on the oil of Salvia sclarea seeds. H̆V. Makarova, K.N. Zarais'ka, IU.H. Borysiuk. Farmatsev zhur 18 no.5:16-19 '63.

Study of substances entering the composition of essential oils; correlation between stereoisomeric thujones in essential oils of wormwood M.I.Goriaev, Zh.K Gimmaddinov. Dokl.AN SSSR 156 no 6:1459-1460 Je '64.

ESTERIFICATION

Complex esterification of tall oil acids with isoamyl alcohol. V.P.Sumarokov, Z.M Volodutskaia. Gidroliz. i lesokhim prom. 17 no.3:11-13 '64.

ESTERS

Heterochain polyesters. Report No.50: Structure of polyamidoarylates obtained by interfacial polycondensation. V.V.Korshak, S.V.Vinogradova, U Ban-iuan' [Wu Pang-yüan]. Izv.AN SSSR.Ser.khim. no.7:1288-1292 Jl '64.

Heterochain polyesters. Report No.51: Polyamidoarylates and polyarylates based on acid chloride of bis-(p-carboxyphenyl)-methylphosphine oxide. V.V.Korshak, S.V.Vinogradova, U Ban-iuan' [Wu Pang-yüan]. Izv. AN SSSR.Ser.khim. no 7:1292-1295 Jl '64.

Heterochain polyesters. Report No.56: Mixed block polyarylates based on polyethylene oxide, diatomic phenols, and aromatic dicarboxylic acid chlorides. S.V.Vinogradova, V.V.Korshak, G.Sh.Papava. Izv. AN SSSR.Ser.khim. no.7:1296-1302 Jl '64.

Methodology for rapid determination of acetone and esters in the air of industrial premises E.A Mel'nikova Lab.delo no.7:423-425 '64.

Nicotinelike activity of a series of methyl esters of ω-dimethylamino- and ω-piperidyl-alkanecarboxylic acids. V.I.Il'inskii, K.M.Khalimova. Farm.i toks. 26 no.5,603-606 S-O '63.

Obtaining 5-hydroxymethyl-2-furancarboxylic acid and its butyl ester. N.N.Shmagina, P.A.Moshkin. Plast. massy no.2:51-52 '64.

Polycondensation resins. N.K.Moshchinskaia, S.V. Pliasovskaia. Trudy DKHTI no.16:65-69 '62.

Quantitative determination of amino alcohol esters. T.A. Mikhailova, N.V.Khromov-Borisov. Zhur.anal khim. 19 no.5:646-650 '64.

ESTONIA—COMMUNIST PARTY

Twenty years of heroic struggle. E.Mattison, M.Anderson. Vop.ist.KPSS 0 no.9:135-140 S '64.

ESTONIA—FLIES

A new species of the spiny-legged fly Themira paludosa sp. n. (Diptera, Sepsidae) from Estonia. K. Elberg. Ent.oboz. 42 no.4.909-911 '63.

ESTONIA—POLITICS AND GOVERNMENT

Estonian SSR. Ulemnoukogu. [Second session of the Sixth Supreme Soviet of the Estonian S.S.R., October 16-17, 1963. Verbatim report] Vtoraia sessiia Verkhovnogo Soveta Estonskoi SSR shestogo sozyva 16-17 oktiabria 1963 goda. Stenograficheskii otchet. Tallinn, Estonskoe gos. izd-vo, 1963. 151 p.

ESTONIA—RURAL SCHOOLS

Day at the Taebla school. E.Solov'eva. Nar.obr. no.8: 91-93 Ag '64.

ESTONIA—WORLD WAR, 1939-1945

Military historical conference in the Tallinn House of Officers. T. Zubov. Voen.-ist.zhur. 5 no.4:112-114 Ap '63.

ESTONIA—WORLD WAR, 1939-1945—ATROCITIES

Open letter to Chief Prosecutor Shuele. E.Martinson. Nov.vrem. 22 no.32:16-17 Ag '64.

ESTROGENS

Ovarian hormones as an indispensable factor for mitosis of the epithelial cells of the reproductive organs. S.S. Laguchev, R.A.Kargina-Terent'eva. Biul.eksp.biol. i med. 55 [i.e.56] no.10:85-88 O '63.

ESTROGENS—THERAPEUTIC USE

Treatment of chorioepithelioma with large doses of estrogens. A.A.Davidenko. Akush.i gin. 40 no.1: 131-123 Ja-F '64.

ESTRUS

Effect of 3-phenylrhodanine, 3-p-tolylrhodanine and rhodanine-3-benzoic acid on the estrus cycle in white rats. A.P.Dyban, A.N.Turkevich. Farm.i toks. 26 no.2:228-233 Mr-Ap '63.

ETHANEDIOL

Vinyl ethers of di- and triethylene glycols. M.F.Shostakovskii, A.S.Atavin, B.A.Trofimov. Zhur.ob.khim. 34 no.7:2112-2116 Jl '64.

ETHANES

Interaction of sodium diethyl phosphite with 1,2-dibromocyclohexane and 1,2-dibromoethane. B.A. Arbuzov and others. Dokl. AN SSSR 158 no.1:137-140 S-O '64.

Kinetics and mechanism of the thermal decomposition of ethane (high temperature region). IU.I.Kudriavtseva, V.I.Vedeneev, O.M.Niazian. Dokl.AN Arm.SSR 39 no.1:29-33 '64

ETHANES—TOXICOLOGY

Toxicity of hexachloroethane for cattle T P Veselova and others Veterinariia 41 no 4 56-57 Ap '64

ETHANOL

Temperature dependence of the rate of peroxysulfate-triethanolamine reaction. O A.Chaltykian, N.M. Beilerian, A.L.Samvelian. Dokl AN Arm.SSR 39 no.1:35-40 '64.

ETHERS

Addition of α-chloro ethers to vinylisopropenylacetylene. S.I.Sadykhzade and others. Azerb.khim.zhur. no.5: 45-49 '63.

Chemistry of vinylacetylene. Report No. 39: Order of addition of chloromethyl ethers to vinylisopropenylacetylene and some transformations of obtained chloride S.A. Vartanian, L.G. Mesropian, A.O. Tosunian Izv. AN Arm.SSR.Khim.nauki 16 no.2:137-144 '63.

Comparison of the electron-donor properties of the series of aliphatic and cyclic ethers during interaction with CH_3OD. I.M Ginzburg, E.S.Petrov, A.I. Shatenshtein. Zhur.ob.khim. 34 no.7:2294-2298 Jl '64.

Ethers of 2-hydroxyhexen-5-yn-3-yl-2-cyclopentadienylmanganese tricarbonyl. K.N.Anisimov and others. Izv.AN SSSR Ser khim. no.7:1320-1322 Jl '64.

Formulas for calculating the number of theoretically possible isomers of ethers, esters, and methylene glycol. B.F.Pishnamazzade. Azerb.khim.zhur. no.5:61-71 '63.

Glycol ethers and their derivatives Part 78: Synthesis of alkoxymethyl ethers of 1-phenyl-2-alkoxy-1-ethanol. Shamkhal Mamedov, E.Sh.Mamedov, F.S.Gadzhizade. Zhur.ob.khim. 34 no.7:2177-2181 Jl '64.

Glycol ethers and their derivatives. Part 79: Alkoxymethyl ethers of allyl monoether of ethylene glycol. Shamkhal Mamedov, IU.V.Pokonova, M.A Avanesian. Zhur.ob.khim. 34 no.7:2182-2186 Jl '64.

Reaction of dimethylvinylethynylcarbinol and tetramethylbutyndiol with some diethylaminomethylalkyl ethers. E.S.Lagucheva. Zhur.ob.khim. 34 no.7:2173-2175 Jl '64.

ETHICS

O.G.Drobnitskii's "Justification of amorality." A.F. Ozerskaia. Vop.filos 18 no.6:176-178 '64

ETHNOLOGY

(see also subdivision under Soviet Central Asia)

Paths of development and problems of Soviet ethnology. S.P Tolstov, T A Zhdanko. Vop.ist 39 no.7 3-20 Jl '64.

Results of field studies of archaeologists and ethnographers, session of the Department of History. Vest.AN SSSR 34 no.7:46-56 Jl '64.

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHNOPSYCHOLOGY

Bourgeois sociology and the problem of "national character." E.A.Bagramov. Vop.filos 18 no 6:99-109 '64.

ETHYL ALCOHOL—PHYSIOLOGICAL EFFECT

Effect of ethyl alcohol on the structure and content of dreams in chronic alcoholism and acute alcoholic psychoses. R.Kh.Gazin. Trudy Gos.nauch.-issl.inst. psikh. 40:100-108 '63.

ETHYL ETHER

Catalytic dehydrocyclization of diethyl ether with the formation of a five-membered heterocyclic system. A.L.Liberman, O.V.Bragin, T.V.Vasina. Izv.AN SSSR.Ser.khim. no.7:1352-1354 Jl '64.

Polarography of diethyl ether peroxide. O.B.Iv. Izv. AN SSSR.Ser.khim. no.7:1314-1316 Jl '64.

ETHYLAMINE

Experimental therapy and prevention of methemoglobinemia with cystamine hydrochloride. M.S. Kushankovskii. Pat fiziol.i eksp.terap. 6 no.4:15-16 Jl-Ag '62.

ETHYLENE

Chemistry of divinylacetylene and its halo derivatives. Report No.15: Copolymerization of trans-2,3,4,5-tetrachloro-1,3,5-hexatriene with vinyl chloride and vinylidene chloride. G.E.Krbekian, E.G.Sinanian, A.N.Akopian. Izv.AN Arm.SSR.Khim.nauki 16 no.2: 145-150 '63.

Chlorosulfichlorination and chlorosulfochlorination of ethylene. Conversion of β-chloroethanesulfinic acid to thio ether. A.I.Titov, A.N.Baryshnikova. Dokl.AN SSSR 157 no.1:139-142 Jl '64.

Experience in obtaining highly pure ethylene E G Vol'pova, N G Shal'kovskii Neftepr i neftekhim no 8 35-39 '63

Obtaining trichloroacetic acid from tetrachloroethylene V P Dorokhovich, O O Proshkin Khim prom [Ukr] no 3:24-27 Jl-S '63

Radiation polymerization of ethylene in enlarged laboratory apparatus. A.D Abkin and others. Plast.massy no.2:3-6 '64.

Soluble complexes of unsaturated hydrocarbons with metal salts and their role in catalytic reactions. Part 4: Thermodynamics of the formation of soluble π-complexes of ethylene with Ag^+ and Cu^+ ions. O.N.Temkin, A.G.Ginzburg, R.M.Flid. Kin.i kat. 5 no.2 221-227 Mr-Ap '64.

ETHYLENE, EFFECT OF RADIATION ON

Radiolysis of tetrachloroethylene and hexachlorobutadiene. L M Kogan, N S Rabovskaia, S I Vol'fkovich Dokl AN SSSR 157 no 1:127-130 Jl '64

ETHYLENE GLYCOL

Glycol ethers and their derivatives. Part 78: Synthesis of alkoxymethyl ethers of 1-phenyl-2-alkoxy-1-ethanol Shamkhal Mamedov, E.Sh.Mamedov, F.S.Gadzhizade. Zhur.ob.khim. 34 no.7,2177-2181 Jl '64.

Glycol ethers and their derivatives Part 79 Alkoxymethyl ethers of allyl monoether of ethylene glycol. Shamkhal Mamedov, IU.V.Pokonova, M.A Avanesian. Zhur.ob khim 34 no 7,2182-2186 Jl '64

Transformations of pinacols with substituted acetylenic radicals. Part 21, Synthesis and transformations of asymm.dimethylphenylisopropenylacetylenyl ethylene glycol. A A Antonova, E.D Venus-Danilova. Zhur ob.khim 34 no 7:2187-2189 Jl '64

ETHYLENE POLYMERS

Amination of 1-cyano-6-chlorohexane, a product of telomerization of ethylene by cyanogen chloride. E I Vasil'eva, R.Kh.Freidlina. Izv AN SSSR Ser.khim no.7:1233-1236 Jl '64.

ETHYLENEDIAMINE

o-Aryl-N,N,N',N'-diethylenediamides of phosphorothioic acid. L.D.Protsenko, N.IA.Skul'skaia. Zhur.ob.khim. 34 no.7:2233-2234 Jl '64.

EUROPE—ECONOMIC INTEGRATION

International Federation of Christian Trade Unions and the "Common Market." M.Domnich. Mir.ekon.i mezhdunar.otn. no.8,119-123 '64.

EUROPE, EASTERN—ADMINISTRATIVE PROCEDURE

Organs implementing administrative procedure in the European socialist countries. E Staros'tsiak. Sov. gos.i pravo 34 no.7:122-129 Jl '64.

EUROPE, EASTERN—BIBLIOGRAPHY

[New literature on the general problems of the European socialist countries] Nov.lit.po obshch probl.evrop. sots.stran nos.2-5 '64.

EUROPE, EASTERN—COMMERCE—CONGRESSES

Problems of efficiency and profitability. E Georgiev. Vnesh.torg. 44 no.7:21-23 '64

EUROPE, EASTERN—COMMERCE—RUSSIA

Evaluation of the economic efficiency of foreign trade G Smirnov, B Zotov, G Shagalov Plan khoz 41 no 8 25-32 Ag '64

The export of ships is growing. I.F.Semichastnov Vnesh.torg. 44 no.7:20 '64

EUROPE, EASTERN—CRIMINAL LAW

[Soviet criminal law; general part] Sovetskoe ugolovnoe pravo; chast' obshchaia. Moskva, Vses.iurid.zaochnyi in-t.

No.17. Gel'fer, M.A. [Fundamental issues in the general part of the criminal law of the European people's democracies; a textbook] Osnovnye voprosy obshchei chasti ugolovnogo prava evropeiskikh stran narodnoi demokratii; uchebnoe posobie. 1963. 67 p.

[MICROFILM]

EUROPE, EASTERN—DIVISION OF LABOR

Bondarenko, E.L., and M.N.Savov. [International socialist division of labor] Mezhdunarodnoe sotsialisticheskoe razdelenie truda. Moskva, Politizdat, 1964. 94 p.

EUROPE, EASTERN—ECONOMIC CONDITIONS

Successes of the building of socialism in the European people's democracies. T.V.Anisimova. Trudy kaf. obshchestv.nauk OEIS no.3:121-137 '62.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—BIBLIOGRAPHY

Akademiia nauk SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [Development of the world socialist economic system and the economic cooperation of the European socialist countries participating in Comecon; a bibliography. Books and articles, 1957-1962] Razvitie mirovoi sotsialisticheskoi sistemy khoziaistva i ekonomicheskoe sotrudnichestvo evropeiskikh sotsialisticheskikh stran-uchastnits SEV; bibliografiia. (Knigi i stat'i 1957-1962 gg.) Moskva, Akad. nauk SSSR. FBON im. V.P.Volgina, 1964. 167 p.

EUROPE, EASTERN—FOREIGN RELATIONS

[illegible] relations of eastern [illegible] I B Grev [illegible] 7 145 [illegible]

EUROPE, EASTERN—FOREIGN RELATIONS—GERMANY

[illegible] Lea Stern [illegible] Jl '64

EUROPE, EASTERN—INDUSTRIAL STATISTICS

Method for comparing the industrial indices of socialist countries. V [illegible]. Vest stat no 7:20-29 '64

EUROPE, EASTERN—SHIPBUILDING

[illegible] I F [illegible] 7 [illegible] '64

EUROPE, EASTERN—SOCIAL CLASSES

[illegible] in the European socialist [illegible] K I [illegible] Vop filos 18 no 6 3-14 '64

EUROPE, EASTERN—STATISTICS—CONGRESSES

In the Permanent Committee on Statistics of the Mutual Economic Assistance Council A Leshchev. Vest stat no 7:92-94 '64

EUROPE, EASTERN—VERTEBRATES, FOSSIL

History of Holocene vertebrate fauna in Eastern Europe. V.I Bibikova. Prirod obst.i fauny prosh. no 1 119-148 '63.

EUROPE, WESTERN—ART

Grivnina, A.S. [17th century art in Western Europe] Iskusstvo XVII veka v Zapadnoi Evrope. Moskva, Izd-vo "Iskusstvo," 1964. 85 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

EUROPE, WESTERN—ECONOMIC INTEGRATION

Two aspects of European integration. N Khomutov. Mezhdunar zhizn' 11 no.9 80-82 S '64

EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES

Two aspects of European integration N.Khomutov. Mezhdunar.zhizn' 11 no.9 80-83 S '64.

EUROPE, WESTERN—INDUSTRIAL MOBILIZATION

European Pentagons B Teplinskii Nov vrem 21 no 30 15-16 Jl '64

EUROPE, WESTERN—NATIONALISM

The Atlantic Community and European "nationalism," L.Vidiasova. Mezhdunar zhizn' 11 no.9 78-80 S '64

EUROPE, WESTERN—POLITICS

The Atlantic Community and European "nationalism " L.Vid'asova Mezhdunar.zhizn' 11 no.9 78-80 S '64.

EUROPEAN COAL AND STEEL COMMUNITY

The European Coal and Steel Community on the eve of reorganization A.Shchebanov. Mir.ekon i mezhdunar. otn. no 8.124-130 '64.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

"The Common Market" is a weapon of monopolies. N. Liubimov. Vnesh.torg. 44 no.6:58-60 '64.

Problems of the Common Market. E. Menzhinskii. Vnesh torg 44 no 7:48-51 '64

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—AGRICULTURAL POLICY

A Gordian knot of contradictions. IU.Lisovskii, G.Factor. Mir.ekon.i mezhdunar.otn. no.8:40-48 '64.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

The West-European "Common Market" is a threat to Latin America IU M Grigor'ian Vop ist 39 no.7 183-184 Jl '64

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—GRAIN—PRICES

Contradictions again... S.Fil'shtinskii. Vnesh.torg. 44 no.6:55-56 '64.

EUROPEAN WAR, 1914-1918

(see also subdivision under Austria; Paris)

"From Brest to Kiel; failure of the anti-Soviet policy of German imperialism in 1918" by A.Akhtamzian. Reviewed by IA S Drabkin Vop.ist. 39 no.7:151-153 Jl '64.

Heroic pages. A.P.Konstantinov. Vop.ist.KPSS 8 no.8: 120-124 Ag '64.

Silin, A.S. [Crime of imperialism means the tragedy of peoples, essays on the War, 1914-1918] Prestuplenie imperializma - tragediia narodov; ocherki voiny, 1914-1918 gg. Moskva, Izd-vo "Nauka," 1964. 158 p. (Nauchno-populiarnaia seriia)

V.I.Lenin's exposure of "left" sectarianism during the First World War IA.G.Temkin. Vop ist.KPSS 8 no.8.3-16 Ag '64.

EUROPEAN WAR, 1914-1918—CAUSES

Conclusions from the study of the origin of the First World War. K B Virogradov Vop ist 39 no.7 74-87 Jl '64

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

Poletika, N.P. [Beginning of the First World War, the July crisis, 1914] Vozniknovenie Pervoi Mirovoi voiny, iiul'skii krizis 1914 g. Moskva, Izd-vo "Mysl'," 1964. 605 p.

EUROPEAN WAR, 1914-1918—NAVAL OPERATIONS

Pavlovich, N.B., ed. [The navy in the First World War in two volumes] Flot v Pervoi Mirovoi voine v dvukh tomakh. Moskva, Voenizdat, 1964. 2 v.

EURYGASTERS see subdivision under Saratov Province

EUTECTICS

Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems by means of the method of projections. Part 2. A.I. Landau. Zhur.fiz.khim. 36 no.3:463-468 Mr '62.

Structural changes and the mechanical properties of alloys on the basis of metal compounds by the substitution method of low-melting components. E.M.Savitskii, T.A.Kim. Trudy Inst.met. no.14:147-154 '63.

EVAPORATING APPLIANCES

Comparative tests of convective surfaces based on their power characteristics V.M Antuf'ev Energomashinostroenie 10 no 5.9-13 My '64

Heat exchange process in the thickening of sugar solutions in a film evaporating apparatus. E.D.Kibrik, A.I. Rychkov, K I.Lebedev. Khleb.i kond.prom. 8 no.7: 6-11 Jl '64

EVAPORATION

(see also subdivision under Kengir Reservoir)

Isothermal evaporation of the desulfated brine of Lake Kuchuk I.A.Moshkina Izv Sib otd AN SSSR no.12 140-143 '62

Mechanism of the retardation of water evaporation by 1-hexadecanol monolayers T.V Krmoian, R.K. Pogosian Izv AN Arm SSR Khim nauki 16 no 2·97-116 '63

PIM-2 device for determining the evaporability of lubricants V.M Martynov Nefteper i neftekhim. no 6 40-43 '63

Possibility of using a pulse transit-time mass spectroscope in studying the vaporization of compound substances A.A.Mostovskii, D.A.Sakseev. Zhur.tekh. fiz. 34 no.7:1321-1323 Jl '64.

Rossman-Yarwood's formula for calculating the coefficient of condensation. M.N.Astaf'eva and others. Zhur.fiz.khim. 38 no.2:523-525 F '64.

Spectral analysis of vanadium by the vaporization method. V.N.Muzgin and others Zav.lab 30 no.6.697-699 '64.

EVENING AND CONTINUATION SCHOOLS

(see also subdivision under Krasnyy Kholm District)

Brief news. Vech.sred.shkola 7 no.2:95-96 Mr-Ap '64.

Educational research in the field of evening and correspondence education. A.V.Darinskii. Vech.sred. shkola 7 no.2:29-33 Mr-Ap '64.

EVIDENCE (LAW)

The essence of trial evidence and the rules for its use. D.M.Chechot. Vest.LGU 19 no.11:94-103 '64.

More about court requests. P.Vereshchagin. Sov iust. 28 no 7:24 Ap '64.

EVIDENCE, CRIMINAL

Evidence as a means of establishing the truth in criminal procedure. M.Nokerbekov. Izv.AN Kazakh SSR.Ser. obshchestv.nauk no.6:43-54 '64.

Producing evidence for identification of persons and things in trial examination S Koksharov. B Bakharev Sov.iust. 28 no.7:15-17 Ap '64

EVIDENCE, EXPERT

Use of science and technology specialist in criminal investigation. A.Kezhoian. Sots.zakon. 41 no.4:63-65 Ap '64.

EVLAKHOV, OREST ALEKSANDROVICH, 1912-

Gusin, I.L. [Orest Evlakhov; a sketch of his life and works] Orest Evlakhov; ocherk zhizni i tvorchestva. Leningrad, Muzyka, 1964. 117 p.

EVOLUTION

Biological species as an entirety. V.G.Afanas'ev. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1:146-155 '64.

Dialectics of the concept of "biological species." G.I. Sadovskii. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1: 172-176 '64.

Immortality of a great discovery; centennial of the publication of the Russian translation of Charles Darwin's "Origin of species." V.A.Alekseev. Agrobiologiia no.1:3-15 Ja-F '64

Morphological characteristics of the evolution of the vertebrate brain. M.F.Nikitaenko. Vestsi AN BSSR. Ser.biial.nav. no.4:109-119 '62.

EVSEEV, PETR KARPOVICH, 1011-1904

Petr Karpovich Evseev; 1911-1964 Meteor.i gidrol no 7.58-59 Jl '64

EVSTIGNEEV, EVGENII

Evgenii Evstigneev. IU.Kagarlitskii. Teatr 24 no.8 62-66 Ag '63.

EXCAVATING MACHINERY

(see also subdivision under Gorkiy; Kuznetsk Basin)

Determining the parameters of an underground excavator. S.S.Muzgin. Trudy Inst.gor.dela AN Kazakh.SSR 12: 47-55 '63.

Economic basis of the efficiency of mining equipment in the evaluation of design solution. A.V Druzhinin Izv.vys.ucheb.zav.; gor.zhur. 7 no 3:41-47 '64

Organization of the Central Design Bureau for the manufacture of excavators and cranes appears as a necessary and urgent task. A.S.Rebrov. Mekh.stroi. 20 no.7:18-20 Jl '63.

Programmed control of a rotary excavator. A.S.Itelash, A.F.Kovalov, G.F.Linnik. Ugol' 39 no.5:71-73 My '64.

Working soils with excavator-blockers. K.A.Kharlanholdi. Trudy NPI 144:3-28 '64

EXCAVATING MACHINERY—ELECTRIC DRIVING

Barlev, N.V. [Electric drives of the EKG-4 and EKG-4,6 single-bucket excavators] Elektroprivod odnokovshovykh ekskavatorov tipov EKG-4 i EKG-4,6. Moskva, Energiia, 1964. 103 p. (Biblioteka elektromontera, no.138)

EXCAVATING MACHINERY—HYDRAULIC DRIVING

Hydraulic excavators for trenchless pipe laying and tunneling. N.V.Vasil'ev, M.M.Markovich. Mekh. stroi. 20 no.7:24-27 Jl '63.

EXCAVATING MACHINERY—MODELS

Mining in rock without blasting. S.E.Lelliunov, I.I. Bulavkin. Izv.vys.ucheb.zav.; gor.zhur 7 no.3,105-110 '64.

EXCHANGES, LITERARY AND SCIENTIFIC

International book exchange. Biul.TSentr.nauch.sel'khoz. bibliot. no.1:10-11 '57.

International book exchange is an important means of acquiring publications. A.T IAikova, V.B.Sorov, A Rakitskii Biul.TSentr.nauch sel'khoz bibliot. no 1 24-29 '59

EXCITATION (PHYSIOLOGY)

Changes in nonspecific reactivity of the body in mental diseases. P.F.Matkin. Trudy Gos.nauch.-issl. psikhonevr.inst. 29:103-116 '63.

Dynamics of subordination and adaptation in the catatonic form of schizophrenia with a chronic unfavorable development. E.L.Gushanskii. Zhur. nevr.i psikh. 63 no.9:1376-1380 '63.

Effect of some substances on the transfer of stimulation from the nerve to the muscle. A.M.Aleksanian, T.R. Kiprilan. Zhur.eksp.i klin.med. 4 no.2:3-7 '64.

Histochemical study of the sulfhydryl groups of tissue proteins in the superior cervical sympathetic ganglion of a cat in a state of quiescence and excitation. I.B. Krasnov. Biul.eksp.biol.i med. 56 [i.e. 56] no.10: 50-54 O '63.

Investigation of the conduction of the stimulation impulse through the region of the bilateral hemisections of the spinal cord. Z.A. Vagramian. Zhur.eksp.i klin. med. 4 no.2:9-14 '64.

New data on substantial changes due to cell damage and stimulation. D.L.Rozental', A.S.Troshin. TSitologiia 5 no.4:365-378 Jl-Ag '63.

Place of the appearance of transformation rhythm in the nerve fiber with artificially produced inhomogeneity IU.I.Arshavskii, M.B.Berkinblit, S.A.Kovalev. Biofizika 7 no.5:619-623 '62.

Publication of registered discoveries. TSitologiia 5 no.4:439,448 Jl-Ag '63.

Relation between the latent period of the evoked potentials in gyrus suprasylvious medius and gyrus lateralis pars anterior and the intensity of peripheral excitation. I.Petrek, V.Golda, P.Lisonek. Biul.eksp. biol.i med. 56 [i.e.60] no.10:6-10 O '63.

Role of elastic oscillations in the nerve fiber during the propagation of excitation. I.A.Rybin. Biofizika 8 no.1:134-136 '63.

Role of somatic reactivity in the formation of psychogenic reactions. N.V.Ivanov. Trudy Gos.nauch.-issl. psikhonevr.inst. 29:205-214 '63.

EXCITONS

Exciton absorption of light in silver bromide. S.G. Ryzhanov. Opt.i spektr. 17 no.2:294-298 Ag '64.

Testing the validity of some classical formulae in crystal optics in the exciton absorption region. S.M.Kochubei, H.L.Stavraki. Ukr.fiz.zhur. 8 no.9:990-1007 S '63.

EXERCISE

Changes in the Nissl bodies of the motor neurons under the influence of training involving motion. E.P.Dogaev. Arkh.anat.,gist.i embr. 43 no.11:24-28 N '62

EXERCISE THERAPY
(see also subdivision under Abastumani, Georgia)

Avdulina, A.S. [Exercise therapy in cardiovascular diseases] Lechebnaia fizkul'tura pri serdechno-sosudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 95 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Physical culture therapy in the clinical aspects of pulmonary tuberculosis. I.I.Vorob'eva. Probl.tub. 41 no.1 57-63 '64.

EXPERT EVIDENCE see Evidence, Expert

EXPLODING WIRE PHENOMENA
Experimental study of electric explosions. V.P.Peregud, K.B.Abramova. Dokl.AN SSSR 157 no.4 837-840 Ag '64.

EXPLOSIVES
Emission spectrum during detonation of solid explosives in a vacuum. V.A.Dement'ev, V.N.Kologrivov. Zhur. fiz.khim. 36 no.3:458-462 Mr '62.

Properties of the container capable of initiating the detonation of liquid explosives. G.V.Dimza. PMTF no.2:166-168 Mr-Ap '64.

EXTRACTION (CHEMISTRY)
Conditions for the extraction of ephedrine from aqueous solutions by organic solvents at various pH values O P.Mel'nychuk Farmatsev zhur 16 no 1 18-21 '61.

Determination of the degree of hydration of extracted substances. A.M.Rozen, I.IA.Sabaev, I.N.Shokin. Zhur.neorg.khim. 9 no.6:1455-1464 Je '64.

Extraction of double-base acids by liquid extraction, B.S.Kriuchkov and others. Khim.i.tekh.topl.i masel 9 no 4:6-9 Ap '64.

The extraction system HNO_3 - NH_4NO_3 - H_2O - $(C_4H_9O)_3PO$ at 25°C. A.V.Nikolaev, A.A.Kolesnikov. Izv.Sib.otd.AN SSSR no.10:80-86 '62.

Study of simple extraction systems Report No.1: The system water - tributylphosphate - potassium iodide. V.A Mikhailov, A G Nazin Izv Sib otd.AN SSSR no.9:54-64 '63

Study of the binary systems, water -tri-n-butylphosphate and water -di-n-butylphosphoric acid. V.A.Mikhailov, S.K.Kharchenko, A.G.Nazin. Izv.Sib.otd.AN SSSR no.7:50-56 '62.

EXTREMITIES (ANATOMY)
Some adaptive characteristics of the extremities of reindeer. N.M.Ermolova. Biul.MOIP.Otd.biol. 68 no.3 46-60 My-Je '63

Stimulation of the regeneration process in mammalian extremities by the action of tissue extract. V P. Kudokotsev. Nauch.dokl.vys.shkoly, biol.nauki no 3: 40-43 '64.

EXTREMITIES (ANATOMY)—INNERVATION
State of peripheral nervous structures of the pelvic extremity in rabbits during the development of collateral circulation. IU.I.Denisov-Nikol'skii. Biul.eksp. biol.i med. 55 [i.e.56] no.10:110-113 O '63.

EXTRUSION (METALS)
Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Cold extrusion of hollows which shape working parts of die-casting molds and dies] Vydavlivanie kholodnoe polostei formoobrazuiushchikh rabochikh detalei press-form i shtampov (RTM 113-63). Moskva, Izd-vo standartov, 1964. 52 p.

EXTRUSION PROCESS
Method of determining the plastic properties of coal and lignite. E.M.Taits, T M.Bronovets Trudy IGI 20:159-163 '63.

EYE
Intravital study of the characteristics of the penetration of labeled substances into eye tissue G.K.Gurtovoi. Biofizika 8 no.1:62-68 '63.

EYE—ACCOMMODATION AND REFRACTION
Effect of the fluid extract from the roots of ginseng and phenamine on dynamic accommodation. N.A.Golikov. Mat.k izuch.zhen'.i drug.lek.rast.Dal' Vost. no.5: 111-114 '63.

EYE—DISEASES AND DEFECTS
Clinical observations of the effect of electrophoretic administration of Schisandra preparations on the improvement of the visual function of the eye. A.N. Golovin, L A.Golovina. Mat.k izuch.zhen'.i drug.lek. rast.Dal'.Vost. no.5:281-285 '63.

Nicotinic acid metabolism during therapy of patients with eye diseases. N.V.Sidorov. Vop.pit. 22 no.3:83-84 My-Je '63.

Shershevskaia, O.I. [Changes in the visual organ in some cardiovascular diseases] Izmeneniia organa zreniia pri nekotorykh serdechno-sosudistykh zabolevaniiakh. Moskva, Meditsina, 1964. 254 p.
(DNLM)

EYE—MOVEMENTS
Shakhnovich, A.R., and V.R.Shakhnovich. [Pupillography; objective examination of pupillary reactions and movements of the eyeball] Pupillografiia; ob"ektivnoe issledovanie zrachkovykh reaktsii i dvizhenii glaznykh iablok. Moskva, Meditsina, 1964. 250 p.
(DNLM)

EYE—WOUNDS AND INJURIES
Treatment of eye burns with subconjunctival injections of autoblood and penicillin N.I.Khliustin, A IA Shishliannikov Sbor nauch rab stud.Volg.gos.med inst no.1 88-93 '60

EYELIDS—CANCER
X-ray therapy of skin cancer of the eyelids and ocular angles with low-voltage irradiation. G.T.Grigorian, R.G.Pogosian, A.G.Adamian. Vop.rent i onk 7 121-130 '63.

EYELIDS—DISEASES
Conditioned reflex method in successful therapy of post-encephalitic Gunn's syndrome. G.A.Gladkov. Zhur. nevr.i psikh. 63 no.9 1329-1332 '63.

FACADES see subdivision under Moscow

FACE—INNERVATION
Some age-related characteristics of the innervation of the facial skin. V.A.Otelin. Arkh.anat.,gist.i embr. 43 no.8:69-76 Ag '62.

FACIAL NERVE—DISEASES
Electromyographic examination of the mimetic musculature following recovery from palsy and epinuclear lesions of the facial nerve. A.K.Popov. Zhur.nevr.i psikh. 63 no.9 1322-1328 '63.

FACIAL NEURALGIA see Neuralgia, Facial

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES—DESIGN AND CONSTRUCTION see subdivision under Dnepropetrovsk; Kharkov; Leningrad

FACTORIES—HEATING AND VENTILATION
Instructions for designing heating and ventilation systems for enterprises producing reinforced concrete products Biul.stroi.tekh 20 no 12 15-17 D '63

FACTORIES—LIGHTING
Lighting problems in plants manufacturing welded chemical equipment. L.P.Pavlova Prom stroi. 41 no 7 25-28 Jl '64

FACTORIES—SAFETY MEASURES see subdivision under Krasnodar

FACTORS (ALGEBRA)
Description of annihilator commutative Banach algebras A.IA Khelemskii. Dokl.AN SSSR 157 no 1 60-62 Jl '64.

The factorization of absolute increment. M.Ioffe. Vest.stat. no.7:30-39 '64.

FADEEV, ALEKSANDR ALEKSANDROVICH, 1901-1956
Aleksandr Fadeev on literary work. V.A.Dolgov. Uch. zap.CHNIIIALIE no.22:263-272 '63.

FALLOPIAN TUBES
Lymphatic system of the mucous membrane of the human fallopian tube. M.D.Gatsalov. Akush.i gin. 39 no.5: 85-90 S-O '63.

FALLOPIAN TUBES—TUMORS
Surgical treatment of inflammatory tumors of the uterine adnexa. A.L.Ozerianskaia. Akush i gin. 39 no.5:117-120 S-O '63.

FAMILY
Kharchev, A.G. [Marriage and family in the U.S.S.R.; essay in sociological research] Brak i sem'ia v SSSR, opyt sotsiologicheskogo issledovaniia. Moskva, Izd-vo "Mysl'," 1964. 323 p.

FANS, MECHANICAL
Hydraulic and automatic control of the operating conditions of mine fans. V.M.Arshinskii, M.P Zub. Izv. vys.ucheb.zav.; gor.zhur. 7 no.3:148-154 '64.

FAR EAST—MATERIA MEDICA, VEGETABLE
Effect of preparations derived from some Far Eastern and Siberian medicinal plants on the appetite of experimental animals. L.D.Shuliateva, T.M.Smolina, K.I. Stepanova. Mat.k izuch.zhen'.i drug.lek.rast.Dal'. Vost. no.5:253-256 '63.

FAR EAST—PETROLEUM INDUSTRY
[illegible] industry of [illegible] Far East. [illegible] F '63.

FAR EAST, SOVIET see Soviet Far East

al-FARABI
[illegible] A. M. [illegible] [Abu Nasr al-Farabi] [illegible]
[MICROFILM]

FARM BUILDINGS
Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Farm buildings made of vibration rolled panels; based on materials of the Experimental Design Office of the Academy of Construction and Architecture of the U.S.S.R., the Klin Plant for Reinforced Concrete Elements (Moscow Province) and the Moscow Province Construction Administration] Sel'skokhoziaistvennye proizvodstvennye zdaniia iz vibroprokatnykh panelei; po materialam Eksperimental'no-konstruktorskogo biuro ASiA SSSR, Klinskogo zavoda zhelezobetonnykh konstruktsii (Moskovskaia obl.) i Mosoblstroiia. Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Glavnoe upravlenie po delam sel'skogo i kolkhoznogo stroitel'stva. [Construction of livestock buildings from prefabricated elements] Stroitel'stvo zhivotnovodcheskikh pomeshchenii iz industrial'nykh elementov. Moskva, Trest "Orgsovkhozstroi," 1963. 11 p.
[MICROFILM]

FARM MANAGEMENT
(see also subdivision under Kedainiai District; Labinsk District)

Farm work in August Inform.biul. VDNKH no.8 33-34 Ag '63.

The optimal use of resources. I.Popov Ekon sel'khoz. 35 no.6 51-58 '64

FARM MECHANIZATION
(see also subdivision under Georgia; Turkmenistan)

Agronomist and machinery operators. P.Rappoport. Zemledelie 26 no.6:80-83 Je '64.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektrifikatsii sel'skogo khoziaistva. Povolzhskii filial. [System of machinery for overall mechanization of agriculture in the southeastern zone] Sistema mashin dlia kompleksnoi mekhanizatsii sel'skogo khoziaistva zony IUgo-Vostoka. Saratov, 1960. 30 p.
[MICROFILM]

Over-all mechanization should be introduced widely Ekon sel'khoz 35 no 6 1-7 Je '64.

Speed, efficiency, automation. A.Filippov. Izobr.i rats. no 5 1-2 '64

Trend toward intensification. I.Savel'ev. NTO 6 no.5:2-4 My '64

FARM MECHANIZATION—BIBLIOGRAPHY see Bibliography—Farm mechanization

FARM MECHANIZATION—RESEARCH see subdivision under White Russia

FARM MECHANIZATION—STUDY AND TEACHING
Organizing the technical training in agricultural technical schools. Friedrich Roch. Sred.spets.obr. 11 no.6:59-60 Je '64.

FARM PRODUCE
Campaign for large-scale chemistry. Zakup.sel'khoz. prod. no 1:1-3 Ja '64

FARM PRODUCE—MARKETING
(see also subdivision under Belgorod-Dnestrovskiy region, Odessa Province)

The government order is a law to the collective farm. A Shushakov, V Goriacheva Zakup.sel'khoz.prod. no.1,24-26 Ja '64.

FARMS—VALUATION
Nikolenko, G.S. [Economic valuation of land] Ekonomicheskaia otsenka zemli. Alma-Ata, Kazsel'khozgiz, 1964. 153 p.

FASCIAE (ANATOMY)
Different innervation of the parietal fascia of the true and false pelvis in man. E.I.Simagin. Arkh.anat. gist.i embr. 45 no.12:23-29 D '63.

FASTENINGS—STANDARDS
[Fastenings. Bolts. Screws. Nuts. Rivets] Krepezhnye izdeliia. Bolty. Vinty. Gaiki. Zaklepki. Izd.ofitsial'noe. Moskva, Izd-vo standartov, 1964. 243 p. (SSSR. Gosudarstvennye standarty)

FASTS AND FEASTS—ORTHODOX EASTERN CHURCH
Passion Week and the celebration of the Resurrection of Christ in the Patriarchal Cathedral of the Epiphany. Zhur.Mosk.Patr. no.6:7-11 '64.

FAT
Meat quality of swine and the morphology of the thyroid gland. E.V.Koriazhnov. Trudy VIZH 25:60-62 '63.

Role of dietary fat in the development of experimental hypertension. T.A.Braksh and others. Vop.pit. 22 no.3:22-28 My-Je '63.

FAT METABOLISM
Diurnal rhythm of fat loss and accumulation in Calanus helgolandicus (Claus) in the Black Sea. T.S.Petipa. Dokl.AN SSSR 156 no.6:1440-1443 Je '64.

see subdivision under
Kaunas

FATIGUE

Efficiency index of active rest during muscular work. S.I.Krapivintseva, R.I. Platkovskaia, N.A.Minaeva. Teor.i prak.fiz.kul't. 27 no.4 53-58 Ap '64

Functional and temperature characteristics of the recovery period after profound fatique induced by prolonged work V.I Zav'ialov Fiziol.zhur (Ukr) 9 no 6·818-818 N-D '63.

Processes of fatigue and recovery during the aging of an organism. V.V.Frol'kis. Teor.i prak fiz.kul't 27 no.5;26-29 My '64.

FATIGUE, MENTAL

Pratusevich, IU.M. [Mental fatigue of schoolchildren, symptomatology, physiological nature and means of elimination] Umstvennoe utomlenie shkol'nika; simptomatika, fiziologicheskaia priroda i puti ustraneniia. Moskva, Meditsina, 1964. 458 p.

FATIGUE TESTING MACHINES

Device for the microscopic study of fatigue strength. IA.I.Balakhontsev. Zav.lab 30 no 6:752-753 '64

Resonance apparatus for fatigue testing of sheet materials at various temperatures N M.Ryzhov, A.N.Kotov, A.G.Rakhshtadt. Zav lab. 30 no.6 751-752 '64.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY) see subdivision under Gissar Range; Karamazar Mountains; Russian Platform

FEATHER GRASS

Conditions determining the development of monocotyledonous characters in the early embryogenesis of feather grasses. M P.Solntseva, M.S IAkovlev Bot zhur 49 no 5 625-633 My '64

FEDERAL GOVERNMENT

Sovereignty and the Soviet federal state. G.B Agabekov. Uch.zap.IMO no.16;3-39 '63.

FEDIN, KONSTANTIN ALEKSANDROVICH, 1892

Letter to the editor. Nov mir. 39 no.12.276 D '63.

FEED MECHANISMS

Feed mechanism for sheet bars. D.A.Antonov. Mekh. i avtom.proizv. 18 no.1;30 Ja '64.

FEEDS

(see also subdivision under Kostroma Province; Vasil'kovka region, Dnepropetrovsk Province)

Demchenko, P.V. [Chemistry and animal husbandry] Khimiia i zhivotnovodstvo. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.16)

Economic efficiency of using Black Sea anchovies for the production of feed meal and oil. L S.Alpatikova. Trudy Azchernirо no 21.63-73 '63

Prudnikov, G.N. [Use feed resources wisely] Razumno ispol'zovat' kormovye resursy. [Moskva] Kolos, 1964. 82 p.
(DNAL)

Studying the digestibility of feeds by the method of inert indicators M.F.Tomme, R.V.Martynenko, A.A. Demina. Trudy VIZH 25;148-164 '63

Tiutiunnikov, A.I., and A.I.Ziuzin. [Feeds is the main thing] Korma - glavnoe. [Moskva] Moskovskii rabochii, 1964. 79 p.
(DNAL)

FEEDS—COMPOSITION

Tomme, M.F. [Feeds of the U.S.S.R., composition and food value] Korma SSSR; sostav i pitatel'nost'. Izd.4. Moskva, Izd-vo "Kolos," 1964. 446 p.
(DNAL)

FEEDWATER

Corrosion products in the water and vapor channel of high-pressure thermal electric power plant. V.A. Kryzhanovskii and others. Elek.sta. 35 no.5 11-14 My '64.

Determination of the magnitude of scavenging in electric power plants in condensate distilling operation M.V. Bovaiskaia, R.K.Gronskii. Elek.sta. 35 no.5;81 My '64.

Ejection of ferric oxide saturated with water vapor with high parameters. I.Kh.Khaibullin. Energomashinostroenie 10 no 5;28-30 My '64.

Use of hydrazine for preventing incrustation formation. N.N.Man'kina, L A.Meier, T.A.Kaluzhskaia. Elek. sta. 35 no.5;14-17 My '64.

FEEDWATER PURIFICATION
(see also subdivision under Azerbaijan)

New methods for removing nitrites and nitrates from boiler feedwater. A.P.Mamet, R.P.Stashko. Teploenergetika 11 no.7:55-60 Jl '64.

FELDSPAR see subdivision under Georgia

FEMORAL ARTERY—SURGERY

State of peripheral nervous structures of the pelvic extremity in rabbits during the development of collateral circulation. IU.I.Denisov-Nikol'skii. Biul.eksp. biol.i med. 55 [i.e.56] no.10;110-113 O '63.

FEMUR—FRACTURE

Intraosseous fixation of a femur fraction with a capron pin. L.G.Dvali, K.M.Skamkochaishvili. Trudy Inst. eksp.i klin.khir.i gemat.AN Gruz.SSR 11·257-262 '63.

FERGANA VALLEY—CELESTITE

Celestine concretions of Upper Cretaceous sediments in Fergana. N.S.Skiba. Zap.Kir.otd.Vses min.ob-va no.4 89-94 '63.

Concretion of celestine in the Upper Cretaceous sediments of eastern Fergana. T K Karzhauv. Uzb geol zhur 7 no.6;27-32 '63.

FERGANA VALLEY—MINERAL WATERS

Conditions governing the formation and distribution of the hydrogen sulfide waters of the Fergana artesian basin. D.S.Ibragimov Uzb geol.zhur. 7 no 6 43-51 '63.

FERMENTATION

Transformation of $2C^{14}$-acetic acid by yeasts in alcoholic fermentation. T.S.Lomkatsi. Soob.AN Gruz.SSR 33 no.3;573-578 Mr '64.

FERNS see subdivision under Soviet Central Asia; Sudzukhe region (Maritime Territory)

FERNS, FOSSIL see subdivision under Vologda Province

FERRATES see Ferrites (Magnetic materials)

FERRIC HYDRATES see Iron hydroxides

FERRITE CRYSTALS—GROWTH

Oxidation of spinel-structured ferrite crystals in the process of growing by Verneuil's method. S.Sh. Gendelev, E.K.IUr'eva. Rost krist. 4;129-137 '64.

FERRITES (MAGNETIC MATERIALS)

Anomalous magnetic properties of ferrites with a ferroxdure-type hexagonal structure. T.A.Elkina, L I.Koroleva. Fiz.met.i metalloved. 17 no.4·604-606 Ap '64

Device for automatic selection of ferrite cores. M.F. Aleshin and others. Nauch.-tekh.sbor.Gos.izd-va lit.v obl.atom.nauki i tekh. no.6:122-128 '63.

Effect of small additions on the temperature dependence of the initial magnetic susceptibility of magnesium zinc ferrites. A.S.Vorob'ev, V V.Kolchin. Izv.vys ucheb.zav., fiz. no.4;180-183 '64.

Precise measurements of the amplitude characteristics of ferrite cores with rectangular hysteresis loops. A.F.Ioffe. Nauch.-tekh.sbor.Gos.izd-va lit.v obl. atom.nauki i tekh. no.6;114-121 '63.

Temperature dependence of the first anisotropy constant in single crystals of iron-nickel ferrites A.I Drokin and others Fiz.met.i metalloved 17 no 5·684-688 My '64.

FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

Effect of hydrostatic pressure on the Curie temperature of nickel-copper-zinc ferrites. N.N.Sirota, IU.M. Khachatrian. Dokl.AN BSSR 7 no.12;805-806 D '63.

FERROCENE

Derivatives of ferrocenylamine. A.N.Nesmeianov, V.A.Sazonova, V.I.Romanenko. Dokl.AN SSSR 157 no.4;922-925 Ag '64.

Synthesis of organosilicon derivatives of ferrocene containing the Si-H bond. N.S.Nametkin, T.I. Chernysheva, L.V.Babare. Zhur.ob.khim. 34 no.7;2256-2262 Jl '64.

FERROELECTRIC CRYSTALS

Isomorphism and ferroelectric properties. A.S.Sonin, I.S.Zheludev. Rost krist. 4;203-208 '64.

Research on new ferroelectric and antiferroelectric substances that do not belong to the oxide group; a review. A.S.Sonin, I.S.Zheludev. Rost krist. 4;171-180 '64.

FERROMAGNETIC RESONANCE

Temperature dependence of the damping rate of spin waves. G.A.Petrakovskii, E.P.Naiden, I.K.Pukhov. Izv.vys.ucheb.zav.; fiz. no.4;68-71 '64.

FERROMAGNETISM

Dependence of the magnetic structure of $FePt_3$ alloys on the degree of long-range ordering. V.V.Kelarev, V.V.Kliushin, B.G.Liashchenko Fiz met.i metalloved 17 no.5·779-792 My '64.

Effect of a third element and the struction of invar-type iron-nickel alloys on the ΔE -effect and their physical anomalies. S.I.Doroshek. Fiz.met.i metalloved. 17 no.4;638-640 Ap '64.

Effect of plastic deformation on the magnetization saturation of ferromagnetic materials. I.IA.Dekhtiar, D.A.Levina. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.19;189-197 '64.

Microscopic theory of magneto-optical effects in ferromagnetic materials. A.N.Voloshinskii, G.A. Bolotin. Fiz.met.i metalloved. 17 no.4;481-489 Ap '64.

Possibility of the existence of surface ferromagnetism. L.N.Bulaevskii, V.L.Ginzburg. Fiz.met.i metalloved 17 no.4 631-633 Ap '64.

Theory of the magnetization of ferromagnetic materials with two magnetic sublattices. V G.Bar'iakhtar, L.A Shishkin. Fiz met i metalloved 17 no 5;564-571 My '64

FERROUS SULFATE

Process of thermal dissociation of iron vitriol. S.N. Ganz, A.L.Luk'ianitsa, R.I.Braginskaia. Trudy DKHTI no.16;221-224 '62.

FERSMAN, ALEKSANDR EVGEN'EVICH, 1883-1945

A.E.Fersman and geochemistry; 80th anniversary of his birth. L.V.Komlev. Vest.LGU 19 no.12;17-22 '64.

80th anniversary of Academician A.E.Fersman. V.I. Lebedev. Vest.LGU 19 no.12;176-177 '64.

FERTILIZATION (BIOLOGY)

Action of some factors on fertilization and sex ratio in mammals. I.I.Sokolovskaia, L.D.Drozdova. Trudy VIZH 25;109-122 '63

Electron microscopic study of the fertilization process. I.B.Tokin. Arkh.anat.,gist.i embr. 43 no.8;101-114 Ag '62.

FERTILIZATION OF PLANTS

Effect of pollinizers on the properties of apple. H.A. Ambrosava. Vestsi AN BSSR.Ser.biial.nav. no.4;63-72 '62.

Fertility of winter rye in intraclonal pollination. K P Veselova. Agrobiologiia no.1;151-153 Ja-F '64.

Fertilization process in Rudbeckia maxima. S.N.Movsesian. Izv.AN Arm.SSR.Biol.nauki 17 no.2;77-83 F '64.

"Origin of anthophily in insects" by E.K.Grinfel'd. Reviewed by V.Tobias Ent.oboz 42 no 4;945-946 '63

Sexual dimorphism and pollination in Schisandra chinensis. L.M.Shilova. Mat.k izuch.zhen'.i drug.lek.rast. Dal'.Vost. no.5;267-270 '63.

FERTILIZER INDUSTRY

The decisions of the December and February Plenums of the Central Committee of the CPSU should be carried out A.Storozhev Metallurg 9 no 7.5-6 Jl '64

FERTILIZER SPREADERS

Testing some machines for spreading peat-mineral fertilizers. K N Bazhenova. Trudy Kostr.sel'khoz inst "Kar" no.3.278-286 '63.

FERTILIZERS AND MANURES
(see also subdivision under Latvia; Mordovia; Ukraine; Volgograd)

Agrochemical condition of soils and the use of mineral fertilizers A V Sokolov. Agrokhimiia no 1;12-22 Ja '64.

Biologically active substances of organic fertilizers and their importance in plant nutrition. A.V.Manorik, V.F.Vasil'chenko. Agrobiologiia no.1;16-28 Ja-F '64

Change of the mineralogical composition of Podzolic soils as a result of the use of fertilizers over a period of many years. S.N.Aleshin, M.Sh.Shaimukhametov. Izv.TSKHA no.6;64-73 '63.

Determination of potassium in complex and mixed phosphorus fertilizers. F.M.Rapoport, N.A. Nikitina, A.N.Polianskaia. Zav.lab. 30 no.6 667-669 '64.

Economic problems of using fertilizers. K.Obolenskii. Ekon.sel'khoz. 35 no.6;16-26 Je '64.

Effect of a methodical use of fertilizers in crop rotations on the nitrogen content of soils. P.M.Smirnov. Izv. TSKHA no.6;93-103 '63.

Effect of continuous crop rotation, monocultures, and fertilization on the composition of soil microflora. E.N.Mishustin, E.Z.Tepper. Izv.TSKHA no.6;85-92 '63.

Effect of mineral fertilizers used with peat. M.I.Kasatkin. Trudy Kostr.sel'khoz.inst."Kar." no.3 113-118 '63.

February Plenum of the Central Committee of the CPSU Khim.i tekh.topl.i masel 9 no.4;1-2 Ap '64.

Fertilizers in crop rotation. A.I.Lebedik. Zemledelie 26 no.6;25-30 Je '64.

Forms of potassium in soils fertilized over a period of many years. A.V.Peterburgskii, F.V.IAnishevskii. Izv.TSKHA no.6,113-124 '63.

Helping crops. NTO 6 no.6;9-12 Je '64.

Liming of continuously fertilized soils in crop rotation and monoculture. V.E.Egorov, B.A.Dospekhov. Izv. TSKHA no.6.125-137 '63.

Methods of using potash in agriculture. I.M.Strebkov. Khim.v sel'.khoz. 2 no.4;16-20 Ap '64.

Nutrition of plants as related to the use of fertilizers. S.A.Kudrin Zemledelie 26 no.6;34-38 Je '64.

Phosphates in continuously fertilized soils. B.A. Dospekhov. Izv.TSKHA no.6.104-112 '63.

Photosynthesis and mineral fertilizers. A.A.Nichiporovich. Agrokhimiia no.1;40-52 Ja '64.

FERTILIZERS AND MANURES (Continued)

Problems in determining the nutrient requirements of plants K P Magnitskii Agrokhimiia no 1 129-140 Ja '64.

Results of half a century's field experiments of the Timiriazev Agricultural Academy with fertilizers, crop rotation, and monocultures. V.E.Egorov. Izv. *TSKHA no. 6,30-56 '63.*

Role of continuous use of fertilizers, crop rotation, and monocultures in the change of the organic matter in Podzolic soils. A.M.Lykov. Izv TSKHA no. 6 57-63 '63.

Use of open-hearth slags as fertilizer. A.S.Fefer, A.N Morozov, Z.I.Bulatova. Stal' 23 no 4 289-291 Ap '64.

FERTILIZERS AND MANURES—BIBLIOGRAPHY see Bibliography—Fertilizers and manures

FERTILIZERS AND MANURES—DRYING

Petrogradation of mixed fertilizers during drying in a pseudofluidized bed. V.I Hladushko, I V Sergievs'ka. Khim prom [Ukr.] no 3;41-44 Jl-S '63

FERTILIZERS AND MANURES—HANDLING

Comprehensive mechanization of the removal of manure. N Morozov Ekon.sel'khoz 35 no 6 75-80 Je '64.

FETUS

Functional morphology of the ovaries of fetuses and newborn infants. L.E.Etingen. Trudy Tadzh.med.inst. 50:55-58 '61

FETUS—DISEASES

Possibilities of transplacental chemotherapy of the fetus with antibiotics from the tetracycline group I.A Barkalaia, A.M.Chernukh Akush i gin 39 no 5:74-79 S-O '63.

Review of G.Flamm's book "Human prenatal infections" P.IA.Lel'chuk. Akush.i gin. 39 no.5;156 S-O '63

FETUS, DEATH OF

Some biochemical indices in a study of the placenta in a case of intrauterine fetal death. K.S.Chirkovskaia. Akush.i gin 39 no 5;42-44 S-O '63.

FEVER, PUERPERAL see Puerperal septicemia

FEVER THERAPY

Use of electrophoresis combined with inductothermy or ozocerite in treating lumbosacral radiculitis. N.P. Krylov. Vop.kur.,fizioter.i lech.fiz kul't no.6;541-548 '63.

FIBER GLASS REINFORCED PLASTICS see Glass reinforced plastics

FIBERS—DRYING

Drying of tube fibers in liquid media. IU.G.Ershov. Izv.vys.ucheb.zav., energ. 7 no.7:104-108 Jl '64.

FIBRIN

Inhibition phenomenon and fibrin formation. A.A.Siurin. Vop.med.khim. 9 no.2:167-172 Mr-Ap '63.

Role of fibrin and the cellular elements of exudate on the formation of collagen fibers in aseptic inflammation. IU.G.TSellarius, G P.Sokolova, N I Kremlev. Izv. Sib otd AN SSSR no.9:122-124 '62.

FIBRINOGEN

Inhibition phenomenon and fibrin formation. A.A.Siurin. Vop.med.khim. 9 no.2:167-172 Mr-Ap '63.

Qualitative changes in fibrinogen and methods for their study. V.P.Baluda, G.P.Rusakova, O.IU Tokarev. Lab.delo no.7.425-429 '64.

FIELD CROPS

(see also subdivision under Alekseyevka region, Belgorod Province; Baraba Steppe; Volgograd Province; White Russia)

Checking the reliability of accounting for planting acreage. G.Makhov. Vest.stat. no.7;40-46 '64.

Estimating the energy accumulation of field crops in a continuous field experiment. N.Kh.Zhdanov. Izv. TSKHA no.6:162-168 '63.

Stankov, N.Z. [Root system of field crops] Kornevaia sistema polevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 279 p.
(DNAL)

FIELD CROPS—ECONOMIC ASPECTS see subdivision under Orel Province

FIELD CROPS—FERTILIZERS AND MANURES
(see also subdivision under Kazakhstan)

Diagnosis of the conditions of plant nutrition in a continuous field experiment. K.P.Magnitskii and others. Izv.TSKHA no.6:151-161 '63.

Effect of a methodical use of fertilizers on the accumulation of radioisotopes in crops I.V.Guliakin, E.V. IUdintseva. Izv.TSKHA no.6;138-150 '63.

Morphogenesis and mineral nutrition of the seed plants of biennial crops A.S Kruzhilin and others. Agrokhimiia no.1:117-122 Ja '64.

FIELD EMISSION

Field emission of a system of tungsten wedges. E.G. Shirokov. Radiotekh.i elektron 9 no.7;1320-1321 Jl '64.

Pulse field emission of rhenium. G.N.Fursei. Zhur. tekh fiz. 34 no.7;1312-1316 Jl '64.

Some characteristics of field emission at high current densities. IU.V.Zubenko, I.L.Sokol'skaia, G.N. Fursei. Zhur.tekh fiz 34 no.5;911-912 My '64

FIELD EXPERIMENTS

(see also subdivision under Moscow region)

Pay attention to the methods of field experiments V.A Dospekhov. Zemledelie 26 no.6;93-96 Je '64.

FIELD MICE

Characteristics of the development of temperature regulation in voles during the first month after their birth N.V.Bashenina, E.M.Borovskaia Biul MOIP.Otd biol. 68 no 3 34-45 My-Je '63

FIELD MICE—GEOGRAPHICAL DISTRIBUTION

Geographical changes in the association of murine forest rodents with particular biotopes in the European part of the U.S.S R. N.I.Larina, V.L.Golikova Biul MOIP.Otd.biol. 68 no.3·21-33 My-Je '63

FIGNER, NIKOLAI NIKOLAEVICH, 1857-1918

The reader opens the brackets. Teatr 24 no.8'95 Ag '63

FIGUROVSKII, NIKOLAI ALEKSANDROVICH, 1901-

Nikolai Aleksandrovich Figurovskii, on his 60th birthday. IA.I.Gerasimov, T.A.Komarov. Zhur.fiz.khim. 36 no.3;666-668 Mr '62.

FILMS (CHEMISTRY)

Electronics of thin films F.Staros, M.Likhachev. Radio no 1 18-20 Ja '64

Properties of polypropylene films. G.A.Ermilova, R.A. Arakelian. Plast.massy no.2;48-50 '64.

FILMS (CHEMISTRY)—TESTING

Anisotropy of the mechanical properties of uniaxially oriented films of crystalline polymers. E.K.Ashkenazi. Plast.massy no.2;67 '64.

FILTERS AND FILTRATION

Decrease in the hydraulic resistance of cyclones and battery-type cyclones. E F.Kirpichev Teploenergetika 11 no 7·11-15 Jl '64

Effect of the concentrations of a water-repellent additive (turpentine) on the filtration of quartz suspensions. M.B.Barbin. Izv.vys.ucheb.zav , gor.zhur. 7 no.3: 179-182 '64.

Material composition of filter residues from the production of aluminum-silicon alloys. E.G Safonova, E.I. Khazanov. Izv.Sib.otd.AN SSSR no.7·71-78 '62.

Slotted distributing system for ion-exchanger filters made of steel tubes. A.M.Kukin. Khim.volok. no.3: 67-68 '64.

Small attachable filter for a deep-well measuring device. B.A.Moloichino Trudy KNII NP no.17 117-120 '62.

Study of "suffosion" and colmatage in block-type filters made of porous materials. N.D.Bessonov. Trudy Lab.inzh.gidrogeol. VODGEO no.5;29-52 '63.

Use of vinyl plastics for the manufacture of vacuum filters for soda manufacture. V.I.Shishko, H.F. Svynin. Khim.prom.[Ukr.] no.3;78-79 Jl-S '63.

FILTERS AND FILTRATION—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hydraulic and lubricating devices; filters; magnetic separators] Gidravlicheskie i smazochnye ustroistva; fil'try; magnitnye uloviteli, (MN 4650-63—MN 4652-63). Moskva, Izd-vo standartov, 1963. 10 p. (SSSR. Normali mashinostroeniia)

FINANCE

(see also subdivision under Volyn' Province)

Alikhashkin, A.I., I.I.Gorchev, and E.S.Maiorov. [Mechanization of planning and accounting work in financial organs] Mekhanizatsiia planovo-uchetnykh rabot v finansovykh organakh. Moskva, Izd-vo "Finansy," 1964. 92 p.

Erroneous points of a booklet. K.Larionov. Fin.SSSR 38 no.6;87-92 Je '64.

Improve the economic work of financial organs. Fin. SSSR 38 no.6;3-7 Je '64.

In the Ministry of Finance of the U.S.S.R. Bukhg.uchet. 20 no.12;69-70 D '63.

Kostromin, G.I. [The national economic significance of financial planning] Narodnokhoziaistvennoe znachenie finansovogo planirovaniia. Moskva, Gosfinizdat, 1963. 94 p.

Mitel'man, E.L. [Financing and credit in industry] Finansirovanie i kreditovanie promyshlennosti. Moskva, Izd-vo "Finansy," 1964. 359 p.

Several problems of financial planning. M.Atlas. Fin.SSSR 38 no.6;33-41 Je '64.

Simonova, TS.M., and M.D.Sherikh. [Checking of the financial plan of an industrial enterprise] Proverka finansovogo plana promyshlennogo predpriiatiia. Moskva, Izd-vo "Finansy," 1964. 112 p.

Utkin, E.A. [State finance, currency circulation and credit in capitalist countries] Gosudarstvennye finansy, denezhnoe obrashchenie i kredit kapitalisticheskikh stran. Moskva, Univ. druzhby narodov, 1963. 122 p.

Vasil'ev, P.G., and N.A.Shirkevich. [Financial control in the U.S.S.R.] Finansovyi kontrol' v SSSR. Moskva, Zaochnyi finansovo-ekonomicheskii in-t, 1960. 33 p.
[MICROFILM]

FINANCE—BIBLIOGRAPHY see Bibliography—Finance

FINANCIAL STATEMENTS

Analyze annual reports carefully. Bukhg uchet 20 no 12:1-6 D '63

FINISHES AND FINISHING

Polymer cement leveling blankets. K.I.Karasev, A.V. Petrova. Stroi.mat. 9 no.6;13-14 Je '63.

FINLAND—FOREIGN RELATIONS—RUSSIA

Policy tested by time, testimony of the twenty-five years of Soviet-Finnish relations. L Bezymenskii Nov vrem. 22 no.35;10-13 Ag '64.

FINLAND—RUSSIAN CONQUEST, 1808-1809

From the history of the relations between Russia, Sweden and Finland from the second half of the 18th to the early 19th century I. Kiaiviarlainen. Uch. zap.Petrozav gos un. 11 no 1;122-141 '62.

FINLAND—SWAMPS

Comparison of the bog regions of Karelia, Kola Peninsula, and Finland. M.S.Boch, T.K.IUrkovskaia. Bot.zhur. 49 no.7;980-988 Jl '64.

"On the regional subdivision of swamps in southern Finland," by S.Eurola Reviewed by M S Boch. Bot zhur 49 no.5 746-749 My '64

FINNO-UGRIAN LANGUAGES—BIBLIOGRAPHY see Bibliography—Finno-Ugrian languages

FIR

(see also subdivision under White Russia)

Firs of the eastern hemisphere. A.E.Matsenko. Trudy Bot.inst.Ser.1 no.13;3-103 '64.

Phytoncide preparations derived from fir and their effect on a macro-organism. Sh.I.Pavolotskii Mat.k izuch. zhen'.i drug.lek.rast.Dal'.Vost. no 5;287-297 '63.

FIRE CONTROL (GUNNERY)

Training rocket fire control Pashkovskii. Voen.vest. 43 no.4;12-13 Ap '64.

FIRE PREVENTION

Cherkasov, V.N., and V.E.Ul'iashchenko. [Fire prevention in electrical systems] Pozharnaia profilaktika elektroustanovok. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 199 p.

"Fire prevention requirements. Basic design conditions." Biul.stroi.tekh. 20 no.7;19-23 Jl '63.

FIREARMS INDUSTRY—ACCOUNTING see subdivision unde Tula

FISH, DRIED

Drying of goby in a conveyor steam dryer. Z A.IAkovleva, I.G Ruban, Z S.Parshina. Trudy Azcherniro no 21;36-40 '63

FISH, SALT

Improving the formula for domestic spices mixture in the salting of anchovies. M N.Shumilova. Trudy Azcherniro no.21 31-36 '63.

FISH AS CARRIERS OF DISEASE

Role of the nine-spined stickleback in the dissemination of diphyllobothriasis. P.B.Gofman-Kadoshnikov and others. Med.paraz.i paraz.bol. 32 no.4;460-465 Jl-Ag '63.

FISH CULTURE

(see also subdivision under Beysug Liman; Don Valley; Uzyak region, Rostov Province)

Chemical method of the transformation of lakes with respect to their use for fish culture; preliminary results and prospects for the future. E.V.Burmakin. Izv.GosNIORKH 55:7-17 '63.

Determination of the coefficient of survival of fish larvae in specially conditioned lakes. V.V.Gulin. Izv.GosNIORKH 55:115-123 '63.

Economical efficiency of fish farming in small chemically conditioned lakes. A.A.Kal'nibolotskii. Izv.GosNIORKH 55:136-146 '63.

Prospects for fish farming in small chemically conditioned lakes. B.I.Ponedelko. Izv.GosNIORKH 55:127-*134 '63.*

FISH CULTURE—CONGRESSES

All-Union seminar on pond fish culture. Izv.TSKHA no.6;229 '63.

FISH CULTURE—EQUIPMENT AND SUPPLIES

Mechanical sprayer for chemical treatment of lakes. R.I.Balashev, B.A.Nikolaev. Izv.GosNIORKH 55:34-37 '63.

FISH INTRODUCTION see subdivision under Karelia

PRODUCTION STANDARDS

Bases for the establishment of waste and loss norms in the industrial processing of fish N I Goremykina Trudy Azcherniro no 21:29-31 '63

FISHERIES see subdivision under Aral Sea; Greenland

FISHERIES—HYGIENIC ASPECTS see subdivision under Murmansk

FISHERY PRODUCTS—CHEMICAL COMPOSITION

Mineral content of principal commercial fish caught in the southern and central Atlantic and verification of the correlation between the content of mineral elements and protein. Z.A.IAkovleva. Vop.pit. 23 no.1:57-60 Ja-F '64.

FISHERY PRODUCTS—CONTAINERS

Mechanization of the sealing of tight barrels Kh G Khristoforidi, V G Gerasimov Trudy Azcherniro no 21 60-63 '63

FISHERY PRODUCTS—PRESERVATION

Effect of proteolytic enzymes on fish proteins in the presence of antiseptics G, K Koval'chuk. Trudy Azcherniro no 21 53-60 '63

FISHERY PRODUCTS—TESTING

Technological and chemical characteristics of the Atlantic sardine and causes of the deterioration of its quality during industrial processing G S Khristoferzen, N V Timofeeva. Trudy Azcherniro no 21 40-46 '63.

FISHES

(see also subdivision under Atlantic Ocean; Black Sea; Ceylon; White Russia)

Borisov, P. G., and N. S. Ovsiannikov. [A manual of commercial fishes of the U.S.S.R.] Opredelitel' promyslovykh ryb SSSR. Izd. 4., perer. i dop. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 318 p.

Determination of the potassium content of fish tissues by the method of flame photometry. N I. Buianov Mat rybokhoz issl Sev. bas no 1.59-62 '63

FISHES—AGE

Experimental data on the age factor in fish resistance to toxic substances. V.I. Luk'ianenko, B. A. Flerov. Farm. i toks. 26 no. 5:625-628 S-O '63.

FISHES—EGGS

Effectiveness of the natural spawning of salmon. I. N. Griniuk. Mat. rybokhoz issl. Sev. bas no 1:43-46 '63

FISHES—FOOD

(see also subdivision under Azov, Sea of; Beysug River; Chernoyerkovskaya region, Krasnodar Territory; Kuban; Okunevets, Lake, Pskov Province; Uzyak region, Rostov Province)

Field analysis of cod and haddock feeding N. S. Novikova. Mat rybokhoz issl Sev. bas no 1:26-30 '63

Significance of the vitamins of green aquatic vegetation in rearing young-of-the-year carp. T. A. Deeva Trudy AzNIIRKH no. 6:179-188 '63.

State of the food supply and feeding habits of young pike perch and roach (Rutilus rutilus heckeli) on the Akhtari Spawning and Rearing Farm. A. G. Krylova. Trudy AzNIIRKH no. 6 133-142 '63.

Vsesoiuznoe gidrobiologicheskoe obshchestvo. [Feeding habits of commercial marine fishes] Pitanie morskikh promyslovykh ryb. Moskva, Izd-vo "Nauka," 1964. 150 p.

FISHES, FRESHWATER

Polychloropinene concentrations lethal to some freshwater fishes. E. V. Burmakin. Izv. GosNIORKH 55:26-29 '63.

FISHING

Experimental fishing from whalers S. S. Vinnov Trudy Azcherniro no. 21 · 18-29 '63.

FISHING BOATS see subdivision under Atlantic Ocean

FISHING NETS

First industrial testing of set gill nets made from lavsan and anid in the Sea of Azov. E. G Sharapov Trudy Azcherniro no. 21:15-18 '63.

FISHPONDS—FERTILIZERS AND MANURES

Effect of lime and nitrogen-phosphorus fertilizers on the hydrochemical conditions and primary production of Lake Zhemchuzhnoye. I. V. Baranov, T. I. Pshenina. Izv. GosNIORKH 55:47-59 '63.

FISTULA, BRONCHIAL

Broncho-nodular perforations in tuberculosis. V. D. Gol'dshtein, P. I. Kurakov, M. I. Shtern. Probl. tub. 42 no. 1:28-33 '64.

Repeated suture of the stump of the main bronchus with fistula resection following pneumonectomy. L. K. Bogush, V. S. Severov, V. F. Didenko. Grud. khir. 5 no. 5:54-59 S-O '63.

FISTULA, RECTOVAGINAL

Our experience in the treatment of vaginal fistulas. L. IA. Shnitser. Akush. i gin. 39 no. 5:138-142 S-O '63.

Surgical treatment of old total perineal ruptures. N. M Pisarskaia. Akush i gin 39 no. 5:136-138 S-O '63

FISTULA, URINARY

Urethroplasty and urethropoiesis in large urethral fistulas and urethral rupture. A. E. Mandel'shtam Akush i gin 39 no 5:112-117 S-O '63

FISTULA, UTERINE

Uterine-abdominal fistulas. M. I. Burmistrov, P. K. Timchenko. Akush. i gin. 40 no. 1:138-139 Ja-F '64.

FISTULA, VESICOVAGINAL

Our experience in the treatment of vaginal fistulas. L. IA Shnitser. Akush i gin 39 no. 5:138-142 S-O '63.

Twenty-eight years after an operation transplanting the ureters into the intestine in inoperable puerperal fistula. A. M Mazhbits. Akush i gin 39 no. 5:149-150 S-O '63.

Two cases of healing of vesico-vaginal fistulas under the influence of 4-methyluracil (metacil, methyluracil). V. P. Tobilevich, E. P. Mikhina, M L. Gershanovich. Vop. onk. 10 no 3:115-117 '64.

FLAGELLATA

New data on the mode of food intake in the flagellates of the genus Rhynchomonas L A Tel'kova. Zool zhur 43 no. 4,606-607 '64

FLAGS

(see also subdivision under Canada)

Banners as historical objects and museum displays. M. P. Simkin. Trudy NIIM no. 10·3-275 '63.

FLAKE-GLASS LAMINATES

Glass textolite based on phenol-formaldehyde resins modified by polyphenylaluminosiloxanes. K. A. Andrianov, IA. L. Shugal, E. Z. Asnovich. Plast. massy no. 2:44-48 '64.

FLAME

Emission of carbon particles in a flame A. G Blokh. Teploenergetika 11 no 7 16-19 Jl '64.

Ionization rate, recombination, and mean lifetime of ions in flames. N. A Nesterenko. Izv vys. ucheb. zav.; fiz. no. 4:17-21 '64.

Stabilization of a flame by opposing streams. S. A. Gol'denberg Teplofiz vys temp 2 no. 3·344-350 My-Je '64

Study of the normal speed of propagation of a flame and the limit diameters in the decomposition of pure acetylene in vertical tubes. B. A. Ivanov, S. M. Kogarko. PMTF no. 2:164-166 Mr-Ap '64.

FLAME—TESTING

Optical methods of determining the concentration of soot in flame. A. E. Kadyshevich. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:215-220 '64.

FLAME PHOTOMETRY

Determination of the potassium content of fish tissues by the method of flame photometry. N I. Buianov. Mat rybokhoz. issl. Sev bas. no. 1:59-62 '63.

FLAVONOIDS

Changes in the blood coagulation system and their significance in the development of a hemorrhagic syndrome in the deficiency of ascorbic acid and capillary-strengthening bioflavonoids in the body. I. I. Matusis, I. I. Ulasevich. Vop. pit. 23 no. 1:22-25 Ja-F '64.

Chemical studies on flavonoid compounds from the licorice Glycyrrhiza uralensis Fisch. V. I. Lytvynenko. Farmatsev. zhur 18 no. 5:20-25 '63.

FLAX

(see also subdivision under Kostroma Province)

[Flax is our wealth] Len - nashe bogatstvo. [Moskva] Mosk. rabochii, 1964. 65 p.
(DNAL)

Morphological changes in the varieties of fiber flax treated with growth regulating herbicides. A. P. Valynets, S. M. Mashtakou. Vestsi AN BSSR. Ser. biial. nav. no. 4:33-39 '62.

FLAX—FERTILIZERS AND MANURES

(see also subdivision under Kostroma Province)

Effect of basic elements of mineral nutrition on the growth and development of flax. L. L. Koshaleva. Vestsi AN BSSR. Ser. biial. nav. no. 4:46-51 '62.

FLAX INDUSTRY see subdivision under Likhoslavl' (Kalinin Province)

FLAX PROCESSING MACHINERY

Ways of increasing the efficiency of flax threshing units. S. G. Porfir'ev. Trudy Kostr. sel'khoz. inst. "Kar." no. 3:234-241 '63

FLEAS

(see also subdivision under Caspian Sea region; Kamchatka; Tatar A.S.S.R.)

Larvae of fleas of the family Ctenophthalmidae. Report No. 4. A. N. Kir'iakova. Zool. zhur. 43 no. 4:572-580 '64.

Two new palaearctic species of the genus Chaetocnema of the group Ch. concinna March (Coleoptera, Chrysomelidae, Halticinae). A. A. Liubishchev Ent oboz. 42 no 4 858-863 '63.

FLIES see subdivision under Azerbaijan; Estonia

FLIES AS CARRIERS OF DISEASE

Migration of flies under urban conditions. E F. Gadzhei. Med. paraz. i paraz. bol. 32 no. 4·465-468 Jl-Ag '63.

FLIGHT, UNPOWERED see Gliding and soaring

FLIGHT TRAINING

First class training and combat preparedness. A. Koniukhov Av i kosm 47 no. 9·49-53 S '64.

Nose spin with a training jet plane. A. Nikolaev, A. Leonov, V Poguliaev Av i kosm. 47 no 9:21-24 S '64.

One day V Naprienko Grazhd av 21 no 6·4-5 Je '64

Pupils go to the sky P. Baranov. Av. i kosm. 47 no. 9·25-27 S '64

Trainer, educator and a student himself. A. Matveev Av i kosm. 47 no 9 14-20 S '64

Training flight with freight V Kliuchko Grazhd av 21 no 6 5 Je '64

Training is not a parade Av. i kosm. 47 no 9:6-10 S '64

FLOODS

Short-range forecast of flood hydrograph L. M. Margolin. Meteor i gidrol no 7 21-25 Jl '64

FLOORS

Arbuzov, N. T., and A. P. Mandrikov. [Floors and roofs of residential and industrial farm buildings] Poly i krovli zhilykh i proizvodstvennykh sel'skokhoziaistvennykh zdanii. Moskva, Stroiizdat, 1964. 109 p.

New material for floors made from industrial wastes. A. N. Minin, L. T. Kat'ko. Stroi. mat. 9 no. 6:16-18 Je '63.

FLOORS, CONCRETE

Obtaining smooth face surfaces of concrete floors. Inform. biul VDNKH no 2 17-19 F '64.

FLORICULTURE

Kiselev, G. E. [Floriculture] TSvetovodstvo. Izd. 3., ispr. i dop. Moskva, Izd-vo "Kolos," 1964. 983 p.
(DNAL)

Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. Upravlenie semenovodstva. [Growing bulbous, cormatose and perennial flowers] Opyt vyrashchivaniia lukovichnykh, klubnelukovichnykh i mnogoletnikh tsvetochnykh rastenii. Moskva, Izd-vo "Kolos," 1964. 151 p.
(DNAL)

FLORICULTURE—EXHIBITIONS see subdivision under Rotterdam; Turin

FLOTATION

(see also subdivision under Krivoy Rog Basin)

Desulfuration of coals by saline flotation. V. S Kharlamov Sbor. nauch. trud. KGRI no. 10:349-350 '61.

Effect of the concentration of lignin sulfonate on the frothing capacity of a solution during flotation of distiller's yeasts. T. B. Krylova, A. V. Buevskoi, O. A. Dmitrieva. Gidroliz. i lesokhim. prom. 17 no. 3:5-7 '64.

Flotation characteristics of quartz associated with the activation of its surface. G B. Delitsyna, V. I Kovalenko. Sbor. nauch. trud. KGRI no. 10 342-348 '61.

From ore dressing at the Northern Mining and Ore Dressing Combine using magnetic separation and flotation. F. N. Belash, P. A. Gontarenko. Met. i gornorud. prom. no. 6:52-55 N-D '62.

Principal dynamic regularities of the flotation process as an object of automatic control. V. Z. Kozin. V. A. Lukas. Izv. vys. ucheb. zav.; gor. zhur. 7 no 3:164-170 '64.

Studying the ability of Urgal coals to undergo treatment by means of flotation. Sh. P. Rutman, E. A. Vinokurova Trudy DVFAN SSSR. Ser. khim. no. 6:97-101 '62.

Theory and practice of the flotation of minerals in weakly acid media. F. N. Belash. Sbor. nauch. trud. KGRI no. 10:281-322 '61.

FLOTATION—BY-PRODUCTS

Utilizing nepheline pulp, lean in calcium oxide for needs of the construction industry. M M. Gol'dman and others. Trudy Inst. met i obog. AN Kazakh SSR 8 122-125 '63.

FLOTATION—EQUIPMENT AND SUPPLIES

Increasing the efficiency of the interaction between collector reagents in the flotation in sulfides. V. A. Glembotskii, K. T Kosherbaev, M. A Sokolov. Trudy Inst. met. i obog AN Kazakh SSR 8.131-138 '63.

FLOUR

Urgent problems concerning the improvement of flour quality. N. P. Koz'mina. Khleb. i kond. prom. 8 no. 7:4-6 Jl '64.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWMETERS

Determining the location of the parted casing of a producing string using a flow meter F S. Abdulin, V. B Matthosian. Nefteprom delo no 7:37-39 '64.

Electromagnetic consumption meter containing a transducer with a nonuniform magnetic field. I. H. Fiks. Avtomatyka 6 no. 6:29-41 '63.

"Flowmeters" by P. P. Kremlevskii. Reviewed by E. F. Dolinskii. Izm. tekh. no. 3:56-57 Mr '64.

Investigation of wells with deep-well flow meters of the Ufa *Petroleum Scientific* Research Institute. I. A. Fakhreev. Nefteprom. delo no. 4:30-32 '63.

Scientific technical conference "Methods and instruments for measuring the consumption and quantities of fluid, gas and steam." P. P. Kremlevskii. Izm tekh. no. 3 50-53 Mr '64.

FLOWMETERS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Visual indicators of the supply of centralized lubrication and cooling fluids, design and basic dimensions] Ukazateli podachi vizual'nye tsentralizovannoi smazki i okhlazhdeniia, konstruktsiia i osnovnye razmery (MH 5073-63—MN 5076-63). Moskva, Izd-vo standartov, 1964. 11 p. (SSSR. Normali mashinostroeniia)

FLUE GASES

Quality of a water pipe heated in contact gas economizers I. Z. Aronov, E. N. Solodovnikova. Gaz. prom. 9 no. 4: 21-25 '64.

FLUID DYNAMICS

Approximate solution of plane radial problems of unsteady-state flow. V. M. Entov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:33-39 Jl-Ag '64.

Carrying capacity of a layer of gas or a cavitating fluid. S. I. Sergeev. Izv. AN SSSR. Mekh. i mashinostr. no. 4: 172-177 Jl-Ag '64.

Displacement of a viscous fluid taking into consideration the differences of viscosities and densities. V. I. Maron. Inzh. zhur. 4 no. 2:336-342 '64.

Energy and expenditure of a gas carrying suspended particle. A V Rachinskii Trudy VZDI no 20.44-64 '62

Lebedev, I. V. [Spread of a flow in a limited space] Rasshirenie potoka v ogranichennom prostranstve. Pod red. S. V. Izbasha. Moskva, Mosk. energeticheskii in-t, 1963. 53 p.

[MICROFILM]

Method for calculating the nonstationary field of velocities and pressures in a liquid flow N I. Nikitenko. Izv. vys. ucheb. zav.; energ. 7 no. 6 76-81 Je '64

Motion equations for a nonequilibrium medium taking radiation into consideration. V. N. Zhigulev. Inzh. zhur. 4 no. 2:231-241 '64.

Precise solution of the plane problem of viscous fluid flow in a diffuser without the consideration of inertia elements. K. P. Strashinina. Izv. vys. ucheb. zav., av. tekh 6 no. 4 33-38 '63.

Pressure losses in transient and turbulent motion of liquids in circular pipes. B. V. Pustovoit. Izv. vys. ucheb. zav., energ. 7 no. 6:87-92 Je '64.

Speed pulsations in a two-phase flow. IU. T. Borshchevskii Izv Sib. otd. AN SSSR no 6:13-19 '62.

FLUIDIZATION

Dehydrogenation of alkyl aromatic hydrocarbons in a fluidized bed of various oxide catalysts. IU. G. Mamedaliev and others. Dokl. AN Azerb. SSR 20 no. 6:7-10 '64.

Investigating the chlorination process of granulated high-titanium slag in a fluidized bed. E. I Machkasov, E. N. Suleimenov, V. D Ponomarev Trudy Inst met. i obog. AN Kazakh. SSR 8:32-39 '63.

Investigating the combustion of gas in a fluidized bed as applicable to heating furnaces. G. K. Rubtsov, N. I. Syromiatnikov. Izv. AN SSSR. Met. i gor. delo no. 2: 69-74 Mr-Ap '64.

Investigating the structure of a fluidized bed by the radioactive method. A. A. Akhromenko, A. S. Kruglov. Khim. i tekh. topl. i masel 9 no. 4:61-64 Ap '64.

Kinetic anomalies in catalytic contact reactions in small-sized fluid catalyst beds. Pal Szolcsanyi. Zhur. fiz. khim. 36 no. 3:513-517 Mr '62.

Producing expanded perlite in furnaces with fluidized beds. A. I. Polinkovskaia, O. A. Chernov, I. IA. Abramov. Sbor. trud. ROSNIIMS no. 25:63-71 '62.

[illegible]

Study of laws governing surface errosion in a fluidized bed. L. N. Sidel'kovskii, V. N. Shchevelev, A. I. Kukhanovich. Izv. vys. ucheb. zav.; energ. 7 no. 7:48-53 Jl '64.

FLUIDS—VIBRATION

Natural vibrations of a fluid in a rigid circular cylindrical vessel with a flexible flat bottom. A. A. Pozhalostin. Izv. vys. ucheb. zav.; av. tekh. 6 no. 4:25-32 '63.

FLUOBROIC ACIDS

X-ray diffraction study of aqueous solutions of terafluoboric acid and some of its salts. A. I. Ryss, I. V. Radchenko. Ukr. fiz. zhur. 9 no. 4:416-420 Ap '64.

FLUOGERMANATES

Hydrolysis of potassium hexafluogermanate in aqueous solutions I. G. Ryss, *N. F. Kulish. Zhur. neorg. khim.* 9 no. 6:1382-1386 Je '64.

FLUORAN

Use of gallein for the photometric determination of bismuth. A I. Cherkesov and others. Trudy Astr. tekh inst. ryb prom. i khoz no. 8:74-81 '62

FLUORENE

Polarographic study of some derivatives of 4-acetylbiphenyl and 2-acetylfluorene. V. D. Bezuglyi, L. A. Mel'nik. Zhur. ob khim. 34 no 7 2103-2107 Jl '64.

Transformations of 3-hydrazinopyridazine[4,5,6-m,1]-fluorene. N. S. Dokunikhin, S. A. Mikhalenko. Zhur. ob. khim. 34 no. 7:2473-2474 Jl '64.

FLUORENONE

Insecticidal activity of substituted amides of 9-fluorenone-4-carboxylic acid and its derivatives. L P. Kulev and others. Izv. Sib. otd AN SSSR no 12 137-140 '62.

FLUORESCENCE

Fluorescence of esophageal and stomach tissues under the action of ultraviolet light. A. V. Karlakin, IU. E. Berezov, I. N. Anisimova Biofizika 8 no 1:129-130 '63.

Fluorescence yields for L-shells of Np and Pu. G. G. Akalaev, *N. A. Vartanov, P. S. Samoilov. Izv. AN SSSR.* Ser. fiz. 28 no. 7:1259-1263 Jl '64.

Studying the average duration of the fluorescence of protochlorophyll during the greening of etiolated leaves A. B. Rubin and others. Biofizika 7 no. 5:571-577 '62.

3-oxy-2-naphthoic acid as a colorimetric and fluorescent reagent. A. I. Cherkesov, T. S. Zhigalkina Trudy Astr tekh. inst. ryb. prom. i khoz. no. 8:25-49 '62.

FLUORESCENCE MICROSCOPY

Differential cytological diagnosis of precancer and cancer of the cervix uteri with luminescent and phase contrast microscopy. E. A. Svindler. Vop. onk. 10 no 3:86-93 '64.

Evaluation of the vitamin A content of the body by luminescent microscopy of liver sections. V. N. Aleksandrov. Vop. pit. 22 no. 3:79-81 My-Je '63

FLUORIDES

Kinetics of alumina dissolution in molten fluorides. P. M. Shurygin, V. N. Boronenkov, V. I. Kriuk. Sbor. nauch. trud. Ural. politekh. inst. no. 126:80-85 '63.

FLUORINE

Content of fluorine in food products from Irkutsk Province. T. N. Ruzhnikova. Vop. pit. 22 no. 3:86-87 My-Je '63.

FLUORINE—PHYSIOLOGICAL EFFECT

Effect of fluorine on the respiratory and cardiovascular systems. K. A. Kiandarian, S. L. Eolian. Vop. rent. i onk. 7:46-51 '63.

FLUORINE ORGANIC COMPOUNDS

Aromatic fluorine derivatives. Report No. 11: Production and reactions of 2,6-dinitrofluorobenzene. N. N. Vorozhtsov, Jr., V. A. Sokolenko, G. G. IAkobson. Izv. Sib. otd. *AN SSSR* no. 10:87-90 '62.

Elemental analysis of organofluorine compounds. Simultaneous microdetermination of fluorine, chlorine, and nitrogen. N. E. Gel'man, N. I. Larina. Zhur. anal. khim. 19 no. 5:593-597 '64.

Fluoroaliphatic diazo compounds. Report No. 1: Some new reactions of trifluorodiazoethane. B. L. Diatkin, E. P. Mochalina. Izv. AN SSSR. Ser. khim. no. 7:1225-1226 Jl '64.

FLUOROMETRY

Ultraviolet microfluorimetry of the cell. L. S. Agroskin. TSitologiia 5 no. 4:474-476 Jl-Ag '63.

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUOSPAR see subdivision under Kurama Range

FLUOTANTALATES

Extraction of fluotantalate with basic dyes. Report No. 2: Comparative study of certain basic triphenylmethane dyes as reagents for the extraction-photometric determination of tantalum. S. V. Makarova, I. P. Alimarin. Zhur. anal. khim. 19 no. 5:564-568 '64.

FLUX (METALLURGY)

Surface properties of welding fluxes. IU. P. Nikitin, A. N. Safonnikov. Sbor. nauch. trud. Ural. politekh. inst. no. 126:68-72 '63.

FLY ASH

Decrease in the hydraulic resistance of cyclones and battery-type cyclones. E F Kirpichev. Teploenergetika 11 no. 7:11-15 Jl '64

Results of testing vertical DVP electric filters in cleaning blast furnace gases with a relatively low concentration of fly ash *I L Tarnavskii, S A Meliksetian* Teploenergetika 11 no 7 6-11 Jl '64

FLY ASH—ANALYSIS

Using fly ash from hydroelectric power stations in the production of building materials and prospects for using ash in the Kuznetsk Basin K. S. Ignat'ev Trudy KuzNIIshakhtostroia no 1:101-110 '63

FLYSCH see subdivision under Georgia

FLYWHEELS

Investigating the effectiveness of the use of flywheels under a turbodrill. A. N. Adamov. Trudy VNIIBT no. 7:25-38 '63.

FOAMING

Antifoaming reagents for aqueous and cross-linked muds and a method for testing them N N Beller IU D Churkin, N V Piatnitskaia Trudy VNII NP no 17 23-31 '62

Investigating the foaming of clay muds with a sulfite-alcohol residue. V. D. Malevanskii, E. P. Okhrimenko. Trudy VNIIGAZ no. 19/27:144-150 '64.

FOLDS (GEOLOGY)

(see also subdivision under Donets Basin, Kola Peninsula; Siberian Platform; White Sea region)

Chebanenko, I I. [Problems of the fold belts of the earth's crust in the light of block tectonics] Problema skladchatykh poiasov zemnoi kory v svete blokovoi tektoniki. Kiev, Izd-vo "*Naukova dumka,*" *1964. 142* p. (Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy, no. 16)

Endogenetic deposits of activated fold areas A D Shcheglov. Trudy VSEGEI 103:11-23 '64

FOLIC ACID

Treatment of psoriasis with vitamin B_{12} combined with folic acid. M. I. Karlin, G. IA. Klebanov Vest. derm. i ven. 38 no. 1:61-62 Ja '64.

FOLK DANCING

Lakov, N. A., and V. V. Sokolovskaia. [Costumes for the national dances of the peoples of the U. S. S. R.] Kostiumy k tantsam narodov SSSR. Moskva, Iskusstvo, 1964. 126 p.

FOLKLORE

Poltoratzky, Marianna A. Russkii fol'klor; khrestomatiia, stat'i i kommentarii. Russian folklore. New *York [Rausen Bros. Publishers] 1964. 303* p.

FOMES—CULTURES AND CULTURE MEDIA

Effect of trace elements on the growth of the fungus Fomitopsis annosa (Fr.) Bond. et Sing. in culture. *A. Vasiliauskas. Bot. zhur. 49* no. *7:1045-1047 Jl* '64.

FOMIN, SEMEN, 1903-1936

S. Fomin's concern for the language and style of literary works. N. P. Petrov. Uch. zap. CHNIIIALIE no. 22: 229-251 '63.

FOOD see subdivision under Russia, Northern

FOOD—ANALYSIS

(see also subdivision under Irkutsk Province)

Determination of residual quantities of thiophos and mercaptophos in plant food products. G. IA. Isaeva, K. K. Enoshevskaia. Vop. pit. 22 no. 3:88-89 My-Je '63.

Modification of the anthrone method for determining sugar in the blood, excretions and some foodstuffs IE. H. Morhun. Fiziol. zhur. [Ukr.] 9 no. 6:830-832 N-D '63.

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

[Equipment of the food industry] Ref. zhur.: Obor. pishch. [illegible] no 8 Ag '64

FOOD INDUSTRY—HYGIENIC ASPECTS

[illegible] workers in the food industry. [illegible] prom. [illegible] 7;42-43 Jl [illegible]

FOOD INDUSTRY—MATHEMATICAL MODELS

[illegible] planning work. V. V. [illegible] 7;24-2[illegible] Jl '64

FOOD INDUSTRY—*TECHNOLOGICAL INNOVATIONS*

[illegible] L. Auerman. NTO 5 no.12:11-12 D '63.

[illegible] and business approach. K. *Dmitriev.* NTO 5 no.12:48 D '63.

FOOD MACHINERY

[illegible] *purification of sugar syrup* [illegible] Sbor. ref. nauch. rab VNIIP [illegible]

[illegible] screw [illegible] S Poliakov, [illegible] 7-3[illegible] Jl '64

Moscow TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu [*New advanced technology* and technological equipment in the machinery industry] *Novaia progressivnaia tekhnologiia i tekhnologicheskoe oborudovanie v mashinostroenii* Moskva, 1963. 55 p.
[MICROFILM]

FOOD POISONING

(see also subdivision under Tajikistan)

[illegible] forms of heliotropic toxicosis (heliotropic *dystrophy* of the liver) in children. N.V.Preobrazhenskaia. *Trudy* Tadzh. med. inst. 50:174-186 '61.

Role of Clostridium perfringens *in the etiology of food* poisoning. Z.A.Ignatovich, V.S.Vilivker. Vop. pit. 23 no.1:74-77 Ja-F '64.

FOOT

Determining variations of the parantal arch according to the method of Feiss. V A Toropov. Teor. i prak fiz kult. 27 no 5:29-31 My '64.

FOOT—*DISEASES*

Triple artificial inoculation of Kaufmann-Wolf Epidermophyton. G.K.Andriasian Vest derm. i ven. 38 no.1:3-9 *Ja* '64.

FORAGE PLANTS see subdivision under Omsk Province

FORCED LABOR

Years and wars (continuation) A.V *Gorbatov.* Nov. mir 40 no.4:[illegible]-138 Ap '64

FOREST ECOLOGY

(see also subdivision under Irkutsk Province; Tien Shan)

[illegible] of the herbaceous soil cover and its effect on the growth of pine plantations N M Nabatov. Bot zhur. 49 no.5:609-625 My '64

[illegible] of forest phenology, geographical symposium," [illegible] 1963 Reviewed by I N, *Elagin Bot zhur* 49 no.5:745-[illegible] My '64

Valuable work on the structure and *development of* mixed stands. B.P.Kolesnikov. Izv.vys.ucheb.zav., les. zhur 6 no 3:171-172 '63.

FOREST FIRES—PREVENTION AND CONTROL

Air patrol I *Osipov Nov mir 40 no* 4 157-170 Ap '64.

FOREST INFLUENCES

Effect of oak plantations on the humus content *of* dark Chestnut and *Ciscaucasian* Chernozem soils. V.A Mel'chanov. Pochvovedenie *no.7:54-59 Jl* '64.

FOREST INSECTS see subdivision under Gissar Range, Gissar Valley

FOREST NURSERIES see subdivision under *Czechoslovakia*

FOREST PRODUCTS—*MARKETING*

Forests are a rich source of welfare. A Tumantsev. Zakup sel'khoz prod no 1 46-47 *Ja* '64

FOREST SOILS

(see also subdivision under Azerbaijan, White Russia)

Podzolization and *lessivage.* A.A.Rode Pochvovedenie no 7:9-23 Jl '64.

FORESTRY LAW AND LEGISLATION

Muntian, V. L. [Legal protection *of forests* in the Ukrainian S.S.R.] Pravova okhorona lisiv *Ukrains'koi* RSR. Kyiv, Vyd-vo Akad. nauk URSR, 1964. 82 p.

FORESTRY RESEARCH see subdivision under *Moscow* region

FORESTS AND FORESTRY

(see also subdivision under Siberia)

[*Forestry and forest* management] Ref. zhur.: Lesoved. i lesovod *nos. 8-9 Ag-S '64.*

FORESTS AND FORESTRY—*EQUIPMENT AND SUPPLIES*

Zima, I. M., and T. T. Maliugin. [Work mechanization in forestry] Mekhanizatsiia lesokhoziaistvennykh rabot. Izd. 2., dop. i perer. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 547 p.

FORESTS AND FORESTRY—LABOR PRODUCTIVITY

Trishin, V. S. [Workers' labor productivity in the forest economy] Proizvoditel'nost' truda rabochikh v lesnom khoziaistve Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 132 p.

FORESTS AND FORESTRY—VALUATION

(see also subdivision under Bashkiria)

Analysis of Professor N.P.Anuchin's proposal for determining the increment of a stand. IU.M.Rudenko. Izv.vys.ucheb.zav., les.zhur. 6 no.3:26-29 '63.

Characteristics of the valuation of artificial young pine stands. N.T.Smirnov. Izv.vys ucheb.zav., les.zhur. 6 no.3:50-53 '63.

Indices of an average tree of a stand. M.L.Dvoretskii. Izv.vys.ucheb.zav.; les.zhur 6 no 3:3-9 '63.

Methods for determining the mean coefficients of tree trunk forms for an entire aggregate of plantations. N.M Glazov. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:43-45 '63.

Types of age-related structure of stands. G.E.Komin. Izv.vys.ucheb.zav., les.zhur. *6* no.3:37-42 '63.

FORGERY OF WORKS OF ART

Feofanov, O. A. [Secrets of the golden frame] Tainy zolotoi ramy. Moskva, Politizdat, 1964. 62 p.

FORGING

Average specific pressure during the transverse upsetting of cylindrical blanks. Dzh M Lomsadze, L.N Oklei Trudy GPI [Gruz] no 4 109-112 '62

Conformal transformation in the theory of a smoothly changing plastic flow. Report no.1. G.IA.Gun, P.I. *Polukhin.* Izv.vys.ucheb.zav.; chern.met. 7 no.7:90-95 '64.

Deep flow of the metal *during its plastic shaping.* P S. Dobordzhginidze. Trudy *GPI (Gruz.) no 4 87-91* '62

Development of processes of closed-die *forging.* I. A. Noritsyn, V. A Golovin, A. S. Bazyk. Vest. mashinostr. *43* no.12:38-42 D '63

Irregularity of deformation during axially symmetric upsetting P S Dobordzhginidze. Trudy GPI (Gruz.) *no 4:81-*[illegible] '62

Making pins on double-acting automatic cold-upsetting machines IU Kh TSiporkin, A M. IAushev Mashinostroitel' no. 6:34 Je '64

Smirnov-Aliaev, G. A. [Fundamentals of the calculation of forces in the technology of forging and stamping] *Osnovy* rascheta usilii v tekhnologii kovki i shtampovki. Izd. 2., perer. i *dop.* Pod red. P *V. Kamneva. Moskva,* Izd-vo "Mashinostroenie," 1964. 91 p. (Bibliotechka *kuznetsa-novatora,* no. 2)

Stamping cutting tools without fins. N. E. *Vakhurin.* *Stan. i instr.* 35 no. 6:33-34 Je '64

FORGING—PRODUCTION STANDARDS

Moscow. TSentral'noe biuro promyshlennykh *normativov* po trudu. [Time *norms* established in the general *machinery Industry* for forging; mass, large-scale, and *batch* production] Obshchemashinostroitel'nye normativy *vremeni na goriachuiu* shtampovku; massovoe krupnoseriinoe i seriinoe proizvodstvo. Izd. 2., dop. *i perer. Moskva, Mashinostroenie,* 1964. 114 p.

*FORGING MACHINERY—*STANDARDS

Russia (1923- *U. S. S. R.*) Komitet standartov, mer i izmeritel'nykh priborov. [Tools for automatic *nut upsetters*] Instrument dlia gaikovysadochnykh avtomatov *(MN 5112-63—MN 5123-63).* Moskva, Izd-vo standartov, 1964. 127 p. *(SSSR. Normali* mashinostroeniia)

FORMALDEHYDE

Ferromolybdenum catalysis for the *oxidation of methanol* in formaldehyde B. I. Krublov, *Z V. Sopova, II. I.* Kushnarenko Khim. prom. [Ukr.] no. 3:3-8 Jl-S '63

Oxidation of methane in *formaldehyde initiated by* nitromethane. R. I. Moshkina, A. B. Nalbandian. Neftekhimiia 4 no. 2:286-289 *Mr-Ap '64*

Oxidation of methane into *formaldehyde* initiated by nitrosyl chloride *and nitrile* chloride. O. A. Ivanov, A. B. Nalbandian. Neftekhimiia 4 no. 2:280-285 Mr-Ap '64.

Using tail gases in obtaining *formaldehyde from natural gas.* S. F. *Gudkov.* Gaz. prom. 8 no. 9:44-46 S '63.

FORMAZANS

Spectrophotometric study of a *compound* of germanium with N,N'-di-(2-hydroxy-5-sulfophenyl)-*cyanophormazan.* V.F.Vozisova, V.N.Podchainova. Zhur anal. khim. 19 no.5:640-642 '64.

FORMIC ACID

Determination *of the heats* of dissolution of KCl and RbCl in formic acid [*with summary* in English]. G. P. Kotliarova, E. F. Ivanova. *Zhur. fiz. khim.* 38 no. 2:423-426 F '64.

Effect *of* admixtures to aluminum and iron oxides on the catalytic decomposition *of* formic acid. V. A. Komarov, E. A. Chernikova, G. V. Komarov. Zhur. fiz. khim. 36 no. *3:640-645 Mr* '62.

FORSTERITE—TESTING

Results of using forsterite checkers in open-hearth furnaces operating with oxygen. M. M. Khil'ko, G. I. Antonov. Met. i gornorud. prom. no. 6:31-3[illegible] N-D '62

FOUNDATIONS

(see also subdivision under Donets Basin)

Raising the supporting power and stability of foundation beds in buildings by means of soil stabilization. N. N Belov. Sbor. nauch. rab AKKH no. 16:42-52 '62.

FOUNDING

Fluidity of binary titanium alloys with tin, aluminum, and molybdenum. V.P.Elfutin, M.A.Maurakh, V.S. Pugin. Izv.vys.ucheb.zav.; chern.met. 7 no.7:150-*161* '64.

Measures for the correction of corner segregation and nonmetallic inclusions in wheel steel. I. Z. *Feldenzon and others* *Stal'* 23 *no. 4:354-355 Ap* '64.

Romanov, A. A. [Trimming and cleaning of castings] Obrubka i ochistka otlivok. Izd. 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 55 p. (*Nauchno-populiarnaia biblioteka* rabochego-liteishchika)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Structural elements of cast parts] Elementy konstruktsii liitykh detalei (RTM 12-60). Moskva, Izd-vo standartov, 1964. 62 p.

FOUNDING—HYGIENIC ASPECTS see subdivision under Krasnodar

FOUNDING—TABLES, CALCULATIONS, ETC.

Veinik, A. I. [Founding calculations] Raschet otlivki. Moskva, Izd-vo "Mashinostroenie," 1964. 402 p.

FOUNDRIES

Using natural gas in foundry work. L. V. Semenov. Gaz. prom. 8 no. 7:30-33 '63.

FOUNDRIES—*EQUIPMENT AND SUPPLIES*

[illegible] Moskva, Izd-vo standartov, 1964. 23 p. *(SSSR. Normali mashinostroeniia)*

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut liteinogo mashinostroeniia i liteinoi tekhnologii. [Screwed on cast-iron casting boxes; their design and specifications] Opoki liteinye *svarnye chugunnye;* konstruktsiia i ispolnitel'nye razmery (MN 433-59—MN 468-59). Moskva, Izd-vo standartov, 1964. 141 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Crane ladles for molten metal, types, parameters and basic dimensions] Kovshi dlia zhidkogo metalla kranovye; tipy, parametry i osnovnye razmery (MN 5192-63—MN 5193-63). Moskva, *Izd-vo* standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hand ladles for molten metal] Kovshi dlia zhidkogo metalla ruchnye (MN 5100-*63—MN* 5105-63). Moskva, Izd-vo standartov, 1964. 36 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. *[Metal molds (chill molds),* devices with hydraulic and pneumatic *drives for removing* cores] Formy metallicheskie *(kokili); prisposobleniia* dlia udaleniia sterzhnei gidravlicheskimi i pnevma*ticheskimi privodami* (MN 4796-63 i MN 4797-63). Moskva, *Izd-vo* standartov, 1964. 16 p. (SSSR. Normali mashinostroeniia)

Russia (1923- *U. S. S. R.)* *Komitet* standartov, mer i izmeritel'nykh priborov. [Monorail ladles for molten metal; types, parameters and basic dimensions] *Kovshi* dlia zhidkogo metalla monorel'sovye; tipy, parametry i osnovnye razmery (MN 5106-63—*MN 5110-63*). Moskva, Izd-vo standartov, 1964. 11 *p.* (SSSR. *Normali* mashinostroeniia)

Using natural gas to dry foundry molds. V. I. Donets. Gaz. prom. 8 *no.* 9:19-21 S '63.

FOUNDRIES—LABOR PRODUCTIVITY

Voluntary economists. G. G. Gladkov, B. S. Kuvshinnikov Mashinostroitel' *no.* 7:44 *Jl* '64.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES

Du-Bois-Reymond's theorem for generalized integrals *and trigonometric* series summable by Abel-Poisson's method. V. A. *Skvortsov.* Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no.4:16-20 Jl-Ag '64.

Expansions in *generalized trigonometric* systems. A. A. Kitbalian. Izv. AN *Arm. SSR. Ser. fiz.-mat.* nauk 16 no. 6:3-24 '63.

Summability of the double Fourier-Lebesgue series. M. A. Dukhovyi. Sbor. nauch. trud. KGRI no. 10:392-399 Jl '61.

FOURIER TRANSFORMATIONS

Fourier transform for abstract functions of sets. V.B. Korotkov, IU.I.Gil'derman. Sib mat.zhur. 5 no.4: 844-852 Jl-Ag '64.

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTURE OF SOLIDS

Some general representations of the mathematical theory of brittle fracture. G.I.Barenblatt. Prikl.mat.i mekh 28 no.4:630-643 Jl-Ag '64.

FRANCE—CARGO HANDLING—PRICES

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Regulations, customs, and practices in the sea harbors of France] Pravila, obychai i praktika morskikh portov Frantsii. Leningrad, Izd-vo "Morskoi transport."
Pt.2. 1963. 104 p. (Its Informatsionnyi sbornik, no.01. Usloviia kommercheskoi ekspluatatsii morskogo flota v zagranichnom plavanii, no.8)

FRANCE—COKE

Coking of coal in France. L.I.Ulitskii. Koks i khim. no.6:59-62 '64.

FRANCE—COLONIES—ECONOMIC CONDITIONS

Foreign departments of France in the effort for autonomy. E.Ablina. Mir.ekon.i mezhdunar.otn. no.6:103-106 '64.

FRANCE—COMMUNIST PARTY

Fidelity to the principles of Marxism-Leninism. George Marche. Part.zhizn' no.12:59-66 Je '64.

Glorious banner of the Commune. R.IU.Kaganova. Vop.ist.KPSS 8 no.8:89-91 Ag '64.

FRANCE—FOREIGN ECONOMIC RELATIONS—AFRICA

"By request of the government." L Entin Az.i Afr.seg. 8 no.7:22-24 Jl '64.

Colonialism in a new guise. A.Troshina. Mir.ekon.i mezhdunar.otn. no.8:107-112 '64.

FRANCE—FOREIGN RELATIONS—GERMANY, WEST

Bonn arithmetic, letter from the German Federal Republic. A Grigor'iants. Nov.vrem. 21 no 20 24-25 Jl '64.

FRANCE—GAS, NATURAL—PIPELINES

Transportation and use of natural gas in France. Gaz. prom. 7 no.3:53-55 '62.

FRANCE—GAS BURNERS

Foreign technology. Gaz.prom. 8 no.2:51-53 '63.

FRANCE—GERMAN OCCUPATION, 1940-1945

"Secrets of the propaganda in occupied France" (in French) by R.G.Nobecourt. Reviewed by I S.Kissel'gof Vop. ist. 39 no.7 183-185 Jl '64.

FRANCE—HARBORS—REGULATIONS

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Regulations, customs, and practices in the sea harbors of France] Pravila, obychai i praktika morskikh portov Frantsii. Leningrad, Izd-vo "Morskoi transport."
Pt.2. 1963. 104 p. (Its Informatsionnyi sbornik, no.01. Usloviia kommercheskoi ekspluatatsii morskogo flota v zagranichnom plavanii, no.8)

FRANCE—HISTORY

The liberation of France; history and the present. A. Manfred. Mezhdunar.zhizn' 11 no.9:102-111 S '64.

Professional trip to France. Vop.ist. 39 no.7:166-169 Jl '64

FRANCE—HISTORY—PERIODICALS

"Annales historiques de la Revolution Francaise." Vop. ist 39 no.7:187-191 Jl '64.

FRANCE—HISTORY—REVOLUTION

"Annales historiques de la Revolution Francaise." Vop. ist. 39 no.7:187-191 Jl '64.

FRANCE—POLITICS AND GOVERNMENT

Against the regime of personal rule. S.S.Salychev. Vop. ist.KPSS 8 no.8:132-134 Ag '64.

FRANCE—RAILROADS—TRACK

Rapid method of laying railroad track on French roads. A.N.Sessarovskii. Transp.stroi. 13 no.10:70-73 O '63.

FRANCE—STRIKES AND LOCKOUTS

Unity of actions is a guarantee of success. Rene Duhamel. Vsem.prof.dvizh. no.6:19-22 Je '64.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Book about the partisan struggle in France. N.Grigor'ev. Voen.-ist.zhur. 5 no.4:93-98 Ap '63.

FRANCE—YOUTH

Inquiries and questions. V.Langborg, S.Samoilov. Mol. komm. no.2:111-114 F '64.

FRENCH LANGUAGE—OLD FRENCH—INFINITIVE

Infinitive in "Song of Roland." A E.Shlionskii. Uch. zap.Tadzh.un.21.Trudy Kaf.inostr.iaz. no.1:59-69 '59

FRENCH POLYNESIA—ATOMIC BOMB—TESTING

Atomic voyage of a prime minister. L.Leont'ev. Mezhdunar.zhizn' 11 no.9 130-131 S '64

The tragedy of Tahiti Rupert Lockwood Nov vrem 22 no 31 27-28 Jl '64

FREONS

Freon resistance of electric insulating materials V.A Lapchuk, E.I Poiurovskaia, S.V Shishkin Elektrotekhnika 35 no.6:31-35 Je '64.

FREQUENCIES OF OSCILLATING SYSTEMS

Bardyla, T.I. [Frequency transformation] Peretvorennia chastoty. Kyiv, Derzhtekhvydav URSR, 1963. 87 p.

FREQUENCY CHANGERS

Conversion of one-dimensional envelope distribution functions and phase of a narrow-band random process in frequency dividers. B.G Teriaev. Elektrosviaz' 18 no.5:64-68 My '64.

FREQUENCY MULTIPLIERS

Design of a static electromagnetic frequency doubler with optimum parameters for operation with a complex load taking into account upper flow and current harmonics. V.A.Ratushkin Izv vys ucheb zav., energ 7 no.6 23-31 Je '64.

FRESHWATER FAUNA
(see also subdivision under Zhemchuzhnoye, Lake, Karelia)

Polychloropinene concentrations lethal to some freshwater invertebrates serving as food for fish. I.I.Mantel'man. Izv.GosNIORKH 55:18-25 '63.

FRESHWATER FISHES see Fishes, Freshwater

FRESHWATER FLORA

Water and air economy of some water plants. N I.Antipov Bot.zhur. 49 no 5 702-707 My '64

FREUD, SIGMUND, 1856-1939

Freudism as the manifestation of the general crisis of bourgeois ideology. K.I.Sobol'. Nauch.dokl.vys. shkoly; filos.nauki 7 no.1:64-70 '64.

FRICTION

Deformation of the contact surface between a rigid sphere and an elastic half-space due to sliding friction. P.IA. Sukennik. Dokl.AN SSSR 157 no.4:849-851 Ag '64

Determination of losses through rolling friction at high velocities and under heavy loads. V D.Rabko. Izv. SO AN SSSR no.2.Ser.tekh.nauk no 1:112-116 '64

Determining losses for mechanical hysteresis in a discrete contact. I R.Koniakhin, B.P.Mitrofanov. Fiz. met.i metalloved. 17 no.6:941-943 Je '64.

Effect of contact friction on the energy criteria of cyclic strength and the physical fatigue limit. I.A. Oding, V.N.Stepanov. Dokl.AN SSSR 156 no.6:1333-1335 Je '64.

Friction coefficient and plastic deformation. L.M. Sedokov. Izv.vys.ucheb.zav.; fiz. no 4:124-127 '64

Investigating maximum friction coefficients in friction rolling of cylinders. IU.N Drozdov. Vest.mashinostr. 43 no.12:21-24 D '63.

FRICTION MATERIALS

Advanced methods of the production of antifriction materials and sliding bearings. A.P.Semenov. Vest mashinostr. 43 no.12:81-86 D '63.

FRICTIONAL RESISTANCE (HYDRODYNAMICS)

Determination of hydraulic resistances in pipelines and their relation to the velocity structure of suspension-carrying streams. M.O Silin. Dop.AN URSR no.8: 1032-1034 '64.

FRIEDEL-CRAFTS REACTION

Isoxazole series. Part 18: Behavior of isoxazoles in the Friedel-Crafts reaction. S.D.Sokolov, L.P. Savochkina, N.K.Kochetkov. Zhur.ob.khim. 34 no.7: 2207-2209 Jl '64.

FRIT FLIES see subdivision under Lithuania

FROST, ROBERT, 1874-1963

"Come with me." A.Siniavskii. Nov.mir 40 no.1: 260-263 Ja '64.

FROST

Freezing in the upper reaches of mountain rivers and its role in the variations of water discharges. E M.Kozik. Meteor.i gidrol. no.7:20-21 Jl '64

FROST PROTECTION

Microclimatic conditions under light-weight covers from translucent films. O.D.Rozhanskaia. Biul.nauch.-tekh. inform.po agron.fiz. no.5/6:5-11 '59.

FROST RESISTANT CONCRETE

Frost resistance of polymer cement concrete. V.I. Solomatov. Stroi.mat. 9 no.6:28-30 Je '63.

FROSTBITE

Problem of general chilling (freezing) of humans, a review of the literature. V.N.Sheinis. Voen.-med.zhur. no.1:29-34 '63.

FROZEN GROUND

Calculation of the depth of thawing of permafrost soils in foundation beds under half-sunken buildings and communal structures O G Shchukin Sbor nauch rab AKKH no 16 108-152 '62

Moscow. Institut merzlotovedeniia. [Thermal physics of freezing and thawing soils] Teplofizika promerzaiushchikh i protaivaiushchikh gruntov. Moskva, Nauka, 1964. 195 p.

Relicts of polygon ground and polygonal manifestation in the central regions of the European part of the U.S.S.R. N.A.Treskin Biul Kom.chetv.per. no.29: 169-170 '64.

Role of liquid water in the winter distribution of moisture. A.M.Globus Biul.nauch.-tekh inform po agron.fiz no.5/6:32-35 '59.

FRUIT—CHEMICAL COMPOSITION
(see also subdivision under Kopetdag region)

Biochemistry of apple storage in the Alma-Ata fruit region. R M.Kunaeva Trudy Inst bot AN Kazakh SSR 16 216-235 '63.

FRUIT—MARKETING see subdivision under Rogachev region (Gomel' Province), Vulkaneshty region (Moldavia)

FRUIT—MORPHOLOGY

Schizocarpes. N.N.Kaden. Bot.zhur. 49 no.7:966-973 Jl '64.

FRUIT CULTURE see subdivision under Lipetsk Province; Moldavia; Siberia

FRUIT CULTURE—EQUIPMENT AND SUPPLIES

Kovalenko, D.D. [Mechanization in viticulture and fruit culture] Mekhanizatsiia v vinogradarstve i sadovodstve. Simferopol', Krymizdat, 1959. 180 p.
[DNAL MICROFILM]

FRUIT FLIES
(see also subdivision under Bulgaria)

Resistance to Swedish fly of corn samples differing in their cold tolerance. A F.Koval' Agrobiologiia no 1: 147-149 Ja-F '64.

FRUIT TRADE—ACCOUNTING

Accounting for payments to fruit and vegetable suppliers R Abdullaev, N Sazhin Bukhg uchet 20 no.12 56-58 D '63

FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

Did M.V.Frunze participate in the December uprising in Moscow. A P Voronin Vop ist 39 no.7 206 Jl '64

FRUNZE—CHILDREN—GROWTH

Indices of the physical development of children of preschool age in Frunze. R.A.Nedviga. Sov.zdrav.Kir. no.6:51-54 N-D '63.

FUEL

Effect of elemental sulfur on the chemical stability of distillate fuels. I.E.Drabkina, D.B.Orechkin, T.S. Popova. Nefteper.i neftekhim. no.2:14-17 '64.

Passage of moist fuels through a fuel supply system A.T.Sharkov Teploenergetika 10 no 12 57-59 D '63.

Preventing the formation of ice crystals in fuels. K.O. Aberbakh and others. Khim.i.tekh.topl.i masel 9 no.4:66-69 Ap '64.

Semimicromethod for studying the pyrolysis of solid mineral fuels. Report No.2. I.V.Grinberg, A.A. Salamin, N.P.Liatte. Zhur.anal.khim. 19 no.5: 622-628 '64.

Synthesis of polyfunctional inhibitors for the oxidation of fuels. F.N.Mazitova, O.S.Durova, V.V.Bukhriakova. Neftekhimiia 4 no.2:323-328 Mr-Ap '64.

FUEL—TRANSPORTATION

Dmitriev, V.L., ed. [Fields of the efficient application of the various means of transportation in the transport of fuel] Oblasti ratsional'nogo primeneniia razlichnykh vidov transporta pri perevozke toplivnykh gruzov. Moskva, Izd-vo "Transport," 1964. 110 p.

FUEL PUMPS see subdivision under Austria

FUNCTIONAL ANALYSIS

Functional expansions in the theory of statistical equilibrium. IU.V.Gurikov. Ukr.fiz.zhur. 9 no.4: 360-365 Ap '64.

Liapunov stability of the equilibrium of systems with an infinite number of degrees of freedom. A M Slobodkin Dokl.AN SSSR 157 no 1:63-65 Jl '64

Limiting distribution of a certain class of functionals from a sequence of sums of independent random variables. G.N.Sytaia. Dokl.AN SSSR 158 no.1:53-55 S-O '64.

Optimal functional equations of dynamic programming related to the new class of boundary value problems with "total derivatives." D.Mangeron. Soob.AN Gruz. SSR 33 no.3,521-528 Mr '64.

Young's theorem. N.A.Ivanov. Izv.vys.ucheb.zav.; mat. no.6:81-83 '63.

A system of functional equations for plane fluid flow. V.P.Pilatovskii. Trudy VNII no.40.138-156 '63.

FUNCTIONS

Certain integral properties of monogenic hypercomplex functions. I.A.Morev. Izv.vys.ucheb.zav., mat. no.6 116-122 '63.

A class of finite hemomorphisms. V.V.Glazkov. Dokl. AN SSSR 158 no.1:33-36 S-O '64.

Coefficients of multivalent functions V H Lozovyk. Dop.AN URSR no.8:1019-1021 '64

Existence of invariant measures on Boolean algebras. D.A.Vladimirov Dokl.AN SSSR 157 no 4 764-766 Ag '64.

Fourier transform for abstract functions of sets. V.B Korotkov, IU.I Gil'derman. Sib.mat.zhur. 5 no.4 844-852 Jl-Ag '64.

Imbedding theorems for Banach spaces of measurable functions. E.M.Semenov Dokl.AN SSSR 156 no 6: 1292-1295 Je '64

Multidimensional analogs of Cauchy's theorem. G V. Babikov Mat.zap Ural.mat.ob-va UrGU 4 no 2:15-17 '63.

Multidimensional generalizations of Euler's summation formula. V.K.Ivanov. Izv.vys.ucheb.zav.; mat. no.6:72-80 '63.

Multidimensional singular operators in spaces of fundamental and generalized functions N.IA Krupnik Dokl AN SSSR 157 no 1 41-44 Jl '64

Nearly convergent functions. M.V.Elin. Izv.vys.ucheb. zav.; mat. no.6,49-57 '63.

Phragmén - Lindelof's theorem for functions of generalized nonpositive curvature. IU.K.Gerasimov. Dokl.AN Arm.SSR 39 no.1;3-6 '64.

Riemann function for the equation $z_{xy}=a(x,y)z_x+b(x,y)z_y+c(x,y)z+f(x,y)$ L S. Zagainov Sbor.nauch.trud KGRI no.10;407-412 '61.

Sets of values of certain vector functions depending on the systems of the sets. N.I.Glebov. Sib.mat.zhur. 5 no.4 778-782 Jl-Ag '64.

Type of Riemann surfaces determined by a group of linear substitutions. Le Van Tiem. Sib.mat.zhur. 5 no.4 853-857 Jl-Ag '64.

FUNCTIONS, ANALYTIC

Numerical method for analytic continuation L E Kazakova Mat zap.Ural.mat.ob-va UrGU 4 no 2;46-50 '63.

Proof of the existence of analytic functions of several variables not representable by linear superpositions of continuously differentiable functions of fewer variables. A.G.Vitushkin. Dokl.AN SSSR 156 no 6;1258-1261 Je '64.

Reconstruction of an analytic function from the values of its derivatives, generalized in the sense of A.O. Gel'fond, at a certain point. N.N.Suprun. Dokl.AN SSSR 157 no.4,806-809 Ag '64.

Representation of p-analytic functions by analytic functions and their derivatives H.M.Polozhii. Dop.AN URSR no.8:986-991 '64.

FUNCTIONS, ANALYTIC—BOUNDARY VALUE PROBLEMS

Carleman type boundary value problem for a multiply connected region. E.I.Zverovich. Dokl.AN SSSR 156 no.6 1270-1272 Je '64.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

Behavior of spectral functions of differential systems with boundary conditions at a singular end point I S Kats. Dokl.AN SSSR 157 no 1 34-37 Jl '64.

Norms of linear polynomial operators in connection with problems of the approximation of continuous functions. Part 1. N A.Sapogov. Vest.LGU 19 no.13;53-88 '64.

FUNCTIONS, ENTIRE

Integral functions bounded on the real axis. A.A Gol'dberg, B.IA.Levin. Dokl.AN SSSR 157 no.1 19-21 Jl '64

Uniform and asymptotic approximation by integral functions on unbounded closed sets N.U.Arakelian Dokl AN SSSR 157 no.1:9-11 Jl '64.

FUNCTIONS, PERIODIC

Approximation of almost periodic functions. E.A. Bredikhina. Sib.mat.zhur. 5 no.4 768-773 Jl-Ag '64.

Conditions for the existence of a periodic solution to an iterative equation in Banach space. V.S Kim. Mat. zap.Ural.mat.ob-va UrGU 4 no.2;80-88 '63.

Processes of approximation of periodic functions by trigonometric polynomials. M.M.Pavlovs'kyi. Dop. AN URSR no.8:1005-1008 '64

Use of trigonometric polynomials in the approximation of even functions satisfying Lipshits's condition. P.I. Ruban, K.V.Krasil'nikov Izv.vys.ucheb zav.; mat no.2:136-138 '64

FUNCTIONS, WEIGHT see Weight functions

FUNCTIONS OF COMPLEX VARIABLES

Smirnov, V.I., and N.A.Lebedev. [Constructive theory of functions of complex variables] Konstruktivnaia teoriia funktsii kompleksnogo peremennogo. Moskva, Izd-vo "Nauka," 1964. 438 p.

FUNCTIONS OF REAL VARIABLE

Limiting accuracy of the asymptotic expansions of a certain class of functions. Part 1. L.S.Laricheva. Izv.vys.ucheb zav., mat. no.6:109-115 '63.

Singular integro-functional equations I.M Mel'nik Izv vys ucheb.zav , mat no 2:100-108 '64

FUNCTIONS OF SEVERAL VARIABLES

Boundary properties of the S_p integral M N.Shafeev, Izv vys ucheb zav , mat no 2:165-175 '64.

FUNCTIONS OF SEVERAL VARIABLES—PROBLEMS, EXERCISES, ETC.

Egorova, I.A. [Problems and exercises in mathematical analysis] Zadachnik-praktikum po matematicheskomu analizu. Moskva, Uchpedgiz.

Pt.3. [Functions of several variables] Funktsii neskol'kiky peremennykh. Izd. 2. Pod red. B.Z. Vulikha. 1962. 102 p.

FUNGI

(see also subdivision under Georgia)

Effect of D_2O on spore germination and mycelium growth in Rhizopus nigricans T.A.Preobrazhenskaia, S E. Shnol'. Biofizika 7 no.5;592-598 '62.

FUNGI, PATHOGENIC

Fungi found on ticks N.P Cherepanova Bot zhur 49 no.5 696-699 My '64

FUNGI, PHYTOPATHOGENIC

(see also subdivision under Armenia)

Fungus diseases of plants of the ginseng family in the Maritime Territory. I.A.Bankina. Mat.k izuch.zhen' i drug.lek.rast.Dal'.Vost. no.5;211-218 '63.

Karpova-Benua, E.I. [Adaptation of fungi to the parasitic existence on plant organisms; manual for students specializing in agronomy, fruit and vegetable growing, economics and farm organization] Prisposoblenie gribov k paraziticheskomu sushchestvovaniiu na rastitel'nykh organizmakh; posobie dlia studentov-zaochnikov po spetsial'nosti "Agronomiia," 'Plodoovoshchevodstvo,' 'Ekonomika i organizatsiia sel'skogo khoziaistva.'" Balashikha, Vses.sel'khoz in-t zaochnogo obrazovaniia, 1963. 16 p.

[DNAL MICROFILM]

FUNGOUS DISEASES see Mycosis

FUR—STANDARDS

New developments in goverament purchases. K.Khludeev, G.Vladimirov Zakup.sel'khoz.prod no 1 61-62 Ja '64

FUR FARMING see subdivision under Kretinga, Lithuania

FUR WORKERS see subdivision under Slobodskoy (Kirov Province)

FURALDEHYDE

Chronometric determination of furfurole in its aqueous solutions. V.I.Tikhonova. Zhur.anal.khim. 19 no.5;620-634 '64.

FURAN

Obtaining 5-hydroxymethyl-2-furancarboxylic acid and its butyl ester. N.N.Shmagina, P.A.Moshkin. Plast. massy no.2;51-52 '64.

Synthesis of furan aldehydes containing a three-membered ring. V.G.Glukhovtsev, S.V.Zakharova, G.K.Vasilevskaia. Izv.AN SSSR.Ser.khim. no.7;1330-1333 Jl '64.

FURAN—SPECTRA

Correlations in the spectra of furan, thiophene, and selenophene derivatives [with summary in English]. E.G.Treshchova, D.Ekkhardt, IU.K.IUr'ev. Zhur. fiz.khim. 38 no.2;295-303 F '64.

Infrared spectra of furan analogs of chalcone and their vinyl analogs. S.V.TSukerman and others. Zhur.ob. khim. 34 no.7;2309-2317 Jl '64.

FURFURYLIDENIMINE

Synthesis of 2-mercapto-5-alkyl-3-furfurylidenimines. IA.L.Gol'dfarb, IA.L.Daniushevskii. Izv.AN SSSR.Ser. khim. no.7;1345-1347 Jl '64.

FURNACES

Brief news. M.M.Efros. Gaz.prom. 9 no.4:55-56 '64.

Control of pulverized coal supply to individual burners. V.I.Maslov, IA F.Rabinovich Teploenergetika 10 no.12;88-89 D '63.

Converting electric pusher-type furnaces to natural gas. A.IA.Nemirovskii. Gaz.prom 8 no.2;18-21 '63.

Determining the coefficient of gas utilization in processing furnaces in the separation of carbon dioxide. M B. Ravich. Gaz.delo no.3.33-36 '63.

Prasolov, R.S. [Mass and heat transfer in furnace systems] Masso- i teploperenos v topochnykh ustroistvakh. Moskva, Izd-vo "Energiia," 1964. 236 p.

Role of radiance and criteria for evaluating the radiant efficiency of a flame in furnaces A.D Kliuchnikov Gaz prom. 7 no 9 25-28 '62

Study of coal carry-off from furnaces and problem of the intensification of the combustion of pulverized coal IA L.Pekker, B S Belosel'skii. Elek.sta 35 no 5. 71-75 '64

FURNACES, HEAT TREATING

Combustion of an air-gas mixture in a "fluidized bed." G.K.Rubtsov, N.I.Syromiatnikov. Gaz.prom. 8 no.9: 14-17 S '63.

Combustion of natural gas in rotary heat-treating furnaces. S.G.Kashler. Gaz.prom. 7 no 3;35-36 '62.

FURNACES, HEATING

Determining ingot readiness for rolling. P Baranovskii. Metallurg 9 no 5 31-32 My '64.

Flow of gases and the convective heat exchange in compartment furnaces at the Azovstal' Plant. V.S.Shklar. Izv.vys.ucheb.zav.; chern.met. 7 no.7;221-226 '64.

Radiator pipes with secondary radiators for heating furnaces. D.A.Beglov. Gas.prom. 9 no.4:14-19 '64.

Using a flame screen in a furnace for heating pipes. V.IA.Smorodinov, V.V.Popov. Gaz.prom. 8 no 6: 24-26 '63.

FURNACES, HEATING—COMBUSTION

Investigating the combustion of gas in a fluidized bed as applicable to heating furnaces. G.K.Rubtsov, N.I. Syromiatnikov. Izv.AN SSSR.Met.i gor.delo no.2. 69-74 Mr-Ap '64.

FURNACES, HEATING—EQUIPMENT AND SUPPLIES

Operation indices of a gas-air injector for producing a jet of maximum possible velocity. M.A.Feshkin, A.P.Pishchulin, M.A.Robin. Gaz.prom. 9 no.4:11-14 '64.

FURNITURE

Russia (1917- R.S.F.S.R.) Sverdlovskii ekonomicheskii administrativnyi raion. Upravlenie derevoobrabatyvaiushchei i bumazhnoi promyshlennosti. Proektno-konstruktorskoe biuro. [Furniture] Mebel'. Sverdlovsk, TSentr.biuro tekhn.informatsii, 1962. 119 p. illus.

[MICROFILM]

FURNITURE INDUSTRY—ACCOUNTING

Standard method of cost accounting in the furniture industry Z Khimicheva, M.Tcif. Bukhg uchet 20 no.12 15-17 D '63.

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES

New machines for manufacturing bent and glued furniture parts. N.A.Morozov, Z.I.Usherenko, I.E.Chaikovskii Mekh.i avtom.proizv. 18 no.1;18-23 Ja '64.

FUROBENZOPYRANONE

Quantitative determination of khellin in combined medicinal preparations with the use of the polarographic method IU IE.Orlov, N.P.Dziuba, IU V.Shostenko Farmatsev zhur. 18 no.5:26-30 '63

FUROCOUMARIN—PHYSIOLOGICAL EFFECT

Pharmacological study of the photosensitizing preparation beroxan. IA.I.Khadzhai, V.F.Kuznetsova. Farm. i toks. 26 no.2;219-224 Mr-Ap '63.

FUROCOUMARIN—THERAPEUTIC USE

Experience in the use of ammifurin and beroxan in the treatment of alopecia areata. A.V.Inlakhina. Vest. derm.i ven. 38 no.1;59-61 Ja '64.

FUROIC ACID

Derivatives of furan. Report No. 29: Amino esters of 4,5-substituted 2-furancarboxylic acids. Izv.AN Arm. SSR.Khim.nauki 16 no.2;175-179 '63.

FUSED SALTS

Electric conductivity of vanadium dichloride solutions in a molten equimolecular mixture of sodium and potassium chlorides. IU.U.Samson and others. Zhur. fiz.khim. 38 no.2;481-483 F '64.

Temperatures of the fusion and boiling of salts. O.K. Sokolov. Izv.AN SSSR.Met.i gor.delo no.2;58-62 Mr-Ap '64.

FUSED SALTS—ELECTRIC PROPERTIES

Kinetics of high temperature electrode processes studied by the galvanostatic method. G A.Toporishchev, O.A. Esin, V N Kalugin. Dokl.AN SSSR 157 no.1;162-164 Jl '64.

Structure and capacity of the metal - fused salt separation boundary. R.R.Dogonadze, IU.A.Chizmadzhev. Dokl.AN SSSR 157 no.4;944-947 Ag '64.

GABON—MILITARY ASSISTANCE, FRENCH

"By request of the government." L.Entin. Az.i Afr seg. 8 no.7;22-24 Jl '64.

GADOLINIUM—MAGNETIC PROPERTIES

Annihilation of positrons with electrons in gadolinium. I.IA.Dekhtiar, S.G.Litovchenko, V.S.Mikhalenkov Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18: 198-201 '64.

GAGAUZ LANGUAGE—MORPHOLOGY

Pokrovskaia, L. A. [Grammar of the Gagauz language; phonetics and morphology] Grammatika gagauzskogo iazyka; fonetika i morfologiia. Moskva, Izd-vo "Nauka," 1964. 297 p.

GAGAUZ LANGUAGE—PHONETICS

Pokrovskaia, L. A. [Grammar of the Gagauz language, phonetics and morphology] Grammatika gagauzskogo iazyka, fonetika i morfologiia. Moskva, Izd-vo "Nauka," 1964. 297 p.

GALAXY see Milky Way

GALILEI, GALILEO, 1564-1642

The 400th anniversary of Galileo Galilei's birth Vest AN SSSR 34 no. 6:113-114 Je '64

Jubilee session dedicated to the 400th anniversary of Galileo Galilei's birth A A. Mikhailov Vest AN SSSR 34 no 6 91 Je '64

GALLATES—THERAPEUTIC USE

Radiation-protective effect of gallates in irradiations with 1000 roentgens. V. A. Barabol. Fiziol. zhur. 10 no. 1:89-93 '64.

GALLBLADDER

Effect of gallbladder stimulation on the secretory and motor function of the stomach in man. M. I. Chudakov. Fiziol. zhur. 10 no. 1:129-131 '64.

GALLBLADDER—DISEASES

Characteristics of functional changes in the stomach and duodenum in peptic ulcer and cholecystitis. B. B. Khanbabian. Vop. rent. i onk. 7:20-38 '63.

Cholecystography in healthy children and in children with cholecystitis. M. M. IAkubova. Trudy Tadzh. med. inst. 50:113-124 '61.

Fin'ko's color reaction of bile and its importance in the diagnosis of cholecystitis in children. M. M. IAkubova. Trudy Tadzh. med. inst. 50:125-132 '61.

Functional state of the liver in hepatocholecystitis K. T. Gasparian. Zhur. eksp. i klin. med. 4 no. 2:89-93 '64.

GALLBLADDER—RADIOGRAPHY

Cholecystography in healthy children and in children with cholecystitis. M. M. IAkubova. Trudy Tadzh. med. inst. 50:113-124 '61.

Study of gallbladder function in elderly and senile persons; roentgenological method. I. S. Petrova, P. O. Sakun. Fiziol. zhur. 10 no. 1:127-129 '64.

GALLIC ACID

Antidotal effect of propyl gallic acid, heparin and hydrocortisone on the venom of Vipera lebetina. E. N. Pavlovskii and others. Dokl. AN SSSR 156 no. 6:1476-1478 Je '64.

GALLIUM

Cathodic polarization of lithium on a gallium cathode. Report No. 1 V. P. Porubaev, V D. Ponomarev. Trudy Inst. met. i obog AN Kazakh. SSR 6 113-121 '63.

GALLIUM—ANALYSIS

Arsenate method of the iodometric determination of gallium. G. B. Shakhtakhtinskii, G. A. Asланov, G. A. Shakarov. Dokl. AN Azerb. SSR 19 no. 3:27-30 '63.

Some piridine azo dyes as complexometric indicators for gallium. A. I. Busev, L. M. Skrebkova Izv Sib. otd. AN SSSR no. 7:57-63 '62.

Study of reagents for the spectrophotometric determination of gallium. M. K. Akhmedli, E. L. Glushchenko. Zhur. anal. khim. 19 no. 5:550-560 '64.

GALLIUM ANTIMONIDES—THERMODYNAMICS

Thermodynamic properties of gallium antimonide studied by the electromotive force method. A. S. Abbasov and others. Dokl. AN SSSR 156 no. 6:1399-1401 Je '64.

GALLIUM ARSENIDE CRYSTALS

Use of the method of light figures in studying the crystallographic orientation and etching of gallium arsenide. A. P. Vasil'ev, A. P. Viatkin. Kristallografiia 8 no. 2: 249-254 Mr-Ap '63.

GALLIUM ARSENIDE CRYSTALS—DEFECTS

Disclosure of dislocations on faces (111) and (111) of gallium arsenide single crystals using the etching method. R. L. Petrusevich, E. S. Sollertinskaia. Kristallografiia 8 no. 2:243-247 Mr-Ap '63.

Effective cross sections of defects formed in gallium arsenide by gamma rays. M. A. Krivov, S. V. Malianov Izv. vys. ucheb. zav.; fiz. no. 4:147-151 '64.

GALLIUM ARSENIDE CRYSTALS—GROWTH

Synthesis of gallium arsenide single crystals. K. K. Ozols, E. IU. Kokorish. Rost krist. 4:181-202 '64.

GALLIUM ELECTRODES see Electrodes, Gallium

GALLIUM-PHOSPHORUS ALLOYS

System Ga - P. A. G. Kaliuzhnaia, I. K. Polushina, D. N. Tret'iakov. Zhur. neorg. khim. 9 no. 6:1497-1499 Je '64.

GALLIUM SELENIDE

Interaction of the selenides of A_2^{III} and B_3^{VI} praseodymium and gallium. I. O. Nasibov, Z. Sh. Karaev. Azerb khim zhur. no. 5:105-111 '63

GALVANIZING

Principal causes of the appearance of laps on zinc coatings deposited by the dipping method E. S Bushuev, G. S. Moroz, L. E. Semikina. Sbor nauch trud KGRI no 10:353-361 '61

Source for economizing zinc during the process of hot zinc coating E. S. Bushuev. Sbor. nauch. trud KGRI no. 10 362-366 '61

GAME AND GAME BIRDS

Brief news. Biul. MOIP. Otd. biol. 68 no. 3:148-160 My-Je '63.

GAMES, THEORY OF

Efficient planning of search operations. IU. V. Liubatov. Izv. AN SSSR. Tekh. kib. no. 1:94-100 Ja-F '64.

GAMES OF STRATEGY (MATHEMATICS)

Construction of a sequence of automata and its behavior in games. V. I. Krinskii. Dokl. AN SSSR 156 no. 6: 1312-1315 Je '64.

GAMMA GLOBULIN

Dynamics of the change in the content of γ - globulins in the process of immunization of pregnant women with staphylococcal sorbed anatoxin. E. P. Fenina. Akush. i gin. 40 no. 1:36-38 Ja-F '64

A (hypo) gammaglobulinemia in paraprotein reticuloses (multiple myeloma, Waldenstrom's disease). G. A. Alekseev. Probl. gemat. i perel. krovi 8 no. 8:41-45 Ag '63.

GAMMA GLOBULIN—THERAPEUTIC USE

Blood proteins and γ - globulin therapy in pregnant women with late toxemias. A. M. Shevchenko. Akush. i gin. 40 no. 1:54-59 Ja-F '64.

GAMMA RAYS

Effect of γ-radiation on the rate of beryllium bronze aging. L N Bystrov, L I Ivanov Dokl AN SSSR 157 no. 1:147-149 Jl '64

Gamma rays from Cm^{243} and Cm^{242}. I. A. Baranov, A. S. Krivokhatskii, A. N. Silant'ev. Izv. AN SSSR. Ser. fiz. 28 no. 7:1255-1256 Jl '64.

Increase in the mobility of atoms in alloys under the effect of gamma irradiation. I. IA. Dekhtiar, A. M. Shalaev. Sbor. nauch. rab. Inst metallofiz AN URSR no. 18:26-31 '64.

GAMMA RAYS—INDUSTRIAL APPLICATION

Evaluation of the porosity of carbonate rocks of the gas-condensate fields of the Bashkirian Ural Mountain region. M. G. Belousova. Nauch.-tekh. sbor. po dob. nefti no. 17:3-5 '62.

GAMMA RAYS—MEASUREMENT

Use of Co^{60} gamma sources as standard measures in determining the unit of exposure dose rates K K Aglintsev. Trudy inst Kom stand, mer i izm prib. no 69:70-74 '62.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Reaction of the organism to massive γ-irradiation. A. F. Bikova and others. Pat. fiziol. i eksp. terap. 6 no. 4:57-62 Jl-Ag '62.

Study of the electrical conductivity of the spleen tissue in irradiated animals. E. V. Burlakova, M. L. Kakushkina. Nauch. dokl. vys. shkoly; biol. nauki no. 3:87-90 '64.

GAMZATOV, RASUL GAMZATOVICH, 1923-

Great conversation about poetry. I. Golota. Bibliotekar' no 7:22-23 Jl '64.

The maturity of talent. V. Tushnova. Nov. mir. 39 no. 4:251-253 Ap '63.

GANGLIONIC BLOCKING AGENTS

Effect of fluothane anesthesia on the action of curarelike, ganglionic blocking and adrenomimetic preparations. R. A. Al'tshuler. Farm. i toks. 25 no. 6:662-667 N-D '62.

Method for the study of the effect of pharmacological agents on vasomotor nerve ganglia of the extremities. V. M. Avakian, A. A. Chilingarian. Farm. i toks. 25 no. 6:750-752 N-D '62.

Pharmacology of some derivatives of the polyalkylpiperidine series. V. M. Tikhonenko. Farm. i toks. 25 no. 6:698-705 N-D '62.

Pharmacology of some 2-, 3-mono- and 2,3-di-substituted quinuclidines. I. M. Sharapov. Farm. i toks. 25 no. 6:691-698 N-D '62.

GANGS see subdivision under Moscow

GARDEN PESTS see subdivision under Moscow region

GARMENT CUTTING

Decrease of individual cutting of fabrics in mass production. I. A. Rozenberg. Shvein. prom. no. 2:29-30 Mr-Ap '64.

GARNAKER'IAN, ASHOT GEORGIEVICH, 1907-

"Do we need a pink haze." St. Rassadin Nov. mir 40 no 2:261-264 F '64.

GARNET see subdivision under Baikal Lake region

GAS, NATURAL

(see also subdivision under Italy, Takhta-Kugul'ta Gas Field, United States, Uzen', Volgograd region)

Accelerating the planning of the development of gas fields. F M. Minskii Gaz. prom 9 no 4 1-3 '64.

Amiian, V. A. [Gas production] Dobycha gaza. Moskva, Nedra, 1964. 337 p.

Brief news. Gaz prom 8 no 2:53-54 '63

Brief news. Gaz prom. 8 no. 6:45 '63.

Certain results of deep-well investigations of gas wells with $MGG-2_u$ and DGM-4/2 manometers. M. A. Bernshtein, S. S Blokh, V. I. Belov Gaz prom 9 no. 4:7-10 '64.

Determining the initial gas reserves of interacting fields. V. A Berkun. Gaz. delo no. 3:6-9 '63

Determining the location of the flow between reservoirs from the data of investigations S N Buzinov I N Bykov, I D Umrikhin Gaz prom 7 no 9 9 12 '62

Determining the optimal period for constant gas production and the total number of wells in a gas pool. P. N. Shein. Gaz. delo no. 3:13-22 '63.

Determining the pressure of a static column of gas. V. IA. Bal'tser, N. A. Gukasov. Azerb. neft khoz. 43 no. 3:26-27 Mr '64.

Experimental study of the vacuum degassing of muds. A. I. Berezhnoi, N. I. Degtev. Gaz. prom. 7 no. 3:11-15 '62.

Gas fields. Gas production. Gas pipeline construction Underground storage Use of gas New instruments. Miscellany. Gaz. delo no 3 46-50 '63

In the (Saratov) Scientific Research Institute for the Utilization of Gas in the National Economy. V. S. Loginov. Gaz. prom. 8 no. 9:29-32 S '63.

Influence of edge gas pools in a productive reservoir on pressure variations in observation wells. S. N. Buzinov, I. D. Umrikhin. Nauch.-tekh. sbor po dob nefti no. 19 29-33 '63.

Most important problems of technological progress in the gas-production industry E. IA. IUdin. Gaz. delo no. 3:3-5 '63.

Simultaneous separate withdrawal of gas, oil, and water in saturated pools with bottom water. A. P. Telkov. Gaz. prom. 9 no. 6:10-14 '64.

Sixth International Oil Congress. Use of oil refining products and natural gas. IU. V. Kriukov Neftekhimiia 4 no. 2:354-357 Mr-Ap '64.

Toward further improvements in the use of natural gas in the national economy. IU. I. Bokserman. Gaz. prom. 7 no. 3:1-3 '62.

Work of the Institute for the Utilization of Gas of the Academy of Sciences of the U. S. S. R. V. F. Kopytov. Gaz. prom. 8 no. 9:28-29 S '63.

GAS, NATURAL—ANALYSIS

Selecting gas samples from a gas pipeline to determine the content of mechanical impurities. P. IA. Legostaev. Gaz. prom. 7 no. 3:42-45 '62.

GAS, NATURAL—BIBLIOGRAPHY see Bibliography—Gas, Natural

GAS, NATURAL—COMBUSTION

Combustion of natural gas in rotary heat-treating furnaces. S. G. Kashler. Gaz. prom. 7 no. 3:35-36 '62.

GAS, NATURAL—GEOLOGY

(see also subdivision under Apsheron Archipelago; Azerbaijan; Caspian Lowland; Caspian Sea, Caspian Sea region, Cheleken Peninsula; Daghestan; Dnieper-Donets Lowland; Gissar Range region; Issykul' region; Kama Valley; Karpinsk region, Caucasus, Northern; Kura Lowland; Manych Depression; Mugodzhar Hills region, North Stavropol-Pelagiadi Gas Field; Peschanyy-More Oil Field; Severnyy Stavropol Gas Field; Shebelinka Gas Field, Siberia; Tajikistan; Terek-Kuma Valley; Turkmenistan; Ural Mountains; Ust'-Vilyuy Gas Field)

Behavior of the oil-water surface and the distribution of fluids in oil and gas pools. D. S. Orudzheva, E. I. Parnov. Azerb. neft. khoz. 43 no. 5:9-11 My '64.

Classification of oil and gas sandy-siltstone reservoir rocks. A. A. Khanin. Trudy VNIIGAZ no. 20/28:12-39 '64.

Comparative data in the determination of porosity by various methods. M. I. Koloskova. Trudy VNIIGAZ no. 20/28:72-82 '64.

Determining the formation time of gas pools. A. IA. Edel'shtein. Geol. nefti i gaza 7 no. 11:20-22 N '63.

Determining the volume of reservoirs with various lithological and physical properties. A. A. Valuiskii, M. E. Simonov, V. M. Shakhunov. Geol. nefti i gaza 7 no. 11:28-33 N '63.

Distribution of oil and gas pools in the cross section of the sedimentary mantle of the U. S. S. R. V. G. Vasil'ev, A. A. Khanin. Geol. nefti i gaza 7 no. 11:1-5 N '63.

Effect of reservoir properties of layers on the distribution of oil and gas pools in them. A G.Gabrieltian. Gaz. prom. 8 no. 7:12-15 '63.

Establishing the actual reserves of gas fields. M. A. Bernshtein Gaz. prom. 8 no. 2:1-6 '63

Geological field observations of the development of a large gas field of the North-Stavropol variety. IU. M. Friman. Trudy VNIIGAZ no. 19/27:71-76 '64.

Identifying the prospecting levels in multilayered fields. V. A. Kozlov. Gaz. prom. 9 no. 4:4-6 '64

Methods of conducting test exploitation of gas pools in order to obtain precise data to be used in plans for development. A. L. Kozlov, S. M. Tverkovkin. Trudy VNIIGAZ no. 19/27:76-82 '64.

Principles of tectonic regionalization in connection with oil and gas prospecting. IU. M. L'vovskii. Geol. nefti i gaza 7 no. 11:18-20 N '63.

Range and duration of the diffusion of gases from pools into edge waters. P. L. Antonov. Gaz. prom. 8 no. 9: 1-6 S '63.

Some gas-dynamic calculations of the simultaneous development of two gas-bearing strata in one well. B. I. Motiakov, V. IA. Bal'tser. Gaz. delo no. 7:5-12 '64.

Studying gas and oil reservoir rocks. A. A. Khanin. Trudy VNIIGAZ no. 20/28:5-11 '64.

Studying irreducible water in oil and gas reservoir rocks. A. A. Khanin, O. F. Korchagin. Trudy VNIIGAZ no. 20/ 28:41-64 '64.

Studying the specific surface of cemented rocks. Z. I. Kozlovtseva. Trudy VNIIGAZ no. 20/28:83-88 '64.

Using a mercury poremeter in studying the structure of reservoir rocks. M. I. Koloskova. Trudy VNIIGAZ no. 20/28:65-71 '64.

Using detail paleogeological maps in prospecting oil and gas. V. A. Dolitskii, E. V. Kucheruk. Geol. nefti i gaza 7 no. 11:13-17 N '63.

Using nondestructive control methods to study fracturing in carbonate rocks. K. I. Bagrintseva. Trudy VNIIGAZ no. 20/28:98-110 '64.

GAS, NATURAL—HYDRATES

Field investigations of gas wells in order to select methods by which to control hydrate formation IU. P. Korotaev, N. K. Nam Gaz. prom 8 no. 2 7-12 '63

Operation of a unit for the drying of reduced gas in the Minnibayevo gasoline plant. A. I. Poliakova and others. Nefteper. i neftekhim. no. 5:14-17 '64.

GAS, NATURAL—PIPELINES
(see also subdivision under France)

All-purpose unit for the odorization of gas in a gas pipeline. A. I. Zhukov, V. V. Bernad. Gaz. delo no. 6: 20-23 '64.

Analyzing the operation of the Stavropol-Moscow and Krasnodar Territory-Serpukhov system of gas pipelines. G. I. Zakharov. Gaz. delo no. 6 15-20 '64.

Automatic control of the gas-motor compressors on the Saratov-Moscow gas pipeline. O. G. Il'skii. Gaz. delo no. 7:19-23 '64.

Calculating high- and medium-pressure gas pipelines. S. A. Markov, B. N. Pshenichnii. Gaz. prom. 7 no. 3: 26-30 '62.

Changing the arrangement for the inclusion of a gas offtake outlet. V. P. Kolpakov. Gaz. prom. 7 no. 3: 52-53 '62.

Comparative economic efficiency of regenerative and nonregenerative gas turbine units for gas pipelines compressor stations. B. S. Revzin. Gaz prom. 7 no 9 48-51 '62

Consultation. K. I. Kaloshin. Gaz. prom. 9 no. 4:26 '64.

Determining rated flow rates for low-pressure gas pipelines. A. A Ionin, V M. Akopian. Gaz prom. 9 no 7 18-21 '64.

Determining the capacity of low-pressure gas pipelines made from flat-rolled pipes. G. A. Roev. Gaz. prom. 9 no. 6:36-37 '64.

Determining the length of a loop or insertion to change the delivery and pressure at the end of a section of gas pipeline E. N. Malgurov Gaz prom 7 no. 9 46-48 '62.

Device for locating underground gas pipelines. A. A. Zotov Gaz prom 7 no 9:34-36 '62

Effect of liquid in gas flow on the hydraulic resistance of a pipeline. I. E. Khodanovich, V. A. Mamaev. Gaz. prom. 8 no. 6:36-38 '63.

Efficient capital investments in the pipeline transportation of gas L. N. Steletskaia. Gaz. prom. 9 no. 7 49-51 '64.

Estrin, R. IA. [Safety technique when welding and cutting gas pipelines in operation] Tekhnika bezopasnosti pri ognevykh rabotakh na deistvuiushchikh gazoprovodakh. Moskva, Nedra, 1964. 44 p.

Foreign technology. Gaz. prom. 8 no. 7:53-56 '63.

Instrument for checking the thickness of insulation in a gas pipeline. V. P. Sedov. Gaz. prom. 8 no. 6:39-40 '63.

Investigating the operation of the GT-700-4 gas-turbine unit and its regenerator under operational conditions. N. I. Belokon', B. P. Porshakov, B. S. Tolybekov. Gaz. prom. 9 no. 6:29-36 '64.

Kublitskii, M. A. [Safety technique on main gas pipelines] Tekhnika bezopasnosti na magistral'nom gazoprovode. Leningrad, Izd-vo "Nedra," 1964. 106 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

Limits to the practicability of the use of heat regeneration in gas-turbine units in compressor stations B. P. Porshakov, R N. Bikchentai. Gaz prom 8 no 7:46-49 '63.

Nomogram for calculating low-pressure gas pipelines B. M Krasovskii Gaz prom. 8 no 2 34 '63

Nomogram for the calcualtion of control throttle flaps in gas pipelines A T Bendik Gaz. prom. 8 no 7 38-39 '63.

Operation and efficiency of a compressor station with double-stage centrifugal pumps V D. Dobrokhotov Gaz delo no. 3.26-29 '63.

Power drive for compressor stations. M. V Sidorenko, K. I. Genkin Gaz. prom 8 no 7:43-46 '63

Predicting ground corrosion and the lifetime of gas pipelines E A. Nikitenko. Gaz prom 9 no 7 44-49 '64

Projects for gas distribution and compressor stations. Gaz. prom. 8 no. 6:27-29 '63.

Reliability requirements for a remote control unit in a gas pipeline. V. A. Lutskii. Gaz. prom. 8 no. 9:47-51 S '63.

Selecting gas samples from a gas pipeline to determine the content of mechanical impurities P. IA. Legostaev. Gaz. prom. 7 no. 3;42-45 '62.

Stop device for large pipelines. B. M. IUnker. Gaz. delo no 3.23-25 '63.

Taran, V. D. [Constructing main pipelines] Sooruzhenie magistral'nykh truboprovodov. Moskva, Nedra, 1964. 544 p.

Temperature conditions in gas pipelines. S A. Bobrovskii, V I. Chernikin Izv. vys. ucheb zav , neft' i gaz 5 no 10 89-94 '62

Transportation of gas under complicated conditions. Gaz. delo no. 7:49-52 '64.

GAS, NATURAL—PROCESSING

All-purpose unit for the odorization of gas in a gas pipeline. A. I. Zhukov, V. V. Bernad. Gaz. delo no. 6: 20-23 '64.

Foreign technology. N. V. Kel'tsev. Gaz. prom. 8 no. 9: 52-55 S '63.

Obtaining nonoxidizing hot gas reducers from natural gas. P. A. Tesner and others. Gaz. prom. 8 no. 9:38-43 S '63.

Obtaining processing gas for the synthesis of oxygen-containing compounds V. S Al'tshuler, G S. Shafir, V P. Shchevtsov Gaz. prom. 9 no 7:38-43 '64.

Using tail gases in obtaining formaldehyde from natural gas. S. F. Gudkov. Gaz. prom. 8 no. 9:44-48 S '63.

GAS, NATURAL—SEPARATION

Calculating the throttling of natural gas. M. T. Korchazhkin Gaz. prom 8 no 7:15-21 '63

Similitude criteria for processes in hydrocyclones. V I. Zaitsev. Izv. vys ucheb. zav., neft' i gaz 5 no. 10 77-82 '62.

Vortex tube operating on natural gas. V. M. Entov, V. N. Kalashnikov, IU. D. Raiskii. Gaz. prom. 9 no. 4.34-39 '64.

GAS, NATURAL—STORAGE
(see also subdivision under Ural Mountain region)

Storage of gas in gas pools under elastic conditions P. K. Stradymov Gaz prom. 7 no 9 42-46 '62

GAS, NATURAL—TRANSPORTATION

Designing a commercial high-pressure centralized gas gathering network of minimal weight. A. I. Arutiunov. Gaz. delo no. 7:13-18 '64.

Optimal conditions for the long distance transportation of gas. V. M. Gal'perin. Gaz. prom. 9 no. 4:39-47 '64

GAS AND OIL ENGINES see Internal combustion engines

GAS APPLIANCES

Novak, S. IA. [Minimum technological requirements for personnel servicing gas equipment of communal buildings and boiler houses] Tekhminimum dlia personala, obsluzhivaiushchego gazovoe oborudovanie kommunal'no-bytovykh predpriiatii i kotel'nykh. Moskva, Izd-vo lit-ry po stroit "Stroiizdat," 1964. 93 p.

GAS APPLIANCES—SAFETY MEASURES

Safety in the operation of household gas appliances D. IA. Vigdorchik Gaz. prom. 7 no 9:52-54 '62.

GAS AS FUEL
(see also subdivision under Ochakov, Nikolayev Province)

Carbon enrichment wastes as a raw material for obtaining fuel gas. L. V. Drobyshev. Khim. i. tekh. topl. i masel 9 no. 4.33-37 Ap '64.

Converting electric pusher-type furnaces to natural gas. A. IA. Nemirovskii. Gaz prom. 8 no 2 18-21 '63.

Determining the coefficient of gas utilization in processing furnaces in the separation of carbon dioxide. M. B Ravich. Gaz. delo no. 3 33-36 '63.

Eliminating vibrational combustion in a cast-iron heating boiler converted to gaseous fuel. R. I. Esterkin, V. M. TSypin. Gaz. prom 9 no. 4.19-20 '64.

Noskov, B. A., and I. N. Den'gin. [Using natural gas for the melting of cast iron] Primenenie prirodnogo gaza pri vtorichnoi plavke chuguna. Kiev, Tekhnika, 1964. 114 p.

Using natural gas in foundry work. L. V Semenov Gaz. prom 8 no. 7:30-33 '63

GAS BURNERS
(see also subdivision under France)

Consultation. A K. Ninburg. Gaz prom. 8 no. 7:41-41 '63

Flame stability in relation to backfire in gas burners A. M. Levin, O N Briukhanov Gaz prom 7 no 9 21-24 '62

Gas-air burner with increased parameters. V. I. Bol'chenko, L. P. Ginzburg Gaz. prom. 8 no 7:36-38 '63

Gas burners for drying paint and varnish coatings. IU. A. Kazarian. Gaz. delo no. 7:37-38 '64.

Gas equipment for a railway-car restaurant. D. IA. Vigdorchik, V. P. Ivanov. Gaz. prom. 9 no. 6:22-25 '64.

Operation of infrared radiation burners in the wind. Z. L. Zakharova. Gaz prom 8 no 2:26-30 '63

Pyroburner having two functions. D. A. Aliev. Neftoper. i neftekhim. no. 2:38-40 '64.

Using gas infrared radiators for warming up free-flowing materials frozen in railroad cars. D. V. Shatilov, I. A. Polosin. Gaz. prom. 9 no. 6:19-22 '64.

Using radiative injection-type gas burners in open areas V F Drebentsov. Gaz prom 9 no 7 21-26 '64.

GAS CHROMATOGRAPHY

Analysis of polymeric materials with the chromatography method in a gas medium. Khim. prom. [Ukr.] no. 3: 93-94 Jl-S '63.

Determination of lower fatty acids and their ethyl esters by gas-liquid chromatography. E. Z Druskina and others. Gidroliz. i lesokhim. prom. 17 no. 3:16-17 '64.

Gas chromatography. Khim. prom. [Ukr] no. 3:95 Jl-S '63.

Gas-liquid chromatography and infrared spectra of isomeric allyl guetols and allyl guaiacols. T. A. Rudol'fi and others. Zhur. anal khim. 19 no. 5:610-621 '64.

Separation of C_1 - C_5 aliphatic alcohols by gas chromatography in different stationary phases. L. P. Kolesnikova, V. T. Gurevich, L. L. Starobinets Neftekhimiia 4 no. 2.340-344 Mr-Ap '64.

Separation of close-boiling mixtures on a capillary chromatograph with flame-ionization detection. S. V. Vitt, V. B. Bondarev, V. L. Polinin. Izv. AN SSSR. Ser. khim. no. 7:1145-1150 Jl '64.

Simplified design of a microflame detector for gas-liquid chromatography. V. M. Nabivach, V. I. Dal'. Trudy DKHTI no. 16:149-159 '62.

Use of gas-liquid chromatography for separating some inorganic gases. S. A. Ainshtein, B. I. Anvaer, N M. Turkel'taub. Zav. lab. 30 no. 6:669-671 '64.

Use of gas-liquid chromatography in the analysis of halogen-containing organosilicon and organogermanium compounds. A. D. Snegova, L K. Markov, V. A. Ponomarenko. Zhur. anal. khim. 19 no. 5 610-614 '64.

GAS COOKING

Russia (1917- R. S. F. S. R.) Ministerstvo kommunal'nogo khoziaistva. Pusko-naladochnoe upravlenie gazovogo khoziaistva. [Industrializing the assembly of apartment gas equipment] Industrializatsiia montazha vnutrikvartirnogo gazovogo oborudovaniia. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 13 p.

[MICROFILM]

GAS CYLINDERS

Efficient conditions for the use of carbon dioxide cylinders. A. S Fal'kevich, R. A. Mangasarov. Avtom. svar. 17 no. 7:77-78 Jl '64.

GAS DISTRIBUTION
(see also subdivision under Uzbekistan; Volgograd region)

Belodvorskii, IU. M. [Supplying gas to enterprises] Gazosnabzhenie predpriiatii. Moskva, Izd-vo lit-ry po stroitel'stvu.
Pt. 2. 1964. 186 p.

Comparative efficiency of gas supply to certain regions of the U. S. S. R. on a base of various fuel gases. N. D. Digal. Gaz. prom. 8 no. 9:32-37 S '63.

Conditions governing gas consumption in city bathhouses and laundries S A. Shimel'fenig. Gaz. prom 9 no. 7: 35-36 '64.

Designing city gas-supply systems. M. M. Kuz'min, B. M. Krasovskii. Gaz. prom. 8 no. 7:41-42 '63.

Determining the rated flows for household needs in the design of gas networks. IU. I. Danilevich. Gaz. prom. 8 no. 9:23-27 S '63.

Distribution of gas to the Lenin State Farm. B. P. Shevelev, A. L Saltykov. Gaz prom. 9 no 7 30-34 '64

GAS DISTRIBUTION (Continued)

Method for determining rated gas consumption. V.A. Smirnov. Gaz.prom. 8 no.6;18-21 '63.

Method for obtaining an approximate characteristics equation of an automated gas main. D.B.Baiasanov. Avtomatyka 8 no.6;65-77 '63.

Planning and building city gas-supply systems. A.I. Gordiukhin Gaz.prom. 7 no 9 29-31 '62

Projects for gas distribution and compressor stations. Gaz.prom. 8 no.6;27-29 '63.

Repin, N.N. [Sanitary equipment and gas distribution to buildings] Sanitarno-tekhnicheskie ustroistva i gazosnabzhenie zdanii. 3. izd., perer. i dop. Moskva, Stroiizdat, 1964. 324 p. diagrs. (insert)

Skoblov, G.M. [Directing construction and the organization of work in supplying gas to cities] Upravlenie stroitel'stvom i organizatsiia rabot po gazifikatsii gorodov. Moskva, Stroiizdat, 1964. 159 p.

Specific indices and regime characteristics for gas consumption in residential sectors of cities S.U. Landsman, F.T.Markovskii, L.P.Sinitsyna Gaz prom. 8 no.2 30-34 '63

Using the theory of probabilities in calculating the internal gas pipelines of residences. B.M.Krasovskii Gaz.prom. 9 no.6;25-27 '64.

GAS DISTRIBUTION—EQUIPMENT AND SUPPLIES see subdivision under Krasnodar

GAS DYNAMICS

Approximate integration of equations for plane vortex gas flow. T.I.Chukanova. Inzh.zhur. 4 no.2;321-325 '64.

Approximate method of integrating equations for plane potential gas flow. K.P.Staniukovich. Inzh.zhur. 4 no.2;318-321 '64.

Distribution of streams in a tubular apparatus with the system of gas supply along the cross section. S.M. Ivanov, I.M.Khanin. Trudy DKHTI no.16;133-138 '62.

Godunov, S.K. [Difference methods of solving gas dynamics equations; lectures for students of Novosibirsk State University] Raznostnye metody resheniia uravnenii gazovoi dinamiki, lektsii dlia studentov NGU. Novosibirsk, Novosibirskii gos. univ., 1962. 96 p.
[MICROFILM]

Some special features related to the use of the system of measurement units in hydrogasdynamics. IU.N. Sokolov. Izv.vys.ucheb.zav., energ. 7 no.6;115-119 Je '64.

Three-dimensional flow past blunt bodies with allowance for equilibrium physicochemical reactions. IU.N. D'iakonov. Dokl.AN SSSR 157 no.4;822-825 Ag '64.

Turbulent boundary layer of a free compressible gas jet in a cocurrent and counter flow. M.P.Teterin. Inzh. zhur. 4 no.2;330-336 '64.

GAS DYNAMICS—TABLES, ETC.

Generalized tables of the thermodynamic properties of dissociating ideal gases. L.R.Fokin. Teplofiz vys temp 2 no.3;367-377 My-Je '64.

GAS FIELDS

Vodianik, P.F. [Automatic control of a gas field] Avtomaticheskoe upravlenie gazovym promyslom. Moskva, Nedra, 1964. 223 p.

GAS FLOW

Certain problems in the designing of net integrators and methods for solving problems of nonsteady gas flow. P.M.Belash, A.M.Kirilichev. Izv.vys.ucheb.zav.; neft' i gaz 6 no.7;83-89 '63.

Cooling capacity of two-phase flows. I.A.Charnii, B.I. Mitel'man, G.D.Rozenberg. Gaz.prom. 7 no.3;50-52 '62.

Determining the location of the flow between reservoirs from the data of investigations. S.N.Buzinov, I N. Bykov, I.D.Umrikhin Gaz.prom. 7 no 9'9-1? '62

Effect of liquid in gas flow on the hydraulic resistance of a pipeline. I.E.Khodanovich, V.A.Mamaev. Gaz. prom. 8 no.6;36-38 '63.

Experimental study of the initial stage of stream formation. A.I.Starshinov. Vest.LGU 19 no.13,110-113 '64.

Flow of a radiating gas near the critical point of a blunt-nosed body. G.A.Kolton. Vest.LGU 19 no.13; 103-109 '64.

Formula for calculating gas flow to a well after it has been shut down. O.B Kachalov. Gaz prom 7 no 9; 13-14 '62.

Heat transfer in porous media in a direction perpendicular to the gas flow. G.P.Willhite, J.S.Dranoff, J.M.Smith. Nefteprom.delo no.7;45-47 '64

Interreservoir gas flow through the cement ring of a gas well. A P.Agishev Gaz prom 7 no 9;5-8 '62

Passage of a nonequilibrium gas through the critical cross section of a nozzle. A.S.Pleshanov. Dokl.AN SSSR 158 no.1:74-77 S-O '64.

Rotary motion of a sphere in a high-speed rarefied flow. Nam Tum Po. Vest.LGU 19 no.13;162-167 '64.

Stability of a ribbon or ring-shaped flow of an ideal incompressible fluid. V.M.Kuznetsov, E.N.Sher. PMTF no.2;66-73 Mr-Ap '64.

Use of electron-ray methods in studying gas flows. A.M.Trokhan. Dokl.AN SSSR 157 no.4;820-821 Ag '64.

Use of the method of integral equations in calculating an unsteady subsonic gas flow past an oscillating lattice. V.B.Kurzin. PMTF no.2;112-119 Mr-Ap '64.

GAS FLOW—BOUNDARY VALUE PROBLEMS

Nonstationary problem of the dissipation of a jet. A.V. Belova, G.G.Maksimova. Vest.LGU 19 no.13;75-84 '64.

GAS FLOW—MEASUREMENT

Use of the free precession of nuclei in the earth's magnetic field in measuring the rate of flow of certain fluids. P.M.Borodin. Zhur.tekh.fiz. 34 no.7: 1328-1336 Jl '64.

GAS FLOW—TABLES, ETC.

Babenko, K.I., and others. [Three-dimensional flow of an ideal gas past smooth bodies] Prostranstvennoe obtekanie gladkikh tel ideal'nym gazom. Moskva, Nauka, 1964. 505 p.

GAS FLOW—TESTING

Studying the distribution of gases in coke ovens with sectional regenerators and bottom admission fuel of the gas. I.M Khanin, I.G.Kuprienko. Koks i khim no.6;24-30 '64.

GAS GANGRENE

Changes of the reactivity of the organism under the influence of the growth of transplanted tumors. Z.I. Sobieva. Pat.fiziol.i eksp.terap. 6 no.4:75-76 Jl-Ag '62.

GAS GOVERNORS

Investigating the design of an injector for feeding a gas-air mixture at maximum velocity M A Peshkin. Gaz.prom 8 no 7;25-29 '63.

Remote-control corrector to pressure regulators for gas-regulation points. D.B.Baiasanov, E.A.Emirshakh. Gaz.delo no.7:24-27 '64.

GAS HEATING

Oxidation of atmospheric nitrogen in gas furnaces. V F Kopytov, A I Stezhenskii, O.A.Zagorovskii. Gaz.prom. 9 no.7·26-28 '64

Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khoziaistva. Pusko-naladochnoe upravlenie gazovogo khoziaistva. [Industrializing the assembly of apartment gas equipment] Industrializatsiia montazha vnutrikvartirnogo gazovogo oborudovaniia. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 13 p.
[MICROFILM]

GAS HEATING—EQUIPMENT AND SUPPLIES

Gas heating devices without flue systems. M.I.Rabinovich, K.B Bulgakov. Gaz.prom. 8 no 2·22-26 '63

Radiative gas heating appliances. I.D.Bukshpun. Gaz. prom. 8 no.6;15-18 '63.

GAS INDUSTRY
(see also subdivision under Azerbaijan; Italy)

Bibliography. Gaz.prom. 8 no.6;56 '63.

Brief news. Gaz.prom. 7 no.9:64-66 '62.

Brief news. Gaz.prom. 8 no.9:56 S '63.

Chernykh, A.V. [Oil and gas industry of the U.S.S.R.] Neftianaia i gazovaia promyshlennost' SSSR. Moskva, Vysshaia shkola, 1964. 132 p.

Foreign technology. Gaz.prom. 9 no 7·62-66 '64.

Gas industry in the Soviet Union from 1959 to 1963. V M.Gal'perin, G.S.Ryps, I IA.Furman. Gaz.prom 9 no.7;1-4 '64.

New books. Gaz.prom. 9 no.6;49-50 '64.

Provisional norms for projecting building, and using gas installations in a rural region. Gaz.prom. 7 no.3;25 '62.

Science and technology in the gas industry. Gaz.prom. 8 no.7;1-5 '63.

GAS INDUSTRY—CONGRESSES

Secondary plenary session of the Central Administration of the Scientific Technological Society of the Oil and Gas Industry. Z Kogan. Neft.khoz. 42 no.6:66-67 Je '64

GAS INDUSTRY—FINANCE

Determining the efficiency of capital investments in relation to the national economy. G.S.Detkov. Sbor. nauch.inform.Nauch.sov po eff.osn.fond.kap.vlozh.i nov.tekh.AN SSSR no.4;79-87 '63.

GAS INDUSTRY—SPECIFICATIONS

Gas supply. Exterior networks and structures. Regulations for the construction work organization, execution of work, and acceptance of completed work. Biul stroi. tekh. 20 no.12·11-12 D '63.

GAS METERS

Device for the automatic introduction of corrections for temperature and pressure into the readings of a gas meter. A.Sh.Kiiasbeili, M.E.Perel'shtein, A.G. Dzhafarov. Azerb.neft.khoz. 43 no.5;41-43 My '63.

GAS PIPES—FLUID DYNAMICS

General equations for the subsonic nonsteady flow of real gases in pipes Sh.Doleshal. Izv.vys ucheb.zav , neft' i gaz 5 no.10,71-76 '62.

GAS PIPES—SAFETY MEASURES

Expansion pipes for underground gas pipelines. P.F. Gertner. [Trudy] VNIMI no.47;378-382 '62.

GAS PRODUCERS

Automatic and remote control of a gas generator station in a shale processing combine. IU.V Shaganov. Gaz. prom 8 no.7;22-24 '63

Inert gas generator of simplified construction. D.M. Slavinskii. Neftepet.i neftekhim. no.5;40-41 '64.

GAS TURBINES

Comparative economic efficiency of regenerative and nonregenerative gas turbine units for gas pipelines compressor stations B.S Revzin Gaz prom 7 no 9·46-51 '62

Determination of the optimum outflow speed of gases in large steam and gas systems V.N Lapshov, V.A Poniatov. Izv.vys ucheb.zav., energ. 7 no.7;34-40 Jl '64

Gas turbines. I T.Shvets Teploenergetika 10 no 12 33-37 D '63.

Investigating the operation of the GT-700-4 gas-turbine unit and its regenerator under operational conditions. N.I Belokon', B P.Porshakov, B.S.Tolybekov Gaz. prom. 9 no.6;29-36 '64

Study of the nonsteady mode of operation of a cooled disc rotor of a gas turbine. P I Korzh and others. Energomashinostroenie 10 no.5 6-9 My '64

GAS TURBINES—AERODYNAMICS

Calculating three-dimensional flow in a turbine stage with nonuniform inlet-gas temperature V I.Lokai. Izv vys. ucheb.zav , av tekh. 6 no.4:117-125 '63

GAS TURBINES—BLADES

Investigating the behavior of nozzle blades in conditions of steady and unsteady heat flow. V N.Gridnev and others. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18 47-53 '64.

X-ray investigation of the surface of nozzle blades tested for heat-resistance A.P.Glazov, L.V.Tikhonov, M.S.Khazanov. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18;60-68 '64.

GAS WELDING AND CUTTING

Korsunov, V.M. [Aid for the young gas welder] V pomoshch' molodomu gazosvarshchiku. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1959. 81 p.
[MICROFILM]

GAS WELL CASING

Selecting the length of intermediate casing in fields with a large gas-bearing level. V.D.Malevanskii. Trudy VNIIGAZ no.19/27;110-112 '64.

GAS WELL CEMENTING

Basic requirements to ensure the high-quality cementing of wells in gas and gas condensate fields. V.D. Malevanskii. Trudy VNIIGAZ no.19/27;92-110 '64.

Cementing low-temperature gas wells. S.N.Nazarov, D K.Kuchkarov, A Normatov. Neft.khoz 42 no.7·26-28 Jl '64.

Interreservoir gas flow through the cement ring of a gas well. A.P.Agishev. Gaz.prom. 7 no 9;5-8 '62

Investigating cement stone in experimental drilling wells. A.P.Agishev. Gaz.prom. 8 no.6;10-14 '63.

Investigating the effect of admixtures on the water and gas permeability of hardened cement. G.N.Khangil'din. Gaz.prom. 8 no.9;6-10 S '63.

GAS WELL COMPLETION

Drilling in producing horizons of gas fields. A.P.Agishev, A.I.Berezhnoi, P.G.Kulagin. Trudy VNIIGAZ no.19/27;113-122 '64.

Effect of the sand and water accumulated on the well bottom and around the well bore on well production. O.F.Andreev. Trudy VNIIGAZ no.19/27;66-70 '64.

Methods of planning for the efficient development of a gas pool in a uniform strata with a gas regime. S.S. Gatsulaev. Trudy VNIIGAZ no.19/27;83-91 '64.

GAS WELL DRILLING

Investigating the foaming of clay muds with a sulfite-alcohol residue. V.D.Malevanskii, E.P.Okhrimenko. Trudy VNIIGAZ no.19/27;144-150 '64.

Investigating the stabilization of mineralized clay muds with a starch reagent in combination with a sulfite-alcohol residue. E.P.Okhrimenko, V.D.Malevanskii. Trudy VNIIGAZ no.19/27;151-164 '64.

Monitoring the content of gas in drilling fluid. A.I. Berezhnoi, N.I.Degtev. Trudy VNIIGAZ no.19/27;122-131 '64.

Vacuum degassing of drilling fluids. A.P.Agishev and others. Trudy VNIIGAZ no.19/27;131-144 '64.

GAS WELL LOGGING, RADIATION

Estimating the gas saturation factor from the data of neutron-gamma logging. V.S.Neiman, L.B.Berman, IA.N.Basin. Neftegaz.geol.i geofiz. no.7;53-57 '64.

Using neutron gamma logging in creating and operating underground gas reservoirs. L.B.Berman, IA.N. Basin, V.S.Neiman. Neftegaz.geol.i geofiz. no.7;50-53 '64.

GAS WELLS

Determining [illegible] of gas leakage in the production [illegible] of gas wells. Gaz.prom. 7 no.3:3-11 '62

[illegible] gas-bearing [illegible] 47 [illegible]

[illegible] wells [illegible] to effect [illegible] IU P [illegible] 2 7-12 '63

GAS WELLS—EQUIPMENT AND SUPPLIES

[illegible] calculating the thermal flow re-[illegible] planning the development and setup of gas and [illegible] condensate fields. IU. P. Korotae Trudy VNIIGAZ no.19/27 [illegible] 172 '64

[illegible] the [illegible] drilling rig IU V Kovgan [illegible] 7 no 3 75 '62

GAS WELLS—HYDRAULIC FRACTURING see subdivision under Stavropol Territory

GASEOUS PLASMA see Plasma (Ionized gases)

GASES

[illegible] the [illegible] density of gases in a [illegible] energ [illegible]

The [illegible] thermomolecular pressure drop and thermo-[illegible] (thermal osmosis) of gases in moderately wide capillaries B V Deriagin, IU I IAlamov Dokl AN SSSR 157 no 4 940-943 Ag '64

GASES—ABSORPTION AND ADSORPTION

[illegible] of gases [illegible] under conditions of [illegible] A G Bilsl ako [illegible] no 2 23-40 '61

Absorption of hydrogen sulfide by potassium carbonate solution in a foam bubble. L.G. Plit, S.G. Nilus. Trudy DKHTI no.17 161-172 '62

Adsorption of hydrogen and carbon monoxide on a nickel catalyst. V.M. Vlasenko and others Kin.i kat. 5 no.2 337 344 Mr-Ap '64.

Adsorption of vapor mixtures on zeolites. B P Bering, V V [illegible] S I Surinova. Izv.AN SSSR Ser.khim no.7 1303-1311 Jl '64

Determining the methane sorption capacity of reservoir rocks. K.L Bagrintseva, Z.I. Kozlovtseva. Trudy VNIIGAZ no 20/28 89-97 '64.

Distribution of streams in a tubular apparatus with the system of gas supply along the cross section. S.M. Ivanov, I.M. Khanin. Trudy DKHTI no.16 133-138 '62.

Measuring the quantity of adsorbed gas. G.A Karmanov, IU G Pushinskii Izv AN SSSR.Ser.fiz 28 no.8 1373-1376 Ag '64

GASES—ANALYSIS

Apparatus for the analysis of gases. Khim.prom.[Ukr.] no.3 [illegible] Jl-S '63.

G P Bykov and E IA. Shreider's "Spectral analysis of gas mixtures" A N Zaidel' Zav lab. 30 no 6 767-768 '64

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, and gas tests, installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii i prob na gaz, sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4913-63—MN 4926-63). Moskva, Izd-vo standartov. (SSSR. Normali mashinostroeniia)

Pt.2. [For aggressive media] Dlia agressivnykh sred. 1964. 43 p.

GASES—PURIFICATION

Control of deposition in circulating water supply systems for gas purification R A Bakshi, S A Kantushov Stal' 24 no 4 378-379 Ap '64

GASES—SEPARATION

(see also subdivision under Gazli Oil Field; Pugiinskoye Gas Field)

Automatic control of condensate separation. N.S. Sokolov. Gaz.prom. 8 no.9:11-13 S '63.

Epifanova, V.I., and L.S. Aksel'rod, eds. [Air separation by means of low temperature refrigeration, technology and equipment] Razdelenie vozdukha metodom glubokogo okhlazhdeniia, tekhnologiia i oborudovanie v dvukh tomakh. Moskva, Mashinostroenie, 1964. 2 v. diagrs. (insert)

Investigating a water condensate of a gas separator of a pyrogenic unit. D.A. Aliev, S.G. Alieva, L.K. Seiatkova. Khim.i tekh. topl.i masel 9 no.4:30-32 Ap '64.

Investigating the design of a set-up for separating casing-head gases using a liquid coolant. N.I. Zelentsova and others. Gaz.prom. 8 no.6:30-35 '63.

New method for reducing petroleum gases. V.I. Kostiuk, A G.Cheglikov. Gaz.delo no.6:32-36 '64.

Separating acetylene from gases obtained by the electrocracking of methane at low temperatures. V.M. Shleinikov, B G.Tagintsev. Gaz.prom. 9 no.6:38-42 '64.

GASES, INTERSTELLAR

Cumulative shock waves in interstellar space. E.A. Dibai, S.A. Kaplan. Astron.zhur. 41 no.4:652-656 Jl-Ag '64.

Structure of a shock wave with emission. S.A. Kaplan, I.A. Klimishin. Astron.zhur. 41 no.4:657 Jl-Ag '64.

GASES, INTERSTELLAR—MEASUREMENT

Masses and radii of baryon configurations. IU.L. Vartanian. Izv.AN Arm SSR.Ser fiz.-mat.nauk 16 no.6:137-145 '63.

GASES, KINETIC THEORY OF

Kinetic equation of parallel bimolecular reactions taking place in the gas phase of flow in the presence of solid catalysts I M Kolesnikov, G M Panchenkov Izv.vys ucheb zav., neft' i gaz 5 no 10 61-66 '62

GASES, RARE

Inert gas generator of simplified construction. D.M. Shavinskii. Nefteper.i neftekhim. no.5,40-41 '64.

Monoethanol amine removal of carbon dioxide from an inert gas on a catalytic reforming device. V.P. Cherevatko, R S.Sharipov. Nefteper.i neftekhim no.5:33-35 '64.

GASES AT HIGH TEMPERATURE—ABSORPTION SPECTRA

Optical absorption cross sections in electron bands of CN, CO, C_2, and OH at high temperatures V N Soshnikov Teplofiz vys temp 2 no 3 479-481 My-Je '64

GASES IN METALS

Adsorption of gases on metals. N.N. Kavtaradze, Zhur. fiz.khim. 36 no.3:628-629 Mr '62.

Content of gases in malleable cast iron. L.I. Levi, E.I. Bader, A.IA. Sirotin, Izv.vys.ucheb.zav.; chern. met. 7 no.7:210-214 '64.

Gases in copper ingots and their determination. V.L. Ziazev, M.N. Furasheva, Izv.AN SSSR. Met.i gor. delo no.2.132-136 Mr-Ap '64.

GASES IN METALS—THERMODYNAMICS

Thermodynamics of nitrogen solutions in liquid iron, V V. Averin, A M. Samarin, Izv.AN SSSR.Met.i gor. delo no 2:3-12 Mr-Ap '64.

GASES IN ROCKS

Role of partial hydrogen pressure in the genesis of traps. A.A. Kuznetsov. Dokl.AN SSSR 158 no.1.123-125 S-O '64.

GASES IN SOILS

Biological activity and the composition of the air of the plowing layer of the soil L.N. Abrosimova, I B. Revut. Pochvovedenie no 7:34-45 Jl '64.

GASHOLDERS

Cylindrical steel gasholders of constant volume: Parameters and initial sizes. Biul stroi tekh. 20 no 12 21-22 D '63

GASOLINE

Desorption of casing head gasoline from the surface of adsorbents under increased pressure. A.M. Kuliev, N.A. Agakishiev, B.A. Pimsker, Gaz.prom. 9 no.4 48-51 '64

Developing a method for the separation of methylcylopentane from gasoline fractions. G.G. Ashumov, M.M. Mirdzhavadova, A.A. Allakhverdiev, Azerb.neft.khoz. 42 no.6 36-38 Je '63.

Developing optimal conditions for the pyrolysis of gasoline in a current of superheated water vapor. T.A. Khachaturian, A.N. Dzhanumov. Nefteper.i neftekhim. no.2:22-26 '64.

Hydraulic purification of pyrolytic gasoline by-product. Nefteper.i neftekhim. no 9 38-40 '63

GASOLINE—ANALYSIS see subdivision under Karadag Oil Field

GASOLINE—TOXICOLOGY

Changes in the serum proteins in persons working with gasoline and ethylated gasoline. E.A. Mel'nikova, Z.G. Panasenko, T.A. Artamonova Nauch.trudy Kub gos. med.inst. 19:77-83 '62.

GASTRIC JUICE

Characteristics of the secretion of proteolytic enzymes of gastric juice in various diseases. A.A. Pokrovskii, L.M. Bogdanova. Vop.med.khim. 9 no.2:217-218 Mr-Ap '63.

Proteins and mucoproteins of the gastric juice in various forms of chronic gastritis. IE.L. Revuts'kyi, F M Eidel'man, D.D Semenchuk. Fiziol zhur.[Ukr.] 9 no.6:775-780 N-D '63

GASTRIC JUICE—TOXICOLOGY

Characteristics and nature of toxic substances of the gastric juice in radiation sickness. S.A. Akopian, L.Kh. Kirakosian. Izv.AN Arm.SSR.Biol.nauki 15 no.12:15-24 D '62.

GASTROINTESTINAL HEMORRHAGE

Methodology for morphologic study of hemorrhaging ulcers in the gastrointestinal tract. G.A. Berlov. Arkh. pat. 26 no.2:85-88 '64.

GASTROINTESTINAL MOTILITY

Effect of gallbladder stimulation on the secretory and motor function of the stomach in man. M.I. Chudakov. Fiziol.zhur. 10 no.1.129-131 '64.

Effect of morphine on the secretory and motor functions of the stomach in human beings A.P. Peleshchuk Fiziol.zhur.[Ukr.] 9 no.6:765-774 N-D '63

Interrelation between the structural characteristics, the gradient of intraorganic neural elements along the intestinal tube and its motor functions. E.P. Mel'man and others. Arkh.anat.,gist.i embr. 43 no.8:53-63 Ag '62.

Methodology of hypnotherapy in functional disorders of digestion. A.I. Belkin, V.K. Afanas'eva. Trudy Gos. nauch.-issl.inst.psikh. 40:281-290 '63.

GAUGES

Means for the mechanization of gauge work. V.D. Vasil'ev. Soversh tekh.mash.i prib no.9:17-27 '60.

New books. Gaz.prom. 9 no.4:47 '64.

GAUGES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Methods for calculating specification dimensions of thread gauges for metric threads] Metodika rascheta ispolnitel'nykh razmerov rez'bovykh kalibrov dlia metricheskoi rez'by (RTM 64-62). Moskva, Izd-vo standartov, 1964. 11 p.

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Thread gauges for metric thread having gaps with a diameter from 1 to 68 mm.; specifications] Kalibry rez'bovye dlia metricheskoi rez'by s zazorami diametrom ot 1 do 68 mm, ispolnitel'nye razmery (MN 5356-64). Moskva, Izd-vo standartov, 1964. 213 p. (SSSR. Normal' mashinostroeniia)

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Thread gauges for metric thread having gaps with a diameter from 68 to 160 mm., specifications] Kalibry rez'bovye dlia metricheskoi rez'by s zazorami diametrom sv. 68 do 160 mm, ispolnitel'nye razmery (MN 5357-64). Moskva, Izd-vo standartov, 1964. 131 p. (SSSR. Normal' mashinostroeniia)

GAURDAK MOUNT REGION—LAMELLIBRANCHIATA, FOSSIL

Some representatives of the genus Korobkovitrigonia from the Albian and Cenomanian of the Gaurdak-Kugitang region. G.N. Burkova. Izv.AN Turk.SSR.Ser. fiz.-tekh.,khim.i geol.nauk no.2:108-115 '63.

GAZLI OIL FIELD—GASES—SEPARATION

Some problems in setting up the Gazli gas field. G.D. Margulov, S.M. Tverkovkin, O.F. Khudiakov. Gaz.delo no.7:3-5 '64.

GAZLI GAS FIELD—ROCKS—ANALYSIS

Basic types of gas-bearing rocks in the ninth and tenth producing horizons of the Gazli field and the main factors determining their reservoir-rock indices. E.G. Burova, V.I. Lukshina. Trudy VNIIGAZ no.20/28:141-159 '64.

Gas reservoir rocks of the twelfth horizon in the Gazli gas field. G.S. Golubtsova. Trudy VNIIGAZ no.20/28: 160-180 '64.

GAZLI REGION (BUKHARA PROVINCE)—CLAY

Petrographic and mineralogical characteristics of Cretaceous clay rocks of the Gazli uplift. Kh.Kh. Avazkhodzhaev. Uzb.geol.zhur. 7 no.6:76-82 '63

GEAR CUTTING

Area of effective loading and the geometry of a layer cut-off by peripheral tooth edges of the hobbing cutter. V.A. Ploskov. Trudy Ural.politekh.inst. no.129:76-84 '63.

Klimov, V.I. [Cutting gear wheels] Narezanie zubchatykh koles. 2. izd. Moskva, Izd-vo "Mashinostroenie," 1964. 60 p. (Nauchno-populiarnaia biblioteka rabochego-stanochnika)

Problems of economic efficiency of the shaving of high-module gear wheels. V.S. Syromiatnikov. Trudy Ural politekh.inst. no.129:95-101 '63.

Rounding method for broaching gear wheels. B.K Shunaev, E.F. Perlov, I.M. Savel'eva. Trudy Ural politekh.inst. no.129:53-66 '63.

Thickness of the cut-off layer in milling gear teeth. V.A. Ploskov. Trudy Ural.politekh.inst. no 129:74-86 '63.

GEAR-CUTTING MACHINES—TECHNOLOGICAL INNOVATIONS

Modernization of gear milling machinery for multiple machining. R.L. Satanovskii. Mashinostroitel' no.6. 15-16 Je '64.

GEAR-SHAPING MACHINES

Rolling noninvolute gear teeth. I.B. Dmitrovskii. Mashinostroitel' no.7:33 Jl '64.

GEARING

Basic kinds of contact breakdowns of casehardened and nitrided gear wheels and methods for their prevention. A.I. Korablev. Vest.mashinostr. 43 no.12:7-14 D '63.

Fatigue caused by the bending of gear wheels with nonstandard initial shapes. V.I. Rudnitskii. Vest.mashinostr. 44 no.6:42-46 Je '64.

GEARING (Continued)

Fixed planetary reducing gear. IU I. Gorbatenko. Stan i instr. 35 no. 6:41 Je '64

Mal'tsev, V. F. [Impulse-type variable speed transmissions] Impul'sivnye variatory. Izd. 2, ispr. i dop. Moskva, Mashgiz, 1963. 278 p.

Sybov, I. V. [Planetary reducing gears] Planetarni reduktory. Kyiv, Tekhnika, 1964. 170 p.

GEARING, BEVEL—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Bevel gear wheels (pairs) with circular teeth having a nominal inclination angle of 35°] Kolesa (pary) zubchatye konicheskie s krugovym zubom s nominal'nym uglom naklona zuba 35° (MN 4449-63—MN 4478-63). Moskva, Izd-vo standartov, 1964. 123 p. (SSSR. Normali mashinostroeniia)

GEIGER-MULLER COUNTERS

Determination of pole figures by means of a Geiger counter. G. M. Vorob'ev Zav lab. 30 no 6 716-718 '64

GEKKEL', IAKOV MODESTOVICH, 1864-1945

By unbeaten tracks. N. Semenkevich. Kryl. rod. 15 no 5:26 My '64.

GENERALIZED SPACES see Spaces, Generalized

GENERALS—CORRESPONDENCE, REMINISCENCES, ETC.

Years and wars (continuation) A V. Gorbatov. Nov. mir 40 no 4 99-138 Ap '64

GENERATIVE ORGANS, FEMALE

Cytomorphological study of female gonads of the coelenterate Polypodium hydriforme. D. V. Raikova. TSitologiia 5 no. 4,391-403 Jl-Ag '63.

Ovarian hormones as an indispensable factor for mitosis of the epithelial cells of the reproductive organs. S. S. Laguchev, R. A. Kargina-Terent'eva. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:85-88 O '63.

Surgical treatment of pseudohemaphroditism in women M. V. Dubnov. Akush. i gin. 39 no. 5:134-136 S-O '63

GENERATIVE ORGANS, FEMALE—CANCER

Study of the effectiveness of various doses of 6-azauridine in malignant tumors of female genitalia. J. Musil and others. Vop. onk. 10 no. 3,62-66 '64.

GENERATIVE ORGANS, FEMALE—DISEASES

Total incidence (occurrence) of diseases of female sexual organs N I. Turoverova Zdrav Ros Feder 8 no. 1:18-22 Ja '64

GENERATIVE ORGANS, FEMALE—SURGERY

Content of catechol amines in the blood of patients during various periods of gynecological surgery under nitrous oxide anesthesia with muscle relaxants. V. I. Potanin. Akush. i gin. 40 no. 1:101-105 Ja-F '64.

GENERATIVE ORGANS, FEMALE—TUMORS

Case of a hematoma of the generative tract. L. P. Zagriadskaia. Akush. i gin. 39 no. 5:146 S-O '63.

GENERATIVE ORGANS, MALE—DISEASES

Single-stage plastic surgery on the skin of the scrotum and penis in Fournier's disease. V. V. Barkaev. Urologiia no. 1:57-59 '64.

GENERATIVE ORGANS, MALE—RADIOGRAPHY

Methodology and technique for the puncture of ductus deferens in genital radiography. N. F. Krivoshei, Urologiia no. 1:38-41 '64.

GENETICS

Certain problems concerning correlative variability and their significance for the theory of evolution and animal breeding. D. K. Beliaev. Izv. Sib. otd. AN SSSR no. 10: 111-124 '62.

Clinical and genealogical studies of the family of a patient with Thomsen's myotonia. V. N. Kliuchikov and others. Zhur. nevr. i psikh 63 no. 9:1313-1319 '63.

Physiological and mutagenic action of D_2O on Drosophila melanogaster. V. G. Tumanian, S. E. Shnol' Biofizika 8 no. 1:15-16 '63

Some problems of genetic control. D. K. Beliaev. Vest. AN SSSR 34 no. 6:58-60 Je '64

GENITOURINARY ORGANS—DISEASES

Frequency of urogenital trichomoniasis incidence in males. A. F. Anikin. Vest. derm. i ven. 38 no. 1:48-52 Ja '64.

GENISTA see subdivision under Georgia

GENOA—EXHIBITIONS

Facts refute fabrications. S. Efimov. Vnesh. torg. 44 no. 6:33-35 '64.

GENOA—MACHINERY INDUSTRY—EXHIBITIONS

Mechanized tunneling shield. M. Vasiun'kin, S. Korol'kov. Vnesh. torg. 44 no. 7:44-45 '64.

GENOA—VIOLIN—COMPETITIONS

Niccolo Paganini. Sov. muz. 28 no. 1:75-77 Ja '64.

GEOCHEMICAL PROSPECTING

Brodskii, A. A. [Fundamentals of hydrogeochemical prospecting methods for sulfide deposits] Osnovy gidrogeokhimicheskogo metoda poiskov sul'fidnykh mestorozhdenii. Moskva, Izd-vo "Nedra," 1964. 257 p (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no 12)

Methods of determining the background content of chemical elements during geochemical prospecting. S. V. Grigorian Razved i okh. nedr 30 no 2:26-30 F '64.

New methods of geochemical and hydraulic searching for ore deposits Peter Zentai. Razved. i okh nedr 30 no 2:62 '64

GEOCHEMISTRY

(see also subdivision under Daghestan, Soviet Central Asia; Uzbekistan)

Efendiev, G. Kh., R. A. Alekperov, and A. N. Nuriev. [Problems of the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baky, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 149 p.

Mineralizing action of hydrogen sulphide on the processes of siderite oxidation V. I. Kaurkovskii. Sbor nauch. trud KGRI no. 10,51-54 '61

GEODESY

Russia (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Instruction on the processing of topographic and geodesic works in geological surveying and prospecting] Instruktsiia po proizvodstvu topografo-geodezicheskikh rabot pri geologicheskoi s"emke i razvedke. Moskva, Izd-vo "Nedra," 1964 211 p.

Synchronous observations of the artificial earth satellite "Echo-1" for geodetic purposes. D. E Shchegolev, A G. Masevich, B G Afanas'ev Vest AN SSSR 34 no 7 71-77 Jl '64.

Zakatov, P. S. [Course in higher geodesy; spheroidal geodesy, theoretical geodesy, and the elements of gravimetry] Kurs vysshei geodezii; sferoidicheskaia geodeziia, teoreticheskaia geodeziia i osnovy gravimetrii. Izd. 3., dop. i ispr. Moskva, Izd-vo "Nedra," 1964. 503 p.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur.: Geod. nos. 8-9 Ag-S '64.

GEODESY—BIBLIOGRAPHY see Bibliography—Geodesy

GEODESY—CONGRESSES

Resolutions of the Thirteenth General Assembly of the International Geodetic and Geophysical Union held in Berkley (United States) in 1963. Geod i kart no. 5: 57-64 My '64.

GEODESY—PERIODICALS

On the "Geodesy and cartography" journal. K. A. Zvonarev. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no. 1:47-48 '61.

GEODESY—STUDY AND TEACHING see subdivision under Yugoslavia

GEODIMETRY

Determining the effective length of a light wave by geodimetric measurements. M. T. Prilepin, P. E. Lazanov, V. P. Petrov. Geod. i kart. no. 4:17-21 Ap '64.

GEOGRAPHICAL RESEARCH

(see also subdivision under United States)

Geography and economy. A. V. Korobov Izv. AN SSSR. Ser geog. no. 4:3-11 '64.

GEOGRAPHICAL SOCIETIES see subdivision under Siberia

GEOGRAPHICAL SOCIETIES—CONGRESSES

Remarkable tradition. P. M. Gorshkov. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no. 1:54 '61.

GEOGRAPHY

(see also subdivision under Kirghizistan; Perm Province; Siberia; Zaraysk region, Moscow Province)

Development of international relations in the field of geography and preparations for the 20th International Geographical Congress; report of the National Committee of Soviet Geographers. Izv. AN SSSR. Ser. geog. no. 4:23-34 '64

Interaction of nature and society and modern geography. F. V. Konstantinov Izv. AN SSSR. Ser. geog. no. 4:12-22 '64.

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog. no. 8 Ag '64.

GEOGRAPHY—STUDY AND TEACHING

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; geography] Programmy vos'miletnei shkoly; geografiia. Moskva, Prosveshchenie, 1964. 47 p.

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia [Secondary school problems for the school year 1964-1965; geography] Programmy srednei shkoly na 1964/65 uchebnyi god, geografiia Moskva, Prosveshchenie, 1964. 44 p.

GEOGRAPHY, ECONOMIC see subdivision 'Economic geography' under Germany, West; Gorno-Altai Autonomous Province, Kishinev; Siberia; Turkmenistan

GEOGRAPHY, ECONOMIC—STUDY AND TEACHING

Effect of the connection between subjects on the assimilation of subject matter. P. G. Kulagin. Vech. sred. shkola 7 no. 2 42-44 Mr-Ap '64.

GEOGRAPHY, POLITICAL

Countries of the world. Mezhdunar. zhizn' 11 no. 9:154-157 S '64.

GEOK-TEPE DISTRICT—HORTICULTURE

Economic efficiency of fruit, vegetable and vine crops growing on collective farms of the suburban zone. V. K. IAshvili Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. za 1963 g.:32-35

GEOLOGICAL MODELING

Comparison of amplitude curves developed on a waveguide model of the earth's mantle, and seismic data. IU V Riznichenko, O G Shamina Izv AN SSSR Ser geofiz no 8 1129-1141 Ag '64

Experimental study of the process of miscible drive from a flooded layer. P. I. Zabrodin. Trudy VNII no. 40:78-87 '63.

Investigation of petroleum displacement by solvents in a model of great length. P. I. Zabrodin, N. L. Rakovskii, M. D. Rozenberg. Nauch.-tekh. sbor. po dob. nefti no. 17:16-22 '62.

Methodology of discriminating PS waves in model studies. F V Lebedeva Izv AN SSSR. Ser geofiz no 8:1204-1205 Ag '64

Motion of mutually soluble fluids of varying viscosities in a linear model of a uniform layer. P. I. Zabrodin, N. L. Rakovskii, M. D. Rozenberg. Trudy VNII no. 40: 53-77 '63.

Regularities in the flooding of oil from reservoir rocks with compressed gases in a model reservoir. V. I. Sergeevich and others. Neft. khoz. 41 no. 2:29-35 F '63.

Small model investigation of the lessening of rock strength due to fracturing. N. A. Chemodanov. Zap. LGI 48 no. 1,61-63 '63

GEOLOGICAL RESEARCH

Development of the mineral resources of the Soviet Union and the tasks of science. A. V Sidorenko. Vest. AN SSSR 34 no 7:12-24 Jl '64

GEOLOGICAL SOCIETIES

Conference on the problem of the physical geography of the Ural Mountains. A. G. Chikishev. Biul. MOIP. Otd. geol. 38 no. 6:147-151 N-D '63.

GEOLOGICAL SURVEYS—COSTS

Estimated indices and actual cost. N. Antonov. Bukhg. uchet 20 no 12 31 D '63

GEOLOGICAL TIME

(see also subdivision under Aldan Plateau; Baltic Shield; Korzhintau Mountains; Sayan Mountains; Siberian Platform)

Determination of the absolute age of plagioclases by the method of birefringence comparative dispersion. Z. O. Chibukhchian. Dokl AN Arm. SSR 37 no. 4:227-230 '63.

GEOLOGY

(see also subdivision under Aldan Plateau; Altai Mountains; Angara Valley; Baikal Lake region; Baltic Shield; Bratsk District; Buryat A. S. S. R.; Chuya Valley; Dnieper Valley; Karelia; Katun' Valley; Kola Peninsula; Lithuania; Northern Baikal Highland; Patom Plateau; Sayan Mountains; Soviet Central Asia; Stanovoy Range; Ural Mountains; Yenisey Valley)

Important problems in geology; general meeting of the Department of Earth Sciences. Vest. AN SSSR 34 no. 7: 101-103 Jl '64

Natsional'nyi komitet geologov Sovetskogo Soiuza. [Pre-Cambrian geology] Geologiia dokembriia. Moskva, Nedra, 1964. 264 p. (Its: Doklady sovetskikh geologov, Problema 10)

Smirnova, M. N. [Principles of the geology of the U. S. S. R.] Osnovy geologii SSSR. Pod red. A. A. Bogdanova, Moskva, Vysshaia shkola, 1964. 433 p.

Work of the Geological Study Group of the Institute of Geology of the Academy of Sciences of the Turkmen S. S. R. IU. B. Aizenberg, I. IA. Davydov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 2:125-126 '63.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol. no. 8 Ag '64.

GEOLOGY—MAPS

[Methodological instructions on the use of radiometric methods [illegible] non. radioact [illegible] Metod. ukaz. po [illegible] ed. rud. ners [illegible]

Effect of indices of losses and depletion during development mining of deposits at the end boundaries of a strip mine. A. I. Arsent'ev, A. K. Polishchuk, IA. M. Adigamov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3: 9-14 '64.

GEOLOGY, ECONOMIC—GRAPHIC METHODS

Distribution curves of metal in ore bodies. Z. D. Nizguretskii. [Trudy] VNIMI no. 47:272-277 '62.

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Azov Sea region; Alaverdi region, Armenia; Badkhyz region, Baikal Lake region; Bel'bek Valley, Caucasus; Caucasus, Northern, Central Siberian Plateau; Daghestan; Don Valley; Georgia; Gori region; Italy; Kama Valley; Kamchatka; Kara Kum; Kola Peninsula, Kopetdag; Murgab Valley; Norio region; Olekma Valley, Yakutia; Onega Lake region; Sayan Mountains; Siberia, Western; Soviet Central Asia, Todzhen Valley, Tobol'sk region, Tyumen' Province; Tokko Valley; Ukraine, Ural Mountains; Volga Valley; Volgograd Province; White Russia; Yakutia; Zeravshan Range)

Minerogenetic habit of the Cenozoic era. N. A. Vykhover. Razved. i okh. nedr 30 no. 2:1-9 F '64.

GEOLOGY, STRATIGRAPHIC—CONGRESSES

Second Conference on the Problems of Stratigraphy and Periodization of the Paleolith. I. K. Ivanova. Biul. Kom. chetv. per. no. 29:198-199 '64.

GEOLOGY, STRUCTURAL

(see also subdivision under Albania; Aldan Plateau; Apsheron Peninsula; Araks Valley; Chu Depression; Dnieper Valley; Kazakhstan; Kobystan; Sayan Mountains; Siberian Platform; Soviet Far East; Stanovoy Range; Uglich region, Yaroslavl Province; Tien Shan)

Chebanenko, I. I. [Problems of the fold belts of the earth's crust in the light of block tectonics] Problema skladchatykh poiasov zemnoi kory v svete blokovoi tektoniki. Kiev, Izd-vo "Naukova dumka," 1964. 142 p. (Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy, no. 18)

Comparing the fractures of rocks and the tectonics of platform regions. V. K. Gromov. Trudy VNIGRI no. 228:241-248 '64.

Distribution of stresses in flexural strains of the earth's crust. G. S. Avakian. Izv. AN Arm. SSR Nauki o zem. 17 no. 2:29-35 '64.

Fracture tectonics of Dzhezkazgan mineral deposits and stability of blocks. M. T. Bakaev, A. I. Aiykov. Trudy Inst. gor. dela AN Kazakh. SSR 12:122-129 '63.

Information. Geol. nefti i gaza 7 no. 11:59-64 N '63.

Principles of tectonic regionalization in connection with oil and gas prospecting. IU. M. L'vovskii. Geol. nefti i gaza 7 no. 11:16-20 N '63.

Relation of the Russian Platform to the geosycline areas in the Pre-Cambrian. IU. A. Kosygin and others. Trudy Lab. geol. dokem. no. 19:111-117 '64.

Soveshchanie po problemam tektoniki. Moscow, 1963. [Problems of the comparative tectonics of ancient platforms; materials] Voprosy sravnitel'noi tektoniki drevnykh platform; materialy. Moskva, Nauka, 1964. 152 p.

GEOLOGY, STRUCTURAL—CONGRESSES

Soveshchanie po problemam tektoniki, Moscow, 1963. [Tectonics, igneous activity and distribution of ore deposits; materials] Tektonika, magmatizm i zakonomernosti razmeshcheniia rudnykh mestorozhdenii; materialy. Moskva, Nauka, 1964. 237 p.

GEOLOGY, STRUCTURAL—GRAPHIC METHODS

Comparison criteria for rose curves. L. D. Knoring, M. D. Belonin. Trudy VNIGRI no. 228:249-260 '64.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Arctic regions; White Sea region

GEOMETRICAL DRAWING—DICTIONARIES

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-English dictionary of terms in descriptive geometry and drawing] Kratkii russko-angliiskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 31 p.

GEOMETRY—PROBLEMS, EXERCISES, ETC.

Content of the geometry skills of students. Report No. 1. Setting up the auxiliary geometrical structures. A. K. Artemov. Izv. APN no. 129:47-52 '63.

GEOMETRY—STUDY AND TEACHING

Forming the generalized operations as a means of training students in the independent solving of geometrical problems. E. I. Mashbits. Izv. APN no. 129:73-78 '63.

GEOMETRY, ANALYTIC

Use of homology in converting two second-order curves into two circles. Z. A. Skopets. Izv. vys. ucheb. zav., mat. no. 2:139-143 '64.

GEOMETRY, DESCRIPTIVE

Ivanov, N. N., ed. [Album of models in descriptive geometry] Al'bom modelei po nachertatel'noi geometrii. [By] I. G. Vinitskii i dr. [Podol'sk] Vysshaia shkola, 1964. 135 p.

GEOMETRY, DESCRIPTIVE—DICTIONARIES

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-English dictionary of terms in descriptive geometry and drawing] Kratkii russko-angliiskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 31 p.

GEOMETRY, DIFFERENTIAL

Geometry in the large. IU. G. Reshetniak. Izv. Sib. otd. AN SSSR no. 10:25-37 '62.

Pseudolinear affinity. V. I. Vedernikov. Izv. vys. ucheb. zav., mat. no. 2:41-52 '64.

GEOMETRY, DIFFERENTIAL—PROJECTIVE

A centroaffine invariant class of complexes. L. I. Magazinnikov. Sib. mat. zhur. 5 no. 4:881-886 Jl-Ag '64.

Plane nets connected to a Cartan surface. V. T. Bazylev. Sib. mat. zhur. 5 no. 4:729-737 Jl-Ag '64.

GEOMETRY, NON-EUCLIDEAN

Application of semi-Riemannian geometry to unified field theory. R. I. Pimenov. Dokl. AN SSSR 157 no. 4:795-797 Ag '64.

Symmetric spaces determined by algebras. A. P. Shirokov. Izv. vys. ucheb. zav., mat. no. 6:159-171 '63.

GEOMETRY, PROJECTIVE

Pairs of Laplace P-sequences of n-dimensional projective space. V. V. Gol'dberg. Sib. mat. zhur. 5 no. 4:763-787 Jl-Ag '64.

A practicable method for finding dense packings of n-dimensional spheres. N. K. Ignat'ev. Sib. mat. zhur. 5 no. 4:815-819 Jl-Ag '64.

GEOMETRY, SOLID

Filling n-dimensional Euclidean spaces with equal spheres. Part I. E. P. Baranovskii. Izv. vys. ucheb. zav.; mat. no. 2:14-24 '64.

GEOMORPHOLOGY

(see also subdivision under Dnieper Valley; Lithuania)

Akademiia nauk SSSR. Geomorfologicheskaia komissiia. [Problems of planation surfaces] Problemy poverkhnostei vyravnivaniia. Moskva, Nauka, 1964. 221 p.

Geomorphological cycles. IU. F. Chemekov. Izv. AN SSSR Ser. geog. no. 4:136-141 '64.

GEOPHYSICS

Akademiia nauk SSSR. Institut fiziki Zemli. [Study of earth tides] Izuchenie zemnykh prilivov. Moskva, Nauka, 1964. 113 p.

Principals of paleogeothermal investigations. IU. K. Taranukha, M. M. Nikanorov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:3-4 '63.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz. nos. 8-9 Ag-S '64.

GEOPHYSICS—CONGRESSES

Results of the fifth All-Union Scientific and Technical Geophysical Conference. A. S. Shirokov. Razved. i okh. nedr 30 no. 2:63-64 F '64.

GEORGIA—ANTS

Study of species of the myrmecofauna (Formicidae) in the steppe zone of eastern Georgia. T. I. Zhizhilashvili. Soob. AN Gruz. SSR 33 no. 3:663-666 Mr '64.

GEORGIA—CHORAL SOCIETIES

Listening to a Georgian chorus. Liudmila Ermakova. Sov. muz. 28 no. 2:98-100 F '64.

GEORGIA—CITRUS FRUITS

Zorin, F. M., and I. L. Lavrilchuk. [Breeding and cultivation of citrus fruits in the northern part of the subtropics] Selektsiia i agrotekhnika tsitrusovykh na Severe subtropikov. Moskva, Izd-vo "Kolos," 1964. 231 p.
(DNAL)

GEORGIA—COMMUNIST PARTY OF THE SOVIET UNION

The Communist Party of Georgia in the building of socialism and communism. P. S. Kol'tsov, M. V. TSvertsvadze. Vop. ist. KPSS 8 no. 8:115-120 Ag '64.

GEORGIA—ECONOMIC CONDITIONS

The Communist Party of Georgia in the building of socialism and communism. P. S. Kol'tsov, M. V. TSvertsvadze. Vop. ist. KPSS 8 no. 8:115-120 Ag '64.

GEORGIA—FARM MECHANIZATION

Gruzinskii nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. [Problems in the mechanization of agricultural work on the mountain slopes of the Georgian S. S. R.] Problemy mekhanizatsii sel'skokhoziaistvennykh rabot na gornykh sklonakh Gruzinskoi SSR. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 75 p.
[MICROFILM]

GEORGIA—FELDSPAR

Authigenic feldspars in carbonate flysch of the Upper Racha. I. D. Chechelashvili. Soob. AN Gruz. SSR 33 no. 3:585-590 Mr '64.

GEORGIA—FLYSCH

Authigenic feldspars in carbonate flysch of the Upper Racha. I. D. Chechelashvili. Soob. AN Gruz. SSR 33 no. 3:585-590 Mr '64.

GEORGIA—FUNGI

New representatives of the mycoflora of Georgia. I. K. Murvanishvili. Soob. AN Gruz. SSR 33 no. 3:643-650 Mr '64.

GEORGIA—GENISTA

Special characteristics of the structure of the conducting system in the Georgian genistas. N. A. Aneli, A. IA. Shtromberg. Bot. zhur. 49 no. 7:1018-1022 Jl '64.

GEORGIA—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Lower Miocene sediments of Georgia. E. K. Vakhaniia. Izv. Geol. ob-va Gruz. 1 no. 1:17-69 '59.

GEORGIA—INSCRIPTIONS

Unknown inscription of the Emir of Dmanisi from the TSinezauri ravine. D. K. Berdzenishvili. Soob. AN Gruz. SSR 33 no. 3:745-752 Mr '64.

GEORGIA—IRON AND STEEL PLANTS—LABOR PRODUCTIVITY

Labor productivity and potentialities for its increase in Georgian Ferrous Metallurgy. I. Matsaberidze. Trudy GPI [Gruz.] no. 4:145-177 '62.

GEORGIA—MACHINERY INDUSTRY

First Georgian Scientific and Technical Conference on the Use of Plastics in the Machinery Manufacture of the Georgian S. S. R. IU. T. Lopatin. Plast. massy no. 2:77 '64.

GEORGIA—PALEONTOLOGY

Changes of the Lower Cretaceous fauna of Georgia in connection with geological history. M. S. Eristavi. Izv. Geol. ob-va Gruz. 1 no. 1:71-92 '59.

GEORGIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Scientific ties of Batum botanists. Vest. AN SSSR 34 no. 7:121 Jl '64.

GEORGIA—TUFFITES

New materials on "lower tuffites" in the Shrosha-Narula belt. A. L. Kanchaveli. Soob. AN Gruz. SSR 33 no. 3:591-595 Mr '64.

GEPP, VIKTOR

Bun'kov, S. I. [It suited the boy at that time...; a documentary tale] Shel parnishke v tu poru...; dokumental'naia povest'. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 95 p.
(CSt-H)

GERDT, ELIZAVETA PAVLOVNA

Outstanding teacher of classical dancing. Teatr 24 no. 12:102 D '63.

GERIATRICS

Acute appendicitis in senile and old age. M. E. Komakhidze, G. B. Bochorishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:241-251 '63.

Kas'ianenko, I. V. [Diseases of the digestive organs in elderly persons] Bolezni organov pishchevareniia u lits pozhilogo vozrasta. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1964. 35 p.
(DNLM)

Physiological characteristics of the neuromuscular apparatus in aged persons. F. I. Hryshko, S. V. Lytovchenko. Fiziol. zhur. 10 no. 1:31-37 '64.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—MOOD

Methods of work on the conjunctive. F. M. Mering. Uch. zap. Tadzh. un. 21. Trudy Kaf. inostr. iaz. no. 1:123-126 '59.

GERMAN LANGUAGE—STUDY AND TEACHING

Applying the method of teaching oral German speech without translations. L. P. Nenasheva. Rad. shk. 42 no. 4:98-103 Ap '64.

"Introductory course of the German language" by M. N. Sheper. Vech. sred. shkola 7 no. 2:66 Mr-Ap '64.

Methods of teaching the translation of special texts. K. D. TSivina. Uch. zap. Tadzh. un. 21. Trudy Kaf. inostr. iaz. no. 1:117-122 '59.

GERMAN LANGUAGE—TECHNICAL GERMAN

Methods of teaching the translation of special texts. K. D. TSivina. Uch. zap. Tadzh. un. 21. Trudy Kaf. inostr. iaz. no. 1:117-122 '59.

GERMAN PERIODICALS

New periodicals of the Academy of Agricultural Sciences of the German Democratic Republic. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1:45-46 '57.

GERMAN REUNIFICATION QUESTION (1949-)

Bonn, the West, and the German question. IA. Shavrov. Mezhdunar. zhizn' 11 no. 9:20-27 S '64.

GERMANE

Synthesis of carbofunctional compounds of germanium based on chloromethyltrimethylgermane. V.F.Mironov, A.L.Kravchenko, A.D.Petrov. Izv.AN SSSR.Ser.khim no 7:1209-1215 Jl '64.

GERMANIUM

Causes of the variation in the content of germanium in different types of coal. L.IA.Kizil'shtein. Dokl.AN SSSR 157 no.4:879-881 Ag '64.

GERMANIUM—ANALYSIS

Determination of germanium in coal and its combustion products. I.A.Adamenko. Izv.Sib.otd.AN SSSR no.8:65-71 '62.

Germanium in coals of the weathering zone. S.N. Blatchenko, V.I.Alekhina, D M.Lisin. Izv.Sib.otd. AN SSSR no.7:100-103 '62.

GERMANIUM-ANTIMONY ALLOYS—ANALYSIS

Polarographic determination of cadmium admixtures in In-Sb and Ga-Sb alloys. N.S.Gertseva. Trudy Inst. met. no.14:251-254 '63.

GERMANIUM COMPOUNDS

Action of $HGe(C_2H_5)_3$ on diacetylene glycols in the presence of H_2PtCl_6. I.M.Gverdtsiteli, M.A.Buachidze. Dokl.AN SSSR 158 no.1,147-150 S-O '64.

Germanium arsenate. K.A.Avduevskaia, I.V.Tananaev, V.S.Mironova. Dokl.AN SSSR 157 no.4:904-906 Ag '64.

Spectrophotometric study of a compound of germanium with N,N'-di-(2-hydroxy-5-sulfophenyl)-cyanophormasan. V.F.Vozisova, V.N.Podchainova. Zhur.anal. khim. 19 no.5:640-642 '64.

GERMANIUM CRYSTALS

Some characteristics of the iodide crystallization process. G.A.Kurov. Kristallografiia 8 no.2:297-298 Mr-Ap '63.

GERMANIUM CRYSTALS—GROWTH

Crystallization of a film between parallel growing germanium dendrites. V.N.Maslov and others. Rost krist. 4:95-100 '64.

Growth of epitaxial germanium films due to supercooled germanium droplets. N.N.Sheftal' and others. Rost krist. 4:15-21 '64.

Shapes of growth of germanium and silicon crystals grown from a gaseous solution. Rost krist. 4:122-124 '64.

Twin structure of germanium dendritic bands. V.N. Maslov and others. Rost krist. 4:113-116 '64.

GERMANIUM-INDIUM ALLOYS—ELECTRIC PROPERTIES

Investigating solubility and the coefficient of distribution in multicomponent systems. M.S.Saidov. Fiz.met i metalloved 17 no.5:795-797 My '64.

GERMANIUM ORGANIC COMPOUNDS

Synthesis of carbofunctional compounds of germanium based on chloromethyltrimethylgermane. V.F.Mironov, A.L.Kravchenko, A.D.Petrov. Izv.AN SSSR Ser.khim. no.7:1209-1215 Jl '64.

Use of gas-liquid chromatography in the analysis of halogen-containing organosilicon and organogermanium compounds. A.D.Snegova, L.K.Markov, V.A.Ponomarenko. Zhur.anal.khim. 19 no.5:610-614 '64.

GERMANIUM ORGANIC COMPOUNDS—SPECTRA

Proton magnetic resonance spectra of some metallo-organic compounds of silicon and germanium. A.N. Egorochkin and others. Izv.AN SSSR.Ser.khim. no.7:1312-1313 Jl '64.

GERMANY—ARMY—BIOGRAPHY

Memoirs of General Mueller; book review. A.Bykhovskii. Nov.vrem 22 no.32:28-30 Ag '64.

GERMANY—CAPITALISM

State monopoly capitalism in Germany, 1918-1945. S.I. Tiul'panov, A.A.Demin. Vest.LGU 19 no.11:136-143 '64.

GERMANY—COMMUNISM

Documents from the history of the German labor movement during the period of the First International. Vop. ist.KPSS 8 no.9:67-80 S '64.

GERMANY—FOREIGN RELATIONS—RUMANIA

"Economic, military and political aggression of German imperialism in Rumania, 1936-1941" by A.A.Sheviakov Reviewed by V.L.Israelian. Vop.ist. 39 no.7:148-150 Jl '64.

GERMANY—FOREIGN RELATIONS—RUSSIA

"From Brest to Kiel; failure of the anti-Soviet policy of German imperialism in 1918" by A.Akhtamzian. Reviewed by IA.S.Orabkin. Vop.ist 39 no.7:151-153 Jl '64.

GERMANY—HISTORIOGRAPHY

Berthold, Werner. ["...Starve and obey"; historigraphy at the service of German imperialism. Translated from the German] "...Golodat' i povinovat'sia"; istoriografiia na sluzhbe germanskogo imperializma. Moskva, "Mysl'," 1964. 295 p.
(IaU)

GERMANY—MILITARY POLICY

German fascist military doctrine. Voen.-ist.zhur 5 no.4:79-88 Ap '63.

GERMANY—REFUGEES, RUSSIAN—POLITICAL ACTIVITIES

"Russian social democrats in Berlin, 1895-1914, with an account of the student movement in Russia and Saxony" [in German] by B.Brachmann Reviewed by E.N Petrunin. Vop.ist 39 no 7,174-176 Jl '64

GERMANY—SOCIALISM

"Russian social democrats in Berlin, 1895-1914, with an account of the student movement in Russia and Saxony" [in German] by B Brachmann Reviewed by E N Petrunin Vop ist 39 no 7 173-176 Jl '64

GERMANY—TRUSTS, INDUSTRIAL

State monopoly capitalism in Germany, 1918-1945. S.I. Tiul'panov, A.A Demin. Vest.LGU 19 no.11:136-143 '64.

GERMANY, EAST—ACCOUNTING

Organization of accounting for goods sold on credit in the German Democratic Republic G Mikhailova Bukhg uchet 20 no 12;64-65 D '63

GERMANY, EAST—AERONAUTICS, COMMERCIAL

From a reporter's point of view K.Eierman Grazhd av 21 no 6 30 Je '64

GERMANY, EAST—COMMUNIST PARTY—PERIODICALS

Review of foreign history-party journals. Vop.ist.KPSS 8 no.9:143-144 S '64.

GERMANY, EAST—ECONOMIC CONDITIONS

Victorius step of laboring Germany. V.Belyshev. Mezhdunar.zhizn' 11 no.9.143-144 S '64.

GERMANY, EAST—INSTALLMENT PLAN

Organization of accounting for goods sold on credit in the German Democratic Republic. G.Mikhailova. Bukhg uchet 20 no.12·64-65 D '63

GERMANY, EAST—MOTION PICTURES, DOCUMENTARY

Reading through pages of history; on motion-picture journalism. Bor. Medvedev. Nov.mir 40 no.2: 198-216 F '64.

Talent of a publicist. N.Mikoian. Sov muz. 28 no 1 90-98 Ja '64.

GERMANY, EAST—PHYSIOLOGY—RESEARCH

Physiological Institute of the K.Marx University in Leipzig (German Democratic Republic). G.G.Demirchoglian. Izv. AN Arm.SSR.Biol.nauki 17 no.2:101-104 F '64.

GERMANY, WEST—AGRICULTURAL POLICY

The antipeasant agricultural policy of the government of the Federal Republic of Germany. I.Trotsenko Ekon sel'khoz 35 no.6:103-108 Je '64

GERMANY, WEST—AUTOMOBILE INDUSTRY

Expansion of the West-German automobile monopolies. M.Klement'ev. Mezhdunar.zhizn' 11 no.9:152-153 S '64.

GERMANY, WEST—CAPITALISM

Investigation of an important problem. I.Sergeeva. Mir.ekon.i mezhdunar.otn. no.8:149-151 '64.

GERMANY, WEST—ECONOMIC CONDITIONS

Structural movements in the economy of the German Federal Republic. V.Kotov. Mir.ekon.i mezhdunar. otn. no.8:28-39 '64.

GERMANY, WEST—ECONOMIC GEOGRAPHY—MAPS

Planning atlas of the German Federal Republic. A.V. Il'ina. Izv.Vses.geog.ob-va 96 no 3 264-266 My-Je '64.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—CAMEROON

Bonn on a river of shrimp. I.Ol'ginskii. Az.i Afr.seg. 8 no.7·20-21 Jl '64.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—TANGANYIKA

Along old trails. B Ol'gin Az.i Afr.seg. 8 no.7:53-54 Jl '64

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

False gilding tarnishes. V.Popov. Az.i Afr.seg. 8 no.6·24-25 Je '64.

GERMANY, WEST—FOREIGN RELATIONS

Political ring in Bonn. V.Mulin. Mezhdunar.zhizn' 11 no.9:126-127 S '64.

GERMANY, WEST—FOREIGN RELATIONS—EUROPE, EASTERN

Behind the scenes of Bonn's "eastern policy." Leo Stern. Nov.vrem. 22 no.31,18-20 Jl '64.

GERMANY, WEST—FOREIGN RELATIONS—FRANCE

Bonn arithmetic; letter from the German Federal Republic. A.Grigor'iants. Nov.vrem. 21 no.29,24-25 Jl '64

GERMANY, WEST—GOVERNMENT OWNERSHIP

Investigation of an important problem I.Sergeeva Mir.ekon i mezhdunar otn. no.8:149-151 '64

GERMANY, WEST—INDUSTRIES

Structural movements in the economy of the German Federal Republic. V.Kotov. Mir.ekon.i mezhdunar otn. no 8:28-39 '64.

GERMANY, WEST—KNITTING MACHINES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [New knitting machines of the German Federal Republic] Novye trikotazhnye mashiny FRG. Moskva, 1963 49 p (Seriia III. Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 68)
[MICROFILM]

GERMANY, WEST—MUSIC

The tragedy of West German culture A Melikhar Sov muz 28 no.2·128-131 F '64

GERMANY, WEST—POLITICS AND GOVERNMENT

Political ring in Bonn V.Mulin. Mezhdunar.zhizn' 11 no.9:126-127 S '64.

GERMANY, WEST—RADIOLOGY, MEDICAL—PERIODICALS

Brief survey of a German journal of roentgenology and nuclear medicine for 1962. S.S.Shifrin. Med.rad. 8 no.12 70-77 D '63.

GERMANY, WEST—STEAM TURBINES

Special structural features of modern steam turbines manufactured by the "AEG" firm. Sh.M Linetskii Energomashinostroenie 10 no 5 46-48 My '64

GERMANY, WEST—TELEVISION

Lomozova, N.Z., and G M.Kurbakova. [Black and white television receivers in the U.S.A and the German Federal Republic; survey of network and design calculations] Televizionnye priemniki cherno-belogo izobrazheniia SShA i FRG; obzor skhemnykh i konstruktivnykh reshenii. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Biblioteka "Televizionnyi priem," no. 14)

GERMINATION

Effect of root and caryopsis excretions in common hair grass on the shoots and germination of birch and fir seeds. T.I.Golomedova. Nauch.dokl.vys.shkoly, biol.nauki no.3.119-126 '64.

Effect of the products of microbial metabolites on the energy of seed germination. IU M.Vozniakovskaia, U.S.Nurzhanov Agrobiologiia no 1 89-95 Ja-F '64

Germinating capacity of graded cottonseed. IA.Durdyev. Biul.nauch.-tekh.inform.Turk.nauch.-issl.inst.zem. za 1963 g.:29-31

Germination of the seeds of Schisandra chinensis. A.A. Titlianov, N.V.Konechnaia. Mat.k izuch zhen'.i drug. lek.rast Dal'.Vost. no.5:271-279 '63.

Methods for determining the germinative capacity of brewing barley. S.P.Stashko, V.E.Samoilova, G.F. Ipatova. Trudy TSentr.nauch.-issl.inst.piv.,bezalk. i vin.prom. no.10.31-37 '63.

GIARDIASIS

Elimination of Lamblia with furazolidone. C.L.Lenkauskaite. Med.paraz.i paraz.bol. 32 no.4:414-415 Jl-Ag '63.

GIBBERELLIN

Effect of gibberellin on the growth and development of gramineous and leguminous plants. F S Pervukhin, M.M Smirniagina Izv Sib.otd AN SSSR no 9·101-105 '62

Effect of gibberellin on the growth and yield of common meadow mushrooms (Agaricus campestris). F.A. Aleksandrov. Bot.zhur. 49 no.7:1056-1057 Jl '64.

GINETSINSKII, ALEKSANDR GRIGOR'EVICH, 1895-1962

In memory of Aleksandr Grigor'evich Ginetsinskii. N.A.Verzhbitskaia. Vop.med.khim. 9 no.2:221-222 Mr-Ap '63.

GINSENG
(see also subdivision under Sikhote-Alin Range)

Anatomic and microchemical characteristics of the roots of ginseng from geographically distant regions. I.S. Andreeva. Mat.k izuch.zhen'.i drug.lek.rast.Dal'. Vost. no.5:63-67 '63.

Biological standardization of galenicals from the roots of ginseng. M.A.Grinevich. Mat.k izuch.zhen'.i drug.lek rast.Dal'.Vost. no.5:99-103 '63.

Comparative data on the effect of ginseng and Eleutherococcus on artificially raised level of blood sugar. I.I. Brekhman, T.P.Oleinikova. Mat.k izuch.zhen'.i drug. lek.rast.Dal'.Vost. no.5:249-251 '63.

Comparative data on the pharmacological effect of the roots of ginseng, Eleutherococcus, Echinopanax horridus and Aralia mandshurica. I.I.Brekhman, Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5·219-227 '63.

Comparative effect of the extracts of ginseng and carline thistle on the duration of forced swimming of white mice. V.E.Kolla, E.E.Balen'kii. Mat.k izuch.zhen'. i drug.lek.rast.Dal'.Vost. no.5:115-117 '63.

GINSENG (Continued)

Dynamics of the reserve substances of ginseng during the vegetative period. I.S.Andreeva. Mat.k izuch.zhen' i drug.lek.rast.Dal'.Vost no.5:45-52 '63

Effect of caffeine, ginseng and dibazol on the work of proofreaders. E.E.Belen'kii. Mat.k izuch.zhen'.i drug.lek rast.Dal'.Vost. no.5:105-110 '63.

Effect of extractions from the roots of ginseng on protozoans and yeast fungi. K.I.Gavrilov Mat.k izuch zhen' i drug lek rast. Dal' Vost. no 5:153-155 '63

Effect of fluid extracts of the roots of ginseng and Eleutherococcus on dark adaptation and visual acuity. M.V.Shchichenkov. Mat.k izuch zhen' i drug.lek. rast.Dal'.Vost no 5 241-244 '63

Effect of ginseng and Eleutherococcus on basal metabolism. I V Dardymov. Mat.k izuch,zhen'.i drug.lek rast.Dal'.Vost. no 5:245-246 '63.

Effect of ginseng and Eleutherococcus on the indices of the work of radiotelegraph operators M.A.Medvedev. Mat.k izuch.zhen' i drug.lek.rast Dal'.Vost. no.5 237-240 '63.

Effect of ginseng and the long-leaf carline thistle on Sechenov's inhibition. E E.Belen'kii, V.E.Kolla, I P. Startseva. Mat.k izuch zhen'.i drug.lek.rast Dal' Vost. no.5 133-135 '63.

Effect of ginseng on the development of experimental atherosclerosis in rabbits. M.K.Mirushkin. Mat.k izuch.zhen' i drug.lek.rast.Dal'.Vost. no.5:143-147 '63.

Effect of light of different intensity on the growth, development, productivity and photosynthetic activity of ginseng. P.P.Vorob'eva. Mat.k izuch zhen' i drug lek.rast.Dal'.Vost. no.5:75-87 '63.

Effect of the fluid extract from the roots of ginseng and phenamine on dynamic accommodation N.A.Golikov Mat.k izuch,zhen'.i drug.lek rast.Dal'.Vost. no.5: 111-114 '63.

Effect of the fluid extract from the roots of ginseng on the level of arterial pressure in healthy people. I P. Goncharenko. Mat.k izuch.zhen'.i drug.lek.rast.Dal' Vost. no.5:149-151 '63.

Effect of tinctures of the roots, stems and leaves of Eleutherococcus and ginseng on the mental work of man; a proofreading test. P P.Golikov. Mat.k izuch. zhen'.i drug.lek.rast Dal'.Vost. no 5 233-235 '63.

Effect of various growth conditions on the development of ginseng and on the biological activity of its root. M A.Grinevich, Z.I Gutnikova, P.P.Vorob'eva. Mat. k izuch.zhen',i drug,lek.rast.Dal'.Vost. no.5:89-97 '63.

The family Araliaceae and some biological characteristics of its representatives. I V.Grushvitskii. Mat.k izuch.zhen'.i drug.lek rast.Dal'.Vost. no.5:173-191 '63.

Fluid extract from ginseng in a compound treatment of paradentosis. V.F.Pavlishchuk. Mat.k izuch.zhen'. i drug.lek.rast.Dal' Vost. no.5:163-166 '63.

Gutnikova, Z. I., P. P. Vorob'eva, and I. A. Bunkina. [Ginseng and its cultivation] Zhen'shen' i ego vozdelyvanie. Vladivostok, Primorskoe knizhnoe izd-vo, 1963, 123 p.
(DNAL)

Implantation of the surface shoots and leaves of ginseng. M.K.Grushvitskaia, I.V.Grushvitskii, Z.I.Gutnikova. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5: 39-43 '63.

Increasing the resistance of the nervous system of white mice to the inhibitive effect of sodium bromide by the administration of ginseng, dibazol and carline thistle. E.E Belen'kii, V.E.Kolla. Mat.k izuch.zhen',i drug. lek.rast.Dal'.Vost. no.5:119-122 '63.

Pharmacognostic study of plants of the ginseng family. Report No 2. N.I.Suprunov. Mat.k izuch.zhen'.i drug.lek.rast,Dal'.Vost. no.5:193-200 '63.

Plants of the ginseng family as medicinal raw material. N.I.Suprunov. Mat.k izuch.zhen'.i drug,lek.rast. Dal'.Vost. no.5:201-209 '63.

Preliminary report on the results of the introduction of ginseng into the Zakataly National Forest of Azerbaijan S.S.R. M.P.Efendiev. Mat.k izuch.zhen'.i drug.lek. rast.Dal'.Vost. no.5:69-70 '63.

Range of ginseng cultivation. Z.I.Gutnikova. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5:53-62 '63.

Resistance-forming effect of ginseng, dibazol and proserine. M.A.Rozin. Mat.k izuch,zhen'.i drug.lek. rast.Dal'.Vost. no.5:123-128 '63.

Some problems of the agrotechnics of ginseng on a plantation with artificial plant shading. P.P.Vorob'eva. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5: 29-37 '63.

Therapeutic effect of ginseng in chronic radiation sickness in white rats. V.A.Matiukhin, G.M.Matanskii. Mat.k izuch.zhen',i drug.lek.rast.Dal'.Vost. no.5: 137-141 '63.

Treatment of functional sexual disorders in men by the use of ginseng. IA.Z.Ginzburg. Mat.k izuch.zhen' i drug lek.rast.Dal'.Vost. no.5:157-162 '63.

GINSENG—DISEASES AND PESTS see subdivision under Maritime Territory

GINSENG—TOXICOLOGY

Case of poisoning with a tincture from the roots of ginseng. S.K.Udalov. Mat.k izuch.zhen',i drug.lek. rast.Dal'.Vost. no.5:167-169 '63.

GIRDERS see Beams and girders

GISSAR RANGE—FAULTS (GEOLOGY)

Marginal deep fault in the southwestern Gissar Range (southern Tien Shan) A V. Pokrovskii Uzb geol zhur 7 no 6.52-57 '63.

GISSAR RANGE—FOREST INSECTS

Degtiareva, V. I. [Main lepidopteran pests of trees and shrubs in the Gissar Range and the Gissar Valley] Glavneishie vrednye cheshuekrylye drevesno-kustarnikovoi rastitel'nosti TSentral'noi chasti Gissarskogo khrebta i Gissarskoi doliny)Lepidoptera). Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 240 p.
(DNAL)

GISSAR RANGE REGION—GAS, NATURAL—GEOLOGY

Some data on the fracturing of the rocks of the Upper Jurassic carbonate formation in the Gaurdak uplift M.Kh. Arifdzhanov, P U. Akhmedov. Uzb geol zhur 7 no 6:83-90 '63.

GISSAR RANGE REGION—PETROLEUM GEOLOGY

Some data on the fracturing of the rocks of the Upper Jurassic carbonate formation in the Gaurdak uplift. M.Kh. Arifdzhanov, P U. Akhmedov. Uzb geol.zhur 7 no.6 83-90 '63

GISSAR VALLEY—FOREST INSECTS

Degtiareva, V. I. [Main lepidopteran pests of trees and shrubs in the Gissar Range and the Gissar Valley] Glavneishie vrednye cheshuekrylye drevesno-kustarnikovoi rastitel'nosti TSentral'noi chasti Gissarskogo khrebta i Gissarskoi doliny)(Lepidoptera). Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 240 p.
(DNAL)

GLACIAL EPOCH see subdivision under Balkhash Lake region; Scandinavia; Uglich region (Yaroslavl Province)

GLACIOLOGY

Development of the antiglaciation theory in recent years. I.G.Pidoplichko. Prirod.obst.i fauny prosh no 1:102-118 '63.

Life of the glacier and its ablation. V.G Konovalov Izv.Vses.geog ob-va 96 no 3 234-239 My-Je '64.

GLADILIN, ANATOLII TIKHONOVICH

Material and method. I. Solov'eva. Nov.mir. 39 no.4 258-262 Ap '63.

GLADIOLUS

Daily variation of the optical properties of gladiolus. V S. Sokolova Trudy Inst.bot AN Kazakh.SSR 16:194-203 '63.

Effect of microelements on the growth, development and yield of gladioli. N.S.Vasil'eva. Vestsi AN BSSR. Ser.biial.nav. no.4:48-53 '63

GLANDS, DUCTLESS see Endocrine glands

GLASS

(see also subdivision under Kutkashen District)

Intensifying the quenching stresses in glass for the purpose of further hardening. I A.Boguslavskii, F.F.Vitman, O I Pukhlik. Dokl AN SSSR 157 no 1 87-90 Jl '64.

Structure of inorganic glasses; all-Union conferences in Leningrad. N A.Toropov Vest.AN SSSR 34 no.7:110-111 Jl '64.

GLASS—ELECTRIC PROPERTIES

Dependence between the development of bonds in silicate melts and the dielectric properties of glasses obtained. A.I.Avgustinik, I.S.TSuranova. Zhur.fiz.khim. 36 no.3:606-611 Mr '62.

Electric conductance of fused alkali-borate and alkali-silicate glasses. K.A.Kostanian. Izv.AN Arm.SSR. Khim.nauki 16 no.1:3-12 '63.

Electric conductance of glasses of the system Na_2O - B_2O_3 - SiO_2 in the fused state K.A. Kostonian, L.M. Aveitsian. Izv AN Arm.SSR.Khim. nauki 16 no.2:117-124 '63.

Thermally stimulated current in vitreous $Tl_2SeAs_2Te_3$. A.M.Andriesh, B.T.Kolomiets. Izv.AN SSSR.Ser. fiz. 28 no.8:1291-1292 Ag '64.

GLASS—THERMAL PROPERTIES

Variation in the heat conductivity of glass in the system SiO_2 - Li_2O - Al_2O_3 - ZrO_2 during crystallization. B I Fondymakin, F G.Solinov Teplofiz.vys.temp 2 no.3:397-400 My-Je '64.

GLASS CONTAINERS

Kotliar, A. E. [Manufacture of glass containers] Proizvodstvo stekliannoi tary. Moskva, Izd-vo "Legkaia industriia," 1964. 358 p.

GLASS ELECTRODES see Electrodes, Glass

GLASS FIBERS—TESTING

Dilatometric method for analyzing the processes taking place in the charge during heating. O.O Alent'ev, O.A.M'iasnikov. Khim prom.(Ukr.) no.3:28-29 Jl-S '63.

GLASS FURNACES

Producing expanded perlite in furnaces with fluidized beds A.I.Polinkovskaia, O.A.Chernov, I IA.Abramov. Sbor.trud.ROSNIIMS no.25,63-71 '62.

GLASS REINFORCED PLASTICS

Al'shits, I. M. [Polyester glass reinforced plastics for shipbuilding] Poliefirnye stekloplastiki dlia sudostroeniia. Leningrad, Izd-vo "Sudostroenie," 1964. 286 p.

Effect of shear on Young's modulus of glass textolite specimens in transverse bend. IU.M Khishchenko. Zav.lab. 30 no 6.747-749 '64.

Estimating the strength of glass reinforced plastics on oriented, crossed and disoriented warps. E S Uman'skyi. Dop AN URSR no.8:1038-1042 '64.

Unsaturated polyglycolmaleic resins modified by anthracene. S.I.Omel'chenko and others. Plast.massy no.2: 17-19 '64.

GLASS RESEARCH

Binding energy, ionization and electroconductivity modulus of vitreous semiconducting compounds of variable composition. R.L.Miuller. Izv.AN SSSR Ser fiz. 28 no.8:1279-1282 Ag '64.

Crystallization of sodium silicate glasses at high temperatures. V.A.Florinskaia and others. Zhur.fiz.khim. 38 no.2:472-477 F '64.

Devising the methods of research on superstrong glasses. I.A.Boguslavskii, O.I.Pukhlik. Dokl.AN SSSR 156 no.6:1424-1427 Je '64.

Electroconductivity of As_2Te_3 type vitreous semiconductors. A.I.Gubanov, T.F.Mazets. Izv.AN SSSR.Ser. fiz. 28 no.8:1276-1278 Ag '64.

Hydroxy chalcogenide glasses. V.P.Shilo, B.T.Kolomiets. Izv.AN SSSR.Ser.fiz 28 no.8:1285-1287 Ag '64.

Investigation of the viscosity and fusibility of some volcanic glass containing water. I.N.IAvits. Sbor.trud. ROSNIIMS no.25,54-62 '62.

Measurement of the mobility of current carriers in vitreous chalcogenide semiconductors. E.B.Ivkin, B.T.Kolomiets, E.A.Lebedev. Izv AN SSSR.Ser.fiz. 28 no.8:1288-1290 Ag '64.

Structure of semiconducting glasses of the systems Se - As and Se - Ge. S.V.Nemilov. Izv AN SSSR. Ser.fiz. 28 no.8:1283-1284 Ag '64.

Voltammetric characteristics of positive sodium ion transport through the interface electrolyte - sodium glass - vacuum [with summary in English]. V.I. Danilkin, V.A.Ivanov. Zhur.fiz.khim. 38 no.2:290-294 F '64.

GLASSWORKERS see subdivision under Ashkhabad

GLAUCOMA

Effect of phosphorus organic antiglaucomatous preparations on peripheral vessels. I.D.Neklesova, N.E. Piontak. Farm.i toks. 25 no.6:725-731 N-D '62.

GLIDING AND SOARING

(see also subdivision under Kaunas)

Impartial umpiring. D.Dvoenosov. Kryl.rod. 15 no.5: 18-19 My '64.

GLIERE, REINHOLD MORITSEVICH, 1875-1956—BIBLIOGRAPHY see Bibliography—Gliere, Reinhold Moritsevich, 1875-1956

GLOBULIN

Effect of pantothenic acid and a mixture of globulins and histamine in experimental gastric ulcer. P.Georgiu, D.Doblescu. Farm.i toks. 26 no.2:225-227 Mr-Ap '63.

GLUCOPYRANOSE

Analogs of uridine diphosphate glucose in the reaction with dehydrogenase of uridine diphosphate α-D-glucopyranose. N.D.Gabrieltan, A.V.Venkina. Dokl.AN SSSR 156 no.6:1379-1381 Je '64.

GLUCOSE PHOSPHATES

Analogs of coenzymes of carbohydrate metabolism. Report No.4: Synthesis of 6-azauridine diphosphate glucose. E.I.Budovskii and others. Izv.AN SSSR.Ser. khim. no.7:1236-1241 Jl '64.

GLUCOSIDES

Aralosides A,B and C from Aralia elata. A.IA.Khorlin, L.V.Bakinovskii, V.E.Vas'kovskii. Izv.AN SSSR.Ser. khim. no.7:1336-1340 Jl '64.

GLUE

Glue, an insulator. Kh.Gadel'shin. Tekh.i vooruzh. no.3:68-69 Mr '64.

GLUTAMINE

Disorders of glutamine synthesis and amidation of brain proteins in vitamin C deficiency. I.M.Zalesskaia, E.E.Martinson, L.I.Tiakhepyl'd. Vop.pit. 23 no.1: 17-21 Ja-F '64.

Effect of vitamin C on the synthesis of glutamine and [illegible] M Z[illegible]skaia, [illegible] no.3: [illegible]

N[illegible] in the [illegible] lida [illegible]

GLUTARIC ACID

Effect of the sources of carbon on the biosynthesis of α-ketoglutaric acid in cultures of Pseudomonas fluorescens V N Shaposhnikov and others Dokl AN SSSR 157 no 1 180-182 Jl '64.

GLYCEROL

Some properties of glycerol teichoic acids isolated from Actinomyces rimosus T-118 and Actinomyces antibioticus 39 I B Naumova, M Sh Zaretskaia Dokl. AN SSSR 157 no 1:207-210 Jl '64

GLYCIDOL

Reactions of diglycide ether with dialkylphosphoryl chlorides. A.N.Pudovik, E.M.Faizullin, E.Kh. Mukhametzianova. Zhur.ob.khim. 34 no.7:2471-2472 Jl '64.

GLYCINE

Redox potentials of p-hydroxyphenylglycine at varying pH values. IA. M. Veprik, G. P. Faerman. Zhur. fiz. khim. 36 no.3,502-507 Mr '62.

Stability of complex compounds of lanthanum, praseodymium and neodymium with glycocoll I. M. Batiaev, S. V. Larionov Izv. Sib otd AN SSSR no. 12;69-74 '62.

GLYCOCHOLIC ACID

Cadmium glycocholate A. I. Pozigun. Nauch. ezhegod. Khim fak. Od un. no. 2·34-36 '61.

GLYCOGEN

Histochemical characteristics of glycogen and acid mucopolysaccharides in tuberculous nodules and exudative foci S.S.Kasab'ian. Probl.tub. 42 no.1; 69-73 '64.

Histochemical characteristics of postembryonal histogenesis in the heart of the white rat A F. Sukhanov, D. V Vinogradova Arkh. anat gist. i embr 45 no 11 62-65 N '63

GLYCOLS

Action of $HGe(C_2H_5)_3$ on diacetylene glycols in the presence of H_2PtCl_6. I. M. Gverdtsiteli, M. A. Buachidze. Dokl. AN SSSR 158 no. 1 147-150 S-O '64.

Heterochain polyesters. Report No.56: Mixed block polyarylates based on polyethylene oxide, diatomic phenols, and aromatic dicarboxylic acid chlorides. S.V.Vinogradova, V.V.Korshak, G.Sh.Papava. Izv. AN SSSR.Ser.khim no 7:1296-1302 Jl '64.

GLYCOPROTEINS

Changes in some glycoprotein components of blood serum in lymphogranulomatosis. N.Z.Piradashvili. Trudy Inst.eksp.i klin.khir i gemat.AN Gruz.SSR 11;220-232 '63.

GLYCOSIDASES

Alpha-1,6-dextran glycosidase in human organs. A. S. Saenko. Probl.gemat.i perel.krovi 8 no.8;57-59 Ag '63.

GLYCOSIDES

Glycosides from the plants of the genus Erysimum. Part 5: Structure of gypsobioside. R.N.Tursunova, N.K.Abubakirov. Zhur.ob.khim. 34 no.7;2449-2455 Jl '64.

A new class of natural glycosides. IU.A.Zhdanov. Usp. sovr.biol. 55 no.2;192-190 Mr-Ap '63.

GLYCOSIDES, CARDIAC see Cardiac glycosides

GOAT BREEDING see subdivision under Kazakhstan

GOBIES see subdivision under Azov, Sea of

GOITER

(see also subdivision under Amur Province; Tatar A. S. S. R.; White Russia)

Aberrant goiters simulating tumorous diseases. M. Kh. Atrapetian. Vop. rent. i onk. 7:321-325 '63.

Dietary factor and endemic goiter. A. L. Shtenberg, IU. I. Okorokova, IU. N. Eremin. Usp. sovr. biol. 55 no. 2:255-276 Mr-Ap '63.

Effect of predominant carbohydrate nutrition in iodine deficiency associated with some functional stresses on the development of experimental goiter. A.I. Shteberg, I.A.Kusevitskii. Vop.pit. 23 no.1;43-51 Ja-F '64.

Study of histopathomorphology of goiter. P.V.TSereteli. Soob.AN Gruz.SSR 33 no.3;737-744 Mr '64.

GOLD—ANALYSIS

Amperometric titration of gold by an unithiol solution. O. A. Songina, Kh. K. Ospanov, Z. B. Rozhdestvenskaia. Zav. lab. 30 no. 6:664-667 '64.

Mechanism of the formation of potential on a platinum electrode in the reduction of gold by sulfite. B. I. Peshchesvitskii, V. P. Kazakov. Izv. Sib. otd. AN SSSR no. 9:65-70 '62.

GOLD ISOTOPES—THERAPEUTIC USE

Treatment of cancer of the urinary bladder with radioactive gold. Vaclav Pačes. Urologiia no.1;42-45 '64.

GOLD MINES AND MINING

(see also subdivision under Kuznetsk Alatau)

Soviet gold. A. Voronov. Nov. vrem. 22 no. 31;25-26 Jl '64.

GOLD-NICKEL ALLOYS see Nickel-gold alloys

GOLD ORES see subdivision under Armenia

GOLDFISH see subdivision under White Russia

GOLDSMITH, OLIVER, 1728-1774

Inger, A. G [Problems of dramaturgy and the theater in the early works of Goldsmith] Voprosy dramaturgii i teatra v rannem tvorchestve Gol'dsmita. Chita, 1962. 28 p. (Chita. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski, no. 9)

GOLGI APPARATUS

Current concepts on the structure and functions of the Golgi apparatus. I. B Tokin. Arkh. anat., gist. i embr. 45 no. 12;3-22 D '63.

GOLODNAYA STEPPE—SOILS—ZINC CONTENT

Zinc and its forms in the virgin and long-irrigated soils of the Golodnaya Steppe and in cotton plants. E.K. Kruglova. Pochvovedenie no.7;75-79 Jl '64.

GOMEL'—COMMUNIST PARTY OF THE SOVIET UNION

Party group or Party organization? Part.zhizn' no.15: 58-59 Ag '64.

GOMEL' DISTRICT—CIVIL DEFENSE

Our movie lecturing bureau. V.Shuvalov. Voen.znan. 40 no.7;27 Jl '64.

GOMPHOCARPUS see subdivision under Apsheron Peninsula

GONADOTROPIN

Using prolan (chorionic gonadotropin) for promoting multiparity in sheep. A. L. Paducheva, A. A. Molchanova. Trudy VIZH 25;216-220 '63.

GONIOMETRY

Chord-goniometric table. O. D. Boldyrev. Geod. i kart. no. 5;26-28 My '64.

GONORRHEA

Surgical treatment of inflammatory tumors of the uterine adnexa. A. L. Ozerianskaia Akush i gin 39 no. 5;117-120 S-O '63.

GOOD AND EVIL

The good, duty, and conscience L. M. Arkhangel'skii. Vop filos 18 no. 6·69-79 '64

GORI REGION—GEOLOGY, STRATIGRAPHIC

Boundary problems of the Oligocene and Miocene in the Gori-Norio region. I. V. Kacharava. Izv. Geol ob-va Gruz. 1 no. 1;3-15 '59

GORKI LENINSKIYE REGION—SOIL FERTILITY

Fertility of composted areas. E. F. Berezova, T A. Sorokina, T. A. Kochunova. Agrobiologiia no. 1;37-40 Ja-F '64.

GOR'KII, MAKSIM, 1868-1936

A. M. Gor'kii on the expert commission of the People's Commissariat of Foreign Trade. Nov. mir 39 no. 4; 247-250 Ap '63

Gor'kii and his correspondents, from the correspondence of Gor'kii with Soviet writers. IU. IUzovskii Nov. mir. 39 no. 12;200-214 D '63.

"The history of the village," A. M. Gor'kii's remarkable undertaking. L. M. Zak. Vop. arkh. 8 no. 3;35-38 Jl-S '63.

In memory of A. M. Gor'kii. A. A Tarasova. Vest. AN SSSR 34 no 6,114-115 Je '64.

GORKIY—AUTOMOBILE INDUSTRY

When work becomes creative activity. N. Kozlov, A. Mandrugin NTO 6 no. 5;34-37 My '64.

GORKIY—EXCAVATING MACHINERY

Toward a cherished goal. N. Shevchenko. NTO 5 no. 12· 13-14 D '63.

GORKIY—MACHINERY INDUSTRY—VOCATIONAL GUIDANCE

Care and attention to young workers. V. N. Klepikov, A. Mirgaleev. Mashinostroitel' no. 7;8-10 Jl '64.

GORKIY—MUSIC FESTIVALS

Gorkiy is a city of music festivals. G. Inozemtseva. Oktiabr' 40 no. 4;190-192 Ap '64.

GORKIY PROVINCE—AGRICULTURAL ADMINISTRATION

Central figure of the party committee apparatus. I. Pronin. Part. zhizn' no. 12;31-35 Je '64.

GORKIY PROVINCE—BIOGRAPHY

[For the fatherland, freedom and honor! Sketches on Heroes of the Soviet Union, natives of Gorkiy] Za otchiznu, svobodu i chest'! Ocherki o Geroiakh Sovetskogo Soiuza-gor'kovchanakh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo.

Book 2. 1964. 367 p.

GORKIY PROVINCE—YEAST AS FEED

A valuable suggestion of the workers. IA. Smorodin. Part. zhizn' no. 15:44 Ag '64.

GORLOVKA (DONETSK PROVINCE)—DRUGSTORES

How we are struggling for the right to be called a collective of communist work N M Honcharenko Farmatsev. zhur. 18 no 5·68-70 '63.

GORNO-ALTAI AUTONOMOUS PROVINCE—ECONOMIC GEOGRAPHY

Gorno-Altaysk. Pedagogicheskii institut. [Gorno-Altai Autonomous Province; a short regional study manual] Gorno-Altaiskaia avtonomnaia oblast'; kratkii kraevedcheskii spravochnik. Gorno-Altaisk, Gorno-Altaiskoe obl. knizhnoe izd-vo, 1963. 121 p.

GOVERNMENT OWNERSHIP see subdivision under Germany, West

GRADING (EARTHWORK)

Incline grading with additional straightedge. A. G. Bystrov Transp stroi 14 no 1 44-47 Ja '64

GRAFTING

Controlled nutrition of grapevine ovaries for the development of new forms. Iordan K Ivanov. Agrobiologiia no 1;69-76 Ja-F '64

Metabolism in peaches grafted on different stocks. K. S. Harnaha, F L. Lesyk. Dop. AN URSR no. 8;1104-1107 '64.

GRAFTON, CHARLES CHAPMAN, Bishop of the Protestant Episcopal Church in the U. S. A., 1830-1912

History of a visit. V. Rozhkov. Zhur Mosk. Patr. no 6 60-63 '64.

GRAIN

Endemic lodging of cereal plants. V. V Koval'skii, M K. Maslianaia. Agrokhimiia no. 1 93-109 Ja '64

Estimating the agrometeorological conditions of the autumn vegetation of winter crops. M. S. Kulik. Meteor. i gidrol. no. 8;16-22 Ag '64.

Koz'mina, E. P. [Technological characteristics of groats and pulse crops] Tekhnologicheskie svoistva krupianykh i zernobobovykh kul'tur. Moskva, TSINTI GOSKOMZAGA, 1963. 293 p.

[DNAL MICROFILM]

There will be three million poods of grain instead of the past one million. T. Tret'iakov. Zakup sel'khoz prod *no. 1;12-13 Ja '64*

GRAIN—CLEANING

Stirring up a layer of loose material under the action of vibration R N Volik. Nauch. trudy SibVIM no. 1;114-127 '63

Studying the process of the motion of grain in a screw-type cleaner V G Ivanov Nauch. trudy SibVIM no. 1 100-113 '63

GRAIN—FERTILIZERS AND MANURES

(see also subdivision under Siberia, Western)

Distribution of mineral fertilizers under grain crops. P. G. Naidin Agrokhimiia no. 1 23-30 Ja '64.

"Fertilizing grain and pulse crops" by P. G. Naidin. Reviewed by L. L. Balashev Agrokhimiia no. 1·142 Ja '64

GRAIN—PRICES see subdivision under European Economic Community Countries

GRAIN—TRANSPORTATION

Efficient method for grain loading. V. A. IUrevich, G. A Stolbukha. Zhel. dor. transp. 46 no. 1:71-72 Je '64.

GRAIN ELEVATORS—DESIGN AND CONSTRUCTION

Satarov, S. N., and V. A. Gaidar. [New developments in the construction of elevators and granaries] Novoe v stroitel'stve elevatorov i zernoskladov. Alma-Ata, Kazgosizdat, 1964. 150 p.

GRAIN TRADE

(see also subdivision under Kazakhstan)

New developments in government purchases. K. Khludeev, G. Vladimirov. Zakup sel'khoz. prod. no. 1:61-62 Ja '64.

Soviet import of grain. E. A. Glovinskii. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:44-54 N-D '63.

GRAMINEAE

Differences in shoot development between annual and perennial Gramineae. A. K. Fedorov. Bot. zhur. 49 no. 7;974-979 Jl '64.

Opening of flowers and the lengthening of the stamen filaments in Gramineae. V. A. Bannikova. Bot. zhur. 49 no. 5;735-739 My '64.

GRAMMAR, COMPARATIVE AND GENERAL

Qualitative and quantitative analysis of grammatical phenomena. V. G. Admoni. Vop. iaz. 12 no. 4:57-63 Jl-Ag '63.

GRAMMAR, COMPARATIVE AND GENERAL—ARTICLE

Problem of the article. J. Kramskiy. Vop. iaz. 12 no. 4;14-26 Jl-Ag '63.

GRAMMAR, COMPARATIVE AND GENERAL—SYNTAX

Czechoslovak works of recent years on problems of communicative functions of the sentence. O. A. Lapteva. Vop. iaz. 12 no. 4;120-127 Jl-Ag '63.

Enrique Granados. M. Vaisburd. Sov. muz. 28 no. 2: 118-123 F '64.

GRANARIES—DESIGN AND CONSTRUCTION

Satarov, S. N., and V. A. Gaidar. [New developments in the construction of elevators and granaries] Novoe v stroitel'stve elevatorov i zernoskladov. Alma-Ata, Kazgosizdat, 1964. 150 p.

GRANITE

(see also subdivision under Azov Sea region; Kazakhstan; Tukuringra Range region)

Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. [Albitized and greisenized granites, a new prospective type of rare element deposits] Al'bitizirovannye i greizenizirovannye granity - novyi perspektivnyi tip mestorozhdenii redkikh elementov. Moskva, 1961. 33 p.
[MICROFILM]

Some physicochemical and geological conditions governing the formation of granite magma. V. A. Maslenikov. Trudy Lab. geol. dokem. no. 19:239-250 '64.

GRANULAR MATERIALS

Change of lateral pressure according to the condition of the loose material. P. E. IUdin. Zap. LGI 48 no. 1 28-31 '63.

Coefficient of static friction and coal and rock movement, using the Kizel Basin as an example P. A Ivanov Izv. vys. ucheb. zav ; gor. zhur 7 no 3:126-128 '64

Determining the critical velocity of a fluidized polydispersed bed of granular material V N Petrov. Izv vys ucheb. zav , neft' i gaz 5 no. 10:53-59 '62

Friction factor for granular materials. I. G. Fadeev, N. N. Egorov, P. I. Luk'ianov. Khim. i tekh. topl. i masel 9 no. 4:10-13 Ap '64.

Investigating the preheating of granular materials in large-capacity open-hearth furnaces T. G Sabirzianov, E. V. Abrosimov, A. I. Moiseenko. Stal' 23 no. 4,318-319 Ap '64.

Shape of the outflow of loose materials. V R. Bezukh and others Sbor nauch. trud KGRI no 23 36-39 '63.

GRANULOMA BENIGNUM

Raben, A. S. [Sarcoidosis, clinical aspects, pathological anatomy, etiology and treatment] Sarkoidoz, klinika, patologicheskaia anatomiia, etiologiia i lechenie. Moskva, Meditsina, 1964. 309 p.
(DNLM)

GRAPES

(see also subdivision under Bulgaria, Trans-Ili Alatau)

Biological characteristics of the growth and fruiting of grapes. A. D. Matiashvili Agrobiologiia no. 1:96-100 Ja-F '64.

GRAPES—FERTILIZERS AND MANURES see subdivision under Armenia

GRAPHIC ARTS

Karetnikova, I. A., and M. A. Klimova. [Graphic artists; in brief about the graphic arts] Khudozhniki-grafiki, korotko ob iskusstve grafiki. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 14)

GRAPHIC METHODS

Determining the parameters of the distribution curves by three reference points (quantiles), testing the straightening of the curves on the corresponding graphs G. A Alekseev. Meteor i gidrol. no 6 18-26 Je '64.

Graphic determination of the speed of the submergence and rise of drilled-out rock particles depending on the quantity and quality of the drilling fluid. G. V. Gabuniia, G. E. Karasik. Azerb. neft khoz. 42 no. 6,18-20 Je '63.

GRAPHITE

Properties of the surface of a freshly cleft graphite. Part 4. N. N. Dobrovol'skii and others. Zhur. fiz. khim. 38 no. 2;506-509 F '64.

GRASSES

Effect of gibberellin on the growth and development of gramineous and leguminous plants. F S Pervukhin, M. M Smirniagina. Izv. Sib otd AN SSSR no 9:101-105 '62

Ensilage perennial grasses. N. V. Kolesnikov Zemledelie 26 no. 6;78-79 Je '64.

Methods of studying the longevity of roots in meadow grasses. N. K Tatarinova Bot. zhur 49 no 5 678-681 My '64

GRAVIMETER (GEOPHYSICAL INSTRUMENT)—TESTING

Determining damping characteristics of nautical gravimeters. G. D. Marchuk. Soob. GAISH no. 135:30-42 '64.

GRAVIMETRY

(see also subdivision under Vilyuy Lowland)

Effect of the irregularity of ship rolling on the precision of acceleration recording in gravity measurements. V. L. Panteleev. Soob. GAISH no. 135:19-29 '64.

Gravity field of the Antarctide and the isostasy A. I. Frolov Soob. GAISH no. 135 43-57 '64.

Theory of the determination of gravity constant by means of torsional vibrations of a beam with weights. M. U. Sagitov. Soob. GAISH no. 135:3-18 '64

Zakatov, P. S. [Course in higher geodesy; spheroidal geodesy, theoretical geodesy, and the elements of gravimetry] Kurs vysshei geodezii; sferoidicheskaia geodeziia, teoreticheskaia geodeziia i osnovy gravimetrii Izd 3., dop. i ispr. Moskva, Izd-vo "Nedra," 1964. 503 p.

GRAVITATION

Determining the trajectory of a body from the secondary derivatives of the potential. V P. Chulkov-Eidman Izv. vys ucheb. zav. ; geod. i aerof no. 5:95-97 '63

Gravitational stability of some classes of nonhomogeneous media. L. M. Ozernoi Soob. GAISH no 133 19-27 '64

Invariant description of gravitation waves. V D. Zakharov. Soob. GAISH no. 131:42-58 '64

Motion of a disc in a Newtonian field of force. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 28 no. 4:759-760 Jl-Ag '64.

R and T regions in space and time with a spherically symmetrical space. I. D. Novikov Soob. GAISH no. 132:3-42 '64

Solution of equations of the gravitational field by the "falling box" method. M. M. Mirianashvili, M. S. Gobedzhishvili. Soob. AN Gruz. SSR 33 no. 3:543-548 Mr '64

Some properties of the spherically symmetrical space concomitant with the matter. I. D. Novikov. Soob. GAISH no 132:43-69 '64.

Staniukovich, K. P., and S. M. Kolesnikov. [Gravitation] Gravitatsiia. Moskva, Izd-vo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia. Fizika, matematika, astronomiia, no. 15)

GRAVITY

Calculating the values of the second vertical potential derivative from the field of the first derivative O M Raspopov Izv. AN SSSR. Ser. geofiz no 8.1213-1220 Ag '64

GRAVITY ANOMALIES

Calculation of the plan of anomalous magnetic and gravitational fields and the determination of the horizontal dimensions of disturbing bodies. S Blinstrubas. Trudy AN Lit. SSR. Ser. B no. 1.85-96 '62.

Recalculating gravity anomalies into anomalies of the vertical gravity gradient K M. Kartvelishvili Izv AN SSSR. Ser. geofiz. no 8 1171-1177 Ag '64

GRAVITY PROSPECTING

Use of a computer in solving a direct problem in gravity prospecting E G Bulakh, S. V Konstantinov. Izv. AN SSSR. Ser geofiz. no 8 1221-1222 Ag '64.

GRAZING see subdivision under Komi A. S. S. R.

GREAT BRITAIN—COMMERCE—RUSSIA

M V Nesterov on trade with Great Britain; interview. Nov vrem 21 no 29 23 Jl '64

Old positions are reconsidered. E. Selikhov. Vnesh. torg. 44 no. 6:52-54 '64.

The term of agreement is extended. Vnesh. torg. 44 no. 7:20 '64.

Trade agreements of the U. S. S. R. Vnesh. torg. 44 no. 7:56 '64

GREAT BRITAIN—COMMERCE—SINKIANG

British and Russian commerce with Sinkiang during the first half of the 19th century. V. S. Kuznetsov. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6:20-30 '64.

GREAT BRITAIN—COOPERATIVE SOCIETIES

One hundred thirty years later. Pat Sloane. Sov. potreb. koop. 8 no. 5:62-64 My '64.

GREAT BRITAIN—CRANES, DERRICKS, ETC.

British automotive cranes. R. I. Gogunov. Mekh. i avtom. proizv. 18 no. 1:48-50 Ja '64.

GREAT BRITAIN—DIPLOMATIC AND CONSULAR SERVICE

Petrov, VI. [Diplomacy of Downing Street] Diplomatiia Dauning-strita. Moskva, IMO, 1964. 278 p.

GREAT BRITAIN—ELECTIONS

The English electoral system. J. Riordan. Mezhdunar. zhizn' 11 no. 9:149-151 S '64.

GREAT BRITAIN—FOREIGN RELATIONS

Everything changes, even in England. Boris Izakov. Nov. mir 40 no 4:171-196 Ap '64.

Petrov, VI. [Diplomacy of Downing Street] Diplomatiia Dauning-strita. Moskva, IMO, 1964. 278 p.

GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA

Our commentary. Nov. vrem. 22 no. 32:3-4 Ag '64.

GREAT BRITAIN—FOREIGN RELATIONS—UNITED STATES

Collaboration or rivalry. V. Poliakov. Mezhdunar. zhizn' 11 no. 9:138-140 S '64.

Pozdeeva, L. V. [Anglo-American relations during the Second World War, 1939-1941] Anglo-amerikanskie otnosheniia v gody Vtoroi Mirovoi voiny, 1939-1941 gg. Moskva, Izd-vo "Nauka," 1964. 452 p.

GREAT BRITAIN—ION EXCHANGERS

Production of ion exchanging substances in England. E. B. Hrekova. Khim. prom. [Ukr.] no. 3,88-90 Jl-S '63.

GREAT BRITAIN—MUSICIANS—SALARIES, PENSIONS, ETC.

What worries the second oboist? Sov muz 28 no 1:127-128 Ja '64

GREAT BRITAIN—PHYTOGEOGRAPHY—MAPS

Atlas of the geographical distribution of plants on the British Isles. A. K. Skvortsov. Biul. MOIP. Otd biol. 68 no. 3,145-147 My-Je '63

GREAT BRITAIN—POLITICS AND GOVERNMENT

Discords in the Conservatives' camp N. Stepanova. Mir. ekon. i mezhdunar. otn. no. 8:102-109 '64.

GREAT BRITAIN—SOCIAL CONDITIONS

Everything changes, even in England Boris Izakov Nov. mir 40 no 4 171-196 Ap '64.

GREAT BRITAIN—TANKS (MILITARY SCIENCE)

Foreign military news. Voen. vest. 43 no. 4;120-121 Ap '64.

GREECE—ARCHAEOLOGY, UNDERWATER

Underwater archaeological expedition along the shores of Greece L. P Marinovich. Vop ist 39 no. 7,201 Jl '64

GREECE—FOREIGN RELATIONS

New success of the democratic forces. V. Kondrat'ev. Mezhdunar. zhizn' 11 no 9.127-128 S '64

GREECE—LOCAL ELECTIONS

New success of the democratic forces. V. Kondrat'ev. Mezhdunar. zhizn' 11 no. 9:127-128 S '64.

GREECE—POLITICS AND GOVERNMENT

Manolis Glezos on the Greek political situation Nov. vrem 22 no. 31,13-14 Jl '64

GREENHOUSE MANAGEMENT

Effect of the training of the cucumber vine and the space arrangement of plants on the cucumber yield in greenhouses. B. S Kamsarakan. Izv. AN Arm. SSR. Biol. nauki 15- no. 12;45-51 D '62.

GREENLAND—ECONOMIC CONDITIONS

Greenland today. V. Pokhlebkin. Mir. ekon. i mezhdunar. otn. no. 8:131-135 '64.

GREENLAND—FISHERIES

Some results of fishery development in the Davis Strait region O. A Barkov. Mat. rybokhoz issl Sev. bas no. 1:21-22 '63.

GREENLAND SEA—OCEAN TEMPERATURE

Temperature regime of the Norwegian and Greenland Sea. L. V. Khmelevskaia. Trudy Inst. okean 72 167-177 '63

GREEN'S FUNCTIONS

Method of finding Green's functions in boundary value problems of the heat conductivity equation for a line segment with uniformly moving boundaries. V. I. Kval'vasser, IA. F. Rutner. Dokl. AN SSSR 156 no. 6: 1273-1276 Je '64.

Renormalization of a quasi-potential equation for a system of two particles. R. N. Faustov. Dokl. AN SSSR 156 no. 6;1329-1332 Je '64.

GRIMM, JAKOB LUDWIG KARL, 1785-1863

On the 100th anniversary of the death of Jakob Grimm. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1:79-81 Ja-F '64.

GRINDING AND POLISHING

Cleaning and finishing the surface of stainless steel strip and sheet. V. G. Ledkov, R. I. Markov Stal' 23 no. 4:343-345 Ap '64.

Eliminating defects in grinding, cutting-tools made of R 18 steel. V. I. Sagalov. Trudy Ural. politekh. inst. no. 129:26-31 '63.

Green light to diamond grinding. A. S Lerner. Mashinostroitel' no. 6:33-34 Je '64.

Kurul'kov, V. A. [Grinding of heat-resistant alloys] Shlifovanie zharoprochnykh splavov. Moskva, Mashinostroenie, 1964. 190 p.

Vakser, D. B. [Means for increasing the efficiency of abrasive tools in grinding] Puti povysheniia proizvoditel'nosti abrazivnogo instrumenta pri shlifovanii. Moskva, Mashinostroenie, 1964. 121 p.

GRINDING WHEELS

Emery wheel equipment for the cleaning of ingots. E. I. Dorokhin, V. M. Zharkov. Metallurg 9 no. 7:30 Jl '64.

GRINDING WHEELS (Continued)

Gurevich, A.S. [Equipment for the production of abrasive tools] Oborudovanie dlia proizvodstva abrazivnykh instrumentov. Moskva, Izd-vo "Mashinostroenie," 1964. 259 p.

Vakser, D.B. [Means for increasing the efficiency of abrasive tools in grinding] Puti povysheniia proizvoditel'nosti abrazivnogo instrumenta pri shlifovanii. Moskva, Mashinostroenie, 1964. 121 p.

GRIPPE see Influenza

GRODNO PROVINCE—COOPERATIVE SOCIETIES—FINANCE

Planning the turnover of goods and profit in a consumers' cooperative. V Vernigor. Fin.SSSR 38 no 6:53-57 Je '64

GROSSEVICHA BAY—ALGAE

Distribution of algae in the littoral of the Grossevicha Bay (Sea of Japan) V B Vozzhinskaia Bot zhur. 49 no. 5 712-714 My '64.

GROUND-CUSHION PHENOMENON

Adasinskii, S.A. [Air-cushion vehicles] Transportnye mashiny na vozdushnoi podushke. Moskva, Izd-vo "Nauka," 1964. 105 p. (Nauchno-populiarnaia seriia)

GROUND-EFFECT MACHINES

Adasinskii, S.A. [Air-cushion vehicles] Transportnye mashiny na vozdushnoi podushke. Moskva, Izd-vo "Nauka," 1964. 105 p. (Nauchno-populiarnaia seriia)

GROUNDSEL

Alkaloids of the groundsel Senecio racemosus M.B M P Khmel'. Farmatsev. zhur 16 no.1 35-39 '61

GROUPS, THEORY OF

Axiomatic character of almost monotone ordered semigroups. N.E. Domoshnitskaia. Sib.mat.zhur. 5 no.4 804-814 Jl-Ag '64.

Chunikhin, S.A. [Subgroups of finite groups] Podgruppy konechnykh grupp. Minsk, Izd-vo "Nauka i tekhnika," 1964. 157 p.

A class of topological semigroups on a direct product. N.I. Ogurtsov Sib.mat.zhur. 5 no.4,887-890 Jl-Ag '64.

Existence of subgroups in a finite insolvable group. IA.G. Berkovich. Dokl.AN SSSR 156 no.6:1255-1257 Je '64.

External multiplication systems with periodic and complete components M.M. Lesokhin. Izv.vys. ucheb.zav , mat no 2:94-99 '64

Factorization of groups by composition subgroups. Sh.S. Kemkhadze. Sib.mat.zhur. 5 no.4:838-843 Jl-Ag '64.

Foliation in codimension one. S.P. Novikov. Dokl.AN SSSR 157 no.4:788-790 Ag '64.

Generalized solvable groups. M.I. Kargapolov. Alg.i log. 2 no.5,19-28 '63.

Group connectivities of absolute parallelism realizable on hypersurfaces of an affine space. A.K. Rybnikov. Vest.Mosk.un.Ser.1: Mat.,mekh. 19 no.4:30-41 Jl-Ag '64.

Groups close to Engel's groups. A.I. Shirshov. Alg.i log. 2 no.5 6-18 '63.

Groups generated by nilpotent and ZA-subgroups. Sh.S. Kemkhadze. Sib.mat.zhur. 5 no.4:827-837 Jl-Ag '64.

Groups of automatic one-to-one mappings. V.P. Zarovnyi. Dokl.AN SSSR 156 no.6:1266-1269 Je '64.

Groups with extremum classes of conjugated elements. IA.D. Polovitskii. Sib.mat.zhur. 5 no.4:891-895 Jl-Ag '64.

Hypersolvable and nilpotent subgroups of simple algebras. A.E. Zalesskii. Dokl.AN BSSR 7 no.12:800-802 D '63.

Involutory semigroups of complete binary relations. B.M. Shain. Dokl.AN SSSR 156 no.6:1300-1303 Je '64.

One criterion of the finiteness of the rank of a nilpotent torsionless group. G.F. Bachurin. Izv.vys.ucheb.zav.; mat. no.6:25-28 '63.

Ordering groups. M.I. Kargapolov. Alg.i log. 2 no.6: 5-14 '63.

Solution of the isomorphism problem for a class of semigroups. E.I. Grindlinger. Sib.mat.zhur. 5 no.4: 788-792 Jl-Ag '64.

Some theorems on finite groups with a given number of classes of noninvariant conjugate πd-groups. V.P. Gromyko. Dokl.AN BSSR 7 no.12:797-799 D '63.

Structure of finite insoluble groups whose variance equals four. IA.G. Berkovich. Dokl.AN BSSR 8 no.2:85-86 F '64.

Structure of the energy zones of current carriers in crystals of the $Cd_3N_2(Th^7)$ type. M.V. Tarnavs'ka. Ukr.fiz zhur. 8 no.9:981-986 S '63.

Tensor functions of a polar and axial vector that are compatible with the textural symmetry. IU.I. Sirotin. Prikl.mat.i mekh. 28 no.4:653-663 Jl-Ag '64.

Theory of generalized solvable and generalized nilpotent groups. IU.I. Merzliakov. Alg.i log 2 no.5:29-36 '63.

Theory of ordering groups. A.I Kokorin. Alg.i log. 2 no.6:15-20 '63

Transitive representations by transformations of semigroups of a certain class. I.S. Ponizovskii. Sib.mat. zhur. 5 no.4 896-903 Jl-Ag '64

GROUTING

Method of liquidating absorption zones in small diameter boreholes. I.A Kapustin. Razved.i okh.nedr 30 no.2,49-50 F '64.

GROWTH (PLANTS)

Differences in shoot development between annual and perennial Gramineae. A.K. Fedorov. Bot.zhur. 49 no.7:974-978 Jl '64.

Some data on the development of the onion Allium proliferum Schrad. ex Willd E.I. Burdonov Bot zhur 49 no 5 707-709 My '64

GROWTH PROMOTING SUBSTANCES

Effect of growth promoting preparations on the root formation of grapevine cuttings. M.M. Sarkisova. Dokl.AN Arm.SSR 39 no.1:53-59 '64

Growth promoting substance of petroleum origin as a factor helping to improve the quality of water microflora research. M.Ganiev, S.S.Efendiev, F.A.Kurbanova. Dokl AN Azerb.SSR 20 no.5:75-79 '64.

GUAIACOL

Nitration of model lignin compounds; 1-veratryl-3-propanol and 1-guaiacyl-3-propanol. L.L.Sergeeva, N.N.Shorygina, B.V.Lopatin. Izv.AN SSSR.Ser.khim no.7:1254-1260 Jl '64

GUANIDINE

Reactions of dicyanodiamide with acetaldehyde and chloral. A.E.Kretov, G.V.Tikhonova. Zhur.ob.khim 34 no.7:2428-2430 Jl '64.

GUIDED MISSILE SHIPS

Commander of a launcher. N.Belous. Starsh.-serzh no.7:2-3 Jl '64.

Rockets on boats G.Ternovskii Starsh.-serzh no 7: 4-5 Jl '64

GUILT (LAW)

Malkhazov, I.I. [Important safeguard of socialist justice] Vazhnaia garantiia sotsialisticheskogo pravosudiia. Rostov-na-Donu, Rostovskii-na-Donu gos. univ., 1961. 51 p.

[MICROFILM]

GUINEA—MALARIA

Nosogeography and epidemiology of transmissible and parasitic diseases in the Republic of Guinea; based on data compiled from 1959 to 1961. Report No.2: Malaria; its incidence among visitors from the U.S.S.R. and some other countries. L.S.IArotskii. Med.paraz.i paraz.bol. 32 no.4:436-442 Jl-Ag '63.

GUMS AND RESINS

Abietic acid content of various types of resinous matter. F.A.Mednikov, E.V.Ushkova. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:134-136 '63.

Quality of rosin obtained from stem resins. B.S.Filippov, A.E.Sosnin. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:145-148 '63.

Viscosity of concentrated soap pastes of disproportionated rosin A.V.Khoroshin, F.S.Shenderovich, M S.Nemtsov. Kauch.i rez 23 no.7,21-23 Jl '64.

GUNITE

Concreting domes and shell by wet guniting. M IA.Kantor, S.A.Voitovich. Transp.stroi 14 no.1 29-31 Ja '64.

GUNNERY

Field training of rocket gunners and artillerymen. I.San'ko. Voen.vest. 44 no.7:77-80 Jl '64.

Preparation of a 23 mm. subcaliber barrel and a coaxial machine gun for firing. A.Ovcharov. Voen. vest. 44 no.7:101-103 Jl '64.

Without the assistance of topographers G.Shanev. Starsh.-serzh. no.7 23 Jl '64.

GUR'EV, VIKTOR PAVLOVICH, 1901-1964

V.P.Gur'ev; obituary. Izv.vys.ucheb.zav ; energ. 7 no.7:113-114 Jl '64.

GUR'YEV PROVINCE—GYPSUM

Vegetation as an indicator of gypsum accumulation in the sands of the Karyn-Yaryk Depression. S.V Viktorov. Izv.AN SSSR.Ser.geog. no.4:111-114 '64.

GUR'YEV PROVINCE—INDICATOR PLANTS

Vegetation as an indicator of gypsum accumulation in the sands of the Karyn-Yaryk Depression. S.V.Viktorov. Izv.AN SSSR.Ser.geog. no.4:111-114 '64.

GYMNASTICS

Continuity in the teaching of gymnastic exercises. A.N. Martovskii. Teor.i prak.fiz.kul't. 27 no.4:69-72 Ap '64

GYMNASTICS, MEDICAL see Exercise therapy

GYNECOLOGY

(see also subdivision under Moscow Province)

Combined method of staining gynecological biopsies. I.V.Pervozvanskaia. Akush.i gin. 40 no.1:142-143 Ja-F '64.

Use of adrenal cortex preparations in the treatment of inflammatory diseases of the internal female genitalia. E.G.Mostalygina Akush.i gin 39 no 5:120-122 S-O '63

GYPSUM see subdivision under Baraba Steppe; Gur'yev Province

GYROCOMPASS

Geckeler's equations in the theory of gyrocompasses. V.N.Koshliakov. Prikl.mat.i mekh. 28 no.4:708-715 Jl-Ag '64.

Losses of power and voltage and their distribution in various sectors of the current conductor of the MV1 gyrocompass. G.M.Naishuler. [Trudy] VNIMI no.47: 367-372 '62.

GYROSCOPE

Gyroscopic system with an infinite number of the degrees of freedom. IU.S.Shkenev. Inzh.zhur. 4 no.2:314-317 '64.

Motion of a gyroscopic frame. A.P.Duvakin. Inzh.zhur. 4 no.2:309-314 '64.

GYROSCOPIC INSTRUMENTS

Damped gyroscopic pendulum without ballistic deviations. N.T.Kuzovkov. Izv.AN SSSR.Mekh.i mashinostr. no.4:143-145 Jl-Ag '64.

Effect of the inertness of rings of a gimbal suspension on the motion of a gyroscopic integrator of linear accelerations. L.N.Slezkin. Izv.AN SSSR.Mekh.i mashinostr. no.4:145-147 Jl-Ag '64.

Motion of a quasi-symmetric gyropendulum mounted on a rigid foundation with no frictional forces in the support. P.M.Alabuzhev, I.IA.Shpigel'burd, A.N.Borisova. Izv.Sib.otd.AN SSSR no.8:11-21 '62.

GYURGYANY-MORE OIL FIELD—PETROLEUM GEOLOGY

Features of the reservoir waters of the Sub-Kirmaki series in the Gyurgyany-More oil field. Z I Zeinalov, M.N.Dadashev, IA.M Aminali. Azerb.neft khoz. 43 no.2:7-9 F '64.

HAFNIUM

Using the iodine method for the preparation of compact hafnium I.V Vinarov, E I Koval'ova Khim prom. [Ukr.] no 3:46-48 Jl-S '63

HAFNIUM COMPOUNDS

Composition of hafnium salicylates. P.I.Artiukhin. Zhur.neorg.khim. 9 no.6:1485-1486 Je '64.

HAFNIUM ISOTOPES

Gamma rays and internal conversion electrons from the reaction $Hf^{177}(n,\gamma)Hf^{178}$. L.V.Groshev and others. Izv.AN SSSR.Ser.fiz. 28 no.7:1244-1254 Jl '64.

HAIR

Characteristics of the utilization of sulfur-containing compounds for the formation of hair in various animals (experiments with radioactive sulfur). A.L. Paducheva. Trudy VIZH 25:221-233 '63.

Penetration of ultraviolet rays through the hair coat of calves. D.A.Ustinov, I.I.Kozunin. Trudy VIZH 25: 212-215 '63.

HALIDES

Cryoscopic study of complex formation in the system $CdBr_2$ - KI - H_2O. E.M.Belousova, S.A.Gvozdeva. Nauch.ezhegod.Khim.fak.Od.un. no.2:59-62 '61

HALKIN, SCHMUEL, 1899-

"My century in my verse." Vladimir Ognev. Nov.mir. 39 no.4:256-258 Ap '63.

HALL EFFECT

Comprehensive study of the properties of thin cadmium telluride layers. Pt.5. Some methodological problems in studying the Hall effect in thin semiconductor layers with high specific resistance. E.Kucys. Trudy AN Lit.SSR. Ser.B no.1.73-84 '62.

Connection between Hall's constant and electric resistance in Fe - Ni alloys N V.Bazhanova Fiz.met.i metalloved. 17 no.5 774-777 My '64.

Plane flows of an ideally conducting compressible fluid, allowing for the Hall effect. A.I.Morozov, L.S.Solov'ev. Zhur.tekh.fiz. 34 no.7:1141-1153 Jl '64.

Study of the purity and structural perfection of single-crystal silicon by measuring the Hall effect in whole ingots. A.S.Liutovich and others. Izv.AN Uz.SSR. Ser.fiz.-mat.nauk 7 no.5:90-94 '63.

Temperature dependence of electroconductivity and the Hall effect in copper oxide. P.A.Kotsiumakha, IA.I. Kushnir, A.V.Perelygin. Izv.AN SSSR.Ser.fiz. 28 no.8:1328-1330 Ag '64.

Temperature dependence of the Hall effect in Ni-Mo alloys. D.I.Volkov, T.M.Kozlova. Fiz.met.i metalloved. 17 no.6:838-844 Je '64.

HALLUCINATIONS AND ILLUSIONS

Dynamics of hallucinotic manifestations in acute alcoholic psychoses following the introduction of bromide. R.Kh.Gazin. Trudy Gos.nauch.-issl.inst.psikh. 40: 109-117 '63.

HALLUCINATIONS AND ILLUSIONS (Continued)

Effect of magnesium sulfate on hallucinations in acute and chronic alcoholic hallucinosis. M.A Rybalko. Trudy Gos.nauch -issl.inst psikh. 40:118-124 '63.

Some characteristics of the dynamics of the Kandinskii-Clerambault syndrome in patients with the paranoid form of schizophrenia. T.A.Klimusheva. Trudy Gos nauch.-issl inst psikh 40:207-217 '63

HALOCHROMISM

Spectra and halochromism of α,β-unsaturated ketones containing furan and thiophene rings S V.TSukerman, I.K.Gintse, V.F.Lavrushin. Zhur.ob.khim. 34 no.7:2317-2321 Jl '64

Study in the field of the analytic use of halochromism in azo dyes. T.S Zhigalkina, A I.Cherkesov Trudy Astr tekh.inst ryb prom.i khoz no 8 50-7? '62

HALOGEN ORGANIC COMPOUNDS

Initiation of vinyl chloride polymerization by the reactions between triethylaluminum with halogen-containing organic compounds. G.A.Razuvaev, K.S.Minsker, IU.A.Sangalov. Dokl.AN SSSR 158 no.1 170-172 S-O '64.

HALOGENATION

Kinetics and reactivity of aromatic compounds in the course of halogenation in the presence of metal halides. Part 3: Reactivity of aromatic compounds. N.N.Lebedev, I.I.Baltadzhi. Kin.i kat. 5 no.2:305-310 Mr-Ap '64.

HAMMARSKJOLD, DAG, 1905-1961

Uneasy conscience V.Berezhkov. Nov vrem 22 no.35 30-31 Ag '64.

HAND—ANATOMY

Age-related changes in the proportions of the human hand. L.P.Astanin. Arkh.anat.,gist.i embr. 43 no.11:58-67 N '62.

HANDICAPPED—EMPLOYMENT see subdivision under Kemerovo Province

HANDICAPPED CHILDREN—EDUCATION

Methods of logopedic work on the development of the grammatical structure of speech in children suffering from motor alalia. S.N.Shakhovskaia. Izv.APN no.129:233-237 '63.

Originality of lexical meanings in the independent written speech of alalic children. I.K.Kolpovskaia. Izv.APN no.129:238-242 '63.

HANDLES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Operating parts] Detali upravleniia (MN 4-64—MN 6-64, MN 8-64—MN 12-64, MN 2725-64 i MN 5333-64). Moskva, Izd-vo standartov, 1964. 47 p. (SSSR. Normali mashinostroeniia)

HANSBERRY, LORRAINE, 1930-

Word of a Negro writer. Teatr 24 no.12:132-13? D '63.

HARBORS

Grishin, G.I. [New structures and the advanced technology of construction and assembly work in hydraulic engineering for harbor construction and bridge building] Novye konstruktsii i progressivnaia tekhnologiia stroitel'no-montazhnykh rabot v gidrotekhnicheskom portovom stroitel'stve i mostostroenii. Moskva, Mosk.zaochnyi stroitel'nyi tekhnikum transp. stroitel'stva, 1963. 58 p. [MICROFILM]

On waterways and in seaports. S.S Demeshev. Transp. stroi 14 no.1 26-27 Ja '64.

HARBORS—REGULATIONS see subdivision under France

HARD FACING—TESTING

Heat-resistance and weld-resistance of deposited metal. M A Tylkin Avtom.svar. 17 no.7:36-43 Jl '64.

HARDNESS

Certain regularities in the dynamic hardness of steel. M.S.Drozd, G.IU.Stoliarov. Izv.vys.ucheb.zav.; chern.met. 7 no.7:176-182 '64.

Effect of cyclic temperature fluctuations and tensile stresses on changes in the microhardness along the cross-section of grains and deformations occurring in commercial-grade iron. M.G.Lozinskii, V.IA. Ferenets. Izv.AN SSSR.Met.i gor.delo no.2:97-104 Mr-Ap '64.

Microhardness of HgTe - CdTe systems. A.D.Shneider, I.V.Havrishchak. Ukr.fiz.zhur. 8 no 9:1028-1029 S '63

HARDNESS—TABLES, ETC.

"Hardness tables" by Hormuth. Reviewed by S.A. Smolich. Izm.tekh. no.3:57-58 Mr '64.

HARELIP

Treatment of harelip in children. V.A.Levenets, B.A. Tkachenko. Trudy Tadzh.med.inst. 50:155-158 '61.

HARMINE

Derivatives of indole. Report No. 12: Structure of benzylideneharmine and some of its derivatives. L.V. Khazhakian and others. Izv.AN Arm.SSR.Khim.nauki 16 no.2:181-188 '63.

HARMONY

The theme remains unresolved. V Dashkevich Sov muz 28 no 1:137-143 Ja '64

HARP SEAL see subdivision under Atlantic Ocean

HARVESTING see subdivision under Volgograd Province

HARVESTING MACHINERY

Kuropatkin, B.P [New machines for grain harvesting by stages] Novaia tekhnika dlia razdel'noi uborki zernovykh kul'tur. [Barnaul] Altaiskoe knizhnoe izd-vo, 1959. 75 p
[DNAL MICROFILM]

HAWKES, HERBERT EDWIN, 1912-

American scientist at Leningrad University. V.I.Lebedev, G.B.Sveshnikov. Vest.LGU 19 no.12:177-178 '64.

HAY—HARVESTING

Technology and mechanization of hay harvesting. A.N. Serdechnyi, I.P.Orlov. Zemledelie 26 no.6:65-73 Je '64.

HEADACHE

Effect of some drugs used in the treatment of headache in hypertensive patients on the tone of cerebral vessels, experimental studies. T IU.Liberman. Farm.i toks. 26 no.5:573-578 S-O '63.

HEALTH EDUCATION

(see also subdivision under Azerbaijan)

Gokhlerner, G.B. [Sanitary culture to the masses! Educational visual aid on the methodology of sanitary culture] Sanitarnuiu kul'turu - v massy! Uchebno-nagliadnoe posobie po metodike sanitarnogo prosveshcheniia Pod red. I.S.Sokolova. Moskva, In-t sanitarnogo prosveshcheniia M-va zdravookhraneniia SSSR, 1963. 30 p. illus

Methodology of health education in the prevention of epidermophytosis. E.K.Reznikov. Vest.derm.i ven. 38 no.1:53-56 Ja '64.

HEALTH RESORTS, WATERING PLACES, ETC.

(see also subdivision under Issykkul'; Karlovy Vary, Czechoslovakia; Sochi; Staraya Russa, Novgorod Province; Truskavets, Ukraine; Ukraine; Uzbekistan)

Apropos N.I.Speranskii's article "Problem as to sanatorium and health resort treatment of stenocardia." S R.Tatevosov. Vop kur.,fizioter.i lech.fiz.kul't no.6:562-563 '63.

Conference of the Kirghizistan Institute of Health Resorts and Physiotherapy dedicated to the centenary of the voluntary incorporation of Kirghizistan into the Soviet Union. B.V Babkhanov, L.I Denisova, N.N.Morozova. Vop.kur.,fizioter.i lech.fiz.kul't no.6:568-570 '63.

"We wish you a pleasant rest and successful treatment." Okhr.truda i sots.strakh. 7 no.5:28-29 '64.

HEARING

Electric responses of the peripheral section of the auditory system in various mammals. A.V.Baru, A.M. Maruseva. Fiziol.zhur. 49 no.11:1330-1336 N '63.

HEART

Cardiac activity in neuroplegia and hypothermia in relation to the method of artificial respiration. A.I. Kurkhuli. Trudy Inst.eksp.i klin khir.i gemat.AN Gruz.SSR 11:25-28 '63.

Effect of olitoriside and digilamide C on coronary circulation and myocardial oxygen requirement. G.N.Lakoza. Farm.i toks. 26 no.5:589-594 S-O '63.

HEART—BLOOD SUPPLY

Effect of cardiac glycosides on coronary circulation and absorption of oxygen by the heart in experimental myocardial infarction. E.A.Veselova. Biul.eksp.biol.i med. 55 [i.e.56] no.10:57-62 O '63.

Effect of ganglioblocking substances on the development of collateral blood vessels in the myocardium in experimental myocardial infarct in rabbits. A.A. Miazdrikova. Farm.i toks. 26 no.2:169-172 Mr-Ap '63.

HEART—DISEASES

Angiocardioarchitectonics under normal conditions and in some heart diseases B.I Vorob'ev Arkh.anat.gist. i embr. 45 no 11:66-70 N '63.

Cardiac changes in cadavers of insultus patients; clinical and electrocardiographic data. E.F.Drigo, E.Z. Ustinova. Zhur.nevr.i psikh. 63 no.9:1361-1367 '63.

Dynamics of psychosomatic interrelations in the development of neuroses with functional disorders of cardiac activity. A.J.Straumits. Trudy Gos.nauch.-issl. psikhonevr.inst. 29:235-245 '63.

Chronic dissecting aortic aneurysm. T.F.Kogoi. Arkh. pat. 26 no.2:81-83 '64.

Experimental myocarditis in acute radiation sickness. G.A.Krivkov, and others. Pat.fiziol.i eksp.terap. 6 no.4:81-83 Jl-Ag '62.

Importance of catechol amines in the pathogenesis of neurogenic myocardial changes. I.K.Shkhvatsabaia, V.V.Men'shikov. Kardiologiia 2 no.6:27-30 N-D '62.

Neuropsychic disorders in cardiac pathology. N.K. Bogolepov, L.O.Badalian. Trudy Gos.nauch.-issl. psikhonevr.inst. 29:295-307 '63.

New method of attaching the electrodes of an implanted electric stimulator. V.S.Savel'ev. Grud.khir. 5 no.5:98-100 S-O '63.

Review of L.D.Krymskii's book "Pathological anatomy of congenital heart defects and complications following their surgical treatment". S.Vail'. Grud.khir. 5 no.5 113-114 S-O '63.

So-called primary lesions of the myocardium: idiopathic myocarditis and idiopathic myocardial hypertrophy (clinical aspect, diagnosis and treatment). M.I.Teodori. Kardiologiia 2 no.6:3-13 N-D '62.

X-ray observations on heart and lung changes following mitral commissurotomy. E.L.Kevesh, A.N.Guseva. Grud.khir. 5 no.5:9-15 S-O '63.

HEART—EXAMINATION

Anesthesia in special examinations of the heart and major vessels. Z.L.Liubicheva, B.S.Uvarov. Grud. khir. 5 no.5:81-86 S-O '63.

HEART—HYDATIDS

Echinococcosis of the heart, on the 100th anniversary of the first report in Russia on echinococcosis of the heart. V.S.Gamov. Grud.khir. 5 no.5:100-103 S-O '63.

HEART—INFARCTION

Changes in hemodynamics in myocardial infarction. A.V.Vinogradov and others. Kardiologiia 2 no.6:37-42 N-D '62.

Effect of cardiac glycosides on coronary circulation and absorption of oxygen by the heart in experimental myocardial infarction. E.A.Veselova. Biul.eksp.biol.i med. 55 [i.e.56] no.10:57-62 O '63.

Effect of ganglioblocking substances on the development of collateral blood vessels in the myocardium in experimental myocardial infarct in rabbits. A.A. Miazdrikova. Farm.i toks 26 no.2:169-172 Mr-Ap '63.

Effect of some vasodilators on the work of the heart in experimental myocardial infarct. G.A.Markova. Farm.i toks. 26 no.2:164-168 Mr-Ap '63.

Electrokymographic investigation of the heart in dogs following excision of experimental myocardial infarction. M.N.Tumanovskii and others. Kardiologiia 2 no.6:22-27 N-D '62.

Interpretation of the main electrocardiographic changes in myocardial infarction; origin and clinical importance. D.F.Presniakov. Kardiologiia 2 no.6:43-49 N-D '62.

Materials for the diagnosis of myocardial infarction. Z.M.Volynskii. Kardiologiia 2 no.6:40-54 N-D '62.

Once again about the so-called intermittent forms of coronary insufficiency. S.V.Shestakov. Kardiologiia 2 no.6:14-21 N-D '62.

Reactive changes in the metabolism of infarction and peri-infarction portions of the heart in dogs. T.V. Fetysova, L.F.Khomyts'ka, V.A.TSiomik. Fiziol. zhur. 10 no.1:61-67 '64.

Restoration of coronary blood circulation during the acute period of experimental myocardial infarct. H A Heine. Vestsi AN BSSR.Ser.biial.nav. no.4:74-79 '63.

Roentgenokymographic characteristics of the contractive ability of the heart muscle in experimental myocardial infarct. A.A.Katsel'nikau, Z.A.Biahun, H.F. Maliukovich. Vestsi AN BSSR.Ser.biial nav. no.4:80-84 '63

Some serotonin antagonists. V.V.Zakusov. Farm.i toks. 26 no.2:131-138 Mr-Ap '63.

HEART—MEASUREMENT

Method of continuous recording of the thickness of the myocardium in experiments on animals. V.S.Siniakov. Biul.eksp.biol.i med. 55 [i.e.56] no.10:114-116 O '63.

HEART—MUSCLE

Effect of papaverine, euphyllin and adrenaline on oxidative phosphorylation and the creatine phosphate content of the myocardium. I.E.Kisin. Farm.i toks. 26 no.2:197-201 Mr-Ap '63.

Electrophoresis of sarcoplasmic proteins in the rabbit myocardium under normal conditions and in experimental diphtheria intoxication. E.A.Mishukova, L.G. Ter-Sakisian. Vop.med.khim. 9 no.2:204-200 Mr-Ap '63.

Histochemical characteristics of postembryonal histogenesis in the heart of the white rat. A.F.Sukhanov, D.V.Vinogradova. Arkh.anat.gist.i embr. 45 no 11:62-65 N '63.

Oxidative phosphorylation and glycolysis in the rat myocardium in experimental thyrotoxicosis. P.M.Samoilov. Vop.med.khim. 9 no.2:188-196 Mr-Ap '63.

HEART—RADIOGRAPHY

Roentgenokymographic characteristics of the contractive ability of the heart muscle in experimental myocardial infarct. A.A.Katsel'nikau, Z.A.Biahun, H.F. Maliukovich. Vestsi AN BSSR.Ser.biial.nav. no.4:80-84 '63.

HEART—SOUNDS

[illegible] heart surface and [illegible] Preliminary [illegible] no.6:30-32 S-O [illegible]

HEART—SOUNDS (Continued)

Phonocardiogram in healthy dogs. IU. P. Antypchuk. Fiziol zhur.(Ukr) 9 no.6:818-821 N-D '63

Phonocardiographic data on breast-fed infants. M.A. Ilaridze-Sturua. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 11:283-290 '63.

HEART—SURGERY

Abstracts. Grud.khir. 5 no.5:115-126 S-O '63.

Aneurysms of the cardiac interventricular septum. A.P. Kolesov. Grud.khir. 5 no.5:86-88 S-O '63.

Clinical aspects and treatment of Fallot's tetralogy with left-right blood shunt. G.T. Maliavin, IU.D. Volynskii. Grud. khir. 5 no.5:19-24 S-O '63.

Electrokymographic investigation of the heart in dogs following excision of experimental myocardial infarction. M.N. Tumanovskii and others. Kardiologiia 2 no.6:22-27 N-D '62.

Graphic registration of sounds from the heart surface and major vessels in surgical interventions. Preliminary report. E.A. Krasnov. Grud.khir. 5 no.5:30-32 S-O '63.

Morphologic characteristics of the healing of surgical incised wounds of the heart. A.F. Gribovod. Arkh. pat. 26 no.2:10-17 '64.

Open-heart surgical treatment of mitral insufficiency. V.I. Nemchenko. Grud.khir. 5 no.5:103-109 S-O '63.

Repairing a defect of the interventricular septum through the right atrium with the use of hypothermia. E.N. Meshalkin, E.P. Kelin. Izv.Sib.otd.AN SSSR no.8:117-120 '62.

Review of L.D. Krymskii's book "Pathological anatomy of congenital heart defects and complications following their surgical treatment". S.Vail'. Grud.khir. 5 no.5:113-114 S-O '63.

Review of V.I. Burakovskii's book "'Dry heart' during hypothermia in surgery on congenital heart defects". V.I. Kolesov. Grud.khir. 5 no.5:110 S-O '63.

Urgent problems of surgery of the heart. S.A.Gadzhiev. Azerb.med.zhur. no.6:3-6 Je '62.

HEART FAILURE

Ability of k-strophanthin and calcium to restore the activity in the frog's heart arrested by cortisone. A.G. Saakian, M I.Kazanchev, V.P.Kessel'. Farm.i toks. 26 no.2 206-210 Mr-Ap '63.

HEARTBEAT

Duration of systolic phases in normal children of various ages. M.A.Ilaridze-Sturua. Soob.AN Gruz.SSR 33 no.3:729-736 Mr '64.

Effect of cooling on the cardiac activity of certain vertebrates. T.O. Aref'eva. Fiziol zhur.(Ukr.) 9 no.6:741-747 N-D '63.

HEAT—BOUNDARY VALUE PROBLEMS

Method of finding Green's functions in boundary value problems of the heat conductivity equation for a line segment with uniformly moving boundaries. V.I. Kval'vasser, IA.F.Rutner. Dokl.AN SSSR 156 no 6: 1273-1276 Je '64.

HEAT—CONDUCTION

Some problems in the theory of heat conductivity for wedge-shaped bodies. Part 1. N.N.Lebedev, I.P. Skal'skaia. Zhur.tekh.fiz. 34 no.5:801-808 My '64.

HEAT—PHYSIOLOGICAL EFFECT

Change in the physicochemical properties of erythrocytes caused by heating. IU.A. Kriger, E.A. Sverdlova, A.A. Vainson. Nauch.dokl.vys.shkoly; biol.nauki no.3:76-81 '64.

HEAT—RADIATION AND ABSORPTION

Energy absorption by copper during small deformations. N. F Kunin and others Fiz met.i metalloved. 17 no.5 789-792 My '64

Radiative gas heating appliances. I.D.Bukshpun. Gaz. prom. 8 no.6:15-18 '63.

HEAT—TRANSMISSION

Analytical study of the heating of a granulated filling mixed with a solid heat carrier. S.I.Shabanov. Izv. Sib otd.AN SSSR no 9 20-24 '62

Approximate method for calculating the thermal flow regime in planning the development and setup of gas and gas condensate fields. IU.P.Korotaev. Trudy VNIIGAZ no.19/27:170-172 '64.

Bolgarskii, A.V., G.A.Mukhachev, and V.K.Shchukin. [Thermodynamics and heat transfer] Termodinamika i teploperedacha. Moskva, Vysshaia shkola, 1964. 457 p.

Comparative tests of convective surfaces based on their power characteristics. V.M.Antuf'ev. Energomashinostroenie 10 no 5,9-13 My '64.

Conditions of heat and mass exchange during the conditioning of certain cargoes. V A Zagorulko Ekon.i ekspl.mor.transp. no 1:73-81 '63.

Effect of the nature of moisture distribution on the magnitude of general thermal heat transmission resistance. V.V.Kovalev, I.A. Nousikhin, B.A.Larionov. Izv.vys. ucheb.zav.; energ. 7 no.6:113-116 Je '64.

Heat exchange process in the thickening of sugar solutions in a film evaporating apparatus. E.D.Kibrik, A.I. Rychkov, K.I.Lebedev. Khleb.i kond.prom. 8 no.7: 6-11 Jl '64.

Heat transfer in porous media in a direction perpendicular to the gas flow. G P. Willhite, J S. Dranoff, J M. Smith. Nefteprom delo no.7:45-47 '64.

Heat transfer through a wall in case of pulsations of heat transfer coefficients at wall surfaces IU A Sozin Izv vys ucheb zav , av tekh 6 no 4 132-138 '63

Litvin, A.M. [Theoretical principles of heat engineering, engineering thermodynamics and the theory of heat transfer] Teoreticheskie osnovy teplotekhniki, tekhnicheskaia termodinamika i teoriia teploperedachi. Izd.5., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 367 p.

Machine errors in heat transmission simulation equation. V.L.Shpakov. Izv.vys.ucheb.zav.; neft' i gaz 6 no.7:101-107 '63.

Prasolov, R.S. [Mass and heat transfer in furnace systems] Masso- i teploperenos v topochnykh ustroistvakh. Moskva, Izd-vo "Energiia," 1964. 236 p.

Radiative heat transfer processes between two infinite parallel plates E V Artiushkov Teplofiz vys temp. 2 no.3 411-423 My-Je '64.

Study of heat emission during boiling in annular channels and intertube space V G Morozov, IU IU Ryndin Teploenergetika 11 no 7 64-67 Jl '64

Technological conditions of superpower open-hearth furnaces at the Magnitogorsk Metallurgical Combine F.D.Voronov and others Stal' 23 no 4 305-309 Ap '64.

Terminal effect and steady temperature distribution in a pipe heated in a sector with finite length V G Chakrygin, L.P Sevrianina. Teploenergetika 11 no 7 67-70 Jl '64

Turbulent boundary layer on a permeable plate. I P. Ginzburg, G.V.Kocheryzhenkov, N.I.Mordvinova. Vest.LGU 19 no 13:89-102 '64.

Turbulent heat and mass transfer on a porous plate through which various gases are allowed to pass in the presence of sublimation IU V.Lapin. Zhur.tekh. fiz. 34 no.5:913-925 My '64.

Twin differential calorimeter for determining the thermal conductivity of gases and liquids at high pressures and different temperatures I F Golubev. Teploenergetika 10 no 12 78-82 D '63

Use of the "salt method" in studying the characteristics of mass and heat transfer M.A Styrikovich and others Dokl AN SSSR 157 no 1:91-94 Jl '64

HEAT CAPACITY

Estimating the energy accumulation of field crops in a continuous field experiment. N Kh Zhdanov. Izv. TSKHA no.6:162-168 '63.

Mean isobaric heat capacity of solid hydrocarbons as dependent on the molecular volume and melting points [with summary in English]. G.S.Shimonaev. Zhur. fiz.khim. 38 no.2:411-414 F '64.

HEAT ENGINEERING

Heat engineering characteristics of coke oven and blast furnace gases G L Nikolaenko Trudy VZEI no 20 76-82 '62.

Khazen, M.M., I.I.Ivanov, and S.S.Aronovich. [Heat and power systems] Teplosilovoe khoziaistvo. Moskva, Transport, 1964. 329 p.

Moscow. Vsesoiuznyi zaochnyi inzhenerno-stroitel'nyi institut. Kafedra arkhitektury. [Principles of structural physics; a textbook for students specializing in construction at the All-Union Engineering and Construction Correspondence Institute] Osnovy stroitel'noi fiziki; uchebnoe posobie dlia studentov stroitel'nykh spetsial'nostei VZSI. Moskva.

Sec.1. [Structural heat engineering] Stroitel'naia teplotekhnika. 1963. 76 p.

Sec.2. Serbinovich, P.P., comp. [Structural acoustics] Stroitel'naia akustika. 1962. 26 p.

Sec.3. [Structural lighting engineering] Stroitel'naia svetotekhnika. 1963. 30 p.

[MICROFILMS]

A new textbook "Heat and Power Engineering" by A.P. Baskakov and others Reviewed by A.A. Lisenkov Teploenergetika 11 no.7,95-96 Jl '64.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur.: Teploenerg. no.8 Ag '64.

HEAT EXCHANGERS

Attachment for making channels for the "Armco" collar in the tube sheet of a heat exchanger. I.M.Shcherbina. Mash.i neft.obor. no.4:11 '63.

Effect of the velocity of steam on the mechanism and intensity of heat exchange with pellicular condensation on a horizontal pipe. L D Berman, IU.A. Tumanov Energomashinostroenie 10 no.5:24-28 My '64.

Enlarged TTO-24 "tube in tube" heat exchanger. V.M. Shmerkovich, G.A.Margolin. Mash.i neft.obor. no.4: 8-9 '63.

HEAT EXCHANGERS—MAINTENANCE AND REPAIR

Mechanization of the trimming and knocking-out of pipes from U-tube bundles. A.I.Kukulieva. Mash.i neft. obor. no.4:35 '63.

HEAT EXCHANGERS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Immersible heat-exchange elements made of graphite] Teploobmennye elementy pogruzhnogo tipa iz grafita (MN 5111-63). Moskva, Izd-vo standartov, 1964. 18 p. (SSSR. Normal' mashinostroeniia)

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Sectional plate heat exchangers; parameters and basic dimensions] Teploobmenniki plastinchatye razbornye; parametry i osnovnye razmery (MN 2791-61—MN 2792-61). Moskva, Izd-vo standartov, 1964. 11 p. (SSSR. Normali mashinostroeniia)

HEAT OF DISSOCIATION

Interrelation between the width of the forbidden zone of semiconductors and the heat of their atomization. K.A.Sharifiv. Dokl.AN Azerb SSR 19 no.9:15-19 '63

Interrelation between the width of the forbidden zone of semiconductors and their heat of atomization. Substances of the composition AB K A Sharifov. Dokl. AN Azerb.SSR 19 no.3,23-25 '63.

HEAT OF FORMATION

Heats of formation of WBr_6 and WBr_5. S.A.Shchukarev, G.A.Kokovin. Zhur.neorg.khim. 9 no.6:1300-1315 Je '64.

HEAT OF HYDRATION

Enthalpy of oxidation with hydrogen peroxide of uranium (IV) sulfate tetrahydrate and octahydrate. L.M.Vidavskii and others. Zhur neorg.khim. 9 no.6:1489-1191 Je '64

HEAT OF REACTION see Chemical reaction, Heat of

HEAT OF SOLUTION

Determination of the heats of dissolution of KCl and RbCl in formic acid [with summary in English]. G.P. Kotliarova, E.F.Ivanova. Zhur.fiz.khim. 38 no.2, 123-426 F '64.

HEAT REGENERATORS

Limits to the practicability of the use of heat regeneration in gas-turbine units in compressor stations. B P. Porshakov, R.N.Bikchentai Gaz.prom. 8 no.7:46-49 '63.

HEAT-RESISTANT ALLOYS

Khrul'kov, V.A. [Grinding of heat-resistant alloys] Shlifovanie zharoprochnykh splavov. Moskva, Mashinostroenie, 1964. 190 p.

Moscow. Institut metallurgii. [Study of steels and alloys] Issledovaniia stalei i splavov. Moskva, Nauka, 1964. 390 p.

HEAT-RESISTANT ALLOYS—HARDENING

Effect of high temperature thermomechanical working on the heat-resistant properties of the KhN$_{77}$TIUR alloy. V.D Sadovskii and others. Fiz.met.i metalloved. 17 no.6:845-852 Je '64.

HEAT-RESISTANT ALLOYS—METALLOGRAPHY

Increasing weld metal resistance to the formation of hot cracks A.A Erokhin, O M Kuznetsov. Avtom svar 17 no.7,2-5 Jl '64

Nature of cellular structure in nickel-base heat-resistant alloys. I.A. Arbuzova. Sbor.nauch.rab.Inst. metallofiz AN URSR no.18:54-59 '64.

X-ray investigation of the surface of nozzle blades tested for heat-resistance. A.P.Glazov, L.V.Tikhonov, M.S.Khazanov. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18,60-66 '64.

HEAT-RESISTANT ALLOYS—METALLURGY

Effect of molybdenum and tungsten on the properties of heat-resistant nickel alloys. M.V.Pridantsev, G.V. Estulin, L.N.Zimina Stal' 23 no.4:349-353 Ap '64.

HEAT TREATING FURNACES see Furnaces, Heat-treating

HEATHER see subdivision under Latvia, White Russia

HEATING

Kop'ev, S.F., and N.F.Kachanov. [Principles of heat supply and ventilation] Osnovy teplogazosnabzheniia i ventiliatsii. Moskva, Stroiizdat, 1964. 227 p.

HEATING—RADIATION AND ABSORPTION

Role of radiance and criteria for evaluating the radiant efficiency of a flame in furnaces A.D Kliuchnikov. Gaz prom. 7 no 9:25-28 '62

HEATING—SPECIFICATIONS see subdivision under Odessa

HEATING FROM CENTRAL STATIONS

Development of heating from central stations in the U.S.S.R. A.S Gorshkov, I.S.Lanin, E IA.Sokolov. Teploenergetika 10 no 12:74-77 D '63.

Optimum value of the calculational hourly central heating coefficient in RNR systems. G.Kolts. Izv vys.ucheb. zav.; energ. 7 no.6:61-69 Je '64.

Schematics of thermal networks of large cities and distribution of heat supply sources. V.B.Pakshver. Trudy VZEI no 20:3-23 '62

[illegible]

At a high temperature IU. Vinogradov Tekh. i vooruzh. no 3 48-49 Mr '64

HELICOPTERS—EQUIPMENT AND SUPPLIES

Using a map in flying. V Zabaluev Av i kosm. 47 no. 9 85 S '64

HELMINTHOLOGY

Nauchno-proizvodstvennaia konferentsiia po problemam gel'mintologii. [Scientific Industrial Conference on the Problems of Helminthology] Materialy. Samarkand, Nauchno-issl. veterinarnyi in-t, 1963. 153 p. (DNAL)

Some results of the work of a helminthological day infirmary. N.K.Panteleeva Med.paraz.i paraz.bol. 32 no.4:490-492 Jl-Ag '63.

HEMAGGLUTININ

"Antibodies" of plant origin and some research problems. M.I.Potapov. Usp. sovr. biol. 55 no. 2:191-203 Mr-Ap '63.

Study of the ability of a phytohemagglutinin from kidney bean seeds of the Saksa variety to stimulate mitosis of peripheral blood leucocytes in vitro. M.G.TSoneva-Maneva, R.S.Nezlin. TSitologiia 5 no.4:458-460 Jl-Ag '63.

HEMATOENCEPHALIC BARRIER

Comparative action of cholinolytics containing tertiary and quaternary nitrogen upon the medulla oblongata centers and their ability to penetrate through the hematoencephalic barrier. A.E.Aleksandrova. Farm. i toks. 25 no.6:672-678 N-D '62.

Quantitative study of the penetration of an organic phosphorus anticholinesterase substance with a positive charge in the molecule from the blood into different segments of the cat brain. E.V.Zeimal'. Farm. i toks. 26 no 2:157-164 Mr-Ap '63

HEMATOLOGY

An apparatus for the mechanical agitation of blood in mixtures. A.D.Ignat'ev. Voen.-med.zhur. no. 1:91 '63.

Research on hemodynamic disorders in acute arterial hypertension induced by the introduction of adrenaline. T.Mansurov, V.A.TSyrul'nykov. Fiziol. zhur. 10 no. 1:117-119 '64.

HEMATOLOGY—ATLASES

Review of D.I.Gol'dberg and E.D.Gol'dberg's book "Manual on hematology with an atlas of microphotograms". A.I.Vorob'ev. Probl. gemat. i perel. krovi 8 no. 8:61-63 Ag '63.

HEMATOMA

Nuclear hematomas in hypertensive cerebral hemorrhages. I.M.Neplokh. Arkh. pat. 26 no. 2.68-73 '64.

Puerperal hematoma of the vulva and vagina. O.V. Galaeva. Akush. i gin. 40 no.1:137-138 Ja-F '64.

HEMATOXYLIN

Complexonometric determination of copper in minerals by the metal indicator hematoxylin. A.I Cherkesov, A.S. Aleksandrovich-Mel'nikova. Trudy Astr tekh inst. ryb. prom. i khoz. no. 8·97-102 '62

Hematoxylin as a specific reagent to bismuth. A.S. Aleksandrovich-Mel'nikova, S.N.Khramova Trudy Astr. tekh. inst. ryb. prom. i khoz no 8:82-88 '62.

HEMOGLOBIN

Chemical and physicochemical characteristics of some hemoglobins. L.P.Alekseenko, V.N.Orekhovich. Dokl. AN SSSR 156 no.6:1455-1458 Je '64.

HEMOLYSIS AND HEMOLYSINS

Simple method for the determination of antistreptolysin O titer in blood serum. N.Lazarov. Lab. delo no 7 403-405 '64

Use of human blood erythrocytes for the determination of antistreptolysin O titer. V N Anokhin, V L.Cherkasov Lab delo no 7:406-407 '64.

HEMOPOIETIC SYSTEM

Bone marrow hematopoiesis in patients with malignant ovarian tumors. I.L.Turbina. Vop. onk. 9 no. 6:24-30 '63.

Effect of ferrocene on the hemopoiesis in rats; preliminary data. S.A.Papoian, P.V.Breivis. Vop. rent. i onk. 7:177-182 '63.

HEMOPOIETIC SYSTEM—DISEASES

Arutiunov, V.IA., and P.I. Golemba. [Hemodermatoses] Gemodermii. Moskva, Meditsina, 1964. 302 p.

Pathogenesis of changes in the blood system in chronic irradiation. G.D.Baisogolov. Med.rad. 8 no.12: 26-30 D '63.

HEMORRHAGE

Change in arterial pressure during hemorrhage in irradiated animals. M.A.Movsesian. Vop. rent. i onk. 7.163-175 '63.

Change in the quantity of sugar in the blood of irradiated animals in fatal bloodletting. M.A.Movsesian, L.Kh. Barkhudarian. Vop. rent. i onk. 7:213-218 '63.

Changes in the absorptive function of the reticuloendothelial system in acute radiation sickness complicated by hemorrhage. A.G.Magakian. Vop. rent. i onk. 7:227-232 '63.

Changes in the circulating blood volume in irradiated rabbits and their resistance to blood loss. M.A Movsesian. Vop. rent i onk. 7:183-192 '63.

Effect of adrenaline on the blood sugar level in animals suffering from acute radiation sickness complicated by hemorrhage. L.Kh Barkhudarian. Vop. rent i onk. 7:219-225 '63

Homeostatic character of the changes in hemostasis in thrombophlebitis. M.G.Gachechiladze and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11: 233-240 '63.

Surgical treatment of cervical pregnancy with the aid of vaginal cervicotomy and hemostasis. G Matracaru Akush. i gin no 5:129-131 S-O '63.

HEMORRHAGE, UTERINE

Some data on the role of fibrinogen in hemorrhages during labor and the early postpartum period. M.S TSirul'nikov. Akush. i gin. 39 no 5:65-68 S-O '63

HEMORRHAGIC SEPTICEMIA—PREVENTIVE INOCULATION

Immunization of swine against cholera and pasteurellosis V P Zelenskii, B IA Liabin Veterinariia 41 no 4 47-49 Ap '64.

HEMOTHORAX

A method of prophylaxis of a coagulated hemothorax. O.I.Burdzhanadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:223-227 '63.

HEPARIN

Antidotal effect of propyl gallic acid, heparin and hydrocortisone on the venom of Vipera lebetina. E.N. Pavlovskii and others. Dokl. AN SSSR 156 no.6:1476-1478 Je '64.

Toluidine blue, an inhibitor of heparin, and prospects for its use in artificial blood circulation. M.S.Machabeli, L.G.Bezarashvili Trudy Inst. eksp. i klin. khir i gemat. AN Gruz. SSR 11·75-79 '63.

HEPATITIS, INFECTIOUS

Aminopherases in the blood serum of healthy children and the change in their activity in Botkin's disease. R.E.Bronshtein. Trudy Tadzh. med. inst. 50:97-101 '61.

Some characteristics of the blood coagulation system in Botkin's disease during pregnancy. N.N Elizarov Akush. i gin. 39 no. 5:61-65 S-O '63.

Tareev, E.M., and A.K.Shubladze, eds. [Epidemic hepatitis; Botkin's disease] Epidemicheskii gepatit; bolezn' Botkina Moskva, Meditsina, 1964. 198 p. (DNLM)

HEPTACHLOR—TOXICOLOGY

Changes in phosphorylase activity in some organs of white rats under the effect of heptakhlor. F.O.Onikiienko. Fiziol. zhur. 10 no. 1:125-127 '64.

HEPTANE

Viscosity of liquid and gaseous n-heptane and n-octane at high pressures and different temperatures. N A Agaev, I.F.Golubev. Gaz. prom. 8 no 7:50-53 '63.

HEPTANE, EFFECT OF RADIATION ON

Internal photoeffect in solid heptane irradiated by fast electrons. E.L.Frankevich, B.S.IAkovlev. Izv. AN SSSR. Ser. khim. no.7:1357-1358 Jl '64.

HEPTANOIC ACID

Catalytic synthesis of α-alkyl-γ-ketoenanthic esters. N.I.Shuikin, I.F.Bel'skii, V.M.Shostakovskii. Zhur. ob. khim. 34 no.7:2118-2120 Jl '64.

HERBALS *see* Materia medica, Vegetable

HERBICIDES

Effect of some herbicides on soil mycoflora. E.S. Lebed'. Nauch. dokl. vys. shkoly; biol. nauki no. 3:171-176 '64.

Herbicides as an important factor in the increase of crop yields. G.A.Chesalin. Agrokhimiia no 1 110-116 Ja '64

Morphological changes in the varieties of fiber flax treated with growth regulating herbicides. A.P.Valyneta, S.M.Mashtakou. Vestsi AN BSSR. Ser. biial. nav. no. 4:33-39 '62.

Use of dichloropropionate and murbetol in sugar beet fields. N.N.Korenev. Khim. v sel'. khoz. 2 no.4: 40-42 Ap '64.

HERBICIDES—TESTING

Testing herbicides in sunflower fields. V.N.Rudenko. Khim. v sel'. khoz. 2 no.4:46-47 Ap '64.

HEREDITY OF DISEASE

Factor of congenital predisposition in the structure of involutional paranoid. I.S.Sumbaev. Trudy Gos. nauch.-issl. inst. psikh. 40:41-48 '63.

"Family schizophrenia" in its circular form. M.S. Zeleva. Trudy Gos. nauch.-issl. inst. psikh. 40:227-236 '63.

Hereditary paralysis of the facial nerve. V.S.Rosin. Zhur. nevr. i psikh. 63 no. 9:1320-1321 '63.

Role of hereditary factors in the etiology of leukemia in man (familial leukemia). V.V.Akkerman. Probl. gemat. i perel. krovi 8 no. 8:3-8 Ag '63.

HERMAPHRODITISM

Surgical treatment of pseudohemaphroditism in women M.V.Dubnov. Akush. i gin. 39 no 5:134-136 S-O '63

HERRING *see* subdivision under Atlantic Ocean; Lofoten Islands; Norwegian Sea

HERRING FISHERIES

(see also subdivision under Barents Sea; Norwegian Sea)

Method of the purse seining of herring with the help of echo-sounding devices. A A Degtiarev. Mat. rybokh. issl. Sev bas no 1 17-21 '63

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

From the history of the Russian liberal thought in the sixties of the 19th century L A.Kogan Vop. filos 18 no 6 110-117 '64

HETEROCYCLIC COMPOUNDS

Catalytic dehydrocyclization of diethyl ether with the formation of a five-membered heterocyclic system A.L Liberman, O.V.Bragin, T.V.Vasina. Izv. AN SSSR. Ser. khim. no 7:1352-1354 Jl '64.

Potentiometric titration of heterocyclic nitrogen-containing compounds and their mixtures in a methyl ethyl ketone medium. A.P.Kreshkov, N.Sh.Aldarova. Zhur. anal khim. 19 no.5.537-540 '64.

HETEROSIS

Effect of environment on the heterosis manifestation in the ontogeny of tomato hybrids. S.I.Naibut, V.I. Khropova. Nauch. dokl. vys. shkoly; biol. nauki no. 1. 177-183 '64.

HETEROZYGOSIS

Characteristics of sugar beet autotetraploids in connection with the level of their heterozygosis. V.A.Panin Dokl. AN SSSR 158 no. 1:206-207 S-O '64.

HEXADECANOL

Mechanism of the retardation of water evaporation by 1-hexadecanol monolayers. T.V.Krmoian, R.K Pogosian. Izv AN Arm. SSR. Khim. nauki 16 no. 2:107-116 '63

HEXADIENE

Investigating the dehydration of hexanediol-2,5 into hexadienes in the presence of acid catalysts. L.Kh. Freidlin, V.Z.Sharf, M.A.Abidov. Neftekhimiia 4 no. 2 306-313 Mr-Ap '64.

HEXADIENOL

Complex compounds of chromium and iron with 1-dimethylamino-5-methyl-2,3-hexadien-5-ol. S.N.Avakian, R.A.Karapetian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:535-538 '63.

HEXAMETHYLENETETRAMINE—THERMODYNAMICS

Measurement and calculation of certain thermodynamic characteristics of adamantane and hexamethylenetetramine. K.V.Mirskaia. Kristallografiia 8 no. 2:221-228 Mr-Ap '63.

HEXANE

Amination of 1-cyano-6-chlorohexane, a product of telomerization of ethylene by cyanogen chloride. N.I. Vasil'eva, R.Kh.Freidlina. Izv. AN SSSR. Ser. khim. no.7:1233-1236 Jl '64.

Conversions of n-hexane on an aluminum-chromium-potassium catalyst under reduced pressure. IU.N. Plotnikov, E.A.Timofeeva, N.I.Shuikin. Neftekhimiia 4 no. 2:225-228 Mr-Ap '64.

HEXANE—ELECTRIC PROPERTIES

Pulse conductance of H-hexane. O.O.Protopopov. Ukr. fiz. zhur. 8 no. 9:1039-1041 S '63.

HEXANEDIOL

Investigating the dehydration of hexanediol-2,5 into hexadienes in the presence of acid catalysts. L.Kh. Freidlin, V.Z.Sharf, M.A.Abidov. Neftekhimiia 4 no. 2:306-313 Mr-Ap '64.

HEXANOIC ACID

Kinetics of conversion of 6,6-nitrohydroxyiminohexanoic acid to adipic acid. I.IA.Lubianitskii, R.V.Minail, M.S.Furman. Zhur. fiz. khim. 36 no. 3:567-574 Mr '62.

HEXATRIENE

Chemistry of divinylacetylene and its halo derivatives. Report No. 15: Copolymerization of trans-2,3,4,5-tetrachloro-1,3,5-hexatriene with vinyl chloride and vinylidene chloride. G.E.Krbekian, E.G.Sinanian, A.N.Akopian. Izv. AN Arm. SSR. Khim. nauki 16 no 2 145-150 '63.

HEXENAL

Chemistry of acetals. Report No. 15: Selective hydrolysis of 1,1,3-triethoxy-4-hexene and some reactions of 3-ethoxy-4-hexenal. I.I.Nazarova, L.A.IAnovskaia, V.F.Kucherov. Izv. AN SSSR. Ser. khim. no.7:1245-1249 Jl '64.

HEXENE

Chemistry of acetals. Report No. 15: Selective hydrolysis of 1,1,3-triethoxy-4-hexene and some reactions of 3-ethoxy-4-hexenal. I.I.Nazarova, L.A.IAnovskaia, V.F.Kucherov. Izv. AN SSSR. Ser. khim. no.7:1245-1249 Jl '64.

HEXENE (Continued)

Displacement of double bonds in hexenes in the presence of platinum catalysts Neftekhimiia 4 no 2 215-218 Mr-Ap '64

HEXOBARBITAL

Effect of tofranil on the action of hexenal, chloral hydrate and morphine in mice. I. P. Lapin. Farm. i toks. 26 no. 5:564-568 S-O '63.

HIBERNATION

Changes in external and internal secretions of the pancreas during hibernation and hypothermia. D.N. Buachidze. Trudy Inst. eksp. i klin khir i gemat. AN Gruz. SSR 11:41-48 '63.

HIDES AND SKINS
(see also subdivision under Kazakhstan)

"Fur and garment sheepskins" by A. N. Mashkov. Reviewed by L. A. Mitrofanova. Kozh.-obuv. prom. 6 no. 7:39-40 Jl '64.

HIDES AND SKINS—MARKETING
(see also subdivision under Ukraine)

Why are the hunters neglected? I. Guliaev. Zakup. sel'-khoz. prod no 1.56 Ja '64.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH PRESSURE (SCIENCE)

Effect of high pressure on the phase equilibrium line of the eutectoid part of the iron-carbon diagram. T. P. Ershova, E. G. Poniatovskii. Fiz. met. i metalloved. 17 no. 4:584-591 Ap '64.

HIGH PRESSURE RESEARCH—EQUIPMENT AND SUPPLIES

Determination of graduation curves for superhigh-pressure plants. D.S. Mirinskii. PMTF no. 2:106-111 Mr-Ap '64.

HIGH-PRESSURE STEAM see Steam, High-pressure

HIGHER EDUCATION see Education, Higher

HILBERT SPACE

Some properties of solutions to nonlinear hyperbolic equations in Hilbert space. IA. D. Mamedov. Dokl. AN SSSR 158 no. 1:45-48 S-O '64.

Stochastic differential equations in Hilbert space. T. L. Chantladze. Soob. AN Gruz. SSR 33 no. 3:529-534 Mr '64.

HINDI LANGUAGE—MOOD

Liperovskii, V. P. [Category of mood in modern literary Hindi] Kategoriia nakloneniia v sovremennom literaturnom khindi. Moskva, Nauka, 1964. 66 p.

HINGES

Convenient hinges Izobr. i rats. no. 6.26 '64.

HISTAMINE

Correlation between adrenaline and histamine in the blood in adrenaline load under normal conditions and in some forms of neural pathology. I. L. Voisfel'd, S. V. Ugoleva. Pat. fiziol. i eksp. terap. 6 no. 4:78-79 Jl-Ag '62.

Effect of pantothenic acid and a mixture of globulins and histamine in experimental gastric ulcer. P. Georgiu, D. Dobiescu. Farm. i toks. 26 no. 2:226-227 Mr-Ap '63.

Histamine - histaminase system in the state of stress caused by increased muscular work and chilling. K. A. Korovaikov. Vop. med. khim. 9 no. 2:137-142 Mr-Ap '63.

HISTOCHEMISTRY

Histochemical characteristics of glycogen and acid mucopolysaccharides in tuberculous nodules and exudative foci. S.S. Kasab'ian. Probl. tub. 42 no. 1: 69-73 '64.

Histochemical characteristics of postembryonal histogenesis in the heart of the white rat. A. F. Sukhanov, D. V. Vinogradova. Arkh. anat. gist. i embr. 45 no. 11: 62-65 N '63.

Method for multicolored staining of the gastric mucosa based on the histochemical detection of acid and neutral mucopolysaccharides, proteins and nucleic acids. M. G Shubich, G. I. Kulakh. Arkh. anat., gist. i embr 43 no. 11:112-113 N '62.

Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. A. S. Slepykh, A. S. Gordeladze. Akush. i gin. 39 no. 5:103-110 S-O '63.

Study of histochemical changes in the fibrous structures of the derma in the process of chemical cancerogenesis. L. K. Sharashidze, R. V. Bulusashvili, R. M. Kochakidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11: 103-110 '63.

HISTOLOGY

Plenum of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists, Voronezh, June 11-12, 1963. L. E. *Etingen*. Arkh. anat., gist. i embr. 45 no. 12:74-79 D '63.

Results of the histological study of the uterine wall in the cicatrical area after repeated cesarean sections N. I. Tiurina. Akush i gin 39 no 5:97-102 S-O '63.

HISTOLOGY—ATLASES

"Atlas of the microscopic structure of tissues and organs, practical exercises for students in histology" By V. G. Eliseev, IU. I. Afanas'ev, E. F. Kotovskii. Reviewed by M. IA. Levina, L. D. Martsinkevich. Arkh. anat., gist. i embr. 43 no. 8.115-119 Ag '62.

HISTOLOGY—CONGRESSES

Gistologicheskaia konferentsiia po probleme 'Reaktivnost' i plastichnost' epiteliia i soedinitel'noi tkani v normal'nykh, eksperimental'nykh i patologicheskikh usloviiakh, posviashchennaia pamiati chlena-korrespondenta AMN SSSR Professor F. M. Lazarenko, Orenburg, 1960. [Materials of the Histological Conference on the Problem 'Reactivity and Plasticity of the Epithelium and Connective Tissue Under Normal Experimental and Pathological Conditions" dedicated to the memory of Professor F. M. Lazarenko, corresponding member of the Academy of Medical Sciences of the U. S. S. R.] Materialy. Orenburg, Orenburgskii sel'khoz. in-t, 1962. 165 p.

[MICROFILM]

HISTOLOGY—EQUIPMENT AND SUPPLIES

Macrotome. IU. G. Tiniakov. Arkh. pat. 26 no. 2:86 '64.

HISTOLOGY—TERMINOLOGY

Histological terminology. IU. T. Tokhver. Arkh. anat., gist. i embr 43 no. 11:3-11 N '62.

HISTORICAL MUSEUMS see subdivision under Kiev

HISTORICAL RESEARCH
(see also subdivision under Amsterdam)

List of dissertations submitted for the defense of the candidate of history degree of 1961 Vop ist 39 no. 7 162-165 Jl '64

HISTORY

Reviews of Soviet publications. Vop ist. 39 no 7:202 Jl '64

"Studies on the history of the U. S. S. R.; 1917-1962." Reviewed by A. N. Kuz'min. Vech. sred. shkola 7 no. 2: 87-88 Mr-Ap '64.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—METHODOLOGY

"History and its methods" [in French] Reviewed by IU. IA. Flit Vop ist 39 no. 7 179-183 Jl '64.

HISTORY—PERIODICALS

Articles in Soviet historical journals. Vop. ist. 39 no. 7: 155-159 Jl '64.

HISTORY—PHILOSOPHY

Philosophy of hopeless optimism. V. B. Kar'eva Vop. filos. 18 no. 7:178-181 '64.

Seminar on the philosophical problems of the science of history G V. Dubov Vop. ist. 39 no. 7.150-162 Jl '64.

HISTORY—STUDY AND TEACHING

History. M. S. Vasil'eva. Nach. shkola 32 no. 8:23-27 Ag '64.

"Independent work of students in fourth grade history classes" by M. S. Vasil'eva, T. M Sergeeva. Nach. shkola 32 no. 8:93-94 *Ag* '64.

[Problems in teaching the history of the U. S. S. R. in grades 10-11; from practical experience] Voprosy prepodavaniia istorii SSSR v X-XI klassakh; iz opyta raboty. Sbornik statei. Moskva, Uchpedgiz, 1963. 166 p. (Iz opyta uchitelia)

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; history] Programmy vos'miletnei shkoly; istoriia. Moskva, Prosveshchenie, 1964. 62 p.

Studying the laws of social development. N. Dairi. Nar obr. no. 8:42-49 Ag '64.

HO-CHI-MINH, 1894?-

[Our President Ho-Chi-Minh] Nash Prezident Kho Shi-Min. [By] Khoai Tkhan' i dr. Hanoi, Izd-vo lit-ry na inostr. iazykakh, 1963. 266 p.

HODGKIN'S DISEASE

Case of lymphogranulomatosis treated with aurantine. N. S. Turbina, N. S. Rozanova, T. N. Pevzner. Probl. gemat. i perel. krovi 8 no. 8:63-66 Ag '63.

Changes in some glycoprotein components of blood serum in lymphogranulomatosis. N. Z. Piradashvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:229-232 '63.

Combined treatment of chronic myeloleukosis and lymphogranulomatosis with aurantin and X-rays. I. B. Gurevich, N. S. Turbina. Med. rad. 8 no. 12:3-8 D '63.

Comparative evaluation of the effectiveness of some methods of treating lymphogranulomatosis. M. G. Masik, E. I. Barba. Probl. gemat. i perel. krovi 8 no. 8:57 Ag '63.

Effect of pregnancy on the course of lymphogranulomatosis. M. M. Nivinskaia, M. S. Starichkov. Vop. onk. 9 no. 6:31-34 '63.

HOG CHOLERA

Histochemical study of ribonucleoproteins and glycogen of myocardium in hog cholera. N. I Arkhipov Veterinariia 41 no 4 12-14 Ap '64

HOG CHOLERA—PREVENTIVE INOCULATION

Immunization of swine against cholera and pasteurellosis. V. P Zelenskii, B IA Liabin. Veterinariia 41 no 4:47-49 Ap '64

HOISTING MACHINERY
(see also subdivision under Leningrad)

Analyzing resistances during the hoisting of an inserted tool. A. Z. Romanov. Trudy VNIIBT no. 7:39-62 '63.

Attachment to the APR-2 automatic device for hoisting and lowering rods. V. A Bryzgin, E P. Belov Nefteprom delo no 7:31-32 '64

Determining the machine time for hoisting a drilling tool with stepless change in speed. V. I. Tarasevich Mash. i neft. obor. no. 2:23-25 '64.

Experimental determination of the dynamic forces in the hoisting components of a drilling rig. V. I Tarasevich Mash. i neft. obor. no. 2:21-24 '63.

Investigation of the starting operation of draw works considering the mechanical characteristics of the power engine. K. N. Kulizade, A. A. Saidov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:23-29 '63.

New powerful hydrodynamic brake for drilling draw works. V. E. Timofeev. Mash. i neft. obor. no. 2:3-7 '63.

HOISTING MACHINERY—BRAKES

Selecting the parameters of draw-works braking devices. I. N. Sulkhanishvili. Mash. i neft. obor. no. 4:19-22 '63.

HOME AND SCHOOL

Discussion between teacher and parents. D. I. Perfil'evskaia. Nach. shkola 32 no. 8:81-86 Ag '64.

Together with parents. F. Gusev. Nar. obr no. 8:20-24 Ag '64

HOMOGRAFTS

Second All-Union Conference on Homotransplantation of Organs and Tissues. E. A. Zotikov. Pat. fiziol. i eksp. terap. 6 no. 4.89-92 Jl-Ag '62.

HOMOLOGY THEORY

Use of homology in converting two second-order curves into two circles Z. A. Skopets Izv vys. ucheb. zav., mat. no 2:139-143 '64

HOMOPTERA, FOSSIL see subdivision under Stavropol region

HOMOTOPY THEORY

Foliation in codimension one. S. P. Novikov. Dokl. AN SSSR 157 no. 4:788-790 Ag '64.

Smooth structures on manifolds having edges. V. L. Golo. Dokl. AN SSSR 157 no. 1:23-25 Jl '64.

HONEGGER, ARTHUR, 1892-1955

Honeggers' "military" symphonies. B. IArustovskii Sov muz 28 no 1 112-121 Ja '64.

HONEY see subdivision under Melitopol'

HOOFS—DISEASES

First aid and prevention of dewclaw diseases in farm animals on animal farms. M. I. Gasanov, M. A. Fel'dshtein, S. N. Mart'ianov. Dokl. AN Azerb. SSR 19 no. 3: 71-73 '63.

HOOKWORM DISEASE

Results of mass treatment of ancylostomiasis with alcopar (naphthamon). E. A. Zhitnitskaia. Med. paraz. i paraz. bol. 32 no. 4:389-394 Jl-Ag '63.

HOOKWORMS

Naphthamon treatment of necatoriasis. Sh. M. Bugianishvili, A. S. Machavariani, V. M. Kvachadze. Med. paraz. i paraz. bol. 32 no. 4:486 Jl-Ag '63.

HOOVER, HERBERT CLARK, 1874-

Idealization of H. Hoover's activities. N. V. Sivachev. Vop. ist. 39 no. 7.196-197 Jl '64

HOPPERS

Waterproof polymer coating for the inside surfaces of reinforced concrete hoppers. P. A. Severin, N. M. Epimakhov. Koks i khim. no. 6:52-53 '64.

HOPPERS—MODELS

Investigating the model of a charging apparatus with a rotating chute. A. N. Pokhvisnev, E. F. Vegman, A. A. Vagin. Stal' 23 no. 4:299-300 Ap '64.

HORMONE THERAPY

Hormonal therapy of the "ascitic forms" of liver cirrhosis. D. M. Abdulaev, G. M. Isazade. Azerb. med. zhur. no. 6:7-13 Je '62.

Bookshelf. TSitologiia 5 no.4.465,484 Jl-Ag '63.

Some data on the effect of vertebrate hormones on the neurosecretory system of insects A A Voitkevich, L K Leonova Dokl AN SSSR 157 no 1 236-239 Jl '64

HORMONES, SEX

Role of male and female sex hormones in the origination and maintenance of the sexual instinct in women A. M. Raskin, L.L.Liberman. Trudy Gos nauch -issl. psikhonevr.inst. 29·359-367 '63

HORSEFLIES see subdivision under Bashkiria; Yenisey Valley

HORSES—DISEASES AND PESTS

Methods of the diagnosis of rabies and infectious encephalomyelitis in horses N I Rudikov Veterinariia 41 no 4 14-16 Ap '64

HORSETAIL, FOSSIL

Critical review of some Jurassic species of horsetails G V Delle. Bot zhur 49 no 5 720-725 My '64

HORTICULTURE see subdivision under Geok-Tepe District

HOSE

How to prevent the hose failure of hydraulic systems in building machines. S.V.Kandyba. Mekh.stroi. 20 no.7:21-22 Jl '63.

HOSPITAL LIBRARIES

In the library of the health resort. S Izvekova. Bibliotekar' no 8.49-50 Ag '64

HOSPITALS

Phage typing of staphylococci, a pathogen of infections in hospitals; review of literature. M.D.Krylova. Akush.i gin. 40 no.1:3-8 Ja-F '64.

Some results of the work of a helminthological day infirmary. N.K.Panteleeva. Med.paraz.i paraz.bol. 32 no.4:490-492 Jl-Ag '63

HOSPITALS—OUTPATIENT SERVICES

Freidlin, S.IA., ed. [Dispensary service for the urban population] Dispanserizatsiia gorodskogo naseleniia. [Leningrad] Meditsina. 1964. 349 p.
(DNLM)

HOSPITALS, MILITARY

Socialist competition in the military hospital. E.R. Gvazava. Voen.-med.zhur. no.1.10-12 '63.

HOSPITALS, RURAL see subdivision under Krasnodar Territory

HOT-WATER HEATING

Determination of the water flow-in factor in single-pipe heating systems with closing sectors in variable operation. IU.P.Sokolov. Izv.vys.ucheb zav., energ. 7 no.6 105-108 Je '64.

HOURS OF LABOR

New standard regulations. Sov.profsoiuzy 20 no.14·43 Jl '64.

HOUSE DRAINAGE see Drainage, House

HOUSING—ACCOUNTING

Business accounting in housing E.I.IAnovskaia. Sbor. nauch rab.AKKH no.16 94-99 '62.

HOUSING—LAW AND LEGISLATION

Isarov, G.Z. [Apartment tenants' manual in questions and answers] Spravochnik kvartiros"emshchika v voprosakh i otvetakh 3., dop. izd. Moskva, Izd-vo lit-ry po stroit. "Stroiizdat," 1964. 103 p.

HOUSING, COOPERATIVE

Consultation on the problems of labor legislation, wages, and cooperative housing. Razved.i okh.nedr 30 no.2: 59-61 F '64.

HOUSING FOR PHYSICALLY HANDICAPPED see subdivision under Ukhta (Komi A.S.S.R.)

HULLS (NAVAL ARCHITECTURE)

Beilak, IU.L. [Experimental investigation of the strength of ship hulls] Eksperimental'noe issledovanie prochnosti korpusov sudov. Leningrad, Sudostroenie, 1964. 229 p.

HUMAN ANATOMY see Anatomy, Human

HUMAN EMBRYOLOGY see Embryology, Human

HUMAN ENGINEERING

Work, technology, aesthetics. S.Ivanov. Nov.mir. 39 no.4:196-201 Ap '63.

HUMERUS

Functional-morphological characteristics of muscles of the humerus and scapula in animals with different types of locomotion. N.A.Bodrova. Arkh.anat., gist. i embr. 45 no.12:51-56 D '63.

HUMIDITY

Automatic control of the humidity of the air in the holds of dry-cargo ships. A.E.Pass. Ekon i ekspl.mor. transp. no.1:83-90 '63.

Humidity and radar. IU.Sergeev Tekh i vooruzh. no.3. 50-51 Mr '64.

In rainy and dry weather. N Lialiuk Tekh.i vooruzh no 3:50-51 Mr '64.

HUMUS
(see also subdivision under Volga Valley)

Biochemical processes in virgin and reclaimed peat-bog soils. T.F.Golub Pochvovedenie no.7:45-54 Jl '64.

Effect of oak plantations on the humus content of dark Chestnut and Ciscaucasian Chernozem soils V.A. Mel'chanov. Pochvovedenie no 7 54-59 Jl '64

"Organic matter of soil, its nature, properties and methods of study" by M M Kononova Reviewed by A V. Sokolov Agrokhimiia no 1 141 Ja '64

Role of continuous use of fertilizers, crop rotation, and monocultures in the change of the organic matter in Podzolic soils. A M.Lykov. Izv TSKHA no.6.57-63 '63

HUNGARY—COMMUNIST PARTY

Review of foreign historical — party journals. Vop ist. KPSS 8 no.8:141-142 Ag '64.

HUNGARY—INDUSTRIAL ENGINEERING

For public benefit. A.Chistov. NTO 6 no.5:55-57 My '64.

HUNGARY—NEUROANATOMY

Some neurohistological investigations in Hungary; impressions from a trip to the Hungarian People's Republic. V.P.Babmindara. Arkh.anat., gist.i embr. 43 no.8:122-124 Ag '62.

HUNGARY—OPEN-HEARTH FURNACES—COOLING

Operation in Hungary of open-hearth furnace parts necessitating cooling. Z.Vadas Stal' 23 no.4·380-381 Ap '64

HUNTING

[Hunting grounds] Okhotnich'i prostory. Moskva, Fizkul'tura i sport.
Vol.20. 1964. 230 p.

HURRICANES

Tiron, Z.M. [Hurricanes] Uragany. Leningrad, Gidrometeor.izd-vo, 1964. 237 p. (Na sushe, v more, v vozdukhe)

HYALURONIDASE

Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P. E.L Lerner Akush.i gin 39 no.5:47-51 S-O '63.

Examination of the hyaluronidase activity of the urine in assessing the activity of the rheumatic process. E.I. Tanlukhina. Biul.eksp.biol.i med. 55 [i.e. 56] no.10. 22-25 O '63.

Use of lidase in the control of perineal injuries and anesthesia in the second period of labor. I N. Rembez. Akush i gin 39 no.5:128-129 S-O '63.

HYDATIDS see subdivision under Magadan Province

HYDRATES

Dielectric polarization of crystal hydrates of indium-rubidium sulfate. V.M.Ezuchevskaia, IA.K.Syrkin, E.N.Deichman. Zhur.neorg.khim. 9 no.6:1495 Je '64.

Role of hydrogen bonding in the structures of crystalline hydrates of compound thiocyanates of metals. Z.V. Zvonkova, A.N.Rodionov, Z.P.Povet'eva. Kristallografiia 8 no.2.275-277 Mr-Ap '63.

HYDRATION

Anion and cation interaction with molecules of a solvent and the volumetric effects of hydration. I.V.Litvinenko. Ukr.fiz.zhur. 9 no.4:405-412 Ap '64.

Determination of the degree of hydration of extracted substances. A.M.Rozen, I.IA.Sabaev, I.N.Shokin. Zhur.neorg.khim. 9 no.6:1455-1464 Je '64.

Mechanism of the hydration and structure of aquo ions. N.D.Biriukov. Izv.Sib.otd.AN SSSR no.8:40-52 '62.

Theory of the hydration of ions in aqueous solutions. M.N.Buslaeva. Zhur.fiz.khim. 38 no.2:529-530 F '64.

HYDRAULIC CONVEYING
(see also subdivision under Donets Basin)

Present day stage in the development of hydraulic conveying in the coal industry. A.O.Spivakovskii, A.E.Smoldyrev. Ugol' 39 no.5:42-48 My '64.

HYDRAULIC CONVEYING—TESTING

Studying resistance coefficients of load carrying cylinders moving in pipes. G.T.Shapoval. Izv.vys.ucheb.zav.; gor.zhur. 7 no.3:129-135 '64.

HYDRAULIC ENGINEERING
(see also subdivision under Vakhsh River)

Determining the possibilities of undermining reservoirs according to the degree of the deformation of the layer, distribution, and capacity of water retainers N.F. Shelaginov. [Trudy] VNIMI no.47:200-206 '62.

"Earthwork. Regulations on the carrying out and acceptance of hydromechanized and excavation work." Biul.stroi.tekh. 20 no.7:29-30 Jl '63.

Laboratory hydraulic studies of a hydraulic complex. A M.Latyshenkov, V.A IArotskii. Trudy Gidrav.lab. VODGEO no 10:237-246 '63.

Problem of calculating layer and circular drains used in industrial and city construction. A.Zh.Muftakhov. Trudy Lab.inzh.gidrogeol.VODGEO no.5 95-123 '63.

Unification of structures for marine construction. V.M. Rozenberg. Transp.stroi. 13 no.10 22-25 O '63.

Using the method of approximation to determine lateral dimensions of a self scouring bed in gravel and pebbly soils G.A TSoi. Vop gidr. no 13 140-144 '63

HYDRAULIC MACHINERY

Khorin, V.N., S.N.Fateev, and A.I.Chernyshev. [High-torque hydraulic motors in mining machinery construction] Vysokomomentnye gidrodvigateli v gornom mashinostroenii. Moskva, Nedra, 1964. 116 p.

New powerful hydrodynamic brake for drilling draw works V E.Timofeev. Mash i neft.obor no.2 3-7 '63.

HYDRAULIC MINING

Characteristics of the manifestation of bearing pressure while mining flat seams using the hydraulic method. F.P.Bublik, V F.Antuf'ev. [Trudy]VNIMI no.47:3-9 '62.

Hydraulic coal mining at the Polysaevo-Severnaya mine. V F.Stepanov. Ugol' 39 no.5.49-51 My '64.

Hydraulic mining at the Nazarovo strip mine. A.M. Gus'kov, M.A.Zhediaevskii. Ugol' 39 no.5:41-42 My '64.

Jet pumps for transporting rocks during drifting. N.S. Bolotskikh. Ugol' Ukr. 7 no 9:38-39 S '63.

Parameters of the extraction area of a hydraulic mine G.A Strekachinskii. Izv.Sib otd AN SSSR no.7:21-28 '62.

Possible use of pulsating jets for the breaking down of rocks B V.Voitsekhovskii, V A.Izosimov, N F. Olen'kov Izv.Sib.otd AN SSSR no 9 117-120 '62

Roof control in sublevel hydraulic breaking. G.I. Shvetsov. Zap.LGI 48 no.1:80-86 '63.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Khorin, V.N., S.N.Fateev, and A.I.Chernyshev. [High-torque hydraulic motors in mining machinery construction] Vysokomomentnye gidrodvigateli v gornom mashinostroenii. Moskva, Nedra, 1964. 116 p.

HYDRAULIC PRESSES

Modernized nine-story hydraulic press for producing boards from wood wastes. M.S.Finkel'shtein. Stroi. mat. 9 no.6:18 Je '63.

Role of a bulb in a hydraulic press system. D.V. Rogozkin Sbor nauch.trud.KGRI no 10:3 2-391 '61.

HYDRAULIC STRUCTURES
(see also subdivision under Syr Darya)

Gates made of plastic materials. L.I.Serdiuk, A.L. Pevzner. Trudy Giprovodkhoza no.22·141-144 '63.

Materials on the characteristic interaction of waves with sloping walls. A.S.Ofitserov. Trudy Gidrav.lab. VODGEO no.10.5-37 '63.

Operation and maintenance of machinery in construction of hydraulic structures. A.S.Vlasov. Energ.stroi. no.33:62-68 '63.

Protecting gentle slopes with groins. IA.E Gugniaev. Trudy Gidrav.lab.VODGEO no.10:62-82 '63.

HYDRAULIC TURBINES

Comparison of the properties of principal schematics of composite optimalizing control systems. Part 1. O.H. Yvakhnenko. Avtomatyka 9 no.4:15-29 '64.

Gate mechanism of a hydraulic turbine for the Krasnoiarsk Hydroelectric Power Station. M I.Gal'perin. Energomashinostroenie 10 no.5·45 My '64

Optimum control of the regulator of a hydraulic turbine. E.N.Fomina. Sbor.rab.po vop.elektromekh. no.10: 286-289 '63.

Theory of a load-throwing disc of a Francis-type hydraulic turbine. M.M.Orakhelashvili. Energomashinostroenie 10 no 5:13-17 My '64.

Work of the Central Scientific Research Institute for Boilers and Turbines. L.I.Ponarskii. Energomashinostroenie 10 no.5:48 My '64.

HYDRAULIC TURBINES—MAINTENANCE AND REPAIR

Repair of the rotor wheel of a hydraulic turbine using built-up welding with a cavitation resistant layer. S.L. Milichenko and others. Elek.sta. 35 no.5:37-41 My '64.

HYDRAULICS

Seminar on the Use of Electronic Computers in Hydraulics. N.A.Pritvits. Izv.SO AN SSSR no.2.Ser.tekh. nauk no.1:139-141 '64.

Slowing down of open currents. B.T.Emtsev. Izv.vys. ucheb.zav.; energ. 7 no.7:74-79 Jl '64.

HYDRAZIDES

f dibasic
K.A.
Dop.AN

RAZIDES (Continued)

Oxalic acid amides and hydrazides. Part 6: Oxaminoyl hydrazones and β-acylhydrazides of N-substituted oxaminic acids. F A.Petiunin, M.V Zakaliuzhnyi. Zhur. ob.khim. 34 no.7·2121-2125 Jl '64.

Synthesis of compounds in the series of natural α-amino acid hydrazides. Part 2 Hydrazides of some N-acetyl-α-amino acids and their derivatives L.B. Radina, N M.Khvorova, Z V.Pushkareva Zhur.ob. khim. 34 no 7:2140-2145 Jl '64

Ureides, phenylhydrazides, and isothiouronium derivatives of ω-chlorocarboxylic acids. F K Velichko, B.I.Keda, S D.Polikarpova Zhur.ob khim 34 no 7:2356-2358 Jl '64.

DRAZINE

Acetone method of determining acids in hydrazine salts V.M.Aksenenko, L G.Fedotova Zav.lab. 30 no 6·671-672 '64

Hydrazine treatment of feed water for high-pressure boilers at the "Severnaia" State Regional Heat Power Station. K.M.Abdullaev, R I.Melikova. Za tekh. prog. 3 no.11;13-15 N '63.

Interaction of asymm-diethylhydrazine with some aliphatic ketones. N.A.Domnin, L.P.Ivanova, V.A. Cherkasova. Zhur.ob.khim. 34 no 7;2116-2118 Jl-'64.

Interaction of β-diketones of the aliphatic series with asymmetrical N,N-dialkyl hydrazines N.A.Domnin, S.I.IAkimovich. Zhur.ob.khim. 34 no.7;2467 Jl '64.

Interaction of molybdates with hydrazine sulfate. Report No.1. E.V.Ankudimova. Trudy NPI 143:11-15 '63.

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Monomethyl hydrazine; digest of foreign literature] Monometilgidrazin; obzor zarubezhnoi literatury. Moskva, 1963. 16 p. (Seriia: Neftepererabotka)

[MICROFILM]

Reaction of tetrafluorohydrazine with potassium iodide aqueous solution. A.V.Pankratov and others. Zhur. neorg.khim. 9 no.6;1517-1519 Je '64.

ransformations of 3-hydrazinopyridazine[4,5,6-m,1]-fluorene N.S.Dokunikhin, S.A.Mikhalenko. Zhur.ob. khim. 34 no.7;2473-2474 Jl '64.

DRAZONES

xalic acid amides and hydrazides. Part 6: Oxaminoyl hydrazones and β-acylhydrazides of N-substituted oxaminic acids. P.A.Petiunin, M.V.Zakaliuzhnyi. Zhur.ob.khim. 34 no.7;2121-2125 Jl '64.

DRIDES

Calculation of a spectroscopic mass of hydrogen and deuterium of pyramidal hydrides and deuterides. V.N. Khlebnikova, V.P.Morozov. Trudy DKHTI no.16;7-26 '62.

DRIDES—THERMODYNAMICS

Thermodynamic functions of tetrahedral hydrides and their deutero derivatives. D.S.Koval'chuk, V.P.Morozov. Trudy DKHTI no.16;1-6 '62.

DRIODIC ACID

Ion exchange method of producing hydrobromic and hydriodic acids. A.I.Vulikh, V.L.Bogatyrev. Izv.Sib. otd. AN SSSR no.8;53-64 '62.

inetics and the mechanism of addition of hydrogen iodide o multiple carbon-carbon bonds in organic solvents. Part 2: Addition of hydrogen iodide to cyclohexene in enzene. G.F.Dvorko, E.A.Shilov. Kin.i kat. 5 no.2; 240-246 Mr-Ap '64.

DROBIOLOGY

(see also subdivision under Kakhovka Reservoir)

kademiia nauk SSSR. Zoologicheskii institut. [Radioactive isotopes in hydrobiology and the methods of sanitary hydrobiology] Radioaktivnye izotopy v gidrobiologii i metody sanitarnoi gidrobiologii. Otv. red. V.I.Zhadin. Moskva, Nauka, 1964. 191 p.

DROBROMIC ACID

Ion exchange method of producing hydrobromic and hydriodic acids. A.I.Vulikh, V.L.Bogatyrev. Izv.Sib. otd. AN SSSR no.8;53-64 '62.

DROCARBONS

(see also subdivision under Khibiny Mountains; Turkmenistan)

entral Asian Conference on Petroleum Chemistry and Chemical Reprocessing of Hydrocarbon Gases. V.A. Garbalinskii, M.S.Shneer. Izv. AN Turk.SSR.Ser. fiz.-tekh.,khim.i geol.nauk no.2·124-125 '63.

ehydration of hydrocarbon solvents with silica gel. L.V.Talisman, V.I.Fomina, N.I.Korokhova. Nefteper.i neftekhim. no.5;34-38 '63.

ehydrogenation of alkyl aromatic hydrocarbons in a fluidized bed of various oxide catalysts. IU.G.Mamedaliev and others. Dokl.AN Azerb.SSR 20 no.5;7-10 '64.

Improved petroleum absorber for the adsorption of benzene hydrocarbons. IU.N.Garber and others. Koks i khim. no.6;43-46 '64.

Isolation of the solid hydrocarbon phase in wells in paraffinic petroleum production. V.N.Shipulin. Izv.vys. ucheb.zav.; neft' i gaz 6 no.7;33-36 '63.

Mean isobaric heat capacity of solid hydrocarbons as dependent on the molecular volume and melting points [with summary in English]. G.S.Shimonaev. Zhur. fiz.khim. 38 no.2 411-414 F '64.

Mechanism of decarboxylation of acids in the liquid phase oxidation of hydrocarbons. Role of polar factors in free radical reactions. I.V.Berezin, A.M.Ragimova. Zhur. fiz.khim. 36 no.3,581-587 Mr '62.

Obtaining acetylene by the electric cracking of liquid hydrocarbon stock I.S.Pechuro, E.IA Grodzinskii, O.IU.Pesin. Gaz.prom 8 no.2 47-49 '63.

Obtaining oxygen-containing compounds from technical $C_3 - C_5$ hydrocarbon mixtures. IU.I Kozorezov and others Neftekhimiia 4 no.2,290-293 Mr-Ap '64

Properties of the surface of a freshly cleft graphite. Part 4. N.N.Dobrovol'skii and others. Zhur.fiz. khim. 38 no.2;506-509 F '64.

Radiation carbonylation of paraffin hydrocarbons with carbon monoxide. E P.Kaliazin, N.M.Baranova. Neftekhimiia 4 no.2 275-279 Mr-Ap '64.

Synergistic effect of potassium stearate on the inhibiting properties of a manganese catalyst for oxidizing hydrocarbons. V.M.Gol'dberg, L.K.Obukhova. Neftekhimiia 4 no.2·291-297 Mr-Ap '64.

Synthesis and properties of hydrocarbons with two adjacent three-membered carbon rings. A.P.Meshchoriakov, I E Dolgii. Izv.AN SSSR Ser.khim. no.7: 1333-1335 Jl '64.

Synthesis of pyrylium salts from hydrocarbons with tertiary carbon atoms. G.N.Dorofeenko, G.I.Zhungietu. Zhur.ob.khim. 34 no 7:2469-2470 Jl '64.

HYDROCARBONS—ANALYSIS

Method for the rapid chromatographic analysis of hydrocarbons and their derivatives M S.Vigdergauz, L.V. Andreev. Khim.i.tekh.topl.i masel 9 no 4;64-66 Ap '64

HYDROCARBONS—SPECTRA

Electron paramagnetic resonance spectra (EPR) of some polynuclear aromatic hydrocarbons. A.A Berlin, V A. Vonsiatskii, L.S.Liubchenko Izv.AN SSSR.Ser.khim. *no.7;1184-1188 Jl '64.*

Spectral characteristics of high molecular weight of hydrocarbons of Aligul'skaya oil. G.A.Muradova, S.R. Sergienko, A.G.Korotkii. Izv.AN Turk.SSR.Ser. fiz.-tekh.,khim.i geol.nauk no.2;16-23 '63.

HYDROCARBONS—THERMAL PROPERTIES

Fast method for determining the heating capacity of hydrocarbon gases. I.A.Rokhlina. Gaz.delo no.7;37-38 '64.

HYDROCEPHALUS

Proteins, lipoproteins and glycoproteins in the cerebrospinal fluid of patients with hydrocephalus. T.D.Ushakova, A.IU.Makarov. Vop.med.khim. 9 no.2;172-177 Mr-Ap '63.

HYDROCHLORIC ACID

Aqueous solutions of strong electrolytes. Part 1. A.V. Storonkin, M.D.Lagunov, R.V.Prokof'eva. Zhur.fiz. khim. 38 no.2;509-511 F '64.

Chemistry of vinylacetylene. Report No.38: Hydrochlorination of vinylisopropenylacetylene, dimethylvinylethynylcarbinol, and dimethylvinylethynylchloromethane in the presence of various catalysts. S.A.Vartanian, Sh.O.Badanian, G.A.Musakhanian. Izv.AN Arm.SSR.Khim.nauki 16 no.1;19-29 '63.

Cleavage of a carbon-mercury bond under the effect of acids. O.A.Reutov, I.P.Beletskaia, M.IA.Aleinikova. Zhur.fiz.khim. 36 no.3;489-493 Mr '62.

Equilibrium of 2-chlorobutane dehydrochlorination. S.V. Levanova, D.N.Andreevskii. Neftekhimiia 4 no.2; 329-336 Mr-Ap '64.

Intermolecular reaction between hydrogen chloride and siloxanes. K.K.Popkov. Plast.massy no.2;28-29 '64.

Obtaining hydrochloric acid from additive-production wastes. IU A.Mikhaylov. Neftoper i neftekhim. no.9 28-29 '63

Protective action of acetylene in the dissolution of iron in hydrochloric acid. I.N.Putilova, N.V.Rudenko, A.P.Terent'ev. Zhur.fiz.khim. 38 no.2;494-496 F '64.

HYDRODYNAMICS

Cavitation flow of a heavy liquid past a plate. O.M. Kiselev. Izv.vys.ucheb.zav.; mat. no.6;92-97 '63.

Effect of speed fluctuations on the accuracy of measuring the temperature of a nonisothermal turbulent flow. IU.L.Rozenshtok. PMTF no.2;149-153 Mr-Ap '64.

Effect of the concentration of an alcohol - water mixture on the critical density of a heat flow. G.I.Bobrovich, S.S.Kutateladze. PMTF no.2;146-149 Mr-Ap '64.

Hydrodynamics of centrifugal atomizers. S.N.Ganz, I.E. Kuznetsov. Trudy DKHTI no.16;173-182 '62.

Laminar unsteady flow of a viscous liquid in a porous circular annular tube. V.Z.Osipov. Soob.AN Gruz. SSR 33 no.3;535-542 Mr '64.

Lebedev, I.V. [Spread of a flow in a limited space] Rasshirenie potoka v organichennom prostranstve. Pod red. S.V.Izbasha. Moskva, Mosk.energeticheskii in-t, 1963. 53 p.

[MICROFILM]

Modern theory of hydraulic resistance of waterways and the experimental data. O.M.Aivazian. Izv.AN SSSR. Mekh.i mashinostr. no.4;190-194 Jl-Ag '64.

On a certain kind of steady motion in hydrodynamics. IU.B.Ponomarenko. Prikl.mat.i mekh. 28 no.4;688-698 Jl-Ag '64.

Pattern of the cavitation flow of a heavy liquid. O.V. Troepol'skaia. Izv.vys.ucheb.zav., mat. no 6;152-168 '63.

A problem in the hydrodynamic theory of stability in case of a varying viscosity. E.V.Semenov Izv.AN SSSR.Mekh.i mashinostr. no.4 161-165 Jl-Ag '64.

Solution of the problem involving a vortex in a bounded mass of heavy liquid. O.M.Kiselev. Prikl.mat.i mekh. 28 no.4:771-777 Jl-Ag '64.

Theory of vibrations and fractionation of a droplet in a gas flow in the presence of potential motion inside the droplet Part 2 A M Golovin Izv AN SSSR Ser. geofiz no.8 1269-1272 Ag '64.

Use of the electrohydrodynamic analogy method in studying a flow past symmetrical bodies near the wall M M Voinarovich. Izv SO AN SSSR no 2.Ser.tekh nauk no.1;131-133 '64

HYDRODYNAMICS—BOUNDARY VALUE PROBLEMS

Use of Bubnov-Galerkin's method in hydrodynamic stability theory. V.A.Medvedev. Prikl.mat.i mekh. 28 no.4.780-782 Jl-Ag '64.

HYDROELECTRIC POWER STATIONS

(see also subdivision under Kondopoga, Karelia; see also Kamen' Hydroelectric Power Station; Upper Zeravshan Hydroelectric Power Station)

Calculation of silting of supported headraces of hydroelectric power stations V A Skryl'nikov Vop.gidr. no 13 87-104 '63

Hydraulic calculation of the principal elements of run-off regulatory reservoirs of a hydroelectric power station with pressureless derivation. E A.Garbovskii. Izv.vys.ucheb.zav., energ 7 no.7 66-73 Jl '64

Underground housing of a hydroelectric power station with suspended crane beams. I.M Dmitriev, M.N. Belkin. Energ stroi no.33;58-62 '63.

Use of porous ceramic filters. V.M.Gavrilko, B.S. Fedorov. Energ.stroi no 33;47-52 '63.

HYDROGEN

Role of partial hydrogen pressure in the genesis of traps. A.A.Kuznetsov. Dokl.AN SSSR 158 no.1;123-125 S-O '64.

HYDROGEN BONDING

Akademiia nauk SSSR. Institut khimicheskoi fiziki. [Hydrogen bonding] Vodorodnaia sviaz'; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 339 p.

Hydrogen bonding and the rate of the propagation of ultrasound in liquids. Part 1 [with *summary in English*]. A.E.Lutskii, V.N.Solon'ko. Zhur.fiz.khim. 38 no.2·415-422 F '64.

Hydrogen bonding and the specific heat of liquids. A.E. Lutskii, V.N.Solon'ko. Ukr.fiz.zhur. 9 no.4;459-463 Ap '64.

Hydrogen bonds in alkyl ammonium salts. V.M.Vdovenko and others. Ukr.fiz.zhur. 9 no.4;453-467 Ap '64.

Properties of a liquid having intermolecular hydrogen bonds. M.I.Shakhparonov. Ukr.fiz.zhur. 9 no.4: *444-453 Ap '64.*

Role of hydrogen bonding in the structures of crystalline hydrates of compound thiocyanates of metals. Z.V. Zvonkova, A.N.Rodionov, Z.P.Povet'eva. Kristallografiia 8 no.2;275-277 Mr-Ap '63.

Spectroscopic manifestations and energy of the intramolecular hydrogen bonding in thiosalicylic acid. I.M.Ginzburg, L.A.Loginova. Dokl.AN SSSR 156 no 6;1362-1365 Je '64.

Substances with intermolecular hydrogen bonding as proton semiconductors. M.I.Shakhparonov. Zhur. fiz.khim. 38 no.2;252-265 F '64.

HYDROGEN-ION CONCENTRATION

Catalytic decomposition of chlorites. Part 3: Dependence of the catalytic decomposition of alkaline earth chlorites on the pH of the solution. A.Prokopcikas, P.Norkus. Trudy AN Lit. SSR. Ser.B no.1;129-139 '62.

Changes in the medium acidity which triggers the formation of nickel hydroxide sol due to some additions causing the improvement of the quality and brightness of nickel electrodeposits. P.Kicas, J.Matulis. Trudy An Lit. SSR. Ser. B no.1.97-110 '62.

Effect of soil reaction on the effectiveness of slowly acting nitrogen fertilizers. B.G.Blium. Agrokhimiia no.1.63-68 Ja '64.

Isolation of molybdenum compounds from strong acid solutions containing iron and calcium. G.M.Airapetian. Izv.AN Arm.SSR.Khim.nauki 16 no.6;581-587 '63.

Thermal denaturation of DNA as related to the p^H value. B.I.Sukhorukov, V.N.Lystosov, IU.Sh.Moshkovskii. Biofizika 7 no.5;551-553 '62.

HYDROGEN PEROXIDE

Change in electromotive forces and catalytic activity of semiconductor catalysts during decomposition of hydrogen peroxide [with summary in English]. V.A. Zhuravlev, A.A.Kuzheliuk. Zhur.fiz.khim. 38 no.2· 271-276 F '64.

Electron paramagnetic resonance spectra of HO_2 and DO_2 radicals obtained by freezing of the products of rarefied flames at 77°K. V.N. Panfilov. Kin.i kat. 5 no.2,211-214 Mr-Ap '64.

Study of catalase-active systems. Part 5. T.P.Vorob'eva, A.P. Purmal'. Zhur fiz khim. 38 no 2-467-469 F '64.

Study of galvanic cells by means of hydrogen peroxide as a depolarizer O K. Davtian, M.S Kuskova, B A Manakin. Nauch.ezhegod.Khim.fak Od un. no 2 117-120 '61.

HYDROGEN PEROXIDE—THERAPEUTIC USE

Perhydrol in the treatment of some chronic dermatoses. M.M.Guseinov and others. Vest.derm.i ven. 38 no.1:32-33 Ja '64.

HYDROGEN SULFIDE

Absorption of hydrogen sulfide by potassium carbonate solution in a foam bubble. L.G. Plit, S.G. Nilus. Trudy DKHTI no.16:161-172 '62.

Absorption of hydrogen sulfide by potassium carbonate solution in scrubbers with a porous packing. S.G.Nilus, I.G. Plit. Trudy DKHTI no.16:209-219 '62.

Adsorption of hydrogen sulfide by grey-green clays of Odessa Province. G E. Dmitrievskii, A.V Grineva, V.V Pilipenko Nauch.ezhegod.Khim fak Od.un no.2 38-46 '61.

Electron paramagnetic resonance method of detection of free hydrogen and oxygen atoms in rarefied flames of hydrogen sulfide with oxygen. G.A.Sachian, A.B Nalbandian. Izv.AN SSSR.Ser.khim. no.7:1340-1341 Jl '64.

Removing hydrogen sulfide from liquefied gas. P.T. Sverbil'. Nefteper.i neftekhim. no.5:43-44 '64.

HYDROGENASES

Localization of hydrogenases and their relation to oxygen in cells of Lactobacterium pentoaceticum A.I Oparin, E F.Kharat'ian, N S Gel'man Dokl.AN SSSR 157 no.1·211-214 Jl '64

HYDROGENATION

Catalytic hydrogenation and electrolytic hydrogenation of butynediol and its homologs. G.P.Khomchenko, V.M. TSintsevich, G.D. Vovchenko. Zhur.fiz.khim. 38 no.2:496-500 F '64.

Dehydrogenation of alkyl aromatic hydrocarbons in a fluidized bed of various oxide catalysts. IU.G.Mamedaliev and others. Dokl.AN Azerb.SSR 20 no.5:7-10 '64.

Hydrogenation of aromatized petroleum crude without catalysts for obtaining naphthalene and other products. A A Krichko and others. Nefteper i neftekhim no 9 30-33 '63

Hydrogenation of cottonseed oil on skeleton nickel catalysts with the addition of cobalt and molybden. D.V. Sokol'skii, N.S.Samsonova Masl.-zhir.prom 30 no.7:12-15 Jl '64.

Investigating the hydrogenation of olefins and dienes in the presence of rhodium black. L.Kh.Friedlin, E.F. Litvin, L.M.Krylova. Neftekhimiia 4 no.2: 185-189 Mr-Ap '64.

Reactions of hydrogenation and electrohydrogenation of some organic substances on a ruthenium electrode-catalyst [with summary in English]. G.P.Khomchenko, T.N.Stoianovskaia, G.D. Vovchenko. Zhur.fiz.khim. 38 no.2:434-438 F '64.

Refining of hydrogenated oils and fats in a soap-alkali medium. N.A.Kaminskii and others Masl.-zhir. prom. 30 no.7:32-34 Jl '64.

HYDROLOGY

(see also subdivision under Vakhsh River)

Calculation of losses in the forecasting of rain floods. A G.Levin Trudy TSIP no 134 32-55 '64

Fiftieth anniversary of the Hydrochemical Institute. V.N.Zakharov, Meteor.i gidrol. no.8:58-59 Ag '64.

History of the differential equation of a water budget. A.A Sokolov. Meteor i gidrol. no 7 25-28 Jl '64

Method for quantitative estimation of the natural regulation of streamflow. A.M. Komlev. Izv.Sib.otd.AN SSSR no.8:115-117 '62.

Present-day mathematical methods in hydrology. L.S. Kuchment. Meteor.i gidrol. no 7 37-40 Jl '64

Water level fluctuations of closed inland seas and lakes. S.N.Kritskii, M F.Menkel'. Meteor.i gidrol. no.7: 32-36 Jl '64.

HYDROLOGY—BIBLIOGRAPHY see Bibliography—Hydrology

HYDROLOGY—RESEARCH

Hydrological decade. V.I.Korzun. Vest.AN SSSR 34 no 6:83-86 Je '64

HYDROLYSIS

(see also subdivision under Leningrad; Siberia, Eastern; Tulin)

Ability of pepsin to hydrolyze denatured egg albumin. M.P.Chernikov. Vop.med.khim. 9 no.2:126-127 Mr-Ap '63.

At the section of hydrolysis and wood-chemical production. Gidroliz.i lesokhim.prom. 17 no.3:32-3 of cover '64.

Chemistry of acetals. Report No.15: Selective hydrolysis of 1,1,3-triethoxy-4-hexene and some reactions of 3-ethoxy-4-hexenal. I.I.Nazarova, L.A.IAnovskaia, V.F.Kucherov. Izv.AN SSSR.Ser.khim no 7:1245-1249 Jl '64.

Hydrolysis of potassium hexafluogermanate in aqueous solutions. I.G.Ryss, N.F.Kutish. Zhur.neorg.khim. 9 no.6:1382-1386 Je '64.

Hydrolysis of vinyl ethers. Part 3· Mechanism of the reaction with mercury sulfate as catalyst. A.F.Rekasheva, L.A.Kiprianova. Kin.i kat. 5 no.2:299-304 Mr-Ap '64.

Jet water heater replacing water-heating columns. B.A. Glazman, S.V.Pavlov, A.G.Savinykh. Gidroliz i lesokhim.prom. 17 no.3:22-23 '64.

Kinetics and the mechanism of γ-butyrolactam hydrolysis in potassium hydroxide solutions. M.L.Vinnik, IU.V Moiseev, L.V. Palagina. Kin.i kat. 5 no.2:253-262 Mr-Ap '64.

Mechanical and chemical destruction of polysaccharides in the presence of sulfuric acid. Report No.3: Minimal possible specific expenditure of sulfuric acid. N.V.Chalov, E.F.Gortachikh. Izv vys ucheb.zav., les.zhur. 6 no.3:137-144 '63.

Mechanical and thermochemical method of transforming cellulose-containing materials to a readily hydrolyzable state. A.V.Krupnova, V.I.Sharkov. Gidroliz.i lesokhim.prom. 17 no 3:3-5 '64

Surveying technological advances. Gidroliz.i lesokhim. prom. 17 no.3:31-32 '64.

HYDROMAGNETIC WAVES see Magnetohydrodynamics

HYDROMETALLURGY

Processing of copper concentrates after removal of lead and zinc A L. TSeft and others Trudy Inst met i obog AN Kazakh.SSR 8.107-112 '63.

HYDROMETEOROLOGY

(see also subdivision under Azov, Sea of)

"Man and the elements " A hydrometeorological desk calendar for 1964 N.I Novozhilov, IU E.IAblokov. Meteor i gidrol. no 7:50-51 Jl '64

HYDROPEROXIDES

Condensation of tertiary amyl hydroperoxide with some carbonyl compounds Z.F.Nazarova and others Zhur.ob.khim. 34 no.7:2430-2432 Jl '64.

Formation of radicals by reaction between a hydroperoxide and a double bond of styrene. E.T.Denisov, L.N. Denisova. Dokl.AN SSSR 157 no.4:907-909 Ag '64.

HYDROPHOBIA see Rabies

HYDROPONICS

Nikita Sergeevich Khrushchev and Fidel Castro Ruz on the "Belaia Dacha" State Farm Z I Zhurbitskii. Agrokhimiia no.1·143-144 Ja '64

Soilless culture of plants and outlook for the development of hydroponics G S.Davtian Agrokhimiia no.1 31-39 Ja '64

HYDROXIDES

Interaction of Nd_2O_3 with water. V.B.Glushkova, E.K. Keler, IU.G.Sokolov. Dokl.AN SSSR 158 no.1:151-154 S-O '64.

HYDROXY COMPOUNDS

Study of compounds containing a three-membered oxide ring. Part 32: Use of Darzens reaction for the synthesis of α-chloro-β-hydroxy compounds. V.F. Martynov, M.I.Titov. Zhur.ob.khim. 34 no.7: 2125-2128 Jl '64.

HYDROZOA

Cytomorphological study of female gonads of the coelenterate Polypodium hydriforme. E.V.Raikova. TSitologiia 5 no.4:391-403 Jl-Ag '63.

HYGIENE—CONGRESSES

Scientific Conference of the Dushanbe Institute of Epidemiology and Hygiene. A.S.Khromov, I.G. Abramova. Med.paraz.i paraz.bol. 32 no.4:509-510 Jl-Ag '63.

HYGIENE, SEXUAL

Artem'ev, S.A., V.D. Kochetkov, and G.G.Shian'ko. [Hygiene of the sex life] Gigiena polovoi zhizni. Moskva, Izd-vo "Znanie," 1964. 43 p. (Narodnyi universitet: Fakul'tet zdorov'ia, no.13)

HYGROMETERS

Investigating the electrolytic heating of a hygrometer constructed on the basis of an ETM-XII thermometer. A.E.Pass. Ekon.i ekspl.mor.transp no.1:90-96 '63.

Optical infrared hygrometer. IA.I.Kalenichenko, M.S. Kiseleva, B.S.Neporent. Zav.lab. 30 no.6:758-761 '64.

HYGROSCOPICITY

Methods for determining the maximum hygroscopicity of soils. N.I.Afanas'ev. Dokl.AN BSSR 8 no.2:133-135 F '64.

HYPERGLYCEMIA

Anosova, L.N. [Hyperglycemia syndrome; pancreatic and extrapancreatic diabetes mellitus] Giperglikemicheskii sindrom; pankreaticheskii i vnepankreaticheskii sakharnyi diabet. [Moskva] Meditsina, 1964. 313 p.
(DNLM)

HYPERTENSION

(see also subdivision under Kurganinsk District)

Changes in the renin content of the kidneys in the dynamics of development of reflexogenic hypertension. M.F. Syrotina. Fiziol.zhur. 10 no.1:68-74 '64.

Effect of reserpine, aminazin and aprophen in experimental hypertension. M.V. Pan'shina Farm.i toks 26 no.5 537-542 S-O '63

Effect of some drugs used in the treatment of headache in hypertensive patients on the tone of cerebral vessels, experimental studies T.IU. Liberman. Farm.i toks 26 no 5:573-578 S-O '63

Measurements of the ocular fundus in hypertension. S.M.Dobrova, Sov.zdrav.Kir. no.6·3-8 N-D '63

Miasnikov, A.L., and I.A.Ryvkin, eds. [Incidence of hypertension and coronary arteriosclerosis and living conditions] Rasprostranenie gipertonicheskoi bolezni i koronarnogo ateroskleroza i usloviia zhizni. sbornik statei. Leningrad, Meditsina, 1964. 166 p.
(DNLM)

Nuclear hematomas in hypertensive cerebral hemorrhages. I.M.Neplokh. Arkh.pat. 26 no.2:68-73 '64.

Prevention of hazardous hemodynamic changes in occlusion of the thoracic and abdominal aortas in experimental renal hypertension. S.A.Gasparian, V.G. Akopian. Grud.khir. 5 no.5:33-41 S-O '63.

Psychogenic reaction in hypertension patients and hypertonic psychoses. L.N.Vishnevskaia. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:171-180 '63.

Research on hemodynamic disorders in acute arterial hypertension induced by the introduction of adrenaline. T.Mansurov, V.A.TSyrul'nykov. Fiziol.zhur. 10 no.1:117-119 '64.

Role of dietary fat in the development of experimental hypertension. T.A.Braksh and others. Vop.pit. 22 no.3:22-28 My-Je '63.

Treatment of hypertension aminazine N L Aslanian Zhur.eksp.i klin.med. 4 no 2:79-84 '64

HYPERTHYROIDISM

Morphological changes in the adrenal cortex in experimental hyperthyroidization. L.I.Kvachadze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:185-191 '63.

Oxidative phosphorylation and glycolysis in the rat myocardium in experimental thyrotoxicosis. P.M.Samoilov. Vop.med.khim. 9 no.2:188-196 Mr-Ap '63.

Radiation therapy in thyrotoxicosis. I.B.Khavin. Med. rad. 7 no.9:71-76 S '62.

HYPERVITAMINOSIS

Comparative biochemical and histochemical study of lipids in the liver and heart of pigeons with experimental hypervitaminosis B_1. IU.M.Ostrovskii, V.S.Nikitin. Biul.eksp.biol.i med. 55 [i.e.56] no.10.32-35 O '63.

HYPNOTISM

Effect of phenamine on hypnosis. P.G.Kulikov. Trudy Gos.nauch.-issl.inst.psikh. 40:297-303 '63.

HYPNOTISM—THERAPEUTIC USE

Methodology of hypnotherapy in functional disorders of digestion. A.I.Belkin, V.K.Afanas'eva. Trudy Gos. nauch.-issl.inst.psikh. 40:281-289 '63.

HYPOBROMOUS ACID

Stereochemistry of cyclic compounds. Report No.59: Action of hypobromous acid on 13-methyl-7-keto-$\Delta^{4(12)}$-dodecahydrophenanthrene-cis-1,2-dicarboxylic acid and its diester. I.A.Gurvich, V.F.Kucherov. Izv.AN SSSR.Ser.khim. no.7:1241-1245 Jl '64.

HYPOCHONDRIA

Differentiation of the states of hypochondria. L.L.Rokhlin. Trudy Gos.nauch.-issl.inst.psikh. 40:65-79 '63.

Perception disorders of central genesis and the hypochondriac syndrome. N.P.Tatarenko, K.V Kravchenko-Mikhailova. Trudy Gos.nauch.-issl.psikhonevr. inst. 29:117-128 '63.

HYPOTENSION

Analysis of the hypotensive effect during the action of agents inactivating Sh groups. I.M.Trakhtenberg, I.V.Savyts'kyi, F.P.Trynus. Fiziol zhur.[Ukr.] 9 no.6:748-752 N-D '63.

Hypotension as a symptom of pregnancy toxemia. I.I. Benediktov, L.S.Galeeva. Akush.i gin. 40 no.1:75-80 Ja-F '64.

Vasuclar hypotension and neuroses. M.E.Telechevskaia. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:247-256 '63.

HYPOTHALAMUS

Relation of the thyrotrophic function of the hypophysis to the neurosecretion in pigeons. A.A.Voitkevich. Biul. eksp.biol.i med. 55 [i.e.56] no.10.82-85 O '63.

HYPOTHERMIA

Activity of some enzymes of the skin in tissue transplantations in hypothermia. M.I.Tediashvili, G.V.TSitskishvili. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:35-39 '63.

Cardiac activity in neuroplegia and hypothermia in relation to the method of artificial respiration. A I. Karkhuli. Trudy Inst.eksp.i klin.khir i gemat.AN Gruz.SSR 11:25-28 '63.

Changes in external and internal secretions of the pancreas during hibernation and hypothermia. D.N. Baachidze. Trudy Inst.eksp.i klin.khir.i gemat AN Gruz.SSR 11:41-46 '63.

Changes in some enzymes of the blood during bloodletting and transfusion in hypothermia. T.M.Goderdzishvili, E.D Bagrationi, L.Sh.Tevdoradze. Trudy Inst.eksp i klin.khir.i gemat.AN Gruz.SSR 11:29-34 '63.

Changes in the kidney function in hypothermia. G.A. Gairishvili. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:47-52 '63.

Functional elimination and toxicity of barbamyl and pentothal sodium in hypothermia. O L.Rajavee, L.B. Nurmand. Farm.i toks. 26 no.5:556-559 S-O '63.

Hypothermic effect produced on dogs by different doses of chlorpromazine. V.K.Bolondinskii. Farm.i toks. 25 no.6,667-672 N-D '62.

Importance of coronary perfusion in exclusion of the heart from blood circulation; hypothermia and artificial blood circulation. G.D.Ioseliani, G.D Pagava, A.V. Khuchua. Trudy Inst eksp.i klin.khir i gemat.AN Gruz.SSR 11,325-330 '63.

Interrelationship of temperatures in the brain and in internal organs following craniocerebral hypothermia. L I.Murskii, V.V.Suvorov Nauch.dokl vys.shkoly, biol nauki no.3;62-67 '64.

Local hypothermia in the inflammation process in the abdominal cavity. B.N.Abrakhanova. Azerb.med. zhur. no.6;20-22 Je '62.

Repairing a defect of the interventricular septum through the right atrium with the use of hypothermia. E.N. Meshalkin, E.P.Kelin. Izv.Sib.otd.AN SSSR no.8;117-120 '62.

Review of V.I.Burakovskii's book " 'Dry heart' during hypothermia in surgery on congenital heart defects". V.I.Kolesov. Grud.khir. 5 no.5:110 S-O '63.

Some data on disorders of embryogenesis following changes in the body temperature of pregnant animals N.A.Tripol'skaia Akush.i gin 39 no.5·70-74 S-O '63

State of some indices of the blood coagulation system in acute and chronic experimental radiation sickness in hypothermia. T.N.Dzhaparidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:95-102 '63.

HYPOXANTHINE

Inclusion of a hydrogen atom of C-5 and δ-aminolevulinic acid into inosinic acid and hypoxanthine in the liver of a pigeon. A.E.Braunshtein and others. Dokl.AN SSSR 157 no.4;982-984 Ag '64.

HYSTERECTOMY

Clinical aspects, diagnosis and treatment of chorioepithelioma. I.P.Gomeniuk. Akush.i gin. 40 no.1; 117-121 Ja-F '64.

Mesodermal mixed tumors of the cervix uteri. IA.V. Bokhman, N.M.Ainbinder. Vop.onk. 9 no.6:82-87 '63.

IACHEVSKII, ARTUR ARTUROVICH, 1864-1932

Centennial of A.A.IAchevskii's birthday. M.S.Dunin. Agrobiologiia no.1;137-141 Ja-F '64.

IAKIR, IONA EMMANUILOVICH, 1896-1937

Two army commanders A.Kadishev. Nov mir 40 no.4:258-260 Ap '64

IBEX see subdivision under Sayan Mountains

ICE see subdivision under Polar regions

ICE CRYSTALS

Ice ferns on windows. V.I.Arabadzhi, K.I.Rudik. Rost krist. 4:59-60 '64.

ICELAND—DESCRIPTION AND TRAVEL

In the far North. B.Galanov. Nov.mir 40 no.2:273-275 F '64.

ICHNEUMON FLIES see subdivision under Kazakhstan; Soviet Central Asia

IDE (FISH) see subdivision under Pechora River

IGNEOUS ROCKS see Rocks, Igneous

ILEUM—INNERVATION

Afferent pathways of interoceptive reflexes from the ileocecal region of the intestine in cats. E.H, Dziadziulia. Vestsi AN BSSR Ser.biial.nav. no.4;93-99 '63.

ILEUM—TRANSPLANTATION

Late results of ureteroileocystoplasty. V.M.Borisova. Urologiia no.1;50-51 '64.

IL'ICHEV, IURII

A soldier goes toward his aim.... S.Shapkin. Sov.voin 46 no.9:25 My '64.

ILIM VALLEY—RIVERS

Water supply, volume and regime of the Ilim Basin rivers. G.V.Bachurin, V.A.Vavilova Dokl.Inst. geog.Sib.i Dal'.Vost no 1·34-48 '62

IL'INSKII, IGOR' VLADIMIROVICH, 1901-

Igor' Il'inskii. N.Liubimov. Nov.mir, 39 no.12,161-177 D '63.

IL'IUSHIN, SERGEI VLADIMIROVICH, 1894-

S V.Il'iushin. Tekh.i vooruzh. no.3,28-29 Mr '64.

ILLITERACY see subdivision under Chuvashia

ILVAITE

Comparative mineralogical and genetic characteristics of ilvaite. S T Badalov, I.M.Golovanov Uzb geol.zhur 7 no.6 7-14 '63.

IMAGE ICONOSCOPE

Measurement of the illumination intensity on the photocathode and automatic control of the black level in the camera channel of an image iconoscope. A.L.Levin. Tekh.kino i telev. 8 no.7:69-71 Jl '64.

IMIDAZOLE—DIPOLE MOMENTS

Dipole moments of imidazole and its derivatives. V.I. Minkin and others. Zhur.fiz.khim. 36 no.3:469-473 Mr '62.

IMIDAZOLEDICARBOXYLIC ACID—PHYSIOLOGICAL EFFECT

Further pharmacological analysis of etephyl (diethyldiamide imidazole-4, 5-dicarboxylic acid, IEM-288). L.Kh.Allikmets. Farm.i toks. 26 no.5,531-536 S-O '63.

IMIDAZOLEETHANOL

Flagyl in the treatment of trichomoniasis in males. I.M. Porudominskii, S.A.Artem'ev, G.A.Veskresenskaia. Urologiia no.1:16-17 '64.

IMIDAZOLINE

Production of polymers with dibenzoborimidazoline links in the main chain. N.A.Adrova, L.K.Prokhorova, M.M.Koton. Dokl.AN SSSR 158 no.1:130-132 S-O '64.

IMIPRAMIN

Effect of imipramin on the monoamine oxidase activity of the cat brain. R.A.Khaunina, I.P.Lapin. Vop.med. khim. 9 no.2:184-188 Mr-Ap '63.

Effect of tofranil on the action of hexenal, chloral hydrate and morphine in mice. I.P.Lapin. Farm.i toks. 26 no.5:564-568 S-O '63.

IMMUNITY

Biological and antigenic properties of the rabbit Brown-Pearce tumor passed on tolerant rats. R.M.Radzikhovskaia. Vop.onk. 9 no.6:52-55 '63.

Changes of the reactivity of the organism under the influence of the growth of transplanted tumors. Z.I. Sobieva. Pat.fiziol.i eksp.terap. 6 no.4·75-76 Jl-Ag '62.

Course of pregnancy, labor and the puerperium in conditions of mass immunization with staphylococcal anatoxin. V.K.Prorokova, M.A.Turdakova. Akush.i gin. 40 no.1;38-40 Ja-F '64.

Dynamics of the change in the content of γ-globulins in the process of immunization of pregnant women with staphylococcal sorbed anatoxin. E.P.Fenina. Akush.i gin. 40 no.1;36-38 Ja-F '64.

Effect of immunization with staphylococcal anatoxin on the condition of newborns and infants during the first two months of life. T.V.Pchelintseva, R.A.Pleshanova Akush.i gin. 40 no.1;40-43 Ja-F '64.

Effect of novocaine on immunogenesis. N.N.Klemparskaia. Biul.eksp.biol.i med. 55 [i.e.56] no.10:77-81 O '63.

Effect of vitamin C on the immunobiological reactivity of the body in chronic colitis and enterocolitis. N.I. Ekisenina, L.P.Miagkova, M.L.Mirer. Vop.pit. 23 no.1;26-30 Ja-F '64.

Immunogenesis and nonspecific factors in natural resistance. Report No.3: Effect of active immunization on the lysozyme content in animal blood. D.F.Pletsityi, E.S.Fidel'man. Biul.eksp.biol.i med. 55 [i.e.56] no.10:69-73 O '63.

Triple artificial inoculation of Kaufmann-Wolf Epidermophyton. G.K.Andriasian. Vest.derm.i ven. 38 no.1;3-9 Ja '64.

IMMUNOELECTROPHORESIS

Determination of blood proteins in late pregnancy toxemias by conjugated stereoimmunoelectrophoresis. S.S.Vasileiskii, I.P.Ivanov. Akush.i gin. 40 no.1; 48-52 Ja-F '64.

IMMUNOLOGICAL TOLERANCE

Characteristics of the changes in immunological reactivity of rabbits following skin homotransplantations. V.I.Govallo. Biul.eksp.biol.i med. 55 [i.e.56] no.10:74-77 O '63.

Immunological tolerance and some problems of homotransplantation in dogs. A.Puza. Pat fiziol.i eksp. terap. 6 no.4;8-14 Jl-Ag '62.

IMMUNOLOGY

Antigen structure of tumors in man. Report No.3: Comparative analysis of stomach cancer tissue. L.A. Liudogovskaia, V.S.TSvetkov, V.P.Kiriukhin. Vop. onk. 10 no.3;18-22 '64.

Blinkin, S.A. [Search and discoveries; through the pages of immunology] Poiski i otkrytiia; po stranitsam immunologii. Moskva, Izd-vo "Znanie," 1964. 70 p. (Narodnyi universitet: Fakul'tet zdorov'ia, nos. 15-16)

Immunobiological affinity of three sturgeon species. V.I. Luk'ianenko Dokl AN SSSR 157 no.1·227-229 Jl '64

Study of the antigen structure of tumors in man. Report No.2: Purification of specific immune sera to stomach cancer in man. V.S.TSvetkov, L.A.Liudogovskaia Vop.onk. 10 no.3·16-18 '64.

IMMUNOPATHOLOGY

Carrier state of pathogenic staphylococci in persons subjected to active immunization with staphylococcal anatoxin. G.I.Goltus, N.K.Obut-Prave, M.R.Sazonova. Akush.i gin. 40 no.1;43-45 Ja-F '64.

Scientific conference on the problems of immunopathology. N.A.Bykova. Arkh.pat. 26 no.2;90-94 '64.

IMPEDANCE (ELECTRICITY)

Measurement of impedance of an electrochemical cell at low frequencies [with summary in English]. G.A. Tedoradze. Zhur.fiz.khim. 38 no.2;334-337 F '64.

Synthesis of reactance converters. D.A.TSirel'son. Elektrosviaz' 18 no.8:52-57 Ag '64.

IMPERIALISM

Criticism of the concepts of bourgeois political philosophy. G V.Osipov Vop filos. 18 no.6 169-170 '64

IMPOTENCE

Treatment of functional sexual disorders in men by the use of ginseng. IA Z.Ginzburg. Mat.k izuch.zhen'. i drug.lek.rast.Dal'.Vost. no.5·157-162 '63.

Treatment of impotence by transplantation of the testis on a vascular flap. B.S.Gekhman. Urologiia no.1,59-60 '64.

INCENTIVES IN INDUSTRY

(see also subdivision under Siberia, Western)

Mozhaiskova, I.V. [Costs, profit, bonus; problems of theory and practice in using costs in personal material incentives] Sebestoimost', pribyl', premiia; voprosy teorii i praktiki ispol'zovaniia stoimostnykh form v lichnom material'nom stimulirovanii. Pod red. IA.A. Kronroda. Moskva, Ekonomika, 1964. 223 p.

Oblomskaia, I.IA. [Material self-interest as an economic category of socialism] Material'naia zainteresovannost'-ekonomicheskaia kategoriia sotsializma. Moskva, Izd-vo 'Mysl'," 1964. 92 p.

INCOME

Measuring the correlation between the population's monetary expenditures for the purchasing of goods and its monetary income. G.Mindolin. Vest stat. no 8 63-64 '64

INCUBATION

Effect of radioactive phosphorus on the incubation process of hen eggs at various stages of their development. S.A.Dzhabieva. Dokl.AN Azerb.SSR 19 no.9:85-87 '63

INDANDIONE

Interaction of 2-aryl-1,3-indandiones with p-benzoquinone. L.P.Zalukaev, V.V.Krivoshein, G.A.Kharina. Zhur. ob.khim. 34 no.7;2478-2479 Jl '64.

INDEX NUMBERS (ECONOMICS)

Economic competition of the U.S.S.R. with principal capitalist countries. Mir.ekon.i mezhdunar.otn. no.8: 154-157 '64.

Index method in the analysis of statistical indices of transportation work. I.V.Sipovskaia. Vest.LGU 19 no.11;28-40 '64.

Indices of the physical volume of production, consumption and accumulation of the gross national product and national income. P.Moskvin. Vest.stat. no.7:3-10 '64.

Passenger traffic operation indices. N.I.Savin. Ekon.i ekspl.mor.transp. no.1;36-40 '63.

INDIA

Problem of India's membership in the British Commonwealth of Nations. G.B.Goroshko. Uch.zap.IMO no.16:255-267 '63.

INDIA—DESCRIPTION AND TRAVEL

Nasenko, IU.P. [Off the tourist roads; through India] V storone ot turistskikh dorog; po Indii. Moskva, Izd-vo "Nauka," 1964. 54 p. illus.

INDIA—ECONOMIC ASSISTANCE, RUSSIA

Bokaro, a second Bhilai. V.Bol'shakov. Mezhdunar. zhizn' 11 no.9:124-125 S '64.

INDIA—ECONOMICS—CONGRESSES

At the forum of Indian economists. A.Levkovskii. Az.i Afr.seg 8 no.7:47-48 Jl '64.

INDIA—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

[illegible] A. Vialin. Az. i Afr. [illegible] 7 14-15 Jl '64

INDIA—POLITICS AND GOVERNMENT

[illegible] Az. i Afr. [illegible] Je '64

INDIAN PIPE (BOTANY)

Ammonia assimilation by the mycotrophic plant Monotropa hypopitys L. Z. G. Evstigneeva, K. B. Aseeva, V. L. Kretovich. Dokl. AN SSSR 156 no 6 1461-1463 Je '64

INDICATOR PLANTS see subdivision under Gur'yev Province

INDICATORS (BIOLOGY)

Possibility of [illegible] biological indicators for the determination of the residual toxicity of water in lakes treated with polychloropinene. I. I. Mantel'man, E. S. Slutskii. Izv. GosNIORKH 55:30-33 '63

INDIGIRKA VALLEY—KOELERIA

Fragments of the Koeleria steppe in the middle reaches of the Indigirka River. S. Z. Skriabin. Bot. zhur. 49 no. 7:989-996 Jl '64

INDIGIRKA VALLEY—STEPPE FLORA

Fragments of the Koeleria steppe in the middle reaches of the Indigirka River. S. Z. Skriabin. Bot. zhur. 49 no. 7:989-996 Jl '64.

INDIUM—ANALYSIS

Determining indium, antimony, and tellurium in alloys. V. S. Nagibin, E. V. Liventseva. Trudy Inst. met. no. 14: 255-258 '63.

INDIUM ANTIMONIDES

Methodology of producing thin films of indium antimonide by vaporization in a vacuum. P. S. Agalarzade, S. A. Semiletov. Kristallografiia 8 no. 2 298-300 Mr-Ap '63

INDIUM-ANTIMONY ALLOYS

Experimental study of the surface tension of melts of the indium - antimony *system [with summary in English].* V. B. Lazarev. Zhur. fiz. khim. 38 no. 2 325-330 F '64.

INDIUM-ANTIMONY ALLOYS—ANALYSIS

Polarographic determination of cadmium admixtures in *In-Sb* and *Ga-Sb* alloys. N. S. Gertseva. Trudy Inst. met. no. 14:251-254 '63.

INDIUM-BISMUTH ALLOYS

X-ray diffraction study of molten intermetallic compounds *of* the indium - bismuth *system.* A. V. *Romanova,* G. M. Kuchak. Ukr. fiz. zhur. 9 *no. 4:428-440 Ap '64.*

INDIUM ISOTOPES—DECAY

Multipole order of γ-transitions in Sn^{116} accompanying the β-decay of 54 min. In^{116m}. S. V. Starodubtsev, R. B. Begzhanov, S. L. Rakovitskii. Izv. AN Uz. SSR Ser. fiz.-mat. nauk 7 *no.* 5:40-44 '63

INDIUM SELENIDE CRYSTALS—ABSORPTION SPECTRA

Self-absorption edge in In_2Se *single crystals.* O. M. Borets', I. M. Stakhyra. Ukr. fiz. zhur. 8 no 9 1026-1037 S '63.

INDIUM SELENIDE CRYSTALS—GROWTH

Growing of In_2Se single crystals by the method of extraction from the melt. I. M. Stakhyra. Ukr. fiz. *zhur. 8 no. 9 970-974 S '63.*

INDOLE

Amino acids of the indole series; synthesis of γ-amino-β- (3-indolyl)-butyric acid. V. P. Mamaev, O. A. Rodina. *Izv. Sib. otd. AN SSSR no. 8:72-75 '62.*

INDOLEBUTYRIC ACID

Amino acids of the indole series. Part 2: β-Amino-γ-(3-indolyl)butyric *acid.* *O. A. Rodina,* V. P. Mamaev. Zhur. ob. khim. 34 no. 7:2146-2153 Jl '64.

INDONESIA—ECONOMIC ASSISTANCE, AMERICAN

New forms and an old reality. IU. Aleksandrov. Az. i Afr. seg. 8 no 7 12-13 Jl '64

INDONESIA—ECONOMIC CONDITIONS

Hate is a bad adviser. M. Nikolaev. Az. i Afr. seg. 8 no 7 55-56 Jl '64

INDONESIA—FOREIGN RELATIONS—RUSSIA

A. I. Mikoian on Soviet-Indonesian negotiations. Nov. vrem. 21 no 29 5-6 Jl '64

The Soviet Union and Indonesia, documents and speeches (supplement). Nov. vrem. 21 no 29 36-48 Jl '64.

INDONESIA—FOREIGN RELATIONS—UNITED STATES

Hate is a bad adviser. M. Nikolaev. Az. i Afr. *seg.* 8 no 7 55-56 Jl '64

INDONESIA—RELATIONS (GENERAL) WITH RUSSIA

Welcome Indonesia. A. Guber. Nov. vrem. 22 no. 34: *10-11 Ag '64.*

INDUCTANCE

Inductance of a semiconductor diode in pulsed operation. N. A. Brynskikh. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no. 5:58-62 '63.

INDUCTION HEATING

Dolgopolov, N. N. [Electrophysical methods in the technology of building materials] Elektrofizicheskie metody v tekhnologii stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 301 p.

Electric heat treatment of 30Kh2 steel. I. N. Kidin, V. I. Lizunov. Izv. vys. ucheb. zav.; chern. met. 7 no 7: 171-175 '64.

Small-size unit for the induction heating of rolls before placing in the rolling mill stand. L. M. Logvinov. Metallurg 9 no 5 33-34 My '64

INDUCTION MOTORS see Electric motors, Induction

INDUSTRIAL BUILDINGS

(see also subdivision under Daugavpils)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for planning anticorrosive protection of structural elements of industrial buildings producing aggressive media] Ukazaniia po proektirovaniiu antikorrozionnoi zashchity stroitel'nykh konstruktsii promyshlennykh zdanii v proizvodstvakh s agressivnymi sredami (SN 262-63) Moskva, Stroiizdat, 1964. 89 p

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Concerning the organization of the designing of industrial buildings and production structures in agriculture. Biul. stroi. tekh. 20 no 12 1-6 D '63

Design and construction of industrial buildings should be based on economic considerations. V. E. Zuev. Uch. zap. Penz. inzh.-stroi. inst. no. 1:197-201 '61.

Osipov, L. G., P. P. Serbinovich, and V. E. Krasenskii. [Public and industrial buildings; architectural and construction designs and building elements] *Grazhdanskie* i promyshlennye zdaniia; arkhitekturno-konstruktivnye skhemy i elementy zdanii. Izd. 3., perer. Pod red. L. G. Osipova. Moskva, Vysshaia shkola, 1964. 483 p.

Popov, A. N. [Industrial construction] Promyshlennoe stroitel'stvo. Moskva, Izd-vo "Znanie," 1964. 37 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 13)

Use *of standard sections in designing.* Biul. stroi. tekh. *20 no 12 26-31 D '63*

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS—DESIGN AND CONSTRUCTION

Establishing efficient parameters and designs for electric dump trucks used in open-pit mining. *F. M. Besklopchenko.* Sbor. nauch. trud. KGRI no 10:276-278 '61.

INDUSTRIAL ENGINEERING

(see also subdivision under *Hungary)*

Completed plants should be put into full operation quicker. V. Sominskii. Kommunist 41 no 10 74-84 Jl '64.

INDUSTRIAL EQUIPMENT

Design new equipment in the new way. B. Khazin. Part. zhizn' no. 12:24-27 Je '64.

Russia (1923- U.S.S.R.) Komitet standartov, mer i *izmeritel'nykh priborov.* [Brass, copper and aluminum bottoms; *design and specifications*] Dnishcha latunnye, mednye i aliuminievye; konstruktsiia i ispolnitel'nye razmery. (MN 3033-61—*MN 3049-61). Moskva,* Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashino*stroeniia)*

Russia (1923- *U.S.S.R.)* Komitet standartov, mer i izmeritel'nykh priborov. [Parts and units of vessels and apparatus, connecting *pipes, end caps,* manholes made of two-layer steel for a nominal pressure from 2.5 *to 64 kgf/cm²)* *Detali* i uzly sosudov i apparatov; shtutsery, zaglushki, liuki-lazy iz dvukhsloinoi stali na P_y *ot 2,5 do 64 kgs/cm²* (*MN* 4579-63—MN 4602-63) Moskva, Izd-vo standartov, 1963. 107 p. *(SSSR. Normali* mashinostroeniia)

Russia (1923- *U.S.S.R.)* Komitet standartov, mer i izmeritel'nykh priborov. [Supports of vertical and *horizontal vessels* and devices] Opory vertikal'nykh i gorizontal'nykh sosudov i apparatov (*MN 5128-63—MN 5134-63*). Moskva, Izd-vo standartov, 1964. 44 *p.* *(SSSR. Normali* mashinostroeniia)

Russia (1923- *U.S.S.R.)* Komitet standartov, mer i izmeritel'nykh priborov. [Welded steel vessels and devices, units and parts, *semispherical* bottoms] Sosudy i apparaty stal'nye svarnye; uzly i detali, dnishcha polusharovye (MN 4704-63). Moskva, Izd-vo standartov, 1964. 103 p. (SSSR. Normali mashinostroeniia)

Speed-up the putting of equipment into operation. P. Zel'tser. Plan. khoz. 41 *no 8:51-55 Ag '64.*

INDUSTRIAL EQUIPMENT—*MAINTENANCE* AND REPAIR

Basic trends in the organization of repair work. I. *S. Korenkov.* Mashinostroitel' no. 6 13-14 Je '64.

Encourage cost reduction for the repair of equipment. F. Dronov. Fin. SSSR 38 no 6:41-44 Je '64.

Pekelis, G. D., and B. T. Gel'berg. [Mechanization of *fitting and repair work] Mekhanizatsiia slesarno-remontnykh* rabot. Moskva, Mashinostroenie, 1964. 157 p.

INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS

Modernization of equipment in the light and textile industries. L. Z. Gal'per, M. S. Novikov. Mekh. i avtom. proizv. 18 no 1:43-44 Ja '64.

INDUSTRIAL HYGIENE

(see also subdivision under Krasnodar)

Afanas'eva, L. V. [Industrial dust and its hygienic significance] Promyshlennaia pyl' i ee gigienicheskoe znachenie. Pod red. A. S. Arkhipova. Moskva, Tsentr. in-t usovershenstvovaniia vrachei, 1963. 23 p.
[DNLM MICROFILM]

Methodology for rapid determination of acetone [illegible] *in the air of industrial premises.* E. A. Medved' [illegible] Lab. delo no. 7 424-425 '64

They are the masters. Okhr. truda i sots. strakh. 7 no. 5 35-36 '64

INDUSTRIAL HYGIENE—RESEARCH

Science of hygiene and industry. L. Medved'. Okhr. truda i sots. strakh. 7 no. 5:5-8 '64.

INDUSTRIAL MANAGEMENT

(see also subdivision under Bryansk Province; Communist Countries; Kaluga *Province; Middle* Ural Economic region; Novosibirsk Province; *Perm Province; Siberia)*

Approximate determination of optimum values for technical and economic calculations. S. V. Zhak, [illegible] Vest. mashinostr. 44 no. 6 78-82 Je '64

Garetovskii, N. V. [Incentive funds of enterprises] Pooshchritel'nye fondy predpriiatii. Moskva, Finansy, 1964. 222 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of industrial enterprises for independent students and for auditors of seminars in the party educational system] Programma po ekonomike promyshlennykh predpriiatii dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy partiinogo prosveshcheniia. Moskva, Izd-vo "Mysl'," 1964. 60 p.

Kudriavtsev, E. A. [Awakened giants; how to search for and find production potentials] Razbuzhennye bogatyri; o tom, kak iskat' i nakhodit' rezervy proizvodstva. Moskva, Izd-vo "Znanie," 1964. 77 p. *(Narodnyi* universitet kul'tury; Tekhniko-ekonomicheskii fakul'*tet, no. 9)*

[School of socialist management; a school reader for workers studying the economics of industrial enterprises] Shkola sotsialisticheskogo khoziaistvovaniia; kniga dlia chteniia v shkolakh rabochikh, izuchaiushchikh ekonomiku promyshlennykh predpriiatii. Izd. 2., perer. i dop. Moskva, Politizdat, 1964. 318 p.

INDUSTRIAL MANAGEMENT—BIBLIOGRAPHY *see* Bibliography—Industrial management

INDUSTRIAL MANAGEMENT—LAWS AND LEGISLATION

Further increase of the role of legal media in the strengthening of the economic management of enter*prises.* I. D. Nesterenko. Sov. gos. i pravo 34 no 7, 3-9 Jl '64.

Review of the proceedings of the conference on the theoretical and practical aspects of legal services in industrial enterprises. Sov. gos. i pravo 34 no 7, 9-18 Jl '64.

INDUSTRIAL MANAGEMENT—MATHEMATICAL MODELS

The matrix model system of intraplant planning. N. A. Ioshin. Plan. khoz. 41 no 8:60-65 Ag '64

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL MOBILIZATION see subdivision under Europe, Western

INDUSTRIAL ORGANIZATION

Erroneous points of a booklet. K. Larionov. Fin. SSSR 38 no. 6:87-92 Je '64.

Orlov, N. A., E. N. Slastenko, and E. S. IAmpol'skii [Specialization and cooperation in U.S.S.R. industry; *the* industrial practice of the regional economic councils of the U.S.S.R.] *Spetsializatsiia i kooperirovanie* v promyshlennosti SSSR; opyt promyshlennosti sovnarkhozov SSSR. Moskva, Izd-vo "*Mysl'*," 1964. 225 p.

INDUSTRIAL PAINTING *see* Painting, *Industrial*

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

[Establishing norms for operation completion in industrial construction] Normirovanie zadelov v promyshlennom stroitel'stve [By] G. T. Budovoi i dr. Moskva, Stroiizdat, 1964. 123 p.

Kovalenko, IU. N. [Economics of designing industrial structures] Ekonomika proektirovaniia promyshlennykh zdanii. Kiev, Budivel'nyk, 1964. 100 p.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION (Continued)

M [illegible]

Tipovye proekty gidrolizno-drozhzhevykh zavodov bol'shoi moshchnosti. Moskva, 1963 35 p. (Gidroliz i lesokhimiia)

[MICROFILM]

Unified standard spans for buildings of the building materials and construction industries Biul. stroi. tekh 20 no. 7,1-3 Jl '63.

INDUSTRIAL PROCUREMENT

Classification of marketing costs in supply and sale organizations I Ratner Bukhg uchet 20 no 12 18-19 D '61

R. Khalfina's "Legal regulation of the delivery of goods and the economy." G. Shapkina Sov iust 28 no. 7· 28-29 Ap '64

Ways to eliminate the dispersion of resources in marketing. A. Agre. Fin. SSSR 38 no 6:25-29 Je '64.

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL SAFETY

(see also subdivision under Kemerovo Province; Ural Mountain region)

Estrin, R. IA. [Safety technique when welding and cutting gas pipelines in operation] Tekhnika bezopasnosti pri ognevykh rabotakh na deistvuiushchikh gazoprovodakh. Moskva, Nedra, 1964. 44 p.

Kubitskii, M. A. [Safety technique on main gas pipelines] Tekhnika bezopasnosti na magistral'nom gazoprovode. Leningrad, Izd-vo "Nedra," 1964. 106 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

INDUSTRIAL STATISTICS

(see also subdivision under Europe, Eastern)

Economic competition of the U.S.S.R. with principal capitalist countries. Mir. ekon. i mezhdunar. otn no 8: 154-157 '64.

"Statistical methods for studying the production potentials of an industrial enterprise (elements of technological statistics)" by P. M. Rabinovich. Reviewed by V. Sis'kov. Vest. stat. no. 7:73-77 '64.

INDUSTRIAL TELEVISION

Shumikhin, IU. A. [Automatic television systems] Televizionnye avtomaty. Moskva, Energiia, 1964. 46 p. (Massovaia radiobiblioteka, no. 537)

Some features of using television in measurements. G. IA. Puzikov, N. V. Mikhailova. Vych. tekh. i vop. prog. no. 2:72-78 '63

Television system for wells. A. Kondrat'ev, M. Lukin. Radio no 1:30-32 Ja '64.

INDUSTRIAL WASTES

Obtaining hydrochloric acid from additive-production wastes. IU. A. Mikhaylov. Neftepel. i neftekhim. no. 9: 28-29 '63

Study of the phenomena connected with the building of reservoirs for industrial sewage of the non-ferrous metallurgy enterprises. Kh. K. Karimov, L. M. Semenov. Sbor. nauch. trud. NII po stroi. ASIA no. 4.115-116 '63.

INDUSTRIAL WASTES—PURIFICATION

Adsorption of sulfur dioxide from water by activated carbons. L. II. Pitt, M. T. Hopalo Khim. prom [Ukr.] no 1:39-41 Jl-S '63

Purification of waste waters from the washing of the electric filters of lime kilns. P. A. Podosynkin and others. Khim. prom. [Ukr.] no. 3:82-84 Jl-S '63.

INDUSTRIES—BIBLIOGRAPHY see Bibliography—Industries

INDUSTRIES, LOCATION OF

(see also subdivision under Bulgaria; Czechoslovakia)

Methodological problems in studying the diversified development of regional economy. L. V. Starodubskii. Izv. Sib. otd. AN SSSR no. 10:13-24 '62.

Russia (1923- U. S. S. R.) Sovet po izucheniiu proizvoditel'nykh sil. Laboratoriia matematicheskikh metodov. [Use of mathematics in the distribution of productive forces] Primenenie matematiki pri razmeshchenii proizvoditel'nykh sil. Moskva, Izd-vo "Nauka," 1964. 134 p.

Several problems of industrial distribution. N. Nekrasov. Plan khoz. 41 no 8 8-15 Ag '64

Studying several prerequisites of the industrial development of small and medium-size cities in the Central Economic Region. F. M. Listengurt, I. M. Smoliar. Izv. AN SSSR. Ser. geog. no. 4:79-90 '64.

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor.: Ekon. prom. no. 8 Ag '64.

INEQ [illegible] ations.
Coe. [illegible] Jl
P. I [illegible]
'64.

INERTIAL NAVIGATION

Inertial systems of navigation L. Karga Tekh i vooruzh. no. 3·94-95 Mr '64

INFANTS

Method of examining gastric secretion in very young children. M. B. Kossiura. Trudy Tadzh. med. inst. 50:133-138 '61.

INFANTS—CARE AND HYGIENE

Isaeva, E. I. [For the very little] Dlia samykh malen'kikh. Moskva, Fizkul'tura i sport, 1964. 75 p. (Gimnastika dlia vsekh)

INFANTS—DISEASES

Is radiation therapy necessary in contemporary treatment of tuberculosis of various localizations in infants? K. A. Moskacheva. Med. rad. 7 no. 9.32-36 S '62.

Morphological characteristics of staphylococcal pneumonia treated with antibiotics in very young children. A. S. Shelepin. Trudy Tadzh med. inst. 50:66-71 '61.

Phonocardiographic data on breast-fed infants. M. A. Buridze-Sturua. Trudy Inst. eksp. i klin. khir i gemat. AN Gruz. SSR 11:283-290 '63.

INFANTS—NUTRITION

Phagocytic reaction in children during their first year of life determined against a background of an adequate diet under home conditions T N. Khaustova. Vop pit. 23 no 1:30-33 Ja-F '64

Some problems of the care and feeding of prematurely born and weak infants. B. F. Shagan. Trudy Tadzh. med. inst. 50:51-54 '61.

Time for the first feeding of newborn infants. G. E. Levina. Trudy Tadzh. med. inst 50:43-50 '61.

INFANTS (NEWBORN)

(see also subdivision under Dushanbe)

Are there seasonal fluctuations in the weight of newborn infants. B. L. Gurtovoi. Trudy Tadzh. med. inst. 50: 29-34 '61.

INFANTS (NEWBORN)—DISEASES

Antitoxic antistaphylococcal immunity in puerperants and newborn infants in connection with their immunization with staphylococcal anatoxin. A. M. Dolgopol'skaia. Akush. i gin. 40 no. 1:27-31 Ja-F '64.

Case of congenital reticulosis. V. N. Rumiantsev. Probl. gemat. i perel. krovi 8 no. 8:49-50 Ag '63.

Effect of immunization with staphylococcal anatoxin on the condition of newborns and infants during the first two months of life. T. V. Pchelintseva, R A. Pleshanova. Akush. i gin. 40 no. 1:40-43 Ja-F '64.

Prevention of suppurative infection in puerperants and newborn infants with staphylococcal anatoxin. S. G. Khaskin. Akush. i gin. 40 no. 1:13-17 Ja-F '64

Use of staphylococcal anatoxin for prevention of suppurative diseases in puerperants and newborn infants. A. I. Dmitrieva, B. V. Voskresenskii. Akush. i gin. 40 no. 1:22-26 Ja-F '64.

INFINITE

Philosophical comprehension of the finite and the infinite V. I Sviderskii. Vop filos 18 no 6·37-46 '64.

INFINITE PRODUCTS see Products, Infinite

INFLAMMATION

Motor defense conditioned and unconditioned reflexes in rats during the development of acute infectious and aseptic inflammation. P. N. Aleksandrov Pat. fiziol. i eksp. terap. 6 no. 4:38-40 Jl-Ag '62.

Relation of the development of inflammation to the state of the blood coagulation system. I. A. Oivin and others. Arkh. pat. 26 no. 2:63-68 '64.

Role of fibrin and the cellular elements of exudate on the formation of collagen fibers in aseptic inflammation. IU. G. TSellarius, G. P Sokolova, N I Kremlev Izv Sib. otd AN SSSR no. 9.122-124 '62

Role of radiation therapy in acute and chronic inflammatory diseases. I. A. Pereslegin. Med. rad. 7 no. 9: 28-32 S '62.

INFLORESCENCE

Anomalies of the flower of Tulipa julia C. Koch. P. P. Gambarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 12: 81-87 D '62.

Biology of flowering and the structure of flowers in the knotweed Polygonum coriarium Grig. V I. Kuz'min Bot. zhur 49 no 5.725-731 My '64.

Opening of flowers and the lengthening of the stamen filaments in Gramineae V. A. Bannikova Bot zhur. 49 no. 5:735-739 My '64.

INFLUENZA

Characteristics of an influenza outbreak among garrison personnel. K. V. Goriachko and others. Voen.-med. zhur. no. 1:54-56 '63.

Characteristics of the psychopathological picture of schizophrenia developed in connection with influenzal infection. E. L. Maksutova. Trudy Gos. nauch.-issl. inst. psikh. 40:182-190 '63.

INFLUENZA VIRUSES

Biological properties of the influenza virus of animals. G. A. Smirnova, V M Stakhanova. Veterinariia 41 no. 4·7-12 Ap '64.

Studying the effect of nucleases on the capacity of the influenza virus for the reaction of hemagglutination. T. G Kitaeva Izv Sib otd AN SSSR no. 7·106-[illegible] '62

INFORMATION SERVICES

Scientific technological documentation and information congress and exhibition in Rome A I Chernyi Vest AN SSSR 34 no 7 93-97 Jl '64

INFORMATION SERVICES—ABSTRACTS

[Scientific and technical information] Ref. zhur.: Nauch. i tekh inform. no. 4 Ag '64

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Mechanized retrieval of information in archives I I Segina. Vop. arkh 8 no 4 90-99 Jl-S '63

Use of ferrite-transistor elements. V G. Pershcev. Vest. TSNII MPS 23 no. 4:60-64 '64.

INFORMATION THEORY

Efficient planning of search operations. IU V. Liubatov Izv AN SSSR. Tekh. kib. no. 1 94-100 Ja-F '64.

Evaluation of the characteristics function of a stationary random process. N. I. Gol'dberg. Radiotekh i elektron 9 no. 7:1300-1304 Jl '64.

Increasing the reliability of objective speech sound cognition using recheck. G. I. TSemel'. Probl. pered. inform. no. 15.77-79 '63.

Method for correcting error bursts. O. V. Popov. Probl. pered. inform. no. 15:61-70 '63.

Sinitsyn, B S [Automatic correlators and their applications] Avtomaticheskie korrelliatory i ikh primenenie Novosibirsk, Red -izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 215 p.

Teplov, N. L. [Interference rejection of discrete information transmitting systems] Pomekhoustoichivost' sistem peredachi diskretnoi informatsii. Moskva, Izd-vo "Sviaz'," 1964. 358 p.

INFORMATION THEORY IN BIOLOGY

RNA carrier and code of hereditary information. V. G. Tumanian, N G. Esipova, N. S Andreeva Biofizika 8 no 1·124-125 '63

INFORMATION THEORY IN PHYSICS

Information models in physics G B Zhdanov Vop filos. 18 no 7 69-72 '64

INFRARED APPARATUS AND APPLIANCES

Operation of infrared radiation burners in the wind. Z. L. Zakharova Gaz. prom 8 no 2·26-30 '63.

INFRARED RAYS

Changes in skin temperature and infrared radiation of the bodies of children during air-light baths under the climatic conditions of the Moscow area. V. G. Kochankov Vop. kur., fizioter. i lech. fiz kul't no. 6 488-497 '63

Comparison of Elsasser and Goody's models of the spectral absorption band of the infrared radiation by water vapors. N. I. Kozhevnikov. Soob. GAISH no. 131· 3-9 '64.

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Dolgopolov, N. N. [Electrophysical methods in the technology of building materials] Elektrofizicheskie metody v tekhnologii stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 301 p.

Using gas infrared radiators for warming up free-flowing materials frozen in railroad cars. D. V. Shatilov, I A. Polosin. Gaz. prom. 9 no. 6.19-22 '64.

INFRARED SPECTRUM see Spectrum, Infrared

INFUSORIA—PARASITES see Parasites—Infusoria

INGODA VALLEY (CHITA PROVINCE)—WATER, UNDERGROUND

Hydrogeological conditions in the Ingoda-Bylyra interfluve of central Transbaikalia V. M. Stepanov, L. L Bogdanova. Mat. Kom. po izuch. podzem. vod Sib. i Dal' Vost no. 2:186-194 '62.

INHALATION THERAPY

Anesthesia in special examinations of the heart and major vessels. Z. L. Liubicheva, B. S. Uvarov. Grud. khir. 5 no. 5.81-86 S-O '63.

Effectiveness of different methods of endobronchial therapy in the complex treatment of patients with bronchial and pulmonary tuberculosis. IU. M. Guseev. Probl. tub. 42 no. 1:34-39 '64.

INHIBITION

Effect of ginseng and the long-leaf carline thistle on Sechenov's inhibition. E. E. Belen'kii, V. E. Kolla, I. P. Startseva. Mat. k izuch. zhen'. i drug. lek rast Dal'. Vost. no. 5:133-135 '63.

Formation and dynamics of conditioned inhibition in ontogenesis in dogs. L. N. Kozlova. Fiziol. zhur. 10 no. 1:38-46 '64.

INHIBITION (CHEMISTRY)

Concerning the remarks on articles by IU. A. Kolbanovskii, A. M. Brodskii, L. S. Polak on the mechanism of radiolysis inhibition. A. M. Brodskii, IU. A. Kolbanovskii, L. S. Polak. Kin. i kat 5 no. 2:360-364 Mr-Ap '64.

Determination of the relative rate constants of reactions between peroxide radicals and inhibitors. E. T. Denisov, A. L. Aleksandrov. Zhur. fiz. khim. 38 no. 2 491-494 F '64.

Inhibition of the activity of mitochondrial amine oxidases by some tricyclic compounds I V Verevkina and others Dokl AN SSSR 157 no 1 191-193 Jl '64

Inhibition of the anodic ionization of zinc. M. A. Loshkarev, M. G. Efremova. Trudy DKHTI no. 16.77-85 '62.

Remarks on articles by IU. A. Kolbanovskii, A. M. Brodskii, L. S. Polak on the mechanism of radiolysis inhibition. V. A. Krongauz, Kh. S. Bagdasar'ian. Kin. i kat. 5 no. 2:358-359 Mr-Ap '64.

Synthesis of polyfunctional inhibitors for the oxidation of fuels. F. N. Mazitova, O. S. Durova, V V, Bukhriakova. Neftekhimiia 4 no. 2 323-328 Mr-Ap '64.

INJECTIONS

Quality of water used in pharmacies of the Ukrainian S. S R. for the preparation of injections M D Denysov Farmatsev zhur. 18 no 5:12-16 '63

INJECTIONS—TESTING

Automatic testing of solutions in ampuls. A. I. Novikov, B. S. Aleksandrov. Mekh. i avtom. proizv. 18 no 1: 16-18 Ja '64.

INJECTIONS, INTRA-ARTERIAL

Forcing of the blood into the ascending aorta in an agonal condition of a parturient. A. T Kariukina Akush. i gin. 39 no 5:68-70 S-O '63.

INJECTIONS, INTRAVENOUS

Antishock fluid. A. IA Medvedev. Akush i gin. 39 no 5:123-125 S-O '63.

INLAND WATER TRANSPORTATION

Russia (1917- R. S. F. S. R.) Ministerstvo rechnogo flota. [Safety regulations and industrial sanitation on ships of the river fleet, power plants and machinery] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na sudakh rechnogo flota, silovye ustanovki i mekhanizmy. Moskva, Izd-vo "Rechnoi transport," 1962. 90 p.
[MICROFILM]

INLAND WATER TRANSPORTATION—EMPLOYEES see subdivision under Irtysh Valley

INLAND WATER TRANSPORTATION—STATISTICS

Index method in the analysis of statistical indices of transportation work I. V. Sipovskaia. Vest. LGU 19 no. 11:26-40 '64.

INORGANIC CHEMISTRY see Chemistry, Inorganic

INOSINIC ACIDS

Inclusion of a hydrogen atom of C-5 and δ-aminolevulinic acid into inosinic acid and hypoxanthine in the liver of a pigeon. A. E. Braunshtein and others. Dokl. AN SSSR 157 no. 4:982-984 Ag '64

INSCRIPTIONS see subdivision under Georgia

INSCRIPTIONS, TURKIC see subdivision under Mongolia

INSECT BAITS AND REPELLENTS

Gladkikh, S. G. [Preparations repelling bloodsucking insects and ticks] Sredstva otpugivaiushchie krovososushchikh nasekomykh i kleshchei. Moskva, Meditsina, 1964. 113 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Study of chemoreception in insects and ticks; characteristics of the function of chemoreceptors in the tick Hyalomma asiaticum P. Sch. et E. Sch. under the influence of repellents E. Kh. Zolotarev, IU. A. Elizarov. Zool. zhur. 43 no. 4:549-559 '64.

INSECTICIDES

Fertilizers combined with systemic poisons in the control of cotton sucking pests. V. I. Derlabin. Khim. v sel'. khoz. 2 no. 4:24-25 Ap '64.

Insecticidal activity of substituted amides of 9-fluorenone-4-carboxylic acid and its derivatives. L. P. Kulev and others. Izv. Sib. otd. AN SSSR no. 12 137-140 '62.

Using superphosphates with insecticide supplements in the protection of corn against wireworms. T. P. Skazkina, A. G. Treml', V. I. Zharkov. Khim. v sel'. khoz. 2 no. 4:29-31 Ap '64.

INSECTS—BEHAVIOR

Ecology of the hibernation of the malaria mosquito Anopheles maculipennis Mg. (Diptera, Culicidae) in northern districts of the White Russian S. S. R. A. G. Maevskii. Ent oboz. 42 no. 4:744-756 '63.

INSECTS—CLASSIFICATION

Systematic position of the parasitic hymenopteron Coccidencyrtus ambiguus (Nees)(Hymenoptera, Encyrtidae). V. A. Triapitsyn. Ent. oboz 42 no. 4: 884-888 '63.

INSECTS—DEVELOPMENT

Ecology of the onion bulb fly Eumerus strigatus Fall. (Diptera, Syrphidae). Sh. M. Zabirov Ent oboz 42 no. 4 736-743 '63

Taxonomy and development of Glyptotendipes flaucus Mg. and G. gripekoveni Kieff (Diptera, Chironomidae) Ent oboz 42 no. 4 889-908 '63

INSECTS—EGGS

Heterogeneity of eggs laid by a single mulberry silkworm moth. E. G Petrosian Izv AN Arm. SSR Biol. Nauki 15 no. 12:53-59 D '62.

INSECTS—FOOD

"Origin of anthophily in insects" by E K. Grinfel'd. Reviewed by V. Tobias Ent oboz 42 no 4:945-946 '63

INSECTS—MIGRATION

Migration of flies under urban conditions E. F. Gadzhei. Med. paraz i paraz. bol. 32 no 4:465-468 Jl-Ag '63

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
(see also subdivision under Moldavia; Savala region, Voronezh Province)

A water and sandblasting method of controlling larvae of bloodsucking midges (Diptera, Simuliidae). V. S Odintsov. Med. paraz. i paraz. bol. 32 no. 4 481-483 Jl-Ag '63.

INSECTS AS CARRIERS OF DISEASE

Grokhovskaia, I. M., and V. M. Saf'ianova. [Vectors of human diseases] Perenoschiki boleznei cheloveka. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 15)

INSTALLMENT PLAN
(see also subdivision under Germany, East)

Regulate accounting and payments for goods sold on credit V. Stepanov and others Bukhg uchet 20 no. 12 20-26 D '63

INSTRUMENT FLYING

Instruments show the route (conclusion). A. Gamulin, E. Sofronov. Kryl. rod. 15 no. 5:20-21 My '64.

INSTRUMENTATION AND ORCHESTRATION

Finkel'shtein, I. B. [Some orchestration problems; orchestral timbre intensity and orchestral dynamics] Nekotorye problemy orkestrovki; napriazhennost' orkestrovogo tembra i orkestrovaia dinamika. Moskva, Muzyka, 1964. 38 p. music (insert. V pomoshch' pedagogu-muzykantu)

Zriakovskii, N. N. [General course in instrumentation; the symphony orchestra and the score] Obshchii kurs instrumentovedeniia, simfonicheskii orkestr i partitura. Moskva, Muzgiz, 1963. 543 p.

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING MATERIALS

Glue, an insulator. Kh. Gadel'shin. Tekh. i vooruzh no. 3:68-69 Mr '64.

INSULATING OILS

Dissolution of gaseous inclusions in mineral transformer oil. IU. S. Pintel' Izv. vys ucheb. zav., energ. 7 no. 7:95-98 Jl '64.

Effect of moisture on the electrical strength of transformer oil. D. A. Kaplan, G. S. Kuchinskii Elektrotekhnika 35 no. 5:30-33 My '64.

Laboratory techniques for evaluating the stability of transformer oils. K I Ivanov, R A Lipshtein. Elektrotekhnika 35 no. 5:33-35 My '64.

Obtaining transformer oil by the acid-contact method A A. Bashilov and others. Nefteper. i neftekhim no 8,7-9 '63

Reference sheet. Radio no. 1:61-62 Ja '64.

INSULATION (HEAT)

Determination of the heat resistance of single and multilayer materials in a three-dimensional thermal flow. L. I. Sliobodianiuk, A. A. Sendetskii. Izv. vys. ucheb. zav., energ. 7 no. 7:54-59 Jl '64.

Developing formulas and schedules for the heat treatment of heat insulating slabs made of perlite. D. V. Zhukov, N. A. Gavrilkina, I. A. Nikitin. Sbor. trud. ROSNIIMS no. 25:141-149 '62.

Heat insulating materials made from a sprit base. O. S. Borisenko, A. G. Shidlovskaia. Stroi. mat. 9 no. 6: 19 Je '63.

Investigating the heat and hydraulic regimes of heat-insulated pipelines. I. S. Striuk, V. I. Chernikin. Transp. i khran. nefti i nefteprod. no. 7:3-6 '64.

INSULIN

Adrenocorticotropic and insulotropic effects in the regulation of the blood sugar level in schizophrenia. A. L. Gamburg. Zhur. nevr. i psikh. 63 no. 9:1398-1405 '63.

Effect of insulin on phosphate excretion by the "little rumen" wall in cattle. S. Z. Hzhyts'kyi, M. M. Vol's'kyi. Dop. AN URSR no. 8:1092-1094 '64.

Insulin activity of the blood. L. L. Liberman. Usp. sovr. biol. 55 no. 2:296-312 Mr-Ap '63.

INSULIN SHOCK THERAPY

Study of the hydrophilia skin test in schizophrenia in connection with insulin treatment N A Iakovleva Sbor. nauch. rab. stud Volg. gos. med inst no 1:97-101 '60.

INSURANCE, SOCIAL
(see also subdivision under Kemerovo Province, Kostroma Province; Leninsk-Kuznetskiy, Kemerovo Province, Sverdlovsk Province; United States; Uzbekistan)

Budget of kind deeds. L Kucherova. Sov. profsoiuzy 20 no 15 23-24 Ag '64

Comments by Ministers of the Union Republics Sots obesp 24 no 12 4-9 D '63

Compensation procedure for the disbursement of temporary disability grants. I. Stepanov. Okhr. truda i sots. strakh 7 no. 5:41-42 '64.

Deputies are the first assistants. V. Kozyrev Sots. obesp 24 no 12.24-26 D '63.

Diseases are disappearing. N. Panina Sov profsoiuzy 20 no. 15 27-28 Ag '64

Mil'man, A. Sh. [Administration of public health and social security in the U. S. S. R.] Upravlenie zdravookhraneniem i sotsial'nym obespecheniem v SSSR. Baku, Izd-vo Azerbaidzhanskogo gos. univ. im. S. M. Kirova, 1960. 62 p.
[MICROFILM]

Our May Day. Okhr. truda i sots. strakh. 7 no. 5:1 '64

Physicians' reliable aids IA. Gorshkova Sov profsoiuzy 20 no 15 25-26 Ag '64

Procedure for the collection of delinquent taxes, compulsory insurance payments, and self-assessments B. Il'in. Sots. zakon 41 no. 4:66-67 Ap '64

Remarks and comments Sov. profsoiuzy 20 no. 15 41 Ag '64

INSURANCE, SOCIAL—AUDITING AND INSPECTION see subdivision under Tambov Province

INSURANCE, SOCIAL—EMPLOYEES

Selection and training of personnel is an important task K. M. Dolgov Sots. obesp. 24 no 12:1-3 D '63

Uninterrupted length of service. V. Karavaev. Sots zakon 41 no. 4:49-50 Ap '64.

INTAKES (HYDRAULIC ENGINEERING)

Arrangement of a sea water-intake basin on the Insular shoals; based on data from laboratory research I A Vaisfel'd Trudy Gidrav lab. VODGEO no 10:38-52 '63

Calculation of water intake and water-level reducing wells in "closed layers." F. M. Bochever. Trudy Lab. inzh. gidrogeol. VODGEO no. 5 65-81 '63.

New types of wells for vacuum water lowering under complex hydrogeological conditions. R. N Arutiunian, A. D. Buntman, D. G. Shneider. Energ. stroi. no 35: 44-47 '63

Principles of the calculation of the intake of dense currents in water intake apertures A V. Bochkarev Vop. gidr. no13 105-122 '63.

Results of the operation of the water intake of the Upper Zeravshan Hydroelectric Power Stations. Vop. gidr. no 13 145-186 '63.

Study of riparian and insular floodable self-washing water-intakes A. S. Obrazovskii, G. B. Voino-Sidorovich. Trudy Gidrav. lab. VODGEO no. 10 159-179 '63.

INTEGRAL EQUATIONS

Approximate solution of a singular integral equation I. N Dombrovskaia. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:38-45 '63.

Approximate solution of the inverse logarithmic potential problem. K. N. Gur'ianova. Mat. zap. Ural mat ob-va UrGU 4 no. 2:28-37 '63.

Approximation of quasi-linear integral Volterra equations by algebraic equations. V. R. Vinokurov. Izv. vys. ucheb. zav.; mat. no. 6:39-48 '63.

Calculating the index of a system of almost difference-type integral equations. L. S. Rakovshchik. Sib. mat. zhur. 5 no. 4:904-909 Jl-Ag '64.

A class of singular integral equations and a generalized Carleman type boundary value problem. G. S. Litvinchuk, E. G. Khasabov. Sib. mat. zhur. 5 no. 4: 858-880 Jl-Ag '64.

Functional expansions in the theory of statistical equilibrium. IU. V. Gurikov. Ukr. fiz. zhur. 9 no. 4: 360-365 Ap '64.

Renormalization of a quasi-potential equation for a system of two particles. R. N. Faustov. Dokl. AN SSSR 156 no. 6:1329-1332 Je '64.

Singular integro-functional equations. I. M. Mel'nik Izv. vys. ucheb. zav.; mat no 2:100-109 '64.

Solution of integral equations in the theory of light scattering. D. I. Nagirner. Astron. zhur. 41 no. 4: 669-675 Jl-Ag '64.

Solution of nonlinear integral equations of first order. A. N. Tikhonov. Dokl. AN SSSR 156 no. 6:1296-1299 Je '64.

INTEGRAL EQUATIONS (Continued)

Study of a class of nonlinear operative-integral equations in a Banach space. S. Ashirov Izv. AN Turk. SSR. Ser. fiz -tekh , khim. i geol. nauk no. 2,11-15 '63

Use of IU. D Sokolov's method in solving mixed type linear integral equations. V I. Tyvonchuk. Dop AN URSR no. 8 1014-1018 '64

Use of the method of integral equations in calculating an unsteady subsonic gas flow past an oscillating lattice. V B. Kurzin. PMTF no. 2:112-119 Mr-Ap '64.

INTEGRALS

Somilian-type formula for an n-dimensional Lamé equation M. Zifakhodzhaev, Izv AN Uz. SSR. Ser. fiz - mat. nauk 7 no. 5:30-36 '63.

INTEGRALS, DEFINITE

Kronrod, A. S. [Nodes and weights of quadrature formulas, sixteen-place tables] Uzly i vesa kvadraturnykh formul, shestnadtsatiznachnye tablitsy. Moskva, Izd-vo "Nauka," 1964. 143 p.

INTEGRALS, GENERALIZED

Boundary properties of the S_p integral. M. N. Shafeev, Izv vys ucheb zav., mat no 2:165-175 '64

Du-Bois-Reymond's theorem for generalized integrals and trigonometric series summable by Abel-Poisson's method. V. A. Skvortsov. Vest. Mosk. un. Ser. 1: Mat., mekh 19 no. 4:16-20 Jl-Ag '64.

INTEGRALS, MULTIPLE

A formula for the approximate calculation of double integrals. IU. D. Fedorenko Dop. AN URSR no. 8, 1000-1005 '64.

INTEGRODIFFERENTIAL EQUATIONS

A. I. Nekrasov's conditions in the theory of a certain class of linear integrodifferential equations. V. V. Vasil'ev. Izv. vys. ucheb. zav.; mat. no. 6:29-38 '63.

Asymptotic behavior of solutions to linear integrodifferential equations of the second order. B. I. Aleksandriiskii. Izv. vys. ucheb. zav.; mat. no. 6;3-14 '63.

Derivation of an equation describing the prediction and smoothing of processes. G. N. Mil'shtein. Mat zap Ural. mat ob-va UrGU 4 no. 2:91-94 '63.

Existence of a periodic solution to an integrodifferential equation. L. P. Bisiarina Mat. zap. Ural. mat ob-va UrGU 4 no. 2;18-27 '63.

Hilbert's method for solving Boltzmann's kinetic equation. V. V. Struminskii. Dokl. AN SSSR 158 no. 1.70-73 S-O '64.

Stability of solutions of integrodifferential partial equations. L. P. Bisiarina. Izv. vys. ucheb. zav , mat. no. 2:31-40 '64.

INTELLECTUAL LIFE

The fine Soviet man; notes of a reporter. V. Bocharnikov. Agitator no. 10;54-56 My '64.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Prospects of the development of large intersystem power transmission networks. G. E Burtseva, E. P. Zakharova Sbor. rab. po vop. elektromekh. no. 10;3-15 '63.

INTERFEROMETER

Resolving power of spectral instruments. Part 2. V. P. Kozlov. Opt. i spektr. 17 no. 2,278-283 Ag '64.

INTERFEROMETRY

Use of the method of light demodulation analysis in solving certain problems in twin-wave interferometry. L. P. Mazan'ko. Opt. i spektr. 17 no. 2;272-277 Ag '64.

INTERIOR DECORATION

Krasnov, N. P. [Finishing of rooms during repair] Otdelka komnat pri remonte. Izd. 3,, perer. Moskva, Stroiizdat, 1964. 184 p. illus. (insert)

INTERLIBRARY LOANS

International library loans. Biul. TSentr. nauch. sel'khoz. bibliot. no. 1;23 '57.

Simplify interlibrary loan procedure. A. Zaichenkova, A. Zavalishina. Bibliotekar' no. 7.50-51 Jl '64.

INTERMETALLIC COMPOUNDS

Constitution and structure of the intermetallide phase in alloys of the six-component system Ti - Al - Cr - Fe - Si - B. V. S. Mikheev and others. Izv. AN SSSR. Met. i gor. delo no. 2:156-160 Mr-Ap '64.

INTERNAL COMBUSTION ENGINES

Effect of the structural characteristics of the engine and of its technical state on the degree of aging of lubricating oils. F. G. Suleimanova. Azerb. khim. zhur. no. 5; 23-33 '63.

Madzhuga, G. S., and V. Kh. Podoinitsyn. [Rotary piston internal combustion engines] Rotorno-porshnevye dvigateli vnutrennego sgoraniia. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. IV *Seriia: Tekhnika, no. 15)*

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. no. 8 Ag '64. Predmetnyi ukazatel' za 1963 g.

INTERNAL COMBUSTION ENGINES—CARBURETORS

Effect of some parameters on carburetion mixing in a precombustion engine L. M. Sobolev. Trudy Kostr. sel'khoz. inst. "Kar " no 3 226-233 '63.

INTERNAL COMBUSTION ENGINES—COLD WEATHER OPERATION

Study of the start of an internal combustion engine S. F. Rubinshtein. Trudy VZEI no 20 31-43 '62.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Carburetion and control in gasoline engines with direct injection. N. A. Kerimov, R I Mekhtiev. Za tekh prog. 3 no. 11;23-26 N '63.

Magnetic-inertial fuel injector for the injection of light fuel into internal combustion engines S P Skripkin Trudy Kostr sel'khoz inst "Kar " no 3 212-217 '63

Substantiation of the feed system of a gas engine with a torch igniter L M Sobolev Trudy Kostr sel'khoz inst "Kar " no. 3.267-277 '63.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Gamma rays and internal conversion electrons from the reaction $Hf^{177}(n,\gamma)Hf^{178}$. L. V. Groshev and others. Izv. AN SSSR. Ser. fiz. 28 no. 7;1244-1254 Jl '64.

INTERNAL FIXATION IN FRACTURES

Intraosseous fixation of a femur fraction with a capron pin. L. G. Dvali, K. M. Skamkochaishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:257-262 '63.

INTERNAL FRICTION

Effect of hardening on the temperature range of internal friction in transformer steel. IU. S Avraamov, A. I. Anoshin. Fiz. met. i metalloved. 17 no. 4 614-616 Ap '64.

Effect of low-melting metal coatings on the thermal fatigue of NP-2 nickel. V. P. Zubekhin, N. D. Novokreshchenov. Fiz. met. i metalloved. 17 no. 6,943-944 Je '64.

INTERNAL MEDICINE see Medicine, Internal

THE INTERNATIONAL

Contemporary bourgeois and reformist falsifiers of the history of the First International. N. IU. Kolpinskii, V. G. Mosolov Vop. ist. KPSS 8 no. 9:55-66 S '64.

Creative principles of Marxism in programs of documents of the First International I. A. Bakh, V. E. Kunina. Vop. ist. KPSS 8 no. 9.42-54 S '64.

Development of the problems of the history of the First International in the Institute of Marxism-Leninism attached to the Central Committee of the CPSU. Vop. ist. KPSS 8 no. 9:151-152 S '64.

From the First International to the present-day communist movement. Jacques Duclos. Vop. ist. KPSS 8 no. 9;30-41 S '64.

Hundredth anniversary of the founding of the First International. Vop. ist. KPSS 8 no. 9;28-29 S '64.

Ivanov, N. N. [The First International; the 100th anniversary of the creation of the International Workingmen's Association by K. Marx and F. Engels] I Internatsional' k 100-letiiu so dnia sozdaniia K. Marksom i F. Engel'som Mezhdunarodnogo Tovarishchestva Rabochikh. Moskva, Izd-vo "Znanie," 1964. 44 p. (Novoe v zhizni, nauke, tekhnike. I Seriia. Istoriia, no. 16)

Marxism-Leninism in action. M. Semichaevskii. Bibliotekar' no. 8;4-7 Ag '64.

The most influential force of modern times. Antal Apro. Part. zhizn' no. 15;21-27 Ag '64.

New study on the Haag congress of the First International. R. Tagirov. Vop. ist. KPSS 8 no. 9;133-134 S '64.

Polianskii, F. IA. [Economic ideas of the First International] Ekonomicheskie idei I Internatsionala. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 16)

The struggle of K. Marx for the unity of the working class and the ratification of a socialist program at the First International; on the publication of the first and second volumes of the "Protocols of the General Council of the International Association of Workers. F. G. Riabov, Z. V. Chernukha. Vop. ist. KPSS 8 no. 9;126-132 S '64.

INTERNATIONAL AND MUNICIPAL LAW

Relationship between international and municipal law. D. B. Levin. Sov. gos. i pravo 34 no. 7:86-95 Jl '64.

INTERNATIONAL BANK OF ECONOMIC COLLABORATION

A new system of accounts. P Nosko. Vnesh. torg. 44 no. 7;28-31 '64.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL COOPERATION

International legal aspects of governmental cooperation in the economic and social fields; based on the League of Nations materials. E. S. Pchelintsev. Uch. zap IMO no. 16:177-217 '63

INTERNATIONAL ECONOMIC RELATIONS

International legal aspects of governmental cooperation in the economic and social fields; based on the League of Nations materials. E. S. Pchelintsev. Uch. zap. IMO no. 16;177-217 '63.

World capitalism and underdeveloped countries. G. Mirskii. Mir. ekon. i mezhdunar. otn. no. 8;151-154 '64.

INTERNATIONAL FEDERATION OF CHRISTIAN TRADE UNIONS

International Federation of Christian Trade Unions and the "Common Market." M. Domnich. Mir. ekon. i *mezhdunar. otn. no. 8;119-123 '64.*

INTERNATIONAL LABOR LAWS AND LEGISLATION see Labor laws and legislation, International

INTERNATIONAL MEDIATION see Mediation, *International*

INTERNATIONAL RELATIONS

On the agenda. Mezhdunar. zhizn' 11 no. 9:160 S '64.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERPLANETARY VOYAGES

Qualitative study of differential equations of flight by means of a solar sail K. G. Valeev. PMTF no. 2:120-129 Mr-Ap '64.

INTERPOLATION

Iterative methods with divided differences of the second order. S. IU. Ul'm. Dokl. AN SSSR 158 no 1; 56-58 S-O '64.

INTERSEXUALITY see Hermaphroditism

INTERSTELLAR GASES see Gases, Interstellar

INTERVENTION (INTERNATIONAL LAW) see subdivision under Africa

INTESTINES

Mechanism of epithelial desquamation of the villi in the small intestine. IU. P. Kukel'. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:96-99 O '63.

INTESTINES—ANATOMY

Age-related anatomy of the extraorganic lymphatic apparatus of the small intestine. Arkh anat gist i embr 45 no 11:71-80 N '63

INTESTINES—CANCER

Primary multiple cancer of the large intestine. G. V. Khomeriki. Trudy Inst. eksp. i klin. khir i gemat. AN Gruz. SSR 11;125-129 '63.

INTESTINES—DISEASES

Effect of vitamin C on the immunobiological reactivity of the body in chronic colitis and enterocolitis. N. I. Ekisenina, L. P. Miagkova, M. L. Mirer. Vop. pit. 23 no. 1;26-30 Ja-F '64.

Mechanisms of the pathogenic action of endotoxins of microbes of the intestinal group. A. D. Ado. Usp. sovr. biol. 55 no. 2:239-254 Mr-Ap '63.

INTESTINES—INNERVATION

Interrelation between the structural characteristics, the gradient of intraorganic neural elements along the intestinal tube and its motor functions. E. P. Mel'man and others. Arkh. anat., gist. i embr. 43 no. 8:53-63 *Ag* '62.

INTESTINES—INTUSSUSCEPTION

Use of a barium enema in the diagnosis and treatment of invaginations in early childhood. M. E. Roshal'. Azerb. med. zhur. no. 6;23-28 Je '62.

INTESTINES—OBSTRUCTIONS

Case of successful surgical treatment of acute intestinal obstruction in thromboembolism of the mesenteric vessels in a patient on the third day after mitral commissurotomy. G. I. TSukerman, A. D. Levant, E. P. Kyo. *Grud. khir.* 5 no. *5:89-90 S-O '63.*

Performance of I. I. Grekov's operation. Sh. Z. Nemsitsveridze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11;253-256 '63.

INTESTINES—RADIOGRAPHY

Apparatus for contrast study of the large intestine. V. A. Khachatrian. Vop. rent. i onk. 7:139-142 '63.

Use of a barium enema in the diagnosis and treatment of invaginations in early childhood. M. E. Roshal'. Azerb. med. zhur. no. 6:23-28 Je '62.

INTESTINES—SECRETIONS

Intestinal secretion in monkeys. Z. N. Dzhelieva. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:18-21 O '63.

INTESTINES—SURGERY

Case of successful surgical treatment of acute intestinal obstruction in thromboembolism of the mesenteric vessels in a patient on the third day after mitral commissurotomy. G. I. TSukerman, A. D. Levant, E. P. Kyo. Grud. khir. 5 no. 5:89-90 S-O '63.

Morphological changes in the gastric mucosa following an extensive resection of the small intestine. G. IA. Odishvili, L. Sh. Tevdoradze, G. V. TSitskishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11;143-150 '63.

Performance of I. I. Grekov's operation. Sh. Z. Nemsitsveridze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11;253-256 '63.

INTESTINES—TRANSPLANTATION

Experimental enteroplasty of the urinary bladder. V. M. Vertepova, E. L. Vol'pian, S. B. Ramenskii. Urologiia no. 1;22-25 '64.

Experimental physiological and histochemical study of the adaptation of intestinal transplants incorporated in the urinary system. S. Z. Fradkin. Izv. Sib. otd. AN SSSR no. 8;103-109 '62.

Ileocystoplasty and sigmoidocystoplasty. Trin-Ko Nguen, Me Nguen. Urologiia no. 1;18-21 '64.

INTESTINES—TRANSPLANTATION (Continued)

[illegible] of the restored urinary bladder in vari[illegible] of intestinal plastic surger[illegible]. II.F. [illegible] 10 [illegible] 1137-113[illegible] '64.

[illegible] surgery on the thoracic portion of the [illegible] strictures and cancer. G.E. [illegible], [illegible], B.A.To[illegible]hakov. Grud. [illegible] 67-73 [illegible] '63.

INTRA-ARTERIAL INJECTIONS see Injections, Intra-arterial

INTRACRANIAL PRESSURE

[illegible] electrical activity of the rabbit brain [illegible] increasing compression [illegible] Fiziol. zhur. [Ukr.] [illegible] no. 6 731-7[illegible]

[illegible] experimental study of cerebral circulation [illegible] intracranial hypertension. IU. [illegible], [illegible] M. [illegible]. Zhur eksp i klin med 4 [illegible] '64

INTRATRACHEAL ANESTHESIA

[illegible] special examinations of the heart and major vessels. Z.I.Lubicheva, B.S.Uvarov. Grud. khir. 5 no.5 31-36 S-O '63.

INTRAVENOUS ANESTHESIA

Anesthesia in special examinations of the heart and major vessels. Z.I.Lubicheva, B.S.Uvarov. Grud. khir. 5 no 5 31-36 S-O '63.

INVARIANTS

[illegible] approximation in quantum and classical mechanics. A.M Dykhne, V.L.Pokrovskii. Izv.Sib.otd AN SSSR [illegible] 33-50 '62.

INVENTIONS

[illegible] accessible to everyone. [illegible] 75-79 Mr '64

INVERTEBRATES

Organization and function of the neurosecretory system in higher invertebrates. A.A.Voitkevich. Fiziol. zhur. 1[illegible] no.1 94-101 '64.

INVESTMENTS, AMERICAN see subdivision under Congo (Leopoldville), Latin America

INVESTMENTS, FOREIGN see subdivision under Africa

IOANNIDES, BASILEOIS, 1896-1964

Professor Basileios Ioannides. Nikos Nissiotis. Zhur Mosk Patr. [illegible] 6 44-46 '64

IODATES

Coprecipitation of iodate and periodate ions with ferric hydroxide. A I Novikov, E.I.Finkel'shtein. Zhur. anal khim 19 no 5:541-544 '64.

IODIDES

Some data on the results of treatment of cancer patients with cadmium iodide and semicarbazide hydrochloric acid at the Second United Hospital of the Moscow district of Leningrad. L.S.Vil'ner. Vop.onk. 9 no.6: 120-125 '63.

IODINE

Effect of organic impurities on the oxidation regularities of iodine ion with chlorine and hypochlorite in natural water. G R.Zalkind, S.I IArovskii. Izv AN Turk SSR Ser fiz.-tekh., khim. i geol. nauk no. 2 3[illegible]-43 '63

IODINE—PHYSIOLOGICAL EFFECT

Effect of predominant carbohydrate nutrition in iodine deficiency associated with some functional stresses on the development of experimental goiter. A.I. Shteberg, I A.Kusevitskii. Vop.pit. 23 no.1 43-51 Ja-F '64.

Iodinated bread in the prevention of endemic goiter in Amur Province. A.I.Ostroglazov. Vop.pit. 23 no.1 86 Ja-F '64.

Iodine content in food products of local origin in regions of the White Russian S.S.R. with various distribution rates of endemic goiter. L.F.Romysh, R.L.Patent, G.IA.Godes. Vop.pit. 23 no.1:51-57 Ja-F '64.

Iodine in agricultural chemistry. M.V.Katalymov. Agrokhimiia no 1 69-80 Ja '64

IODINE ISOTOPES

Determination of a free alkaline earth metal in oxide cathodes with the aid of radioactive iodine. V.P. Pomaskov, V.P.Vasil'ev. Izv.AN SSSR.Ser.fiz. 28 no.8:1354-1359 Ag '64.

Saliva-iodine-thyroid test in the diagnosis of the functional state of the thyroid gland. L.A IUdin. Med.rad. 8 no.12:16-21 D '63.

IODINE ISOTOPES—THERAPEUTIC USE

Changes in the blood picture in thyrotoxicosis treated with radioactive iodine. E.M.Semenskaia, N.V.Dzhibladze, N.A.TSintsadze. Trudy Inst.eksp.i klin.khir i gemat AN Gruz.SSR. 11:87-90 '63.

Determination of protein-bound iodine in thyrotoxicosis treated with radioactive iodine. V.N.Slavnov, T.P. Sivachenko. Med.rad. 8 no.12;21-25 D '63.

Five years' experience in the use of radioactive iodine in treating thyrotoxicosis. K D Eristavi, T O.Zhvaniia. Trudy Inst.eksp i klin.khir i gemat.AN Gruz SSR 11: 81-86 '63

Some indices of the blood system during treatment of thyrotoxicosis with J^{131}. V.M.Udod. Med rad. 8 no 12·13-16 D '63.

Treatment of thyrotoxicosis with radioactive iodine. A M Bykhovskaia, L.I.Tolstoukhova. Med.rad 8 no 12·9-13 D '63

Treatment of thyrotoxicosis with radioactive iodine. G.A Kazarian. Zhur eksp.i klin med 4 no 2:39-45 '64

IODINE METABOLISM

Determination of protein-bound iodine in thyrotoxicosis treated with radioactive iodine. V N.Slavnov, T.P Sivachenko. Med.rad. 8 no 12·21-25 D '63.

IODOMETRY

Arsenate method of the iodometric determination of gallium. G B Shakhtakhtinskii, G A Aslanov, G A Saakarov. Dokl.AN Azerb SSR 19 no. 3:27-30 '63

ION EXCHANGE

Acid-base interactions in ion-exchange extraction processes. L M.Gindin. Izv Sib otd AN SSSR no. 12·128-130 '62

Investigating the kinetics of the interaction between liquid metal and slag by electrochemical methods. IU.P. Nikitin. Sbor.nauch.trud.Ural.politekh.inst. no.126: 49-58 '63.

Ion exchange method of producing hydrobromic and hydriodic acids. A.I.Vulikh, V.L.Bogatyrev. Izv.Sib. otd.AN SSSR no.8:53-64 '62.

Studies in the field of complex chromium sulfates. A.A. Morozov, R.M Dranitskaia, A I.Gavril'chenko. Nauch ezhegod Khim fak Od un no 2:65-68 '61.

Study of the precipitation and adsorption series of cations on various carriers and adsorbents. M S.Fortunatov, N.O.Vartapetova. Dop.AN URSR no.8 1088-1091 '64

ION EXCHANGERS

(see also subdivision under Great Britain)

Akademiia nauk SSSR. Institut fizicheskoi khimii. [Study of the properties of ion-exchanging materials] Issledovanie svoistv ionoobmennykh materialov. Moskva, Nauka, 1964 231 p.

Maintenance of parallel transport conditions in a moving bed of ion exchanger. V.I.Gorshkov, I.A.Kuznetsov, G.M.Panchenkov. Zhur.fiz.khim. 36 no.3 611-613 Mr '62.

Separation of iron and chromium in the presence of trilon B on anion and cation exchangers. A A.Morozov, Z.P.Suranova, L.A.Naide. Nauch ezhegod.Khim fak. Od un no 2 63-64 '61.

Slotted distributing system for ion-exchanger filters made of steel tubes. A.M.Kukin. Khim.volok. no.3: 67-68 '64.

Some physical and physicochemical properties of the SG-1 carboxyl cation exchanger. A.A.Morozov and others. Nauch ezhegod Khim fak Od un no 2·74- '61

Sorption of titanium (IV) on the KU-1 cation exchanger. A.I.Zhukov, A.S.Nazarov. Zhur.neorg.khim. 9 no.6:1465-1471 Je '64.

IONA, Bishop of Astrakhan and Yenotaevsk, 1924-

Nomination and ordination of Archimandrite Iona as Bishop of Astrakhan and Yenotaevsk. Zhur Mosk.Patr. no 8 10-14 '64

IONIC CRYSTALS

Voltammetric characteristics of positive sodium ion transport through the interface electrolyte - sodium glass - vacuum [with summary in English]. V.I. Danilkin, V.A.Ivanov. Zhur.fiz.khim. 38 no.2.290-294 F '64.

IONIC SOLUTIONS

Association of ions in solutions. Part 9. A.M.Sukhotin, E.M.Ryzhkov. Zhur.fiz.khim. 36 no.3;601-604 Mr '62.

IONIC SOLUTIONS—THERMODYNAMICS

Equilibrium of ionic systems with account of discontinuity surfaces. Part I. A.I.Rusanov. Zhur.fiz.khim. 36 no.3·549-556 Mr '62.

IONIZATION

Interrelation between atomic and molecular refraction and complete ionization [with summary in English]. I.L.Agafonov, A.L.Agafonova. Zhur.fiz.khim. 38 no.2;356-360 F '64.

Ionization fluctuations in low-pressure proportional counters. E.O.Agasian, G.A.Marikian. Izv.AN Arm.SSR.Ser.fiz.-mat.nauk 16 no 6:125-130 '63.

Ionization of oxygen at a three-phase boundary in alkaline solutions [with summary in English]. IU.A.Mazitov, K.I.Rozental', V.I.Veselovskii. Zhur.fiz.khim. 38 no.2:449-455 F '64.

Mechanism underlying the effect of gases on the thermionic emission from metals. L.P.Rekova, S.S. Strel'chenko, IA.M.Fogel'. Izv.AN SSSR.Ser.fiz 28 no.8:1377-1381 Ag '64.

Tribenzylamine as an inhibitor of tin ionization and Sn^{2+} discharge on an amalgam electrode. M.G.[illegible], M.A.Loshkarev. Trudy DKHTI no.16.90-112 '6[illegible].

IONIZATION CHAMBERS

Measuring the activity of beta emitters by means of an ionization chamber. K K Aglintsev, E.P.Mosk[illegible], S A.Rusinova. Trudy inst.Kom.stand.[illegible] no 69 42-55 '62

IONIZATION OF GASES

Ionization and electron capture in collisions between hydrogen ions with atoms and molecules of gases. IU S.Gordeev, M.N Panov. Zhur.tekh.fiz 34 no 5:857-860 My '64.

Ionization relaxation behind a shock wave front in argon with a cesium impurity. I.T.IAkubov. Zhur.tekh.fiz. 34 no.5:870-8[illegible] My '64.

IONOSPHERIC RADIO WAVE PROPAGATION

Probability of the propagation of radio waves through the E_s layer. IU.K.Chasovitin, S.G.Fesenko. Elektrosviaz' 18 no.8:77-7[illegible] Ag '6[illegible].

IONOSPHERIC RESEARCH

[illegible]

No. 12. Mirkotan, S.F., and IU.V.Kushnerevskii. [Nonuniform structure and motions in the ionosphere] Neodnorodnaia struktura i dvizheniia v ionosfere. 1963. 162 p.

IONS

Anion and cation interaction with molecules of a solvent and the volumetric effects of hydration. I.V.I[illegible]. Ukr.fiz.zhur. 9 no.4:405-412 Ap '64.

Dissociation of doubly charged ions. Dissociation of CO^{++} ions. S.E.Kupriianov. Zhur.tekh.fiz. 34 no.5 861-867 My '64.

Effect of ion focusing in velocity modulated electron beams. N.S.Zinchenko, B.A.Zhigailo. Zhur.tekh. fiz. 34 no.7:1306-1311 Jl '64.

Energy distribution of sputtered atoms appearing during the bombardment of metals by mercury ions. M.I. Ben'iaminovich, V.I.Veksler. Izv.AN SSSR.Ser.fiz. 28 no.8:1387-1390 Ag '64

Hydration theory. A.M.Zaitseva, I.Z.Fisher. Ukr.fiz. zhur. 9 no.4:383-387 Ap '64.

Ionization rate, recombination, and mean lifetime of ions in flames. N.A.Nesterenko. [illegible] fiz. no. 1:17-21 '64.

Some characteristics of uranium oxidation by trivalent iron ions. Vikt I.Spitsyn, G.M.Nesmeianova, A.I. Vikulov. Atom.energ. 17 no.2.119-12[illegible] Ag '64

Some properties of binary functions of distribution of a mixture of ions and dipole molecules. I.R.IUkhnov-skii, A.A.Nekrot. Ukr.fiz.zhur. 9 no.4:365-375 Ap '64.

Study of the behavior of a plasma in a magnetic trap with axial current (system II). I.M.Podgornyi, V.N. Sumarokov. Zhur.tekh.fiz. 34 no.5;833-840 My '64

Theory of the electrostatic interaction of colloid ions with different discrete surface charge in an electrolyte solution. IU.I.IAlamov. Zhur.fiz.khim. 38 no.2 [illegible] F '64.

IONS—CAPTURE

Study of gas-discharge and cosmic plasmas by means of multielectrode probes. N.I.Ionov. Zhur.tekh.fiz. 34 no.5:769-787 My '64.

IONS—MIGRATION AND VELOCITY

Aluminum migration and wetting during the aluminothermic reduction process. A.S.Dubrovin, L.N.Rusakov, IU.L.Pliner. Izv.AN SSSR.Met.i gor.delo no.2 [illegible]

Determination of transport numbers in aqueous solutions of magnesium chloride. N.L.Varshavskaia, E.A. Kalmakov. Zhur.fiz.khim. 38 no.2;461-46[illegible] F '64.

Investigating the state of the atoms of molybdenum and tungsten in their binary alloys. I.M.Frantsevych and others. Dop.AN URSR no.8:1060-1063 '64.

Measurement of the mobility of impurity ions in highly concentrated electrolyte solutions [with summary in English]. E.A.Kalmakov. Zhur.fiz.khim. 38 no.2 375-379 F '64.

Penetration of ions of certain alkali metals into copper and silver. V.N.Lepeshinskaia, E.M.Zarutskii. Izv.AN SSSR.Ser.fiz. 28 no.8:1390-1394 Ag '64.

Use of the secondary ion-electron emission method in the comparative study of the depth of penetration of various ions into dielectric films. L.P.Moroz, A.Kh. Alukhanov. Izv.AN SSSR.Ser.fiz. 28 no.8:1395-1405 Ag '64.

Voltammetric characteristics of positive sodium ion transport through the interface electrolyte - sodium glass - vacuum [with summary in English]. V.I. Danilkin, V.A.Ivanov. Zhur.fiz.khim. 38 no.2:290-294 F '64.

IONS—SCATTERING

Excitation of nuclei in the scattering of heavy ions. V.K. Luk'ianov. Izv.AN SSSR.Ser.fiz. 28 no.7:1212-1219 Jl '64.

IORDACHESCU, DAN

Vocal evenings Natalia Rozhdestvenskaia Sov muz 28 no 1 90-91 Ja '64

IRAQ—PETROLEUM INDUSTRY

Fears of the petroleum monopolies. IU Bochkarev. Az i Afr seg 8 no 6 54-55 Je '64.

IRAQ—PETROLEUM PIPELINES

Remote pipeline control in Iraq. Transp. i khran. nefti i nefteprod. no. 7:38 '64.

IRAQ—REMOTE CONTROL

Remote pipeline control in Iraq. Transp. i khran. nefti i nefteprod. no. 7:38 '64.

IRIS (PLANT)

[illegible] oil from iris flowers E. D Ponomarev, V G Gertsenshtein. Masl.-zhir. prom. 30 no. 7:28 Jl '64

IRKUTSK BASIN—WATER, UNDERGROUND

Underground waters of the Irkutsk Basin. E. V Pinneker. Mat. Kom po izuch. podzem. vod Sib. i Dal'. Vost. no 2: 138-145 '62

IRKUTSK PROVINCE—AGRICULTURE—COSTS

Kazanskii, A. M. [Agricultural production costs and ways to reduce them; using the example of the collective and state farms of Irkutsk Province] Sebestoimost' sel'skokhoziaistvennoi produktsii i puti ee snizheniia, na primerakh sovkhozov i kolkhozov Irkutskoi oblasti. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1964. 88 p. (Osnovy ekonomicheskikh znanii-kazhdomu kolkhozniku)

IRKUTSK PROVINCE—FOOD—ANALYSIS

Content of fluorine in food products from Irkutsk Province. T. N. Ruzhnikova. Vop. pit. 22 no. 3:86-87 My-Je '63.

IRKUTSK PROVINCE—FOREST ECOLOGY

Forest-type zones in Irkutsk Province. L. V. Popov Izv. Sib otd AN SSSR no. 12:103-114 '62.

IRKUTSK PROVINCE—MINES AND MINERAL RESOURCES

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie geologii i okhrany nedr. Irkutskoe geologicheskoe upravlenie. [Recent data on the geology, petroleum potentials, and mineral resources of Irkutsk Province] Novye dannye po geologii, neftenosnosti i poleznym iskopaemym Irkutskoe oblasti. Moskva, Nedra, 1964. 278 p.

IRKUTSK PROVINCE—OIL WELL DRILLING

Results of deep drilling in the region of the Zhigalovo bar. A. S. Amstiferov. Geol. nefti i gaza 8 no. 8:24-28 Ag '64.

IRKUTSK PROVINCE—PETROLEUM GEOLOGY

Types of fractured reservoir rocks in the carbonate sediments of the Lower Cambrian and their distribution in the territory of the Irkutsk Amphitheater V. N. Kalacheva Trudy VNIGRI no. 228:7-17 '64.

IRKUTSK PROVINCE—ROCKS, CARBONATE

Types of fractured reservoir rocks in the carbonate sediments of the Lower Cambrian and their distribution in the territory of the Irkutsk Amphitheater V. N Kalacheva Trudy VNIGRI no 228:7-17 '64.

IRKUTSK PROVINCE—WATER, UNDERGROUND

Underground waters of Irkutsk Province. E. V. Pinneker, I. N. Uglanov, N. N. Shuranova. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:101-111 '62.

IRON—ANALYSIS

Apparatus for determining the quantity of iron in agglomeration charges by the X-ray spectral fluorescent method. V. P. TSvetkov, V. K. Kalosha. Zav. lab. 30 no. 6:762 '64.

Separation of iron and chromium in the presence of trilon B on anion and cation exchangers. A. A. Morozov, Z. P. Suranova, L. A. Naido. Nauch. ezhegod Khim. fak Od un. no. 2:63-64 '61.

IRON—CORROSION

Protective action of acetylene in the dissolution of iron in hydrochloric acid. I. N. Putilova, N. V. Rudenko, A. P. Terent'ev. Zhur. fiz. khim. 38 no. 2:494-496 F '64.

IRON—FRACTURE

Conditions of the start of flow and the failure of iron. A. S. Drachinskii, V. F. Moiseev, V. I. Trefilov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:18-21 '64.

IRON—METALLOGRAPHY

Critical points in the polymorphic transformations of iron during rapid heating. IU. IA. Meshkov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:90-95 '64.

Effect of cyclic temperature fluctuations and tensile stresses on changes in the [illegible] cross-section of [illegible] commercial-steel [illegible] M. G. [illegible] Ferenets. Izv AN SSSR Met [illegible] Mr-Ap '64.

Effect of high pressure on the phase equilibrium line of the eutectoid part of the iron-carbon diagram. T. P. Ershova, E. G. Poniatovskii. Fiz. met i metalloved. 17 no. 4 584-591 Ap '64.

IRON—METALLURGY

Interaction between copper and iron sulfides and fused iron-calcium silicates D. M. Chizhikov, Z F Gulianitskaia, I N Eremenko Izv. AN SSSR. Met i gor. delo no 2:41-44 Mr-Ap '64.

Kinetics of the dissolution of alloying metals in liquid iron. P M. Shurygin, V D. Shantarin. Izv. AN SSSR. Met. i gor. delo no. 2 38-40 Mr-Ap '64.

Mechanism of the reduction of an iron-slag melt by carbon. I. N. Zakharov, S V. Shavrin. Izv. AN SSSR. Met. i gor. delo no 2 31-37 Mr-Ap '64.

IRON—NITROGEN CONTENT

Thermodynamics of nitrogen solutions in liquid iron V. V. Averin, A. M Samarin. Izv AN SSSR Met. i gor delo no. 2 3-12 Mr-Ap '64

IRON—TESTING

Critical points of pure iron during rapid electric heating. V N. Gridnev, IU. IA. Meshkov, S P Oshkaderov Sbor. nauch. rab Inst metallofiz. AN URSR no 18 96-99 '64

IRON—THERMAL PROPERTIES

Methods of temperature recording during ultra high-speed heating of iron. IU IA Meshkov, S. P Oshkaderov. Sbor. nauch. rab Inst. metallofiz AN URSR no. 18:216-219 '64.

IRON ALLOYS

Certain problems in the geometry of the structural diagrams of iron-carbon-sulfur alloys A. A Zhukov, V. V. Zvolinskaia. Zhur fiz khim 38 no 2:483-485 F '64

Kinetics of the dissolution of alloying metals in liquid iron. P. M. Shurygin, V. D Shantarin. Izv. AN SSSR Met. i gor. delo no. 2:38-40 Mr-Ap '64.

IRON ALLOYS—ELECTRIC PROPERTIES

Investigating the properties of iron-phosphorus melts. Viscosity and electric resistance. I. Dragomir, A. F. Vishkarev, V. I. IAvoiskii. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:48-52 '64.

IRON ALLOYS—ELECTROMETALLURGY

Investigating the kinetics of the interaction between liquid metal and slag by electrochemical methods. IU. P. Nikitin. Sbor. nauch. trud. Ural. politekh. inst. no. 126: 49-58 '63.

IRON ALLOYS—HEAT TREATMENT

Magnesium diffusion in iron-chromium and iron-manganese alloys. E S Kartozia. Trudy GPI [Gruz.] no. 4 75-80 '62.

IRON ALLOYS—METALLOGRAPHY

Interfacial tension of iron and its alloys at the boundary with oxide systems. S. I. Popel'. Sbor. nauch. trud. Ural. politekh. inst. no. 126:5-17 '63.

Regularities and nature of the effect of addition elements on the polymorphism of iron. A. S. Zav'ialov. Izv. AN SSSR. Met. i gor. delo no. 2:92-98 Mr-Ap '64.

IRON ALLOYS—TESTING

Density of iron alloys with carbon in solid and liquid states. A. A. Vertman, E. S. Filippov, A. M. Samarin. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:19-23 '64.

IRON ALLOYS—THERMODYNAMICS

Temperature dependence of the energy of mixing iron with carbon [with summary in English]. B. P. Burylev. Zhur. fiz. khim. 38 no. 2:313-315 F '64.

IRON-ALUMINUM ALLOYS—MAGNETIC PROPERTIES

Effect of neutron irradiation on the magnetic moment of the Fe_3Al alloy. G. P. Saenko. Fiz met. i metalloved. 17 no 5 689-692 My '64.

Study of certain magnetic properties of Fe-Al alloys. V. V. Zubov. Izv. vys. ucheb. zav.; fiz. no. 4:3-5 '64.

IRON ALUMINUM ALLOYS—TESTING

Properties of ferritic iron-aluminum alloys. O. A. Bannykh and others. Trudy Inst. met. no. 14:68-77 '63.

IRON AND STEEL BRIDGES see Bridges, Iron and steel

IRON AND STEEL PLANTS see subdivision under Bokaro, India; Cherepovets (Vologda Province); Transcaucasia; Zhdanov

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Creative potentialities of efficiency promoters at the "Electrostal'" Plant F Stadnik Metallurg 9 no. 7:37 Jl '64.

In the country's steel smelting plants. A. F. Karasov and others. Metallurg 9 no 5:24-28 My '64.

Potentials for increasing the output of a converter plant. N. A. Tareiko. Met. i gornorud. prom. no. 6:62-64 N-D '62.

IRON AND STEEL PLANTS—LABOR PRODUCTIVITY see subdivision under Georgia

IRON AND STEEL PLANTS—PERIODICALS

Readers are discussing the journal "Metallurg." Metallurg 9 no 5 37-38 My '64

IRON AND STEEL WORKERS

(see also subdivision under Cherepovets, Vologda Province, Nikopol', Dnepropetrovsk Province)

About his comrades [illegible] Metallurg 9 no 7 22-23 Jl '64

Friendship creates miracles. V. Vladimirov Metallurg 9 no 7 23 Jl '64

Furnace attendant Mikhail Sergeevich [illegible] M Gladk[illegible] Metallurg 9 no 7 14 Jl '64

In a communist brigade A Sergienko Metallurg 9 no 5 36 My '64

Progressive practices should be made available to every worker B Sergeev Metallurg 9 no 7 34-35 Jl '64

Training in second and allied professions M Kh [illegible] Metallurg 9 no 7 35-36 Jl '64

IRON AND STEEL WORKERS—DISEASES AND HYGIENE

(see also subdivision under Sverdlovsk Province)

Efremov, V. V., ed. [Results of mass-vitaminization of industrial workers] Opyt massovoi vitaminizatsii promyshlennykh rabochikh. Moskva, Meditsina, 1964. 108 p. (Biblioteka sanitarnogo vracha)

IRON-BORON ALLOYS—NITROGEN CONTENT

Nitrogen solubility and the formation of nitrides in iron-boron melts V F. Isaev, A N. Morozov Izv AN SSSR. Met. i gor delo no 2 13-16 Mr-Ap '64

IRON CARBONYLS

Electron microscopy of the secondary structure of iron carbonyl. I. A. Petrova and others. Zhur. fiz. khim. 36 no. 3:613-615 Mr '62.

IRON CHLORIDES

Solubility in the system $FeCl_2 - CoCl_2 - H_2O$ at 15°C. A. P. Shchedrina, M. I. Ozerova. Zhur. neorg. khim. 9 no. 6:1505-1507 Je '64.

IRON-CHROMIUM ALLOYS see Chromium-iron alloys

IRON-COBALT ALLOYS—OXYGEN CONTENT

Effect of silicon on the solubility of oxygen in liquid cobalt and in Co-Fe melts. V. V. Averin, A. M. Samarin. Trudy Inst. met. no. 14:50-57 '63.

IRON COMPOUNDS

Complex compounds of chromium and iron with 1-dimethylamino-5-methyl-2, 3-hexadien-5-ol. S. N. Avakian, R. A. Karapetian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:535-538 '63.

Detection of cobalt (II) in the presence of iron (III) B. Kh Katsman Nauch ezhegod Khim. fak Od un no 2 82-83 '61.

Formation of the ternary complex in the system iron-xylenol orange-fluoride. A. K. Babko, M I. Shtokalo Dop. AN URSR no 8:1077-1080 '64

Surface compounds of iron thiocyanate on ion exchangers A. A. Morozov, A. I Gavril'chenko, V. S. Semchishin. Nauch ezhegod Khim fak Od un no 2:78-82 '61.

IRON CRYSTALS—DEFECTS

Effect of a surface-active medium on changes in the fine crystalline structure of iron hardened by plastic deformation. B. I. Kostetskii, L. F. Kolesnichenko Dokl. AN SSSR 157 no. 4:845-848 Ag '64.

IRON ELECTRODES see Electrodes, Iron

IRON FOUNDING

Anan'in, A. A., and V. P. Chernobrovkin. [Melting cast iron in a cupola furnace] Plavka chuguna v vagranke. Izd. 2. Moskva, Izd-vo "Mashinostroenie," 1964. 56 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

Lamasov, A. A., and E. I. Ostrov. [Casting gray cast iron parts for motor vehicles, practice of the Likhachev Automobile Plant] Proizvodstvo avtomobil'nykh otlivok iz serogo chuguna; iz opyta ZILa. Moskva, Izd-vo "Mashinostroenie," 1964. 143 p.

IRON HYDROXIDES

Coprecipitation of iodate and periodate ions with ferric hydroxide. A. I Novikov, E. I. Finkel'shtein. Zhur. anal. khim. 19 no. 5:541-544 '64.

IRON INDUSTRY

(see also subdivision under Petrovsk-Zabaykal'skiy)

Efforts to produce more and a better quality of metal. I. I Kostiukov. Metallurg 9 no 7:1-2 Jl '64.

Review of N. P. Bannyi's book "Technical and economic calculations in ferrous metallurgy." T. G. Ben', I. S. Kagan. Stal' 23 no. 4:370-371 Ap '64.

IRON ISOTOPES

Gamma-ray spectrum from the reaction $Fe^{56}(n,\gamma)Fe^{57}$. L. V. Groshev and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1234-1243 Jl '64.

IRON MANGANESE ALLOYS—THERMOELECTRIC PROPERTIES

[illegible] thermo[illegible]motive [illegible] iron-manganese [illegible] nickel alloys. A. S. [illegible] 10 367-371 '61

IRON MANGANESE CARBON ALLOYS

[illegible] alloys with carbon and manganese. [illegible] and others. Zhur.neorg.khim [illegible]

IRON MINES AND MINING
(see also subdivision under Krivoy Rog Basin)

[illegible] with an increased working [illegible] and others. Metallurg i gornorud. [illegible]

[illegible] plate structure. A. A. [illegible] V. I. [illegible] Sbor. nauch. [illegible]

[illegible] with variable elements of deposition [illegible] I. A. Petko, V. S. Cherevko. Sbor [illegible] 23 17-23 '63

IRON MINES AND MINING—PRODUCTION STANDARDS see subdivision under Krivoy Rog Basin

IRON-NICKEL ALLOYS—ELECTRIC PROPERTIES

[illegible] between Hall's [illegible] and electric resistance in Fe-Ni alloys. N. V. Bazharova. Fiz met i metalloved. 17 no 5 774-777 My '64

IRON NICKEL ALLOYS—HARDENING

Effect of plastic deformations of the gamma phase on hardening with subsequent martensite transformation of iron-nickel alloys. IU N Koval', L. G Khandros. Sbor nauch rab Inst metallofiz AN URSR no.18 69-73 '64

IRON-NICKEL ALLOYS—METALLOGRAPHY

Changes in structure and strength properties during the heating of an alloy deformed in the martensite state. V. I Zaitsev, V. G Gorbach. Fiz met i metalloved 17 no 5 714-718 My '64

Coercive force and the induced structure of permalloy films. G. I. Levin, S. N Kaverina. Sbor nauch rab Inst metallofiz AN URSR no.18 183-186 '64

Effect of a third element and the structure of invar-type iron-nickel alloys on the ΔE-effect and their physical anomalies. S. I Doroshek. Fiz. met i metalloved. 17 no 4 632-640 Ap '64

X-ray determination of secondary stresses and the size of blocks in thin permalloy films. V. P Skvorchak, G V Khar'kova. Sbor. nauch rab. Inst metallofiz. AN URSR no 18 187-188 '64.

IRON-NICKEL ALLOYS—THERMOELECTRIC PROPERTIES

Effect of structural changes on the thermoelectromotive force in iron-manganese and iron-nickel alloys. A. S. Nikolenko. Sbor nauch trud KGRI no 10 367-371 '61.

IRON ORES
(see also subdivision under Azov, Sea of; Dashkesan region, Azerbaijan, Krivoy Rog Basin)

Akademiia nauk SSSR. Laboratoriia osadochnykh poleznykh iskopaemykh. [Metals in sedimentary formations; ferrous metals, nonferrous light metals] Metally v osadochnykh tolshchakh, chernye metally, tsvetnye legkie metally. Moskva, Izd-vo "Nauka," 1964. 443 p.

IRON ORGANIC COMPOUNDS

Atomic charges in ferrocene and its analogues. S. S. Batsanov. Izv. Sib. otd. AN SSSR no. 9.110-113 '62.

IRON ORGANIC COMPOUNDS—PHYSIOLOGICAL EFFECT

Effect of ferrocene on the hemopoiesis in rats, preliminary data. S A. Papoian, P. V. Breivis. Vop rent. i onk. 7 177-182 '63.

IRON OXIDES

Behavior of iron oxides during the interaction of iron with an enamel melt. IU. P. Nikitin and others. Sbor. nauch. trud. Ural. politekh. inst. no. 126:59-67 '63.

IRON-PLATINUM ALLOYS—METALLOGRAPHY

Dependence of the magnetic structure of $FePt_3$ alloys on the degree of long-range ordering. V V Kelarev, V V Kliushin, B G Liashchenko. Fiz met i metalloved 17 no 5 779-792 My '64

IRON SALT CRYSTALS

Experimental test of the thermodynamic theory of spin-spin paramagnetic relaxation in single crystals of salts of the iron group depending on their orientation in a parallel magnetic field H_0. T. I. Volokhova. Izv. vys ucheb. zav.; fiz. no. 4:80-84 '64.

IRON SILICATES

Reaction equilibrium of the reduction of iron orthosilicate with carbon monoxide at temperatures from 850 to 1150°C. B. G. Lebedev, V. A. Levitskii. Zhur. fiz. khim. 36 no. 3:630-632 Mr '62.

IRON SILICIDES—THERMAL PROPERTIES

Certain thermophysical characteristics of iron silicides. R. P. Krentsis, P. V. Gel'd. Sbor. nauch. trud. Ural. politekh. inst. no. 126:95-99 '63.

IRON SULFIDES see subdivision under Asia, Central

IRON-TITANIUM ALLOYS see Titanium-iron alloys

IRON-TUNGSTEN ALLOYS—METALLOGRAPHY

Size effect in the Fe-W alloy. V. I. Iveronova, A. A. Katsnel'son. Fiz met. i metalloved 17 no 6:809-812 Je '64.

IRON-VANADIUM ALLOYS—ELECTROMETALLURGY

Investigating cathodic polarization during the electrolysis of aqueous solutions of vanadium and iron. G A Kolobov, A M. Kunaev. Trudy Inst met i obog AN Kazakh SSR 8 77-83 '63

IRONWORKS see Iron and steel plants

IRRIGATION

Gifts of irrigated crops. S Folumenov. NTO 6 no. 6: 38-39 Je '64

IRRIGATION CANALS AND FLUMES

Achievements of chemistry in irrigation. N. A. Mostenko. Khim. v sel' khoz, 2 no. 4:54-55 Ap '64.

Calculating the degree of the compaction and thickness of seepage-control screens for channels. B. A. Gleizer. Trudy Giprovodkhoza no. 22:152-154 '63.

Equipment for remote control and the standard groupings of dispatcher points for reclamation systems, technical solutions. Trudy Giprovodkhoza no. 22:3-42 '63

Technical instructions for planning irrigation systems, a design. Trudy Giprovodkhoza no 2. 43-106 '63

IRRIGATION FARMING—BIBLIOGRAPHY see Bibliography—Irrigation farming

IRRIGATION RESEARCH see subdivision under Caucasus; Kulunda Steppe, Soviet Central Asia

IRTYSH VALLEY—INLAND WATER TRANSPORTATION—EMPLOYEES

Attention, calisthenics in industry! V. Smurygin. Sov. profsoiuzy 20 no 14 30-31 Jl '64

ISHIMBAY (BASHKIRIA)—LIBRARIES

Success did not come suddenly. G. Ziganshin. Bibliotekar' no 8 8-10 Ag '64

ISHIMBAY REGION (BASHKIRIA)—PETROLEUM PRODUCTION, THERMAL

Industrial experience in the thermal treatment of wells with a thermal injector. A. S. Bakhtiiarov, I. V. Pastukhov, E. A. Stepanchikov. Nefteprom. delo no. 4:17-20 '63.

ISKITIM (NOVOSIBIRSK PROVINCE)—CEMENT INDUSTRIES

Racing against time. N. Zykov. Agitator no. 10:49-51 My '64.

ISKITIM (NOVOSIBIRSK PROVINCE)—SOCIALIST COMPETITION

Racing against time. N. Zykov. Agitator no. 10:49-51 My '64.

ISOMERISM

Nikitin, E. E. [Modern theories of the thermal disintegration and isomerization of molecules in the gaseous phase] Sovremennye teorii termicheskogo raspada i izomerizatsii molekul v gazovoi faze. Moskva, Izd-vo "Nauka," 1964. 104 p.

ISOMERIZATION

Acid isomerization of sabinene. M. I. Goriaev, V. I. Shabalina, A. D. Dembitskii. Dokl. AN SSSR 158 no. 1: 155-156 S-O '64.

Hydroxydihydrofurans. Part 12: Basic properties of the isomerization products of acetylenic hydroxyphthalans. T. G. Melent'eva, L. A. Pavlova, E. D. Venus-Danilova. Zhur. ob. khim. 34 no. 7:2267-2275 Jl '64.

Improved liquid-phase isomerization of pentane without recirculation. Nefteper i neftekhim. no. 9:36-38 '63.

Isomerization of 2-hydroxy-4-pentyn-2-yl-cyclopentadienyl-manganesetricarbonyl and 2-hydroxy-2-phenyl-4-methylpentyne to the respective enones. A. N. Nesmeianov and others. Dokl. AN SSSR 158 no. 1:163-166 S-O '64.

ISOMERIZATION—THERMODYNAMICS

Thermodynamics of the isomerization of certain dialkylbenzenes. E. P. Babin, V. P. Marsiiupa, I. M. Kolesnikov. Neftekhimiia 4 no. 2:236-240 Mr-Ap '64.

ISOMERS

Configuration of stereoisomers in a series of cis- and trans-1-methyl-3-n. alkylcyclohexanes. G. N. Zhizhin and others. Neftekhimiia 4 no. 2:219-224 Mr-Ap '64.

Establishing the isomer content of xylene in the pyrolysis products of oil distillates. D. A. Aliev, Z. G. Agaeva. Azerb. neft. khoz 43 no. 2:35-37 F '64.

Formulas for calculating the number of theoretically possible isomers of ethers, esters, and methylene glycol. B. F. Pishnamazzade. Azerb. khim. zhur. no. 5:61-71 '63.

ISOMORPHISM

Isomorphism between molybdenum and rhenium in molybdenites. A. S. Faramazian, E. Kh Khurshudian. Dokl. AN Arm. SSR 37 no 4:211-216 '63

ISONIAZID

Enzymatic decomposition of isonicotinic acid hydrazide and its derivatives in the organs of the animals [illegible] L. I. Grebennik. Farm. i toks. 25 no. 6:735-741 [illegible] '62.

Study of the absorption, concentration in the blood and excretion in the urine of the Bulgarian antituberculosis preparation INHA-17. M. N. Simeonov. [illegible] no. 1:30-43 '64.

ISOPENTYL ALCOHOL

Complex esterification of tall oil acids with isoamyl alcohol. V. P. Sumarokov, Z. M. Volodutskaia. [illegible] i lesokhim. prom. 17 no. 3:11-13 '64.

ISOPHTHALIC ACID

Diesters of isophthalic acid as plasticizers. A. I. Kutepova and others. Plast. massy no. 2:52 [illegible]

ISOPRENE

Addition of amines to isoprene. G. T. Martirosian, [illegible] Grigorian. Izv. AN Arm. SSR. Khim. nauki 16 [illegible] 36 '63.

Studying the composition of by-products formed in obtaining isoprene by the dehydrogenation [illegible] and isopentenes. K. N. Chaiskaia, [illegible] Gorin. Neftekhimiia 4 no. 2:101-109 Mr-Ap [illegible]

Synthesis of isoprene from propylene. [illegible] of propylene dimerization products. [illegible] and others. Neftekhimiia 4 no. 2:257-261 [illegible] '64.

ISOPROPYLAMINE

Alkylation of β-phenylisopropylamine by [illegible] bromohydrins. L. A. Petrova, N. N. Bel'tsova, [illegible] Arbuzov. Zhur. ob. khim. 34 no. 7:2300-23[illegible] '64

ISOQUINOLINEACETIC ACID

Use of nitrilium salts in the synthesis of hetero[illegible] amino acids. Report No. 1: Derivatives of 3,4-[illegible]droxy-1-isoquinolineacetic acid. S. G. Agbalian, [illegible] Nshanian, L. A. Nersesian. Izv. AN Arm. SSR. [illegible] nauki 16 no. 1:77-85 '63.

ISOSTASY

Gravity field of the Antarctic and the isostasy [illegible] Frolov. Soob. GAISH no. 135:43-57 '64.

ISOTOPE EXCHANGE

Bromine anion catalysis of the monomolecular [illegible] exchange of benzyl mercury halides with mercury halide. V. A. Kalia vin, T. A. Smolina, O. A. [illegible] Dokl. AN SSSR 157 no 4:919-921 Ag '64.

ISOTOPES

Studying the lower states of Ge^{74}, Se^{78}, [illegible] with the aid of stripping reactions. N. I. [illegible] Nemets, A. M. IAsnogorodskii. Izv. AN SSSR [illegible] 28 no. 7:1160-1163 Jl '64.

ISOXAZOLE

Isoxazole series. Part 10: Behavior of [illegible] in the Friedel-Crafts reaction. S. D. Sokolov, [illegible] Savochkina, N. K. Kochetkov. Zhur. ob. khim. 34 [illegible] 2207-2209 Jl '64.

New reaction of the isoxazole ring. S. D. Sokolov, [illegible] Kochetkov. Dokl. AN SSSR 156 no. 6:1391-1394 [illegible]

ISRAEL—POLITICS AND GOVERNMENT

The Eshkol government maintains the previous [illegible] B Baitt. Az. i Afr. seg. [illegible] no. 6 20-21 Je '64

ISSYKATA (KIRGHIZISTAN)—MINERAL WATERS

Effect of the mineral water of the Issykata Health Resort on the secretory function of the stomach in [illegible] with different degrees of acidity. N. N. [illegible] E. D. Troshina. Sov. zdrav. Kir. no. 5:35 [illegible]

ISSYKKUL'—HEALTH RESORTS, WATERING PLACES, ETC.

Zabirov, R. D. Issyk-Kul'. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 51 p.
(DNLM)

ISSYKKUL' REGION—GAS, NATURAL—GEOLOGY

Gas showings in the Neogene sediments of the Issyk-Kul' Basin. L. N. Vertunov, A. K. TSekhmeistruk. Gaz. prom. 9 no. 6:3-6 '64.

ISSYKKUL' REGION—PLANT INTRODUCTION

Kunchenko, A. I. [New trees and shrubs in the western Issykkul' region; introduction, biology, and recommendations] Novye derev'ia i kustarniki v Zapadnom Priissykkul'e; introduktsiia, biologiia, rekomendatsii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964 [illegible] p.

ITALY—BUILDINGS—AIR CONDITIONING

Air conditioning in industrial and public buildings in Italy. IU M. Buzinov. Biul. stroi. tekh. 20 no. 12 [illegible] D '63.

ITALY—COLLECTIVE LABOR AGREEMENTS—TEXTILE INDUSTRY

For a new collective agreement. Sergio [illegible] Vsem. prof. dvizh. no. 6:26-29 Je '64.

ITALY—ECONOMIC CONDITIONS

South and North. Felice Chilanti. Nov. vrem. 22 [illegible] 10-11 Ag '64.

ONOMIC POLICY
arlant. TSetsilila Kin. Nov.mir. 39 no.12.
9 D '63.

AS, NATURAL
gas in Italy. N.K.Konstantinova, N.L.Suslovich.
lo no.6:43-47 '64.

AS INDUSTRY
technology. Gaz.prom. 8 no.7;53-56 '63.

EOLOGY, STRATIGRAPHIC
y between the Pliocene and Pleistocene in Italy.
Venzo. Biul.Kom.chetv.per. no.29;15-34 '64.

OLITICS AND GOVERNMENT
arlant. TSetsilia Kin. Nov.mir. 39 no.12
9 D '63.
risis of the policy of the left center B.Il'in.
em. 21 no.29 26-27 Jl '64
mentary. Nov.vrem 22 no.31·1-2 Jl '64

OILS—MAPS
ls on the soil map of Italy. I.P.Gerasimov.
wedenie no.7;112-114 Jl '64.

, The Terrible, 1530-1584
ut the terrible tsar E.Dorosh. Nov.mir 40
60-263 Ap '64

KONSTANTIN VASIL'EVICH, 1890-1915
ov's pedagogical views. N.G.Krasnov. Uch.
NIIALIE no.22;287-294 '63.

PROVINCE—RESERVOIRS
yevets "sea." A.Batuev. Izv.Vses.geog.ob-va
3·241 My-Je '64.

—THEATERS
master. O.Dziubinskaia. Teatr 24 no.8·21-22
'63.

—MOTORCYCLES
nskii, L.A., N.I.Slesarenko, and M.G.Cherm-
[Izhevsk sports motorcycles; their design and
tion] Izhevskie sportivnye mototsikly; ustroistvo
katatsiia. Izhevsk, Udmurtskoe knizhnoe izd-vo,
211 p.

RD WEAVING
he theory of image recognition for the automatic
amming from a pattern in jacquard weaving.
.Rebarbar, E.I.Galynker. Izv.vys.ucheb.zav.;
tekst.prom. no.6.152-158 '63.

EN REGION—SEALS (ANIMALS)
seals in the Jan Mayan region. R.Sh.Khuzin,
otelov. Mat rybokhoz.issl Sev.bas. no.1 48-51

-ARMED FORCES
se journalists on the rearmament of the country.
letaev. Mezhdunar.zhizn' 11 no.9:135-138 S

-CALENDARS
ar of the cosmic era. V.Konstantinov. Az i Afr.
8 no. 7:58 Jl '64.

-COMMERCE
s foreign trade problems. A.Sharkov. Vnesh.
44 no. 6:11-15 '64.
s radio goods in world markets. L.Gens. Vnesh.
44 no. 7:36-39 '64.

-COMMERCE—AFRICA
and Africa, trade or.... K.Gelvandov. Az.i Afr.
8 no. 7:54-55 Jl '64

-COMMERCE—RUSSIA
interests of further expansion of Soviet-Japanese
omic relations. Meeting of the Delegation Of the
eme Soviet of the U.S.S.R. with the representative
panese business circles. Vnesh.torg. 44 no.7:3-
4.
is the way to draw peoples together. A.I.Mikoian's
ment at a meeting with Kansai region businessmen.
h.torg. 44 no.6:3-4 '64.

-COMMUNIST PARTY
inion on two questions. Ichizo Suzuki. Nov.vrem.
31:7-12 Jl '64

-ECONOMIC CONDITIONS
the attack continues P.Topekha. Az.i Afr.seg.
7:16-18 Jl '64.

-FOREIGN RELATIONS
rting mirror of the Japanese bourgeois press.
tyshev. Az i Afr.seg. 8 no.6.8-9 Je '64.

-FOREIGN RELATIONS—RUSSIA
bors must live in peace and friendship. I.Nikolaev,
U'rev. Kommunist 41 no.10:124-127 Jl '64.

-OLYMPIC GAMES
lympics and business. A Usmanov. Az.i Afr.seg.
6:55 Je '64.

JAPAN—PEASANT UPRISINGS
Japanese peasant uprisings in the 15th and 16th centuries wage under religious slogans. A A.Shvetsov. Uch. zap.Dal'nevost.gos un. no.6;223-250 '62.

JAPAN—PETROLEUM PRODUCTION
Petroleum production in Japan. S.A.Orudzhev, N.S. Timofeev, D.K.Mzareulov. Neft.khoz. 41 no.2; 64-70 F '63.

JAPAN—PRESS
Distorting mirror of the Japanese bourgeois press I Latyshev Az i Afr seg 8 no 6 8-9 Je '64

JAPAN—RADIO—EQUIPMENT AND SUPPLIES
Japan's radio goods in world markets. L.Gens. Vnesh. torg. 44 no 7;36-39 '64.

JAPAN—STRIKES AND LOCKOUTS
My opinion on two questions Ichizo Suzuki. Nov vrem 22 no 31·7-12 Jl '64

JAPAN—TRADE UNIONS
We are in agreement about the most important thing. Sov profsoiuzy 20 no.15 40-41 Ag '64

JAPAN SEA—CYCLONES
Frequency and duration of the various types of synoptic situations over the Sea of Japan V.G Snopkov. Trudy Inst okean. 72·106-113 '63

JAPAN SEA—VOYAGES AND TRAVELS
People on the "Voeikov." L.Lebedeva. Nov.mir 40 no.1;246-249 Ja '64.

JAPANESE ANGELICA TREE—TOXICOLOGY
Cases of poisoning with the tincture of Aralia mandshurica. G.A.Kukarin. Mat.k izuch zhen'.i drug.lek. rast.Dal'.Vost. no.5;261-263 '63.

JARVI, NEEMI
A conductor's debut. R.Evgen'ev. Sov.muz. 28 no.2· 97 F '64

JASSY, BATTLE OF, 1944
Battles of Jassy and Kishinev. M.Sharokhin. Voen. vest. 44 no.7:7-11 Jl '64.

JAUNDICE
Incretory changes in the pancreas in mechanical jaundice and the degree of their reversibility following the reestablishment of the discharge of bile. D.N.Buachidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz. SSR 11;139-142 '63.

Treatment of mechanical jaundice. G.D.Ioseliani, G.V. Kakhidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11;131-138 '63.

JAWS
Effect of curarelike drugs on the glossomaxillary reflex. V.K.Muratov. Farm.i toks. 26 no.5;597-602 S-O '63.

JAWS—RADIOGRAPHY
Diagnosis of giant-cell tumors (osteoblastoclastomas) of the jaw. F.A.Kherobian, L.S.Nagapetian. Vop.rent. i onk. 7.75-82 '63.

JAWS—TUMORS
Diagnosis of giant-cell tumors (osteoblastoclastomas) of the jaw. F.A.Kherobian, L.S.Nagapetian. Vop.rent.i onk. 7;75-82 '63.

JEJUNUM—INNERVATION
Comparative characteristics of the reception of the serous and mucous membranes of the jejunum in dogs. L.I.Archakova. Vestsi AN BSSR.Ser.biial.nav. no.4: 103-107 '62.

JERUSALEM—ORTHODOX EASTERN CHURCH
Message of greetings from His Holiness Patriarch Aleksii to the Russian Church Mission in Jerusalem. Zhur. Mosk.Patr. no.8 5-6 '64

News from the Russian Orthodox Mission in Jerusalem. Archimandrite IUvenalii. Zhur.Mosk.Patr. no.6;15-20 '64.

News from the Russian Orthodox Mission in Jerusalem. Father Superior Germogen. Zhur Mosk.Patr. no.7; 22-26 '64.

JET PLANES—FUEL
Improving the filtration of jet fuels in an aerodrome fuel warehouse. V.N.Zrelov, K.V.Rybakov. Nefteper.i neftekhim. no.5;20-22 '64.

Investigating the antiwear properties of jet fuels. A.P. Griaznov, I.V.Rozhkov. Khim.i.tekh.topl.i masel 9 no.4;57-61 Ap '64.

JET PUMPS
Jet pumps for transporting rocks during drifting. N.S. Bolotskikh. Ugol' Ukr. 7 no.9;38-39 S '63.

JETS
Profile of the mean line of a fan-shaped jet in a drifting flow. V.S.Ivanov. Izv.vys.ucheb.zav., av.tekh 6 no.4;103-111 '63.

JETS—FLUID DYNAMICS
Approximate solution of jet problems. O.V.IAkovlevskii. Izv.AN SSSR.Mekh i mashinostr. no.4;169-172 Jl-Ag '64.

Effect of a magnetic field on the structure of the water jet from a hydraulic giant. R.A.Bretosh. Dop AN URSR no.8;1073-1074 '64.

Fundamental equations of electrohydrodynamics for a laminar boundary layer and a laminar jet V.O. Kas'ianov Dop.AN URSR no.8;1026-1031 '64.

JOB SATISFACTION
The influence of the collective on the raising of interest in work. N.G Valentinova Vop.filos 18 no.6 90-98 '63

JOHN THE BAPTIST
Birth of John the Baptist, precursor of our Lord. D Kruglik Zhur.Mosk.Patr. no 8·69-72 '64

JOHNE'S DISEASE
Allergy and the reaction of complement fixation in the experimental paratuberculosis of goats. V E.Shchurevskii Veterinariia 41 no.4.20-21 Ap '64

Paratuberculosis of sheep in Ural'sk Province A P Shatrov Veterinariia 41 no 4:40-41 Ap '64.

Raising healthy calves from cows infected with paratuberculosis T.R Gainullin Veterinariia 41 no 4 39 Ap '64.

JOINTS—DISEASES
Syndrome of neurotic arthralgia and myalgia. Vldislav Sědivec. Zhur.nevr.i psikh. 63 no.9;1304-1307 '63.

Vinogradova, T.P. [Diagnosis of osteoarticular pathology by biopsy] Diagnostika kostno-sustavnoi patologii po biopsiiam. Moskva, Meditsina, 1964. 191 p.
(DNLM)

JOINTS—TUBERCULOSIS
Some physicochemical, biochemical and cytological changes in the synovial fluid of tuberculous synovitis patients. N.N.Blokhin and others. Probl.tub. 42 no.1;64-68 '64.

JOINTS—WOUNDS AND INJURIES
Studies on the mechanism of therapeutic effects of ultrasonic oscillations in experimental joint injuries. V.I.Rokitanskii. Pat.fiziol.i eksp.terap. 6 no.4:79-80 Jl-Ag '62.

JOINTS (ENGINEERING)
Bolt joints in elements of thermally hardened steel. L.I Gladshtein, I V.Levitanskii, V.A Gorozhnyi. Prom.stroi. 41 no 7;40-44 Jl '64.

Dorofeev, A.N. [Calculating the strength of spot-welded joints] Raschet prochnosti svarnykh tochechnykh soedinenii. Moskva, Izd-vo "Mashinostroenie," 1964. 138 p.

Tables for determining the number of high-strength bolts in joints of steel bridges. E.A.Gluzman. Transp. stroi 13 no.10.66 O '63.

JOINTS (ENGINEERING)—TESTING
Gololobov, B.A., K.G.Nikolaev. [Properties of welded joints in hull steels] Svoistva svarnykh soedinenii korpusnykh stalei. Leningrad, Sudostroenie, 1964. 239 p.

Kudriavtsev, P.I. [Residual welding stresses and the strength of welded joints] Ostatochnye svarochnye napriazheniia i prochnost' soedinenii. Moskva, Mashinostroenie, 1964. 93 p.

JOINTS (GEOLOGY)
(see also subdivision under Caucasus, Northern; Minusinsk Basin)

Comparing the fractures of rocks and the tectonics of platform regions V.K.Gromov. Trudy VNIGRI no.228:241-248 '64.

Genetic affinity of macro- and microfractures in limestone. M.E.Kaplan. Trudy VNIGRI no.228;276-284 '64.

Statistical-genetic method for studying fracturing. M.V. Rats. Biul.MOIP.Otd.geol. 38 no.6;54-64 N-D '63.

Studying certain moments in the mechanism of the formation of tectonic fracture. L.D.Knoring. Trudy VNIGRI no 228.224-240 '64.

JORDAN—LAND TENURE
Agrarian question in Jordan. H.As-Salty. Nov.vrem. 22 no.34:13-15 Ag '64.

JORDAN—PEASANTRY
The agrarian question in Jordan (conclusion). Kh. As-Salty. Nov.vrem. 22 no.35;15-17 Ag '64.

JOURNALISM
Disseminators of poison. V.Matveev. Nov.mir. 39 no.4;277-279 Ap '63.

JOURNALISM, MEDICAL
In the Board of the Ministry of Public Health of the R.S.F.S.R. E.I Zharov. Zdrav.Ros.Feder. 8 no.1 45-46 Ja '64.

Work of the journal "Zdravookhranenie Rossiiskoi Federatsii in 1964. Zdrav.Ros.Feder 8 no 1:47 Ja '64.

JOURNALISM, MILITARY
(see also subdivision under Bulgaria, Kryzhopol' District, Soviet Central Asia)

[illegible] F [illegible] A [illegible] [illegible] 4 [illegible] 11 [illegible]

[illegible] periodical "Sovetskii voin." Sov. voin 46 no 9 7 My '64

JOURNALISM, SOCIALIST see subdivision under Terek Valle,

JOURNALISTS—CORRESPONDENCE, REMINISCENCES, ETC.

L[illegible], E. F. [Along familiar trails; sketches, feuilletons, remarks of an elder Siberian journalist] Znakomymi tropami, ocherki, fel'etony, zametki starel'shego sibirskogo zhurnalista [Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1964] 230 p.

K[illegible], I. A. [My contemporaries, sketches, literary portraits, reminiscences] Moi sovremenniki, ocherki, literaturnye portrety, vospominaniia. Moskva, Sovetskii pisatel', 1964. 446 p.

JUDGES
(see also subdivision under Atbasar District, Moscow)

Diversification and greater scope in the organization of the work of councils of lay judges M Ponedelkov So. [illegible] 23 no 7 22-24 Ap '64

Lay judges A Kolobov Sots. zakon. 41 no 4,25-27 Ap '64

JUDICIAL DISTRICTS see subdivision under Kazakhstan

JUDICIAL POWER
(see also subdivision under United States)

From the history of the creation of the Supreme Court of the U.S.S.R. V Antonov-Saratovskii, V Lebedinskii Sots zakon. 41 no. 4 28-30 Ap '64

JUNCTION TRANSISTORS

An extremator on nonlinear capacitances of p-n-junctions A N Kasperovich Izv SO AN SSSR no 2 Ser tekh nauk no 1;26-33 '64.

[illegible] of reverse currents in germanium and silicon [illegible] V I. Gaman Izv vys ucheb [illegible] fiz. no. 4 136-142 '64.

[illegible] films to protect the surfaces of silicon [illegible] junctions produced by diffusion V. F. [illegible] B I Tolstykh, V V Vasil'eva Izv vys. [illegible] fiz no. 4:61-67 '64

JUSTICE, ADMINISTRATION OF
(see also subdivision under Kazakhstan)

For further development of the democratic foundations of the Soviet judiciary. A Gorkin Sots zakon 41 no 4:3-15 Ap '64

Further development of socialist democracy in the recently enacted Soviet civil procedure law P F. Eliseikin. Uch.zap.Dal'nevost.gos un no.6,86-118 '62

JUVENILE DELINQUENCY see subdivision under United States

KABALEVSKII, DMITRII BORISOVICH, 1904-

Stores V Blok Sov muz 28 no 1:143 Ja '64

KABARDINO-BALKAR A. S. S. R.—PEAS—HARVESTING

Harvesting peas with lateral rakes N L. Berbekov, V. V Ageev. Zemledelie 26 no 6:60-61 Je '64

KABARDINO-BALKAR A. S. S. R.—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the Bajocian-Bathonian sediments of the Kabardino-Balkar A. S S. R. and future trends in prospecting-drilling operations V. A Stanulis, IU. A. Sterlenko. Neftegaz geol i geofiz. no. 6 29-35 '64

KACHA VALLEY (KRASNOYARSK TERRITORY)—BITING MIDGES

Biting midges (Diptera, Heleidae) in the floodplain of the middle course of the Kacha River, Krasnoyarsk Territory. V M. Glukhova, A. N. Berzina. Ent oboz. 42 no. 4 825-832 '63

KAFAN DISTRICT—ORE DEPOSITS

Basic characteristics of the localization of mineralization in the Kafan ore zone. S.S. Vaniushin. Izv. AN Arm. SSR Nauki o zem. 17 no.2;49-62 '64.

KAKHOVKA RESERVOIR—HYDROBIOLOGY

Akademiia nauk URSR, Kiev. Instytut hidrobiologii. [Kakhovka Reservoir, a hydrobiological outline] Kakhovs'ke vodoimyshche, hidrobiologichnyi narys. Kyiv, Naukova dumka, 1964. 303 p.

KALA-AZAR

Review of R.S. Gershenovich's book "Leischmaniasis of the viscera in children." N A. Mirzoian. Med. paraz. i paraz. bol. 32 no. 4,493-495 Jl-Ag '63.

KALIAKRA, CAPE—RUSSO-TURKISH WAR, 1768-1774—NAVAL OPERATIONS

Military calendar. Voen. znan. 40 no. 7:46 Jl '64.

KALININ—TEXTILE WORKERS

Take over the work, Nina! V Andriianov. Sov. profsoiuzy 20 no 14 32-33 Jl '64

KALININ PROVINCE—AUDITING AND INSPECTION

Sprouts of the new A Gribanov. Fin. SSSR 38 no. 6;64-66 Je '64.

KALININ PROVINCE—MAPS

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [Atlas of Kalinin Province] Atlas Kalininskoi oblasti. Moskva, 1964. [8] p., 34 p. of maps. (CSt-H)

KALININGRAD PROVINCE—CONIFERAE

Coniferous exotic plants in Kaliningrad Province. V H. Antsipau, R. Fiodarava Vestsi AN BSSR Ser. biial nav no 4;34-39 '63.

KALMYK A. S. S. R.—STATE FARMS

People are the most important factor. Part. zhizn' no. 15;74-76 Ag '64.

KALUGA PROVINCE—AGRICULTURAL ADMINISTRATION

Forms of joint operations of industrial and rural province executive committees and their organs. S. E. Borisiuk. Sov. gos i pravo 34 no. 7;115-117 Jl '64.

KALUGA PROVINCE—INDUSTRIAL MANAGEMENT

Forms of joint operations of industrial and rural province executive committees and their organs. S. E. Borisiuk Sov. gos i pravo 34 no 7 115-117 Jl '64.

KALUGA PROVINCE—SOVIETS

Forms of joint operations of industrial and rural province executive committees and their organs. S. E. Borisiuk. Sov. gos i pravo 34 no. 7:115-117 Jl '64.

KAMA-KINEL DEPRESSION—PETROLEUM GEOLOGY

Development of the Kama-Kinel' Depression in Orenburg Province A L Vorozhbit, V N. Finansov Geol nefti i gaza 7 no 12 12-14 D '63

KAMA-KINEL DEPRESSION—PROSPECTING—GEOPHYSICAL METHODS

Combining geophysical methods when investigating the marginal section of the Kama-Kinel' Depression IU A Blakov, S A. Shikhov Geol nefti i gaza 7 no 12 35-36 D '63

KAMA VALLEY—GAS, NATURAL—GEOLOGY

Geological prospecting for oil and gas in the Kama Arch. I M IUrchuk Geol. nefti i gaza 7 no 12 15-18 D '63.

KAMA VALLEY—GEOLOGY, STRATIGRAPHIC

Boundary of Permian and Triassic sediments in the upper Kama trough. S. G. Dubeikovskii. Dokl. AN SSSR 158 no. 1 94-97 S-O '64.

KAMA VALLEY—PETROLEUM GEOLOGY

Geological prospecting for oil and gas in the Kama Arch. I M IUrchuk Geol nefti i gaza 7 no. 12 15-18 D '63

KAMA VALLEY—ROCKS, SEDIMENTARY

Means of the terrigenous feeding of the Upper Permian basins of the Volga-Kama region. IU. V. Sementovskii. Dokl. AN SSSR 156 no. 6:1361-1363 Je '64.

KAMCHATKA—BIRCH

Seasonal development of Betula Ermani forests in Kamchatka. I. N. Elagin. Izv. Sib. otd. AN SSSR no. 8:94-102 '62.

KAMCHATKA—BOTANY, MEDICAL

Efremova, N. A. [Medicinal plants of Kamchatka] Lekarstvennye rasteniia Kamchatki. Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 76 p.

KAMCHATKA—DISCOVERY AND EXPLORATION

I. M. Rubets' forgotten expedition to Kamchatka in the 1660's. B. P. Polevoi. Izv. AN SSSR Ser. geog. no [illegible]: 130-135 '64.

KAMCHATKA—FLEAS

Fauna of fleas (Aphaniptera) in Kamchatka. N. A. Violovich Ent. oboz. 42 no. 4;817-824 '63.

KAMCHTAKA—GEOLOGY, STRATIGRAPHIC

Experience in layer by layer correlation of the rhythmic sections of the Middle Miocene sediments in the Kronotskiy Isthmus (eastern Kamchatka). A. M. Sadreev, V. T. Khromov. Biul. MOIP, Otd. geol. 38 no. 6:106-113 N-D '63.

KAMCHATKA—WATER, UNDERGROUND

Hydrogeological map of the northeastern area of the U. S. S. R., Kamchatka, and the Kurile Islands made on a 1:2,500,000 scale and characteristics of the formation of underground waters on that territory. A A. Zelenkevich. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2;229-236 '62.

KAMCHATKA IN LITERATURE

Kamchatskoe literaturnoe ob"edinenie. [Kamchatka in the works of local prose and poetry writers] Kamchatka v proizvedeniiakh mestnykh prozaikov i poetov. Petropavlovsk-Kamchatskii, Knizhnaia red. "Kamchatskoi pravdy," 1963. 117 p.

KAMEN' HYDROELECTRIC POWER STATION

Michkov, V. A. [Kamen' Hydroelectric Power Station on the Ob' River and the irrigation of the Kulunda Steppe] Kamenskaia GES na Obi i oroshenie Kulundy. [illegible] birsk, Red.-izd. otdel Sibirskogo otd-niia AN [illegible], 1964. 58 p.

KANDALAKSHA BAY—PINK SALMON

Survival of young pink salmon during the first [illegible] of its life and methods for improving [illegible] V I Efimov. Mat rybokhoz issl Sev [illegible] '63

KARA KUM—GEOLOGY, STRATIGRAPHIC

Upper Oligocene sediments in the southeastern [illegible] Kum. V. B. Okushko, M. I. Rusovskii Izv. AN [illegible] SSR, Ser. fiz.-tekh., khim. i geol. nauk [illegible] '63.

KARA KUM CANAL REGION—STOCK AND STOCK BREEDING

Specialization of the branches of livestock [illegible] collective farms of the Karakum Canal [illegible] Belkin. Izv. AN Turk. SSR. Ser. obshch. [illegible] 51-60 '64.

KARAARNA OIL FIELD—PETROLEUM GEOLOGY

Karaarna, a new oil field. M. M. Matashev [illegible] geol. i geofiz. no. 7;33-37 '64.

KARADAKH RANGE—OAK

Diversity of forms and the anatomic [illegible] of the Georgian oak (Quercus iberica Stev.) [illegible] the mountainous zone of the Karadakh Range [illegible] Tutaiuk, Ch. S. Abdullaev. Dokl. AN Azerb. [illegible] no. 3;61-65 '63

KARADAG OIL FIELD—GASOLINE—ANALYSIS

Selective adsorption of n-alkanes from the [illegible] fractions of the Karadag condensate on [illegible] zeolite. V. S. Aliev and others. Azerb. khim. [illegible] no. 5;13-16 '63.

KARADŽIĆ, VUK STEFANOVIC, 1787-1864

Role of Vuk Karadžić in Serbian literature. [illegible] Vop. iaz. 12 no. 4:113-114 Jl-Ag '63.

KARAGANDA BASIN—COAL MINES AND MINING

Approximate method of determining the [illegible] in horizontal workings in Churubai-Nura [illegible] mines of the Karaganda coal basin. V. A. [illegible] Zap. LGI 46 no. 1.51-55 '63.

Load distribution on supports of horizontal [illegible] in mines of the Karadzhar-Shakhan [illegible] Smirniakov, G. G. Mirzoev. Zap LGI 46 [illegible] '63.

Selection of a place for mining fringe drifts [illegible] Karaganda Basin. Zh. M. Kanlybaeva, [illegible] Trudy Inst. gor. dela AN Kazakh. SSR 14;77 [illegible]

KARAGANDA BASIN—MINE BUILDINGS

Preliminary results of investigating the effect [illegible] structural measures for protecting buildings [illegible] effects of mining operations in the Karaganda [illegible] P. E. Kleshchev. [Trudy] VNIMI no. 47;55 [illegible]

KARAGANDA BASIN—MINING INDUSTRY—ACCOUNTING

Theoretical foundation and methods for [illegible] business accounting in individual mines. [illegible] Izv. AN Kazakh SSR, Ser. obshchestv. nauk [illegible] '64.

KARAGANDA PROVINCE—COAL MINES AND MINING

Change in the professional makeup of Soviet [illegible] R. A Kleshcheva. Vop filos 18 no 7, 50 [illegible]

With words and deeds. M. Ermakov. Sov. profsoiuzy [illegible] no. 15,31 Ag '64.

KARAGANDA PROVINCE—RAILROADS—EARTHWORK

Results of building a roadbed. A. I. Krupen'. [illegible] Transp. stroi. 13 no. 10:6-8 O '63.

KARAGANDA PROVINCE—SOCIAL SCIENCE RESEARCH

Change in the professional makeup of Soviet [illegible] R. A. Kleshcheva. Vop. filos. 18 no 7 50 [illegible]

KARAMAZAR MOUNTAINS—FAULTS (GEOLOGY)

Petrographic study of the Miskanskiy fault [illegible] IAkubov. Uzb. geol. zhur. 7 no. 6;58 [illegible] '63

KARAMAZAR MOUNTAINS—MINERALS

Relationship between magnetite and hematite with sulfides in the ores of the Pereval'noye deposit [illegible] Karamazar Mountains. M. M. Boldyreva. Vest. [illegible] 19 no. 12:36-46 '64.

KARAMAZAR MOUNTAINS—ORE DEPOSITS

Relationship between magnetite and hematite with sulfides in the ores of the Pereval'noye deposit [illegible] Karamazar Mountains. M. M. Boldyreva. Vest. [illegible] 19 no. 12:36-46 '64.

KARAMAZAR MOUNTAINS—PETROLOGY

Petrographic study of the Miskanskiy fault [illegible] IAkubov. Uzb. geol. zhur. 7 no. 6:56-60 '63

KARATAU—CHEMICAL INDUSTRIES

Initiating life. O. Spasskii. Mol. komm. no. 2:7-11 F '64.

KARATAU (KAZAKHSTAN)—CHEMICAL INDUSTRIES

The daybreak city. G. Somov. Mol. komm. no. 2:1-6 F '64.

KARELIA—FISH INTRODUCTION

Hydrological conditions of Karelia rivers falling into the White Sea, the problem of the acclimatization of the pink salmon G. I. Gritsevskaia Mat. rybokhoz. issl. Sev bas no 1 36-39 '63

KARELIA—GEOLOGY

Pre-Quaternary geology of Karelia and the Kola Peninsula. A. A. Polkanov, K. O. Krats, K. A. Shurkin. Trudy Lab. geol. dokem. no. 19:24-44 '64.

KARELIA—LUMBERMEN

Conditions of labor and mode of life of the lumbermen of the prerevolutionary Karelia in the early 20th century according to data from Karelian press. E. D. Rybak Uch zap Petrozav gos. un. 11 no. 1:264-277 '62

KARELIA—PINK SALMON

Hydrological conditions of Karelia rivers falling into the White Sea, the problem of the acclimatization of the pink salmon G. I. Gritsevskaia Mat. rybokhoz. issl. Sev bas no. 1 36-39 '63

KARELIA—ZOOPLANKTON

Dying and revival of zooplankton in small Karelian lakes treated with polychloropinene. L. I. Gordeeva-Pertseva. Izv. GosNIORKH 55:81-93 '63.

KARLOVY VARY, CZECHOSLOVAKIA—HEALTH RESORTS, WATERING PLACES, ETC.

Results of compound treatment of gastric dyspepsia at Karlovy Vary J. Shoe, J. Benda Vop. kur., fizioter. i lech. fiz. kul't no 6:526-535 '63.

KARLOVY VARY, CZECHOSLOVAKIA—MOTION-PICTURE FESTIVALS

The Karlovy Vary Film Festival. M Fiala. Nov vrem 22 no. 32.17-18 Ag '64

KARLSBAD, CZECHOSLOVAKIA see Karlovy Vary, Czechoslovakia

KARPINSK (SVERDLOVSK PROVINCE)—ALUMINUM INDUSTRY

Reaching the mind and heart of everyone. N. Loginov. Part. zhizn' no. 15:65-67 Ag '64.

KARPINSK REGION (CAUCASUS, NORTHERN)—GAS, NATURAL—GEOLOGY

Prospects for finding oil and gas in Lower Cretaceous sediments in the western area of the southern slope of the Karpinsk swell. V. N. Engibarov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:9-13 '63.

KARPINSK REGION (CAUCASUS, NORTHERN)—PETROLEUM GEOLOGY

Prospects for finding oil and gas in Lower Cretaceous sediments in the western area of the southern slope of the Karpinsk swell. V. N. Engibarov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 7:9-13 '63.

KARST

Dynamics of the karst formation in halite deposits of "dry" salt lakes. G. V. Korotkevich. Dokl. AN SSSR 157 no. 4:866-860 Ag '64.

Maksimovich, G. A. [Principles of the studies of karst] Osnovy karstovedeniia. Perm', Permskoe knizhnoe izd-vo.

Vol. 1. [Problems of karst morphology, speleology, and the hydrogeology of karst] Voprosy morfologii karsta, speleologii i gidrogeologii karsta. 1963. 444 p.

KARYOKINESIS

Effect of adrenaline on the mitotic cycle of the intestinal epithelium in mice. O. I. Epifanova, M. G. Chumak. TSitologiia 5 no. 4:456-458 Jl-Ag '63.

Effect of low temperatures upon the mitosis and chromosomes of plants. V. G. Grif. TSitologiia 5 no. 4:401-413 Jl-Ag '63.

Mitotic activity of the tissues of the breast following a trauma in noncastrated and castrated rats. E. N. Nikiforova. Biul. eksp. biol. i med. 55 [i.e. 56] no. 10:80-82 O '63.

Ovarian hormones as an indispensable factor for mitosis of the epithelial cells of the reproductive organs. S. S. Laguchev, R. A. Kargina-Terent'eva. Biul. eksp. biol. i med. 55 [i.e. 56] no. 10:85-88 O '63.

Study of the ability of a phytohemagglutinin from kidney bean seeds of the Saksa variety to stimulate mitosis of peripheral blood leucocytes in vitro. M. G. TSoneva-Maneva, R. S. Nezlin. TSitologiia 5 no. 4:458-460 Jl-Ag '63.

Study of the mitotic cycles of marrow cells A. I. Zosimovskaia. Arkh. anat., gist. i embr. 43 no. 11:99-111 N '62.

KATTAKURGAN (SAMARKAND PROVINCE)—BRICK INDUSTRY

Improving [illegible] for the [illegible] Botvina, [illegible] trud. NII po stroi. ASIA no. [illegible]

KATTAKURGAN (SAMARKAND PROVINCE)—PANELS (BUILDING)

Improving the quality of brick at the Kattakurgan plant for the production of vibrated brick panels L. M. Botvina, R. F. Zabelina, S. B. Salidzhanov Sbor nauch. trud NII po stroi. ASIA no 4 110-114 '63

KATUN' VALLEY—GEOLOGY

Structure and origin of the Quaternary sediments of the Chuya and Katun' Valleys in the Gornyy Altai. I A Efimtsev Biul Kom chetv. per. no 29:115-131 '64.

KAUNAS—FATHER-SEPARATED CHILDREN

The father in Canada and the lipstick. I. Troianovskii. Mol. komm. no. 2:66-69 F '64.

KAUNAS—GLIDING AND SOARING

Boundaries of Regina Garmiute A Vinokurov Kryl. rod. 15 no. 5.14-15 My '64.

KAUTSKII FAMILY

On the road of their father. B. Nikolaev. Voen znan 40 no. 7:7-8 Jl '64.

KAZAKH LANGUAGE

The discussion on some problems of the Kazakh language in the newspaper "Dala ualaiaty," 1888 to 1902. Kh. Bekkhozhin. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6.64-71 '64.

KAZAKH LANGUAGE—PHONETICS

Mullina, R. M. [The Kazakh language] Kazakhskii iazyk. Alma-Ata, Kafedra Kazakhskogo iazyka Kaz. gos. univ. im. S. M. Kirova.

Pt. 1. [Phonetics] Fonetika. 1958. 37 p.
[MICROFILM]

KAZAKH LEGENDS see Legends, Kazakh

KAZAKH POETRY—HISTORY AND CRITICISM

Il'ias Zhansugurov's poem "Kiui." A. Dairova. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6:10-19 '64.

KAZAKHS

Valikhanov, Ch. Ch. [Collected works] Sobranie sochinenii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961- 5 v.
(KU)

KAZAKHSTAN—ANIMAL WASTE

This is not a minor question Sh. Kurmanbaev. Zakup sel'khoz prod. no 1:42-44 Ja '64

KAZAKHSTAN—CARDIOVASCULAR SYSTEM—DISEASES

Mortality due to cardiovascular diseases and its influence on the life span and average longevity of the urban population of Kazakhstan. P. N. Chernobrov. Sov. zdrav. Kir. no. 6.41-44 N-D '63.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION

Increase the role of members of party committees V. Sevriukov. Part. zhizn' no. 12.8-12 Je '64.

KAZAKHSTAN—CONSTRUCTION INDUSTRY

New techniques at construction projects in the Ministry of Construction of the Kazakhstan S. S. R. N. I. Medvedkov. Biul strol tekh 20 no 12 41-42 D '63.

KAZAKHSTAN—ECONOMIC ZONING

Improving the economic zoning of the Kazakh S S R in connection with working out the five-year plan for 1966-1970 B. IA. Dvoskin Izv AN SSSR Ser geog no. 4:90-96 '64.

KAZAKHSTAN—FIELD CROPS—FEF MANURES

Effect of fertilizers on the yield of i the irrigated areas of Kazakhstan. Khim. v sel'. khoz. 2 no. 4:9-13 A

KAZAKHSTAN—GEOLOGY, STRUCT

Tectonic structure of the platform n part of the northern Kyzylkum syn Kiriukhin, IU. M. Kleiner, A. N. Sl Otd. geol. 38 no. 6.17-23 N-D '63

KAZAKHSTAN—GOAT BREEDING

Zhanderkin, A. I. [Soviet wool-type sherstnye kozy. Alma-Ata, Kazs 53 p.
(DNAL)

KAZAKHSTAN—GRAIN TRADE

We are training specialists of mass sunov. Zakup. sel'khoz prod. no.

KAZAKHSTAN—GRANITE

Methods for the study of granite pl a study in central Kazakhstan). Trudy Lab. geol. dokem. no. 19:2

KAZAKHSTAN—HIDES AND SKINS

This is not a minor question. Sh. K sel'khoz. prod. no. 1:42-44 Ja '

KAZAKHSTAN—ICHNEUMON FLIE

Parasitic Hymenoptera from the g (Hymenoptera, Braconidae) of K Asia. V. I. Tobias Ent. oboz.

KAZAKHSTAN—INDUSTRIES

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut ekonomiki. [Problems of the economics and distribution of the heavy industry branches of Kazakhstan] Voprosy ekonomiki i razmeshcheniia otraslei tiazheloi promyshlennosti Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 144 p.
(DBc)

KAZAKHSTAN—JUDICIAL DISTRICTS

Kazakh S. S. R. Laws, statutes, etc [The judicial organization act of the Kazakh S. S. R.] Zakon o sudoustroistve Kazakhskoi SSR Alma-Ata, Kazgosizdat, 1960. 15 p
[MICROFILM]

KAZAKHSTAN—JUSTICE, ADMINISTRATION OF

Kazakh S S R. Laws, statutes, etc [The judicial organization act of the Kazakh S. S R.] Zakon o sudoustroistve Kazakhskoi SSR Alma-Ata, Kazgosizdat, 1960. 15 p

KAZAKHSTAN—LEAF BEETLES

A new species of the leaf beetle of the genus Jaxartiolus Jacobs (Coleoptera, Chrysomelidae Cryptocephalinae) from Kazakhstan. I K Lopatin Ent oboz 42 no 4 855-857 '63

KAZAKHSTAN—LONGEVITY

Mortality due to cardiovascular diseases and its influence on the life span and average longevity of the urban population of Kazakhstan. P. N. Chernobrov Sov. zdrav. Kir. no. 6.41-44 N-D '63

KAZAKHSTAN—MINORITIES

Erezhepov, A. IU. [Cooperation of a hundred] Sodruzhestvo sta. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 76 p.
(CSt-H)

KAZAKHSTAN—NATIONALITIES

Abdushukurov, R Kh. [Historical experience in solving the nationality problem in the republics of Central Asia and Kazakhstan] Istoricheskii opyt razresheniia natsional'nogo voprosa v respublikakh Srednei Azii i Kazakhstane. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 105 p. (Materialy k Vsesoiuznoi nauchnoi sessii: "Zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma")
[MICROFILM]

KAZAKHSTAN—ORE DEPOSITS

Geology and the history of the formation of the Aksor ore zone (central Kazakhstan). I. E Mikel'son Trudy VSEGEI 103:103-125 '64

Sedimentary and volcanic sedimentary formations, intrusive complexes, and metallogenetic zones in the southwestern part of the Zaysan geosyncline T. A Lutkovskaia, G I. Sokratov, V S. IAkubovich Trudy VSEGEI 103 59-83 '64

KAZAKHSTAN—PALEONTOLOGY, STRATIGRAPHIC

Problems on the Silurian of Kazakhstan. O S. Vialov. Biul. MOIP. Otd. geol 38 no 6:100-105 N-D '63.

KAZAKHSTAN—PETROLEUM GEOLOGY

Characteristics of the oil-pool spacing in the Mesozoic sediments of the Kenkiyak-Zharkamis region. Neftegaz. geol. i geofiz. no 7:12-17 '64.

KAZAKHSTAN—PLANTS, EFFECT OF ON

Heat resistance of different s

KAZAKHSTAN—WHEAT—VARIETIES

[illegible] chemical [illegible] gl[illegible] of the grain of [illegible] wheat [illegible] Kazakhstan. T. B Darkanbaev [illegible] Trudy [illegible] AN Kazakh SSR 15:3-37 [illegible]

[illegible] of different spring wheat varieties in [illegible] Kazakh [illegible] O. M Glu[illegible] Trudy Inst [illegible] 1:64-60 [illegible]

KAZAN—AMATEUR THEATRICALS

[illegible] V Sec In. Teatr 24 no 12 123-124 D '63

KAZAN—CHEMISTRY—STUDY AND TEACHING

V[illegible]ilzhenskii, G. S. [Pages from the history of the Kazan Chemical School] Stranitsy iz istorii Kazanskoi khimicheskoi shkoly. Kazan', Kazanskii khimiko-tekhnologicheskii in-t, 1960. 63 p.
[MICROFILM]

KAZIM, MUHAMMAD, b 1721

I[illegible] on Turkmen and Turkmenistan of the first [illegible] 18th century in the works of Muhammad Kazim. M A[illegible]mamepesov, S Khatubi. Izv. AN Turk. SSR, Ser. [illegible] nauk no 1 24-33 '64.

KAZRETI REGION (GEORGIA)—ORE DEPOSITS

For[illegible]ation of the [illegible]ta'neuli ore zone. IU. I. Nazarov. Izv. Geol. [illegible] Gruz. 1 no 1 93-112 '59

KEDAINIAI DISTRICT—*FARM MANAGEMENT*

Ceplaitis, A. [Work of the production board of collective and state farms in Kedainiai District] Is Kedainiu gamybines kolukiu ir tarybiniu ukiu valdybos darbo patyrimo. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 42 p. [In Lithuanian]
(DNAL)

KEDROV-ZIKHMAN, OSKAR KARLOVICH, 1885-1964

In memory of O K Kedrov-Zikhman. D.L.Askinazi and others Pochvovedenie no.7:126-127 Jl '64.

KEMEROVO PROVINCE—EDUCATION

Experimental schools as good aids to teachers. V.Usanov. Nar obr no 8 30-32 Ag '64

KEMEROVO PROVINCE—HANDICAPPED—EMPLOYMENT

There is no end of work ahead F Milov Sots. obesp 24 no 12:10-13 D '63

KEMEROVO PROVINCE—INDUSTRIAL SAFETY

There is no end of work ahead E. Milov. *Sots. obesp* 24 no 12 10-13 D '63

KEMEROVO PROVINCE—INSURANCE, SOCIAL

They serve as a model. IA Khainovskii, Sots obesp. 24 no 12:15-17 D '63

KENGIR RESERVOIR—EVAPORATION

Transpiration of hydrophytes and their role in the general loss of water through evaporation from Kengir Reservoir. E.V Novikova. Trudy Inst bot AN Kazakh SSR 16:118-135 '63.

KENGIR RESERVOIR—PLANTS—TRANSPIRATION

Transpiration of hydrophytes and their role in the general loss of water through evaporation from Kengir Reservoir. E V. Novikova. Trudy Inst. bot. AN Kazakh SSR *16:118-135* '63

KENYA—POLITICS AND GOVERNMENT

The National Union of the Africans of Kenya. A. Pegushev. Mir. ekon. i mezhdunar. otn. *no. 8:138-139 '64.*

KESSENIKH, VLADIMIR NIKOLAEVICH, 1904-

V N. Kessenikh; on his sixtieth birthday and *the fortieth* anniversary of his theoretical and educational *work.* Izv. vys. ucheb. zav., radiotekh 7 no. 2:258-259 *Mr-Ap '64.*

KETONES

Catalytic ketonization of acetic acid over a mixed $CaCO_3$-$LiCO_3$ catalyst. A. M. Rubinshtein, V. I. IAkerson, L. I. *Lafer. Kin. i kat.* 5 no. 2:319-323 Mr-Ap '64.

Interaction of *asymm-diethylhydrazine* with some aliphatic ketones. N. A. Domnin, L. P. Ivanova, V. A Cherkasova. *Zhur. ob. khim.* 34 no. 7:2116-2118 Jl '64.

Interaction of β-diketones of the aliphatic series with *asymmetrical N,N*-dialkyl hydrazines. N. A. Domnin, S. I. IAkimovich. Zhur. ob. *khim. 34 no. 7:2467 Jl* '64.

Interaction of dialkyl phosphorous acids with aldehydes and ketones. Part 25: *Esters of α-hydroxy-β-(2,2,3-trimethylcyclopenten-3-yl)ethylphosphinic and α-hydroxynitrobenzylphosphinic acids.* V. S. Abramov, L. I. *Kiriukhina*, N. Kudriavtseva. Zhur. ob. khim. 34 no. 7:2235-2238 Jl '64.

Obtaining higher ketones by the dehydrogenation of *secondary alcohols over copper-chromium and nickel*-chromium catalysts. A. N. Bashkirov, V. V. Kamzolkin, M. M. Potarin. Neftekhimiia 4 no. 2:298-*300 Mr-Ap* '64.

Syntheses based on diene condensation. Part 2: *Condensation of vinylaryl* ketones with some conjugated diene hydrocarbons. *M. I. Shevchuk, N. I.* Ganushchak, A. V. Dombrovskii. Zhur. ob. khim 34 no. 7:2247-2250 Jl '64.

Technical methods of synthesizing *α,* β-unsaturated aldehydes and ketones G. S. Mironov, M I Farberov Usp. khim 33 *no. 6:*649-663 Je '64

KETONES—SPECTRA

Spectra and halochromism of α,β-unsaturated ketones containing furan and thiophene rings. S. V. *TSukerman,* I K. Gintse, V. F Lavrushin. Zhur. ob. khim. 34 *no. 7:2317-2321 Jl '64.*

KHABAROVSK TERRITORY—WATER, UNDERGROUND

Underground waters of the Khabarovsk Territory. I. B. Raikhlin Mat Kom po izuch podzem vod Sib i Dal'. Vost no 2:195-204 '62

KHACHATURIAN, ARAM IL'ICH, 1904-

About our contemporary S Aksiuk Sov. muz *28* no 1 135-137 Ja '64

KHAKASS AUTONOMOUS PROVINCE—*NATURAL HISTORY*

Kokhanovskii, N. A. [Nature calendar of Khakassia] *Kalendar' prirody Khakasii.* Abakan, Khakasskoe *knizhnoe izd-vo, 1959.* 82 p.
[MICROFILM]

KHALIFMAN, I.

In a world of the strange. K. Orlovskii. Oktiabr' 40 no. 4:219-220 Ap '64.

KHARKOV—DIESEL ENGINES

The "Sickle and Hammer" Plant in Kharkov *is* an outstanding manufacturer of *diesel* engines A L. Liubashevskaia. Inform. biul VDNKH no. 8:5-7 Ag '63

KHARKOV—FACTORIES—DESIGN AND CONSTRUCTION

Design task for the reconstruction of a motor building factory E S IAmpol'skii. Biul stroi tekh 20 no. 12: 43-44 D '63

KHARKOV—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovations under the shelf V. Fedoseev. *Sov profsoiuzy* 20 no. 16 16-17 Ag '64

KHARKOV—RESTAURANTS, *LUNCHROOMS, ETC.*—ACCOUNTING

The journal-voucher accounting system in a public dining trust M Gandlevskii Bukhg uchet 20 no. 12 54-56 D '63

KHARKOV—TURBOGENERATORS

Power generating giants *of* the world; a photo report. Sov profsoiuzy 20 no 15 18-19 Ag '64

KHARKOV PROVINCE—RURAL LIBRARIES

In contact with production administration. M Popov. Bibliotekar' no 7:18-19 Jl '64

KHELLIN

Comparative photosensitizing effects *of khellin, meladinin* and the extract of Psoralea drupacea. N. M. Koblov. *Farm. i toks.* 25 no. 6:733-735 N-D '62.

KHERSON PROVINCE—COLLECTIVE FARMS—FINANCE

A concrete aid *to collective farms.* V. Zadorozhnyi. Fin. SSSR 38 no 6:61-62 Je '64.

KHIBINY MOUNTAINS—HYDROCARBONS

Hydrocarbon gases and bitumens in the rock-forming minerals of the Khibiny Mountains, S. V. Ikorskii. Dokl. AN SSSR 157 no. 4:876-878 Ag '64.

KHIBINY MOUNTAINS—MINERALS

Hydrocarbon gases and bitumens *in the rock-forming* minerals of the Khibiny Mountains, *S. V. Ikorskii.* Dokl. AN SSSR 157 no. 4:876-878 Ag '64.

KHIBINY MOUNTAINS—PLANT COMMUNITIES

"Structure of plant associations" by N. A. Miniaev. Reviewed by V. V. Petrovskii. Bot. zhur. *49 no. 7:1070-1072* Jl '64.

KHIBINY MOUNTAINS—PLANT *INTRODUCTION*

Biological and morphological changes in the Central Asiatic *ephemerous plants* introduced into the Khibiny Mountains. N. I. *Korchagina. Bot. zhur.* 49 no. 7: 1067-1069 Jl '64.

KHOREZM PROVINCE—RICE

Outstanding rice *grower. P. I.* Savchuk. Zemledelie 26 no. 6:63-64 Je '64.

KHROMOV, SERGEI *PETROVICH, 1904-*

Sergei Petrovich Khromov; *on his 60th* birthday. Meteor. i gidrol. no. 8:55-57 Ag '64.

KHRUSHCHEV, NIKITA *SERGEEVICH, 1894-*

Along Lenin's path. Nov. mir 40 no 4 5-12 Ap '64.

Everything to the working *people.* K. *Rokossovskii,* Oktiabr' 40 *no. 4:24-26* Ap '64.

Military deed and at work. *Vano* Muradeli. Oktiabr' 40 no. 4:27-29 Ap '64.

Nikita Sergeevich Khrushchev and Fidel Castro Ruz on the "Belaia Dacha" State Farm. Z. I Zhurbitskii Agrokhimiia no 1:43-144 Ja '64.

Reliable hands. I. Bulanov. Oktiabr' 40 no. 4:21-24 Ap '64.

Toward abundance on the basis of intensification. [illegible]chenko Ekon. sel'khoz 35 no 6:12-15 Je '6[illegible]

KIBAL'CHICH, NIKOLAI IVANOVICH, 1854-1881

The place of N. I. Kibal'chich's imprisonment. A. I [illegible]banova Vop ist 39 no 7:211-213 Jl '64.

KIDNEY FUNCTION TESTS

Changes in the kidney function in hypothermia. G. A. *Gzirishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN* Gruz. SSR 11:47-52 '63.

KIDNEYS

Changes in the renin content of the kidneys *in the dynam*ics of development of reflexogenic hypertension. M. F. Syrotina. Fiziol. zhur. 10 no. 1:69-73 '64.

Histochemical characteristics of mucopolysaccharides [illegible] the interstitial tissue of the medullary substance of the kidneys. L. N Ivanova, V V. Vinogradov. Arkh. [illegible] gist. i embr. 43 no. 11:10-23 N '62

KIDNEYS—DISEASES

Changes in the kidney glomerulus *in eclampsia and* nephropathies during pregnancy. B. N. TSibel'. Akush. i gin. 40 no. 1:52-54 Ja-F '64.

Intraparenchymatous solitary cyst of the kidney. A. V. Uchugina. Urologiia no. 1:51-52 '64.

Kidney lesion in capillary toxicosis in children. [illegible] Anan'eva, M. S. Rubinova. Trudy Tadzh. med. inst *50:104-106 '61.*

Morphologic changes in the kidneys in homoplasty [illegible] renal artery. S. A. Gasparian. Arkh. pat. 26 [illegible] 22 '64.

State of the blood coagulation system in pregnant [illegible] *with nephropathies.* L. A. Parshina Akush i gin 39 no. 5:56-60 S-O '63.

State of the cardiovascular system in children with a[illegible] glomerulonephritis. M A. Golovani. Soob. AN [illegible] SSR 33 no. 3:715-721 Mr '64.

KIDNEYS—*INFLAMMATION*

Malacoplakia of the urinary bladder. S. A. [illegible] Urologiia no. 1:55-56 '64.

KIDNEYS—SURGERY

Fate of the patient with nephrolithiasis of a solitary kidney. A. M. Voino-IAsenetskii. Urologiia no. 1:[illegible] 15 '64.

Relationship between the distribution of water in [illegible] cellular tissue and vascular spaces *in dogs* [illegible] after unilateral nephrectomy. S. S. Polushkina. [illegible] fiziol. i eksp. terap. 6 *no. 4:60-72 Jl-Ag '62.*

KIDNEYS—TRANSPLANTATION

Function of a transplanted kidney. A. Z. Gzirishvili. *Trudy* Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11: 177-184 '63.

KIDNEYS—TUBERCULOSIS

Transfemoral aortography in renal tuberculosis. V. M Sytenko. Probl. tub. 42 no. 1:54-57 '64.

KIDNEYS—WOUNDS AND INJURIES

Traumatic lesions of the kidneys according to [illegible] of the faculty's surgical clinic. D. A. Dunaitsev. [illegible] *nauch.* rab. stud. Volg. gos. med. inst no 1:7[illegible]

KIEV—ANATOMY, HUMAN—RESEARCH

Scientific students' group of the Department *of* [illegible] Anatomy of the A. A. *Bogomolets Medical Institute* [illegible] Kiev. M. S. Spirov. Arkh. anat. gist. i embr. 45 [illegible] 124-125 N '63.

KIEV—ASTRONOMICAL OBSERVATORIES

Present state and future development of scientific research at the *Main Astronomical Observatory* of the Academy of Sciences of the Ukrainian S. S. R. [illegible] AN URSR no. 8:1119-1120 '64.

KIEV—CONFECTIONERY—MANAGEMENT

Operative and production planning in the "K. Marks" Confectionery Factory. *S. D. Lozenko.* Khleb. i kond. prom. 8 no. 7:20 Jl '64.

KIEV—HISTORICAL MUSEUMS

Educational work of a historical *museum.* S. V. Vel'ska. Rad. shk. 42 no. 4:17-18 Ap '64.

KIEV—MUSEUMS AND SCHOOLS

Educational work of a historical museum. S. V. Vel'ska *Rad. shk.* 42 no. 4:17-18 Ap '64.

KIEV—PHARMACY—EQUIPMENT AND SUPPLIES

We are suggesting. P. I. Fedorenko. Farmatsev [illegible] 16 no. 1:74 '61.

KIEV PROVINCE—PHARMACY—EQUIPMENT AND SUPPLIES

Quality *of water* used in pharmacies of the Ukrainian S. S. R. *for the preparation of injections.* M. D [illegible] Farmatsev. zhur. 18 no. 6:12-16 '63.

KIKVIDZE, VASILII ISIDOROVICH, 1894-1919

Darmanian, P. E. [Division Commander Kikvidze] Nachdiv Kikvidze. [2., ispr. izd.] [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 172 p.

KILNS

Voznesenskii, A. A. [Heating equipment in the production of building materials and wares] Teplovye ustanovki v proizvodstve stroitel'nykh materialov i izdelii. Izd. 2., perer. Moskva, Stroiizdat, 1964. 438 p.

KILNS, ROTARY

Advantage of kilning lime in rotary kilns. I. L. Chernyi, V. I. Berezovskii. Stroi. mat. 9 no. 6:9 Je '63.

Producing expanded perlite in rotary kilns. O. A. Chernova, E. S. Sheinman. Sbor. trud. ROSNIIMS no. 25 73-93 '62.

Service life of the linings of rotary kilns for expanded perlite. A. I. Polinkovskaia, N. S. Manuilova, N. I. Sergeev. Sbor. trud. ROSNIIMS no. 25:106-110 '62.

Technical questions and answers. TSement 30 no. 1: 3 of cover Ja-F '64.

KINDERGARTEN

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut doshkol'nogo vospitaniia. [Work training in kindergarten] Trudovoe vospitanie v detskom sadu. Pod red. V. G. Nechaevoi. Moskva, Prosveshchenie, 1964. 186 p.

Chistiakova, T. A., E. M. Chernushenko, and G. I. Solina. [Study of foreign languages in kindergartens; a teachers' manual] Obuchenie inostrannym iazykam v detskikh sadakh; posobie dlia uchitelei. Pod red. V. S. TSetlin, M. L. Vaisburd, A. A. Miroliubova. Moskva, Prosveshchenie, 1964. 204 p. tables (insert)

KINEL'-CHERKASSY DISTRICT—PETROLEUM GEOLOGY

Structure of the eastern sector of the Zhiguli swell in connection with oil prospects V. N. Andreev and others Geol nefti i gaza 7 no 12 6-11 D '63

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KINETIC THEORY OF LIQUIDS see Liquids, Kinetic theory of

KINGISEPP REGION (LENINGRAD PROVINCE)—BEEF CATTLE—FEEDING AND FEEDS

Beef and meat. P. Mikhailov. Zakup. sel'khoz. prod. no 1,40-41 Ja '64.

KINGISEPP REGION (LENINGRAD PROVINCE)—MILK TRADE

Beef and meat. P. Mikhailov. Zakup. sel'khoz. prod. no. 1:40-41 Ja '64.

KIRGHIZ

Valikhanov, Ch. Ch. [Collected works] Sobranie sochinenii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961- 5 v.
(KU)

KIRGHIZISTAN—AGRICULTURE, COOPERATIVE

Bekturganova, Karima. [Origin and development of collective-farm and cooperative property in Kirghizistan, 1917-1932] Vozniknovenie i razvitie kolkhozno-kooperativnoi sobstvennosti v Kirgizii (1917-1932 gg.) Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 161 p.

KIRGHIZISTAN—GEOGRAPHY

Frunze. Gosudarstvennaia respublikanskaia biblioteka Kirgizskoi SSR. Otdel natsional'noi bibliografii. [Bibliography of Kirghizistan in four volumes] Bibliografiia Kirgizii v chetyrekh tomakh. [By] D. S. Losev. Frunze.
Vol. 3, No. 3. [Natural conditions and resources of Kirghizistan] Prirodnye usloviia i prirodnye resursy Kirgizii (1940-1955); ukazatel' literatury. 1963. 274 p.

Geographical research and geographical science in Kirghizistan. I. Otorbaev Izv Vses. geog. ob-va 96 no. 3 247-250 My-Je '64.

KIRGHIZISTAN—LONGEVITY

Average longevity of the population of the Kirghiz S. S. R. L. S. Bumin, N. Musaev, S. Ryspaev. Sov. zdrav. Kir. no. 6:44-46 N-D '63.

KIRGHIZISTAN—MUSIC

Holidays and workdays. M. Abdraev. Sov. muz. 28 no. 2:10 F '64.

KIRGHIZISTAN—PASTURES AND MEADOWS

Vykhodtsev, I. V., ed. [Collection of works on geobotany] Sbornik rabot po geobotanike. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 141 p.
(DNAL)

KIRGHIZISTAN—PRACTICE OF LAW

Kirghiz S. S. R. Laws, statutes, etc. [Decree on advocacy in the Kirghiz S. S. R. Approved by the session of the Supreme Soviet of the Kirghiz S. S. R. of May 11, 1961] Polozhenie ob advokature Kirgizskoi SSR. Utverzhdeno sessiei Verkhovnogo Soveta Kirgizskoi SSR ot 11 maia 1961 goda. Frunze [Akad. nauk Kirgiz. SSR] 1961. 23 p.
[MICROFILM]

KIRGHIZISTAN—SPIROCHETOSIS

Experience in the eradication of a focus of tick-borne spirochetosis I. A. Tarvit-Gontar', V. S. Maksimova Med. paraz. i paraz. bol. 32 no. 4,447-451 Jl-Ag '63.

KIRGHIZISTAN—SPRINKLER IRRIGATION

Nazarov, M. I. [Sprinkler irrigation of farm crops and the outlook for its use in Kirghizistan] Dozhdevanie sel'skokhoziaistvennykh kul'tur i perspektivy ego primeneniia v Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 98 p.
(DNAL)

KIRGHIZISTAN—SUGAR INDUSTRY

Nauchno-tekhnicheskaia konferentsiia rabotnikov sakharnoi promyshlennosti Kirgizii, 2d, Frunze, 1956. [Materials of the Second Scientific and Technical Conference of the Workers of the Sugar Industry of Kirghizistan] Materialy. Frunze, In-t nauchno-tekhn. informatsii, 1958. 27 p.
[MICROFILM]

KIRGHIZISTAN—TICKS AS CARRIERS OF DISEASES

Experience in the eradication of a focus of tick-borne spirochetosis. I. A. Tarvit-Gontar', V. S. Maksimova. Med. paraz. i paraz. bol 32 no 4 447-451 Jl-Ag '63.

KIRGHIZISTAN—TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION

Zagulov, Zh. [Ways to reduce the cost of freight transportation in the automotive transportation units of the Kirghiz S. S. R.] Puti snizheniia sebestoimosti gruzovykh perevozok v avtokhoziaistvakh Kirgizskoi SSR. Pod obshchei red. L. A. Bronshteina. Frunze, Kirgizskoe gos. izd-vo, 1960. 73 p.
[MICROFILM]

KIRGHIZISTAN—WORMWOOD

Nikitina, E. V., and A. U. Ubukeeva. [Wormwood of Kirghizia and its economic significance] Polyni Kirgizii i ikh khoziaistvennoe znachenie. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 53 p.
(DNAL)

KIROV, SERGEI MIRONOVICH, 1886-1934

New documents on the lives and activities of S. M. Kirov and G. K. Ordzhonikidze in the Terek Valley E. P Krichina, L. D. Biriukova Izv Sev -Oset nauch -issl. inst. 23 no. 2:153-170 '62.

S. M. Kirov's fraternal friendship with G. K. Ordzhonikidze. L. D. Biriukova. Izv. Sev -Oset nauch. -issl. inst 23 no. 2:148-152 '62.

S. M. Kirov's revolutionary activity in the Terek Valley. S. D. Kulov. Izv. Sev - Oset. nauch. -issl inst. 23 no 2: 5-68 '62

S. M. Kirov's revolutionary journalism during the period preceding the October Revolution from 1909 to 1917. M. S. Totoev. Izv. Sev - Oset. nauch -issl inst. 23 no. 2:121-147 '62.

KIROV PROVINCE—AGRICULTURAL ADMINISTRATION

Central figure of the party committee apparatus. I. Pronin. Part. zhizn' no. 12:31-35 Je '64.

KIROV PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Overcoming the survivals of the past in people's minds. A. Kostylev. Part. zhizn' no. 15:68-73 Ag '64.

KIROVOGRAD—COPPER—METALLURGY

Fighters for technical progress. A. Kropotukhin. NTO 6 no. 6,29-30 Je '64.

KIROVSK REGION—PLANT INTRODUCTION

Poliarno-al'piiskii botanicheskii sad. [Plant introduction in Arctic regions] Pereselenie rastenii na Poliarnyi Sever. Moskva, Izd-vo "Nauka,"
Pt. 1. Avrorin, N. A., and others. [Results of the introduction of herbaceous plants in 1932-1956] Rezul'taty introduktsii travianistykh rastenii v 1932-1956 gg. 1964. 498 p.
(DNAL)

KISHINEV—AMATEUR THEATRICALS

Before new barriers. E. Vengre. Teatr 24 no. 12:120-121 D '63

KISHINEV—ECONOMIC GEOGRAPHY

Odud, A. L. [Kishinev; an economic geography study] Kishinev, ekonomiko-geograficheskii ocherk. Kishinev, Kartia Moldoveniaske, 1964. 155 p.

KISHINEV, BATTLE OF, 1944

Battles of Jassy and Kishinev. M. Sharokhin. Voen. vest. 44 no. 7:7-11 Jl '64.

KISLOVODSK—HEALTH RESORTS, WATERING PLACES, ETC.

Sanatorium and health resort treatment of stenocardia. V. V. Tarashkevich. Vop. kur., fizioter. i lech. fiz. kul't no. 6:559-561 '63.

KIZEL (PERM PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Disseminating experiences. IU. Koshcheev. Part. zhizn' no. 15:57-58 Ag '64.

KIZILKUM see Kyzyl Kum

KLAIPEDA—DIVING, SUBMARINE

A good name. P. Starostin. Voen. znan. 40 no. 7:41-42 Jl '64.

KLEMPERER, OTTO, 1885-

From recollections Otto Klemperer Sov. muz 28 no 1 77-85 Ja '64

KNITTING MACHINES see subdivision under Germany, West

KNOTWEED

Biology of flowering and the structure of flowers in the knotweed Polygonum coriarium Grig V. I. Kuz'min Bot zhur 49 no 5 725-731 My '64

Determining the viability of the pollen of Polygonum Weyrichii F. Schmidt and P. divaricatum L. by the germination method. V. M Kudrautsava. Vestsi AN BSSR. Ser. biial. nav no 4:40-43 '63

KNOWLEDGE, THEORY OF

Akademiia nauk SSSR. Institut filosofii. [Problems of the logic of scientific knowledge] Problemy logiki nauchnogo poznaniia. Moskva, Nauka, 1964. 406 p.

Dialectical categories as stages of knowledge A. P. Sheptulin Vop filos 18 no 6,27-36 '64

What is abstract and what is concrete G. A Davidova Vop filos 18 no 6 145-156 '64

KOBYSTAN—GEOLOGY, STRUCTURAL

Nature of the relationships between the structural patterns of the Miocene-Oligocene and Pliocene complexes of southeastern Kobystan E. V. Pototskii Azerb. neft. khoz 43 no. 2:1-4 F '64

KOCHKOVKA (KIRGHIZISTAN)—AMATEUR THEATRICALS

A feeling for the stage. K. Krivitskii Teatr 24 no 8: 114-115 Ag '63.

KOCHUBEYEVSKOYE DISTRICT—AGRICULTURAL ADMINISTRATION

Word and deed. A. IAkovlev. Part. zhizn' no. 12:69-71 Je '64.

KOKHANOVKA-SVIDNITSA OIL FIELD—PETROLEUM GEOLOGY

Features of the geological structure and oil and gas potential of the Kokhanovka-Svidnitsa oil field B I IArosh and others. Neftegaz geol. i geofiz. no 6 3-8 '64.

KOKIN, LEV MIKHAILOVICH

Happiness, what is it like? A Chernov. Sov. profsoiuzy 20 no 14 46 Jl '64

KOLA PENINSULA—CHARNOKITES

Paracharnokites in the central part of the Kola Peninsula. L. P. Bondarenko. Trudy Lab. geol. dokem. no. 19:286-306 '64.

KOLA PENINSULA—FOLDS, GEOLOGY

Geology of Karelian foldings in the Kola Peninsula. L. IA. Kharitonov. Trudy Lab. geol. dokem. no. 19,45-57 '64.

KOLA PENINSULA—GEOLOGY

Pre-Quaternary geology of Karelia and the Kola Peninsula. A. A. Polkanov, K. O. Krats, K. A. Shurkin. Trudy Lab. geol. dokem. no. 19:24-44 '64.

KOLA PENINSULA—GEOLOGY, STRATIGRAPHIC

Quaternary stratigraphy in the northern part of the Kola Peninsula. A. A. Nikonov, T. M. Vostrukhina. Dokl AN SSSR 158 no 1:104-107 S-O '64.

KOLA PENINSULA—SALMON (Continued)

[illegible] changes [illegible] salmon [illegible] P [illegible] '63

KOLA PENINSULA—SULFIDES

[illegible] temperature and sulfide mineralization of the [illegible] interfluve (northeastern part of the Kola [illegible]). A. L. Bogachev and others. Tr. [illegible] geol. [illegible] no. 19 306-311 '64.

KOLERIA see subdivision under Indigirka Valley

KOLKHOZES see Collective farms

KOLOMNA—DIESEL LOCOMOTIVES

Hundred years in the service of technical development V. I. Lazarev, P. S. Morgulis. Vest mashinostr 43 no 12 73-80 D '63

On the road of [illegible]. P. Morgulis, E. Tsukanov. [illegible] no 12 [illegible] D '63.

KOMANDORSKIYE ISLANDS—ALEUTS

With the Aleuts on Komandorskiye Islands. E. P. Orlova Izv Sib otd. AN SSSR no. 8 3-10 '62.

KOMI A. S. S. R.—GRAZING

[illegible] of plants in the grazing lands of the extreme north of the Komi A. S. S. R. I. S. [illegible] Bot zhur 49 no 5 731-735 My '64

KOMI A. S. S. R.—PETROLEUM PRODUCTION, THERMAL

Increasing the efficiency of thermochemical treatment. F. L. Polunin. Nefteprom. delo no. 4:15-17 '63.

KOMI A. S. S. R.—POLITICS AND GOVERNMENT

Komi A. S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Soviet of the Komi A. S. S. R., third session, 1960. Verbatim report] Zasedaniia Verkhovnogo Soveta Komi ASSR, 5. sozyva, 3. sessiia 1960 goda. Stenograficheskii otchet. Syktyvkar, Komi knizhnoe izd-vo, 1960. 1 v.
(MH-L)

KOMODO ISLAND—PLANT LICE

A new species of plant lice of the genus Aphis L. from Komodo (Indonesia) M. N. Narzikulov Zool zhur 43 no 4 609 612 '64

KOMSOMOL'SK-ON-AMUR—TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

Simplify accounting in automotive transportation A I [illegible] Bukhg uchet 20 no 12 50-52 D '63

KONDOPOGA (KARELIA)—HYDROELECTRIC POWER STATIONS

Construction of the first hydroelectric power plant on the Suna River from the history of the electrification of Karelia B A IUrgens. Uch zap Petrozav gos un 11 no 1 60-74 '62

KONSTANTINOVKA OIL FIELD—OIL FIELD FLOODING

Investigating the effect of the flow rate on the recovery factor of bed DII in the Konstantinovka oil field I. Kh. Sabirov Nefteprom. delo no 5:7-9 '64

KONSTANTINOVKA OIL FIELD—PETROLEUM PRODUCTION

Intensive development of bed DII of the Konstaninovka oil field I IA IUrin Nefteprom. delo no. 5:3-7 '64

KOPETDAG—GEOLOGY, STRATIGRAPHIC

Paleogene of the central Kopetdag A. V. Dmitriev, G. E. Kozhevnikova Izv. AN Turk. SSR. Ser fiz.-tekh., khim i geol nauk no. 2 99-107 '63.

KOPETDAG REGION—FRUIT—CHEMICAL COMPOSITION

Chemical composition of some fruits and berries in regions adjoining the Kopetdag. G A. Diuzhev. Biul. nauch.-tekh. inform Turk nauch.-issl inst. zem za 1963 g.:36-40

KOREA, NORTH—AGRICULTURE, COOPERATIVE

Kim, Il-song. [Theses on the socialist agrarian question in our country, adopted at the Fourth Session of the Eighth Plenum of the Central Committee of the Workers' Party of Korea, on February 25, 1964] Tezisy po sotsialisticheskomu agrarnomu voprosu v nashei strane; priniaty na VIII plenume TsK Trudovoi partii Korei chetvertogo sozyva 25 fevralia 1964 goda. [Pyongyang, Izd-vo lit-ry na inostr. iazykakh KNDR] 1964. 65 p.

KORKINO (CHELYABINSK PROVINCE)—COAL MINERS

A source of strength and cheerfulness; a photo report. G Elenskii Sov. profsoiuzy 20 no 15 34-35 Ag '64

KORKINO (CHELYABINSK PROVINCE)—SPORTS

A source of strength and cheerfulness, a photo report. G Elenskii Sov profsoiuzy 20 no 15 34-35 Ag '64.

KORNAKOVSKII, LEV

Fellow from the "Hammer and Sickle." Mikhail Skorokhodov. Sov. voin 46 no. 9 42-43 My '64.

KORZHAVIN, N.

Years and destinies V. I. Soloukhin. Nov mir 40 no 1 249-252 Ja '64

KORZHINTAU MOUNTAINS—GEOLOGICAL TIME

Probable Lower Devonian age of granitoid pebble from the Namur series of Uya (Karzhantau). O. M Borisov Uzb geol zhur 7 no 6 66-71 '63

KOSTROMA DISTRICT—COWS

Controlling sterility in cattle on some collective farms in the Kostroma District P I Kuz'minov Trudy Kostr sel'khoz inst "Kar " no 3 158-164 '63.

KOSTROMA DISTRICT—STERILITY IN ANIMALS

Controlling sterility in cattle on some collective farms in the Kostroma District P. I Kuz'minov Trudy Kostr sel'khoz inst "Kar " no 3 158-164 '63

KOSTROMA PROVINCE—BEANS

Method of sowing forage beans for seed in Kostroma Province A V Krylov, E V Makulova Trudy Kostr sel'khoz inst "Kar " no 3 43-48 '63

KOSTROMA PROVINCE—BEEF CATTLE—FEEDING AND FEEDS

Fattening castrated bull calves on distiller's grains B D Atnabaev Trudy Kostr sel'khoz inst "Kar " no 3 174-178 '63

KOSTROMA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

"The party committee apparatus," Part. zhizn' no. 15: 79 Ag '64.

KOSTROMA PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Effectiveness of treating seed corn with poisonous chemicals before sowing in the control of wireworms T F Nikitina Trudy Kostr sel'khoz inst "Kar " no 3 16-19 '63

KOSTROMA PROVINCE—CORN (MAIZE)—VARIETIES

Results of testing corn varieties N IU Koroleva Trudy Kostr sel'khoz inst "Kar " no 3 3-10 '63.

KOSTROMA PROVINCE—DAIRY CATTLE—FEEDING AND FEEDS

Use of potatoes in raising Kostroma dairy cattle A A Il'inskii Trudy Kostr sel'khoz inst "Kar " no. 3 165-173 '63

KOSTROMA PROVINCE—DAIRY CATTLE BREEDING

Basic problems of a further development of Kostroma cattle V A Shaumian Trudy Kostr sel'khoz inst. "Kar " no 3 143-147 '63

Characteristics of the leading lines of Kostroma cattle. N N Grishchenko Trudy Kostr sel'khoz inst "Kar." no 3 148-157 '63

KOSTROMA PROVINCE—FEEDS

Green fallowing as the most important factor in an increase of the production of feeds I S Sidorov, I S Petrova Trudy Kostr. sel'khoz inst "Kar." no 3 49-56 '63.

KOSTROMA PROVINCE—FLAX

Cultivation practice methods for the improvement of the quality of the stem of L-1120 flax O V Obukhova. Trudy Kostr sel'khoz inst. "Kar." no 3 57-61 '63

Effect of the rolling of soils on the yield of flax. A. M Karaseva. Trudy Kostr sel'khoz. inst "Kar " no. 3: 62-69 '63

KOSTROMA PROVINCE—FLAX—FERTILIZERS AND MANURES

Response of some flax varieties to bacterial fertilizers. A A. Isakova, Z N. Aniskina, E V. Makulova. Trudy Kostr. sel'khoz inst "Kar." no 3 70-04 '63

KOSTROMA PROVINCE—INSURANCE, SOCIAL

Grafters and loafers. V. Leont'ev. Sots. obesp. 24 no 12:27-28 D '63

KOSTROMA PROVINCE—ONIONS

Effect of trace elements on the yield and quality of common onion. V D Oleshko Trudy Kostr sel'khoz inst "Kar." no 3 127-130 '63

KOSTROMA PROVINCE—PODZOL

Moisture and aeration conditions of loamy turf-medium Podzolic soils under subsoiling and cultivating the top soil. Kh. IA Zikherman Trudy Kostr. sel'khoz. inst. "Kar " no 3:95-108 '63

KOSTROMA PROVINCE—POTATOES—VARIETIES

Effect of the density of planting and the depth of embedding the tubers on the yield of early "Epron" potato. I K. Bodrov. Trudy Kostr sel'khoz inst "Kar " no. 3:33-42 '63

KOSTROMA PROVINCE—ROTATION OF CROPS

Green fallowing as the most important factor in an increase of the production of feeds. I. S. Sidorov, I. S Petrova. Trudy Kostr sel'khoz. inst. "Kar." no. 3; 49-56 '63.

KOSTROMA PROVINCE—SEEDS—DISINFECTION

Effectiveness of treating seed corn with poisonous chemicals before sowing in the control of wireworms T F Nikitina Trudy Kostr sel'khoz inst "Kar " no 3 16-19 '63

KOSTROMA PROVINCE—SOIL AERATION

Moisture and aeration conditions of loamy turf-medium Podzolic soils under subsoiling and cultivating the top soil Kh IA Zikherman Trudy Kostr sel'khoz inst "Kar " no 3 95-106 '63

KOSTROMA PROVINCE—SOIL INOCULATION

Response of some flax varieties to bacterial fertilizers A A Isakova Z N Aniskina, E V. Makulova Trudy Kostr sel'khoz inst "Kar " no 3 70-[illegible] '63

KOSTROMA PROVINCE—SOIL MOISTURE

Moisture and aeration conditions of loamy turf-medium Podzolic soils under subsoiling and cultivating the top soil Kh. IA Zikherman. Trudy Kostr sel'khoz inst "Kar." no 3 95-106 '63

KOSTROMA PROVINCE—SOILS—TRACE ELEMENT CONTENT

Content and dynamics of trace elements in the soils of Kostroma Province M S Dzhurko. Trudy Kostr sel'khoz inst "Kar " no 3 110-126 '63

KOSTROMA PROVINCE—STOCK AND STOCKBREEDING

Some achievements on the farms of the Institute [illegible] N N Lebedeva Trudy Kostr. sel'khoz. inst. "Kar no 3 199-206 '63

KOSTROMA PROVINCE—STOCK AND STOCKBREEDING—ECONOMIC ASPECTS

Increasing the productivity of animals as a way of [illegible] costs K S Nesterova Trudy Kostr sel'khoz inst "Kar " no 3,191-198 '63

KOSTROMA PROVINCE—SUGAR BEETS

Sugar beet, its productivity, development, and [illegible] methods of growing it for forage in Kostroma Province [illegible] A. V Krylov, O V. Obukhova, E M Golubeva [illegible] Kostr. sel'khoz. inst. "Kar " no. 3 20-3[illegible] '63

KOSTROMA PROVINCE—TILLAGE

Cultivation practice methods for the improvement of the quality of the stem of L-1120 flax. O V. Obukhova Trudy Kostr. sel'khoz inst. "Kar " no 3,57-61 '63

KOSTROMA PROVINCE—TRACTORS

Use of tractors at increased speeds on the [illegible] farms of the Institute. N P Strumilkov Trudy Kostr sel'khoz inst "Kar." no 3 210-225 '63

KOSTROMA PROVINCE—WILD RICE

Growth and development of wild rice as related to temperature. E M. Krasnova. Trudy Kostr. sel'khoz inst "Kar." no. 3:137-142 '63

KOSTROMA PROVINCE—WIREWORMS—EXTERMINATION

Effectiveness of treating seed corn with poisonous chemicals before sowing in the control of wireworms T F Nikitina Trudy Kostr sel'khoz. inst. "Kar " no 3 16-19 '63

KOTSEBU, OTTO EVSTAF'EVICH, 1787-1846

About O. E. Kotsebu's grave. V. Guralskii. Izv. Vses. geog. ob-va 96 no 3 247 My-Je '64.

KOTURVAN REGION (ARMENIA)—PALEOBOTANY, STRATIGRAPHIC

Koturvan fossil flora. N. G. Gokhtuni. Izv. AN Arm. SSR. Nauki o zem. 17 no. 2:3-16 '64.

KRASNODAR—CARDIOVASCULAR SYSTEM—DISEASES

Importance of cardiovascular diseases as the causes of death among the population of Krasnodar V A Nesterov. Nauch. trudy Kub. gos. med Inst. 10 [illegible] 168 '62.

KRASNODAR—DEATH—CAUSES

Importance of cardiovascular diseases as the causes of death among the population of Krasnodar V A Nesterov. Nauch. trudy Kub. gos. med Inst 10 [illegible] 168 '62.

Importance of the quality of intravital diagnosis in the study of mortality due to the most important cardiovascular diseases. V. A. Nesterov. Nauch. trudy Kub. gos. med. Inst. 10:160-168 '62.

KRASNODAR—FACTORIES—SAFETY MEASURES

Prevention of occupational dermatoses in workers at the Krasnodar Plant of Measuring Instruments M A Karagezian, V. P. Nesterova, K. A. Vatul'ian Nauch. trudy Kub. gos. med. Inst. 10:40-47 '62.

KRASNODAR—FOUNDING—HYGIENIC ASPECTS

Study of the dust factor in the founding departments of six Krasnodar plants. V. F. Rukavisova and others Nauch. trudy Kub. gos. med. Inst. 10:63-78 '62

KRASNODAR—GAS DISTRIBUTION—EQUIPMENT AND SUPPLIES

Investigation of the operation of a starting turbine in gas-distributing station No. 4 in Krasnodar. G. E. Zarnitskii, V. A. Konovalov, V V. Korablin. Gaz delo no. 3:9-13 '63.

KRASNODAR—INDUSTRIAL HYGIENE

Incidence of angina and outpatient service for chronic tonsillitis at some Krasnodar industrial enterprises A A Akimov, F. A Shaposhnikov, V I. Kolmakov Nauch trudy Kub gos med inst 19:6-18 '62

KRASNODAR—MACHINE-TOOL INDUSTRY—HYGIENIC ASPECTS

Study of industrial traumatism at the Sedin Machine-Tool Plant. V. P. Kitsenko, V. A. Nesterov Nauch. trudy Kub. gos. med. inst. 19:56-62 '62

KRASNODAR—NERVOUS SYSTEM—DISEASES

Incidence of neurological diseases in Krasnodar. V. P. Kitsenko. Nauch. trudy Kub. gos med. inst. 19:152-159 '62.

KRASNODAR—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Communications from Krasnodar petroleum workers. Mash. i neft. obor. no. 6:39-40 '63

KRASNODAR—PETROLEUM REFINERIES

Effectiveness of the work of the experimental settling pond of the Krasnodar Petroleum Refinery. N. A Amelina, L. I. Zinchko. Nauch trudy Kub gos. med inst. 19:90-96 '62.

KRASNODAR—TEXTILE WORKERS—DISEASES AND HYGIENE

Outpatient service for the workers of the Krasnodar Worsted and Cloth Combine frequently suffering from angina L. P Lazarevich and others Nauch trudy Kub gos med inst. 19:10-28 '62.

KRASNODAR—TRACTOR INDUSTRY—HYGIENIC ASPECTS

Prevention of skin diseases in the workers of the "Oktiabr'" Plant. M. A. El'fond, N. P. Platonova Nauch trudy Kub gos med inst. 19:48-55 '62.

KRASNODAR REGION—CAMPS

Good luck, "Chaika"! Z. Simatova. Sov. profsoiuzy 20 no. 15 30 Ag '64

KRASNODAR TERRITORY—AGRICULTURAL RESEARCH

The foundation has been laid. S. Savel'ev. NTO 5 no. 12: 34-36 D '63.

KRASNODAR TERRITORY—BARLEY

Brewing properties of barley from the Krasnodar and Stavropol Territories. A. P. Zubenko, V. E. Samoilova. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10:51-70 '63.

KRASNODAR TERRITORY—CHEESE FACTORIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Work experience of the "Leningrad" Cheese Factory in Krasnodar Territory] Opyt raboty Leningradskogo syrodel'nogo zavoda Krasnodarskogo kraia. Moskva, 1963. 22 p.
[MICROFILM]

KRASNODAR TERRITORY—CHERNOZEM SOILS

Characteristics of the water conditions of Chernozem soils in 10-field crop rotation. I. S Sidorov. Pochvovedenie no. 7:93-103 Jl '64.

KRASNODAR TERRITORY—CITRUS FRUITS

Zorin, F. M., and I. L Lavrilchuk. [Breeding and cultivation of citrus fruits in the northern part of the subtropics] Selektsiia i agrotekhnika tsitrusovykh na Severe subtropikov. Moskva, Izd-vo "Kolos," 1964. 231 p.
(DNAL)

KRASNODAR TERRITORY—CLIMATOLOGY, MEDICAL

Evaluation of the role of climate in the analysis of the incidence of angina in workmen and employees. E. A. Shaposhnikov. Nauch. trudy Kub. gos. med. inst. 19:20-39 '62.

KRASNODAR TERRITORY—HOSPITALS, RURAL

Provision of hospital aid for the rural population of Krasnodar territory. T. I. Nesterenko. Nauch. trudy Kub. gos med. inst. 10:142-151 '62.

KRASNODAR TERRITORY—OIL SANDS—ANALYSIS

Determining the volume of reservoirs with various lithological and physical properties. A. A. Valitskii, M. E. Simonov, V. M. Shakhunov. Geol. nefti i gaza 7 no. 11:26-33 N '63.

KRASNODAR TERRITORY—PETROLEUM REFINERIES—HYGIENIC ASPECTS

Working conditions and the state of health of the workers in the laboratories of petroleum refining plants. S. Kh. Nikolov. Nauch. trudy Kub gos. med. inst. 19:84-89 '62.

KRASNODAR TERRITORY—ROTATION OF CROPS

Characteristics of the water conditions of Chernozem soils in 10-field crop rotation. I. S Sidorov. Pochvovedenie no. 7:93-103 Jl '64.

KRASNODAR TERRITORY—SOILS—TRACE ELEMENT CONTENT

Cobalt and copper in the soils of Krasnodar Territory L. V. Tonkonozhenko. Nauch. dokl vys shkoly; biol nauki no. 3:208-213 '64.

KRASNOVODSK PENINSULA—OYSTERS, FOSSIL

Age of Miocene oyster beds in the southern part of the Krasnovodsk Peninsula. O Uzakov Izv. AN Turk. SSR Ser fiz.-tekh., khim i geol. nauk no 2 94-98 '63.

KRASNOYARSK TERRITORY—CALVES

How we take care of young farm animals M B Ashepa A T Bannov Veterinariia 41 no 1 3-5 Ap '64

KRASNOYARSK TERRITORY—COAL PREPARATION PLANTS

Experience in using cableways at a coal preparation plant. A V. Volodin and others. Koks i khim. no 6: 12-15 '64.

KRASNOYARSK TERRITORY—SWINE

How we take care of young farm animals. M B. Ashepa, A T Bannov Veterinariia 41 no 4 3-5 Ap '64

KRASNOYARSK TERRITORY—WATER, UNDERGROUND

Underground waters in the southern part of the Krasnoyarsk Territory. M A. Burlakova. Mat Kom po izuch podzem. vod Sib. i Dal'. Vost no 2:82-89 '62

KRASNYY KHOLM DISTRICT—EVENING AND CONTINUATION SCHOOLS

Rural youth studies. M. T. Pliasov. Vech. sred. shkola 7 no. 2:18-21 Mr-Ap '64.

KRASNYY KUT DISTRICT—AGRICULTURAL ADMINISTRATION

Features of the new style K Ponomarev Kommunist 41 no 10 85-90 Jl '64

KRASSOVSKII, ANTON IAKOVLEVICH, 1821-1898

Obstetrician A. IA. Krassovskii and his activity of teaching pediatrics and training pediatric personnel between 1850 and 1860. V. S. Vail'. Trudy Tadzh. med. inst. 50:209-210 '61.

KRETINGA, LITHUANIA—FUR FARMING

Bartkevicius, I., T. S. Mulina, and K. A. Kachalova. [The Kretinga fur farm] Kretingskoe zverokhoziaistvo. Moskva, Izd-vo "TSentrosoiuza, 1963. 15 p.
[DNAL MICROFILM]

KRIGER, VIKTORINA VLADIMIROVNA, 1896-

Chudnovskii, M. A. Viktorina Kriger. Moskva, Iskusstvo, 1964. 117 p.

KRIVOY ROG BASIN—BLASTING

Expansion of short-delay blasting in Krivoy Rog Basin strip mines A P Tkachenko and others Sbor nauch trud KGRI no. 15 79-82 '63

KRIVOY ROG BASIN—BORING MACHINERY

Increasing the efficiency of jet piercing machines at a strip mine of the Southern Mining and Ore Dressing Combine. S. A. Zapara, N. I. Liakhov. Met. i gornorud. prom. no. 6:48-51 N-D '62.

KRIVOY ROG BASIN—FLOTATION

Status of the introduction of flotation of iron oxide in the Krivoy Rog Basin. F N. Belash Sbor nauch. trud. KGRI no. 10:323-341 '61.

KRIVOY ROG BASIN—IRON MINES AND MINING

Analysis of mining methods in use at the "XX Parts'ezd" Mine. V. M. Koshelenko. Sbor nauch. trud KGRI no. 23: 53-62 '63

Improving the technology of the breaking and drawing of ores in a complex with the mechanization of the operations. G A. Meshkovskii. Sbor. nauch. trud. KGRI no. 23:63-70 '63

Methods of determining certain optimal parameters of mines with conveyor hoisting in the Krivoy Rog Basin. IU I Chirkov Sbor. nauch. trud. KGRI no. 23:76-78 '63.

Opening of Krivoy Rog Basin ore deposits with the use of inclined conveyor shafts. IU. I. Chirkov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:24-30 '64.

Practice of using short-delay blasting in mining hard ores at the R. Liuksemburg Mine. N. I. Diadechkin, I. P. Sadovoi, V A. Dolgov Sbor. nauch. trud KGRI no 23:23-28 '63.

Regularities of the manifestation of rock pressure and selecting the order of stoping during the mining of thick and very thick deposits in the Krivoy Rog Basin I. A Kucherenko. Sbor. nauch. trud. KGRI. no. 23:70-76 '63.

KRIVOY ROG BASIN—IRON MINES AND MINING—PRODUCTION STANDARDS

Technical and economic level of Krivoy Rog Basin mines. V. A. Timofeev. Met. i gornorud. prom. no. 6:64-67 N-D '62.

KRIVOY ROG BASIN—IRON ORES

Some characteristics of the documentation of [illegible] made during the large-scale geological survey of the Krivoy Rog iron ore basin. M I [illegible] Sbor nauch trud KGRI no 10 20-24 '61.

KRIVOY ROG BASIN—MAGNETIC SEPARATION OF ORES

From ore dressing at the Northern Mining and Ore Dressing Combine using magnetic separation and flotation. F. N. Belash, P. A. Gontarenko. Met. i gornorud. prom no. 6 52-55 N-D '62.

KRIVOY ROG BASIN—MINE BUILDINGS

Design and construction of administration and general services combines in the Krivoy Rog iron ore basin B IA Poda Adm.-byt. komb. ugol' shakht no [illegible] '6[illegible]

KRIVOY ROG BASIN—MINE EXAMINATION

Methods of exploring iron ore deposits at deep levels in the Krivoy Rog Basin. S I Zhilkin[illegible] Sbor nauch trud. KGRI no 10:9-19 '61

KRIVOY ROG BASIN—MINE HAULAGE

Technical and economic analysis of ore haulage in Krivoy Rog Basin mines. V. A. Timofeev, G A Meshkovskii, V. N. Pokhodzilo. Met. i gornorud. prom no. 6:40-44 N-D '62.

KRIVOY ROG BASIN—MINE VENTILATION

Actual ventilation conditions and guarantee of air in mines at the "Dzerzhinskruda" Trust I B Oshmianskii, P IA Boginskii Sbor nauch trud KGRI no 23 90-102 '63

Ventilation practices at the "Novaia" Mine of the R. Liuksemburg Mining Administration after large-scale blasting V G Sliusarenko Sbor nauch trud KGRI no 23 105-107 '63

KRIVOY ROG BASIN—MINE VENTILATION—EQUIPMENT AND SUPPLIES

Efficiency of major mine ventilation equipment at the "Dzerzhinskruda" Trust I B Oshmianskii, P IA Boginskii Sbor nauch trud KGRI no 23 142-148 '63

KRIVOY ROG BASIN—QUARRIES AND QUARRYING

Dolomite strip mine in Krivoy Rog Basin Z B Poizner and others Sbor nauch trud KGRI no 15 56-60 '63

KRIVOY ROG BASIN—ROCKS—TESTING

Stability of rocks in the Krivoy Rog Basin G M Malakhov, A P. Chernous Sbor nauch trud KGRI no 23 11-17 '63.

KRIVOY ROG BASIN—STEEL INDUSTRY—FINANCE

Utilization of the capital production assets in the mining industry of the Krivoi Rog Basin. I Vasil'ev. Komm. Ukr 39 no. 3:20-27 Mr '64

KRIVOY ROG BASIN—STRIP MINING

Efficiency of strip mining at the Nikolayev Deposit A. I Arsent'ev, IU P Astaf'ev, G D Voronkin. Sbor nauch trud KGRI no. 15 64-74 '63

Increasing the output of the Inguleta strip mine A A Eshchenko A P Bondar', V IA Bondar' Sbor nauch trud KGRI no 15 53-59 '63.

Intensity of open pit mining in Krivoy Rog Basin A I. Arsent'ev Sbor nauch trud KGRI no 15 3-9 '63.

Introduction of the crosscut entry system without working trenches at the strip mine of the Central Mining and Ore Dressing Combine A I. Asent'ev A A Eshchenko Sbor nauch trud KGRI no 15 40-53 '63

Prospects for the third stage of the open pit at the Southern Mining and Ore Dressing Combine A N Kurochkin and others. Sbor. nauch trud KGRI no 15 13-17 '63

Speeding up the development of the -"15m" level of the strip mine at the Southern Mining and Ore Dressing Combine by excavating a temporary approach A. N Kurochkin, A I Arsent'ev Sbor nauch. trud KGRI no 15 9-13 '63

KRIVOY ROG BASIN—STRIP MINING—LABOR PRODUCTIVITY

Speeded up stripping and development of the "15m" level of the strip mine at the Southern Mining and Ore Dressing Combine A I. Arsent'ev and others Sbor nauch trud. KGRI no. 15 17-22 '63

KRONSHTADT (LENINGRAD PROVINCE)—REVOLUTION OF 1905

Vengeance of the tsar's satraps V. Khokhlov. Starsh.-serzh no. 7:28 Jl '64

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

Nadezhda Konstantinovna, V. Dridzo. Mol. komm. no. 2: 94-98 F '64.

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945

Our countryman Academician A. N. Krylov. S. T. Luchininov. Uch. zap. CHNIIIALIE no. 22:295-298 '63.

"A seafarer and a carpenter." O. Pisarzhevskii. Izobr. i rats. no. 5 30-32 '64

KRYZHOPOL' DISTRICT—JOURNALISM, MILITARY

With reserve officers. Voen. vest. 43 no. 4:60-61 Ap '64.

KUBAN—CARP

Feeding habits of cultivated and wild carp reared in the Kuban limans. E. P. Teplova. Trudy AzNIIRKH no 6 163-177 '63

KUBAN—FISHES—FOOD

Feeding habits of cultivated and wild carp reared in the Kuban limans E P. Teplova Trudy AzNIIRKH no. 6 163-177 '63.

KUBAN—MEDICAL COLLEGES

Role of the sanitary section of the 9th Army in the organization of the public health service and higher medical education in Kuban during the civil war years S. N. Cherniak Nauch. trudy Kub gos. med inst, 19 189-197 '62

KUBAN—PUBLIC HEALTH

Role of the sanitary section of the 9th Army in the organization of the public health service and higher medical education in Kuban during the civil war years. S. N Cherniak. Nauch. trudy Kub. gos med inst 19·189-197 '62

KUBAN—SUGAR BEETS

It's up to you, Kuban beet growers! M. Sabanskii. Zakup sel'khoz prod. no 1 16-18 Ja '64

KUBAN DELTA—REED (BOTANY)

Types of reed (Phragmites communis Trin.) growths in the Kuban Delta. I. S. Matiuk. Bot. zhur. 49 no. 7: 1013-1016 Jl '64.

KUBAN VALLEY—PETROLEUM GEOLOGY

New oil and gas bearing region in the eastern Kuban. S. I. Gorlov, A. I. D'iakonov, G. A. Aleksin. Neftegaz. geol. i geofiz. no. 6:35-39 '64.

KUCHUK, LAKE—BRINES

Isothermal evaporation of the desulfated brine of Lake Kuchuk. I. A. Moshkina. Izv. Sib. otd AN SSSR no. 12 140-143 '62

KUGITANGTAU REGION—LAMELLIBRANCHIATA, FOSSIL

Some representatives of the genus Korobkovitrigonia from the Albian and Cenomanian of the Gaurdak-Kugitang region. G. N. Burkova Izv. AN Turk. SSR. Ser. fiz.-tekh., khim i geol. nauk no. 2.108-115 '63.

KULIASHOU, ARKADZ' ALIKSANDRAVICH, 1914-

The Besed' flows into the ocean. Arkadz' Kuliashou's 50th birthday. G. Berezkin. Nov. mir 40 no. 2:217-227 F '64.

KULUNDA DISTRICT—AGRICULTURE

Virgin land road. IU. Chernichenko. Nov. mir 40 no. 1:166-185 Ja '64.

KULUNDA STEPPE—BACTERIA, SULFUR

Sulfate-reducing bacteria in Solonetz soils of central Baraba and northern Kulunda T. E. Dudareva Trudy Biol. inst. Sib. otd. AN SSSR no. 9:148-152 '62.

KULUNDA STEPPE—IRRIGATION RESEARCH

Michkov, V. A. [Kamen' Hydroelectric Power Station on the Ob' River and the irrigation of the Kulunda Steppe] Kamenskaia GES na Obi i oroshenie Kulundy. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 58 p.

KULUNDA STEPPE—SOIL MICRO-ORGANISMS

Microflora of virgin and cultivated Solonetz soils in northern Kulunda. T. E. Dudareva. Trudy Biol. inst. Sib. otd. AN SSSR no. 9:163-166 '62.

KULUNDA STEPPE—SOLONETZ SOILS

Conditions of the development and general characteristics of Solonetz soils in Baraba and northern Kulunda. S. N. Seliakov. Trudy Biol. inst. Sib. otd. AN SSSR no. 9:5-43 '62

Effect of deep subsoil plowing on the properties of high columnar Solonetz soils of northern Kulunda. N A. Murashov. Trudy Biol. inst. Sib otd. AN SSSR no. 9: 116-126 '62.

Microflora of virgin and cultivated Solonetz soils in northern Kulunda. T. E. Dudareva. Trudy Biol. inst. Sib. otd. AN SSSR no. 9:163-166 '62.

Salt and nutrient balances of Solonetz soils under cultivation in southern Kulunda. A. A. D'iakonova. Trudy Biol. inst. Sib. otd AN SSSR no. 9:107-117 '62.

Suggestions for the reclamation of virgin Solonetz soils in Baraba and Kulunda. Trudy Biol. inst. Sib. otd. AN SSSR no 9:279-282 '62.

KULUNDA STEPPE—SUGAR BEETS—IRRIGATION

Increase of the sugar content of sugar beets due to irrigation in the Kulunda Steppe. I. N. Shabalin. Izv. Sib. otd. AN SSSR no. 8:78-83 '62.

KULUNDA STEPPE—TILLAGE

Effect of deep subsoil plowing on the properties of high columnar Solonetz soils of northern Kulunda. N. A. Murashov. Trudy Biol. inst. Sib. otd. AN SSSR no. 9: 116-126 '62.

KUMISS

Once more on kumiss from cow's milk. R. B. Davidov, V. P. Sokolovskii. Vop. pit. 23 no. 1:87-89 Ja-F '64.

KUNGUR DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Not the right form. . Part. zhizn' no. 15:78 Ag '64.

KUPRIIANOV, PETR ANDREEVICH, 1893-1963

Lieutenant General P. A. Kupriianov, medical officer and professor; on the 70th anniversary of his birth. Voen.-med. zhur. no. 1:93-94 '63.

KUPRIN, ALEKSANDR IVANOVICH, 1870-1938

In the struggle with inertia. O. Mikhailov Nov mir. 39 no. 12:249-252 D '63.

KUPYANSK (KHARKOV PROVINCE)—DRUGSTORES

For efficient work methods. M. M Bushkova Farmatsev. zhur 16 no 1 68-71 '61

KURA LOWLAND—DRAINAGE

Soil leaching norms established on the basis of the operation of the Mugan (Dzhafarkhan) closed drainage. E. I. Zdobnov. Dokl. AN Azerb. SSR 20 no. 5:47-51 '64

KURA LOWLAND—GAS, NATURAL—GEOLOGY

Prospects for finding gas and oil in the Akchagyl' sediments of the Kura oil and gas bearing region. A. I. Aliev. Azerb. neft. khoz. 43 no. 5:6-9 My '64.

KURA LOWLAND—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the Akchagyl' sediments of the Kura oil and gas bearing region. A. I. Aliev. Azerb. neft. khoz. 43 no 5.6-9 My '64

Thinning out of the producing formation in the Lower Kura region according to the data of seismic prospecting R. A. Abdullaev. Izv. vys. ucheb zav, neft' i gaz 5 no. 10 7-10 '62

KURA LOWLAND—SEISMIC PROSPECTING

Thinning out of the producing formation in the Lower Kura region according to the data of seismic prospecting R A. Abdullaev Izv vys ucheb zav, neft' i gaz 5 no. 10.7-10 '62

KURA RIVER BASIN—WATER RESOURCES DEVELOPMENT

Hydrogeological characteristics of pliocene deposits in the south-eastern part of the Kura depression and the outlook for the water prospecting for industrial purposes. IU. B. Ginis. Za tekh. prog. 3 no. 11:32-35 N '63.

KURAKHOVO (DONETSK PROVINCE)—DRUGSTORES

More from our work practices. K. S. Alekseieva. Farmatsev. zhur. 16 no. 1:73 '61.

KURAMA RANGE—FLUOSPAR

Mineralogical and genetic characteristics of the Supatash group of fluorite deposits in the Kurama Range. M. I. Moiseeva. Uzb. geol. zhur. 7 no. 6: 15-19 '63.

KURAMA RANGE—ZIRCON

Morphology and varieties of zircon and their correlation significance for intrusive rocks of the Sauk-Bulak ore field. I. I Dzhantuganov Uzb. geol. zhur. 7 no. 6.94-96 '63.

KURGANINSK DISTRICT—HYPERTENSION

Hypertension incidence among the rural population and its treatment and prophylaxis. T. R. Petrova. Nauch trudy Kub. gos. med inst. 19·135-141 '62.

KURILE ISLANDS—WATER, UNDERGROUND

Hydrogeological map of the northeastern area of the U. S. S. R., Kamchatka, and the Kurile Islands made on a 1:2,500,000 scale and characteristics of the formation of underground waters on that territory. A. A. Zelenkevich. Mat. Kom po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:229-236 '62.

KURSK—TEXTILE FIBERS, SYNTHETIC

Leaders in the major chemical industrial complexes. L. Il'in. NTO 5 no. 12:15-17 D '63.

KURSK MAGNETIC ANOMALY

[Kursk Magnetic Anomaly. History of its discovery, study, and the industrial adoption of its iron ore deposits; collection of documents and materials in two volumes, 1742-1962] Istoriia otkrytiia, issledovanii i promyshlennogo osvoeniia zhelezorudnykh mestorozhdenii; sbornik dokumentov i materialov v dvukh tomakh 1742-1962. [Belgorod] Belgorodskoe knizhnoe izd-vo. Vol. 2. 1926-1962. 1962. 629 p.

KURSK PROVINCE—INDUSTRIES

The culture of production. A. Sokolov. Part. zhizn' no. 12:19-24 Je '64.

KUTKASHEN DISTRICT—ANTIQUITIES

Archaeological excavations on the southern part of the ancient site of Kabala in 1960. O. Sh. Ismizade. Mat. kul't. Azerb. 5:68-130 '64.

Historical and archaeological exploration of the ancient site of Kabala. S. M. Kaziev. Mat. kul't. Azerb 5:7-67 '64.

KUTKASHEN DISTRICT—COINS, ORIENTAL

Coins from the 1959-1960 archaeological excavations of the Kabala fortress ruins. E. A. Pakhomov Mat kul't. Azerb. 5:178-186 '64.

KUTKASHEN DISTRICT—GLASS

Glass articles from the ancient site of Kabala; based on the excavation materials of 1959-1960 [illegible] Mat. kul't. Azerb. 5:149-160 '64.

KUTKASHEN DISTRICT—POTTERY, MOHAMMEDAN

Early glazed vessels from Kabala. I. A. Babaev. Mat. kul't. Azerb. 5:131-148 '64.

KUTKASHEN DISTRICT—POTTERY, MOHAMMEDAN—MARKS

Glazed pottery with pottery marks from the 11th to the 14th century medieval Kabala. O. Sh Ismizade Mat. kul't. Azerb. 5:161-177 '64.

KUTUZOV, MIKHAIL ILLARIONOVICH, 1745-1813

Last days of the life of M. I. Kutuzov. N. [illegible], IA. Shurygin. Voen.-ist. zhur 5 no. 4:110-[illegible] Ap [illegible]

KUYBYSHEV—HOSPITALS—OUTPATIENT SERVICES

Dispensary care of patients in a nonconsolidated polyclinic IU M. Kharin Zdrav. Ros. Feder [illegible] Ja '64

KUYBYSHEV—MOTION PICTURES, DOCUMENTARY

Motion pictures dealing with the history of the October Revolution should be available for the screen. N. [illegible]nov. Part. zhizn' no. 15:63-64 Ag '64.

KUYBYSHEV—RUSSIAN SOCIAL DEMOCRATIC PARTY

Fine beginning. P. I. Voevodin. Vop. ist. KPSS [illegible] 124-128 Ag '64.

KUYBYSHEV—SCHOOLCHILDREN

A personal matter is being discussed. T. [illegible]. [illegible] komm. no. 2:46-52 F '64.

KUYBYSHEV PROVINCE—CEMENT

Possibility of producing plugging cements in the [illegible] combine for building materials. V. A [illegible] Trudy KNII NP no 17:37-46 '62

KUYBYSHEV PROVINCE—OIL FIELD BRINES

Concerning the book "Formation waters of the [illegible] sediments of the Volga Valley portion of Kuybyshev Province." E. F. Stankevich. Geol. nefti i gaza 7 no. 11:58-59 N '63.

KUYBYSHEV PROVINCE—OIL RESERVOIR ENGINEERING

Hydraulic testing of wells and the determination of reservoir parameters. A. N. Gorbatova, V. V. [illegible] Nauch.-tekh. sbor. po dob. nefti no. 19:50-[illegible] '6[illegible]

Possibility of using high-pressure gas drive in the fields of Kuybyshev Province. M. Z. Kornaev. Trudy [illegible] no. 40:220-230 '63.

KUYBYSHEV PROVINCE—OIL WELL LOGGING, RADIATION

Determining the oil-water saturation and position of the oil-water surface in carbonate reservoir rocks of fields in the Volga-Valley portion of Kuybyshev Province by combined radiometric methods. L. Z. [illegible] V. V. Laptev. Geol. nefti i gaza 7 no. 11:53-5[illegible] N '63

KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY

Trends in prospecting for gas- and oil-bearing structures in the Buzuluk trough and adjacent regions. V. I. Kalinin and others. Geol. nefti i gaza 7 no. [illegible] N '63.

KUYBYSHEV PROVINCE—PETROLEUM REFINING—DESALTING

Dehydration and desalting of sweet and sour petroleums. E. I. Skripnik and others. Izv. vys ucheb zav, neft' i gaz 5 no. 10 67-70 '62.

KUYBYSHEV RESERVOIR

"Kuybyshev Reservoir" by T. N. Borovkova, [illegible] and V. M Shirokov F I Belykh, E F. Semenov, [illegible] Stankevich. Meteor. i gidrol. no 7:49-50 Jl '64

KUYTUN DISTRICT—EMBEZZLEMENT

The grain case. V. K. Sots. zakon. 41 no. 4:[illegible] '64.

KUZNETSK ALATAU—GOLD MINES AND MINING

Structure of the Kommunar ore field in the Kuznetsk Alatau and methods of exploratory boring. D. A Lobanov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. [illegible] 8 '64.

KUZNETSK ALATAU—PROSPECTING

Structure of the Kommunar ore field in the Kuznetsk Alatau and methods of exploratory boring D. A Lobanov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. [illegible] 8 '64.

KUZNETSK BASIN—BLASTING—TESTING

Some efficient parameters of boring and blasting operations with short-delay blasting during stone drifting in the Kuznetsk Basin. IU. V. Rudakov. Trudy Kuz[illegible] shakhtostroia no. 1:41-53 '63.

KUZNETSK BASIN—COAL—CLASSIFICATION

Work quality in the sorting of Kuznetsk Basin coals. G.N.Podbel'skii, N.I.Marasheva. Ugol' 39 no.5:60-61 Mr '64.

KUZNETSK BASIN—COAL MINERS—LEGAL STATUS, LAWS, ETC.

Some problems in legal regulation of labor in underground mining. I.V. Chernov Izv.Sib.otd.AN SSSR no.7:94-96 '62.

KUZNETSK BASIN—COAL MINES AND MINING

Ground movement under seams in the Prokop'yevsk region of the Kuznetsk Basin. IA.A.Bich, I P.Aman. [Trudy]VNIMI no.47·22-31 '62

Hydraulic coal mining at the Polysaevo-Severnaya mine. V.F.Stepanov. Ugol' 39 no.5:49-51 My '64.

Maliutin, N.G., and A.P.Bragin. [Large production of coal in the Kuznetsk Basin] Bol'shoi ugol' Kuzbassa. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1962. 75 p. (Dela i liudi semiletki)

[MICROFILM]

Rapid crosscutting at the No.3-3a Mine in the Kuznetsk Basin. G.V.Solodovnikov, A.M.Babushkin. Ugol' 39 no.5:28-30 My '64.

Reducing losses during the mining of high-grade coal in the Kuznetsk Basin is the great objective of the national economy. V.I.IAvorskii. Razved.i okh.nedr 30 no.2:39-40 F '64.

Results of determining stresses in pillars by the unloading method at the Polysaevo-Severnaya Mine. S.T. Kuznetsov, F.P.Bublik, G.A.Ivanov. [Trudy] VNIMI no.47.41-46 '62.

Some results of studies on rock pressure and its changes with the depth of workings. T.F.Gorbachev. Izv.Sib. otd.AN SSSR no.10:60-71 '62.

KUZNETSK BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

New success of the A.IA.Khmelev mining brigade at the "Polysaevskaia-2" mine of communist labor. V.A. Berdiugin, A.P.Bushuev. Ugol' 39 no.5:32-33 My '64.

KUZNETSK BASIN—COAL PREPARATION

Centrifugal preparation of petrographically heterogenous Kuznetsk Basin coals S.V Glushnev, L.G Demidov, G V.Speranskaia. Trudy IGI 20 3-9 '63

KUZNETSK BASIN—EXCAVATING MACHINERY

Potential for raising the performance of the ESh-4/40 walking excavator in the Kuznetsk Basin. A.M.Novikov. Ugol' 39 no.5;38-41 My '64.

KUZNETSK BASIN—MINE BUILDINGS

Administration and general services combine for the Kuznetsk Basin. L.B.Raikin. Adm.-byt.komb.ugol' shakht no 5;29-36 '62.

KUZNETSK BASIN—MINE EXPLOSIONS

Mining of deep beds complicated by sudden outbursts of coal and gas in the Kuznetsk Basin. N.A.Chinakal. Izv.Sib.otd.AN SSSR no.10:72-79 '62.

KUZNETSK BASIN—STEEL INDUSTRY—MANAGEMENT

The worker hurries to a meeting.... A.Vznuzdaeva. Sov profsoiuzy 20 no.14 36-37 Jl '64.

KUZNETSK BASIN—WATER, UNDERGROUND

Underground waters of the central Jurassic artesian basin of the Kuznetsk Basin. G.M.Rogov, V.V. Ponomarev, A.I.Makhov. Mat.Kom.po izuch.podzem. vod Sib.i Dal'.Vost. no.2;68-71 '62

KUZNETSOV, PAVEL IVANOVICH, 1814-1880

Talented Russian cartographer P.I.Kuznetsov; 150th anniversary of his birth. F.A.Shibanov. Vest.LGU 19 no.12.151-156 '64.

KUZNETSOV, VLADIMIR DMITRIEVICH, 1887-1963

V.D.Kuznetsov;an obituary. A.M.Lavrent'ev and others. Izv.SO AN SSSR no.2.Ser.tekh.nauk no.1: 142-143 '64.

KYMOGRAPHY

Roentgenokymographic characteristics of the contractive ability of the heart muscle in experimental myocardial infarct. A.A Katsel'nikau, Z.A.Biahun, H.F Matiukovich. Vestsi AN BSSR.Ser.biial.nav. no.4:80-84 '63.

KYZYL KUM—TINTICITE—ANALYSIS

Tinticite from the central Kyzyl Kum. A.K.Kasymov, P.L.Prikhid'ko. Uzb.geol.zhur. 7 no.6:91-94 '63.

LABINSK DISTRICT—FARM MANAGEMENT

The masses are acquiring the knowledge of economics. G.Kolomeitsev. Ekon.sel'khoz. 35 no.6:26-31 Je '64.

LABOR (OBSTETRICS)

Basic principles of the function of the "parturient" uterus. I.I.IAkovlev. Akush i gin. 39 no.5;3-8 S-O '63.

Characteristics of blood coagulation during and after labor. L.B.Bokova. Akush.i gin. 39 no.5;51-56 S-O '63.

Dynamics of the content of the contractile protein actomyosin in the myometrium during various periods of pregnancy. N.S.Baksheev, E T.Mikhailenko. Akush.i gin. 39 no 5;21-29 S-O '63.

Partogram, a method of graphic representation of the course of labor. V B.Fainberg. Akush.i gin 39 no 5;126-128 S-O '63.

Use of lidase in the control of perineal injuries and anesthesia in the second period of labor I N Rembez Akush.i gin. 39 no.5:128-129 S-O '63.

LABOR, COMPLICATED

Abortion and excerebration with a vacuum extractor of Soviet construction. V.S.Lesiuk. Akush.i gin. 40 no.1;135 Ja-F '64.

Characteristics of the contractile activity of the uterus in multiple pregnancy. V.A.Tiuvaeva. Akush.i gin 39 no.5;8-13 S-O '63.

Content of free and bound vitamin B6 in blood of the umbilical cord in normal and complicated pregnancy and labor. V K.Zubovich. Akush.i gin 39 no.5;44-47 S-O '63

Delivery using a vacuum extractor. K.V.Chachava. Akush.i gin. 40 no.1;86-91 Ja-F '64.

Experience with the management of labor in pelvic presentation. R.I.Kalganova. Akush.i gin. 40 no.1: 96-101 Ja-F '64.

Forcing of the blood into the ascending aorta in an agonal condition of a parturient. A.T.Kariukina. Akush.i gin. 39 no.5;68-70 S-O '63.

Management of labor in face presentation of the head. M.V.Diratsuian. Akush.i gin. 40 no.1;134 Ja-F '64.

Some data on the role of fibrinogen in hemorrhages during labor and the early postpartum period. M.S TSirul'nikov. Akush.i gin 39 no 5;65-68 S-O '63.

Spontaneous labor following Brock's operation on the heart. E.V.Shadrov. Akush.i gin. 40 no.1;141 Ja-F '64.

State of the newborn following vacuum extraction determined by immediate and remote observations. I.N. Medvedeva. Akush.i gin. 40 no.1;91-95 Ja-F '64.

LABOR AND LABORING CLASSES

(see also subdivision under Ul'yanovsk, White Russia)

The beginning of the labor movement and the dissemination of Marxism in Russia. I.P.Verkhovtsev. Vop. ist.KPSS 8 no.8:71-81 Ag '64.

Communism as a creation of the people's hands F.Gorovskii. Komm.Ukr. 39 no.3.78-85 Mr '64.

For the peace, labor, freedom, equality, and happiness of all peoples. Ugol' 39 no.5;1-4 My '64.

Kozak, V.E. [G.V.Plekhanov on the development of industrial capitalism and the condition of the proletariat in Russia] G.V.Plekhanov o razvitii promyshlennogo kapitalizma i polozhenii proletariata v Rossii. Kiev, Izd-vo Akad. Ukrainskoi SSR, 1964. 174 p.

Problems in the recent history of the international working-class movement, conference at the Institute of History. V.L.Mal'kov Vest.AN SSSR 34 no.7 113-115 Jl '64.

Struggle of the Communist Party with petit bourgeois elements to enlist on the side of the proletariat nonproletarian city workers during the spring and summer of 1918. M.A.Breger. Uch.zap.Penz.inzh.-stroi.inst. no.1·3-46 '61.

[Traditions should be maintained] Traditsiiam ostavat'sia v stroiu. Moskva, Sovetskaia Rossiia, 1964. 94 p.

LABOR AND LABORING CLASSES—EDUCATION

Mihalik, Jozef. [Planning the reproduction of trained labor force; problems of theory and practice. Translated from the Slovak] Planirovanie vosproizvodstva kvalifikatsirovannoi rabochei sily; voprosy teorii i praktiki. Pod red. M.IA.Sonina. Vstup. stat'ia. M.IA. Sonina, E.I.Arona. Moskva, "Progress," 1964. 358 p.

LABOR AND LABORING CLASSES—MEDICAL EXAMINATIONS

Vol'fovskaia, R.N. [Preliminary and periodical examinations of workers] Predvaritel'nye i periodicheskie meditsinskie osmotry rabochikh. [Leningrad] Meditsina, 1964. 126 p. (Biblioteka sanitarnogo vracha) (DNLM)

LABOR AND LABORING CLASSES—STATISTICS

Number of workers and employees, use of calendar time and wage fund composition in industry Vest.stat. no.8 86-89 '64.

Pribyleva, G.N., and S.A.Suponitskii. [Facts and figures on the condition of the working class in the capitalist countries; materials for lectures and discussions] Fakty i tsifry o polozhenii rabochego klassa kapitalisticheskikh stran; materialy dlia lektsii i besed. Moskva, Izd-vo "Znanie," 1962. 39 p. (V pomoshch' lektoru)

[MICROFILM]

LABOR CONTRACT

Labor contract with motor vehicle drivers. L.Koniakhin. Sov.profsoiuzy 20 no.15:42 Ag '64.

LABOR DISCIPLINE

Need of legal standards to determine liability for violation of labor discipline. A.Epshtein. Sov.iust. 28 no.7·13-14 Ap '64.

LABOR DISPUTES

Where labor disputes are solved. V.Nikitinskii. Sov. profsoiuzy 20 no 16 42-44 Ag '64

LABOR LAWS AND LEGISLATION

Discussion of a new book on the worker's condition in production. E.V.Magnitskaia. Vest.LGU 19 no.11: 144-145 '64.

Guarding the law. B.Chechik. Sov.profsoiuzy 20 no.16· 29 Ag '64

"Guarding the workers' interests." N.Parshina. Sov. profsoiuzy 20 no 15 45 Ag '64

Pervushin, A.G. [Collection of problems in Soviet labor law, law on collective farms and land law, textbook for students of agricultural schools of higher learning] Sbornik zadach po sovetskomu trudovomu, kolkhoznomu i zemel'nomu pravu; uchebnoe posobie dlia sel'skokhoziaistvennykh vuzov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 160 p.

Three-volume manual for workers in the food industry. V.V.Bukharin. Masl.-zhir.prom. 30 no.7:42-43 Jl '64.

LABOR LAWS AND LEGISLATION, INTERNATIONAL

Ivanov, S.A. [Problems of international labor regulation] Problemy mezhdunarodnogo regulirovaniia truda. Moskva, Izd-vo "Nauka," 1964. 340 p.

LABOR MOBILITY

Methods for studying the stability of the industrial labor force L A Shishkina Izv SO AN SSSR no.5 Ser obshchestv nauk no 2.79-87 '63.

LABOR PASSPORTS

Contribution to socially useful work as the mark of the Soviet man. B.S.Egorov. Okhr.truda i sots strakh. 7 no.5:9 '64.

What a labor passport should be like. I.Snigireva. Okhr.truda i sots strakh. 7 no 5 9-10 '64.

LABOR PRODUCTIVITY

Essence of the law of the steady growth of labor productivity. Kh.Mollaev Izv AN Turk SSR.Ser obshchestv nauk. no 1:42-53 '64

Increasing labor productivity on tank farms. V.S.Serdiukov. Transp.i khran.nefti i nefteprod. no.7:20-21 '64.

LABOR PRODUCTIVITY—STATISTICS

Zemtsovskaia, V.I. [Statistics of labor productivity; a textbook] Statistika proizvoditel'nosti truda; uchebnoe posobie. [Leningrad] Izd-vo Leningr.univ., 1964. 53 p.

LABOR REST HOMES see subdivision under Moscow Province

LABOR SUPPLY

Mihalik, Jozef. [Planning the reproduction of trained labor force; problems of theory and practice. Translated from the Slovak] Planirovanie vosproizvodstva kvalifikatsirovannoi rabochei sily; voprosy teorii i praktiki. Pod red. M.IA.Sonina. Vstup. stat'ia. M.IA. Sonina, E.I.Arona. Moskva, "Progress," 1964. 358 p.

LABORATORIES—EQUIPMENT AND SUPPLIES

Automatic feeding trough for the conditioned response chamber. D.V.Lyzogubov, M.I.Nikiforov. Fiziol. zhur. 10 no.1;135-137 '64.

Device for dosage of gases soluble in water. V.M Kamnev. Lab delo no.7·447 '64

Portable device for the determination of vitamin A. L.V. Mozhin. Lab.delo no.7 446-447 '64

LABRADORITE see subdivision under Ukraine

LACQUER AND LACQUERING

Ukhanova, I.N. [Russian lacquers in the Hermitage collections] Russkie laki v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1964. 94 p. illus.

LACTAMS

Addition of mercaptans to N-vinyl and N-allylthiolactams. A.A.Avetisian, F.P.Sidel'kovskaia, R.M.Ispirian. Izv.AN SSSR.Ser.khim. no.7:1303-1308 Jl '64.

LACTIC ACID BACTERIA

Egorova, A.G., and others. [New strains of lactic acid bacteria for rye leaven preparation] Novye shtammy molochnokislykh bakterii rzhanykh zakvasok. Moskva, TSentr.in-t nauchno-tekhn.informatsii pishchevoi promyshl., 1963. 34 p.

[MICROFILM]

Homofermentative lactic acid fermentation in the presence of complementary hydrogen acceptors. V.N. Shaposhnikov, E.N.Krasil'nikova. Dokl.AN SSSR 157 no.4;968-971 Ag '64.

Isolation of diacetyl forming Str.lactis. V.M.Bogdanov. Sbor.ref nauch.rab VNIMP no.1.33-34 '55

Localization of hydrogenases and their relation to oxygen in cells of Lactobacterium pentoacetium. A I.Oparin, E.F.Kharat'ian, N S.Gel'man. Dokl.AN SSSR 157 no 1;211-214 Jl '64.

Studying the biochemical properties of Str.lactis. A.K. Maksimova. Sbor.ref.nauch.rab.VNIMP no.1:35-44 '55

LACTIC DEHYDROGENASES

Activity of lactic dehydrogenase in the blood plasma of rats following the administration of monoiodoacetic acid. N. V. [illegible] Biul. eksp. biol. i med. 55 [i.e. 56] no.10 49-50 O '63.

LADOGA, LAKE—DIVING, SUBMARINE

[illegible] V. Byrov. Voen vest. 44 no. 7:117-11[illegible] Jl '64

LADOGA, LAKE—TEMPERATURE

[illegible] the temperature of Ladoga Lake [illegible] Iz. Vses geog ob-va [illegible] 1 19 My-Je '64

LAKES

Chemical method of the transformation of lakes with respect to their use for fish culture, preliminary results and prospects for the future. E. V. Burmakin. Izv. GosNIORKH 55 7-17 '63

Theoretical prerequisites for the transformation of acid-otrophic lakes into eutrophic lakes. V. N. Abrosov. Izv. GosNIORKH 55 60-69 '63.

LAMAISM

Gerasimova, K. M. [Revival movement of the Buryat Lamaist clergy, 1917-1930] Obnovlencheskoe dvizhenie buriatskogo Lamaistskogo dukhovenstva. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1964. 178 p.

LAMBLIASIS see Giardiasis

LAMBS

Effect of ultraviolet rays on the growth of lambs. S. V Bulov, R. S Abrosimova. Trudy VIZH 25:207-211 '63

LAMELLIBRANCHIATA, FOSSIL see subdivision under Kugitangtau region

LAMINATED MATERIALS

Strength and sturdiness of bonded and bonded-screwed joints. V. M. Kirulev. Vest. TSNII MPS 23 no.4: 50-53 '64.

LAMINATED METALS

Production of seamless bimetal pipe V S Smorshchok Metallurg 9 no 5 29-31 My '64

LANATOSIDE

Effect of olitoriside and diglanide C on coronary circulation and myocardial oxygen requirement. G. N Lakoza. Farm. i toks. 26 no.5 589-594 S-O '63.

LAND TENURE

(see also subdivision under Jordan; Olonets Government, Turkey)

The agrarian question in Russia in the interpretation of contemporary bourgeois historiography V T Pashuto Vop ist 39 no 7 88-105 Jl '64.

Nemtsev, S. M. [Agrarian relations in modern capitalism and the impoverishment of the peasantry; a lecture delivered at the Rostov Higher Party School. Textbook for the students of the Correspondence Higher Party School attached to the Central Committee of the CPSU] Agrarnye otnosheniia v sovremennom kapitalizme i obnishchanie krest'ianstva; lektsiia, prochitannaia v Rostovskoi Vysshei partiinoi shkole. Uchebnoe posobie dlia slushatelei ZVPSh pri TsK KPSS. Rostov-na-Donu, Rostovskaia Vysshaia partiinaia shkola, 1963. 52 p. [MICROFILM]

LAND TENURE—LAW

Abykeeva, A T. [Land law in the first year of Soviet rule, 1917-1918] Zemel'noe pravo v pervyi god Sovetskoi vlasti (1917-1918 gg.) Voronezh, Izd-vo Voronezhskogo univ , 1960. 43 p. [MICROFILM]

Pervushin, A. G. [Collection of problems in Soviet labor law, law on collective farms and land law; textbook for students of agricultural schools of higher learning] Sbornik zadach po sovetskomu trudovomu, kolkhoznomu i zemel'nomu pravu, uchebnoe posobie dlia sel'skokhoziaistvennykh vuzov. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 160 p.

LANDFORMS

(see also subdivision under Baikal Lake region; Balkhash Lake region, Caucasus; Todzha Depression)

Relicts of polygon ground and polygonal manifestation in the central regions of the European part of the U.S.S.R. N.A.Treskin. Biul.Kom.chetv.per. no.29: 168-170 '64.

LANDING OPERATIONS

Solve this problem. A landing company destroys an objective in the rear of the enemy. Voen.vest. 43 no.4:44 Ap '64.

LANDSLIDES

Calculating resistance to landslides. Transp.stroi. 14 no 1 60-61 Ja '64

LANGUAGE AND LANGUAGES

Akademiia nauk SSSR. Institut iazykoznaniia. [Basic trends of structuralism] Osnovnye napravleniia strukturalizma. Moskva, Izd-vo "Nauka," 1964. 358 p.

Akademiia nauk SSSR. Institut russkogo iazyka. [Transformational method in structural linguistics] Transformatsionnyi metod v strukturnoi lingvistike. Moskva, Izd-vo "Nauka," 1964. 180 p.

Application of some new methods in works on general and Slavic dialectology. T. M. Sudnik, S M. Shur Vop. iaz. 12 no.4 115-119 Jl-Ag '63.

Brief news Vop iaz. 12 no.4 150-159 Jl-Ag '63.

External and internal linguistic factors in the function and development of language O S. Akhmanova, V. Z. Panfilov. Vop iaz. 12 no.4 45-57 Jl-Ag '63.

What the scholars are working on Vop. iaz. 12 no 4 147-150 Jl-Ag '63.

LANGUAGE AND LANGUAGES—PERIODICALS

Discussion of the work of the journal "Voprosy iazykoznaniia", at the meeting of the Bureau of the Department of Literature and Language Vest AN SSSR 34 no 7 57-59 Jl '64

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Chistiakova, T. A., E. M. Chernushenko, and G. I. Solina. [Study of foreign languages in kindergartens, a teachers' manual] Obuchenie inostrannym iazykam v detskikh sadakh, posobie dlia uchitelei. Pod red. V. S. TSetlin, M. L. Vaisburd, A. A. Mirolіubova. Moskva, Prosveshchenie, 1964. 294 p. tables (insert)

Criterium and norms in grading foreign language students in grades 5-11 IE D. Abramova, N. I. Khokhlova. Rad. shk 42 no 4.103-106 Ap '64

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; foreign languages] Programmy vos'miletnei shkoly; inostrannye iazyki Moskva, Prosveshchenie, 1964. 43 p.

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; foreign languages: English, German, and French, for grades 9-11] Programmy srednei shkoly na 1964/65 uchebnyi god, inostrannye iazyki: angliiskii, nemetskii, frantsuzskii. IX-XI klassy. Moskva, Prosveshchenie, 1964. 24 p.

LANTHANIDES see Rare earths

LAOS—POLITICS AND GOVERNMENT

Soviet proposal for a new international conference on Laos Nov vrem 22 no 31 4-5 Jl '64

LARCENY

Feofanov, O. A. [Secrets of the golden frame] Tainy zolotoi ramy. Moskva, Politizdat, 1964. 62 p.

LARCH see subdivision under Lena Valley; Olenek Valley

LARKSPUR

Larkspur Delphinium confusum M. Pop., a new medicinal plant. V. B. Kuvaev, M. I. Vlasov, I. A. Gubanov. Bot. zhur. 49 no.7:997-1002 Jl '64.

LARVAE—FISHES

Determination of the coefficient of survival of fish larvae in specially conditioned lakes. V. V. Gulin. Izv. GosNIORKH 55:115-123 '63.

LARVAE—INSECTS

Characteristics of the structure of the mouth parts in coleopterous larvae feeding on plants. B. R Striganova. Zool zhur 43 no.4:560-571 '64

Larvae of fleas of the family Ctenophthalmidae. Report No 4. A. N. Kir'iakova. Zool. zhur. 43 no.4 572-580 '64

Larvae of some species of grass flies of the genus Chlorops Mg. (Diptera, Chloropidae) in the European part of the U. S. S. R. M. I Zhabinskaia. Ent. oboz. 42 no.4:924-934 '63

LASERS

Applications of lasers. Radio no.1:58-59 Ja '64.

Induced radiation of atoms moving in the field of a strong stationary wave. S. G. Rautian, T. A. Germogenova. Opt. i spektr. 17 no.2:157-167 Ag '64.

A laser based on Raman scattering. V. S. Mashkevych. Ukr. fiz zhur. 8 no.9:1032-1035 S '63.

Lasers. V. Nadin. Voen. znan. 40 no.7:35-36 Jl '64.

Nonlinear optical properties of a three-level system in a resonator with several modes. V. S. Mashkevych. Ukr fiz. zhur. 8 no.9:1035-1038 S '63.

Self-consistent heating of a plasma by the emission from a laser. O. N. Krokhin. Zhur. tekh. fiz. 34 no.7: 1324-1327 Jl '64

LASERS—BIBLIOGRAPHY see Bibliography—Lasers

LASTOVICKA, BOHUSLAV, 1905-

People and events. Bohuslav Lastovicka. Nov. vrem. 22 no.31.17 Jl '64.

LASTRA, ALEJANDRO, 1902-

People and events: Etsusaburo Shiina, U Ba Saw, Alejandro Lastra. Nov. vrem. 22 no.32 9,15,21 Ag '64

LATHES

Modernization of the clamping mechanism of an automatic turret lathe. V T. Korovin Mashinostroitel' no 6 17 Je '64

Modernization of the rod gripping device of the 1A112 automatic lathe. V. T. Korovin. Stan. i instr. 35 no.6:42 Je '64.

New machine tools. Stan i instr. 35 no.6:42 Je '64.

LATHES—ELECTRIC DRIVING

Flexible coupling of the electric motor with the lathe rest IA S Liubinskii, IU A. Shilov. Mashinostroitel' no 6 17 Je '64

LATHES—VIBRATION

Vibration damper designed by lathe-operator Alekhin M. V. Krasil'nikov Stan. i instr 35 no 6:41 Je '64

LATIN AMERICA—ECONOMIC CONDITIONS

"Invisible Yankee empire", book review. V. Sidorov. Nov. vrem. 22 no.34:30-32 Ag '64.

Problems concerning the economic independence of Latin American countries, scientific conference. II S Nikiforov. Vest AN SSSR 34 no 7 115-116 Jl '64.

LATIN AMERICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Aid? No, enslavement I Sheremet'ev. Nov. mir 40 no 4.266-268 Ap '64.

LATIN AMERICA—INVESTMENTS, AMERICAN

"Invisible Yankee empire"; book review. V. Sidorov. Nov. vrem. 22 no.34:30-32 Ag '64.

LATIN AMERICA—PETROLEUM INDUSTRY

Petroleum and independence. S. Mikhailov. Mezhdunar zhizn' 11 no.9:133-134 S '64.

LATIN AMERICA—POLITICS AND GOVERNMENT

Akademiia nauk SSSR. Institut Latinskoi Ameriki. [Liberation movement in Latin America] Osvoboditel'noe dvizhenie v Latinskoi Amerike. Moskva, Izd-vo "Nauka," 1964. 426 p.

LATIN AMERICA—RELATIONS (GENERAL) WITH RUSSIA

Fiftieth anniversary of the Russian scientific expedition to Latin America. B. V. Lukin Vest. AN SSSR 34 no 6 107-109 Je '64.

LATIN AMERICA—SOCIAL PROBLEMS

Akademiia nauk SSSR. Institut Latinskoi Ameriki. [Liberation movement in Latin America] Osvoboditel'noe dvizhenie v Latinskoi Amerike. Moskva, Izd-vo "Nauka," 1964. 426 p.

LATITUDE

A possible criterion for evaluating the precision of latitude observations. V. V. Nesterov. Soob. GAI 41 no.134:30-32 '64.

LATITUDE VARIATION see subdivision under Moscow

LATTICE THEORY

Precision measurement of the lattice spacing under conditions of broadened interference lines IA. M. Golovchiner. Zav. lab. 30 no.6:707-712 '64.

LATVIA—AFFORESTATION

Planting in clusters in the afforestation of heathlands in Latvia. K. IA. Avotin-Pavlov. Agrobiologiia no.1 120-125 Ja-F '64.

LATVIA—AGRICULTURE

Use of land evaluation materials in the analysis of the agricultural activities on the collective farms of the Latvian S.S R. A. IA. Boruk, R. IA. Stalbov. Pochvovedenie no.7:23-28 Jl '64.

LATVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Style and methods of a committee's party work. E. Bogaev. Part. zhizn' no.15:46-52 Ag '64.

LATVIA—CONCENTRATION CAMPS

Sausnitis, K., ed. [In the death camp of Salaspils. Translation from the Latvian, of the 2d., enlarged edition] V Salaspilsskom lagere smerti. Riga, Latviiskoe gos. izd-vo, 1964. 386 p.

LATVIA—FERTILIZERS AND MANURES

Mapping trace element contents of soils on a collective farm and estimating the effectiveness of the use of fertilizers. J. Peive and others. Pochvovedenie no 7: 1-9 Jl '64.

LATVIA—HEATHER

Planting in clusters in the afforestation of heathlands in Latvia. K. IA. Avotin-Pavlov Agrobiologiia no.1:120-125 Ja-F '64.

LATVIA—MEDICINE

Vasil'ev, K. G., and F. F. Grigorash. [Essays on the history of medicine and public health in Latvia] Ocherki istorii meditsiny i zdravookhraneniia Latvii. Moskva, Meditsina, 1964. 216 p.

LATVIA—POLITICS AND GOVERNMENT

Latvian S. S. R. Augstaka Padome. Prezidija. [Latvian S. S. R.; administrative territorial division] Latvijas PSR, administrativi teritorialais iedalijums. Riga, Latvijas Valts Izd-ba, 1964. 146 p. (DBC)

LATVIA—PUBLIC HEALTH

Vasil'ev, K. G., and F. F. Grigorash. [Essays on the history of medicine and public health in Latvia] Ocherki istorii meditsiny i zdravookhraneniia Latvii. Moskva, Meditsina, 1964. 216 p.

LATVIA—SOILS

Use of land evaluation materials in the analysis of the agricultural activities on the collective farms of the Latvian S.S.R. A.IA.Boruk, R.IA Stalbov. Pochvovedenie no 7,23-28 Jl '64.

LATVIA—THEATER

Living wine of poetry. E.Rakitina. Teatr 24 no.8:19-21 Ag '63

LATVIA—TRACE ELEMENTS

Mapping trace element contents of soils on a collective farm and estimating the effectiveness of the use of fertilizers. J Peive and others. Pochvovedenie no.7:1-9 Jl '64.

LATVIA—TURPENTINING

Tree tapping under conditions of widely scattered wood clearings. A.B.Vasilevskii. Gidroliz.i lesokhim.prom 17 no.3,27 '64.

LAUGHTER

Laughter as an equivalent of epilepsy. L.N.Pines. Zhur.nevr.i psikh 63 no.9,1341-1346 '63.

LAW

Cases in prosecutorial supervision. Sots.zakon. 41 no.4:73-75 Ap '64.

Our answers to questions. Sov.iust. 28 no.7:30 Ap '64

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—*CASES*

[Bulletin of the Supreme Court of the R.S.F.S.R.] Biul. Verkh Suda RSFSR no 8 '64.

LAW—CODIFICATION

Koretskii, V.I. [Problems of the codification of Soviet water law] Voprosy kodifikatsii sovetskogo vodnogo zakonodatel'stva. Stalinabad, Tadzhikskii univ., 1961. 38 p.

[MICROFILM]

LAW—INTERPRETATION AND CONSTRUCTION

A.S.Pilogkin's "Construction of norms in legislative enactments in the U.S.S.R." P.S.Dagel', P.F.Eliseikin. Sov.gos.i pravo 34 no.7:154-156 Jl '64.

LAW—METHODOLOGY

Certain problems concerning legal norms and enactments of norms in the Soviet all-people's law. A.F.Shebanov. Sov.gos i pravo 34 no 7:96-106 Jl '64

LAW—PERIODICALS

Our journal and our readers. Sots.zakon 41 no.4:94-96 Ap '64.

LAW—PHILOSOPHY

Matching rights and duties in Soviet law. D.M.Genkin. Sov.gos.i pravo 34 no.7:27-38 Jl '64.

LAW—STUDY AND TEACHING see subdivision under Leningrad; Moscow

LAW AND COMMUNISM

Problems of law in the program of the Communist Party of the Soviet Union. P.S.Dagel', P.F.Eliseikin. Uch.zap.Dal'nevost.gos.un. no.6:3-38 '62.

LAW ENFORCEMENT

A meeting at the Central Committee of the CPSU. *Sots.zakon.* 41 no.4:2-3 Ap '64.

LAWYERS see subdivision under Leningrad

LAZARUS, Saint, Prince of Serbia, ca 1329-1389

Saint Lazarus, Prince of Serbia. N.Novosad. Zhur.Mosk.Patr. no.7:67-70 '64.

LEACHING

Behavior of bismuth tellurides and selenides during saline leaching. R G Azerbaeva, A.L.TSeft. Trudy Inst met i obog.AN Kazakh.SSR 8:65-71 '63

Possibility of mining blocks by the underground leaching method. A.N.Velichkin. Trudy Inst.gor.dela AN Kazakh.SSR 12:159-163 '63.

Role of potassium in the leaching of nepheline rocks M M Gol'dman and others Trudy Inst.met i obog. AN Kazakh.SSR 8 72-76 '63.

Soil leaching norms established on the basis of the operation of the Mugan (Dzhafarkhan) closed drainage. E.I.Zdobnov. Dokl.AN Azerb.SSR 20 no.5:47-51 '64.

LEAD—ANALYSIS

Determination of lead ions with quinalizarin. A.F.Nemirovskaia. Trudy NPI 143:45-53 '63.

LEAD COMPOUNDS

Crystal structure of RPb_3 compounds in the *systems* rare-earth metal-lead. IU.B.Kuz'ma, R.V.Skolozdra, V.IA.Markiv. Dop.AN URSR *no.8*:1070-1072 '64.

New lead-containing perovskite compounds of complex composition. IU.N.Venevtsev and others. Dokl.AN SSSR 158 no.1:86-88 S-O '64.

LEAD FLUORIDE

Growing corundum crystals from the solution in a melt of lead fluoride. V.A.Timofeeva, R.A.Voskanian Kristallografiia 8 no.2:293-296 Mr-Ap '63

LEAD ISOTOPES

Characteristics of the variation of the isotopic composition of lead in the deposits of certain regions. K K Zhirov. Dokl.AN SSSR 158 no.1:126-129 S-O '64.

LEAD OXIDES

X-ray diffraction phase analysis of mixtures of PbO_2 modifications N N.Fedorova and others. Zav lab 30 no.6 727-728 '64

LEAD PLATING

Effect of additions on the electrodeposition of lead from a pyrophosphate electrolyte. M.A.Loshkarev, T.F. D'iachenko. Trudy DKHTI no.16:27-34 '62.

LEAD SELENIDES—MAGNETIC PROPERTIES

Thermomagnetic and magnetic properties of lead selenide. IA.S.Budzhak, K.D.Tovstiuk. Izv.AN SSSR. Ser.fiz. 28 no.8:1318-1320 Ag '64.

LEAD SULFIDE—PHOTOELECTRIC PROPERTIES

Excess conductivity of photosensitive films of lead sulfide. V.P.Kovbasiuk, N.S.Chorna. Ukr.fiz.zhur 8 no.9 1030-1032 S '63.

LEAD SULFIDE CRYSTALS—GROWTH

Growing lead sulfide single crystals by Tamman's method. B A.Kazennov. Rost krist. 4:101-111 '64.

LEAD TELLURIDE CRYSTALS

Impurity levels in p-lead telluride crystals. P.M. Starik, P.I.Voroniuk. Izv.AN SSSR.Ser.fiz. 28 no.8,1321-1322 Ag '64

LEAD-TIN ALLOYS—THERMOELECTRIC PROPERTIES

Thermo-e.m.f. in liquid alloys of the system lead - tin. IA.I.Dutchik, O.P.Stets'kiv, P V.Panasiuk Fiz.met.i metalloved. 17 no 4 609-612 Ap '64

LEAF BEETLES see subdivision under Kazakhstan

LEAF ROLLERS see subdivision under Moscow region

LEAGUE OF NATIONS

International legal aspects of governmental cooperation in the economic and social fields; based on the League of Nations materials. E.S.Pchelintsev. Uch.zap.IMO no.10:177-217 '63.

LEAST SQUARES

Analytical representation of the atomic factors of scattering for electrons. F.A.Brusentsev, V.F.Dvorlankin. Kristallografiia 8 no.2:260-263 Mr-Ap '63.

Iterative solution of normal equations. V.P.Kozlov Izv.vys ucheb.zav ; geod.i aerof. no 5:39-49 '63.

LEATHER

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Flexible footwear] *Gibkaia obuv'. Moskva, 1962. 38 p.*

[MICROFILM]

LEATHER—TESTING

Effect of melamine-formaldehyde resins on the wear resistance of leather. D.A.Kutsidi, I.P.Strakhov. Kozh.-obuv.prom. 6 no.7:15-20 Jl '64.

Relation between wear resistance and heat resistance of leather as a natural polymeric material. G.I. Kutianin. Dokl.AN SSSR 156 no.6,1432-1435 Je '64.

LEATHER, ARTIFICIAL

Artificial leather in rolls with a nonwoven base for the shoe uppers of summer footwear. M.Kh.Bernshtein and others. Kozh.-obuv.prom. 6 no.7:20-23 Jl '64.

Use of artificial leather in the manufacture of clothing. Z.I.Anoshina. Shvein.prom. no.2:31-32 Mr-Ap '64.

LEATHER INDUSTRY see subdivision under Volga-Vyatka Economic region

LEATHER INDUSTRY—PERIODICALS

Readers' comments on the journal. N.Kuznetsova. Kozh.-obuv.prom. 6 no.7:43-44 Jl '64.

LEATHER RESEARCH

S [illegible]

facture of Shoe Upper Leather *from Pigskins* and Dewooled Sheepskins] Rekomendatsii. Moskva, TSent. nauchno-issl. in-t kozhevenno-obuvnoi promyshl., 19 6 p.

[MICROFILM]

LEAVES

Diversity of forms and the anatomic structure of leave [illegible]

Effect of different illumination conditions on the anatomicomorphological structure of radish leaves. L.A. Khodorenko, I.A.Shil'gin. Nauch.dokl.vys.shkoly; biol.nauki no.3:149-153 '64.

LEAVES—ANATOMY

Anatomic characteristics of leaves as an indicator of the photophily of plants H.I.Marhailik Vestsi AN BSSR.Ser.biial nav. no 4:19-27 '63

LEAVES—OPTICAL PROPERTIES

Spectral properties of plant leaves. V P.Bedenko Trudy Inst.bot.AN Kazakh SSR 16:166-193 '63.

LEAVES—SPECTRA

Relation between the state of chlorophyll and electron paramagnetic resonance spectra in plant leaves. G.T. Rikhireva, A.A Krasnovskii, L.P Kalushin. Dokl.AN SSSR 156 no.6:1451-1454 Je '64.

LECTURES AND LECTURING

On the agenda. Mezhdunar.zhizn' 11 no.9:160 S '64.

LEECHES

Geographical distribution of two southern Palaearctic species of leeches, Batracobdella algira (Moq.-Tand.) and Herpobdella stschegolewi Lukin et Epstein. E.I. Lukin, V.M.Epshtein. Zool.zhur. 43 no.4:607-609 '64.

LEFEBVRE, HENRI, 1901-

"The sum total and the remainder," or the balance of a renegade B.E.Bykhovskii Vop.filos 18 no.7,112-122 '64

LEG—INNERVATION

Morphology of the nervous apparatus and experimental morphological analysis of innervation of the popliteal lymph nodes. I.I.Kagan. Arkh.anat.,gist.i embr. 43 no.8:64-68 Ag '62.

LEGENDS

History and poetry. G.Fedorov. *Nov.mir* 40 no.2:275-278 F '64.

LEGENDS, KAZAKH

The "Baiterek" of the Ukraine. G.Musrepov. Komm. Ukr. 40 no.3 59-62 Mr '64.

LEGISLATION

Certain theoretical problems concerning the participation of the public in the Soviet legislative process. N.D. Abdullaev. *Vest.LGU 19 no.11:123-126 '64.*

LEGISLATIVE BODIES

The new program of the CPSU and certain problems of developing Soviet democracy in the autonomous republics. A.M.Khalilov. Uch.zap.Dal'nevost.gos.un. no.6:39-59 '62.

LEGUMES

Koz'mina, E.P. [Technological characteristics of groats and pulse crops] Tekhnologicheskie svoistva krupianykh i zernobobovykh kul'tur. Moskva, TSINTI GOSKOMZAGA, 1963. 203 p.

[DNAL MICROFILM]

Legumes as irrigated stubble crops. IU.K.Kudzin, A.I Dolodarenko. Zemledelie 26 no.6:74-78 Je '64

LEGUMES—FERTILIZERS AND MANURES

"Fertilizing grain and pulse crop

LJ

Second World War, 1939-1941] Anglo-amerikanskie otnosheniia v gody Vtoroi Mirovoi voiny, 1939-1941 gg. Moskva, Izd-vo "Nauka," 1964 452 p

LENIN, VLADIMIR IL'ICH, 1870-1924

Among Polish friends Z Aleksandrova Kommunist 41 no 10 122-124 Jl '64

Beginning of the path autobiographical statements of V.I. Lenin (1886-1893) Nov mir 39 no 4:156-171 Ap '63

Books of recollections about V.I. Lenin R.M Savitskaia. Vop.ist.KPSS 8 no.8 111-114 Ag '64.

Conversation with Vladimir Il'ich G.Sofronov Voen.-ist.zhur 5 no.4:52-55 Ap '63.

Fine beginning. P.I.Voevodin. Vop.ist.KPSS 8 no.8. 124-128 Ag '64

Gorkiy in 1922. L.Fotieva. Oktiabr' 40 no.4.5-20 Ap '64.

Guidebook to Lenin's military works. P Dmitriev. Voen.vest. 43 no.4.124-125 Ap '64.

Important principal of the building of communism G Anisimov Nov mir 39 no 4 268-271 Ap '63

Ivanskii, A.I. [Young Lenin, a story in documents and memoirs] Molodoi Lenin, povest' v dokumentakh i memuarakh. Moskva, Politizdat, 1964. 758 p.

Klochko, V.F. [V.I. Lenin's book "One step forward, two steps back"] O knige V.I. Lenina "Shag vpered, dva shaga nazad." Moskva, Politizdat, 1964. 44 p. (Konsul'tatsii po istorii KPSS)

Living Leninist features. B.IAkovlev. Nov mir 40 no 1 264-267 Ja '64

Something new on Il'ich. V.Zevin. Oktiabr' 40 no.4: 187-188 Ap '64.

Teacher, tutor and friend. N.Mutovkin. Komm. Vooruzh. Sil 4 no.7 18-23 Ap '64.

V.I. Lenin and the founding of centers of party historical study. E.N.Gorodetskii. Vop.ist.KPSS 8 no.8 17-28 Ag '64.

V I Lenin on observing the law in institutions of correctional labor V.Brovin. Sots zakon 41 no.4:41-43 Ap '64

V.I. Lenin on the physical hardening of revolutionaries. G.S.Demeter. Teor.i prak.fiz.kul't. 27 no.4 7-11 Ap '64.

V.I. Lenin on the possibilities of a peaceful development of the revolution at the moment of the liquidation of the Kornilov mutiny. N.F.Slavin. Uch.zap Petrozav gos un 11 no.1.3-22 '62

V.I. Lenin's exposure of "left" sectarianism during the First World War. IA.G.Temkin. Vop.ist.KPSS 8 no.8:3-16 Ag '64.

V.I. Lenin's new documents: Corrections and comments on the draft of the declaration of the Soviet delegation to the Genoa Conference on March 23, 1922. Address at the Moscow Province Agricultural Congress on November 29, 1921 Directives on motion pictures A letter to the leaders of the Social Democratic Party of Germany. Komm Ukr 39 no 5:3-7 My '64

Valuable finds. Lev Razgon. Nov.mir 39 no.4:265-268 Ap '63

LENIN, VLADIMIR IL'ICH, 1870-1924—MONUMENTS

Lenin spoke here S.Kudelin Nar.obr. no.8:98 Ag '64.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC.

Moscow. TSentral'nyi muzei V.I. Lenina. Leningradskii filial. [Guidebook to the Leningrad Branch of the V.I. Lenin Museum] Putevoditel'. [Leningrad] Lenizdat, 1964. 326 p

LENINGRAD—ARCHAEOLOGICAL RESEARCH

Alishan and the Petersburg Archaeological Society. S.A.Shtikian. Izv.AN Arm.SSR Obshchestv.nauki no.2:79-82 F '64.

LENINGRAD—ART GALLERIES AND MUSEUMS

Leningrad. Ermitazh. [The State Hermitage; paintings] Gosudarstvennyi Ermitazh; zhivopis'. Moskva, Izogiz, 1963. [6] p. 50 plates. [In Russian, English, French, and German]

LENINGRAD—BREAST—DISEASES

Puerperal mastitis and its clinical course under conditions of mass immunization with staphylococcal anatoxin; from data of obstetrical and surgical hospitals and polyclinics in Leningrad. L.N.Granat. Akush.i gin. 40 no.1:25-27 Ja-F '64.

LENINGRAD—CATHEDRALS

Fence of cannons N Zudov. Starsh.-serzh no.7:28-29 Jl '64.

LENINGRAD—CIVIL DEFENSE

Exercises are in progress. Voen.znan. 40 no.7:18 Jl '64.

LENINGRAD—CLOTHING INDUSTRY

Experience in the partial mechanization of the "Bol'shevichka" Clothing Factory in Leningrad. N.S.Novikov. Shvein.prom. no.2:26-27 Mr-Ap '64.

91-92 Ja '64

Letter from Leningrad. M.Bialik. Sov.muz. 28 no.2 101-103 F '64

LENINGRAD—CONVEYING MACHINERY

At the Kirov Hoisting and Conveying Machinery Plant. A.I Goncharov. Mashinostroitel' no 7:21-23 Jl '64

LENINGRAD—DISABILITY EVALUATION

Specialization is the basic method M.Melikova Sots. obesp 24 no 12 32-34 D '63

LENINGRAD—DISEASES—REPORTING

Organization of the disinfection service in Leningrad. V A Miniaev, G IA Zmeev V V.Efremov. Zdrav Ros Feder. 8 no 1 5-9 Ja '64.

LENINGRAD—DISINFECTION AND DISINFECTANTS

Organization of the disinfection service in Leningrad. V.A Miniaev, G IA Zmeev, V.V Efremov Zdrav Ros Feder 8 no 1 5-9 Ja '64

LENINGRAD—FACTORIES—DESIGN AND CONSTRUCTION

Designing shops at the Kirov Plant. A N.Kvetnyi Biul stroi.tekh 20 no 12 41 D '63

LENINGRAD—HISTORY

Akademiia nauk SSSR. Institut istorii. Leningradskoe otdelenie. [Lenin's city in the days of the October Revolution and in the Great Patriotic War of 1941-1945] Gorod Lenina v dni Oktiabria i Velikoi Otechestvennoi voiny, 1941-1945 gg., sbornik statei. Moskva, Izd-vo "Nauka," 1964. 206 p.

LENINGRAD—HOISTING MACHINERY

At the Kirov Hoisting and Conveying Machinery Plant A I.Goncharov. Mashinostroitel' no.7:21-23 Jl '64.

LENINGRAD—HOSPITALS—FURNITURE, EQUIPMENT, ETC.

Processing inventory data of medical institutions. V.N. Ivakina Zdrav Ros Feder 8 no 1:34-37 Ja '64

LENINGRAD—HYDROLYSIS

Our work experience. S.F.Borisevich. Gidroliz.i lesokhim.prom. 17 no.3:20-21 '64.

LENINGRAD—LAW—STUDY AND TEACHING

Propagandists of Soviet legality. IU.Naumov. Agitator no.10:57 My '64.

LENINGRAD—LAWYERS

Propagandists of Soviet legality. IU.Naumov. Agitator no.10:57 My '64.

LENINGRAD—MAPS—COLLECTION AND PRESERVATION

The largest depository of maps and atlases; on the 150th anniversary of the M E Saltykov-Shchedrin Public Library I I Kodes Izv.Vses geog ob-va 96 no.3 169-175 My-Je '64

LENINGRAD—MEDICAL COLLEGES

I.M.Sechenov's first period of activities at the Medico-Surgical Academy in Petersburg (March 1860-April 1862). E.M.Baturina. Fiziol.zhur. 49 no.11:1385-1387 N '63.

LENINGRAD—MILITARY MUSEUMS

Catalogue of an artillery historical museum. E.Myshkovskii. Voen.-ist.zhur. 5 no.4:103-104 Ap '63.

LENINGRAD—OPERA

Second birth of an opera. A Kenigsberg. Sov.muz. 28 no.1 51-55 Ja '64.

LENINGRAD—PHYSICALLY HANDICAPPED—REHABILITATION

Let's not retreat before difficulties. M.Borovikova, N.Ivanov. Sots.obesp. 24 no.12:37-38 D '63.

Specialization is the basic method. M.Melikova. Sots obesp. 24 no.12:32-34 D '63.

LENINGRAD—PRISONS—LAWS AND REGULATIONS

V.I.Lenin on observing the law in institutions of correctional labor V.Brovin Sots zakon 41 no.4:41-43 Ap '64

LENINGRAD—PUERPERAL SEPTICEMIA

Puerperal mastitis and its clinical course under conditions of mass immunization with staphylococcal anatoxin; from data of obstetrical and surgical hospitals and polyclinics in Leningrad. L.N.Granat. Akush.i gin. 40 no.1:25-27 Ja-F '64.

LENINGRAD—STAPHYLOCOCCAL DISEASE—PREVENTIVE INOCULATION

Puerperal mastitis and its clinical course under conditions of mass immunization with staphylococcal anatoxin; from data of obstetrical and surgical hospitals and polyclinics in Leningrad. L.N.Granat. Akush.i gin. 40 no.1:25-27 Ja-F '64.

LENINGRAD—SUBWAYS—DESIGN AND CONSTRUCTION

Construction of a new section of the Leningrad subway. IU.F. Solov'ev. Transp.stroi 13 no.10:19-22 O '63.

18 Ag '63.

Russia (1917- R.S.F.S.R.) Ministerstvo kul'tury. [Leningrad State Theater of Comedy] Leningradskii gosudarstvennyi teatr komedii. Leningrad, 1964. 40 p. illus.

LENINGRAD ECONOMIC REGION—PRODUCTION STANDARDS

Further improvement in establishing work norms is an important condition for developing the socialist production, using the example of the Leningrad Economic Council. V.I.Kotelkin. Vest.LGU 19 no.1:41-47 '64.

LENINGRAD GAS FIELD—ROCKS—ANALYSIS

Investigating the gas reservoir rocks of the Leningrad gas field. V.G.Khel'kvist. Trudy VNIIGAZ no.20/28:166-200 '64.

LENINGRAD PROVINCE—AGRICULTURAL CHEMISTRY

Voluntary organization for the introduction of a wide use of chemicals. S.Rozanov. NTO 6 no.6:8 Je '64.

LENINGRAD PROVINCE—APPLE—DISEASES AND PESTS

Rowan moth Argyresthia conjugella Zell. (Lepidoptera, Hyponomeutidae) as a pest of apple and rowan fruits Z.G.Belosel'skaia. Ent oboz. 42 no 4 720-729 '63

LENINGRAD PROVINCE—COMMUNIST YOUTH LEAGUE

The man with a gun. A.Makunin. Mol.komm. no.2:21-24 F '64.

LENINGRAD PROVINCE—CONODONTS

Stratigraphic significance of Lower Ordovician conodonts in Leningrad Province. S.P.Sergeeva. Vest.LGU 19 no.12:56-60 '64.

LENINGRAD PROVINCE—CONSTRUCTION INDUSTRY

This is the active propaganda A.Kublanov Sov.profsoiuzy 20 no.14:11-13 Jl '64

LENINGRAD PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES

Growing corn with the use of pelleted mixed organic-mineral fertilizers in Leningrad Province. S V.Zubkova. Biul.nauch.-tekh.inform.po agron.fiz. no.5/6:40 41 '59.

LENINGRAD PROVINCE—MINING ENGINEERING

Characteristics of the manifestation of rock pressure during chamber and longwall mining in mines of the "Slantsy" Combine. V.B.Beskaravainyi. Zap.LGI 48 no.1:43-50 '63.

LENINGRAD PROVINCE—MOTHS

Rowan moth Argyresthia conjugella Zell. (Lepidoptera. Hyponomeutidae) as a pest of apple and rowan fruits Z.G.Belosel'skaia. Ent.oboz. 42 no.4:720-730 '63

LENINGRAD PROVINCE—ONCOLOGICAL SOCIETIES

Minutes of the Scientific Society of the Oncologists of Leningrad and Leningrad Province for meeting 73, on December 6, 1962. S.A.Kholdin, L.IU.Dymarskii. Vop.onk. 9 no.6:131-132 '63.

LENINGRAD PROVINCE—ROWAN—DISEASES AND PESTS

Rowan moth Argyresthia conjugella Zell. (Lepidoptera, Hyponomeutidae) as a pest of apple and rowan fruits Z.G.Belosel'skaia. Ent.oboz. 42 no.4:720-740 '63

LENINGRAD PROVINCE—TEXTILE INDUSTRY

Standardizing the stocks of goods and reducing marketing time in the consumer goods trade. E.A.TSelykovskaia, L.P.Fedorova. Vest.LGU 19 no.11:18-27 '64.

LENINGRAD PROVINCE—THUNDERSTORMS

Frequency distribution of thunderstorms in Leningrad Province in 1962. A.I.Astashenko. Trudy GGO no.157:68-80 '64.

LENINGRAD PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Karavaev, S.P. [The Volkhov Partisan Brigade] Volkhovskaia partizanskaia. Moskva, Voenizdat, 1964. 63 p. (Geroicheskoe proshloe nashei Rodiny)

LENINGRAD REGION—SYRPHUS FLIES

Ecology of the onion bulb fly Eumerus strigatus Fall (Diptera, Syrphidae). Sh.M.Zabirov. Ent.oboz. 42 no.4:736-743 '63.

LENINSK-KUZNETSKIY (KEMEROVO PROVINCE)—INSURANCE, SOCIAL

His work is approved. A.Berezin. Sots.obesp. 24 no.12:14-15 D '63.

LENKORAN' REGION (AZERBAIJAN)—TEA

Catechins of a green tea leaf of the Lenkoran' region of the Azerbaijan S.S.R. F.G.Nokhmedov. Dokl.AN Azerb.SSR 19 no.9:63-68 '63.

LEONTII, Saint, Bishop of Rostov, d. ca 1073

Saint Leontii, Bishop of Rostov. Archbishop Leonid Zhur.Mosk.Patr. no.6:66-68 '64.

LEPIDINE

Preparation of lepidine and its derivatives from aromatic amines and Mannich bases. B.I.Ardashev, E.Sh. Kagan. Zhur.ob.khim. 34 no.7:2228-2230 Jl '64.

Synthetic dyes. Part 39: Condensation of 1-aryl lepidinium salts with Michler ketone and auramine. G.T.Pilıugin, B.M.Gutsuliak, IA.O.Gorichok. Zhur. ob.khim. 34 no.7:2412-2416 Jl '64.

LEPIDOPTERA

Degtiareva, V.I. [Main lepidopteran pests of trees and shrubs in the Gissar Range and the Gissar Valley] Glavneishie vrednye cheshuekrylye drevesno-kustarnikovoi rastitel'nosti TSentral'noi chasti Gissarskogo khrebta i Gissarskoi doliny (Lepidoptera). Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1964. 240 p.
(DNAL)

LEPTOSPIRA—HOST ANIMALS

Antigenic structure of leptospirosis agents with respect to the ecology of basic host animals. A.A.Varfolomeeva, M.IA.Lavrova. Biul.MOIP.Otd.biol. 68 no.3:14-20 My-Je '63.

LEPTOSPIROSIS

Changes in the blood of cattle infected with leptospirosis. B.F.Moroshkin, A.A.Kostina, E F Ivanskii Veterinariia 41 no.4:42-43 Ap '64

Etiology and epizootiology of the leptospirosis of farm animals in the Armenian S.S.R. S V.Rostomian Veterinariia 41 no 4:43-45 Ap '64.

Some characteristics of the course of leptospirosis in swine. A.M.Kuznetsova. Veterinariia 41 no 4:45-46 Ap '64.

LEPTOSPIROSIS—PREVENTIVE INOCULATION

Effectiveness of the vaccination of swine against leptospirosis. G M.Butuzov. Veterinariia 41 no 4 46-47 Ap '64.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Andronikov, I.L. [Stories of a literary scholar] Rasskazy literaturoveda. Oformlenie O.G.Vereiskogo. Moskva, Gos. izd-vo detskoi lit-ry, 1962. 142 p. (Shkol'naia biblioteka)
(CtW)

LETTERS OF CREDIT

Letter of credit in international accounts. A. Al'tshuler L. Volkov. Vnesh.torg. 44 no.6:47-51 '64.

LEUCOCYTES

Study of the ability of a phytohemagglutinin from kidney bean seeds of the Saksa variety to stimulate mitosis of peripheral blood leucocytes in vitro. M.G.TSoneva-Maneva, R.S.Nezlin. TSitologiia 5 no.4:458-460 Jl-Ag '63.

LEUKEMIA

Case of chronic basophilic leukemia. B.S.Anikin. Probl.gemat.i perel.krovi 8 no.8:50-51 Ag '63.

Clinical characteristics and properties of the course of chronic leukemia during the early stages of its development. Report No.1: T.A.Cherntsova, V.D.Ivanova, O.V.Aksenova. Probl.gemat.i perel.krovi 8 no.8: 9-13 Ag '63.

Combined treatment of chronic myeloleukosis and lymphogranulomatosis with aurantin and X-rays. I.B. Gurevich, N.S.Turbina. Med.rad. 8 no.12:3-9 D '63.

Cytogenetic examination of viral and dimethylbenzanthracene-induced leukemias in rats. B.S.Fichidzhian, E.E.Pogosiants, E.L.Prigozhina. Vop.onk. 10 no.3: 34-41 '64.

Disorders of zinc metabolism in children with leukemia. L.S.Nalimava. Vestsi AN BSSR.Ser.biial.nav. no.4: 64-66 '63.

Late results of myelosan therapy of chronic myeloid leukemia. Sh.Zh.Balgozhina. Probl.gemat.i perel. krovi 8 no.8:16-22 Ag '63.

Leukemia in animals. V.S.Togliev, P.IA.Konopel'ko. Veterinariia 41 no.4:34-36 Ap '64.

Local X-ray therapy of metaplastic hyperplastic lymphadenoid tissue of the lymphoid ring in acute leukemia. O.V.Skurkovich. Probl.gemat.i perel.krovi 8 no.8: 25-29 Ag '63.

Pathogenesis of leukemia in cattle. T.P.Protasenia, B N. Nikolaev. Veterinariia 41 no.4:32-33 Ap '64.

Producing an experimental leukemia model in mice. E.M.Semenskaia and others. Trudy Inst.eksp.i klin. khir.i gemat.AN Gruz.SSR 11:161-164 '63.

Roentgenological picture of changes in the lungs, pleura and thoracic lymph nodes in chronic forms of leukemia. O.A.TSukerman. Probl.gemat.i perel.krovi 8 no.8: 13-17 Ag '63.

Role of hereditary factors in the etiology of leukemia in man (familial leukemia). V.V.Akkerman. Probl. gemat.i perel.krovi 8 no.8:3-8 Ag '63.

Some trace elements and blood proteins in children with acute leukemia. O.M.Lago. Probl.gemat.i perel. krovi 8 no.8:37-41 Ag '63.

Spontaneous remission in acute hemocytoblastosis. N.V. Nikolaeva. Probl.gemat.i perel.krovi 8 no.8:51-53 Ag '63.

Thrombocytopoiesis in myeloproliferative diseases. M.M.Detiareva. Probl.gemat.i perel.krovi 8 no.8: 30-36 Ag '63.

Use of the antineoplastic antibiotics olivomycin (16749) and 6613 in the treatment of leukemia. M.M.Kaverzneva. Probl.gemat.i perel.krovi 8 no 8.22-25 Ag '63.

LEUKOPLAKIA

Kraurosis and leukoplakia of the vulva; clinical and morphological analysis. L.I.Dekster, E.L.Neishtadt. Vop.onk. 10 no.3;98-104 '64.

LEVEL (SURVEYING INSTRUMENT)

Investigating the KONI 007 leveling instrument. I.N. Meshcherskii. Geod.i kart. no.5 18-23 My '64.

LEVEL INDICATORS

IAkovlev, L.G. [Level indicators, their design and use] Urovnemery; konstruktsii, raschet, primenenie. Moskva, Izd-vo "Mashinostroenie," 1964. 190 p.

LEVEL INDICATORS FOR LIQUIDS see Liquid level indicators

LEVULINIC ACID

Inclusion of a hydrogen atom of C-5 and δ-aminolevulinic acid into inosinic acid and hypoxanthine in the liver of a pigeon. A.E.Braunshtein and others. Dokl.AN SSSR 157 no.4;982-984 Ag '64.

LIBERIA—HISTORY

Frenkel', M.IU. [The U.S.A. and Liberia, the Negro Problem in the U.S.A. and the creation of the Republic of Nigeria] SShA i Liberiia, negritianskaia problema v SShA i obrazovanie respubliki Liberiia. Moskva, Izd-vo "Nauka," 1964. 320 p.

LIBERTY

Man - work - freedom. G.Batishchev. Nov.mir. 39 no.12:255-258 D '63.

LIBRARIANS

Burn and you set others on fire. K.Perekhodkin Bibliotekar' no 7 34 Jl '64

LIBRARIES

For librarians it is unpardonable B Farber, M.Mironova. Bibliotekar' no.7 47-49 Jl '64

Give greater aid to public libraries Bibliotekar' no.7. 1-4 Jl '64

Making fuller use of the book collections. G.Fonotov. Bibliotekar' no.8:17-21 Ag '64.

Seeking and creating. I.Frumin. Bibliotekar' no 8:29-31 Ag '64.

LIBRARIES, CHILDREN'S

Summer reading room. S.Kolotova. Bibliotekar' no.7: 26-29 Jl '64.

LIBRARIES, SPECIAL

The secret of a patent library. V.Agranovskii. Mol. komm. no.2:82-93 F '64.

LIBRARIES, TRADE UNION—HANDBOOKS, MANUALS, ETC.

[Aid for trade-union libraries] V pomoshch' profsoiuznym bibliotekam. [Moskva] Profizdat, 1964. 245 p.

LIBRARIES, TRAVELING

Experienced specialist and public-spirited persons. I.Liakhovetskaia. Bibliotekar' no 8 45-47 Ag '64

LIBRARIES AND READERS

(see also subdivision under Mari A.S.S.R.; Volzhskiy, Astrakhan Province)

Conversation about a textbook is a conversation about a course. L Beliakov Bibliotekar' no.7:43-47 Jl '64

Footprints on the earth. N.Minakov. Bibliotekar' no.7: 31-33 Jl '64.

For today's readers and tomorrow's. S.Dzhurinova, L.IAvkina. Bibliotekar' no.7:38 Jl '64.

Good companion. R.Gladysheva. Bibliotekar' no 7:35-36 Jl '64.

In friendship with worker-poets. Edmund Iodkovskii, Galina Ivankova. Bibliotekar' no.8:36-38 Ag '64.

The reader has the floor, conference of readers of the Central Agricultural Library. Biul.TSentr.nauch.sel'-khoz.bibliot. no.1:13-18 '59.

They read in the original language. S.Zhelezniak. Bibliotekar' no.8:39 Ag '64.

Useful and useless reading. V.Gogolev. Bibliotekar' no.7:23-24 Jl '64

Youth that reads. I.Ganitskaia, N.Dobrynina. Bibliotekar' no.8:35-36 Ag '64.

LIBRARY CATALOGS

Catalog of reviews. Biul.TSentr.nauch.sel'khoz.bibliot. no.1:19-20 '57.

Recommended minimum of catalogs for libraries of research institutions. Biul.TSentr.nauch.sel'khoz. bibliot. no.1:21-22 '57.

LIBRARY CONFERENCES

(see also subdivision under Prague)

A year later. Bibliotekar' no.7:52-54 Jl '64.

LIBRARY EXHIBITS

Belles lettres on exhibit N Zhigul'skaia Bibliotekar' no 7 25 Jl '64

Through a storehouse of chemical raw materials N Netrobchuk Bibliotekar' no 7 26-27 Jl '64.

LIBRARY SCHOOLS AND TRAINING

First detachment A Sokolov. Bibliotekar' no 8:28 Ag '64

How to reorganize seminars A Rybakov Bibliotekar' no 7 48-49 Jl '64

LIBRARY SCIENCE

Improving productivity and quality of work, results of setting standards. E V.Parkhomenko Biul TSentr. nauch sel'khoz bibliot no 1 19-23 '59

LIBRARY SCIENCE—BIBLIOGRAPHY see Bibliography—Library science

LICORICE

(see also subdivision under Azerbaijan)

Chemical studies on flavonoid compounds from the licorice Glycyrrhiza uralensis Fisch V I.Lytvynenko Farmatsev zhur 18 no.5 20-25 '63

LIDA DISTRICT—CRIME PREVENTION

How is crime prevention organized by the Lida District Prosecutor's Office P Volokh, V Remnev Sots. zakon 41 no 4;56-57 Ap '64

LIDA DISTRICT—PUBLIC PROSECUTORS

How is crime prevention organized by the Lida District Prosecutor's Office. P.Volokh, V.Remnev. Sots. zakon. 41 no.4;56-57 Ap '64.

LIDOV, PETR ALEKSANDROVICH

Combat comrade. Aleksei Surkov. Sov.voin 46 no.9: 32 My '64.

LIE ALGEBRAS

Algebra of flag-tensors R.I.Pimenov. Vest.LGU 19 no.13:150-152 '64.

Alternative algebras of ranks 3 and 4. A.T.Gainov. Alg.i log. 2 no.4 41-46 '63.

Base of free polynilpotent Lie algebras. L.A.Bokut'. Alg.i log. 2 no.4:13-19 '63.

Binary Lie algebras of the lower ranks. A.T.Gainov. Alg.i log. 2 no.4,21-40 '63

LIEGE—RAILROADS—STATIONS

New railroad station in Liege. O.P Golubeva, S F Naumov. Transp stroi. 13 no 10,74-76 O '63.

LIFE (BIOLOGY)

Systemic character of a living being and the correlation between its biological and physiochemical structure A.S Mamzin Vop filos. 18 no.6,118-126 '64

LIGHT—PHYSIOLOGICAL EFFECT

Adaptation of oligophrenics to the new functional level of cerebral activity. N.M.Trofimov. Izv.APN no.129: 251-255 '63.

LIGHT—SCATTERING

Light scattering in dust nebulae. I.N.Minin. Astron. zhur. 41 no.4;662-668 Jl-Ag '64.

Point source in a semi-infinite medium bounded by a reflecting surface. A.K.Kolesov, D.I.Nagirner. Vest.LGU 19 no.13:125-132 '64.

Solution of integral equations in the theory of light scattering. D.I.Nagirner. Astron.zhur. 41 no.4: 669-675 Jl-Ag '64.

LIGHTING

Russia (1923- U.S.S.R.) Gosudarstvennyi
delam stroitel'stva. [Construction specific
regulations] Stroitel'nye normy i pravila.
stroiizdat.
Pt.2. Sec.A. ch.8. [Natural illuminati
tions for designs] Estestvennoe osve
normy proektirovaniia (SNIP II-A.8-
12 p.

LIGHTING, ARCHITECTURAL AND DECORA

Moscow. Vsesoiuznyi zaochnyi inzhenerno-s
institut. Kafedra arkhitektury. [Principles
physics; a textbook for students specializin
struction at the All-Union Engineering and
Correspondence Institute] Osnovy stroitel'
uchebnoe posobie dlia studentov stroitel'ny
stei VZSI. Moskva.
Sec.1. [Structural heat engineering]
teplotekhnika. 1963. 76 p.
Sec.2. Serbinovich, P.P., comp. [S
acoustics] Stroitel'naia akustika.
Sec.3. [Structural lighting engineerin
svetotekhnika. 1963. 30 p.
[MICROFIL

LIGHTNING

A shot by globe lightning. V.Maksimenko. 40 no.7:37 Jl '64.

LIGHTNING PROTECTION

Pavlov, L.I. [Lectures for a course in "Overvoltages and overvoltage protection· Lighining and protection from direct lightning strokes"] Lektsii po kursu "Perenapriazhenila i zashchita ot perenapriazhenii. Molniia i grozozashchita ot priamykh udarov molnii." Moskva, Vses. zaochnyi energeticheskii in-t, 1963. 52 p.

[MICROFILM]

LIGHTWEIGHT CONCRETE
(see also subdivision under Ural Mountain region)

Deformations and modulus of elasticity of keramzit concrete. A, Akbarov. Sbor,nauch. trud. NII po stroi ASiA no.4.61-65 '63.

Producing autoclave cellular concrete on mixed binding materials. N.E.Dikarkina, S.B.Salidzhanov, S.Z. Tuliaganov. Sbor.nauch. trud. NII po stroi. ASIA no.4 66-71 '63.

Using fly ash from hydroelectric power stations in the production of building materials and prospects for using ash in the Kuznetsk Basin K.S Ignat'ev. Trudy KuzNIIshakhtostroia no.1·101-110 '63

LIGNITE

Gasification of Krasnoyarsk lignite in a fluidized bed at a gauge pressure of 20 G P Sechenov. V S Al'tshuler Gaz prom 7 no 9·15-20 '62

LIGNOSULFONIC ACIDS

Effect of the concentration of lignin sulfonate on the frothing capacity of a solution during flotation of distiller's yeasts. T B.Krylova, A V.Buevskoi, O.A Dmitrieva. Gidroliz i lesokhim,prom. 17 no.3;5-7 '64.

LIKHOSLAVL' (KALININ PROVINCE)—FLAX INDUSTRY

Commercial processing of flax straw. A.Al'pert. Zakup, sel'khoz prod. no 1 29-31 Ja '64

LIME

Advantage of kilning lime in rotary kilns. I.L.Chernyi, V.I.Berezovskii. Stroi.mat. 9 no.6;9 Je '63.

Interaction of carbon dioxide with finely dispersed calcium oxide in the presence of water vapors O.K. Davtian, E.N.Ovchinnikova, N.M.Soboleva. Nauch ezhegod Khim.fak Od.un. no 2,128-129 '61

Obtaining sodium pyrosulfite by the sulfite-lime method. L.S Efimenko, A.Ashirova, A.Atadzhanov. Izv.AN Turk.SSR.Ser.fiz.-tekh ,khim,i geol.nauk no.2, 24-29 '63.

LIME INDUSTRY

Kilning processes must be determined depending on the use of lime. P.F.Gordashevskii, A.P.Korniushina. Stroi.mat. 9 no.6;8 Je '63.

Optimal conditions of kilning dolomite lime. E.D. Pevzner. Stroi.mat. 9 no.6;10 Je '63.

Technical backwardness is the cause of low-grade lime production. K.S.Drosdov. Stroi.mat. 9 no.6;6-7 Je '63.

Urgent tasks in developing the lime industry. A.I. Sukhanov, S.Markin. Stroi.mat. 9 no.6;8 Je '63.

LIME KILNS

Old style shaft kilns must be redesigned. A.A.Rudzit. Stroi.mat. 9 no.6;7 Je '63.

LIMESTONE
(see also subdivision under Caucasus, Northern)

Genetic affinity of macro- and microfractures in limestone M E Kaplan Trudy VNIGRI no 228 276-284 '64

LIMING OF SOILS

Liming of continuously fertilized soils in crop rotation and monoculture. V E.Egorov, B.A Dospekhov, Izv. TSKHA no.6 125-137 '63.

LIMITATION OF ACTIONS

Establishing statutory periods for review of civil decisions in appellate procedure V, Puchinski Sov iust 28 no.7:17-18 Ap '64

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Coordinate spaces and infinite systems of linear equations Part 4. IU.I.Gribanov Izv vys ucheb. zav.; mat. no.2·53-64 '64.

Linear operator equations of first order. I.N.Dombrovskaia Izv.vys ucheb zav ; mat no 2:74-78 '64.

LINEAR PROGRAMMING

Barsov, A.S. [Linear programming in technical and economic problems] Lineinoe programmirovanie v tekhniko-ekonomicheskikh zadachakh, Moskva, Izd-vo "Nauka," 1964. 277 p. (Fiziko-matematicheskaia biblioteka inzhenera).

The optimal use of resources. I.Popov. Ekon.sel'khoz. 35 no 6 51-58 Je '64.

Selecting a quantitative method for solving the problem of fleet distribution. E.P.Gromovoi. Ekon.i ekspl. mor.transp. no.1;10-17 '63.

Use of mathematical methods in the economic analysis and planning of agricultural production I Zagaitov Plan khoz 41 no 8 66-71 Ag '64

LINKS AND LINK MOTION

Partenskii, B.M. [Linkages, kinematic study and synthesis] Rychazhnye mekhanizmy; kinematicheskoe issledovanie i sintez. Moskva, Mashinostroenie, 1964. 177 p.

LINOLEUM

Determination of the readiness of modified glyptal resins, binding agents for linoleum N P Konshin and others Nauch ezhegod.Khim fak Od.un no 2 102-112 '61.

LIPASE

Technique of determining lipase in the pancreatic juice and duodenal contents. G.K.Shlygin, L.S.Fomina, Z.M.Pavlova. Vop.med.khim. 9 no.2:197-200 Mr-Ap '63.

LIPETSK—TRACTOR INDUSTRY

A seven-hour assignment in six hours, a photo report Sov profsoiuzy 20 no 14 10,12-13 Jl '64

LIPETSK PROVINCE—FRUIT CULTURE

How we achieved the year-round employment of workers N Dubinin Sov profsoiuzy 20 no.15 20-21 Ag '64

LIPETSK PROVINCE—PEAS

How we grow peas. A.Khomenko. Inform.biul.VDNKH no.2;6-8 F '64

LIPID METABOLISM

Comparative biochemical and histochemical study of lipids in the liver and heart of pigeons with experimental hypervitaminosis B_1. IU.M.Ostrovskii, V.S.Nikitin. Biul.eksp.biol.i med. 55 [i.e.56] no.10.32-35 O '63.

Role of the reduction of the lipolytic activity of the aortic wall in the pathogenesis of its lipoid infiltration. B.L. Lempert, F.L.Leites. Biul.eksp.biol.i med. 55 [i.e.56] no.10;25-29 O '63.

LIPIDS

Lipids of asporogenic yeastlike fungi of the genus Candida. N.P.Elinov, N.A.Zaikina. Vop.med.khim. 9 no.2;177-180 Mr-Ap '63.

New types of neutral lipids. L.D.Bergel'son, V.A.Vaver, N.V Prokazova Dokl.AN SSSR 157 no.1 122-124 Jl '64

Some biochemical indices in a study of the placenta in a case of intrauterine fetal death. K.S Chirkovskaia. Akush.i gin 39 no.5;42-44 S-O '63.

LIPOLYSIS

Lipolytic activity of adipose tissue in experimental alloxan diabetes. N.K.Davtian. Biul.eksp.biol.i med. 55 [i.e.56] no.10:29-32 O '63.

LIPOPROTEINS

Lipoproteins in the blood serum of patients with seroresistant syphilis. L.N.Lubashevskaia. Vest. derm.i ven. 38 no.1:41-44 Ja '64.

Pulmonary lipoproteins. V.A.Khramov. Sbor.nauch. rab stud.Volg.gos med inst. no.1:19-24 '60.

Study of lipoproteins in the blood of donors by agar gel electrophoresis using previously colored blood plasma. L.L.Deliamure. Vop.med.khim. 9 no.2:200-204 Mr-Ap '63.

LIPOTROPIC FACTORS

Clearing factor and its relation to the development of atherosclerosis; survey of foreign literature. M.P. Stepanova. Kardiologiia 2 no.6;82-86 N-D '62.

Effect of a diet deficient in lipotropic substances on the excretion of biliary phospholipids. U.Z.Kadyrov. Vop.pit. 22 no.3;28-36 My-Je '63.

LIPOVSKOYE REGION (SVERDLOVSK PROVINCE)—MINERAL WATERS

Mineral water resources of the Lipovskoye Springs of medicinal radon waters in the Urals V.IA.Kulakova. Vop.kur.,fizioter.i lech.fiz.kul't no.6;556-557 '63.

LIQUEFIED PETROLEUM GAS

Flow of liquefied gas from a spherical reservoir. L.A. Girko. Gaz.delo no.3:37-38 '63.

Foreign technology. Gaz.prom. 8 no.8;40-42 '63.

Gas equipment for a railway-car restaurant. D.IA. Vigdorchik, V.P.Ivanov. Gaz.prom. 9 no.6;22-25 '64.

Increasing the lifetime of the rod and stuffing boxes of the product part of piston steam pumps which pump liquefied gases. F.I.Arkhipov. Mash.i neft.obor. no.4;35 '63.

Liquefied gases as raw stock for the chemical industry. B.S.Itsikson. Gaz.prom. 9 no.6;1-2 '64.

New method for reducing petroleum gases. V.I.Kostiuk, A.G.Cheglikov. Gaz.delo no.6;32-36 '64.

Possibilities of injecting liquefied gases in different areas of the Romashkino field with a view to increasing petroleum recovery and the level of petroleum production. N.K.Pravednikov, N.L.Rakovskii, A.N.Sellunin. Trudy VNII no.40;241-256 '63.

Removing hydrogen sulfide from liquefied gas. P.T. Sverbil'. Nefteper.i neftekhim. no.5;43-44 '64.

LIQUEFIED PETROLEUM GAS—STORAGE

Foreign technology. Gaz.prom. 9 no.6·43-45 '64.

Gas industry abroad. Gaz.prom 9 no.4 54-55 '64.

LIQUEFIED PETROLEUM GAS—TRANSPORTATION

Comparative tests of ATS-4 and ATS-4M tank trucks for the transportation of liquefied gas. V.A.Ivanov, K.Z.Monina, L.N.Maltabar. Gaz.prom. 7 no.3: 31-33 '62.

LIQUID CRYSTALS—GROWTH

Growth of single-crystal nematic films. I.G. Chistiakov Rost krist. 4,74-80 '64.

Pattern of growth and properties of liquid crystals of thiazine dyes. N.M.Melankholin. Rost krist. 4·61-67 '64.

Vitrified liquid-crystal films. I.G.Chistiakov, E.A. Kosterin. Rost krist. 4 68-73 '64.

LIQUID LEVEL INDICATORS

Answering level gauge for tanks operating under pressure K.G Karganov, V.P.Korolenko, L I.Lazovskii. Mash i neft obor. no 6·34-36 '63

Basic causes of the unreliable operation of UDU apparatus and methods for their elimination. D.V.Idrisov, A.D. Dzhabrailov. Transp.i khran.nefti i nefteprod. no.6; 21-23 '64.

Experience with the introduction of interface-level measuring and controlling devices. A P.Zaiko Nefteper i neftekhim no.5.45-48 '63.

Use of floating level meters. S.A.Bobrovskii. Gaz.delo no 3 38-41 '63.

Using the MESU-IV electronic level indicator in the automatic control of a pumping assembly. E.I. Dizenko. Transp.i khran.nefti i nefteprod. no 6;9-11 '64.

LIQUID METALS

Analysis of error in an automatic system for dosing liquid metal. A.D.Pushchalovs'kyi. Avtomatyka 8 no.6: 58-64 '63.

Effect of magnesium oxide on the physicochemical properties of iron silicate melts and froth stability. S.I. Popel', V.I.Sokolov, V.G.Korpachev. Sbor.nauch. trud.Ural.politekh.inst. no.126:24-33 '63.

Kinetics of the dissolution of metals. P.M.Shurygin, V.D.Shantarin. Sbor.nauch.trud.Ural.politekh.inst. no.126:73-79 '63.

Plant for X-ray diffraction studies of liquid high-melting metals. E.Z.Spektor, S.F.Khokhlov Ukr.fiz.zhur. 9 no.4·440-444 Ap '64.

Surface tension of liquid metal solutions. Part 3. V.V. Fesenko, M.I.Vasiliu, V.N.Eremenko. Zhur.fiz.khim 36 no.3:516-520 Mr '62.

Thermodynamics of nitrogen solutions in liquid iron V.V.Averin, A.M.Samarin. Izv.AN SSSR.Met.i gor. delo no.2:3-12 Mr-Ap '64.

LIQUID METALS—DENSITY

Density of Co-C and Ni-C alloys in the solid and liquid states. E.S.Filippov, A.A.Vertman, A.M.Samarin. Izv.vys.ucheb.zav.; chern.met. 7 no.7;162-164 '64.

Density of iron alloys with carbon in solid and liquid states. A.A.Vertman, E.S.Filippov, A.M.Samarin. Izv.vys.ucheb.zav.; chern.met. 7 no.7;10-23 '64.

LIQUID METALS—INCLUSIONS

Magnetohydrostatic purification of liquid metal from nonmetallic inclusions L A.Verte Fiz.met.i metalloved. 17 no.5 772-773 My '64

LIQUID METALS—TESTING

Equipment for determining the surface tension of liquid metals. S.A.Bliznlukov, A.F.Vishkarev, V.N.IAvoiskii. Izv.vys.ucheb.zav.; chern.met. 7 no.7;[illegible] '64.

LIQUIDS

Additive value of viscosity of liquid systems without interaction of components. A.IA.Deich. Zhur.fiz.khim. 36 no.3;656-657 Mr '62.

Correlations in liquids. V.A.Zamkov. Ukr.fiz.zhur. 9 no.4;374-379 Ap '64.

Effect of an electric field on the solubility of gases in a liquid. K.F.Stepanchuk. Izv.vys.ucheb.zav ; energ 7 no.7:13-17 Jl '64.

Effect of molecular interaction on the compressibility and viscosity of liquids. A.Z.Golik, I.I.Adamenko, P.F.Cholpan. Ukr.fiz.zhur. 9 no.4;412-418 Ap '64.

Hydrogen bonding and the rate of the propagation of ultrasound in liquids. Part 1 [with summary in English]. A.E.Lutskii, V.N.Solon'ko. Zhur.fiz.khim. 38 no.2;415-422 F '64.

Mechanical and chemical dissociation of liquids on freshly formed surfaces of solids. G.S.Khodakov. Dokl.AN SSSR 156 no.6;1416-1419 Je '64.

My inference concerning the viscosity functions of mixtures of ideal liquids. A.B.Zdanovskii. Zhur.fiz.khim. 36 no.3;657-658 Mr '62.

Pressure dependence of the ultimate superheating of liquids.[with summary in English]. V.P.Skripov, G.V.Ermakov. Zhur.fiz.khim. 38 no.2;396-404 F '64.

LIQUIDS (Continued)

Properties of a liquid having intermolecular hydrogen bonds. M.I.Shakhparonov. Ukr.fiz.zhur. 9 no.4: 444-453 Ap '64.

X-ray diffraction study of molecular liquids. V.P. Klochkov, A.F.Skryshevskii. Ukr.fiz.zhur. 9 no.4: 420-426 Ap '64.

LIQUIDS—THERMAL PROPERTIES

Temperature fields in an underheated liquid in case of bubble boiling. L. A.Latyshev. Izv.vys ucheb zav , av tekh. 6 no 4:112-116 '63.

LIQUIDS—THERMODYNAMICS

Hydrogen bonding and the specific heat of liquids. A.E. Lutskii, V.N.Solon'ko. Ukr.fiz.zhur. 9 no.4:459-463 Ap '64.

A superheated liquid near the limit of its stability. V.P.Skripov. Ukr.fiz.zhur. 9 no.4:393-400 Ap '64

LIQUIDS, KINETIC THEORY OF

Direct estimation of the "settled life" of an atom in an elementary liquid. I.Z.Fisher, V.K.Prokhorenko. Zhur.fiz.khim. 36 no.3:588-591 Mr '62.

Study of the kinetics of liquid phase in the production of agloporites based on the electric conductivity of clinkering charges. I.E.Beilkov. Stroi.mat. 9 no.6:34-36 Je '63.

LISTERIOSIS

Listeriosis in saigas. V.V Tilga. Veterinariia 41 no.4 50 Ap '61

Listeriosis of animals in Pavlodar Province. A.A.Annagiev, I.I.Guslavskii. Veterinariia 11 no.4 49-50 Ap '64

LITERARY EXCHANGES see Exchanges, Literary and scientific

LITERATURE

Manuilov, V.A. [Reality, literature and literary studies] Deistvitel'nost', literatura i literaturovedenie. Leningrad, Leningr. gos. bibliotechnyi in-t, 1959. 35 p. (Materialy k kursu "Vvedenie v literaturovedenie, no.1)
(ICU)

LITERATURE—AUDIO-VISUAL AIDS

Textbook with sound. E.O.Konokotin. Sred.spets.obr. 11 no.6:26 Je '64.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Leningrad. Universitet. [Problems of the creative process of a literary work] Voprosy tvorcheskoi istorii literaturnogo proizvedeniia. [Leningrad] Izd-vo *Leningr. univ.*, 1964. 236 p.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—STUDY AND TEACHING

Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniia. [Secondary school programs for the 1964-1965 school year; literature] Programmy srednei shkoly na 1964/65 uchebnyi god; literatura. [Moskva] Prosveshchenie, 1964. 20 p.

LITERATURE, COMPARATIVE

Reference book on the interaction of literatures. N.V. Gel'fand. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1:58-69 Ja-F '64.

LITHIUM

Elastic scattering of electrons by lithium atoms in the polarization-exchange approximation. I.Zh.Vinkalis, P.M.Karule, V.D.Ob'edkov. Opt.i spektr. 17 no.2: 197-212 Ag '64.

Surface saturation by lithium of iron, cobalt, and nickel. F N.Tavadze, K.S.Karlozia. Trudy GPI [Gruz] no 4 57-63 '62.

LITHIUM—ELECTROMETALLURGY

Cathodic polarization of lithium on a gallium cathode. Report No. 1 V.P.Porubaev, V D.Ponomarev. Trudy Inst met i obog.AN Kazakh.SSR 9:113-121 '63.

LITHIUM ALUMINOSILICATE—ABSORPTION SPECTRA

Variation of the absorption spectra of lithium aluminum silicate glass during its crystallization. L.G.Baiburt, A.A.Gorbachev. Dokl.AN SSSR 156 no.6:1420-1423 Je '64.

LITHIUM BOROHYDRIDE—THERMAL PROPERTIES

Thermal stability of lithium borohydride. E.M.Fedneva, V.I.Alpatova, V.I.Mikheeva. Zhur.neorg.khim. 9 no.6:1519-1520 Je '64.

LITHIUM FLUORIDE CRYSTALS—DEFECTS

Formation of skeletal cavities in lithium fluoride crystals. V.A.Moklevskii, I.I.Afanas'ev. Rost krist. 4:46-52 '64.

LITHIUM ISOTOPES—DECAY

Giant resonance in the photodisintegration of the Li^6 nucleus. R.A.Eramzhian. Izv.AN SSSR.Ser.fiz. 28 no.7:1181-1184 Jl '64.

LITHUANIA—COMMUNIST PARTY

Vilna. Partijos istorijos institutas. [Leaflets of the Lithuanian Communist Party] Lietuvos *Komunistu* partijos atsisaukimai. Vilnius, Valstybine politines ir mokslines lit-ros leidykla. [In Lithuanian]
Vol.4. 1935-1940. 1963. 954 p.

LITHUANIA—FRIT FLIES

Biology of the frit fly Hapleginella laevifrons Lw (Diptera, Chloropidae) an inhabitant of pine cones E.Gaidiene, E.P *Narchuk* Ent oboz. 42 no 4 765-769 '63.

LITHUANIA—GEOLOGY

[Study of the geology of the U.S.S.R.] Geologicheskaia izuchennost' *SSSR*. Glav. red. A.N. Assovskii i dr. Vil'nius, Akad. nauk Litovskoi SSR.
Vol. 43. [*Lithuanian S.S.R.*, the period of 1800-1955] Litovskaia SSR, period 1800-1955.
No. 1. [Published works] Pechatnye raboty. 1962. 257 p.

LITHUANIA—GEOMORPHOLOGY

Some notes on the importance of detailed study of a quasi-geoidal surface for the characteristics of the *earth* crust activity. A Razinskas Trudy AN Lit. SSR. Ser. B no.1:183-188 '62.

LITHUANIA—MORAINES

Basic bands of marginal formations in Lithuania and adjacent areas. V.Cepulyte. *Trudy AN Lit. SSR. Ser.* B no.1 189-197 '62

LITHUANIA—PEAS

Zazeckiene, K., and V.Dovydaitis. [Pea culture] Zirniu auginimas. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 45 p. (Zemes ukio darbuotojo-praktiko bibliotekele) [In Lithuanian]
(DNAL)

LITHUANIA—PEAT INDUSTRY

Work experience of the Silute Peat Litter Plant. L.Paplauskas, M.G.Bulynko. Torf.prom. 41 no.1:20-22 '64.

LITHUANIA—PENSIONERS—EMPLOYMENT

Don't forget about us N Il'inskii. Sov.profsoiuzy 20 no.14:32 Jl '64.

LITHUANIA—PINE—DISEASES AND PESTS

Biology of the frit fly Hapleginella laevifrons Lw. (Diptera, Chloropidae) an inhabitant of pine cones. E.Gaidiene, E.P.Narchuk Ent.oboz 42 no.4 765-769 '63

LITHUANIA—POLITICS AND GOVERNMENT

The sun of freedom. J Paleckis Nov.vrem. 21 no.30 9-10 Jl '64.

LITHUANIA—SANDY SOILS

Mecris, A. [Characteristics and distribution of light soils in the Lithuanian S.S.R.; report at the Scientific Methodological Conference on the Improvement of the Fertility and Productivity of Light Soils] Kharakteristika i raspredelenie legkikh pochv Litovskoi SSR; doklad na Nauchno-metodicheskom soveshchanii po povysheniiu plodorodiia i proizvoditel'nosti legkikh pochv. Minsk, Akad.sel'khoz.nauk BSSR, 1959. 13 p.
[MICROFILM]

LITHUANIA—SOCIAL CONDITIONS

The heart rejoices F.Kasarauskiene. Sov.profsoiuzy 20 no.16:4 Ag '64

LITHUANIA—WORLD WAR, 1939-1945

On the banks of the Neman. G.Sukhorukov. Voen.vest. 44 no.7:16-17 Jl '64.

LITHUANIAN LANGUAGE

Lebedys, Juris. [Mikalojus Dauksa; a monograph] Mikalojus Dauksa; monografija. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 422 p. [In Lithuanian]

LITOVKIN, EVGENII GEORGIEVICH

Honored trainer. V.Pozhilova. Voen.znan. 40 no.7: 44 Jl '64.

LIVER

Correlation between the quantity of polyploid and binuclear cells of the liver in the course of 24 hours. T.A.Zaleteva. Biul.eksp.biol.i med. 55 [i.e.56] no.10:93-95 O '63.

Data on the mechanism of protein synthesis in liver microsomes and transplanted tumors in rats. S.IA. Davydova, G.A.Drozdova. Vop.med.khim. 9 no.2: 181-187 Mr-Ap '63.

Effect of mercury-free diuretics on tissue respiration in vitro and oxidative phosphorylation of isolated liver mitochondria. E.Geres. Farm.i toks. 26 no.2: 192-197 Mr-Ap '63.

Enzymatic decomposition of isonicotinic acid hydrazide and its derivatives in the organs of the animal body. L.I.Grebennik. Farm.i toks. 25 no.6:735-741 N-D '62.

Evaluation of the vitamin A content of the body by luminescent microscopy of liver sections. V.N. Aleksandrov. Vop.pit. 22 no.3:79-81 My-Je '63.

Liver regeneration in lower vertebrates. N.I.Grigor'ev. Arkh.anat.,gist.i embr. 43 no.8:77-87 Ag '62.

Metastatic spreading of Brown-Pearce tumors in the presence of functional changes of the liver. I. F. Podzei. Pat.fiziol.i eksp.terap. 6 no.4:[illegible] Jl-Ag '62

LIVER—CIRRHOSIS

Histopathology of the connective tissues and lymphatic vessels of the cirrhotic liver. IU.F.Vikalius. Arkh. pat. 26 no.2 56-62 '64.

Hormonal therapy of the "ascitic forms" of liver cirrhosis. D.M Abdulaev, G.M.Isazade. Azerb med. zhur no.6:7-13 Je '62

LIVER—DISEASES

Ascitic forms of heliotropic toxicosis (heliotropic dystrophy of the liver) in children. N.V.Preobrazhenskaia. Trudy Tadzh.med.inst. 50:174-188 '61

Change in proteins, proteids and aminotransferase activity in the blood serum of patients with chronic liver diseases under the influence of diet therapy T.I.Loranskaia Vop.pit 22 no 3:8-13 My-Je '63.

Effect of pyridoxine on the clinical and morphological picture of experimental hepatitis. S.A.Sudakova, K.M. Odina. Vop.pit. 23 no.1:38-43 Ja-F '64.

Eremin, V.U. [Treatment of patients with chronic inflammatory diseases of the liver and biliary tract at the Truskavets Health Resort] Lechenie bol'nykh khronicheskimi vospalitel'nymi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. Kiev, Gosmedizdat USSR, 1964. 51 p.
(DNLM)

Functional state of the liver in hepatocholecystitis. K T Gasparian. Zhur eksp i klin.med 4 no.2:89-93 '64.

Light (nonascitic) forms of heliotropic dystrophy of the liver in children. N.V.Preobrazhenskaia. Trudy Tadzh.med.inst. 50:102-112 '61.

Pathochemistry of the liver in poisoning with plutonium-239. N.I.Elkina, Z.B.Tokarskaia. Vop.med.khim. 9 no.2:154-160 Mr-Ap '63.

LIVER—SURGERY

Treatment of mechanical jaundice. G D.Ioseliani, G V. Kakhidze. Trudy Inst.eksp.i klin.khir.i gemat AN Gruz.SSR 11:131-136 '63

LIVER FLUKE

Pathological anatomy of experimental opisthorchiasis. S.D.Koshukov. Med.paraz.i paraz.bol. 32 no 4 408-411 Jl-Ag '63.

LIVER FUNCTION TESTS

Changes in some indices of the protein function of the liver under the effect of splenin. V.N.Zgrzheblovs'ka, A.A.Blavdzevych. Fiziol.zhur. 10 no.1:121-122 '64.

Liver function tests in balantidiasis. V.G.Khamtsov. Med.paraz.i paraz.bol. 32 no.4:416-421 Jl-Ag '63.

Morphological changes in the liver of rats under the influence of prolonged introduction of aminazine. A.L. IAkovleva, N.G.Shakhnazarova. Farm.i toks. 26 no.5 621-624 S-O '63.

LIZARDS

Natural triploidy within a polymorphous group of the Caucasian lizard Lacerta saxicola Eversmann, resulting from hybridization between bisexual and parthenogenetic varieties of this species. I.S.Darevskii, V.N.Kulikova. Dokl.AN SSSR 158 no.1 202-205 S-O '64.

LOACHES

Cytology of the radiation gynogenesis and androgenesis in the pond loach (Misgurnus fossilis L.). D.D Romashov, V.N.Beliaeva. Dokl.AN SSSR 157 no.4:964-967 Ag '64.

LOADING AND UNLOADING

Hand winches for assembly and loading and unloading work Biul stroi.tekh. 20 no.12:22 D '63.

Loading process of a seagoing tanker IU K.Lekhan Ekon.i ekspl.mor transp no.1:96-101 '63.

Single-scoop multipurpose loaders on track-laying tractors A.I.Skokan. Transp.stroi. 14 no.1:50-52 Ja '64.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Automatic optimization of the performance of the inertia unloader developed by the Central Scientific and Research Institute of the Ministry of Railroad Transportation. E.N.Morozov. Vest.*TSNII* MPS 23 no.4: 53-55 '64

Vainkof, IA.F., and A.K.Kvitko. [Vibratory equipment used in auxiliary transportation operations] Vibratsionnaia tekhnika na vspomogatel'nykh transportnykh operatsiiakh. Moskva, "Mashinostroenie," 1964. 162 p.

LOCAL ELECTIONS see subdivision under Greece

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref.zhur.: Avt.i gor.transp. nos.8-9 Ag-S '64.

LOCATION OF INDUSTRIES see Industries, *Location of*

LOCOMOTIVES

Achieving a greater traffic volume with a smaller fleet of locomotives G.I.Golovchenko Zhel dor.transp. *46* no 7 28-32 *Jl* '64

I.S.Khokhrev, M D Opendik Zhel dor transp 46 no.7:64-66 Jl '64

LOCOMOTIVES—DESIGN AND CONSTRUCTION

What type of promising locomotives should be developed for the future? V.A.Nikanorov. Zhel dor.transp 46 no 1:46-54 Ja '64

LOCOMOTIVES—VIBRATION

Coefficients of the relative damping of the vertical vibrations of locomotives. V.I Kal'ianov. Vest. TSNII MPS 23 no.4:19-24 '64.

LOCUSTS see subdivision under Mangyshlak Peninsula; Ustyurt

LODGING (PLANTS)

Endemic lodging of cereal plants V V Koval'skii, M.K. Maslianaia Agrokhimiia no 1 93-109 Ja '64.

Studying the lodging resistance of barley varieties on peat soils. R.I.TSarova. Vestsi AN BSSR. Ser.biial. nav. no.4:40-45 '62.

LOFOTEN ISLANDS—HERRING

Some results of the observations on approaches and fisheries of young herring in the Lofoten Islands region in 1963. V.K Zilanov Mat rybokhoz issl Sev bas no 1:13-16 '63

LOGIC

Akademiia nauk SSSR. Institut filosofii. [Formal logic and the methodology of science] Formal'naia logika i metodologiia nauki. Moskva, Izd-vo "Nauka," 1964. 299 p. (diagrs. insert)

Akademiia nauk SSSR. Institut filosofii. [Problems of the logic of scientific knowledge] Problemy logiki nauchnogo poznaniia. Moskva, Nauka, 1964. 408 p.

Dialectical categories as stages of knowledge. A.P. Sheptulin Vop filos 18 no 6 27-36 '64

Gnoseological problems in contemporary formal logic. Dobrin Spasov. Vop filos 18 no 7 123-129 '64

[Logic] Logika. [By] V. I. Kirillov i dr. Moskva, Vysshaia shkola, 1964. 206 p.

The subject matter and nature of logic. M.N.Alekseev. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1:126-135 '64.

LOGIC, SYMBOLIC AND MATHEMATICAL

Application of mathematical logic methods in the design of automatic control circuits. B.N.Grin'kov. Trudy TSNII MPS no.276:64-82 '64

Unsolvability of the general completeness, resolution, and equivalence problems for propositional calculus. A.V.Kuznetsov Alg i log. 2 no 4:47-66 '63.

LOGOS

Pozov, A. [Longs meditation of the early Church; spiritual exercises] Logos-meditatsiia drevnei tserkvi; umnoe delanie. Munich, Tovarishchestvo zarubezhnykh pisatelei, 1964. 163 p.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765—MUSEUMS, RELICS, ETC.

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [The M. V. Lomonosov Museum in Leningrad] Muzei M. V. Lomonosova v Leningrade. Moskva, Izd-vo "Nauka," 1964. 83 p. illus.

LONDON—WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

Days of ordeal, from memoirs. I Maiskii. Nov vrem. 21 no.30 27-29 Jl '64

LONGEVITY

(see also subdivision under Kazakhstan; Kirghizistan)

Physical education and training in the struggle for human longevity. I.T.Osipov. Teor.i prak.fiz.kul't. 27 no.5:52-55 My '64.

LOOMS

Design and study of the picking mechanism of shuttle looms. A.I.Grishin. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.6:159-167 '63.

Determining the initial data for the design of the cam shedding mechanism. N.K.Ovtsyn. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.6:95-104 '63

LOTUS

Materials on the morphology and taxonomy of the genus Nelumbo Adans. N.S.Snigirevskaia. Trudy Bot.inst. Ser.1 no.13:104-172 '64.

LOW TEMPERATURE ENGINEERING

Epifanova, V.I., and L.S.Aksel'rod, eds. [Air separation by means of low temperature refrigeration; technology and equipment] Razdelenie vozdukha metodom glubokogo okhlazhdeniia, tekhnologiia i oborudovanie v dvukh tomakh. Moskva, Mashinostroenie, 1964. 2 v. diagrs. (insert)

LOWER VOLGA ECONOMIC REGION—ACCOUNTING

Increase accountants' labor productivity. V.Klimenko. Bukhg.uchet 20 no.12 29-30 D '63

LOWER VOLGA ECONOMIC REGION—OIL FIELD FLOODING

Features of the exploitation of wells in fractured reservoir rocks. G.G.Denisov, V I. Trzhensimekh. Nefteprom.delo no.5:15-17 '64.

Martynov. Nefteper.i neftekhim. no.5:25-27 '64.

Effect of the structural characteristics of the engine and of its technical state on the degree of aging of lubricating oils. F.G Suleimanova. Azerb khim.zhur no 5: 23-33 '63.

Improved unit. A I Krongauz Mashinostroitel' no 6: 18 Je '64

Influence of the nature of polysiloxanes on their effect as additives to hydrocarbon lubricants. G.V.Vinogradov, N.S.Nametkin, M.I.Nosov. Neftekhimiia 4 no.2 245-250 Mr-Ap '64.

Multipurpose grease for forms M.F.Kadil'nikov. Transp stroi. 13 no 10:68-69 O '63.

Obtaining lubricants from a mixture of Baku paraffin oils. R.Sh.Kuliev, I.S.Kevorkova. Azerb.neft.khoz. 42 no.6:34-36 Je '63.

Our practice in using molybdenum disulfide lubricant. A S Steshin Mashinostroitel' no 6 36 Je '64

Practicability of using liquid preservative oils for protecting ship equipment. I.I.Gerasimov and others. Khim.i tekh.topl.i masel 9 no.4:36-39 Ap '64.

Removing pyrolytic light oil from unsaturated hydrocarbons P A Chirimanov and others Nefteper i neftekhim no 9 10-13 '63

LUBRICATION AND LUBRICANTS—ADDITIVES

Obtaining phosphor-sulfur containing organic compounds from the polymers of unsaturated hydrocarbons and investigating them as additives to lubricating oils. R.K.Mamedova, A.M.Kuliev, K.I.Sadykhov Azerb.neft.khoz. 43 no.5:37-38 My '64.

LUBRICATION AND LUBRICANTS—TESTING

PIM-2 device for determining the evaporability of lubricants V M Martynov Nefteper i neftekhim no 8 40-43 '63

LUGANSK—DRUGSTORES

Better services for workers. M.M.Freidlina. Farmatsev zhur 18 no 5:66-68 '63.

LUGANSK—MEDICINE

Better services for workers. M M.Freidlina. Farmatsev.zhur 18 no.5:66-68 '63

LUMBER—DRYING

Russia (1917- R.S.F.S.R.) Omskii ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Advanced methods for the drying of wood; a survey of technological literature] Progressivnye sposoby sushki drevesiny; obzor tekhnicheskoi literatury. Omsk, TSentr. biuro tekhn.informatsii, 1962. 10 p.
[MICROFILM]

LUMBER—MENSURATION

Pulsed summation automatic volumeter for transverse flow of lumber. A.M.Kiliakov. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:153-161 '63.

LUMBER—PRESERVATION

Circular lumber materials. Diffusion method of preservation. Biul stroi tekh. 20 no.12:23-24 D '63.

LUMBER—TRANSPORTATION

Effect of cargoes on the magnitude of impact loads in collisions of logging cars. N.A.Gaidar. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:92-98 '63.

Improving the organization of car flows in lumber transportation. L.P.Kairo. Zhel.dor.transp. 46 no.1:13-16 Ja 64.

Inber, F.I., and P.I.Skachkov. [Operation of trucks with extra-wide log-type tires in logging camps] Ekspluatatsiia avtomobilei s arochnymi shinami v lespromkhozakh. Moskva, Goslesbumizdat, 1963. 46 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo!)

Lomonosov, I.G. [Water transportation of lumber; textbook on new techniques and technology of lumber floating for students of the faculties of forest engineering and forestry mechanics] Vodnyi transport lesa; uchebnoe posobie po novoi tekhnike i tekhnologii lesosplava dlia studentov lesoinzhenernogo i lesomekhanicheskogo fakul'tetov. Leningrad, Vses.zaochnyi lesotekhnicheskii in-t, 1961. 90 p.
[MICROFILM]

Mechanizing the laying and relaying of switching systems on narrow-gauge logging railroads. B.I.Kuvaldin, G.P. Egorov. Izv.vys.ucheb.zav.; les.zhur. 6 no.3:54-59 '63.

Moscow. TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po lesnoi, tsellіulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu. [First-stage floating of lumber by the patrolled distance method] Pervonachal'nyi splav lesa distantsionno-patrul'nym sposobom; sbornik. Moskva, 1963. 29 p. (Lesoekspluatatsiia)
[MICROFILM]

Russia (1917- R. S. F. S. R.) [illegible]

[MICROFILM]

vakhan, Gorkiy Pro[illegible])

Potentials of the lumbering industry A. Zheludkov. Plan khoz 41 no 8 45-51 Ag '64

LUMBERING—MACHINERY

(see also subdivision under Mari A. S. S. R.; Vologda Province)

Analytical method of calculating the maximal resistance to sawing in the power method of limbing. F.E.Zakharenkov Izv.vys.ucheb.zav.; les.zhur. 6 no.3:68-76 '63.

Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Brief technological characteristics of new lumbering machinery and equipment designed by the Central Scientific Research Institute of Mechanization and the Use of Power in Lumbering] Kratkie tekhnicheskie kharakteristiki novykh lesozagotovitel'nykh mashin i oborudovaniia konstruktsii TsNIIME. [n.p.] 1962. 197 p.
[MICROFILM]

Morozov, K.P. [Repair of machines and mechanisms in logging camps] Remont mashin i mekhanizmov na lesozagotovkakh. Izd. 2., ispr. i dop. Moskva, Lesnaia promyshlennost', 1964. 510 p.

Moshonkin, N.P., D.S.Zhuk, and V.G.Snechnikov. ["Komilesprom" machine units based on the MAZ and ZIL motor vehicles] Agregatnye mashiny "Komilesprom" na baze avtomobilei MAZ i ZIL. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 101 p.

Steblev, N.M., and V.A.Bytsko. [Motor vehicles; manual for motor-vehicle drivers working in lumbering] Avtomobil'; posobie dlia shoferov, rabotaiushchikh v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 463 p.

LUMBERING—SAFETY MEASURES

[For safe working conditions in logging camps] Za bezopasnye usloviia truda na lesozagotovkakh. Syktyvkar, knizhnoe izd-vo, 1960. 22 p.
[MICROFILM]

LUMBERMEN see subdivision under Karelia

LUMINESCENCE

Chemiluminescent methods for determining the absolute rate constant of the rupture of peroxide radicals in the liquid phase. A.A.Vichutinskii Dokl.AN SSSR 157 no.1:150-153 Jl '64.

Fok, M.V. [Introduction to the kinetics of the luminescence of crystal phosphors] Vvedenie v kinetiku liuminestsentsii kristallofosforov. Moskva, Izd-vo "Nauka," 1964. 283 p.

Luminescent determination of microquantities of sulfur in nonaqueous media. A.K.Babko, L.V.Markova, T.S. TSybina. Zav.lab. 30 no.6:648-650 '64.

Mechanism of chemiluminescence during the oxidation of organic matter in solution. R.F.Vasil'ev, I.F. Rusina. Dokl.AN SSSR 156 no.6:1402-1405 Je '64.

Method for determining the absolute concentrations of excited activator particles in a scintillation mixture. B.I.Stepanov, V.S.Rubanov. Dokl.AN BSSR 8 no.2: 90-93 F '64.

Studying the interaction of deoxyribonucleic acid with Acridine Orange by the method of polarized luminescence. E.V.Anufrieva, M.V.Vol'kenshtein, T.V. Sheveleva. Biofizika 7 no.5:554-560 '62.

LUMUMBA, PATRICE, 1925-1961

The black Robespierre; book review IU.Bochkarev. Nov vrem. 22 no.31:29-31 Jl '64

LUNAR PROBES

IAkovkin, A.A., I.M.Demenko, and L.N.Miz'. [Formulas and ephemerides for field observations on the moon] Formuly i efemeridy dlia polevykh nabliudenii na Lune. Kiev, Naukova dumka, 1964. 148 p.

Our pennant is on the moon. IU.Nechaev. Av i kosm 47 no.9:11-13 S '64

Sharonov, V.V. [The Moon is the first station on the way to space] Luna - pervaia stantsiia na puti v kosmos. Moskva, Voenizdat, 1964. 97 p. (Nauchno-populiarnaia biblioteka)

Total perturbations of the elements of artificial moon satellites. V.A.Brumberg. Biul.Inst.teor.astron. 8 no.10:703-732 '62.

LUNGS

Pulmonary lipoproteins. V.A.Khramov. Sbor nauch. rab. stud. Volg. gos. med. inst. no.1:19-24 '60.

LUNGS—ANATOMY

Comparative anatomical aspect of pulmonary zones and segments. V.S.Speranskii. Arkh.anat., gist. i embr. 43 no.11:29-44 N '62.

LUNGS—CANCER

Bronchoscopic picture in bronchopulmonary cancer. G.K.Ordzhonikidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:57-60 '63.

Clinical forms of lung cancer in the initial stages. E.A. Bondarenko, B.E.Gluzbarg. Vop.onk. 9 no.6:9-14 '63.

LUNGS—CANCER (Continued)

Diagnosis of lung cancer by the cytologic study of the sputum. G. A. Arzumanian, O. A. Dalan, L. O. Arstlanian. Vop. rent. i onk. 7:280-285 '63.

Importance of bronchoscopic findings in resolving the problem of the operability of lung cancer. O.K.Ordzhonikidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:61-64 '63.

Bronchographic studies in the diagnosis of lung cancer. F.F.Matranovskaia, A.S.Mamontov, V.V.Gorodilova. Vop.onk. 10 no.3:66-71 '64.

Simultaneous bilateral superior lobectomy in bilateral primary cancer of the lungs. B.E.Peterson, A.I.Pirogov, V.B.[illegible]. Grud.khir. 5 no.5:90-92 S-O '63.

Technique of pneumonectomy. M. A. Sedgarian. Vop. rent. i onk. 7:327-329 '63.

Intrapleural sarcolysin therapy of pulmonary metastases of Walker's carcinosarcoma. N.G.Kiseleva. Pat.fiziol. i eksp.terap. 8 no.4:50-53 Jl-Ag '64.

LUNGS—DISEASES

Histogenesis and organospecific characteristics of interstitial pneumosclerosis. E. N. Nesterov. Arkh. pat. 26 no.3:32-39 '64.

International symposium on chronic nonspecific pulmonary diseases. I. K. Esipova. Arkh. pat. 26 no.2:94-95 '64.

[illegible], V. I. [Pneumonectomy in chronic suppurative diseases of the lungs] Pnevmonektomiia pri khronicheskikh nagnoitel'nykh zabolevaniiakh legkikh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo, 1964. 462 p.
(DNLM)

Zinserling, A. V. [Candidiasis of the lungs; pathological anatomy and pathogenesis] Kandidoz legkikh; patologicheskaia anatomiia i patogenez. [Leningrad] Meditsina, 1964. 154 p.
(DNLM)

X-ray observations on heart and lung changes following mitral commissurotomy. E. L. Kevesh, A. N. Gusava. Grud. khir. 5 no.5:8-16 S-O '63.

LUNGS—DUST DISEASES

Afanas'eva, L. V. [Industrial dust and its hygienic significance] Promyshlennaia pyl' i ee gigienicheskoe znachenie. Pod red. A. N. Arkhipova. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 23 p.
[DNLM MICROFILM]

[illegible]. P. P. Dvizhkov. Arkh. pat. 26 no.2:3-10 '64.

[illegible] of the course of silicotuberculosis. [illegible]. Probl. tub. 42 no.1:51-55 '64.

Lung resection in conglomerate silicotuberculosis. B. D. [illegible]. Grud. khir. 5 no.5:51-54 S-O '63.

LUNGS—RADIOGRAPHY

Review of E. E. Abarbanel's book "X-ray observations following radical surgery on the lungs". V. P. Kaznin, [illegible]. Grud. khir. 5 no.5:110-112 S-O '63.

LUNGS—SURGERY

[illegible]. Grud. khir. 5 no.5:115-120 S-O '63.

Cases of spontaneous recurarization following administration of relaxants of the nondepolarizing type. L. F. [illegible], V. V. Bondarenko. Grud. khir. 5 no.5:97-98 '63.

Changes in the composition of peripheral blood and bone marrow following resection of the lungs. N. V. [illegible], M. D. [illegible], O. I. Burdzhanadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:71-73 '63.

Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. V. S. Chefranova, A. A. Klebanova. Probl. tub. 42 no.1:44-48 '64.

Immediate and late results of the surgical treatment of pulmonary tuberculosis with large and gigantic caverns. Sh. V. Kakhtelashvili. Grud. khir. 5 no.5:41-45 S-O '63.

Importance of a ligation of the lobular bronchus in an atypical resection of the lungs. O. I. Burdzhanadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:39-42 '63.

Importance of bronchoscopic findings in resolving the problem of the operability of lung cancer. O. K. Ordzhonikidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:61-64 '63.

[illegible], V. I. [Pneumonectomy in chronic suppurative diseases of the lungs] Pnevmonektomiia pri khronicheskikh nagnoitel'nykh zabolevaniiakh legkikh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo, 1964. 462 p.
(DNLM)

Lung resection in conglomerate silicotuberculosis. B. D. [illegible]. Grud. khir. 5 no.5:51-54 S-O '63.

Mechanical suture of the stump of the main bronchus with [illegible] resection following pneumonectomy. L. K. Bogush, V. S. Severov, V. F. Didenko. Grud. khir. 5 no.5:56-59 S-O '63.

Resection of the basal segments of the lungs. I. S. Kolesnikov and others. Grud. khir. 5 no.5:46-51 S-O '63.

Review of E. E. Abarbanel's book "X-ray observations following radical surgery on the lungs". V. P. Kaznin, [illegible]. Grud. khir. 5 no.5:110-112 S-O '63.

Technique of pneumonectomy. M. A. Sedgarian. Vop. rent. i onk. 7:327-329 '63.

LUNGS—TUBERCULOSIS

Compensatory and adaptational processes in the lungs in tuberculosis. A. A. Burkin. Arkh. pat. 26 no.2:36-43 '64.

LUNGS—TUMORS

Lung tumor in a turtle, Emys orbicularis. V. M. Bresler. Vop. onk. 9 no.6:87-91 '63.

LUPINE

Effect of lupine on the flowering and fruit-bearing of the pine. IU. N. Aznlev. Dokl. AN BSSR 7 no.12:843-846 D '63.

Effect of perennial lupine on the fruiting of the Scotch pine. IU. N. Aznlev. Izv. vys. ucheb. zav.; les. zhur. 6 no.3:30-33 '63.

LUTHERAN CHURCH IN SWEDEN

Church of Sweden. S. Preobrazhenskii. Zhur. Mosk. Patr. no.7:70-76 '64.

Church of Sweden and the ecumenical movement. L. Nachis. Zhur. Mosk. Patr. no.6:59-68 '64.

LUTSK—VIEWS

[Lutsk] Luts'k. Kyiv, Mystetstvo, 1964. [6] p. illus.

LVOV PROVINCE—METEOROLOGY, AGRICULTURAL

Ukraine. Upravlenie gidrometeorologicheskoi sluzhby. [Agroclimatological manual for Lvov Province] Agroklimatychnyi dovidnyk po L'vivs'kii oblasti. Kyiv, Derzhsil'hospvydav URSR, 1959. 94 p.
(DNAL)

LVOV PROVINCE—SHOE INDUSTRY

Firms, their activities and needs. I. Braniuk. Part. zhyttia no.12:13-18 Je '64.

LVOV-VOLYN' BASIN—COAL MINES AND MINING

Advantages of auger mining in the Lvov-Volyn' Coal Basin. V. T. IArmoliuk. Ugol' Ukr. 7 no.12:26-30 D '63

LVOV-VOLYN' BASIN—ELECTRICITY IN MINING

Electric supply for mining areas in Lvov-Volyn' Basin mines. N. A. Klimenko. Ugol' Ukr. 7 no.9:29-30 S '63.

LYMPHADENOMA see Hodgkin's disease

LYMPHATICS

Effect of gravitational overloading on the structure of the vascular system. M. G. Privos. Arkh. anat. gist. i embr. 45 no.11:3-13 N '63

Efferent lymphatic vessels of the cervix uteri and ovaries. E. V. Antipova. Akush. i gin. 39 no.5:82-85 S-O '63.

Localization of ribonucleic acid in the lymph node cells. I. I. Kositeyn. Arkh. anat., gist. i embr. 43 no.8:88-95 Ag '62.

Lymphatic capillaries of the mucosa of the appendix with transplanted cancer. A. L. Rotenberg. Arkh. anat., gist. i embr. 43 no.8:90-98 Ag '62.

Lymphatic system of the mucous membrane of the human fallopian tube. M. D. Gataulov. Akush. i gin. 39 no.5:86-90 S-O '63.

Lymphatic vessels of the human conjunctiva. A. M. Gusev. Arkh. anat. gist. i embr. 45 no.11:81-87 N '63.

LYMPHATICS—AGING

Age-related anatomy of the extraorganic lymphatic apparatus of the small intestine. Arkh. anat. gist. i embr. 45 no.11:71-80 N '63.

LYMPHATICS—DISEASES

Histopathology of the connective tissues and lymphatic vessels of the cirrhotic liver. IU. F. Vikaliuk. Arkh. pat. 26 no.2:56-62 '64.

LYMPHATICS—INNERVATION

Morphology of the nervous apparatus and experimental morphological analysis of innervation of the popliteal lymph nodes. I. I. Kagan. Arkh. anat., gist. i embr. 43 no.8:64-66 Ag '62.

LYMPHATICS—TUBERCULOSIS

Broncho-nodular perforations in tuberculosis. V. D. Gol'dshtein, P. I. Kurakov, M. I. Shtern. Probl. tub. 42 no.1:28-33 '64.

Combined treatment of tuberculosis of the peripheral lymphatic nodes in children. B. A. Tkachenko. Trudy Tadzh. med. inst. 60:152-154 '61.

LYSOZYME

Immunogenesis and nonspecific factors in natural resistance. Report No. 3: Effect of active immunization on the lysozyme content in animal blood. D. F. Pleteityi, E. S. Fidel'man. Biul. eksp. biol. i med. 55 [i. e. 56] no.10:69-73 O '63.

LYUBERTSY (MOSCOW PROVINCE)—MACHINERY INDUSTRY—ACCOUNTING

Accounting for materials in auxiliary workshops. N. Strokin. Bukhg. uchet 20 no.12:52-54 D '63.

LYUBERTSY REGION (MOSCOW PROVINCE)—PRODUCE TRADE

After it has been summed up. A. Kuznetsov. Zakup. sel'khoz. prod. no.1:19-21 Ja '64.

MACARONI

Courses for improving the skills of workers in the laboratories and technical control divisions of macaroni factories. N. A. Mankeeva. Khleb. i kond. prom. 8 no.7:12 Jl '64.

Effect of pressure on the viscosity and limit shear stress of macaroni dough. K. P. Gus'kov, IU. V. Kalinin. Khleb. i kond. prom. 8 no.7:15-21 Jl '64.

MACHINE ACCOUNTING

(see also subdivision under Volgograd Province)

Alikhashkin, A. L., I. I. Gorchev, and E. S. Maiorov. [Mechanization of planning and accounting work in financial organs] Mekhanizatsiia planovo-uchetnykh rabot v finansovykh organakh. Moskva, Izd-vo "Finansy," 1964. 92 p.

"Machine accounting in agriculture" by M. M. Rapoport. Reviewed by I. Koshliak. Vest. stat. no.8:65-68 '64

Mechanize production accounting. K. Lebedev, E. Smirnov. Bukhg. uchet 20 no.12:40-45 D '63

Our practice in machine accounting. E. Obraztsov. Bukhg. uchet 20 no.12:33-40 D '63

Simplifying and mechanizing original accounting. V. Sinavina, K. Naribaev. Bukhg. uchet 20 no.12:47-50 D '63

MACHINE ACCOUNTING—BIBLIOGRAPHY see Bibliography—Machine accounting

MACHINE PARTS

Design of closed hydrostatic guides. G. A. Levit, B. G. Lur'e. Stan. i instr. 35 no.6:6-12 Je '64.

Improving the durability of mechanisms. A. M. Logvinov. Mashinostroitel' no.6:16 Je '64

Kozlovskii, N. S. [Fundamentals of the design of mechanical drives; manual on the course "Machine parts"] Osnovy proektirovaniia mekhanicheskikh privodov; uchebnoe posobie po kursu "Detali mashin." Pod red. G. I. Sosunova. Moskva, Mosk. gornyi in-t, 1961. 60 p.
[MICROFILM]

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hand machines, spindle ends, fastening places for tools] Mashiny ruchnye; kontsy shpindelei, mesta krepleniia instrumentov (MN 5065-63—MN 5072-63). Moskva, Izd-vo standartov, 1964. 52 p. (SSSR. Normali mashinostroeniia)

Strengthening and reconditioning of machine parts is a resource of enterprises. A. M. Kasparov. Vest. mashinostr. 44 no.6:86-87 Je '64.

Twenty thousand parts made of compressed wood. I. F. Nazarenko. Mashinostroitel' no.7:41-42 Jl '64.

MACHINE PARTS—DRAWINGS

Device for plotting rectangular axonometric drawings of machine parts. M. M. IUditskii. Vest. mashinostr. 44 no.6:86 Je '64.

MACHINE PARTS—RELIABILITY

Elizavetin, M. A., and E. A. Satel'. [Technological methods for increasing the durability of machinery; increasing the operational properties and reliability of machine parts] Tekhnologicheskie sposoby povysheniia dolgovechnosti mashin; povyshenie ekspluatatsionnykh svoistv i nadezhnosti raboty detalei mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 438 p.

MACHINE PARTS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Structural elements of cast parts] Elementy konstruktsii litykh detalei (RTM 12-60). Moskva, Izd-vo standartov, 1964. 52 p.

MACHINE PARTS—TESTING

Statistical investigation of the wearing process of machine parts. I. D. Tartakovskii. Vest. mashinostr. 44 no.6:65-70 Je '64.

MACHINE-SHOP PRACTICE

Dolikov, V. N., and A. N. Nikitin. [Assembly of airplane engines] Sborka aviatsionnykh dvigatelei. Moskva, Mashinostroenie, 1964. 221 p. (Tekhnologiia aviadvigatelestroeniia)

How to prevent the breakdown of drills and power packs. IA. A. Grishko, O. N. Kas'ianov, F. K. Korolev. Mashinostroitel' no.7:32-33 Jl '64.

How to prevent the skewing of threaded holes. M. Z. Loshak. Mashinostroitel' no.7:40 Jl '64

Innovations in the manufacture of tools. N. M. Kniazev. Soversh. tekh. mash. i prib. no.3:54-63 '60.

Latukhin, B. M. [Mechanization of fitting operations] Mekhanizatsiia slesarnykh operatsii. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1963. 117 p.

Two new methods of centering. V. A. Bulychev, B. E. Shalimov. Izv. vys. ucheb. zav.; av. tekh. 6 no.4:180-186 '63.

Vibratory burr removal from machine parts. A. M. Bykov, A. N. Totskii, L. D. Kolpakova. Mashinostroitel' no.7:14-15 Jl '64.

MACHINE SHOPS—HEATING AND VENTILATION

Local suction device with a telescopic pipe. I. I. Kirillov. Mashinostroitel' no.7:25 Jl '64.

MACHINE-TOOL INDUSTRY

(see also subdivision under Ryazan)

Soviet machine tools abroad. M. Stoliarov. Vnesh. torg. 44 no.6:36-39 '64.

MACHINE-TOOL INDUSTRY—HYGIENIC ASPECTS see subdivision under Krasnodar

billets N. P. Sliusar', S I Smirnov Mashinostroitel' no 7 16-17 Jl '64

Reliability of automatic lines composed of transfer machines I A Klusov. Vest mashinostr 44 no. 6 71-74 Je '64

Universal [illegible] table V. M Bukler, IA M Shumako Mashinostroitel' no 7 24 Jl '64

MACHINE TOOLS—ATTACHMENTS

Attachments increasing labor productivity of machine-tool operators A L Osmolovskii Mashinostroitel' no 6 30-31 Je '64

Auxiliary attachments for machining precise parts IU I Medvedkin Mashinostroitel' no 7 25 Jl '64

Improved attachments V K Seminskii Mashinostroitel' no 6 19-23 Je '64

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Keys and pins for mounting attachments on machine-tool tables, dimensions] Shponki i shtyri dlia ustanovki prisposoblenii na stolakh stankov, razmery (MN 4790-63—MN 4793-63). Moskva, Izd-vo standartov, 1964. 6 p. (SSSR. Normali mashinostroeniia)

Teplitskii, B. M. [Dividing heads and their use] Delitel'nye golovki i rabota na nikh. Moskva, Mashinostroenie, 1964. 215 p.

TSiporin, IU. A. [Mechanisms of technological equipment; machine tool attachments] Mekhanizmy tekhnologicheskoi osnastki, stanochnye prisposobleniia. Moskva, Izd-vo "Mashinostroenie," 1964. 339 p.

MACHINE TOOLS—DESIGN AND CONSTRUCTION

Kucher, I. M. [Machine tools, fundamentals of their design] Metallorezhushchie stanki, osnovy konstruirovaniia i rascheta. Moskva, Izd-vo "Mashinostroenie," 1964. 670 p.

MACHINE TOOLS—MAINTENANCE AND REPAIRING

Devices used in repairing G D Pekelis, E N Eliseev Mashinostroitel' no. 7,19-20 Jl '64

MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS

Velikokhatnyi, G. F., and A. F. Rakov. [Second life of a machine tool] Vtoraia zhizn' mashiny. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 69 p.
[MICROFILM]

MACHINE TOOLS—TESTING

New optical instrument for checking machine tools A. N Avdulov. Stan i instr 35 no 6 37-40 Je '64.

MACHINE TRANSLATING

Some characteristics of correct syntactic structure. L N. Iordanskaia Vop. iaz 12 no. 4:102-112 Jl-Ag '63.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur. Mashinostroi. mat., konstr. i rasch. det mash. no. 8 Ag '64.

[Technology of machinery manufacture] Ref. zhur. Tekh. mashinostr. no. 8 Ag '64.

MACHINERY—DYNAMICS

Nonuniformity of the travel of a machine. K. Ragulskis. Trudy AN Lit SSR Ser. B no. 1:215-219 '62.

Study of the steady motion of a machine with one elastic coupling. K. M Ragulskis. Trudy AN Lit. SSR Ser. B no. 1:221-227 '62.

MACHINERY—MAINTENANCE AND REPAIR

Some problems of the technical servicing of machines. B V Pavlov Nauch trudy SibVIM no 1 3-53 '63

MACHINERY—RELIABILITY

Establishing norms for the durability of machines. R V. Kugel'. Vest mashinostr. 44 no. 6:5-9 Je '64.

Problems of the strength, reliability and durability of machines Vest. mashinostr. 44 no. 6 3-4 Je '64

Quality, reliability, durability are the main problems Mashinostroitel' no. 7:1 Jl '64.

MACHINERY—SAFETY APPLIANCES

Control and help the designer V Piliugin. Sov. profsoiuzy 20 no. 14 16 Jl '64

MACHINERY—VIBRATION

Dimentberg, F. M., K. T. Shatalov, and A. A. Gusarov. [Vibrations of machinery] Kolebaniia mashin. Moskva, Mashinostroenie, 1964. 307 p.

MACHINERY, KINEMATICS OF

Kinematic diagrams of the flow-through section for turbodrill turbines. B. G. Liubimov. Trudy VNIIBT no. 7:119-135 '63.

MACHINERY INDUSTRY

(see also subdivision under Africa; Georgia; Middle Ural Economic region; Mytishchi, Moscow Province; Stavropol; Sverdlovsk)

Gulanian, Kh. G., and G. A. Tatarian. [Technological progress and labor organization; based on materials from chemical and machinery industry enterprises] Tekhnicheskii progress i organizatsiia truda; po materialam predpriiatii khimicheskoi i mashinostroitel'noi promyshlennosti. Moskva, Izd-vo "Mysl'," 1964 213 p.

avtomaticheskimi liniiami v mashinostroenii. Moskva, Izd-vo "Energiia," 1964. 87 p. (Biblioteka po avtomatike, no. 100)

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur. Vop tekh prog i org. proizv v mashinostr no. 8 Ag '64.

MACHINERY INDUSTRY—ACCOUNTING

(see also subdivision under Lyubertsy, Moscow Province, Sverdlovsk)

Ganshtak, V. I., and B I. Maidanchik. [Interplant economic analysis, methods and practice in carrying it out] Mezhzavodskii ekonomicheskii analiz, metodika i opyt provedeniia. Moskva, Ekonomika, 1964. 195 p.

Standard accounting with the use of electronic calculating machines V Lukin Bukhg uchet 20 no 12 6-8 D '63

Workshop work analysis. S Bobrovich Bukhg uchet 20 no 12 32 D '63

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Accounting for the use of equipment in machinery manufacturing A Krakovskii. Vest stat no 8 20-28 '64.

MACHINERY INDUSTRY—EXHIBITIONS see subdivision under Genoa

MACHINERY INDUSTRY—HYGIENIC ASPECTS see subdivision under Moscow

MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Moscow. Nauchno-issledovatel'skii institut truda. [Centralization of the repair of equipment and labor productivity, using the example of machinery manufacturing] TSentralizatsiia remonta oborudovaniia i proizvoditel'nost' truda, na primere mashinostroeniia. Moskva, Mashinostroenie, 1964. 130 p.

MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Communist Countries, Tula Province)

Determining economic efficiency of the increase in durability of replenishing equipment in the machinery industry L. I. Andronov. Vest. mashinostr. 43 no. 12: 75-79 D '63.

IAstrebov, N. E. [Planning and controlling serial production in the machinery industry, factory practice] Planirovanie i regulirovanie seriinogo proizvodstva v mashinostroenii, zavodskoi opyt. Moskva, Izd-vo "Mashinostroenie," 1964. 67 p.

New system of operation and production planning A. M. Kovalevskii. Vest. mashinostr 43 no. 12:67-75 D '63.

Perm. Politekhnicheskii institut. Kafedra ekonomiki. [Method for the operational planning of machinery manufacture according to a fixed schedule, basic principles and practical application] Metodika operativnogo planirovaniia mashinostroitel'nogo proizvodstva po neizmennomu grafiku; osnovnye polozheniia i opyt prakticheskogo primeneniia. Perm', 1964. 47 p.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Kharkov; Mytishchi, Moscow Province)

Backbone of industry. D. Ryzhkov. NTO 5 no. 12:6-8 D '63.

Give trade-union support to technological creativeness. Sov profsoiuzy 20 no 14:2-3 Jl '64

Increase the economic efficiency of new equipment. G. A. Vasil'ev. Sbor. nauch. inform. Nauch. sov. po eff. osn fond. kap. vlozh. i nov. tekh. AN SSSR no. 4:127-132 '63.

MACHINERY INDUSTRY—VOCATIONAL GUIDANCE see subdivision under Gorkiy

MACHINERY INDUSTRY WORKERS—DISEASES AND HYGIENE see subdivision under Sverdlovsk; Sverdlovsk Province

MACHINISTS' TOOLS

Remover connected with a screwdriver. V. V. Zhokhov. Mashinostroitel' no 6 29 Je '64.

The secret of a wrench and screwdriver. V. Aleksandrov. Grazhd av. 21 no. 6 21 Je '64

MACROMOLECULAR COMPOUNDS

Plastic coal mass on the basis of concepts on the physical chemistry of high polymers M T. Emtsev. Trudy IGI 20 86-91 '63

Use of a new variant of the resonator method for measuring dielectric constants for the study of high molecular weight compounds. V. B. Kazanskii, L. D. Stepin, V K. Tkach. Biofizika 8 no. 1:112-116 '63.

MAGADAN PROVINCE—ECONOMIC CONDITIONS

[10 years of Magadan Province] 10 let Magadanskoi oblasti. [Magadan, Magadanskoe knizhnoe izd-vo, 1963] 210 p.

data from Magadan medical institutions. N.S.Ivchenko. Med. paraz. i paraz. bol. 32 no. 4:411-414 Jl-Ag '63.

MAGADAN PROVINCE—SPRUCE

Picea obovata Ldb. at the far northwestern boundary of its range. Z. M. Naumenko. Bot. zhur. 49 no. 7:1009-1013 Jl '64.

MAGADAN PROVINCE—TAPEWORMS

Echinococcosis and alveococcosis in Magadan Province; data from Magadan medical institutions. N S. Ivchenko. Med. paraz. i paraz. bol. 32 no. 4 411-414 Jl-Ag '63.

MAGMA

Interaction of acid magma with xenoliths. O. M. [illegible] Zap. Kir. otd. Vses. min. ob-va no. 4:13-25 '63.

Some physicochemical and geological conditions governing the formation of granite magma. V. A. Maslenikov. Trudy Lab. geol. dokem. no. 19:230-250 '64.

MAGNESIUM

Magnesium diffusion in iron-chromium and iron-manganese alloys E S. Kartozia Trudy GPI [Gruz.] no. 4 75-80 '62

MAGNESIUM ALLOYS—FOUNDING

Dovgalevskii, IA. M. [Cast magnets from magnesium-nickel-cobalt alloys] Litye magnity iz splavov magniko. Moskva, Mashinostroenie, 1964. 149 p.

MAGNESIUM-CERIUM ALLOYS—METALLOGRAPHY

Investigating the recrystallization of magnesium-cerium alloys. E. S. Kadaner, A. A. Oreshkina. Trudy Inst. met. no. 14:130-138 '63.

MAGNESIUM CHLORIDE

Determination of transport numbers in aqueous solutions of magnesium chloride. N. L. Varshavskaia, I. A. Kalmakov. Zhur. fiz. khim. 38 no. 2:461-463 F '64.

Preparation of magnesium chloride from magnesium gypsum. S. N. Stavrov, E. M. Eidinova. Khim. prom. [Ukr.] no. 3:76-78 Jl-S '63.

MAGNESIUM COMPOUNDS

Crystalline structures of compounds rich in magnesium in the systems La - Mg, Ce - Mg, and Nd - Mg. V. I Evdokimenko, P. I. Kripiakevich. Kristallografiia 8 no. 2:186-193 Mr-Ap '63

MAGNESIUM IN THE BODY

Determination of calcium and magnesium in the blood serum using sodium tripolyphosphate. E. I. Galkina, S. F. Zavgorodnyi. Vop. med. khim. 9 no. 2:207-209 Mr-Ap '63.

Effect of cobalt and magnesium salts on the secretory function and chemical composition of saliva in sheep N. S. El'tsau. Vestsi AN BSSR. Ser. biial. nav. no. 4: 67-73 '63.

MAGNESIUM ISOTOPES

Radiative capture and inelastic scattering of protons by Mg^{26} nuclei. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1140-1144 Jl '64.

MAGNESIUM-NEODYMIUM ALLOYS—TESTING

Effect of addition elements on the properties of alloys in the system Mg - Nd. M. E. Drits, Z. A. Sviderskaia, L. L. Rokhlin. Trudy Inst. met. no. 14:120-130 '63.

MAGNESIUM-NIOBIUM ALLOYS see Niobium-magnesium alloys

MAGNESIUM ORGANIC COMPOUNDS

Exchange reactions of alkyls between organomagnesium compounds and halides. L. I. Zakharkin, O. IU. Okhlobystin, K. A. Bilevich. Izv. AN SSSR. Ser. khim. no. 7: 1347-1349 Jl '64.

Reaction of acetomesitylene with organomagnesium compounds. M. R. Kulibekov. Azerb. khim. zhur. no. 5: 55-59 '63.

MAGNESIUM SULFATE—THERAPEUTIC USE

Effect of magnesium sulfate on hallucinations in acute and chronic alcoholic hallucinosis. M. A. Rybalko. Trudy Gos. nauch.-issl. inst. psikh. 40:118-124 '63.

MAGNESIUM-VANADIUM ALLOYS see Vanadium-magnesium alloys

MAGNETIC AMPLIFIERS

Circuits of magnetic amplifiers providing increased stability. V. N. Svidchenkova. Elektrotekhnika 35 no. 6:10-13 Je '64.

Construction of industrial magnetic amplifiers with toroidal ribbon cores. T. Kh. Stefanovich. Elektrotekhnika 35 no. 6:8-9 Je '64.

Design of an optimum magnetic power amplifiers. IU. V. Smirnov. Elektrotekhnika 35 no. 6:15-19 Je '64

Optimum fundamental dimension of toroidal cores for saturable reactors with multiple windings. V. A. Andreev. Elektrotekhnika 35 no. 6:14-15 Je '64.

Prospects for using magnetic amplifiers in industrial automatic control systems and electric drives. A. L. Pisarev. Elektrotekhnika 35 no. 6:1-4 Je '64.

USO magnetic power amplifiers. E. T. Abgarian, G. S. Suvarian. Elektrotekhnika 35 no. 6:4-7 Je '64.

MAGNETIC ANOMALIES

Calculation of the plan of anomalous magnetic and gravitational fields and the determination of the horizontal dimensions of disturbing bodies. S Blinstrubas Trudy AN Lit SSR. Ser. B no 1:85-96 '62

MAGNETIC CIRCUITS

Consideration of air gaps in joints in the calculation of the parameters of fused magnetic circuits. V.I Novash, IU.G.Rumiantsev Izv.vys.ucheb zav., energ 7 no.7:84-88 Jl '64

Method for recording in carrying out logical operations using multicore magnetic elements M.A Rozenblat, N.D Nanobashvili Elektrotekhnika 35 no.5:56-58 My '64

Optimum fundamental dimension of toroidal cores for saturable reactors with multiple windings. V.A. Andreev. Elektrotekhnika 35 no.6:14-15 Je '64

MAGNETIC FIELDS

Confinement of a dense plasma carrying a current in a magnetic field. L.L.Pasechnik, O.V.Kozak, V.V. IAgola. Zhur.tekh fiz. 34 no 5:873-878 My '64.

Effect of a constant magnetic field on a stationary corona discharge. V.N.Kostin, V.M.Tkachenko. Zhur.tekh.fiz. 34 no.5:883-887 My '64.

Effect of a constant magnetic field on a stationary corona discharge. V.N.Kostin, V.M.Tkachenko. Zhur.tekh. fiz. 34 no.7:1252-1258 Jl '64.

Effect of a magnetic field on the structure of the water jet from a hydraulic giant. R.A.Bretush Dop. AN URSR no.8:1073-1074 '64

Experimental test of the thermodynamic theory of spin-spin paramagnetic relaxation in single crystals of salts of the iron group depending on their orientation in a parallel magnetic field H_0. P I. Volokhova. Izv. vys. ucheb. zav.; fiz. no.4:80-84 '64

Force-free current distributions. A.N.Lebedev. Zhur. tekh.fiz. 34 no.5:812-817 My '64.

Interaction between plasma clots and a transverse magnetic field. I.I.Demidenko and others. Zhur.tekh. fiz. 34 no.7:1163-1190 Jl '64.

An interesting concept. R.A.Voronov and others. Vop. filos. 18 no 7 170-172 '64

Investigating the effect of a transverse magnetic field on the rate of magnetic reversal of thin permalloy films. R V.Telesnin, O.S.Kolotov. Fiz.met.i metalloved 17 no.6:834-838 Je '64.

Magnetic field inside a cylinder with a rotating exterior radial field. R.S.Kuznetskii. Zhur.tekh.fiz. 34 no.5:909-911 My '64.

Magnetohydrostatic purification of liquid metal from nonmetallic inclusions L.A.Verte. Fiz.met i metalloved 17 no.5 772-773 My '64

Particle and heat fluxes in a plasma along a high magnetic field. IU.M.Aliev, A.R.Shister. PMTF no.2:60-65 Mr-Ap '64.

Resonance probing of a plasma in a magnetic field. V.G.Davidovskii, L.V.Dubovoi, A.G.Ponomarenko. Zhur.tekh.fiz. 34 no.7:1242-1251 Jl '64.

Stability of a current in a transverse magnetic field. A.F Nastolashchii. Teplofiz vys temp 2 no.3:321-328 My-Je '64

Unsteady plane-parallel flow of a partially ionized gas in a high magnetic field. E.G.Sakhnovskii. Prikl. mat.i mekh. 28 no.4:670-677 Jl-Ag '64.

MAGNETIC FIELDS—MATHEMATICAL MODELS

Tozoni, O.V. [Mathematical models for the calculation of electrical and magnetic fields] Matematicheskie modeli dlia rascheta elektricheskikh i magnitnykh polei. Kiev, Naukova dumka, 1964. 301 p.

MAGNETIC RECORDERS AND RECORDING
(see also subdivision under Czechoslovakia)

"Chaika" magnetic tape recorder. A.Bystrov, V.Il'in. Radio no.1:37-38 Ja '64.

Method of synchronized sound recording used in the Central Studio of Documentary Films. V.A.Nesterov, V.K.Markhon'ko. Tekh.kino i telev. 8 no.7:36-41 Jl '64.

MAGNETIC SEPARATION OF ORES
(see also subdivision under Krivoy Rog Basin)

Basic regularities in the distribution of sulfur compounds and iron in the products of the magnetic separation of Donets Basin coals. I.D Remesnikov. Trudy IGI 20 28-33 '63.

Effect of magnetic additions of various sizes on the preparation of coal and its dedusting. I.D.Remesnikov, N.N.Mikhailova. Trudy IGI 20:20-27 '63.

MAGNETIC TESTING

Methods of instrument control Part 3: Magnetic flaw detection S Luts'ko, G Shelikhov. Av i kosm. 47 no.9:71-76 S '64.

MAGNETISM, TERRESTRIAL

IAnovskii, B.M. [Terrestrial magnetism] Zemnoi magnetizm. [Leningrad] Izd-vo Leningr. univ.
Vol.1. [Morphology and theory of the earth's magnetic field and its variations] Morfologiia i teoriia magnitnogo polia Zemli i ego variatsii. 1964. 445 p.

Magnetic anisotropy of artificial sedimentation. A.IA. Vlasov, G.V.Kovalenko Izv.AN SSSR.Ser.geofiz. no 8 1206-1212 Ag '64.

Use of the free precession of nuclei in the earth's magnetic field in measuring the rate of flow of certain fluids. P.M.Borodin. Zhur tekh.fiz. 34 no.7: 1328-1336 Jl '64

MAGNETISM, TERRESTRIAL—GRAPHIC METHODS

Provodnikov, L.IA. [Collection of dot charts for determining the elements of magnetized bodies (depth, magnitude, and intensity of magnetization) without error in selecting a normal field] Al'bom paletok dlia opredeleniia elementov zaleganiia namagnichennykh tel glubiny, moshchnosti i intensivnosti namagnichenila) bez oshibki za vybor normal'nogo polia. Novosibirsk, 1963. 38 p. diagrs. (in portfolio) (Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy, no 26)

MAGNETITE see subdivision under Dashkesan region (Azerbaijan)

MAGNETITE—MAGNETIC PROPERTIES

Alteration of the magnetic properties of spherical magnetites manufactured by the "wet method" (Czechoslovakia). I.Vavra. Tekh.kino i telev 8 no 7 32-35 Jl '64.

MAGNETIZATION

Changing thin ferromagnetic films in the direction of difficult magnetization IA M Pogosian Fiz met i metalloved 17 no 5 678-683 My '64

Theory of the magnetization of ferromagnetic materials with two magnetic sublattices V G Bar'iakhtar, L A Shishkin Fiz met i metalloved 17 no 5 664-671 My '64

MAGNETOACOUSTIC EFFECT

Magnetoacoustic effect in piezoelectric semiconductors A A Grinberg, N I Kramer Dokl AN SSSR 157 no 1 79-82 Jl '64

MAGNETOELECTRIC EFFECT

Detection of the anisotropy of the B n-Ge transverse galvanomagnetic effect. A.Allanazarov Izv AN Turk. SSR. Ser.fiz.-tekh.,khim i geol.nauk. no.2 116-118 '63.

MAGNETOHYDRODYNAMICS

Acceleration of a rotating plasma in axisymmetric channels. A.I.Morozov, L.S.Solov'ev. Zhur.tekh. fiz. 34 no.7:1154-1169 Jl '64

Conductivity of a turbulent plasma in the approximation of magnetohydrodynamics V M Eleonskii, IU.IA Poliak Atom.energ 17 no 2 141-142 Ag '64

Effect of the shape, orientation and conductivity of bodies on their electromagnetic repulsion from a conducting fluid. A.V.Andreev, U TS.Andres. PMTF no.2:140-143 Mr-Ap '61.

Heat transfer in a completely ionized nonisothermal plasma moving in a channel with a magnetic field. V V. Gogosov. PMTF no.2:50-59 Mr-Ap '64.

Heat transfer in the flow of a conducting fluid at small Reynolds numbers. I.I.Novikov, L D.Pichakhchi. PMTF no.2:143-145 Mr-Ap '64

Plane flows of an ideally conducting compressible fluid, allowing for the Hall effect. A.I.Morozov, L.S.Solov'ev. Zhur.tekh.fiz. 34 no.7:1141-1153 Jl '64.

Stability of a liquid layer of variable density in the presence of a magnetic field. V.A.Vardanian. PMTF no.2:138-130 Mr-Ap '64.

Theory of the rotation of a gravitating gas magnetic medium. L.M.Ozernoi. Soob.GAISH no.133 28-36 '61.

MAGNETOHYDRODYNAMICS—BOUNDARY VALUE PROBLEMS

Method of solution of nonstationary one-dimensional problems in magnetohydrodynamics E Levi, M Sandler. Teplofiz.vys temp. 2 no 3 351-358 My-Je '64

Problem of the optimum distribution of conductivity in a fluid moving in an external magnetic field. K.A. Lur'e. PMTF no.2:29-39 Mr-Ap '64.

Some two-dimensional problems of the electric current distribution in the channel of a magnetohydrodynamic generator with nonconducting partitions. A.B.Vatazhin, N.G.Nemkova. PMTF no.2:40-49 Mr-Ap '64

Vibrational convective instability of a conducting fluid in a magnetic field. M.I.Shliomis. Prikl.mat.i mekh. 28 no.4:678-683 Jl-Ag '64.

MAGNETO-OPTICAL EFFECT

Microscopic theory of magneto-optical effects in ferromagnetic materials. A.N.Voloshinskii, G.A. Bolotin. Fiz.met.i metalloved. 17 no.4:481-489 Ap '64.

MAGNETORESISTANCE

Negative magnetoresistance in hexagonal n-silicon carbide. M.Mirzabaev, V.M.Tuchkevich, IU.V. Shmartsev. Izv.AN SSSR.Ser.fiz. 28 no.8:1300-1305 Ag '64.

MAGNETOTHERMAL EFFECTS see Thermomagnetism

MAGNETRONS

Gas discharge counter in an impulse magnetron. H.B. Bogdanov, S.O.Senets'kyi. Avtomatyka 8 no.6:78-80 '63.

MAGNETS

Dovgalevskii, IA M. [Cast magnets from magnesium-nickel-cobalt alloys] Litye magnity iz splavov magniko Moskva, Mashinostroenie, 1964. 149 p

MAGNITOGORSK—CEMENT INDUSTRIES—ACCOUNTING

What we gained from an analysis of production costs. A.S. Saratov. TSement 30 no.1 18 Ja-F '64.

MAGNITOGORSK—RAILROADS—MANAGEMENT

Improved technology of the processing of car flows in the station S.A Boguslavskii Zhel dor.transp. 46 no 1.61-65 Ja '64.

MAGNITOGORSK—STEEL—METALLURGY

Dikshtein, E.I., D.I.Deineko, and V.G.Antipin. [Steelmaking at the Magnitogorsk Metallurgical Combine] Staleplavil'noe proizvodstvo na MMK. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 43 p.

MAGOMAEV, MUSLIN

Vocal evenings A.Orfenov. Sov.muz. 28 no.2:100 F '64

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

Maiakovskii, V.V. [Maiakovskii as artist] Maiakovskii - khudozhnik. [Moskva, Sovetskii khudozhnik, 1963] 141 p. (NjP)

Studying the rhythm of Maiakovskii. A.N.Kolmogorov Vop.iaz. 12 no.4 64-71 Jl-Ag '63.

MAIL-ORDER BUSINESS see subdivision under Uzbekistan

MAIZE see Corn (Maize)

MAKARCHENKO, ALEKSANDR FEDOROVICH, 1903-

Outstanding scientist of Lenin's cast; on the occasion of the 60th birthday of Academician O F. Makarchenko, member of the Academy of Sciences of the Ukrainian S.S R. D S Vorontsov, R.S.Zlatin Fiziol zhur [Ukr] 9 no.6:805-809 N-D '63

MAKEYEVKA (DONETSK PROVINCE)—STEEL INDUSTRY—ACCOUNTING

Mechanize production accounting K Lebedev, E Smirnov Bukhg uchet 20 no 12 40-45 D '63

MAKSIMOV, VLADIMIR

Man has conquered. A.Berzer. Nov.mir. 39 no.4: 253-255 Ap '63.

MALACHITE GREEN

Aryl methane dyes. Part 5: Transformations of malachite green and its derivatives in sulfuric acid. N.G.Belotserkovskaia, O.F.Ginzburg. Zhur.ob.khim. 34 no.7:2275-2282 Jl '64.

Reaction of mercury with malachite green. M.P.Anan'evskaia. Trudy NPI 143:3-9 '63.

MALARIA see subdivision under Guinea

MALARIA—PREVENTION

Progress and prospects of the complete eradication of malaria in the U.S.S.R. P.G.Sergiev and others Med.paraz.i paraz.bol. 32 no.4.424-435 Jl-Ag '63.

MALAWI—ECONOMIC CONDITIONS

Nyasaland becomes Malawi E IAkovleva Az i Afr seg 8 no.6 26-28 Je '64

MALAYSIA, FEDERATION OF—FOREIGN RELATIONS—BRUNEI

Brunei petroleum and Malaysia IU.Khrenov. Az i Afr seg 8 no 6 22-23 Je '64

MALEIC ACID

Reaction of some 1,4-dihydropyridin
anhydride and maleic acid. A.S.A
Khidekel'. Izv AN SSSR Ser.khim
Jl '64.

MALEIC ANHYDRIDE

Production of chlorine-containing m
condensation of hexachlorobutadien
anhydride and its esters. IU.G.M
Guseinov, E.M.Treivus. Azerb.k
39-43 '63.

Reactions of some 1,4-dihydropyrid
anhydride and maleic acid. A.S.A
Khidekel'. Izv.AN SSSR.Ser.khim
Jl '64.

MALI—ECONOMIC CONDITIONS

The new life in Mali; an interview w
N.Paklin. Nov.vrem. 22 no 35:

MALONIC ACID

Aryl-β-amino acids. Part 4: V.M.
with some aryl aliphatic aldehydes
δ-[p-di(2-chloroethyl)aminophenyl
acid. N.G.Chernova, E.I.Rybkina
Zhur.ob.khim. 34 no 7:2129-2133

Reformatskii reaction with bromom
Further study of the reaction of br
with benzaldehyde. N.S.Vul'fson,
Seniavina. Zhur.ob.khim. 34 no
'64.

MALONIC ACID (Continued)

Relative reactivity of primary and secondary alkyl halides in reactions with sodium malonic ester A.V. Bogatskii, O S.Stepanova. Nauch ezhegod.Khim fak Od un no.2 87-89 '61.

Synthesis of β-alkoxyethylisopropylmalonic esters. A.V. Bogatskii, S.G.Golentovskaia. Nauch ezhegod Khim. fak.Od un no.2 94-97 '61.

Synthesis of disubstituted malonic esters with a β-phenoxyethyl group. Z.D Bogatskaia Nauch.ezhegod Khim.fak Od.un. no.2 91-94 '61.

MALT

Extraction of proteolytic enzymes from malt shoots. N.V.Leonovich, IU.D.Kaprova. Trudy TSentr.nauch.-issl.inst.piv.,bezalk.i vin.prom. no.10:130-132 '63.

Production of fermented dark brewing barley malt. A.G.Fedorov. Trudy TSentr.nauch.-issl.inst.piv., bezalk.i vin.prom. no.10:90-97 '63.

MALTA—POLITICS AND GOVERNMENT

Our atlas; Malta. G Isaev. Mezhdunar.zhizn' 11 no.9: 148-149 S '64.

MAMMALS—PARASITES see Parasites—Mammals

MAMMARY GLANDS

Cytochemistry of DPN-H and TPN-H-tetrazolium reductases in the secretory cells of the mammary gland M.V.Shornikova. Dokl.AN SSSR 158 no.1 196-198 S-O '64.

Pathogenic role of the mammary gland secretion. S.S. Atanasian. Vop.rent.i onk 7:305-310 '63.

MAN—INFLUENCE ON NATURE

Interaction of nature and society and modern geography F V.Konstantinov. Izv.AN SSSR.Ser.geog. no 4:12-22 '64.

MAN—ORIGIN

[At the sources of humanity, main problems of anthropogenesis] U istokov chelovechestva; osnovnye problemy antropogeneza. [Moskva] Izd-vo Mosk. univ., 1964. 316 p.

MANGANESE—METALLURGY

Kinetics and the mechanism of the reduction of manganese oxides by carbon. Report no.2. Izv.vys.ucheb.zav.; chern.met. 7 no.7:10-16 '64.

MANGANESE ALLOYS—MAGNETIC PROPERTIES

Anomalous temperature dependence of the paramagnetic susceptibility of certain manganese alloys. D.I Volkov, P A Pshenichkin, N I Bublik Fiz met i metalloved 17 no.5 696-702 My '64

MANGANESE-CADMIUM-ALUMINUM ALLOYS see Aluminum-manganese-cadmium alloys

MANGANESE CARBONYL

Derivatives of manganese pentacarbonyl. A.N.Nesmeianov, K.N.Anisimov, N.E.Kolobova. Izv.AN SSSR.Ser. khim. no.7:1356 Jl '64.

MANGANESE COMPOUNDS

Complex compounds of manganese and nickel chlorides with dicyanamide. S.N.Avakian, R.S.Eminian. Izv. AN Arm.SSR.Khim.nauki 16 no.1:13-17 '63.

MANGANESE FERRATES—MAGNETIC PROPERTIES

Determining the field induced constant of uniaxial magnetic anisotropy in Mn-Fe ferrites. K.M.Bol'shova, T.A.Elkina. Fiz.met i metalloved 17 no.6:819-826 Je '64.

MANGANESE-IRON-CARBON ALLOYS see Iron-manganese-carbon alloys

MANGANESE-NICKEL-ZINC ALLOYS see Nickel-manganese-zinc alloys

MANGANESE ORES

Making silicomanganese from a single charge mixture on the basis of a 4th-grade manganese ore A.T.Khvichia, S G.Samkharadze, G.B.Babitskii. Trudy GPI [Gruz.] no.4:33-38 '62

MANGANESE ORGANIC COMPOUNDS

Ethers of 2-hydroxyhexen-5-yn-3-yl-2-cyclopentadienylmanganese tricarbonyl. K.N.Anisimov and others. Izv.AN SSSR.Ser.khim. no.7:1320-1322 Jl '64.

Homologs of cyclopentadienylmanganese tricarbonyl. A.N.Nesmeianov and others. Izv.AN SSSR.Ser.khim. no.7:1326-1327 Jl '64.

Isomerization of 2-hydroxy-4-pentyn-2-yl-cyclopentadienyl-manganesetricarbonyl and 2-hydroxy-2-phenyl-4-methylpentyne to the respective enones. A.N. Nesmeianov and others. Dokl. AN SSSR 158 no.1:163-166 S-O '64.

MANGANESE PLATING

Some particular features of a simultaneous discharge of manganese and hydrogen ions. V.P.Galushko, IU.M. Loshkarev. Trudy DKHTI no.16:59-64 '62.

MANGANESE—SILICON ALLOYS see Silicon-manganese alloys

MANGANESE STEEL

Machining high-manganese steel. P F.Parasiuk Mashinostroitel' no 7:31 Jl '64

MANGANESE STEEL—TESTING

Improving the machinability of G 13 L steel. S I Samoilov, V.D Spiridonov. Trudy Ural.politekh inst no 129:113-116 '63.

MANGYSHLAK PENINSULA—LOCUSTS

Polymorphism and phase variability of Dociostaurus kraussi Ingen. (Orthoptera, Acrididae) on the Mangyshlak Peninsula and in the Usturt M.P.Mal'kovskii. Ent oboz 42 no.4:778-781 '63

MANIC-DEPRESSIVE PSYCHOSES

Lukomskii, I.I. [Manic-depressive psychosis] Maniakal'no-depressivnyi psikhoz. Moskva, Meditsina, 1964. 114 p. (Biblioteka prakticheskogo vracha)
(DNLM)

MANNICH BASES

Preparation of lepidine and its derivatives from aromatic amines and Mannich bases. B.I.Ardashev, E.Sh. Kagan. Zhur.ob.khim 34 no.7,2228-2230 Jl '64.

Reaction of aromatic amines with Mannich bases. G.I. Denis, L.V.Chekuolene, P.F.Butskus. Zhur.ob.khim 34 no.7:2479 Jl '64.

MANOMETER

Certain results of deep-well investigations of gas wells with MGG-2_u and DGM-4/2 manometers. M.A. Bernshtein, S.S.Blokh, V.I.Belov. Gaz.prom 9 no.4:7-10 '64.

Deep-well remote-control manometer for the determination of the intensity of circulation loss in a bore hole S G.Temkin and others Trudy KNII NP no 17 97-105 '62

Investigating a manometer with a pressure resistant effective piston surface. M.K.Zhokhovskii, V V. Bakhvalova. Izm tekh no.3:24-27 Mr '64

MGP-600 depth piston manometer. G.G.Poliakov. Mash. i neft obor no 6:31-32 '63.

Unified transformer pickup for pressure measurements. A.I Ioffe Izm.tekh. no.3:28-31 Mr '64

MANOMETER—SAFETY APPLIANCES

Damping device for manometers K.K.Larichev. Izm. tekh. no.3:28 Mr '64

MANOMETER—TESTING

Hydraulic stand for the calibration and testing of type DP mercury differential manometers. V.G.Semenov. Masl.-zhir.prom. 30 no.7:38 Jl '64.

MANUAL TRAINING

Imperfect aid on manual training. I.V.Bugaevich. Nach.shkola 32 no.8 95-96 Ag '64.

Manual training and socially useful work. I.G.Rozanov. Nach.shkola 32 no.8 27-34 Ag '64.

This is how they teach the work in manual training classes. V.Fat'ianov. Nach.shkola 32 no.8:94-95 Ag '64.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref.zhur.: Kommun., byt i torg.obor. no.8 Ag '64.

[Light industry] Ref.zhur.: Leg.prom. no.8 Ag '64.

MANURE SPREADERS

Helping crops. NTO 6 no.6:9-12 Je '64

MANUSCRIPTS, SLAVIC

Publication of Old Slavic manuscripts containing chants. E.I.Koschmieder. Vop.iaz. 12 no.4:145-147 Jl-Ag '63.

MANUSCRIPTS, WHITE RUSSIAN

Romance of Alexander. V.S.Golyshenko, V.F.Dubrovina. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1:64-67 Ja-F '64.

MANYCH DEPRESSION—GAS, NATURAL—GEOLOGY

Prospects for finding gas in the Khadum sediments in the western part of the Manych Depression. V.N. Engibarov. Izv.vys ucheb.zav.; neft' i gaz 5 no.10: 3-8 '62.

MAP PROJECTION

Concerning D.A.Larin's book "Scientific and technical geographic map projection." M.I.Nikishov. Geod.i kart. no.5:69-71 My '64.

MAPS

A.M.Vil'brekht's cartographic works. N.V.Lemus. Mat.Otd.mat.geog.i kart.Geog.ob-va SSSR no.1:17-28 '61.

Remarkable tradition. P.M.Gorshkov. Mat.Otd.mat. geog.i kart.Geog.ob-va SSSR no.1:54 '61.

MAPS, TOPOGRAPHIC

What is known about the topography of the earth. O.S. Steblin-Kamenskaia. Mat.Otd.mat.geog.i kart.Geog. ob-va SSSR no.1:42-46 '61.

MARGARINE see Oleomargarine

MARI A.S.S.R.—LIBRARIES AND READERS

Using all the possibilities. Z.Getmanova. Bibliotekar' no 8 54-56 Ag '64.

MARI A.S.S.R.—LUMBERING—MACHINERY

Working out the method of feeding trees to rotary limbing machines by two trucks. V.E.Pechenkin and others. Izv vys.ucheb.zav.; les.zhur. 6 no.3:60-61 '63.

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Antonov, S.I., and IU.L.Itskovich. [Diesel-electric motorships] Dizel'-elektrokhody. Moskva, Transport, 1964. 307 p.

Karpovich, V.A. [Diesel engine plants with controllable pitch propellers] Dizel'nye ustanovki s vintami regulruemogo shaga. Leningrad, "Sudostroenie," 1964. 203 p.

Using ammonia as a neutralizing agent in ship diesels operating on sulfurous fuel. IU.M.Akivis, G.N. Kharin, A.M.Stepanov. Khim.i tekh.topl.i masel 9 no.4:49-51 Ap '64.

MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR

Bushuev, N.V., and A.G.Gromyko. [Repair of marine diesel engines] Remont sudovykh dizelei. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 307 p.

MARINE ENGINEERING

Gurovich, A.N. [Ship equipment and the internal outfitting of ships] Sudovye ustroistva i vnutrennee oborudovanie sudov. Leningrad, Sudostroenie, 1964. 207 p.

Kichkin, I.I. [Transducers in marine remote control systems] Datchiki sudovykh sistem distantsionnogo kontrolia. Pod red. G.P.Katysa. Moskva, Izd-vo "Transport," 1964. 209 p.

Kilesso, A.I. [Modern machine shop ships] Sovremennye suda-masterskie. Leningrad, "Sudostroenie," 1964. 249 p.

MARINE ENGINEERING—SAFETY MEASURES

Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. [Safety regulations and industrial sanitation on ships of the river fleet, power plants and machinery] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na sudakh rechnogo flota, silovye ustanovki i mekhanizmy. Moskva, Izd-vo "Rechnoi transport," 1962. 90 p.

[MICROFILM]

MARINE ENGINES

Mezin, E.K. [Electrical machinery on ships] Sudovye elektricheskie mashiny. Moskva, Izd-vo "Transport," 1964. 382 p.

MARINE GAS TURBINES

Chiniaev, I.A. [Marine gas turbines] Sudovye gazovye turbiny. Moskva, Transport, 1964. 223 p.

MARINE SEDIMENTS see subdivision under Azov, Sea of

MARITIME TERRITORY—COAL

Coal resources in the Maritime Territory and the Amur Valley and their present use. V.S Turetskii. Trudy DVFAN SSSR.Ser.khim. no.6:5-13 '62.

MARITIME TERRITORY—GINSENG—DISEASES AND PESTS

Fungus diseases of plants of the ginseng family in the Maritime Territory. I.A.Bunkina. Mat.k izuch.zhen' i drug.lek.rast.Dal'.Vost. no.5:211-216 '63.

MARITIME TERRITORY—PETROLEUM GEOLOGY

Fractured oil and gas reservoir rocks in the Mesozoic of the Maritime Territory I.A Shekhorkin. Trudy VNIGRI no.228:27-33 '64.

MARKETING—COSTS

Classification of marketing costs in supply and sale organizations. I Ratner. Bukhg.uchet 20 no.12 18-19 D '63.

MARKIN, NIKOLAI GRIGOR'EVICH, 1893-1918

Nazarov, A.F. Nikolai Markin. Moskva, Voenizdat, 1964. 106 p. (Sovetskie polkovodtsy i voenachal'niki)

MARKOVYCH, MARIIA OLEKSANDRIVNA (VILINSKAIA), 1834-1907

Zasenko, O.IE. [Marko Vovchok; her life, works, and place in the history of literature] Marko Vovchok, zhyttia, tvorchist', mistse v istorii literatury. Kyiv, Vyd-vo akad. nauk URSR, 1964. 653 p.

MARRIAGE

Kharchev, A.G. [Marriage and family in the U.S.S.R.; essay in sociological research] Brak i sem'ia v SSSR; opyt sotsiologicheskogo issledovaniia. Moskva, Izd-vo "Mysl'," 1964. 323 p.

MARROW

Bone marrow hematopoiesis in patients with malignant ovarian tumors. I.L.Turbina. Vop.onk. 9 no.6:26-30 '63.

Changes in the composition of peripheral blood and bone marrow following resection of the lungs. N.V.Dzhibladze, N.G.Larionova, O.I.Burdzhanadze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:71-73 '63.

MARROW (Continued)

Combined effect of low-frequency vibration and X rays at a dose of 50 r on the cells of the marrow of mammals. IU.S.Domin. Dokl.AN SSSR 157 no.4:972-974 Ag '64

Cultivation of human bone marrow in vitro and its autoradiography. S.V.Kanaev, A.V.Kuleshov. Lab delo no 7 430-434 '64.

Orientation standards of the percent composition of peripheral blood and bone marrow punctates in normal dogs. A.K.Ivanion. Pat.fiziol.i eksp.terap. 6 no.4:73-75 Jl-Ag '62.

Study of the mitotic cycles of marrow cells. A.I. Zosimovskaia. Arkh.anat.,gist.i embr. 43 no.11:99-111 N '62.

MARROW—CANCER

Treatment of multiple myeloma with sarkolysine. N.B. Merkulova. Vop.onk. 10 no.3:51-57 '64.

MARROW—DISEASES

Thrombocytopoiesis in myeloproliferative diseases. M.M.Degtiareva. Probl.gemat.i perel.krovi 8 no.8:30-36 Ag '63.

MARROW—TRANSPLANTATION

Implantation of bone marrow in mice. TS.I.Abakeliia, N.M.Zavrieva. Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 11:160-172 '63.

MARROW—TUMORS

A (hypo) gammaglobulinemia in paraprotein reticuloses (multiple myeloma, Waldenstrom's disease). G.A. Alekseev. Probl.gemat.i perel.krovi 8 no.8:41-45 Ag '63.

Intracellular crystalloid inclusions in multiple myeloma. N.E.Andreeva. Probl.gemat.i perel.krovi 8 no.8: 45-48 Ag '63.

Kahler-Rustitskii's disease. E.M.Semenskaia, L.M. Fel'dman. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:155-162 '63.

MARRUBIUM

Chemical investigation of Marrubium praecox Janka of the mint family (Labiatae) T.V.Zinchenko, I.M.Fefer Farmatsev.zhur 16 no.1:47-51 '61

MARTYANOV, PETR ALEKSEEVICH, 1835-1865

From the history of the Russian liberal thought in the sixties of the 19th century. L.A Kogan. Vop.filos. 18 no.6:110-117 '64.

MARX, KARL, 1818-1883

Kagarlitskaia, O.T. [How K.Marx's "Capital" should be studied] Kak rabotat' nad "Kapitalom" K.Marksa. [Leningrad] Izd-vo Leningr. univ., 1964. 92 p.

MARY OASIS see Murgab Oasis

MASERS

Limit spectral line width of a signal propagating in a medium of "negative temperature." I.P.Mazan'ko. Opt.i spektr. 17 no.2:203-208 Ag '64.

Nikol'sii, L.A. [Quantum amplifiers] Kvantovye usiliteli. Moskva, Izd-vo "Energiia," 1964. 62 p. (Massovaia radiobiblioteka, no.532)

MASLOV, MIKHAIL STEPANOVICH, 1885-1961

Mikhail Stepanovich Maslov, his life and activities. V.S.Vail'. Trudy Tadzh.med.inst. 50:5-28 '61.

MASONRY

Using water repellants to prevent the discoloration in masonry and stucco. R.F.Zabolina, S.D.Salidzhanov. Sbor.nauch.trud.NII po stroi.ASiA no.4:78-83 '63.

MASS SPECTROMETRY

Calculation of a spectroscopic mass of hydrogen and deuterium of pyramidal hydrides and deuterides. V.N. Khlebnikova, V.P.Morozov. Trudy DKHTI no.10:17-20 '62.

Interrelation between atomic and molecular refraction and complete ionization [with summary in English]. I.L.Agafonov, A.L.Agafonova. Zhur.fiz.khim. 38 no.2:356-360 F '64.

Mass-spectrometric study of the evaporation of cesium superoxide. IU.A.Borisov, A.V.Gusarov, L.N.Gorokhov. Teplofiz.vys.temp. 2 no.3:487-489 My-Je '64

Possibility of using a pulse transit-time mass spectroscope in studying the vaporization of compound substances. A.A.Mostovskii, D.A.Saksaev. Zhur.tekh. fiz. 34 no.7:1321-1323 Jl '64.

MASS TRANSFER

Conditions of heat and mass exchange during the conditioning of certain cargoes. V.A.Zagoruiko. Ekon.i ekspl.mor.transp. no.1:73-81 '63.

Prasolov, R.S. [Mass and heat transfer in furnace systems] Masso- i teploperenos v topochnykh ustroistvakh. Moskva, Izd-vo "Energiia," 1964. 236 p.

Turbulent heat and mass transfer on a porous plate through which various gases are allowed to pass in the presence of sublimation. IU.V.Lapin. Zhur.tekh. fiz. 34 no.5:913-925 My '64.

Use of the "salt method" in studying the characteristics of mass and heat transfer. M.A.Styrikovich and others. Dokl AN SSSR 157 no.1:91-94 Jl '64.

MATERIA MEDICA, VEGETABLE

(see also subdivision under Far East; Poltava Province; Siberia)

"Antibodies" of plant origin and some research problems. M.I.Potapov. Usp.sovr.biol. 55 no.2:191-203 Mr-Ap '63.

Biological standardization of galenicals from the roots of ginseng. M.A.Grinevich Mat.k izuch.zhen'.i drug.lek.rast.Dal' Vost. no.5:99-103 '63.

Pharmacological investigation of avisan, a preparation from the fruit of the bishop's-weed Ammi visnaga. IA I Khadzhai. Farmatsev.zhur 16 no 1:51-55 '61.

MATERIALS

Metal-filled compressed wood is a new material for the machinery industry N V.Savchenko. Mashinostroitel' no 6:38 Je '64

MATERIALS—OPTICAL PROPERTIES

Reflection spectra of natural and manufactured materials in the 0.7 - 100μ wavelength range. M.A.Kropotkin, B.P.Kozyrev. Opt.i spektr 17 no 2:259-264 Ag '64.

MATERIALS—TESTING

Moscow. Institut mashinovedeniia. [Contact strength of materials used in the machinery industry] Kontaktnaia prochnost' mashinostroitel'nykh materialov. Moskva, Izd-vo "Nauka," 1964. 106 p.

MATERIALS—THERMAL PROPERTIES

New fast method for determining the thermophysical characteristics of materials in the form of plates and coatings. A.B.Verzhinskaia. Dokl AN BSSR 8 no.2:101-103 F '64.

MATERIALS AT HIGH TEMPERATURES

"High-temperature chemistry of silicate and other oxide systems" by N.A Toporov, V P Barzakovskii. Reviewed by P P Budnikov. Vest AN SSSR 34 no.7:122-123 Jl '64

MEI-MKTS bushings from the zone of high temperatures and pressures. B.P.Golubev, G A Vasil'eva, P P Kalitin Teplofiz.vys temp. 2 no 3,489 My-Je '64.

Study of the physical properties of materials at high temperatures I.I.Novikov, P.G.Strelkov Vest AN SSSR 34 no 6 26-30 Je '64.

MATERIALS AT HIGH TEMPERATURES—THERMODYNAMICS

Some particular aspects of the chemistry of high temperatures from the standpoint od chemical thermodynamics V.A.Kireev. Usp.khim. 33 no.6:707-731 Je '64.

MATERIALS HANDLING

Readers' conference at a factory. N.L.Rabinovich, S.IU.Flegontova. Mekh.i avtom.proizv. 18 no.1:54-55 Ja '64.

Universal, 63-ton capacity manipulator, for hard facing and welding M D Litvinchuk, I S Dugel'nyi Avtom. svar. 17 no 7 64-66 Jl '64

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref.zhur.: Prom.transp. no.8 Ag '64.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Over-all mechanized storeroom for materials. B.D. Zhebrovskii Mashinostroitel' no 6:12 Je '64.

MATHEMATICAL ANALYSIS

Egorova, I.A. [Mathematical analysis. Series; methodological textbook for correspondence students of pedagogical institutes] Matematicheskii analiz. Riady; uchebno-metodicheskoe posobie dlia studentov-zaochnikov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1960. 107 p.

Mogilevskii, N.I. [Introduction to analysis; synopsis of lectures on mathematical analysis for persons who study without discontinuing work] Vvedenie v analiz; konspekt lektsii po matematicheskomu analizu dlia studentov, obuchaiushchikhsia bez otryva ot proizvodstva. Khar'kov, Khar'kovskii politekhn.in-t im. V.I. Lenina, 1961. 85 p.

[MICROFILM]

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

Grammars with a linear memory. A.V.Gladkii. Alg. i log. 2 no.5:43-55 '63.

Groups of automatic one-to-one mappings. V.P. Zarovnyi. Dokl.AN SSSR 156 no.6:1266-1269 Je '64.

Levin, IU.I. [Mathematics and linguistics] Matematika i iazykoznanie. Moskva, Izd-vo "Znanie," 1964. 47 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika, matematika, astronomiia)

Magnus's generalized work equality problem. M.D. Grindlinger. Sib.mat.zhur. 5 no.4:955-957 Jl-Ag '64.

Replaceability in recursive languages. A.V.Gladkii. Alg.i log. 2 no.3:5-22 '63.

MATHEMATICAL MODELS

Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. [Mathematical modeling and electrical circuits; transactions] Matematicheskoe modelirovanie i elektricheskie tsepi; trudy. Kiev, "Naukova dumka."

No.2. 1964. 395 p.

MATHEMATICAL PHYSICS

Aramanovich, I.G., and V.I.Levin. [Equations of mathematical physics] Uravneniia matematicheskoi fiziki. Moskva, Izd-vo "Nauka," 1964. 236 p. (Izbrannye glavy vysshei matematiki dlia inzhenerov i studentov vtuzov).

Liapunov stability of the equilibrium of systems with an infinite number of degrees of freedom A M Slobodkin Dokl.AN SSSR 157 no 1 63-65 Jl '64

MATHEMATICAL STATISTICS

Simple method for establishing the independence of statistics. T.S.Feigel'son. Vest LGU 19 no.13: 157-158 '64.

Some remarks on interval selection in the statistical study of various parameters of productive reservoirs. V.V.Voinov Nauch.-tekh.sbor.po dob.nefti no.19: 12-15 '63.

Statistical problems with nuisance parameters. IU.V. Linnik. Dokl AN SSSR 157 no 1 19-51 Jl '64

MATHEMATICS

[Mathematics; translations of foreign articles] Matematika, period sbor.perev.inostr.st 8 no.4 Jl-Ag '64.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref.zhur.: Mat. nos.7-8 Jl-Ag '64.

MATHEMATICS—DICTIONARIES

Buhai, A.S. [Concise explanatory mathematical dictionary] Korotkii tlumachnyi matematychnyi slovnyk. Za red. S.M.Kiro i IU.M.Shmandina. Kyiv, Radians'ka shkola, 1964. 427 p.

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Vinogradova, A.A., and others. [Problems and exercises on the theory and practice of calculations; elementary mathematics] Zadachnik-praktikum po teorii i praktike vychislenii, elementarnaia matematika. Pod obshchei red. L.M.Fridmana, Moskva, Uchpedgiz, 1960. 115 p.

MATHEMATICS—RESEARCH

Nizhniy Tagil. Pedagogicheskii institut. [Mathematical research] Matematicheskie issledovaniia. Sverdlovsk, 1961. 67 p.

[MICROFILM]

MATHEMATICS—STUDY AND TEACHING

Gribanov, V.U. [Approximate computations in secondary schools, a teachers' manual] Priblizhennye vychisleniia v srednei shkole, posobie dlia uchitelia. Izd.2., perer. Moskva, Prosveshchenie, 1964. 111 p.

Kazan. Gosudarstvennyi pedagogicheskii institut. [Methodological textbook for the physics and mathematics faculty] Metodicheskii sbornik fiziko-matematicheskogo fakul'teta. Kazan', 1963. 232 p.

Most important prerequisite for a thorough knowledge. A.I.Riabov. Vech.sred.shkola 7 no.2:37-41 Mr-Ap '64.

Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniia. [Secondary school programs for the school year 1964-1965; mathematics] Programmy srednei shkoly na 1964/65 uchebnyi god; matematika. Moskva, Prosveshchenie, 1964. 29 p.

Special aspects of teaching mathematics to first graders in the first days of school. V.P.Trudnev. Nach. shkola 32 no.8,52-54 Ag '64.

MEASURING INSTRUMENTS (Continued)

Adjustment and control of programming devices of multichannel measuring systems. A. F. Belov, D. A. Sverdlov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no.6 105-113 '63.

Automatic digital measuring instruments. F. B. Karandeev. Vest. AN SSSR 34 no. [illegible] 46-59 Je '64

Device for measuring the thickness of nonmagnetic protective coatings of IIP-62 petroleum equipment. M. A. A[illegible], B. A. Mes[illegible]. Izv. vys. ucheb. zav.; neft' i gaz 5 no.10 35-[illegible] '62

Dual purpose device for measuring stresses in electric drill pipe clamps and well-bottom temperature. V. I. Fuks. Mash. i neft. obor. no. 3 12-16 '63

Instrument for checking the thickness of insulation in a gas pipeline. V. P. Sedov. Gaz prom. 8 no 6,38-40 '63

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. Izm. tekh. no.3 59-64 Mr '64

Principal metric characteristics of multichannel measuring systems for nuclear physics. S. S. Kurochkin. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no.6 6-26 '63.

Small attachable filter for a deep-well measuring device. B. A. Molochkina. Trudy KNIINP no 17 117-120 '62

Using a mercury porometer in studying the structure of reservoir rocks. M. I. Koloskova. Trudy VNIIGAZ no 20/28 65-71 '64.

MEAT—ANALYSIS

Effect of a damp thermal treatment of meat on the content of cholesterol and phosphatides in the meat and its broth. N Kh Sandler. Sbor. nauch. rab. stud. Volg. gos. med. inst. no 1 37-43 '60

MEAT—PRESERVATION

Hygienic evaluation of meat treated with antibiotics to prolong the period of its preservation. IU I Rubinshtein and others. Vop pit. 22 no 3·51-55 My-Je '63.

MEAT INDUSTRY—RESEARCH

Belen'kii, N G. [Problems of the biological evaluation of the technological processes in the meat industry] Problema biologicheskoi otsenki tekhnologicheskikh priemov miasnoi promyshlennosti. Moskva, Vses. nauchno-issl. in-t miasnoi promyshl., 1962 12 p.
[MICROFILM]

MECHANICAL DRAWING

Raevskaia, E. A. [Mechanical drawing of spatial angles] Inzhenernaia grafika prostranstvennykh uglov. Moskva, Izd-vo "Mashinostroenie," 1964. 210 p diagr (insert)

Turpit'ko, A. F [Lettering for inscriptions on machinery, engineering, construction and topographical drawings] Shrifty dlia nadpisei na mashinostroitel'nykh inzhenerno-stroitel'nykh i topograficheskikh chertezhakh. Izd 2., dop i perer [Shcherbinka] Rosvuzizdat, 1963 81 p.

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Kazachkov, D. L. [Mechanization of structural design] Mekhanizatsiia proektno-konstruktorskikh rabot. Moskva, Mashinostronie, 1964. 179 p.

Reznichenko, V. S., and O. A. Kiubler. [Transparent drawing and design stencils and materials; album of drawings] Prozrachnye chertezhno-konstruktorskie trafarety i prinadlezhnosti, al'bom chertezhei. Moskva, Mashinostroenie, 1964. 130 p.

MECHANICAL DRAWING—PROBLEMS, EXERCISES, ETC.

Merzon, E. D. [Collection of problems on mechanical drawing] Zadachnik po mashinostroitel'nomu chercheniiu. Pod red. N. N. Ivanova. Izd. 2., dop. Moskva, Vysshaia shkola, 1964. 319 p.

MECHANICAL DRAWING—STUDY AND TEACHING

Basis of object manipulation drawings. V. S Polozov. Izv. APN no. 129:9-14 '63.

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of eight-year schools; mechanical drawing] Programmy vos'miletnei shkoly; cherchenie. [Moskva] Prosveshchenie, 1964. 7 p.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see Bibliography—Mechanical engineering

MECHANICAL FANS see Fans, Mechanical

MECHANICAL WEAR

Experimental fundamentals of the theory of abrasive wear. M. M. Khrushchov, M. A. Babichev. Vest. mashinostr. 44 no. 6.56-62 Je '64.

Investigating the relationship between the wear of hard alloys and their mechanical strength. S P Shabashov. Trudy Ural. politekh. inst. no 129:67-73 '63

Operation of catalytic-cracking equipment under conditions of abrasive wear. A T. Luchshev, V. V Meshcheriakova. Mash. i neft. obor. no. 6·23-27 '63

Possibility of increasing the resistance of the ball-locking bearing of standard bit rollers. A. M. Abdulzade, T. R. Mamedov. Mash. i neft. obor. no. 2: 14-17 '64.

Protective covering for machine parts to increase their wear resistance. E. M. Chernyshev. Mash. i neft. obor no 2 34-35 '63

Statistical investigation of the wearing process of machine parts. I B Tartakovskii. Vest mashinostr 44 no 6.65-70 Je '64

Studying the wear of some connecting pairs with nonantifriction alloys in truck and tractor engines. V D Koval'skii. Trudy Kostr. sel'khoz inst "Kar." no 3 207-211 '63

Unit for testing packing. V. M. Litvinov. Mash. i neft. obor no 5 7-9 '63

MECHANICS

Ignatsius, G. I. [Motion and rest in nature] Dvizhenie i pokoi v prirode. Moskva, Izd-vo "Znanie," 1964. 92 p. (Narodnyi universitet Estestvennonauchnyi fakul'tet, no. 7)

[Mechanics, translations of foreign articles] Mekhanika, period sbor. perev inostr. st 15 no 4 '64.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur.: Mekh. no. 7 Jl '64.

MECHANICS, ANALYTIC

Motion of a solid body with a cavity containing an ideal liquid and an air bubble. F. L. Chernous'ko. Prikl. mat. i mekh. 28 no. 4:735-745 Jl-Ag '64.

Optimal conditions for decelerating the rotary motion of a symmetrical body. B. A. Smol'nikov. Prikl. mat. i mekh. 28 no. 4:725-734 Jl-Ag '64.

Rotary motion of a sphere in a high-speed rarefied flow. Nam Tum Po. Vest LGU 19 no. 13,162-167 '64.

Stability of the motion of a solid body containing a liquid characterized by surface tension. V. V. Rumiantsev. Prikl. mat. i mekh. 28 no. 4:746-753 Jl-Ag '64.

Variational formulation of a problem involving the motion of a liquid in a vessel of finite dimensions. A. A. Petrov. Prikl. mat. i mekh. 28 no. 4:754-758 Jl-Ag '64.

MECHANICS, CELESTIAL

Adjusting spatial cosmic triangulation in a system of rectangular geocentric coordinates. B. M. Klenitskii, G. A Ustinov. Geod i kart no 5 3-16 My '64.

MECHANISMS

TSiporin, IU. A. [Mechanisms of technological equipment, machine tool attachments] Mekhanizmy tekhnologicheskoi osnastki, stanochnye prisposobleniia. Moskva, Izd-vo "Mashinostroenie," 1964. 339 p.

MECHANISMS—DESIGN AND CONSTRUCTION

Graphoanalytic design of mechanisms. V M Khaldeev. Izv vys ucheb zav., av tekh 6 no 4 86-95 '63

MECHANISMS—NOISE

Experimental study of the parameters of the noise of mechanisms. V A Zmanovskii. Nauch trudy SibVIM no 1 68-83 '63

MECHANIZATION, MILITARY see subdivision under United States

MEDALS

Heroic exploits of the Russian people in the works of the medalist's art. A. Shaten. Voen.-ist. zhur. 5 no 4: 109-112 Ap '63.

MEDIASTINUM—BLOOD SUPPLY

Age-conditioned changes in the main blood vessels of the mediastinum of man. A. S. Obysov. Izv. APN no. 129. 209-213 '63.

MEDIATION, INTERNATIONAL

Klimenko, B. M. [State boundaries as a problem of peace] Gosudarstvennye granitsy - problema mira. Moskva, Izd-vo "Mezhdunarodnye otnosheniia," 1964. 136 p.

MEDICAL ASSISTANCE, RUSSIAN see subdivision under Burma

MEDICAL CARE

Freidlin, S. IA., ed. [Dispensary service for the urban population] Dispanserizatsiia gorodskogo naseleniia. [Leningrad] Meditsina. 1964. 349 p.
(DNLM)

MEDICAL COLLEGES see subdivision under Kuban; Leningrad

MEDICAL ELECTRONICS

Balmukhanov, S. B., and K. I. Zholkiver. [Megavolt radiation therapy] Megavol'tnaia luchevaia terapiia. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 286 p.
(DNLM)

Electronics laboratory in the service of sports medicine. V. V. Rozenblat, A. T. Vorob'ev. Biul. Uch. med. sov. 3 no 4 24-27 Jl-Ag '62.

MEDICAL ETHICS

Kontskii, F. M. [Physician and the patients; principles of medical service and the basic elements of medical ethics] Vrach i bol'noi; kul'tura meditsinskogo obsluzhivaniia i osnovnye elementy vrachebnoi etiki. Izd. 4. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo, 1964. 108 p.
(DNLM)

MEDICAL GEOGRAPHY

Nosogeography and epidemiology of transmissible and parasitic diseases in the Republic of Guinea; based on data compiled from 1959 to 1961. Report No. 2: Malaria, its incidence among visitors from the U.S.S.R. and some other countries. L. S. IArotskii. Med. paraz. i paraz. bol. 32 no. 4,436-442 Jl-Ag '63.

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 8 Ag '64.

MEDICAL GEOGRAPHY—CONGRESSES

First Scientific Conference in Leningrad on the Problems of medical geography. L. Pristagina. Med. paraz. i paraz. bol. 32 no. 4:501-506 Jl-Ag '63.

MEDICAL INSTRUMENTS AND APPARATUS

New method of attaching the electrodes of an implanted electric stimulator. V. S. Savel'ev. Grud. khir. 5 no. 5:98-100 S-O '63.

Transillumination examination in surgery on the esophagus. M. Z. Sigal. Grud. khir. 5 no. 5:04-07 [illegible]

MEDICAL JOURNALISM see Journalism, Medical

MEDICAL PHYSICS—LABORATORY MANUALS

Gorskii, F. K., and N. M. Sakovich. [Laboratory manual on physics for students of medical institutes] Rukovodstvo k laboratornym rabotam po fizike dlia studentov meditsinskikh institutov. Pod red. A. A. Eliseeva. Minsk, Izd-vo "Belarus'," 1963. 214 p.
(DNLM)

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RESEARCH

Brief news. Biul. Uch. med. sov. 3 no. 1:45-47 [illegible] '62.

In the Presidium of the Scientific Medical Council of the Ministry of Health of the U. S. S. R. Biul. Uch. med. sov. 3 no. 4 39-44 Jl-Ag '62

Plenum of the Scientific Medical Council of the Ministry of Health of the R. S. F. S. R. Biul. Uch. med. sov. 3 no. 4:31-34 Jl-Ag '62.

Resolution of May 17-19, 1962 passed by the Plenum of the Scientific Medical Council of the Ministry of Health of the R. S. F. S. R., "New medical and biological concepts in etiology and pathogenesis being developed in the medical institutions of the Ministry of Health of the R. S. F. S. R." Biul. Uch. med. sov. 3 no. 4 [illegible] Jl-Ag '62.

The state of and measures for the development of basic medical and biological research in the higher medical schools of the R. S. F. S. R. D. A. Zhdanov. Biul. Uch. med. sov. 3 no. 1 3-13 Jl-Ag '62.

MEDICAL STATISTICS

Results of the struggle with medical errors. E. H. Gog[illegible] Zdrav. Ros. Feder. 8 no 1:13-14 Ja '64.

Some problems of military medical statistics. P. A. Voloshina. Voen.-med. zhur. no. 1:10-22 '63.

MEDICAL TESTS

Fin'ko's color reaction of bile and its importance in the diagnosis of cholecystitis in children. M. M. IAkubova. Trudy Tadzh. med. inst. 50:126-132 '61

Study of the hydrophilia skin test in schizophrenia in connection with insulin treatment. N. A. IAkovleva. Sbor. nauch. rab. stud. Volg. gos. med. inst. no 1:97-101 '60.

Use of the proper indices in the evaluation of the functional state of an organism. V. F. Shubin. Vop. kur., fizioter. i lech. fiz. kul't no. 6:521-526 '63.

MEDICATED BATHS see Baths, Medicated

MEDICINE
(see also subdivision under Azerbaijan; Latvia, Lugansk; Siberia)

Abstracts. Vest. derm. i ven. 38 no. 1:60-82 Ja '64.

Reviews. E. D. Ravich-Birger. Lab. delo no. 7:448 '64

Russia (1917- R. S. F. S. R) Ministerstvo zdravookhraneniia. [Transactions of the Irkutsk State Medical Institute dedicated to the 40th anniversary of its foundation] Sbornik trudov Irkutskogo gosudarstvennogo meditsinnogo instituta, posviashchennyi 40-letiiu so dnia ego osnovaniia. Irkutsk, 1959. 442 p.
[DNLM MICROFILM]

MEDICINE—ABSTRACTS

[Abstracts of Soviet medical literature: Internal diseases] Sov. med. ref. oboz.: Vnut. bol. no. 20 '59.
(DNLM)

[Medical abstracts] Med. ref. zhur. sect. 1 vol. 8 no. 8 Ag '64. Sect. 2 vol. 8 no. 8 Ag '64. Sect. 3 vol. 8 no. 8 Ag '64. Sect. 4 vol. 8 no. 8 Ag '64. Sect. 5 vol. 8 no. 8 Ag '64. Sect. 6 vol. 8 no. 8 Ag '64. Sect. 7 vol. 8 no. 7 Jl '64. Sect. 8 vol. 7 nos. 1-4, 7-8, 11 Ja -Ap., Jl-Ag, N '63; vol. 8 no. 7 Jl '64 Sect. 9 vol. 8 no. 8 Ag '64. Sect. 10 vol. 8 no. 8 Ag '64. Sect. 11 vol. 8 no. 8 Ag '64. Sect. 13 vol. 8 nos. 8-9 Ag -S '64.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine [illegible] no.6:[illegible]-81 N-D '63.

MEDICINE—STUDY AND TEACHING
(see also subdivision under Chernukhi, Gorkiy Province)

[illegible] planning the training of doctors of medi- [illegible] V. M. [illegible] Biul. Uch. med. sov. [illegible] N-D '63.

MEDICINE, EXPERIMENTAL—CONGRESSES
Oblastnaia konferentsiia po probleme "Reaktivnost' i plastichnost' epiteliia i soedinitel'noi tkani v normal'nykh, eksperimental'nykh i patologicheskikh usloviiakh," posviashchennaia pamiati chlena-korrespondenta AMN SSSR professora F. M. Lazarenko, Orenburg, 1960. [Materials of the Histological Conference on the Problem "Reactivity and Plasticity of the Epithelium and Connective Tissue Under Normal Experimental and Pathological Conditions" dedicated to the memory of Professor F. M. Lazarenko, corresponding member of the Academy of Medical Sciences of the U.S.S.R.] Materialy. Orenburg, Orenburgskii med. in-t, 1963. 163 p.

[MICROFILM]

MEDICINE, INDUSTRIAL
(see also subdivision under Armenia)

[illegible] Okhr. truda i sots. strakh. [illegible]

MEDICINE, INTERNAL
[illegible] syndrome in diseases of the internal [illegible] Trudy Gos. nauch.-issl. psikhonevr. inst. [illegible]:281-204 '63.

MEDICINE, MILITARY
[illegible] Central Committee of the CPSU and the [illegible] Ministers of the U.S.S.R. on the improvement [illegible] public health [illegible] A. A. Shparkovskii. [illegible] '64.

[illegible] of the work of military physicians in [illegible] of infectious diseases. K. T. Orlov. [illegible] no.1:84-87 '63.

[illegible] medical evacuation measures during a [illegible] attack. V. V. Meshkov, V. A. Zhukin. [illegible] no.1:24-28 '63.

[illegible] general chilling (freezing) of humans; a [illegible] V. N. Shchetnin. Voen.-med. zhur. [illegible] '64.

[illegible] observation on patients with [illegible] diseases and their treatment in [illegible] L. V. Khalagoev. Voen.-med. zhur. no.1:78-[illegible]

[illegible] military medical statistics. D. A. [illegible] Voen.-med. zhur. no.1:18-24 '63.

MEDICINE, MILITARY—EQUIPMENT AND SUPPLIES
[illegible] mechanical agitation of blood in mix [illegible] A. H. Ignat'ev. Voen.-med. zhur. no.1:91 '63.

[illegible] packing of the UST-41 and USH-41 [illegible] M. A. [illegible] Voen.-med. zhur. no.1:77-[illegible]

MEDICINE, NAVAL—EQUIPMENT AND SUPPLIES
[illegible] the disinfection of sea water. M. P. Nak[illegible] Voen.-med. zhur. no.1:91-93 '63.

MEDICINE, PREVENTIVE
Makarchenko, A. F., A. S. Gusarova, and L. A. Krikun. [Medicine as the guardian of beauty] Meditsina na strazhe krasoty. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 13)

[illegible] gastrointestinal diseases. A. F. [illegible] Okhr. truda i sots. strakh. 7 no.5:[illegible]

MEDICINE, PSYCHOSOMATIC
[illegible] and the psychosomatic problem in [illegible] of therapeutic data on mental diseases. T. IA. [illegible] Trudy Gos. nauch.-issl. psikhonevr. inst. 29:[illegible] '63.

[illegible] psychosomatic trend in medicine. N. S. [illegible] Trudy Gos. nauch.-issl. psikhonevr. inst. 29:[illegible] '63.

[illegible] of psychosomatic interrelations in the development [illegible] with functional disorders of cardiac [illegible] S. I. [illegible] Trudy Gos. nauch.-issl. psikhonevr. inst. 29:[illegible]-218 '63.

[illegible] of neuropsychic factors on the dynamics of arterial pressure in practically healthy persons and various groups of patients. V. P. Riabkov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:309-315 '63.

Psychosomatic syndrome in diseases of the internal organs. I. F. Kobkin. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:281-284 '63.

[illegible] of the psychic and somatic elements in [illegible] and hysterical neuroses. V. N. Miasishchev. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:[illegible]-204 '63.

[illegible] disorders in cardiac pathology. N. K. [illegible], L. O. Badalian. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:295-307 '63.

Gos. nauch.-issl. psikhonevr. inst. 29:171-180 '63.

Psychosomatic interrelations in sexual disorders in neurotic patients. R. A. Zachepitskii, E. K. IAkovleva. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:257-265 '63.

Review of Lothar B. Kalinowsky and Paul H. Hoch's book "Somatic treatments in psychiatry". E. IA. Shternberg. Zhur. nevr. i psikh. 63 no.9:1431-1436 '63.

Role of somatic diseases in the pathogenesis of neuroses. P. V. Maslov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:219-226 '63.

Role of somatic reactivity in the formation of psychogenic reactions. N. V. Ivanov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:205-214 '63.

Role of the somatogenic factor in the pathogenesis and course of neuroses and neurosis-like states. L. I. Markhova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:267-277 '63.

Significance of the somatic link in the pathogenesis of psychogenic reactions in children. S. S. Mnukhin, E. I. Bogdanova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:227-233 '63.

Somatic and psychic elements in cyclothymia and manic-depressive psychosis and the problem of cerebrovisceral interrelations. T. A. Nevzorova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:145-155 '63.

Somatic and psychic problems in contemporary psychiatry based on a historical analysis. D. D. Fedotov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:7-18 '63.

Somatic trend in psychiatry. A. S. Chistovich. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:91-102 '63.

Syndrome of somatic arthralgia and myalgia. Vidislav [illegible] Zhur. nevr. i psikh. 63 no.9:1301-1307 '63.

Tuberculosis and psyche. I. T. Viktorov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:345-357 '63.

MEDICINE IN SPORTS *see Sports medicine*

MEDITERRANEAN SEA REGION—PHYSICAL GEOGRAPHY
Natural conditions of the Mediterranean zone of Europe, Northern Africa and Asia. Z. V. Anokhina. Izv. Vses. geog. ob-va 96 no.3:176-183 My-Je '64.

MEDULLA OBLONGATA
Comparative action of cholinolytics containing tertiary and quaternary nitrogen upon the medulla oblongata centers and their ability to penetrate through the hematoencephalic barrier. A. L. Aleksandrova. Farm. i toks. 25 no.6:672-678 N-D '62.

Comparative histochemical study of the nuclei of specific systems and the reticular formation of the brain in a number of mammals. E. I. Il'ina-Kakueva. Biul. eksp. biol. i med. 55 [i.e. 56] no.10:100-105 O '63.

MEDVENKA VALLEY—SNOW
Distribution of snow cover in the drainage basin of the Medvenka River. V. S. Dygalo. Trudy TSIP no.131:50-76 '64.

MEERSCHAUM see subdivision under Uzbekistan

MEITUS, IULII SERGEEVICH, 1903-
Malyshev, IU. V. [IU. S. Meitus, outline of his work] IU. S. Meitus; ocherk tvorchestva. Moskva, Sovetskii kompozitor, 1962. 131 p., plates.
(NIC)

MEL'GUNOV, SERGEI PETROVICH, 1880-
Mel'gunov, S. P. [Recollections and diaries] Vospominaniia i dnevniki. Paris [Les Editeurs Reunis] 1964. 2 v.

MELITOPOL'—HONEY
Quality of bee honey sold in the markets of Melitopol'. L. I. Gasenko, N. A. Alekseev. Vop. pit. 22 no.3:86 My-Je '63.

MELON-FLIES see subdivision under Azerbaijan

MELONS—DISEASES AND PESTS
Sources and ways of spreading of the toxic bacteriosis in melons. N. A. Sizova. Nauch. dokl. vys. shkoly; biol. nauki no.3:156-160 '64.

MELTING
Unsteady melting of bodies by aerodynamic heating. S. K. Matveev. Vest. LGU 19 no.13:159-162 '64.

MELTING POINTS
Equations of fusibility curves for simple binary systems. Report No. 1. A. N. Kirgintsev. Izv. Sib. otd. AN SSSR no.12:49-61 '63.

System Li, Rb || NO_2, NO_3. P. I. Protsenko, R. P. Shisholina, A. V. Protsenko. Zhur. neorg. khim. 9 no.6:1431-1434 Je '64.

MEMORY
Forming the methods of logical retention in preschool children. Report No. 2. Coordination of involuntary and voluntary retention in preschool children and primary school students. L. M. Zhitnikova. Izv. APN no.120:177-182 '63.

MEMORY, DISORDERS OF
Demarcation of illusions of memory and cryptomnesia. K. Kh. Kerdienok. Trudy Gos. nauch.-issl. inst. psikh. 40:49-64 '63.

D. I. Mendeleev's heritage and our tasks. V. V. Boitsov. Izm. tekh. no. 3:1-4 Mr '64

MENSTRUATION
Kolesnikov, A. F. [Fundamentals of the mathematical processing of measuring results] Osnovy matematicheskoi obrabotki rezul'tatov izmerenii. Tomsk, Izd-vo Tomskogo univ., 1963. 46 p.

Some indices of the blood coagulation system in women with a normal and disturbed menstrual cycle. A. N. Primak. Akush. i gin. 40 no.1:105-110 Ja-F '64.

MENSURATION
Classification of measurements and the evaluation of the precision of measuring instruments. P. N. Agaletskii, N. K. Ashcheulov, V. P. Nikulin. Izm. tekh. no. 3:5-9 Mr '64.

D. I. Mendeleev's heritage and our tasks. V. V. Boitsov. Izm. tekh. no. 3:1-4 Mr '64

MENSURATION—ABSTRACTS
[Mensuration and measurement techniques] Ref. zhur.: Metr. i izm. tekh. nos 7-8 Jl-Ag '64.

MENTAL FATIGUE see Fatigue, Mental

MENTAL HYGIENE
Shraibor, L. B., and A. Z. Zakhidov. [Hygiene of intellectual work] Gigiena umstvennogo truda. Tashkent, Medgiz UzSSR, 1964. 42 p. (Nauchno-populiarnaia literatura)

MENTAL ILLNESS
(see also subdivision under United States)

Changes in nonspecific reactivity of the body in mental diseases. P. F. Matkin. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:103-116 '63.

Classification of mental diseases and reactions. I. S. Sumbaev. Trudy Gos. nauch.-issl. inst. psikh. 40:15-22 '63.

Preliminary data on the course of some mental disorders under high-mountain conditions. M. G. Gulamov. Zhur. nevr. i psikh. 63 no.9:1411-1414 '63.

MENTALLY HANDICAPPED—REHABILITATION
Restoration of speech in brain lesions. Report No. 5. Restoration of penmanship in cases of disturbances of optical perception. L. S. TSvetkova. Izv. APN no.120:228-232 '63.

MENTALLY HANDICAPPED CHILDREN
Certain characteristics of the development of movement coordination in the students of the schools for mentally handicapped children. A. I. Kozlov. Izv. APN no.120:210-223 '63.

MENTALLY HANDICAPPED CHILDREN—EDUCATION
Dependence of the fulfillment of work assignments on the motivations of activity in mentally retarded students. B. I. Pinskii. Izv. APN no.120:250-258 '63.

Special characteristics of the actualization of visual images by mentally retarded children during text reading. E. Bedor. Izv. APN no.120:243-245 '63.

MENZHINSKII, VIACHESLAV RUDOL'FOVICH, 1874-1934
Ardent Bolshevik. V. A. Kuz'ko, I. I. Sanina. Vop. ist. KPSS 8 no.9:95-99 S '64.

MEPROBAMATE
Combined effect of meprobamate and pyramidon. N. V. Kuzina. Farm. i toks. 26 no.5:568-573 S-O '63.

MERCAPTANS see Thiols

MERCAPTO GROUP
Analysis of the hypotensive effect during the action of agents inactivating SH groups. I. M. Trakhtenberg, I. V. Savyts'kyi, F. P. Trynus. Fiziol. zhur. [Ukr.] 9 no.6:748-752 N-D '63.

Histochemical study of the sulfhydryl groups of tissue proteins in the superior cervical sympathetic ganglion of a cat in a state of quiescence and excitation. I. B. Krasnov. Biul. eksp. biol. i med. 55 [i.e. 56] no.10:50-54 O '63.

Properties of SH- and S-S groups and causes of changed reactivity of these groups in proteins. IU. M. Torchinskii. Usp. sovr. biol. 55 no.2:161-181 Mr-Ap '63.

Use of acrylonitrile for blocking the sulphydryl groups of proteins. E. D. Levin, V. M. Stepanov. Zhur. ob. khim. 34 no.7:2468 Jl '64.

MERCAPTOPHOS
Determination of residual quantities of thiophos and mercaptophos in plant food products. G. IA. Isaeva, K. K. Enoshevskaia. Vop. pit. 22 no.3:88-89 My-Je '63.

MERCAPTOPHOS—PHYSIOLOGICAL EFFECT
Changes in conditioned response function and cholinesterase activity in animal blood under the effect of methyl mercaptophos. N. K. Statsek. Fiziol. zhur. 10 no.1:122-126 '64.

MERCATOR, GERARDUS, 1512-1594
Gerardus Mercator's anniversary. V. G. Churkin. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no.1:52-53 '61.

MERCHANT MARINE

Bakaev, V. G [World shipping and sea transportation in capitalist countries, notes for the development of a long-term program for the expansion of the U S. S R. merchant marine] Mirovoe sudokhodstvo i morskoi transport kapitalisticheskikh stran, zametki k razrabotke perspektivnogo plana razvitiia morskogo flota SSSR. Moskva, Izd-vo "Transport," 1964 49 p

MERCHANT MARINE—COSTS

Special features of the distribution of expenditures among the basic and auxiliary functions of a cargo-passenger ship. N. I. Savin Ekon i ekspl mor transp no 1 40-42 '63

MERCHANT MARINE—MANAGEMENT

Selecting a quantitative method for solving the problem of fleet distribution F P Gromov Ekon i ekspl mor transp no.1 10-17 '63

MERCHANT MARINE—PASSENGER TRAFFIC

Improving passenger sea rates V I Sukhotskii, N I Savin Ekon i ekspl mor transp no 1·29-32 '63

Passenger traffic operation indices N I Savin Ekon i ekspl. mor transp no. 1·35-40 '63

MERCURY

Effect of mercury coatings on the character of the failure of steel specimens M. N. Gavze. Izv. AN SSSR. Met i gor. delo no 2 143-148 Mr-Ap '64

Energy distribution of sputtered atoms appearing during the bombardment of metals by mercury ions M B. Ben'iaminovich, V. I Veksler. Izv. AN SSSR. Ser. fiz 28 no. 8 1387-1389 Ag '64

MERCURY—ANALYSIS

Amperometric titration of mercury with 2, 4-dithiobiuret. A. S. Sukhoruchkina, IU. I. Usatenko. Trudy DKHTI no. 16:113-122 '62.

Reaction of mercury with malachite green. M. P. Ana-n'evskaia. Trudy NPI 143·3-9 '63.

MERCURY—THERMAL PROPERTIES

Thermal conductivity of mercury IU P Os'minin Trudy VZEI no 20 55-61 '62

MERCURY—TOXICOLOGY

Analysis of the hypotensive effect during the action of agents inactivating SH groups I M Trakhtenberg I. V Savyts'kyi, F P. Trynus Fiziol zhur. (Ukr.) 9 no. 6·748-752 N-D '63

MERCURY-ARC RECTIFIERS

Automatic control of mercury-arc rectifier systems with the use of contactless elements. A V. Ivanov. Trudy TSNII MPS no. 276:100-105 '64.

MERCURY ELECTRODES see Electrodes, Mercury

MERCURY HALIDES

Bromine anion catalysis of the monomolecular isotope exchange of benzyl mercury halides with mercury halide V. A. Kaliavin, T. A. Smolina, O A. Reutov Dokl. AN SSSR 157 no. 4 919-921 Ag '64.

MERCURY ORES
(see also subdivision under Donets Basin)

Physicochemical conditions governing the formation of mercury deposits. V. T. Sugai. Zap. Kir. otd. Vses min. ob-va no. 4:3-12 '63

Role of the solid runoff of rivers in mercury migration. N. S Skiba. Zap. Kir. otd. Vses. min. ob-va no. 4·31-42 '63.

MERCURY ORGANIC COMPOUNDS

Bromine anion catalysis of the monomolecular isotope exchange of benzyl mercury halides with mercury halide. V. A. Kaliavin, T. A. Smolina, O. A. Reutov. Dokl AN SSSR 157 no. 4;919-921 Ag '64.

Cleavage of a carbon-mercury bond under the effect of acids. O. A. Reutov, I. P. Beletskaia, M. IA. Aleinikova. Zhur. fiz. khim. 36 no. 3 489-493 Mr '62.

MERCURY OXIDE CRYSTALS—GROWTH

Possibility of preparing montroydite (HgO) crystals under hydrothermal conditions. I. P. Kuz'mina, B. N. Litvin. Rost krist. 4.160-161 '64.

MERCURY SALTS

Interaction of barbiturates with bivalent mercury salts Report No 1. L I Rapaport. Farmatsev zhur 16 no 1 21-26 '61

MERCURY SELENIDE

Determining the vapor pressure of mercury selenide. R A Isakova, V N Nesterov, V. S Esiutin Trudy Inst met. i obog AN Kazakh SSR 8·6-7 '63

MERCURY SULFATES

Hydrolysis of vinyl ethers. Part 3: Mechanism of the reaction with mercury sulfate as catalyst. A. F. Rekasheva, L. A. Kiprianova. Kin. i kat. 5 no. 2;299-304 Mr-Ap '64.

MERCURY SULFIDE CRYSTALS—GROWTH

Effect of impurities on certain physical properties of mercury sulfide. M. I. Butsko, O. I. Andriievs'kyi. Ukr. fiz. zhur. 8 no. 9:975-978 S '63.

MERLINSKII, GRIGORII MARKOVICH

A great role. Teatr 24 no. 8:67 Ag '63.

MERV—FORTIFICATIONS

History of the fortifications of the ancient city of Merv. G. A. Koshelenko, Z. I. Usmanova. Izv. AN Turk. SSR. Ser obshchestv. nauk no. 1,34-41 '64.

MESENTERY—BLOOD SUPPLY

Case of successful surgical treatment of acute intestinal obstruction in thromboembolism of the mesenteric vessels in a patient on the third day after mitral commissurotomy. G. I. TSukerman, A. D. Levant, E. P. Kyo. Grud. khir. 5 no. 5·89-90 S-O '63.

MESHCHERA—CABBAGE

Role of potassium in obtaining high yields of forage cabbage on peat-boggy soils of Meshchera. G. F. Lebedeva. Nauch. dokl. vys. shkoly; biol. nauki no. 3;143-148 '64.

MESHCHERSKII, PROKOPII VASIL'EVICH

Concerning a theatrical legend. Vl. Filippov Teatr 24 no 8·171-175 Ag '63

MESITYLENE

Mesitylene from crude benzene L. IA Koliandr, M. I. Tiaptina Koks i khim. no. 6:46-51 '64.

MESLIER, JEAN, 1664-1729

Outstanding French educator and atheist. I. Tanov. Nar. obr no 8 101-102 Ag '64

Porshnev, B. F [Meslier] Mel'e. [Moskva] Molodaia gvardiia, 1964. 238 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 11(386))

MESOCAINE—TOXICOLOGY

Comparative toxicity of trimecaine and novocaine administered by different methods. N. A. Sharov. Farm. i toks. 25 no 6;731-732 N-D '62.

METABOLISM

Digestion and metabolism in piglets using different kinds of food. S. T. Akhverdian. Izv. AN Arm. SSR Biol. nauki 17 no. 2·69-76 F '64.

Effect of flying in supersonic aircraft on metabolism in the body of an aviator. G. A. Arutiunov and others. Voen.-med. zhur. no. 1:60-64 '63.

Reactive changes in the metabolism of infarction and peri-infarction portions of the heart in dogs. T. V. Fetysova, L. F. Khomyts'ka, V. A. TSiomik. Fiziol. zhur. 10 no. 1;61-67 '64.

METABOLISM, DISORDERS OF

Histochemical study of ribonucleoproteins and glycogen of myocardium in hog cholera N I. Arkhipov. Veterinariia 41 no 4 12-14 Ap '64

METAL CASTINGS—COOLING

Methods of calculating the cooling of a casting in a multilayer mold. P. I. Talanov, O. IU. Kotsiubinskii, E. S. Zal'tsman. Izv. vys. ucheb. zav.; chern. met. 7 no. 7; 195-201 '64.

METAL CLEANING

Cleaning and finishing the surface of stainless steel strip and sheet. V. G. Ledkov, R. I Markov Stal' 23 no 4:343-345 Ap '64.

Romanov, A. A. [Trimming and cleaning of castings] Obrubka i ochistka otlivok. Izd. 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 55 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

METAL CLEANING—EQUIPMENT AND SUPPLIES

Emery wheel equipment for the cleaning of ingots. E. I. Dorokhin, V. M Zharkov. Metallurgy 9 no. 7 30 Jl '64.

METAL CRYSTALS

Moments of plastic microdeformations. A. A. Asaturov and others Fiz met i metalloved. 17 no. 5,744-749 My '64.

Study of the substructure of single crystals by the method of X-ray focusing. M. I. Zakharova, N. A. Khatanova. Zav. lab 30 no. 6:721-724 '64.

Studying the relief in $\gamma \to \varepsilon$ transformations in single crystals of Fe-Mn-C steel. L. I. Lysak, B. I. Nikolin. Fiz. met. i metalloved. 17 no. 5:703-707 My '64.

Vadilo, P. S. [Crystallization of metals] Kristallizatsiia metallov. Moskva, Izd-vo "Metallurgiia," 1964. 181 p.

METAL CRYSTALS—DEFECTS

Effect of packing defects on the position of the (301) line in an X-ray photograph of a metal with a face-centered cubic lattice. IA. D. Vishniakov, IA. S. Umanskii. Kristallografiia 8 no. 2:273-275 Mr-Ap '63.

Vacancy mechanisms of a temperature aftereffect. V. A. Likhachev, V. I. Vladimirov. Fiz. met. i metalloved. 17 no. 5:655-663 My '64.

METAL CRYSTALS—GROWTH

Surface structure and the properties of acicular chromium crystals. B. M. Vasiutinskii, G. N. Kartmazov, I. I. Papirov. Fiz. met. i metalloved. 17 no. 6:892-897 Je '64.

METAL CRYSTALS—MAGNETIC PROPERTIES

Symmetry of magnetic crystals with a non-zero integral moment close to the Curie point. O V. Kovalev. Fiz. met. i metalloved. 17 no. 4:490-499 Ap '64.

METAL CRYSTALS—SPECTRA

Reestablishment of the phonon spectrum of a single crystal of copper from individual experimental data by the theta expansion method. A. B. Almazov. Fiz. met. i metalloved. 17 no. 6;931-934 Je '64.

METAL CRYSTALS—TESTING

Investigating the plastic deformation of a polycrystal by its change of texture. A. S. Kagan. Fiz. met. i metalloved. 17 no 6 917-923 Je '64.

METAL CUTTING

"Fundamentals of the selection of technological processes for machining" by D. V. Charnko. Reviewed by V. T. Polulanov. Stan. i instr 35 no. 6;44 Je '64.

Interdependence of processes in the area of chip formation and in the contact area of the top cutting surface. N. N. Zorev. Vest. mashinostr. 43 no. 12;42-50 D '63.

Ivliev, K. P., and G. F. Velikokhatnyi. [Multiple machining of parts] Gruppovoi metod obrabotki detalei. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 75 p. [MICROFILM]

Machining high-manganese steel. P. F Porasiuk Mashinostroitel' no 7;31 Jl '64.

Machining parts of the wing framework and empennage on program controlled machine tools. V. A. Osipov. Izv vys. ucheb. zav., av. tekh. 6 no 4:157-165 '63.

Relationship between the strength of cutting tools and the intensity of vibrations. A. S. Kondratov, B. P. Haimin Stan. i instr. 35 no. 6;30-32 Je '64.

Shifrin, A. Sh., and L. M. Reznitskii. [Cutting corrosion- and heat-resistant steels and alloys and titanium alloys] Obrabotka rezaniem korrozionnostoikikh, zharoprochnykh i titanovykh stalei i splavov. Pod red. L. M. Reznitskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 446 p.

Using separate summing of systematic and random errors in technological calculations of operational linear dimensions for machining. V. IA Fadeev Izv. vys. ucheb. zav., av. tekh. 6 no. 4 166-174 '63.

METAL CUTTING—BIBLIOGRAPHY see Bibliography—Metal cutting

METAL CUTTING—STUDY AND TEACHING

Mashevich, Z. A. [Methodology for teaching the course "Metal cutting" in mechanical engineering schools] Metodika prepodavaniia kursa "Rezanie metallov" v mashinostroitel'nykh tekhnikumakh. Moskva, Mashinostroenie, 1964. 107 p.

METAL CUTTING—TECHNOLOGICAL INNOVATIONS

Czech and Soviet innovators exchange experience. II F Danilov Mashinostroitel' no 6 46-48 Je '64.

Multiple machining on automatic lathes. V. E. Sullaitskii, V P. Koverga. Mashinostroitel' no 6,8 Je '64

METAL-CUTTING TOOLS

Advanced design of boring tools. D. V. Lakur. Vest. mashinostr. 43 no. 12;55-61 D '63.

Cutter for machining T-shaped grooves. M. B. Gordon, V. V. Podgorkov, A. P. Ukhalov Stan. i instr. 35 no. 6; 26-27 Je '64.

Cutting-tool holder with a rebound mechanism N N Kalinkin, V. I Romanovskii, I S. Sidorov Mashinostroitel' no. 6;32 Je '64

Investigating the adhesion force between the node and the face of the cutting tool. A. I. Manushakian, Stan i instr. 35 no. 6;32-33 Je '64.

Reconditioning cutting tools. A. N. Nikolaeva. Sovrem. tekh. mash. i prib. no. 3:123-126 '60.

METAL-CUTTING TOOLS—MAINTENANCE AND REPAIR

Moscow. Nauchno-issledovatel'skii institut truda. [Centralization of the repair of equipment and labor productivity; using the example of machinery manufacturing] TSentralizatsiia remonta oborudovaniia i proizvoditel'nost' truda, na primere mashinostroeniia. Moskva, Mashinostroenie, 1964. 130 p.

METAL-CUTTING TOOLS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Counterbores and countersinks] Zenkery i zenkovki (MN 700-60—MN 716-60, MN 717-63, MN 718-63, MN 721-60—MN 729-60). Moskva, Izd-vo standartov, 1964. 69 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Holders for disk thread-cutting tools for lathes] Derzhavki dlia rez'bovykh diskovykh reztsov k tokarnym stankam (MN 5273-64 i MN 5274-64). Moskva, Izd-vo standartov, 1964. 15 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools; cutters] Rezhushchii instrument; reztsy. Izd. ofitsial'noe. Moskva, Izd-vo standartov, 1964. 79 p. (SSSR. Gosudarstvennye standarty)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Milling cutters equipped with hard-alloy plates for machining steel and cast iron, their design and specifications] Frezy, osnashchennye plastinkami iz tverdogo splava dlia obrabotki stali i chuguna; konstruktsiia i ispolnitel'nye razmery (MN 985-60—MN 1001-60; MN 5018-63). Moskva, Izd-vo standartov, 1964. 63 p. (SSSR. Normali mashinostroeniia) ter] Frezy cherviachnye pod shever (MN 4909-63—MN 4912-63). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

METAL-CUTTING TOOLS—TESTING

X-ray diffraction control of the quality of surface grinding and sharpening of a tool made of high-speed steel. V. A. Landa, M. M. Kantor, V. A. Baikov. Zav. lab. 30 no. 6:731-732 '64.

METAL DETECTORS

Device for locating underground gas pipelines A A Zotov. Gaz prom 7 no 9:24-26 '62

Fixture locating devices. K. Kachurin Radio no. 1: 34-35 Ja '64.

METAL DRAWING see Drawing (Metalwork)

METALLIC FILMS

Electronography and X-ray study of the substructure of thin films of nickel and iron condensed in vacuum. L S Palatnik and others Fiz. met i metalloved 17 no 5 726-731 My '64

Liubitov, IU. N. [Calculating the interaction of molecular flows with the vessels containing them] Raschet vzaimodeistviia molekuliarnykh potokov s ograzhdaiushchimi ikh sosudami. Moskva, Nauka, 1964. 146 p.

Transformations of cobalt from a hexagonal to a cubic structure in condensation films. V. A. Antonova, V M Kosevich, L S Palatnik. Fiz. met. i metalloved. 17 no. 6, 872-876 Je '64

METALLIC FILMS—MAGNETIC PROPERTIES

Changing thin ferromagnetic films in the direction of difficult magnetization. IA. M. Pogosian Fiz met i metalloved 17 no 5, 678-683 My '64.

Coercive force and the induced structure of permalloy films. G. I. Levin, S. N. Kaverina. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:183-186 '64.

Effect of anisotropy dispersion on the dynamic properties of thin permalloy films. R. V. Telesnin, T N. Nikitina Fiz. met. i metalloved. 17 no. 5 672-677 My '64

Effect of ultrasonic waves on certain magnetic properties of thin films. N. G. Pak, S. G. Rusova. Fiz. met. i metalloved. 17 no. 4:623-624 Ap '64.

Investigating the effect of a transverse magnetic field on the rate of magnetic reversal of thin permalloy films. R. V. Telesnin, O. S. Kolotov. Fiz. met. i metalloved. 17 no. 6, 834-836 Je '64.

Magnetic anisotropy of films obtained by the simultaneous effect of an external magnetic field and the oblique incidence of a molecular beam R. V Telesnin, I. M. Saraeva, A. G Shishkov. Fiz. met i metalloved. 17 no 5. 693-697 My '64.

Roughness of sublayer surfaces and the coercive force of films. A. G Lesnik. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:170-182 '64.

METALLIC OXIDES

Effect of admixtures to aluminum and iron oxides on the catalytic decomposition of formic acid. V. A. Komarov, E. A. Chernikova, G. V. Komarov. Zhur. fiz. khim. 36 no. 3:540-545 Mr '62.

Electron diffraction examination of the processes of oxidation of thin films of intermetallic compounds in the system nickel - aluminum. R. I. Nazarova. Izv. AN SSSR. Ser. khim. no. 7:1164-1167 Jl '64.

Law of active masses as applicable to the kinetics of metal reduction by carbon. V. M. Shchedrin. Trudy Inst. met. no. 14:13-24 '63.

METALLOGRAPHY

Crystal structure of elements and certain regularities in the changes of their atomic radii and mutual solubility. V. K. Grigorovich. Trudy Inst. met. no. 14:227-250 '63.

Determination of pole figures by means of a Geiger counter. G. M. Vorob'ev. Zav. lab. 30 no. 6:716-718 '64.

Physicochemical analysis of systems Ge (Si) -A^{III} - B^{V}. V. M. Glazov and others. Trudy Inst. met. no. 14:108-119 '63.

METALLOGRAPHY—ATLASES

Bolkhovitinov, N. F., and E. N. Bolkhovitinova. [Atlas of macro- and microstructures of metals and alloys] Atlas makro- i mikrostruktur metallov i splavov. Izd. 3., perer. i dop. Moskva, Mashinostroenie, 1964. 101 p. illus.

METALLURGICAL ANALYSIS

Photometric determination of zirconium in steel and cast iron using arsenazo III. S. B. Savvin, D. S. Kadaner A. S. Riabova. Zhur. anal. khim. 19 no. 5:561-563 '64.

METALLURGICAL FURNACES—PROTECTIVE ATMOSPHERES

Nonoxidative heating of steel parts in electric furnaces. G. F. Degtev, V. I. Kharchenko. Gaz. prom. 8 no. 6: 22-23 '63.

METALLURGICAL PLANTS see subdivision under Armenia; Moscow

Investigating special railroads in metallurgical plants operating under heavy loads M A. Frishman and others. Stal' 23 no 4 382-383 Ap '64

Vasil'ev, V. A. [Handbook on safety measures for workers engaged in the assembly of pipes and industrial equipment in operating metallurgical plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po montazhu truboprovodov i tekhnologicheskogo oborudovaniia v deistvuiushchikh tsekhakh metallurgicheskoi promyshlennosti. Moskva, Stroiizdat, 1964. 32 p. (Tekhnika bezopasnosti v stroitel'stve)

METALLURGY

Achievements of Soviet metallurgy. V. S. Ziabkin. Inform. biul. VDNKH no 2:1 F '64.

From superstition to knowledge V. A Brandt Metallurg 9 no 5 30 My '64

Intensifying the processes of producing metal V. A IAshchenko. Met. i gornorud prom no 6:83 N-D '62

Kucher, A. M., ed. [Technology of metals] Tekhnologiia metallov. [By] N. N. Kropivnitskii i dr. Izd. 2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964 502 p.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur.: Met. no. 8 Ag '64.

METALLURGY—CONGRESSES

Conference on the overall mechanization and automation of industrial processes in the metallurgy of the Ukrainian S. S. R. Met. i gornorud. prom. no 6:81-82 N-D '62.

METALLURGY—EXHIBITIONS

"Metallurgiia" pavillion at the Exhibition of the Achievements of the National Economy of the U S. S R A Boiarshinov Metallurg 9 no 5 1-2 My '64.

METALLURGY—PRODUCTION STANDARDS

Bel'gol'skii, B. P., E. S. Gilkman, and I. A. Medvedev. [Production standards in metallurgy] Tekhnicheskoe normirovanie metallurgicheskoi promyshlennosti. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 194 p.

METALS

Maslov, E. N. [Principles of the science and technology of metals] Osnovy metallovedeniia. Izd. 2. Moskva, Mosk. inzhenerno-fizicheskii in-t, 1960. 142 p. [MICROFILM]

METALS—ANALYSIS

Amperometric determination of iron, copper, and zinc in aluminum alloys by titration with 8-mercaptoquinoline. IU. I. Usatenko, V. I. Suprunovich. Zav lab. 30 no. 6 662-663 '64

Photometric determination of antimony impurities in gallium, indium, and thallium. E. A. Biriuk Zav lab. 30 no. 6:651-652 '64.

Results in determining the sum of metals by copper (Cu, Ni, Co) depending on the method of their extraction from plant ashes. M. D. Skarlygina, G. A. Berezkina. Vest. LGU 19 no. 12:157-161 '64.

METALS—BRITTLENESS

Appearance of submicroscopic cracks in plastic metals undergoing static deformation. I. A. Oding, IU. P. Liberov. Izv. AN SSSR. Met. i gor. delo no 2:85-91 Mr-Ap '64.

Deformation of brittle solids. I. M. Pavlov, M. V. Rastegaev, V. M. Zharov. Trudy Inst. met. no. 14:90-100 '63.

Determination of the brittle strength of steel in the series of bend and tensile tests. V. A. Bykov, G. N. Vsevolodov, Z. L. Kazimirskaia. Zav. lab 30 no. 6:749-750 '64.

METALS—COLORING

Drying colored hardware through gas heating. G. F. Degtev, B. V. Savich. Gaz. prom. 7 no. 3:33-35 '62.

METALS—FATIGUE

Determining losses for mechanical hysteresis in a discrete contact. I. R. Koniakhin, B. P. Mitrofanov. Fiz. met. i metalloved. 17 no. 6, 941-943 Je '64.

Effect of contact friction on the energy criteria of cyclic strength and the physical fatigue limit. I. A. Oding, V. N. Stepanov. Dokl. AN SSSR 156 no. 6:1333-1335 Je '64.

V. S. Ivanova's "Fatigue failure of metals." I. V. Kudriavtsev. Zav. lab. 30 no. 6:766 '64.

METALS—FINISHING

Effect of surface conditions on the jump-like deformation of aluminum at T = 1.3°K. O. V. Kliavin, A. V. Stepanov. Fiz. met. i metalloved. 17 no. 4:592-600 Ap '64.

METALS—FRACTURE

Conditions of metal fracture. A. S. Drachinskii, V. I. Trefilov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:22-25 '64.

METALS—HARDENING

Elizavetin, M. A., and E. A. Satel'. [Technological methods for increasing the durability of machinery; increasing the operational properties and reliability of machine parts] Tekhnologicheskie sposoby povysheniia dolgovechnosti mashin; povyshenie ekspluatatsionnykh svoistv i nadezhnosti raboty detalei mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 438 p.

'64.

METALS—HEAT TREATMENT

Accelerating the ordering of atoms and increasing the strength of metals during cyclic heat treatment (TSTO) in vacuum. S T Shavlo Fiz. met i metalloved 17 no. 4:633-635 Ap '64

Surface saturation by lithium of iron cobalt and nickel F. N Tavadze E S Kartozia Trud, GPI [Gruz] no 4 57-63 '62

METALS—MAGNETIC PROPERTIES

Quantum theory of thermomagnetic phenomena in semiconductors and metals P S Zyrianov, V P Silin. Fiz. met. i metalloved 17 no 6 934-935 Je '64.

METALS—TESTING

(see also subdivision under Leipzig)

Determination of the impact energy in a durability test. IU. G. Bystrov. Zav. lab 30 no. 6, 739-741 '64.

Determining the compressibility of metals and alloys. K. P. Rodionov. Fiz. met i metalloved 17 no 6 813-818 Je '64.

Moscow. Institut metallurgii. [Plastic deformation of metals] Plasticheskaia deformatsiia metallov Moskva, Nauka, 1964. 180 p

Necessary condition for intercrystallite fracturing in the rupture of metal with an equiaxial structure O S Mironov. Fiz. met. i metalloved 17 no 4 622-623 Ap '64

METALS, EFFECT OF TEMPERATURE ON

Anomalous temperature dependence of the paramagnetic susceptibility of certain manganese alloys D I Volkov P A Pshenichkin N I Bublik Fiz met i metalloved 17 no 5 698-702 My '64.

Changes of volume and thermal effect during the heating of deformed metals. L N Larikov Sbor nauch rab Inst metallofiz. AN URSR no 18:35-39 '64.

Effect of cyclic temperature fluctuations and tensile stresses on changes in the microhardness along the cross-section of grains and deformations occurring in commercial-grade iron M. G Lozinskii, V. IA. Ferenets. Izv. AN SSSR. Met. i gor. delo no. 2 97-104 Mr-Ap '64.

Effect of high pressures on transformations during the tempering of ShKh15 steel L. A Mel'nikov, B K Sokolov, A I Stregulin Fiz met i metalloved 17 no 5 769-772 My '64

Effect of overheating and inoculation on the properties of gray cast iron. F. N. Tavadze, M. D Lanchava. Soob. AN Gruz. SSR 33 no. 3, 621-626 Mr '64.

Investigating final structural deformations and the amount of residual austenite in hardened roll steel G I. Aksenov, N P. Morozov, V A Chaika Fiz met i metalloved 17 no 5 737-743 My '64

Investigating the behavior of nozzle blades in conditions of steady and unsteady heat flow. V. N. Gridnev and others. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:47-53 '64.

Investigating the kinetics of low-temperature transformations in permalloys. M. A. Bol'shanina, A. D Korotaev Fiz. met. i metalloved 17 no. 4:512-518 Ap '64

Temperature dependence of impurity concentration in Suzuki atmospheres in a number of solid solutions. E. F Dudarev, V E. Panin, N V Nikitina. Fiz. met. i metalloved. 17 no. 6 924-930 Je '64.

Temperature dependence of the electric resistance of a single crystal of molybdenum N. V. Volkenshtein and others. Fiz met. i metalloved 17 no 4 627-629 Ap '64.

X-ray investigation of the surface of nozzle blades tested for heat-resistance. A. P. Glazov, L V. Tikhonov, M S. Khazanov. Sbor. nauch. rab. Inst. metallofiz AN URSR no. 18:60-68 '64.

METALS, RARE AND MINOR

(see also subdivision under Africa)

Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. [Albitized and greisenized granites, a new prospective type of rare element deposits] Al'bitizirovannye i greizenizirovannye granity - novyi perspektivnyi tip mestorozhdenii redkikh elementov. Moskva, 1961. 33 p. [MICROFILM]

METALS, RARE AND MINOR—BIBLIOGRAPHY see Bibliography—Metals, Rare and minor

METALS, SUBSTITUTES FOR

Greater daring in the introduction of nonferrous and ferrous metal substitutes I. G. Vendrov, L B Boguslavskii Metallurg 9 no 7:38-39 Jl '64

METALS AT HIGH TEMPERATURES

Compressive strength of metal-ceramic copper at elevated temperatures A. P. Savitskii and others. Izv. vys. ucheb. zav.; fiz. no. 4:35-40 '64

Heat-resistance and weld-resistance of deposited metal. M A Tylkin Avtom. svar. 17 no. 7 36-43 Jl '64

Investigating high-temperature oxidation of nickel-chromium alloys. I. S. Gil'dengorn, I. L. Rogel'berg. Fiz. met. i metalloved. 17 no. 4:527-535 Ap '64.

METALS AT HIGH TEMPERATURES (Continued)

Measuring the heat capacity and heat conductivity of rods under [illegible] heating-cooling conditions E S Platunov. Teplofiz. vys temp 2 no 3 378-383 My-Je '64

Measuring the thermal diffusivity of metals at high temperatures Part I Theory of the method of variable heating in a high-frequency furnace L P Filippo I A Pigal'skaia Teplofiz vys temp 2 no 3 334-341 My-Je '64

Mechanism of polycrystalline metal failure at high temperatures M G Lozinskii N Z Pertsovskii Fiz met. i metalloved 17 no 6 903-909 Je '64

Properties of solid solutions of the ternary system Nb - Mo - Cr at high temperatures N N. Kurnakov, M M. Savel'eva Izv. AN SSSR. Met. i gor. delo no. 2 164-166 Mr-Ap '64

METALWORK

Kucher, A. M , ed. [Technology of metals] Tekhnologiia metallov [By] N N Kropivnitskii i dr. Izd. 2 , perer. i dop Moskva, Izd-vo "Mashinostroenie," 1964. 502 p.

METALWORK—PRODUCTION STANDARDS

Bel'gol'skii, B P , E. S Glikman, and L A. Medvedev [Production standards in metallurgy] Tekhnicheskoe normirovanie v metallurgicheskoi promyshlennosti. Khar'kov, Izd-vo Khar'kovskogo univ , 1963 194 p

METALWORK—SAFETY MEASURES

Vasil'ev, V. A. [Handbook on safety measures for workers engaged in the assembly of pipes and industrial equipment in operating metallurgical plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po montazhu truboprovodov i tekhnologicheskogo oborudovaniia v deistvuiushchikh tsekhakh metallurgicheskoi promyshlennosti Moskva, Stroiizdat, 1964. 32 p. (Tekhnika bezopasnosti v stroitel'stve)

METALWORK—STUDY AND TEACHING

Seminar for metalworkers Inform. biul VDNKH no 2 33-34 F '64

METALWORKERS—DISEASES AND HYGIENE

For a further improvement in the working conditions of metalworkers A P Rudnev Metallurg 9 no 7 6-7 Jl '64

METALWORKING LUBRICANTS

New lubricating and cooling fluids IU N. Shekhter, V P Kalashnikova, N. I Evstratova Stan i instr 35 no 6 34-37 Je '64.

Search for new lubricants for the cold rolling of stainless steel pipe D. M. Murinov, A. Z Grebenshchikova, A. A. Iladova, Stal' 23 no. 4 342-343 Ap '64.

Veller, S. IA. , and V. I. Likhtman. [Effect of lubricants during metalworking] Deistvie smazok pri obrabotke metallov davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1960. 231 p.
(ICMILC)

METALWORKING MACHINERY

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Rolls for knurling fluting, design and specifications] Roliki dlia nakatki riflenii, konstruktsii i ispolnitel'nye razmery (MN 2027-61—MN 20-29-61). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

METALWORKING MACHINERY—SAFETY APPLIANCES

Safety measures while working with pressing equipment P Kazakevich Okhr. truda i sots strakh 7 no. 5:43-46 '64

METAMORPHISM (GEOLOGY)

(see also subdivision under Yenisey Range)

Current trends in the study of metamorphism. N. G. Sudovikov. Vest. LGU 19 no. 12:5-16 '64.

Pyrometamorphism of disseminated organic matter in the Lower Jurassic sedimentary rocks of the Crimea. F. G Martynov, A. V Petukhov. Biul. MOIP. Otd geol. 38 no. 6:114-119 N-D '63

Role of kinetic factors in the reactions of hydrothermal metamorphosis of the rocks under near-surface conditions. V. L. Rusinov. Dokl. AN SSSR 157 no. 4: 890-893 Ag '64.

METASOMATISM see subdivision under Caucasus

METASTASIS

Critical remarks. A. G. Baranova. Vop. onk. 9 no. 6: 126-128 '63.

Dynamics of the development of late metastases of ascitic tumors in rats. N. S. Kiseleva, V. V. Panikarovskii Vop. onk. 10 no. 3:41-46 '64.

Late results of radiotherapy of a giant cell tumor of the bone (osteoblastoclastoma). L. A. Odesskaia-Mel'nikova, I. N. Odesskii. Vop. onk. 9 no. 6:16-24 '63.

Metastases and recurrences in the vagina in uterine cancer. I. V. Bokhman. Akush. i gin. 40 no. 1:124-129 Ja-F '64.

Metastatic spreading of Brown-Pearce tumors in the presence of functional changes of the liver. L. K. Podzei. Pat. fiziol. i eksp. terap. 6 no. 4:76-78 Jl-Ag '62.

Neoplastic nature of osteoblastoclastoma. K. V. Daniel'-Bek, A. V. Talalaeva. Arkh. pat. 26 no. 2:74-78 '64.

Some peculiarities of metastasization of rat sarcoma SSR following inoculation under the skin of the tail. L. L. Maliugina, N. R. Miuller. Vop. onk. 9 no. 6:56-59 '63.

Tentative sarcolysin therapy of pulmonary metastases of Walker's carcinosarcome. N. S. Kiseleva. Pat. fiziol. i eksp. terap. 6 no. 4:50-53 Jl-Ag '62.

Tumors of the skin in rats caused by 9, 10-dimethyl-1, 2-benzanthracene. V. S. Turusov. Arkh. pat. 26 no. 2: 41-50 '64.

Unusual localizations of metastases in stomach cancer A. L. Bogoslavskii. Vop. onk. 10 no 3:105-110 '64.

METEORITES

Primary mineral crystallization and the structures of meteoritic chondrules D. P. Grigor'ev. Dokl. AN SSSR 156 no. 6:1355-1357 Je '64.

METEOROLOGICAL INSTRUMENTS

Apparatus for the recording of the dew balance. F. E. Koltaeev Biul nauch.-tekh. inform. po agron fiz. no. 5/6 65-66 '59.

Possible error in the measurement of precipitation V G Khodakov Meteor i gidrol no 6 51-52 Je '64

METEOROLOGICAL SATELLITES

Cyclone over the Caspian Sea, photographed from a satellite. V. A. Dzhordzhio, O. A. Liapina. Meteor. i gidrol. no. 8:23-25 Ag '64.

METEOROLOGICAL STATIONS

Accuracy in the determination of the wind by the radio-meteorological station "Meteor " B S Debrenev, B P Istomin Meteor. i gidrol no 6 46-48 Je '64

Work of a meteorological station. S. Karmaleev. Voen. vest. 44 no. 7:56-58 Jl '64.

METEOROLOGY

Concerning L. S. Gandin's book "Objective analysis of meteorological fields." V. P. Boltenkov, S. I. Titov. Meteor. i gidrol. no. 8:49-50 Ag '64.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—OBSERVATIONS

Stationary meteorological and phenological observations. V. Sitenov. Sred. spets. obr. 11 no. 6:13-16 Je '64.

METEOROLOGY, AGRICULTURAL

(see also subdivision under Donetsk Province; Lvov Province)

Davitaia, F. F. [Cumulative temperature forecast and some problems of the seasonal development of nature] Prognoz obespechennosti teplom i nekotorye problemy sezonnogo razvitiia prirody. Moskva, Gidrometeoizdat, 1964. 130 p.

Estimating the agrometeorological conditions of the autumn vegetation of winter crops. M. S. Kulik. Meteor. i gidrol. no. 8:16-22 Ag '64.

Rudnev, G. V. [Agricultural meteorology] Agrometeorologiia. Leningrad, Gidrometeoizdat, 1964. 277 p.
(DNAL)

Using electronic computers for the statistical analysis of agrometeorological data. O. D Sirotenko Meteor. i gidrol no. 6 30-34 Je '64

METEOROLOGY, MILITARY

Use of the "meteosrednii" report in the mountains. V. Shevkunov. Voen. vest. 43 no. 4:77-79 Ap '64.

METEOROLOGY IN AERONAUTICS

Some seasonal characteristics of weather conditions in the airports of Leningrad, Vnukovo, Kursk, Kharkov, Rostov-on-Don determined by the height of clouds and visibility. V. I. Titov. Trudy NIIAK no. 11:66-75 '63.

METHACRYLALDEHYDE

Kinetics of isobutylene oxidation to methylacrolein on a copper catalyst. L. P. Shapovalova, IA. B. Gorokhovatskii, M. IA. Rubanik. Kin. i kat. 5 no. 2:330-336 Mr-Ap '64.

Synthesis and use of butadiene-methacroleinic latexes. Z M Rumiantseva and others Kauch. i rez 23 no 7 7-10 Jl '64.

METHACRYLIC ACID

Selenium-containing derivatives of acrylic and methacrylic acids. A. N. Pudovik, E. I. Kashvarova. Dokl. AN SSSR 158 no. 1:167-169 S-O '64.

METHANE

Adsorption of methane from a hydrazoic mixture using zeolites. L. A. Bobrova, M. A. Nirenberg. Neftepér. i neftekhim. no. 2:32-33 '64.

Determination of the rate constant of the reaction of atomic oxygen with methane. V. V. Azatian, A. B. Nalbadian, TSui Men-iuan' [Tsui Mêng-yüan]. Kin. i kat. 5 no. 2: 201-210 Mr-Ap '64.

Determining the methane content of native coals at pressures up to 50 at. E. G. Lamba, I. L. Ettinger, V. G. Adamov. Izv. AN SSSR. Met i gor. delo no. 2:188-191 Mr-Ap '64.

Determining the methane sorption capacity of reservoir rocks. K. I. Bagrintseva, Z. I. Kozlovtseva. Trudy VNIIGAZ no. 20/28:89-97 '64.

Oxidation of methane in formaldehyde initiated by nitromethane. R. I. Moshkina, A. B. Nalbandian. Neftekhimiia 4 no. 2:286-289 Mr-Ap '64.

Oxidation of methane into formaldehyde initiated by nitrosyl chloride and nitrile chloride. O. A. [illegible] A. B. Nalbandian. Neftekhimiia 4 no. 2:280-28[illegible] Ap '64

Thermooxidizing pyrolysis of methane. S. M. [illegible] Khim. prom. [Ukr.] no 3:14-19 Jl-S '63

METHANEDIOL

Formulas for calculating the number of theoretically possible isomers of ethers, esters, and methylene glycol. B. F. Pishnamazzade. Azerb. khim. zhur. no. 5:61-71 '63.

METHANESULFONIC ACID—THERAPEUTIC USE

Late results of myelosan therapy of chronic myeloid leukemia. Sh. Zh. Balgozhina. Probl. gemat. i perel. krovi 8 no. 8:18-22 Ag '63.

METHANOL

Comparison of the electron-donor properties of the series of aliphatic and cyclic ethers during interaction with CH_3OD. I. M. Ginzburg, E. S. Petrov, A. I. Shatenshtein. Zhur. ob. khim. 34 no. 7:2[illegible] Jl '64.

Ferromolybdenum catalysts for the oxidation of methanol in formaldehyde. B. I [illegible], Z. V. [illegible] Kushnarenko. Khim. prom. [Ukr.] no 3:[illegible]

Reaction between oxygen atoms and methyl alcohol. V. V. Azatian, A. B. Nalbandian, K. T. Oganesian. [illegible] AN SSSR 157 no. 4:930-933 Ag '64.

METHEMOGLOBIN

Experimental therapy and prevention of methemoglobinemia with cystamine hydrochloride. M. Kushankovskii. Pat. fiziol. i eksp. terap. [illegible] 15-18 Jl-Ag '62

METHIONINE

Effect of acridine orange on the incorporation of [illegible] methionine in the cells of tissue cultures. A. V. Zelenin, E. A. Liapunova. Dokl. AN SSSR [illegible] 221-224 S-O '64.

METHODOLOGY

For further creative work on the philosophical [illegible] contemporary natural science. A. V [illegible] filos 18 no 6 49-51 '64.

The place and the objectives of philosophical problems of natural science in the Marxist-Leninist [illegible] V I. Mal'tsev Vop. filos. 18 no. 6:55-5[illegible]

METHYL GROUP

Homogeneous demethylation of methyl naphthalenes. M. G. Gonikberg and others. Neftekhimiia 4 [illegible] 252-256 Mr-Ap '64.

METHYLENE BLUE

Diagnostic significance of changes in the reaction of methylene blue discoloration in the treatment of late pregnancy toxemias. A. P. Mironenko. Akush. i g[illegible] 40 no. 1:136-137 Ja-F '64.

Homofermentative lactic acid fermentation in the presence of complementary hydrogen acceptors. V. [illegible] Shaposhnikov, E. N. Krasil'nikova. Dokl. AN SSSR [illegible] no. 4:968-971 Ag '64.

MEXICO—COMMERCE—RUSSIA

Our trade with Mexico. V. Kolodkov. Nov. vrem. 22 no. 31:20-21 Jl '64

MEXICO—COMMUNIST PARTY

Forty five year struggle for the interests of Mexican workers. O. M. Konstantinov. Vop. ist. KPSS 8 [illegible] 85-89 S '64.

MEXICO—FOREIGN RELATIONS

Mexican foreign policy. E. Lapshov. Mezhdunar. [illegible] 11 no. 9:64-70 S '64.

MEXICO—MURAL PAINTING AND DECORATION

Mexican frescoes. A. Pavlenko. Nov. vrem. 22 [illegible] 25-27 Ag '64.

MEXICO—RELATIONS (GENERAL) WITH RUSSIA

The Soviet Union and Mexico. A. Sironenko. [illegible] 22 no 32:6 Ag '64.

MICA

Use of mica materials in high-voltage machines. V. [illegible] *Volkov.* Trudy VEI 71:121-200 '63.

MICA INDUSTRY see subdivision under Yakutia

MICHURINSK—THEATER

Experiments in Michurinsk L. Uvarova. Teatr 24 no. 12:47-50 D '63.

MICROBIAL METABOLITES

Transformation of micro-organisms by various fractions of microbial allergens. G. A. Kudrina, P. P. [illegible] Agrobiologiia no. 1:54-64 Ja-F '64.

MICROBIOLOGICAL RESEARCH

Nomogram for the determination of the biomass of micro-organisms. F. P. Riabov. Nauch. dokl. vys. shkoly. Biol. nauki no. 3:161-164 '64.

MICROBIOLOGY

Development of Soviet microbiology; scientific session at the Department of Biochemistry, Biophysics and the Chemistry of Physiologically Active Compounds IU.N Karasevich Vest.AN SSSR 34 no 7:111-113 Jl '64

On P A.Genkel''s book "Plant physiology and the principles of microbiology." P.S.Belikov. Nauch.dokl vys. shkoly, biol. nauki no.3;214-216 '64.

MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Evaluation of Tynsdall's medium for laboratory diagnosis of diphtheria, annotation E G.IAgnetinskaia Lab delo no 7:399-400 '64

MICROBIOLOGY—INDUSTRIAL APPLICATIONS

Latvijas Padomju Socialistiskas Republikas zinatnu akademija. Mikrobiologijas institute. [Microbiological processes and production] Mikrobiologicheskie protsesy i proizvodstvo. Riga, Izd-vo Akad.nauk Latviiskoi SSR, 1964. 153 p.

MICROBIOLOGY—TECHNIQUE

Microbiological method for the determination of vitamin B_6 F A.Kruchakova, IU A Rudchenko Lab.delo no.7 400-403 '64

MICROCHEMISTRY

Determination of the proteolytic activity of pepsin and trypsin by a rapid microchemical method A A Pokrovskii, L M Bogdanova Lab delo no 7:411-414 '64

MICROCLIMATOLOGY

Microclimatic conditions under light-weight covers from translucent films. O.D.Rozhanskaia. Biul nauch-tekh. inform.po agron.fiz. no 5/6:5-11 '59.

MICROMETER

Determining temperature coefficient and the distances between horizontal lines on the glass plate of the ocular micrometer of the Moscow zenith telescope. L.P. Basurmanova, Soob.GAISH no.134:37-39 '61.

Value of the screw turn of the ocular micrometer of the zenith telescope at the Moscow Observatory, L.V. Rykhlova, IU.I. Prodan, Soob.GAISH no.134:33-36 '64

MICRO-ORGANISMS, EFFECT OF DRUGS ON

Effect of extractions from the roots of ginseng on protozoans and yeast fungi. K.I.Gavrilov. Mat.k izuch. zhen'.i drug.lek rast.Dal'.Vost. no.5:153-155 '63

MICRO-ORGANISMS, EFFECT OF RADIATION ON

Oxygen effect and postradiation recovery after X-ray treatment of a bacterial cell. D.A.Val'dshtein. TSitologiia 5 no.4:460-401 Jl-Ag '63.

MICRO-ORGANISMS, NITROGEN-FIXING

Cytological and cytochemical changes in nodule forming bacteria in nodules. A.P.Petrosian, E.N.Avvakumova. Dokl.AN Arm.SSR 39 no.1;49-52 '64.

MICROPALEONTOLOGY, STRATIGRAPHIC

Microfauna investigation of thin sections based on clays of the Maikop series D.A.Agalarova, I.M.Liberzon Azerb.neft.khoz. 43 no.2:12 F '64.

MICROPHOTOMETER

Determining the reflecting properties of minerals by the MF-2 microphotometer, V.F.Barabanov, M.M.Kler, S.M.Stepanova. Vest.LGU 19 no.12:32-37 '64.

MICROSCOPE—CLASSIFICATION

Classification of photoelectric microscopes. A.M. Dol'inovskii. Izm.tekh. no.3:13-16 Mr '64.

MICROSCOPY

Microscopic studies of dyed cross sections of viscose fibers. S.A.Novikova; V.I.Vorob'eva. Khim.volok. no.3:51-53 '64.

Some modifications of macro-microscopic methods of examining the vegetative nervous system. B.M.Erez. Arkh.anat., gist.i embr. 45 no.12:57-58 D '63.

MICROWAVE COMMUNICATION SYSTEMS

Probability of the propagation of radio waves through the Es layer. IU.K.Chasovitin, S.G.Fesenko. Elektrosviaz' 18 no.8:77-78 Ag '64.

Reliability of communication and necessary signal to noise ratio relationships in a microwave radio communication channel. E.N.Konopleva. Elektrosviaz' 18 no.5:3-6 My '64.

MICROWAVE MEASUREMENTS

Characteristics of some ferrite microwave phase shifters. I.M.Grankin; IU.F.Larkin. Izv.vys.ucheb. zav.; radiotekh. 7 no.2:186-190 Mr-Ap '64.

Measurement of H_{01} wave losses in multiwave waveguide lines using a pulse train technique. A.I.Kozelev, R.F.Matveev. Izv.vys.ucheb.zav.; radiotekh. 7 no.2:154-163 Mr-Ap '64.

Methods for measuring the coupling impedance of a delay system using a dielectric probe. K.IA.Lizhdvoi. Izv. vys.ucheb.zav.; radiotekh. 7 no.2:200-204 Mr-Ap '64.

MICROWAVE TUBES

Calculation of microwave devices with tubular beams. N.E Belov. Izv.vys.ucheb.zav.; radiotekh. 7 no.2: 246-248 Mr-Ap '64.

Contribution to the theory of nonlaminated electron stream focused by a magnetic field. A.D.Vlasov. Radiotekh.i elektron 9 no.7:1234-1245 Jl '64.

Effect of beam current decrease along a delay system on the operation of backward-wave and traveling-wave tubes. N P Budnikova, N.I.Sinitsyn, V N Shevchik. Izv.vys.ucheb.zav ; radiotekh 7 no 2 131-138 Mr-Ap '64.

MICROWAVES

Axisymmetrical excitation of a cone with finite length. G.N.Vasil'ev, A R Seregina, V.G.Kamnev. Izv,vys. ucheb,zav., radiotekh. 7 no.2,243-246 Mr-Ap '64.

Broadband waveguide power stabilizer. R A.Valitov, E.A.Domanova, V.T.TSarenko. Izv vys.ucheb.zav., radiotekh. 7 no.2 253-256 Mr-Ap '64

Calculation of composite oscillatory systems B.I Kurilin. Izv.vys.ucheb.zav., radiotekh 7 no 2: 180-185 Mr-Ap '64

Contribution to the theory of nonlaminated electron stream focused by a magnetic field A.D.Vlasov. Radiotekh.i elektron. 9 no.7;1234-1245 Jl '64.

Experimental study of some problems of long-distance tropospheric propagation of S-band waves. IA.S.Shifrin, V.A.Tarasov, P.S.Trashkov. Elektrosviaz' 18 no.8:1-8 Ag '64.

Experimental study of the frequency dependence of a circulator magnetizing current. G.P.Veselkov Izv vys.ucheb.zav ; radiotekh. 7 no.2,211-243 Mr-Ap '64.

Frequency dependence of the attenuation factor of comb-type delay systems. V.N.Artem'ev, L.I.Kats. Radiotekh.i elektron. 9 no.7:1214-1222 Jl '64.

Inverted diodes. L.A.Logunov, N.K.Rudneva, E.B Cherniak. Radiotekh.i elektron. 9 no.7:1258-1269 Jl '64.

MICROWAVES—SPECTRA

Microwave spectrum and effective rotation constants of CD_3CH_2OH molecules, L.M.Imanov, A.A.Abdurakhmanov, R.A.Ragimova Opt i spektr. 17 no 2: 306-307 Ag '64.

MIDDENDORF, ALEKSANDR FEDOROVICH, 1815-1894

IUrgenson, P.B. [Along the unknown paths of Siberia] Nevedomymi tropami Sibiri. Moskva, Izd-vo "Mysl'," 1964. 45 p. (Geograficheskaia seriia: Zamechatel'nye geografy i puteshestvenniki)

MIDDLE EAST see Near East

MIDDLE URAL ECONOMIC REGION—INDUSTRIAL MANAGEMENT

Replies to the editor. Fin.SSSR 38 no.6;62-63 Je '64.

MIDDLE URAL ECONOMIC REGION—MACHINERY INDUSTRY

Nonutilized potentialities in the machinery industry. V.T.Poluianov. Mashinostroitel' no.7:18-19 Jl '64.

MIGMATITES see subdivision under Taymyr Peninsula

MIGRATION, INTERNAL see subdivision under Siberia

MIKHAILOV, ALEKSANDR GRIGOR'EVICH, d.1964

Aleksandr Grigor'evich Mikhailov; obituary. Masl.-zhir. prom. 30 no.7:17 Jl '64.

MIKOIAN, ANASTAS IVANOVICH, 1896-

A.I.Mikoian, President of the Presidium of the Supreme Soviet of the U.S.S.R. Nov.vrem. 21 no.30 4 Jl '64

MILI STEPPE see Kura Lowland

MILITARY ART AND SCIENCE

Readiness first of all. M IAnchuk. Starsh.-serzh. no.7,12-13 Jl '64.

Role of fire and maneuverability in offensive operations A.Sidorenko. Voen.-ist.zhur. 5 no 4:14-24 Ap '63.

Treatise on the history of military art. S.Lipitskii. Voen.-ist zhur. 5 no.4:89-93 Ap '63.

MILITARY ART AND SCIENCE—TECHNOLOGICAL INNOVATIONS

A word to innovators P.Zel'din and others. Starsh.-serzh. no.7:32-33 Jl '64.

MILITARY ASSISTANCE, AMERICAN see subdivision under Asia, Southeastern; Congo (Leopoldville); Vietnam, South

MILITARY ASSISTANCE, FRENCH see subdivision under Gabon

MILITARY ASSISTANCE, RUSSIAN see subdivision under Algeria

MILITARY AUTOMOBILES see Automobiles, Military

MILITARY BASES, AMERICAN see subdivision under Arctic Archipelago

MILITARY BRIDGES

Rates of crossing can be increased V.Ermakov. Tekh. i vooruzh. no.3;52-53 Mr '64.

MILITARY COMMUNICATIONS see Communications, Military

MILITARY DEMOLITION see Demolition, Military

MILITARY DISCIPLINE

The commander encourages. N.Ishmaev. Voen.znan. 40 no 7 8-9 Jl '64.

MILITARY EDUCATION
(see also subdivision under Tajikistan; Tashkent; Yaroslavl)

Be worthy of the glory of our fathers. P Lashchenko. Voen.vest. 44 no.7;60-63 Jl '64.

Before military service. A.Belokon'. Voen.znan. 40 no.7;32-33 Jl '64.

The district committee and primary organizations. G.Tomilin. Voen.znan. 40 no.7 31-32 Jl '64.

Effective propaganda of advanced experience. N.Nikitin. Komm.Vooruzh.Sil 4 no.7 61 Ap '64.

Force of example. Komm.Vooruzh.Sil 4 no.7:62-66 Ap '64.

Improve the propaganda of military technical knowledge. Voen.znan. 40 no 7:3-4 Jl '64.

Industrial practice of students M Spasskii. Voen.vest. 43 no.4,62-63 Ap '64.

Serve excellently, soldier! N.Klimenko. Voen.znan. 40 no.7;34-35 Jl '64.

Spirit of military service I.Pliev. Voen.vest. 43 no.4;46-49 Ap '64.

Strengthen the material base of society. A.Sergeev Voen.znan. 40 no 7:30 Jl '64.

MILITARY ENGINEERING

Engineer support in forcing crossings. Voen.vest. 44 no.7;18-19 Jl '64.

Engineer training in an artillery unit. P Chuiko, A.Demchenko. Voen.vest 43 no 4;90-91 Ap '64.

Solve this problem. Engineer support of a motorized rifle battalion attack Voen.vest. 43 no 4 92-93 Ap '64.

MILITARY HOSPITALS see Hospitals, Military

MILITARY HYGIENE

Health of servicemen and methods of its study. L.E. Poliakov. Voen.-med.zhur. no.1;13-16 '63.

Organization of rat eradication among troops in stationary quarters. B.L.Shura-Bura, R.A.Tararin. Voen.-med.zhur. no.1:56-59 '63.

MILITARY MEDICINE see Medicine, Military

MILITARY MINES see Mines, Military

MILITARY MOTORIZATION see Motorization, Military

MILITARY MUSEUMS see subdivision under Leningrad; Novosibirsk

MILITARY RADAR see Radar, Military

MILITARY RADIO see Radio, Military

MILITARY RECONNAISSANCE

Tank platoon in combat reconnaissance patrol. F.Trofusha. Voen.vest. 43 no.4 35-37 Ap '64.

Trainer for instruction in radiation and chemical reconnaissance. R.Vakhtangov. Voen vest. 44 no.7: 111-113 Jl '64.

Training artillery scouts in the field. F.Chernukha. Voen.vest. 43 no.4,74-75 Ap '64.

MILITARY RESEARCH see subdivision under United States

MILITARY SERVICE, COMPULSORY

The Communist Party, the organizer of universal military training for the working masses during the civil war in the U S S R. P Dmitriev Voen.-ist. zhur 5 no 4;3-13 Ap '63.

MILITARY SERVICE AS A PROFESSION

Roads and ways. A.Korniukhin. Mol.komm. no.2;53-56 F '64.

MILITARY SHOOTING see Shooting, Military

MILITARY SUPPLIES

Experience, initiative. Tekh.i vooruzh. no 3;27,58, 82-83 Mr '64.

Know and protect combat matériel well Tekh i vooruzh. no.3;2-3 Mr '64.

MILITARY SUPPLIES—MAINTENANCE AND REPAIR

Unit engineers on maintenance Tekh.i vooruzh. no.3: 4 Mr '64.

MILITARY TOPOGRAPHY

A useful textbook. E.Golikov, V.Ofitserov, V.Rubakhin. Voen.vest. 44 no.7;123-124 Jl '64.

MILK—COMPOSITION
(see also subdivision under Riga)

Change in the protein content of milk within a breed. K.V.Markova. Trudy VIZH 25;139-147 '63.

Change of milk protein fractions in the course of lactation. IU.I.Raetskaia. Trudy VIZH 25;132-138 '63.

MILK—PASTEURIZATION

Me[illegible] of [illegible] sour cream and cottage [illegible] pasteurization of the initial raw [illegible] M K [illegible] O P Formilova Sbor ref nauch rab VNIMP no 1 [illegible] '55

MILK, CANNED

[illegible] the purification of sugar syrup S V F[illegible] Sbor ref nauch rab VNIMP no 1 [illegible]

Gurchenko, Z K., and others. [Mechanization of canned milk plants] Mekhanizatsiia molochnokonservnykh zavodov Moskva, TSentr in-t nauchno-tekhn informatsii pishchevoi promyshl , 1963 77 p
[MICROFILM]

[illegible] of milk in the milk plants I A Orlova [illegible] Sbor ref nauch rab VNIMP no 1 59-63 '55

MILK, CONDENSED

[illegible] production method for the manufacture of sweetened condensed milk V V Strakhov. Sbor ref nauch rab VNIMP no 1 76-78 '55

Quality of sweetened condensed milk and dry whole milk S F Kisenko L A Karunina Sbor ref nauch rab VNIMP no 1 78-60 '55

Specification of raw product losses in the manufacture of dried and condensed skim milk A F Vasil'eva Sbor ref nauch rab VNIMP no 1 102-108 '55

MILK, CONDENSED—COOLING

Improved system for the cooling of sweetened condensed milk in horizontal and vertical type vacuum coolers S F Kisenko, V N Ba stova Sbor ref nauch rab VNIMP no 1 82 83 '55

MILK, CONDENSED—TESTING

Effect of milk cow feeding with fermented bagasse on the quality of sweetened condensed milk S F Kisenko L A Karunina Sbor ref nauch rab VNIMP no 1 83-85 '55

MILK, DRIED

Quality of sweetened condensed milk and dry whole milk S F Kisenko L A Karunina Sbor ref nauch rab VNIMP no 1 78-60 '55

Specification of raw product losses in the manufacture of dried and condensed skim milk A F Vasil'eva Sbor ref nauch rab VNIMP no. 1 102-108 '55

MILK, FERMENTED

Improvement and intensification of the technology for the production of dietetic cultured dairy products M G Demurov Sbor ref nauch rab VNIMP no 1 59-66 '55

MILK, HUMAN

Refractometric method for the determination of a dry degreased residue of human milk P V Karetnikov Lab delo no 7 415 '64

MILK AS FEED

Raising Yaroslavl heifers on various amounts of milk N. I. Kleimenov. Trudy VIZH 25:63-69 '63

MILK TRADE see subdivision under Kingisepp region (Leningrad Province), Vologda Province

MILKING MACHINES

Gryzas, K., and P. Miseika. [Mechanization of milking] Karvlu melzimo mechanizavimas. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 69 p. [In Lithuanian] (DNAL)

MILKY WAY

Observations at the 21 cm line for investigating the shape of the gas disk of the Galaxy. T. A. Lozinskaia, N. S. Kardashev. Soob. GAISH no 131:37-41 '64

MILKY WAY—OBSERVATIONS

Catalog of 21 cm. line profiles. S. P. Makarova. Astron. zhur. 41 no. 4:608-618 Jl-Ag '64.

Spiral structure of the Galaxy from observations at the 21 cm. line. N. S. Kardashev, T. A. Lozinskaia, N. F. Sleptsova. Astron. zhur. 41 no. 4:601-607 Jl-Ag '64.

MILLET

(see also subdivision under Virgin Territory)

Weed control in millet fields using atrazine, propazine, and simazine. G. A Matveenko. Khim. v sel'. khoz. 2 no. 4:38-39 Ap '64.

MILLING (METALWORK)—TABLES, CALCULATIONS, ETC.

Reingol'd, E. G. [Coordinate points on a circle; reference tables] Koordinaty tochek okruzhnosti; spravochnye tablitsy. Moskva, Mashinostroenie, 1964. 115 p.

MILLING MACHINERY

Boltless fastener for the lining of a ball mill. V. M. Zhuravlev, A. K. Lidums. TSement 30 no. 1:19-20 Ja-F '64.

MILLING MACHINES

Automatic groove milling machine. V. N. Gerasimov, V. F. Kuryndin, N F. Ilushin. Mashinostroitel' no. 6 10-11 Je '64

MILLIVOLTMETER

Transistor millivoltmeter. Radio no. 1:51-52 Ja '64.

MINE BUILDINGS

(see also subdivision under Donets Basin, Karaganda Basin, Krivoy Rog Basin, Kuznetsk Basin, Zaporozh'ye Province)

Designing administration and general services buildings for enterprises of the mining and ore dressing industry. V. D. IAkimenko Adm -byt. komb. ugol'. shakht no. 5: 39-44 '62

Determining horizontal friction forces acting on a rigid building during its undermining taking into account the deformation of the earth's surface. R. A Muller, V V. Madlevskii [Trudy] VNIMI no. 47 110-124 '62

Glass partitions for shower stalls. N A. Travkin Adm -byt. komb. ugol' shakht no 5:81-83 '62.

Laboratory and actual testing of electro-osmotic methods of drying and steamproofing mine bath walls B. V Matveev Adm -byt komb ugol' shakht no 5 92-100 '62

New type of administration and general services combine with storage for work and personal clothes in underground rooms. S. B Nudel'man Adm. -byt. komb ugol' shakht no. 5.25-29 '62

Results of scientific research on the improvement of mine administration and general services combines I. K. Terzian. Adm -byt. komb. ugol' shakht no. 5:4-6 '62

Standardization of administration and general services buildings of open pit ore mines of the iron and steel industry. N. IA. Tomashevskaia Adm -byt. komb ugol'. shakht no. 5:6-11 '62.

Steam and waterproofing of enclosing structures of administration and general services combines A. A Rybiantsev Adm -byt komb. ugol'. shakht no 5:83-92 '62.

MINE BUILDINGS—CONGRESSES

Decisions of the coordinating scientific technological conference on improving administration and general services combines of the coal and iron industries Adm -byt. komb ugol' shakht no 5:100-102 '62

MINE BUILDINGS—EQUIPMENT AND SUPPLIES

New equipment for administration and general services combines developed by the Southern State Institute for the Design and Planning of Mine Construction in the Coal Industry I IA. Berger Adm -byt komb ugol' shakht no 5:58-66 '62.

Results of testing new equipment of mine administration and general services combines. A. P. Urazov. Adm.-byt. komb. ugol'. shakht no 5:66-74 '62.

MINE COMMUNICATION SYSTEMS

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut gornogo dela [Radio communication systems and high-frequency remote control in the mining industry] Radiosviaz' i vysokochastotnaia telemekhanika v gornoi promyshlennosti. Otd red. M. M. Savkin. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 173 p

Telephone communications during the sinking of shafts excluding the reception and transmission of outside noises V N Balakhonov, B. V. Sukhanov. Trudy *KuzNIIshakhtostroia* no. 1 31-40 '63

MINE DRAINAGE

Effect of moisture evaporation from the surface of wall rocks and the drainage ditch on the climate in deep mine workings. A. M. Krivoruchko. Izv vys ucheb. zav.; gor. zhur. 7 no. 3:76-83 '64.

Electronic device for automating drainage equipment with a low-voltage drive. L. V. Trubetskov, A. S. Sergeev. Sbor. nauch. trud. KGRI no. 10:254-259 '61.

Using horizontal boreholes during the draining of strip mines. V. A. Mironenko. [Trudy] VNIMI no. 47:207-215 '62.

MINE DUSTS

(see also subdivision under Donets Basin)

Methods of determining the dispersing composition of drops of spraying water. A. A. Kekin, N. V. Nenashev, A. P. Shchetilin. Trudy Inst. gor. dela AN Kazakh. SSR 12:172-177 '63.

Removing dust from the air and dust binding in ventilation drifts. V. K. Churkin, G. N. Kuzetchenko, N. S. Pernakov Ugol' Ukr. 7 no. 9:44-45 S '63.

Selecting efficient cutting speeds for the KMG-2 rock cutting machine as a factor affecting the dustiness of the air V T Trusin, A D Aksent'ev. Sbor nauch. trud KGRI no. 23:116-121 '63

Suppression of coal dust with a foam having a low volumetric ratio. N. M. Zbykovskii, M. A. Maltutin. Ugol' 39 no. 5:67-68 My '64.

MINE DUSTS—PREVENTION

Do not reduce your efforts. G. Panov. Sov. shakht. 13 no. 4:35 Ap '64.

MINE DUSTS—REMOVAL

Purification of air from dust in sprinkler chambers of hydraulic heaters in mines A A Nemchenko, A. M. Kirichenko. Sbor nauch. trud. KGRI no. 23 137-142 '63

MINE EXAMINATION see subdivision under Krivoy Rog Basin

MINE EXAMINATION—HANDBOOKS, MANUALS, ETC.

Kulichikhin, N. I., ed. [Boring and blasting operations, loading, timbering, mine haulage, ventilation, and drainage; second part of the course "Conducting exploratory operations"] Burovzryvnye raboty, pogruzka, kreplenie, rudnichnyi transport, ventiliatsiia i vodootliv; chast' vtoraia kursa "Provedenie razvedochnykh vyrabotok." [By] N. I. Kulichikhin i dr. Moskva, Izd-vo "Nedra," 1964. 456 p.

MINE EXPLOSIONS see subdivision under Kuznetsk Basin

MINE FILLING

Advantages of filling cavities on the upper levels of the Mirgalimsay Mine and mining support pillars. R. V. Balakh, I. G. Tarakanov, G. V. Meshzherlakov. Trudy Inst. gor. dela AN Kazakh. SSR 12:3-12 '63.

MINE FILLING—EQUIPMENT AND SUPPLIES see subdivision under Donets Basin

MINE *GASSES*

Determination of the zone of economic usefulness of water ring exhausters in degasification systems in coal mines. V. G. Lavrik. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3,59-68 '64.

Heavy hydrocarbons in mine air. S. N Nedvig[illegible] Ugol' Ukr. 7 no. 12 51-52 D '63.

Liberation of gas from a seam during large [illegible] in a stope. V. V Sobolevskii, I. E [illegible]. Ugol' Ukr 7 no. 12,49-50 D '63.

Methods, systems and nature of the degassing of coal beds through wells. O. I. Chernov, A. T. [illegible] Izv. Sib otd. AN SSSR no. 12 16-27 '62.

MINE GASES—SAFETY MEASURES see subdivision under Donets Basin

MINE HAULAGE

(see also subdivision under Krivoy Rog Basin)

Area of efficient use of locomotive and conveyor transportation in haulage drifts. V. A. Leonov, V. M. Kuznetsov. Ugol' Ukr. 7 no. 12:21-23 D '63

Considering the effect of conveyer haulage on the temperature of ventilating currents. E. I. [illegible], I. [illegible] Eremin, E. N. Malashenko. Ugol' Ukr. 7 no. 9:23-24 S '63.

Determining the parameters of an underground excavat[illegible] S. S. Muzgin. Trudy Inst. gor. dela AN Kazakh. SSR 12: 47-55 '63.

Increasing the supply of materials and equipment for mine filling in the Donets Basin with the use of hydraulic and pneumatic transportation. A. E. Smoldyrev Ugol' Ukr. 7 no. 12 24-26 D '63.

MINE HAULAGE—COSTS

Expressing mathematically the complete cost of stepped transportation. V. A. Poliukov. Izv vys ucheb. zav.; gor. zhur. 7 no. 3:31-35 '64.

MINE HAULAGE—TESTING

Coefficient of static friction and coal and rock [illegible] using the Kizel Basin as an example. P. A. Ivanov Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:120-126 '64

MINE HOISTING

Mine surveyor inspection of a hoisting unit. I. I. Debkin [Trudy] VNIMI no. 47:302-314 '62.

Technical and economic indices of the operation of various construction semiautomatic elevators during drilling of vertical and inclined boreholes. V. I. [illegible] Razved. i okh. nedr 30 no. 2:50-52 F '64.

Vertical shaft sinking with the use of a multirope hoisting machine. V. G. Kushmet. Ugol' Ukr 7 no. 9:19-22 S '63.

MINE HOISTING—DESIGN AND CONSTRUCTION

Reducing the static safety coefficient of wire ropes is a large potential for raising the efficiency of hoisting equipment. M. N. Vasilovskii and others. Ugol' Ukr 7 no. 9:31-35 S '63.

MINE HOISTING—ELECTRIC DRIVING

Automatic protection against overloading of electric motors in hoisting machines. I. I. Kovalenko. Ugol' Ukr. 7 no. 9:30 S '63.

MINE HOISTING—TESTING

Investigating the aerodynamic resistance of underground mine hoisting equipment. T. B. Bevz. Sbor. nauch trud. KGRI no. 23:111-117 '63.

MINE LIGHTING

(see also subdivision under Bulgaria)

Voltage and current regulators for charging airtight lamp batteries. M. M. Foliov. Ugol' Ukr. 7 no. 9 48-50 S '63.

MINE RAILROADS

Automating mercury-arc rectifier units of a traction *substation* in a mine. G. I. Linuk. Sbor. nauch. trud KGRI no. 10:266-275 '61.

Diesel locomotives in mines. V. S. Nos, N. V. [illegible] Ugol' Ukr. 7 no. 9:37-38 S '63

Research on the strength of ballast in underground mines L. V. Trubetskov. Sbor. nauch. trud. KGRI no. 10:[illegible]-264 '61.

MINE RAILROADS (Continued)

Taking into account the horizontal displacement of the earth's surface in engineering calculations of overhead vertical chain contact suspensions electrified railroads IU. P. Nekhoroshev. [Trudy] VNIMI no.47:77-84 '62

MINE RAILROADS—CARS

Automatic loading of coal into railroad cars. A. P. Timofeev, G. K. Kravchik. Ugol' Ukr 7 no. 12 28-31 D '63.

MINE RAILROADS—TESTING

Study of the operation of hopper train B. A Strekachinskii Izv. vys ucheb. zav.; gor zhur. 7 no 3:118-125 '64.

MINE ROOF BOLTING
(see also subdivision under Donets Basin)

Methods of calculating the locking of metal slot and wedge type rods. O. V. Timofeev. Zap. LGI 48 no. 1: 87-92 '63.

Roof control in sublevel hydraulic breaking. G. I. Shvetsov. Zap. LGI 48 no. 1 80-86 '63.

MINE ROOF BOLTING—TESTING

Investigating the carrying capacity of rod bolting in the Starobin potassium salt deposit. N. G. Luk'ianov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:36-40 '64.

MINE SURVEYING

Adjusting triangulation networks with the help of the "Ural" electronic machine. A. V. Khlebnikov. [Trudy] VNIMI no.47:345-356 '62.

Ellipses of errors in geodesic cross sections. S. A. Batugin, I. M. Batugina. [Trudy] VNIMI no.47:315-323 '62.

Evaluating adjusted results of measurements. IA. I Perel'shtein. Sbor. nauch. trud. KGRI no. 10:207-210 '61.

Evaluating the accuracy of a connection of the lateral drift between the "Gigant" and "Kommunar" Mines on the 160m-horizon. N. G. Zhukov. Sbor. nauch. trud KGRI no. 10:203-206 '61.

Evaluating the quality of aerogeophysical surveying. B. V. Shilin. Razved. i okh. nedr 30 no. 2:40-44 F '64.

Measuring angles with single-vernier theodolites. A. A. Fedorovskii Sbor. nauch. trud. KGRI no. 10:137-146 '61.

Mine surveyor inspection of a hoisting unit. I. I. Dobkin. [Trudy] VNIMI no.47:302-314 '62.

New method of estimating the accuracy of adjoining in solving a connection triangle. E. I. Rykhliuk. [Trudy] VNIMI no.47:324-332 '62.

Organization of survey services in industrial mining enterprises. N. I. Stonin. [Trudy] VNIMI no.47:297-301 '62.

Preliminary calculation of the accuracy of elements in triangulation series. P I. Efimov. Sbor. nauch. trud KGRI no. 15 110-113 '63.

Some characteristics of the documentation of outcroppings made during the large-scale geological survey of the Krivoy Rog iron ore basin. M. I. Chornovskii. Sbor. nauch. trud. KGRI no. 10:20-24 '61.

Tasks of mine survey service in a mining enterprise. D. M. Kazikaev. [Trudy] VNIMI no.47:201-206 '62.

MINE SURVEYING—EQUIPMENT AND SUPPLIES

Field testing the DST-2 phototachymeter. G. I. Borodulin, V. IA. Chaiko. [Trudy] VNIMI no.47:357-366 '62.

Making planetables on a semirigid base. V. A. Lobastov, F. A. Lobastov. [Trudy] VNIMI no.47:363-367 '62.

New instruments for surveying block workings N. G. Zhukov. Sbor. nauch. trud. KGRI no. 10:195-202 '61.

Tape comparison with the standard by means of invar wires. G. K. Beschasnyi. [Trudy] VNIMI no.47:373-377 '62.

MINE SURVEYING—LAW AND LEGISLATION

Mine surveying and codification of mining law. S. A. Filatov. [Trudy] VNIMI no.47:278-290 '62.

MINE SURVEYING—MAPS

Selecting an efficient scale for topographic maps during the exploitation of deposits. V. I. Miachikov, N. D. Lugovaia. [Trudy] VNIMI no.47:333-344 '62.

MINE TIMBERING

Additional data is needed. O. M. Chumachenko. Ugol' Ukr. 7 no. 12:13-14 D '63.

Changes of the stressed state of the massif and pressure on the support in a widely worked-out area. V. N. Taninskii. Trudy Inst. gor. dela AN Kazakh. SSR 12: 86-121 '63.

Effect of the bearing area on the action of rock pressure on the supports. A. V. Pavlov, A. I. IAkovlev. Zap. LGI 48 no. 1:25-27 '63.

Increasing the stability of major workings in deep mines of the central region of the Donets Basin. S. M. Ostrovskii, E. V. Petrenko. Ugol' Ukr. 7 no. 12:11-13 D '63.

Load distribution on supports of horizontal workings in mines of the Karadzhar-Shakhan section. V. V. Smirniakov, G. G. Mirzoev. Zap. LGI 48 no. 1:38-42 '63.

Maintaining scraper level workings in conditions of increased rock pressure. G. F. Linnik, S. E. Nikulin, G. S. Sulima. Met. i gornorud. prom. no. 6:46-48 N-D '62.

Recommendations made by IU. Z. Zaslavskii are unacceptable. I. A. Filatov. Ugol' Ukr. 7 no 12:14-15 D '63

Selection of basic estimated parameters for the support of major workings in deep mines I. L Davydovich, IU. M Basinskii, N. M Berkovich Ugol' Ukr. 7 no 12 8-11 D '63.

Studying the stability of untimbered mine workings in a biaxial stressed state using the photoelastic method T. N. Tsai [Ts'ai], L. M Erofeev, L. A Miroshnikova Trudy KuzNIIshakhtostroia no. 1:63-79 '63.

Timbering for major workings in deep mines. G. D. Efremov Ugol' Ukr 7 no. 12:15-17 D '63.

MINE TIMBERING—MODELS

Operation of a protective shield under the effect of impact loads in free roof caving. IU. D. Diadkin and others Zap. LGI 48 no 1:64-72 '63

MINE TIMBERING—TESTING

Economic efficiency of mining thick seams with the use of KTU supports. N. IA. Pogodin. Ugol' 39 no. 5:56-60 My '64.

MINE VALUATION

Methods of establishing norms for reserves prepared and ready for mining at enterprises of the East Kazakhstan Council of National Economy N P Tikhomirova. [Trudy] VNIMI no.47:249-257 '62

MINE VENTILATION
(see also subdivision under Krivoy Rog Basin)

Air leakage through ventilation doors, air locks, and crossings. A. F. Miletich. Ugol' Ukr. 7 no. 9:24-25 S '63

Calculating the distance between exhaust fan crosscuts at the drift collector. G K Dymchuk. Sbor nauch trud. KGRI no. 23 148-153 '63

Characteristics of mine ventilation systems with drift collectors. G K Dymchuk Sbor nauch. trud KGRI no 23 121-132 '63.

Considering the effect of conveyer haulage on the temperature of ventilating currents. E. I. Baratov, I. IA. Eremin, E. N. Malashenko. Ugol' Ukr. 7 no. 9:22-24 S '63.

Effect of moisture evaporation from the surface of wall rocks and the drainage ditch on the climate in deep mine workings. A. M. Krivoruchko. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:76-83 '64.

Efficient method of ventilating developed horizons during multi-level mining. R. N. Avramchuk Sbor. nauch trud. KGRI no. 10:88-92 '61.

Efficient methods of ventilating stope blocks during the mining of thick ore deposits. S. I. Lugovskii, G. K. Dymchuk, N. P. Korolenko. Sbor. nauch trud KGRI no. 10:66-70 '61.

Forced ventilation of a strip mine area. B. IA. Drobot, E G. Morozov Sbor. nauch trud KGRI no 15 105-110 '63

Investigating the aerodynamic resistance of underground mine hoisting equipment T B Bevz. Sbor nauch trud. KGRI no. 23 111-117 '63.

New method of calculating mine ventilation systems. N S. Frolov. Sbor nauch trud KGRI no 23 102-105 '63

Regulating the air in complex ventilation systems. S. TSoi, E. I. Rogov. Trudy Inst. gor. dela AN Kazakh. SSR 12:143-150 '63.

Selecting a method of mine ventilation. S. I. Lugovskii, G. K. Dymchuk Sbor nauch trud. KGRI no. 23 107-111 '63

Selection of the optimal cross-section of holes and the distance between them. G. IU. Laigna Izv vys. ucheb. zav.; gor. zhur. 7 no. 3:84-88 '64

Structure of a circular, free, turbulent flow acting in chamberlike workings. S. F. Shepelev, IU. A. Zalevskii. Trudy Inst. gor. dela AN Kazakh. SSR 12:130-142 '63.

Testing rubber piping with highly compressed air. G. T. IAmkovoi. Sbor. nauch. trud. KGRI no. 10:213-222 '61.

Theories of calculating ventilation systems. E. I. Rogov, S. TSoi [S. Ts'ou]. Izv. vys. ucheb. zav.; gor zhur. 7 no. 3:69-75 '64.

Variations of mine ventilation systems with drift collectors. S. I. Lugovskii, G. K Dymchuk Sbor. nauch. trud. KGRI no. 23 83-90 '63.

Ventilating mines during multi-level working of unconnected deposits. R. N. Avramchuk. Sbor nauch trud. KGRI no. 10:80-87 '61.

Ventilation of stopes during intensive stoping operations. A. Sh. Zel'vianskii. Ugol' Ukr. 7 no. 12:3-4 D '63.

MINE VENTILATION—EQUIPMENT AND SUPPLIES
(see also subdivision under Krivoy Rog Basin)

Possibilities of heating air in "wet" hydraulic heaters in mines. A. A Nemchenko, I. T. Ovchinnik. Sbor. nauch trud. KGRI no. 23:154 '63.

MINE VENTILATION—MODELS

Aerodynamic modeling of mine ventilation systems N. S. Frolov Sbor. nauch. trud KGRI no. 23:132-137 '63.

MINERAL WATERS see subdivision under Daghestan; Fergana Valley; Issykata (Kirghizistan); Lipovskoye region (Sverdlovsk Province)

MINERAL WOOL
(see also subdivision under Tashkent)

Briquetting loess dolomite charges in the production of mineral wool V N. Kovalenko, O A. Mkhailiants. Sbor. nauch. trud NII po stroi. ASiA no 4,84-91 '63.

MINERALOGICAL RESEARCH

Work in experimental mineralogy and petrography A A Godovikov Vest AN SSSR 34 no 7 78-80 Jl '64

MINERALOGY see subdivision under Caucasus; Polesye, Uzbekistan

MINERALOGY—CLASSIFICATION

Present-day concepts of mineral species A S Povarennykh Sbor nauch trud KGRI no 10:25-37 '61.

MINERALOGY, DETERMINATIVE
(see also subdivision under Transcarpathia)

Spectral determination of tin, lead, and boron in silicate rocks and minerals. L. I. Pavlenko, V. S. Popova Zav lab 30 no. 6:699-702 '64.

MINERALOGY, DETERMINATIVE—HANDBOOKS, MANUALS, ETC.

Borneman-Starynkevich, I. D. [Handbook for the calculation of mineral formulas] Rukovodstvo po raschetu formul mineralov. Moskva, Izd-vo "Nauka," 1964. 222 p.

MINERALS
(see also subdivision under Karamazar Mountains; Khibiny Mountains; Uzbekistan)

Crystalline texture of "uklonskovite" $NaMg(SO_4)(OH) \cdot 2H_2O$. S. V. Borisov, R. F. Klevtsova, N. V. Belov. Dokl. AN SSSR 158 no. 1,116-118 S-O '64.

Nakovnik, N. I. [Secondary quartzites of the U. S. S. R. and mineral deposits connected with them] Vtorichnye kvartsity SSSR i sviazannye s nimi mestorozhdeniia poleznykh iskopaemykh. Moskva, Izd-vo "Nedra," 1964. 338 p. map (insert)

Nature of the surface of minerals in petroleum-bearing rocks. Sh. K. Gimatudinov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:37-43 '63.

MINERALS—OPTICAL PROPERTIES

Determining the reflecting properties of minerals by the MF-2 microphotometer. V. F. Barabanov, M. M. Kler, S. M. Stepanova. Vest. LGU 19 no. 12:32-37 '64.

MINERALS IN FOOD see subdivision under Ukraine

MINERALS IN PLANTS

Content of ash elements in various parts of pine and spruce. O. V. Butuzova. Bot. zhur. 49 no. 7:1060-1063 Jl '64.

Zinc and its forms in the virgin and long-irrigated soils of the Golodnaya Steppe and in cotton plants. E. K. Kruglova. Pochvovedenie no. 7:75-79 Jl '64

MINERALS IN SOIL

Change of the mineralogical composition of Podzolic soils as a result of the use of fertilizers over a period of many years. S. N. Aleshin, M. Sh. Shaimmukhametov. Izv. TSKHA no 6:64-73 '63

Studying the cation composition of the absorbing complex of lowland peats. I. I. Lishtvan, A. M. Mamtsis, N. V Churaev. Pochvovedenie no 7,60-67 Jl '64.

Use of the Barger method for determining the osmotic suction of soil solutions V. N. Filippova, L. A. Mysina. Pochvovedenie no. 7:107-109 Jl '64.

MINERS—CONGRESSES

Under the badge of the struggle for the unity of the miners of the entire world. B. Hanson. Vsem. prof dvizh. no. 6:41-44 Je 64.

MINES, MILITARY
(see also subdivision under United States)

Antimine barrier. N. Sergeev. Voen. vest. 43 no. 4: 91-92 Ap '64.

On Algerian soil. M. Novikov. Starsh.-serzh no. 7:30-31 Jl '64.

Overcoming obstacles. V. Zhuravlev. Voen. vest. 43 no. 4,87-89 Ap '64.

Simulation of mine fields. V. Zhuravlev. Tekh i vooruzh. no. 3:35-37 Mr '64.

MINES AND MINERAL RESOURCES
(see also subdivision under Armenia; Irkutsk Province)

Development of the mineral resources of the Soviet-Union and the tasks of science. A. V. Sidorenko. Vest. AN SSSR 34 no. 7:12-24 Jl '64.

Establishing norms for losses and the depletion of ore resources during the mining of complex ore deposits. A. N. Omel'chenko, M. D. Onishchenko. [Trudy] VNIMI no.47:229-248 '62.

Methods of determining the amount of ore depletion. A. N. Omel'chenko, M. I. Gleizer. [Trudy] VNIMI no.47:216-228 '62.

Minerogenetic habit of the Cenozoic era. N. A. Vykhover. Razved. i okh. nedr 30 no. 2,1-9 F '64.

MINES AND MINERAL RESOURCES—CONGRESSES

International forum of miners. A. P. Semenov. Ugol' 39 no. 5:74-76 My '64.

MINIATURE ELECTRONIC EQUIPMENT

Microminiaturization of electronic apparatus and problems of chemistry F A. Kuznetsov Vest AN SSSR 34 no 6:51-57 Je '64.

MINIATURE PAINTING, AZERBAIJANI

The art of Azerbaijani miniatures from the end of the 16th to the beginning of the 17th century A. IU Kaziev. Isk. Azerb. no 10:5-31 '64

The 16th century Azerbaijani artist Mukhammedi. K. D. Kerimov. Isk. Azerb no. 10,32-60 '64.

MINING ENGINEERING
(see also subdivision under Dzhezkazgan Depression; Kola Peninsula, Leningrad Province; Mirgalimsay region; Noril'sk region)

Bogoliubov, B. P., and G. F. Grachev. [Selective mining of complex ore deposits] Razdel'naia razrabotka mestorozhdenii slozhnogo sostava. Moskva, Izd-vo "Nedra," 1964. 166 p.

Busyrev, V. M., and V. V. Gushchin. [Efficiency of mining apatite and nepheline ores by the induced level caving system] Effektivnost' razrabotki apatito-nefelinovykh rud sistemoi etazhnogo prinuditel'nogo obrusheniia. Moskva, Izd-vo "Nauka," 1964 97 p.

Changes of the stressed state of the massif and pressure on the support in a widely worked-out area. V. N. Taninskii. Trudy Inst. gor. dela AN Kazakh. SSR 12: 88-121 '63.

Determining the possibilities of undermining reservoirs according to the degree of the deformation of the layer, distribution, and capacity of water retainers. N. F. Shalaginov. [Trudy] VNIMI no. 47:200-206 '62.

Displacement and deformations of the earth's surface and rocks above a moving face. S. A. Batugin. [Trudy] VNIMI no. 47:159-199 '62.

Displacement of rocks during the use of the shield mining method. E. V Kuniaev, V. M. Shik. [Trudy] VNIMI no. 47:32-40 '62.

Investigation of ore block caving processes V. R Bezukh, A. I Rudenko, M I. Kudriavtsev Sbor. nauch trud KGRI no 23 16-52 '63.

Investigation of the angle β in a one-sided, asymmetric crossjoining of horizontal mine workings A S, Banshtok. Trudy KuzNIIshakhtostroia no. 1:51-62 '63.

Means of calculating the number of active blocks in the state of production A. I Steshenko Sbor nauch trud KGRI no 23:17 '63

Mel'nikov, N. V. [Mining engineering; problems in connection with the expansion of the industry] Gornaia nauka; zadachi v sviazi s razvitiem promyshlennosti. Moskva, Nedra, 1964. 69 p.

Methods of determining the span of chamber like workings. A. Ch. Musin, IU. I. Chabdarova, A. N. Vasil'ev. Trudy Inst. gor. dela AN Kazakh. SSR 12: 61-72 '63.

Methods of studying the process of arch formation I. G Ivanov. Sbor. nauch trud KGRI no 23:78-82 '63.

Recommended methods for working the "Komintern" Mine with less loss and impoverishment of ore V. K. Martynov, I. A. Kucheriavenko. Sbor nauch trud. KGRI no. 10:123-134 '61.

Shape of the outflow of loose materials V R, Bezukh and others Sbor. nauch trud. KGRI no 23,36-39 '63.

Simplification of the calculation of possible indices of the extracting and depletion of ores in caving systems G. M. Malakhov, V. R. Bezukh. Sbor nauch. trud. KGRI no. 10:57-65 '61.

Stress distribution in the roof of a chamber with blocks in various positions. A. N. Vasil'ev. Trudy Inst. gor. dela AN Kazakh. SSR 12:81-87 '63.

Using straight cuts before drilling with a self-propelled drilling rig. M. T. Bakaev, V. I. Gubin, M. S. Sapargaliev. Trudy Inst. gor. dela AN Kazakh. SSR 12:22-29 '63.

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur.: Gor. delo nos. 7-8 Jl-Ag '64.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—COSTS

Methods of planning the optimal size of an excavation dump pile. V. A. Svishchev. Trudy Inst. gor. dela AN Kazakh. SSR 12:56-60 '63.

MINING ENGINEERING—HANDBOOKS, MANUALS, ETC.

Kulichikhin, N. I., ed. [Boring and blasting operations, loading, timbering, mine haulage, ventilation, and drainage; second part of the course "Conducting exploratory operations"] Burovzryvnye raboty, pogruzka, kreplenie, rudnichnyi transport, ventiliatsiia i vodootliv, chast' vtoraia kursa "Provedenie razvedochnykh vyrabotok," [By] N. I. Kulichikhin i dr. Moskva, Izd-vo "Nedra," 1964. 455 p.

MINING ENGINEERING—STANDARDS

Krivoy Rog. Nauchno-issledovatel'skii gornorudnyi institut. [Handbook on the engineering standardization of underground mining operations; mining enterprises of the iron ore industry] Spravochnik po tekhnicheskomu normirovaniiu podzemnykh gornykh rabot; gornye predpriiatiia zhelezorudnoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 294 p.

MINING ENGINEERING—TECHNOLOGICAL INNOVATIONS

[Suggestions and innovators of the Department of Scientific and Technical Information of the All-Union Scientific Research Institute of Mineral Resources] Sbor rats predl. Otd. nauch.-tekh. inform. VIMSa nos. 9-10 '63

MINING INDUSTRY

Fourteenth International Conference of Mining Workers' Trade Unions. A. I. Smirnov. Geod. i kart. no 4:75-76 Ap '64.

MINING INDUSTRY—ACCOUNTING see subdivision under Karaganda Basin

MINING INDUSTRY—FINANCE
(see also subdivision under East Kazakhstan Province)

Economic basis of the efficiency of mining equipment in the evaluation of design solution. A V Druzhinin. Izv. vys ucheb. zav.; gor zhur 7 no. 3:41-47 '64

Economic efficiency of lowering norms for prepared reserves in mining enterprises. N P. Tikhomirova, N D. Lugovaia. [Trudy] VNIMI no. 47:258-263 '62

MINING INDUSTRY—PRODUCTION STANDARDS see subdivision under Monchegorsk (Murmansk Province)

MINING MACHINERY

Improving the technology and labor organization of loading rock and drilling holes in the sinking of vertical shafts E G, Duda, I. N, Popov, N. R. Umnov Trudy KuzNIIshakhtostroia no 1 20-30 '63

Results of the observation of the effect of various diameter boreholes and drillholes on blasting indices. N. T. Nugmanov, K. Kh. Tleuzhanov, M. S. Sapargaliev. Trudy Inst. gor. dela AN Kazakh. SSR 12:151-154 '63.

Rzhevskii, V. V., V. V. Istomin, and V. S. IAmshchikov. [Technology and the overall mechanization of the open pit mining of coal, ore, and rock products] Tekhnologiia i kompleksnaia mekhanizatsiia otkrytoi dobychi uglia, rud i nerudnykh iskopaemykh. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki.
    No. 6. [Dumping operations in open pit mines] Otval'nye raboty na karerakh.
        Pt. 1. [Technological processes] Tekhnologicheskie protsessy, 1963. 151 p.
[MICROFILM]

Selecting efficient cutting speeds for the KMG-2 rock cutting machine as a factor affecting the dustiness of the air. V T Trusin, A D. Aksent'ev Sbor. nauch trud. KGRI no 23,118-121 '63

Transmission from an eccentric; structure, kinematics, and synthesis. A. P. Lapin. Sbor. nauch. trud. KGRI no. 10:248-253 '61.

MINING MACHINERY—ABSTRACTS

[Mining machinery] Ref. zhur.: Gor. mash. no. 8 Ag '64.

MINING MACHINERY—HANDBOOKS, MANUALS, ETC.

[Handbook for using the BPF pneumatic cutter-loaders] Rukovodstvo po ekspluatatsii pnevmaticheskikh kombainov BPF. [By] A. B. Gorenshtein i dr. Moskva, Izd-vo "Energiia," 1964. 183 p.

MINISTERIAL RESPONSIBILITY

The new program of the CPSU and certain problems of developing Soviet democracy in the autonomous republics A. M. Khalilov. Uch. zap. Dal'nevost gos. un. no. 6:39-59 '62.

MINORITIES see subdivision under Kazakhstan

MINSK—RADIO—EQUIPMENT AND SUPPLIES

If you value your honor.... V. Chernoshei. Sov. profsoiuzy 20 no 16.6-7 Ag '64

MINUSINSK BASIN—EROSION

"Soil erosion and its control in regions of the Minusinsk Basin" by N. V Orlovskii and others Reviewed by V I. Nekrasov. Vest. AN SSSR 34 no 6 121-122 Je '64.

MINUSINSK BASIN—JOINTS (GEOLOGY)

Relation of tectonic fracture to relief. G. IA. Gaas. Trudy VNIGRI no. 228:269-274 '64.

MINUSINSK BASIN—PETROLEUM GEOLOGY

Relation of fracture zones to the cyclic nature of the sedimentation; based on a study of the Devonian sediments of the South Minusinsk Basin T V Dorofeeva. Trudy VNIGRI no. 228:34-39 '64.

MINUSINSK BASIN—RHODUSITE

Rhodusite concretions from the South Minusinsk and Dzhezkazgan Depression. A. A. Glagolev, O. B. Belseev. Dokl. AN SSSR 157 no. 4:873-875 Ag '64.

MIRGALIMSAY REGION—MINING ENGINEERING

Advantages of filling cavities on the upper levels of the Mirgalimsay Mine and mining support pillars. R. V. Balakh, I. G. Tarakanov, G. V. Meshzheriakov. Trudy Inst. gor. dela AN Kazakh. SSR 12:3-12 '63.

Effect of the shape of supporting blocks on their bearing capacity in the Mirgalimsay Mine. N. P. Erofeev. Trudy Inst. gor. dela AN Kazakh. SSR 12:73-80 '63.

MIROLIUBOV, GEORGII PAVLOVICH, 1884-1964

Professor G. P. Miroliubov; obituary. Zhur. Mosk. Patr. no. 8:24-26 '64.

MITES see subdivision under Voronezh Preserve

MITOCHONDRIA

Localization and activity of dehydrases in the mitochondria of ellipsoids of the photoreceptors in vertebrates. T. P Lukashevich. Dokl AN SSSR 156 no. 6:1438-1441 Je '64.

Morphologic relation of the mitochondria and the ergastoplasmatic network in the cells of Ehrlich's ascitic carcinoma. V M Mitiushin. Biofizika 9 no 1:58-61 '64

MITRAL VALVE—DISEASES

Calibrated ballistocardiogram in mitral defects. K. P. Butelko. Izv. Sib. otd. AN SSSR no. 8:120-121 '62.

Change in the tracheal bifurcation angle in mitral stenosis; X-ray observations. R. G. Fedorova, [illegible] miakov. Grud. khir. 5 no. 5.15-18 S-O '63.

Open-heart surgical treatment of mitral insufficiency. V. I. Nemchenko. Grud. khir. 5 no. 5.103-109 S-O '63

MITRAL VALVE—RADIOGRAPHY

Study of the effectiveness of the results of mitral commissurotomy. I. Kh. Rabkin, E. A. Grigorian. Vop. rent. i onk. 7 53-62 '63.

MITRAL VALVE—SURGERY

Case of successful surgical treatment of acute intestinal obstruction in thromboembolism of the mesenteric vessels in a patient on the third day after mitral commissurotomy. G. I. TSukerman, A. D. Levant, E. P. [illegible] Grud. khir. 5 no. 5:89-90 S-O '63.

Pathogenesis and clinical aspects of cerebral embolism in mitral commissurotomy. N. K. Bogolepov, [illegible] Kolesnikov, L. O. Badalian. Grud. khir. 5 no. 5:3-9 S-O '63.

Study of the effectiveness of the results of mitral commissurotomy. I. Kh. Rabkin, E. A. Grigorian. Vop. rent. i onk. 7:53-62 '63.

X-ray observations on heart and lung changes following mitral commissurotomy. E. L. Kevesh, A. N. [illegible] Grud. khir. 5 no. 5:9-15 S-O '63.

MIXING MACHINERY

Cyclic mortar mixers. Biul stroi. tekh. 20 no 12 23 [illegible] '63

MNEMONICS

Correlation of speed and durability of retention. Report No. 1. Quantitative analysis of some indices of the speed and durability of retention. S. G. [illegible] Izv. APN no. 129.164-170 '63.

MODULATION (ELECTRONICS)

Anisimov, V. I., and A. P. Golubev. [Transistorized modulators] Tranzistornye moduliatory. Moskva, Izd-vo "Energiia," 1964. 222 p.

Spurious phase modulation in the limiting of AM oscillations. V. I. Grigulevich, V. A. Lobodzinskii. Elektrosviaz' 18 no. 8:73-76 Ag '64.

MÖSSBAUER EFFECT

Mössbauer effect in unsymmetrical organotin compounds with electron-donor substituents. A. IU. Aleksandrov and others. Dokl. AN SSSR 157 no. 4:934-937 Ag '64

MOISTURE—MEASUREMENT

Instrument for measuring moisture content of caramel mass. I. S. Lur'e, S. A. Obruchkov, A. N. [illegible] Khleb. i kond. prom. 8 no. 7.12-16 Jl '64.

MOLASSES

Effect of potassium on the yield and quality of yeast L. D. Belova. Khleb. i kond. prom. 8 no. 7:21-24 Jl '64.

MOLDAVIA—AGRICULTURAL WAGES

Gain is obvious. A. Zabolotnyi. Sov profsoiuzy 20 no. 14.18-20 Jl '64

MOLDAVIA—AGRICULTURE—CONGRESSES

Nauchnaia konferentsiia molodykh uchenykh Moldavii, 3d. [Transactions of the Third Conference of Young Moldavian Scientists] Trudy. Kishinev, "Kartia moldoveniaske."
    No. 2. [Biological and agricultural sciences] Biologicheskie i sel'skokhoziaistvennye nauki. 1964. 273 p.

MOLDAVIA—AGRICULTURE—STUDY AND TEACHING

State farms as technical schools in Moldavia. V. A. Roshchinskaia. Sred. spets. obr. 11 no. 6:9-12 Je '64.

MOLDAVIA—EROSION

Slastikhin, V. V. [Problems in the melioration of slopes in Moldavia] Voprosy melioratsii sklonov Moldavii. Kishinev, "Kartia moldoveniaske," 1964. 211 p.

MOLDAVIA—FRUIT CULTURE

Dwarf fruit trees in Moldavia. D. P. Andriushchenko. Inform. biul. VDNKH no. 8.22 Ag '63.

MOLDAVIA—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Akademiia nauk Moldavskoi SSR. Institut zoologii. [Injurious entomofauna of Moldavia and measures for its control] Vrednaia entomofauna Moldavii i mery bor'by s nei. Kishinev, Kartia moldoveniaske, 1963. 108 p. (DNAL)

Fin. SSSR 38 no. 6:20-24 Je '64.

MOLDAVIAN MUSIC see Music, Moldavian

MOLDING (FOUNDING)

Gilev, V. S., and I. A. Osin. [Molding of small castings] Formovka melkikh otlivok. Pod red. L. M. Volpianskogo. Moskva, Mashgiz, 1964. 37 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika, no. 5)
[MICROFILM]

MOLECULAR BEAMS

Liubitov, IU. N. [Calculating the interaction of molecular flows with the vessels containing them] Raschet vzaimodeistviia molekuliarnykh potokov s ograzhdaiushchimi ikh sosudami. Moskva, Nauka, 1964. 146 p.

MOLECULAR ROTATION

Effect of the rotation of chain molecules on the diffraction image. B. K. Vainshtein. Kristallografiia 8 no. 2:174-180 Mr-Ap '63.

Microwave spectrum and effective rotation constants of CD_3CH_2OH molecules. L. M. Imanov, A. A Abdurakhmanov, R. A. Ragimova. Opt i spektr. 17 no. 2: 306-307 Ag '64

MOLECULAR SPECTRA

Analysis of vibrations of the peptide group. IU. N. Chirgadze. Biofizika 7 no. 5:523-528 '62.

Recent research in nuclear spectroscopy; conference in Tiflis. O. E. Kraft, M. A Listengarten. Vest. AN SSSR 34 no. 6:94-97 Je '64.

MOLECULAR STRUCTURE

Afanas'ev, V. A. [Physical methods of studying the structure of molecules of organic compounds] Fizicheskie metody issledovaniia stroeniia molekul organicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 247 p.

Correlations in liquids. V. A. Zamkov. Ukr. fiz. zhur. 9 no. 4:374-379 Ap '64.

Evidence of molecular symmetry in the spectrum of a crystal. S. M. Kochubei. Opt. i spektr. 17 no. 2: 213-219 Ag '64.

Phosphorescence spectra and vibrational structure of carbazole molecules. V. V. Trusov, P. O. Tepliakov. Ukr. fiz. zhur. 8 no. 9:1008-1012 S '63.

Study of the molecular structure of high-temperature steam based on fast electron scattering. Part 2. N. G. Rambidi, V. P. Spiridonov. Teplofiz. vys temp 2 no. 3 464-473 My-Je '64

MOLECULAR THEORY

Nikitin, E. E. [Modern theories of the thermal disintegration and isomerization of molecules in the gaseous phase] Sovremennye teorii termicheskogo raspada i izomerizatsii molekul v gazovoi faze. Moskva, Izd-vo "Nauka," 1964. 104 p.

MOLECULES

Calculation of the electro-optical parameters and intensities of infrared spectra of type XY_4, XY_3Z, and XY_2Z_2, molecules. I. F. Kovalev. Izv. vys ucheb. zav.; fiz. no. 4:173-179 '64.

Effect of molecular interaction on the compressibility and viscosity of liquids. A. Z. Golik, I. I. Adamenko, P. F. Cholpan. Ukr. fiz. zhur. 9 no. 4:412-419 Ap '64.

Neutron and optical spectra as sources of information on the motion of molecules in liquids. L. I. Komarov, I. Z. Fisher. Ukr. fiz. zhur. 9 no. 4:349-364 Ap '64.

Some properties of binary functions of distribution of a mixture of ions and dipole molecules. I. R. IUkhnovskii, A. A. Nekrot. Ukr. fiz. zhur. 9 no. 4:365-375 Ap '64.

Statistical theory of multicomponent systems. L. A. Roll. Ukr. fiz. zhur. 9 no. 4:354-360 Ap '64.

Substantiation of Jacobson's empirical rule. N. F. Otpushchennikov. Izv. vys. ucheb. zav.; fiz. no. 4:192-194 '64.

MOLECULES—VIBRATION

Structures of shock waves in the air allowing for the kinetics of chemical reactions and the excitation of molecular vibrations of nitrogen. S. I. Anisimov, N. M. Kuznetsov, E. F. Nogotov Teplofiz. vys temp. 2 no. 3: 337-343 My-Je '64.

MOLLUSKS, FOSSIL

(see also subdivision under Turkmenistan; Ural Mountain region)

Andrusov, N. I. [Selected works] Izbrannye trudy. Moskva, Nauka.
Vol. 3. 1964. 634 p. illus.

Vozin, V. F., and V. V. Tikhomirova. [Field atlas of [illegible] bivalved and ce[illegible] mollusks [illegible] northeastern part of the U.S.S.R.] Polevoi atlas dvukhstvo[illegible] SSSR. Moskva, Nauka, 1964. 135 p. illus.

MOLTEN METALS see Liquid metals

'63.

Isolation of molybdenum compounds from strong acid solutions containing iron and calcium. G. M. Airapetian Izv. AN Arm. SSR. Khim. nauki 16 no. 6 581-587 '63.

MOLYBDENITE

Isomorphism between molybdenum and rhenium in molybdenites A. S. Faramazian, E Kh Khurshudian. Dokl. AN Arm. SSR 37 no 4:211-216 '63.

MOLYBDENUM

Movement of dislocations in a deformed molybdenum crystal IU I Demkin Fiz met i metalloved 17 no 5 768-769 My '64

MOLYBDENUM—ANALYSIS

Determination of tungsten and molybdenum present together. A. F. Nemirovskaia, L. N. Keremedzhidi, N. I. IAshina. Trudy NPI 143:55-62 '63.

Extraction-photometric determination of molybdenum with tiron. A. I. Busev, G P. Rudzit. Zhur. anal. khim 19 no. 5:569-583 '64.

Reaction of molybdenum with 8-mercaptoquinoline. Report No. 1. N. A. Agrinskaia, V. I. Petrashen'. Trudy NPI 143,27-34 '63.

Reaction of molybdenum with toluene-3, 4-dithiol. Report No. 1. N. A. Agrinskaia, V. I. Petrashen'. Trudy NPI 143:35-44 '63.

Study of the catalytic reaction for the purpose of its use in determining the microamounts of molybdenum. L. G. Anokhina, IU. A. Sopin, N. A. Agrinskaia. Trudy NPI 143:63-72 '63.

Use of organic reagents for gravimetric and volumetric determination of molybdenum; a bibliographic survey. E. V. Ankudimova. Trudy NPI 143,17-25 '63.

Use of scattered radiation in the X-ray spectrum analysis of molybdenum. P. A. Verkhovodov, L S. Gorbatenko. Zav. lab 30 no. 6:691-694 '64

MOLYBDENUM—ELECTRIC PROPERTIES

Temperature dependence of the electric resistance of a single crystal of molybdenum. N. V Volkenshtein and others. Fiz. met. i metalloved. 17 no. 4:627-629 Ap '64.

MOLYBDENUM—TOXICOLOGY

Molybdenum as a trace element fertilizer and its toxicity in livestock feeds I. A. Burkin Agrokhimiia no. 1,123-126 Ja '64

MOLYBDENUM-BERYLLIUM ALLOYS—METALLOGRAPHY

Reactive diffusion in the system molybdenum - beryllium. N. N. Matiushenko. Izv. AN SSSR. Met. i gor. delo no. 2, 167-171 Mr-Ap '64.

MOLYBDENUM CARBIDES

Remarks on experimental data from the study of the thermodynamics of Mo_2C and WC. V. I. Alekseev, L. A. Shvartsman. Izv. AN SSSR. Met. i gor. delo no. 2:180-185 Mr-Ap '64.

MOLYBDENUM COMPOUNDS

Our practice in using molybdenum disulfide lubricant A. S. Steshin Mashinostroitel' no. 6:36 Je '64

MOLYBDENUM-NICKEL ALLOYS see Nickel-molybdenum alloys

MOLYBDENUM-NIOBIUM-CHROMIUM ALLOYS see Niobium-molybdenum-chromium alloys

MOLYBDENUM OXIDES

Study of the system $NH_4F - MoO_3 - H_2O$ A. A Opalovskii, Z. M. Kuznetsova, S. S Batsanov. Izv Sib. otd. AN SSSR no. 9:46-53 '62.

MOLYBDENUM-TUNGSTEN ALLOYS

Corrosion resistance of solid solutions of metals of the system Mo - W. N. N. Grateianskii, N. A. Bogacheva. Zhur. fiz. khim. 36 no. 3:546-548 Mr '62.

Studying the diffusion of the components of a molybdenum-tungsten alloy over a wide temperature range. I. M. Frantsevych and others. Ukr. fiz. zhur. 8 no. 9:1020-1025 S '63.

MOLYBDENUM-TUNGSTEN ALLOYS—ELECTRIC PROPERTIES

Investigating the state of the atoms of molybdenum and tungsten in their binary alloys. I. M. Frantsevych and others. Dop. AN URSR no. 8:1060-1063 '64

MONASTICISM AND RELIGIOUS ORDERS, ORTHODOX EASTERN see subdivision under Palestine

MONCHEGORSK (MURMANSK PROVINCE)—MINING INDUSTRY—PRODUCTION STANDARDS

Work norms and the standards of conscience. M. Matlin. Sov. profsoiuzy 20 no 14:38 Jl '64.

MONCHEGORSK REGION (MURMANSK PROVINCE)—ROCKS—MAGNETIC PROPERTIES

Studying the magnetic properties of rocks in the Monchegorsk region. S. S. Shkobatov, G. I. Sveshnikova, A. P. Perfilova. Vest. LGU 19 no. 12:23-31 '64.

anat., gist. i embr. 43 no. 8:99-100 Ag '62.

MONGOLIA—ECONOMIC CONDITIONS

On the path to a total victory of socialism V. Kadyshev Vnesh. torg. 44 no. 7 24-27 '64.

MONGOLIA—EDUCATION

Mongolian school on a new path A. Amush Nar obr no 8 103-109 Ag '64

MONGOLIA—INSCRIPTIONS, TURKIC

The language of the inscription on the monument of Kutlug-kagan of the eighth century. G. Aidarov. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6 81-88 '64.

MONILIASIS

TSinzerling, A. V. [Candidiasis of the lungs; pathological anatomy and pathogenesis] Kandidoz legkikh; patologicheskaia anatomiia i patogenez. [Leningrad] Meditsina, 1964. 154 p.
(DNLM)

MONKEYS—ANATOMY

Post central and upper parietal areas of the cerebral cortex in arboreal monkeys. T. I. Belova. Arkh. anat., gist. i embr. 43 no. 8:11-28 Ag '62.

MONKEYS—PHYSIOLOGY

Intestinal secretion in monkeys. Z. N. Dzhelieva. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:18-21 O '63.

MONOMYCIN

Effectiveness of monomycin in calf diseases. A B Botakhchian, B. A. Akunts, M. S. Arevshatian. Izv. AN Arm. SSR. Biol. nauki 17 no 2,63-67 F '64.

MONOPOLIES

International cartels today. T. Belous. Mir. ekon i mezhdunar. otn. no. 8,85-95 '64.

MOON

Evaluating the region of the existence of a periodic Hill's solution of the problem of the moon's motion IU A Riabov Biul Inst teor astron 8 no 10 772-786 '62

Nonhomogeneity of the properties of the lunar surface layer with depth and on the surface. V. S. Troitskii. Astron. zhur. 41 no. 4:724-732 Jl-Ag '64.

Sharonov, V. V. [The Moon is the first station on the way to space] Luna - pervaia stantsiia na puti v kosmos. Moskva, Voenizdat, 1964 97 p. (Nauchno-populiarnaia biblioteka)

MOON—MAPS

Klepešta, Josef, and Ladislav J. Lukeš. [Map of the moon] Karta Luny. Prague, TSentral'noe upr. geodezii i kartografii, 1959. 41 p. maps. (in pocket)

MOON—TEMPERATURE AND RADIATION

Radiation coefficients in the infrared spectral region and differences in the $\gamma = (kpc)^{1/2}$ for the seas and continents of the lunar surface. M. N. Markov, V. L. Khokhlova. Dokl. AN SSSR 157 no 4:826-829 Ag '64.

MOOSE see subdivision under Pechoro-Ilych Preserve

MORAINES see subdivision under Lithuania

MORAL EDUCATION

Personality needs and their training. D. F. Nikolenko. Rad. shk. 42 no. 4:45-53 Ap '64.

MORALE

Stand level with heroes P Smirnov. Starsh.-serzh. no. 7:12 Jl '64.

MORDOVIA—AGRICULTURE

Danilov, G. G. [From the history of agriculture in Mordovia] Iz istorii zemledeliia Mordovii. Saransk, Mordovskoe knizhnoe izd-vo, 1964. 110 p.

MORDOVIA—FERTILIZERS AND MANURES

Use of phosphate meal. A. M. Klochkov. Zemledelie 26 no. 6:31-33 Je '64.

MORDVINIAN A. S. S. R. see Mordovia

MORPHINE

Effect of morphine on the secretory and motor functions of the stomach in human beings A. P. Peleshchuk. Fiziol. zhur. [Ukr.] 9 no. 6:765-774 N-D '63.

Effect of tofranil on the action of hexenal, chloral hydrate and morphine in mice. I. P Lapin. Farm. i toks. 26 no. 5:564-568 S-O '63.

Emetic effect of apomorphine, morphine and aconitine in various types of administration. L. L. Grechishkin, V. E. Ryzhenkov. Farm. i toks. 26 no. 5:578-584 S-O '63.

Morphine substitutes. A. M. Turkevych. Farmatsev. zhur. 16 no 1:3-8 '61.

MORPHOLOGY

Morphological changes at the tuberculin reaction site in vaccinated and nonvaccinated animals. M. IA. Diiukanova. Probl. tub. 42 no. 1:80-85 '64.

MORPHOLOGY—PERIODICALS

Czechoslovakian morphological journal "Československá morfologie" for 1962. V.S Pevazov. Arkh.anat., gist. i embr. 45 no.12 63-73 D '63.

MORPHOLOGY (ANIMALS)

Review of I I [illegible]'s book "Essays on the history of [illegible] Darwin development of [illegible] zoology." [illegible] Zool. zhur. 43 no 4 623-626 '64

MORTAR

Using polymers in mortars and concretes N P Il'ina [illegible] 16 105-107 '62

MORTARS (ORDNANCE)

Mortar platoon in an attack N Grigor'ev. Voen.vest. 43 no 4:38-41 Ap '64

MOSCOW—ACTORS

Desired guests O Shashkina, S.Krukhmalev Sov voin 46 no 3 33 My '64

MOSCOW—AGRICULTURAL COLLEGES

Kliment Arkad'evich Timiriazev in the Petrovskaia Academy (1870-189-) V G Khrzhanovskii Izv TSKHA no 6 1--4 '63

MOSCOW—AMATEUR THEATRICALS

Before a genuine premiere I Romaneeva. Teatr 24 no 8 111-112 Ag '63

Of this world V. Berezkin. Teatr 24 no.8:112-113 Ag '63

MOSCOW—ARMENIAN STUDIES

From the history of the Lazarev Institute. A.P.Baziiants Izv.AN Arm.SSR Obshchestv nauki no 2 13-19 F '64.

MOSCOW—AUTOMOBILE INDUSTRY

Lamasov, A. A., and E. I. Ostrov. [Casting gray cast iron parts for motor vehicles, practice of the Likhachev Automobile Plant] Proizvodstvo avtomobil'nykh otlivok iz serogo chuguna, iz opyta ZILa. Moskva, Izd-vo "Mashinostroenie," 1964. 143 p.

MOSCOW—BRIDGES, CONCRETE

Production of keramzit concrete beams of bridge seats O B Joshtein Transp stroi 13 no 10 33-37 O '63

MOSCOW—BUILDING MATERIALS

Use of new structural elements and materials in Moscow constructions. O S.Ivanova. Biul.stroi.tekh 20 no 7:46-48 Jl '63

MOSCOW—CHAMBER MUSIC

At a creative evening M Nest'eva Sov muz. 28 no.1 87-88 Ja '64

MOSCOW—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Plant begins with a design V Alekseev, S.Naumov Sov profsoiuzy 20 no 14 21-23 Jl '64

MOSCOW—CHORAL SOCIETIES

"Dumka " K Ptitsa Sov muz 28 no 1 85-86 Ja '64

MOSCOW—COKING PLANTS

Coking of Urgal coals at the Moscow Coal and Gas Plant. V.V.Opritov. Trudy DVFAN SSSR Ser khim. no 6: 34-38 '62.

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—*PARTY WORK*

Considering the character of party organizations. L Bakhmetkov. Part.zhizn' no.12:35-39 Je '64.

For the unity of theory and *practice*. *S.Kolomin*. Part.zhizn' no.12:39-42 Je '64.

MOSCOW—COMRADES COURTS

Always searching IU.Arutiunian Sots.zakon. 41 no 4:35-36 Ap '64.

MOSCOW—CONCERTS

Verdi's 'Requiem " R Evgen'ev Sov.muz 28 no 1:86-87 Ja '64.

MOSCOW—CONSTRUCTION EQUIPMENT

Use of new structural elements and materials in Moscow *constructions*. *O.S.Ivanova*. Biul.stroi tekh. 20 no.7:46-48 Jl '63.

MOSCOW—CRIME AND CRIMINALS

The immediate environment of an offender requires deeper study A IAkovlev Sov iust 21 no 7:19-*20 Ap '64*

MOSCOW—DANCING

Ceylonese ballet L Talankina. *Sov muz 28 no. 1:84-85* Ja '64

MOSCOW—ELECTRIC INDUSTRY WORKERS

Work and living conditions are inseparable. V *Fridman*. Sov profsoiuzy 20 no 14 14-15 Jl '64.

MOSCOW—ELECTRIC LAMPS

Tasks and directions of economics laboratory work in enterprises A Kaz'min, A Rutenberg. Plan.khoz. *41 no 8 72-76 Ag '64*

MOSCOW—ENSEMBLES (MUSIC), MACEDONIAN

Yugoslav dancers. Sov.muz 26 no.1 93-94 Ja '64

MOSCOW—EXHIBITIONS

Achievements of Soviet metallurgy V. S. Ziabkin. Inform.biul VDNKH no 2 1 F '64

Agriculture. Inform biul VDNKH no 2:35-36 F '64.

Agriculture. Inform.biul VDNKH no 8 41-43 Ag '63.

Atomic energy for peace purposes V P Golubkov Inform biul VDNKH no 8:35-37 Ag '63.

Awards for outstanding exhibits. *Inform* biul. VDNKH no 8 44 *Ag* '63

Building *Inform*.biul VDNKH no 2:35 F '64

Building *Inform* biul VDNKH no 8.41 Ag '63

The coal industry at the Exhibition of the Achievements of the National Economy of the U S S R, in 1964. S.A. Novikov Ugol' *39* no.5:77-78 *My* '64

Exhibition and display of *special* items A. N.Komissarova Inform.biul VDNKH *no* 2 30-31 F '64

Exhibition of Danish electronic measuring instruments. I. V Shirochenskaia Izm tekh. no. 3:55-56 Mr '64

Exhibition of special items is still open Inform.biul. VDNKH *no* 2 14 F '64

Exhibitions and displays of special items Inform.biul VDNKH no. 8.11-12 Ag '63

Exhibitions and displays of special items Inform.biul. VDNKH no. 8:22-33 Ag '63

Exhibitions and displays of special items are still open. *Inform* biul.VDNKH no 2 31 F '64.

Exhibitions in Moscow. Vnesh torg. 44 no 7:46-47 '64.

Exhibitions of special items Inform.biul.VDNKH *no.* 8, 16-18 Ag '63.

Exhibitions of special items are still open. Inform biul VDNKH no 2:20-21 F '64

How we grow peas A. Khomenko. Inform.biul VDNKH no.2 6-8 F '64

In the committee of the Council of Exhibition Inform. biul VDNKH no 2 31 F '64.

In the pavilion "Public health and medical industry." D.K. Andreev. Inform biul. VDNKH no. 8 37-38 Ag '63.

Industry and transportation Inform biul VDNKH no. 2: 35 F '64

Industry and transportation. *Inform*.biul VDNKH no. 8: 40-41 Ag '63

Lectures of innovators and scientists Inform.biul VDNKH no 2:37-39 F '64

Lectures of innovators and scientists. Inform.biul *VDNKH no. 8 44-46* Ag '63.

Melik-Akhnazarov, KH. IU. [The Azerbaijan S. S. R. *at the Exhibition* of the Achievements of the National Economy of the U. S S. R.] *Azerbaidzhanskaia SSR* na VDNKh SSSR. Baku, Azerbaidzhanskoe gos. izd-vo, 1960. 83 p.

[MICROFILM]

"Metallurgiia" pavilion at the Exhibition of the Achievements of the National Economy *of the U. S S. R A Bolarshinov* Metallurg 9 no 5 1-2 My '64.

Modern commercial equipment for rural department stores and specialized shops *Inform*. biul. *VDNKH no*. 8:38 Ag '63.

New exhibits. Inform.biul. VDNKH no. 8:12-13 Ag '63.

New topical exhibits at the Exhibition of Achievements of the National Economy of the U. S S. R. V. N. Borovitskii, V N. Chumachenko. Elek.sta 35 no 5: *95 My '64*.

Pavilions of the Academy *of Sciences of the U. S. S. R.* at the Exhibition of Achievements of the National Economy of the U. S. S. R. in *1964 V. A Krasnov* Inform biul. VDNKH no. 2:2-4 F '64.

School of advanced experience. Inform.biul. VDNKH no. 8,1-2 Ag. '63.

Stockbreeding at the Exhibition of *Achievements of the* National Economy of the U. S. S. R. in 1964. A. D. Nefedov Inform.biul VDNKH no. 2 1-2 F '64

Triumph of Lenin's ideas about the elect*rification of* the country. IA. N Popolov Inform.biul. VDNKH no 8:3-5 Ag. '63.

MOSCOW—FACADES

Using vinyl-perchloride paints in the repair *facades of* Moscow buildings. N.P.Il'ina, A V.Ivanova. Sbor nauch rab AKKH *no. 16.70-73 '62*.

MOSCOW—FOOD INDUSTRY

Moscow [illegible]

[illegible] he

[MICROFILM]

MOSCOW—GANGS

The immediate environment of an offender requires deeper study A.IAkovlev Sov. iust. 20 no. 7:19-20 Ap '64

MOSCOW—GUIDEBOOKS

Slovenly book Sergei L'vov. Nov mir 39 no. 12 257-270 D '63.

MOSCOW—JUDGES

Always searching. IU. Arutiunian *Sots. zakon* 41 no. 4:35-36 Ap '64

MOSCOW—LATITUDE VARIATION

Variations of the latitude of Moscow during the International Geophysical Year and International Geophysical Cooperation by observations with the Moscow zenith telescope. IU. I. Prodan. Soob.GAISH no. 131:3 [illegible] '64.

MOSCOW—LAW—STUDY AND TEACHING

Activist groups of party-state control need to know the law. *IU. Kozlov. Sots. zakon.* 41 no. 4:61-62 Ap '64.

MOSCOW—MACHINERY INDUSTRY—HYGIENIC *ASPECTS*

Beauty of life. D. Liubimov. Okhr. truda i sots. strakh. 7 no. 5:20-21 '64.

MOSCOW—METALLURGICAL PLANTS

Fellow from the "Hammer and Sickle," Mikhail Skorokhodov. Sov.voin 46 no.9:42-43 My '64.

MOSCOW—MOTION-PICTURE FESTIVALS

Between truth and falsehood. A. Karaganov Nov. mir 39 no. 12 215-232 D '63

MOSCOW—OLD-AGE HOMES

The council must work. N. Karaseva. Sots. obesp. 24 no 12:38-40 D '63.

MOSCOW—OPERA

Reflections after a premiere. K. Sakva. Sov. muz 28 no. 2:69-77 F '64

MOSCOW—PHARMACOLOGY

Moscow Pharmacological Society. Z. I. Samoilova Farm. i toks. 26 no.2:250-251 Mr-Ap '63.

MOSCOW—PLANT INTRODUCTION

Characteristics of the development of desert ephemerals in Moscow. E. N Volkova. Trudy Inst. bot AN [illegible] SSR 4:97-126 '59.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. isp. kom. Mosk. gor. sov. nos. 12-15 Je-Ag '64

MOSCOW—PROSTHESIS

Our friends are coming to us. P. Semidetova Sots. obesp 24 no 12:46-48 D '63

MOSCOW—RAILROADS—EARTHWORK

Always on the road. V P. Karpliak, A. A. Korchin Transp. stroi. 14 no. 1.35-36 Ja '64.

Without wasting time M. P. Tikhonov Transp stroi 14 no 1:36 Ja '64.

MOSCOW—RAILROADS—STATIONS

Concreting domes and shell by wet guniting. M IA [illegible] tor, S. A. Voitovich Transp. stroi. 14 no. 1.31-33 Ja '64.

MOSCOW—RUBBER INDUSTRY—FINANCE

Method for analyzing the administrative and financial operations of enterprises manufacturing tires and industrial rubber goods. I. Akodis. Fin SSSR 38 no. 6:67-73 Je '64.

MOSCOW—RUSSIAN DRAMA—STUDY AND TEACHING

It is 50 years old today. Teatr 24 no. 12:60-61 D '63

MOSCOW—SANITATION

Third Scientific and Practical Conference of Moscow City Sanitary and Epidemiological Station for Problems of Parasitology. B.A.Danilovich. Med.paraz. i parazit. bol. 32 no.4:506-508 Jl-Ag '63.

MOSCOW—SHADOW PANTOMIMES AND PLAYS

Moscow Shadow Theater. Teatr 24 no. 12:64-66 D *'63*.

MOSCOW—STREETCARS

That is called creative activity. A. Pudalov. NTO 6 no. 6:32-34 *Je '64*.

MOSCOW—TECHNICAL EDUCATION

Establishment of programs for popular universities of technical progress. N. Liagushev. NTO 6 no 5:53-54 My '64.

MOSCOW—TECHNOLOGICAL INNOVATIONS

[Innovators suggest] Novatory sovetuiut. [Moskva] Mosk. rabochii, 1964. 150 p.

When such an activity... M. Chubarov, S. Chumakov. NTO 6 no. 6:35-37 Je '64.

TIONS

Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR [Science, 1961; through the Exhibition pavilions] Nauka, god 1961; po pavil'onam Vystavki. Moskva, 1961. 65 p.
[MICROFILM]

MOSCOW—TELEPHONE DIRECTORIES

Russia (1923- U. S. S. R.) Ministerstvo sviazi. [Short telephone directory] Kratkii telefonnyi spravochnik. [Moskva] Izd. Mosk. gor. telefonnoi seti, 1964. 385 p.

MOSCOW—TEXTILE INDUSTRY

The factory lights go out at night. L. Arnautov, IA. Karpov. Sov profsoiuzy 20 no 15 6-9 Ag '64

MOSCOW—THEATER

It is unfortunate for the children. I. Vasilinina. Teatr 24 no. 12:12-13 D '63.

The old and the new "Turandot" at the Vakhtangov. A. Matskin. Teatr 24 no. 12:4-11 D '63

Road to Chapeko. E. Rakitina. Teatr 24 no. 12:13-16 D '63

Three performances of an Italian troup. V. Gaevskii. Teatr 24 no. 8:120-136 Ag '63

When one recalls school. K. Shcherbakov. Teatr 24 no. 8:14-16 Ag '63.

MOSCOW—THEOLOGICAL SEMINARIES

Defense of a dissertation for the master's degree at the Moscow Theological Academy. V. Rozhkov. Zhur Mosk. Patr. no. 7:19-22 '64.

A memorable day at the Moscow Theological Academy and Seminary. A Ostapov. Zhur Mosk. Patr no 8:16-20 '64.

Message from His Holiness Patriarch Aleksii to Moscow theological schools on the occasion of their 20th anniversary. Zhur Mosk Patr no. 8 4 '64.

MOSCOW—TIRES, RUBBER

Potentials for reducing tire industry production costs A. Trusov. Plan khoz. 41 no. 8:55-59 Ag '64

MOSCOW—TUNNELING

Shield tunneling in sandy soils. V. P. Samoilov. Transp. stroi. 13 no. 10.59-60 O '63.

MOSCOW—WALL NEWSPAPERS

Aid for the lower press. K. Lutovinova. Part. zhizn' no. 12:71-72 Je '64.

MOSCOW—WIND QUINTETS

Estonian quintet. IU. Usov. Sov. muz. 28 no. 1:90 Ja '63.

MOSCOW, BATTLE OF, 1941-1942

Moscow. Institut istorii partii. [For Moscow, for my country!] Za Moskvu, Za Rodinu! [Moskva] Mosk. rabochii, 1964. 350 p.

MOSCOW BASIN—COAL MINES AND MINING

Nature of the phenomena of heaving in clay rocks in Moscow Basin mines. V. D. Lomtadze. Zap. LGI 48 no. 1:12-21 '63.

MOSCOW PROVINCE—AEROTHERAPY

Changes in skin temperature and infrared radiation of the bodies of children during air-light baths under the climatic conditions of the Moscow area. V. G. Kochankov. Vop. kur., fizioter. i lech. fiz. kul't no. 6: 488-497 '63.

MOSCOW PROVINCE—CAMPS

A forest tale; a photo report. Sov. profsoiuzy 20 no. 16: 24-25 Ag '64.

MOSCOW PROVINCE—CHEMICAL INDUSTRIES

[Today and tomorrow of Moscow chemistry] Segodnia i zavtra moskovskoi khimii. [Moskva] Moskovskii rabochii, 1964. 78 p. (V pomoshch' agitatory i propagandisty)

MOSCOW PROVINCE—CHILDREN'S CLUBS

In the school clubs of Moscow region. S. Zenenko. Nar. obr. no. 8,58-62 Ag '64

MOSCOW PROVINCE—GYNECOLOGY

Minutes of the Scientific Society of Oncologists of the City of Moscow and Moscow Province joined with the Society of Gynecologists for meeting No. 84 on May 8, 1963. E. Pogosiants, I. Valueva. Vop. onk. 10 no. 3: 120-121 '64.

MOSCOW PROVINCE—LABOR REST HOMES

To have a good rest means to benefit from it. V. Gordanenikov. Okhr. truda i sots. strakh. 7 no. 5:30 '64.

MOSCOW PROVINCE—MOTORBUS DRIVERS

Two routes. I. Smirnov. Agitator no. 10:27-30 My '64.

MOSCOW PROVINCE—ONCOLOGICAL SOCIETIES

Minutes of the Scientific Society of Oncologists of the City of Moscow and Moscow Province joined with the Society of Gynecologists for meeting No. 84 on May 8, 1963. E. Pogosiants, I. Valueva. Vop. onk. 10 no. 3: 120-121 '64.

Moscow and Moscow Province for meeting No. 75, on June 28, 1962. L. M. Shabad. Vop. onk. 9 no. 6:129-131 '63.

MOSCOW PROVINCE—PODZOL

Studying moisture conditions and physical characteristics of heavy-textured turf-Podzolic soils. F. R Zaidel'man, V G. Vinogradov. Pochvovedenie no 7:80-93 Jl '64.

MOSCOW PROVINCE—POTATOES—DISEASES AND PESTS

Sukhov, K. S. [Virus diseases of early potatoes in Moscow Province and their control] Virusnye bolezni rannego kartofelia v Moskovskoi oblasti i bor'ba s nimi. Moskva, Izd-vo "Nauka," 1964. 76 p.
(DNAL)

MOSCOW PROVINCE—RAILROADS

On the Great Ring of the Moscow Railroad. V. P. Kozlov. Transp. stroi. 13 no. 10 4-6 O '63.

MOSCOW PROVINCE—RURAL LIBRARIES

Friendly hand N. Vereshchagin Bibliotekar' no. 7:14-16 Jl '64

MOSCOW PROVINCE—RURAL SCHOOLS

What a rural school for adults should be like? I. I. Ovsiannikov. Vech. sred. shkola 7 no. 2:12-15 Mr-Ap '64.

MOSCOW REGION—ELECTRIC POWER DISTRIBUTION

Study of internal overvoltages in a 500 kv. network of the Moscow Regional Power System Administration. Elek. sta. 35 no 5 67-71 My '64.

MOSCOW REGION—FIELD EXPERIMENTS

Results of 50 years' field experiments of the Timiriazev Agricultural Academy Izv. TSKHA no 6:29 '63.

MOSCOW REGION—FORESTRY RESEARCH

The most important work results of the Forest Experimental Tract of the Academy during the past 100 years. V. P. Timofeev. Izv. TSKHA no. 6:169-190 '63.

MOSCOW REGION—GARDEN PESTS

Ecologic characteristics of the development of the rose leaf roller Cacoecia rosana L. (Lepidoptera, Tortricidae) in the gardens of the Moscow region. E. M Markelova. Ent oboz. 42 no. 4:730-735 '63.

MOSCOW REGION—LEAF ROLLERS

Ecologic characteristics of the development of the rose leaf roller Cacoecia rosana L. (Lepidoptera, Tortricidae) in the gardens of the Moscow region F. M Markelova. Ent. oboz. 42 no. 4:730-735 '63.

MOSCOW REGION—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

[Technological progress in textile enterprises] Tekhnicheskii progress na tekstil'nykh predpriiatiiakh. [Moskva] Mosk. rabochii, 1964. 137 p.

MOSCOW REGION IN LITERATURE

Moscow (Province) Oblastnaia biblioteka. [The Moscow environs in the works of Soviet writers] Podmoskov'e v proizvedeniiakh sovetskikh pisatelei. Moskva, 1962. 11 p.
[MICROFILM]

MOSQUITOES see subdivision under White Russia

MOSSES see subdivision under White Russia

MOTHS see subdivision under Leningrad Province

MOTION

Contradiction in mechanical motion explained. B. A. Dragun. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1: 110-117 '64.

Contradiction in mechanical motion reflected in concepts. S. P. Dudel'. Vop. filos. 18 no. 7:26-37 '64.

Ignatsius, G. I. [Motion and rest in nature] Dvizhenie i pokoi v prirode. Moskva, Izd-vo "Znanie," 1964. 92 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, no. 7)

Motion stability of a heavy body of revolution on a horizontal plane. I. M. Mindlin. Inzh. zhur. 4 no. 2:225-230 '64.

On a certain kind of steady motion in hydrodynamics. IU. B. Ponomarenko. Prikl. mat. i mekh. 28 no. 4:688-698 Jl-Ag '64.

Stability of dissipative systems. S. IA. Stepanov. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 4:59-68 Jl-Ag '64.

Subjective and objective contradictions present in motion. I. S. Narskii. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:118-125 '64.

MOTION-PICTURE CAMERAS

Modernization of the focussing magnifier lens in the "IKSN" motion-picture camera. Electric drive for the "Lenar" type zoom lens. V. IA. Matrenkin. Tekh. kino i telev. 8 no7:67-68 Jl '64.

MOTION-PICTURE CARTOONS

Wonderful things around us. Teatr 24 no. 8:88-90 Ag '63.

MOTION-PICTURE FESTIVALS see subdivision under Karlovy Vary, Czechoslovakia; Moscow

MOTION-PICTURE JOURNALISM, MILITARY

The film journal strides through the country. A Akishin. Sov. voin 46 no. 9 46 My '64.

MOTION-PICTURE PHOTOGRAPHY

Characteristics of the use of LN-5 type films for outdoor and studio filming (from the experience of filming the "Meeting at the river passage" motion picture). S. A. Sheinin, L I. Arkhipov, G. I Fabrikant. Tekh kino i telev. 8 no. 7 1-6 Jl '64

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur. Fotokinotekh no. 8 Ag '64

Romanin, V. A. [Photographic and cinematographic merchandise] Fotokinotovary. Moskva, Ekonomika, 1964 200 p

Use of polymer-monomer compositions from polychlorovinyl acrylate in motion-picture equipment. O K Koshevoi, R A Levi. Tekh kino i telev. 8 no. 7 22-31 Jl '64.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Manufacture of black-and-white film prints and its photographic control L P Krylov, L. M Greidinger. Tekh kino i telev. 8 no 7 7-12 Jl '64

Shmyrev, V. I. [Motion-picture film and motion-picture projection equipment] Kinofil'm i kinoproektsionnaia apparatura. Izd. 4., perer. i dop Pod red. S. M Provornova. Moskva, Izd-vo "Iskusstvo," 1964. 535 p.

MOTION-PICTURE PROJECTORS

Shmyrev, V. I [Motion-picture film and motion-picture projection equipment] Kinofil'm i kinoproektsionnaia apparatura. Izd. 4 , perer. i dop. Pod red. S M. Provornova Moskva, Izd-vo "Iskusstvo," 1964 535 p

MOTION PICTURES

Development and improvement of 16 mm and 8 mm film motion pictures Tekh. kino i telev 8 no. 7 91 Jl '64

Eisenshtein, S. M. [Selected works in six volumes] Izbrannye proizvedeniia v shesti tomakh. Moskva, Iskusstvo.
Vol. 2. 1964. 564 p.

In the State Committee of Motion Pictures. Tekh kino i telev. 8 no. 7.92 Jl '64.

The profession is an art. M. Turovskaia Nov. mir. 39 no. 12:246-248 D '63.

MOTION PICTURES—ABSTRACTS

Abstracts Tekh. kino i telev. 8 no. 7:81-90 Jl '64.

MOTION PICTURES, AMERICAN

Motion pictures which alarm Great Britain. O. Orestov Nov. vrem. 22 no 35:26-27 Ag '64.

MOTION PICTURES, DOCUMENTARY

(see also subdivision under Germany, East, Kuybyshev)

Tasks of documentary cinematography. Tekh. kino i telev. 8 no. 7:92-93 Jl '64

MOTION PICTURES, POLISH

Polish films. T. Chmielewski. Nov. vrem. 22 no. 34: 18 Ag '64.

MOTION PICTURES, TALKING—EDITING

Editing of a magnetic tape original without cutting IA. L. Butovskii, I. V. Vigdorchik. Tekh kino i telev. 8 no. 7.42-44 Jl '64.

MOTION PICTURES IN AGRICULTURE

Chemistry on the screen. I. Semenikhin. Part. zhizn' no. 12:48-49 Je '64.

MOTION PICTURES IN COMMUNIST EDUCATION

Motion pictures in aid of propagandists. P. Moskovskii. Agitator no. 10:31-33 My '64.

MOTION PICTURES IN EDUCATION

Every school should have its own motion-picture theater. L. V. Chashko. Rad. shk. 42 no. 4:24-30 Ap '64.

MOTION PICTURES IN MEDICINE

Cineroentgenography in urology. A. S. Portnoi, IU. A. Pytel'. Urologiia no. 1:62-71 '64.

MOTION PICTURES IN SCIENCE

Use of high-speed motion-picture photography in studying the growth of bubbles in saturated water boiling in a wide range of pressure variation. D. A Labuntsov and others Teplofiz vys. temp 2 no. 3 446-453 My-Je '64

MOTOR VEHICLE DRIVERS

Labor contract with motor vehicle drivers. L. Koniakhin Sov. profsoiuzy 20 no 16:42 Ag '64

MOTOR VEHICLES
Steblev, N. M., and V. A. Bytsko. [Motor vehicles, manual for motor-vehicle drivers working in lumbering] Avtomobil', posobie dlia shoferov, rabotaiushchikh v lesnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 463 p.

MOTOR VEHICLES—BIBLIOGRAPHY see Bibliography—Motor vehicles

MOTOR VEHICLES—DYNAMICS
Barlanov, V. A. [Dynamics of a motor vehicle] Dinamichnost' avtomobilia. Izd. 2. Moskva, Transport, 1964. 93 p. (Nauchno-populiarnaia biblioteka avtomobilista)

MOTOR VEHICLES—ENGINES
Engine with a precombustion chamber in search for a [illegible] Izobr i rats no 5 29 '64

MOTOR VEHICLES—LUBRICATION
Chebrygin, L. G. [Handbook for the greaser of motor vehicles] Posobie smazchiku avtomobilei. Izd. 2., isp. i dop. Moskva, Izd-vo "Transport," 1964. 78 p.

MOTOR VEHICLES—TIRES
Naidin, K. A. [Long service for a tire] Shine - dolguiu sluzhbu [Omsk] Omskoe knizhnoe izd-vo, 1962. 78 p.

MOTORBOAT RACING
Key to high speeds. A. Levin. Voen. znan. 40 no. 7: 42-43 Jl '64.

MOTORBUS DRIVERS see subdivision under Moscow Province

MOTORBUSES
Smushkevich, G. K., and S. S. Shefer. [RAF-977 "Latviia" minibus, its design and maintenance] Mikroavtobus RAF-977 "Latviia," ustroistvo i obsluzhivanie. Moskva, Transport, 1964. 125 p.

MOTORCYCLES see subdivision under Izhevsk

MOTORIZATION, MILITARY
Control and communications in motorized rifle units. V. Khokhlov. Voen. vest. 44 no. 7:51-55 Jl '64.
A motorized rifle company attacks, from experience in tactical training. V. Shcherbakov. Voen. vest. 44 no. 7:63-67 Jl '64.
Motorized rifle platoon in a hasty attack. I. Sviriaev. Voen. vest. 43 no. 4:26-31 Ap '64.
Motorized riflemen attack. I. Chugunov. Voen. vest. 43 no. 4:53-57 Ap '64.

MOTORLESS FLIGHT see Gliding and soaring

MOTORNII, ANDREI DANILOVICH, 1891-1964
Andrei Danilovich Motornii, obituary. Geod. i kart. no. 5:77-78 My '64.

MOTORSHIPS
Antonov, S. L., and IU. L. Itskovich. [Diesel-electric motorships] Dizel'-elektrokhody. Moskva, Transport, 1964. 307 p.

MOTORTRUCKS—ENGINES
Studying the wear of some connecting pairs with nonantifriction alloys in truck and tractor engines. V. D. Koval'skii. Trudy Kostr. sel'khoz. inst. "Kar." no. 3:207-211 '63.

MOTORTRUCKS—TIRES
Inber, F. L., and P. I. Skachkov. [Operation of trucks with extra-wide log-type tires in logging camps] Ekspluatatsiia avtomobilei s arochnymi shinami v lespromkhozakh. Moskva, Goslesbumizdat, 1963. 46 p. (Nastoichivo vnedriat' peredovoi opyt v proizvodstvo!)

MOVEMENT (PHYSIOLOGY)
Certain characteristics of the development of movement coordination in the students of the schools for mentally handicapped children. A. I. Kozlov. Izv. APN no. 129: 219-223 '63.
Correlation between the phases of α-activity and the dimensions of latent periods of motor reactions. V. G. Pushkina. Zhur. nevr. i psikh. 63 no. 9:1381-1387 '63.
Correlational dependence between maximal speed indices in free movements. Report No. 2. Correlation in the case of special training in both movements under research. V. M. Zatsiorskii, M. A. Godik. Izv. APN no. 129:214-218 '63.

MOVEMENT DISORDERS
Problem of the so-called human motor neuroses. N. A. Kryshova and others. Zhur. nevr. i psikh. 63 no. 9: 1297-1303 '63.

MUCOUS MEMBRANE
Lymphatic system of the mucous membrane of the human fallopian tube. M. D. Gatsalov. Akush. i gin. 39 no. 5: 85-90 S-O '63.
Method for multicolored staining of the gastric mucosa based on the histochemical detection of acid and neutral mucopolysaccharides, proteins and nucleic acids. M. G. Shubich, G. I. Kutakh. Arkh. anat., gist. i embr. 43 no. 11:112-113 N '62.

MUD VOLCANOES see subdivision under Azerbaijan

MUGODZHAR HILLS REGION—GAS, NATURAL—GEOLOGY
Using aerial methods and geomorphological investigations in the study of the tectonic structure of the western Mugodzhar Hills region in connection with its oil and gas potential. M. V. Pronicheva, P. I. Zhernakov. Neftegaz. geol. i geofiz. no. 7:26-31 '64.

MUGODZHAR HILLS REGION—PETROLEUM GEOLOGY
Using aerial methods and geomorphological investigations in the study of the tectonic structure of the western Mugodzhar Hills region in connection with its oil and gas potential. M. V. Pronicheva, P. I. Zhernakov. Neftegaz. geol. i geofiz. no. 7:26-31 '64

MULBERRY—VARIETIES see subdivision under Azerbaijan

MULTIPLE BIRTH see Birth, Multiple

MUNICH FOUR-POWER AGREEMENT, 1938
Mikhailov, V. I. [The prologue to war] Prolog k voine. Moskva, Politizdat, 1964. 77 p. (Shkol'naia bibliotechka po noveishei istorii)

MUNITIONS see subdivision under United States

MURAL PAINTING AND DECORATION see subdivision under Mexico

MURGAB OASIS—SOILS, SALTS IN
Materials on the salt regime of meadow soils in the Murgab Oasis. F. F. Trapeznikov. Biul. nauch.-tekh. inform. Turk. nauch.-issl. inst. zem. za 1963 g.:49-53

MURGAB VALLEY—GEOLOGY, STRATIGRAPHIC
Two types of cross sections of the sediments in the Esenbayskaya series. M. I. Raevskii. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 2:86-93 '63

MURMANSK—FISHERIES—HYGIENIC ASPECTS
A year has passed, and what has changed? A. Krupnikov and others. Okhr. truda i sots. strakh. 7 no. 6:37-39 '64

MURMANSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Party group organizers exchange their experiences. Part. zhizn' no. 15:76-78 Ag '64.

MURMANSK PROVINCE—SPIDERS
Fauna and ecology of spiders in Murmansk Province. S. A. Beer. Zool. zhur. 43 no. 4:525-533 '64.

MUSCLE
Effect of some pharmacological substances on the tonus and resting potential of smooth and tonic skeletal muscle fibers. A. I. Shevchenko. Farm. i toks. 26 no. 2:210-215 Mr-Ap '63.
Effect of the redoxpotential of the external environment on the sensitivity of the muscle to acetylcholine. N. G. Aleksidze. Biofizika 7 no. 5:602-608 '62.
Formation of a membrane potential in the early period of ontogenesis and its connection with the size of the muscle fiber. S. I. Fudel'-Osipova, O. A. Martynenko. Biofizika 8 no. 1:45-49 '63

MUSCLE RELAXANTS
Combined effect of meprobamate and pyramidon. N. V. Kuzina. Farm. i toks. 26 no. 5:568-573 S-O '63.
Effect of cypenam and pentaphene on the central nervous system. General effects and toxicity of both preparations. V. M. Avakian. Farm. i toks. 26 no. 5:543-551 S-O '63.

MUSCLE STRENGTH
Effect of dibazol and adaptation to cold and muscular work on animals with the Ehrlich tumor. V. IA. Rusin. Vop. onk. 9 no. 6:60-66 '63.

MUSCLES
Changes in the protein fractions of the blood serum in dogs during muscle activity of various intensity. H. H. Dydenko. Fiziol. zhur. 10 no. 1:55-60 '64.
Effect of adrenalectomy and some steroid hormones of the adrenal cortex on the content of mineral components in the brain and muscles. M. N. Levchenko. Fiziol. zhur. 10 no. 1:75-81 '64.
Functional-morphological characteristics of mucles of the humerus and scapula in animals with different types of locomotion. N. A. Bodrova. Arkh. anat., gist. i embr. 45 no. 12:51-56 D '63.
Importance of the musculus interosseus of the wrist for the gymnasts. N. M. Bykov. Teor. i prak. fiz. kul't. 27 no. 4:28-30 Ap '64
Resting potential in the muscles of rat embryos. O. A. Martynenko. Fiziol. zhur. 10 no. 1:107-109 '64.

MUSCLES—DISEASES
Afferent impulsation in the sciatic nerve of rabbits in experimental inflammation in the gastrocnemius muscle. O. S. Sherstn'ova. Fiziol. zhur. 10 no. 1:109-113 '64.
Syndrome of neurotic arthralgia and myalgia. Vladislav Sědivec. Zhur. nevr. i psikh. 63 no. 9:1304-1307 '63.

MUSCLES—EXAMINATIONS
Electromyographic examination of the mimetic musculature following recovery from palsy and epinuclear lesions of the facial nerve. A. K. Popov. Zhur. nevr. i psikh. 63 no. 9:1322-1326 '63.

MUSCLES—INNERVATION
Electric excitability of the smooth muscle cells. A. V. Kibiakov, R. S. Orlov. Biul. eksp. biol. i med. 55 [i.e. 56] no. 10:3-6 O '63.

MUSCLES—TUMORS
Histogenesis of experimental somatic muscle tumors. A. A. Klishov. Arkh. anat. gist. i embr. 45 no. 11:101-110 N '63.

MUSCLES—WOUNDS AND INJURIES
Case of a spontaneous rupture of the musculus rectus abdominis. I. I. Berliant. Akush. i gin. 39 no. 5:147 S-O '63.

MUSEUM TECHNIQUES
Analysis of the display of natural resources in local lore museums. F. S. Leont'ev. Trudy NIIM no. 10:342-451 '63.
Banners as historical objects and museum displays. M. P. Simkin. Trudy NIIM no. 10:3-275 '63.
Study of the social and economic condition of the peasantry and the peasant movement in the region, at the end of the 19th and beginning of the 20th century. N. S. Zuzykina. Trudy NIIM no. 10:276-341 '63

MUSEUMS
(see also subdivision 'Art galleries and museums' under Leningrad)
New developments in the work of museums of local lore. V. N. Ignat'eva, V. G. Lur'e. Vop. arkh. [illegible] 71-75 Jl-S '63.

MUSEUMS AND SCHOOLS see subdivision under Kiev

MUSHROOMS, EDIBLE
Effect of gibberellin on the growth and yield of common meadow mushrooms (Agaricus campestris). I. A. Aleksandrov. Bot. zhur. 49 no. 7:1056-1057 Jl '64.

MUSIC
(see also subdivision under Berlin, East; Germany, West; Kirghizistan)
Brief news. Sov. muz. 28 no. 1:145-160 Ja '64
Brief news. Sov. muz. 28 no. 2:145-160 F '64.
Brief notes on books. B. Shteinpress, L. Barenboim, A. Z. Sov. muz. 28 no. 2:141 F '64.
Participants in the plenum propose. Sov. muz. 28 no. 2:11-14 F '64.

MUSIC—COMPETITIONS see subdivision under Budapest, Paris; Zwickau, Germany

MUSIC—HISTORY AND CRITICISM
Akademiia nauk SSSR. Institut istorii iskusstv. [History of Soviet Russian music] Istoriia russkoi sovetskoi muzyki. Moskva, Muzgiz.
Vol. 4. 1940-1956.
Pt. 2. 1963. 402 p.
Al'shvang, A. A. [Selected works in two volumes] Izbrannye sochineniia v dvukh tomakh. Red. kollegiia G. B. Bernandt i dr. Moskva, Izd-vo Muzyka.
Vol. 1. 1964. 430 p.
Be worthy of the teachers. V. Vlasov. Sov. muz. 28 no. 2:15-19 F '64.
Dialectics of the art. I. Vyzgo. Sov. muz. 28 no. 1:[illegible] Ja '64.
Esteem the culture of our people. G. Sviridov. Sov. muz. 28 no. 2:8-10 F '64
For the music of the communist tomorrow. T. Khrennikov. Sov. muz. 28 no. 1:3-8 Ja '64
Greater initiative. N. Shakhnazarova. Sov. muz. 28 no. 1:129-135 Ja '64.
Shteinpress, B. S. [Popular outline history of music up to the 19th century] Populiarnyi ocherk istorii muzyki do XIX veka. Moskva, Muzgiz, 1963. 447 p.
Sokol'skii, M. M. [Listening to time...; selected articles on music] Slushaia vremia...; izbrannye stat'i po muzyke. Moskva, Muzyka, 1964. 371 p.
Summary of the discussion. E. Grosheva. Sov. muz. 28 no. 1:25-34 Ja '64.

MUSIC—INSTRUCTION AND STUDY
Encourage the new. B. IArustovskii. Sov. muz. 28 no. 1:39-42 Ja '64.
Necessary reform. L. Khristiansen. Sov. muz. 28 no. 2:45-47 F '64.
Overcome stagnation. S. Skrebkov. Sov. muz. 28 no. 2:47-50 F '64.
Prepare versatile musicians. V. Bobrovskii. Sov. muz. 28 no. 1:42-44 Ja '64.
Train versatility. T. Ter-Martirosian. Sov. muz. 28 no. 2:50-51 F '64.
Variations on an invariable theme. M. Druskin. Sov. muz. 28 no. 1:36-39 Ja '64.
A way out must be found. K. Leikhter. Sov. muz. 28 no. 1:44 Ja '64.

MUSIC, ESTONIAN see subdivision under Tallinn

MUSIC, MOLDAVIAN

Musicians from Moldavia E Tkach Sov muz. 28 no 1 67-71 Ja '64

MUSIC FESTIVALS see subdivision under Gorkiy; Warsaw

MUSIC IN INDUSTRY

Music and efficiency. V. Shvili. Okhr. truda i sots. strakh. 7 no. 5:24-25 '64.

MUSIC PRINTING see subdivision under Cuba

MUSICAL FORM

The theme remains unresolved V Dashkevich Sov. muz. 28 no. 1:137-143 Ja '64

MUSICAL INSTRUMENTS, OIROT

Paraev, A.M. [Altai folk musical instruments] Altaiskie narodnye muzykal'nye instrumenty, Gorno-Altaisk, Gorno-Altaiskoe knizhnoe izd-vo, 1963. 35 p.

MUSICIANS—SALARIES, PENSIONS, ETC. see subdivision under Great Britain

MUSTAFINOV, AKHMED NURMUKHAMEDOVICH, 1904-1963

Akhmed Nurmukhamedovich Mustafinov; obituary Geol nefti i gaza 7 no 12 52 D '63

MUSTARD OILS

Determination of fatty monobasic and dibasic acids in the mustard cake by the paper chromatography method N K TSvetkova, N K. Budnikova Trudy Astr tekh inst. ryb. prom. i khoz no. 8:9-13 '62

Study on the carbohydrate composition of mustard cakes by the chromatographic method. N. K, TSvetkova, N. K. Budnikova, Trudy Astr. tekh. inst. ryb. prom. i khoz no 8:3-8 '62

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Bondarenko, E. L., and M. N. Savov, [International socialist division of labor] Mezhdunarodnoe sotsialisticheskoe razdelenie truda. Moskva, Politizdat, 1964. 94 p.

The building of communism in the U. S. S. R. and the world socialist system. S. Zhurba. Komm. Ukr. 39 no. 5:86-92 My '64.

Collaboration of Mutual Economic Assistance Council countries and the welfare of their peoples N Semin Mezhdunar zhizn' 11 no 9.3-11 S '64

Evaluation of the economic efficiency of foreign trade. G. Smirnov, B Zotov, G. Shagalov Plan khoz 41 no 8:25-32 Ag '64

In the Permanent Committee on Statistics of the Mutual Economic Assistance Council. A. Leshchev Vest. stat. no. 7:82-84 '64.

On the path to a total victory of socialism. V. Kadyshev. Vnesh. torg. 44 no. 7:24-27 '64.

MUTUAL ECONOMIC ASSISTANCE COUNCIL—BIBLIOGRAPHY see Bibliography—Mutual Economic Assistance Council

MYCOBACTERIUM TUBERCULOSIS

Applicability of the niacine test with potassium cyanide and chloramine B for the identification of Mycobacterium tuberculosis of the human type. E. I. Turi, M E Turi. Lab. delo no. 7:392-394 '64.

Atypical nonclassified Mycobacteria, a review of literature. A Z. Smolianskaia. Lab delo no. 7.387-392 '64.

Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. V. S. Chefranov, A. A. Klebanova. Probl. tub. 42 no. 1:44-48 '64.

Effect of thyroid hormones on the growth of Mycobacterium tuberculosis. S. H. Laanes, H. A. Sillastu Lab. delo no. 7:395-396 '64.

Susceptibility of camels to various types of Mycobacterium tuberculosis. I. P Abramov Veterinariia 41 no 4: 19-20 Ap '64.

MYCORRHIZA

Effect of fungicides and insecticides on the development of corn mycorrhiza. E. P. Khrushcheva. Agrobiologiia no. 1:49-53 Ja-F '64.

MYCOSIS

Current state of using roentgenological epilation in the treatment of patients with mycoses of the scalp. A. M. Arievich, A. S. Bezzabotnov. Med. rad. 7 no. 9:42-48 S '62.

Result of the treatment of chromomycosis patients with amphotericin B. A. M. Arievich, V. M. Vatolina. Vest. derm. i ven. 38 no. 1:30-32 Ja '64.

MYONEURAL JUNCTION

Physiological characteristics of the neuromuscular apparatus in aged persons. F. I. Hryshko, S. V. Lytovchenko. Fiziol. zhur. 10 no. 1:31-37 '64.

MYOTONIA

Clinical and genealogical studies of the family of a patient with Thomsen's myotonia. V. N. Kliuchikov and others. Zhur. nevr. i psikh. 63 no. 9:1313-1319 '63.

MYTISHCHI (MOSCOW PROVINCE)—MACHINERY INDUSTRY

Common business needed by people. D. Koreshkov. NTO 5 no. 12:21-23 D '63.

MYTISHCHI (MOSCOW PROVINCE)—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

If you look deeper. A Drabkin NTO 6 no 5:28-30 My '64.

NAMES

Conference on the orthography of names. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1.74-75 Ja-F '64.

NAMES, GEOGRAPHICAL see subdivision under Chelyabinsk Province; Crimea

NAPHTHALENE

Hydrogenation of aromatized petroleum crude without catalysts for obtaining naphthalene and other products A. A Krichko and others Nefteper i neftekhim no 9 30-33 '63

NAPHTHALENE CRYSTALS—ELASTIC PROPERTIES

Elastic constants of molecular crystals. Elastic constant of naphthalene. K. S Aleksandrov and others Kristallografiia 8 no 2:221-224 Mr-Ap '63

NAPHTHALENEDIOL

Dehydration of 1-cyclohexen-3-ol and α-tetralol to 1, 3-cyclohexadiene and 1, 2-dihydroxynaphthalene on alkaline earth metal phosphates as catalysts. N. P. Emel'ianov, Z. N Vasil'eva, E. A. Taborisskaia. Dokl AN BSSR 7 no. 12,821-824 D '63.

NAPHTHALENEDISULFONIC ACID

Photometric determination of titanium in the presence of beryllium with 2,7-dichlorochromotropic acid. N. N. Basargin, T. N Kukisheva, N. V. Solov'eva Zhur. anal. khim 19 no 5:553-555 '64

NAPHTHALENESULFONIC ACID

Bromatometric determination of 1, 5-naphthylaminesulfonic acid R. M Dranitskaia. Nauch ezhegod Khim. fak. Od. un no. 2,70-72 '61.

NAPHTHENES

Homogeneous demethylation of methyl naphthenes. M. G. Gonikberg and others. Neftekhimiia 4 no. 2 252-256 Mr-Ap '64.

NAPHTHENIC ACIDS

Condensation of the chlorides of petroleum naphthenic acids with ethylene in the presence of $AlCl_3$. S. D. Mekhtiev, A. G. Ismailov, I. G. Safarov. Azerb. khim. zhur. no. 5:17-22 '63.

Corrosion of stainless steels in naphthenic acids. Z. G. Farza-libekova, N. G. Kasum-Zade. Azerb. neft. khoz 43 no. 5:44-45 My '64.

NAPHTHOIC ACID

3-oxy-2-naphthoic acid as a colorimetric and fluorescent reagent. A. I. Cherkesov, T. S. Zhigalkina Trudy Astr tekh. inst. ryb. prom. i khoz. no. 8:25-49 '62.

NAPHTHYLAMINES

Dependence of the induction period of the oxidation of polyethylene and polypropylene on the concentration of phenyl-β-naphthylamine. J. Sliapnikovas, J. Kapacauskiene. Trudy AN Lit. SSR Ser. B no. 1:175-181 '62.

NARCISSUS see subdivision under Transcaucasia

NARCOTICS

Examination of the effect of narcotics on the transfer of stimuli in the spinal cord using intracellular microelectrodes. A. I. Shapovalov. Farm. i toks. 26 no. 2:150-156 Mr-Ap '63.

NARITA, TOMOMI, 1912-

People and events. Nov. vrem. 21 no. 29:23, 33 Jl '64.

NASOSNYI (AZERBAIJAN)—EARTHQUAKE

Earthquake of December 1959 at the village of Nasosnyi. K. Sh. Islamov. Dokl. AN Azerb. SSR 20 no. 5:23-26 '64.

NATIONAL CHARACTERISTICS

Bourgeois sociology and the problem of "national character." E. A. Bagramov. Vop filos. 18 no. 6,99-109 '64.

NATIONALISM

(see also subdivision under Europe, Western)

National liberation movement of people against colonialism. A. Sablukov. Komm. Vooruzh. Sil 4 no. 7:73-81 Ap '64.

NATIONALITIES

(see also subdivision under Canada; Kazakhstan; Russia, Northern; Soviet Central Asia)

Certain disputed issues in the study of the historical forms of communities of people (tribe, nationality, nation). A. A. Satybalov. Vest. LGU 19 no. 11:59-68 '64.

Marching toward communism as one family. N. P. Borz'ykh, D. A. Rzaev, A. T. Tabaldiev. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1 177-180 '64.

NATURAL GAS see Gas, Natural

NATURAL HISTORY

(see also subdivision under Khakass Autonomous Province)

Lekhner, E A. [Interrelation between dialectical materialism and the natural sciences] Vzaimootnoshenie dialekticheskogo materializma i estestvoznaniia Pod red E. V. Tadevosiana. Moskva, Mosk energeticheskii in-t, 1960 54 p

[MICROFILM]

Natural history. A M. Nizova Nach shkola 32 no 7: 75-89 Jl '64.

Uspenskii, G. A. [Laughing island] Smeiushchiisia ostrov. Kishinev, Gos. izd-vo Kartia moldoveniaske, 1963. 439 p. (Shkol'naia biblioteka)

(NjP (NIC)

NATURAL RESOURCES see subdivision under Ob' Valley

NATURE STUDY

Do you know your country's natural resources? D Slavkovich Bibliotekar' no 8 40-43 Ag '64

Excursions and object lessons L. P. Shestak. Nach shkola 32 no. 8 87-93 Ag '64

Neznaika studies nature K Minos'ian Bibliotekar' no 7 29-30 Jl '64

So that there may be more naturalists R Tkacheva Bibliotekar' no 8 43-44 Ag '64

NAVAL ARCHITECTURE

Dorogostaiskii, D. V., M. M. Zhuchenko, and N. IA. Mal'tsev. [Theory and equipment of ships] Teoriia i ustroistvo sudna. Pod obshchei red. D V. Dorogostaiskogo. Leningrad, Sudostroenie, 1964. 508 p.

NAVAL ART AND SCIENCE

And again on a cruise V. Milanov Starsh -serzh no 7 6-7 Jl '64

No, it didn't turn out! N. Zhukov. Starsh -serzh no. 7:9-10 Jl '64

NAVAL MEDICINE see Medicine, Naval

NAVIES see subdivision 'Navy' under Russia

NAVIGATION

Summer navigation is ahead V Dem'ianov. Tekh i vooruzh. no 3:54-58 Mr '64

NAVIGATION—MAPS see subdivision under Antarctic regions

NAZAROVO REGION (KRASNOYARSK TERRITORY)—COAL MINES AND MINING

Hydraulic mining at the Nazarovo strip mine A. M. Gus'kov, M. A. Zhediaevskii. Ugol' 39 no. 5,41-42 My '64.

NEAR EAST—PETROLEUM INDUSTRY

Concerning the book of S. M. Lisichkin "Oil industry of the countries of the Near, Middle, and Far East. M. A. Gelman. Neft. khoz. 41 no. 2:71-72 F '63.

NEAR EAST—POLITICS

Academic conference on the history of the national liberation movement in the Balkans and Near East A. S. Silin Vop. ist 39 no 7 119-121 Jl '64.

NEBULAE

Statistical functions of extragalactic nebulae. D Sh Khavtasi. Biul Abast astrofiz obser no. 30 93-106 '64.

NEBULAE—SPECTRA

Loop nebula Cygni region in red and deep-red light. M. V. Dolidze. Biul. Abast. astrofiz obser. no 30 81-92 '64.

NECIC ACIDS

Pyrrolizine alkaloids. Part 6: Complete synthesis of integerrinecic acid. N. K. Kochetkov, A. E. Vasil'ev, S. N. Levchenko. Zhur. ob. khim. 34 no. 7:2202-2207 Jl '64.

NEFTYANYYE KAMNI OIL FIELD—OIL WELLS—ACIDIZATION

Results and efficiency of the acidization of injection wells in the Neftyanyye Kamni oil field. I. M. Aliev and others. Azerb. neft. khoz. 42 no. 6:29-31 Je '63.

NEGROES see subdivision under United States

NEMATODA

(see also subdivision under White Russia)

Skriabin, K. I., and A. M. Petrov. [Principles of veterinary nematodology] Osnovy veterinarnoi nematodologii. Moskva, Izd-vo "Kolos," 1964. 522 p.

(DNAL)

Unusual localization of the nematode Molineus patens Petrov, 1928 in the pancreas of the weasel (Mustela nivalis L.). V. T. Shimalov. Vestsi AN BSSR. Ser. biial. nav. no. 4:135 '62.

NEMATODA—HOST ANIMALS

Study of the alimentary interrelationship between nematodes living under the elytra of the European spruce bark beetle and the bark beetle as a host B.E Kurashvili, G A Kakulia, Sh Sh.Chanishvili Soob. AN Gruz SSR 33 no 3 671-678 Mr '64

NEODYMIUM-MAGNESIUM ALLOYS see Magnesium-neodymium alloys

NEODYMIUM OXIDE

Interaction of Nd_2O_3 with water V.B Glushkova, F.K Keler, IU G. [illegible] Dokl AN SSSR 158 no.1 151-154 S-O '64

NEOSTIGMINE

Resistance-forming effect of ginseng, dibazol and proserine M A Rozin Mat k izuch zhen' i drug lek rast Dal' Vost. no 5 123-128 '63

NEPAL—DESCRIPTION AND TRAVEL

Turkin, V.N. [Through the jungles of Nepal] Skvoz' dzhungli Nepala. Moskva, Izd-vo "Mysl'," 1964. 205 p. (Geograficheskaia seriia Puteshestviia, prikliucheniia)

NEPAL—SANTALS

Visiting the Santals V. Turkin Azia i Afr seg 8 no 6 33-35 45 Je '64

NEPAL—SOCIAL CONDITIONS

Turkin, V.N. [Through the jungles of Nepal] Skvoz' dzhungli Nepala. Moskva, Izd-vo "Mysl'," 1964. 205 p. (Geograficheskaia seriia· Puteshestviia, prikliucheniia)

NEPHELINE SYENITE
(see also subdivision under Azov Sea region; Dnieper Valley)

Composition of the solid phase during the interaction of nepheline syenite with caustic soda solution. M.G. Manvelian, A.K Nadzharian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6.589-593 '63.

NEPHELITE

Busyrev, V M., and V.V Gushchin. [Efficiency of mining apatite and nepheline ores by the induced level caving system] Effektivnost' rasrabotki apatito-nefelinovykh rud sistemoi etazhnogo prinuditel'nogo obrusheniia. Moskva, Izd-vo "Nauka," 1964. 97 p.

Utilizing nepheline pulp lean in calcium oxide for needs of the construction industry M M Gol'dman and others Trudy Inst met i obog AN Kazakh SSR 8 122-123 '63

NEPHELOMETRIC ANALYSIS

Quantitative determination of "antiblok" with the FEK-N-57 electrophotocolorimeter I. M. Dolgova, G.N.Kuritsyna, L.P.Kladnitskaia. Khim volok. no.3;65-66 '64

NEPTUNIUM

Fluorescence yields for L-shells of Np and Pu. G.G. Akalaev, N.A. Vartanov, P.S Samoilov. Izv. AN SSSR Ser. fiz. 28 no 7,1259-1263 Jl '64.

NERIIFOLIN

Pharmacology of the glycosides of Thevetia peruviana. IA.A.Aleshinka, V.V.Berezhinskaia. Farm. i toks. 25 no.6;720-725 N-D '62.

NERVES

Distribution of cyanol between the giant axon of the squid and its environment. S. A. Krolenko, N. N. Nikol'skii. TSitologiia 5 no. 4:414-419 Jl-Ag '63.

Effect of bee and cobra venom on the neuromuscular apparatus in cat. N M Artemov and others Nauch. dokl. vys shkoly, biol. nauki no 3;54-61 '64

Electric structure of excited tissues and the mechanism of the transmission of nerve impulses L. M. Chailakhian Biofizika 7 no 5:639-651 '62.

Neuroplasmic component of pericellular apparatus. V. P. Babmindra Arkh anat. gist i embr 45 no 11· 31-37 N '63.

Organization and function of the neurosecretory system in higher invertebrates. A. A. Voitkevich. Fiziol. zhur. 10 no. 1·94-101 '64.

Place of the appearance of transformation rhythm in the nerve fiber with artificially produced inhomogeneity. IU. I. Arshavskii, M. B. Berkinblit, S A Kovalev Biofizika 7 no. 5:619-623 '62.

Taking an electrogram of nerve trunks using apparatuses with direct recording and quantitative evaluation of the activity of the nerve. N. I. Losev, S. B. Kuz'minykh. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10.119-122 O '63.

NERVES—PRESERVATION

Morphological changes in isolated nerves preserved in the 31-e solution for the conservation of tissues and in dry form at a temperature of 30° centigrade. G. P. Buachidze. Trudy Inst. eksp. i klin. khir. i gemat AN Gruz. SSR 11·173-175 '63.

NERVES—WOUNDS AND INJURIES

Physiological analysis of disturbances in the regional blood circulation during the development of neural dystrophy. S.V Magaeva. Dokl. AN SSSR 157 no. 1 233-235 Jl '64

NERVES, PERIPHERAL

Shifts in impregnation and peripheral nerve endings of the autonomic nervous system D Botar Arkh anat gist i embr 45 no 11 14-30 N '63

Sources of afferent innervation of the parotid glands in cats. V. I. Shkurko. Arkh. anat., gist, i embr. 45 no. 12,35-40 D '63.

Structural changes in the nervous system in experimental tumors. L K.Sharashidze, R V.Bulusashvili Trudy Inst eksp i klin. khir i gemat. AN Gruz. SSR 11;111-115 '63.

NERVES, SPINAL—DISEASES

Use of electrophoresis combined with inductothermy or ozocerite in treating lumbosacral radiculitis. N P Krylov. Vop kur., fizioter i lech fiz kul't no. 6 541-548 '63

NERVOUS SYSTEM

Correlation between the phases of α-activity and the dimensions of latent periods of motor reactions. V. G. Pushkina. Zhur nevr i psikh. 63 no. 9 1381-1387 '63.

Effect of cypenam and pentaphene on the central nervous system General effects and toxicity of both preparations V M. Avakian. Farm. i toks. 26 no. 5 543-551 S-O '63

Functional state of the nervous system in diabetes mellitus and pulmonary tuberculosis patients according to electrophysiological examination A.I. Volegov, T F Smurova. Probl. tub. 42 no. 1 73-79 '64

Further pharmacological analysis of etephyl (diethyldiamide imidazole-4, 5-dicarboxylic acid, IEM-289). L Kh. Allikmets. Farm i toks 26 no 5 531-536 S-O '63.

Higher nervous activity in bronchial asthma patients. P.K Bulatov. Trudy Gos nauch.-issl psikhonevr. inst. 29,317-327 '63.

I. M. Sechenov's evolutionary ideas and some problems in the physiology of nervous activity. D. A. Biriukov. Fiziol. zhur. 49 no. 11·1286-1293 N '63.

Role of the central nervous system and adrenals in adaptive processes in oxygen deficiency. V. B. Antonov, V. A. Pukhov. Pat. fiziol. i eksp. terap. 6 no. 4.25-28 Jl-Ag '62.

Stimulating effect of the wind and mild air impulses on the sensory and motor nervous system in man. V. V. Efimov. Vop kur., fizioter i lech. fiz. kul't no 6:497-499 '63.

NERVOUS SYSTEM—AMPHIBIA

Melanophoric reaction in Amphibia following the modification of the nervous system under the influence of neurotropic drugs B.E. Mel'nik Dokl. AN SSSR 157 no. 4;1003-1005 Ag '64.

NERVOUS SYSTEM—DISEASES
(see also subdivision under Krasnodar)

[Abstracts of Soviet medical literature· Neuropathology and psychiatry] Sov. med. ref. oboz. Nevropat i psikh no 14 '56
(DNLM)

Correlation between adrenaline and histamine in the blood in adrenaline load under normal conditions and in some forms of neural pathology. I. L. Voisfel'd, S V. Ugoleva Pat. fiziol. i eksp. terap. 6 no. 4:78-79 Jl-Ag '62

Neurosomatic unity in cliniconeurological light. G. D. Leshchenko. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;61-73 '63.

Perception disorders of central genesis and the hypocondriac syndrome. N.P. Tatarenko, K.V. Kravchenko-Mikhailova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;117-128 '63.

Problem of the so-called human motor neuroses. N. A. Kryshova and others. Zhur. nevr. i psikh. 63 no. 9: 1297-1303 '63.

Results of the study of the functional condition of the central nervous system in ship radar operators. P. M. Golubchikov. Voen.-med zhur. no. 1:70-74 '63.

Review of the book "Handbook of the neuropathologist". V. V. Mikheev, D. R. Shtul'man. Zhur. nevr. i psikh 63 no. 9·1437-1439 '63.

State of psychoneurological aid in the U. S. S. R. and the pattern for its future development, report at the Fourth Conference of neuropathologists and psychiatrists, June 1, 1963. S. V. Kurashov. Zhur. nevr. i psikh. 63 no. 9·1281-1286 '63.

"Topical diagnosis of diseases of the nervous system" by E. K. Sepp and others. Reviewed by N. I. Grashchenkov, A. M. Vein. Zhur. nevr i psikh. 63 no. 9 1436-1437 '63.

Triumfov, A. V. [Topical diagnosis of diseases of the nervous system; a brief manual] Topicheskaia diagnostika zabolevanii nervnoi sistemy, kratkoe rukovodstvo. Izd. 5. Pod red. A. I. Shvareva. [Leningrad] Meditsina, 1964. 258 p.
(DNLM)

NERVOUS SYSTEM—DISEASES—BIBLIOGRAPHY see Bibliography—Nervous system—Diseases

NERVOUS SYSTEM—INSECTS

Some properties of the fine structure of the conducting elements in the head ganglion of insects. O. K. Basurmanova. Biofizika 8 no. 1:132-134 '63.

Study of chemoreception in insects and ticks, characteristics of the function of chemoreceptors in the tick Hyalomma asiaticum P Sch et. E Sch under the influence of repellents E Kh Zolotarev, IU. A. [illegible] Zool zhur 43 no 4 540-559 '64.

NERVOUS SYSTEM—REPTILES

Electric activity of the cerebral hemispheres of Varanus griseus induced by excitation of structures of the diencephalon. M. G. Belekhova. Fiziol. zhur. 49 no. 11: 1318-1329 N '63.

NERVOUS SYSTEM, AUTONOMIC

Shifts in impregnation and peripheral nerve endings of the autonomic nervous system. D Botar Arkh anat gist i embr 45 no 11·14-30 N '63

Some modifications of macro-microscopic methods of examining the vegetative nervous system. B. M. [illegible] Arkh. anat., gist. i embr. 45 no. 12;67-68 D '63.

Vsesoiuznoe soveshchanie po voprosam fiziologii vegetativnoi nervnoi sistemy i mozzhechka. 1st, Erevan, 1961. [Problems of the physiology of the vegetative nervous system and cerebellum, collection of reports] Voprosy fiziologii vegetativnoi nervnoi sistemy i mozzhechka, sbornik dokladov. Erevan, Izd-vo A. N. [illegible] Armianskoi SSR, 1964. 610 p.

NERVOUS SYSTEM, SYMPATHETIC

Anatomical data on nervous connections between the sympathetic trunk and the vagus nerve in the thoracic region of human fetuses and newborn infants. A. I. Lobbok, F. Sh. Sharafislamov. Arkh. anat., gist. i embr. 43 no. 11;83-81 N '62.

NERVOUS SYSTEM, SYMPATHETIC—INFLAMMATION

Inflammation of the thoracic sympathetic trunk and its treatment. N. I. Strelkova. Zhur. nevr. i psikh. 63 no. 9,1333-1338 '63.

NEURALGIA

Syndrome of neurotic arthralgia and myalgia. [illegible] Sědivec. Zhur. nevr. i psikh. 63 no. 9:1304-1307 [illegible]

NEURALGIA, FACIAL

Myophony in neuritis of the facial nerve M. P. [illegible] Vop kur., fizioter. i lech fiz. kul't no. 6:548-552 '63

NEURAMINIC ACID

Neuraminic acid metabolism in animals. I. V. Tsvetkova. Vop. med. khim. 9 no. 2:115-124 Mr-Ap '63.

NEUROANATOMY
(see also subdivision under Hungary)

Changes in the Nissl bodies of the motor neurons under the influence of training involving motion. [illegible] Arkh. anat., gist. i embr 43 no. 11·24-28 N '62.

Electron microscopic study of nerve cells and some extracellular elements of ganglia of the solar plexus V. S. Petrov. Arkh anat., gist i embr. 43 no. 11 [illegible] N '62

NEUROCHEMISTRY

Histochemical study of the sulfhydryl groups of tissue proteins in the superior cervical sympathetic ganglia of a cat in a state of quiescence and excitation. I. D. Krasnov. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10 50-54 O '63.

Some data on the effect of vertebrate hormones on the neurosecretory system of insects. A. A. Voitkevich, L. K. Leonova. Dokl. AN SSSR 157 no. 1 230-231 Jl '64.

NEUROLOGY

Radiation therapy in nervous diseases. M. D. Gal'perin. Med. rad. 7 no. 9:62-68 S '62.

NEUROPSYCHIATRY

Effect of neuropsychic factors on the dynamics of arterial pressure in practically healthy persons and some groups of patients. V. P. Riabkov. Trudy Gos nauch.-issl. psikhonevr. inst. 29;309-316 '63

Neuropsychic disorders in cardiac pathology. N. K. Bogolepov, L. O. Badalian. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;295-307 '63.

Somatic and psychic problems in contemporary psychiatry based on a historical analysis. D. D. Fedotov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;7-18 '63.

Somatic trend in psychiatry. A. S. Chistovich. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;91-102 '63.

Unity of somatocerebral disorders in schizophrenia and other neuropsychic diseases based on data of clinical and immunological studies. S. F. Semenov. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;129-144 '63.

NEUROPSYCHOPHARMACOLOGY

Melanophoric reaction in Amphibia following the modification of the nervous system under the influence of neurotropic drugs. B. E. Mel'nik. Dokl. AN SSSR 157 no. 4;1003-1005 Ag '64.

NEUROSES

Dynamics of psychosomatic interrelations in the development of neuroses with functional disorders of cardiac activity. A. J. Straumits. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;235-246 '63.

NEUROSES (Continued)

Interrelationship of the psychic and somatic elements in general and systemic neuroses. V.N.Miasishchev. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:193-204 '63.

Problem of the so-called human motor neuroses. N.A. Kryshova and others. Zhur.nevr.i psikh. 63 no.9: 1297-1303 '63.

Psychosomatic interrelations in sexual disorders in neurosis patients. R.A.Zachepitskii, E.K.IAkovleva Trudy Gos.nauch.-issl.psikhonevr.inst. 29:257-266 '63.

Role of somatic diseases in the pathogenesis of neuroses. E.V.Maslov. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:215-226 '63.

Role of the somatogenic factor in the pathogenesis and course of neurosis and neurosis-like states. L.I. Marichova. Trudy Gos.nauch.-issl.psikhonevr.inst 29:267-277 '63.

Vascular hypotension and neuroses. M.E.Telechevskaia. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:247-256 '63.

NEUTRALITY

The atomic weapon and the problem of neutrality. F.Kozhevnikov. Mezhdunar.zhizn' 11 no.9:86-87 S '64.

NEUTRALIZATION

New indicator in the neutralization method. Z.P. Suranova. Nauch.ezhegod.Khim.fak Od un. no 2: 72-74 '61.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffractometer. I.I.IAmsin and others. Kristallografiia 8 no.2,302-304 Mr-Ap '63.

NEUTRON SOURCES

Apparatus for comparison of neutron sources of identical spectral composition V I.Fominykh, I.A.IArutsyna. Trudy inst Kom.stand., mer i izm prib. no 69 75-85 '62

NEUTRONS

Effect of neutron irradiation on the magnetic moment of the Fe_3Al alloy G.P.Saenko. Fiz.met i metalloved 17 no 5 689-692 My '64.

Fast neutron propagation through sodium. V.K.Daruga and others Atom energ. 17 no.2:145-146 Ag '64

Method of associated particles. V.T.Shcheholev. Trudy inst.Kom stand., mer i izm prib no 69:86-94 '62

Neutron propagation in uranium carbide. I.I.Bondarenko and others Atom energ 17 no.2:113-119 Ag '64

A possible approach in investigating the behavior in time of neutron fluxes from a reactor in an approximation under the perturbation theory. G.V.Shishkin. Dokl AN BSSR 8 no.2:94-96 F '64.

Solution of the homogeneous transport equation. E.Ismatov. Izv.AN Uz.SSR.Ser.fiz.-mat nauk 7 no.5:54-57 '63.

NEUTRONS—CAPTURE

Gamma-ray spectrum from the reaction $Fe^{56}(n,\gamma)Fe^{57}$. L.V.Groshev and others. Izv.AN SSSR.Ser.fiz. 28 no.7:1234-1243 Jl '64.

Nuclear levels of Rh^{104} excited in the capture of thermal neutrons. L.V.Groshev and others. Izv.AN SSSR. Ser.fiz. 28 no.7:1118-1123 Jl '64.

NEW YORK (CITY)—RIOTS

Harlem tragedy. I.Lapitskii. Mezhdunar.zhizn' 11 no.9.123-124 S '64.

NEWSPAPERS see subdivision under Omsk

NIACIN see Nicotinic acid

NIBUFIN

Mechanism of the action of armin and nibufin. I.S. Afonskaia and others. Farm.i toks. 26 no.2:184-189 Mr-Ap '63.

NICHROME—ELECTRIC PROPERTIES

Nature of the increase in electric resistance due to ordering of atoms in nichromes and permalloys with addition elements. A.D.Korotaev, IU.V.Malov. Izv.vys.ucheb.zav.; fiz. no.4:128-132 '64.

NICKEL

Some characteristics of the postmagmatic mineral formation of nickel-bearing intrusions. M.G.Mironchuk. Trudy Lab.geol.dokem. no.19:364-381 '64.

Trilonometric determination of copper and nickel with the help of fumaric acid-pyridine precipitator. A S. Aleksandrovich-Mel'nikova, T.S.Zhigalkina. Trudy Astr.tekh.inst ryb.prom.i khoz. no.8:89-96 '62.

NICKEL—ANALYSIS

Determination of nickel by the periodate method. A.A. Verdizade, T.D.Alizade. Dokl.AN Azerb.SSR 19 no.3:35-39 '63.

NICKEL—FATIGUE

Effect of low-melting metal coatings on the thermal fatigue of NP-2 nickel. V.P.Zubekhin, N.D.Novokreshchenov. Fiz.met.i metalloved. 17 no.6:943-944 Je '64.

NICKEL—FRACTURE

Mechanism of polycrystalline metal failure at high temperatures M.G.Lozinskii, N.Z.Pertsovskii. Fiz.met i metalloved. 17 no.6:903-908 Je '64.

NICKEL—MAGNETIC PROPERTIES

Changes in the rate of magnetic polarity reversal in nickel during annealing following deformation and hardening. I IA.Dekhtiar, V V.Polotniuk. Sbor nauch. rab Inst metallofiz AN URSR no 18 206-211 '64

Effect of hardening conditions on the coercive force of nickel V.V Polotniuk Sbor.nauch rab.Inst.metallofiz.AN URSR no.18 212-215 '64

NICKEL—METALLOGRAPHY

Activation energy and the mechanism of self diffusion of nickel. A.IA.Shiniaev. Trudy Inst.met. no.14:78-85 '63.

Polygonization in nickel during creep. G.IA.Kozyrskii, P.N.Okrainets. Sbor.nauch rab.Inst metallofiz.AN URSR no.18 74-82 '64.

NICKEL—TESTING

Deformation and structural changes in nickel during an even application of load G.IA.Kozyrskii, P.N Okrainets. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.18.83-89 '61.

NICKEL ALLOYS—METALLOGRAPHY

Effect of molybdenum and tungsten on the properties of heat-resistant nickel alloys. M.V.Pridantsev, G V Estulin, L.N.Zimina. Stal' 23 no 4,349-353 Ap '64.

NICKEL ALLOYS—TESTING

Density of Co-C and Ni-C alloys in the solid and liquid states. E.S.Filippov, A.A.Vertman, A.M.Samarin. Izv.vys.ucheb.zav.; chern.met. 7 no.7,162-164 '64.

NICKEL-ALUMINUM ALLOYS

Electron diffraction examination of the processes of oxidation of thin films of intermetallic compounds in the system nickel - aluminum. R I.Nazarova. Izv. AN SSSR.Ser.khim. no.7:1164-1167 Jl '64.

NICKEL-BERYLLIUM ALLOYS see Beryllium-nickel alloys

NICKEL CATALYSTS

Adsorption of hydrogen and carbon monoxide on a nickel catalyst. V.M.Vlasenko and others. Kin.i kat. 5 no.2:337-344 Mr-Ap '64.

Hydrogenation of cottonseed oil on skeleton nickel catalysts with the addition of cobalt and molybden. D.V.Sokol'skii, N.S.Samsonova. Masl.-zhir.prom. 30 no.7:12-15 Jl '64.

NICKEL CHLORIDES

Obtaining aminoacetylenic complex compounds of the chlorides of nickel and cobalt S.N.Avakian, R.A. Karapetian, R.S.Eminian. Izv.AN Arm.SSR.Khim. nauki 16 no.2:125-129 '63.

NICKEL-CHROMIUM ALLOYS—CORROSION

Investigating high-temperature oxidation of nickel-chromium alloys. I.S.Gil'dengorn, I.L.Rogel'berg. Fiz.met.i metalloved. 17 no.4:527-535 Ap '64

NICKEL-CHROMIUM ALLOYS—MAGNETIC PROPERTIES

Antiferromagnetism of Ni-Cr alloys. V.I.Chechernikov, IUliu Pop. Fiz met.i metalloved 17 no.4:636-638 Ap '64.

NICKEL-CHROMIUM ALLOYS—METALLOGRAPHY

Extra-axial segregation of heterogeneities in chromium-nickel alloy ingots. V.P.Stepanov, M.V.Pridantsev, N.K.Kernich. Izv.AN SSSR.Met.i gor.delo no.2: 110-116 Mr-Ap '64.

Microrelief on the surface of nickel-chromium alloys under the effect of small plastic deformations. S.V. Zatsepin, I.I.Zlochevskaia, V.E.Kochnov. Izv AN SSSR.Met.i gor.delo no.2:172-176 Mr-Ap '64.

NICKEL COMPOUNDS

Complex compounds of manganese and nickel chlorides with dicyanamide. S.N.Avakian, R.S.Eminian. Izv. AN Arm.SSR.Khim.nauki 16 no.1:13-17 '63.

NICKEL-COPPER ALLOYS

Catalytic activity of solid solutions in the system nickel-copper. G.D.Liubarskii, E.I.Evzerikhin, A.A.Slinkin. Kin.i kat. 5 no.2:311-318 Mr-Ap '64.

NICKEL-GOLD ALLOYS

Phase dissolution in the system nickel - gold. V.V. Sanadze, G.V.Guliaev. Dokl.AN SSSR 158 no.1:89-91 S-O '64.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL ISOTOPES

Inelastic diffraction scattering with excitation of two-phonon nuclear states. IU.A.Berezhnoi. Ukr.fiz zhur 8 no.9:929-934 S '63.

NICKEL-MANGANESE-ZINC ALLOYS—ELECTRIC PROPERTIES

Specific electric resistance and activation energy of nickel-manganese-zinc ferrites M.I.Danil'kevich, N.N Sirota Dokl AN BSSR 8 no 2:87-89 F '64.

NICKEL-MOLYBDENUM ALLOYS—ELECTRIC PROPERTIES

Temperature dependence of the Hall effect in Ni-Mo alloys D I Volkov, T M.Kozlova. Fiz.met i metalloved. 17 no 6 838-844 Je '64.

NICKEL PLATING

Changes in the medium acidity which triggers the formation of nickel hydroxide sol due to some additions causing the improvement of the quality and brightness of nickel electrodeposits P.Kicas, J Matulis Trudy AN Lit SSR. Ser.B no 1:97-110 '62.

Formation of colloids in the catholyte during the electrolysis of nickel sulfate solutions containing some additions P Kicas, J Matulis. Trudy AN Lit. SSR. Ser.B no.1 111-127 '62

NICOTINE

Characteristics of central choline receptors stimulated by nicotine E V Zeimal' Dokl AN SSSR 157 no 1 230-232 Jl '64

NICOTINE—PHYSIOLOGICAL EFFECT

Choline-reactive structures of the mesencephalon; a pharmacological study. R.IU.Il'iuchenok, R.U.Ostrovskaia. Farm.i toks. 25 no.6,643-651 N-D '62.

NICOTINIC ACID

Nicotinic acid metabolism during therapy of patients with eye diseases. N.V.Sidorov. Vop.pit. 22 no.3:83-84 My-Je '63.

NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Effect of nicotinic acid on blood coagulation under experimental conditions. G.M.Avetisian, V.A.Atsekhovskaia, L.I.Shurai. Farm.i toks 26 no.2 216-219 Mr-Ap '63

NIGERIA—COMMERCE

Voice of Africa K.Geivandov Az i Afr seg 8 no 6 54 Je '64

NIGERIA—HISTORY

Apologetics for British colonization in Nigeria S R Kim Vop ist 39 no 7 196-197 Jl '64

NIGERIA—SOCIALIST PARTY

The first socialist party in Nigeria Az i Afr seg. 8 no 7 51-53 Jl '64.

NIGERIA—WOMEN

Mammy. E Korshunov Az i Afr seg 8 no 6:32-33 Je '64.

NIGHT WORK

Nutrition and health of people performing night work for long periods of time. S.Hejda, L.Krzikava. Vop.pit. 23 no.1:33-36 Ja-F '64.

NIKOLAEVA, TATIANA

At a Beethoven concert. G.Kogan. Sov.muz. 28 no.2: 98 F '64

NIKOLAEVA-TERESHKOVA, VALENTINA VLADIMIROVNA, 1937-

There are women in Russian communities. G Linnik. Av.i kosm 47 no 9 87-88 S '64.

NIKOLAYEV—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

A book was published. A.Rogov. Starsh.-serzh no 7 35 Jl '64

NIKOPOL' (DNEPROPETROVSK PROVINCE)—IRON AND STEEL WORKERS

There are no fixed ways. V.Kurilenko. Sov.profsoiuzy 20 no.15 15-17 Ag '64

NIKOPOL' REGION (DNEPROPETROVSK PROVINCE)—STOPING (MINING)

Means of raising the rates of ore drawing from stoping blocks at the Orzhonikidze Mine. A.A Makeev, N I. Diadechkin Sbor.nauch.trud.KGRI no.23 28-32 '63.

NIL SORSKII, Saint, 1433-1508

Book about Saint Nil Sorskii in German. Zhur.Mosk. Patr no.7:76-78 '64.

NILE RIVER—DESCRIPTION AND TRAVEL

Davy, Andre. [Down the Nile River on a kayak. Translated from the French] Po Nilu na kaiakakh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 261 p. illus. map. (NIC)

NIOBIUM

Kolchin, O.P. [Niobium and tantalum; fields of their adopted and possible use] Niobii i tantal; oblasti osvoennogo i vozmozhnogo primeneniia. Pod red. G.A. Meersona. Moskva, Vses. in-t nauchn. i tekh. informatsii, 1959. 94 p. [MICROFILM]

NIOBIUM—ANALYSIS

[illegible]

NIOBIUM—CORROSION

[illegible] the nature of [illegible] alloy layers [illegible] N. N. [illegible] S. B. Maslenkov G V [illegible] Fiz met i metalloved 17 no 6 [illegible]-902 Je '64

NIOBIUM—METALLOGRAPHY

[illegible] niobium alloy layers [illegible] N N [illegible] S P Maslenkov, G V [illegible] Fiz met i metalloved 17 no 6 893-902 Je '64

NIOBIUM CARBIDES—THERMODYNAMICS

[illegible] dependence [illegible] of the phase [illegible] R. G. Avarbe [illegible] temp 2 [illegible]

NIOBIUM COBALT ALLOYS—METALLOGRAPHY

[illegible] diagram of the niobium-cobalt alloy [illegible] Shurin G P Dmitrieva Sbor nauch rab Inst metallofiz AN UKSR. no 13 175-177 '61

NIOBIUM-MAGNESIUM ALLOYS—METALLOGRAPHY

Interaction of niobium and vanadium with magnesium. E. M. Savitskii and others. Trudy Inst. met. no. 14:139-146 '63.

NIOBIUM-MOLYBDENUM-CHROMIUM ALLOYS—TESTING

Properties of solid solutions of the ternary system Nb - Mo - Cr at high temperatures N N. Kurnakov, M M. Savel'eva. Iz. AN SSSR Met. i gor delo no 2 164-166 Mr-Ap '64

NIOBIUM-TITANIUM ALLOYS see Titanium-niobium alloys

NIOBIUM-ZIRCONIUM ALLOYS—ABSORPTION SPECTRA

Absorption of high-frequency energy in the superconducting alloy Nb - Zr N.I.Kritko Zhur tekh. fiz. 34 no. 7.1337-1339 Jl '64.

NIOBIUM-ZIRCONIUM ALLOYS—METALLOGRAPHY

Reversibility of $\beta \rightarrow \omega$ transformations in Zr-16% Nb alloys IU F Bychkov, V A Ivanov, A N Rozano Fiz met i metalloved 17 no 4 547-553 Ap '64

NITRANOL

Analytic characteristics of nitranol. A.K Ruzhentseva, A M Chivireva. Khim. i med no 16:14-15 '61

Changes in skin temperature under the influence of nitranol. N.I.IAgodkina Khim i med. no. 16:54-56 '61

Changes in the level of arterial pressure and vascular tonus in disorders of coronary circulation during nitranol therapy. A I Romanovskaia. Khim. i med. no 16:50-53 '61

Chemistry of nitranol and its production V.V.Kalyshkina, R.G Gol'tsova, M.IA.Kraft. Khim i med. no. 16.11-14 '61

Clinical use of nitranol A.B.Zborovskii. Khim. i med. no 16:20-25 '61.

Effect of nitranol in angina pectoris I.B.Shulutko. Khim. i med. no. 16:29-37 '61.

Effect of nitranol on the cutaneous capillaries in disorders of coronary circulation. O.V.Pavlova. Khim. i med. no. 16.64-67 '61.

Electrocardiographic changes in patients with disorders of coronary circulation during nitranol therapy E A. Gruzina. Khim i med. no 16:61-64 '61.

Instruction for the clinical use of nitranol. Khim. i med no. 16 70-71 '61.

Nitranol and other new esters of nitric acid as coronary vasodilators M D. Mashkovskii, B.A.Medvedev Khim. i med. no 16:5-11 '61.

Nitranol therapy of patients with stenocardia. TS A. Levina. Khim. i med. no. 16:44-50 '61.

Pneumographic studies in disorders of coronary circulation during nitranol therapy. N.A.Vasil'eva. Khim. i med. no. 16-56-60 '61.

Therapeutic value of nitranol. V.IU.Ioffe, A.N.Garanian. Khim. i med. no. 16:25-29 '61.

Treatment of angina pectoris with nitranol. A.I. Bochenkova. Khim. i med. no. 16:37-41 '61.

Treatment of angina pectoris with nitranol. M.D. Zaikin and others. Khim. i med. no. 16:17-20 '61.

Treatment with nitranol of stenocardia. B.Kh.Akhmetova, G.N.Teregulov. Khim. i med. no. 16:67-70 '61.

Use of nitranol in stenocardia. Z.V.Osipova. Khim. i med. no. 16:15-17 '61.

Use of nitranol in the treatment and prevention of stenocardia. A.B.Shakhnazarov. Khim. i med. no. 16-41-44 '61.

NITRATION

Nitration of model lignin compounds: 1-veratryl-3-propanol and 1-guaiacyl-3-propanol. L.L.Sergeeva, N.N.Shorygina, B.V.Lopatin. Izv. AN SSSR Ser. khim. no. 7:1254-1260 Jl '64.

Petroleum products nitration unit. V. P. Kalashnikov, IU. N. Shakhter, A. L. Dol'berg. Neftoper. i neftekhim. no. 2:7-10 '64.

NITRIC ACID

Action of nitric acid on polybromophenothiazines C. Bodea, V. Forkashan, I. Oprean. Zhur. ob. khim. 34 no. 7:2369-2371 Jl '64.

Investigating the process of the production of concentrated nitric acid in an autoclave with reflux packing rings V I Atroshchenko and others Khim prom [Ukr] no 3 35-39 Jl-S '63

Kinetics of conversion of 6, 6-nitrohydroxyiminohexanoic acid to adipic acid. L. IA. Lubianitskii, R. V. Minati, M. S. Furman. Zhur. fiz. khim. 36 no. 3:567-574 Mr '62.

NITRILES

Catalytic reduction of dinitriles. L. Kh. Friedlin, T. A Sladkova. Usp khim 33 no 6:664-686 Je '64

NITRILIUM COMPOUNDS

Use of nitrilium salts in the synthesis of heterocyclic amino acids. Report No. 1: Derivatives of 3, 4-dihydroxy-1-isoquinolineacetic acid. S. G. Agbalian, A. O. Nshanian, L. A. Nersesian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1 77-85 '63.

NITRITES

Specific gravities and molar volumes of the ternary system consisting of the nitrites of sodium, potassium, barium. P. I. Protsenko, O. N. Shokina. Zhur. fiz. khim. 36 no. 3 474-479 Mr '62.

NITRO COMPOUNDS—ANALYSIS

Study on the interaction between secondary aromatic amines and aromatic nitro compounds by methods of physicochemical analysis N. K. TSvetkova. Trudy Astr tekh inst. ryb. prom i khoz no 8:14-24 '62.

NITRO GROUP

Effect of the structure of some derivatives of nitrobenzene on the catalytic reduction of the nitro group. A. V. Finkel'shtein, Z M. Kuz'mina. Dokl AN SSSR 158 no. 1 176-178 S-O '64.

Reactions of aromatic nitro compounds. Part 18: Mechanism of cleavage of a nitro group in symmetrical trinitrobenzene S.S.Gitis, I.G L'vovich. Zhur. ob. khim. 34 no 7:2250-2254 Jl '64

NITROBENZENE

Effect of the structure of some derivatives of nitrobenzene on the catalytic reduction of the nitro group. A. V. Finkel'shtein, Z. M. Kuz'mina. Dokl. AN SSSR 158 no. 1.176-178 S-O '64.

Reactions of aromatic nitro compounds. Part 18: Mechanism of cleavage of a nitro group in symmetrical trinitrobenzene. S.S.Gitis, I.G.L'vovich. Zhur. ob. khim. 34 no 7:2250-2254 Jl '64.

NITROGEN

Content of various forms of nitrogen and water-soluble carbohydrates in tobacco leaves topdressed with lithium. L. A Pzdakova, N. K Osmolovskaia. Nauch dokl. vys. shkoly, biol. nauki no. 3:135-137 '64.

Method for local destruction of subcortical formations of the brain by freezing with liquid nitrogen. E. I. Kandel', G. R. Kuparadze, A. V. Kukin. Fiziol. zhur. 49 no. 11:1378-1380 N '63.

Oxidation of atmospheric nitrogen in gas furnaces V F Kopytov, A. I Stezhenskii, O A Zagorovskii. Gaz prom. 9 no 7.26-29 '64

Role of the negative nitrogen ion N^- in the formation of the continuous spectrum of nitrogen and air plasmas G. E. Norman. Opt. i spektr 17 no. 2 176-178 Ag '64.

NITROGEN—ANALYSIS

Nitrogen solubility in iron-free slags. V.M.Kamyshov, O.A.Esin, S.K.Chuchmarev. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:24-28 '64.

NITROGEN FERTILIZERS

Effect of soil reaction on the effectiveness of slowly acting nitrogen fertilizers B G Blium Agrokhimiia no 1 83-88 Ja '64

Improving the physicochemical properties of ammonium chloride for its use as an effective nitrogen fertilizer V P Ratiuk Khim prom [Ukr] no 3:44-48 Jl-S '63

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN ISOTOPES

N^{15} inclusion into free amino acids and glutamine in the case of the assimilation of N^{15} ammonium by Candida tropicalis yeast. V.L.Kretovich, T L Auerman, Dokl. AN SSSR 157 no. 4:986-988 Ag '64.

NITROGEN METABOLISM

Effect of immunotherapy on nitrogen metabolism in thermal burns in dogs. N. A. Fedorov, V. V. L'vova, Pat. fiziol. i eksp. terap. 6 no. 4:28-34 Jl-Ag '62.

Transformation of nitrogenous substances in perennial wheat. S. M. Sokolova. Biul. MOIP. Otd. biol. 68 no. 3:76-81 My-Je '63

NITROGEN OXIDES

Course of the reaction between simplest X α-olefins and liquid nitrogen tetroxide. B F Ustavshchikov and others. Dokl AN SSSR 157 no. 1 143-146 Jl '64

Relation between the kinetics of the electric oxidation of nitrogen and the voltammetric characteristics of the electric discharge [with summary in English]. S. S. Vasil'ev, M. S. Solivokhina. Zhur. fiz. khim. 38 no. 2 361-367 F '64.

NITROGEN OXIDES—TOXICOLOGY

Comparative investigation of the toxicity of nitric oxide and nitrogen peroxide. V. P. Paribok, N. V. [illegible]skaia. Farm. i toks 25 no. 6:741-746 N-D '62.

NITROGLYCERIN

Effect of the high temperature zone of the gas phase on the combustion velocity of nitroglycerin powder [with summary in English]. A. A. Sulimov, A. I. Korotkov. Zhur. fiz. khim. 38 no. 2:331-333 F '64.

NITROSO GROUP

Interaction of the azide group with a nitroso group. L.A.Neiman, V.I.Maimind, M.M.Shemiakin. Izv. AN SSSR. Ser. khim. no. 7:1357 Jl '64.

NIZHNE-DNEPROVSK (DNEPROPETROVSK PROVINCE)—ELECTRIC EQUIPMENT INDUSTRY

Creative cooperation B. Altab'ov. Sov. profsoiuzy 20 no 15 30 Ag '64

NIZHNEILIMSK DISTRICT—AGRICULTURE

Characteristics of agricultural development in the [illegible] industrially developed regions of southern taiga [illegible] on the example of Nizhneilimsk District. V. [illegible], V. P Komarovskaia. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 1:49-57 '63

NOISE—PHYSIOLOGICAL EFFECT

Effect of a medium-frequency noise of varying intensity on attention. Z. F. Panaiotti. Izv. APN no. 1[illegible] 157 '63.

NOMOGRAPHY (MATHEMATICS)

Nomogram for the calculation of control throttle flaps in gas pipelines A. T. Hendik Gaz. prom 8 no 7: 38-39 '63.

Nomograms for solving problems of the statics of ground masses. N. K. Zvonarev. [Trudy] VNIMI no. 47:59-76 '62.

Uniqueness of a nomogram from aligned points with a single rectilinear scale. S. V. Smirnov Sib. mat. zhur. 5 no. 4 910-922 Jl-Ag '64.

NONDESTRUCTIVE TESTING

Technician Kuzmin's flaw detector. Av. i kosm. 47 no. 5 86 S '64.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS INGOTS

Gases in copper ingots and their determination. V. I Ziazev, M. N. Furasheva. Izv. AN SSSR. Met. i gor. delo no. 2.132-136 Mr-Ap '64.

NONFERROUS METAL INDUSTRIES

Efforts to produce more and a better quality of metal. I. I. Kostiukov. Metallurg 9 no 7:1-2 Jl '64

NONFERROUS METAL INDUSTRIES—ACCOUNTING

Introducing progressive practices in the planning and recording of the output of economical types of rolled products. I. G. Bukhvostov. Metallurg 9 no 5 27-28 My '64.

NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Modern equipment in nonferrous metallurgy N. A. Matova. Inform. biul. VDNKh no. 8:7-9 Ag. '63.

NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Metal for our country. A. Bunin. NTO 5 no. 12:8-9 D '63.

NONFERROUS METALS

Akademiia nauk SSSR. Laboratoriia osadochnykh poleznykh iskopaemykh. [Metals in sedimentary formations. ferrous metals, nonferrous light metals] Metally v osadochnykh tolshchakh; chernye metally, tsvetnye legkie metally. Moskva, Izd-vo "Nauka," 1964. 443 p

Ural'skii nauchno-issledovatel'skii institut mekhanicheskoi obrabotki poleznykh iskopaemykh. [Ore dressing practices for nonferrous, rare and noble metals] Praktika obogashcheniia rud tsvetnykh, redkikh i blagorodnykh metallov na fabrikakh SSSR. Moskva, Izd-vo "Nedra," 1964. 238 p.

NONFERROUS METALS—ELECTROMETALLURGY

Investigating the kinetics of the interaction of sulfides and oxides by the method anodic polarization. B. I. Sergin, O. A. Esin, B. M. Lepinskikh. Izv. AN SSSR. Met. i gor. delo no. 2:46-60 Mr-Ap '64.

NONFERROUS METALS—FOUNDING

Butalov, V. A., and L. V. Butalov. [Production and casting of nonferrous metal alloys] Proizvodstvo i lit'e splavov tsvetnykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 137 p.

NONFERROUS METALS—FOUNDING (Continued)

Gutiaev, B.B., O.N. Magnitskii, and A.A. Demidova. [Making castings of high-melting metals] Lit'e iz tugoplavkikh metallov. Moskva, Mashinostroenie, 1964. 291 p.

NONFERROUS METALS—METALLOGRAPHY

Investigating the dependence of mechanical properties on the characteristics of metal structure B.M Rovinskii, L.M. Rybakova. Fiz.met i metalloved 17 no.4:554-563 Ap '64.

NONFERROUS METALS—METALLURGY

Akademiia nauk SSSR. Kol'skii filial. Kirovsk. Institut khimii i tekhnologii redkikh elementov i mineral'nogo syr'ia. [Autoclave methods of processing mineral raw materials] Avtoklavnye metody pererabotki mineral'nogo syr'ia. Moskva, Izd-vo "Nauka," 1964. 39 p.

Bulatov, V.A., and L.V. Bulatov. [Production and casting of nonferrous metal alloys] Proizvodstvo i lit'e splavov tsvetnykh metallov. Moskva, Izd-vo "Metallurgiia," 1964. 137 p.

Continuous zinc removal from lead in a vacuum apparatus V S. Esiutin, Zh Sh Taziev G.V Kim Trudy Inst met.i obog AN Kazakh SSR 8 8-12 '63

Continuous zinc removal from lead under vacuum. G V Kim, V.S. Esiutin. Trudy Inst met i obog AN Kazakh. SSR 8 3-5 '63

Recovery of lead and zinc from complex metal ore mattes by sublimation in vacuum R A Isakova, V.N Nesterov A L Tseft Trudy Inst met i obog AN Kazakh.SSR 8 13-18 '63

NONMETALLIC MATERIALS

Mechanism of the removal of nonmetallic inclusions from drops of steel moving in slag V.V. Khlynov and others. Izv.AN SSSR. Met.i gor.delo no.2:26-30 Mr-Ap '64.

NONMETALLIC MINERALS

Conference on the improvement of the quarrying for nonmetallic minerals, N.Z Garmash. Met.i gornorud. prom. no.6:80-81 N-D '62.

NORADRENALINE IN THE BODY

Importance of catechol amines in the pathogenesis of neurogenic myocardial changes, I.K. Shkhvatsabaia, V.V. Men'shikov. Kardiologiia 2 no.6:27-30 N-D '62.

NORIL'SK REGION—MINING ENGINEERING

Distribution of support pressure during excavation in various directions, for the lower block of the "Zapoliarnyy" Mine. N.Z. Galaev. Zap.LGI 48 no.1:93-100 '63.

NORIO REGION—GEOLOGY, STRATIGRAPHIC

Boundary problems of the Oligocene and Miocene in the Gori-Norio region. I.V Kacharava Izv Geol ob-va Gruz. 1 no 1,3-15 '59.

NORPREGNENEDIONE

Syntheses based on strophanthidin. Part 1: Synthesis of 19-nor-11-deoxycorticosterone and 19-norprogesterone. M.B.Gorovits, N.K.Abubakirov. Zhur.ob.khim. 34 no.7:2456-2462 Jl '64.

NORTH AMERICA—CLIMATE

Synthetic method in climatological studies and its application in evaluating the climatic conditions of North America. C.Garbaliauskas. Trudy AN Lit. SSR. Ser. B no.1:199-208 '62.

NORTH ATLANTIC TREATY ORGANIZATION

Imperialist alliances in the atomic era. N.Talenskii. Mezhdunar.zhizn' 11 no.9:76-78 S '64.

Military expenditures of the countries of NATO for 15 years. A. Anisimov. Fin.SSSR 38 no 6:83-86 Je '64

The role of the European allies of the U.S. in the development of Western nuclear strategy. A.Slobodenko. Mezhdunar.zhizn' 11 no.9:82-84 S '64.

NORTH CAUCASUS ECONOMIC REGION—ACCOUNTING

Use the standard method in enterprises S.Litovko. Bukhg uchet 20 no.12 9-12 D '63.

NORTH CRIMEAN CANAL

On the course of the North Crimean Canal. Starsh.-serzh. no.7 24-25 Jl '64.

NORTH KOREA see Korea, North

NORTH STAVROPOL GAS FIELD

Conditions governing the development of the periphery sectors of the North-Stavropol gas field M L. Fish. Gaz.prom 9 no 7 5-7 '64.

NORTH STAVROPOL-PELAGIADI GAS FIELD—GAS, NATURAL—GEOLOGY

Analyzing the development of the Khadum gas pool in the North Stavropol-Pelagiadi gas field. A. L. Kozlov and others. Trudy VNIIGAZ no.19/27:5-23 '64.

Determining gas reserves from the drop in reservoir pressure. A.L.Kozlov and others. Trudy VNIIGAZ no.19/27:24-42 '64.

NORTHERN BAIKAL HIGHLAND—GEOLOGY

Stratigraphy and metamorphic zoning of the Upper Pre-Cambrian of the Northern Baikal Highland and Patom Plateau conjugated area, D.A. Velikoslavinskii, B.V. Petrov. Trudy Lab.geol.dokem. no.19:126-132 '64

NORTHERN CAUCASUS see Caucasus, Northern

NORTHWEST PASSAGE

Modern significance of the Canadian Arctic Archipelago and the Northwest Passage V A Nefedov Izv Vses geog ob-va 96 no 3 250-254 My-Je '64

NORWAY—DESCRIPTION AND TRAVEL

In the far North B.Galanov. Nov.mir 40 no.2:273-275 F '64.

NORWEGIAN SEA—HERRING

Echometric survey of herring schools in the Norwegian Sea in 1962 M D Truskanov, M N Shcherbino Mat rybokhoz issl Sev bas no 1 6-10 '63

NORWEGIAN SEA—HERRING FISHERIES

Herring fisheries in the summer of 1962 in the Norwegian Sea and prospects for the June-August months of 1963. IU.K Benko Mat rybokhoz issl Sev bas no 1 10-13 '63

NORWEGIAN SEA—OCEAN TEMPERATURE

Temperature regime of the Nowegian and Greenland Sea L V.Khmelevskaia Trudy Inst okean 72 167-177 '63

NOTARIES

Certain problems of the improvement of the Notaries Act. I.N.Bondarev. Sov.gos.i pravo 34 no 7:107-114 Jl '64.

Notarial practice. Sov.iust. 28 no.7:31 Ap '64.

NOVGOROD-SEVERSKIY (UKRAINE)—THEATER

Nezhin premiere. A.Fomichev Teatr 24 no.8:96 Ag '63

NOVIKOV-PRIBOI, ALEKSEI SILYCH, 1877-1944

An unforgettable meeting a long time ago I. Vasil'ev Starsh -serzh no.7:7 Jl '64

NOVO-YELKHOVSKOYE OIL FIELD—PETROLEUM GEOLOGY

Geological structure and the oil potential of the terrigenous Devonian sediments of the Novo-Yelkhovskoye oil field in the Tatar A.S.S R P.A Krashena Geol nefti i gaza 7 no 12 23-25 D '63

NOVOCAINE

Effect of novocaine on immunogenesis. N.N. Klemparskaia. Biul.eksp.biol.i med. 55 [i.e.56] no.10.77-81 O '63.

Restoration of coronary blood circulation during the acute period of experimental myocardial infarct H.A. Heine. Vestsi AN BSSR.Ser.biial.nav. no.4:74-79 '63.

NOVOCAINE—TOXICOLOGY

Comparative toxicity of trimecaine and novocaine administered by different methods. N.A.Sharov. Farm.i toks. 25 no.6:731-732 N-D '62.

NOVOCHERKASSK—ELECTRIC LOCOMOTIVES

Operational production planning at the Electric Locomotive Plant in Novocherkassk G.V Atavina. Mashinostroitel' no.6:39-42 Je '64.

NOVOROSSIYSK (KRASNODAR TERRITORY)—RAILROADS—REPAIR SHOPS

Mechanization of operations. G.M. Mikhailov, V.I Agibalov. Zhel.dor.transp. 46 no.1:72-75 Ja '64.

NOVOSIBIRSK—BALLET

Ballet too, N.Chernova. Teatr 24 no.12:42-46 D '63.

NOVOSIBIRSK—MILITARY MUSEUMS

Museum of military glory of Siberian soldiers, G.Rusinov. Voen.-ist.zhur 5 no.4:116-119 Ap '63.

NOVOSIBIRSK—THEATER

Novosibirsk opera. A.Zolotov. Teatr 24 no.12:34-41 D '63.

NOVOSIBIRSK—UNIVERSITIES AND COLLEGES

University at the Siberian Science Center. I.N. Vekua. Vest.AN SSSR 34 no 6 12-20 Je '64

NOVOSIBIRSK PROVINCE—INDUSTRIAL MANAGEMENT

Economics of new enterprises V.S.Sominskii, T.A. Sil'chenko. Izv.SO AN SSSR no.5.Ser obshchestv.nauk no.2:3-6 '63.

NOVOSVOBODNAYA (KRASNODAR TERRITORY)—ANTIQUITIES

Popova, T.B. [Dolmens of the Novosvobodnaya village] Dol'meny stanitsy Novosvobodnoi. Moskva, 1963. 93 p. (Moscow. Gosudarstvennyi istoricheskii muzei. Pamiatniki kul'tury, no.34)

NOZZLES

Stabilization of a flame by opposing streams. S.A.Gol'denberg. Teplofiz.vys.temp. 2 no.3:344-350 My-Je '64.

NUCLEAR COUNTERS

Ionization fluctuations in low-pressure proportional counters E O Agasian, G.A Marikian Izv AN Arm SSR Ser fiz-mat.nauk 16 no.6:125-130 '63

Time resolution of semiconductor detectors of charged particles. I.A.Baranov, M.B Blinov, N.M.Kazarinov Izv.AN SSSR.Ser.fiz 28 no.7:1257-1258 Jl '64.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom.tekh za rub 6 no 7 '64

[Russian-Czech dictionary on nuclear physics and engineering] Russko-cheshskii slovar' po iadernoi fizike i tekhnike. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 303 p.

NUCLEAR FISSION

Some types of fission chambers I A L'vitsyna Trudy inst Kom stand, mer i izm prib no. 69 81-85 '62

Time resolution of semiconductor detectors of charged particles I.A.Baranov, M.B.Blinov, N.M.Kazarinov. Izv.AN SSSR.Ser fiz. 28 no.7:1257-1258 Jl '64.

NUCLEAR FUELS

Determining the optimum extent of burnup and the energy content of nuclear fuels by the cost accounting method IU I Koriakin, V V Batov, V G Smirnov Atom energ 17 no 2 94-97 Ag '64

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Nuclear magnetic resonance of protons at 93°K in water adsorbed on silica gel V I Kvlividze Dokl AN SSSR 157 no 1:158-161 Jl '64

Proton magnetic resonance spectra of some metallo-organic compounds of silicon and germanium. A N. Egorochkin and others. Izv.AN SSSR.Ser khim no 7:1312-1313 Jl '64.

Proton magnetic resonance spectra of terpene phenols prepared by condensation of camphene with phenol and cresols V.F.Bystrov and others Zhur ob khim 34 no.7:2476-2477 Jl '64

NUCLEAR MODELS

Comparative evaluation of two variants of the solution to the problem of electron distribution in the statistical model of the atom V M. Klechkovskii Izv vys ucheb.zav., fiz. no.4:47-53 '64.

NUCLEAR PHYSICS

Cybernetic characteristics of measuring systems in nuclear physics. S.S.Kurochkin Nauch.-tekh.sbor. Gos.izd-va lit.v obl.atom.nauki i tekh. no.6.53-75 '63.

Principal metric characteristics of multichannel measuring systems for nuclear physics S.S. Kurochkin, Nauch.-tekh sbor Gos izd-va lit.v obl.atom.nauki i tekh no.6 6-26 '63.

[Russian-Czech dictionary on nuclear physics and engineering] Russko-cheshskii slovar' po iadernoi fizike i tekhnike. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 303 p.

Some applications of queueing theory in experimental nuclear physics. S.S.Kurochkin. Nauch.-tekh.sbor. Gos.izd-va lit.v obl.atom.nauki i tekh. no.6 38-49 '63.

NUCLEAR PHYSICS—RESEARCH

Studies with the nuclear reactor completed by Leningrad scientists D.M.Kaminker Vest AN SSSR 34 no 7 60-73 Jl '64.

NUCLEAR REACTIONS

Gamma-ray spectrum from the reaction $Fe^{56}(n,\gamma)Fe^{57}$. L.V.Groshev and others. Izv.AN SSSR.Ser.fiz 28 no.7:1234-1243 Jl '64.

Gamma rays and internal conversion electrons from the reaction $Hf^{177}(n,\gamma)Hf^{178}$. L.V.Groshev and others. Izv.AN SSSR.Ser.fiz. 28 no.7:1244-1254 Jl '64.

P^{30} levels manifesting themselves in the $Si^{29}(p,p)Si^{29}$ reaction. V.E.Storizhko, A.I.Popov. Izv.AN SSSR Ser.fiz. 28 no.7:1152-1155 Jl '64.

Method of associated particles. V T.Shchebolev. Trudy inst Kom stand, mer i izm prib no 69:86-94 '63

Some characteristics of the reaction of quasi-elastic knocking out of nucleons and deuterons from nuclei of the 1d - 2s-shell. N.S.Zelenskaia, IU.F.Smirnov. Izv.AN SSSR.Ser.fiz. 28 no.7:1220-1228 Jl '64.

Studying the lower states of Ge^{74}, Se^{78}, Zr^{93}, and Zr^{95} with the aid of stripping reactions. N.I.Zaika, O.F. Nemets, A.M.IAsnogorodskii. Izv.AN SSSR.Ser.fiz. 28 no.7:1160-1163 Jl '64.

Studying the lower states of Si^{28} observed in the $Al^{27}(\alpha, t)Si^{28}$ reaction. O.F.Nemets, A.T.Rudchik, V.A. Usik. Izv.AN SSSR.Ser.fiz. 28 no.7:1164-1168 Jl '64.

NUCLEAR REACTORS

Optimum conditions for reactor shutdown. IU.P.Petrov Atom.energ. 17 no.2.144-145 Ag '64.

A possible approach in investigating the behavior in time of neutron fluxes from a reactor in an approximation under the perturbation theory. G.V.Shishkin. Dokl. AN BSSR 8 no 2:94-96 F '64.

Stability regions of the control circuit for a cold reactor. Pavel Styrsky. Atom energ 17 no 2:97-102 Ag '64.

Studies with the nuclear reactor completed by Leningrad scientists D.M Kaminker. Vest.AN SSSR 34 no.7:60-73 Jl '64.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: Iad. reak. no 8 Ag '64.

NUCLEAR REACTORS—MATERIALS

Di[illegible] materials for control rods of [illegible] reactors. [illegible] and others. Atom. energ. 17 no 2 [illegible] Ag '64.

Theoretical and experimental studies on the efficiency of absorbing [illegible] rods in a reflected reactor. N N [illegible] Atom. energ. 17 no 2 [illegible]-177 Ag '64.

NUCLEAR RESEARCH see subdivision under Dubna

NUCLEAR SHELL THEORY

Calculation of matrix elements of the energy operator in the case of one electron outside the quasi-closed shell. S Z [illegible], J Vizbaraite, A Jucys. Trudy AN Lit SSR. Ser. B no 1 3-15 '62.

Effect of the structure of internal electron shells on the distribution of elements in the D.I. Mendeleev periodic system. V.K. Grigorovich. Trudy Inst. met. no.14 [illegible]-237 '63.

NUCLEAR SPIN

[illegible] with spin waves. Part 2. B Kh [illegible]. Fiz. met. i metalloved. 17 no 5 641-[illegible] My '64.

Spin relaxation in Brownian rotation of paramagnetic [illegible]. [illegible] K A Valiev. Izv. vys. ucheb. zav.; fiz. no 4 [illegible]-93 '64.

Steady-state and pulse methods of studying the nuclear quadrupole resonance. I A Safin, B N Pavlov, D IA Shtern. Zav. lab. 30 no 6 676-684 '64.

Temperature dependence of the damping rate of spin waves. G A Petrakovskii, F P Naiden, I K Pukhov. Izv. vys. ucheb. zav.; fiz. no 4 65-71 '64.

Theory of the superfluidity of atomic nuclei. B.L. Birbrair. Izv AN SSSR. Ser. fiz. 28 no.7:1185-1187 Jl '64.

Three-quasi-particle states in deformed nuclei. N I. Piatov, A.S. Chernyshev. Izv. AN SSSR. Ser. fiz. 28 no.7:1173-1180 Jl '64.

NUCLEASES

Studying the effect of nucleases on the capacity of the influenza virus for the reaction of hemagglutination. T G Kitaeva. Izv. Sib. otd. AN SSSR no 7 106-10[illegible] '6[illegible]

NUCLEI, ATOMIC

Excited states of nonaxial odd atomic nuclei. V.V Pashkevich, R A. Sardarian. Izv. AN SSSR Ser. fiz. 28 no.7:1188-1202 Jl '64.

NUCLEIC ACIDS

Changes in depolymerase activity of nucleic acids in rats with transplantable tumors under the influence of ethylenimine derivatives. V. A. Chernov, Zh. F. Presnova. Vop. onk. 9 no. 6.70-78 '63.

Characteristics of the nucleotide composition of DNA of the perinucleolic chromatin. I B Zbarskii, L P Ermolaeva, N. G Khrushchov. Dokl AN SSSR 157 no 1 175-177 Jl '64

DNA decay caused by radiation as an experimental model for the evaluation of the efficiency of radioprotective substances. K E. Kruglakova and others. Dokl AN SSSR 157 no 4:979-981 Ag '64

Diagram of an "unusual" coupling of complementary bases in DNA. V.I. Danilov, IU A. Krugliak. Dokl. AN SSSR 157 no 4:985 Ag '64.

Effect of acid extraction of nucleic acids on the extent of ultraviolet ray scattering by sections of certain tissues. V.G. Vladimirov, V.I. Sharobaiko. TSitologiia 5 no. 4:466-469 Jl-Ag '63.

Inhibition of the reproduction of tobacco mosaic virus by the products of the enzymatic digestion of nucleic acids of different origin. G S. Nikiforova. Dokl AN SSSR 157 no.4.989-991 Ag '64

Isolation of individual fractions of transfer ribonucleic acids by using polyacrylhydrazide agar gel. L IU. Frolova and others. Dokl. AN SSSR 158 no.1 235-238 S-O '64

Kinetics of biosynthesis. M V. Vol'kenshtein and others. Biofizika 8 no 1:3-9 '63

Localization of ribonucleic acid in the lymph node cells. I.I. Kositsyn. Arkh. anat., gist. i embr. 43 no. 8.88-95 Ag '62.

Metabolic heterogenicity of messenger RNA from Ehrlich ascitic cancer cells. G. P. Georgiev, M. I. Lerman. Vop. med. khim. 9 no. 2:218-220 Mr-Ap '63.

The nature of "superpolymeric" deoxyribonucleic acid. V A Struchkov. Biofizika 7 no 5:538-550 '62.

Nucleic acid content in Escherichia coli of different radioresistance. V.D. Zhestianikov. Dokl. AN SSSR 157 no 4 975-978 Ag '64.

Problem of the quasi-single-spiral state of deoxyribonucleic acid in the deoxyribonucleoprotein complex; mechanism of DNA reduplication. D M Spitkovskii. Biofizika 8 no 1 140-141 '63.

RNA carrier and code of hereditary information. V. G Tumanian, N G Esipova, N. S. Andreeva. Biofizika 8 no. 1 124-125 '63

Single-strand infectious DNA of a small intestinal bacteriophage. B N Il'iashenko, O N. Rudchenko. Dokl AN SSSR 157 no. 1 198-200 Jl '64

Some physicochemical aspects of single-strand DNA. N I Riabchenko, D M Spitkovskii, P I TSeitlin. Biofizika 8 no 1 19-27 '63

Specific interaction of purines and pyrimidines in the nucleic acid chain. B I Sukhorukov, G I Maikhanov. Biofizika 8 no 1:131-132 '63

Studying the interaction of deoxyribonucleic acid with Acridine Orange by the method of polarized luminescence. E. V. Anufrieva, M V. Vol'kenshtein, T. V. Sheveleva. Biofizika 7 no. 5:554-560 '62

Theoretical considerations concerning the effect of different factors on the thermal denaturation of DNA. M D Frank-Kamenetskii. Dokl AN SSSR 157 no 1 187-190 Jl '64

Theory of helix-coil transitions in biopolymers; titration curves of polynucleotides during the helix-coil transition. T M. Birshtein. Biofizika 7 no 5:513-522 '62

Thermal denaturation of DNA as related to the p^H value. B I. Sukhorukov, V N. Lystsov, IU. Sh Moshkovskii. Biofizika 7 no 5:551-553 '62.

NUCLEIC ACIDS—THERAPEUTIC USE

Effect of ribonucleic acid on the growth of tumor cells. V.A. Artamonova, T.I. Tikhonenko, T.D. Morgunova. Vop onk 10 no 3:22-26 '64

NUCLEONS

Some characteristics of the reaction of quasi-elastic knocking out of nucleons and deuterons from nuclei of the 1d - 2s-shell. N S. Zelenskaia, IU. F. Smirnov. Izv. AN SSSR. Ser. fiz. 28 no.7:1220-1228 Jl '64.

NUCLEOPROTEINS

Problem of the quasi-single-spiral state of deoxyribonucleic acid in the deoxyribonucleoprotein complex, mechanism of DNA reduplication. D. M Spitkovskii. Biofizika 8 no 1:140-141 '63

Quantitative and qualitative changes in nuclear and cytoplasmatic proteins in the secretory cycle of the extraorbital gland in rats. An interferometric and cytospectrophotometric study. V IA Brodskii. Dokl AN SSSR 157 no 1 171-174 Jl '64

NUCLEOTIDES

Photochemistry of reduced pyridine nucleotides and N-benzylnicotinamide. A. A. Krasnovskii, G. P. Brin. Dokl. AN SSSR 158 no. 1 225-228 S-O '64.

Synthesis of nucleotidyl (P-N)-phenylalanine by the pyrosphosphate technique. O. E. Vorob'ev, Z. A. Shabarova, M. A. Prokof'ev. Dokl. AN SSSR 158 no. 1:143-146 S-O '64.

NUMBERS, THEORY OF

Correlation between systems and numbers. G. M Mamardashvili. Trudy GPI [Gruz.] no. 4 133-134 '62

Use of generalized characteristic numbers in studying the stability of the stationary point. IU. S. Bogdanov. Dokl AN SSSR 158 no. 1 9-12 S-O '64.

NUMERICAL CALCULATIONS

Present-day mathematical methods in hydrology. L. S. Kuchment. Meteor i gidrol no 7 37-40 Jl '64

NUMMULITIDAE, FOSSIL see subdivision under Talysh Mountains

NURATAU—DIABASE

Diabases and spilites from northern Nuratau as raw materials for the production of mineral wool. O. A. Mikhailiants and others. Sbor. nauch. trud. NII po stroi. ASiA no. 4:72-77 '63.

NURATAU—PETROLOGY

Mixed-layered phase of the Silurian phyllitized shales of the Nuratau. N. V. Logvinenko. Dokl. AN SSSR 157 no. 4:996-999 Ag '64.

NURATAU—SPILITES

Diabases and spilites from northern Nuratau as raw materials for the production of mineral wool. O. A. Mikhailiants and others. Sbor. nauch. trud. NII po stroi. ASiA no. 4.72-77 '63.

NURSES AND NURSING

Manevich, A. Z., and V. A. Mikhel'son. [Fundamentals of anesthesia, manual for nurse-anesthetists] Osnovy narkoza; posobie dlia sester-anestezistov. Pri uchastii sester-anestezistov N. G. Krivenko i N. E. Medvedkovoi. Moskva, Meditsina, 1964. 162 p. (Biblioteka srednego medrabotnika)
(DNLM)

NUTATION

Causes of the spurious "bifurcation" of the period of the earth's free nutation. E. P. Fedorov, IA. S. IAtskiv. Astron. zhur. 41 no.4:764-768 Jl-Ag '64.

Determining corrections to the coefficients of the half-yearly nutation member by the declination. V. V. Nesterov. Soob. GAISH no. 134:17-20 '64.

Diurnal free nutation from the observations in Gorkiy. S. G. Kulagin, L. D. Kovbasiuk. Astron. zhur. 41 no.4:758-759 Jl-Ag '64.

NUTRITION

Biochemical basis for developing products with increased biological value. A. A. Pokrovskii. Vop. pit. 23 no.1:3-16 Ja-F '64.

Dietary factor and endemic goiter. A. I. Shtenberg, IU. I. Okorokova, IU. N. Eremin. Usp. sovr. biol. 55 no. 2:255-276 Mr-Ap '63.

Nutrition and health of people performing night work for long periods of time. S. Hojda, L. Krzikova. Vop. pit. 23 no.1:33-36 Ja-F '64.

NUTRITION—RESEARCH

Symposium on the methods used in studying the nutrition and health of the population. A. N. Andriasov. Vop. pit. 23 no.1:90-94 Ja-F '64.

NUTRITION SURVEYS
(see also subdivision under Yemen)

Akademiia meditsinskikh nauk, Moscow. Institut pitaniia [Manual for studies on the nutrition and health of the population] Rukovodstvo po izucheniiu pitaniia i zdorov'ia naseleniia. Pod red. A. A. Pokrovskogo. Moskva, Meditsina, 1964. 279 p.
(DNLM)

NYLON

Morphological characteristics of a stabilized capron fiber. V. O. Gorbacheva and others. Khim. volok. no. 3:19-20 '64.

Obtaining capron powder from capron crumbs. V. F Cherevatkin, A. P. Il'in, A. I. Mikhailov. Vest. mashinostr. 43 no. 12:36-37 D '63

Using capron in the manufacture of the parts of gas-driven compressors. B. S. Petrovskii. Gaz. prom. 9 no. 4:27-30 '64.

OAK
(see also subdivision under Bashkiria; Karatakh Range; White Russia)

Effect of oak plantations on the humus content of dark Chestnut and Ciscaucasian Chernozem soils. V. A. Mel'chanov. Pochvovedenie no. 7:54-59 Jl '64.

OAK—DISEASES AND PESTS see subdivision under Voronezh Province

OB' RESERVOIR—UNDERWATER PIPELINES

Laying underwater pipelines by the free immersion method. P. L. Tereshchenko, N. F. Storozhev. Trans. stroi. 13 no. 10:28-31 O '63.

OB' VALLEY—NATURAL RESOURCES

Comprehensive development of the natural resources of the northern part of the Ob' Basin. D. V. [illegible]. Izv. AN SSSR. Ser. geog. no. 4:67-78 '64

OB' VALLEY—TERRACES (GEOLOGY)

Surface relief development of river terraces and the symptoms of river bed erosion; based on the example of the upper Ob'. N. I. Makkaveev, R. S. [illegible]. Izv. AN SSSR. Ser. geog. no. 4:120-126 '64.

OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956

Vladimir Afanas'evich Obruchev and his role in the development of geological science; on the centenary of his birth. V. A. Varsanof'eva. Biul. MOIP. Otd. geol. 38 no. 6:120-146 N-D '63.

OBSESSIONS

Activating psychotherapy in the neurosis of obsessive states. N. V. Ivanov. Trudy Gos. nauch.-issl. inst. psikh. 40:260-274 '63.

Problem of the genesis of obsessive states. [illegible]. Trudy Gos. nauch.-issl. inst. psikh. 40:[illegible] '63.

OBSTETRICS

Bodiazhina, V. I. [Manual of obstetrics] Uchebnik akusherstva. 3. izd., dop. Moskva, Meditsina, 1964 461 p.
(DNLM)

Course of pregnancy, labor and the puerperium in conditions of mass immunization with staphylococcal anatoxin. V. K. Prorokova, M. A. Turdakova. Akush. i gin. 40 no.1:38-40 Ja-F '64.

Height of the pelvis as an additional obstetrical measurement. O. N. Aksenova. Akush. i gin. 40 no.1:[illegible] Ja-F '64.

OBSTETRICS—EQUIPMENT AND SUPPLIES

Abortion and excerebration with a vacuum extractor of Soviet construction. V. S. Lesiuk. Akush. i gin. 40 no.1:136 Ja-F '64.

Delivery using a vacuum extractor. K. V. Chachava. Akush. i gin. 40 no.1:86-91 Ja-F '64.

Review of K. V. Chachava's book "Vacuum-extractor in obstetrics". M. S. Malinovskii. Akush. i gin. 39 no. 5:154-155 S-O '63.

State of the newborn following vacuum extraction determined by immediate and remote observations. I. N. Medvedeva. Akush. i gin. 40 no.1:91-95 Ja-F '64.

OBSTETRICS—SURGERY

Review of H. Martius' book "obstetric surgery, its execution and application" [in German]. E. M. Vikhliaeva. Akush. i gin. 39 no. 5:157 S-O '63

OCCIDENTAL CIVILIZATION see Civilization, Occidental

OCCUPATIONAL DISEASES
(see also subdivision under Armenia)

Vol'fovskaia, R. N. [Preliminary and periodical examinations of workers] Predvaritel'nye i periodicheskie meditsinskie osmotry rabochikh. [Leningrad] Meditsina, 1964. 129 p. (Biblioteka sanitarnogo vracha) (DNLM)

OCCUPATIONAL THERAPY

Experience with industrial employment of schizophrenic patients in the state of remission or intermission. Report No. 1. S. Z. Pashchenkov. Zhur. nevr i psikh. 63 no. 9 1406-1410 '63.

OCEAN—MAPS

Sea atlas. L. A. Demin. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no. 1;4-16 '61

OCEAN CURRENTS

Turbulent mixing of waters in the case of tidal currents. V. F. Shapkina Izv AN SSSR Ser geofiz no 8·1223-1231 Ag '64

OCEAN TEMPERATURE see subdivision under Atlantic Ocean, Norwegian Sea

OCEAN WAVES

Shifting of a pipeline lying freely on the bottom under the action of hydrodynamic forces when the sea is agitated. I. P. Kuliev and others. Azerb. neft. khoz. 42 no. 6 41-43 Je '63.

OCEANOGRAPHY
(see also subdivision under Black Sea; Caspian Sea)

Aerodynamic roughness of the sea surface O A Kuznetsov. Trudy Inst okean 72 114-138 '63

Reflection of direct radiation from the sea surface. IU R Mullamaa. Izv AN SSSR. Ser. geofiz no. 8·1232-1246 Ag '64

"Works on oceanography" (GDR). V. M. Lifshits. Meteor. i gidrol no 6 50 Je '64

OCHAB, EDWARD, 1906-

People and events: Asgeir Asgeirsson, Edward Ochab. Nov. vrem. 22 no. 34·9, 15 Ag '61.

OCHAKOV (NIKOLAYEV PROVINCE)—BRICKMAKING

Operation of the Ochakov brick yard on natural gas. G. G. Kozyrev. Gaz prom 7 no 9:32-28 '62

OCHAKOV (NIKOLAYEV PROVINCE)—GAS AS FUEL

Operation of the Ochakov brick yard on natural gas. G. G Kozyrev Gaz prom 7 no 9:32-20 '62

OCTANE

Viscosity of liquid and gaseous n-heptane and n-octane at high pressures and different temperatures. N. A. Agaev, I. F. Golubev Gaz. prom 8 no 7;60-63 '63

OCTYL ALCOHOL

Oxidation of cinnamic acid octyl esters. A. K. Plisov, O. S. Stepanova. Nauch. ezhegod. Khim. fak. Od un no. 2 99-102 '61.

ODESSA—CLOTHING INDUSTRY

Two years of work of the "Vorovskoi" Clothing Combine in Odessa. N. I. Katsnel'son. Shvein. prom. no. 2:15-19 Mr-Ap '64.

ODESSA—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

How can it be done better? V. Kapyrin. Part. zhizn' no. 12:42-43 Je '64.

ODESSA—HARBOR

Determining the optimal level of using the production capacity of harbors. M. A. Miliukov. Ekon. i ekspl. mor. transp. no. 1;47-54 '63.

ODESSA—HEATING—SPECIFICATIONS

Heat supply: Exterior networks. Regulations for the construction work organization, execution of work, and the acceptance of completed work Biul stroi. tekh. 20 no. 12 10-11 D '63.

ODESSA—SOCIALIST COMPETITION

At the source of the communist forms of labor in Odessa. R. I. Marder. Trudy kaf. obshchestv. nauk OEIS no. 3: 138-153 '62.

ODESSA—THEOLOGICAL SEMINARIES

End of the academic year at the Odessa Theological Seminary. A. Kravchenko. Zhur. Mosk. Patr no 8 20-22 '64.

ODESSA, BATTLE OF, 1944

Exploit of the liberators of Odessa. S. Khromov. Komm. Vooruzh. Sil 4 no. 7:84-86 Ap '64.

[Fighters recall past days...] Boitsy vspominaiut minuvshie dni.... Odessa, Maiak, 1964. 308 p.

ODESSA PROVINCE—CLAY

Adsorption of hydrogen sulfide by grey-green clays of Odessa Province. G. E. Dmitrievskii, A. V. Grineva, V. V. Pilipenko. Nauch. ezhegod. Khim. fak. Od. un. no. 2:38-40 '61.

Filtering and absorptive properties of Odessa green clays O. K. Davtian, S. I. Burshtein, Ri Bok Sun Nauch. ezhegod Khim. fak Od un no. 2 123-125 '61.

ODESSA PROVINCE—COLLECTIVE FARMS

Attaining a higher level of organizational and political work. V Bondarenko. Komm. Ukr. 39 no. 5·58-66 My '64

ODESSA PROVINCE—CONSTRUCTION INDUSTRY—FINANCE

Introduce more widely the financing of capital investments from centralized accounts Sh. Bulushev, I Marinich Fin SSSR 38 no 6;47-50 Je '64.

OFFENSES AGAINST SOCIALIST PROPERTY

Certain problems concerning the qualification of the offense of taking socialist property G. Kriger Sov. iust. 28 no 7 8-10 Ap '64.

OFFICE EQUIPMENT AND SUPPLIES

Automation of engineer's work. N. Bolgarov NTO 6 no. 5;16-18 My '64

OGAREV, NIKOLAI PLATONOVICH, 1813-1877

Freedom of the people was the ideal of N. P. Ogarev's life and struggle. N. G. Tarakanov. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1·87-93 '64.

From the history of the Russian liberal thought in the sixties of the 19th century L A Kogan Vop filos. 18 no. 6,110-117 '64

OIL FIELD BRINES
(see also subdivision under Artem Island, Bibieybat Oil Field; Kuybyshev Province; Pripet Valley)

Geostatic pressure in a water-bearing bed. I. IA Davydov. Izv. AN Turk. SSR. Ser. fiz. -tekh., khim. i geol nauk no. 2;119-120 '63.

Nozzle for washing away salt and the preparation of saturated solutions. V G. Dzema Mash i neft. obor no. 2;48 '63.

Studying irreducible water in oil and gas reservoir rocks. A. A. Khanin, O. F. Korchagin. Trudy VNIIGAZ no. 20/28;41-64 '64.

OIL FIELD FLOODING
(see also subdivision under Apsheron Peninsula; Chechen-Ingush A. S. S. R.; Daghestan; Konstantinovka Oil Field; Lower Volga Economic region; Romashkino Oil Field; Thuringia; Tuymazy Oil Field)

Calculating the water encroachment of water-oil contact pools in stratified nonuniform reservoirs. N. K. Pravednikov. Nauch. -tekh. sbor. po dob. nefti no. 17.51-56 '62.

Determining the ultimate yield and analyzing the results of edge water flooding of beds with conditions approaching those of the water drive. G. P. Guseinov and others. Azerb. neft. khoz. 43 no. 3;22-23 Mr '64

Effect of the relationship between the thicknesses of interlayers varying in permeability on water flooding. I. A. Safarov. Nauch. -tekh. sbor. po dob. nefti no. 19: 48-53 '63.

Effect of well conditions on pool flooding. K. IA. Korobov, M. M. Glogovskii Izv. vys. ucheb. zav., neft' i gaz 5 no. 10;109-113 '62.

Hydrodynamic study of the flooding process of a well line. K. N. Dzhalilov. Dokl. AN Azerb. SSR 19 no 9 9-13 '63.

Investigation of wells with deep-well flow meters of the Ufa Petroleum Scientific Research Institute. I. A. Fakhreev. Nefteprom. delo no. 4:30-32 '63.

New method for investigating circulation loss in drilling. B M. Kurochkin, R. A. Khabibullin. Neft khoz 42 no. 6 58-62 Je '64

Regularities in the flooding of linear well lines. K. N. Dzhalilov, IA. R. Rustamov. Azerb neft. khoz. 43 no. 3;24-25 Mr '64.

Relative reservoir-boundary method. E. B. Chekaliuk. Nauch. -tekh. sbor. po dob. nefti no. 17;28-33 '62.

Reservoir oil yield depending on the volume of water passed through the pool. V. S. Melik-Pashaev, M. N. Kochetov, V. R. Lisunov. Geol. nefti i gaza 7 no. 11:23-28 N '63.

Studying the mobility of residual water in a laminated porous medium. A. F. Bogomolova, V. M. Glazova. Izv. AN SSSR. Mekh. i mashinostr. no. 4:180-184 Jl-Ag '64.

Temperature field of a stratum engendered by injecting a heat transfer agent into it. M. A. Pudovkin. PMTF no. 2:169-175 Mr-Ap '64.

Time of water inrush to a straight-line of wells. L. G. Kogan. Nauch. -tekh. sbor. po dob. nefti no. 19:20-25 '63.

Water flooding of oil from fractured and porous reservoir rocks E. S Romm Trudy VNIGRI no. 228·180-189 '64.

OIL FIELDS—EQUIPMENT AND SUPPLIES

Investigating the operation of veneer pipes in oil fields. M. S. Arutiunov, Sh. A. Adamian. Nefteprom. delo no. 7;26-29 '64.

OIL HYDRAULIC MACHINERY

Use of hydraulic torque converters in drilling rigs. V. L. Arkhangel'skii. Mash. i neft. obor. no. 2;11-18 '63.

OIL INDUSTRIES
(see also subdivision under Arkadak, Saratov Province)

In the Scientific and Technological Council V V Bukharin Masl-zhir. prom. 30 no. 7:46-47 Jl '64

Specialization, concentration, combination and cooperation in the oils and fats and perfumery-cosmetics industry. V. K Rubtsov, A L. Koltypin Masl-zhir prom. 30 no. 7·1-4 Jl '64.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

Testing of technological equipment. G I Baglai Masl-zhir prom. 30 no. 7;34-35 Jl '64

OIL RECLAMATION

Decrease in the aeration of turbine oil. S G. Smel'nitskii, V. N. Kazanskii, P. A. Ruchnov Elek sta. 35 no 5 84-85 My '64

RM-100 oil-reclaiming unit P I Pashkin, I V Brei, A A Kiselev Nefteper. i neftekhim no 8 22-27 '63

OIL RESERVOIR ENGINEERING
(see also subdivision under Kuybyshev Province; Siberia, Western)

Approximate solution of a problem concerning the nonsteady motion of viscoplastic fluids G. T. Gasanov Azerb. neft khoz. 43 no. 2;16-18 F '64

Approximate solution of the problem on fluid flow toward a well in a nonhomogeneous aquifer. V. A. Berkun. Inzh. zhur. 4 no. 2:342-346 '64.

Calculating reservoir discontinuity in programming the development of a round pool. IU. P. Borisov, Z. K. Riabinina. Trudy VNII no. 40 271-281 '63.

Calculating the water encroachment of water-oil contact pools in stratified nonuniform reservoirs. N. K. Pravednikov. Nauch. -tekh. sbor. po dob. nefti no. 17:51-56 '62.

Calculations of the flow of gassy oil M T Abbasov, O. A Mamedov. Dokl. AN Azerb. SSR 19 no 3;19-22 '63

Comparison of certain theoretical solutions of the problem of water-oil contact displacement with experimental data. A. Kh. Fatkullin. Nauch. -tekh. sbor. po dob. nefti no. 17:22-28 '62.

Determination of reservoir parameters from research data on the nonstationary flow of gas cut fluid. A A Bokserman, F IA. Zazovskii, S G. Kamenetskii. Nauch. -tekh. sbor. po dob nefti no. 19.34-39 '63

Determination of reservoir parameters on the basis of well test data obtained by a tester. E B Chekaliuk. Nauch. -tekh. sbor. po dob. nefti no. 19 64-70 '63.

Determination of the anisotropy factor of a reservoir with bottom water and a gas cap. A. K. Kurbanov, P. B. Sadchikov. Nauch. -tekh. sbor. po dob. nefti no. 19 25-28 '63.

Determination of the mean parameter values of a uniform elastic reservoir using electric models. P. A. Zheleznov. Nauch -tekh. sbor. po dob. nefti no 19: 91-97 '63

Determination of the mean reservoir pressure in an oil pool in dissolved gas drive I. D. Amelin Nauch. -tekh sbor. po dob. nefti no 19.53-55 '63.

Determination of the physical parameters of a reservoir in a nonstationary gas cut fluid flow. E. B. Chekaliuk. Nauch. -tekh. sbor. po dob. nefti no. 19 60-64 '63.

Determining the fields of pressure in a striated blockwise nonuniform layer. A. IA. Chilap. Izv. AN SSSR Mekh. i mashinostr. no. 4;185-189 Jl-Ag '64.

Determining the location of the water-oil contact from the data of investigations in one well. J. W. Roach Nefteprom. delo no. 7;44 '64.

Determining the output of imperfect wells from a nonuniform anisotropic reservoir. T. F. Ivanov. Nauch. -tekh. sbor. po dob. nefti no. 17:56-60 '62.

Determining the physical parameters of a gas-bearing reservoir. B A. Bogachev Izv vys ucheb. zav., neft' i gaz 5 no 10 47-51 '62.

Determining the quantity of water which has passed through a layer. M. N. Kochetov. Trudy VNII no. 40: 282-288 '63.

Determining the reservoir parameters from the results of an investigation of pumping wells. G. V. Shcherbakov, IU. A. Balakirov. Azerb. neft. khoz. 43 no. 5;24-26 My '64.

Development of non uniform-permeability fields with variation in reservoir structure. L. G. Kogan, M. I. Maksimov. Nauch. -tekh. sbor. po dob. nefti no. 17:38-45 '62.

Displacement of fluids by gas from stratified porous media. V. G. Ogandzhaniants. Nauch. -tekh. sbor. po dob. nefti no. 19 43-47 '63.

Displacement of the oil-water interface to a linear line of wells in an inclined layer. A. Sh. Kazymov, V. P. Pilatovskii. Trudy VNII no. 40:157-166 '63.

Effect of the nonuniformity of reservoir structure with respect to permeability on the conformance factor and other parameters of development. L. G. Kogan, V. P. Karpov. Trudy VNII no. 40:182-191 '63.

Effect of the position of nonpermeable reservoir boundaries on the indices of the reservoir development. L. G. Kogan, B. T. Baishev, V. I. Volodina. Trudy VNII no. 40: 257-270 '63.

OIL RESERVOIR ENGINEERING (Continued)

Electric modeling of propane drive with subsequent injection of dry gas for a nine-point system of well spacing. L. G. Kogan, V. P. Karpov. Trudy VNII no. 40:167-181 '63.

Estimation of commercial oil reserves based on field data T IU Bagarov Azerb neft khoz 43 no 2:19-20 F '64.

Experimental investigation of the kinetics of the formation and sagging of a gas cone in an oil layer. P. B. Sadchikov. Trudy VNII no. 40:35-52 '63.

Experimental investigation of the process of petroleum recovery from fractured reservoir rocks in dissolved gas drive. D. Sh. Vezirov, A. G. Kovalev, A. A. Kocheshkov. Trudy VNII no. 40:3-14 '63.

Influence of edge gas pools in a productive reservoir on pressure variations in observation wells. S N. Buzinov, I. D Umrikhin. Nauch.-tekh. sbor. po dob. nefti no. 19 29-33 '63.

Integral method for determining the reservoir compressibility factor from field data. S. G Kamenetskii, O. V Kurenkov. Nefteprom delo no. 7 7-9 '64

Investigating wells with one vertical fracture in a nonstationary regime. J. O Scott Nefteprom delo no 7 43 '64

Investigation of the peculiarities of the influence of a round inclusion on the uniform fluid flow. V. S. Sporyshev. Nauch -tekh. sbor. po dob. nefti no 19.16-20 '63.

Mechanism of rock-pressure transmission by oil and gas pools V. S. Melik-Pashaev. Neftegaz. geol. i geofiz. no. 6:39-41 '64

Nonsteady flow of elastic fluid to rectilinear galleries in the presence of distributed outlets. A. Sh. Kazymov. Nauch.-tekh. sbor. po dob. nefti no. 17:12-16 '62.

Some remarks on interval selection in the statistical study of various parameters of productive reservoirs V. V. Voinov. Nauch.-tekh. sbor. po dob. nefti no. 19. 12-15 '63.

Study of errors in the determination of the parameters of the reservoir-permeability law of distribution and the effect of these errors on calculations of flooding. E. L. Leibin, N. K. Pravednikov. Trudy VNII no. 40. 231-240 '63.

Studying the first phase of the radial flow of thinned oil by averaging the right sides of differential equations of motion. G. A Khalikov Izv vys ucheb zav, neft' i gaz 5 no. 10 41-45 '62

Time required for the exploitation of water-free imperfect wells in reservoirs with bottom water. A. P. Telkov, IU. I. Sktlianin. Nauch -tekh. sbor. po dob. nefti no. 19 39-43 '63.

OIL SANDS

(see also subdivision under Dnieper-Donets Lowland)

Using nondestructive control methods to study fracturing in carbonate rocks. K. I. Bagrintseva. Trudy VNIIGAZ no. 20/28.98-110 '64.

OIL SANDS—ANALYSIS

(see also subdivision under Krasnodar Territory)

Classification of oil and gas sandy-siltstone reservoir rocks. A. A. Khanin. Trudy VNIIGAZ no. 20/28:12-39 '64.

Comparative data in the determination of porosity by various methods. M. I. Koloskova. Trudy VNIIGAZ no. 20/28:72-82 '64.

Piston suction reservoir-petroleum sampler. A. I. Khaznaferov. Mash. i neft. obor. no 6:6-10 '63.

Studying gas and oil reservoir rocks. A. A. Khanin. Trudy VNIIGAZ no. 20/28:5-11 '64.

Studying irreducible water in oil and gas reservoir rocks. A. A. Khanin, O. F. Korchagin. Trudy VNIIGAZ no. 20/28:41-64 '64.

Using a mercury poremeter in studying the structure of reservoir rocks. M. I. Koloskova. Trudy VNIIGAZ no. 20/28:65-71 '64.

OIL SANDS—ELASTIC PROPERTIES

Change in the elastic-capacity factor of sand reservoirs depending on rock and reservoir pressure. V. M. Dobrynin. Neft. khoz. 41 no. 2:35-40 F '63.

OIL SANDS—PERMEABILITY

(see also subdivision under West Siberian Plain)

Influence of granulometric composition and carbonate content on the porosity and permeability of the rocks of a producing series. F. M. Bagir-Zade and others. Azerb. neft. khoz. 43 no. 3:4-7 Mr '64.

Use of an electric integrator for the evaluation of the reservoir properties of a reservoir from the production data of the first prospecting wells. P. A. Zheleznov. Nauch.-tekh. sbor. po dob. nefti no. 19:85-90 '63.

OIL SHALES

Automatic and remote control of a gas generator station in a shale processing combine. IU. V. Shaganov. Gaz. prom. 8 no. 7:22-24 '63.

OIL WELL CASING

(see also subdivision under Azerbaijan)

Calculating casing strings; reply to an article by O. A Lebedev. G. M. Sarkisov. Neft. khoz 42 no 6.17-19 Je '64

Determining the external load on the casing string in the filter zone when exploiting wells A A Mamedov Azerb. neft. khoz. 43 no 5:30-32, 48 My '64

Determining the location of the parted casing of a producing string using a flow meter F. S. Abdulin, V. B. Martirosian Nefteprom. delo no 7 37-39 '64

Determining the permissible internal pressure in casings. V. I. Grigor'ev, N. A. Sidorov Neft. khoz. 41 no. 2: 26-29 F '63.

Effect of a cement ring on the capacity of casing strings to resist collapsing loads K A Vladimirov and others Neft khoz 42 no 6 19-24 Je '64

Experimental investigation of window cutting in production columns. F. A. Guseinov. Izv. vys. ucheb. zav., neft' i gaz 6 no. 7:29-32 '63.

OIL WELL CEMENTING

Cementing casing strings under conditions of circulation loss E Kh. Mekhtiev, IU A. Safarov, D A Shamkhalov Azerb neft. khoz. 43 no 2:13-14 F '64

Cementing high-viscosity and quick-hardening mixtures obtained by the introduction of dry free-flowing material into cement slurry A I. Berezhnoi, I A Sidorov Neft. khoz 42 no 6 24-29 Je '64

Controlling the parameters of cement slurries using surfactants at low and high temperatures. N N. Beller, L S Shabanova Trudy KNII NP no 17 47-54 '62.

Determining the location of the parted casing of a producing string using a flow meter. F. S Abdulin, V. B. Martirosian. Nefteprom delo no. 7:37-39 '64.

Effect of a cement ring on the capacity of casing strings to resist collapsing loads K A Vladimirov and others. Neft khoz 42 no. 6 19-24 Je '64

Possibility of producing plugging cements in the Kuybyshev combine for building materials V A. Zhevlakov. Trudy KNII NP no. 17 37-46 '62.

Practicability of using multistage cementing in present-day conditions. R. M Velibekov Azerb neft khoz. 43 no. 5:18-19 My '64

Qualitative change in hardened cement when it is formed under normal conditions N I Titkov, N. S Don, A IA Neretina Neft. khoz 42 no 7.30-34 Jl '64

Trends in the improvement of equipment for the electrochemical strengthening of well walls. N. I Titkov, P. G Kuz'menkov, V. G Smolianinov Mash. i neft. obor. no. 2:3-10 '64

Ufa. Neftianoi nauchno-issledovatel'skii institut. [Handbook on the use of FR-12 resorcinol-formaldehyde resin for exclusion work in oil and injection wells] Rukovodstvo po primeneniiu rezortsino-formal'degidnoi smoly FR-12 dlia izoliatsionnykh rabot v neftianykh i nagnetatel'nykh skvazhinakh. Sost. V. A. Blazhevich, E. N. Umrikhina. Ufa, 1963. 24 p.

Using urea-formaldehyde resins to control circulation loss. V. P. Belov. Neft. khoz. 41 no. 2:56-61 F '63.

Work of a seminar on the study of the formation and the physicomechanical properties of hardened cement. N. Khlebodarov. Neft. khoz. 41 no. 2:62-63 F '63.

OIL WELL COMPLETION

(see also subdivision under Anastasiyevka-Troitskoye Oil Field; Tuymazy Oil Field; Yakushino Oil Field)

Completed well as a basic index for the planning and calculation of drilling operations; discussion of I. IA. Vainer's article. E. F. Shimchishin. Neft. khoz. 41 no. 2 10-12 F '63.

Completion of injection wells by hydraulic fracturing. A IU. IUmadilov Neft. khoz. 42 no. 6.62-64 Je '64.

Drilling in producing strata. V. A Amian and others. Neft. khoz 42 no 6:35-41 Je '64

Ovnatanov, G. T. [Drilling in and treating strata; theoretical and experimental investigations of the drilling in and treatment of the bottom zone of a stratum which is an oil and gas reservoir of the fractured type] Vskrytie i obrabotka plasta, teoreticheskie i eksperimental'nye issledovaniia vskrytiia i obrabotki prizaboinoi zony plasta, predstavlennogo kollektorami nefti i gaza treshchinnogo tipa. Moskva, Izd-vo "Nedra," 1964. 265 p.

OIL WELL DRILLING

(see also subdivision under Bashkiria; Ordzhonikidze region; Irkutsk Province)

Change in the hydrodynamic pressure at the well bottom on hoisting a drilling tool. M. K. Seid-Rza, S. A. Nazirov, N. K. Karimov. Azerb. neft khoz. 43 no 3: 12-15 Mr '64.

Conditions governing the pressing of drill pipes against the well wall. N. N. Mamedov, D. K. Ibragimov, A. G. Mdivani. Azerb. neft. khoz. 43 no. 5:16-17 My '64.

Deep-well remote-control manometer for the determination of the intensity of circulation loss in a bore hole S G. Temkin and others. Trudy KNII NP no. 17 97-105 '62.

Determining the hydraulic radius for the annular space of slant holes. S. M. Kuliev, B. I. Es'man, N. A. Grigorian. Azerb. neft. khoz. 42 no. 6:15-16 Je '63.

Determining the relative permeability of rocks in the circulation-loss zone of a bore hole. A. V Volkov. Trudy KNII NP no. 17.86-96 '62

Device for making the derrick man's work easier in the drilling of deep wells. L. N. Egorov. Mash. i neft. obor. no. 2:31-33 '63.

Drilling wells in lost-circulation zones with side tracking and two-hole drilling using aerated mud in fields of the Oil Field Administration of the Lenin Petroleum Trust I. G. Avetisov, G G. Kasparov, IU. I. Sokov. Azerb. neft. khoz 43 no. 2:14-16 F '64.

Drilling wells of decreased diameter using a turbotachometer R A Sumbatov and others Neft khoz 42 no 6. 12-17 Je '64.

Effect of certain factors on the change in the angle and azimuth of the hole deviation of inclined wells depending on the footage of drilling without a whipstock M P Gulizade, D M Makhmudov Izv vys ucheb zav, neft' i gaz 5 no 10 21-25 '62.

Effect of drill pipe joints on the redistribution of pressure in the annular space. G I. Lobzhanidze, B. I. Es'man, T. A. Kirtia. Soob. AN Gruz. SSR 33 no. 3:613-620 Mr '64

Experimental investigations of the effect of drilling parameters on the dimensions and shape of borings. A. E. Kuliev, F. M. Guseinov, A I. Ragimov. Azerb. neft khoz. 43 no. 3:15-17 Mr '64.

Features of well-bottom cleaning out in turbine drilling. T. G. Faradzhev, D. M. Makhmudov, A. IU. Bogdanov. Azerb neft. khoz. 42 no. 6:13-15 Je '63

Freezing of drill pipes in wells IU. P Nomikosov Neft khoz 42 no 7 17-23 Jl '64

Index of the drilling cycle speed Z. M. Berkolaiko, I, Q, Bagiriants. Azerb. neft khoz. 43 no. 5:46-40 My '64.

Method of liquidating absorption zones in small diameter boreholes. I. A. Kapustin. Razved. i okh. nedr 30 no. 2:49-50 F '64.

Problem of power balance in disintegrating rocks with bit rollers. E. M. Solov'ev. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:118-120 '63.

Useful book for drillers. A I. Bulatov, N. A. Sidorov. Azerb. neft. khoz. 43 no. 2:47 F '64.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

(see also subdivision under Krasnodar)

Analyzing resistances during the hoisting of an inserted tool. A. Z. Romanov. Trudy VNIIBT no. 7:39-62 '63.

Analyzing the design of shafts for threaded and nonthreaded drill hooks. M. TS. Vertkin, A. A Balashov. Za tekh prog. 3 no. 11:16-19 N '63.

Attachment for pressing out crank pins. M. D. Elbatov. Mash. i neft. obor. no. 5:35 '63.

Attachment to the APR-2 automatic device for hoisting and lowering rods. V. A. Byzgin, E. P. Belov. Nefteprom. delo no. 7:31-32 '61.

Deep-well instrument for measuring drilling parameters with a pulse-width telemetering system. S G Temkin, A P Liubarskii, A. D Belov Trudy KNII NP no 17.111-116 '62

Determining stresses in a hook due to the lifting and lowering of the drilling string in inclined wells. N. B. Kadirov, D. M. Makhmudov. Za tekh. prog. 3 no 11: 19-23 N '63.

Determining the load on surface equipment during the operational cycle of a deep-well pump. I. G Uzunov. Izv. vys. ucheb. zav., neft' i gaz 5 no 10 35-40 '62.

Determining the practical depth for using super-turbodrill whipstocks taking into consideration the effective disintegration of rocks on the bottom and the full realization of turbodrill power A. A. Akhmedov, T. G. Faradzhev, S. A Nazirov. Izv vys ucheb zav., neft' i gaz 5 no 10.27-33 '62

Engineering fundamentals of the hard-alloy reinforcement bit rollers. E. M. Kuzmak and others. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:107-113 '63.

Equipment for the hermetic sealing of the well head in deep drilling. A. I. Ter-Grigorian, A. A. Danielian, Z. L. Shapiro. Neft. khoz. 41 no. 2:19-25 F '63.

Investigation of the starting operation of draw works considering the mechanical characteristics of the power engine. K. N. Kulizade, A. A. Saidov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:23-28 '63.

New design for hydraulic fishing tool. A. M. Piliushch. Mash. i neft. obor no. 5:34-35 '63.

Nozzle for washing away salt and the preparation of saturated solutions. V. G. Dzema. Mash. i neft. obor. no. 2:48 '63.

Possibility of increasing the resistance of the ball-locking bearing of standard bit rollers. A. M. Abdulzade, T. R. Mamedov. Mash. i neft. obor. no. 2: 14-17 '64.

Unit for automatic switch-over of well feeding to self-feeding. V. G. Vartanov. Mash. i neft. obor. no. 5: 17-18 '63.

OIL WELL DRILLING, ELECTRIC

Determining the hydraulic roughness in pipes for electric drilling. B. I. Es'man, L. G. Gulizade. Azerb. neft. khoz. 43 no. 5:14-15 My '64.

Determining the well-bottom parameters in electric drilling. A. P. Liubarskii, E. A. Aizuppe. Trudy KNII NP no. 17:106-110 '62.

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES

Cleaning the sealing in the stator groove of an electric drill. A. B. Fradkin. Mash. i neft. obor. no. 2:28-29 '64.

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES (Continued)

Dual purpose device for measuring stresses in electric-drill engine clamps and well-bottom temperature V L Fuks. Mash. i neft. obor no. 5 12-16 '63

Investigating the heating of the power-supply contact of an electric drill. I. I. Ginzburg, N. I. Elifov. Trudy VNIIBT no. 7:150-160 '63.

Small attachable filter for a deep-well measuring device B A Molokhino Trudy KNII NP no 17 117-120 '62

OIL WELL DRILLING, SUBMARINE

Maximum yields and exploitation times of marginal offshore wells. B. A. Gadzhiev, L. A. Buriakovskii. Azerb. neft. khoz. 43 no. 2:21-24 F '64.

OIL WELL DRILLING FLUIDS

Antifoaming reagents for aqueous and cross-linked muds and a method for testing them. N. N Beller, IU. D Churkin, N V Piatnitskaia Trudy KNII NP no 17 23-31 '62.

Chemical reagent for the treatment of muds based on a ligroin-kerosine fraction of crude phenols. D. S. Kasum-Zade, G. IA. Dedusenko, T A. Markarova. Azerb. neft. khoz. 43 no. 3:18-19 Mr '64.

Determining the quality of a powder carbon-alkali reagent. E. D. Shchetkina and others. Azerb. neft. khoz 43 no. 3:20-21, 33 Mr '64.

Experimental investigation of the hydrocyclone purification of drilling mud A A. Nechaev, V F. Kuznetsov, V S. Gombert. Trudy KNII NP no 17 67-87 '62

Graphic determination of the speed of the submergence and rise of drilled-out rock particles depending on the quantity and quality of the drilling fluid. G. V. Gabuniia, O. E. Kovasik. Azerb. neft. khoz. 42 no. 6:18-20 Je '63.

Obtaining a reagent for clay muds from sulfite-alcohol residue by chlorination. N N Beller, Z I Kurshanova, I M. Chernysheva Trudy KNII NP no 17 12-22 '62

Separation packer-bridge. V. G. Dzema. Mash. i neft. obor. no. 6:37-39 '63

Technology of a system for the purification of drilling mud. A. A. Nechaev, V S Gombert, V F Kuznetsov Trudy KNII NP no. 17 55-66 '62.

Using a hydraulic elevator in drilling. I. IA. Kapustin. Azerb. neft. khoz. 43 no. 5:19-20 My '64.

Using chromates to increase the thermal stability of clay muds E G Kister and others Neft. khoz. 42 no. 7 23-26 Jl '64

OIL WELL DRILLING FLUIDS—FLUID DYNAMICS

Device for investigating the motion of drilling mud in the well bore. D. D Mamadzhanov Neft khoz. 42 no. 7 61-64 Jl '64.

OIL WELL DRILLING RIGS

Diesel parameters for drilling rigs. I. I. Volkomirskii. Mash. i neft. obor. no. 5:19-24 '63

Experimental determination of the dynamic forces in the hoisting components of a drilling rig. V I. Tarasevich Mash. i neft. obor. no. 2:21-24 '63.

Operation of diesels in the diesel-electric drive of BU-50Br rig. I N. Sulkhanishvili. Mash. i neft. obor. no. 5:24-30 '63.

USHBT-M auger drilling rig. V. M. Gershov. Mash. i neft. obor. no. 2:7-11 '63.

Use of hydraulic torque converters in drilling rigs. V. L. Arkhangel'skii. Mash. i neft. obor. no. 2:11-18 '63.

OIL WELL DRILLING RIGS—EQUIPMENT AND SUPPLIES

Certain problems in the design and manufacture of spring-hydraulic chucks for spindle drilling rigs. V. F. Antishchenko, V. D. Dubchuk. Mash. i neft. obor no. 5: 3-7 '63.

OIL WELL LOGGING

Caliper for measuring the diameter of deep wells. IU. D Emel'ianov. Mash. i neft. obor. no. 6:3-6 '63.

OIL WELL LOGGING—EQUIPMENT AND SUPPLIES

MGP-600 depth piston manometer. G. G. Poliakov. Mash. i neft. obor. no. 6:31-32 '63.

OIL WELL LOGGING, ACOUSTICAL

(see also subdivision under Caspian Lowland)

Anisotropy of fractured rocks and possibilities of finding it, using seismic methods. B. V. Pozinenko. Trudy VNIGRI no. 228:197-207 '64.

Distribution rate of elastic oscillations in fractured isotropic and porous media. IU I. Kuznetsov, B V. Pozinenko. Trudy VNIGRI no. 228:190-196 '64.

Using seismic prospecting to isolate the producing section of an oil reservoir. V. V. Churlin, L. A. Sergeev. Geol. nefti i gaza 7 no. 11:34-38 N '63.

OIL WELL LOGGING, ELECTRIC

Using an insulated sonde in studying the carbonate rocks of the Upper Cretaceous of the Crimea. B. IU. Vendel'shtein, B. I. Izvekov. Neftegaz. geol. i geofiz. no. 6:48-56 '64.

OIL WELL LOGGING, ELECTRIC—EQUIPMENT AND SUPPLIES

Investigation of single core logging cable as a communication channel in a pulse system of information transmission. O. V. Rudnev. Izv. vys. ucheb. zav., neft' i gaz 6 no. 7:89-95 '63.

OIL WELL LOGGING, RADIATION see subdivision under Azerbaijan, Kuybyshev Province

OIL WELL PUMPS

(see also subdivision under Ordzhonikidze region)

Automatic noncontact pumping system. G. N. Viazenkin, V. A. Kucherniuk. Mekh. i avtom. proizv. 18 no. 1: 23-25 Ja '64.

Automatic regulation of the delivery of a deep well pump. A. M. Veselov. Mekh. i avtom. proizv. 18 no 1:10-11 Ja '64.

Comparative tests of hydraulic piston pumps. I I. Rosin, A R. Kaplan. Azerb. neft khoz 43 no 2:41-43 F '64

DT-1 and DT-2 thermostats. G. P. Melanifidi. Mash. i neft. obor. no. 6:33-34 '63

Design of a cylindrical bush with welded collar for drilling pumps. IA. S. Mkrtychan, G. M. Pozharnov. Mash. i neft. obor. no. 4:5-8 '63.

Determining the economic efficiency of new equipment on oil fields. B IA. Gombiner Azerb neft. khoz 43 no. 2:46-47 F '64

GrozNII pistons for drill pumps. M. I Perov. Mash i neft. obor. no. 2,26-27 '63.

Increasing the lifetime of the rod and stuffing boxes of the product part of piston steam pumps which pump liquefied gases. F. I. Arkhipov. Mash. i neft obor no. 4:35 '63.

Investigation of hydraulic parameters of the U8-3 circulating pump. M. A. Karaev. Izv. vys. ucheb. zav., neft' i gaz 6 no. 7:71-77 '63.

Lifetime of deep-well pumps. M. D. Aliev. Neft. khoz. 41 no. 2:42-45 F '63.

Lifting fluid with gas in wells equipped with sinking electric pumps. V. V. Dunaev. Nauch.-tekh. sbor. po dob. nefti no. 17:76-82 '62.

Protective covering for machine parts to increase their wear resistance. E. M. Chernyshev. Mash. i neft. obor no. 2:34-36 '63.

Quantitative determination of leakage in a deep-well pump using a dynamograph. A Kh Sharipov Nefteprom. delo no. 7:39-42 '61.

Stages of sinking centrifugal pumps with open rotor wheels. N. E Grinshtein Mash. i neft obor no. 2: 17-19 '64.

OIL WELL SHOOTING

(see also subdivision under Apsheron Peninsula)

Commercial test of the sand-jet method for well perforation. B. M. Mamedov and others. Azerb neft. khoz. 42 no. 6:21-24 Je '63.

Decrease in the penetrating power of a perforator bullet moving along the bore hole. M. A. Guseinov, A. A. Mamedov. Azerb. neft. khoz. 43 no. 2:44-45 F '64.

Energy-producing characteristics of oil well shooting. V. L. Shukhman. Trudy VNIIBT no. 7:161-168 '63.

OIL WELLS see subdivision under West Siberian Plain

OIL WELLS—ACIDIZATION

(see also subdivision under Chechen-Ingush A. S. S. R.; Neftyanyye Kamni Oil Field)

AzINMASh-30 assembly for acidization of wells bottom areas. E. S. Ibragimov, D. K. Melikov, V. F. Seriakov. Mash. i neft obor no. 2:27-31 '63.

OIL WELLS—AIR-GAS LIFT

Effect of the composition of high-pressure injection gas on petroleum production. M. Z. Kornaev. Nauch.-tekh. sbor. po dob. nefti no. 17:61-66 '62.

Lifting fluid with gas in wells equipped with sinking electric pumps. V. V. Dunaev. Nauch.-tekh. sbor. po dob. nefti no. 17:76-82 '62.

Phenomenon of mass transfer in the displacement of nonsaturated petroleum by high-pressure gases. M. Z. Kornaev. Nauch.-tekh. sbor. po dob. nefti no. 19:71-77 '63.

OIL WELLS—EQUIPMENT AND SUPPLIES

Boltyshev, A. A., S. F. Liushin, and V. A. Rasskazov. [Controlling paraffin sedimentation in flowing wells using whirling rabbits of the Ufa Petroleum Scientific Research Institute] Bor'ba s otlozheniiami parafina v fontannykh skvazhinakh pri pomoshchi letaiushchikh skrebkov UfNII. Ufa, Bashkirskoe knizhnoe izd-vo, 1959. 126 p.

[MICROFILM]

Thermograph with a contact temperature-sensitive element for investigating wells. G. F. Trebin, IU. V. Kapyrin, V. N. Vasil'ev. Nefteprom. delo no. 7 33-36 '64.

Use of the MGP-3 manometer for temperature measurement in flowing wells. I. M. Matveev. Nefteprom. delo no. 4:27-29 '63.

OIL WELLS—FLUID DYNAMICS

Approximate hydrodynamic calculations of the linear flow of mutually soluble fluids in a uniform porous medium. N. L. Rakovskii. Trudy VNII no. 40:88-114 '63.

Experimental study of the process of miscible drive from a flooded layer. P. I. Zabrodin. Trudy VNII no. 40:78-87 '63.

Flow of mutually soluble fluids under conditions of plane-radial flow and in current pipes of variable cross section. E. V. Tesliuk, G. F Trebin, IU. M. Ostrovskii. Trudy VNII no. 40.115-136 '63.

Laboratory and field investigations of nonsteady gas cut fluid flow. F. IA. Zazovskii. Trudy VNII no. 40:15-34 '63.

Motion of mutually soluble fluids of varying viscosities in a linear model of a uniform layer. P. I Zabrodin, N. L. Rakovskii, M. D. Rozenberg. Trudy VNII no. 40 53-77 '63.

Solution of the problem of the nonsteady flow of a viscous incompressible fluid and the relation of this problem to the determination of the hydrodynamic pressure on well walls when the drilling tool is being lowered into the well. G. T. Gasanov, T. P. El'darov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:17-23 '63.

A system of functional equations for plane fluid flow. V. P. Pilatovskii. Trudy VNII no. 40 138-156 '63.

OIL WELLS—HYDRAULIC FRACTURING

Calculating the fractional composition and the injection sequence of a quantity of sand in hydraulic fracturing. F. I. Denisov, N. N. Nabiev, T. I. Salimov Azerb. neft. khoz. 42 no. 6,26-28 Je '63.

Completion of injection wells by hydraulic fracturing. A IU IUmadilov Neft khoz 42 no 6 62-64 Je '64

Denisov, F I. [Factors determining the efficiency of hydraulic fracturing] Faktory, opredeliaiushchie effektivnost' gidrorazryva plastov Baku, Azerneshr, 1964. 93 p.

Effective sand injection in hydraulic fracturing. M. K. Bagirov Azerb neft. khoz. 42 no. 6 31-33 Je '63.

Investigating wells with one vertical fracture in a nonstationary regime J. O Scott Nefteprom delo no 7 43 '64.

Stress relief in hydraulic fracturing IU. V Zaitsev, A M Pliushch. Nefteprom delo no 7:23-26 '64

OIL WELLS—TESTING

Effect of temperature on the deformability of the clay material on well walls. Khuan Zhun-TSsun' [Huang Jung-tsun] B V Baidiuk Izv vys ucheb zav., neft' i gaz 5 no 10 15-19 '62

OILS AND FATS

Production of industrial oleic acid and other products for the manufacture of avivage and oiling preparations M. S. Levit and others Masl.-zhir prom 30 no. 7:23-25 Jl '64.

Refining of hydrogenated oils and fats in a soap-alkali medium. N. A Kaminskii and others Masl.-zhir prom. 30 no. 7:32-31 Jl '64.

Review of articles published in periodicals on the oils and fats industry. V. A. Maziukevich Masl.-zhir prom. 30 no. 7:41-46 Jl '64

OILS AND FATS—TRANSPORTATION

Mechanization of loading and unloading in the oil and fat industry. I. N. Vol'per. Mekh. i avtom. proizv. 18 no. 1:7-9 Ja '64.

OILS AND FATS, EDIBLE

Markman, A. L., and A. I. Glushenkova. [Oxidation processes in edible oils and fats and methods for their control] Okislitel'nye protsessy v pishchevykh zhirakh i metody bor'by s nimi. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 40 p.

[MICROFILM]

OILSEED PLANTS

Increase the production of vegetable oil. A Isaev, IU Buraikov, M. Chulkin Ekon sel'khoz 35 no 6 115-117 Je '64.

OKUNEVETS, LAKE (PSKOV PROVINCE)—CARP

Cultivation of the whitefish Coregonus peled and carp in a lake after the fish population has been destroyed by polychloropinene. E. V. Burmakin. Izv. GosNIORKH 55:101-107 '63.

OKUNEVETS, LAKE (PSKOV PROVINCE)—FISHES—FOOD

Food resources of Lake Okunevets. G. D. Maksimova. Izv. GosNIORKH 55.94-100 '63.

OKUNEVETS, LAKE (PSKOV PROVINCE)—WATER—COMPOSITION

Changes in the hydrochemical conditions of Lake Okunevets under the influence of liming and fertilizing. V. N. Abrosov, N. A. Zabegalina. Izv. GosNIORKH 55:38-46 '63.

OKUNEVETS, LAKE (PSKOV PROVINCE)—WHITEFISHES

Cultivation of the whitefish Coregonus peled and carp in a lake after the fish population has been destroyed by polychloropinene. E. V. Burmakin. Izv. GosNIORKH 55:101-107 '63.

OLD-AGE HOMES see subdivision under Moscow; Yaroslavl

OLEFINS

Catalytic polmyerization of C_5 olefins in the presence of a sulfocation resin. N. G. Polianskii, E. F. TSekhmister. Neftekhimiia 4 no. 2:262-268 Mr-Ap '64.

OLEFINS (Continued)

Condensation of the chlorides of petroleum naphthenic acids with ethylene in the presence of $AlCl_3$. S.D. Mekhtiev, A.G Ismailov, I G.Safarov Azerb.khim. zhur. no.5:17-22 '63.

Course of the reaction between simplest X α-olefins and liquid nitrogen tetroxide B.F Ustavshchikov and others Dokl. AN SSSR 157 no 1 143-146 Jl '64

Haloalkyl sulfides. Part 6: Addition of alkyl sulfenyl chlorides and alkyl polythiochlorides to olefins. G.IU. Epshtein, I.A.Usov, S Z Ivin. Zhur ob.khim 34 no 7:2350-2354 Jl '64.

Interaction between benzene and alkene halides. IU G. Mamedaliev and others. Azerb.khim.zhur. no.5: 3-12 '63.

Investigating the hydrogenation of olefins and dienes in the presence of rhodium black. L Kh.Friedlin, E.F. Litvin, L M.Krylova Neftekhimiia 4 no.2 185-189 Mr-Ap '64.

OLEKMA VALLEY (CHITA PROVINCE)—WATER, UNDERGROUND

Hydrogeological characteristics of the Olekma-Chara interfluve. P.N.Lugovoi. Mat Kom po izuch. podzem vod Sib.i Dal'. Vost no 2:176-185 '62

OLEKMA VALLEY (YAKUTIA)—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Late Pre-Cambrian sediments in the Olekma-Tokko interfluve V.T Rabotnov. Dokl.AN SSSR 156 no.6:1351-1354 Je '64.

OLENEK VALLEY—LARCH

Some characteristics of the development of Dahurian larch in the Lena-Olenek watershed north of the Arctic Circle I I. Buks. Biul.MOIP Otd biol 68 no.3 127-131 My-Je '63

OLENIN, BORIS IUL'EVICH

A word about a comrade. Teatr 24 no.12:108 D '64.

OLENOGORSK REGION (MURMANSK PROVINCE)—STRIP MINING

Expansion of mining operations at the Olenogorsk strip mine using multiple-row blasting A I Arsent'ev and others. Sbor nauch trud KGRI no 15 60-63 '63

OLEOMARGARINE

Efficiency of the use of automatic production lines for the manufacture of margarine. L.A Grauerman, L.I.Nechaeva. Masl -zhir.prom 30 no.7 30-32 Jl '64.

OLEORESINS

Giving maximum attention to the production oleoresin Gidroliz.i lesokhim.prom. 17 no.3:1-2 '64

OLITORISIDE

Effect of olitoriside and digilamide C on coronary circulation and myocardial oxygen requirement. G.N. Lakoza. Farm.i toks. 26 no.5 589-594 S-O '63

OLONETS GOVERNMENT—LAND TENURE

The characteristics of land tenure in a Olonets mining area ascribed village during the 18th and in the first half of the 19th century IA A Balagurov Uch zap Petrozav.gos un. 11 no 1:201-222 '62

OLYMPIC GAMES
(see also subdivision under Japan)

Sixty-first session of the International Olympic Committee. A.O.Romanov. Teor.i prak.fiz.kul't. 27 no.4: 12-15 Ap '64.

OLYMPIC GAMES (WINTER)

Racing skiers and dual contestants of the U.S.S.R at the Ninth Winter Olympic Games. M.A.Agranovskii. Teor.i prak.fiz.kul't. 27 no.4:16-23 Ap '64.

Results of the Ninth Winter Olympic Games. Teor.i prak.fiz kul't. 27 no 4:1-6 Ap '64.

OMOLOY VALLEY—TUNDRAS

Description of the tundra and forest-tundra vegetation in the Yana-Omoloy interfluve (northern Yakutia) L.I Nosova Bot zhur 49 no 5 661-668 My '64

OMSK—CHEMICAL WORKERS

Always in the front line.... S.Shibaev. Part.zhizn' no.15:41-42 Ag '64.

OMSK—NEWSPAPERS

The discussion on some problems of the Kazakh language in the newspaper "Dala valaiaty," 1888 to 1902. Kh. Bekkhozhin. Izv. AN Kazakh SSR.Ser.obshchestv. nauk no.6:64-71 '64.

OMSK—PETROLEUM REFINERIES—HEATING AND VENTILATION

Methods for improving the economic indices of the heat supply to the Omsk Petroleum refinery. V.V.Zavadskii. Nefteper.i neftekhim. no.2:12-14 '64.

OMSK—RUBBER, SYNTHETIC

Sergienko, P.S. [Fourth cascade production line; "big chemistry" has come to Omsk] Chetvertyi kaskad; v Omsk prishla bol'shaia khimiia. [Omsk] Omskoe knizhnoe izd-vo, 1963. 94 p.

OMSK—SHIPBUILDING WORKERS

The 46th V Gorovoi Sov profsoiuzy 20 no 14 29-30 Jl '64.

The plant committee and physical education A Myznikov. Sov profsoiuzy 20 no.14 24-26 Jl '64

The "wave" gathers strength. M Shiknaleev. Sov profsoiuzy 20 no 14 27-28 Jl '64

OMSK PROVINCE—FORAGE PLANTS

Utilization of Solonetz soils for forage plants in the northern forest steppe of Omsk Province I I Zagrebaev. Trudy Biol.inst Sib.otd.AN SSSR no.9:266-272 '62.

OMSK PROVINCE—SOLONETZ SOILS

Reclamation of steppe Solonetz soils in Omsk Province A.S Migutskii Trudy Biol inst.Sib otd AN SSSR no.9:255-265 '62

Utilization of Solonetz soils for forage plants in the northern forest steppe of Omsk Province. I.I Zagrebaev Trudy Biol.inst Sib.otd.AN SSSR no.9:266-272 '62.

ONCOLOGICAL SOCIETIES see subdivision under Leningrad Province; Moscow Province, Ukraine

ONCOLOGY see subdivision under United States

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref.zhur : Ob.vop.pat.Onk. nos 15-16 Ag '64. Avtorskii ukazatel' za 1963 g.

ONCOLOGY, EXPERIMENTAL

Structural changes in the nervous system in experimental tumors. L.K.Sharashidze, R.V.Bulusashvili. Trudy Inst.eksp.i klin khir i gemat.AN Gruz.SSR 11:111-115 '63.

ONEGA LAKE REGION—GEOLOGY, STRATIGRAPHIC

Basic characteristics of the section of Lower Carboniferous sediments in the southern Lake Onega region. V.S.Kofman. Vest.LGU 19 no.12:61-73 '64.

ONIONS
(see also subdivision under Kostroma Province)

Male sterility of flowers in onions (variety "Markovskii, improved") M I Kryleva Bot zhur 49 no 5 730-712 My '64

Some data on the development of the onion Allium proliferum Schrad ex Willd E I Burdonov Bot zhur 49 no 5 707-709 My '64

ONTOGENY (BOTANY)

Some problems of the theory of plant ontogeny. V.V. Skripchinskii Biul.MOIP Otd.biol. 68 no.3 61-75 My-Je '63.

OPEN-AIR THEATER see Theater, Open-Air

OPEN-CUT MINING see Strip mining

OPEN-HEARTH FURNACES

Applying the principle of control by perturbation for open-hearth furnace control systems. E M Gol'dfarb and others Stal' 23 no 4 372-374 Ap '64

Determining the optimum frequency of reversing the fuel spray in open-hearth furnaces N K Korneva and others Metallurg 9 no.5 22-23 My '64.

Investigating the preheating of granular materials in large-capacity open-hearth furnaces. T.G Sabirzianov, E.V.Abrosimov, A.I.Moiseenko. Stal' 23 no 4:318-319 Ap '64

OPEN-HEARTH FURNACES—COOLING see subdivision under Hungary

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION
(see also subdivision under United States)

Lining the walls of the upper structure of open-hearth furnaces with rammed refractory materials G.I. Kozak Metallurg 9 no 5 23-24 My '64

Mechanism of mass adhesion during hot guniting of the basic brickwork in open-hearth furnaces. V.D.TSigler, P.D.Piatikop. Stal' 23 no.4:313-315 Ap '64.

Results of using forsterite checkers in open-hearth furnaces operating with oxygen. M.M.Khil'ko, G.I. Antonov. Met.i gornorud.prom. no.6:31-34 N-D '62.

Technological conditions of superpower open-hearth furnaces at the Magnitogorsk Metallurgical Combine F.D.Voronov and others. Stal' 23 no.4:305-309 Ap '64.

Ways of increasing the productivity of open-hearth furnaces. N.N.Dobrokhotov. Met.i gornorud.prom. no.6:12-14 N-D '62.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Breaking away of the stoppers. O.V.Trifonov, N.K. Gorokhov Metallurg 9 no.5:16-19 My '64.

Potentialities for increasing the output of open-hearth furnace plants now in operation. V.A.Minenko and others. Stal' 23 no 4:309-313 Ap '64.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Repair of tapping holes on open-hearth furnaces. A S Freidenberg and others Metallurg 9 no.7 20 22 Jl '64

OPEN-HEARTH PROCESS

Changes in oxygen content during the smelting and pouring of open-hearth steel. A.G.Gabisiani and others. Soob AN Gruz SSR 33 no 3:627-633 Mr '64.

Making 14GN steel in a 370-ton open-hearth furnace G N Kamyshev, G G Alekseenko Metallurg 9 no 5 15-16 My '64

Prokhorenko, K.K., and others. [Making and pouring quality steels] Vyplavka i razlivka kachestvennykh stalei. Moskva, Izd-vo Metallurgiia, 1964. 200 p.

Using a correlative analysis for the study of oxygen absorption by an open-hearth furnace bath from the furnace atmosphere. O.D.Zorin, A.D Kutsenko. Izv.vys.ucheb.zav., chern.met. 7 no.7:60-76 '64.

OPERA
(see also subdivision under Leningrad, Moscow, Tartu)

One must act in an opera. S.Nebaba. Teatr 24 no 8 115-116 Ag '63

OPERA—DRAMATURGY

The director in opera V.Vanslov. Sov muz 28 no 1 45-50 Ja '64

OPERATIVE DENISTRY see Denistry, Operative

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Absolute convergence of expansions in eigenfunctions of certain differential operators G M Kesel'man Izv vys ucheb zav , mat no 2 82-93 '64.

Approximate solution of operator equations by IU.D. Sokolov's method P.G.Mosolov Izv AN Uz.SSR Ser fiz.-mat.nauk 7 no 5:28-29 '63

Asymptotic distribution of the eigenvalues of elliptic operators. A.G.Kostiuchenko. Dokl.AN SSSR 158 no.1:41-44 S-O '64.

Asymptotic properties of the trace of the spectral function of a self-adjoint elliptic differential operator of second order. A.A.Arsen'ev. Dokl.AN SSSR 157 no.4:761-763 Ag '64.

Completeness of a system of finite-dimensional invariant subspaces of a nonself-adjoint singular differential operator of second order relative to a real weight function. E.M.Dzhabrailova. Dokl.AN SSSR 157 no.4: 774-776 Ag '64.

Continuity of a nonlinear integral operator. P.P. Zabreiko. Sib.mat.zhur. 5 no.1,958-960 Jl-Ag '64.

Matrix differential operators. V A.Gusev Izv vys. ucheb zav , mat no 2:65-73 '64

Multidimensional generalizations of Euler's summation formula. V.K.Ivanov. Izv.vys.ucheb.zav.; mat. no.6:72-80 '63.

Multidimensional singular operators in spaces of fundamental and generalized functions N.IA.Krupnik Dokl AN SSSR 157 no.1:41-44 Jl '64

New algorithm in the theory of perturbations of a continuous spectrum. A.G.Sigalov. Dokl.AN SSSR 158 no 1: 49-52 S-O '64.

Norms of linear polynomial operators in connection with problems of the approximation of continuous functions. Part 1. N.A.Sapogov. Vest.LGU 19 no 13:53-68 '64

Representation of ultraspherical polynomials in the form of a differential operator containing the generating function of these polynomials. A.K.Kharadze. Dokl.AN SSSR 158 no.1:59-61 S-O '64.

Scattering operator in a space of second quantization. A.L.Chistiakov. Dokl.AN SSSR 158 no.1,67-69 S-O '64.

Simplified variant of an integral kinetic operator. R.G. Barantsev, B.V.Filippov. PMTF no.2:129-131 Mr-Ap '64.

Spectrum of non-self-adjoint differential operators. M.M.Gekhtman, I.V.Stankevich. Dokl.AN SSSR 158 no.1:29-32 S-O '64.

Testing the accuracy of the perturbation method in the case of a bounded unperturbed operator R.V.Loginov Izv.AN Uz.SSR.Ser.fiz.-mat.nauk 7 no.6:21-25 '63

OPERATORS (MATHEMATICS)—BOUNDARY VALUE PROBLEMS

Absence of a positive discrete spectrum of the Laplace operator of the Dirichlet problem in certain infinite regions. A.G.Ramm. Vest.LGU 19 no.13:153-156 '64.

New limit estimates for the higher eigenvalues of a quasi-differential system with a parameter under boundary conditions. IE.S.Buravs'kyi. Dop.AN URSR no.8:991-995 '64.

OPERETTA

Are there limits to a form? L.Zhukova. Sov.muz. 28 no.2:63-66 F '64.

Younger sister, no older. N.Minkh. Sov.muz 28 no.2:67-69 F '64

OPHIOSTOMA see subdivision under Voronezh Province

OPHTHALMOSCOPY

Measurements of the ocular fundus in hypertension. S. M. Dobrova. Sov. zdrav. Kir. no. 6:3-8 N-D '63

OPPENHEIMER, J. ROBERT, 1904-

Under the supervision of "fine fellows." A. Turkov. Nov. mir 40 no. 1,273-275 Ja '64

OPTIC NERVE

Development of the pregeniculate nucleus in man and its functional significance. N. S. Preobrazhenskaia. Zhur. nevr. i psikh. 63 no. 9 1368-1376 '63.

Optic nerve in man and some mammals. IU. V. Biriuckov. Arkh. anat gist i embr 45 no. 11:46-52 N '63

OPTIC THALAMUS—BLOOD SUPPLY

Angioarchitectonics of the optic thalamus of the rabbit in direct and collateral blood circulation. V. V. Stenyk. Arkh. anat gist i embr 45 no. 11:93-97 N '63

OPTICAL ILLUSIONS

Artamonov, I. D. [Optical illusions] Illiuzii zreniia. Izd. 2., perer. Moskva, Izd-vo "Nauka," 1964. 101 p.

OPTICAL MEASUREMENTS

Eliminating errors caused by run. N. A. Kutserib. Geod i kart. no. 5 16-17 My '64

Optical methods of determining the concentration of soot in flame. A. E. Kadyshevich. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:215-220 '64.

OPTICS

Use of the shadow diffraction method in determining the phase in the discontinuities of a plane wave front. L. A. Vasil'ev. Dokl. AN SSSR 157 no. 4:830-833 Ag '64.

OPTICS—PROBLEMS, EXERCISES, ETC.

Levadnyi, N. K. [Problems in physics with solutions; optics] Zadachnik po fizike s resheniiami; optika. [n. p.] Rosvuzizdat, 1963. 80 p.

OPTICS, PHYSICAL

Scattering of current carriers on optical vibrations. A. G. Samoilovich, I. V. Gvozdovskii. Dokl. AN SSSR 157 no. 4:841-844 Ag '64.

OPTICS, PHYSIOLOGICAL

Anan'ev, B. G., and B. F. Lomov, eds. [On the problem of the perception of space and spacial images; materials of a scientific conference] K probleme vospriiatiia prostranstva i prostranstvennykh predstavlenii; materialy nauchnogo soveshchaniia, Leningrad, Leningr. nauchno-issl. in-t pedagogiki Akad. pedagog. nauk RSFSR, 1959. 108 p.

[MICROFILM]

OPTIMISM

Optimism found and tested in combat. V. Bushin. Komm. Vooruzh. Sil 4 no. 7:89-93 Ap '64.

Philosophy of hopeless optimism. V. B. Kar'eva. Vop. filos. 18 no. 7:176-181 '64

ORDNANCE see subdivision under United States

ORDZHONIKIDZE, GRIGORII KONSTANTINOVICH, 1886-1937

G. K. Ordzhonikidze in the Terek Valley. V. S. Gal'tsev. Izv. Sev.-Oset. nauch.-issl. inst. 23 no. 2:60-120 '62

New documents on the lives and activities of S. M. Kirov and G. K. Ordzhonikidze in the Terek Valley. E. P. Krichina, L. D. Biriukova. Izv. Sev.-Oset. nauch.-issl. inst. 23 no. 2:153-170 '62.

S. M. Kirov's fraternal friendship with G. K. Ordzhonikidze. L. D. Biriukova. Izv. Sev.-Oset. nauch.-issl. inst. 23 no. 2:148-152 '62.

ORDZHONIKIDZE REGION—OIL WELL DRILLING

Using the methods of side tracking and two-hole drilling. S. T. Ovnatanov, K. A. Karapetov. Nefteprom. delo no. 5:23-26 '64.

ORDZHONIKIDZE REGION—OIL WELL PUMPS

Investigating wells exploited by hydraulic piston pumps. IU. A. Balakirov. Nefteprom. delo no. 5:18-23 '64.

ORDZHONIKIDZE REGION—PETROLEUM PRODUCTION

Investigating wells exploited by hydraulic piston pumps. IU. A. Balakirov. Nefteprom. delo no. 5:18-23 '64.

ORE DEPOSITS

(see also subdivision under Azov Sea region; Baikal Lake region; Caucasus; Chatkal Range; Kafan District; Karamazar Mountains; Kazakhstan; Kazreti region, Georgia; Sayan Mountains; Siberia; Soviet Far East; Tajikistan; Tien Shan; Ural Mountains)

Analytic estimate of the unfolding of mining operations during the working of steep ore bodies of regular shape. A. A. Eshchenko. Sbor. nauch. trud. KGRI no. 15:22-40 '63.

Betekhtin, A. G., and T. N. Shadlun, eds. [Structural and textural characteristics of endogenetic ores] Strukturno-teksturnye osobennosti endogennykh rud. [By] A. G. Betekhtin i dr. Moskva, Nedra, 1964. 597 p.

Bogoliubov, B. P., and G. F. Grachev. [Selective mining of complex ore deposits] Razdel'naia razrabotka mestorozhdenii slozhnogo sostava. Moskva, Izd-vo "Nedra," 1964. 166 p.

Characteristics of mineral formation in rare-metal pegmatites from Upper Archean metamorphic rocks and some features of their genesis. V. G. Kushev, M. V. Terent'eva. Trudy Lab. geol. dokem. no. 19.331-344 '64.

Endogenetic deposits of activated fold areas. A. D. Shcheglov. Trudy VSEGEI 103:11-23 '64

Forms of the participitation of trace elements in supergene mineral formation. K. I. Lukashev. Dokl AN BSSR 8 no 2:116-119 F '64

International Geological Congress. 22d, 1964. [Problems of ore genesis] Problemy genezisa rud. Moskva, Nedra, 1964. 384 p. (Its Doklady sovetskikh geologov, Problema 5)

Korzhyns'kyi, A. F. [Hydrothermal alteration of rocks and their significance for understanding the ore formation process] Hidrotermal'no zmineni porody i ikh znachennia dlia rozuminnia protsesiv rudoutvorennia. Kyiv, Naukova dumka, 1964. 165 p.

New methods of geochemical and hydraulic searching for ore deposits. Peter Zentai. Razved. i okh. nedr 30 no 2:62 '64.

Pozharitskii, K. L. [Determining the content of valuable components in the margins of an ore deposit] Opredelenie bortovogo soderzhaniia tsennykh komponentov v rude mestorozhdeniia. Moskva, M-vo geologii i okhrany nedr SSSR, 1962. 30 p.

[MICROFILM]

Soveshchanie po problemam tektoniki, Moscow, 1963. [Tectonics, igneous activity and distribution of ore deposits; materials] Tektonika, magmatizm i zakonomernosti razmeshcheniia rudnykh mestorozhdenii; materialy. Moskva, Nauka, 1964. 237 p.

ORE DEPOSITS—MAPS

Synthesizing the geological principles employed in making metallogenic maps of Pre-Cambrian areas. N. G. Sudovikov. Trudy Lab. geol. dokem. no. 19:132-140 '64.

ORE DRESSING

Akademiia nauk SSSR. Kol'skii filial, Kirovsk. [The dressing of complex ores] Obogashchenie kompleksnykh rud. Moskva, Nauka, 1964. 181 p.

Automatic control in ore dressing plants. I. S. Sverdel'. Izv. vys. ucheb. zav.; gor zhur. 7 no 3:155-163 '64.

Improve the planning of high-quality concentrates in mining and ore dressing combines. V. V. Osmolovskii, E. Z. Gamilova. Sbor nauch trud. KGRI no 23 32-36 '63

Methods of concentration and recovery of vapor-form chlorination products. E. N. Suleimenov, E. I. Machkasov. Trudy Inst. met i obog AN Kazakh SSR 8 19-31 '63

Ural'skii nauchno-issledovatel'skii institut mekhanicheskoi obrabotki poleznykh iskopaemykh. [Ore dressing practices for nonferrous, rare and noble metals] Praktika obogashcheniia rud tsvetnykh, redkikh i blagorodnykh metallov na fabrikakh SSSR. Moskva, Izd-vo "Nedra," 1964. 238 p.

ORE DRESSING—BIBLIOGRAPHY see Bibliography—Ore dressing

OREKHOVO-ZUYEVO DISTRICT—STOCK AND STOCK-BREEDING

Using mathematical methods in the analysis of the economic efficiency of the capital investments and capital assets of an agricultural enterprise. B. I. Iskakov-Pliukhin. Sbor. nauch. inform Nauch. sov. po eff. osn. fond. kap. vlozh i nov. tekh. AN SSSR no. 4:56-78 '63.

OREL PROVINCE—AUTHORS

Gromov, V. A. [Writers from Orel] Pisateli-orlovtsy. [Orel] Orlovskoe knizhnoe izd-vo, 1961. 41 p.

[MICROFILM]

OREL PROVINCE—FIELD CROPS—ECONOMIC ASPECTS

Use of mathematical methods in the economic analysis and planning of agricultural production. I. Zagaitov. Plan khoz. 41 no 8 66-71 Ag '64

ORENBURG PROVINCE—PETROLEUM GEOLOGY

Trends in prospecting for gas-and oil-bearing sturctures in the Buzuluk trough and adjacent regions. V. I. Kalinin and others. Geol. nefti i gaza 7 no. 11:6-13 N '63.

ORES—CLASSIFICATION

Method of breaking up oversize pieces of ore under restricted conditions. Zh. K. Zhamankulov, V. A. Fetisov, G. Kh. Sadykov. Trudy Inst. gor. dela AN Kazakh. SSR 12:155-158 '63.

ORES—SAMPLING AND ESTIMATION

Distribution curves of metal in ore bodies. Z. D. Nizguretskii. [Trudy] VNIMI no. 47:272-277 '62.

Geological and statistical methods of calculating mineral reserves. E. IA. Kievlenko. Razved. i okh. nedr 30 no. 2:21-26 F '64.

ORGANIC CHEMISTRY see Chemistry, Organic

ORGANIC COMPOUNDS

Afanas'ev, V. A. [Physical methods of studying the structure of molecules of organic compounds] Fizicheskie metody issledovaniia stroeniia molekul organicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 247 p.

Direct microdetermination of oxygen in organic compounds. G. D. Gal'pern, I. K. Chudakova, M. V. Egorushkina. Zhur anal khim 19 no 5:598-606 '64

Oxidation of organic compounds by potassium permanganate and a volumetric determination of sulfur. A. A. Abramian, R. S. Sarkisian. Izv AN Arm SSR. Khim nauki 16 no 2:131-135 '63

Simplified design of a microflame detector for gas-liquid chromatography. V. M. Nabivach, V. I. Dal'. Trudy DKHTI no. 16:149-159 '62.

ORGANIC COMPOUNDS—SPECTRA

Thermoluminescence and ESR spectra of organic compounds irradiated with fast electrons. M. V. Alfimov, V. G. Nikol'skii, N. IA. Buben. Kin. i kat 5 no. 2:268-276 Mr-Ap '64.

ORGANIC MATTER see subdivision under Baikal, Lake, Caucasus, Northern, Crimea

ORGANIC MATTER—SPECTRA

Mechanism of chemiluminescence during the oxidation of organic matter in solution. R. F. Vasil'ev, I. F. Rusina. Dokl AN SSSR 156 no. 6,1402-1405 Je '64.

ORGANIZATION OF AMERICAN STATES

Unsuccessful "crusade." A. Kartsev. Mezhdunar zhizn' 11 no. 9.125-128 S '64.

ORGANOMETALLIC COMPOUNDS

Conditions of the formation of metallo-organic compounds with charge transfer. P. S. Shantarovich, O. B. Salamatina. Zhur ob. khim 34 no 7:2298-2303 Jl '64.

ORIENTAL CIVILIZATION see Civilization, Oriental

ORIENTATION

Clinical and professional significance of illusions of the orientation in space. K. Kh Korolenok. Trudy Gos. nauch.-issl. inst. psikh. 40:55-64 '63.

ORLOV, IURII ALEKSANDROVICH, 1893-

IUrii Aleksandrovich Orlov; on his 70th birthday. Arkh anat gist i embr 45 no 11 126-128 N '63

ORLOV, VASILII

Take the best with you. A. IAkubovskii. Teatr 24 no. 12:51-56 D '63.

ORNITHINE

Arginine and ornithine consumption by Pseudomonas pyocyaneum P. and Pseudomonas fluorescens. E. N. Disler. Dokl. AN SSSR 156 no. 6:1448-1450 Je '64.

ORTHODOX EASTERN CHURCH

(see also subdivision under Argentina; Cyprus; Jerusalem)

Edicts of His Holiness Patriarch Aleksii. Zhur Mosk. Patr. no. 8 1 '64

News from the dioceses. Zhur. Mosk. Patr. no. 7:26-29 '64.

News from the dioceses. Zhur Mosk. Patr. no 8:22-24 '64

Services of His Holiness Patriarch Aleksii. Zhur. Mosk. Patr. no. 7:14 '64

Services of His Holiness Patriarch Aleksii. Zhur Mosk. Patr no 8 10 '64

ORTHODOX EASTERN CHURCH—CLERGY

Anchorite Archimandrite Mitrofan; obituary. Zhur. Mosk. Patr. no. 7:31 '64

Archpriest Nikolai Aleksandrovich Ponomarev; obituary. Zhur. Mosk. Patr. no. 7:32 '64.

Decisions of the Holy Synod. Zhur. Mosk Patr. no. 8 1-2 '64

Edicts of His Holiness Patriarch Aleksii to Archbishop Banili and Bishop Onisofor. Zhur. Mosk. Patr. no. 7:1 '64

Obituaries. Zhur. Mosk. Patr. no. 7:32 '64.

ORTHODOX EASTERN CHURCH—PERIODICALS see subdivision under Rumania

ORTHODOX EASTERN CHURCH—PRAYER BOOKS AND DEVOTIONS

Octoichos. Zhur. Mosk Patr. no. 6.79 '64.

ORTHODOX EASTERN CHURCH—RELATIONS

(see also subdivision under Rumania)

Brief news. Zhur. Mosk. Patr. no. 7:13 '64.

Brief news. Zhur. Mosk. Patr. no. 8:8 '64.

Congratulations from His Holiness Patriarch Aleksii and His Eminence Metropolitan Nikodim to Dr. F. Hromadka on the occasion of his 75th birthday. Zhur. Mosk. Patr. no. 7:11-12 '64.

ORTHODOX EASTERN CHURCH—RELATIONS (Continued)

D[illegible] Zhur Mosk Patr no 7 [illegible] '64

Delegation of the Russian Orthodox Church [illegible] Zhur Mosk Patr [illegible] '64

Easter greetings received by His Holiness Patriarch Aleksii from the heads of churches. Zhur Mosk Patr no 7:2-11 '64

Exchange of Easter greetings between Pope Paulus VI and His Holiness Patriarch Aleksii. Zhur Mosk Patr [illegible] '64

Exchange of messages between His Holiness Patriarch Aleksii and Archbishop Gunnar Hultgren. Zhur Mosk Patr [illegible] '64

Exchange of telegrams between Patriarch Aleksii and Pope Paulus VI. Zhur Mosk Patr no 7:11 '64

History of [illegible] Rostov. Zhur Mosk Patr [illegible] '64

Journey to Denmark (to be continued). Bishop Aleksii. Zhur Mosk Patr [illegible] '64

Journey to Denmark (conclusion). Bishop Aleksii. Zhur Mosk Patr no 7:32-37 '64

The joy of communion. Archimandrite Dionisii. Zhur Mosk Patr no 7:57-61 '64

Message from His Holiness Athenagoras, Patriarch of Constantinople, to His Holiness Patriarch Aleksii on the occasion of his name day. Zhur Mosk Patr no 7:1-2 '64

Officials of the World Council of Churches visit Northern Russian monasteries and the Georgian Orthodox Church. Zhur Mosk Patr no 7:54-56 '64

On the [illegible] of Dr J. Hromadka to the Soviet Union. Zhur Mosk Patr no 7:4-6 '64

Session of the Executive Committee of the World Council of Churches. A Kazem-Bek. Zhur Mosk Patr no 7:47-51 '64

ORTHODOX EASTERN CHURCH, RUSSIAN

Grekulov, F. F. [The Orthodox inquisition in Russia] Pravoslavnaia inkvizitsiia v Rossii. Moskva, Izd-vo "Nauka," 1964. 166 p. (Nauchno-populiarnaia seriia)

ORTHOPEDIA

(see also subdivision under Dushanbe, Tajikistan)

Rukhman, L. E. [Fundamentals of orthopedics and the application of prostheses in children] Osnovy ortopedii i protezirovaniia u detei. [Leningrad] Meditsina, 1964. 525 p.
(DNLM)

ORTHOPEDIC APPARATUS

Rukhman, L. E. [Fundamentals of orthopedics and the application of prostheses in children] Osnovy ortopedii i protezirovaniia u detei. [Leningrad] Meditsina, 1964. 525 p.
(DNLM)

ORTHOPEDIC APPARATUS INDUSTRY see subdivision under Tambov

ORVID, G

Good example. B. Rurov. Sov. muz. 28 no. 2:101 F '64.

OSCILLATORS, CRYSTAL

Special features in controlling the frequency of quartz oscillators. G. B. Al'tshuller, B. G. Parfenov. Elektrosviaz' 18 no. 8:31-37 Ag '64.

OSCILLATORS, ELECTRIC

Calculation of composite oscillatory systems. B. I. Kurilin. Izv. vys. ucheb. zav., radiotekh. 7 no. 2: 180-185 Mr-Ap '64.

Labutin, V. K. [Oscillatory circuit tuned by a nonlinear capacitance] Kolebatel'nyi kontur, perestraivaemyi nelineinoi emkost'iu. Moskva, Izd-vo "Energiia," 1964. 94 p.

OSCILLATORS, ELECTRON-TUBE

Superhigh-frequency nanosecond video pulse oscillator. A. D. Sushkov, V. A. Meos. Zhur. tekh. fiz. 34 no. 7: 1206-1209 Jl '64.

Vishniakova, M. S [Lectures for the second part of a course in "Theoretical principles of radio engineering": LC-generators of sinusoidal oscillations with positive feedback] Lektsii po vtoroi chasti kursa "Teoreticheskie osnovy radiotekhniki". LC-generatory sinusoidal'nykh kolebanii s polozhitel'noi obratnoi sviaz'iu. Moskva, Vses. zaochnyi energeticheskii in-t, 1961. 84 p.
[MICROFILM]

OSCILLATORS, TRANSISTOR

Signal generator D Starodub Radio no 1:53-55 Ja '64

OSCILLOGRAPHY

Oscillographic study of the drop of oxygen overvoltage on a nickel anode. IA. I. Tur'ian, A. I. TSinman. Zhur. fiz. khim. 36 no. 3:659-661 Mr '62.

OSMOSIS

Use of the Barger method for determining the osmotic suction of soil solutions. V. N. Filippova, L. A. Mysina. Pochvovedenie no. 7:107-109 Jl '64.

OSSETIA, SOUTH—RHODODENDRON

Primary stages of the development of Caucasian rhododendron (Rhododendron caucasicum Pall) M S Shatalina Bot zhur 49 no 5:690-696 My '64

OSSETIC LANGUAGE—PHONETICS

Isaev, M. I. [Outline of the phonetics of literary Ossetic] Ocherk fonetiki osetinskogo literaturnogo iazyka. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1959. 86 p.
[MICROFILM]

OSSIFICATION

Some characteristics of the process of ossification of bones of the hand and the distal section of the forearm. V. A. Mtvaradze. Soob. AN Gruz. SSR 33 no. 3:679-686 Mr '64

OSSVÁTH, ANDRÁS

The prizewinner, a sergeant of the 'Honvéd " A. Korol'kov Starsh -serzh no 7:38 Jl '64.

OSTEOCHONDROSIS

A (hypo) gammaglobulinemia in paraprotein reticuloses (multiple myeloma, Waldenstrom's disease). G. A. Alekseev. Probl. gemat. i perel. krovi 8 no. 8:41-45 Ag '63.

OSTROVSKII, ARKADII IL'ICH, 1914-

Our jubilarians: I. F. Boelza, Kh. V. Valiullin, A. I. Ostrovskii. Sov. muz 28 no. 2:142-144 F '64

OTORHINOLARYNGOLOGY

Results of a dispensary observation on patients with otorhinolaryngological diseases and their treatment in the unit. I. V. Dzhagupov. Voen.-med. zhur. no. 1:78-81 '63.

OVARIES

Efferent lymphatic vessels of the cervix uteri and ovaries E V. Antipova Akush i gin 39 no. 5:82-85 S-O '63.

Functional morphology of the ovaries of fetuses and newborn infants. L. E. Etingen. Trudy Tadzh. med. inst. 50:55-58 '61.

OVARIES—CANCER

Bone marrow hematopoiesis in patients with malignant ovarian tumors. I. L. Turbina. Vop. onk. 9 no. 6:24-30 '63.

Case of malignant degeneration of a paraovarian cyst. N. I Beskrovnaia, G V. Brodskii Akush i gin. 39 no 5,151-152 S- O '63.

Functional state of the adrenal cortex in benign and malignant tumors of the uterus and ovaries. E. M. Samundzhan, V. S. Vladimirova. Vop. onk. 10 no 3: 93-98 '64.

OVARIES—RUPTURE

Rupture of the ovary and acute appendicitis. M. A. El'kin, F P Tikhomirova. Sov. zdrav. Kir. no. 6,9-12 N-D '63.

Rupture of the ovary in children. M. A. El'kin, M. I. Zel'tser. Akush. i gin. 40 no. 1:141-142 Ja-F '64.

OVARIES—TUMORS

Case of combined granulosa cell tumor of the ovary and adenocarcinoma of the uterus. I. L. Butov, V. N. Spivak. Akush. i gin. 40 no. 1:145-146 Ja-F '64.

OVERVOLTAGE

Effect of selenium, tellurium, arsenic, and antimony on hydrogen overvoltage on steel in an acid medium [with summary in English]. S. M. Beloglazov. Zhur. fiz. khim. 38 no. 2:427-433 F '64.

Hydrogen overvoltage in an alkaline solution of chloride on thermally and air-oxidized iron cathodes. E. M. Kuchinskii, G. N. Kokhanov. Zhur. fiz. khim. 36 no. 3: 480-488 Mr '62.

Oscillographic study of the drop of oxygen overvoltage on a nickel anode. IA. I. Tur'ian, A. I. TSinman. Zhur. fiz. khim. 36 no. 3:659-661 Mr '62.

OVUM

Study of the nuclear structures of frog oocytes. P. V. Makarov Arkh. anat gist i embr 45 no. 11:53-61 N '63

OWLET MOTHS see subdivision under White Russia

OXABICYCLOHEPTANEDICARBOXYLIC ACID

Behavior of dimethyl ester of 3-bromo-3, 6-endoxohexahydrophthalic acid in solvolysis. N. S. Zefirov, R. S. Filatova, IU. K. IUr'ev. Zhur. ob. khim. 34 no. 7:2468-2469 Jl '64.

OXALATES

Cocrystallization of barium and strontium oxalates. A. N. Kirgintsev, T. A. Nikashina. Zhur. neorg. khim. 9 no. 6:1450-1454 Je '64.

OXALIC ACID

Effect of oxalic acid on the catalytic properties of vanadium (V) compounds in some redox reactions. K. B. IAtsimirskii, V. E. Kalinina. Zhur. neorg. khim. 9 no. 6:1328-1332 Je '64.

Production of oxalic acid from peat. Kh. I. Rivkina, N. V. Kul'kova. Torf. prom. 41 no. 1:26-29 '64.

OXAMIC ACID

Oxalic acid amides and hydrazides. Part 6: Oxaminoyl hydrazones and β-acylhydrazides of N-substituted oxaminic acids. P. A. Petiunin, M. V. Zakaliazhnyi. Zhur. ob. khim. 34 no. 7:2121-2126 Jl '64.

OXAZOLIDINONE

Elimination of Lamblia with furazolidone. C. L. Lenkauskaite. Med. paraz i paraz. bol. 32 no. 4,414-415 Jl-Ag '63.

OXIDATION

Auto-oxidation of 2-cyclohexyl-p-xylene in the liquid phase R. N. Volkov, IU. S. TSybin. Zhur. ob. khim. 34 no. 7:2335-2340 Jl '64.

Carbon oxidation in a steel smelting bath. P. G. Tokarev, D. V. Abrosimov, M. P. Sablev. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:68-68 '64.

Catalytic oxidation and ammonolysis of propylene on bismuth molybdates. I. K. Kolchin, S. S. Bobkov, L. IA. Margolis. Neftekhimiia 4 no. 2:301-307 Mr-Ap '64

Dependence of the induction period of the oxidation of polyethylene and polypropylene on the concentration of phenyl-β-naphthylamine J. Sliapnikovas, J. Kapaciauskiene. Trudy AN Lit. SSR. Ser. B no. 1:175-181 '64.

Effect of organic impurities on the oxidation regularities of iodine ion with chlorine and hypochlorite in natural waters. G. R. Zalkind, S. I. IAtovskii. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 4 36-43 '63.

Investigating the effect of oxygen formed during the reduction of TiO_2 on the oxidation of titanium V. A. Dorin, F. M Tartakovskaia. Fiz. met i metalloved. 17 no. 4:636-540 Ap '64.

Kinetics of oxidation of cyclohexanone and 3-methylcyclohexanone with ammonium metavanadate in acid media. I. IA. Lubianitskii. Kin. i kat. 5 no. 2:235-240 Mr-Ap '64.

Kinetics of the simultaneous oxidation of cumene and ethylbenzene. Part 2 [with summary in English]. V. L. TSepalov, V. IA. Shliapintokh, Chzhou Pei-khuan [Chou P'ei-huang]. Zhur. fiz. khim. 38 no. 2:351-355 F '64.

Liquid phase oxidation of carbon monoxide. G. P. Zakumbaeva and others. Dokl. AN SSSR 156 no 6: 1366-1368 Je '64.

Mechanism of decarboxylation of acids in the liquid phase oxidation of hydrocarbons. Role of polar factors in free radical reactions. I. V. Berezin, A. M. Ragimova. Zhur. fiz. khim. 36 no. 3:581-587 Mr '62.

Oxidation kinetics of molten slags. P. M. Shurygin, M. S. Sherstobitov, L. N. Barmin. Sbor. nauch. trud. Ural. politekh. inst. no. 126:86-94 '63.

Oxidation of alkoxymethyl-γ-chloroallylacetic acids by hydrogen peroxide in an acetic acid medium. P. G. Mesropian, M. T. Dangian, E. G. Kaliakhchian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1:47-50 '63.

Oxidation of atmospheric nitrogen in gas furnaces. V. F. Kopytov, A. I. Strzhenskii, O. A. Zagorovskii Gas prom 9 no. 7 26-29 '64

Oxidation of cinnamic acid octyl esters. A. K. Pliss, O. S. Stepanova. Nauch. ezhegod. Khim. fak. Chern. un. no. 2:99-102 '61.

Oxidation of methane in formaldehyde initiated by nitromethane. R. I. Moshkina, A. B. Nalbandian Neftekhimiia 4 no. 2:286-289 Mr-Ap '64

Oxidation of methane into formaldehyde initiated by nitrosyl chloride and nitrile chloride. O. A. Ivanova, A. B. Nalbandian. Neftekhimiia 4 no. 2:280-285 Mr-Ap '64.

Oxidation of toluene on copper catalysts with added molybdenum and tungsten oxides. I. I. Popova, B. V. Kabakova Kin. i kat. 5 no. 2:324-329 Mr-Ap '64.

Synergistic effect of potassium stearate on the inhibiting properties of a manganese catalyst for oxidation of hydrocarbons. V. M. Gol'dberg, L. K. Obukhova Neftekhimiia 4 no. 2:294-297 Mr-Ap '64.

Synthesis of polyfunctional inhibitors for the oxidation of fuels. E. N. Mazitova, O. S. Durova, V. V. [illegible] Neftekhimiia 4 no. 2:323-328 Mr-Ap '64.

Use of the colored etching method in studying the activity of tungsten crystal faces relative to oxygen O. V. Mitrofanov. Kristallografiia 8 no. 2 229-231 Mr-Ap '63.

OXIDATION, ELECTROLYTIC

Anodic repassivation of titanium in hydrochloric acid. M. N. Fokin, R. L. Baru. Dokl. AN SSSR 157 no. 4:954-956 Ag '64.

Galvanoluminescence of an anode oxide film on aluminum in diethylphthalate. M. I. Kidelberg. Opt. i spektr. 17 no. 2:244-249 Ag '64.

Kinetics of electrolytic oxidation with simultaneous evolution of oxygen and of electrolytic reduction with evolution of hydrogen. N. E. Khomutov. Zhur. fiz. khim. 38 no. 2:514-517 F '64.

OXIDATION, PHYSIOLOGICAL

Effect of respiration inhibitors on the survival of the infusorian Paramecium caudatum. L. N. Seravin, IU. V. Natochin. TSitologiia 5 no. 4:461-465 Jl-Ag '63.

OXIDATION, PHYSIOLOGICAL (Continued)

Structural characteristics and oxidative metabolism in a granular fraction isolated from human blood platelets. N. B. Cherniak, A. A. Totskaia. Vop. med. khim. 9 no. 2:146-154 Mr-Ap '63.

Tissue respiration in combined radiation effect. S. G Shukurian. Vop. rent. i onk 7.199-204 '63.

OXIDATION-REDUCTION REACTION

Age-related changes in the oxidation-reduction processes and their variation at different levels of the plant in cotton varieties differing by the ripening time. E. L Tukicheva. Trudy Inst. bot AN Kazakh. SSR 16.157-165 '63.

Circuit of a redoxistat with continuous proportioning of reagent for the synthesis of some substances and the simultaneous study of the kinetics of corresponding reactions [with summary in English]. M. S. Sytilin. Zhur. fiz. khim. 38 no. 2.518-520 F '64.

Effect of natural convection on the recharging rate in reversible redox systems [with summary in English]. O. B. Khachaturian, N. S. Fedorova. Zhur. fiz. khim. 38 no. 2 372-374 F '64.

Effect of the redoxpotential of the external environment on the sensitivity of the muscle to acetylcholine N. G Aleksidze. Biofizika 7 no. 5:602-609 '62.

Law of active masses as applicable to the kinetics of metal reduction by carbon. V. M. Shchedrin. Trudy Inst. met. no. 14:13-24 '63.

Oxidation-reduction processes in ruminant semen and their change under the action of synthetic media. Kh Kh. Khabibullin Trudy VIZH 25:123-131 '63

Oxyhemometric method of determining the activity of the course of oxidation-reduction processes in late pregnancy toxemias. N. F. Mil'chenko Akush. i gin. 40 no. 1:59-63 Ja-F '64

Redox potentials of p-hydroxyphenylglycine at varying pH values. IA. M. Veprik, G. P. Faerman. Zhur. fiz. khim. 36 no. 3:502-507 Mr '62.

OXIDES

Chemistry of organic oxides. Part 23: Addition of methyldichlorosilane to bivinyl and isoprene oxides. I. E. Shurikova, V. M. Al'bitskaia, A. A. Petrov. Zhur. ob. khim. 34 no. 7:2262-2267 Jl '64.

"High-temperature chemistry of silicate and other oxide systems" by N. A. Toporov, V. P. Barzakovskii. Reviewed by P. P. Budnikov Vest. AN SSSR 34 no. 7 122-123 Jl '64.

Polarographic study of N-oxide of N-methylpiperidine. Kinetic waves of N-oxides. S. G. Mairanovskii, N. V. Barashkova, F. D. Alashev. Zhur. fiz. khim. 36 no. 3: 502-506 Mr '62.

OXYACETYLENE WELDING see Gas welding and cutting

OXYGEN

Detection of atomic oxygen during the cold flame oxidation of carbon disulfide by molecular oxygen. V. V. Azatian, A. B. Nalbadian, E. N Sarkisian. Dokl. AN SSSR 158 no. 1:179-181 S-O '64.

Determination of the rate constant of the reaction of atomic oxygen with methane. V. V. Azatian, A. B. Nalbadian, Tsui Men-iuan' [Tsui Mêng-yüan]. Kin. i kat. 5 no. 2: 201-210 Mr-Ap '64.

Ionization of oxygen at a three-phase boundary in alkaline solutions [with summary in English]. IU. A. Mazitov, K. I. Rozental', V. I. Veselovskii. Zhur. fiz. khim. 38 no. 2:449-455 F '61.

Reaction between oxygen atoms and methyl alcohol. V. V. Azatian, A. B. Nalbandian, K. T. Oganesian. Dokl. AN SSSR 157 no. 4:930-933 Ag '64.

Relation between the quantities of O_2 and CO_2 consumed by heterotrophic bacteria. V. I. Romanenko. Dokl. AN SSSR 157 no. 1:178-179 Jl '64

Study of an oxygen electrode on a chromium-nickel carrier. O. K. Davtian, D. N. Izmailova-Ratushnaia, B. A. Manakin. Nauch. ezhegod. Khim. fak. Od. un. no. 2:120-123 '61.

OXYGEN—ANALYSIS

Direct microdetermination of oxygen in organic compounds. G. D. Gal'pern, I. K. Chudakova, M. V. Egorushkina. Zhur. anal. khim. 19 no. 5:598-606 '64.

OXYGEN—INDUSTRIAL APPLICATIONS

Sulfur oxidation in an oxygen-blown converter process. G. N. Oiks, K. Looze. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:58-62 '64.

Testing and starting an oxygen-blown converter with a 100-ton batch. M. IA. Brovman and others. Stal' 23 no. 4:303-305 Ap '64.

OXYGEN—INDUSTRIAL APPLICATIONS—BIBLIOGRAPHY see Bibliography—Oxygen—Industrial applications

OXYGEN—PHYSIOLOGICAL EFFECT

Oxygen effect and postradiation recovery after X-ray treatment of a bacterial cell. E. A. Val'dshtein. TSitologiia 6 no. 4:480-481 Jl-Ag '63.

OXYGEN COMPOUNDS

Obtaining oxygen-containing compounds from technical $C_3 - C_5$ hydrocarbon mixtures. IU. I. Kozorezov and others. Neftekhimiia 4 no. 2:290-293 Mr-Ap '64.

OXYGEN IN THE BODY

Changes of oxygen tension in dog brain tissues in a rarefied atmosphere. E. A. Kovalenko. Pat. fiziol i eksp. terap. 6 no. 4 18-21 Jl-Ag '62.

OXYGEN ISOTOPES

Studying the isotope effect in thermal decomposition of ozone I. A. Tikhomirov, V. N. Melenevskii Izv Sib otd AN SSSR no 12 131-133 '62

OXYTETRACYCLINE

Liver function tests in balantidiasis. V G Khamtsov Med. paraz. i paraz. bol. 32 no 4 416-421 Jl-Ag '63.

OXYTROPIS

Main paths in the evolution of Oxytropis species belonging to the section Baicalia Bge B A IUrtsev Bot zhur 40 no 5 634-648 My '64

OYSTERS, FOSSIL see subdivision under Krasnovodsk Peninsula

OZOCERITE—THERAPEUTIC USE

Apropos of ozocerite treatment in sterility combined with other methods of conservative therapy under ambulatory conditions. M. V. Zhurba. Akush. i gin. 40 no. 1: 110-113 Ja-F '64.

OZONE

Formation of ozone from the dissociation products of carbon dioxide in a glow discharge. I. V. Nikitin, E. N. Eremin. Zhur. fiz. khim. 36 no. 3:616-619 Mr '62.

Studying the isotope effect in thermal decomposition of ozone. I. A. Tikhomirov, V. N Melenevskii Izv Sib. otd AN SSSR no 12 131-133 '62.

PACIFIC OCEAN—ATMOSPHERIC PRESSURE

Study of the upper baric formations over the northern part of the Pacific Ocean V V Luk'ianov Trudy Inst okean 72.78-93 '63.

Thermodynamic properties of air masses in the northern part of the Pacific Ocean V. M Burlutskaia Trudy Inst okean 72 3-40 '63

PACIFIC OCEAN—BIRDS—MIGRATION

Transequatorial migrations of the short-tailed shearwater (Puffinus tenuirostris (Temm)) V P. Shuntov Zool. zhur. 43 no 4.590-598 '64

PACIFIC OCEAN—CYCLONES

Regions of anticyclogenesis over the southern part of the Pacific Ocean V D Burmistrova. Trudy Inst. okean 72 41-49 '63

Speed of movement of cyclones and anticyclones over the northern part of the Pacific Ocean. V V Luk'ianov, V. D. Burmistrova Trudy Inst okean 72.72-77 '63

Tropical cyclones of the Pacific Ocean. V V. Luk'ianov. Trudy Inst okean 72 50-71 '63

PACIFIC OCEAN—SEISMIC WAVES—SPEED

Longitudinal wave velocities in the earth's upper mantle in the region of the Japanese and Kurile Islands S. A Fedotov and others. Izv. AN SSSR. Ser. geofiz. no 8 1185-1191 Ag '64

PACIFIC OCEAN—SHEARWATER (BIRD)

Transequatorial migrations of the short-tailed shearwater (Puffinus tenuirostris (Temm.)) V. P. Shuntov Zool. zhur. 43 no. 4 590-598 '64.

PACIFIC OCEAN—WINDS—MAPS

Maps of prevailing and resultant wind, turbulence and divergence of resultant wind over the Pacific Ocean IU. A. Romanov. Trudy Inst. okean 72 94-105 '63.

PACKAGING—BIBLIOGRAPHY see Bibliography—Packaging

PACKED TOWERS

Comparing the operations of deasphalting towers. V. M. Shkol'nikov. Nefteper. i neftekhim. no. 2:34-38 '64.

Infinite reflux operation of a packed column in the rectification of multicomponent mixtures. V. S. Kortikov, D. D. Zykov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7: 56-59 '63.

PACKING (MECHANICAL ENGINEERING)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Reinforced rubber sleeves with springs for packing shafts] Manzhety rezinovye armirovannye s pruzhinoi dlia uplotneniia valov (MN 5308-64—MN 5310-64). Moskva, Izd-vo standartov, 1964. 23 p. (SSSR. Normali mashinostroeniia)

Unit for testing packing. V. M. Litvinov. Mash. i neft. obor. no. 5:7-9 '63.

PAIN

Characteristics of ascending activation of the cerebral cortex in a state of physical starvation and during pain stimulation. K. V. Sudakov, IU. A. Fadeev. Fiziol. zhur. 49 no. 11:1310-1317 N '63.

Some aspects of the pain problem; pain as a natural mechanism of evaluation. V. O. Vasylenko. Fiziol. zhur. 10 no. 1:102-106 '64.

PAIN—PHYSIOLOGICAL EFFECT

Effect of pain on the functional activity of alkaline phosphatase in the kidneys of white rats. G T. Adunts, R. A Abramova Izv. AN Arm SSR. Biol nauki 17 no 2.21-32 F '64

PAINT INDUSTRY see subdivision under Dnepropetrovsk

PAINTING, INDUSTRIAL

A mobile painting shop T Grigor'eva. Energ stroi. no. 33:84-86 '63

Using vinyl-perchloride paints in the repair façades of Moscow buildings N P Il'ina, A V Ivanova Sbor nauch rab AKKH no.16 70-73 '62

PAINTINGS

Feofanov, O. A. [Secrets of the golden frame] Tainy zolotoi ramy. Moskva, Politizdat, 1964. 62 p.

PAKISTAN—PETROLEUM GEOLOGY

Cooperation between the Soviet Union and Pakistan in petroleum prospecting M Khairauddin Geol nefti i gaza 7 no 12 47-48 D '63

PAKISTAN, EASTERN—ART

Artists of Eastern Pakistan S Baranov Az. i Afr seg 8 no 6 50-52 Je '64

PALEOBOTANY, STRATIGRAPHIC see subdivision under Koturvan region (Armenia); Sakhalin

PALEONTOLOGY

(see also subdivision under Georgia)

Present-day problems and the objectives of studying the history of faunas and the environment they inhabited I. G. Pidoplichko. Prirod. obst. i fauny prosh. no 1:9-30 '63.

PALEONTOLOGY, STRATIGRAPHIC

(see also subdivision under Belev region, Tula Province, Kazakhstan, Rostov Province; Ukraine)

Moscow. Institut geologii i razrabotki goriuchikh iskopaemykh. [Biostratigraphy of the oil- and gas-bearing provinces of the U. S. S. R., paleontology and biostratigraphy of the Paleozoic sediments of the oil- and gas-bearing provinces of the U. S. S. R.] Biostratigrafiia neftegazonosnykh oblastei SSSR, paleontologiia i biostratigrafiia paleozoiskikh otlozhenii neftegazonosnykh oblastei SSSR. Moskva, Izd-vo "Nauka," 1964. 147 p.

Natural conditions of Paleolith based on archaeological data. P. S. Makeev. Prirod. obst. i fauny prosh no. 1: 31-65 '63.

PALESTINE—MONASTICISM AND RELIGIOUS ORDERS, ORTHODOX EASTERN

For the novitiate in the Holy Land Novice Nina (Latai). Zhur. Mosk Patr. no. 6 20-23 '64

PALESTINE—POLITICS

The Palestine question. B. Solov'ev. Mezhdunar. zhizn' 11 no. 9.151-152 S '64.

PALLADIUM—ANALYSIS

Amperometric titration of palladium with 1,2-cyclohexanedione dioxime. O. M. Ivonina Zhur. anal. khim. 19 no. 5:644-646 '64.

PALLADIUM COMPOUNDS

Determination of the stability constants of palladium (II) bromide complexes. N. K. Popovicheva, A. A. Biriukov, V. I. Shlenskaia. Zhur. neorg. khim. 9 no. 6:1482-1483 Je '64.

PALYGORSKITE CRYSTALS

Electron diffraction data on the structures of sepiolite and palygorskite B. B. Zviagin, K. S. Mishchenko, V. A. Shitov Kristallografiia 8 no 2:201-206 Mr-Ap '63.

PALYNOLOGY

(see also subdivision under Sakhalin)

Safarova, S. A. [Into the depths of millennia with a microscope] S mikroskopom v glub' tysiacheletii. Moskva, Nauka, 1964. 55 p. (Nauchno-populiarnaia seriia)

PAMIRS—ALTITUDE, INFLUENCE OF

Data of electrocardiographic and ballistocardiographic examinations of the inhabitants of medium-altitude and high-altitude regions of the Pamirs. B. IA. Grinshtein. Sov. zdrav. Kir. no. 6:13-19 N-D '63.

PAMIRS—PLANTS, EFFECT OF ULTRAVIOLET RAYS ON

Photoreactivation in higher plants. IU. L. Sokolov, A. V. Gurskii, L. F. Ostapovich. Biofizika 8 no. 1:127-129 '63

PANCREAS—CANCER

X-ray studies in tumors of the pancreas. V. A. Fanardzhian, Gr. A. Danielian. Vop. rent. i onk. 7 245-265 '63.

PANCREAS—RADIOGRAPHY

X-ray studies in tumors of the pancreas. V. A. Fanardzhian, Gr. A. Danielian. Vop. rent. i onk. 7.245-265 '63.

Changes in external and internal secretions of the pancreas during hibernation and hypothermia. D.N. Buachidze. Trudy Inst.eksp i klin.khir.i gemat.AN Gruz.SSR 11;41-46 '63.

Incretory changes in the pancreas in mechanical jaundice and the degree of their reversibility following the reestablishment of the discharge of bile. D.N.Buachidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:139-142 '63

Technique of determining lipase in the pancreatic juice and duodenal contents. G.K.Shlygin, L.S.Fomina, Z.M.Pavlova. Vop.med.khim. 9 no.2:197-200 Mr-Ap '63.

PANCREAS—SURGERY

General epileptic seizures caused by an adenoma of the pancreas and their cessation following surgery. N.P. IAverbaum. Zhur.nevr.i psikh. 63 no.9 1339-1340 '63

Shalimov, A.A. [Surgery on the pancreas] Khirurgiia podzheludochnoi zhelezy. Moskva, Meditsina, 1964. 226 p
(DNLM)

PANCREAS—TUMORS

General epileptic seizures caused by an adenoma of the pancreas and their cessation following surgery. N.P. IAverbaum Zhur.nevr.i psikh. 63 no.9;1339-1340 '63.

PANDER, CHRISTIAN HEINRICH, 1794-1865

Raikov, B.E. [Christian Pander; a prominent biologist-evolutionist, 1794-1865] Khristian Pander; vydaiushchiisia biolog-evoliutsionist, 1794-1865 Moskva, Izd-vo "Nauka," 1964. 95 p. (Nauchno-biograficheskaia seriia)

PANELS (BUILDING)

(see also subdivision under Kattakurgan, Samarkand Province)

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Farm buildings made of vibration rolled panels; based on materials of the Experimental Design Office of the Academy of Construction and Architecture of the U.S.S.R., the Klin Plant for Reinforced Concrete Elements (Moscow Province) and the Moscow Province Construction Administration] Sel'skokhoziaistvennye proizvodstvennye zdaniia iz vibroprokatnykh panelei; po materialam Eksperimental'no-konstruktorskogo biuro ASiA SSSR, Klinskogo zavoda zhelezobetonnykh konstruktsii (Moskovskaia obl.) i Mosoblstroiia. Moskva, Gosstroiizdat, 1963. 28 p.
[MICROFILM]

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Plant production of series 1605 A housing components; practices of the Kazan Plant No.1 for Large-Panel House Construction. Collection of articles] Zavodskoe izgotovlenie detalei domov serii 1605 A; opyt Kazanskogo zavoda krupnopanel'nogo domostroeniia No.1. Sbornik statei. Moskva, Gosstroiizdat, 1963. 45 p.
[MICROFILM]

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Preparing keramzit and reinforced foamed concrete panels for walls of industrial buildings, practices of the No.2 Combine for Reinforced Concrete Structures of the Main Administration for the Building Materials Industry of Moscow Province] Izgotovlenie keramzito- i armopenobetonnykh panelei dlia sten promyshlennykh zdanii, opyt kombinata zhelezobetonnykh konstruktsii No.2 Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1963. 43 p.
[MICROFILM]

Bracing 6-12M self-supporting wall panels to supporting structures of buildings. U.F.Fazylov. Sbor.nauch.trud.NII po stroi.ASiA no.4:44-48 '63.

Kireev, IU.N. [Sand-lime panels] Silikatnye paneli. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.14)

Measures for further improving the quality of large-panel housing construction. Biul.stroi.tekh. 20 no.7:3-5 Jl '63.

Steaming of large panels. Biul.stroi.tekh. 20 no.7:39 Jl '63.

Strength of vibrated brick panels. A.A.Adilkhodzhaev. Sbor.nauch.trud.NII po stroi.ASiA no.4:33-43 '63.

Study of the stability and deformability of embrasured panels in skewing. A.A Adilkhodzhaev, A.Akbarov, A.I.Leushkin. Sbor.nauch.trud.NII po stroi.ASiA no.4:10-18 '63.

PANTOTHENIC ACID

Effect of pantothenic acid and a mixture of globulins and histamine in experimental gastric ulcer. P.Georgiu, D.Dobiescu. Farm.i toks. 26 no.2;225-227 Mr-Ap '63.

Inhibition of the synthesis of pantothenic acid by some amino acids and yeasts of Torulopsis dattila. IU.N. Karasevich, L.P.Volkova, E.G.Kenig. Dokl.AN SSSR 158 no.1:212-213 S-O '64.

PAPER CHROMATOGRAPHY

Chemical studies on flavonoid compounds from the licorice Glycyrrhiza uralensis Fisch V.I.Lytvynenko Farmatsev zhur 18 no 5 20-25 '63

Determination of fatty monobasic and dibasic acids in the mustard cake by the paper chromatography method N.K.TSvetkova, N K.Budnikova Trudy Astr.tekh inst.ryb prom.i khoz. no 8:9-13 '62

Evaluation of the effectiveness of the chromatographic method of separating xanthophylls on paper with the aid of the C14 isotope V.S Saakov Biofizika 8 no 1:12? '63

Paper chromatography of chlorophylls a and b. E.M. Stanisheuskaia. Vestsi AN BSSR.Ser.biial.nav. no.4:52-56 '62.

Study on the carbohydrate composition of mustard cakes by the chromatographic method N K.TSvetkova, N.K. Budnikova Trudy Astr.tekh inst ryb prom.i khoz no.8:3-8 '62

Use of emission microspectral analysis in studying the spots on paper chromatograms. A.A Galoian, N.V. Korolev Dokl.AN Arm SSR 37 no 4:217-220 '63

Use of paper chromatography for determining carbohydrates in wort and beer. L.G.Shmidt. Trudy TSentr.nauch-issl.inst.piv.,bezalk.i vin prom. no 10;3-26 '63.

PAPER-CUTTING MACHINES

Nestor, I.M. [Single-knife BRP-4 paper-cutting machine] Odnonozhevaia bumagorezal'naia mashina BRP-4. Moskva, Izd-vo "Kniga," 1964. 68 p. (Novosti poligraficheskoi tekhniki i tekhnologii)

PAPER ELECTROPHORESIS

Electrophoretic examination of the total blood protein and protein fractions. N.V.Petriashvili. Trudy Inst eksp.i klin.khir.i gemat AN Gruz.SSR 11:205-211 '63.

Vertical cuvette for paper electrophoresis A A Strekalov. Lab delo no 7 444-446 '64

PAPERBOARD—MICROBIOLOGY

Volina, T.L., IU.P.Niuksha, and A.D.Shapiro. [Protection of paperboard against biological disintegration] Zashchita kartona ot biologicheskogo razrusheniia. Moskva, TSentr.nauchno-issl.in-t informatsii i tekhniko-ekon.issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 67 p. (Bumaga i tselliuloza)
[MICROFILM]

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr proizv. nos.7-8 Jl-Ag '64.

PARACHUTES

Attention to parachute devices. A Pilankov. Tekh.i voor.uzh. no.3;60 Mr '64.

PARACHUTING

Fight for speed E.Tkachenko. Kryl.rod. 15 no.5:12-13 My '64.

Handing the baton in the air. Kryl.rod. 15 no.5;27 My '64.

Osviannikov, K.A. [Parachute jumps from military transport planes] Pryzhki s parashiutom iz voennotransportnykh samoletov. Moskva, Voenizdat, 1964. 253 p.

Thirty minutes under parachute canopy. A Pasukhina. Kryl.rod. 15 no.5:17 My '64.

PARAFFINS

Boltyshev, A.A., S.F.Liushin, and V.A.Rasskazov. [Controlling paraffin sedimentation in flowing wells using whirling rabbits of the Ufa Petroleum Scientific Research Institute] Bor'ba s otlozheniiami parafina v fontannykh skvazhinakh pri pomoshchi letaiushchikh skrebkov UfNII. Ufa, Bashkirskoe knizhnoe izd-vo, 1959. 126 p.
[MICROFILM]

Dehydrocracking of paraffins over sulfide catalysts. V.T.Skliar, E.V.Lebedev, V.A.Zakupra. Neftekhimiia 4 no.2:200-208 Mr-Ap '64.

Expanding the raw-material reserves of paraffin on a base of paraffin oils from the Ukraine. N.IA.Rudakova and others. Khim.i tekh.topl.i masel 9 no.4.22-26 Ap '64.

Investigating solid oil paraffins by the refractometric method. A.N.Guseva, I.E.Leifman. Khim.i tekh.topl.i masel 9 no.4.13-16 Ap '64.

Investigating the extraction of paraffin hydrocarbons of normal structure from gasoline-ligroin fractions using molecular sieves [in Azerbaijani with summary in Russian]. G.G.Ashumov and others. Azerb.neft.khoz. 43 no.3;39-41 Mr '64.

Krentsel', B.A. [Chlorination of paraffin hydrocarbons] Khlorirovanie parafinovykh uglevodorodov. Moskva, Nauka, 1964. 157 p.

Liquid - vapor equilibrium in the system benzene - cyclohexane - methylcyclopentane. M.P.Susarev, R.V.Lyzlova. Zhur.fiz.khim. 36 no.3:437-442 Mr '62.

Photosensitized decomposition of saturated hydrocarbons and alcohols in the solid phase. N.N.Bubnov, N.M. Bazhin, V.V.Voevodskii. Kin.i kat. 5 no.2;357 Mr-Ap '64.

Solubility of paraffin in aromatic hydrocarbons and chlorine derivatives. A.P.Grishin, G.A.Tiliupo. Izv.vys.ucheb.zav., neft' i gaz 6 no.7:59-63 '63.

Thermocatalytic conversion of paraffins over oxide catalysts. V.T.Skliar, E.V.Lebedev, V.A.Zakupra. Neftekhimiia 4 no.2,209-214 Mr-Ap '64.

Using paint and varnish coatings to prevent paraffin sedimentation in gathering-system pipes V.A. Rasskazov, R.IA Nugaev. Neftepiom.delo no 7;29-31 '64.

PARAGONIMIASIS

Treatment of pulmonary paragonimiasis with bithionol. N.N.Plotnikov, S.K.Litvinov. Med.paraz.i paraz.bol. 32 no.4:405-407 Jl-Ag '63.

PARALYSIS

Differences in the temperature reaction in the paralyzed and normal halves of the body in spastic paralysis; Clinicofunctional comparisons. V.M.Matoshin. Zhur.nevr.i psikh. 63 no.9:1357-1360 '63.

Effect of some pharmacological substances on delirious ideas in progressive paralysis. M.A Rybalko. Trudy Gos.nauch.-issl.inst.psikh. 40;134-140 '63.

Physiopathology of hemiplegia following an epileptic seizure. V.A.Karlov. Zhur.nevr.i psikh. 63 no.9:1347-1351 '63.

PARALYSIS, FACIAL

Electromyographic examination of the mimetic musculature following recovery from palsy and epinuclear lesions of the facial nerve. A.K.Popov. Zhur.nevr.i psikh. 63 no.9:1322-1328 '63.

Grebeniuk, V.I., and IU.V.Chuprina. [Surgical treatment of paralyses of the facial muscles] Khirurgicheskoe lechenie paralichei litsevykh myshts. [Leningrad] Meditsina, 1964. 154 p (Biblioteka prakticheskogo vracha)
(DNLM)

Hereditary paralysis of the facial nerve. V.S.Rosin. Zhur.nevr.i psikh. 63 no.9,1320-1321 '63.

PARALYSIS, SPASTIC

Differences in the temperature reaction in the paralyzed and normal halves of the body in spastic paralysis. Clinicofunctional comparisons. V.M.Matoshin. Zhur.nevr.i psikh. 63 no.9:1357-1360 '63.

Paroxysmal myoplegia. N.A.Il'ina. Zhur.nevr.i psikh. 63 no.9:1352-1356 '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Electron paramagnetic resonance in zinc oxide subjected to mechanical treatment. V.B.Golubev, V.B.Evdokimov. Zhur.fiz khim. 38 no 2:477-478 F '64

Electron paramagnetic resonance method of detection of free hydrogen and oxygen atoms in rarefied flames of hydrogen sulfide with oxygen. G.A.Sachian, A.B Nalbandian. Izv.AN SSSR.Ser.khim. no 7:1340-1341 Jl '64.

Electron paramagnetic resonance of the products of interaction between dicyclopentadienyl vanadium dichloride and aluminum alkyls. G.A.Abakumov, A.E.Shilov, S.V.Shulyndin. Kin.i kat. 5 no.2:228-234 Mr-Ap '64.

Electron paramagnetic resonance spectra (EPR) of some polynuclear aromatic hydrocarbons. A.A.Berlin, V.A. Vonsiatskii, L.S.Liubchenko. Izv.AN SSSR Ser.khim. no.7:1184-1188 Jl '64.

Electron paramagnetic resonance spectra of HO_2 and DO_2 radicals obtained by freezing of the products of rarefied flames at 77°K. V.N.Panfilov. Kin.i kat. 5 no.2:211-214 Mr-Ap '64.

Electron paramagnetic resonance spectra of some γ- and photo-irradiated disubstituted acetylenes. V.I. Smirnova and others. Zhur.fiz.khim 38 no.2 469-471 F '64.

Experimental test of the thermodynamic theory of spin-spin paramagnetic relaxation in single crystals of salts of the iron group depending on their orientation in a parallel magnetic field H_o. T.I.Volokhova. Izv.vys.ucheb.zav.; fiz no.4:80-84 '64.

Thermoluminescence and ESR spectra of organic compounds irradiated with fast electrons. M.V.Alfimov, V.G.Nikol'skii, N.IA.Buben. Kin.i kat. 5 no.2:266-276 Mr-Ap '64.

Use of the paramagnetic resonance method in studying the products of the dark reduction of phthalocyanines by metallic sodium. V.E.Kholmogorov, A.V.Shablia. Opt.i spektr. 17 no.2,298-299 Ag '64.

PARAMECIUM

Effect of respiration inhibitors on the survival of the infusorian Paramecium caudatum. L.N.Seravin, IU.V. Natochin. TSitologiia 5 no.4;461-465 Jl-Ag '63.

Excitability in parameciums following stimulation by impulses of direct and alternating current. A.S. Presman. Biofizika 8 no.1:138-140 '63.

New data on the existence of a system of excitation in Paramecium caudatum Ehrbg. Report No.2. Reactions of P.caudatum to a. c. pulses. A.S. Presman, S.M.Rappeport. Nauch.dokl vys.shkoly; biol nauki no.3;44-4? '64.

Sorochenko. Dokl.AN SSSR 156 no.6:1326-1328 Je '64.

PARANOIA
Factor of congenital predisposition in the structure of involutional paranoid. I.S.Sumbaev. Trudy Gos.nauch.-issl.inst.psikh. 40:41-48 '63.
Reactivity of some links of the endocrine system in various forms of the course of schizophrenia. Report No. 1: Condition of the reactivity of the endocrine system in paranoid and nuclear forms of schizophrenia. E.I.Minsker. Zhur.nevr.i psikh. 63 no.9,1388-1397 '63.

PARASITES—BREAM see subdivision under Don Delta

PARASITES—CARP
Parasites of carp and the whitefish Coregonus peled from some lakes previously cleared of fish by polychloropinene. IU.A.Strelkov. Izv.GosNIORKH 55:124-126 '63.

PARASITES—CATTLE
Case of eperythrozoonosis in cattle. O.F Grobov Veterinariia 41 no.4 53-55 Ap '64

PARASITES—INFUSORIA
Pathology of infusorians. Report No. 2: Life cycles of Suctoria parasiting in Urostyla and Paramecium. A.V. IAnkovskii. TSitologiia 5 no.4:428-439 Jl-Ag '63.

PARASITES—MAMMALS
Larval diphyllobothriasis of wild animals in the Berezina State Preserve. M.F.Karaseu. Vestsi AN BSSR. Ser. biial.nav. no.4:130-132 '62.

PARASITES—MUSTELIDAE see subdivision under White Russia

PARASITES—PIGEONS
Biology of the pigeon tick Alectorobius (Alectorobius) conceps (Can.), 1890. M.V.Pospelova-Shtrom, L.L. Marfina. Med.paraz.i paraz.bol. 32 no.4:468-473 Jl-Ag '63.

PARASITES—PIKE PERCH see subdivision under Don Delta

PARASITES—SWINE
Comparative effectiveness of various methods of the diagnosis of trichinelliasis in swine A.S Bessonov Veterinariia 41 no.4 61-62 Ap '64
Immunological method of the diagnosis of trichocephaliasis in swine. A. Medzevicius. Veterinariia 41 no.4. 58-60 Ap '64.
Trichocephaliasis of swine. A.I Denisov. Veterinariia 41 no.4:57-58 Ap '64.
Vermifugal treatment of swine with piperazine and piperazine combined with phenothiazine O Plaan. Veterinariia 41 no.4:62-63 Ap '64.

PARASITES—WEASELS
Unusual localization of the nematode Molineus patens Petrov, 1928 in the pancreas of the weasel (Mustela nivalis L.). V.T.Shimalov. Vestsi AN BSSR. Ser. biial.nav. no.4:135 '62.

PARASITES—WHITEFISHES
Parasites of carp and the whitefish Coregonus peled from some lakes previously cleared of fish by polychloropinene. IU.A.Strelkov. Izv.GosNIORKH 55:124-126 '63.

PARASITIC PLANTS
Parasitism degree of dodders and the classification of parasitism of flowering plants. O.B.Natal'ina. Nauch. dokl.vys.shkoly; biol.nauki no.3:99-102 '64.

PARASITOLOGY
(see also subdivision under Zaporozh'ye Province)
Third Scientific and Practical Conference of Moscow City Sanitary and Epidemiological Station for Problems of Parasitology. B.A.Danilovich. Med.paraz.i paraz. bol. 32 no.4:506-508 Jl-Ag '63.

PARASITOLOGY—BIBLIOGRAPHY see Bibliography—Parasitology

PARASITOLOGY—CONGRESSES
Fourth Crimea Province Conference of Parasitologists. M.K.Gritsai, E.A.Kliushkina, O.IA.Miretskii. Med. paraz.i paraz.bol. 32 no.4:504 Jl-Ag '63.

PARASYMPATHOLYTIC AGENTS
Aprolidine, a new cholinolytic agent. M.D.Mashkovskii, K.Zaitseva. Farm.i toks. 25 no.6:679-684 N-D '62.
Cholinergic substances studied by means of infrared spectra. S.G.Kuznetsov. Zhur.ob.khim. 34 no.7:2379-2383 Jl '64.
Comparative action of cholinolytics containing tertiary and quaternary nitrogen upon the medulla oblongata centers and their ability to penetrate through the hematoencephalic barrier. A.E.Aleksandrova. Farm. i toks. 25 no.6:672-678 N-D '62.
Effect of cypenam and pentaphene on the central nervous system. General effects and toxicity of both preparations. V.M.Avakian. Farm.i toks. 26 no.5:543-551 S-O '63.

gists, Biochemists and Pharmacologists in Leningrad. L I.Tank Farm.i toks 26 no.2:251-252 Mr-Ap '63
Nicotinelike activity of a series of methyl esters of ω-dimethylamino- and ω-piperidyl-alkanecarboxylic acids. V.I.Il'inskii, K.M Khalimova. Farm.i toks. 26 no.5:603-606 S-O '63.
Pharmacological principles in the use of Soviet preparation chloracizin as an antidepressant. E L.Shchelkunov. Zhur.nevr.i psikh. 63 no.9 1415-1419 '63.
Relation bewteen the pharmacological action and chemical structure in the series of some tropine esters. A. L. Mndzhoian and others. Izv. AN Arm. SSR. Biol. nauki 15 no.12:3-14 D '62.
Studies on the effect of adreno- and cholinolytic drugs in the trigeminal section of the brain stem. R.IU. Il'iuchenok, R.B Matveeva Farm.i toks. 26 no 5 525-531 S-O '63.
Transformation in the body of certain cholinolytic substances containing the tertiary amino group into quaternary ammonium compounds. S.N.Golikov, S.G. Kuznetsov, D V.Ioffe. Farm i toks 25 no.6,651-657 N-D '62.

PARASYMPATHOMIMETIC AGENTS
Characteristics of central choline receptors stimulated by nicotine E V.Zeimal' Dokl AN SSSR 157 no 1 230-232 Jl '64

PARATHION
Determination of residual quantities of thiophos and mercaptophos in plant food products. G.IA.Isaeva, K.K.Enoshevskaia. Vop pit. 22 no 3,88-89 My-Je '63.

PARATUBERCULOSIS OF CATTLE see Johne's disease

PARIS—COMMUNE, 1871
Glorious banner of the Commune. R.IU.Kaganova. Vop.ist.KPSS 8 no.8:89-91 Ag '64.

PARIS—EUROPEAN WAR, 1914-1918
From the revolutionary past. K.M.Kochiashvili. Vop. ist.KPSS 8 no.8 92-97 Ag '64.

PARIS—MUSIC—COMPETITIONS
Long and Thibaud. Sov.muz. 28 no.2:87-88 F '64.

PAROTID GLANDS—INNERVATION
Sources of afferent innervation of the parotid glands in cats. V.I.Shkurko. Arkh.anat.,gist.i embr. 45 no.12:35-40 D '63.

PARQUET FLOORS
Zverev, A.G. [Safety manual for parquetry layers] Pamiatka po tekhnike bezopasnosti dlia parketchika. Moskva, Stroiizdat, 1964. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

PARQUET FLOORS—TECHNOLOGICAL INNOVATIONS
Dancing on parquet. A.Borin. Izobr i rats no 5:26 '64.

PARTHOGENESIS (ANIMALS)
Natural triploidy within a polymorphous group of the Caucasian lizard Lacerta saxicola Eversmann, resulting from hybridization between bisexual and parthenogenetic varieties of this species. I.S.Darevskii, V.N. Kulikova. Dokl.AN SSSR 156 no.1:202-205 S-O '64.

PARTICLE ACCELERATORS
Developing particle accelerators based on the use of intersecting beams. G.I Budker Vest AN SSSR 34 no.6:31-36 Je '64.
Device for studying the motion of particles in accelerators M.Barbier. Atom.energ 17 no.2 88-93 Ag '64.
High-frequency characteristics of a linear accelerator of multiply charged ions of an energy up to 1 Mev. per nucleon operating on an H_{111} wave. V.A.Bomko, E.I. Revutskii, L.I.Bolotin. Zhur.tekh.fiz. 34 no 7:1266-1271 Jl '64.
High-frequency single-cavity accelerator for 1 Mev. protons. A.A.Glazov. Zhur.tekh.fiz. 34 no.7:1272-1284 Jl '64.
Study of an accelerating system operating on an H_{111} wave. V.A.Bomko, E.I.Revutskii. Zhur.tekh.fiz. 34 no.7:1259-1265 Jl '64.
Unique atomic accelerator. Inform.biul.VDNKH no.8 37 Ag '63.

PARTICLE BOARD
Fireproof particle boards. Z.F.Pogrebniak, B.Z. Gorskii, G.P.Kladkevich. Stroi.mat. 9 no.6:14-16 Je '63.
Grinval'd, V.M. [Particle board from logging wastes] Struzhechnye plity iz otkhodov lesozagotovok. Moskva, TSentr.nauchno-issl.in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 26 p. (Lesoekspluatatsiia)
[MICROFILM]

boards from wood wastes. M.S.Finkel'shtein. Stroi. mat. 9 no.6:18 Je '63.

PARTICLE SIZE DETERMINATION
Determining the critical velocity of a fluidized polydispersed bed of granular material V N Petrov Izv vys ucheb zav , neft' i gaz 5 no 10 53-59 '62

PASSES (TRANSPORTATION)
Who gets a travel pass? G Kharchenko Sov.profsoiuzy 20 no 15 28-29 Ag '64

PASTURE RESEARCH
(see also subdivision under Caspian Sea region)
Works of A.P.Shennikov in the field of grassland research T.A.Rabotnov Biul MOIP Otd biol. 68 no 3 134-141 My-Je '63

PASTURES AND MEADOWS
(see also subdivision under Balkhash Lake region, Baraba Steppe; Kirghizistan; Streletskoye Steppe Preserve; Ural Valley, Volga Valley, Yamal-Nenets National Area)
Larin, I.V. [Meadow cultivation and pasture management] Lugovodstvo i pastbishchnoe khoziaistvo. 2., perer. i dop. izd. Leningrad, Izd-vo "Kolos," 1964. 513 p.
(DNAL)

PATENT LAWS AND LEGISLATION
Zamiatina, K.G. [Fundamental rights and duties of the authors of discoveries, inventions and efficiency suggestions] Osnovnye prava i obiazannosti avtorov otkrytii, izobretenii i ratsionalizatorskikh predlozhe- Perm', Permskoe knizhnoe izd-vo, 1960. 62 p.
[MICROFILM]

PATENTS
[Bulletin on inventions and trademarks] Biul.izobr.i tov. znak 41 nos.13-14 Jl '64.
The secret of a patent library. V.Agranovskii. Mol. komm. no 2:82-93 F '64.

PATENTS—INFORMATION SERVICES
Patent information should serve technical development. IU.P.Koniushaia. Mekh.i avtom.proizv. 18 no 1: 44-47 Ja '64.

PATHOGENIC FUNGI see Fungi, Pathogenic

PATHOGENIC PROTOZOA see Protozoa, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL PHYSIOLOGY see Physiology, Pathological

PATHOLOGICAL PSYCHOLOGY see Psychology, Pathological

PATHOLOGY
Qualitative characteristics of diseases. I.R.Petrov, V.K.Kulagin. Pat.fiziol.i eksp.terap. 6 no.4:3-8 Jl-Ag '62.

PATHOLOGY—ABSTRACTS
[General problems of pathology. Oncology] Ref.zhur.: Ob.vop.pat.Onk. nos.15-16 Ag '64. Avtorskii ukazatel' za 1963 g.

PATHOLOGY, CELLULAR
New data on substantial changes due to cell damage and stimulation. D.L.Rozental', A.S.Troshin. TSitologiia 5 no.4,365-378 Jl-Ag '63.
Physicochemical mechanisms of protein and polypeptide denaturation in relation to the problem of paranecrosis. V.P.Kushner. TSitologiia 5 no.4:370-390 Jl-Ag '63.

PATOM PLATEAU—GEOLOGY
Stratigraphy and metamorphic zoning of the Upper Pre-Cambrian of the Northern Baikal Highland and Patom Plateau conjugated area. D.A.Velikoslavinskii, B.V. Petrov. Trudy Lab.geol.dokem. no.18:126-132 '64.

PATRIOTISM
Patriotism shown by deeds. Agitator no.10:3-5 My '64.

PAVLODAR PROVINCE—VETERINARY MEDICINE
Listeriosis of animals in Pavlodar Province. A.A.Annagiev, I I.Guslavskii. Veterinariia 41 no.4:49-50 Ap '64.

PAVSTOVSKII, KONSTANTIN GEORGIEVICH, 1893-
Book on a prose master. E.Aleksanian. Nov.mir 40 no.1:256-258 Ja '64

PAYMENT
(see also subdivision under Communist Countries)
Accounting for payments to fruit and vegetable suppliers. R Abdullaev, N.Sazhin. Bukhg.uchet 20 no.12:56-58 D '63

PEACE
Bestowal of peace in Christ's redemption. K.Komarov. Zhur.Mosk.Patr. no.7:40-46 '64

PEACE (Continued)

[illegible] "[illegible]" Con- [illegible] Peace [illegible] Zhur M[illegible] [illegible] '64

[illegible] "G[illegible]" [illegible] Kon[illegible] Zhur M[illegible] [illegible]

Delegation of the Russian Orthodox Church to the Second All-Christian Peace C[illegible] Zhur Mosk Patr [illegible] '64

[illegible] Committee" Peace and abuse of Chris- [illegible] of the Christian Peace Congress P Sokolovskii Zhur Mosk Patr [illegible] 7 37-[illegible] '64

[illegible] of the [illegible] conference of the Christian Peace Conference in [illegible] P Sokolovskii. Zhur Mosk Patr [illegible] 7 [illegible]-40 '64

[illegible] as a coverant of life and [illegible] at the Second All Christian Peace [illegible] Zhur Mosk Patr [illegible] 8 44 [illegible] '64

R[illegible] O[illegible] C[illegible] and Peace Fund Bishop [illegible] Zhur Mosk Patr [illegible] 37 '64

PEACE—CONGRESSES

[illegible] of the Second All-Christain Peace Congress. Zhur Mosk Patr no 8 3 -42 '64

The [illegible] of the First Universal Congress of [illegible] of Peace Metropolitan Pimen Zhur Mosk Patr no. 6,29-[illegible] '64

Message from Archbishop Makarios, President of Cyprus, to Nikodim Metropolitan of Leningrad and Ladoga, Vice-President of the Christain Peace Conference Zhur Mosk Patr no 8 37 '64

Message from His Holiness Patriarch Aleksii to the [illegible] of the Second All-Christian Peace Congress Zhur Mosk Patr no 8 5-7 '64

N. S Khrushchev's answer to the greetings from the Second All-Christian Congress Zhur Mosk Patr no 8 3[illegible] '64

The Second All-Christian Peace Congress Zhur Mosk. Patr no 8 32-35 '64

Speech of Nikodim Metropolitan of Leningrad and Ladoga, at the opening of the Second All-Christain Congress Zhur Mosk Patr no 8 42-44 '64

Telegram for the Second All-Christian Congress in Prague to N S Khrushchev Chairman of the Council of Ministers of the U S S R Zhur Mosk Patr no 8 35-36 '64

Telegram from U Thant Secretary General of the United Nations to the Second All-Christain Congress Zhur Mosk Patr no 8 37 '64

PEACH

Metabolism in peaches grafted on different stocks K S Ha[illegible], F I Lesyk Dop. AN URSR no 8:1104-1107 [illegible]

PEAS
(see also subdivision under Lipetsk Province; Lithuania)

Changed metabolism in pea sprouts in connection with the salinization of the substratum L S Prikhod ko, L. K Kly[illegible]ev Trudy Inst bot AN Kazakh SSR 16:81-96 '63

Effect of molybdenum and vanadium on the yield and chemical composition of peas A V Peterburgskii. Agrokhimiia no 1 81-92 Ja '64

PEAS—HARVESTING
(see also subdivision under Kabardino-Balkar A. S. S. R.)

Technology of pea harvesting B. V. Fedoseev, L. K. Muradkhanian, A T Kovalev. Zemledelie 26 no. 6: 55-60 Je '64

PEASANT UPRISINGS see subdivision under Japan

PEASANTRY
(see also subdivision under Jordan; Poland, Russia, Northwestern, Siberia, Western)

Akademiia nauk SSSR. Institut istorii. [The soviets and the union of the working class and peasantry in the October Revolution] Sovety i soiuz rabochego klassa i krest'ianstva v Oktiabr'skoi revoliutsii; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 226 p.

The role of the crown peasants in Karelia, European Northern Russia, and the Urals in the development of industry, from the second half of the 18th through the first third of the 19th century. A. S. Cherevan' Uch. zap Petrozav gos un. 11 no. 1 142-200 '62

Study of the social and economic condition of the peasantry and the peasant movement in the region, at the end of the 19th and beginning of the 20th century. N.S.Zuzykina Trudy NIIM no.10:276-341 '63.

PEAT
(see also subdivision under Chukchi Peninsula)

Economics of and prospects for the use of peat in the by-product coke industry. L. V Semenov, O P Kirsanova, V. P Davydov. Trudy IGI 20 237-242 '63

Effect of manganese used with peat on the yield and quality of some crops M. I Kasatkin, T. N. Kiseleva Trudy Kostr sel'khoz inst "Kar " no. 3:107-112 '63

Effect of mineral fertilizers used with peat. M. I. Kasatkin Trudy Kostr. sel'khoz. inst "Kar " no. 3:113-118 '63

Manufacture of peat semi-briquets in the White Russian S. S. R. I. G. Tanovitskii, E. A. Osadchii Torf. prom. 41 no. 1:18-20 '64.

Peat bitumen in a model composition without stearin. A. F. Tkach. Torf. prom. 41 no. 1:25-26 '64.

Production of oxalic acid from peat. Kh. I. Rivkina, N. V. Kul'kova. Torf. prom. 41 no. 1,26-28 '64.

Raw material sources for the organization of the production of litter and peat insulation plates. N. O. Prokhorov, A. A. Tertyshnikov. Torf. prom. 41 no. 1:22-25 '64.

PEAT—CONGRESSES

International Congress on Peat in Leningrad M. N Nikonov, IA. I. Vinogradov. Pochvovedenie no 7:123-125 Jl '64.

PEAT BOGS

Layout of longitudinal sections in peat. A P. Glyzin Transp stroi. 13 no. 10:9-10 O '63

PEAT GASIFICATION

Simultaneous gasification of peat and peat tar K V. Malikov and others Gaz prom 8 no. 2:15-17 '63

PEAT INDUSTRY
(see also subdivision under Lithuania)

Exchange of experiences by the enterprises of the economic councils. Torf. prom. 41 no. 1:33-34 '64.

For a successful fulfillment of the decisions of the December Plenum of the Central Committee of the CPSU. Torf. prom. 41 no. 1:1-2 '64.

News review. Torf. prom. 41 no. 1 35-40 '64.

PEAT INDUSTRY—PERIODICALS

Fortieth anniversary of the "Torfianaia promyshlennost'" journal. Torf. prom. 41 no. 1:3-7 '64.

PEAT MACHINERY

Calculation of the basic parameters of the cutting machines for peat winning in deposits with woody inclusions. M. V. Murashov. Torf. prom. 41 no. 1:10-14 '64.

Kashlev, N. K. [Using advanced technology in mining peat with mechanized brigades] Primenenie peredovoi tekhnologii pri dobyche torfa mekhanizirovannymi otriadami. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 32 p.

[MICROFILM]

Opinions expressed by the operators of the BPf machines. A. I. Marchuk, S. M. Denis. Torf. prom. 41 no. 1:16-17 '64.

Performance of pneumatic "BPf" cutter loaders during the 1963 season. Ch. A. Kruglinskii. Torf. prom. 41 no. 1,14-14 '64.

PEAT SOILS
(see also subdivision under Polesye; White Russia)

S. N. Ivanov's book "Physicochemical conditions of phosphates in peat and turf-Podzolic soils." D. L. Askinazi. Pochvovedenie no. 7:114-118 Jl '64.

Studying the cation composition of the absorbing complex of lowland peats. I. I. Lishtvan, A. M. Mamtsis, N. V. Churaev. Pochvovedenie no. 7:60-67 Jl '64.

PEAT TAR

Determining organic bases content of the liquid products of the thermal processing of peat. A. M. Kunin, L. D. Unmut. Torf. prom. 41 no. 1:29-32 '64.

Simultaneous gasification of peat and peat tar. K. V. Malikov and others Gaz prom 8 no. 2:15-17 '63

PECHORA BASIN—COAL MINES AND MINING

The difficulty has been overcome. V. Podgorbunskii, E. Ratsyborskii, I. Artem'ev. Sov. shakht. 13 no. 4: 24-25 Ap '64.

A warm word about the people of the cold territory. V. Kashirin. Sov. shakht. 13 no. 4:22-23 Ap '64.

PECHORA BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Suggestions by miners from beyond the Arctic Circle. V. Dorofeev. Sov. shakht. 13 no. 4:29 Ap '64.

PECHORA BASIN—COAL MINES AND MINING—MANAGEMENT

For each longwall a heavy load. N. Gnitorybov. Sov. shakht. 13 no. 4:17-18 Ap '64.

PECHORO-ILYCH PRESERVE—*MOOSE*

Transactions of the Pechoro-Ilych State Preserve. A. A. Nasimovich. Biul. MOIP. Otd biol. 68 no. 3:142-144 My-Je '63.

PECHORA RIVER—IDE (FISH)

Expansion of the range and some biological characteristics of ide in the upper Pechora River. F. E. Bogan. Zool. zhur. 43 no. 4:616-619 '64.

PECHORA VALLEY—ANTIQUITIES

Kanivets, V. I. [The Kanin cave] Kaninskaia peshchera. Moskva, Nauka, 1964. 106 p.

PEDIATRICS

Mikhail Stepanovich Maslov, his life and activities. V. S. Vail'. Trudy Tadzh. med. inst. 50:5-28 '61.

Rukhman, L. E. [Fundamentals of orthopedics and the application of prostheses in children] Osnovy ortopedii i protezirovaniia u detei. [Leningrad] Meditsina, 1964. 525 p.
(DNLM)

Skorniakova, L. K., ed. [Experience in medical service for children] Opyt meditsinskogo obsluzhivaniia detei. Moskva, Meditsina, 1964. 77 p. (Peredovoi opyt organizatsii zdravookhraneniia)
(DNLM)

PEDIATRICS—CONGRESSES

Vsesoiuznyi s"ezd detskikh vrachei. 8th, Kiev, 1962. [Transactions of the Eighth All-Union Congress of Pediatricians] Trudy. Moskva, Meditsina, 1964. 530 p.
(DNLM)

PEDIATRICS—STUDY AND TEACHING

Obstetrician A. IA. Krassovskii and his activity of teaching pediatrics and training pediatric personnel between 1850 and 1860. V. S. Vail'. Trudy Tadzh. med. inst. 50:209-210 '61

PEDDLERS AND PEDDLING see subdivision under Ukraine

PEETERS, FLOR, 1903-

Organist from Belgium. L. Roizman. Sov. muz. 28 no. 2:105 F '64.

PEGMATITES
(see also subdivision under Baikal Lake region; Chekhi Basin; Kola Peninsula; Siberia; White Sea region)

Characteristics of mineral formation in rare-metal pegmatites from Upper Archean metamorphic rocks and some features of their genesis. V. G. Kushev, M. V. Terent'eva. Trudy Lab. geol. dokem. no. 10:331-344 '64.

PEIVE, JANIS, 1906-

IAn Vol'demarovich Peive, Lenin Prize winner. Zemledelie 26 no. 6:7 Je '64.

PELVIS

Height of the pelvis as an additional obstetrical measurement. O. N. Aksenova. Akush. i gin. 40 no. 1:132-133 Ja-F '64.

PELVIS—INNERVATION

Different innervation of the parietal fascia of the true and false pelvis in man. L. I. Simagin. Arkh. anat., gist. i embr. 45 no. 12:23-29 D '63.

PENDULUM

Effect of a tenon-bearing support on the swinging of a physical pendulum. A. A Korobitsin. Vest. mashinostr. 43 no. 12:24-28 D '63.

Motion of a highly damped pendulum on a vibrating foundation. D. M. Klimov. Izv. AN SSSR. Mekh. i mashinostr. no. 4:142-143 Jl-Ag '64.

PENICHE, PORTUGAL—POLITICAL PRISONERS

Peniche Fortress prisoners accuse.... Vsem. prof. dvizh. no. 6:32-34 Je '64.

PENICILLIN

Treatment of eye burns with subconjunctival injections of autoblood and penicillin. N. I. Khlitustin, A. IA. Shishtiannikov. Sbor. nauch. rab stud. Volg. gos. med inst. no. 1:88-93 '60.

PENIS—BLOOD SUPPLY

Vascularization of the penis. A. D. Khodos. Arkh. anat., gist. i embr. 43 no. 11:52-57 N '62.

PENMANSHIP—STUDY AND TEACHING

Psychological characteristics of the development of writing skills in first and second grade elementary school students. E. N. Sokolova. Izv. APN no. 129: 89-96 '63.

PENSIONERS—EMPLOYMENT
(see also subdivision under Lithuania)

Let's increase the pecuniary interest of pensioners in industrial work. Okhr. truda i sots. strakh. 7 no 3: 47 '64.

PENSIONS

Comments by Ministers of the Union Republics. Sots. obesp. 24 no. 12:4-6 D '63.

First steps. N. Rulev. Okhr. truda i sots. strakh. 7 no. 5:31-32 '64.

If the pensioner works. M. Zakharov. Sov. profsoiuzy 20 no. 14.44-46 Jl '64.

Pension payments to children, brothers, sisters and grandchildren, who are 16 years old, in cases of the loss of the provider. G. Smirnova Sots. obesp. 24 no. 12:58-60 D '63.

PENSIONS—HANDBOOKS, MANUALS, ETC.

Zaboznaev, A. A., M. I. Zakharov, and I. P. Kolganov. [Manual on pension problems; as an aid for factory and plant trade-union committees] Spravochnik po pensionnym voprosam; v pomoshch' komissiiam FZMK. [Moskva] Profizdat, 1964. 319 p.

PENTABISMOL

Properties and structure of pentabismol. M. M. Turkevych Farmatsev. zhur 18 no. 5:30-31 '63

PENTADIENENITRILE

Electroreduction of unsaturated nitriles. Part 4: Electroreduction of 1-cyano-1,3-butadiene. L.V. Kaabak, A.P Tomilov, S.L.Varshavskii. Zhur.ob khim. 34 no.7:2107-2111 Jl '64.

PENTADIENONE

Preparation of 1-aryl-5-phenyl-2,4-pentadien-1-ones by the Wittig reaction A.A.Gigorenko, M.I.Shevchuk, A.V.Dombrovskii Zhur.ob.khim 34 no 7,2254-2257 Jl '64.

PENTANE

Improved liquid-phase isomerization of pentane without recirculation Nefteper i neftekhim no 9 36-38 '63.

Synthesis of 1, 1-dibromopentane. O.S.Stepanova Nauch ezhegod.Khim.fak.Od un no 2:90-91 '61

PENTANE—SPECTRA

Vibrational spectrum of ethylcyclopentane A.V Sechkarev, R.S Lebedev, A.K Petrov Izv.vys ucheb zav.; fiz no. 4 94-100 '64.

PENTENE

Copolymerization of pentenes with 2-methyl-1, 3-butadiene. S.I.Sadykhzade, T.I.Mamedov, S.IA.Salakhova. Azerb.khim.zhur. no.5:51-54 '63.

PENTENOIC ACID

Oxidation of alkoxymethyl-γ-chloroallylacetic acids by hydrogen peroxide in an acetic acid medium. E.G. Mesropian, M.T.Danglan, E.G.Kaltakhchian. Izv.AN Arm.SSR.Khim.nauki 16 no.1:47-50 '63.

PENTYNE

Isomerization of 2-hydroxy-4-pentyn-2-yl-cyclopentadienyl-manganesetricarbonyl and 2-hydroxy-2-phenyl-4-methylpentyne to the respective enones. A.N.Nesmeianov and others. Dokl.AN SSSR 158 no.1:163-166 S-O '64.

PENZA—CIVIL DEFENSE

With the pass of a province committee. P.Dozorin. Voen.znan. 40 no.7:17 Jl '64.

PENZA—PRODUCTION ENGINEERING

The workers' conscience is the best inspector. N.Khrestin. NTO 6 no.5:19-21 My '64.

PENZA PROVINCE—HISTORY

Treatment of the history of the establishment of the Soviet regime in the Penza Government in the memoirs of the old Bolsheviks. V.F.Morozov. Uch.zap.Penz. inzh.-stroi.inst. no.1:47-77 '61.

PENZA PROVINCE—INDUSTRIES

Industry in Penza Province and its development during the period of the activity of the economic council. A.P. Batalina. Uch.zap.Penz.inzh.-stroi.inst. no.1:78-130 '61.

PENZA PROVINCE—RURAL LIBRARIES

Experience of the leaders is available to all. L.Boroznovskaia. Bibliotekar' no.8,12-14 Ag '64

PEPPERGRASS see subdivision under Sivash region

PEPSIN

Ability of pepsin to hydrolyze denatured egg albumin. M.P.Chernikov. Vop.med.khim. 9 no.2:126-127 Mr-Ap '63.

Characteristics of the secretion of proteolytic enzymes of gastric juice in various diseases. A.A.Pokrovskii, I.M.Bogdanova. Vop.med.khim. 9 no.2:217-218 Mr-Ap '63.

Determination of the proteolytic activity of pepsin and trypsin by a rapid microchemical method. A A.Pokrovskii, I. M Bogdanova Lab delo no.7:411-414 '64.

PEPTIC ULCER

Characteristics of functional changes in the stomach and duodenum in peptic ulcer and cholecystitis. B.B. Khanbabian. Vop.rent.i onk. 7:29-38 '63.

Duodenal function in mechanical stimulation of the stomach in peptic ulcer. R.P.Makos'. Fiziol.zhur. 10 no.1:131-134 '64.

Dynamics of changes in stomach peristalsis under the influence of diet therapy in patients with stomach and duodenal ulcer based on electrogastrographic data. V.A.Oleneva. Vop.pit. 22 no.3:14-19 My-Je '63.

Functional state of the thyroid gland and the blood in patients with peptic ulcers. I.T.Kaliuzhnyi. Sov.zdrav.Kir. no.6:19-23 N-D '63.

Gulasian, A.G. [Peptic ulcer; causes and prevention] IAzvennaia bolezn'; prichiny i preduprezhdenie. Izd. 2., ispr. i dop. Moskva, Meditsina, 1964. 73 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

PEPTIDES

Cyclization of tetrapeptides by using ethoxyacetylene as a condensation agent. E.A.Morozova, L.V.Ionova, S.A.Pliner. Dokl.AN SSSR 157 no.1,203-206 Jl '64.

Physicochemical mechanisms of protein and polypeptide denaturation in relation to the problem of paranecrosis. V.P.Kushner. TSitologiia 5 no.4,370-390 Jl-Ag '63.

PEPTIDES—SPECTRA

Analysis of vibrations of the peptide group. IU.N. Chirgadze Biofizika 7 no.5:523-528 '62.

Infrared spectra of the hydrochloric salts of ethyl esters of di- and tripeptides and ethyl esters of N-acetyl of di- and tripeptides. V G.Manusadzhian and others Dokl.AN Arm.SSR 39 no 1:21-28 '64

PERCEPTION

Akademiia nauk Kirgizskoi SSR, Frunze. Otdel filosofii i prava. [Perception and reality] Soznanie i deistvitel'nost'. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 93 p.

Anan'ev, B.G., and B.F.Lomov, eds. [On the problem of the perception of space and spacial images, materials of a scientific conference] K probleme vospriiatiia prostranstva i prostranstvennykh predstavlenii, materialy nauchnogo soveshchaniia, Leningrad, Leningr. nauchno-issl. in-t pedagogiki Akad. pedagog.nauk RSFSR, 1959. 108 p.
[MICROFILM]

PERCEPTION, DISORDERS OF

Clinical and professional significance of illusions of the orientation in space. K.Kh.Korolenok. Trudy Gos. nauch.-issl.inst.psikh 40:55-64 '63.

Disorders of the prognostic function in neuropsychic diseases. I S.Sumbaev. Trudy Gos.nauch.-issl.inst. psikh. 40:23-40 '63

PERCEPTRONS

Cognition of handwritten and typed numbers using a comparison method involving standards H.D.Davydiuk and others. Avtomatyka 9 no 4:30-36 '64

Formulation of a problem on the recognition of objects with multiple parameters and methods for solving it V.L.Brailovskii, A.L.Lunts. Izv.AN SSSR.Tekh.kib no.1:20-31 Ja-F '64.

Method for studying cognition using artificial acceptance hampering. V.A.Makhonin, V.G.Stepanov. Probl. pered. inform. no.15:75-76 '63.

Recognition of continuous functions. V.G. Solomonov, L V. Zakharova. Probl. pered. inform. no.15.71-74 '63.

Using the theory of image recognition for the automatic programming from a pattern in jacquard weaving. IA.M.Rebarbar, E.I.Galynker. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.6:152-158 '63.

PERCHLORATES

Extraction-photometric determination of perchlorates in the presence of chlorates. V.A.Golosnitskaia, V.I. Petrashen'. Trudy NPI 143:73-81 '63.

PERCHLORIC ACID

High-frequency titration. Report No.11: Determination of perchloric acid in its mixture with nitric acid in a glacial acetic acid medium. V.M.Bokina, V.A.Zarinskii, L.M.Shtifman. Zhur.anal.khim. 19 no.5:635-637 '64.

PEREYASLAVSKAYA (KRASNODAR TERRITORY)—AGRICULTURAL WORKERS—DISEASES AND HYGIENE

Study of the incidence of disease in machinery operators and livestock raisers of the village of Pereyaslavskaya T.I.Nesterenko. Nauch.trudy Kub.gos med.inst 19:130-134 '62.

PERFUMES, SYNTHETIC

Some esters of piperonylic acid. K.A Bogdanov. Masl.-zhir.prom. 30 no.7:29 Jl '61.

PERIARTERITIS NODOSA see subdivision under Dushanbe

PERICARDITIS

Thrombosis of the superior vena cava in constrictive pericarditis. A.T.Grebennikova. Grud.khir. 5 no.5:94-97 S-O '63.

PERICARDIUM—SURGERY

Surgical anatomy of the pericardial cupola. G.N.Toporov. Grud.khir. 5 no.5:27-30 S-O '63.

PERINEUM—RUPTURE

Surgical treatment of old total perineal ruptures. N.M. Pisarskaia. Akush i gin 39 no.5:136-138 S-O '63.

Use of lidase in the control of perineal injuries and anesthesia in the second period of labor. I.N.Rembez Akush.i gin. 39 no.5:128-129 S-O '63.

PERINEUM—SURGERY

Surgical treatment of old total perineal ruptures. N.M. Pisarskaia. Akush.i gin. 39 no.5:136-138 S-O '63.

PERIODATES

Coprecipitation of iodate and periodate ions with ferric hydroxide. A.I.Novikov, E I.Finkel'shtein. Zhur. anal.khim. 19 no.5:541-544 '64.

Determination of nickel by the periodate method. A.A. Verdizade, T.D.Alizade. Dokl.AN Azerb.SSR 19 no.3:35-39 '63.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

Effect of the structure of internal electron shells on the distribution of elements in the D.I. Mendeleev periodic system. V.K.Grigorovich. Trudy Inst.met. no.14:165-187 '63.

Place of lanthanides and actinides in the D.I. Mendeleev periodic system of elements and the shift of analog elements in accordance with their chemical properties. V.K.Grigorovich. Trudy Inst.met no.14:188-211 '63.

PERIODONTIA

Fluid extract from ginseng in a compound treatment of paradentosis V.F Pavlishchuk. Mat k izuch.zhen'. i drug.lek rast Dal'.Vost. no.5:163-166 '63.

PERIPHERAL NERVES see Nerves, Peripheral

PERITONEUM—TUMORS

Cytologic diagnosis of peritoneal pseudomyxoma Z F. Klimanova Lab delo no 7:438-441 '64.

PERITONITIS

Morphological changes in the diaphragm in peritonitis. G V.Gordeev, N.I.Liashenko Sbor.nauch rab stud Volg.gos.med inst no.1:60-65 '60.

Surgical treatment of inflammatory tumors of the uterine adnexa. A L Ozerianskaia. Akush i gin. 39 no.5:117-120 S-O '63.

PERLITE (MINERAL)

Developing the production and use of perlite concrete elements and products using perlites from the Mukhortala deposit in the Buryat A.S.S.R N.IA.Shportil, IA.I Linetskii, I.M.Gindina. Sbor.trud.ROSNIIMS no.25 160-165 '62

Distribution of perlites on the territory of the U.S S R.; their geological characteristics and technological properties. V P.Petrov, V.V.Nasedkin, A I.Polinkovskaia. Sbor trud.ROSNIIMS no.25:6-18 '62.

Economic effectiveness of producing and using expanded perlite as lightweight aggregate. I M.Gindina. Sbor. trud.ROSNIIMS no.25 150-159 '62.

Effect of some properties of acid, volcanic, water-containing glass on the quality of expanded perlite. I.N. IAvits, V V.Nasedkin. Sbor.trud.ROSNIIMS no.25. 94-101 '62

Effect of the structure and texture of perlitic rock on its expansibility N.S.Manuilova, M.M.Stolovitskaia, S.I.Veber. Sbor.trud ROSNIIMS no.25 46-53 '62.

Investigation of the raw material for the production of expanded perlite in the R.S F.S.R. O.A.Chernova. Sbor.trud.ROSNIIMS no.25:19-31 '62.

Investigation of the texture and some physicochemical properties of perlite. N.S.Manuilova, B G.Varshal, A.A Maier. Sbor.trud.ROSNIIMS no 25:32-45 '62.

Producing expanded perlite in furnaces with fluidized beds. A.I.Polinkovskaia, O.A.Chernov, I.IA.Abramov. Sbor.trud.ROSNIIMS no.25.63-71 '62.

Producing expanded perlite in rotary kilns. O.A.Chernova, E.S Sheinman. Sbor.trud.ROSNIIMS no.25:72-93 '62.

Service life of the linings of rotary kilns for expanded perlite. A.I.Polinkovskaia, N.S.Manuilova, N.I.Sergeev. Sbor.trud.ROSSNIIMS no.25:105-119 '62.

Using cement-perlite and lime-perlite binder in the manufacture of perlite-concrete products. P.M.Zil'berfarb, G.G Zaitsev. Sbor.trud.ROSNIIMS no.25:120-134 '62.

PERM PROVINCE

Galanshin, K.I. [25th anniversary of Perm Province] 25 let Permskoi oblasti. [Perm'] Permskoe knizhnoe izd-vo, 1963. 46 p.
(CSt-H)

PERM PROVINCE—GEOGRAPHY

Perm Province calendar-reference books. V.S.Smetanich Izv Vses geog.ob-va 96 no.3,263 My-Je '64.

PERM PROVINCE—INDUSTRIAL MANAGEMENT

The care for managerial workers. K.Galanshin. Part. zhizn' no.15:35-40 Ag '64.

PERMALLOYS—ELECTRIC PROPERTIES

Nature of the increase in electric resistance due to ordering of atoms in nichromes and permalloys with addition elements. A.D.Korotaev, IU.V.Malov. Izv. vys.ucheb.zav, fiz. no 4:128-132 '64.

PERMALLOYS—METALLOGRAPHY

Investigating the kinetics of low-temperature transformations in permalloys. M.A.Bol'shanina, A.D.Korotaev. Fiz.met.i metalloved. 17 no.4:512-518 Ap '64.

X-ray investigation of the defects of packing in a deformed permalloy M IA.Fuks, A.A.Koz'ma. Fiz met.i metalloved. 17 no.5:760-767 My '64.

PERMITTIVITY see Dielectric constant

PERONOSPORALES see subdivision under Rumania

PEROXIDES

Chemiluminescent methods for determining the absolute rate constant of the rupture of peroxide radicals in the liquid phase. A.A.Vichutinskii. Dokl.AN SSSR 157 no.1:150-153 Jl '64.

PEROXIDES (Continued)

Determination of the relative rate constants of reactions between peroxide radicals and inhibitors. E. T. Denisov, A. L. Aleksandrov. Zhur. fiz. khim. 38 no. 2 491-494 F '64.

Role of lipid peroxides in the mechanism of radiation effect on the background of chloroprene intoxication S. G. Shukurian Vop. rent. i onk. 7 205-211 '63.

Study of peroxide - amine systems as polymerization initiators S. L. Mkhitarian, N. M. Beilerian, O. A. Chaltykian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:527-534 '63.

PEROXYDISULFURIC ACID

Reduction kinetics of the $S_2O_8^{2-}$ anion on a rotating lead electrode. B. N. Rybakov, N. V. Nikolaeva-Fedorovich, G. V. Zhutaeva Zhur. fiz. khim. 38 no. 2 500-503 F '64.

PEROXYMONOSULFATES

Temperature dependence of the rate of peroxysulfate-triethanolamine reaction O A. Chaltykian, N M Beilerian, A. L. Samvelian. Dokl. AN Arm. SSR 38 no. 1,35-40 '64

PERSEIDS

Activity of Perseids in 1959. A. N. Simonenko. Izv AN Turk. SSR. Ser. fiz -tekh., khim. i geol. nauk no. 2 127-128 '63.

PERSIAN LANGUAGE—GRAMMAR

On a new textbook of the Persian language. M. B. Shakhobova. Uch zap. Tadzh. un. 21. Trudy Kaf inostr iaz. no 1 21-27 '59.

PERSIDSKII, KONSTANTIN PETROVICH, 1903-

Konstantin Petrovich Persidskii, on his 60th birthday. G. Bagautdinov, B. Gagaev, B. Laptev. Izv. vys ucheb. zav., mat. no. 6:172-173 '63.

PERSONAL INJURIES

The concept of the injured in Soviet criminal procedure. S. I. Kat'kalo. Vest. LGU 19 no. 11-113-122 '64.

Kokorev, L. D. [Status of the criminally injured under Soviet criminal procedure] Poterpevshii ot prestupleniia v sovetskom ugolovnom protsesse. Voronezh, Izd-vo Voronezhskogo univ., 1964. 136 p.

PERSONAL PROPERTY

Right to personal property I. Larkin Sots. zakon. 41 no. 4:53-54 Ap '64

PERSONALITY

Discussion of the division of labor and the all-around development of personality Vop filos 18 no 6 130-144 '61

PERSONS (LAW)

Recent legislation on legal transactions. S. V. Polenina. Sov. gos. i pravo 34 no. 7:136-143 Jl '64.

PESCHANYY-MORE OIL FIELD—GAS, NATURAL—GEOLOGY

Reservoir properties of the rocks of a producing series in the Peschanyy-More field in connection with the calculation of oil and gas reserves N. I. Gazilan, M. U. Seifullova. Azerb. neft. khoz 43 no 5:3-5 My '64

PESCHANYY-MORE OIL FIELD—PETROLEUM GEOLOGY

Prospects for finding gas and oil in the "hiatus" series of the Peschanyy-more Area. A. M. Polaudin. Azerb neft. khoz. 42 no. 6:1-3 Je '63.

Reservoir properties of the rocks of a producing series in the Peschanyy-More field in connection with the calculation of oil and gas reserves. N. I. Gazilan, M U. Seifullova. Azerb. neft. khoz. 43 no. 5:3-5 My '64

PESTICIDES

Effect of fungicides and insecticides on the development of corn mycorrhiza. E P. Khrushcheva Agrobiologiia no. 1:49-53 Ja-F '64.

Filov, V. A. [Determination of poisonous chemicals in biological substrates] Opredelenie iadokhimikatov v biologicheskikh substratakh. Moskva, Nauka, 1964. 250 p.

Preparations for controlling the gnawing pests of cruciferous plants. A. V. Filagina. Khim. v sel'. khoz. 2 no. 4:31-33 Ap '64.

PESTICIDES—TOXICOLOGY

Second All-Union Scientific Conference of the Hygiene and Toxicology of Pesticides. S. G. Serebrianaia. Vop. pit. 22 no. 3:90-93 My-Je '63.

PETER I, 1672-1725—FICTION

Peter I in the works of Lev Tolstoi and Aleksei Tolstoi. L. M. Poliak. Izv. AN SSSR, Ser. lit. i iaz. 23 no. 1:3-17 Ja-F '64.

PETROCHEMICALS see Petroleum chemicals

PETROGRAPHIC MICROSCOPE

Differentiating open fractures of tectonic origin from artificial open fractures in argillite thin sections. E A. Kareva. Trudy VNIGRI no. 228.261-268 '64.

PETROLEUM

Alvazov, B. V., and others. [Physicochemical constants of organic sulfur compounds] Fiziko-khimicheskie konstanty seraorganicheskikh soedinenii. Pod red. B. V. Alvazova. Moskva, Izd-vo "Khimiia," 1964. 279 p.

PETROLEUM—ANALYSIS

Commercial-test operation of a moisture analyzer for VN-1 oil. A. A. Abdullaev and others. Azerb. neft. khoz. 42 no. 6:38-40 Je '63.

Infinite reflux operation of a packed column in the rectification of multicomponent mixtures. V. S. Kortikov, D. D. Zykov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7: 55-59 '63.

Processing data on crude-oil samples. N. J. Clark. Nefteprom. delo no. 4 42-45 '63.

Sampling and analyzing reservoir oil. N. J. Clark. Nefteprom. delo no. 4:40-42 '63.

Small power suction deep-well sampler A I Khaznaferov Mash. i neft obor. no 2:11-13 '64

PETROLEUM—FLUID DYNAMICS

Concerning the book of A D. Al'tshul' "Local hydraulic resistances in the motion of viscous fluids " Z I. Geller, I. Kh. Levinbuk. Neft. khoz. 41 no. 2:72-3 of cover F '63

PETROLEUM—OPTICAL PROPERTIES

Investigating the effect of certain factors on the optical activity of heavy petroleum fractions in the presence of aluminosilicates. A. Dzh Sattar-Zade, I S. Sattar-Zade. Azerb neft. khoz. 43 no 2:38-40 F '64

PETROLEUM—PERIODICALS

Voice of a reader of the journal "Neft' i gaz." Izv. vys. ucheb. zav., neft' i gaz 6 no. 7:48, 70, 76 '63.

PETROLEUM—STORAGE

Answering level gauge for tanks operating under pressure. K. G. Karganov, V P. Korolenko, I. I. Lazovskii Mash i neft obor no. 6 34-36 '63

Determining the capacities of railroad distribution tank farms in agricultural regions. I. I. Sapov. Transp. i khran. nefti i nefteprod. no 5:29-33 '64.

Increasing labor productivity on tank farms. V. S. Serdiukov. Transp. i khran. nefti i nefteprod. no. 7:20-21 '64.

Regulating the accounting for petroleum products on tank farms. L. M. Mezhiritskii. Transp. i khran. nefti i nefteprod. no. 7:18-20 '64.

Testing reservoirs for the storage of petroleum products in rock-salt sediments. IU. G. Isupov, N. N. Khaziev. Transp. i khran. nefti i nefteprod. no. 7:16-17 '64.

PETROLEUM—TRANSPORTATION

(see also subdivision under Caspian Sea)

Basic causes of the unreliable operation of UDU apparatus and methods for their elimination. D. V. Idrisov, A. D. Dzhabrailov. Transp. i khran. nefti i nefteprod. no. 5: 21-23 '64.

Centralized transportation of petroleum products. P. A. Petrosiants. Transp. i khran. nefti i nefteprod. no 5: 27-29 '64.

Commercial-test operation of a moisture analyzer for VN-1 oil. A. A Abdullaev and others. Azerb. neft. khoz. 42 no. 6 38-40 Je '63.

Determining the capacities of railroad distribution tank farms in agricultural regions. I. I. Sapov. Transp. i khran. nefti i nefteprod. no. 5:29-33 '64.

Determining the optimal number of pouring devices in distribution tank farms. E. M. Bleikher, S. M. Pol'skii, V. I. Chernikin. Transp. i khran. nefti i nefteprod. no. 7:10-13 '64.

Development and location of petroleum supply centers. V. B. Savitskii. Neft. khoz. 41 no. 2:46-50 F '63.

Distribution of concentrations in pumping a product from a deep reservoir. F. F. Abuzova, V. I. Chernikin. Transp. i khran. nefti i nefteprod. no. 7:13-16 '64.

New trends in the filling and emptying of tank cars. V. F. Kuprilanov. Transp. i khran. nefti i nefteprod. no. 5: 19-21 '64.

Relation of petroleum products transportation to other types of transportation. A N. Markova, M F. Smirnov Neft khoz 42 no. 6:50-57 Je '64

Simplified device for discharging petroleum products from the bottoms of tank cars. N. A. Derevshchikov. Transp. i khran. nefti i nefteprod. no. 7:22-23 '64.

PETROLEUM, HEATING OF

Pipeline for transporting and heating viscous petroleum products. A. I. Karpov. Mash. i neft. obor no. 2:19-23 '64.

PETROLEUM CHEMICALS

Alvazov, B. V., and others. [Physicochemical constants of organic sulfur compounds] Fiziko-khimicheskie konstanty seraorganicheskikh soedinenii. Pod red. B. V. Alvazova. Moskva, Izd-vo "Khimiia," 1964. 279 p.

High-temperature reformed ligroine as a raw material for big chemistry. R. G. Ismailov and others. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:49-55 '63.

New trends in petrochemical synthesis. S. R. Sergienko. Izv. AN Turk SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 2:3-10 '63.

Sergienko, S. R. [High-molecular petroleum compounds] Vysokomolekuliarnye soedineniia nefti. 2. perer. i dop. izd. Moskva, Khimiia, 1964. 540 p.

PETROLEUM COKE

Desulfurization of petroleum coke in a gas current. S. G. Rogachev, E. V. Smidovich Nefteper. i neftekhim. no. 5:22-24 '64.

Obtaining electrode coke from an oil extract of selective treatment G I Gol'dshtein Nefteper i neftekhim no 5.26-30 '63

Operation of a unit for retarded coking. P. K. Zmietskii, V. V. Martynenko. Neftepei. i neftekhim. no. 5:12-13 '64.

PETROLEUM ENGINEERING

(see also subdivision under Azerbaijan)

Disruption characteristics of external cylindrical nozzles Z I Geller, IU A Skobel'tsyn Neft khoz 42 no 7 57-60 Jl '61

Dynamic properties of a trap-separator as an object of atuomatic control V F Akimov, IU A Voznesenskii, V V Popkov Neft khoz 42 no 7 52-56 Jl '64

Heat transfer in porous media in a direction perpendicular to the gas flow G. P Willhite, J S Dranoff, J. M. Smith Nefteprom. delo no. 7:45-47 '64

PETROLEUM ENGINEERS—EDUCATION AND TRAINING

(see also subdivision under Azerbaijan)

Increasing the quality of the training of specialists and improving the organization of education in evening and correspondence courses A M Mamedov Izv vys ucheb zav, neft' i gaz 5 no 10 118-119 '62

Train young students to cope with modern problems. A. G. Arinshtein, V. A. Larionov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:123-124 '63.

PETROLEUM GEOLOGY

(see also subdivision under Africa, Anabar Shield; Apsheron Peninsula; Azerbaijan; Baku Archipelago, Balakhany-Sabunchi-Ramany Oil Field; Balkan Mountains; Bashkiria; Carpathian Mountains; Caspian Lowland; Caspian Sea; Caspian Sea region; Caucasus, Northern; Daghestan, Dnieper-Donets Lowland; Gissar Range region; Gyurgyany-More Oil Field, Irkutsk Province; Kabardino-Balkar A. S. S. R.; Kama-Kinel Depression; Kama Valley; Karaarna Oil Field, Karpinsk region, Caucasus, Northern; Kazakhstan; Kinel'-Cherkassy District, Kokhanovka-Svidnitsa Oil Field; Kuban Valley; Kura Lowland; Kuybyshev Province, Maritime Territory, Minusinsk Basin; Mugodzhar Hills region; Novo-Yelkhovskoye Oil Field; Orenburg Province; Pakistan; Peschanyy-More Oil Field; Russian Platform; Siberia; Tatar A. S. S. R.; Turkmenistan; Tuymazy Oil Field; Ural Mountains; Ust'-Balyk Oil Field; Vilyuy Lowland; Volga-Ural region; West Siberian Plain; Yarega Oil Field; Yenisey Valley)

Behavior of the oil-water surface and the distribution of fluids in oil and gas pools. D. S. Orudzheva, E. I Parnov. Azerb. neft. khoz. 43 no. 5:9-11 My '64.

Concerning M. A. Zhdanov's book "Oil and gas field geology." A. Snarskii. Geol. nefti i gaza 8 no. 8: 57-59 Ag '64.

Determining fractured porosity (fracture factor) E M. Smekhov, E. S Romm. Trudy VNIGRI no 228 286-288 '64

Discussing the most important questions of oil and gas geology. M. Kalinko, V. Raaben. Geol. nefti i gaza 8 no 8:60-62 Ag '64.

Distribution of oil and gas pools in the cross section of the sedimentary mantle of the U. S. S. R. V. G. Vasil'ev, A. A. Khanin. Geol. nefti i gaza 7 no. 11:1-6 N '63.

Efendiev, G. Kh., R. A. Alekperov, and A. N. Nuriev. [Problems of the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baky, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 149 p.

Estimating oil reserves in fractured reservoir rocks. IU. F Kleinosov. Trudy VNIGRI no 228:163-172 '64

Examples of the high petroleum yield of Devonian sandstones. I. IA. IUrin. Nauch.-tekh. sbor. po dob. nefti no. 17:33-38 '62.

Kartsev, A. A., and V. P. Shugrin. [Geochemical investigation methods for the prospecting of oil and gas] Geokhimicheskie metody issledovanii pri poiskakh nefti i gaza. Moskva, Izd-vo "Nedra," 1964. 201 p.

Nature of the surface of minerals in petroleum-bearing rocks. Sh. K. Gimatudinov. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:37-43 '63.

Principles for the prospective planning of production and an increase in the oil and gas reserves. B. A. Tkhostov, M. S. L'vov, V. G. Vasil'ev. Geol. nefti i gaza 8 no. 8:1-7 Ag '64.

Principles of tectonic regionalization in connection with oil and gas prospecting. IU. M. L'vovskii. Geol. nefti i gaza 7 no. 11:18-20 N '63.

A probability method for determining petroleum reserves in pools. V. P. Pilatovskii. Nauch.-tekh. sbor. po dob. nefti no. 17:5-11 '62.

Studying certain moments in the mechanism of the formation of tectonic fracture. L. D. Knoring. Trudy VNIGRI no. 228:224-240 '64

Yearly reproduction of producible reserves. L. P. Guzhnovskii. Nauch.-tekh. sbor. po dob. nefti no. 17:83-87 '62.

PETROLEUM GEOLOGY—MAPS
(see also subdivision under Chir Valley; Don Valley)

Using detail paleogeological maps in prospecting oil and gas. V.A. Dolitskii, E.V. Kucheruk. Geol. nefti i gaza 7 no.11:13-17 N '63.

PETROLEUM INDUSTRY
(see also subdivision under Azerbaijan; Brunei, Canada; Far East; Iraq, Latin America; Near East, United States; Volga-Ural region)

Basic indices for the petroleum industry of the world for 1962 Khim i, tekh topl i masel 9 no 4,69-70 Ap '6.

Brief news Neft khoz. 42 no 6:70-72 Je '64.

Central Asian Conference on Petroleum Chemistry and Chemical Reprocessing of Hydrocarbon Gases. V, A Garbalinskii, M S, Shneer. Izv. AN Turk. SSR Ser fiz. - tekh., khim. i geol nauk no. 2:124-125 '63.

Chernykh, A.V. [Oil and gas industry of the U.S.S.R.] Neftianaia i gazovaia promyshlennost' SSSR. Moskva, Vysshaia shkola, 1964. 132 p.

Dynamic properties of self-compensating remote control systems with inductive converters V V Savin. Izv vys ucheb zav, neft' i gaz 5 no, 10,103-108 '62

Lisichkin, S.M. [Petroleum industry of Africa, Australia, Latin America, and Canada] Neftianaia promyshlennost' Afriki, Avstralii, Latinskoi Ameriki i Kanady. Moskva, Nedra, 1964. 280 p.

New books. Gaz.prom. 9 no.6:49-50 '64.

Prospects for using the "Zenit-2" electronic computer in the petroleum and petrochemical industries. M M Ladyzhenskii Mash. i neft. obor no. 2:30-35 '64.

PETROLEUM INDUSTRY—CONGRESSES

Secondary plenary session of the Central Administration of the Scientific Technological Society of the Oil and Gas Industry. Z Kogan Neft khoz 42 no. 6 66-67 Je '64

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES
Arkhipov, K.I. [Developments in petroleum and chemical apparatus manufacture] Razvertki v neftianom i khimicheskom apparatostroenii. Moskva, Izd-vo "Nedra," 1964. 189 p.

PETROLEUM INDUSTRY—FINANCE see subdivision under Ukraine

PETROLEUM INDUSTRY—STATISTICS

Useful book, concerning S.V. Vykhodtsev's book "Oil Industry Statistics" A P Konev Neft khoz 42 no 7:35 Jl '64

PETROLEUM PIPELINES
(see also subdivision under Iraq)

Analyzing the causes of failure in pipelines, V.B. Galeev, E.M. Soshchenko, N.V. Bobritskii. Transp. i khran. nefti i nefteprod. no. 7:7-9 '64.

Calculation of stresses in the wall of a pipe in nonsymmetrical pipeline hoisting. V. L. Berezin, K. E. Rashchepkin, E. M. IAsin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:95-101 '63.

Development of steam hollows in consecutive pumping. K.G. Donets, V.I. Chernikin. Transp. i khran. nefti i nefteprod. no.5:3-9 '64.

Fluid surge chamber and throttle for eliminating pressure pulsations in pipelines. A. E. Rotte. Mash. i neft. obor no. 6:18-23 '63.

Monitoring and indicating of the passage of scrubbers and separators along pipelines. V.B. Povzner, N.A. Bratov, L.O. Patik. Transp. i khran. nefti. i nefteprod. no.5:12-14 '64.

Pipeline for transporting and heating viscous petroleum products. A. I. Karpov. Mash. i neft. obor. no. 2:19-23 '64.

Taran, V.D. [Constructing main pipelines] Sooruzhenie magistral'nykh truboprovodov. Moskva, Nedra, 1964. 544 p.

Using paint and varnish coatings to prevent paraffin sedimentation in gathering-system pipes. V. A. Rasskazov, R. IA. Nugaev. Nefteprom. delo no. 7:20-31 '64.

Using the MESU-IV electronic level indicator in the automatic control of a pumping assembly. E.I. Dizenko. Transp. i khran. nefti i nefteprod. no.5:9-12 '64.

PETROLEUM PIPELINES—HYDRODYNAMICS

Shifting of a pipeline lying freely on the bottom under the action of hydrodynamic forces when the sea is agitated. I. P. Kuliev and others. Azerb. neft. khoz. 42 no. 6: 41-43 Je '63.

PETROLEUM PIPELINES—MAINTENANCE AND REPAIR
High-frequency drying of a pipeline prior to insulation on overhauling. V.B. Galeev. Transp. i khran. nefti i nefteprod. no.6:16-18 '64.

OMS-1 combined high-speed cleaning device. K.E. Rashchepkin, V.L. Buzhinskii, I.S. Ovchinnikov. Neft. khoz. 41 no.2:51-55 F '63.

PETROLEUM PIPELINES—TECHNOLOGICAL INNOVATIONS see subdivision under Bashkiria

PETROLEUM PRODUCTION
(see also subdivision under Apsheron Peninsula; Azerbaijan; Bashkiria, Carpathian Mountain region; Chechen-Ingush A.S.S.R.; Japan; Konstantinovka Oil Field; Ordzhonikidze region, Romashkino Oil Field, Slazan' region, Tatar A.S.S.R., Tuymazy Oil Field)

All-Union conference on the adsorption of surfactants and its significance in petroleum production A Gonik, I Kravchenko Neft khoz 42 no. 7 70-71 Jl '64

Automatic control of the electric dehydration and electric desalting of oils IA M Frankfurt Neft khoz 42 no 6 46-49 Je '64

Automatic data processing in systems of centralized production control A. A. Abdullaev, M. IA Ginzburg. Azerb. neft khoz 43 no. 3:31-33 Mr '64

Calculation of the overall petroleum and associated-water output in water drive. M. M. Sattarov. Nauch-tekh. sbor. po dob. nefti no. 17:45-51 '62.

Certain problems in the development of oil and gas pools. A. V. Afanas'eva. Trudy VNII no. 40 192-320 '63.

Determining the conditions for the withdrawal of pulp in cleaning away sand with a jet apparatus G A Fukson Azerb. neft khoz. 43 no 2:27-29 F '64.

Determining the external load on the casing string in the filter zone when exploiting wells. A A. Mamedov. Azerb. neft. khoz. 43 no 5:30-32, 48 My '64

Economic problems in the development of petroleum and gas production in the Soviet Union. M.M. Brenner. Neft. khoz. 41 no 2:1-8 F '63.

Efficiency of injecting coarse-grained sand into the bottom zone of sand producers. Ch I Abbasov Azerb. neft. khoz. 43 no. 5:26-28 My '64

Equilibrium constants of isobutane dissolved in water. A. IU. Namiot, M. M. Bondareva. Nauch.-tekh. sbor. po dob. nefti no. 17:69-71 '62.

Equilibrium constants of nitrogen dissolved in water at temperatures ranging from 150 to 200°. A. IU. Namiot, M. M. Bondareva. Nauch.-tekh. sbor. po dob. nefti no. 17:66-68 '62.

Experience in the use of solvents to increase petroleum recovery. Nefteprom. delo no. 4:36-39 '63.

Further simplification of approximate formula for calculating pressure decrease at the wall of an enlarged hole started with a constant production rate in elastic drive. V. N. Shchelkachev, V. E. Vliushin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:77-89 '63.

Gas-condensate flooding of oil from a porous medium. L S Melik-Aslanov. Neft. khoz 42 no 7 38-42 Jl '64

Investigation of petroleum displacement by solvents in a model of great length. P. I. Zabrodin, N. L. Rakovskii, M. D. Rozenberg. Nauch.-tekh. sbor. po dob. nefti no. 17:16-22 '62.

Isolation of the solid hydrocarbon phase in wells in paraffinic petroleum production. V. N. Shipulin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:33-36 '63.

Methodological problems in the economic evaluation of an increase in the recovery factor resulting from tight well spacing A. N Buchin Neft khoz 42 no. 7.5-9 Jl '64

Raise the economic level, improve the organization, planning, financing, and accounting of drilling operations for oil and gas. N K Baibakov Neft khoz 42 no 6 1-7 Je '64.

Regularities in the flooding of oil from reservoir rocks with compressed gases in a model reservoir. V.I. Sergeevich and others. Neft. khoz. 41 no.2:28-35 F '63.

Remote and automatic control of the operations of several oil fields from one computing center. Nefteprom. delo no. 7:44-45 '64.

Selection of wells for the carrying out of water-exclusion operations. M. M. Sattarov, I. G. Gil'manshin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:43-47 '63.

Simultaneous separate withdrawal of gas, oil, and water in saturated pools with bottom water. A. P. Telkov. Gaz. prom. 9 no.6:10-14 '64.

Sloughing of sand in the exploitation of deep-pumping wells. N. N. Nadzhafov. Azerb. neft. khoz. 43 no 2: 25-26 F '64.

Structural-mechanical properties of mixtures used in stimulating the bottom zone. IU. V. Zaitsev, E M. Vol'skaia, A. M. Khasaev. Azerb. neft. khoz. 43 no. 5:29-30 My '64.

PETROLEUM PRODUCTION—BIBLIOGRAPHY see Bibliography—Petroleum production

PETROLEUM PRODUCTION—COSTS
Planning, accounting, and calculation of the cost of oil-recovery products in the combined preparation of oil in the field. M. K. Afanas'ev. Neft khoz 42 no 7 9-13 Jl '64

PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES
Determining the economic efficiency of new equipment in petroleum production. V. P. Kaufman. Azerb. neft. khoz. 42 no. 6:45-47 Je '63.

Efficient clearances between the packer in the casing string and reservoir testers. N. F. Razantsev, K.I. Loshkarev. Neft. khoz. 41 no.2:40-42 F '63.

Electronic dynamoscope with a zero reading line and load scale A. T. Belous Neft. khoz. 42 no 6:43-46 Je '64.

Film corrosion inhibitor for petroleum production equipment. V. A. Sheremet'ev, V P. Barannik Azerb. neft khoz. 43 no 3:29-31 Mr '64

Methods leading to the wider use of wells having small diameters in the development of oil fields. B. N. Kruchkov. Nauch.-tekh. sbor. po dob. nefti no. 17.72-75 '62.

Testing new designs of a lock support without a spring anchor. A. V Krasnobaev Azerb neft khoz. 43 no 3:44-46 Mr '64

PETROLEUM PRODUCTION—FLUID DYNAMICS

Clearing out sand in the exploitation of oil wells N N Nadzhafov Neft khoz 42 no 7 48-51 Jl '64.

PETROLEUM PRODUCTION, THERMAL see subdivision under Bashkiria; Ishimbay region (Bashkiria), Komi A.S.S.R.

PETROLEUM PRODUCTS
Calculating the stabilization products of petroleum. V.I. Luzin, S.Z. Segal'. Neft. khoz. 41 no.2:8-10 F '63

Evaluating the colloidal state of asphalts I. M. Rudenskaia, L D Semenova Nefteper. i neftekhim no 9,19-25 '63

Natural losses of petroleum products in service stations. M.A. Vorob'ev. Transp. i khran. nefti i nefteprod. no.5:23-26 '64.

Petroleum products filtration unit. V. P. Kalashnikov, IU. N. Shekhter, A. L. Dol'berg. Nefteper. i neftekhim. no. 2:7-10 '64.

Sixth International Oil Congress. Use of oil refining products and natural gas. IU. V. Kriukov Neftekhimiia 4 no. 2:354-357 Mr-Ap '64

Uses of petroleum products Khim. i. tekh. topl. masel 9 no. 4:71-72 Ap '64.

PETROLEUM PRODUCTS—TESTING

Evaluating the degree of agressiveness of petroleum products by the swelling of indicator rubbers L I Bichevskaia Kauch i rez 23 no 7 20 Jl '64

PETROLEUM PRODUCTS—TRANSPORTATION
Specialized automotive transportation for petroleum products. R. P Lakhno, A I Akhmedov, B. D Sorokin Neft khoz. 42 no 6 67-70 Je '64.

PETROLEUM REFINERIES
(see also subdivision under Krasnodar; Krasnodar Territory)

Small petroleum refineries. Nefteper i neftekhim. no. 8 44-46 '63

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES
Aluminum, titanium, and OKH21N5T and KH21N6M2T low-nickel steels as materials for the equipment of petroleum refineries and petrochemical plants. V.G. D'iakov, I.A. Levin, A.V. Shreider. Mash. i neft. obor. no.4:27-33 '63.

Coordinating conference on new equipment for petroleum refineries. Mash. i neft. obor. no.4:38 '63.

Determining the standard quantity of spare parts required for repairing equipment of petroleum-refineries and petrochemical plants S. I. Vol'fson, L I Buniatov Mash i neft. obor. no. 6:27-30 '63.

Experience in the operation of a modernized atmospheric-vacuum distillation unit I A. L'vov, A.G Zablotskii. Nefteper. i neftekhim. no 9 3-6 '63.

Machine for cutting disk patterns. A. I. Kukulieva. Mash. i neft. obor. no.4:36 '63.

Results of redesigning an oil-extracting device. A. Sh. Turov, A. V. Nikolaichuk. Nefteper i neftekhim. no. 5 3-6 '63

Steels with a low nickel content for equipment in petroleum refineries. IU.S. Medvedev. Mash. i neft. obor. no.4: 23-27 '63.

PETROLEUM REFINERIES—HEATING AND VENTILATION see subdivision under Omsk

PETROLEUM REFINING
(see also subdivision under Surgut District; United States; Volgograd Province)

Chervinskii, K.A. [Controlling the reactions of petrochemical synthesis] Upravlenie reaktsiiami neftekhimicheskogo sinteza. Moskva, Izd-vo "Khimiia," 1964. 122 p.

Determination of the economic effectiveness of capital investments in petroleum refining E. A. Shapiro. Nefteper i neftekhim. no. 5 21-26 '63

Determining the critical velocity of a fluidized polydispersed bed of granular material V. N. Petrov. Izv vys. ucheb. zav, neft' i gaz 5 no 10:53-58 '62.

Diagram of the atmospheric distillation of oil and the operation of topping towers L A Bayburskii, A.K. Manovian, O K. Odintsov Nefteper. i neftekhim. no 8 12-15 '63.

Efficient method for producing normal conditions in the vacuum section of an atmosphere and vacuum distillation unit. A. L. Chvertkin, A. A. Timofeev. Nefteper. i neftekhim. no. 2:3-5 '64.

Improving the technique in the alkali purification of diesel fuels. Ch. M. Dzhuvarly and others. Azerb. neft. khoz. 43 no. 3:34-36 Mr '64

PETROLEUM REFINING (Continued)

Investigating the extraction of paraffin hydrocarbons of normal structure from gasoline-ligroin fractions using molecular sieves [in Azerbaijani with summary in Russian] G. G. Ashumov and others. Azerb neft. khoz. 43 no. 3:39-41 Mr '64.

Moscow. Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [Control computers in the petroleum refining and chemical industries, foreign systems] Upravliaiushchie vychislitel'nye mashiny zarubezhnye sistemy. Tematicheskii nauchno-tekhnicheskii sbornik. Moskva, 1962 41 p. (Seriia: Neftepererabotka i neftekhimiia) [MICROFILM]

Nauchnaia sessiia po khimii sera i azotoorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh. [Chemistry of sulfur organic compounds in petroleums and petroleum products] Khimiia Seraorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh. Moskva, Gostoptekhizdat. Vol. 5. 1963. 262 p.

Petroleum crude as a source of ammonia S A Feygin, I N Sholpo Nefteper i neftekhim no 8 31-33 '63

Problems of the atmospheric vacuum distillation of petroleum P K Zmievskii Nefteper i neftekhim no 8 4-7 '63

Pyroburner having two functions. D. A. Aliev. Nefteper. i neftekhim. no. 2:38-40 '64.

Still with spiral nonreturbent coil for heating, reforming, and pyrolysis of petroleum products A. F Makhov, A D. Sudovikov, M. Z Maksimenko Mash i neft. obor no 5:31-33 '63

PETROLEUM REFINING—DESALTING

(see also subdivision under Arian region; Kuybyshev Province)

Operation of an electric desalter on a nonionogenic oxyethylene fatty acid demulsifier. I. E. Isofidi and others. Nefteper. i neftekhim. no. 5,3-5 '64.

PETROLEUM REFINING—DEWAXING

Intensifying the dewaxing of distillate raffinates. G. I. Glazov and others. Khim. i, tekh. topl. i masel 9 no. 4 16-21 Ap '64.

Obtaining lubricants from a mixture of Baku paraffin oils. R. Sh. Kuliev, I. S. Kevorkova. Azerb. neft. khoz. 42 no 6 34-36 Je '63.

UZD-1 ultrasonic dewaxer. M. I. Lalaev. Mash. i neft. obor. no. 4;9-11 '63.

PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Changing the system of control for rectification columns in the selection of lateral flows. A. K. Zinchenko. Nefteper. i neftekhim. no. 5;42-43 '64.

Commercial-test operation of a moisture analyzer for VN-1 oil. A. A. Abdullaev and others. Azerb. neft. khoz. 42 no. 6 38-40 Je '63

Selecting an efficient settler for petroleum. I. N. Rybachok, P M. Shul'ga Khim. i tekh. topl. i masel 9 no. 4;39-45 Ap '64.

PETROLEUM WASTE

Studying the composition of by-products formed in obtaining isoprene by the dehydrogenation of isopentane and isopentenes. K. N. Charskaia, E. I. Rodina, IU. A Gorin. Neftekhimiia 4 no. 2 194-199 Mr-Ap '64.

PETROLEUM WASTE—PURIFICATION

Final purification of waste waters with ozone V. A. Alekseeva, IA A Karelin Nefteper i neftekhim no 5: 19-21 '63.

Purification of waste water with ash-removal waters of heat and electric power plants Z. N Shevelina Nefteper i neftekhim no 5 17-19 '63

Removing dissolved petroleum from waste water using ozone. V. A. Alekseeva, IA. A. Karelin. Nefteprom. delo no. 4:33-35 '63.

PETROLOGY

(see also subdivision under Aldan Plateau; Karamazar Mountains; Kola Peninsula; Nuratau)

Some characteristics of the postmagmatic mineral formation of nickel-bearing intrusions. M. G. Mironchuk. Trudy Lab. geol. dokem. no. 19;364-381 '64.

PETROV, ALEKSANDR DMITRIEVICH, 1895-1964

A. D. Petrov; obituary. Neftekhimiia 4 no. 2;351-353 Mr-Ap '64

PETROV, NIKOLAI

Cliburn Contest prize-winner. M. Smirnov. Sov. muz 28 no. 1,89 Ja '64

PETROV, NIKOLAI PETROVICH, 1903-

Nikolai Petrovich Petrov, on his 60th birthday. Uzb. geol. zhur. 7 no 6:104-105 '63.

PETROVICHEV, PETR IVANOVICH, 1874-1947

Esin, S. N. [Bard of Russian nature] Pevets russkoi prirody. IAroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1964. 26p. (IUnomu kraevedu).

PETROVSK-ZABAYKAL'SKIY—IRON INDUSTRY

Effect of the communist labor movement on the development of production. I. I. Komogortsev. Izv. SO AN SSSR no 5. Ser. obshchestv nauk no 2 88-98 '63

PHAGOCYTOSIS

Formation of antibodies and phagocytic activity of blood neutrophils under the influence of galascorbin. E F. Shamrai, A. P. Moroz Vop pit. 22 no 3,56-60 My-Je '63

Phagocyte reaction in pregnant women and puerperants immunized with staphylococcal anatoxin. N. G Kosheleva. Akush. i gin. 40 no. 1,32-35 Ja-F '64

Phagocytic reaction in children during their first year of life determined against a background of an adequate diet under home conditions. T. N. Khaustova. Vop. pit 23 no. 1,30-33 Ja-F '64.

PHARMACOGNOSY

Pharmacognostic study of plants of the ginseng family. Report No. 2. N I. Suprunov. Mat. k izuch. zhen' i drug. lek rast. Dal'. Vost. no. 5:193-200 '63

PHARMACOLOGICAL SOCIETIES see subdivision under Ukraine

PHARMACOLOGY

(see also subdivision under Moscow)

Comparative data on the pharmacological effect of the roots of ginseng, Eleutherococcus, Echinopanax horridus and Aralia mandshurica I I. Brekhman. Mat. k izuch zhen' i drug. lek. rast. Dal' Vost. no. 5. 210-227 '63.

Effect of ginseng and some other substances on the course of alcohol and hexenal anesthesia E E. Belen'kii. Mat. k izuch zhen' i drug. lek rast. Dal' Vost. no 5,129-132 '63.

Effect of some pharmacological substances on delirious ideas in progressive paralysis. M. A. Rybalko. Trudy Gos. nauch.-issl. inst. psikh. 40,134-140 '63.

Effect of some pharmacological substances on the tonus and resting potential of smooth and tonic skeletal muscle fibers. A. I. Shevchenko. Farm. i toks. 26 no. 2;210-215 Mr-Ap '63.

Fundamental work G. S. Abiev and others. Azerb. med. zhur. no. 6;46-48 Je '62.

Leningrad Pharmacological Society and the Pharmacological Section of the Leningrad I M. Sechenov Society of Physiologists, Biochemists, and Pharmacologists. L. I. Tank. Farm. i toks. 25 no. 6;760-761 N-D '62.

Moscow Pharmacological Society. Z. T. Samoilova. Farm. i toks. 25 no. 6;757-760 N-D '62.

Relation of the development of inflammation to the state of the blood coagulation system. I. A. Oivin and others. Arkh. pat. 26 no. 2;63-68 '64.

Some serotonin antagonists V. V. Zakusov. Farm. i toks. 26 no. 2;131-138 Mr-Ap '63.

Vasilii Vasil'evich Zakusov; on his 60th birthday and 35th anniversary of scientific work. Farm. i toks. 26 no. 2;253-255 Mr-Ap '63.

Zabirov, I. SH., and R. A. Khaunina. [Pharmacology of substances blocking adrenergic mediation] Farmakologiia sredstv, blokiruiushchikh adrenergicheskuiu mediatsiiu. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 157 p. (DNLM)

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. nos. 14-16 Jl-Ag '64. Avtorskii ukazatel' za 1963 g.

PHARMACOLOGY—STUDY AND TEACHING

Some problems pertaining to the teaching of pharmacology in institutions of higher learning. E. B. Berkhin. Farm. i toks. 25 no. 6;753-754 N-D '62.

PHARMACY

(see also subdivision under Ukraine)

Answers to questions. B. D. Kostyns'ka, A. M. Khomych. Farmatsev. zhur. 18 no. 5:87 '63.

Answers to readers' questions. Farmatsev zhur 16 no 1:86-87 '61

Book reviews and bibliography. Farmatsev zhur. 16 no. 1 92-95 '61

Brief news and information. Farmatsev. zhur 18 no. 5: 89 '63.

Increasing the production of prepared drugs by lowering the number of extemporaneous prescriptions of pharmacies. K. F. Kulesh, F. A. Koniev, N. A. Buhrim. Farmatsev. zhur. 18 no. 5:3-7 '63.

Role of Soviet scientists in the development of control on pharmacy resources. M. M. Bushkova. Farmatsev. zhur. 18 no. 5:45-48 '63.

Use of cations for the quantitative determination of some new drugs. M. M. IAmpol's'ka. Farmatsev zhur. 18 no. 5:8-12 '63.

PHARMACY—EQUIPMENT AND SUPPLIES

(see also subdivision under Kiev; Kiev Province)

Apparatus for the transfer of liquids H B. Lander. Farmatsev. zhur. 16 no. 1:71-73 '61.

Expand the use of bactericidal lamps H. A. Vaisman. Farmatsev. zhur. 16 no. 1 64-67 '61.

PHARYNX

Musculus syndesmopharyngeus in the light of the evolution of the branchial musculature of mammals. G. A Gimmel'reikh. Arkh. anat., gist. i embr 43 no. 11:76-82 N '62.

PHARYNX—DISEASES

Local X-ray therapy of metaplastic hyperplastic lymphadenoid tissue of the lymphoid ring in acute leukemia. G. V. Skurkovich. Probl. gemat. i perel. krovi 8 no. 8: 25-29 Ag '63.

PHASE MICROSCOPY

Differential cytological diagnosis of precancer and cancer of the cervix uteri with luminescent and phase contrast microscopy E A Svindler Vop onk 10 no. 3:86-93 '64.

PHASE RULE AND EQUILIBRIUM

Change in the phase composition of pyrocerams under the effect of γ-rays. S. M Brekhovskikh, L. M Landa, N. I. Chubkina. Dokl. AN SSSR 157 no. 4,938-939 Ag '64.

Changes in structure and strength properties during the heating of an alloy deformed in the martensite state V I Zaitsev, V G Gorbach. Fiz met i metalloved 17 no 5 714-719 My '64

Changes in the defects of the crystal structure of martensite at the first stage of decomposition. L. I. Lysak, A. G. Drachinskaia. Sbor nauch. rab Inst. metallofiz. AN URSR no. 18 143-151 '64

Constitution and structure of the intermetallide phase in alloys of the six-component system Ti - Al - Cr - Fe - Si - B. V. S. Mikheev and others. Izv. AN SSSR. Met. i gor. delo no. 2 156-160 Mr-Ap '64.

Constitutional diagram of the chromium-ruthenium alloy. A. K. Shurin, G. P. Dmitrieva. Sbor. nauch. rab. Inst. metallofiz AN URSR no. 18:170-174 '64.

Constitutional diagram of the niobium-cobalt alloy A. K. Shurin, G. P. Dmitrieva. Sbor. nauch. rab. Inst. metallofiz AN URSR no 18 175-177 '64.

Critical points in the polymorphic transformations of iron during rapid heating IU IA. Meshkov. Sbor. nauch. rab Inst. metallofiz. AN URSR no. 18 90-95 '64

Damping of elastic vibrations in Cu-Be and Cu-In alloys during phase transformations. I. G. Polotskii, N S. Mordiuk. Sbor. nauch rab. Inst. metallofiz. AN URSR no. 18 163-169 '64

Despheroidizing effect of bismuth on the graphite phase in cast iron. A. P. Liubchenko, M V Mozharov, D. G Sherman. Fiz. met i metalloved. 17 no. 6,853-861 Je '64.

Determination of a macroscopic shift during martensite transformations in Cu-Al-Ni alloys. V. A. Lobodiuk, L. G. Khandros. Fiz. met. i metalloved. 17 no. 6 936-938 Je '64.

Effect of alloying elements on the orientation and the rate of the carbide phase isolation in the decomposition of austenite. M. P Kruilkovskaia, L. I. Lysak Sbor. nauch rab Inst. metallofiz. AN URSR no. 18, 129-135 '64.

Effect of defects in the crystal structure of hardened steel martensite on the mechanism and the kinetics of martensite decomposition. L. I. Lysak, A. G. Drachinskaia. Sbor. nauch. rab. Inst. metallofiz AN URSR no. 18;136-142 '64.

Effect of high pressure on the phase equilibrium line of the eutectoid part of the iron-carbon diagram. T. P. Ershova, E. G. Poniatovskii. Fiz. met. i metalloved. 17 no. 4:584-591 Ap '64.

Effect of plastic deformations of the gamma phase on hardening with subsequent martensite transformation of iron-nickel alloys. IU. N. Koval', L. G. Khandros. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18: 69-73 '64

Effect of stresses on the deformation of alloys of copper with aluminum and nickel in the temperature range of the martensite transformation. I. A. Arbuzova, L. G. Khandros. Sbor. nauch rab. Inst. metallofiz. AN URSR no. 18 40-46 '64.

Interaction of niobium and vanadium with magnesium. E. M. Savitskii and others. Trudy Inst. met. no. 14:139-146 '63.

Intermediate transformations in cast iron alloyed with aluminum. L. P. Ivanova, IU. G. Bobro, I. A. Tananko. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;202-209 '64.

Liquid - vapor equilibrium in the system benzene - cyclohexane - methylcyclopentane. M. P. Susarev, R. V. Lyzlova. Zhur. fiz. khim. 36 no. 3:437-442 Mr '62.

Liquid - vapor equilibrium in the system triethylamine - water - phenol near the point of demixing [with summary in English]. M. V. Kal'sina, M. B. Nikiforova, N. E. Khazanova. Zhur. fiz. khim. 38 no. 2,368-371 F '64.

Mechanism and the structural forms of the intermediate transformation of austenite in die steel. F N. Tavadze, E. K Kovshikov. Trudy GPI [Gruz.] no 4;65-74 '62.

Mechanism of the formation of austenite at high rates of heating. V. N. Gridnev, V. N. Minakov, V. I. Trefilov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18: 107-114 '64.

Morphology and orientation of α-martensite in single crystals of Fe-Mn-C steel. Part 3 L. I. Lysak, B. I Nikolin. Fiz. met i metalloved. 17 no. 5 708-713 My '64

Nature of transformations in unformed α-brasses. V. E. Panin, L. D. Kuznetsova. Fiz. met i metalloved. 17 no. 5 798-800 My '64.

Orientation and mechanism of the formation of cementite during its isolation from austenite. L. I. Lysak, A. I Timofeeva. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18;152-164 '64.

PHASE RULE AND EQUILIBRIUM (Continued)

Periodicity of the structure and properties of lanthanides in connection with their constitutional diagrams. V.K. Grigorovich. Trudy Inst.met. no.14:212-226 '63.

Phase distribution in the solid-liquid region of castings. R.A. Bakhtiarov, A.M Kats. Izv.AN SSSR Met i gor. delo no.2 117-123 Mr-Ap '64.

Phase equilibria in the system yttrium - alumina. N A Toropov and others. Izv.AN SSSR Ser.khim no 7: 1158-1164 Jl '64.

Phase transformations in cobalt. I.S Bolgov, IU N. Smirnov, V.A. Finkel'. Fiz.met.i metalloved. 17 no.6,877-880 Je '64.

Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems by means of the method of projections. Part 2. A.I. Landau. Zhur.fiz.khim. 36 no.3:463-468 Mr '62.

Reversibility of $\beta \rightarrow \omega$ transformations in Zr-16% Nb alloys. IU.P. Bychkov, V A. Ivanov, A N. Rozanov Fiz. met. i metalloved 17 no 4:547-553 Ap '64

"Rule of common tangents" in the thermodynamic construction of constitutional diagrams of binary systems. A.M. Chernyshev. Trudy Inst.met. no.14:25-28 '63.

Time dependence of the strength of aluminum-base, two-phase alloys. S.N. Zhurkov, V.I Betekhtin, A.I. Slutsker Fiz.met.i metalloved 17 no.4:564-571 Ap '64

PHENANTHRENEDICARBOXYLIC ACID

Stereochemistry of cyclic compounds. Report No.59: Action of hypobromous acid on 13-methyl-7-keto-Δ4(12)-dodecahydrophenanthrene-cis-1,2-dicarboxylic acid and its diester. I.A.Gurvich, V F.Kucherov. Izv.AN SSSR.Ser.khim no.7:1241-1246 Jl '64.

Stereochemistry of the oxidation of geometrical isomers of 13-methyl-7-acetoxy-Δ4(12)-dodecahydrophenanthrene-1,2-dicarboxylic acid and their derivatives. V.F.Kucherov, I.A.Gurvich, I.M.Mil'shtein. Dokl. AN SSSR 158 no.1:159-162 S-O '64.

PHENETHYLAMINE—PHYSIOLOGICAL EFFECT

Effect of phenamine on hypnosis. P.G.Kulikov. Trudy Gos.nauch.-issl.inst.psikh. 40:297-303 '63.

Effect of the fluid extract from the roots of ginseng and phenamine on dynamic accommodation. N.A.Golikov. Mat.k izuch.zhen'.i drug.lek.rast.Dal' Vost. no 5: 111-114 '63.

PHENETHYLAMINE—TOXICOLOGY

Use of mineral corticoids in the prevention of the toxic effects of phenamine and adrenaline in adrenalectomized rats. I.V.Markova. Farm.i toks. 26 no 2:201-205 Mr-Ap '63.

PHENOL CONDENSATION PRODUCTS

Glass textolite based on phenol-formaldehyde resins modified by polyphenylaluminosiloxanes. K.A.Andrianov, IA.L.Shugal, E.Z.Asnovich. Plast.massy no.2: 44-48 '64.

Plant production of VNIINP-370 and VNIINP-371 additives. A.V.Druzhinina and others. Nefteper.i neftekhim. no.5:7-12 '64.

Process of condensation of 9,10-bis (chloromethyl) anthracene with phenol. N.K. Moshchinskaia, M.S. Ogil. Trudy DKHTI no.10:53-58 '62.

Properties of vulcanizates from butadiene-nitrile rubber combined with thermosetting resins B N Dlozburg, B.A Safrai, N K.Barambol. Kauch i rez. 23 no 7 11-15 Jl '64

PHENOL CONDENSATION PRODUCTS—SPECTRA

Proton magnetic resonance spectra of terpene phenols prepared by condensation of camphene with phenol and cresols. V.F.Bystrov and others. Zhur.ob.khim. 34 no.7:2476-2477 Jl '64.

PHENOLOGY

"Problems of forest phenology, geographical symposium," no.10, 1963. Reviewed by I N.Elagin. Bot zhur. 49 no 5 745-746 My '64.

PHENOLOGY—MAPS

Method of medium-scale phenological mapping. G.S. Malyshova. Izv Vses.geog ob-va 96 no.3:226-231 My-Je '64.

PHENOLOGY—STUDY AND TEACHING

Stationary meteorological and phenological observations. V. Sitenov. Sred.spets.obr. 11 no.6:13-16 Je '64.

PHENOLS

Anisotropy of the fusing of o-nitrophenol in saturated camphor vapors. P.A.Savintsev, A.F.Naumov. Rost krist. 4:45-47 '64.

Chemical reagent for the treatment of muds based on a ligroin-kerosine fraction of crude phenols. D.S. Kasum-Zade, G.IA.Dedusenko, T.A. Markarova. Azerb.neft.khoz. 43 no.3:18-19 Mr '64.

Heterochain polyesters. Report No.56: Mixed block polyarylates based on polyethylene oxide, diatomic phenols, and aromatic dicarboxylic acid chlorides. S.V.Vinogradova, V.V.Korshak, G.Sh.Papava. Izv. AN SSSR.Ser.khim. no.7:1296-1302 Jl '64.

Liquid - vapor equilibrium in the system triethylamine - water - phenol near the point of demixing [with summary in English]. M.V.Kal'sina, M.B.Nikiforova, N.E. Khazanova. Zhur.fiz.khim. 38 no.2 368-371 F '64.

Melting diagram of the ternary system urea - phenol - resorcinol I.I.Il'iasov, A.G Palobekov, A.G Bergman. Zhur ob khim. 34 no.7,2099-2103 Jl '64

Oxidizing cracking of phenols of generator tar from Lipovets run-of-mine coal of the Upper Suifun Basin Z.M Rybalko. Trudy DVFAN SSSR.Ser khim no 6: 90-92 '62.

Removal of tarry matter from tar water prior to dephenolization. P.N.Kolomiitsev Koks i khim no.6:51-52 '64.

Sterically hindered aminophenols and quinodiazides. G.A.Nikiforov, V.V Ershov. Izv.AN SSSR.Ser.khim no.7:1335-1337 Jl '64.

Study of some dialkylaminomethylphenols and aromatic sulfides O A Osipov and others Dokl.AN Azerb SSR 19 no.9.21-24 '63.

Treatment of pulmonary paragonimiasis with bithionol. N N.Plotnikov, S.K.Litvinov. Med.paraz.i paraz.bol 32 no.4:405-407 Jl-Ag '63

PHENOLS—TOXICOLOGY

Experimental data on the age factor in fish resistance to toxic substances. V.I.Luk'ianenko, B.A.Flerov Farm.i toks. 26 no 5 625-629 S-O '63

PHENOTHIAZINE

Action of nitric acid on polybromophenothiazines. C.Bodea, V.Forkashan, I.Oprean. Zhur.ob.khim. 34 no.7:2369-2371 Jl '64.

Vermifugal treatment of swine with piperazine and piperazine combined with phenothiazine O Plann Veterinariia 41 no 4 62-63 Ap '64

PHENOTHIAZINE—THERAPEUTIC USE

Pharmacological principles in the use of Soviet preparation chloracizin as an antidepressant. E.L.Shchelkunov. Zhur.nevr.i psikh. 63 no.9 1415-1419 '63.

PHENYLPYRUVIC OLIGORPHRENIA

Adaptation of oligophrenics to the new functional level of cerebral activity. N M.Trofimov. Izv APN no.129 251-255 '63.

PHILOSOPHY

Historiography of philosophy and present-day ideological struggle. A.I Novikov Uch.zap.Kaf.obshchestv.nauk vuz.g.Len.; Filos. no.4:187-203 '63.

Kant, Immanuel. [Works in six volumes. Translated from the German] Sochineniia v shesti tomakh. Moskva, Izd-vo "Mysl'."
Vol.2. 1963. 509 p. (Filosofskoe nasledie)

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—CONGRESSES

At the philosophy congress in Mexico City. M.H. Rutkevich. Nauch.dokl.vys.shkoly, filos.nauki 7 no.1:36-48 '64.

PHILOSOPHY—DICTIONARIES

First Marxist philosophical encyclopedia. TS.Arzakan'ian and others. Kommunist 41 no 10.113-122 Jl '64.

PHILOSOPHY OF NATURE

For further creative work on the philosophical issues in contemporary natural science A V Shutailin. Vop filos 18 no.6 49-51 '64

Is the dialectics of nature an independent part of Marxist philosophy. T Abdyldaev. Vop.filos. 18 no 6 52-55 '64.

Novinskii, I.I. [Dialectic of living nature] O dialektike zhivoi prirody. Moskva, Izd-vo "Nauka," 1964. 181 p.

The place and the objectives of philosophical problems of natural science in the Marxist-Leninist philosophy. V.I.Mal'tsev. Vop filos. 18 no.6:55-58 '64

The problem of segregating the "dialectics of nature" as a relatively independent branch of Marxist philosophy. P.S Zabotin, F.D.Kramar, N.I.Suvorov. Vop filos 18 no 6:47-49 '64

PHONONS

Reestablishment of the phonon spectrum of a single crystal of copper from individual experimental data by the theta expansion method. A.B.Almazov. Fiz.met.i metalloved. 17 no.6:931-934 Je '64

PHOSPHATASES

Effect of pain on the functional activity of alkaline phosphatase in the kidneys of white rats. G.T.Adunts, R.A.Abramova. Izv.AN Arm.SSR.Biol.nauki 17 no.2:21-32 F '64.

PHOSPHATES

Compleximetric determination of phosphate ions in pharmaceutical preparations. Report No.2. S.M. Birinboim. Farmatsev.zhur. 18 no.5:41-44 '63.

Determination of silicon and phosphorus compounds in viscose titanium dioxide. A.V.Zholnin, V.A.Malevannyi. Khim.volok. no.3:61-62 '64.

Inorganic polyphosphates in the roots of corn. V.M. Vogabov, I.S.Kulaev. Dokl.AN SSSR 158 no.1:218-220 S-O '64.

Production of "phosphate slag". A V.Grineva, V F. Pakhovskaia. Nauch ezhegod Khim.fak Od un no 2 36-38 '61

Use of phosphate meal. A M.Klochkov Zemledelie 26 no 6:31-33 Je '64

PHOSPHATIDES

Effect of a damp thermal treatment of meat on the content of cholesterol and phosphatides in the meat and its broth N.Kh Sandler Sbor.nauch rab stud Volg gos med inst. no 1:37-43 '60

Effect of a diet deficient in lipotropic substances on the excretion of biliary phospholipids. U Z.Kadyrov. Vop.pit 22 no 3:28-36 My-Je '63.

Protein and phosphatide composition of creamery butter made with the Meleshin method P F D'iachenko A.G Golel' Sbor ref nauch rab VNIMP no 1 18-20 '55

PHOSPHINE OXIDE

Heterochain polyesters. Report No.51. Polyamidoarylates and polyarylates based on acid chloride of bis-(p-carboxyphenyl)-methylphosphine oxide. V.V Korshak, S.V.Vinogradova, U Ban-luan' [Wu Pang-yuan] Izv AN SSSR Ser khim no.7 1292-1205 Jl '64.

PHOSPHINE SULFIDE

Comparative evaluation of the effectiveness of some methods of treating lymphogranulomatosis. M.G.Masik, E.I.Barba. Probl.gemat.i perel.krovi 8 no.8:57 Ag '63.

PHOSPHINIC ACIDS

Addition of nucleophilic reagents to diethyl ester of γ,γ-dimethylallenylphosphinic acid. A N.Pudovik, N.G.Khusainova, I.M Aladzheva. Zhur ob.khim. 34 no 7:2470-2471 Jl '64

Interaction of dialkyl phosphorous acids with aldehydes and ketones. Part 25: Esters of α-hydroxy-β-(2,2,3-trimethylcyclopenten-3-yl)ethylphosphinic and α-hydroxynitrobenzylphosphinic acids V S.Abramov, L.I.Kiriukhina, N Kudriavtseva Zhur ob khim 34 no 7:2235-2238 Jl '64.

Reaction of carbethoxymethylenetriphenylphosphorane and diethyl ester of carbethoxymethylphosphinic acid with some aldehydes and ketones. L.A.IAnovskaia, V.F.Kucherov Izv.AN SSSR Ser.khim no 7.1341-1343 Jl '64.

Spontaneous formation of large oriented structures in a nonregular copolymer of the diethyl ester of vinylphosphinic acid and acrylic acid. V.A Kargin, A A Efendiev, Z IA Berestneva Dokl AN SSSR 157 no 1 125-126 Jl '64

Synthesis and properties of α-hydroxymethylphosphinic and dimethylolphosphinic acids. B.E.Ivanov, T.I. Karpova. Izv.AN SSSR.Ser khim. no.7.1230-1233 Jl '64.

Synthesis of dialkyl phosphinates. O.N.Grishina, R.Z. Sabirova, I.A.Sokolova. Neftekhimiia 4 no 2 320-322 Mr-Ap '64.

Synthesis of p-methylbenzylphosphinic acid. S.R.Rafikov, M.E.Ergebekov. Zhur.ob khim. 34 no.7:2230-2233 Jl '64.

PHOSPHINOTHIOIC ACID

Thiophosphinites. K.A.Petrov and others. Zhur.ob. khim. 34 no.7:2226-2228 Jl '64.

PHOSPHINOUS ACID

Effect of carbon tetrachloride and chloral on some alkyl esters of diphenylphosphinous and phenylethylphosphinous acids. F.M.Kharrasova, Gil'm Kamai. Zhur.ob.khim 34 no.7:2195-2201 Jl '64.

PHOSPHOMOLYBDIC ACIDS

Properties of heteropoly blue obtained in the reduction of phosphomolybdic acid with thiourea. B.E.Reznik, L.P.TSyganok. Zhur.anal.khim. 19 no.5.574-587 '64.

PHOSPHOPROTEINS

Complexes of protein molecules with polyanions and the effect of ultrasonic waves on them F.L.Braginskaia, I.E El'piner. Biofizika 8 no.1:34-39 '63.

PHOSPHORANE

Reaction of carbethoxymethylenetriphenylphosphorane and diethyl ester of carbethoxymethylphosphinic acid with some aldehydes and ketones. L.A.IAnovskaia, V.F Kucherov. Izv.AN SSSR.Ser.khim. no.7:1341-1343 Jl '64.

PHOSPHORESCENCE

Phosphorescence of benzoic acid. G M Kisliak, G.M. Lysenko. Izv.vys.ucheb.zav., fiz. no.4:13-18 '64.

PHOSPHORIC ACID

Acidity function of the system $P_2O_5 - H_2O$. A.I. Gel'bshtein and others. Zhur.neorg.khim. 9 no.6: 1502-1505 Je '64.

Effect of dehydration of soil samples on the content of readily soluble phosphoric acid. G.B. Babaian, O.B. Gasparian. Izv. AN Arm. SSR. Biol.nauki 15 no.12: 75-80 D '62.

PHOSPHORIC ACID (Continued)

[illegible] acid [illegible], P. S. [illegible], O N [illegible] 6:2172-14 I Je '64

[illegible]

PHOSPHORODITHIOIC ACID

[illegible] Part 77 Interaction of [illegible] phosphorodithioic acid esters with [illegible] alcohols K D Shvetsova-Shilovskaia, N I Lebedeva, N N Mel'nikov Zhur ob khim 34 no 7 [illegible] Jl '64

PHOSPHOROTHIOIC ACID

[illegible] N' N' [illegible]ylenediamides of phosphorothioic acid I D [illegible], N IA Skul'skaia. Zhur ob khim 34 no 7 2233-2234 Jl '64

Organic insecticides Part 77 Interaction of phosphorochloridates and phosphorodithioic acid esters with ammonia, amines and amino alcohols K D Shvetsova-Shilovskaia, N I Lebedeva, N N Mel'nikov. Zhur ob khim 34 no 7 2133-2140 Jl '64

PHOSPHOROUS ACID

Alkylaryl esters of pyrocatechin phosphorous acid as the new stabilizers of polymers E N Matveeva and others. Plast. massy no 2 37-39 '64

[illegible] phosphorous acid ether [illegible] V. A Kukhtin, I. P Gozman. [illegible] AN [illegible] 158 no.1 157-158 S-O '64.

PHOSPHOROUS ORGANIC COMPOUNDS

Obtaining self-damping chlorine-containing polyester resins by means of unsaturated organophosphorous compounds P Z Li E V Mikhailova, L V Bykova Plast massy no 2 13-16 '64

PHOSPHORS

[illegible] IU I [illegible] Izv vys ucheb zav , fiz [illegible] '63

Fok, M.V. [Introduction to the kinetics of the luminescence of crystal phosphors] Vvedenie v kinetiku liuminestsentsii kristallofosforov. Moskva, Izd-vo Nauka," 1964. 283 p.

Role of the chlorinating roasting of sulfides in the formation of the luminescence centers of "self-activated" [illegible] phosphors. A. M. Gurvich. Zhur. fiz. khim. 38 no.2 456-459 F '64.

PHOSPHORS, EFFECT OF RADIATION ON

Effect of temperature and excitation density on the damping of scintillations in ZnS-Cu and ZnS-Ag V S [illegible], F. F. [illegible] Izv vys ucheb zav , fiz no. 1 141-143 '64

PHOSPHORUS

P^{30} levels manifesting themselves in the $Si^{29}(p, p)Si^{29}$ reaction. V.E.Storizhko, A.I.Popov Izv.AN SSSR. Ser.fiz. 28 no.7:1152-1155 Jl '64.

PHOSPHORUS ACIDS

Interaction of sodium diethyl phosphite with 1, 2-dibromocyclohexane and 1, 2-dibromoethane. B. A. Arbuzov and others. Dokl AN SSSR 158 no 1 137-140 S-O '64

Mixed anhydrides of acrylic and methacrylic acids and acid esters of phosphoric, phosphinic, and phosphorous acids. A N.Pudovik, E.I.Kashevarova, V.M.Gorchakova. Zhur ob.khim. 34 no 7 2213-2218 Jl '64.

PHOSPHORUS GALLIUM ALLOYS see Gallium-phosphorus alloys

PHOSPHORUS IN THE BODY

Effect of insulin on phosphate excretion by the "little rumen" wall in cattle N Z Bzhets'kyi, M M Vol's'kyi. Dop AN URSR no.8:1092-1094 '64

PHOSPHORUS INDUSTRY see subdivision under Bryansk

PHOSPHORUS ISOTOPES

Possible errors in evaluating the degree of malignancy of tumors by radiophosphorus P^{32} V V Volkov Dokl AN SSSR 157 no 1 183-186 Jl '64

Study of the alimentary interrelationship between nematodes living under the elytra of the European spruce bark beetle and the bark beetle as a host D.E Kurashvili, G A.Kakulija, Sh.Sh.Chanishvili. Soob. AN Gruz SSR 33 no 3,671-678 Mr '64.

Study of the bremsstrahlung of P^{32} with the aid of a scintillation γ-spectrometer V. I. Lapchenkov, Biofizika 8 no 1:117-122 '63

PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of radioactive phosphorus on the incubation process of hen eggs at various stages of their development S A Dzhabieva Dokl AN Azerb.SSR 19 no 9 85-87 '63

PHOSPHORUS METABOLISM

Dynamics of phosphorus compounds in the ontogenesis of the potato A P Shikina Trudy Inst bot, AN Kazakh SSR 16:135-156 '64

Phosphorus distribution between the muscle and the environment in solutions with various calcium concentrations. L. N. Pisareva. TSitologiia 5 no. 4:420-427 Jl-Ag '63.

PHOSPHORUS ORGANIC COMPOUNDS

Derivatives of diethoxyphosphorylamido-N-sulfenic acid P.I.Alimov, L A.Antokhina Izv.AN SSSR Ser. khim no 7:1316-1317 Jl '64.

Effect of phosphorus organic antiglaucomatous preparations on peripheral vessels. I.D.Neklesova, N.E Piontak Farm.i toks 25 no.6:725-731 N-D '62.

Integral intensities of stretching vibration bands of alkyl - O - (P) in the infrared spectra of some thio-organophosphorus compounds. Infrared spectra and structure of bis(alkoxythiophosphono)disulfides of bis(N-trialkyl- and N-dialkylammonium) A F Vasil'ev, B A Khaskin Zhur.ob.khim. 34 no.7:2322-2326 Jl '64.

PHOSPHORUS ORGANIC COMPOUNDS—PHYSIOLOGICAL EFFECT

Quantitative study of the penetration of an organic phosphorus anticholinesterase substance with a positive charge in the molecule from the blood into different segments of the cat brain. E.V.Zeimal' Farm i toks 26 no 2 157-164 Mr-Ap '63.

PHOSPHORUS OXIDES

Aromatic hydrocarbons. Part 30: p-Bromophenyltetrahydrophthalic anhydrides and p-bromobenzyltetrahydrobenzoic acids in the reaction with phosphorus pentoxide. V R.Skvarchenko, V.A.Puchnova, R.IA.Levina Zhur. ob.khim. 34 no 7,2210-2213 Jl '64

PHOSPHORYL CHLORIDE

Intermolecular reaction between $POCl_3$ and $TiCl_4$. D.I.TSekhovol'skaia. Zhur.neorg.khim. 9 no.6: 1387-1392 Je '64.

Reactions of diglycide ether with dialkylphosphoryl chlorides. A.N.Pudovik, E.M.Faizullin, E.Kh. Mukhametzianova. Zhur.ob khim 34 no 7:2471-2472 Jl '64

PHOSPHORYLASES

Changes in phosphorylase activity in some organs of white rats under the effect of heptakhlor. F.O.Onikienko. Fiziol.zhur. 10 no.1:125-127 '64.

PHOSPHORYLATION

Effect of mercury-free diuretics on tissue respiration in vitro and oxidative phosphorylation of isolated liver mitochondria. E.Geres. Farm.i toks. 26 no.2: 192-197 Mr-Ap '63.

Effect of papaverine, euphyllin and adrenaline on oxidative phosphorylation and the creatine phosphate content of the myocardium. I.E.Kisin. Farm.i toks. 26 no.2:197-201 Mr-Ap '63.

PHOTOCHEMISTRY

Photochemical reduction of ceric sulfate in aqueous solutions of sulfuric acid. A. A. Kachan, P. P. Makhovka. Zhur. fiz. khim. 36 no. 3:526-532 Mr '62.

Photochemistry of reduced pyridine nucleotides and N-benzylnicotinamide. A. A. Krasnovskii, G. P. Brin. Dokl. AN SSSR 158 no.1,225-228 S-O '64.

Photosensitized decomposition of saturated hydrocarbons and alcohols in the solid phase. N. N. Bubnov, N. M. Bazhin, V. V. Voevodskii. Kin. i kat. 5 no. 2:357 Mr-Ap '64.

PHOTOCOPYING PROCESSES

IAnson, K.R. [Photographing with screens of high linearity] Fotos''emka s vysokolineaturnymi rastrami. Moskva, Vses. nauchn.-issl. in-t poligraficheskoi promyshl., 1963. 39 p. (Informatsionnye materialy. Seriia: Reproduktsionnye i formnye protsessy)

Organization of work in photographic sections of State archives of autonomous republics, territories, and provinces. Vop arkh. 8 no 3:86-90 Jl-S '63.

Preparation of illustrated anthologies and the acquisition of photographic copies of documents for secondary schools L M. Maiorov. Vop arkh. 8 no. 3:63-71 Jl-S '63.

PHOTODYNAMIC ACTION

Pharmacological study of the photosensitizing preparation beroxan. IA. I Khadzhai, V. F. Kuznetsova. Farm. i toks 26 no. 2,219-224 Mr-Ap '63.

PHOTOELASTICITY

Investigation of three-dimensional photoelastic models. Kh. K Aben. Izv. AN SSSR. Mekh. i mashinostr no. 4: 40-46 Jl-Ag '64.

Study by the photoelastic method of the stressed state of rocks around sublevel entries in thick steeply pitching seams. E. A. Zimina, E. N. Tarasenko. Zap. LGI 48 no. 1:3-11 '63.

Studying the stability of untimbered mine workings in a biaxial stressed state using the photoelastic method. T. N Tsai [Ts'ai], L. M. Erofeev, L. A. Mitroshnikova. Trudy KuzNIIshakhtostroia no. 1:63-79 '63.

PHOTOELECTRIC MEASUREMENTS

Classification of photoelectric microscopes. A M Dubinovskii. Izm tekh. no. 3:13-15 Mr '64

PHOTOELECTRICITY

Internal photoeffect in solid heptane irradiated by fast electrons. E.L.Frankevich, B.S IAkovlev. Izv.AN SSSR Ser.khim. no.7:1357-1358 Jl '64.

Relativistic atomic photoeffect. V.G.Gorshkov, A.I. Mikhailov. Izv.AN SSSR.Ser.fiz. 28 no.7:1169-1173 Jl '64.

PHOTOGRAPHIC EMULSIONS

Use of synthetic polymers in the production of photographic emulsions. S M. Levi. Tekh. kino i telev. 8 no. 7 13-21 Jl '64.

PHOTOGRAPHIC SURVEYING

Deducing a formula for the preliminary calculation of the distance between elevation control points for a survey mapped at a scale of 1:100,000. [illegible] Sbor. nauch. trud. KGRI no 10:151-162 '61.

Luminosity intervals of luminescent cartographic originals. E. I. Khalugin. Geod. i kart. no. 5:[illegible]-57 My '64.

Results of experimental work on constructing photogrammetric nets using universal instruments. N. A. Sokolova, K. N. Gertsenova, A. G. Vanin. Geod. i kart. no. 5:28-41 My '64.

PHOTOGRAPHS

Photo novella of an author. Maks Polianovskii. Teatr 24 no. 8:91-94 Ag '63

The reader opens the brackets. Teatr 24 no. 8:94 Ag '63

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur. Fotokinotekh. no. 8 Ag '64.

Romanin, V. A. [Photographic and cinematographic merchandise] Fotokinotovary. Moskva, Ekonomika, 1964. 200 p.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Photographic examination of pulsations in plasmatrons with air stabilization. A. M. Trokhan. PMTF no. 2: 160-163 Mr-Ap '64.

PHOTOGRAPHY, AERIAL

Use of wide-angle cameras in aerial color photography N. P. Lavrova. Izv. vys ucheb zav.; geod. i aerof. no. 5:109-115 '63.

PHOTOGRAPHY, UNDERWATER

Rogov, A. A. [Underwater photography] Fotos''emka pod vodoi. Moskva, Izd-vo "Nauka," 1964. 101 p. illus. (Nauchno-populiarnaia seriia)

PHOTOMETERS

Photometric devices for determining the composition of the substance. V. E. Melkumian. Mekh. i avtom. proizv. 18 no. 1:25-30 Ja '64.

Universal photoelectric photometer with automatic control. V. V. Kubyshkin. Astron. zhur. 41 no. 4: 738-742 Jl-Ag '64.

PHOTOMETRY

Determination of calcium in blood plasma by the flame photometry method. S. Kh. Karymova. Lab. delo no. [illegible] 416 '64

Determination of zirconium in cast iron with chlorosulfophenol C as reagent. IU. M. Dedkov and others. Zav. lab. 30 no. 6 654-655 '64.

Extraction-photometric determination of perchlorates in the presence of chlorates. V. A. Golosnitskaia, V. I. Petrashen'. Trudy NPI 143:73-81 '63.

Methodology for quantitative determination of steroid hormones using the FEK-M apparatus IU E. Vel'tishchev, L. P Gavriushova Lab delo no. 7 417-419 '64.

Precision measurement of the lattice spacing under conditions of broadened interference lines. IA. M. Golovchiner. Zav. lab. 30 no. 6:707-712 '64.

Use of gallein for the photometric determination of bismuth. A. I. Cherkesov and others. Trudy Astr. tekh. inst. ryb. prom. i khoz. no 6:74-81 '62.

PHOTOSYNTHESIS

Demonstration experiment on photosensitizing action of chlorophyl. A. A. Gurevich. Nauch. dokl. vys. shkoly; biol. nauki no. 3:154-156 '64.

Effect of oxygen concentration on the rate of photosynthesis and respiration in aquatic plants. V. M. Kutiurin, M. V. Ulubekova, N M. Nazarov. Dokl. AN SSSR 157 no. 1:223-226 Jl '64.

Effect of the processes of generative development on nocturnal photosynthetic depression in plants V. O Kazarian, V. A. Davtian. Dokl. AN Arm. SSR 37 no 4 231-236 '63.

Interrelations of photosynthetic and dark fixation of CO_2 in the carbon nutrition of plants. A. T. Mokronosov. Bot. zhur. 49 no. 7:935-940 Jl '64.

Photosynthesis and mineral fertilizers. A. A. Nichiporovich. Agrokhimiia no 1:40-52 Ja '64

PHOTOSYNTHESIS (Continued)

Production of organic matter at the expense of the photosynthesis of phytoplankton in Lake Baikal. S.I. Kuznetsov, V.I.Romanenko, V.I.Glazunov. Dokl.AN SSSR 156 no 6:1444-1447 Je '64.

Quantitative relation between the chlorophyll and photosynthesis. V.I.Haponenka. Vestsi AN BSSR. Ser. biial. nav. no. 4:28-33 '63.

PHOTOSYNTHESIS—CONGRESSES

Symposium on the mechanism of photosynthesis at the Fifth International Biochemical Congress. F.F. Litvin, IU.A Vladimirov. Biofizika 7 no 5:652-656 '62.

PHTHALAN

Hydroxydihydrofurans. Part 12: Basic properties of the isomerization products of acetylenic hydroxyphthalans. T.G.Molent'eva, L.A Pavlova, E.D.Venus-Danilova. Zhur.ob.khim. 34 no.7:2267-2275 Jl '64.

PHTHALIC ANHYDRIDE

Aromatic hydrocarbons. Part 30: p-Bromophenyltetrahydrophthalic anhydrides and p-bromobenzyltetrahydrobenzoic acids in the reaction with phosphorus pentoxide. V.R.Skvarchenko, V.A.Puchnova, R.IA.Levina. Zhur. ob.khim. 34 no.7:2210-2213 Jl '64.

PHTHALIMIDE

N-vinyl imides of unsaturated dibasic acids. A.F. Nikolaev, M.E.Rozenberg. Zhur.ob.khim. 34 no.7: 2332-2335 Jl '64.

PHTHALOCYANINE

Metal phthalocyanines in solutions. Part 6. B.D.Berezin. Zhur.fiz.khim. 36 no.3:494-501 Mr '62.

Use of the paramagnetic resonance method in studying the products of the dark reduction of phthalocyanines by metallic sodium. V.E.Kholmagorov, A.V Shablin. Opt i spektr. 17 no.2:298-299 Ag '64.

PHTHIVAZIDE

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. F.M. Garago. Probl.tub. 42 no.1:6-11 '64.

The course of aseptic tuberculous inflammation under the influence of basic antituberculous preparations. O.A.Mikhailova, G.O.Loogna. Pat fiziol.i eksp. terap. 6 no.4:41-44 Jl-Ag '62.

Experience in control of tuberculosis. I M.Akopian. Probl.tub. 42 no.1:12-15 '64.

Metabolism of vanillin as a phthivazide ingredient. L.I. Grebennik, T.B.Gnevkovskaia, G.A.Smirnov. Vop. med.khim. 9 no.2:127-133 Mr-Ap '63.

PHYLLOSTICTA see subdivision under Crimea

PHYLOGENY

Phylogenetic relations among the weevils of the subfamily Cleoninae (Coleoptera, Curculionidae). M.E. Ter-Minasian. Ent.oboz. 42 no.4:782-792 '63

PHYSICAL EDUCATION AND TRAINING
(see also subdivision under Rostov Province)

Passes, not dependents. E.Pastukhov. Sov.profsoiuzy 20 no.16:20-21 Ag '64.

Comments by the participants of health groups. A.A. Volkov. Teor.i prak.fiz.kul't. 27 no.5:57-59 My '64.

How to plan year-round training. L.P.Matveev. Teor.i prak.fiz.kul't. 27 no.5:65-71 My '64.

Improvement of higher physical education and training. S.D.Sinitsyn. Teor.i prak.fiz.kul't. 27 no.4:62-64 Ap '64.

In the physical education and training organizations. Teor.i prak.fiz.kul't. 27 no.4:74-79 Ap '64.

Methodology of health group work. K.T.Sokolov, R.I. Rakitina. Teor.i prak.fiz.kul't. 27 no.5:55-57 My '64.

Physical education of the students of correspondence and evening pedagogical institutions and schools. G.A. Kalashnikov. Teor.i prak.fiz.kul't. 27 no.4:61-62 Ap '64.

Physical education organizations and the problems of the physical and hygienic education and training of the population. L.G.Nikonov. Teor.i prak.fiz.kul't. 27 no.5:6-10 My '64.

Scientific and pedagogical problems of higher physical education and training. E.S.Gromadskii. Teor.i prak.fiz.kul't. 27 no.4:59-61 Ap '64.

Sports should be developed on a large scale on virgin lands. M.I.Tokarev. Teor.i prak.fiz.kul't. 27 no.4:51-53 Ap '64.

Student brigades on virgin lands. S.L.Glein, N.P. Spektor. Teor.i prak.fiz.kul't. 27 no.4:48-50 Ap '64.

Trade-union organizations of physical education and training as schools of public self-government. K.A. TSaturova. Teor.i prak.fiz.kul't. 27 no.4:43-46 Ap '64.

V.I. Lenin on the physical hardening of revolutionaries. G.S.Demeter. Teor.i prak.fiz.kul't. 27 no.4:7-11 Ap '64.

PHYSICAL EDUCATION AND TRAINING—CONGRESSES

International symposium on the philosophical and sociological problems of physical education and sports. G.I.Kukushkin. Teor.i prak.fiz.kul't. 27 no.5:61-64 My '64.

Results of the year. V.E.Ryzhkova. Teor.i prak.fiz. kul't. 27 no.5:76-78 My '64.

PHYSICAL EDUCATION FOR CHILDREN
(see also subdivision under Cuba)

IAnkelevich, E.I. [From three to seven] Ot trekh do semi. [2.,perer. i dop. izd.] Moskva, "Fizkul'tura i sport," 1964. 103 p. (Gimnastika dlia vsekh)

Isaeva, E.I. [For the very little] Dlia samykh malen'kikh. Moskva, Fizkul'tura i sport, 1964. 75 p. (Gimnastika dlia vsekh)

Let's improve the physical education of students. Nach shkola 32 no.7:7-8 Jl '64.

Nauchnaia konferentsiia, posviashchennaia problemam "Klimat. Uchenie. Sport." 2d, 1963. [Reports of the Scientific Conference Dedicated to the Problems "Climate, Training, Sports"] Doklady. Pod red. B E Bal'ko. Tashkent, Nauchno-issl in-t pedagog. nauk, 1963. 237 p. (Seriia: Uchenie)
[DNLM MICROFILM]

Preventing the wrong posture. V.N.Shvedova, I A. Estrina Nach.shkola 32 no 7:35-41 Jl '64.

Training in the breathing of primary school children during physical exercises. V.IA.Eremeev. Izv.APN no.129:224-227 '63.

Work of the children's sport schools with community participation. P.K.Guba. Teor.i prak fiz.kul't. 27 no.4:46-48 Ap '64.

PHYSICAL EDUCATION FOR WOMEN

Kostygova, T.M., and G.IU.Nikulina. [Beauty and health of the woman] Krasota i zdorov'e zhenshchiny. Moskva, Fizkul'tura i sport, 1964. 54 p. (Bibliotechka "Fizkul'tura i Zdorov'e")

PHYSICAL GEOGRAPHY
(see also subdivision under Mediterranean Sea region; Soviet Far East; Ural Mountains)

First regional results of interuniversity studies on the physicogeographical regionalization of the U S.S.R F.N Mil'kov Izv Vses geog.ob-va 96 no 3 221-225 My-Je '64.

PHYSICAL INSTRUMENTS

Apparatus for demonstrating the solubility of gases in liquids. H.F.Kyrychenko. Rad.shk. 42 no.4·79 Ap '64.

PHYSICAL MEASUREMENTS

Measurement in quantum physics. R.IU Volkovyskii. Vop.filos 18 no 7 82-89 '64.

PHYSICAL METALLURGY

Kucher, A.M., ed. [Technology of metals] Tekhnologiia metallov. [By] N.N.Kropivnitskii i dr. Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 502 p.

Maslov, E.N. [Principles of the science and technology of metals] Osnovy metallovedeniia. Izd.2. Moskva, Mosk. inzhenerno-fizicheskii in-t, 1960. 142 p.
[MICROFILM]

Moscow. Institut metallurgii. [Study of steels and alloys] Issledovaniia stalei i splavov. Moskva, Nauka, 1964. 390 p.

Vsesoiuznoe soveshchanie po splavam redkikh metallov. 1963. [Theory of rare-earth metals and their applications; materials] Voprosy teorii i primeneniia redkozemel'nykh metallov; [materialy]. Moskva, Nauka, 1964. 270 p.

PHYSICAL OPTICS see Optics, Physical

PHYSICAL THERAPY

Review of I.A. Abrikosov and N.P.Krylov's book "Practical physiotherapy" A.S Kagnov. Vop.kur., fizioter.i lech.fiz.kul't no.6:564-567 '63.

PHYSICAL THERAPY—CONGRESSES

Nauchnaia konferentsiia, posviashchennaia 25-letiiu Sochinskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii. [Theses of the reports of the Scientific Conference Dedicated to the 25th Anniversary of the Sochi Scientific Research Institute of Health Resort Therapy and Physiotherapy] Tezisy dokladov. Sochi, Sochinskii nauchno-issl. in-t kurortologii i fizioterapii, 1962. 138 p.
[DNLM MICROFILM]

PHYSICALLY HANDICAPPED—REHABILITATION see subdivision under Leningrad

PHYSICS

Dynamic systems in physics and biology. Norbert Wiener. Vest.AN SSSR 34 no.7·43-45 Jl '64

PHYSICS—ABSTRACTS

[Physics] Ref.zhur.: Fiz. nos.7-8 Jl-Ag '64.

PHYSICS—AUDIO-VISUAL AIDS

Experimental assignments on the design of apparatus, models and the simplest technical installations in the eight-year school physics course. Report No.1. Method of experimental assignments in the design of apparatus, models and the simplest technical installations. V.P. Valentinavichius. Izv.APN no.129:69-72 '63.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—PHILOSOPHY

Certain problems of knowledge in contemporary physics. IU B Rumer, M Sh Ryvkin Vop filos 18 no 7 59-68 '64

An interesting concept R.A Voronov and others Vop filos 18 no 7 170-172 '64

On one book by Max Born M.E Omelyanovskii. Vop. filos 18 no 6 171-176 '64

PHYSICS—PROBLEMS, EXERCISES, ETC.

Kazachenko, A.S. [Collection of questions and problems in physics] Sbornik voprosov i zadach po fizike. Moskva, Mosk.khimiko-tekhnologicheskii in-t im. D.I. Mendeleeva.
  Pt.3. [Electricity, magnetism, and electromagnetism] Elektrichestvo, magnetizm i elektromagnetizm. 1959. 79 p.
[MICROFILM]

PHYSICS—STUDY AND TEACHING

Class on the topic "Physics and machinery." A.A. Chentsov. Vech.sred.shkola 7 no.2·68-72 Mr-Ap '64.

Effect of classroom experiments on the students' comprehension of the cause and effect of physical phenomena A.S.Bobrova. Izv.APN no.129·53-58 '63

For a physics teacher. I.I.Liakhov. Vech.sred.shkola 7 no.2:86-89 Mr-Ap '64.

Introduction of present-day scientific concepts into a secondary school physics course I.I.Logvinov, D.Kh. Rubinshtein Izv.APN no.129:59-65 '63

Limiting process and its use in the secondary school physics course. V V.Multanovskii Izv.APN no.129· 66-68 '63

Most important prerequisite for a thorough knowledge. A.I.Riabov. Vech.sred.shkola 7 no.2.37-41 Mr-Ap '64.

Physics to the aid of agrochemistry. L.E.Ventskovskii. Vech.sred.shkola 7 no.2:72-78 Mr-Ap '64.

Reznikov, L.I. [International system of units in a physics course for secondary schools] Mezhdunarodnaia sistema edinits v kurse fiziki srednei shkoly. Izd.2., dop. Moskva, Prosveshchenie, 1964. 71 p.

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Physics, program, methodological instructions, and test problems for students of correspondence technical high schools (with the assigned scope of subject 210 hours)] Fizika; programma, metodicheskie ukazaniia i kontrol'nye zadaniia dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii (s ob"emom predmeta 210 chasov). 3. izd. Moskva, Vysshaia shkola, 1961. 125 p.

PHYSIOLOGICAL APPARATUS

Method of simultaneous recording of several indicators of salivary gland activity. N.I Vakoliuk. Fiziol. zhur. [Ukr.] 9 no.6:829-830 N-D '63.

PHYSIOLOGICAL OPTICS see Optics, Physiological

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGICAL PSYCHOLOGY see Psychology, Physiological

PHYSIOLOGISTS

Repin's portraits of I.M.Sechenov and other Russian physiologists. D.G.Doviner. Fiziol.zhur. 49 no.11: 1383-1385 N '63.

PHYSIOLOGY

The Leningrad I.M.Sechenov Society of Physiologists, Biochemists and Pharmacologists on the 100th anniversary of I.M.Sechenov's "Brain reflexes." A.S.Batuev. Fiziol.zhur. 49 no.11:1387-1389 N '63.

PHYSIOLOGY—BIBLIOGRAPHY see Bibliography—Physiology

PHYSIOLOGY—RESEARCH see subdivision under Germany, East

PHYSIOLOGY, PATHOLOGICAL

Clinical and pathophysiological aspects of intentional convulsions of Rulf. E.F.Davidenkova. Zhur.nevr.i psikh. 63 no.9·1308-1312 '63.

Physiopathology of hemiplegia following an epileptic seizure. V.A.Karlov. Zhur.nevr.i psikh. 63 no.9: 1347-1351 '63.

PHYTOGEOGRAPHY see subdivision under Siberia

PHYTOGEOGRAPHY—MAPS see subdivision under Great Britain

PHYTONCIDES

Phytoncide preparations derived from fir and their effect on a macro-organism. Sh.I.Pavolotskii. Mat.k izuch. zhen'.i drug.lek.rast.Dal'.Vost. no.5:287-297 '63.

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPLANKTON see subdivision under *Azov, Sea of; Baikal, Lake, Don River, Tsimlyansk Reservoir, Vazelip Reservoir*

PIANO TRIOS

[illegible] 27 no 1 [illegible] Ja [illegible]

PICTURE WRITING, AZERBAIJANI

[illegible] Azerbaijan. N I.Rzaev. Isk Azerb [illegible] 41-74 '64.

PIEZOELECTRIC SUBSTANCES

[illegible] electric semiconductors [illegible] ANSSSR 157 no [illegible]

PIEZOELECTRICITY

[illegible] elements [illegible] fiz [illegible] 4 101-104 '64

PIGEONS—PARASITES see *Parasites—Pigeons*

PIGMENTS

[illegible] effects of khellin, meladinin and the extract of Psoralea drupacea. N M.Kabilov [illegible] 25 no 6 733-735 N-D '62.

[illegible] of surface-active substances on the [illegible] pastes. A.A. [illegible], N.N.Shcherbakova. Zhur.fiz.khim. 38 [illegible] 712-514 [illegible] '64.

PIKAS see subdivision under **Lena Valley**

PIKE PERCH see subdivision under **Primorsko-Akhtarsk region (Krasnodar Territory), Uzyak region (Rostov Province)**

PIKE PERCH—PARASITES see **Parasites—Pike Perch**

PILING (*CIVIL ENGINEERING*)

Determining the effects of waves on individual supports (piles) and open structures. F M Gadzhiev Azerb neft khoz 43 no 5:39-41 My '64

[illegible] of [illegible] pile drivers A S Golovachev. Transp stroi 14 no 1 53-56 Ja '64

PILOT BALLOONS see **Balloons, Pilot**

PINACOL

Transformations of pinacols with substituted acetylenic *radicals. Part 21:* Synthesis and transformations of asymm dimethylphenylisopropenylacetylenyl ethylene glycol. A.A Antonova, E D.Venus-Danilova. Zhur ob khim 34 *no 7 2187-2189 Jl '64.*

PINCHERLE, ALBERTO, 1907-

[illegible] and fall of Riccardo Molteni M Zlobina Nov mir 40 no 4 [illegible] Ap '64

PINE

(see also subdivision under **Central Chernozem region; Don Valley, Transcaucasia; White Russia**)

Characteristics *of the* valuation of artificial young *pine* stands. N.T Smirnov. Izv.vys.ucheb.zav.; les.zhur. 6 *no.3,50-53* '63.

Content of ash elements in various parts of pine and spruce. O.V. Butuzova. Bot.zhur. 49 *no. 7:1060-1063* Jl '64.

[illegible] of the herbaceous soil cover and its effect on the growth of pine plantations. N M Nabatov Bot zhur 49 [illegible] 663 675 My '64

Effect of lupine on the flowering and fruit-bearing of the pine IU.N Azniev. Dokl. AN BSSR 7 no. 12 843-846 *D* '63.

Effect of perennial lupine on the fruiting of the Scotch pine. IU.N.Azniev Izv.vys.ucheb.zav.; les.zhur 6 no 3 30-33 '63.

PINE—DISEASES AND PESTS

(see also subdivision under **Lithuania**)

Chlorophyll content of the needles of damaged pine A.N. Pristahnikov. Izv. Sib otd AN SSSR no 12 115-119 '62

PINE LOOPER see subdivision under **Savala region (Voronezh Province)**

PINENE—TOXICOLOGY

Changes in the zooplankton and zoobenthos of *Lake Zhemchuzhnoye* treated with polychloropinene. T. M. Vladimirova. Izv.GosNIORKH 55:70-83 '63.

Cultivation of the whitefish Coregonus peled and carp in a lake after the fish population has been *destroyed* by polychloropinene. E.V. Burmakin. Izv.GosNIORKH 55:101-107 '63.

Dying and revival *of zooplankton* in small Karelian lakes treated with polychloropinene. L.I.Gordeeva-Pertseva. Izv.GosNIORKH 55:84-93 '63.

Materials on the rearing of young carp in a conditioned lake. V.V. Erik. Izv.GosNIORKH *55:112-114 '63.*

Parasites of carp and the whitefish Coregonus peled *from some* lakes previously cleared of fish by polychloropinene. IU.A.Strelkov. Izv.GosNIORKH 55:124-126 '63.

Polychloropinene concentrations lethal to some fresh-water *fishes.* E.V.Burmakin. Izv.GosNIORKH 55:26-29 '63.

Polychloropinene concentrations lethal to some fresh-water invertebrates serving as food for fish. I.I.Mantel'man. Izv.GosNIORKH 55 18-25 '63.

Possibility of using biological indicators for the determination of the residual toxicity of water in lakes treated with polychloropinene. I.I.Mantel'man, E.S.Slutskii. Izv.GosNIORKH 55:30-33 '63.

PINK SALMON

(see also subdivision under **Kandalaksha Bay, Karelia**)

Causes for different maturation rate of pink salmon parents in 1960-1962 V V Azbelev, B V Istoshin. Mat rybokhoz issl Sev bas no 1 32-34 '63

PIONEERS (COMMUNIST YOUTH)

(see also subdivision under **Ukraine**)

Dynamics of the development of the interests of Pioneers. N.R.Vdovina. Vest.LGU 19 no.11:80-85 '64.

A forest tale, a photo report Sov profsoiuzy 20 no. 16: 24-25 Ag '64

Good luck, "Chaika"! Z.Simatova Sov profsoiuzy 20 no 15 30 Ag '64.

Let's train Pioneers according to the examples from Lenin's life M.IE.Ohiienko. Rad.shk. 42 no.4: 9-15 Ap '64

PIONEERS (COMMUNIST YOUTH)—BIBLIOGRAPHY see **Bibliography—Pioneers (Communist youth)**

PIONEERS (COMMUNIST YOUTH)—PERIODICALS

"Pioneer," 1924-1964. Nar.obr. no.8:123 Ag '64.

PIPE

Investigating the operation of veneer pipes in oil fields M S.Arutiunov, Sh.A.Adamian. Neftepром.delo *no 7:20-23 '64.*

PIPE—CORROSION

Anticorrosive and decorative coating of pipes with plastics. G A.Malyshev, A.N.Ezerskii. Plast.*massy* no.2:71-72 '64.

PIPE, ALUMINUM

Consultation. K.I.Kaloshin. Gaz.prom. 9 no.4:26 '64

PIPE, CONCRETE

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Preparing reinforced concrete pressure *pipes by the vibration*-pressing method, practices of the Kuybyshev Pipe Plant No. 7 of the "Zhelezobeton" Trust] Izgotovlenie zhelezobetonnykh napornykh trub metodom vibropressovaniia; *opyt Kuibyshevskogo* trubnogo zavoda No. 7 tresta "Zhelezobeton." Moskva, Gosstroiizdat, 1963. 53 p. {MICROFILM}

PIPE, PLASTIC

Light-weight plastic pipes. Transp.i khran.nefti i nefteprod. no.7:37 '64.

PIPE, RUBBER

Testing rubber piping with highly compressed air. G T IAmkovoi Sbor.nauch.trud KGRI no.10:213-222 '61.

PIPE, STEEL

Accelerate the production of pipe with metallic and non-metallic coatings I.A Doroshev Metallurg 9 no 7 25 Jl '64

"Process steel piping with a conditional pressure up to 100 kgf/cm² inclusively. Design standards." Biul. stroi.tekh. 20 no.7:21 Jl '63.

"*Steel* pipelines. Materials and structural elements." Biul.stroi.tekh. 20 no.7:25 Jl '63.

PIPE, STEEL—CORROSION

Protective coating of steel pipes. V.S.Salukavadze, B.V.*Kondrat'ev, B. N. Plastinin* Stal' 23 no.4:340-342 Ap '64

PIPE, STEEL—WELDING

Effect of electrohydraulic *treatment on the* tendency toward intergranular corrosion of *OKh18N10T* steel pipe O.V Donskoi, E.IU Chemadurova, G N.IAkovleva Avtom.svar. 17 no.7:79-82 Jl '64.

Manufacture of welded drill pipes. V.I.Fedorov. Metallurg 9 no 7:24 Jl '64.

PIPE FITTINGS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Parts for pipelines *made of alloy steel for* $P_{nominal}$ to 100 kgf/cm², curved branch pipes, forged and stamped parts] Detali truboprovodov iz legirovannoi stali na P_u do 100 kgs/cm², otvody gnutye, detali kovanye i shtampovannye (MN 4751-63—MN 4762-63). Moskva, Izd-vo *standartov*, 1964. 95 p. (SSSR. Normali mashinostroeniia)

PIPE MILLS

Correlation of deformations and roll grooving during the roller expansion of tubes. B.S.Shaikevich, F.S. Seidaliev, IU.F.Shevakin. Izv.vys.ucheb.zav.; chern. met. 7 no.7:139-146 '64.

Deformation process during the rolling of pipe on an automatic mill I. N.Oklei, A.I [illegible], Dzh. M. Lomsadze Trudy GPI [Gruz.] no 4:101-107 '62

Force parameters in the roller expansion of tubes. IU.F.Shevakin, V.S.Shaikevich, F.S.Seidaliev. Izv. vys.ucheb.zav.; chern.met. 7 no.7:112-119 '64.

Manufacture of welded drill pipes. V.I.Fedorov Metallurg 9 no 7 24 Jl '64

Process of diagonal rolling without mandrels I. N. Oklei, Dzh.M Lomsadze Trudy GPI [Gruz.] [illegible] 99 '62

Production of seamless bimetal pipe. V.S [illegible] Metallurg 9 no 5 29-31 My '64

PIPE MILLS—DESIGN AND CONSTRUCTION

Trends in designing pipe mills. A.I. Tselikov, V. V. Nosal'. Met.i gornorud.prom. *no.3:18-22* [illegible] '64.

PIPELINE TRANSPORTATION OF SOLIDS

Experimental installation for hydraulic transportation of solids. A. M Motinov. Trudy Gidrav. lab. VODGEO [illegible] no.10:226-236 '63.

PIPELINES

Calculation of the displacement of intermediate [illegible] in a pipeline during the change of the external load V [illegible] Demb Energomashinostroenie 10 no.5:43-44 My '64

Efficiency of pipelines. A.IA.Ipatenko. Izv.vys.ucheb. zav.; energ. 7 no 7:111-112 Jl '64.

Hydraulic excavators for trenchless pipe laying and tunneling. N.V.Vasil'ev, M.M.Markovich. Mekh. stroi. 20 no.7:24-27 Jl '63.

Mechanization of trenchless laying of pipes. [illegible] rov. Mekh.stroi. 20 no.7:4-8 Jl '63.

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pipeline parts lined with polyethylene and vinyl plastic resistant to $P_{nominal}$ of 10 and 16 kgf/cm²] Detali truboprovodov, futerovannykh polietilenom i viniplastom na P_u = 10 i 16 kgs/cm² (MN 5030-63—MN 5053-63). Moskva, Izd-vo standartov, 1964. 65 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U.S.S.R.) *Komitet standartov,* mer i izmeritel'nykh priborov. [Pipeline parts made from welded alloyed steel resistant to *P nominal* up to 100 kgf/cm²] Detali truboprovodov iz legirovannoi stali svarnye na P_u do 100 kgs/cm² (MN 4730-63—MN 4760-63). Moskva, Izd-vo standartov, 1963. 140 p. (SSSR. Normali mashinostroeniia)

"Steel pipelines. Materials and structural elements *Biul.*stroi.tekh. 20 no.7:25 Jl '63.

Use of the method of mirror images in the cathodic protection of pipelines from corrosion. T. V. [illegible] Dop. AN URSR no.8:995-1000 '64.

Variation method for the thermal calculation of [illegible] using electronic digital computers. N. U. Kulda. [illegible] vys.ucheb zav.; energ 7 no.[illegible] '64

Vasil'ev, N.V. [Sealed pipe laying for pipelines] Zakrytaia prokladka truboprovodov. Moskva, Nedra, 1964. 213 p.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref.zhur.: Trub.transp. [illegible] 8 Ag '64.

PIPELINES—CATHODIC PROTECTION

Automated cathodic protection station. I.K.Parra, N.V.Polina. Gaz.prom. 7 no.3:48-49 '62.

Electrochemical protection of *gas* pipelines from corrosion caused by stray currents IU.M.Mikhailovskii *and others.* Gaz prom. 7 no 9:37-42 '62

Mobile electric-measurement laboratory on the UAZ 450 motor vehicle for the investigation of stray currents. G.I.Reshetnikov. Gaz.delo no.7:28-31 '64.

Modeling the system of the "track-network-ground-network of underground structures." V.N.Tkachenko. Gaz.delo no.6:24-28 '64.

Standard designs for the electric protection of underground pipelines *from* corrosion *formulated by the State Institute for* the Design of Pipelines in 1963. I. M. Kozlov. Gaz.delo no.7:43-46 '64.

Technical and economic calculation of anode grounding. *A. V. Kotel'nikov.* Gaz.delo no.7:31-36 '64.

PIPELINES—*COMMUNICATION SYSTEMS*

Bespalov, N.V., and others. [Communications in pipe-line *transportation*] *Sviaz'* na truboprovodnom transporte. Moskva, Izd-vo "Nedra," 1964. 106 p.

PIPELINES—CORROSION

Bibliography. Gaz.prom. 7 no.6:57 '62.

Using a flame screen in a furnace for heating pipes. V.IA.Smorodinov, V.V.Popov. Gaz.prom. 8 no 8: 24-26 '63.

PIPELINES—DESIGN AND CONSTRUCTION

"Pipelines. Design standards." Biul.stroi.tekh. 20 no.7:18-19 Jl '63.

PIPELINES—FLUID DYNAMICS

Investigating the heat and hydraulic regimes of heat-[illegible] Transp. [illegible] equa-[illegible] neft' i gas [illegible]

PIPERAZINE

Results of the treatment of ascariasis with a single administration of piperazine adipinate in the Ukrainian S.S.R. M.K.Gil'tsal. Med.paraz.i paraz.bol. 32 no.4:[illegible] Jl-Ag '63.

[illegible] treatment of swine with piperazine and [illegible] combined with phenothiazine. [illegible] 11 no 4 [illegible] Ap '64

PIPERIDINE

[illegible]-like activity of a series of methyl esters of [illegible] ethylamino- and ω-piperidyl alkanecarboxylic acids. V.I.Il'inskii, K.M.Khalimova. Farm.i toks. 21 no.5:604-606 S-O '63.

[illegible] study of N-oxide of N-methylpiperidine. [illegible] of N-oxides. S.G.Mairanovskii, N.V. [illegible], L.D.Alashev. Zhur.fiz.khim. 38 no.3: [illegible] Mr [illegible]

PIPERONYLIC ACID

[illegible] of piperonylic acid. K.A.Bogdanov [illegible] no.7:[illegible] Jl '64.

PISTACHIO see subdivision under Turkmenistan

PISTOL SHOOTING

A training model of a pistol. I.Ermakov. Voen.znan. [illegible] no.7:40 Jl '64.

PISTON RINGS

[illegible] V.G. [illegible]enko's monograph "Investigation of piston rings of motor vehicle engines." [illegible] Vest.mashinost. 44 no.6:89-91 Je '64

[illegible], P.L., P.N. IAkushin, and E.N. Kharchenko. [Materials and coatings for the piston rings of motor-vehicle and tractor engines] Materialy i pokrytiia [illegible] kolets avtotraktornykh dvigatelei. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 120 p.

PISTONS

[illegible] in a piston in a uniformly deforming medium. [illegible] Inzh.zhur. 4 no.2:[illegible]-320 '64.

PITUITARY BODY

[illegible] cycle of the intermediate lobe of the pituitary [illegible] frog. [illegible] Dokl. AN SSSR 158 [illegible] '64.

PITUITARY BODY—DISEASES

[illegible] and treatment of diseases of the para[illegible] region. [illegible] Vop.[illegible] [illegible] '64.

PLACENTA

[illegible] factors on permeability of the [illegible] staphylococci. V.I.Bodiazhina, V.G. [illegible] Akush.i gin. 40 no.1:8-11 Ja-F '64.

[illegible] in the human placenta; human [illegible] Akush.i gin. 40 no.[illegible]

[illegible] the placenta and blood serum in women with [illegible] toxicoses. P.I. Rybalko. Akush.i gin. [illegible] '63.

[illegible] findings in a study of the placenta in a case of [illegible] fetal death. K.S.Chirkovskaia. Akush.i gin. 39 no.5:42-44 S-O '63

PLACENTA—BLOOD SUPPLY

[illegible] vessels of the placental portion of the uterus. [illegible] Akush.i gin. 40 no.1:81-86 Ja-F '64

PLACENTAL EXTRACTS

[illegible] properties of the blood serum and placental extracts in late pregnancy toxemias; experimental report. [illegible] Akush.i gin. 40 no.1:84-[illegible] Ja-F '64

PLAGIOCLASE

[illegible] of the absolute age of plagioclases by the [illegible] refringence comparative dispersion. Z.G. [illegible] Izv. AN Arm SSR 17 no 4:[illegible] '64

PLAGUE

[illegible] a varying content of protein and vitamins in the [illegible] susceptibility of white rats to plague infection. [illegible], I.F. Tereshchenko, V.I.Rykova. Vop. [illegible] no 3 [illegible] My-Je '64.

PLANETS

[illegible] and the albedos of Venus and Jupiter on the [illegible] in the ultraviolet spectral region. I.N. [illegible] Astron.zhur. 41 no.4:720-723 Jl-Ag '64.

PLANETS—OBSERVATIONS

[illegible] right ascensions of the sun, Mercury [illegible] meridian circle at the Moscow [illegible] A.P.Gullaev, O.A.Kostina, N.N.Kabaeva. [illegible]:21-23 '64.

PLANETS, MINOR

Akademiia nauk SSSR. Institut teoreticheskoi astronomii. [Ephemerides of minor planets for 1965] Efemeridy malykh planet na 1965 god, 19. god. izd. Moskva, [illegible], 1964. 150 p.

PLANT BREEDING

Scientific conference on serodiagnosis in phytopathology and plant growing. Izv.TSKHA no.6:220-222 '63.

PLANT BREEDING—RESEARCH

Disturbance of tissue differentiation in hybrid systems; in the embryos and endosperm of wheat and rye. E.V. Ivanovskaia. Dokl. AN SSSR 157 no.1:219-222 Jl '64

PLANT CELLS AND TISSUES

Bazavluk, V. IU. [Inherited heterogeneity of tissues in plants] Nasledstvennaia neodnorodnost' tkanei u rastenii. Moskva, Izd-vo "Kolos," 1964. 44 p.
DNAL

PLANT COMMUNITIES

(see also subdivision under Khibiny Mountains)

Synusial structure of phytocenoses. G.I. Dokhman. Biul MOIP, Otd biol. 68 no 3:110-118 My-Je '63.

PLANT CUTTINGS

Implantation of the surface shoots and leaves of ginseng. M.K.Grushvitskaia, I.V.Grushvitskii, Z.I.Gutnikova. Mat.k izuch.zhen'.i drug.lek rast.Dal'.Vost. no.5: 39-43 '63.

PLANT DISEASES

Scientific conference on serodiagnosis in phytopathology and plant growing. Izv.TSKHA no.6:220-222 '63.

PLANT INTRODUCTION see subdivision under Khibiny Mountains; Moscow; Zakataly region (Azerbaijan)

PLANT LICE see subdivision under Komodo Island

PLANT PHYSIOLOGY

Biochemistry of plants and the national economy. A.V. Blagoveshchenskii. Biul MOIP, Otd biol. 68 no 3:5-9 My-Je '63.

From K. A. Timiriazev's address delivered at the commencement exercises of the Petrovskaia Agricultural and Forestry Academy, November 21, 1870. Izv. TSKHA no.6:25-28 '63.

On P. A. Genkel''s book "Plant physiology and the principles of microbiology." P. S. Belikov. Nauch.dokl.vys. shkoly; biol.nauki no.4:[illegible]-210 '64.

PLANTS—CHEMICAL ANALYSIS

Application of bromophenol blue for quantitative histochemical determination of proteins. Report No. 2: Cause of varied staining affinity in corn root tip cells of various ages. V.B.Ivanov. TSitologiia 5 no.4:470-473 Jl-Ag '63.

Chemical investigation of Marrubium praecox Janka of the mint family (Labiatae). T. V. Zinchenko, I.M.Fefer. Farmatsev.zhur. 16 no.1:47-51 '61.

Dynamics of the reserve substances of ginseng during the vegetative period. I.S. Andreeva. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5:45-52 '63.

Electrochemical method of isolating the glycoalkaloid tomatine from plants. T. P. Dorosh, D. A. Iukalo. Farmatsev.zhur. 16 no.1:44-47 '61

Problems in determining the nutrient requirements of plants. K.P. Magnitskii. Agrokhimiia no.1:129-140 Ja '64

Results in determining the sum of metals by copper (Cu, Ni, Co) depending on the method of their extraction from plant ashes. M.D.Skarlygina, G.A.Berezkina. Vest.LGU 19 no.12:157-161 '64.

PLANTS—COLLECTION AND PRESERVATION

Moskovskaia veterinarnaia Akademiia. Veterinarnyi zaochnyi fakul'tet. Kafedra botaniki. [Methodology of collecting and preserving plants] Metodika gerbarizatsii rastenii. Sost.N N. Bogdanov. Moskva, 1957. 14 p.
[DNAL MICROFILM]

PLANTS—EVOLUTION

Main paths in the evolution of Oxytropis species belonging to the section Baicalia Bge. B A IUrtsev. Bot zhur. 49 no 5:634-648 My '64

PLANTS—FROST RESISTANCE

Carbohydrate content and cold resistance in the cells of higher plants. I.G.Zavadskaia, N.L.Fel'dman, I.E. Kamentseva. Dokl.AN SSSR 157 no.4:905-907 Ag '64.

Refrigerator in a field. R.Shakhov Izobr.i rats. no.6: 35 '64.

Resistance to Swedish fly of corn samples differing in their cold tolerance. A.F.Koval'. Agrobiologiia no.1: 147-149 Ja-F '64.

Winter hardiness of apple trees grown from the tissues of crown and root. E.S.Chernenko. Nauch.dokl.vys. shkoly; biol.nauki no.3:190-198 '64.

PLANTS—METABOLISM

Changed metabolism in pea sprouts in connection with the salinization of the substratum. L.S.Prikhod'ko, L.K.Klyshev. Trudy Inst.bot.AN Kazakh.SSR 16:81-98 '63.

Dynamics of carbohydrates and nitrogenous substances in various organs of wheat during a drought. F.A. Polimbetova, S.P.Sudeiko. Trudy Inst.bot.AN Kazakh. SSR 16:38-50 '63.

PLANTS—NUTRITION

Biologically active substances of organic fertilizers and their importance in plant nutrition. A.V Manorik, V.F.Vasil'chenko. Agrobiologiia no.1:16-28 Ja-F '64.

Diagnosis of plant nutrition using the V.V.TSerling method in field conditions. E M Krasnova, L A Pavlova Trudy Kostr sel'khoz.inst "Kar " no 3:131-136 '63

Nutrition of plants as related to the use of fertilizers. S.A.Kudrin Zemledelie 26 no 6:34-38 Je '64.

PLANTS—OPTICAL PROPERTIES

Daily variation of the optical properties of gladiolus. V.S Sokolova. Trudy Inst bot.AN Kazakh.SSR 16:194-202 '63.

Influence of air temperature on the shape of indicatrices of the dahlia leaves and petals. V.S.Sokolova. Trudy Inst.bot.AN Kazakh SSR 16:203-215 '63.

PLANTS—REPRODUCTION

Seed reproduction of vetchling (Lathyrus pratensis L.) and tufted vetch (Vicia cracca L.). V.N. Egorova. Bot.zhur. 49 no.7:1051-1056 Jl '64.

Vegetative reproduction of the squill Scilla sibirica Andrews. T.K.Goryshina. Nauch.dokl.vys.shkoly; biol.nauki no.3:103-106 '64.

PLANTS—RESPIRATION

Effect of oxygen concentration on the rate of photosynthesis and respiration in aquatic plants V M.Kutiurin, M V.Ulubekova, N.M Nazarov. Dokl AN SSSR 157 no.1:223-226 Jl '64

Role of protein synthesis in the alternation of respiratory systems in discs prepared from potato tubers. IU.G. Molotkovskii, V.F.Kasharo. Dokl.AN SSSR 158 no.1: 239-241 S-O '64.

Water and air economy of some water plants. N.I.Antipov Bot.zhur 49 no 5:702-707 My '64

PLANTS—SOILLESS CULTURE

Inventions bearing fruits I Molchanov. Izobr.i rats. no.5:4-5 '64

PLANTS—TRANSPIRATION

(see also subdivision under Kengir Reservoir)

Water content of annual shoots of woody plants during fall, winter and spring. M.D.Nestsiarovich, R.R Sirotkina. Vestsi AN BSSR.Ser.biial.nav. no.4:5-11 '63.

PLANTS—WATER REQUIREMENTS

Changes in the water economy of potatoes under the influence of chlorides. M.M.Hancharyk, S.H.Halaktsionau. Vestsi AN BSSR.Ser.biial.nav. no.4:60-62 '62.

PLANTS, CULTIVATED

[Plant culture] Ref.zhur.: Rast. nos.14-16 Jl-Ag '64.

Range of ginseng cultivation. Z.I.Gutnikova. Mat.k izuch.zhen'.i drug.lek.rast.Dal'.Vost. no.5:53-62 '63.

PLANTS, EFFECT OF AMMONIA ON

Ammonia assimilation by the mycotrophic plant Monotropa hypopitys L. Z.G.Evstigneeva, K.B. Aseeva, V.L.Kretovich. Dokl.AN SSSR 156 no.6: 1461-1463 Je '64.

PLANTS, EFFECT OF ARIDITY ON

Concentration of cell sap and drought resistance of plants. B.I.Shcherbakov, N.P.Usova. Trudy Inst bot.AN Kazakh.SSR 16:97-117 '63.

Dynamics of carbohydrates and nitrogenous substances in various organs of wheat during a drought. F.A. Polimbetova, S.P.Sudeiko. Trudy Inst.bot.AN Kazakh. SSR 16:38-50 '63.

PLANTS, EFFECT OF BORON ON

Effect of boron on the content of free amino acids and on the incorporation of C^{14}-tyrosine in the proteins of the sunflower. E A Sherstnev, G.V Kurilenok Bot zhur. 49 no 5:690-702 My '64

PLANTS, EFFECT OF CHLORINE ON

Changes in the water economy of potatoes under the influence of chlorides. M.M.Hancharyk, S.H.Halaktsionau. Vestsi AN BSSR.Ser.biial.nav. no.4:60-62 '62.

PLANTS, EFFECT OF COLD ON

Effect of cold on the seed tubers of potatoes. L.F. Gromov. Uch.zap.CHNIIHALIE no.22:63-74 '63.

PLANTS, EFFECT OF COPPER ON

Effect of various amounts of copper on the dynamics of carbohydrates in barley. V.M.TSiarents'eu, M.D. Minchankava. Vestsi AN BSSR.Ser.biial.nav. no.4: 26-32 '62.

Endemic lodging of cereal plants. V.V.Koval'skii, M.K. Maslianaia. Agrokhimiia no.1:93-100 Ja '64.

PLANTS, EFFECT OF GAMMA RAYS ON

Biological effect of ionizing radiation on the variability of spring wheat during its conversion into winter wheat. V.K. Karapetian, A.E. Giulanian. Izv. AN Arm. SSR. Biol.nauki 16 no.12:33-43 D '62.

PLANTS, EFFECT OF LIGHT ON

Anatomic characteristics of leaves as an indicator of the photophily of plants. H. E. Marhailik. Vestsi AN BSSR Ser. biial nav no 4:18-27 '63

Effect of different illumination conditions on the anatomicomorphological structure of radish leaves. L. A Khodorenko, I. A. Shul'gin. Nauch dokl. vys. shkoly; biol. nauki no. 3:149-153 '64.

Effect of intermittent illumination on the interconversion of xanthophylls in green etiolated shoots. Z. M. Eidel'man, A. S. Khodzhaev. Dokl. AN SSSR 158 no 1 242-244 S-O '64.

Effect of light of different intensity on the growth, development, productivity and photosynthetic activity of ginseng. P. P. Vorob'eva. Mat. k izuch. zhen'. i drug lek. rast. Dal'. Vost. no. 5:75-87 '63.

Interrelations of photosynthetic and dark fixation of CO_2 in the carbon nutrition of plants. A. T. Mokronosov. Bot. zhur. 49 no 7:935-946 Jl '64.

Plastid apparatus of sugar beet leaves in artificial light. A. F. Kliashnin, L. A. Khadarenka. Vestsi AN BSSR. Ser. biial. nav. no. 4:57-59 '62.

Sensitivity of some rice types to the length of day. Bui Gui Dap. Agrobiologiia no. 1:101-109 Ja-F '64

PLANTS, EFFECT OF LITHIUM ON

Content of various forms of nitrogen and water-soluble carbohydrates in tobacco leaves topdressed with lithium. L. A. Ezdakova, N. K. Osmolovskaia. Nauch. dokl. vys. shkoly; biol. nauki no. 3:135-137 '64.

PLANTS, EFFECT OF MANGANESE ON

Effect of manganese used with peat on the yield and quality of some crops M. I Kasatkin, T N Kiseleva Trudy Kostr sel'khoz inst. "Kar " no 3 107-112 '63

PLANTS, EFFECT OF MINE DUSTS ON

Effect of the toxic products of manganese-pyrite mines on plants. F. Peshek. Izv. vys. ucheb zav.; les. zhur 6 no. 3;162 '63.

PLANTS, EFFECT OF MINERALS ON

Effect of mineral fertilizers on the feeding of carnation and its ornamental properties. V. I. Zdasiuk. Nauch. dokl. vys. shkoly; biol. nauki no. 3:138-142 '64.

PLANTS, EFFECT OF MOLYBDENUM ON

Effect of molybdenum and vanadium on the yield and chemical composition of peas. A V Peterburgskii Agrokhimiia no 1 81-92 Ja '64

Effect of the various amounts of lime on the available molybdenum content of soil and the effectiveness of molybdenum fertilizers. G. A. Selevtsova. Khim. v sel'. khoz. 2 no. 4:13-16 Ap '64.

Molybdenum as a trace element fertilizer and its toxicity in livestock feeds I. A Burkin. Agrokhimiia no 1:123-126 Ja '64

PLANTS, EFFECT OF NITROGEN ON

Effect of nitrogen mineral forms on the free amino acid content of amides in the bleeding sap of corn. I. V. Mosolov. Khim. v sel'. khoz. 2 no. 4:2-9 Ap '64.

PLANTS, EFFECT OF OXYGEN ON

Effect of oxygen concentration on the rate of photosynthesis and respiration in aquatic plants V. M Kuturin, M V Ulubekova, N M Nazarov Dokl AN SSSR 157 no 1:223-226 Jl '64.

PLANTS, EFFECT OF POTASSIUM ON

Role of potassium in obtaining high yields of forage cabbage on peat-boggy soils of Meshchera. G. F. Lebedeva. Nauch. dokl. vys. shkoly; biol. nauki no. 3:143-148 '64.

PLANTS, EFFECT OF RADIATION ON

Characteristics of radiation-induced mutations in spring wheat as related to the type of radiation applied. P. K. Shkvarnikov, I. V. Chernyi. Izv. Sib. otd. AN SSSR no. 10 100-110 '62.

Influence of ionized radiations on corn. V. N. Lysikov. Agrobiologiia no. 1:143-145 Ja-F '64.

PLANTS, EFFECT OF RADIOISOTOPES ON

Effect of a methodical use of fertilizers on the accumulation of radioisotopes in crops. I. V. Guliakin, E. V. IUdintseva. Izv. TSKHA no. 6.138-150 '63.

PLANTS, EFFECT OF RADIUM ON

Radium behavior in plants. P. P. Vavilov, O. N. Popova, R. P. Kodaneva. Dokl. AN SSSR 157 no. 4:992-994 Ag '64.

PLANTS, EFFECT OF SALTS ON

Changed metabolism in pea sprouts in connection with the salinization of the substratum. L. S. Prikhod'ko, L. K Klyshev. Trudy Inst. bot. AN Kazakh. SSR 16:81-96 '63.

PLANTS, EFFECT OF SUCCINIC ACID ON

Effect of presowing treatment of cornseeds with succinic acid on the organic acid metabolism. A. A. Zemlianukhin, R. V. Simonova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:127-134 '64.

PLANTS, EFFECT OF SULFUR DIOXIDE ON

Effect of the toxic products of manganese-pyrite mines on plants. F. Peshek. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:162 '63.

PLANTS, EFFECT OF TEMPERATURE ON
(see also subdivision under Kazakhstan)

Effect of low temperatures upon the mitosis and chromosomes of plants. V. G. Grif. TSitologiia 5 no. 4.404-413 Jl-Ag '63.

Growth and development of wild rice as related to temperature E M Krasnova Trudy Kostr sel'khoz inst "Kar " no. 3:137-142 '63.

Winter condition of chloroplasts in the bark of trees and shrubs. E. I. Barskaia Bot. zhur. 49 no 7.947-956 Jl '64.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Activity of cytochrome oxidase in plants and the effect of microelements on it D. A Aliev Dokl AN Azerb SSR 19 no. 9.81-83 '63.

Effect of a complex organic and mineral trace element fertilizer on the yield of green tea leaves. G. Kh. Takhmazov. Dokl. AN Azerb. SSR 20 no. 5.63-67 '64.

Effect of microelements on the growth, development and yield of gladioli N. S. Vasil'eva Vestsi AN BSSR. Ser. biial nav no. 4.48-53 '63

Effect of trace elements on the growth of the fungus Fomitopsis annosa (Fr.) Bond. et Sing. in culture. A. Vasiliauskas. Bot. zhur. 49 no. 7:1045-1047 Jl '64.

Effect of trace elements on the ornamental quality of asters. N. S. Vasil'eva. Vestsi AN BSSR. Ser. biial. nav. no. 4:73-78 '62.

Effect of trace elements on the seed vigor and seedling development of some tree and shrub species. E N Protopopova. Izv Sib otd. AN SSSR no 7 89-93 '62

Effect of trace elements on the yield and quality of common onion V D Oleshko Trudy Kostr sel'khoz. inst "Kar " no 3:127-130 '63.

PLANTS, EFFECT OF ULTRAVIOLET RAYS ON see subdivision under Pamirs

PLANTS, EFFECT OF VANADIUM ON

Effect of molybdenum and vanadium on the yield and chemical composition of peas A V. Peterburgskii Agrokhimiia no 1 81-92 Ja '64.

PLANTS, FLOWERING OF

Biology of the flowering of corn in the desert zone of the southern Balkhash region. K. V Volkovich. Trudy Inst. bot AN Kazakh. SSR 16:236-248 '63.

PLANTS, SPACE ARRANGEMENT OF

Effect of the density of planting and the depth of embedding the tubers on the yield of early "Epron" potato I. K Bodrov. Trudy Kostr sel'khoz inst "Kar." no. 3 33-42 '63

PLASMA (IONIZED GASES)

Confinement of a dense plasma carrying a current in a magnetic field. L. L. Pasechnik, O. V. Kozak, V. V. IAgola. Zhur. tekh. fiz. 34 no. 5:873-878 My '64.

Cyclotron resonance in an inhomogeneous plasma cylinder. M. P. Vasil'ev and others. Zhur. tekh. fiz. 34 no. 7:1231-1236 Jl '64.

Distribution of the partial pressure of negative ions in a low-pressure positive discharge column. A. M Rezikian, G. A. Galechian, V. V. Galechian Izv AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 6:117-124 '63

Electrode type conical source of plasma clots with pulsewise admission of gas. IU. S. Azovskii, I. T. Guzhovskii, B. G. Safronov. Zhur. tekh. fiz 34 no. 5: 841-846 My '64

Electron energy distribution function in a positive discharge column. IU. M. Kagan, R. I. Liagushchenko. Zhur. tekh. fiz. 34 no. 5:821-827 My '64.

Electron velocity distribution in a positive column in a gaseous mixture. N. A. Vorob'eva, IU. M Kagan, V. M. Milenin. Zhur. tekh. fiz 34 no. 5:828-832 My '64.

Expansion of a neutral plasma in an external magnetic field. V. I. Kval'vasser, IA. F. Rutner. Zhur. tekh. fiz. 34 no. 7:1170-1174 Jl '64.

Heat transfer in a completely ionized nonisothermal plasma moving in a channel with a magnetic field. V. V. Gogosov. PMTF no. 2:50-59 Mr-Ap '64.

Induction of electromagnetic waves in a plasma by external currents. V. F. Aleksin, K. N. Stepanov. Zhur. tekh. fiz. 34 no. 7:1210-1223 Jl '64.

Interaction between plasma clots and a transverse magnetic field. I. I. Demidenko and others. Zhur. tekh. fiz. 34 no. 7:1183-1190 Jl '64.

Low-temperature plasma generators. S. A. Khristianovich, M. F. Zhukov. Vest. AN SSSR 34 no. 6 21-25 Je '64.

Particle and heat fluxes in a plasma along a high magnetic field. IU. M. Aliev, A. R. Shister. PMTF no. 2:60-65 Mr-Ap '64.

Photographic examination of pulsations in plasmatrons with air stabilization. A. M. Trokhan. PMTF no. 2; 160-163 Mr-Ap '64.

Production of fast plasma clots using a coaxial source. A. G. Beltkov and others. Zhur. tekh. fiz. 34 no. 5; 847-852 My '64.

Properties of an argon-cesium plasma in an electric field. V. A. Abramov, IU. A. Tarasov Teplofiz. vys. temp. 2 no 3:313-320 My-Je '64.

Resonance probing of a plasma in a magnetic field. V. G. Davidovskii, L. V. Dubovoi, A. G. Ponomarenko. Zhur. tekh. fiz. 34 no. 7:1242-1251 Jl '64.

Self-consistent heating of a plasma by the emission from a laser. O. N. Krokhin. Zhur. tekh. fiz. 34 no. 7: 1324-1327 Jl '64.

Setup for studying an alkaline plasma. N S. Buchel'nikova. Teplofiz vys temp 2 no 3 309-312 My-Je '64

Solution of some problems involving the one-dimensional unsteady motion of a conducting gas under the action of strong electromagnetic fields. G. M. Bam-Zelikovich. Prikl. mat. i mekh. 28 no. 4:664-669 Jl-Ag '64.

Some properties of a slightly ionized thermal cesium plasma. N. D. Morgulis, IU P. Korchevoi. Zhur tekh. fiz. 34 no. 5,940-948 My '64.

Spectrum of surface waves at the interface between a vacuum and a magnetoactive plasma. T L. Vlnnikova, M. A Gintsburg. Zhur tekh fiz. 34 no. 5:918-920 My '64.

Stability of a current in a transverse magnetic field. A F. Nastoiashchii Teplofiz vys temp. 2 no 3 321-328 My-Je '64

Stability of a pulsating plasma filament. IU V. Vandakurov. Zhur. tekh. fiz. 34 no. 5:788-800 My '64.

Structure of plasma clots from a coaxial injector. G. N. Aretov and others. Zhur. tekh. fiz. 34 no. 7:1191-1198 Jl '64.

Study of gas-discharge and cosmic plasmas by means of multielectrode probes. N I. Ionov. Zhur. tekh. fiz. 34 no. 5:769-787 My '64.

Studying a plasma jet produced by an impulsive discharge. V. K Semenov, L A. Spektorov. Zhur. tekh. fiz. 34 no. 5:853-856 My '64.

Theory of a diode filled with a rarefied plasma. F G. Baksht. Zhur. tekh. fiz. 34 no. 5:926-939 My '64.

Unsteady plane-parallel flow of a partially ionized gas in a high magnetic field. E. G. Sakhnovskii. Prikl. mat. i mekh. 28 no. 4:670-677 Jl-Ag '64.

PLASMA (IONIZED GASES)—ELECTRIC PROPERTIES

Conductivity of a turbulent plasma in the approximation of magnetohydrodynamics V. M Eleonskii, IU IA Pollak Atom energ 17 no. 2 141-142 Ag '64.

Ohmic heating and the electroconductivity of a plasma in strong electric fields. V A Suprunenko, E A Sukhomlin, N I Reva Atom energ. 17 no 2:83-88 Ag '64

PLASMA (IONIZED GASES)—SPECTRA

Energy emission in the spectral lines of an equilibrium plasma. Part 2. V. S. Vorob'ev, G. E. Norman. Opt. i spektr. 17 no. 2,180-188 Ag '64.

Role of the negative nitrogen ion N^- in the formation of the continuous spectrum of nitrogen and air plasmas. G. E. Norman Opt. i spektr. 17 no. 2:176-170 Ag '64.

Study of the behavior of a plasma in a magnetic trap with axial current (system H). I. M. Podgornyi, V. N. Sumarokov. Zhur. tekh. fiz. 34 no. 5:833-840 My '64.

PLASMA OSCILLATIONS

Cyclotron oscillations of an inhomogeneous plasma. L. S. Bogdankevich, A. A. Rukhadze. Zhur. tekh. fiz. 34 no. 7:1175-1182 Jl '64.

Frequency shift and damping of interacting Langmuir oscillations. G. I. Suramlishvili Dokl AN SSSR 157 no. 1 83-86 Jl '64.

PLASTER CASTS—DRYING

Intensified drying of plaster casts. S. S. Pechura. Inform. biul. VDNKH no. 2:5-6 F '64.

PLASTIC FILMS

Growing vegetables with the use of translucent films. T. E. Pashchenko. Biul. nauch.-tekh. inform. po agron. fiz. no. 5/6:12-17 '59.

Microclimatic conditions under light-weight covers from translucent films. O. D. Rozhanskaia. Biul. nauch.-tekh inform. po agron. fiz. no. 5/6:5-11 '59.

Some physical and service characteristics of films. V. A. Kollaseva. Biul. nauch.-tekh. inform. po agron. fiz. no. 5/6:18-21 '59.

PLASTIC FOAMS—TESTING

Mechanical properties of plastic foams determining their efficiency as reinforcing fillers Report No. 2: Efficiency of plastic foams in structures under cyclic loads. B. I. Panshin and others. Plast. massy no. 1: 39-43 '64.

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Anisotropic case hardening of a plastic layer compressed by rough plates. G. I. Bykovtsev. Dokl. AN SSSR 157 no 1:66-68 Jl '64.

Cyclic loading of an elastoplastic medium. R. A. Arutiunian. Izv. AN SSSR. Mekh. i mashinostr. no. 4:89-91 Jl-Ag '64.

An elastoplastic problem for an orthotropic semi-space. V. O. Geogdzhaev. Inzh. zhur. 4 no. 2:281-289 '64.

Extremum ways of plastic deformation. V. V. Dudukalenko Dokl AN SSSR 157 no 1.69-72 Jl '64.

Functions of loading of an anisotropically hardening plastic material. G. I. Bykovtsev, V. V. Dudukalenko, D. D. Ivlev. Prikl. mat. i mekh. 28 no. 4:794-797 Jl-Ag '64.

ICITY (Continued)

w. Institut metallurgii. [Plastic deformation of
ls] Plasticheskaia deformatsiia metallov. Moskva,
a, 1964. 180 p.

l solution of equations in the theory of ideal plastic-
ı cylindrical coordinates M.A. Zadoian Dokl. AN
157 no 1 73-75 Jl '64.

city of copper-zinc alloys. IU.F. Kliuchnikov, A.A.
makov Trudy Inst. met i obog AN Kazakh SSR
7-157 '63

y of the plasticity of anisotropic media. V.A.
akin. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no. 4:
3 Jl-Ag '64.

plastic flow of circular plates and shells of
lution. G.I. Bykovtsev, T D. Semykina. Izv AN
:. Mekh. i mashinostr. no. 4:68-76 Jl-Ag '64

CITY—TESTING

d of determining the plastic properties of coal
ignite E M Taits, T M. Bronovets Trudy IGI
9-163 '63.

CIZERS

rs of isophthalic acid as plasticizers. A.I.
pova and others. Plast. massy no. 2:52-56 '64.

ization of coal breeze by tar-containing gases.
Mikhalov. Trudy IGI 20 218-226 '63.

CS

rrosive and decorative coating of pipes with
ics. G.A. Malyshev, A.N. Ezerskii. Plast. massy
:71-72 '64.

pon" plastics and their use in the electric equipment
stry. V N. Nartov. Inform. biul VDNKH no 2:
4 F '64.

All-Union Scientific and Technical Conference on
Ise of Polymeric and Synthetic Materials in Water
ly Engineering. V.I. Antonov. Plast. massy no. 2.
7 '64.

Georgian Scientific and Technical Conference on
Iso of Plastics in the Machinery Manufacture of
Georgian S.S.R. IU.T. Lopatin. Plast. massy
:77 '64.

l for monomer purification by zone melting in a
chamber. A.G. Anikin, S.P. Bykova, V.F. Chistia-
Plast. massy no. 2:73-74 '64.

c siphon spillways. A.IA. Gol'din. Khim. v sel'.
. 2 no. 4:52-54 Ap '64.

c turbines and the area in which they are used.
M. Matevosian. Trudy VNIIBT no. 7:63-86 '63.

cs in foreign countries; various notes. Plast.
sy no. 2:75-76 '64.

meric materials in the building of passenger cars.
C. Shonderovich. Zhel. dor. transp. 46 no. 7:45-
Jl '64.

ects for using chemical materials in the creation
w machines for the coal industry. I.I. Ermak.
39 no 5:9-12 My '64.

overings made of plastics. IU.M. Safronov. Sbor.
. rab. AKKH no. 16.74-78 '62.

opolymer of styrene. N.F. Usmanova and others.
t. massy no. 2:7-8 '64.

f polymer-monomer compositions from polychlo-
nyl acrylate in motion-picture equipment. O.K.
ievol, R.A. Levi. Tekh. kino i telev. 8 no. 7·
1 Jl '64.

ICS—BIBLIOGRAPHY see Bibliography—Plastics

ICS—COLORING

ing polyvinyl chloride plastics. Z.S. Pavlova.
rm. biul. VDNKH no. 2:12-13 F '64.

ICS—MOLDING

ng gear wheels of caprolan. E.A. Maiorova and
rs. Stan. i instr. 35 no. 6:23-25 Je '64.

characteristics of the design of press molds for
ropylene articles. S.V. Gilev. Plast. massy
:65-66 '64.

or casting capron parts. D.D. Riabinin, A.P. Poly-
vi. Mashinostroitel' no. 6.37-38 Je '64.

ICS—TESTING

dence of $\mathrm{tg}\,\delta$ and ε' of polyethylene on the tempera-
in the ultrahigh frequency range. G.P. Mikhailov
others. Plast. massy no. 2:9-12 '64.

of the casting temperature on the properties of
products. R.I. Mamedov, I.F. Kanavets. Plast.
sy no. 2:30-37 '64.

rs affecting the shrinkage of plastics. A.R.
inovs'kyi, Z.V. Brofenbrener. Khim. prom [Ukr.]
:10-13 Jl-S '63.

nical properties of plastics. E.E. Glukhov. Plast.
sy no. 2:56-61 '64.

ICS CUTTING

sion and roughness of a textolite surface machined
athes. S.S. Golubev, M.A. Sergeeva. Trudy Ural.
ekh. inst. no. 129:32-37 '63

ICS IN BUILDING
also subdivision under Canada)

made of plastic materials. L.I. Serdiuk, A.L.
zner. Trudy Giprovodkhoza no. 22:141-144 '63.

Indices of the wide use of chemistry in construction M Zalmanova Plan khoz 41 no 8 61-62 Ag '64

Mechanical properties of plastic foams determining their efficiency as reinforcing fillers Report No. 2. Efficiency of plastic foams in structures under cyclic loads. B.I Panshin and others Plast massy no. 2: 39-43 '64.

PLASTICS IN THE PETROLEUM INDUSTRY

Recent data on the use of plastics in the oil and gas industry abroad. B.I. Losev, M.L. Monina. Gaz. delo no. 7.39-42 '64.

PLASTICS INDUSTRY

Speed up the development of industries for the manufacture of goods from plastics. M.S Akutin. Plast massy no. 2:1-2 '64.

PLASTICS INDUSTRY—DICTIONARIES

Russian-English dictionary for the Rubber and Plastics Industry Reviewed by F I IAshunskaia Kauch i rez. 23 no 7 62 Jl '64

PLASTICS MACHINERY—HYDRAULIC DRIVE

Automatic hydroelectric regulation of the clearance between the rollers of calenders L P Herasimenko Khim prom [Ukr] no 3·62-64 Jl-S '63

PLATE PRINTING

Solokhina, V.G., and IU.I. Beliaeva. [Electrolytic method for etching screen printing plates] Elektroliticheskii sposob travleniia rastrovykh klishe. Moskva, VNIIPP, 1963, 44 p. (Informatsionnye materialy. Seriia, Reproduktsionnye i formnye protsessy)

PLATES, IRON AND STEEL—WELDING

Gololobov, B.A., and K.G. Nikolaev [Properties of welded joints in hull steels] Svoistva svarnykh soedinenii korpusnykh stalei. Leningrad, Sudostroenie, 1964. 239 p.

PLATINUM

Activity of Pt blacks prepared in the ultrasonic field from H_2PtCl_6 solutions of various concentrations Li Ven'-chzhou [Li Wên-chou], A.M Mal'tsev, N.I. Kobozev Zhur. fiz. khim. 38 no. 2·439-441 F '64

PLATINUM CATALYSTS

Catalytic activity of platinated nickel as related to sulfur dioxide oxidation. O K Davtian, E N. Ovchinnikova, G.A. Grigor'eva Nauch. ezhegod Khim. fak Od. un. no. 2:115-116 '61.

Catalytic conversion of spiro-(5, 6)-dodecane on a platinum catalyst. N.V. Elagina and others. Neftekhimiia 4 no. 2:241-245 Mr-Ap '64.

Displacement of double bonds in hexenes in the presence of platinum catalysts Neftekhimiia 4 no. 2 215-218 Mr-Ap '64.

PLATINUM-COBALT ALLOYS see Cobalt-platinum alloys

PLATINUM COMPOUNDS

Some dithiourea complex compounds of platinum (II) of cis-configuration. S.P. Dorendiaev. Zhur. neorg. khim. 9 no. 6:1345-1349 Je '64.

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM-IRON ALLOYS see Iron-platinum alloys

PLAVUSHCHEYE, LAKE (PSKOV PROVINCE)—CARP

Materials on the rearing of young carp in a conditioned lake. V.V. Erik. Izv. GosNIORKH 55:112-114 '63.

PLEKHANOV, GRIGORII VALENTINOVICH, 1856-1918

Kozak, V.E. [G.V. Plekhanov on the development of industrial capitalism and the condition of the proletariat in Russia] G.V. Plekhanov o razvitii promyshlennogo kapitalizma i polozhenii proletariata v Rossii. Kiev, Izd-vo Akad. Ukrainskoi SSR, 1964. 174 p.

PLETHYSMOGRAPHY

Method of bloodless determination of arterial pressure in laboratory animals. R. Looga, M. Kull. Biul. eksp. biol. i med. 55 [i.e. 56] no. 10:116-119 O '63.

PLETNEVA-SOKOLOVA, AGNIIA DMITRIEVNA, 1899-1963

To the memory of Agniia Dmitrievna Pletneva-Sokolova. V.S. Porfir'ev, Z.M. Kudanova. Bot. zhur. 49 no. 7: 1073-1075 Jl '64.

PLOWS—TESTING

Work of the PT-2-30 three-level plow on Solonetz soils. N.V. Orlovskii and others. Trudy Biol inst. Sib. otd AN SSSR no. 9:200-212 '62.

PLUMBING

"Interior plumbing of factory and auxiliary buildings of industrial enterprises. Design standards." Biul. stroi. tekh. 20 no. 7:23-25 Jl '63.

Repin, N.N. [Sanitary equipment and gas distribution to buildings] Sanitarno-tekhnicheskie ustroistva i gazosnabzhenie zdanii. 3. izd., perer. i dop. Moskva, Stroiizdat, 1964. 324 p. diagrs. (insert)

PLUTONIUM

Fluorescence yields for L-shells of Np and Pu. G.G. Akalaev, N.A. Vartanov, P.S. Samoilov. Izv. AN SSSR. Ser. fiz. 28 no. 7·1259-1263 Jl '64.

PLUTONIUM—TOXICOLOGY

Pathochemistry of the liver in poisoning with plutonium-239. N.I. Elkina, Z.B. Tokarskaia. Vop. med. khim. 9 no. 2:154-160 Mr-Ap '63.

PNEUMATIC CONTROL

Automatic control of the distribution of blast to blast furnace tuyeres at the Kuznetsk Metallurgical Combine B.N Zherebin and others Stal' 23 no 4 292-296 Ap '64

Pneumatic disk clutches F V Klevanskii Mash. i neft obor. no. 2 21 '63

Zalmanzon, L.A. [Fluid jet control] Pnevmonika; struinaia pnevmoavtomatika. Moskva, Nauka, 1964. 61 p. (Nauchno-populiarnaia seriia)

PNEUMATIC CONTROL—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pneumatic controllers and regulators] Pnevmoapparatura kontrol'no-reguliruiushchaia (MN 4813-63—MN 4818-63). Moskva, Izd-vo standartov, 1964. 32 p. (SSSR. Normali mashinostroeniia)

PNEUMATIC CONVEYING

Apparatus for the control of the height of flying of loose materials in pneumatic conveying devices B Z Votlokhin Nefteper i neftekhim. no 5 38-40 '63

PNEUMATIC MACHINERY—DESIGN AND CONSTRUCTION

Reduce leakage of compressed air V.A Murzin, IU A TSeitlin, V.V. IUshin. Ugol' Ukr. 7 no 9 25-26 S '63.

PNEUMATIC MACHINERY—HANDBOOKS, MANUALS, ETC.

[Handbook for using the BPF pneumatic cutter-loaders] Rukovodstvo po ekspluatatsii pnevmaticheskikh kombainov BPF. [By] A.B. Gorenshtein i dr. Moskva, Izd-vo "Energiia," 1964. 183 p.

PNEUMATIC MACHINERY—MODELS

Study of solenoid hammers by means of an MN-7 modeling setup L.M. Minkevich. Izv SO AN SSSR no 2 Ser tekh. nauk no. 1:106-111 '64.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMONIA
(see also subdivision under Dushanbe)

Morphological characteristics of staphylococcal pneumonia treated with antibiotics in very young children. A.S. Shelepin. Trudy Tadzh. med. inst. 50:68-71 '61.

Staphylococcal pneumonia in young children. N.V. Vail'. Trudy Tadzh. med. inst. 50:59-65 '61.

PNEUMOTHORAX

Content of oxygen and organic acids of blood in the terminal state caused by bilateral pneumothorax and in the following restoration of life functions of the organism. Sh S. Machavariani. Soob. AN Gruz. SSR 33 no. 3:565-572 Mr '64.

POCHINOK DISTRICT—AGRICULTURAL WORKERS

Not sparing his heart. S. Shaboldin. Mol. komm. no. 2: 33-37 F '64.

PODZOL
(see also subdivision under Kostroma Province; Moscow Province)

Change of the mineralogical composition of Podzolic soils as a result of the use of fertilizers over a period of many years. S.N. Aleshin, M.Sh. Shaimukhametov. Izv. TSKHA no. 6·64-73 '63.

Effect of manganese used with peat on the yield and quality of some crops M I. Kasatkin, T.N. Kiseleva. Trudy Kostr sel'khoz inst "Kar." no. 3.107-112 '63.

Fertilizers for potatoes in dark-gray podzolized soils. A.M. Kopanitsa. Agrobiologiia no. 1:41-45 Ja-F '64.

Ponomareva, V.V. [Theory of the process of podzolization; biochemical aspects] Teoriia podzoloobrazovatel'nogo protsessa; biokhimicheskie aspekty. Moskva, Nauka, 1964. 377 p.

S N. Ivanov's book "Physicochemical conditions of phosphates in peat and turf-Podzolic soils." D.L. Askinazi. Pochvovedenie no. 7:114-118 Jl '64.

POGONOPHORA—ANATOMY

Structure of the posterior part of the body of Pogonophora. A.V. Ivanov. Zool. zhur. 43 no. 4:581-589 '64.

POISONOUS ANIMALS

Review of E.N. Pavlovskii's book "Papers on experimental zoology and poisonous animals" M.S. Giliarov Zool. zhur. 43 no 4:626-628 '64.

POKROVSKII, ALEKSEI ALEKSEEVICH, 1875-1954

Outstanding scholarly archivists. M.D. Rabinovich. Vop. arkh. 8 no. 3:41-49 Jl-S '63.

POLAND—AIR FORCE

"Iras" over the Vistula. Ja Szymanowski Sov voin 46 no 9 36 My '64.

POLAND—ARMY

The Polish Army, a new type army Z.Duszynski. Voen. vest 41 no.7:36-40 Jl '64.

POLAND—CARTOGRAPHY

Striking large-scale maps L. Brokman Geod i kart no 5 65-67 My '64

POLAND—COMMUNIST PARTY

Struggle of the Polish Workers' Party to found a national front during the Second World War B S Popkov Vop ist 39 no 7 192 Jl '64

POLAND—ECONOMIC CONDITIONS

The path of peace, labor and socialism Ignacy Loga-Sowinski Sov profsoiuzy 20 no 15 38-40 Ag '64

Twenty-year balance sheet J Tejchma Nov vrem 21 no 29 12-14 Jl '64

POLAND—ECONOMIC POLICY

Z Rybitskii's "Administration of the national economy in the Polish People's Republic." N.G.Salisheva, A.G. Morokhina. Sov.gos i pravo 34 no 7 161-163 Jl '64

POLAND—FOREIGN RELATIONS—RUSSIA

Poland celebrates Nov vrem 21 no 30 3-4 Jl '64

POLAND—PEASANTRY

"Carrying out the peasant reform of 1864" [in Polish] by K Groniowski Reviewed by I I Kostiushko Vop ist 39 no 7 176-179 Jl '64

POLAND—POLITICS AND GOVERNMENT

Establishment of people's rule in Poland V S Parsadanova Vop ist 39 no 7 47-59 Jl '64

People's Poland is 20 years old I Khrenov Kommunist 41 no 10 91-98 Jl '64

Review of foreign historical — party journals. Vop. ist. KPSS 8 no.8 141-142 Ag '64.

Twenty years of People's Poland Nov vrem 21 no. 29: 7-8 Jl '64

POLAND—RELATIONS (GENERAL) WITH RUSSIA

Brothers forever. S.Lesnevskii. Voen.znan. 40 no 7: 14-15 Jl '64.

Special issue of the Polish periodical "Gospodarko i administracja terenova" (Local economy and government). Sov.gos.i pravo 34 no 7:169 Jl '64.

POLAND—RELATIONS (MILITARY) WITH RUSSIA

Friendship I Aseev Starsh-serzh no 7 34 Jl '64.

POLAND—WORLD WAR, 1939-1945

As the cannons thundered A Sroga Nov vrem 21 no 29 8-12 Jl '64

Establishment of people's rule in Poland. V.S Parsadanova. Vop ist. 39 no 7 47-59 Jl '64

Struggle of the Polish Workers' Party to found a national front during the Second World War B S.Popkov Vop ist 39 no 7 192 Jl '64.

POLAND—WORLD WAR, 1939-1945—CAMPAIGNS

How Poland was liberated M.Kalashnik Nov.vrem. 21 no 29 14-16 Jl '64

Lvov-Sandomierz operation. P.Polubolarov. Voen. vest. 44 no.7:12-16 Jl '64.

POLAR REGIONS—ICE

Aeromethods in polar sea ice studies V.I.Avgevich. Izv Vses geog ob-va 96 no 3 197-205 My-Je '64.

POLARIZATION (ELECTRICITY)

Cathodic polarization of lithium on a gallium cathode Report No 1 V.P.Porubaev, V D Ponomarev Trudy Inst met i obog AN Kazakh SSR 8 113-121 '63

Effect of natural convection on the recharging rate in reversible redox systems [with summary in English]. O.B.Khachaturian, N.S.Fedorova. Zhur.fiz.khim. *38 no. 2:372-374 F '64.*

Experimental check of the graphic method for calculating polarization when superimposing the direct and alternating currents. M.A.Loshkarev, Zh.L.Levitin, V.I. Chernenko. Trudy DKHTI no.16:87-98 '62.

Inhibition of the anodic ionization of zinc. M.A.Loshkarev, M.G.Efremova. Trudy DKHTI no.16:77-85 '62.

Investigating cathodic polarization during the electrolysis of aqueous solutions of vanadium and iron G A.Kolobov, A M Kunaev Trudy Inst. met i obog. AN Kazakh SSR 8 77-83 '63

Investigating the kinetics of the interaction of sulfides and oxides by the method anodic polarization. B.I. Sergin, O.A.Esin, B.M.Lepinskikh. Izv. AN SSSR. Met.i gor. delo no. 2. 45-50 Mr-Ap '64.

Polarization of fine porous electrodes. O.S.Ksenzhek. Zhur.fiz.khim. 36 no.3:633-637 Mr '62.

Unit for the electrochemical *polarization of electrodes* by low frequency alternating current of varying degrees of asymmetry [with summary in English]. IU.N. Mikhailovskii. Zhur.fiz.khim. 38 no.2:520-522 F '64.

POLAROGRAPHY

Maximum sensitivity of the method of amalgam polarography with storage V.A Igolinskii, A.G.Stromberg. Zav lab 30 no 6 656-658 '64.

Multicycle oscillographic polarography with two streaming mercury electrodes in differential circuit. E.Gorlich, J.Srzednicki, Z.Kowalski. Zhur.fiz.khim. 36 no. 3 449-454 Mr '62.

Nature of the polarographic wave of cobalt in the presence of protein substances G T Voronov, I D Ivanov, E E Rakhleeva Dokl AN SSSR 157 no 1 194-197 Jl '64

Oscillographic polarography with the use of stepwise voltage. R.Sh Nigmatullin, M.R Viaselev. Zhur. anal.khim. 19 no 5:545-552 '64

Polarographic behavior of uranyl complex compounds with organic reagents. I.A.TSerkovnitskaia, T.T. Bykhovtseva. Zhur.anal khim. 19 no.5 574-583 '64.

Polarographic determination of cadmium admixtures in In-Sb and Ga-Sb alloys. N.S.Gertseva. Trudy Inst. met. no.14:251-254 '63.

Polarographic determination of cyanogen chloride in aqueous solutions. A P.Tomilov, S.M.Makarochkina Zhur.anal.khim 19 no.5,646-648 '64.

Polarographic determination of two substances with close half-wave potentials when they are present together. L.IA.Kheifets. E A.Preobrazhenskaia, V D.Bezuglyi. Zhur.anal.khim 19 no 5:607-609 '64.

Polarographic studies in the diagnosis of lung cancer. E.F.Mairanovskaia, A.S.Mamontov, V.V.Gorodilova. Vop.onk. 10 no.3:66-71 '64.

Polarographic study of N-oxide of N-methylpiperidine. Kinetic waves of N-oxides. S.G.Mairanovskii, N.V. Barashkova, F.D.Alashev. Zhur.fiz.khim. 36 no.3: 562-566 Mr '62.

Polarographic study of some derivatives of 4-acetylbiphenyl and 2-acetylfluorene. V.D.Bezuglyi, L.A. Mel'nik. Zhur.ob.khim. 34 no.7:2103-2107 Jl '64.

Polarography of diethyl ether peroxide. O.B.Iv. Izv. AN SSSR.Ser.khim. no.7:1314-1316 Jl '64.

Pulse polarographic determination of tellurium traces in metallic Sb, In, Ga, and Bi. B.IA.Kaplan, I.A. Sorokovskaia, O.A.Shiriaeva Zav lab. 30 no.6: 659-661 '64.

Quantitative determination of khellin in combined medicinal preparations with the use of the polarographic method. IU.IE Orlov, N.P.Dziuba, IU.V Shostenko. Farmatsev zhur. 18 no.5:36-39 '63.

Theory of oscillographic polarography. L.IA.Shekun. Zhur.fiz.khim. 36 no.3:456-457 Mr '62.

Use of polarographic method in measuring the oxygen requirement rate by aquatic animals. L V Kamliuk. Nauch.dokl.vys.shkoly. biol.nauki no 3:49-53 '64.

POLESYE—ALGAE

Desmidiaceous algae in the ponds of White Russian Polesye. N.I.Sretenskaia. Vestsi AN BSSR. Ser. biial.nav. no.4:79-83 '62.

POLESYE—MINERALOGY

Mineralogy of Quaternary sediments in the eastern part of the White-Russian Polesye. K.I.Lukashev, S.G. Dromashko. Dokl.AN BSSR *7 no.12:829-833 D '63.*

POLESYE—PEAT SOILS

Endemic lodging of cereal plants. V.V.Koval'skii, M K.Masliankaia Agrokhimiia *no.1:93-100 Ja '64*

POLETAEV, FEDOR ANDRIANOVICH

Hero of two nations. S.S.Smirnov. Mol.komm. *no.2: 99-101* F '64.

POLICE

Jurisdictional relations of comrades courts with organs of the police, prosecutors offices, and courts. V.Shind. Sots.zakon. 41 *no.4:44-48 Ap '64.*

POLIOMYELITIS VIRUSES

Variability of the intratype antigenic marker of poliomyelitis virus strains. IU.Z.Gendon. Biul.eksp. biol.i med. 55 [i.e.56] no.10:67-69 O '63.

POLISH LANGUAGE—DIALECTS

Dictionary of Polish dialects. M.Karas. Vop.iaz. 12 no.4,85-93 Jl-Ag '63.

POLISH PERIODICALS

Special issue of the Polish periodical "Gospodarko i administracja *terenova*" *(Local* economy and government). Sov.gos.i pravo 34 no.7:169 Jl '64.

POLISH PHILOLOGY—STUDY AND *TEACHING*

International courses of Slavists in Poland. Izv. AN SSSR.*Ser.lit.i iaz. 23 no.1:73-74* Ja-F '64.

POLISHING, ELECTROLYTIC see Electrolytic polishing

POLITICAL ETHICS

Aznaurov, A.A. [Essays on the ethics of great Russian revolutionary democrats] Ocherki po etike velikikh russkikh revoliutsionnykh demokratov. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 277 p.

POLITICAL PRISONERS see subdivision under Peniche, Portugal

POLITICAL SCIENCE

Scientific foresight and the guidance of social development. V.N.Redkozubov. Uch. zap Kaf. obshchestv nauk vuz g Len.; Filos. no.4:18-32 '63.

POLKANOV, ALEKSANDR ALEKSEEVICH, 1888-1963

Academician Aleksandr Alekseevich Polkanov. N.[illegible]seev, K.A.Shurkin. Trudy Lab.geol.dokem. no.[illegible] 3-17 '64.

POLLEN

Determining the viability of the pollen of Polygonum Weyrichii F. Schmidt and P. divaricatum L. by the germination method. V M. Kudraulsava. Vestsi AN BSSR. Ser. biial. nav. no. 4:40-43 '63.

POLLEN—MORPHOLOGY

Pollen morphology of Hamamelidaceae and Altingiaceae Chzhan TSzin'-tan' [Chang Chin-t'an]. Trudy Bot. inst. Ser. 1 no. 13:173-232 '64.

POLONSKII, IAKOV *PETROVICH, 1820-1898*

Bogomolov, L.S. [Armenia in the work of IAkov Polonskii] Armeniia v tvorchestve IAkova Polonskogo. Erevan, Izd-vo AN Armianskoi SSR, 1963. 122 p.
(NjP)

POLTAVA GOVERNMENT—HISTORY

Medveds'ka, L.O. [Decembrists in the Poltava region] Dekabrysty na Poltavshchyni. [Kharkiv] Kharkivs'ke knyzhkove vyd-vo, 1960. 61 p.
(MH)

POLTAVA PROVINCE—MATERIA MEDICA, VEGETABLE

Investigation, procurement and cultivation of medicinal plants in Poltava Province in the pre-October period. D.S Ivashin Farmatsev. zhur. 18 no 1 [illegible]

POLYAMIDES

Heterochain polyesters. Report No.60: Structure of polyamidoarylates obtained by interfacial polycondensation. V.V.Korshak, S.V.Vinogradova, U Ban-iuan' [Wu Pang-yüan]. Izv.AN SSSR.Ser.khim. no.7:[illegible]-*1293 Jl '64.*

Heterochain polyesters. Report No.61: Polyamidoarylates and polyarylates based on acid chloride of bis-(carboxyphenyl)-methylphosphine oxide. V.V Korshak, S.V.Vinogradova, U Ban-iuan' [Wu Pang-yuan]. Izv. AN SSSR.Ser.khim. no 7:1202-1205 Jl '64.

Morphological characteristics of a stabilized capron fiber. V.O.Gorbacheva and others. Khim.volok. no.3:19-20 '64.

Polyamides as structural materials for machine [illegible] Vadachkoriia, IU T.Lopatin. Mashinostroitel' [illegible]-11 Jl '64.

Polycondensation resins. N.K.Moshchinskaia, N.V. Plisovskaia. Trudy DKHTI no.10:55-60 '62.

POLYETHYLENE

Achievements of chemistry in irrigation. N.A.[illegible] Khim.v sel'.khoz. 2 no.4:54-56 Ap '64.

Dependence of $\mathrm{tg}\,\varepsilon$ and ε' of polyethylene on the temperature in the ultrahigh frequency range. O.P.Mikhai[illegible] and others. Plast.massy no.2:9-13 '64.

Dependence of the induction period of the oxidation of polyethylene and polypropylene on the content of N-phenyl-β-naphthylamine. J.Sliapnikovas, J.Kapa[illegible]skiene. Trudy AN Lit. SSR. Ser. B no 1:175-[illegible]

POLYMERIZATION

Alkali polymerization of caprolactam. A P [illegible], K.A.Kornev, D.N IArovyi. Khim. prom. [illegible] no 3:48-50 [illegible] '63.

Alkylaryl esters of pyrocatechin phosphorous acid as the new stabilizers of polymers. E.N.Matveeva and others. Plast.massy no.2:37-39 '64.

Apparatus for studying the physicomechanical properties of polymerizing masses. A.V.Riabov, II.N [illegible]nov. Zav.lab. 30 no.6:762-763 '64.

Calorimetric study of the radiation-induced solid phase polymerization of acrylonitrile at 135°K. D.A.Kritskaia and others. Izv.AN SSSR.Ser.khim. no.7:[illegible] Jl '64

Catalytic polymerization of C_5 olefins in the presence of a sulfocation resin. N.G.Polianskii, E.F. *TSekhmister.* Neftekhimiia 4 no.2:202-205 Mr-*Ap '64.*

Catalytic polymerization of organosiloxane oligomers in the presence of alkalies. Report No.1: Effect of the composition and method of preparing oligomers on the polymerization process. A.I.Petrashko, A.A [illegible] K.A.Andrianov. Izv.AN SSSR.Ser.khim. no 7:[illegible]-1281 Jl '64.

Cation polymerization kinetics of trioxane. G.V.Rakova and others. Dokl.AN SSSR 156 no.6:1409-1411 Je '64

Chemistry of divinylacetylene and its halo derivatives. *Report No.16:* Copolymerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene with vinyl chloride and *vinylidene* chloride. G.E.Krbekian, E.G.Sinanian, *A.N.Akopian. Izv. AN* Arm. SSR. Khim. nauki 16 [illegible] 145-150 '63.

Copolymerization of pentenes with 2-methyl-1,3-butadiene. S.I.Sadykhzade, T.I.Mamedov, S.IA.Sa[illegible] Azerb.khim.zhur. no.6:51-54 '63.

POLYMERIZATION (Continued)

Cyclic polymerization and copolymerization. Report No. 22: Cyclic polymerization capacity of aliphatic divinyl acetals. S.G Matsoian, M G Voskanian. Izv AN Arm. SSR. Khim. nauki 16 no 2:151-158 '63

Cyclic polymerization and copolymerization. Report No. 27: Radical polymerization of dimethylvinylethinylcarbinol in solutions. S.G. Matsoian, N. M. Morlian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6 571-580 '63.

Kinetics of polycondensation of hydrazides of dibasic carboxylic acids with dicarboxylic acids K A Korniev, V. A IAnchevs'kyi, A. P. Hriekov. Dop. AN URSR no 8 1080-1084 '64.

Methods for the elimination of heat during high-speed low-temperature polymerization of butadiene with styrene in emulsions I M Bastev, IA. B Shainskii Kauch i rez 23 no 7 24-28 Jl '64.

Polymerization of a mixture of vinyltoluenes in the presence of various initiators. IU.G. Mamedaliev and others. Azerb. khim. zhur. no. 5:35-38 '63.

Preparation of polymers by polycyclization reaction. Report No. 1: Polypyrazoles. V.V Korshak and others. Izv. AN SSSR. Ser. khim. no. 7:1281-1288 Jl '64

Radiation polymerization of ethylene in enlarged laboratory apparatus. A.D. Abkin and others. Plast. massy no. 2:3-6 '64.

Study of peroxide - amine systems as polymerization initiators. S. L. Mkhitarian, N. M. Beilerian, O. A. Chaltykian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:527-534 '63.

Synthesis of isoprene from propylene. 3. Composition of propylene dimerization products. V. Sh. Fel'dblium and others. Neftekhimiia 4 no. 2.257-261 Mr-Ap '64.

Synthesis of semiconducting combined materials by the method of gas-phase grafted radiation polymerization. A. V. Vlasov and others. Dokl. AN SSSR 158 no. 1.141-142 S-O '64.

Telomerization of dimethylcyclosiloxanes. Report No. 6: Reaction of hexamethylcyclotrisiloxane with methyldichlorosilane, methylvinyldichlorosilane, and methylphenyldichlorosilane. K.A. Andrianov, V.V. Severnyi. Izv. AN SSSR. Ser khim no. 7:1266-1271 Jl '64.

POLYMERS

Analysis of polymeric materials with the chromatography method in a gas medium. Khim. prom. [Ukr.] no. 3: 93-94 Jl-S '63.

Anisotropy of the mechanical properties of uniaxially oriented films of crystalline polymers. E.K. Ashkonazi. Plast. massy no. 2:67 '64.

[The chemistry and technology of polymers; translations and surveys from foreign periodical literature] Khim. i tekh. polim.; sbor. perev. i obz. iz inostr. period. lit. 8 no. 8 '64.

Invasion of polymers. M. Kolon. Tekh i vooruzh. no. 3: 72-75 Mr '64.

Kinetics of polycoordination. S. V. Vinogradova, M. G. Vinogradov, V. V. Korshak. Kin. i kat. 5 no. 2:247-252 Mr-Ap '64.

Methods for determining primary amino groups and for the control of the diazotization processes and azo coupling of aromatic amino polymers. V.G. Sinlavskii, A. I. Turbina. Plast. massy no. 2:63-64 '64.

Preparation of complex-forming polymeric materials as homogeneous films and the study of their properties. A. A. Efendiev and others. Azerb. khim. zhur. no. 5: 73-78 '63.

Process of forming of polycarbonate fibers. L. G. Vedernikova, A.A. Konkin. Khim. volok. no. 3:26-29 '64.

Production of polymers with dibenzoborimidazoline links in the main chain. N. A. Adrova, L. K. Prokhorova, M. M. Kolon. Dokl. AN SSSR 158 no. 1:130-132 S-O '64.

Prolonging the youth of polymers. I Silant'ev. Izobr. i rats. no. 5.36 '64

Relation between wear resistance and heat resistance of leather as a natural polymeric material. G.I. Kutianin. Dokl. AN SSSR 156 no. 6:1432-1435 Je '64.

Spontaneous formation of large oriented structures in a nonregular copolymer of the diethyl ester of vinylphosphinic acid and acrylic acid. V.A. Kargin, A.A Efendiev, Z. IA. Beresineva. Dokl AN SSSR 157 no. 1:125-126 Jl '64.

Study in the field of mechanochemistry of polymers; some biological problems in the mechanochemistry of natural polymers A A Berlin. Biofizika 8 no. 1:28-33 '63.

Studying the demulsifying properties of surfactants synthesized on a base of polymers in the "Neftegaz" plant. M. A. Ashimov and others. Azerb. neft. khoz. 43 no. 3:37-39 Mr '64.

Telomerization of dimethylcyclosiloxanes. Report No. 7: Preparation of dimethylsiloxane oligomers with functional groups in organic radicals. K. A. Andrianov, V. V. Severnyi. Izv. AN SSSR. Ser. khim. no. 7:1271-1276 Jl '64.

Temperature changes of the large period in oriented polymers. IU. A. Zubov and others. Dokl. AN SSSR 157 no. 4:948-950 Ag '64.

Thermal diffusion in diluted polymer solutions. T. N. Khazanovich. Dokl. AN SSSR 157 no. 1.165-167 Jl '64.

Use of synthetic polymers in the production of photographic emulsions. S. M Levi. Tekh kino i telev 8 no. 7.13-21 Jl '64

Using polymers in mortars and concretes. N. P Il'ina. Sbor nauch rab AKKH no 16 105-107 '62

Waterproof polymer coating for the inside surfaces of reinforced concrete hoppers P A Severin, N M Epimakhov. Koks i khim no 6:52-53 '64.

POLYMERS—ELECTRIC PROPERTIES

System for investigating the dependence of the electric resistance of polymeric materials on the temperature. I. D. Konobievs'kyi. Khim prom. [Ukr.] no. 3:71-76 Jl-S '63.

POLYMERS, HIGH see Macromolecular compounds

POLYMORPHISM

Polymorphism and phase variability of Dociostaurus kraussi Ingen (Orthoptera, Acrididae) on the Mangyshlak Peninsula and in the Usturt M P. Mal'kovskii Ent oboz 12 no 4 776-781 '63

Polymorphism of molecules and complex ions in oxygen compounds of silicon and phosphorus. Report No. 4: Phase transitions and conformations of the octamethylcyclotetrasiloxane $[OSi(CH_3)_2]_4$ molecule A N. Lazarev, T. F Tenisheva. Izv AN SSSR Ser khim no 7: 1168-1177 Jl '64

Stoichiometry and polymorphism of tricalcium silicate. A. I. Boikova, N A. Toropov. Dokl. AN SSSR 156 no. 6: 1428-1431 Je '64.

POLYNOMIALS

Processes of approximation of periodic functions by trigonometric polynomials. M M Pavlovs'kyi Dop AN URSR no 8:1005-1009 '64.

Representation of ultraspherical polynomials in the form of a differential operator containing the generating function of these polynomials. A K. Kharadze. Dokl. AN SSSR 158 no. 1:59-61 S-O '64.

Sequences of Appel type polynomials satisfying the recursion relation. A. K. Kharadze. Sib. mat. zhur. 5 no. 4:963-967 Jl-Ag '64.

A theorem in the theory of reducibility of polynomials. R. R. Varshamov. Dokl. AN SSSR 156 no 6:1308-1311 Je '64.

Use of trigonometric polynomials in the approximation of even functions satisfying Lipshits's condition P. I. Ruban, K. V. Krasil'nikov Izv. vys ucheb zav, mat no 2:136-138 '64

POLYPLOIDY

Characteristics of sugar beet autotetraploids in connection with the level of their heterozygosis. V. A. Panin. Dokl. AN SSSR 158 no. 1:206-207 S-O '64.

Natural triploidy within a polymorphous group of the Caucasian lizard Lacerta saxicola Eversmann, resulting from hybridization between bisexual and parthenogenetic varieties of this species. I. S. Darevskii, V. N Kulikova. Dokl. AN SSSR 158 no. 1:202-205 S-O '64.

POLYPROPYLENE

Dependence of the induction period of the oxidation of polyethylene and polypropylene on the concentration of phenyl-β-naphthylamine. J. Sliapnikovas, J. Kapacauskiene. Trudy AN Lit. SSR. Ser. B no. 1.175-181 '62.

Modification of the properties of polypropylene fibers. M. P. Zverev and others. Khim. volok. no. 3:15-19 '64.

Properties of polypropylene films. G.A. Ermilova, R.A. Arakelian. Plast. massy no. 2:48-50 '64.

Some characteristics of the design of press molds for polypropylene articles. S.V. Gilev. Plast. massy no. 2:65-66 '64.

POLYSACCHARIDES

Histochemical characteristics of glycogen and acid mucopolysaccharides in tuberculous nodules and exudative foci. S.S. Kasab'ian. Probl. tub. 42 no. 1: 69-73 '64.

Histochemical characteristics of mucopolysaccharides of the interstitial tissue of the medullary substance of the kidneys. L. N. Ivanova, V. V. Vinogradov. Arkh. anat., gist. i embr. 43 no. 11:18-23 N '62.

Mechanical and chemical destruction of polysaccharides in the presence of sulfuric acid. Report No. 3: Minimal possible specific expenditure of sulfuric acid. N. V. Chalov, E. F. Goriachikh. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:137-144 '63.

POPLAR

Characteristics of the individualized shoots of chimeral poplars. A. E. Vasil'ev. Nauch. dokl. vys. shkoly; biol. nauki no. 3:184-189 '64.

POPLAR—DISEASES AND PESTS see subdivision under Crimea; Ukraine

POPULATION—MAPS

Classification of population maps. G. N. Ozerova. Vest. LGU 19 no. 12:166-169 '64.

POPULATION FORECASTING see subdivision under Siberia

POROSITY

Certain data on the effect of late catagenesis on the structure of pore space. O. V. Beskrovnaia, S. S. Savkevich. Trudy VNIGRI no. 228:132-137 '64

Investigation of pore forming in cadmium during repeated hardening. A. P Savitskii L. K. Savitskaia Fiz. met. i metalloved 17 no. 6 886-891 Je '64.

POROUS MATERIALS

Effect of the porous structure of an alumina-chromium oxide catalyst on the conversion of n-hexane. O. D. Konoval'chikov and others. Kin. i kat. 5 no. 2:350-354 Mr-Ap '64.

Study of "suffosion" and colmatage in block-type filters made of porous materials. N. D. Bessonov Trudy Lab. inzh. gidrogeol. VODGEO no. 5 29-52 '63

PORPHYRY see subdivision under Tuar-Kyr region

PORTABLE ELECTRIC LAMPS see Electric lamps, Portable

PORTLAND CEMENT

Burning portland cement raw material mixes at high temperatures (up to 2273 °K). IU. M. Butt and others. TSement 30 no. 1:9-12 Ja-F '64.

PORTLAND CEMENT—SPECIFICATIONS

Interrepublic technical specifications for colored portland cement Biul stroi tekh 20 no 12 24-25 D '63

POSITRONS

Annihilation of positrons with electrons in gadolinium. I IA. Dekhtiar, S G Litovchenko, V. S. Mikhalenkov Sbor nauch. rab Inst metallofiz. AN URSR no 18 198-201 '64.

POSSIBILITY

Akademiia nauk SSSR. Kafedra filosofii, Leningrad. [Problem of possibility and reality] Problema vozmozhnosti i deistvitel'nosti, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 277 p.

POSTAGE STAMPS

Helping friends I. Vladinets Az i Afr seg 8 no 7 64 Jl '64

POSTAL SERVICE

Vishnevskii, A. A., and F. IU. Krupianskii. [Organization and planning of postal communications] Organizatsiia i planirovanie pochtovoi sviazi. Moskva, Izd-vo "Sviaz'," 1964. 328 p.

POSTOPERATIVE CARE

Morphologic characteristics of the healing of surgical incised wounds of the heart. A. F. Gribovod. Arkh. pat. 26 no. 2:10-17 '64.

POSTURE

Aksenov, N. F., and others. [Training of the right posture] Vospitanie pravil'noi osanki. Moskva, Fizkul'tura i sport, 1964. 62 p.

POTASH

Methods of using potash in agriculture. I. M. Strebkov. Khim. v sel'. khoz. 2 no. 4:16-20 Ap '64.

Study of the qualities of sodium sulfate and potash as additions for concrete hardeners. T. S. Larionova, K. V. Rapoport. Sbor. nauch. trud. NII po stroi. ASiA no. 4.98-107 '63.

POTASH MINES AND MINING see subdivision under White Russia

POTASSIUM

(see also subdivision under Starobin region, White Russia)

Colorimetric method for determining chromium in potassium and mother liquors. M. IA. Uhmachev, T. V. Oliinik. Khim. prom. [Ukr.] no. 3:71-72 Jl-S '63.

Effect of pottassium on the yield and quality of yeast L. D. Belova Khleb. i kond. prom. 8 no. 7:21-24 Jl '64.

POTASSIUM—ANALYSIS

Determination of potassium in complex and mixed phosphorus fertilizers. F. M Rapoport, N. A. Nikitina, A. N. Polianskaia. Zav. lab. 30 no. 6: 667-669 '64.

Role of potassium in the leaching of nepheline rocks. M M. Gol'dman and others Trudy Inst met i obog AN Kazakh. SSR 8 72-76 '63

POTASSIUM-ARGON DATING

Absolute age of mica-bearing pegmatites in the Rekalatva deposit (Kola Peninsula). IU. V. Nikitin. Trudy Lab. geol. dokem. no. 19:236-238 '64.

Rejuvenation processes in the different ages of the Pre-Cambrian rocks in the Eastern Sayan Mountains. L. P. Nikitina and others. Trudy Lab. geol. dokem. no. 19: 219-228 '64.

POTASSIUM BROMIDE

Refractometric study of complex formation in the system cadmium chloride - potassium bromide - water. A. O. Pozigun, N. A. Goncharova, V. F. Bakhmat. Nauch. ezhegod. Khim fak. Od. un. no. 2:5-7 '61.

POTASSIUM CARBONATES

Absorption of hydrogen sulfide by potassium carbonate solution in a foam bubble. I. G. Plit, S. G. Nilus. Trudy DKHTI no. 16:161-172 '62.

POTASSIUM CHLORIDE

Solubility in the ternary system $CdCl_2$ - KCl - H_2O G F Dmitrievskaia, I I Aleksandrova A I Pozigun Nauch ezhegod Khim fak Od un no 2 12-15 '61

POTASSIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Effect of intra-aortal injection of potassium chloride on mono and polysynaptic reactions of the spinal cord I O Samos'kina Fiziol zhur [Ukr] 9 no 6 723-730 N-D '63

POTASSIUM HALIDES

Cryoscopic investigation of complex formation in the systems $CdCl_2$ - KCl - H_2O, $CdCl_2$ - KBr - H_2O and $CdBr_2$ - KBr - H_2O I M Belousova, N K Pavlenko, A I Pozigun Nauch ezhegod Khim fak Od un no 2 15-22 '61

Electroconductivity method used in investigating complex formation in the systems $CdCl_2$ - KCl - H_2O and $CdCl_2$ - KBr - H_2O. A V Grubeva and others Nauch ezhegod Khim fak Od un no 2 7-12 '61

POTASSIUM IN THE BODY

Determination of the potassium content of fish tissues by the method of flame photometry N I Butanov Mat rybokhoz issl Sev bas no 1 59-62 '63

POTASSIUM IODIDE

Production of plastic vanadium G V Gaidukov, M G. Gaidukov, Izv Sib otd. AN SSSR no 7-29-36 '62

Reaction of tetrafluorohydrazine with potassium iodide aqueous solution. A.V.Pankratov and others. Zhur. neorg.khim. 9 no.6:1517-1519 Je '64

Study of simple extraction systems Report No 1: The system water - tributylphosphate - potassium iodide V A Mikhailov, A G Nazin Izv Sib otd AN SSSR no 9 54-64 '62

POTASSIUM NIOBATE CRYSTALS—GROWTH

Growing potassium niobate crystals from a solution in a potassium carbonate melt on seed crystals. V. A Timofeeva, V. Z. Bychkov Rost krist. 4:140-143 '64.

POTASSIUM PERMANGANATE

Oxidation of organic compounds by potassium permanganate and a volumetric determination of sulfur A A Abramian, R S. Sarkisian Izv AN Arm SSR, Khim nauki 16 no 2 131-135 '63

POTASSIUM PHOSPHATE CRYSTALS—GROWTH

Characteristics of the growth of potassium dihydrophosphate single crystals I V. Gavrilova, L. I. Kuznetsova. Rost krist 4 85-88 '64.

POTASSIUM SALTS see subdivision under Siberia

POTATO BEETLE see subdivision under Transcarpathia

POTATO HARVESTING MACHINERY

Studying the physical and mechanical properties of potatoes for the substantiation of the technology of harvesting by the pulling method with simultaneous digging V V Kozlov Trudy Kostr sel'khoz inst "Kar " no 3 242-254 '63

POTATO HARVESTING MACHINERY—ECONOMIC ASPECTS

One centner of potatoes in 30 minutes. N I Vereshchagin, A. N Pugachev, K A Pshechenkov Zemledelie 26 no 6 39-52 Je '64

POTATOES

Changes in the water economy of potatoes under the influence of chlorides. M. M. Hancharyk, S. H. Halaktsionau. Vestsi AN BSSR. Ser. bial. nav. no. 4:60-62 '62.

Dynamics of phosphorus compounds in the ontogenesis of the potato A. P. Shikina. Trudy Inst bot. AN Kazakh SSR 16:136-156 '63.

Exhibition and display of special items. A. N. Komissarova Inform biul. VDNKH no. 2:30-31 F '64.

High yields of potatoes in the steppe. A. V. Taran Zemledelie 26 no 6:53-54 Je '64.

Innovations in the storage, processing and transportation of vegetables and potatoes. A N Komissarova. Inform. biul VDNKH no. 8 20-21 Ag '63.

With minimum expenditure of labor and money. V. A Kiseleva Inform. biul. VDNKH no. 2:24 F '64

POTATOES—ANALYSIS

Exact determination of tabular data on the ascorbic acid content of potatoes I. L. Korotkov. Vop. pit. 22 no. 3: 85 My-Je '63.

POTATOES—DISEASES AND PESTS see subdivision under Moscow Province

POTATOES—FERTILIZERS AND MANURES

Fertilizers for potatoes in dark-gray podzolized soils A. M. Kopanitsa. Agrobiologiia no 1:41-45 Ja-F '64

POTATOES—MARKETING

Deductions in the settlement of payments for potatoes. A Gurevich. Zakup sel'khoz. prod no 1.44-45 Ja '64

POTATOES—VARIETIES see subdivision under Kostroma Province

POTATOES AS FEED

Use of potatoes in raising Kostroma dairy cattle A. A. Il'inskii Trudy Kostr sel'khoz inst "Kar " no 3 165-173 '63

POTENTIAL, THEORY OF

Approximate solution of the inverse logarithmic potential problem K N. Gur'ianova Mat zap Ural mat ob-va UrGU 4 no 2 28-37 '63.

Calculating the values of the second vertical potential derivative from the field of the first derivative O M Raspopov Izv AN SSSR. Ser geofiz no 8 1213-1220 Ag '64

Experimental study of the ion-optical properties of an electrostatic analyzer with a linearly distributed potential on deflecting electrodes. V.V.Zashkvara, M.I.Korsunskii. Zhur tekh. fiz. 34 no. 7:1285-1292 Jl '64.

POTENTIOMETRIC ANALYSIS

Mechanism of the formation of potential on a platinum electrode in the reduction of gold by sulfite B I Peshchevitskii, V P Kazakov Izv Sib otd AN SSSR no 9 65-70 '62

Potentiometric titration of heterocyclic nitrogen-containing compounds and their mixtures in a methyl ethyl ketone medium. A.P.Kreshkov, N.Sh.Aldarova. Zhur anal khim 19 no 5.537-540 '64

POTTERY, MOHAMMEDAN see subdivision under Kutkashen District

POTTERY, MOHAMMEDAN—MARKS see subdivision under Kutkashen District

POULENC, FRANCIS, 1899-1963

Live Poulenc F. Robert. Sov. muz 28 no 1 124-127 Ja '64

POULTRY

Enriching poultry meat with cobalt. S. Rotenberg, A. Kaventskii. Vop. pit. 23 no. 1:83-84 Ja-F '64.

Gromov, A. M. [Vegetative hybridization of poultry] Vegetativnaia gibridizatsiia ptits. Moskva, Izd-vo "Kolos," 1964. 141 p.
(DNAL)

POULTRY—FEEDING AND FEEDS

New antibiotics in poultry raising. O. A. Gavrilova. Trudy VIZH 25:174-186 '63

POULTRY INDUSTRY

Reduce the turnover of the stock of layers in poultry factories V Krylov, F Soinikov Ekon sel'khoz. 35 no. 6 100-102 Je '64

POWDER METALLURGY

Comparing the results of investigation of powder specimens by the methods of approximation and harmonic analysis. L. I. Gladkikh, O. G. Kuz'menko, M. IA. Fuks. Zav. lab 30 no. 6.712-716 '64.

Introduce ceramic metals on an extensive scale. S. IA. Ravicher. Inform. biul. VDNKH no 8 9-11 Ag '63.

Using compacted addition alloys in the production of low carbon steel with zirconium. E. V. Tret'iakov and others. Met. i gornorud. prom. no. 6:29-30 N-D '62.

POWDER METALLURGY—BIBLIOGRAPHY see Bibliography—Powder metallurgy

POWER ENGINEERING

Combustion of fuels under pressure and the prospects of using this technique in power engineering V. M Ivanov Teploenergetika 10 no. 12 52-56 D '63.

Equivalent circuits of a multiple unit system with automatic control according to individual and group parameters M. V Machinskii. Izv vys. ucheb. zav , energ 7 no. 6 120-122 Je '64.

A new textbook "Heat and Power Engineering " by A. P. Baskakov and others Reviewed by A A. Lisenkov. Teploenergetika 11 no 7 95-96 Jl '64

New trends in the development of high-voltage technology. G. N. Aleksandrov. Izv. vys. ucheb. zav., energ. 7 no. 7 1-6 Jl '64.

Problems of the development of nuclear power engineering and their relationship with ordinary thermal power engineering. T Kh Margulova Teploenergetika 10 no 12:6-7 D '63

Reply to V. M. Matiukhin's remarks Izv. vys. ucheb. zav., energ 7 no 6 122 Je '64

Results and prospects of the development of thermal power engineering. S. P. Goncharov. Teploenergetika 10 no. 12.2-5 D '63.

Results of a conference on mathematical modeling and use of electronic computers in power engineering. V. S. Shakhanov. Elek. sta. 35 no. 5:93-95 My '64.

Scientific and technical information should contribute to the solution of new problems in the construction of power systems. Energ. stroi. no. 33:3-6 '63.

Utilization of the maximum capacity of equipment. P Zimin Energ stroi no 33:87-88 '63.

POWER PLANTS

Methods of technical and economic calculations in power engineering. I. Mockus. Trudy AN Lit. SSR. Ser. B no. 1:209-213 '62.

POWER PRESSES

Bench press N A. Kuz'min Mashinostroitel' no 6:29 Je '64.

Pneumatic press. A. G. Lysov, G. Kh Tolstonogov. Mashinostroitel' no. 7:24 Jl '64.

Press with a mixing chamber for the molding of power plant fuel P. Z Shubeko, Z A Nabutovskii, G D. Gaevskaia Trudy IGI 20 76-85 '63.

POWER RESOURCES

Prospects of utilizing the fuel power resources of Siberia and Central Asia for supplying power to the European part of the U S. S. R N. N Krachkovskii Teploenergetika 10 no 12 10-14 D '63

POWER TRANSMISSION

Ermichev, V. A. [Methodological manual for calculating mechanical transmissions for machinery; for correspondence students] Metodicheskoe posobie po raschetu mekhanicheskikh peredach v mashinakh dlia studentov-zaochnikov. Perm', Permskii sel'khoz. in-t im. D. N. Prianishnikova, 1963. 109 p.

PRACTICE OF LAW see subdivision under Kirghizistan

PRAGUE—LIBRARY CONFERENCES

Combine efforts. V. Artisevich, G. Molendorf. Bibliotekar' no 8 57-59 Ag '64

PRAGUE—THEATER

"War against salamanders." Teatr 24 no 12:130-1[illegible] D '63

PRASEODYMIUM SELENIDE

Interaction of the selenides of A_2^{III} and B_3^{VI} praseodymium and gallium. I. O Nasibov, Z. Sh. Karaev. Azerb. khim. zhur. no. 5:105-111 '63.

PRECAST CONCRETE

Mironov, S. A., and others. [Methods for the rapid heat treatment of concrete and prospects for using them in the production of precast concrete] Metody kratkovremennoi teplovoi obrabotki betona i perspektivy ikh primeneniia pri proizvodstve sbornogo zhelezobetona. Moskva, Stroiizdat, 1964. 117 p.

PRECAST CONCRETE CONSTRUCTION
(see also subdivision under Ukraine)

Continuous line techniques for manufacturing long units of reinforced concrete structures A. K. Posadskii, G. A. Sadovnikov. Energ. stroi. no 33:20-26 '63

Mechanization of the assembly of precast elements for apartment houses with the help of jigs. A. N. Kreindlin. Mekh. stroi. 20 no. 7:1-4 Jl '63.

Qualities of precast reinforced concrete roofs of multistory apartment buildings. E. P. Levitan. Sbor. nauch. rab. AKKH no. 16:15-28 '62.

Use of prefabricated concrete structures for the foundation of 100 Mw. turbogenerators. S. I. Krest'ianinov Energ. stroi. no. 33:26-32 '63.

PRECIPITATION (CHEMISTRY)

Coprecipitation of iodate and periodate ions with ferric hydroxide. A. I. Novikov, E. I. Finkel'shtein. Zhur. anal. khim. 19 no. 5:541-544 '64.

Effect of chemical precipitations in the filtration zone of wells on their capacity. V. M. Belinkov. Trudy Lab. inzh. gidrogeol. VODGEO no. 5:63-64 '63.

Isolation of molybdenum compounds from strong acid solutions containing iron and calcium. G. M. Airapetian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:581-587 '63.

Study of the precipitation and adsorption series of [illegible] on various carriers and adsorbents. M. S. [illegible] N. O. Vartapetova. Dop. AN URSR no. 8:1088-1091 '64

Trilonometric determination of copper and nickel with the help of fumaric acid-pyridine precipitator. A. S Aleksandrovich-Mel'nikova, T. S. Zhigalkina Trudy Astr. tekh. inst. ryb. prom. i khoz. no. 8:89-96 '62

PRECIPITATION (METEOROLOGY)

Method for long-range forecasting of precipitation for the spring and the beginning of the summer. D. A. Drogaitsev. Trudy TSIP no. 135:22-43 '64.

Possible error in the measurement of precipitation V. G. Khodakov. Meteor. i gidrol. no 6.51-52 Je '64

PRECISION CASTING

Gilev, V. S., and I. A. Osin. [Molding of small castings] Formovka melkikh otlivok. Pod red. L. M. Volpianskogo Moskva, Mashgiz, 1964. 37 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika, no. 6)
(MICROFILM)

PRECISION CASTING—EQUIPMENT AND SUPPLIES

Peat bitumen in a model composition without stearin. A. F. Tkach. Torf. prom. 41 no. 1:25-26 '64.

PREDICATES, CALCULUS OF see Calculus of predicates

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNANCY

Dynamics of the change in the content of γ - globulins in the process of immunization of pregnant women with staphylococcal sorbed anatoxin. E.P.Fenina. Akush i gin. 40 no.1:36-39 Ja-F '64.

Phagocyte reaction in pregnant women and puerperants immunized with staphylococcal anatoxin. N.G.Koshe-leva. Akush.i gin. 40 no.1:32-35 Ja-F '64.

PREGNANCY, COMPLICATIONS OF

Blood proteins and γ - globulin therapy in pregnant women with late toxemias. A.M.Shevchenko. Akush. i gin. 40 no.1:54-59 Ja-F '64.

Cancer of the vulva and pregnancy. S.M.TSvet, IA.V. Bokhman. Akush.i gin. 40 no.1:144-145 Ja-F '64.

Characteristics of the contractile activity of the uterus in multiple pregnancy. V A Tiuvaeva. Akush.i gin 39 no.5:8-13 S-O '63.

Chorioepithelioma of the uterus in pregnancy. M.A. Bul'ina. Akush.i gin. 40 no.1:143-144 Ja-F '64.

Content of free and bound vitamin B_6 in blood of the umbilical cord in normal and complicated pregnancy and labor. V.K.Zubovich. Akush.i gin. 39 no 5:44-47 S-O '63

Determination of blood proteins in late pregnancy toxemias by conjugated stereoimmunoelectrophoresis. S.S.Vasileiskii, I.P.Ivanov. Akush.i gin. 40 no.1:48-52 Ja-F '64.

Diagnostic significance of changes in the reaction of methylene blue discoloration in the treatment of late pregnancy toxemias. A.P.Mironenko. Akush.i gin. 40 no.1:136-137 Ja-F '64.

Effect of pathogenic factors on permeability of the placenta for staphylococci. V.I.Bodiazhina, V.G. Kurdiukova. Akush.i gin. 40 no.1:8-13 Ja-F '64.

Effect of pregnancy on the course of lymphogranulomatosis. M.M.Nivinskaia, M.S.Starichkov. Vop.onk. 9 no.6:31-34 '63.

Hypotension as a symptom of pregnancy toxemia. I.I. Benediktov, L.S.Galeeva. Akush.i gin. 40 no.1:75-80 Ja-F '64.

Oxyhemometric method of determining the activity of the course of oxidation-reduction processes in late pregnancy toxemias. N.F.Mil'chenko. Akush.i gin. 40 no.1:59-63 Ja-F '64.

Proteins in the blood serum in pregnancy toxicoses. S.M.Niiazova. Akush.i gin. 39 no.5:38-42 S-O '63.

Proteins in the placenta and blood serum in women with late pregnancy toxicoses. E.L.Rybalko. Akush.i gin. 39 no.5:32-38 S-O '63.

Some characteristics of the blood coagulation system in Botkin's disease during pregnancy. N.N.Elizarov Akush.i gin. 39 no.5:61-65 S-O '63

Spontaneous ruptures of the uterus during pregnancy. V.V.Mashin, G.P.Lykov. Akush.i gin. 39 no.5:144-146 S-O '63.

State of the blood coagulation system in pregnant women with nephropathies. L.A.Parshina. Akush.i gin. 39 no.5:56-60 S-O '63.

Use of pulsating electrical current (electrosleep) in the treatment of pregnancy toxemias. M.D.Pasternak. Akush.i gin. 40 no.1:69-74 Ja-F '64.

PREGNANCY, EXTRAUTERINE
(see also subdivision under Anan'yevo District)

Incipient interstitial extrauterine pregnancy. V.IA. Rubinshtein, L.V.Ananich. Akush.i gin 39 no.5:148-149 S-O '63.

Pregnancy in the rudimentary horn of the uterus. K.Kh. Khakimova. Akush.i gin. 40 no.1:139-140 Ja-F '64.

Primary abdominal pregnancy in a patient with tuberculous spondylitis. E.N.Kalinovskaia, V.V. Bulanov. Akush.i gin. 39 no.5:147-148 S-O '63.

Surgical treatment of cervical pregnancy with the aid of vaginal cervicotomy and hemostasis. G.Matracaru. Akush.i gin. 39 no.5:129-131 S-O '63.

PREGNANCY, PROTRACTED

Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P. E.L.Lerner. Akush.i gin. 39 no.5:47-51 S-O '63.

Therapeutic effect of anodic galvanization of the brain in prolonged pregnancy. L.L.Levinson, S.N.Davydov. Akush.i gin. 39 no.5:13-21 S-O '63.

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING—HANDBOOKS, MANUALS, ETC.

Review of N.S.Shvarsalon's book "Manual for practical work in prescription writing." N.S.Dumka. Farm.i toks. 26 no.5:634-635 S-O '63.

PRESS see subdivision under Japan

PRESS AND PROPAGANDA see subdivision under Ukraine

PRESSING OF GARMENTS—EQUIPMENT AND SUPPLIES

Improving the quality of the temperature regulation of the working surfaces of the ironing press pads. A.S. Ruzhentsev, A.G.Shelud'ko. Shvein.prom. no.2:4-6 Mr-Ap '64.

Parameters of the technological steam for the moistening of fabrics during pressing. L.D.Diablova. Shvein. prom. no.2:7-9 Mr-Ap '64.

PRESSURE

Change in the hydrodynamic pressure at the well bottom on hoisting a drilling tool. M K Seid-Rza, S.A Nazirov, N K.Kerimov. Azerb.neft.khoz. 43 no.3: 12-15 Mr '64

Extinguishing pressure surges in the pipelines of compressor machinery A A Kozobkov, S A Khachaturian Izv vys ucheb zav , neft' i gaz 5 no 10:83-88 '62

PRESSURE GAUGES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, and gas tests, installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii i prob na gaz; sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4913-63—MN 4926-63). Moskva, Izd-vo standartov. (SSSR. Normali mashinostroeniia)
Pt.2. [For aggressive media] Dlia agressivnykh sred. 1964. 43 p.

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, temperatures and gas tests, installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii, temperatury i prob na gaz, sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4828-63—MN 4887-63). Moskva, Izd-vo standartov (SSSR. Normali mashinostroeniia)
Pt.1. [For nonaggressive media] Dlia neagressivnykh sred. 1964. 156 p.

PRESSURE VESSELS

Russia (1917- R.S.F.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for assembling high-pressure equipment, for P from 100 to 700 kgf/cm^2. Approved by the R.S.F.S.R. State Committee for Construction July 22, 1963] Ukazaniia po montazhu apparatov vysokogo davleniia P ot 100 do 700 kgs/cm^2 (RSN 20-63) Utverzhdeny Gosudarstvennym komitetom Soveta Ministrov RSFSR po delam stroitel'stva 22 iiulia 1963 g. Moskva, Stroiizdat, 1964. 52 p.

PRESSURE VESSELS—MAINTENANCE AND REPAIR

Eccentric key. Z.Sh.Shirgaleev. Mash.i neft.obor. no.4:34 '63.

PRESTRESSED CONCRETE

Crack resistance analysis of prestressed reinforced concrete elements subjected to bending. M.Jankauskas, A.Kalinauskas. Trudy AN Lit. SSR Ser.B no.1: 235-242 '62.

Crack resistance analysis of prestressed reinforced concrete elements subjected to bending. M.Jankauskas. Trudy AN Lit. SSR. Ser.B no.1:229-234 '62.

PRESTRESSED CONCRETE CONSTRUCTION

Manufacture of prestressed reinforced concrete crane beams. M.Volitskaia. Energ.stroi. no.33:82-84 '64.

PRESUMPTIONS (LAW)

Malkhazov, I.I. [Important safeguard of socialist justice] Vazhnaia garantiia sotsialisticheskogo pravosudiia. Rostov-na-Donu, Rostovskii-na-Donu gos. univ., 1961. 51 p.
[MICROFILM]

PREVENTIVE MEDICINE see Medicine, Preventive

PRIKHID'KO, POLINA LEONT'EVNA, 1898-

Polina Leont'evna Prikhid'ko; on her 65th birthday. Uzb.geol.zhur. 7 no.6:105 '63.

PRIMORSKO-AKHTARSK REGION (KRASNODAR TERRITORY)—PIKE PERCH

State of the food supply and feeding habits of young pike perch and roach (Rutilus rutilus heckeli) on the Akhtari Spawning and Rearing Farm. A.G.Krylova. Trudy AzNIIRKH no.6:133-142 '63.

PRIMORSKO-AKHTARSK REGION (KRASNODAR TERRITORY)—ROACH (FISH)

State of the food supply and feeding habits of young pike perch and roach (Rutilus rutilus heckeli) on the Akhtari Spawning and Rearing Farm. A.G.Krylova. Trudy AzNIIRKH no.6:133-142 '63

PRINTING

Kriuchkova, L.I., and L.I.Sulakova. [Printing layers based on diazo compounds; review of the Soviet and foreign literature] Kopiroval'nye sloi na diazosoedineniiakh; obzor otechestvennoi i inostrannoi literatury. Pod red. E.A.Nikanchikovoi. Moskva, Vses. nauchno-issl.in-t poligraficheskoi promyshl., 1963. 27 p.

PRINTING—HISTORY

About the text of the "Apostle" printed in Moscow in 1564. Zhur.Mosk.Patr no.6:77-78 '64.

Quadricentennial of the Russian printed "Apostle" (Conclusion). N.Ivanov. Zhur.Mosk.Patr. no.6. 68-77 '64.

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the woodpulp, paper, and printing industry] Ref.zhur.: Tekh.i obor.tsel.-bum.i poligr.proizv. nos.7-8 Jl-Ag '64.

PRINTING INDUSTRY—STYLE MANUALS

Gor'kova, V.I., and T.V.Muraniyskii. [Handbook for documentation and editing of scientific and technical literature, a manual for editors, abstractors and proofreaders] Posobie po referirovaniiu i redaktirovaniiu nauchno-tekhnicheskoi literatury, spravochnik dlia redaktorov, referentov i korrektorov. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1964. 267 p.

PRINTING MACHINERY AND SUPPLIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [The state and development of printing machinery manufacture in the U.S.S.R., principal technical and economic indices] Sostoianie i razvitie poligraficheskogo mashinostroeniia v SSSR, osnovnye tekhniko-ekonomicheskie pokazateli. Moskva, 1963. 24 p.

PRINTING MACHINERY AND SUPPLIES—DESIGN AND CONSTRUCTION

Pergament, D.A. [Method for the experimental investigation of mechanical processes (based on the example of sawing double blocks); manual for the course on the "Design of printing equipment"] Metodika eksperimental'nogo issledovaniia mekhanicheskikh protsessov (na primere raspilivaniia blokov-dvoinikov), uchebnoe posobie po kursu "Proektirovanie poligraficheskikh mashin." Moskva, Mosk. poligr. in-t, 1962. 28 p.

PRINTING PLATES

Egorova, N.P. [Tin plating; a lecture in the "Galvanizing" course for students in courses 3 to 5 of the technological department of the correspondence and non-correspondence section] Luzhenie; lektsiia po kursu "Gal'vanotekhnika" dlia studentov 3-5 kursov tekhnologicheskogo fakul'teta ochnogo i zaochnogo otdelenii. Moskva, Mosk.poligraficheskii in-t, 1962. 8 p.
[MICROFILM]

PRIPET VALLEY—OIL FIELD BRINES

Distribution of radioactive elements in the formation waters of the Pripet fault V.A Filonov, I.A Bakshtaeva Dokl.AN BSSR 8 no 2:120-123 F '64

PRIPET VALLEY—RADIOACTIVE SUBSTANCES

Distribution of radioactive elements in the formation waters of the Pripet fault. V.A Filonov, I A Bakshtaeva. Dokl.AN BSSR 8 no.2:120-123 F '64

PRISONS—LAWS AND REGULATIONS
(see also subdivision under Leningrad)

Qualifying criteria of acts disrupting the performance of correctional labor institutions. V.A.Vladimirov, A.P. Romanov. Sov.gos.i pravo 34 no.7:143-148 Jl '64.

PRITSKER, DAVID ABRAMOVICH, 1902-

Zaborskii, V.V. [David Abramovich Pritsker; a sketch of his life and works] David Abramovich Pritsker; ocherk zhizni i tvorchestva. Leningrad, "Muzyka," 1964. 75 p. illus.

PROBABILITIES

Derivation of an equation describing the prediction and smoothing of processes. G.N.Mil'shtein. Mat.zap. Ural.mat.ob-va UrGU 4 no.2:91-94 '63

Determining the parameters of the distribution curves by three reference points (quantiles), testing the straightening of the curves on the corresponding graphs. G A.Alekseev. Meteor.i gidrol no.6 18-26 Je '64.

Some theorems on probability search in a determinate field. B.P.Kharlamov. Vest.LGU 19 no.13:69-74 '64.

Statistical theory of multicomponent systems. L.A.Rott. Ukr.fiz.zhur. 9 no.4:354-360 Ap '64.

Using the theory of probabilities in calculating the internal gas pipelines of residences. B.M.Krasovskii. Gaz.prom. 9 no.6:25-27 '64.

PROBLEM OF THREE BODIES

Evaluations of the region of convergence of the series representing a periodic solution of the satellitic three-body problem. M S.Petrovskaia. Biul Inst.teor. astron 8 no.10:733-771 '62

PRODUCE TRADE
(see also subdivision under Lyubertsy region, Moscow Province)

The documents ought to be simpler V.Murashko. Zakup.sel'khoz.prod. no 1:55 Ja '64.

The party and government control in action. Zakup.sel'khoz.prod no.1:52-53 Ja '64.

Prickly lines. P.Aleksandrov and others. Zakup.sel'khoz.prod. no.1:59-60 Ja '64

Save every ruble, take into account every kilogram. M.Vinogradova Zakup.sel'khoz.prod. no.1:33-34 Ja '64.

These are our goods. V.Klykov Zakup.sel'khoz.prod. no.1,34-36 Ja '64

The year 1964. A.N.Platonov. Zakup.sel'khoz.prod. no.1:4-6 Ja '64.

With the participation of large masses. P.Raktlin. Zakup.sel'khoz prod no.1:14-15 Ja '64

PRODUCTION ENGINEERING
(see also subdivision under Penza)

[illegible] G [illegible] 7,12-14 Jl '64

[illegible] of automatic lines. I. IA [illegible] no 6 17-19 [illegible]

[illegible] of articles [illegible] 7,7-[illegible] Jl [illegible]

Increasing economic efficiency of automatic production lines. O I Volkov. Mekh i avtom proizv 18 no 1 34-37 Ja '64

Maizel, M. M. [Fundamentals of the automation of production processes in light industry] Osnovy avtomatizatsii proizvodstvennykh protsessov v legkoi promyshlennosti. Moskva, Izd-vo "Mashinostroenie," 1964 322 p.

[illegible] areas and labor production [illegible] Plan khoz [illegible] 70-80 Ag [illegible]

Overall automation of the chain-roller manufacturing area B P. Doris Mekh i avtom proizv 18 no 1 1-2 Ja '64

[illegible] of production processes V I [illegible] Mashinostroitel' no 7 43 Jl '64.

Samborskii, G. I., and V. I. Fomichev. [Use of synthetic materials in industry] Sinteticheskie materialy - v promyshlennost'. Moskva, Izd-vo "Znanie," 1964, 31 p. (Novoe v zhizni, nauke, tekhnike III Seriia Ekonomika, no 15)

[illegible] of a flawless manufacture of articles forms the [illegible] of the modern organization of production I. IA. Burlgal'ter. Mashinostroitel' no 7,2-5 Jl '64

PRODUCTION STANDARDS
(see also subdivision under Leningrad, Leningrad Economic region)

Bugrov, A. P., I. A. Karpenko, and B. E. IUsufovich. [For progressive work norms] Za normy truda, zovushchie vpered. Moskva, Izd-vo "Znanie," 1964 76 p (Narodnyi universitet kul'tury Tekhniko-ekonomicheskii fakul'tet, no. 7)

PRODUCTS—BIBLIOGRAPHY see Bibliography—Products

PRODUCTS, INFINITE

Nonlinear transformations of certain classes of sequences (products) K M Slepenchuk Izv vys ucheb zav, mat no 2 144-151 '64

PROFIT

The editor of the journal replies to its readers. Sov. profsoiuzy 20 no 16 45 Ag '64

PROGRAMMED INSTRUCTION

Main trends of programmed instruction abroad. D.Klaus. Rad.shk 42 no.4 56-62 Ap '64

PROGRAMMING (ELECTRONIC COMPUTERS)

Algorithm for minimizing microprogram networks. L.V.Matsevityi Izv.AN SSSR.Tekh.kib. no.1:9-19 Ja-F '64.

Algorithms of the calculation of intercorrelated and autocorrelated functions and spectral density of electronic computers P V Pushkareva Nauch trudy SibVIM no 1 84-92 '63

Bazilevich, V. L., and L. V. Bazilevich. [Command system and programming for the BESM-2 computers] Sistema komand i programmirovanie dlia BESM-2. Leningrad, Izd-vo "Sudostroitel'stvo," 1964. 341 p.

IUshchenko, IU. L., and others. [The "Dnipro" control computer with a wide range of applications and its programming programm, programmer's manual] Upravliaiushchaia mashina shirokogo naznacheniia "Dnipro" i programmiruiushchaia programma k nei, spravochnik programmista. Kiev, Izd-vo "Naukova dumka," 1964 279 p

Methods of calculating the needs of collective and state farms for machinery using electronic computers. P. V Pushkareva L F Shkredova Nauch trudy SibVIM no 1 93-99 '63

Programming program for a digital computer with "ALGOL" language. A.N.Baluev and others. Vych. tekh.i vop.prog. no.2:105-115 '63.

R.K.Bose-D K.Roy-Choudhuri codes and their implementation G.A.Garakov. Izv.AN Arm SSR.Ser.fiz.-mat nauk 16 no.6:25-40 '63

Use of a computer in solving a direct problem in gravity prospecting E G Bulakh S.V Konstantinov. Izv AN SSSR Ser geofiz no 8 1221-1222 Ag '64

Use of the abstract theory of automata in minimizing microprograms. V.M.Glushkov. Izv.AN SSSR.Tekh. kib. no.1:3-8 Ja-F '64.

Zhogolev, E. A., and N. P. Trifonov. [A course in programming] Kurs programmirovaniia. Moskva, Izd-vo "Nauka," 1964. 386 p.

PROGRAMMING (MATHEMATICS)

Optimal functional equations of dynamic programming related to the new class of boundary value problems with "total derivatives." D.Mangeron. Soob.AN Gruz. SSR 33 no.3.521-528 Mr '64.

Sufficiency of the principle of the maximum for the linear problem of dynamic programming. IU P. Krivenkov. Dokl.AN SSSR 156 no.6.1277-1280 Je '64.

PROGRAMMING (MATHEMATICS)—STUDY AND TEACHING

Teaching the course "Theory of mathematical machines and the fundamentals of programming" in eleven-year schools with production training Report No. 3. Organization of the educational process and teaching methods. V M. Monakhov. Izv APN no.129.23-28 '63.

PROJECT METHOD IN TEACHING

Realistic diploma projects and the training of specialists. M.I.Eretskii. Sred.spets.obr. 11 no.6:42-46 Je '64.

PROJECTIVE GEOMETRY see Geometry, Projective

PROJECTORS

Apparatus for the projection of the educational process. IU.P.Znamenskii. Sred.spets.obr. 11 no.6:21-24 Je '64.

PROMETHIUM ISOTOPES—THERAPEUTIC USE

Radioactive cerium (Ce^{144}), cesium (Cs^{137}), promethium (Pm^{147}) and their therapeutic effect. A.IA.Prakapchuk and others. Vestsi AN BSSR.Ser.biial.nav. no.4:84-90 '62.

PROOFREADING

Gor'kova, V. I., and T. V. Muravitskii. [Handbook for documentation and editing of scientific and technical literature; a manual for editors, abstractors and proofreaders] Posobie po referirovaniiu i redaktirovaniiu nauchno-tekhnicheskoi literatury, spravochnik dlia redaktorov, referentov i korrektorov. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1964. 267 p.

PROPANE

Catalytic effect of metals on coking in the pyrolysis of propane. I.M.Starshov, G.P.Syrmolaeva. Nefteper. i neftekhim. no.2:26-29 '64.

PROPANESULFONIC ACID

Amperometric titration of gold by an unithiol solution. O.A.Songina, Kh.K.Ospanov, Z.B.Rozhdestvenskaia Zav lab. 30 no.6.664-667 '64.

PROPELLERS

Karpovich, V. A. [Diesel engine plants with controllable pitch propellers] Dizel'nye ustanovki s vintami reguliruemogo shaga. Leningrad, "Sudostroenie," 1964. 203 p.

PROPENE

Kinetics of isobutylene oxidation to methylacrolein on a copper catalyst. L.P.Shapovalova, IA.B.Gorokhovatskii, M.IA.Rubanik. Kin.i kat. 5 no.2.330-336 Mr-Ap '64.

Solubility of allyl chloride in water and in aqueous solutions of HCl. IU.A.Treger, R.M.Flid, S.S.Spektor. Zhur.fiz.khim. 38 no.2.478-481 F '64.

Surface properties of a catalyst for oxidizing ammonolysis of propylene. S.S.Stroeva and others. Kin.i kat. 5 no.2:355-356 Mr-Ap '64.

Synthesis of isoprene from propylene. 3. Composition of propylene dimerization products. V.Sh.Fel'dblium and others. Neftekhimiia 4 no.2.257-261 Mr-Ap '64.

PROPENE, EFFECT OF RADIATION ON

Mechanism of polyisobutylene radiolysis. E.N.Teleshov, A.N.Pravednikov, S.S.Medvedev. Dokl.AN SSSR 156 no.6.1395-1398 Je '64.

PROPIONIC ACID

Chloromethylation of esters of phenoxyacetic and β-(phenoxy)-propionic acids. A.A.Aroian, V.V.Darbinian. Izv.AN Arm.SSR.Khim.nauki 16 no.1:59-67 '63.

Production of propionic acid at the Asha wood-chemical combine. A G.Tarasova, A.IA.Kalugina. Gidroliz.i lesokhim.prom. 17 no 3:24-25 '64.

PROPIONITRILE

Cyanoethylation with β-chloropropionitrile. G.I.Denis, S.I.Jonaitis, P.F.Bruckus. Zhur.ob.khim. 34 no.7:2477-2478 Jl '64.

PROPYLAMINE

2,3-Dimercaptopropylamine and its derivatives. Part 2: Synthesis of N-N-dialkyl-2,3-di(alkylthio)propylamines. A.G.Tarasenko, V.M Fedoseev, A.B.Silaev. Zhur. ob.khim. 34 no.7:2366-2369 Jl '64.

PROPYNE—ABSORPTION SPECTRA

Ultraviolet absorption spectra of dipropargyl ether and ester solutions. L.P.Larina, A.M Sladkov, A.G. Makhsumov. Izv AN SSSR.Ser.khim. no.7:1349-1352 Jl '64.

PROSPECTING
(see also subdivision under Kuznetsk Alatau)

Business accounting in drilling brigades; in order of discussion. V.I.Sergeev. Razved.i okh.nedr 30 no.2:58-59 F '64.

Consultation on the problems of labor legislation, wages, and cooperative housing. Razved.i okh.nedr 30 no.2: 59-61 F '64.

Efficiency of geological prospecting operations. E.O. Pogrebitskii. Razved.i okh.nedr 30 no.2:16-20 F '64.

From brigades and shock workers to collectives of communist labor. M.D.Bronshtein, S.I.Sanatov. Razved.i okh.nedr 30 no.2:56-58 F '64.

Krasnikov, V. I. [Geological prerequisites for prospecting for uranium deposits] Geologicheskie predposylki poiskov mestorozhdenii urana. Moskva, Atomizdat, 1964. 186 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet. [Instruction on the processing of topographic and geodesic works in geological surveying and prospecting] Instruktsiia po proizvodstvu topografo-geodezicheskikh rabot pri geologicheskoi s"emke i razvedke. Moskva, Izd-vo "Nedra," 1964. 211 p.

Zhukova, N. G., V. I. Mamchinskii, and K. A. Ponomarev [Prospectors for minerals—prospectors of the future, a story of the Nikolaevskaia geological prospecting crew] Razvedchiki nedr - razvedchiki budushchego, rasskaz o Nikolaevskoi geologorazvedochnoi partii Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 30 p.

[MICROFILM]

PROSPECTING—EQUIPMENT AND SUPPLIES

Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. [OGKh-6A heating unit; geological prospecting equipment and devices] Otopitel'naia ustanovka OGKh-6A; geologorazvedochnoe oborudovanie i pribory. [n.p.] Gosgeoltekhizdat, 1963. 3 p.

[MICROFILM]

PROSPECTING—GEOPHYSICAL METHODS
(see also subdivision under Caucasus, Northern; Kama-Kinel Depression; Volga-Ural region; West Siberian Plain)

(Methodological instructions on the use of radiometric methods of searching and prospecting for ores of non radioactive elements and for geologic mapping] Metod. ukaz.po prim.radiometr.metod.dlia poisk.i razved. rud.nerad.elem.i geol.kart. no.1 '63.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut geofizicheskikh metodov razvedki. [Album of transparent graph paper sheets on electric sounding for sections with vertical inclines and horizontal and vertical contacts] Al'bom paletok elektricheskogo zondirovaniia dlia razrezov s vertikal'nymi, naklonnymi i gorizontal'no-vertikal'nymi kontaktami (VK, NK i GVK). Moskva, 1963. 1v.

[MICROFILM]

PROSPECTING—TECHNOLOGICAL INNOVATIONS

[Suggestions and innovators of the Department of Scientific and Technical Information of the All-Union Scientific Research Institute of Mineral Resources] Sbor.rats. predl.Otd.nauch.-tekh.inform.VIMSa nos.9-10 '63

PROSTATE GLAND—TUMORS

Analysis of mortality in adenoma of the prostatic gland. V.N.Alandarov. Urologiia no.1:25-29 '64.

PROSTHESIS
(see also subdivision under Moscow)

These are not trifles. D.Durnev. Sots.obesp 24 no.12:40 D '63.

PROTACTINIUM

State of protactinium in nitric acid solutions. Vikt I.Spitseyn, R.A D'iachkova, V.P.Khlebnikov. Dokl AN SSSR 157 no.1:135-138 Jl '64.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Accelerate the production of pipe with metallic and nonmetallic coatings. I.A Doroshev. Metallurg 9 no 7 25 Jl '64.

Anticorrosive and decorative coating of pipes with plastics. G.A.Malyshev, A.N.Ezerskii. Plast.massy no.2:71-72 '64.

Device for measuring the thickness of nonmagnetic protective coatings on ITP-62 petroleum equipment M A Aliev, IU A.Meshcheriakov. Izv.vys.ucheb.zav., neft' i gaz 5 no.10:95-96 '62

General meeting of the Physicochemical and Technology Section of Inorganic Materials at the Academy of Sciences of the U.S.S.R. V.G.Lebedev. Izv.AN SSSR. Met.i gor.delo no.2:192 Mr-Ap '64.

High-frequency drying of a pipeline prior to insulation on overhauling. V.B.Galeev. Transp.i khran.nefti i nefteprod. no.6:15-18 '64.

Increasing the abrasive resistance of enamel coatings H.I.Bitiaev, S M.Ponomarchuk Khim prom [Ukr.] no.3:30-32 Jl-S '63.

Instrument for checking the thickness of insulation in a gas pipeline. V.P.Sedov. Gaz.prom. 8 no.6:36-40 '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii [illegible] [New [illegible] in the [illegible] ologiia [illegible]

[MICROFILM]

PROTECTIVE COATINGS (Continued)

Practicability of using liquid preservative oils for protecting ship equipment. I. I. Gerasimov and others. Khim. i tekh. topl. i masel 9 no. 4:36-39 Ap '64.

Protective coating of steel pipes V. S. Salukavadze, B. V. Kondrat'ev, B. N. Plastinin Stal' 23 no 4:340-342 Ap '64

Protective covering for machine parts to increase their wear resistance. F. M. Chernyshev Mash i neft. obor no. 2:34-36 '63.

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pipeline parts lined with polyethylene and vinyl plastic resistant to $P_{nominal}$ of 10 and 16 kgf/cm^2] Detali truboprovodov, futerovannykh polietilenom i viniplastom na $P_u = 10$ i 16 kgs/cm^2 (MN 5030-63—MN 5053-63). Moskva, Izd-vo standartov, 1964. 55 p. (SSSR. Normali mashinostroeniia)

Using a flame screen in a furnace for heating pipes. V. IA. Smorodinov, V. V. Popov. Gaz. prom 8 no. 6:24-26 '63.

Using paint and varnish coatings to prevent paraffin sedimentation in gathering-system pipes. V. A. Rasskazov, R. IA Nugaev. Nefteprom delo no. 7:29-31 '64.

Zemskov, P. I., E. N. IAkushina, and E. N. Kharchenko. [Materials and coatings for the piston rings of motor-vehicle and tractor engines] Materialy i pokrytiia porshnevykh kolets avtotraktornykh dvigatelei. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 129 p.

PROTEIN METABOLISM

Changes in some indices of the protein function of the liver under the effect of splenin. V. N. Zgrzheblovs'ka, A. A. Blavdzevych. Fiziol. zhur. 10 no. 1:121-122 '64.

Data on the mechanism of protein synthesis in liver microsomes and transplanted tumors in rats. S. IA. Davydova, G. A. Drozdova. Vop. med. khim. 9 no. 2:161-167 Mr-Ap '63.

Decomposition of tissue proteins in burns. T. L. Zaets, T. D. Guliamov, B. I. Lektorskii. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:44-48 O '63.

Determination of the proteolytic activity of pepsin and trypsin by a rapid microchemical method. A. A. Pokrovskii, L. M. Bogdanova. Lab. delo no. 7:411-414 '64.

Disorders of glutamine synthesis and amidation of brain proteins in vitamin C deficiency. I. M. Zalesskaia, E. E. Martinson, L. I. Tiakhepyl'd. Vop. pit. 23 no. 1:17-21 Ja-F '64.

Effect of vitamin C on the synthesis of glutamine and amidization of proteins in the brain. IU. M. Zalesskaia, E. E. Martinson, L. IA. Tiakhepyl'd. Vop. pit. 22 no. 3:60-64 My-Je '63.

PROTEINS

Application of bromophenol blue for quantitative histochemical determination of proteins. Report No. 2: Cause of varied staining affinity in corn root tip cells of various ages. V. B. Ivanov. TSitologiia 5 no. 4:470-473 Jl-Ag '63.

Change in the protein content of milk within a breed. K. V. Markova. Trudy VIZH 26:130-147 '63.

Change of milk protein fractions in the course of lactation. IU. I. Raetskaia. Trudy VIZH 26:132-138 '63.

Comparative characteristics of the stability of colloidal solutions of some animal proteins. F. S. Okolov, S. Kh. Nikolov. Nauch. trudy Kub gos. med. inst 19:97-104 '62.

Effect of a varying content of protein and vitamins in the diet on the susceptibility of white rats to plague infection. G. G. Korobkov, I. F. Tereshchenko, V. I. Rykova. Vop. pit. 22 no. 3:36-40 My-Je '63.

Effect of proteolytic enzymes on fish proteins in the presence of antiseptics. G. K. Koval'chuk. Trudy Azcherniro no 21 53-60 '63.

Enzymatic reduction of disulfide bonds in proteins and low-molecular substances of wheat flour. N. I. Proskuriakov, E. S. Zueva. Dokl. AN SSSR 158 no. 1:232-234 S-O '64.

Human protein requirements during performance of work. IA. Gontsia, P. Sutescu, D. Dumitrache. Vop. pit. 22 no. 3:3-8 My-Je '63.

Nature of the polarographic wave of cobalt in the presence of protein substances G. T. Voronov, I. D. Ivanov, E. E. Rakhleeva. Dokl. AN SSSR 157 no. 1 104-107 Jl '64.

Physicochemical mechanisms of protein and polypeptide denaturation in relation to the problem of paranecrosis. V. P. Kushner. TSitologiia 5 no. 4:370-390 Jl-Ag '63.

Properties of SH- and S-S groups and causes of changed reactivity of these groups in proteins. IU. M. Torchinskii. Usp. sovr. biol. 55 no. 2:161-181 Mr-Ap '63.

Protein and phosphatide composition of creamery butter made with the Meleshin method. P. F. D'iachenko, A. G. Godel'. Sbor. ref. nauch. rab. VNIMP no. 1:18-20 '55.

Protein fractions in the human placenta; immunoelectrophoretic study. D. Mazhnai. Akush. i gin. 39 no. 5:26-32 S-O '63.

Protein requirements of high-yielding cows. I. S. Popov and others. Izv. TSKHA no. 6:191-202 '63.

Role of protein synthesis in the alternation of respiratory systems in discs prepared from potato tubers. IU. G. Molotkovskii, V. F. Kashuro. Dokl AN SSSR 158 no. 1 239-241 S-O '64.

Use of acrylonitrile for blocking the sulphydryl groups of proteins. E. D Levin, V. M. Stepanov Zhur ob. khim. 34 no 7:2468 Jl '64

PROTEINS IN THE BODY

Electrophoresis of sarcoplasmic proteins in the rabbit myocardium under normal conditions and in experimental diphtheria intoxication. E. A. Mishukova, L. G. Ter-Sakisian Vop. med. khim. 9 no. 2 204-206 Mr-Ap '63.

Proteins and mucoproteins of the gastric juice in various forms of chronic gastritis IE L Revuts'kyi, F. M Eidel'man, D. D Semenchuk Fiziol. zhur [Ukr] 9 no. 6 775-780 N-D '63

Proteins, lipoproteins and glycoproteins in the cerebrospinal fluid of patients with hydrocephalus. T. D. Ushakova, A. IU. Makarov. Vop. med. khim. 9 no. 2 172-177 Mr-Ap '63.

PROTOCHLOROPHYLL

Studying the average duration of the fluorescence of protochlorophyll during the greening of etiolated leaves. A B. Rubin and others. Biofizika 7 no 5:571-577 '62.

PROTONS

Proton relaxation in solutions of ternary butyl alcohol - water. O. F. Bezrukov, M. F. Vuks, IU. I. Noronov. Ukr. fiz. zhur. 9 no. 4:457-458 Ap '64.

Some reactions on zinc bombarded by 30 Mev. protons. T N Mikhaleva Atom. energ. 17 no 2 142-144 Ag '64.

Substances with intermolecular hydrogen bonding as proton semiconductors. M. I. Shakhparonov. Zhur. fiz. khim. 38 no. 2:252-265 F '64.

PROTONS—CAPTURE

Radiative capture and inelastic scattering of protons by Mg^{26} nuclei. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1140-1144 Jl '64.

PROTONS—SCATTERING

Elastic scattering of protons by Ar^{36} nuclei. V. E. Storizhko, A. I. Popov. Izv. AN SSSR. Ser. fiz. 28 no. 7:1145-1151 Jl '64.

Elastic scattering of protons on tritium at energies below the (p, n)-reaction threshold. IU. G. Balashko and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1124-1136 Jl '64.

Inelastic scattering of protons by Ar^{36} nuclei. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1137-1139 Jl '64.

Radiative capture and inelastic scattering of protons by Mg^{26} nuclei. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 28 no. 7:1140-1144 Jl '64.

PROTOPLASM

Basic characteristics of the physiological structure of the living cell. D. S. Vorontsov. Fiziol. zhur. 10 no. 1:3-16 '64.

Morphologic relation of the mitochondria and the ergastoplasmatic network in the cells of Ehrlich's ascitic carcinoma. V M. Mitiushin Biofizika 8 no. 1:58-61 '63

PROTOZOA, PATHOGENIC

Chemical prevention of babesiasis in cattle. A. D Rybkina Veterinariia 41 no. 4 51-53 Ap '64

PROVERBS

Philosophy and the sense of proportion. A. Gu. Vop. filos. 18 no 7:182-183 '64.

PROVERBS, TATAR

Muzafarov, R. I. [Tatar proverbs] Tatarskie narodnye poslovitsy. [Kazan'] Izd-vo Kazanskogo univ., 1959. 41 p.

[MICROFILM]

PRUT VALLEY—TERRACES (GEOLOGY)

Geological age of terraces in the lower reaches of the Prut and Danube Rivers. N. A. Konstantinova. Biul. Kom. chetv. per. no. 29:67-80 '64.

PSEUDOMONAS

Arginine and ornithine consumption by Pseudomonas pyocyaneum P. and Pseudomonas fluorescens. E. N. Disler. Dokl. AN SSSR 156 no. 6:1446-1450 Je '64.

PSEUDOMONAS—CULTURES AND CULTURE MEDIA

Effect of the sources of carbon on the biosynthesis of α-ketoglutaric acid in cultures of Pseudomonas fluorescens. V N Shaposhnikov and others. Dokl. AN SSSR 157 no. 1:180-182 Jl '64.

[illegible]

[illegible] uronium deriva- [illegible] K. Velichko, [illegible] khim. 34 [illegible]

PSORALEA

Comparative photosensitizing effects of khellin, meladinin and the extract of Psoralea drupacea. N. M. Kabilov. Farm. i toks. 25 no. 6:733-735 N-D '62.

PSORIASIS

Treatment of psoriasis with vitamin B_{12} combined with folic acid. M. I Karlin, G. IA. Klebanov. Vest. derm. i ven. 38 no. 1:61-62 Ja '64.

PSYCHIATRIC HOSPITALS

Organization of a ward for epilepsy patients in a psychiatric hospital. V. S. Pozdniakov, B. I. Khavin. Trudy Gos. nauch.-issl inst. psikh. 40:333-336 '63.

PSYCHIATRISTS

Activities of doctors-psychiatrists in the revolutionary movement in Russia. D. D. Fedotov, V. M. Lupandin. Trudy Gos. nauch.-issl inst. psikh. 40:310-320 '63

PSYCHIATRY

(see also subdivision under Siberia, Eastern; Soviet Far East)

Endocrinologic problems in psychiatry. I. A. Polishchuk. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:157-169 '63.

Gannushkin, P. B. [Selected works] Izbrannye trudy. Pod red. O. V. Kerbikova. Moskva, Meditsina, 1964. 290 p.

(DNLM)

In memory of I. S. Sumbaev. N. V. Ivanov, D. D. Fedotov, Kh. G. Khodos. Trudy Gos. nauch.-issl. inst. psikh. 40:3-14 '63.

State of psychoneurological aid in the U. S. S. R. and the pattern for its future development, report at the Fourth Conference of neuropathologists and psychiatrists, June 1, 1963. S. V. Kurashov. Zhur. nevr i psikh. 63 no. 9.1281-1296 '63.

PSYCHIATRY—ABSTRACTS

[Abstracts of Soviet medical literature: Neuropathology and psychiatry] Sov. med ref. oboz. Nevropat. i psikh no. 14 '56.

(DNLM)

PSYCHIATRY—BIBLIOGRAPHY see Bibliography—Psychiatry

PSYCHOLOGY, PATHOLOGICAL

Alcoholism and pathology of the diencephalon. B. M. Segal. Trudy Gos. nauch.-issl. inst. psikh. 40:80-99 '63.

Factors promoting the genesis of schizophrenia in connection with psychogenia. N. F. Dement'eva. Trudy Gos. nauch.-issl. inst. psikh. 40:191-201 '63.

Handbook of abnormal psychology and its theoretical premises. M. S. Rogovin. Zhur. nevr. i psikh. 63 no. 9 1420-1426 '63.

Optimal frequency detection of differences between stimuli. N. I. Chuprikova. Izv. APN no. 129:144-148 '63.

Perception disorders of central genesis and the hypochondriac syndrome. N. P. Tatarenko, K. V. Kravchenko-Mikhailova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:117-128 '63.

Problem of the genesis of obsessive states. R. G. Golodets. Trudy Gos. nauch.-issl. inst. psikh. 40:255-269 '63.

Psychopathological syndromes in malignant tumors of internal organs. Z. P. Zubareva. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:369-381 '63.

Role of the psychogenic factor in the development of hypothyroidism. A. I. Belkin, L. D. Sachkova. Trudy Gos. nauch.-issl. inst. psikh. 40:304-309 '63.

PSYCHOLOGY, PHYSIOLOGICAL

Stability of individual differences in simple reactions. M. N. Borisova. Izv. APN no. 129 149-153 '63.

PSYCHOLOGY, RELIGIOUS

Religious psychology and atheistic education. I. N. Bukina, V. R. Bukin. Nauch. dokl. vys. shkoly; filos. nauki 7 no. 1:156-162 '64.

PSYCHOSES

Disorders of the prognostic function in neuropsychic diseases. I. S. Sumbaev. Trudy Gos. nauch.-issl. inst. psikh. 40:23-40 '63.

Dynamics of hallucinotic manifestations in acute alcoholic psychoses following the introduction of bromide. R. Kh. Gazin. Trudy Gos. nauch.-issl. inst. psikh 40:109-117 '63.

Effect of ethyl alcohol on the structure and content of dreams in chronic alcoholism and acute alcoholic psychoses. R. Kh. Gazin. Trudy Gos. nauch.-issl. inst. psikh. 40:100-108 '63.

Influence of the age factor on the clinical aspects and course of the manic-depressive psychosis. F. A. Shaibekova. Trudy Gos. nauch.-issl. inst. psikh. 40:237-244 '63.

Psychogenic reaction in hypertension patients and hypertonic psychoses. L. N. Vishnevskaia. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:171-180 '63.

Somatic and psychic elements in cyclothymia and manic-depressive psychosis and the problem of cerebrovisceral interrelations. T. A. Nevzorova. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:145-155 '63.

PSYCHOSES (Continued)

Varieties of rheumatic phenomena in mental patients and the role of rheumatic fever in the genesis of some psychoses. V.P.Kuchalev. Trudy Gos nauch.-issl psikh inst 40 141-150 '63

PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

PSYCHOTHERAPY

Method of psychotherapy in the neurosis of obsessive states. N.V.Ivanov. Trudy Gos.nauch.-issl.inst psikh. 40 250-274 '63.

Place and forms of psychotherapy in the contemporary system of treating alcoholism. I.I.Lukomskii Trudy Gos nauch.-issl inst psikh. 40 275-290 '63.

PUBIC SYMPHYSIS

[illegible] F Aizenberg [illegible] 43 no 11 63-75 N '62

PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

Osipov, L G , P. P Serbinovich, and V. E Krasenskii. [Public and industrial buildings, architectural and construction designs and building elements] Grazhdanskie i promyshlennye zdaniia, arkhitekturno-konstruktivnye skhemy i elementy zdanii Izd. 3., perer Pod red. L G Osipova. Moskva, Vysshaia shkola, 1964 483 p

Pushkarev, V V. [Assembly-line construction of apartment houses and buildings for cultural and social purposes] Stroitel'stvo zhilykh domov i kul'turno-bytovykh zdanii potochnymi liniiami. Moskva, Stroiizdat, 1964 161 p

PUBLIC HEALTH
(see also subdivision under Kuban; Latvia; Siberia, Yemen)

Mil'man, A. Sh. [Administration of public health and social security in the U.S.S.R.] Upravlenie zdravookhraneniem i sotsial'nym obespecheniem v SSSR. Baku, Izd-vo Azerbaidzhanskogo gos. univ. im. S.M. Kirova, 1960. 62 p.
[MICROFILM]

More attention should be paid to the study, generalization and publicity of advanced work practices Zdrav Ros Feder 8 no 1 3-5 Ja '64

Review of S IA Freidlin's "Course of lectures on the organization of public health service " M S Bednyi Zdrav Ros Feder 8 no 1 38-40 Ja '64

Trakhtman, N N. , and N. F. Izmerov. [Communal hygiene] Kommunal'naia gigiena. Moskva, Meditsina, 1964 346 p.

PUBLIC HEALTH—HANDBOOKS, MANUALS, ETC.

Akademiia meditsinskikh nauk, Moscow. Institut pitaniia. [Manual for studies on the nutrition and health of the population] Rukovodstvo po izucheniiu pitaniia i zdorov'ia naseleniia. Pod red. A.A. Pokrovskogo. Moskva, Meditsina, 1964. 279 p.
(DNLM)

PUBLIC HEALTH RESEARCH

Research on the organization of public health service in the First Leningrad Medical Institute S.IA Freidlin Biul Uch med so., 3 no 4 21-24 Jl-Ag '62

PUBLIC INSTITUTIONS—ACCOUNTING

Shukhai, T.D., and N. F. IAtsura. [Centralization of the accounting in public institutions] TSentralizatsiia ucheta v biudzhetnykh uchrezhdeniiakh. Moskva, Izd-vo "Finansy," 1964. 102 p.

PUBLIC PROSECUTORS
(see also subdivision under Lida District)

In the U.S.S R. Prosecutor's Office. Sots. zakon. 41 no 4:76-78 Ap '64.

Jurisdictional relations of comrades courts with organs of the police, prosecutors offices, and courts V Shind. Sots. zakon 41 no. 4:44-48 Ap '64.

News from prosecutors offices and supreme courts of the Union Republics. Sots. zakon 41 no. 4:79-80 Ap '64.

Problems of prosecutorial supervision discussed in the Institute of State and Law. V. Kuznetsov Sots zakon 41 no. 4:68-70 Ap '64.

PUERPERAL CONVULSIONS

Changes in the kidney glomerulus in eclampsia and nephropathies during pregnancy. B.N.TSibel'. Akush. i gin. 40 no.1:52-54 Ja-F '64.

PUERPERAL SEPTICEMIA
(see also subdivision under Leningrad)

Antitoxic antistaphylococcal immunity in puerperants and newborn infants in connection with their immunization with staphylococcal anatoxin. A.M.Dolgopol'skaia. Akush.i gin. 40 no.1:27-31 Ja-F '64.

Prevention of suppurative infection in puerperants and newborn infants with staphylococcal anatoxin. S.G. Khaskin. Akush.i gin. 40 no.1:13-17 Ja-F '64.

Use of staphylococcal anatoxin for prevention of suppurative diseases in puerperants and newborn infants. A.I.Dmitrieva, B.V.Voskresenskii. Akush.i gin. 40 no.1:22-25 Ja-F '64.

PUERPERIUM

Characteristics of blood coagulation during and after labor L B Bokova. Akush.i gin 39 no 5:51-56 S-O '63

Phagocyte reaction in pregnant women and puerperants immunized with staphylococcal anatoxin. N.G.Kosheleva. Akush.i gin. 40 no.1:32-35 Ja-F '64.

Puerperal hematoma of the vulva and vagina. O.V. Galaeva. Akush.i gin. 40 no.1:137-138 Ja-F '64.

Some data on the role of fibrinogen in hemorrhages during labor and the early postpartum period M. S TSirul'nikov. Akush i gin 39 no 5:65-68 S-O '63.

PULLEYS

Sliding of steel cables on pulleys and blocks. V.A. Makhov. Izv.vys.ucheb.zav., les.zhur 6 no.3 77-88 '63.

PULLEYS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Mounting pulleys and tackles with a lifting capacity from 1.25 to 50 tons per second] Bloki i polispasty montazhnye gruzopod"emnost'iu ot 1,25 do 50 ts (MN 2778-61—MN 2786-61). Moskva, Izd-vo standartov, 1964. 75 p. (SSSR. Normali mashinostroeniia)

PULLORUM DISEASE

Survival of the pullorum disease agent in external environment A U Khashimov Veterinariia 41 no 4 21-24 Ap '64

PULSE CIRCUITS

Logical features of real threshold elements. M.A. Rozenblat, B.M.Gendler. Izv.AN SSSR.Tekh.kib. no.1:50-64 Ja-F '64.

Study of the operation of high-speed triggers with tunnel diodes using a modeling technique. IU.I.Vorontsov, I V.Poliakov. Radiotekh.i elektron. 9 no.7:1246-1257 Jl '64.

Use of the avalanche properties of junction transistors in pulse systems. V.G Pikulik, S IA.Shats. Elektrosviaz' 18 no 5:46-52 My '64.

PULSE TECHNIQUES (ELECTRONICS)

Gol'denberg, L.M. [Principles of pulse techniques] Osnovy impul'snoi tekhniki. Izd.2., dop. Moskva, Izd-vo "Sviaz'," 1964. 431 p.

Helical delay lines shielded with mercury. B.A.Solomin Izv. SO AN SSSR no 2.Ser tekh.nauk no.1:85-88 '64

Morugin, L.A., and G.V.Glebovich. [Nanosecond pulse techniques] Nanosekundnaia impul'snaia tekhnika. Moskva, "Sovetskoe radio," 1964. 623 p.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

Analyzing the equation of continuity for fluid flow through the valve of a piston pump. V.I.Zaitsev. Trudy VNIIGAZ no.19/27:168-170 '64.

Automation of waste-water pumps. IA A Shklovskii. Nefteper i neftekhim. no 5:40-45 '63

Investigating the regularities in the variation of the local resistance factor during fluid flow through the slot of a piston-pump valve. V.I.Zaitsev. Trudy VNIIGAZ no.19/27:165-167 '64.

Method for converting the characteristics of blade pumps from water to viscous fluid. S.A.Abdurashitov, I.M. Vershinin. Izv.vys.ucheb.zav., neft' i gaz 6 no.7: 113-118 '63.

Using a vibro-signaling apparatus as an anti-pump device. V.Podreshetnikov, L.IUnik. Gaz delo no.3: 44 45 '63

Warmed-up intrigue. I Melenevskii Izobr rats. no.5: 14-15 '64.

PUMPING MACHINERY—ABSTRACTS

[Journal of abstracts: Manufacture of pumps and compressors] Ref zhur.: Nasosostr.i kompressorostr. no.8 Ag '64.

PUMPING MACHINERY—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Lubricating equipment; plunger pumps for $P_{nominal}$ of 10 kgf/cm^2] Smazochnoe oborudovanie, nasosy plunzhernye na $P_{nom} =$ 10 kgs/cm^2 (MN 3031-61) Moskva, Izd-vo standartov, 1964. 26 p. (SSSR. Normal' mashinostroeniia)

PUMPING MACHINERY, ELECTRIC

Choice of an optimum alternative in the construction and location of hydraulic clutches in the drive system of a feed pump A N Turkin Teploenergetika 11 no 7:40-44 Jl '64.

PUNCHED CARD SYSTEMS

Comrade I.Karpov's suggestions. N.Gorbatov. Vest. stat no 8 62 '64.

For a wider introduction of standard forms. V.Braga. Vest.stat. no. 7:67-70 '64.

Kokotkin, V.I., and others. [Design and repair of calculating and punched card machines; perforators, controllers, and sorting machines] Konstruktsiia i remont schetno-perforatsionnykh mashin; perforatory, kontrol'niki i sortiroval'nye mashiny. Moskva, Gosstatizdat.
Pt.1. 1963. 166 p.

PUNCHED CARD SYSTEMS—AGRICULTURE see subdivision under Bryansk Province

PUNCHES

Contact stresses in case of a cohesion of a circular punch with an elastic layer. IA.M.Kizyma. Inzh.zhur. 4 no.2:376-382 '64.

Design and manufacture of centerpunching stamps S.A Gantman, K.A.Kuznetsov. Soversh tekh.mash i prib no.3:32-54 '60.

Self-similar dynamic problems of the embedding of a rigid punch in an elastic semispace. R.V.Kostrov. Izv.AN SSSR.Mekh.i mashinostr no 4:51-62 Jl-Ag '64.

PUNCTURES (MEDICINE)

Methodology and technique for the puncture of ductus deferens in genital radiography. N.F.Krivoshei. Urologiia no.1:38-41 '64.

PUNGINSKOYE GAS FIELD—GASES—SEPARATION

Testing wells of the Punginskoye field for condensate. O F.Khudiakov, E.D Karlinskii. Gaz.prom. 9 no.7: 11-15 '64.

PUNISHMENT

The principle of inevitability of punishment. P.S.Dagel' Uch.zap.Dal'nevost.gos.un. no 6:152-160 '62.

Ways of narrowing the range of criminal liability. N.F.Kuznetsova. Sov.gos.i pravo 34 no.7:55-64 Jl '64.

PUPIL (EYE)

Conditioned pupillary reflexes following the administration of trimecaine. V.P.Baskakova. Farm.i toks. 26 no.5:515-518 S-O '63.

PUPIL (EYE)—EXAMINATION

Shakhnovich, A.R., and V.R.Shakhnovich. [Pupillography, objective examination of pupillary reactions and movements of the eyeball] Pupillografiia; ob"ektivnoe issledovanie zrachkovykh reaktsii i dvizhenii glaznykh iablok. Moskva, Meditsina, 1964. 250 p.
(DNLM)

PURINES

Specific interaction of purines and pyrimidines in the nucleic acid chain. B.I.Sukhorukov, G.I.Maikhanova. Biofizika 8 no.1:131-132 '63.

Synthesis of 1-alkyl-6-iminopurines. I.M.Ovcharova, E.S.Golovchinskaia. Zhur.ob.khim. 34 no.7:2472-2473 Jl '64.

PURPURA (PATHOLOGY)

Clinical aspects of Werlhof's disease in children. V.A. Kuznetsova, M.L.Tovba. Trudy Tadzh.med.inst. 50:191-193 '61.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Brodskii, N.L. [Evgenii Onegin; a romance in verse by A.S.Pushkin. Textbook for the teacher] Evgenii Onegin, roman A.S.Pushkina. Posobie dlia uchitelia. Izd.5. Moskva, Prosveshchenie, 1964. 414 p.

PUTNA, VITOVT KAZIMIROVICH, 1893-1937

Corps Commander V.K.Putna. I.Dashichev. Voen.-ist.zhur. 5 no.4:127-128 Ap '63.

PYATIGORSK—DESCRIPTION

Kniazev, A. [City on the Skalistyye archipelago] Gorod na Skalistom arkhipelage. Stavropol', Knizhnoe izd-vo, 1962. 117 p.
(MH)

PYRAN

Pyran series, its analogs, and related compounds. Part 8: 4-Alkyl-4-aminotetrahydropyrans. V.A. Zagorevskii, K.I.Lopatina. Zhur.ob.khim. 34 no.7:2287-2290 Jl '64.

PYRANONE

Dimercaptothiopyrones, new analytical reagents. Report No.1: Synthesis of dimercaptothiopyrones. A.M. Arishkevich, IU.I.Usatenko. Trudy DKHTI no.16:43-46 '62.

Dimercaptothiopyrones, new analytical reagents. Report No.2: Amperometric titration of copper. A.M. Arishkevich, IU.I.Usatenko. Trudy DKHTI no.16:47-52 '62.

PYRAZOLE

Preparation of polymers by polycyclization reaction. Report No.1: Polypyrazoles. V.V.Korshak and others. Izv.AN SSSR.Ser.khim. no.7:1281-1288 Jl '64.

PYRAZOLE—THERAPEUTIC USE

Ataractic properties of the series of 4-mono- and 1,4-disubstituted pyrazoles. K.S.Raevskii, IU.M.Batulin. Farm.i toks. 26 no.5:551-556 S-O '63.

PYRAZOLIDINE

Chemistry of pyrazolidine. Part 7: Sulfonation of 3,5-dioxopyrazolidines with pyridine sulfotrioxide. M.L.Moldaver, A.M.Khaletskii. Zhur.ob.khim. 34 no.7:2397-2402 Jl '64.

PYRIDAZINE

Transformations of 3-hydrazinopyridazino[4,5,6-m,l]fluorene. N.S.Dokunikhin, S.A.Mikhalenko. Zhur.ob.khim. 34 no.7:2473-2474 Jl '64.

PYRIDAZINONE

Pyridazone-anthrone and its derivatives. Part 1. N.S.Dokunikhin, V.IA.Fain. Zhur.ob.khim. 34 no.7;2372-2374 Jl '64.

PYRIDINE

Reaction of some 1,4-dihydropyridines with maleic anhydride and maleic acid. A.S Astakhova, M.L Khidekel'. Izv.AN SSSR.Ser.khim. no 7;1322-1324 Jl '64

PYRIDINE BASES

Effect of a pyridine solution of hydrogen peroxide on brown, bituminous and oxidized coals. O B. Maksimov Trudy DVFAN SSSR.Ser khim no 6;60-82 '62

PYRIDINE PROPIONIC ACID

Derivatives of acylacetic esters of the heterocyclic series. Part 5: Synthesis of isonicotinoyl ester, arylides, and azomethine dyes produced from them. N.S.Vul'fson, V.E.Kolchin. Zhur.ob.khim. 34 no.7; 2387-2300 Jl '64.

PYRIDOINDOLE

Derivatives of indole. Part 16: 2,2,4,4-Tetramethyl-1,2,3,4-tetrahydro-γ-carbolines and their derivatives. N.N.Komzolova, N.F Kucherova, V.A.Zagorevskii. Zhur.ob.khim. 34 no.7;2383-2387 Jl '64.

Derivatives of indole. Report No. 11: β-Carbolines and their tetrahydroxy derivatives methylated in the pyridine ring. A.G. Terzian, Zh.G. Akopian, G.T. Tatevosian. Izv. An Arm.SSR. Khim.nauki 16 no.1:87-92 '63.

PYRIDOXAL

Effect of chloroprene on the formation of hyposulfite from cystine, cysteine, sulfide, and sulfite in the presence of pyridoxal coenzyme system G.V.Matinian. Izv.AN Arm.SSR.Biol.nauki 17 no 2:39-46 F '64.

PYRIDOXINE

Clinical characteristics and properties of the course of chronic leukemia during the early stages of its development. Report No. 1. T.A. Cherntsova, V.D. Ivanova, O.V. Aksenova. Probl.gemat.i perel.krovi 8 no.8: 9-13 Ag '63.

Content of free and bound vitamin B$_6$ in blood of the umbilical cord in normal and complicated pregnancy and labor. V.K. Zubovich. Akush.i gin. 39 no 5:44-47 S-O '63.

Effect of pyridoxine on the clinical and morphological picture of experimental hepatitis. S.A.Sudakova, K.M. Odina. Vop.pit. 23 no.1;36-43 Ja-F '64.

Microbiological method for the determination of vitamin B$_6$. F.A Kruchakova, IU A.Rudchenko Lab delo no.7:400-403 '64.

PYRIDOXOL

Alkylation of β-phenylisopropylamine by pyridoxine bromohydrins. L.A.Petrova, N.N.Bel'tsova, S.IA. Arbuzov. Zhur.ob.khim. 34 no.7;2390-2392 Jl '64.

PYRIDOXONE

Effect of some isothiuronium pyridoxine derivatives on blood circulation and some functions of the nervous system. S.IA. Arbuzov, V.I. Generalov. Farm.i toks. 26 no.5:518-525 S-O '63.

PYRIDYLETHYLATION

Effect of the solvent and catalytic additions on the pyridylethylation of the amino group. S.I.Suminov, A.N.Kost. Zhur.ob.khim. 34 no.7;2421-2428 Jl '64.

PYRIMIDINE

Potential antimetabolites. Part 14: Pyrimidinyl-N-α-amino acids. IU.P.Shvachkin, M.T.Azarova. Zhur.ob.khim. 34 no.7;2167-2173 Jl '64.

PYRIMIDINEALANINE

Potential antimetabolites. Part 12: Synthesis of β-(2,4-dihydroxy-6-methyl-5-pyrimidinyl)alanine. IU.P.Shvachkin, L.A.Syrtsova. Zhur.ob.khim. 34 no.7;2159-2164 Jl '64.

Potential antimetabolites. Part 13: Synthesis and properties of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidinyl)alanine. IU.P.Shvachkin, G.G.Krivtsov. Zhur. ob.khim. 34 no.7;2164-2167 Jl '64.

PYRIMIDINES

Specific interaction of purines and pyrimidines in the nucleic acid chain. B.I.Sukhorukov, G.I. Matkhanov. Biofizika 8 no.1:131-132 '63.

PYRINDINE

Cis- and trans-perhydropyrindines. E.A.Mistriukov. Izv.AN SSSR.Ser.khim. no.7;1249-1254 Jl '64.

PYRITES see subdivision under Armenia

PYROCATECHOL

Alkylaryl esters of pyrocatechin phosphorous acid as the new stabilizers of polymers. E.N.Matveeva and others. Plast.massy no.2;37-39 '64.

PYROCERAMICS

Change in the phase composition of pyrocerams under the effect of γ-rays. S.M.Brekhovskikh, L.M.Landa, N.I.Chubkina. Dokl.AN SSSR 157 no 4;938-939 Ag '64.

PYROLYSIS

Catalytic effect of metals on coking in the pyrolysis of propane. I.M.Starshov, G.P.Syrmolaeva. Nefteper. i neftekhim. no.2;26-29 '64.

Developing optimal conditions for the pyrolysis of gasoline in a current of superheated water vapor. T.A. Khachaturian, A.N.Dzhanumov. Nefteper.i neftekhim. no.2;22-26 '64.

Hydraulic purification of pyrolytic gasoline by-product Nefteper i neftekhim no 9 38-40 '63

Local activation effect in the low temperature pyrolysis of anthracene and bianthryl. A.A.Berlin and others Dokl.AN SSSR 156 no.6;1371-1374 Je '64.

Obtaining acetylene through the oxidation pyrolysis of methane-propane-butane mixtures. Gaz.prom 7 no.3;36-41 '62.

Pyrolysis of a gas condensate in the presence of coke-oven gas V I Dal', L S Raskina, V M Nabivach Nefteper i neftekhim no 9 14-16 '63.

Removing pyrolytic light oil from unsaturated hydrocarbons P.A.Chirimanov and others Nefteper i neftekhim no 9 10-13 '63

Semimicromethod for studying the pyrolysis of solid mineral fuels. Report No 2. I.V.Grinberg, A.A. Salamin, N P.Liatte. Zhur.anal.khim. 19 no.5: 622-628 '64.

Tar from the pyrolysis of gaseous hydrocarbons as a product for obtaining biphenyl and benzene. R G. Ismailov, D.A.Aliev, T M.Ivanova Azerb neft.khoz 43 no 5;33-36 My '64.

Thermooxidizing pyrolysis of methane. S.M Estrin. Khim prom [Ukr.] no 3;14-19 Jl-S '63

PYROMETERS

New instrument for measuring long-wave atmospheric radiation. A.P.Braslavskii. Izv Sib otd AN SSSR no.12 35-48 '62

PYROMETERS—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, temperatures and gas tests; installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii, temperatury i prob na gaz, sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4828-63—MN 4887-63). Moskva, Izd-vo standartov. (SSSR. Normali mashinostroeniia)

Pt.1. [For nonaggressive media] Dlia neagressivnykh sred. 1964. 156 p.

PYROMETRY

Color temperature of aluminum and magnesium alloys in the 300 - 500° C range. A.A. Poskachei, M.P. Ural'skii. Izv.AN SSSR Met.i gor.delo no.2,186-187 Mr-Ap '64.

Use of color pyrometry methods in measuring the temperature of oxide cathodes. E.A.Lapina, V.S Parkhomenko, M.A.Chistiakova. Izv.AN SSSR.Ser.fiz. 28 no.8:1367-1372 Ag '64.

PYROPHOSPHATES

Effect of additions on the electrodeposition of lead from a pyrophosphate electrolyte. M.A. Loshkarev, T.F. D'iachenko. Trudy DKIITI no.16:27-34 '62.

PYROPHOSPHORIC ACID

Synthesis of nucleotidyl (P-N)-phenylalanine by the pyrophosphate technique. O.E.Vorob'ev, Z.A.Shabarova, M.A.Prokof'ev. Dokl.AN SSSR 158 no.1:143-146 S-O '64.

PYRRHOTITE

Domain structure of natural pyrrhotite. M.A.Grabovskii, O.N. Zherdenko. Izv.vys.ucheb.zav., fiz. no.4,27-34 '64.

PYRROLIDINECARBOXYLIC ACID

Ganglioblocking substances in the series of bis-quaternary salts of dialkylaminoalkyl esters of N-methyl-α-pyrrolidine carboxylic acid. D.A.Kharkevich. Farm. i toks. 26 no.2;172-179 Mr-Ap '63.

PYRROLIDINONE

Kinetics and the mechanism of γ-butyrolactam hydrolysis in potassium hydroxide solutions. M.I.Vinnik, IU.V.Moiseev, L.V.Palagina. Kin.i kat. 5 no.2253-262 Mr-Ap '64.

PYRROLIZINE

Alkaloids of the 1-methylpyrrolizidine series. V.S. Alekseieva Farmatsev zhur. 16 no.1:39-44 '61.

1-Azabicycles. Part 2: Position of certain groups introduced in some substitution reactions in 1,2-dihydropyrrolizines. L.N.Astakhova, I.M.Skvortsov, A.A. Ponomarev. Zhur.ob.khim. 34 no.7;2410-2412 Jl '64.

Pyrrolizine alkaloids. Part 6: Complete synthesis of integerrinecic acid. N.K.Kochetkov, A.E.Vasil'ev, S.N.Levchenko. Zhur.ob.khim. 34 no.7;2202-2207 Jl '64.

PYRYLIUM COMPOUNDS

Synthesis of pyrylium salts from hydrocarbons with tertiary carbon atoms. G.N.Dorofeenko, G.I.Zhungietu. Zhur.ob.khim. 34 no.7;2469-2470 Jl '64.

QUACKS AND QUACKERY

Kuprilanov, V.V. [Medicine and quackery] Meditsina i znakharstvo Kishinev, Gos.izd-vo "Kartia moldoveniaske," 1961. 23 p

[MICROFILM]

QUANTUM MECHANICS

Measurement in quantum physics R.IU Volkovyskii. Vop filos 18 no 7 82-89 '64

QUANTUM THEORY

Adiabatic approximation in quantum and classical mechanics. A.M.Dykhne, V.L.Pokrovskii. Izv. Sib.otd. AN SSSR no.10:38-50 '62.

Alpha-decay of Ra^{222} and the level structure of radon isotopes. K.B.Baktybaev, G.M.Bukat. Izv.AN SSSR. Ser.fiz 28 no 7:1203-1206 Jl '64.

Asymptotic expansion of singular solutions of the spinor field theory. L E. Lebedev Izv.vys.ucheb.zav., fiz no.4;41-46 '64.

Collective excitations of nuclei under electron scattering. V.K.Luk'ianov, I.Zh.Petkov. Izv.AN SSSR.Ser.fiz. 28 no.7;1207-1211 Jl '64.

Energy levels of the Si^{28} nucleus. IU.P.Antuf'ev and others. Izv.AN SSSR.Ser.fiz. 28 no.7;1156-1159 Jl '64.

Excitation of nuclei in the scattering of heavy ions. V.K. Luk'ianov. Izv.AN SSSR.Ser.fiz. 28 no.7;1212-1219 Jl '64.

Excited states of nonaxial odd atomic nuclei. V.V. Pashkevich, R.A.Sardarian. Izv.AN SSSR.Ser.fiz. 28 no.7;1188-1202 Jl '64.

Excited states of Rh^{104}. A.S.Melioranskii, L.F.Kalinkin, I.V.Estulin. Izv AN SSSR.Ser.fiz. 28 no.7. 1110-1117 Jl '64.

Measurement of the gyromagnetic ratios of nuclei in the excited state A.K. Val'ter and others Ukr fiz zhur 8 no 9;935-946 S '63

Method for determining the absolute concentrations of excited activator particles in a scintillation mixture B.I. Stepanov, V.S. Rubanov Dokl.AN BSSR 8 no 2: 90-93 F '64.

Multipole order of γ-transitions in Sn^{116} accompanying the β-decay of 54 min. In^{116m} S.V. Starodubtsev, R.B. Begzhanov, S L Rakovitskii Izv.AN Uz.SSR Ser.fiz.-mat nauk 7 no.5;40-44 '63.

Remarks on resonon theory V.I.Kushtan. Izv vys ucheb.zav., fiz. no.4;105-108 '64

Scattering operator in a space of second quantization. A.L. Chistiakov. Dokl AN SSSR 158 no.1 67-69 S-O '64.

Studying the lower states of Ge^{74}, Se^{78}, Zr^{93}, and Zr^{95} with the aid of stripping reactions. N.I.Zaika, O.F. Nemets, A.M.IAsnogorodskii. Izv.AN SSSR Ser.fiz. 28 no.7;1160-1163 Jl '64.

Studying the lower states of Si^{28} observed in the Al^{27} (α, t)Si^{28} reaction. O.F.Nemets, A.T.Rudchik, V.A. Usik. Izv.AN SSSR.Ser.fiz. 28 no.7;1164-1168 Jl '64.

Theory of the superfluidity of atomic nuclei. B.L. Birbrair. Izv.AN SSSR.Ser.fiz. 28 no.7;1185-1187 Jl '64.

Theory of waves of spin density. IAn Shi (Yang Shih). Dokl.AN Arm.SSR 37 no.4;191-196 '63.

Three-quasi-particle states in deformed nuclei. N.I. Piatov, A.S.Chernyshev. Izv.AN SSSR.Ser.fiz. 28 no 7;1173-1180 Jl '64.

Total number of quanta emitted in a laminated medium. V.A.Dzhrbashian. Izv.AN Arm.SSR.Ser.fiz.-mat. nauk 16 no 6;113-115 '63.

QUARRIES AND QUARRYING

(see also subdivision under Krivoy Rog Basin; Rostov Province)

Conference on the improvement of the quarrying for nonmetallic minerals. N.Z.Garmash. Met.i gornorud prom. no.6;80-81 N-D '62.

Rodin, B.M. [Sawed stone quarries; their design and operation] Kar'ery pil'nogo kamnia, proektirovanie i ekspluatatsiia. Kiev, "Budivel'nyk," 1964. 175 p.

QUARTZ

Calcium hydroxide reaction with quartz glass and quartz sand at temperatures from 120° to 210°C. V.Slizys, I.Valtkus. Trudy AN Lit.SSR.Ser.B no.1:161-168 '62.

Flotation characteristics of quartz associated with the activation of its surface. G.B.Delitsyna, V.I Kovalenko. Sbor.nauch.trud KGRI no.10:342-348 '61.

Kostyleva, E.E. [Some methods for studying ore-bearing quartz and practice in applying them] Nekotorye metody izucheniia rudonosnogo kvartsa i opyt ikh primeneniia. Moskva, Nauka, 1964. 97 p.

Mikhailova, N.A. [Characteristics of the quartz of a Devonian terrigenous formation and its possible source material] Kharakteristika kvartsa terrigenoi tolshchi devona i vozmozhnykh istochnikov ego snosa Moskva, Izd-vo "Nauka," 1964. 69 p.

QUARTZ, EFFECT OF RADIATION ON

Radiation effects in α-quartz. G.S.Zhdanov and others. Kristallografiia 8 no.2 207-212 Mr-Ap '63.

QUARTZ CRYSTALS, EFFECT OF RADIATION ON

Nature of the smoky coloring in synthetic quartz crystals L.I.TSinober, L G. Chentsova. Kristallografiia 8 no 2:280-283 Mr-Ap '63

QUARTZITE

(see also subdivision under Bayan-Aul District)

Nakovnik, N. I. [Secondary quartzites of the U.S.S.R. and mineral deposits connected with them] Vtorichnye kvartsity SSSR i sviazannye s nimi mestorozhdeniia poleznykh iskopaemykh. Moskva, Izd-vo "Nedra," 1964. 338 p. map (insert)

QUEUEING THEORY

Simulation of a system in queueing theory. G A Aliev. Dokl. AN Azerb.SSR 19 no. 3 3-6 '63

Some applications of queueing theory in experimental nuclear physics. S. S. Kurochkin. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6·38-49 '63.

Some principal properties of queueing systems with constant productive capacity and refusals (losses.). I. P. Paderno, V A. Usachev. Izv. AN SSSR. Tekh. kib. no. 1:86-93 Ja-F '64.

QUINALIZARIN

Determination of lead ions with quinalizarin. A. F. Nemirovskaia. Trudy NPI 143.45-53 '63.

QUINAZOLINOL

New synthesis of derivatives of 2-(2'-aminophenyl)-8-hydroxyquinazoline. V.M.Dziomko, I.S.Markovich, N.V.Petukhova. Zhur.ob.khim 34 no.7:2402-2404 Jl '64

QUININE

One hundred and fifty years since the discovery of the alkaloid quinine K. M. Kovalenkov Farmatsev. zhur. 18 no. 5·60-61 '63.

QUINOLINE

Research on ways of quinocide metabolism in the animal body. Report No.2· Binding of quinocide in the tissues. N.IA.Soprunova. Med.paraz. i paraz.bol. 32 no.4:443-447 Jl-Ag '63.

QUINOLINETHIOL

Reaction of molybdenum with 8-mercaptoquinoline. Report No. 1. N. A. Agrinskaia, V. I. Petrashen'. Trudy NPI 143.27-34 '63.

QUINOLINOL

Amperometric titration with 8-mercaptoquinoline solution. V. I. Suprunovich, IU. I. Usatenko. Trudy DKHTI no. 16:123-131 '62.

New derivatives of 4-quinaldinol. Report No. 8: 6- and 8-halo derivatives of 3-(p-alkoxybenzyl)-4-quinaldinol. L. V. Giul'budagian, R. V. Karapetian. Izv. AN Arm. SSR. Khim. nauki 16 no. 1:73-78 '63.

Poly-bis-(8-hydroxyquinoline)-titanomethylphenylsiloxanes. K.A.Andrianov and others. Soob. AN Gruz. SSR 33 no.3:557-564 Mr '64.

QUINUCLIDINE

Synthesis of 2,5,8-trisubstituted quinuclidine. M.V. Rubtsov and others. Zhur.ob.khim. 34 no.7:2218-2221 Jl '64.

QUINUCLIDINONE

Beckmann rearrangement in the heterocyclic series. Rearrangement of oximes of 3-quinuclidinone and 1-azabicyclo[3,2,1]-6-octanone. M.V.Rubtsov and others. Zhur.ob.khim. 34 no.7:2222-2228 Jl '64.

QUOIREZ, FRANCOISE, 1935-

Plays of Francoise Sagan. Teatr 24 no. 12:140-152 D '63

RABBITS—FEEDING AND FEEDS

Effect of the feeding of male rabbits on the resistance of semen to cold shock. D V. Smirnov-Ugriumov. Trudy VIZH 25:104-108 '63.

Optimal type of feeding male breeding stock. V. K. Milovanov, M. V. Sytina, V. G. Kuleshova. Trudy VIZH 25:70-87 '63.

RABIES

Methods of the diagnosis of rabies and infectious encephalomyelitis in horses. N. I Rudikov. Veterinariia 41 no 4 14-16 Ap '64.

RABOTNOV, IU. N.

Awards to scientists. Vest. AN SSSR 34 no. 6·104 Je '64

RABOTNOV, TIKHON ALEKSANDROVICH, 1904-

Tikhon Aleksandrovich Rabotnov; on the occasion of his 60th birthday. I. V. Larin. Bot. zhur. 49 no. 7:1076-1085 Jl '64.

ACHMANINOFF, SERGEI, 1873-1943—FICTION

More about glory and anguish. M. Sokol'skii. Nov. mir 40 no. 2:255-256 F '64.

ADAR

Comparison of fluctuation errors of phase measuring and correlation-type measuring systems V. V. TSvetnov. Radiotekh. i elektron. 9 no. 7:1159-1172 Jl '64.

Dulevich, V. E., ed. [Theoretical principles of radar] Teoreticheskie osnovy radiolokatsii. [By] V. E. Dulevich i dr. Moskva, "Sovetskoe radio," 1964. 731 p.

Humidity and radar IU Sergeev. Tekh i vooruzh no 3 50-51 Mr '64.

RADAR, MILITARY

Accounting for irregular target travel in firing with radar. S. Andrienko. Voen. vest. 43 no. 4.75-76 Ap '64.

RADAR IN NAVIGATION

Results of the study of the functional condition of the central nervous system in ship radar operators. P. M. Golubchikov. Voen.-med. zhur. no. 1.70-74 '63.

RADAR METEOROLOGY

Some results of radar measurements of turbulence in the free pure atmosphere. A.A.Zagorodnikov Dokl. AN SSSR 156 no.6:1336-1338 Je '64.

RADIATION

Calorimetric study of the radiation-induced solid phase polymerization of acrylonitrile at 135°K. D.A.Kritskaia and others. Izv AN SSSR Ser. khim no. 7:1356 Jl '64

Concerning the remarks on articles by IU. A. Kolbanovskii, A. M. Brodskii, L. S. Polak on the mechanism of radiolysis inhibition. A. M. Brodskii, IU. A. Kolbanovskii, L. S. Polak. Kin. i kat. 5 no. 2.360-364 Mr-Ap '64.

Propagation of radiation within a volume bounded by a reflecting surface. G. B. Tkachuk. Opt. i spektr. 17 no. 2:265-271 Ag '64.

Reflection and transmission of radiation by thick layers of a turbid medium. Determining the parameters in G. V. Roxenberg's formulae. L. M. Romanova. Opt i spektr. 17 no 2:250-253 Ag '64.

Remarks on articles by IU. A. Kolbanovskii, A. M. Brodskii, L. S. Polak on the mechanism of radiolysis inhibition. V. A. Krongauz, Kh. S. Bagdasar'ian. Kin. i kat. 5 no. 2:358-359 Mr-Ap '64.

Size of a region whose mean albedo influences the total radiation at a given point. M.S.Averkiev. Meteor. i gidrol. no. 8:30-31 Ag '64.

Synthesis of semiconducting combined materials by the method of gas-phase grafted radiation polymerization. A. V. Vlasov and others. Dokl. AN SSSR 158 no. 1:141-142 S-O '64.

RADIATION—DOSAGE

Dosimetric gel systems and their importance in radiobiology. IU.D.Skoropad. Med.rad. 8 no.12:65-70 D '63.

Use of Co^{60} gamma sources as standard measures in determining the unit of exposure dose rates K K Aglintsev. Trudy inst Kom stand., mer i izm prib. no. 69 70-74 '62.

RADIATION—PHYSIOLOGICAL EFFECT

Blastomogenic action of human sarcoma tissue extracts on rats. A. I. Ageenko. Vop. onk. 9 no. 6:42-51 '63.

Nucleic acid content in Escherichia coli of different radioresistance. V. D. Zhestianikov. Dokl. AN SSSR 157 no.4:975-978 Ag '64.

Pathogenesis of changes in the blood system in chronic irradiation. G.D.Baisogolov. Med.rad. 8 no.12:25-30 D '63.

Radiation as one of the possible causes of carcinogenesis. IU. IA. Kerkis. Izv. Sib. otd. AN SSSR no. 10:125-138 '62.

Resistance of the crystalline lens of the newt to radiation and traumatizing actions. V. V. Popov, V.A.Golichenkov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:82-86 '64.

RADIATION—SAFETY MEASURES

Daily life, health, occupation. Sov profsoiuzy 20 no. 16:46 Ag '64.

Radiation-protective effect of gallates in irradiations with 1000 roentgens. V. A. Barabol. Fiziol. zhur. 10 no. 1:89-93 '64.

RADIATION-PROTECTIVE AGENTS

DNA decay caused by radiation as an experimental model for the evaluation of the efficiency of radioprotective substances. K. E. Krugliakova and others. Dokl. AN SSSR 157 no.4:979-981 Ag '64.

Gorodetskii, A. A., and others. [Radiation-protective properties of arylamides and arylhydrazides of thiocarboxylic acids] Protivoluchevye svoistva arilamidov i arilgidrazidov tiokarbonovykh kislot. Kiev, "Naukova dumka," 1964. 110 p.

RADIATION SICKNESS

Change in arterial pressure during hemorrhage in irradiated animals. M. A. Movsesian. Vop. rent. i onk. 7:163-175 '63.

Change in the quantity of sugar in the blood of irradiated animals in fatal bloodletting. M. A. Movsesian, L. Kh. Barkhudarian. Vop. rent. i onk. 7·213-218 '63.

Changes in the absorptive function of the reticuloendothelial system in acute radiation sickness complicated by hemorrhage. A. G. Magakian. Vop. rent. i onk. 7:227-232 '63.

Changes in the circulating blood volume in irradiated rabbits and their resistance to blood loss. M. A. Movsesian. Vop. rent. i onk. 7:183-192 '63.

Changes in the respiration center in rabbits suffering from acute radiation sickness. E.S.Mailian Vop. rent. i onk 7.193-198 '63

Characteristics and nature of toxic substances of the gastric juice in radiation sickness. S A. Akopian, L. Kh Kirakosian. Izv. AN Arm SSR Biol. nauki 15 no 12·35-44 D '62.

Characteristics of the action of drugs in acute radiation sickness; a review of the literature. P. P. Saksonov and others. Voen.-med. zhur. no. 1:44-50 '63.

Effect of adrenaline on the blood sugar level in animals suffering from acute radiation sickness complicated by hemorrhage L. Kh Barkhudarian Vop. rent. i onk. 7,219-225 '63.

Effect of bromine on secretory and situational conditioned reflexes in normal dogs and dogs exposed to X rays. O.N.Voevodina Farm. i toks. 26 no.2:146-140 Mr-Ap '63.

Experimental data on the increase of resistance in rats to radiation sickness following preliminary administration of tetracyclines A.M.Dumova, O.O.Chirkova. Med.rad. 8 no 12,50-55 D '63

Experimental myocarditis in acute radiation sickness. G.A.Krivkov, and others. Pat. fiziol. i eksp. terap. 6 no. 4:81-83 Jl-Ag '62.

Incomplete antibodies detected with the aid of Coombs' test in the blood of irradiated animals. R. V. Petrov, G M. L'vitsyna Pat fiziol. i eksp. terap. 6 no. 4:61-68 Jl-Ag '62.

Investigation of the possibility of producing immune serums easing the course of radiation sickness in experimental animals. V I. Fofanov, A.T Kravchenko Med.rad. 8 no.12:55-59 D '63.

Radiation-protective effect of gallates in irradiations with 1000 roentgens. V. A. Barabol. Fiziol. zhur. 10 no. 1:89-93 '64.

Results of the study of the functional condition of the central nervous system in ship radar operators. P. M. Golubchikov. Voen.-med. zhur. no. 1·70-74 '63.

Some principles of treating acute radiation sickness; a review of the literature. E. V. Zakrzhevskii, G. I. Alekseev. Voen.-med. zhur. no. 1:39-45 '63.

State of some indices of the blood coagulation system in acute and chronic experimental radiation sickness in hypothermia. T.N.Dzhaparidze Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz SSR 11:95-102 '63.

Studying the anaphylactogenic and reactogenic properties of heterogenous protein and synthetic plasma substitutes in acute radiation sickness. U. R. Karavaeu. Vestsi AN BSSR. Ser. biial. nav. no. 4:91-102 '62.

Therapeutic effect of ginseng in chronic radiation sickness in white rats. V.A.Matiukhin, G.M.Malanskii. Mat. k izuch. zhen', i drug. lek. rast. Dal'. Vost. no.5:137-141 '63.

Use of sulfanilamides and antibiotics in acute radiation sickness. V. I. Barbolin. Voen.-med. zhur. no. 1.50-53 '63.

RADIATORS

Central heating systems with tool steel radiators. Biul. stroi. tekh. 20 no 12:17-19 D '63

RADICALS (CHEMISTRY)

Changes in the amount of free radicals in the skeletal muscle during atrophy. IA. I Azhipa, L P. Kalushin, K. M. L'vov. Biofizika 7 no. 5:610-614 '62.

Chemiluminescent methods for determining the absolute rate constant of the rupture of peroxide radicals in the liquid phase A. A. Vichutinskii. Dokl AN SSSR 157 no 1:150-153 Jl '64

Formation of radicals by reaction between a hydroperoxide and a double bond of styrene. E.T. Denisov, L.N Denisova. Dokl. AN SSSR 157 no.4:907-909 Ag '64.

Interrelation of free radicals with the active transfer of sodium ions in the skin of frogs. Z. P. Kometiani Biofizika 8 no. 1.40-44 '63.

New method of estimating the relations of the rate constants in reactions between radicals and their acceptors. L. T. Bugaenko, V. M. Biakov. Dokl. AN SSSR 158 no. 1:186-188 S-O '64.

Pyridylthiazolylmethane series. Part 4: Nature and properties of pyridylthiazolylcarbonol radicals. V.G. Ermolaeva, M.N.Shchukina. Zhur.ob.khim 34 no.7:2404-2407 Jl '64.

Quantitative investigation of radical reactivity by the method of competing reactions. Reactions of a phenyl radical with phenol, aniline, and anisole. M. V. Basilevskii, Kh. S. Bagdasar'ian. Kin. i kat. 5 no. 2:215-220 Mr-Ap '64.

Stable radicals as antioxidants. M.B.Neiman, E.G. Rozantsev. Izv.AN SSSR.Ser.khim. no.7:1178-1184 Jl '64.

RADICALS (CHEMISTRY)—SPECTRA

Electron paramagnetic resonance spectra of HO_2 and DO_2 radicals obtained by freezing of the products of rarefied flames at 77°K. V. N. Panfilov. Kin. i kat. 5 no. 2:211-214 Mr-Ap '64.

RADIO

Integral noise distribution function at the output of a quadratic exponential-weight storage device. IU. S Lezin, O.V Zhukov. Trudy GPI 18 no 2:42-46 '62.

RADIO (Continued)

[Radio electronics abroad] Zarub. radioelek. no.7 Jl '64

69th anniversary of radio. Elektrosviaz' 18 no.5:1-2 My '64.

Teplov, N. L. [Interference rejection of discrete information transmitting systems] Pomekhoustoichivost' sistem peredachi diskretnoi informatsii. Moskva, Izd-vo "Sviaz'," 1964. 358 p.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' nos. 7-8 Jl-Ag '64.

RADIO—AUDIO-VISUAL AIDS

Zgut, M. A. [Visual aids in radio engineering] Nagliadnye posobiia po radiotekhnike. Izd. 2., perer. i dop. Moskva, Izd-vo "Sviaz'," 1964. 319 p.

RADIO—EQUIPMENT AND SUPPLIES

(see also subdivision under Japan, Minsk)

Exhibit of the "peoples laboratory." A. Grif Radio no. 1:12-13 Ja '64

Frolov, A. D. [Radio equipment assembly, basic design principles] Uzly radioapparatury, obshchie osnovy konstruirovaniia. Moskva, Izd-vo "Energiia," 1964. 409 p.

From the generator toward the antenna. O. Pavlov Tekh. i vooruzh. no. 3:12-17 Mr '64

In rainy and dry weather. N. Idaliuk. Tekh. i vooruzh no. 4:50-51 Mr '64.

RADIO—INTERFERENCE

Evaluation of signal distortion interrupted by determined noise. IA. G. Rollonov Trudy GPI 18 no. 2:51-56 '62

Experimental study of a method for suppressing impulse interference with a high repetition rate in radio reception by chopping the wide-band high-frequency channel. A. M. Shabalin. Trudy GPI 18 no 2:91-98 '62

Experimental study of a method for suppressing impulse interference with a high repetition rate in radio reception by chopping the wide-band high-frequency channel. A. M. Shabalin. Trudy GPI 18 no 2:91-98 '62.

Experimental study of a synchronous alternative for suppressing short term impulse noise by interrupting the reception of the channel during the action of the noise. M. Z. Arslanov. Trudy GPI 18 no 2:9-12 '62.

Method for suppressing impulse interference with a high repetition rate by chopping the wide-band high-frequency channel and using aperiodic band elimination filters. A. M. Shabalin Trudy GPI 18 no 2:74-90 '62.

Networks for realizing discontinuous limitation of impulse noise. M. V. Litvin. Trudy GPI 18 no 2:46-50 '62.

Passage of impulse noise through a synchronous detector. M. Z. Arslanov Trudy GPI 18 no. 2:5-8 '62

Possibility of using a compensation technique for suppressing noise in consolidating systems. IU. N Babanov, V. A. Belov. Trudy GPI 18 no 2:13-18 '62

RADIO—LABORATORY MANUALS

Kaznik, M. L. [Laboratory work in radio engineering] Laboratornye raboty po radiotekhnike. Moskva, Vysshaia shkola, 1964. 93 p.

RADIO—RECEIVERS AND RECEPTION

Balanced system for amplitude-phase reception of radiotelegraphy signals V. F. Riabkov Trudy GPI 18 no. 2:68-73 '62.

Experimental study of a synchronous alternative for suppressing short-term impulse noise by interrupting the reception of the channel during the action of the noise M. Z. Arslanov Trudy GPI 18 no 2:9-12 '62.

Increase of pulse noise interference rejection by means of amplitude-phase reception of radiotelegraphy signals. V. F. Riabkov. Trudy GPI 18 no 2:57-67 '62

Integration and filtration in synchronous reception of radio signals. V. M. Karshin. Elektrosviaz' 18 no. 8:21-30 Ag '64.

Method for suppressing impulse interference with a high repetition rate by chopping the wide-band high-frequency channel and using aperiodic band elimination filters A. M. Shabalin Trudy GPI 18 no 2:74-90 '62.

Passage of an impulse signal and noise through a system consisting of a frequency filter and two storage devices with delayed feedback. G. M. Bugrov, IU. S Lezin Trudy GPI 18 no. 2:33-41 '62.

Passage of impulse noise through a synchronous detector. M. Z. Arslanov. Trudy GPI 18 no. 2:5-8 '62.

RADIO—TRANSFORMERS

Our consultations. Radio no. 1:63-64 Ja '64.

RADIO, MILITARY

A soldier goes toward his aim.... S. Shapkin. Sov. voin 46 no. 9:25 My '64.

Study of radio vehicles by officers. IU. Klishin. Voen. vest. 44 no. 7:95-96 Jl '64.

Training of radiomen should be equal to the new demands; results of a discussion. P. Kitanitsa. Voen. vest. 44 no. 7:97-98 Jl '64.

RADIO AND MUSIC

From word to deed. M. Grinberg. Sov. muz. 28 no. 2:106-108 F '64

Musical broadcasting should have a high standard. Sov muz. 28 no. 2:109-113 F '64

RADIO ASTRONOMY

Radio-luminosity function of extragalactic sources. IU. P. Pskovskii. Astron. zhur. 41 no. 4:619-630 Jl-Ag '64.

Secular decrease of the flux of Cassiopeia-A in the centimeter wave range. V. P. Lastochkin, K. S. Stankevich. Astron. zhur. 41 no. 4:769-770 Jl-Ag '64.

Spectrum of radio emission of the discrete source of Cygnus-A. V. P. Lastochkin, IU. M. Sorin, K. S. Stankevich. Astron. zhur 41 no. 4:770-771 Jl-Ag '64.

Use of a quantum paramagnetic amplifier in radio astronomy. R. M. Martirosian, A. M. Prokhorov, R. L. Sorochenko. Dokl. AN SSSR 156 no. 6:1326-1328 Je '64.

RADIO CIRCUITS

Berestnev, P. D. [Transistor devices in radio circuits] Poluprovodnikovye pribory v radiotekhnicheskikh skhemakh. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 91 p.

Linear circuits. S. Sandler. Tekh. i vooruzh no. 3:17-24 Mr '64.

Study of a limiter with a nonlinear oscillatory stage N. M. Boldyrev Trudy GPI 18 no 2:19-32 '62

Transistorized amplitude detectors. I. Vasil'kevich. Radio no. 1:49-50, 52 Ja '64

RADIO CLUBS

Design bureau of a radio amateur club. V. Shikshnius Radio no 1:11 Ja '64.

Exhibit of the "peoples laboratory." A. Grif. Radio no. 1:12-13 Ja '64.

For mass participation and mastery of sport. A. Shurygin. Radio no 1:10 Ja '64

RADIO COMPASS

Radio compass for "fox hunting" games A. Grechikhin. Radio no. 1:25 Ja '64.

RADIO DIRECTION FINDERS

Radio compass for "fox hunting" games. A. Grechikhin. Radio no. 1:25 Ja '64.

RADIO FILTERS

Calculation of a capacitive filter. IA. Tetel'baum. Radio no. 1:47-48 Ja '64.

Networks for realizing discontinuous limitation of impulse noise. M. V. Litvin Trudy GPI 18 no. 2:46-50 '62.

Passage of an impulse signal and noise through a system consisting of a frequency filter and two storage devices with delayed feedback. G. M. Bugrov, IU. S. Lezin Trudy GPI 18 no. 2:33-41 '62

Single-sideband electromechanical disc filter. K. Shul'gin. Radio no. 1:22-24 Ja '64.

RADIO LINES

Effects at the nearest terminal between the circuits of a single quadded cable with shifted amplifiers. I. A. Koshcheev. Elektrosviaz' 18 no. 5:40-45 My '64.

Possibility of using a compensation technique for suppressing noise in consolidating systems IU. N. Babanov, V. A. Belov Trudy GPI 18 no. 2:13-18 '62.

RADIO MEASUREMENTS

Coincidence circuit for studying rapidly varying phase relationships. V. V. Molebnyi. Izv. vys. ucheb. zav.; radiotekh. 7 no. 2:246-249 Mr-Ap '64.

Comparison of fluctuation errors of phase measuring and correlation-type measuring systems. V. V. TSvetnov. Radiotekh. i elektron. 9 no. 7:1159-1172 Jl '64.

Indicator for multiprogram broadcasting systems. P. Dubult, M. Shenberg Radio no. 1:56-57, 59 Ja '64.

System for measuring the correlation factor. V. A. Prianishnikov. Elektrosviaz' 18 no. 8:56-64 Ag '64.

RADIO OPERATORS

In the direction of the flag of "spartakiada." Radio no. 1:8-9 Ja '64.

New classification requirements and norms. Radio no. 1:16-17 Ja '64.

Voices of the champions. Radio no. 1:6-7 Ja '64.

A winer of a silver medal. S. Aslezov. Radio no. 1:15 Ja '64.

RADIO OPERATORS—REWARDS (PRIZES, ETC.)

Recipients of awards. Radio no. 1:12-14 Ja '64.

RADIO PLAYS

Dzhamilia and others. Aleksandr German. Teatr 24 no. 8:78-79 Ag '63.

RADIO RELAY SYSTEMS

Large radio relay lines broaden the horizons of television. V. Samonchkin, S. Glatman. Radio no. 1:3-5 Ja '64.

RADIO WAVES

Nomograms for determining the module and phase of the reflection coefficients of radio waves. V. S. Panchenko. Izv. vys. ucheb. zav.; radiotekh. 7 no. 2:139-146 Mr-Ap '64.

Study of the fluctuation of group delay time in long-distance tropospheric propagation of radio waves. V. N. Troitskii. Elektrosviaz' 18 no. 8:9-16 Ag '64.

RADIOACTIVE FALLOUT

Effect of solar radiation on the propagation of the radioactive products of nuclear explosions in the atmosphere D. L. Simonenko Atom energ 17 no 2:130-136 Ag '64

Effect of surface irregularities on a gamma field over an area contaminated with radioactive fallout. IU. A. Izrael'. Atom. energ 17 no 2:137-140 Ag '64

RADIOACTIVE SUBSTANCES

(see also subdivision under Pripet Valley)

Efendiev, G. Kh., R. A. Alekperov, and A. N. Nuriev. [Problems of the geochemistry of radioactive elements in oil fields] Voprosy geokhimii radioaktivnykh elementov neftianykh mestorozhdenii. Baky, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1964. 149 p.

RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS

Akademiia nauk URSR, Kiev. [Use of radiation in automation, isotopes and nuclear radiation in science and technology] Radiatsionnaia avtomatika, izotopy i iadernye izlucheniia v nauke i tekhnike. Kiev, 1964. 193 p.

RADIOACTIVE TRACERS

Study of the functional state of the thyroid gland using radioactive tracers. K. L. Giorgadze, V. K. Modestov, A. Kh. Mirkhodzhaev. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:91-94 '63.

RADIOACTIVE WASTE DISPOSAL

Study of the treatment and burial of radioactive waste. B. S. Kolychev Atom energ. 17 no 2:154-156 Ag '64

RADIOACTIVITY

Investigating the structure of a fluidized bed by the radioactive method. A. A. Akhromenkov, A. S. Kruglov. Khim. i tekh. topl. i masel 9 no. 4:61-64 Ap '64.

Pertsov, L. A. [Natural radioactivity of the biosphere] Prirodnaia radioaktivnost' biosfery. Moskva, Atomizdat, 1964. 314 p.

Results of a great discovery, 30th anniversary of the discovery of artificial radioactivity V. I. Gol'danskii. Vest AN SSSR 34 no 7:31-35 Jl '64.

RADIOACTIVITY—INSTRUMENTS

Dosimetric devices. A. Teplov. Voen. znan. 40 no. 7:28-29 Jl '64.

RADIOACTIVITY—MEASUREMENT

Possibility of testing radiochemical purity of preparations by the radioenzymic method. A. A. Shatalova, G. I. Meerov. Med. rad. 8 no. 12:62-64 D '63.

RADIOACTIVITY—SAFETY MEASURES

Use of concrete in fixing hydroxide sediments containing radioactive elements. IU. M. Butt and others Atom energ. 17 no. 2:124-129 Ag '64.

RADIOARGON DATING

Comparative study of the age of micas, amphiboles, and pyroxenes by argon dating. E. K. Gerling, T. V. Kol'tsova, S. S. IAkovleva. Trudy Lab. geol. dokem. no. 19:204-219 '64.

RADIOBIOLOGY

Pertsov, L. A. [Natural radioactivity of the biosphere] Prirodnaia radioaktivnost' biosfery. Moskva, Atomizdat, 1964. 314 p.

RADIOBIOLOGY—RESEARCH

One of the possibilities of using the theory of tolerance limits in radiobiological experiments. V. M. Malykhin. Med. rad. 8 no. 12:60-61 D '63.

RADIOBROADCASTING

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po radioveshchaniiu i televideniiu. Nauchno-metodicheskii otdel. [With a microphone on the 45th parallel] S mikrofonom po 45-i paralleli. Moskva, 1962. 140 p. [MICROFILM]

RADIOCHEMISTRY

Conference on Radiochemistry. N. Spolosov. Atom. energ. 17 no. 2:153-154 Ag '64.

Radiolysis of cyclohexane. Effect of the temperature and the aggregate state of cyclohexane. V. I. Makarov, L. S. Polak. Neftekhimiia 4 no. 2:314-319 Mr-Ap '64.

RADIOGENETICS

Cytology of the radiation gynogenesis and androgenesis in the pond loach (Misgurnus fossilis L.). D. D. Romashov, V. N. Beliaeva. Dokl. AN SSSR 157 no. 4:964-967 Ag '64.

RADIOGRAPHY

Camera for X-ray photography of dislocations in large crystals V F M[illegible] Kristallografiia 8 no 2 255-2[illegible]3 Mr-Ap '63

Cineroentgenography in urology. A.S Portnoi, IU.A. Pytel'. Urologiia no 1 62-71 '64.

Effect of packing defects on the position of the (301) line in an X-ray photograph of a metal with a face-centered cubic lattice IA D Vishniakov, IA S Umanskii Kristallografiia 8 no 2 273-275 Mr-Ap '63

X-ray and bronchoscopic parallels in the clinical aspects and diagnosis of tracheal and bronchial tuberculosis N IA Krasova, Z A Shilaeva Probl.tub 42 no.1 22-23 '64

RADIOISOTOPES

Akademiia nauk SSSR. Zoologicheskii institut. [Radioactive isotopes in hydrobiology and the methods of sanitary hydrobiology] Radioaktivnye izotopy v gidrobiologii i metody sanitarnoi gidrobiologii. Otv. red V.I. Zhadin. Moskva, Nauka, 1964. 191 p.

State of radioisotopes in very thinly diluted solutions studied by the diffusion method. I E Starik, F.L. Ginzburg, B N.Raevskii Dokl AN SSSR 157 no 4: 926-929 Ag '64

RADIOISOTOPES—BIBLIOGRAPHY see Bibliography—Radioisotopes

RADIOISOTOPES—INDUSTRIAL APPLICATION

Determination of vibration modes for settling a concrete solution using radioactive isotopes V A Volokhov Energ stroi no 33:53-59 '63

Selecting the parameters of planar irradiators of irradiation units F.A Makhlis Atom energ 17 no 2 147-149 Ag '64

RADIOISOTOPES—INDUSTRIAL APPLICATION—BIBLIOGRAPHY see Bibliography—Radioisotopes—Industrial application

RADIOISOTOPES—THERAPEUTIC USE

Effect of radioactive isotopes in some dermatoses A.V. Braitsev, A.S. Bezzabotnov. Med. rad. 7 no. 9:51-55 S '62.

RADIOISOTOPES—TOXICOLOGY

Review of the collection of papers "Materials on the toxicology of radioactive substances " V F Zhuravlev, I K Petrovich Med rad 8 no.12,81-83 D '63.

RADIOISOTOPES IN THE BODY

Effect of complex-forming substances on the magnitude of the tissue dose of radiation in the kidneys following administration of radioactive substances. L.A Il'in and others Med.rad. 8 no 12 43-47 D '63

RADIOLOGY, MEDICAL

Work of the radiological groups of sanitary-epidemiological stations M A Sobolevskii Zdrav Ros Feder 8 no 1 9-13 Ja '64

RADIOLOGY, MEDICAL—PERIODICALS see subdivision under Germany, West

RADIOMETER

Apparatus for measuring external alpha and beta emissions and the relative nonuniformity of the distribution of activity over the surfaces of large distributed alpha and beta emitters V IA Alekseev and others Trudy inst Kom stand mer i izm prib no 69 23-41 '62

USCh-1 plant for absolute activity measurements of alpha emitters V IA Alekseev, A A Konstantinov Trudy inst.Kom stand , mer i izm prib no 69 5-12 '62

USCh-2 plant for absolute activity measurements of beta emitters A A Konstantinov, A E Kochin Trudy inst. Kom stand , mer i izm prib no 69 13-22 '62

RADIOMETRY

Apparatus for comparison of neutron sources of identical spectral composition V.I Fominykh, I A IAritsyna Trudy inst Kom stand , mer i izm.prib no 69 75-85 '62

Certain corrections applied in establishing the roentgen equivalent by a 250 — 3000 Kev standard instrument M F IUdin. Trudy inst Kom stand , mer i izm prib no 69 56-69 '62.

Dosimetric characteristics of radiation therapy of nontumorous diseases. A.N. Krongauz. Med. rad. 7 no. 9:17-19 S '62.

Measuring the activity of beta emitters by means of an ionization chamber K K Aglintsev, E P Moskvina, S A Rusinova Trudy inst Kom stand , mer i izm prib no 69 42-55 '62.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOSONDES

Calibration of radiosondes to a hundred degrees below zero A E Shchekin Meteor i gidrol. no 6 49-51 Je '64

Methods for processing radiosonde observations for calculating the standard atmosphere Z.I. Gavrilova, O.B. Mertsalova. Trudy NIIAK no. 24:18-22 '63.

RADIOTELEGRAPH

Balanced system for amplitude-phase reception of radiotelegraphy signals V F Riabkov Trudy GPI 18 no 2 65 73 '62

Device for analyzing the statistical characteristics of a radiotelegraph communication channel V E.Bukhviner. Elektrosviaz' 18 no.5:53-63 My '64.

Increase of pulse noise interference rejection by means of amplitude-phase reception of radiotelegraphy signals V F Riabkov Trudy GPI 18 no 2 57-67 '62

RADIOTELEPHONE

Analysis of the operation of the electrical circuit of selective call receiver using difference relays in a mobile radiotelephone system. G A.Grinev. Elektrosviaz' 18 no.5:69-74 My '64.

RADIOTHERAPY

Balmukhanov, S. B., and K.I Zholkiver. [Megavolt radiation therapy] Megavol'tnaia luchevaia terapiia. Alma-Ata, Kazakhskoe gos. Izd-vo, 1963 286 p (DNLM)

Cancer of the thyroid gland in children. S.B. Pinskii, A.P.Kalinin. Vop.onk. 10 no.3:72-77 '64.

Clinical aspects, diagnosis and treatment of chorioepithelioma. I.P.Gomeniuk. Akush.i gin. 40 no.1: 117-121 Ja-F '64.

Current state of using roentgenological epilation in the treatment of patients with mycoses of the scalp. A.M. Arievich, A.S. Bezzabotnov. Med. rad. 7 no. 9.42-48 S '62.

Dosimetric characteristics of radiation therapy of nontumorous diseases. A.N. Krongauz. Med. rad. 7 no. 9 17-19 S '62.

Introduction to the symposium. B.A. TSybul'skii. Med. rad. 7 no. 9:5-6 S '62.

Is radiation therapy necessary in contemporary treatment of tuberculosis of various localizations in infants? K.A. Moskacheva. Med.rad. 7 no. 9:32-36 S '62.

Late results of radiotherapy of a giant cell tumor of the bone (osteoblastoclastoma). L.A. Odesskaia-Mel'nikova, I.N. Odesskii. Vop. onk. 9 no. 6:16-24 '63.

Mesodermal mixed tumors of the cervix uteri. IA.V. Bokhman, N.M. Ainbinder. Vop. onk. 9 no. 6:82-87 '63.

Radiation therapy in nervous diseases. M.D. Gal'perin. Med. rad. 7 no. 9 62-66 S '62.

Radiation therapy in thyrotoxicosis. I.B. Khavin. Med. rad. 7 no. 9:71-76 S '62.

Radiation therapy of nontumorous diseases. A.V. Kozlova. Med. rad. 7 no. 9:7-12 S '62.

Radiation therapy of nontumorous diseases and prospects for its evolution. E.N. Mozharova and others. Med. rad. 7 no. 9:12-16 S '62.

Recommendations of the symposium regarding the problem of radiation therapy of nontumorous diseases. Med. rad. 7 no. 9:81-83 S '62.

Results of semicarbazide-cadmium therapy in patients with malignant tumors in incurable stage. M.L. Volokhonskaia and others. Vop. onk. 9 no. 6:92-104 '63.

Role of radiation therapy in acute and chronic inflammatory diseases. I.A. Pereslegin. Med. rad. 7 no. 9: 28-32 S '62.

X-ray therapy of chronic eczemas and neurodermatitis. N.A. Pereslení, IU.I. Karibov, M.L. Zil'bergol'ts. Med. rad. 7 no. 9:46-50 S '62.

RADISHES

Effect of different illumination conditions on the anatomicomorphological structure of radish leaves. L.A. Khodorenko, I.A. Shul'gin. Nauch dokl. vys. shkoly; biol. nauki no 3:149-153 '64.

RADIUM—TOXICOLOGY see subdivision under United States

RADIUM ISOTOPES—DECAY

Alpha-decay of Ra^{222} and the level structure of radon isotopes. K.B. Baktybaev, G.M. Bukat. Izv. AN SSSR. Ser. fiz. 28 no 7:1203-1206 Jl '64.

RADON—THERAPEUTIC USE

Mineral water resources of the Lipovskoye Springs of medicinal radon waters in the Urals. V.IA. Kulakova Vop kur., fizioter. i lech. fiz kul't no. 6:556-557 '63.

RADON ISOTOPES

Alpha-decay of Ra^{222} and the level structure of radon isotopes. K.B. Baktybaev, G M. Bukat. Izv. AN SSSR. Ser. fiz. 28 no. 7:1203-1206 Jl '64.

RAILROAD BRIDGES

Bridge road laid on reinforced concrete slabs without the use of ballast. D.I. Vasil'ev, A M. Nemzer. Zhel dor transp. 46 no 1:40-42 Ja '64.

Sinking wells in compact clay ground. V.F. Solokhin. Transp. stroi. 13 no. 10:13-14 O '63.

RAILROAD BRIDGES—DESIGN AND CONSTRUCTION

Installing bridge seats by the coupled block method. M.N. Skotnikov. Transp. stroi. 13 no. 10:17-19 O '63.

RAILROAD BRIDGES—FOUNDATIONS AND PIERS

Installing bridge foundations on shelled piles with widening by underground explosion. I.G. Bypov, V.A. Koter, M IA. Shklovskii. Transp. stroi 13 no 10,14-17 O '63.

RAILROAD LAW

New statue for the U.S.S.R. railroads. V.G Orlov. Zhel dor transp 46 no 7:13-18 Jl '64.

RAILROAD RESEARCH

Authority of the society has increased. NTO 5 no. 12: 45 D '63.

In the Collegium of the Ministry of Railroad Transportation; further improvement of research work. Zhel dor. transp. 46 no. 7:56-57 Jl '64

In the departments and laboratories of the Central Scientific and Research Institute of the Ministry of Railroad Transportation. Vest. TSNII MPS 23 no. 4: 58 '64.

RAILROADS

(see also subdivision under Kazakhstan; Moscow Province; Siberia)

Cars for technical propaganda at construction sites. V.I. Uglitskii, V.I. Somin, V.S. Krivoshein. Transp. stroi. 13 no. 10:8-9 O '63.

Khazen, M. M., I.I. Ivanov, and S.S. Aronovich. [Heat and power systems] Teplosilovoe khoziaistvo. Moskva, Transport, 1964 329 p.

Looking through old magazines Transp. stroi. 14 no 1: 58 Ja '64.

Railroad news. Zhel. dor. transp. 46 no. 1:93 Ja '64

Railroads are facing new tasks; editorial. Zhel dor transp. 46 no. 1:3-7 Ja '64.

Simulation of the systems of railroad automation by means of digital computers. V.A. Mikheev. Vest. TSNII MPS 23 no. 4:57-60 '64.

Widen the road toward the new, advanced and progressive developments; editorial. Zhel. dor. transp 46 no 7: 3-6 Jl '64.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur. - Zhel. dor. transp. nos. 8-9 Ag-S '64.

RAILROADS—ACCOUNTING

Improve the accounting for fuel and electric power consumption. L M. Pertsovskii. Zhel. dor. transp. 46 no. 1:20-23 Ja '64.

RAILROADS—BIBLIOGRAPHY see Bibliography—Railroads

RAILROADS—BRAKES

Determining the coefficient of braking in a moving train. I.G. Levin, B.D Nikiforov. Trudy Ural. elektromekh inst. inzh. zhel. dor transp. no. 5:127-137 '62.

Krylov, V.I., and V.P. Tolkachev. [Automatic brakes] Avtomaticheskie tormoza. Moskva, Izd-vo "Transport," 1964. 286 p. (diagrs. insert)

Selecting the parameters of electro-pneumatic brakes. V.G. Inozemtsev. Vest. TSNII MPS 23 no. 4:25-30 '64.

Sight braking of cars in the hump area of classification yards. E.Z. Varganov. Zhel. dor. transp 46 no. 7: 78-79 Jl '64.

RAILROADS—CARS

High-speed rail motorcar for the track personnel. Zhel. dor. transp. 46 no. 7:83 Jl '64.

RAILROADS—CARS—DESIGN AND CONSTRUCTION

Strength of the assemblies of an experimental car made from aluminum alloys. V.N. Maksimov, V.S. Shatavskii, I.A. Moiseev. Vest. TSNII MPS 23 no. 4:3-7 '64.

RAILROADS—CARS—LIGHTING

Lighting of passenger cars. K.P. Belov. Zhel. dor. transp. 46 no. 7:94-95 Jl '64.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Consolidated technical and commercial car inspection Zhel. dor. transp. 46 no. 7:60 Jl '64.

Guaranteed train runs without need for the removal of defective cars. M.N. Movshovich. Zhel. dor. transp. 46 no. 1.75-76 Ja '64.

RAILROADS—COMMUTING TRAFFIC

Ponomarev, S.A. [Long-term planning of suburban passenger transportation; on railroad lines and sections] Perspektivnoe planirovanie prigorodnykh perevozok passazhirov; na otdelenii i zheleznoi doroge. Moskva, "Transport," 1964. 34 p.

RAILROADS—COSTS

Calculation of optimum load in construction organizations V.I. Levin. Transp stroi. 13 no. 10:45-47 O '63.

RAILROADS—CURVES AND TURNOUTS

Rated formulas of the rise of the outer rail on curves and its diverting. P.G. Kozlichuk. Vest. TSNII MPS 23 no. 4:47-50 '64.

RAILROADS—DESIGN AND CONSTRUCTION

(see also subdivision under Russia, Northwestern, Russia, Southern; Siberia; Soviet Central Asia)

Develop technical and economic design models of new railroads. A.O. Til'man, B.V. IAkovlev. Transp stroi. 13 no. 10:50-52 O '63.

The duty of each designer. V.S. Tereshin. Transp. stroi. 13 no. 10:60-63 O '63.

On a great drive. B.I. Levin. Transp. stroi. 14 no. 1:4-5 Ja '64

RAILROADS—EARTHWORK
(see also subdivision under Karaganda Province, Moscow; Siberia)

Layout of longitudinal sections in peat. A. P. Glyzin. Transp. stroi. 13 no. 10:9-10 O '63.

RAILROADS—EARTHWORK—COSTS

Effect of shifting mechanized crews on the cost of earthwork E P. Isaenko Transp stroi 14 no 1 37-38 39 Ja '64

RAILROADS—ELECTRIFICATION

Campaign of the CPSU for the electrification of railroad transportation. M. E. Plekhanov Trudy Ural. elektromekh inst inzh zhel dor transp. no 5:3-14 '62

Electric traction on foreign railroads L. A. Visloukh. Zhel. dor. transp. 46 no. 1 83-90 Ja '64

New electric lines. N. V TSerkovnitskii Transp stroi. 14 no 1 12-13 Ja '64

RAILROADS—EMPLOYEES—DISEASES AND HYGIENE

Kariagina, N. S., and V. V. Medvedev. [Labor protection in car operation, maintenance and repair] Okhrana truda v vagonnom khoziaistve. Moskva, Izd-vo "Transport," 1964. 207 p.

RAILROADS—EMPLOYEES—HOURS OF SERVICE

Important potentials for the improvement of work conditions and rest periods of locomotive crews A. D Belousov, A. I. Shestakov. Zhel dor. transp. 46 no 7: 38-39 Jl '64.

RAILROADS—EQUIPMENT AND SUPPLIES

New cleaning machine for station platforms. A. E. Kleimenov. Zhel. dor. transp. 16 no. 1.61- Ja '64

New inventions. Zhel. dor. transp. 46 no. 1:79-80 Ja '64.

Use of rubber in the assemblies of the rolling stock and track structure. L. E. Vinitskii Zhel dor transp. 46 no. 7:79-80 Jl '64.

RAILROADS—FINANCE

Important economic problem. A. P. Ivanov. Zhel. dor. transp 46 no 1:92 Ja '64.

RAILROADS—FREIGHT

Bases for the making up of classified freight trains and their efficiency N. E. Borovoi Zhel. dor transp 46 no. 1·17-20 Je '64.

Coordinated development and distribution of the freight organizations for railroads. IU. N. Tikhonchuk. Transp. stroi. 13 no. 10,52-53 O '63.

Determining the efficiency of the concentration of freight operations in a reduced number of stations. V. V. Povorozhenko. Zhel. dor. transp. 46 no. 1:57-60 Ja '64.

Improving the organization of car flows in lumber transportation. L. P. Kairo. Zhel. dor. transp. 46 no. 1·13-16 Ja '64

New statute for the U. S. S. R. railroads. V. G. Orlov. Zhel. dor. transp. 46 no. 7:13-18 Jl '64.

Potentials for a further acceleration of freight delivery. M. I. Denisov. Zhel. dor. transp. 46 no 1·8-13 Je '64.

Use the cars with greater efficiency. Zhel. dor. transp. 46 no. 7:7-13 Jl '64.

RAILROADS—FREIGHT CARS

Effect of cargoes on the magnitude of impact loads in collisions of logging cars. N. A. Gaidar. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:92-98 '63.

Efficiency of the use of heavy gondola cars without hatches. L. A Shadur, V V Lukin. Zhel dor. transp. 46 no. 7:40-42 Jl '64.

New type of high-capacity flatcars L. I. Gorshkov, L. D. Kuz'mich. Zhel. dor. transp. 46 no. 1:37-39 Ja '64.

RAILROADS—FREIGHT CARS—WELDING

Automatic welding of longitudinal bearers in the frame of freight cars. G. I. Khmel'nitskii Avtom. svar. 17 no. 7:61-63 Jl '64.

RAILROADS—GRADES

Inclines for multiple traction. V. U. Gots. Transp. stroi. 14 no 1·47 Ja '64

RAILROADS—GUIDES

[Useful information for travelers; a brief guide] Eto polezno znat' passazhiru; kratkii spravochnik. Moskva, Izd-vo "Transport," 1964. 93 p.

RAILROADS—HUMP YARDS

Information and accounting center of a classification yard. P. I. Moskalev, P. R. Potapov. Zhel. dor. transp. 46 no. 1:68-70 Ja '64.

Sight braking of cars in the hump area of classification yards. E. Z Varganov Zhel. dor. transp. 46 no. 7· 78-79 Jl '64

Standard technological procedures in the operation of classification yards. F. P. Sadikov. Zhel. dor. transp. 46 no. 7:87-88 Jl '64.

What are the advantages of concentrated classification operations? I E Trubnikov and others. Zhel. dor transp. 46 no. 7:32-37 Jl '64.

RAILROADS—JOINT USE OF FACILITIES

Uniform technology accelerates car turnover M. A. Rappoport. Zhel. dor. transp 46 no 7:81-83 Jl '64

RAILROADS—LABOR PRODUCTIVITY

Measures for a further increase of labor productivity. Zhel. dor. transp. 46 no. 7:84-85 Jl '64

RAILROADS—MAINTENANCE AND REPAIR

Signaling as train safety guard during car repairing. P. V Samarskii Zhel dor. transp 46 no. 1·77 Ja '64

RAILROADS—MAKING UP TRAINS

Bases for the making up of classified freight trains and their efficiency. N. E. Borovoi. Zhel dor transp. 46 no. 1.17-20 Ja '64.

RAILROADS—MANAGEMENT
(see also subdivision under Caucasus, Northern; Magnitogorsk)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Establishing the norms for industrial supplies of materials and spare parts in locomotive and car depots; methodological manual] Normirovanie proizvodstvennykh zapasov materialov i zapasnykh chastei v lokomotivnykh i vagonnykh depo; metodicheskoe posobie. Moskva, Transport, 1964. 29 p.

Principles of volunteer participation in economics work. G. I Laptev Zhel. dor. transp. 46 no. 1.65-67 Ja '64.

Savings of car-hours in every feature of car handling processes. V. A. Kuprin, S. V. Konstantinov Zhel dor. transp. 46 no. 7:70-72 Jl '64

Technical and economic efficiency of automating accounting and control in transportation processes. N. I. Evplov. Zhel dor transp. 46 no. 1:24-26 Ja '61.

Use of electronic computers for the calculation of technical norms in operational work. A. G. Tilichenko, A. K. Pogrebnoi, N. N. Mazur. Zhel dor. transp. 46 no. 1.78 Ja '64

What is new in the Regulations for the Technical Operation? Zhel. dor. transp. 46 no. 7:61-63 Jl '64.

RAILROADS—PASSENGER CARS

Characteristics of passenger car trucks and results of their testing. A. A. Dolmatov. Zhel dor. transp. 46 no. 7:43-45 Jl '64.

Polymeric materials in the building of passenger cars. M. E. Shenderovich. Zhel. dor transp. 46 no. 7:45-48 Jl '64.

Strength of the assemblies of a double-deck passenger car. M. P. Pesis. Vest. TSNII MPS 23 no. 4:11-14 '64.

RAILROADS—PASSENGER TRAFFIC

Cooperation between railroad and automotive transportation in the transport of passengers. V. K. IArnov Zhel. dor. transp. 46 no. 7:77-78 Jl '64.

Improving the organization of passenger transportation. L. A. Karpov. Zhel. dor. transp. 46 no. 7:19-26 Jl '64.

RAILROADS—REPAIR SHOPS
(see also subdivision under Novorossiysk, Krasnodar Territory)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Establishing the norms for industrial supplies of materials and spare parts in locomotive and car depots; methodological manual] Normirovanie proizvodstvennykh zapasov materialov i zapasnykh chastei v lokomotivnykh i vagonnykh depo; metodicheskoe posobie. Moskva, Transport, 1964. 29 p.

RAILROADS—ROLLING STOCK

Effect of the radial clearances on the service life of roller bearings. I. V. Slushkin. Vest. TSNII MPS 23 no. 4:32-35 '64.

RAILROADS—SAFETY MEASURES

Kariagina, N. S., and V. V. Medvedev. [Labor protection in car operation, maintenance and repair] Okhrana truda v vagonnom khoziaistve. Moskva, Izd-vo "Transport," 1964. 207 p.

RAILROADS—SANITATION

Sanitary treatment of cars and distribution of the disinfection and washing stations. I. A. Netyl'kin. Zhel. dor. transp. 46 no. 7:53-55 Jl '64.

RAILROADS—SIGNALING
(see also subdivision under Dnepropetrovsk)

Signaling as train safety guard during car repairing. P. V. Samarskii. Zhel. dor. transp. 46 no. 1:77 Ja '64.

Transformer chain for the transmission of mechanical remote control signals. S. B. Karvatskii. Vest. TSNII MPS 23 no. 4:43-47 '64.

RAILROADS—SIGNALING—CENTRALIZED—TRAFFIC CONTROL

New electric lines N. V. TSerkovnitskii. Transp. stroi 14 no. 1:12-13 Ja '64.

RAILROADS—SNOW PROTECTION AND REMOVAL see subdivision under Russia, Northern

RAILROADS—STATIONS
(see also subdivision under Liege; Moscow)

Effect of the concentrated force applied to the soil surface on a bulkhead P. P. Chebota Izv. vys. ucheb. zav.; les. zhur. 6 no 3:99-101 '63.

RAILROADS—TECHNOLOGICAL INNOVATIONS

Contest for the best proposal Zhel. dor. transp. 46 no. 7:86-87 Jl '64

New developments in foreign technology. Zhel dor. transp. 46 no. 1:90-91 Ja '64.

Pages about a life. A. Lander. NTO 6 no. 5:47-49 My '64.

RAILROADS—TIES, CONCRETE

Lengthening the service life of reinforced concrete ties S. V. Amelin, G. E Andreev, A E. Karolim. Zhel. dor transp. 46 no 7:49-53 Jl '64

RAILROADS—TRACK
(see also subdivision under France)

Stock temporary railroad tracks for industrial construction. S IU Fukson, V Shevchenko, M. IU. Dashevskii. Prom stroi 41 no 7.44-45 Jl '64

Technical instructions for designing 750mm railroad tracks. Biul. stroi. tekh 20 no. 12 14-15 D '63.

RAILROADS—TRAFFIC

Achieving a greater traffic volume with a smaller fleet of locomotives. G. I. Golovchenko. Zhel. dor. transp 46 no. 7:26-32 Jl '64

Problems of the improvement of car flows within a railroad line. N. P Solov'eva. Zhel. dor. transp. 46 no. 1 52-56 Ja '64.

RAILROADS—TRAINS

New regulations of train movement and maneuvering. I. V. Zubov Zhel. dor. transp. 46 no. 7:58-61 Jl '64

RAILROADS, INDUSTRIAL

Investigating special railroads in metallurgical plants operating under heavy loads M A Frishman and others. Stal' 23 no. 4:382-383 Ap '64

RAILROADS, INDUSTRIAL—EQUIPMENT AND SUPPLIES

New developments in industrial transportation. B. A. Dlugach. Zhel. dor transp. 46 no. 7:90-94 Jl '64.

RAILROADS, NARROW-GAUGE—SWITCHES

Mechanizing the laying and relaying of switching systems on narrow-gauge logging railroads. B. I. Kuvaldin, G. P. Egorov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:54-59 '63.

RAILROADS, NARROW-GAUGE—TRACK

Using wood sawdust in the construction of logging railroad tracks. F. V. Kokovkin, C. C. Petrov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:163-165 '63.

RAIN AND RAINFALL
(see also subdivision under Ukraine)

Calculation of runoff when the seat of a shower moves V. A. Maksimov Meteor i gidrol. no 7 16-18 Jl '64

Lebedev, A. N. [Atlas of maps and nomograms for calculating the characteristics of the duration of precipitation in periods with rain and without rain on the territory of the U. S. S. R.] Atlas kart i nomogram dlia rascheta kharakteristik prodolzhitel'nosti osadkov periodov s dozhdiami i bez dozhdei na territorii SSSR. Leningrad, Gidrometeoizdat, 1964. 85 p.

Theory of measuring raindrop sizes by the acoustic method. V. V. Mikhailovskaia. Trudy GGO no. 157: 48-53 '64

RAMAN EFFECT

A laser based on Raman scattering. V. S. Mashkevych. Ukr. fiz. zhur. 8 no. 9:1032-1035 S '63.

RAMS—FEEDING AND FEEDS

Optimal type of feeding male breeding stock. V. K. Milovanov, M. V. Sytina, V. G. Kuleshova. Trudy VIZH 25:70-87 '63.

RANGE FINDING

Adjustment of fire with a scale. P. Chasovskoi. Voen. vest. 44 no. 7:87-88 Jl '64.

Creating an imaginary check point with the aid of a range finder. V. Bukhtiiarov, I. Golubev, M. Bogopol'skii. Voen. vest. 44 no. 7:88-90 Jl '64.

Device for adjustment of fire. S. Larin. Voen. vest. 44 no. 7:109-111 Jl '64.

Faster and simpler. A. Korchinskii. Voen. vest. 44 no. 7:107-108 Jl '64.

Plotting board for determining distance and direction of fire. M. Syrkov. Voen. vest. 43 no. 4:108-109 Ap '64.

Shorten the time of preparation for fire. IU. Vinogradov. Voen. vest. 44 no. 7:85-87 Jl '64.

Use of the flicker method in measuring distances with an SVV-I range finder. A. V. Kondrashkov, M. V. Ratynskii. Izv. vys. ucheb. zav.; geod i aerof. no. 5: 49-60 '63.

RARE-EARTH COMPOUNDS

Crystal structure of RPb$_3$ compounds in the systems rare-earth metal-lead IU.B Kuz'ma, R V Skolozdra, V IA Markiv. Dop AN URSR no 8 1070-1072 '64

Hydroxocitrates of yttrium, potassium, and some rare-earth elements N.A.Skorik, V V.Serebrennikov. Zhur.neorg.khim 9 no.6:1483-1485 Je '64

Rare earth zirconates and their physicochemical properties Report No.1 Zirconates of lanthanum, neodymium, and cerium Fan Fu-ken [Fang Fu-k'ang], A.K Kuznetsov, E.K.Keler Izv AN SSSR Ser khim no.7:1151-1157 Jl '64.

Stability of complex compounds of lanthanum, praseodymium and neodymium with glycocoll I M Batiaev, S.V. Larionov, Izv Sib otd AN SSSR no 12:69-74 '62.

RARE EARTH HALIDES

Rare-earth halides of low degree of oxidation G I. Novikov, O.G. Poliachenok Usp khim 33 no 6,732-747 Je '64

RARE-EARTH METALS

Anomalies of the Young's modulus in rare earth ferromagnetic elements K. P. Belov and others. Fiz. met. i metalloved 17 no 4 617-619 Ap '64.

Place of lanthanides and actinides in the D.I. Mendeleev periodic system of elements and the shift of analog elements in accordance with their chemical properties. V.K.Grigorovich. Trudy Inst.met. no.14:188-211 '63.

Samsonov, G.V. [High melting compounds of rare-earth metals with nonmetals] Tugoplavkie soedineniia redkozemel'nykh metallov s nemetallami. Moskva, Izd-vo "Metallurgiia," 1964. 242 p.

RARE-EARTH METALS—METALLOGRAPHY

Vsesoiuznoe soveshchanie po splavam redkikh metallov. 1963. [Theory of rare-earth metals and their applications, materials] Voprosy teorii i primeneniia redkozemel'nykh metallov; [materialy]. Moskva, Nauka, 1964

RARE-EARTH METALS—TESTING

Periodicity of the structure and properties of lanthanides in connection with their constitutional diagrams. V.K. Grigorovich. Trudy Inst.met. no.14:212-226 '63.

RARE-EARTH SALTS

High temperature synthesis and some properties of neutral tungstates of yttrium, lanthanum, and lanthanides. V.E Plushchev V.M Amosov Dokl AN SSSR 157 no.1:131-134 Jl '64

RARE-EARTH SILICATES

Synthesis of new silicates of rare-earth elements. N.A. Toropov, I.A Bondar', Dokl.AN SSSR 158 no.1:173-175 S-O '64.

RARE EARTHS

Thorium determination in the total of lanthanide oxides (polirit) by the method of complex-forming chromatography. D.I.Riabchikov, M.P.Volynets. Zhur.anal.khim. 19 no.5:642-643 '64.

RARE GASES see Gases, Rare

RAUDUVE, PETRAS, 1912-

Rauduve, Petras. [Graphic works of art] Grafika. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1964. 15 p. 40 plates. [In Lithuanian, Russian, English, and French]

RAYON

Change in the properties of viscose cord undergoing water wetting and subsequent drying. A.A.Rogovina, R.E.Kuznetsova. Khim.volok. no.3,45-50 '64.

Grafting of polyacrylate on viscose fiber. N.L. Tulaeva, T E. Lipatova, IU.S Lipatov Dokl AN BSSR 8 no.2:108-110 F '64.

Microscopic studies of dyed cross sections of viscose fibers. S.A.Novikova, V.I.Vorob'eva. Khim.volok. no.3:51-53 '64.

Ways of increasing the stability of viscose fiber forming. A.T.Serkov, E.V.Cherkasova. Khim.volok. no.3:40-43 '64.

REACTION TIME

Effect of the probability of a signal on the reaction speed. T.N.Ushakova. Izv.APN no.129:188-193 '63.

READING (ELEMENTARY)

Intonational reading with explanations. T.IU.Gorbuntsova Nach.shkola 32 no.7:25 Jl '64.

REALITY

Akademiia nauk Kirgizskoi SSR, Frunze. Otdel filosofii i prava. [Perception and reality] Soznanie i deistvitel'nost'. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 93 p.

Akademiia nauk SSSR. Kafedra filosofii, Leningrad. [Problem of possibility and reality] Problema vozmozhnosti i deistvitel'nosti; sbornik statei. Moskva, Izd-vo "Nauka," 1964. 277 p.

What is abstract and what is concrete. G.A.Davidova. Vop filos 18 no 6 145-156 '64

REARRANGEMENTS (CHEMISTRY)

Chemistry of vinylacetylene. Report No. 45: Synthesis and conversion of vinylacetylenic amines (acetylene-allenecumulene rearrangement in vinylacetylenic systems). S.A. Vartanian, Sh. O. Badanian, A. V. Mushegian. Izv.AN Arm.SSR.Khim.nauki 16 no.6:547-557 '63.

Rearrangement of α-trialkylsiloxyvinylalkyl esters to trialkylsilylacetic acid esters IU.I Baukov, G.S Burlachenko, I F Lutsenko Dokl.AN SSSR 157 no 1 119-121 Jl '64

RECEPTORS (NEUROLOGY)

Electrophysiological research on the interaction of visceral impulses in the cerebellar cortex. N.V.Bratus. Fiziol.zhur. 10 no.1:16-24 '64.

Problem of the "visceral brain." E.Sh.Airapetiants. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:19-48 '63.

Reactivity of the cholinoreceptors in relation to the acetylcholine concentration. M.I.Plekhanov. Fiziol.zhur. 10 no.1:119-120 '64.

Sensory innervation of nerve trunks. Z.N.Gorbatsevich, I.P.Luk'ianova. Arkh.anat.,gist.i embr. 43 no.8:43-47 Ag '62.

RECLAMATION OF LAND

(see also subdivision under Russia, Northern)

"The conquered virgin-land." E.Borin Ekon.sel'khoz 35 no.6 118 Je '64

I.D.Braude's book "Binding and reclaiming gullies, ravines, and steep slopes." T.F.Antropov. Pochvovedenie no.7:118-122 Jl '64.

Soda-type Solonetz soils and methods for their melioration I.N.Antipov-Karataev, G M Kader Agrokhimiia no 1 53-62 Ja '64

RECORDING INSTRUMENTS

Electronic automatic multiple-point chart-recording instruments and assemblies. O.N.Kolker, A.V Stankevich. Mash.i neft.obor no 2:44-48 '63

Semiconductor brontography. P.S.Lydzar. Trudy GGO no 157 54-58 '64.

Some results of testing short-range brontographs. K.A. Semenov. Trudy GGO no 157 59-67 '64.

RECORDING INSTRUMENTS—PARTS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Carriages of recording devices; design and specifications] Karetki samopishushchikh mekhanizmov, konstruktsiia i ispolnitel'nye razmery (MN 4664-63—MN 4666-63). Moskva, Izd-vo standartov, 1963. 40 p. (SSSR. Normali mashinostroeniia)

RECREATION AREAS

Sofronov, L.S. [Until we meet again, friends!] Do novoi vstrechi, druz'ia! [Moskva] Molodaia gvardiia, 1964. 78 p. (Na obshchestvennykh nachalakh)

RECTUM

Effect of the ligature of both pelvic arteries on the wall *structure of urinary bladder and rectum.* G.N. Kuparadze. Soob.AN Gruz.SSR 33 no 3:707-713 Mr '64.

RECTUM—CANCER

Extensive surgery in cancer of the rectum. E.S. Serebriakova. Vop.onk. 10 no.3:110-114 '64.

RECURSIVE FUNCTIONS

Insolvability of the elementary theories of certain classes of finite commutative associative rings. M.A.Taitslin. Alg.i log. 2 no.3:29-51 '63

Solvability of the elementary theory of inclusion of spheres. A.D.Taimanov. Alg.i log. 2 no.3:23-27 '63.

RED CROSS

Fifth All-Russian Convention. Voen.znan. 40 no.7:4-5 Jl '64.

REDUCTION, CHEMICAL

Catalytic reduction of dinitriles. L.Kh.Freidlin, T.A. Sladkova. Usp.khim. 33 no.6:664-686 Je '64.

Effect of the structure of some derivatives of nitrobenzene on the catalytic reduction of the nitro group. A.V. Finkel'shtein, Z.M.Kuz'mina. Dokl.AN SSSR 158 no.1:176-178 S-O '64.

REDUCTION, ELECTROLYTIC

Electroreduction of oxygen in sulfate solutions of streptomycin [with summary in English]. N.E.Khomutov, V.V.Skorniakov. Zhur.fiz.khim. 38 no.2:342-344 F '64.

Electroreduction of unsaturated nitriles. Part 4: Electroreduction of 1-cyano-1,3-butadiene. L V. Kaabak, A.P.Tomilov, S.L.Varshavskii. Zhur.ob.khim. 34 no.7:2107-2111 Jl '64.

Kinetics of electrolytic oxidation with simultaneous evolution of oxygen and of electrolytic reduction with evolution of hydrogen. N.E.Khomutov. Zhur.fiz.khim. 38 no.2:514-517 F '64.

Reduction kinetics of the $S_2O_8^{2-}$ anion on a rotating lead electrode. B.N.Rybakov, N.V.Nikolaeva-Fedorovich, G.V.Zhutaeva. Zhur.fiz.khim. 38 no.2:500-503 F '64.

REED (BOTANY)

(see also subdivision under Kuban Delta)

Popov, I.S. [Reed thickets as a raw materials base for the woodpulp and paper industry] Trostnikovye zarosli kak syr'evaia baza tselliulozno-bumazhnoi promyshlennost'," 1964. 243 p.

REEFS see subdivision under Caspian Lowland; Ural Mountain region

REFLECTION (OPTICS)

Penetration of direct radiation into the sea IU.R.Mullamaa Izv AN SSSR Ser geofiz no 8 1259-1268 Ag '64.

REFLECTOMETER

Reflection spectra of natural and manufactured materials in the 0.7 - 100μ wavelength range. M.A Kropotkin, B.P.Kozyrev Opt i spektr. 17 no 2:259-264 AG '64.

REFLEXES

Closing of conditioned stimuli of various sides to the unconditioned stimulus of one side I.V.Andguladze. Soob.AN Gruz.SSR 33 no.3:695-700 Mr '64.

Correlation between the functional state of the cerebral cortex and tuberculosis. G.S.Kan. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:329-344 '63.

Effect of curarelike drugs on the glossomaxillary reflex. V.K.Muratov. Farm.i toks. 26 no.5:597-602 S-O '63.

Higher nervous activity in bronchial asthma patients. P.K.Bulatov. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:317-327 '63.

I.M.Sechenov's "Brain reflexes" and Russian physiological science in the 18th century and the first half of the 19th century. D.G.Kvasov. Fiziol.zhur. 49 no.11:1277-1285 N '63.

Motor defense conditioned and unconditioned reflexes in rats during the development of acute infectious and aseptic inflammation. P.N.Aleksandrov. Pat.fiziol.i eksp.terap. 6 no.4:38-40 Jl-Ag '62.

Study of vascular conditioned and unconditioned reflexes during various phases of the higher nervous activity A.M.Ovsepian. Zhur.eksp.i klin.med. 4 no.2:15-25 '64.

REFORESTATION see subdivision under White Russia

REFRACTOMETRY

Bonding refraction of potassium tetrahalocadmiate A.I.Pozigun, T.P.Anufrieva. Nauch.ezhegod.Khim.fak.Od.un. no.2:46-49 '61.

Interrelation between atomic and molecular refraction and complete ionization [with summary in English]. I.L.Agafonov, A.L.Agafonova. Zhur.fiz.khim. 38 no.2:356-360 F '64.

Investigating solid oil paraffins by the refractometric method. A.N.Guseva, I.E.Leifman. Khim.i tekh.topl.i masel 9 no.4:13-15 Ap '64.

Methods of determining molecular refractions of chemical compounds [with summary in English]. P.G. Maslov. Zhur.fiz.khim. 38 no.2:304-312 F '64.

Refractometric method for the determination of a dry degreased residue of human milk. P V Karetnikov Lab.delo no.7,415 '64

Refractometric study of supersaturated electrolyte solutions [with summary in English]. A.V.Akhutin, T.A.Komarova, N.A.Figurovskii. Zhur.fiz.khim. 38 no.2:387-395 F '64.

REFRACTORIES INDUSTRY see subdivision under Zaporozh'ye

REFRACTORIES INDUSTRY—ACCOUNTING

Using the "conditional unit" method in enterprises of mass serial production. A.Zhukov. Plan khoz. 41 no 8 32-38 Ag '64

REFRACTORY MATERIALS

Combined method for the determination of the phase composition of high-alumina refractories. V.V. Goncharov, S.P. Shmitt-Fogelevich, M.E.Borodacheva. Zav.lab. 30 no.6:729-730 '64.

Lining the walls of the upper structure of open-hearth furnaces with rammed refractory materials. G I Kozak. Metallurg 9 no.5,23-24 My '64.

Making use of chromite ores with a high silica content in the manufacture of refractories. P.N.Babin, A.G. Shcheglov. Trudy Inst.met.i obog.AN Kazakh.SSR 8:130-146 '63

Temperature conditions for the resistance of the lining of large capacity electric furnaces at the Chelyabinsk Metallurgical Plant. M.N.Kalbicheva and others. Stal' 23 no.4:324-329 Ap '64.

REFRIGERANTS

Adiabatic demagnetization of ferric Ammonium alum without thermal insulation. IE.S.Borovyk, S.F. Hrishin, O.IA.Hrishina Ukr.fiz.zhur. 8 no.9:1013-1019 S '63.

Investigating the design of a set-up for separating casing-head gases using a liquid coolant. N.I. Zelentsova and others. Gaz.prom. 8 no.6:30-35 '63.

REFRIGERATION AND REFRIGERATING MACHINERY
(see also subdivision under Czechoslovakia)

Arshanskii, IA.N., and S.I. IAnovskii. [Installation and maintenance of automatic control and regulation devices] Montazh i obsluzhivanie priborov avtomatiki i kontrolia. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 65 p. (V pomoshch' kholodil'shchiku)

Semiconductor refrigerator provided with a thermostat. M.A.Kaganov and others. Biul.nauch.-tekh.inform.po agron.fiz. no.5/6:42-48 '59.

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref.zhur.: Khim.i khol.mashinostr. no.8 Ag '64.

REFRIGERATORS

Kругliak, I.N., N.A. Fil'chenkov, and K.S. Golovchenko. [Domestic compressor-type refrigerators] Domashnie kompressionnye kholodil'niki. Izd.2. Moskva, Izd-vo "Mashinostroenie," 1964. 200 p.

REFUGEES, ARABIC

The Palestine question. B.Solov'ev. Mezhdunar.zhizn' 11 no.9:151-152 S '64.

REFUGEES, RUSSIAN—POLITICAL ACTIVITIES see subdivision under Germany

REGENERATION (BIOLOGY)

Investigations of the regeneration of vessels in a skin wound as an objective method of evaluation of the changes in the healing process following X-ray irradiation. Z.Kharvat, IU.Shmagel'. Med.rad. 8 no 12:47-50 D '63.

Liver regeneration in lower vertebrates. N.I.Grigor'ev. Arkh.anat.,gist.i embr. 43 no.8:77-87 Ag '62.

Stimulation of the regeneration process in mammalian extremities by the action of tissue extract. V.P. Kudokotsev. Nauch.dokl.vys.shkoly, biol.nauki no. [illegible] 10-11 '64.

REGIONAL PLANNING

Davidovich, V.G. [City and regional planning; engineering and economic principles] Planirovka gorodov i raionov; inzhenerno-ekonomicheskie osnovy. Izd. 2., perer. Moskva, Stroiizdat, 1964. 325 p.

REHABILITATION

Experience with industrial employment of schizophrenic patients in the state of remission or intermission. Report No. 1. S.Z. Pashchenkov. Zhur.nevr.i psikh. 63 no.9:1406-1410 '63.

REHABILITATION OF CRIMINALS

Poluian, A.I. [Man finds a way; notes of a people's judge] Chelovek nakhodit dorogu; zapiski narodnogo sud'i. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1963. 97 p.
(CSt-H)

REINDEER

Some adaptive characteristics of the extremities of reindeer. N.M.Ermolova. Biul.MOIP.Otd.biol. 68 no.3:16-60 My-Je '63

REINFORCED CONCRETE—TESTING

Effect of the properties of fine-grained concrete on the strength of reinforced concrete. F.O.Meladze. Soob. AN Gruz.SSR 33 no.3:605-612 Mr '64.

REINFORCED CONCRETE CONSTRUCTION

Compacting forces in centrifuging concrete. M A. Raut. Energ.stroi. no.33:71-73 '63.

Construction of a new section of the Leningrad subway. IU.F. Solov'ev. Transp.stroi. 13 no.10:10-23 O '63.

Raising the longevity of reinforced concrete ventilation cooling towers. Biul.stroi tekh. 20 no.12:31-35 D '63

Reinforced concrete anchors on a quick-setting mortar. B.V.Korinkin. Transp.stroi. 13 no.10.64-66 O '63.

Tret'iakov, A.K. [Concrete work] Betonnye raboty. Moskva, Vysshaia shkola, 1964. 254 p.

REINFORCED CONCRETE PRODUCTS

Instructions for designing heating and ventilation systems for enterprises producing reinforced concrete products. Biul.stroi.tekh. 20 no.12:15-17 D '63.

Moscow. Nauchno-issledovatel'skii institut betona i zhelezobetona. [Manual on the electric heating of concrete and reinforced concrete elements and products] Rukovodstvo po elektroprogrevu betonnykh i zhelezobetonnykh konstruktsii i izdelii. Moskva, Stroiizdat, 1964. 110 p.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELATIVITY (PHYSICS)

Application of semi-Riemannian geometry to unified field theory. R.I.Pimenov. Dokl.AN SSSR 157 no.4:795-797 Ag '64.

New variational formalism in the general theory of relativity. K.P.Staniukovich. Dokl.AN SSSR 158 no.1:78-81 S-O '64.

R and T regions in space and time with a spherically symmetrical space. I.D.Novikov Soob GAISH no.132:3-42 '64.

Some properties of the spherically symmetrical space concomitant with the matter. I D.Novikov. Soob GAISH no.132 43-69 '64.

RELIABILITY (ENGINEERING)

Characteristics of nonstationary strength and the determination of the potential of durability. S.V Serensen, L.A.Kozlov. Vest.mashinostr. 44 no.6:10-18 Je '64

Reliability class A.G Kaleshin. Mashinostroitel' no.7:5-6 Jl '64.

RELIEF MAPS

Technique of making small-scale relief maps. P.K. Koldaev. Geod.i kart. no.4:64-70 Ap '64.

RELIGION
(see also subdivision under Rome)

Facing destiny. V.Glebov. Sov.profsoiuzy 20 no.15:32-33 Ag '64.

"Hornet nests" are crumbling S.Statnikov Sov profsoiuzy 20 no 16 32-33 Ag '64.

The most important events in the life of churches and religious communities in the U.S.S.R.; a chronology. N.T. Mat.i soob.Issl.otd.Inst.po izuch.SSSR no.51/52:107-111 N-D '63.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion.

RELIGION AND LAW

Scientific atheistic propaganda and the fight against the offenses of church people and sectarians by means of the criminal law. IU.T Mil'ko. Sov.gos.i pravo 34 no.7:65-75 Jl '64.

RELIGION AND SCIENCE

Atheism as an important feature of the scientific world outlook. B.Lobovyk. Komm.Ukr. 39 no.3:36-45 Mr '64.

[Scholars against religion] Uchenye protiv religii. [Moskva] Mosk.rabochii, 1964. 173 p.

RELIGIOUS ETHICS

Akademiia nauk SSSR. Institut filosofii. [Morals and religion] Nravstvennost' i religiia. Moskva, Nauka, 1964. 213 p.

RELIGIOUS PSYCHOLOGY see Psychology, Religious

REMBRANDT HERMANSZOON VAN RIJN, 1606-1669

Rembrandt Hermanszoon Van Rijn. [Reproductions] Reproduktsii. [n.p. Sovetskii khudozhnik, 1964. 3] p. 12 plates.

REMOTE CONTROL
(see also subdivision under Iraq)

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut gornogo dela. [Radio communication systems and high-frequency remote control in the mining industry] Radiosviaz' i vysokochastotnaia telemekhanika v gornoi promyshlennosti. Otv. red. M.M.Savkin. Novosibirsk, Red.-izd. otdel Sibirskogo otd-niia AN SSSR, 1964. 173 p.

DT-1 and DT-2 thermostats. G.F.Melanifidi. Mash.i neft.obor. no.8:33-34 '63.

Deep-well remote-control manometer for the determination of the intensity of circulation loss in a bore hole S.G.Temkin and others Trudy KNII NP no.17.97-105 '62.

Dual purpose device for measuring stresses in electric-drill engine clamps and well-bottom temperature. V.L Fuks. Mash.i neft.obor no 5:12-16 '63.

Dynamic properties of self-compensating remote control systems with inductive converters. V.V.Savin Izv. vys.ucheb.zav., neft' i gaz 5 no.10.103-108 '62.

Efficiency of introducing central control service in the construction of electric stations. N.V.Pozdniakov. Trudy NPI 144:29-42 '63.

Electronic time relay for automation and electric protection circuits. V.IA.Ovlasiuk, V.A.Bykov. Trudy TSNII MPS no.276:135-146 '64.

Equipment for remote control and the standard groupings of dispatcher points for reclamation systems; technical solutions. Trudy Giprovodkhoza no.22:3-42 '63

Frequency remote control of overhead contact line disconnectors. V.IA.Ovlasiuk, I.I.Trifonov, N.D.Sukhoprudskii. Trudy TSNII MPS no.276:33-42 '64.

Introduce means of industrial telemechanics on a wide scale. Mekh.i avtom.proizv. 18 no.1:51-54 Ja '64.

Kichkin, I.I. [Transducers in marine remote control systems] Datchiki sudovykh sistem distantsionnogo kontrolia. Pod red. G.P.Katysa. Moskva, Izd-vo "Transport," 1964. 209 p.

Performance of automatic and remote control systems in sections with a.c. electric traction. I.A.TSetsura. Zhel.dor.transp. 46 no.1:43-45 Ja '64.

Programmed control system for sprinkling units. Sh.A. Samed-Zade, B.A.Nikulin. Za tekh.prog. 3 no.11:10-12 N '63.

Reliability and operation organization of remote control apparatus for electric power supply stations. N D Sukhoprudskii. Trudy TSNII MPS no 276:5-15 '64.

Reliability requirements for a remote control unit in a gas pipeline. V.A.Lutskii. Gaz.prom. 8 no.9:47-51 S '63.

Remote and automatic control of the operations of several oil fields from one computing center Nefteprom.delo no.7.44-45 '64.

Remote-control corrector to pressure regulators for gas-regulation points. D.B.Balasanov, E.A.Emirshakh. Gaz.delo no.7.24-27 '64.

Shishkin, O.P., and Z.N.Krikun. [Remote control in the Groznyy oil fields] Telemekhanika na neftianykh promyslakh Groznogo. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 83 p.

Translation of remote control signals. A.V.Pivovarov. Trudy TSNII MPS no.276:43-46 '64.

Use of the TE-62 system for the remote control of electric locomotives. V.IA.Ovlasiuk, IU.S.Stramnov, N.D.Sukhoprudskii Trudy TSNII MPS no.276:47-63 '64.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref.zhur. Avtom., telem.i vych tekh. no.8 Ag '64.

RENAL ARTERY—TRANSPLANTATION

Morphologic changes in the kidneys in homoplasty of the renal artery. S.A.Gasparian. Arkh.pat. 26 no.2:17-22 '64.

RENIN

Changes in the renin content of the kidneys in the dynamics of development of reflexogenic hypertension. M.F. Syrotina. Fiziol.zhur. 10 no.1 68-74 '64.

RENNIN

Effect of ultrasonic waves of low frequency on rennin. S.Kh Nikolov Nauch.trudy Kub.gos med.inst 19:120-129 '62.

REPETEK DESERT PRESERVE—TICKS

Study of chemoreception in insects and ticks; characteristics of the function of chemoreceptors in the tick Hyalomma asiaticum P Sch et. E Sch under the influence of repellents E.Kh Zolotarev, IU.A Elizarov Zool zhur. 43 no.4.549-559 '64

REPIN, IL'IA EFIMOVICH, 1844-1930

Pride of Russian art. G.Gluzman. Nar.obr. no.8:102-103 Ag '64

Repin's portraits of I.M.Sechenov and other Russian physiologists. D.G.Doviner. Fiziol.zhur. 49 no.11:1383-1385 N '63.

REPRODUCTION

Role of various regions of the brain in the reproductive functions of mammals. N.G.Mikaelian. Dokl AN Arm. SSR 37 no.4:237-240 '63

REPTILES

Lung tumor in a turtle, Emys orbicularis. V.M.Bresler. Vop.onk. 9 no.6:87-91 '63.

REPUBLICAN PARTY see subdivision under San Francisco, United States

RESEARCH
(see also subdivision under Sakhalin; Siberia; Soviet Far East)

The course of the party in the chemicalization of the economy and certain philosophical problems facing science. M.I.Shakparonov. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1:12-19 '64.

RESEMBLANCE (PHILOSOPHY)

Expressing quality by the methods of the similitude theory. A.Koronkevich Vop.filos 18 no 7 73-81 '64

RESERPINE

Effect of aminazine and reserpine treatment on enzyme activity (catalase, transaminase and aldolase) in the blood of schizophrenia patients. V.M.Vashetko. Fiziol.zhur. 10 no.1:82-88 '64.

Effect of reserpine, aminazin, and aprophen in experimental hypertension. M.V.Pan'shina. Farm.i toks. 26 no.5:537-542 S-O '63.

RESERVOIRS
(see also subdivision under Ivanov Province)

Laboratory studies of the tailrace of a hydraulic complex and problems in the method of modeling erosion. B.I.Studenichnikov. Trudy Gidrav.lab.VODGEO no.10:197-225 '63.

Practice in determining the influence of large reservoirs on the local climate S.L.Vendrov, L.K.Malik. Izv AN SSSR.Ser.geog. no.4:35-46 '64

RESIDUAL STRESSES

Effect of residual stresses on the fatigue strength of steel with a sharp stress concentrator. I.I.Ishchenko, I.A Malynovs'ka. Dop.AN URSR no.8:1035-1037 '64.

Kudriavtsev, P.I. [Residual welding stresses and the strength of welded joints] Ostatochnye svarochnye napriazheniia i prochnost' soedinenii. Moskva, Mashinostroenie, 1964. 93 p.

RESIN ACIDS—SPECTRA

Infrared spectra of resin acids. A. M. Prima and others. Zhur fiz khim. 36 no. 3 620-624 Mr '62.

RESINS, SYNTHETIC

Effect of melamine-formaldehyde resins on the wear resistance of leather. D. A Kutsidi, I. P. Strakhov. Kozh.-obuv. prom. 6 no. 7 15-20 Jl '64.

Investigating the resistance to fungi of the acoustical materials based on polyvinyl chloride resins M I Palei and others Plast massy no 2 68-69 '64

Obtaining self-damping chlorine-containing polyester resins by means of unsaturated organophosphorous compounds P. Z. Li, E V. Mikhailova, L. V. Bykova Plast massy no 2,12-16 '64.

Production and characteristics of anthranol and aminophenol resins N. P Pazilevs'ka Khim prom (Ukr.) no 3,19-21 Jl- '63

Sanitary and hygienic aspects of the manufacture of PN-1 make polyester resins IU. S. Kriukov, T P Poliakova. Plast. massy no 2 13-21 '64

Synthetic resins based on coal tar products and crude benzene L D Gluzman, A A Rok Koks i khim no 6 40-43 '64

Unsaturated polyglycolmaleic resins modified by anthracene S I Omel'chenko and others Plast. massy no. 2 17-19 '64

RESORCINOL

Melting diagram of the ternary system urea - phenol - resorcinol. I. I Il'iasov, A. G. Palobekov, A. G. Bergman Zhur. ob khim 34 no. 7 2099-2103 Jl '64

RESPIRATION

Changes in the respiration center in rabbits suffering from acute radiation sickness E S. Mailian Vop. rent. i onk 7 193-198 '63.

Distribution and potential properties of the bronchial arteries in dogs with reference to shifts in external respiration. IU. A. Maksimuk. Arkh. anat., gist. i embr. 45 no. 12 41-50 D '63.

Effect of some isothiuronium pyridoxine derivatives on blood circulation and some functions of the nervous system S IA. Arbuzov, V I Generalov Farm i toks. 26 no. 5 518-525 S-O '63

Effect of stimulation of the cerebral cortex on the electric activity of the respiratory muscles of a cat. V. M. Storozhuk, A. G. IAshchenko. Fiziol. zhur. 49 no. 11 1345-1352 N '63.

Effect of vagotomy on respiratory muscle function. A. A. Nuridzhanova. Fiziol. zhur. 10 no. 1.113-116 '64.

Isaakian, L. A [Electrochemical methods of gas analysis in physiology] Elektrokhimicheskie metody gazovogo analiza v fiziologii Otv red R P Ol'nianskaia. Moskva, Nauka, 1964. 78 p.

Pneumographic studies in disorders of coronary circulation during nitranol therapy. N. A. Vasil'eva. Khim. i med. no 16;56-60 '61.

Training in the breathing of primary school children during physical exercises V IA. Eremeev Izv APN no. 129 224-227 '63.

Use of polarographic method in measuring the oxygen requirement rate by aquatic animals L. V Kamliuk Nauch dokl vys shkoly, biol. nauki no 3; 49-51 '64.

RESPIRATORS

Respirators of increased reliability. N. Vinogradov Okhr. truda i sots. strakh. 7 no. 5 42 '64

RESPIRATORY ORGANS

Effect of fluorine on the respiratory and cardiovascular systems K A Kiandarian, S. L. Eolian Vop. rent i onk. 7 45-51 '63.

RESPIROMETER

Apparatus and method for the quantitative estimation of pulmonary ventilation in small animals. V. A. Strelets, L. A. Rutsko. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10.123-125 O '63.

REST

Efficiency index of active rest during muscular work. S. I Krapivintseva, R. I. Platkovskaia, N. A. Minaeva. Teor. i prak fiz. kul't. 27 no. 4 53-58 Ap '64.

Functional and temperature characteristics of the recovery period after profound fatigue induced by prolonged work V I Zav'ialov Fiziol zhur. [Ukr.] 9 no 6 816-818 N-D '63

REST HOMES see subdivision under Uzbekistan

RESUSCITATION

Conditioned response activity in animals revived following fatal electric trauma. M. P. Adamenko, A. P. Kovtun. Fiziol. zhur. 10 no. 1 47-54 '64.

Kolpakov, M. G. [Adrenal glands and reanimation] Nadpochechniki i reanimatsiia. Moskva, Meditsina, 1964. 159 p.
(DNLM)

RETAIL TRADE

(see also subdivision under East Kazakhstan Province)

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg. za rub.; org., nov metody, tekh. torg. i mass. pit. no. 8 Ag '64.

RETAIL TRADE—STATISTICS

The retail trade of the U S S R in 1963 Vest stat no 7;85-91 '64

RETAINING WALLS

Klein, G. K. [Calculating retaining walls] Raschet podpornykh sten. [IAroslavl'] Vysshaia shkola, 1964 195 p.

RETICULOENDOTHELIAL SYSTEM

Changes in the absorptive function of the reticuloendothelial system in acute radiation sickness complicated by hemorrhage A. G Magakian. Vop rent i onk 7 227-232 '63.

RETICULOENDOTHELIAL SYSTEM—DISEASES

Arutiunov, V. IA., and P. I. Golemba. [Hemodermatoses] Gemodermii. Moskva, Meditsina, 1964. 303 p.
(DNLM)

Case of congenital reticulosis. V. N. Rumiantsev. Probl. gemat. i perel. krovi 8 no. 8 49-50 Ag '63.

RETINA

Changes in the reflex adjustment of the visual receptor system in temperature stimulation of the skin. L. M. Kurilova. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10. 10-13 O '63.

Localization and activity of dehydrases in the mitochondria of ellipsoids of the photoreceptors in vertebrates. T. P. Lukashevich. Dokl. AN SSSR 156 no. 6,1436-1439 Je '64

REVOLUTIONARY POETRY

Men'shutin, A. N., and A. D. Siniavskii. [Poetry of the initial years of the Revolution, 1917-1920] Poeziia pervykh let revoliutsii, 1917-1920. Moskva, Izd-vo "Nauka," 1964. 440 p.

REVOLUTIONISTS, RUSSIAN

Activities of doctors-psychiatrists in the revolutionary movement in Russia. D. D. Fedotov, V. M. Lupandin. Trudy Gos. nauch.-issl. inst. psikh. 40;310-320 '63.

REVOLUTIONS

Your roads, revolution! G. Leonidov. Mol. komm. no. 2: 25-32 F '64.

REVUTSKYI, LEVKO, 1899-

Intelligent craftsmanship. G. Kurkovskii. Sov. muz. 28 no. 2 32-33 F '64

L. N. Revutskyi is congratulated on his 75th birthday IU Shaporin and others. Sov muz. 28 no. 2 20-32 F '64

REWARDS (PRIZES, ETC.)

Worthy rewards for progressive agronomists. Zemledelie 26 no. 6;84-88 Je '64.

RHABDOPISSITE—ANALYSIS see subdivision under Upper Suyfun Basin

RHENIUM

Effect of certain physicochemical factors on the adsorbability of rhenium by activated carbon. K B Lebedev, T Sh. Tiurekhodzhaeva Trudy Inst met. i obog AN Kazakh SSR 8 84-96 '63

Pulse field emission of rhenium. G. N. Fursei. Zhur. tekh fiz. 34 no. 7;1312-1316 Jl '64.

RHEOLOGY

Akademiia nauk Kazakhskoi SSR, Alma-Ata. [Rheological problems of the mechanics of rocks] Reologicheskie voprosy mekhaniki gornykh porod. Alma-Ata, 1964. 155 p.

Effect of the additions of surface-active substances on the structural strength of pigment - binder pastes. A. A. Trapeznikov, R. N. Shcherbakova. Zhur. fiz. khim. 38 no. 2;512-514 F '64.

Rheological properties of organosilicon enamel dyes. M. B. Fromberg. Trudy VEI 71;27-34 '63.

RHEUMATIC FEVER

(see also subdivision under Dushanbe; Uzbekistan)

Examination of the hyaluronidase activity of the urine in assessing the activity of the rheumatic process. E. I. Taniukhina. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10;22-25 O '63.

Excessive diagnosis of rheumatic fever in children. A. A. Tiuriaeva, O. V. Perevozchikova. Trudy Tadzh. med. inst. 50;187-190 '61.

Reaction with diphenylamine as an indicator of the activity of the rheumatic process. IA. S. Vainbaum and others. Sov. zdrav. Kir. no. 6;28-30 N-D '63.

Rheumatic fever and the skin. M. A. Shteinberg, IA. A. Cherikover. Vest. derm. i ven. 38 no. 1;22-25 Ja '64.

Varieties of rheumatic phenomena in mental patients and the role of rheumatic fever in the genesis of some psychoses. V. P. Kuchelev. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;181-190 '63.

RHEUMATIC HEART DISEASE

Some biochemical indices in rheumatic carditis and their diagnostic importance. A. A. Katanian, A. A. Oganesian. Zhur. eksp. i klin. med. 4 no. 2;31-37 '64.

RHINOSCLEROMA

Cytological diagnosis of scleroma. A. N. Kniga. TSitologiia 5 no. 4;452-455 Jl-Ag '63.

RHIZOSPHERE MICROBIOLOGY

Mycoflora of the rhizosphere in meadow symbiotrophic plants. E. S. Lisina. Nauch. dokl. vys. shkoly; biol. nauki no. 3;165-170 '64.

Mycoflora of the rhizosphere of symbiotrophic cultivated plants. E. S. Lisina, Z. E. Bekker. Bot. zhur. 49 no. 7;1048-1051 Jl '64.

RHODANINE

Combination of copper with rhodanine-3-benzoic acid and its constant instability I I Kurnyts'kyi. Farmatsev zhur. 18 no. 5 39-41 '63

Synthesis and studies on 5-alkyl derivatives of rhodanine A. P. Mynka. Farmatsev zhur. 18 no. 5 32-35 '63

RHODANINE—PHYSIOLOGICAL EFFECT

Effect of 3-phenylrhodanine, 3-p-tolylrhodanine and rhodanine-3-benzoic acid on the estrus cycle in white rats. A. P. Dyban, A. N. Turkevich. Farm. i toks. 26 no. 2;228-233 Mr-Ap '63.

RHODIUM ISOTOPES

Excited states of Rh^{104}. A. S. Melioranskii, L. F. Kalinkin, I. V. Estulin. Izv. AN SSSR. Ser. fiz. 28 no. 7; 1110-1117 Jl '64.

Nuclear levels of Rh^{104} excited in the capture of thermal neutrons. L. V. Groshev and others. Izv. AN SSSR. Ser. fiz. 28 no. 7;1118-1123 Jl '64.

RHODODENDRON see subdivision under Ossetia, South

RHODUSITE see subdivision under Dzhezkazgan Depression; Minusinsk Basin

RIBITOL

Some properties of ribitol teichoic acid isolated from Actinomyces violaceus. I. B. Naumova, M. Sh. Zaretskaia. Dokl. AN SSSR 156 no. 6;1464-1467 Je '64.

RIBOFLAVIN

Change in the riboflavin levels in rats during cancerogenesis induced with p-dimethylaminoazobenzene and following the administration of the food-dye, amaranth. B L. Rubenchik. Vop. pit. 22 no. 3;72-78 My-Je '63

Conditions for the accumulation and the mechanism of the formation of riboflavin by the micro-organism Eremothecium ashbyii. L. S. Kramniova, A. N. Vechar. Vestsi AN BSSR, Ser. biial nav no 4: 54-61 '63.

RICE see subdivision under Khorezm Province; Vietnam, North

RIEMANN SURFACES

Complexes of segments of a certain class of closed Riemann surfaces. V. G. Tairova. Sib. mat. zhur. 5 no. 4;929-951 Jl-Ag '64.

Type of Riemann surfaces determined by a group of linear substitutions. Le Van Thiem. Sib. mat. zhur. 5 no. 4;853-857 Jl-Ag '64.

Variation method in the theory of quasi-conformal mappings of closed Riemann surfaces. S. L. Krushkal'. Dokl. AN SSSR 157 no. 4;781-783 Ag '64.

RIEMANN SURFACES—BOUNDARY VALUE PROBLEMS

Boundary value problems with a shift on abstract Riemann surfaces. E. I Zverovich. Dokl. AN SSSR 157 no. [illegible] 28 Jl '64

RIFLE PRACTICE

Every bullet in the bull's eye. V. Chulitskii. Voen. znan. 40 no. 7;38 Jl '64.

RIFLES see subdivision under United States

RIGA—MILK—COMPOSITION

Preservability of vitamin C in artificially vitaminized milk prepared by the Riga Milk Combine. F. I. Kochish, O. I. Zel'chane. Vop. pit. 23 no. 1;82-83 Ja-F '64.

RIGA—VIEWS

Riga. Riga, Latvijas Valsts izd-ba, 1964. 1 v. (chiefly illus.) [In 6 languages]

RIGS, OIL WELL DRILLING see Oil well drilling rigs

RIMSKII-KORSAKOV, NIKOLAI ANDREEVICH, 1844-1908

From N. A. Rimskii-Korsakov's letters to his son. Sov muz. 28 no. 2 52-62 F '64.

RING (CHEMISTRY)

Cyclization of tetrapeptides by using ethoxyacetylene as a condensation agent. E A. Morozova, L. V. Ionova, S. A. Pliner. Dokl. AN SSSR 157 no. 1;203-206 Jl '64

RING FORMATION (CHEMISTRY)

Cyclic polymerization and copolymerization.
Report No. 20: Synthesis and study of the cyclic polymerization of divinyl acetals of o-, m-, p-chlorobenzaldehydes, α-naphthoic aldehyde, and benzophenone divinyl ketal. S. G. Matsoian, L. M. Akopian. Izv. AN Arm. SSR, Khim. nauki 16 no. 1;51-58 '63.

RINGS (ALGEBRA)

Description of annihilator commutative Banach algebras A IA Khelemskii. Dokl AN SSSR 157 no 1·60-62 Jl '64.

Insolvability of the elementary theories of certain classes of finite commutative associative rings. M.A.Taitslin. Alg.i log. 2 no 3:29-51 '63.

Theory of topological rings. V.I.Arnautov. Dokl.AN SSSR 157 no 1.12-15 Jl '64

Unsolvability of certain theories. IU. L. Ershov, M. A. Taitslin. Alg.i log. 2 no.5·37-41 '63

Weakly injective modules. V. E. Govorov. Alg i log. 2 no. 6 21-50 '63.

RITES AND CEREMONIES see subdivision under Ukraine

RIVERS

(see also subdivision under Ilim Valley)

Density of a river system. A P. Bratsev. Meteor. i gidrol. no 7 10-20 Jl '61

RIVERS—REGULATION

Ibad-Zade, IU. A. [Hydraulics of the straightening of river curves] Gidravlika spriamleniia izluchin rek. Baku, Izd-vo Azerbaidzhanskoi Akad. sel'khoz. nauk, 1961. 270 p.

[MICROFILM]

RIVETS AND RIVETING—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hollow and semihollow rivets] Zaklepki pustotelye i polupustotelye (MN 5335-64—MN 5341-64). Moskva, Izd-vo standartov, 1964. 27 p. (SSSR. Normali mashinostroeniia)

ROACH (FISH) see subdivision under Boysug Liman; Boysug River; Primorsko-Akhtarsk region (Krasnodar Territory)

ROAD CONSTRUCTION

Russia (1917- R. S. F. S. R.) Komi ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Problems of the construction of motor-vehicle roads for lumber transportation] Voprosy stroitel'stva avtomobil'nykh lesovoznykh dorog. Syktyvkar, TSentr. biuro tekhn. informatsii, 1962. 37 p.

[MICROFILM]

ROAD MACHINERY

Problem of the reliability of road machines. I. P. Borodachev, I. A. Kondrashov. Mekh. stroi. 20 no. 7:12-14 Jl '63.

ROAD MACHINERY—ABSTRACTS

[Construction equipment and road machinery] Ref. zhur. : Stroi. i dor. mash. no. 8 Ag '64.

ROAD MACHINERY—SAFETY MEASURES

Miropol'skaia, N. K. [Safety manual for operation of road machinery and equipment] Pamiatka po tekhnike bezopasnosti pri rabote na dorozhno-stroitel'nykh mashinakh i mekhanizmakh. Moskva, Stroiizdat, 1964. 32 p. (Tekhnika bezopasnosti v stroitel'stve)

ROAD MATERIALS—TESTING

Ivanov, F. M., O. A. Vinogradova, N. G. Mananov. [Manual for the research worker in road materials] Spravochnik laboranta-dorozhnika. Moskva, Transport, 1964. 198 p.

ROADS

Builders of automobile roads on duty for the seven-year plan V. K. Shvedenko. Transp. stroi. 14 no 1·6 Ja '64

ROADS—ABSTRACTS

[Highways] Ref. zhur. : Avt. dor. no. 8 Ag '64.

ROADS—SNOW PROTECTION AND REMOVAL

(see also subdivision under Russia, Northern)

Flow of wind around hollows on railroads and highways. I. G. Legchenko. Izv. Sib. otd. AN SSSR no. 12:28-34 '62.

ROADS, CONCRETE

Road concrete. Biul. stroi. tekh. 20 no. 12:19-21 D '63.

ROCK BOLTS see Mine roof bolting

ROCK DRILLS

(see also subdivision under Kazakhstan)

Kinds of damage and the causes of premature wear-out of parts of quick-blow rock drills. I. A. Bagdoev, G. A. Koval'. Sbor. nauch. trud. KGRI no. 10:230-241 '61.

ROCK PRESSURE

Changes in mining conditions with an increased working depth. V. F. Lavrinenko and others. Met. i gornorud. prom. no. 6:35-39 N-D '62.

Characteristics of the manifestation of bearing pressure while mining flat seams using the hydraulic method. F. P. Bublik, V. F. Antuf'ev. [Trudy] VNIMI no. 47:3-9 '62.

Characteristics of the manifestation of rock pressure during chamber and longwall mining in mines of the "Slantsy" Combine. V. G. Beskaravainyi. Zap. LGI 48 no. 1:43-50 '63.

Determining the external load on the casing string in the filter zone when exploiting wells A. A Mamedov Azerb neft. khoz. 43 no 5·30-32, 48 My '64

Displacement of rocks during the use of the shield mining method. E. V. Kuntaev, V. M. Shik. [Trudy] VNIMI no. 47·32-40 '62.

Effect of the bearing area on the action of rock pressure on the supports. A. V. Pavlov, A. I. IAkovlev. Zap LGI 48 no. 1.26-27 '63.

Maintaining scraper level workings in conditions of increased rock pressure G. F. Linnik, S. E. Nikulin, G. S. Sulima. Met. i gornorud. prom. no. 6:45-48 N-D '62.

Mechanism of rock-pressure transmission by oil and gas pools. V. S. Melik-Pashaev. Neftegaz. geol i geofiz. no. 6.39-41 '64.

Recommendations made by IU. Z. Zaslavskii are unacceptable. I. A Filatov Ugol' Ukr 7 no 12 14-15 D '63.

Regularities of the manifestation of rock pressure and selecting the order of stoping during the mining of thick and very thick deposits in the Krivoy Rog Basin I A Kucherenko. Sbor nauch. trud KGRI no 23 70-76 '63

Rock pressure in cross cuts during shield mining O. I. Mel'nikov. Zap. LGI 48 no 1 32-37 '63.

Selection of basic estimated parameters for the support of major workings in deep mines I. L. Davydovich, IU. M. Basinskii, N. M. Berkovich. Ugol' Ukr 7 no 12 8-11 D '63.

Simplified rating of the strength of rocks. I. V Makarov. Izv. SO AN SSSR no. 2. Ser. tekh nauk no. 1:101-105 '64.

Some results of studies on rock pressure and its changes with the depth of workings. T. F. Gorbachev. Izv. Sib. otd. AN SSSR no. 10:60-71 '62.

ROCK PRESSURE—MEASUREMENT

Instruments developed by the Kuznetsk Scientific Research Institute for the design and construction of mines in the coal industry for determining rock movements and the intensity of rock pressure. L. M. Erofeev and others. Trudy KuzNIIshakhtostroia no. 1·80-84 '63.

Tensometric dynamometer for measuring rock pressure on the bottom of caved blocks F. I Kivenko, V R Bezukh, P D Petrenko. Sbor. nauch trud KGRI no 23 41-43 '63

ROCK PRESSURE—MODELS

Study of the extent of bearing pressure with the use of models. N. V. Tikhonova Ugol' Ukr. 7 no 9 26-28 S '63.

Studying the stability of untimbered mine workings in a biaxial stressed state using the photoelastic method. T. N. Tsai (Ts'ai), L M. Erofeev, L A. Miroshnikova Trudy KuzNIIshakhtostroia no. 1:63-79 '63

ROCK PRESSURE—TESTING

Change of lateral pressure according to the condition of the loose material. P. E. IUdin. Zap. LGI 48 no. 1: 28-31 '63.

Studying the stressed state of the rock massive around the chambers in a heavy and inclined pitching ore body A. I. Surkov, G. A. Ievlev. [Trudy] VNIMI no. 47:47-58 '62.

ROCK SALT

Dynamics of the karst formation in halite deposits of "dry" salt lakes. G. V. Korotkevich. Dokl. AN SSSR 157 no. 4:866-869 Ag '64.

ROCKETS (AERONAUTICS)

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [From the history of rocket engineering] Iz istorii raketnoi tekhniki. Moskva, Nauka, 1964. 254 p.

Design of stage rockets. V. A. Kosmodem'ianskii. Inzh. zhur. 4 no. 2:219-224 '64.

Motion equations for an axisymmetric rocket in cylindrical coordinates. V. K. Sviatodukh. Inzh. zhur. 4 no. 2:302-309 '64.

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop raket. tekh.; sbor. perev. i obz. inostr. period. lit. 14 nos. 7-8 '64.

Rocket rises toward clouds. A. Nistratov. Kryl. rod. 15 no. 5:22 My '64.

ROCKETS (AERONAUTICS)—MODELS

Miniature rockets. V. Es'kov. Kryl. rod. 15 no. 5:16, insert A My '64.

ROCKETS (ORDNANCE)

Every rocket is a target hit. P. Proshin. Voen. znan. 40 no. 7:11-12 Jl '64.

In the interests of combat readiness. Chizhov. Voen. vest. 43 no. 4:13-16 Ap '64.

Learn and teach. Egorov Voen. vest. 43 no. 4:18-21 Ap '64.

Methodical training of officers. Kiselev. Voen. vest. 43 no. 4:9-11 Ap '64.

Road to mastery. Ocheret'ko. Voen. vest. 43 no. 4: 16-18 Ap '64.

Training rocket fire control. Pashkovskii. Voen. vest. 43 no. 4:12-13 Ap '64.

ROCKS

(see also subdivision under Kazakhstan, Soviet Central Asia)

Some characteristics of the petrogenesis of rocks containing ferruginous olivine. N. F. Shinkarev. Trudy Lab. geol. dokem. no. 19.359-364 '64.

ROCKS—ANALYSIS

(see also subdivision under Baku Archipelago, Daghestan, Gazli Gas Field, Shebelinka Gas Field, South-Mubarek Gas Field)

Dependence of the porosity of rocks on their density IA P Voinov Neft khoz 42 no 6 41-42 Je '64

ROCKS—CLASSIFICATION AND NOMENCLATURE

(see also subdivision under Dnieper-Donets Lowland)

Classification of oil and gas sandy-siltstone reservoir rocks. A. A. Khanin Trudy VNIIGAZ no. 20/28 12-39 '64.

ROCKS—ELASTIC PROPERTIES see subdivision under Kola Peninsula

ROCKS—MAGNETIC PROPERTIES see subdivision under Monchegorsk region (Murmansk Province)

ROCKS—PERMEABILITY

Determining the relative permeability of rocks in the circulation-loss zone of a bore hole A V Volkov Trudy KNII NP no 17 88-96 '62

Device for the determination of the compressibility of porous rocks. IU. N Vasil'ev. Mash i neft obor no. 2·37-39 '63.

ROCKS—TESTING

(see also subdivision under Krivoy Rog Basin)

Behavior of rocks under prolonged action of an applied load M I. Kandyba, G A. Meshkovskii Izv. vys ucheb. zav. ; gor zhur 7 no 3:15-23 '64

Determining the degree of rock adhesion in a massif G M Malakhov, A P Chernous Sbor nauch trud KGRI no 23 5-11 '63

Effect of test duration on the shear strength of clay rocks. R. E. Dashko. Zap. LGI 48 no 1 56-60 '63

Mining in rock without blasting. S. E. Leliunov, I. I. Bulavkin. Izv vys. ucheb zav ; gor zhur 7 no 3·106-110 '64

Small model investigation of the lessening of rock strength due to fracturing. N A. Chemodanov Zap. LGI 48 no. 1 61-63 '63.

Study by the photoelastic method of the stressed state of rocks around sublevel entries in thick steeply pitching seams. E. A. Zimina, E. N. Tarasenko. Zap. LGI 48 no. 1 3-11 '63.

Vinogradov, S. D. [Acoustic observations of rock-breaking processes] Akusticheskie nabliudeniia protsessov razrusheniia gornykh porod. Moskva, Nauka, 1964. 62 p.

ROCKS, CARBONATE see subdivision under Bashkiria; Crimea; Irkutsk Province, Tatar A. S. S. R. ; Vilyuy Valley, Volga-Ural region

ROCKS, CARBONATE—ANALYSIS

Using nondestructive control methods to study fracturing in carbonate rocks. K. I. Bagrintseva. Trudy VNIIGAZ no. 20/28:98-110 '64.

ROCKS, CARBONATE—PERMEABILITY see subdivision under Bashkiria

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Caucasus; Russian Platform; Siberia, Eastern

ROCKS, EFFECT OF TEMPERATURE ON

Effect of temperature on the deformability of the clay material on well walls Khuan Zhun-TSsun' (Huang Jung-tsun), B. V Baidiuk Izv vys ucheb zav , neft' i gaz 5 no. 10 15-19 '62

Korzhyns'kyi, A. F. [Hydrothermal alteration of rocks and their significance for understanding the ore formation process] Hidrotermal'no zmineni porody i ikh znachennia dlia rozuminnia protsesiv rudoutvorennia. Kyiv, Naukova dumka, 1964. 165 p.

Temperature aftereffects following jet piercing. A. V. Brichkin, V. I. Pogreb. Izv. vys. ucheb. zav , gor. zhur. 7 no. 3:89-95 '64.

ROCKS, IGNEOUS

(see also subdivision under Kola Peninsula; Siberian Platform)

Role of partial hydrogen pressure in the genesis of traps. A. A. Kuznetsov. Dokl. AN SSSR 158 no. 1:123-125 S-O '64.

ROCKS, SEDIMENTARY

(see also subdivision under Kama Valley; Verkhoyansk Range; Volga Valley; Yakutia)

Akademiia nauk SSSR. Laboratoriia osadochnykh poleznykh iskopaemykh. [Metals in sedimentary formations; ferrous metals, nonferrous light metals] Metally v osadochnykh tolshchakh; chernye metally, tsvetnye legkie metally. Moskva, Izd-vo "Nauka," 1964. 443 p.

ROCKS, SEDIMENTARY—ANALYSIS see subdivision under Apsheron Archipelago

ROCKS, SEDIMENTARY—RADIOACTIVE PROPERTIES see subdivision under Azerbaijan

RODENT CONTROL

Organization of rat eradication among troops in stationary quarters. B. L. Shura-Bura, R. A. Tararin. Voen.-med.zhur. no. 1:56-59 '63.

RODENTS AS CARRIERS OF DISEASE

Survey of the abundance and epizootic state of murine rodents, including the water rat, in the R S. F S. R in 1962 and the prognosis for 1963 L P Mosolov, B P. Dobrokhotov, E A Pronina Biul. MOIP Otd biol 68 no 3 10-13 My-Je '63.

ROGACHEV REGION (GOMEL' PROVINCE)—FRUIT—MARKETING

Well done. P. Novosel'tsev. Zakup. sel'khoz. prod no 1 56-58 Ja '64

ROGACHEV REGION (GOMEL' PROVINCE)—VEGETABLES—MARKETING

Well done. P. Novosel'tsev. Zakup sel'khoz. prod. no. 1 56-58 Ja '64

ROGOZHKINO REGION (ROSTOV PROVINCE)—STURGEONS—COSTS

Comparative evaluation of the cost of young sturgeons using various commercial rearing methods IU. I Zaidiner, I. IA. Gol'dman, F. V. Averkiev. Trudy AzNIIRKH no. 6,241-251 '63

ROLLER BEARINGS—TESTING

Effect of the quality of surface layer on the durability of roller bearings. L. G Kuklin Trudy Ural. politekh inst no. 129;15-25 '63.

Effect of the radial clearances on the service life of roller bearings. I. V. Slushkin. Vest. TSNII MPS 23 no. 4;32-35 '64.

ROLLING CONTACT

Power conditions, leading, and method of determining the friction coefficient in rolling P S Dobordzhginidze Trudy GPI [Gruz] no 4 179-187 '62

ROLLING (METALWORK)

Determining ingot readiness for rolling P Baranovskii Metallurg 9 no 5 31-32 My '64

Determining the flattened arc of bite in sheet rolling. P. I. Polukhin and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:125-131 '64.

Dynamics of the gripping of a strip by the rollers. I. IA. Tarnovskii, S. L. Kotsar'. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;132-138 '64.

Hardening of rolled wire rod from the rolling temperature by water cooling prior to coiling I. A. IUkhvets and others. Stal' 23 no. 4;364-366 Ap '64.

Increase in width and power consumption during rolling with smooth rolls, using tension. I. IA. Tarnovskii, E. R. Rimm. Izv. vys. ucheb. zav.; chern. met. 7 no. 7; 96-103 '64.

Introducing progressive practices in the planning and recording of the output of economical types of rolled products I. G Bukhvostov. Metallurg 9 no. 5-27-28 My '64

Mastering the production of cold-rolled sheets. V. A Gamershtein, V. G. Litvinenko. Met. i gornorud. prom. no. 6;72-74 N-D '62.

Process of diagonal rolling without mandrels. L. N Oklei, Dzh M Lomsadze Trudy GPI [Gruz.] no. 4 93-99 '62

Resistance to deformation during the rolling of titanium alloys. N. P. Skriabin, V S Baakashvili, V D Korshikov Trudy GPI [Gruz.] no. 4 123-133 '62

Review of F. A. Ksenzuk's, and N. A. Troshchenkov's book "Rolling and finishing of stainless steel strip." A. A. Babakov and others. Stal' 23 no. 4;348 Ap '64.

Rolling beams and channels from butt welded blanks. A. P. Chekmarev, IU. G. Kutsov. Met. i gornorud. prom. no. 6:22-26 N-D '62.

Search for new lubricants for the cold rolling of stainless steel pipe D. M Murinov, A. Z. Grebenshchikova, A. A. Liadova. Stal' 23 no. 4.342-343 Ap '64.

Temperature conditions of metal rolling on continuous, small shape and wire rod mills. N. IU. Taits, V. I. Gubinskii, V. V. Gotmanets. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;147-152 '64.

Work experience of a rolling mill operator. N. N. TSvetkov, P. Evseev. Metallurg 9 no. 7 31 Jl '64.

ROLLING (METALWORK)—DEFECTS

Ways of reducing wheel discards because of angular segregation. V. I. Lapitskii and others. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;84-89 '64.

ROLLING (METALWORK)—QUALITY CONTROL

Dependence of the sheet profile on the roll grooving. L. I. Borovik and others. Metallurg 9 no. 7 28-29 Jl '64.

ROLLING MILLS

Forces and moments during rolling in box grooves. V. G. Al'kov, M. A. Zaikov. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;120-124 '64.

Power conditions, leading, and method of determining the friction coefficient in rolling P S Dobordzhginidze Trudy GPI [Gruz] no 4 179-187 '62

Selecting material for spindle-joint bushings of rolling mills. V S. Popov and others Vest mashinostr. 43 no 12;29-31 D '63.

Trishevskii, I. S., V. V. Klepanda, and N. V. Litovchenko. [Adjustment of continuous rolling mills] Nastroika nepreryvnykh prokatnykh stanov [Moskva] Izd-vo "Metallurgiia," 1964. 366 p.

Unit pressure and friction forces on the surface of the deformation center for a general case of rolling. V. I Sokolovskii. Izv. vys. ucheb. zav., chern. met. 7 no. 7: 104-111 '64.

ROLLING MILLS—BIBLIOGRAPHY see Bibliography—Rolling mills

ROLLING MILLS—COOLING

Automation of rolling-mill coolers. L. G. Podolinskii. Mekh. i avtom proizv. 18 no 1;2-3 Ja '64.

ROLLING MILLS—DESIGN AND CONSTRUCTION

New type of rolling mill working stands A N Bibikov, V. P Lepin. Metallurg 9 no. 5:35 My '64

ROLLING MILLS—MAINTENANCE AND REPAIR

Small-size unit for the induction heating of rolls before placing in the rolling mill stand L M. Logvinov Metallurg 9 no 5 33-34 My '64

ROLLS (ROLLING-MILLS)

Correlation of deformations and roll grooving during the roller expansion of tubes. B. S. Shaikevich, F. S. Seidaliev, IU. F. Shevakin. Izv. vys. ucheb. zav.; chern. met. 7 no. 7;139-146 '64.

Dependence of the sheet profile on the roll grooving. L I. Borovik and others Metallurg 9 no 7 28-29 Jl '64

Efficient grooving for continuous blooming mills. N. V. Skorkin, M. IA. Brovman. Metallurg 9 no 7 26-27 Jl '64

Fluting inclined sections of roll grooves by disk knurling M D. Aizenshtein, E. A Demidovich, A. G. Koba Metallurg 9 no 5 34-35 My '64

Increasing the hardness of chill-cast sheet mill rolls made of magnesium cast iron. N. P. TSykina Stal' 23 no 4:334-337 Ap '64.

Vydrin, V. N., L. L. Sitnikov, and P. V. Kornilov. [Strength of rolling-mill rolls] Stoikost' prokatnykh valkov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1964. 70 p.

Ways of increasing the stability of rolls on cold rolling mills. P. I. Polukhin and others. Stal' 23 no. 4 329-334 Ap '64.

ROLLS (ROLLING-MILLS)—MAINTENANCE AND REPAIR

Build-up welding of steel plate rolls. M. I. Pankov Met. i gornorud. prom. no. 6 74-76 N-D '62.

Preheating the working rolls of the 2800/1700 mill M. A Beniakovskii and others. Metallurg 9 no 5 32-33 My '64.

ROMASHKINO OIL FIELD—BACTERIA, SULFUR

Development zone and the functional activity of sulfate-reducing bacteria in the intra-boundary flooding of oil reservoirs. A. D. Li. Nefteprom. delo no. 7;12-15 '64.

ROMASHKINO OIL FIELD—OIL FIELD FLOODING

Developing and testing equipment for separate water injection into two beds through one injection well on the Romashkino oil field. B. S. Krutikov, A. IU. Pertsov, S. P Pustovoit Nefteprom. delo no. 7;19-23 '64

Development zone and the functional activity of sulfate-reducing bacteria in the intra-boundary flooding of oil reservoirs. A. D. Li. Nefteprom. delo no. 7;12-15 '64.

Water encroachment prognosis for fluids in the intensified development of a circular section of the Minnibayevo area of the Romashkino oil field. A. A. Smirnova. Nauch.-tekh. sbor. po dob. nefti no. 19:77-84 '63.

ROMASHKINO OIL FIELD—PETROLEUM PRODUCTION

Possibilities of injecting liquefied gases in different areas of the Romashkino field with a view to increasing petroleum recovery and the level of petroleum production. N. K. Pravednikov, N. L. Rakovskii, A. N. Seliunin. Trudy VNII no. 40:241-256 '63.

ROME—HISTORY

The formation of the Roman Empire and the problem of social revolution. S.L. Utchenko. Vop ist. 39 no. 7 106-118 Jl '64.

ROME—RELIGION

Nemirovskii, A. I. [Ideology and culture of ancient Rome] Ideologiia i kul'tura rannego Rima. Voronezh, Izd-vo Voronezhskogo univ., 1964. 207 p.

ROME—SOCIAL CONDITIONS

Nemirovskii, A. I. [Ideology and culture of ancient Rome] Ideologiia i kul'tura rannego Rima. Voronezh, Izd-vo Voronezhskogo univ., 1964. 207 p.

ROOFING

Continuous measurement and control of the weight of 1 m^2 tar paper. L. S. Parchuf, V. E. Pervin, L. A. Sukhova. Stroi. mat. 9 no. 6;11-13 Je '63.

Roof coverings made of plastics. IU M. Safronov. Sbor nauch rab AKKH no 16,74-78 '62

ROOFS

(see also subdivision under Yakutia)

Arbuzov, N. T., and A. P. Mandrikov. [Floors and roofs of residential and industrial farm buildings] Poly i krovli zhilykh i proizvodstvennykh sel'skokhoziaistvennykh zdanii. Moskva, Stroiizdat, 1964. 109 p.

Qualities of precast reinforced concrete roofs of multistory apartment buildings E P. Levitan Sbor nauch rab AKKH no 16 15-28 '62

ROOFS, SUSPENSION

Practices in erecting a suspension roof on the main body of a "capron" fiber plant S N Bulgakov Prom stroi 41 no 7 5-8 Jl '64

ROOTS (BOTANY)

(see also subdivision under Ural Mountain region)

Anatomic and microchemical characteristics of the roots of ginseng from geographically distant regions I S Andreeva. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5,63-67 '63.

Effect of growth promoting preparations on the root formation of grapevine cuttings. M M. Sarkisova. Dokl. AN Arm SSR 39 no. 1;53-59 '64.

Inorganic polyphosphates in the roots of corn. V. M. Vagabov, I. S. Kulaev. Dokl. AN SSSR 158 no. 1:218-220 S-O '64.

Methods of studying the longevity of roots in meadow grasses N K. Tatarinova Bot zhur 49 no. 5 678-681 My '64

Stankov, N. Z. [Root system of field crops] Kornevaia sistema polevykh kul'tur. Moskva, Izd-vo "Kolos," 1964. 279 p.
(DNAL)

ROSSINSKII, BORIS ILIODOROVICH, 1884-

Anniversary of a veteran of aeronautics. Kryl. rod. 15 no 5;17 My '64.

ROSTOV PROVINCE—COOPERATIVE SOCIETIES

In the same work rhythm. I. Zametin. Sov. potreb. koop. 8 no. 5;23-24 My '64.

ROSTOV PROVINCE—DISTRIBUTIVE EDUCATION

Our school enterprises. A. Blinovskaia. Sov. potreb. koop. 8 no. 5;37-38 My '64.

ROSTOV PROVINCE—EVENING AND CONTINUATION SCHOOLS

Branch associations of Rostov Province. G. N. Shcherbakov. Vech. sred. shkola 7 no. 2;46-49 Mr-Ap '64.

ROSTOV PROVINCE—PALEONTOLOGY, STRATIGRAPHIC

Khapry fauna of the Liventsovskii sand quarry (Rostov Province). V. S. Baigusheva. Biul. Kom. chetv. per. no 29,44-50 '64.

ROSTOV PROVINCE—PHYSICAL EDUCATION AND TRAINING

Results of research and methodological work at the departments of physical education. M A. Kalmykov. Teor. i prak. fiz. kul't. 27 no. 5;78-79 My '64.

ROSTOV PROVINCE—QUARRIES AND QUARRYING

Overall mechanization of the quarrying of building stone in Rostov Province. P. A. Golovkov. Trudy NPI 144; 43-53 '63.

ROSTOV PROVINCE—STRONGYLOIDIASIS

Case of strongyloidiasis in Rostov Province based on data of the clinic of the Rostov Institute of Parasitology. T. N. Bereslavich. Med. paraz. i paraz. bol. 32 no. 4; 488-489 Jl-Ag '63.

ROSTOV PROVINCE—TEACHERS, TRAINING OF

Branch associations of Rostov Province. G. N. Shcherbakov. Vech. sred. shkola 7 no. 2;46-49 Mr-Ap '64.

ROTARY HEARTH FURNACES

First rotary 100-ton converter in the U. S. S. R. I M. Birinberg, A. A. Perlmov, N. I. Perlov Metallurg 9 no. 7 15-19 Jl '64.

ROTARY KILNS see Kilns, Rotary

ROTATING AMPLIFIERS

Series of motor-amplifiers. D. A. Alenchikov and others. Elektrotekhnika 35 no. 6;19-24 Je '64.

ROTATING BODIES

Motion of a disc in a Newtonian field of force. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 28 no. 4:759-760 Jl-Ag '64.

Optimal conditions for decelerating the rotary motion of a symmetrical body. B. A. Smol'nikov. Prikl. mat. i mekh. 28 no. 4:726-734 Jl-Ag '64.

ROTATING DISKS see Disks, Rotating

ROTATING MASSES OF FLUID

Acceleration of a rotating plasma in axisymmetric channels. A.I.Morozov, L.S.Solov'ev. Zhur.tekh. fiz. 34 no.7:1154-1169 Jl '64.

ROTATION OF CROPS

(see also subdivision under Kostroma Province, Krasnodar Territory; Ukraine, Western)

Effect of a methodical use of fertilizers in crop rotations on the nitrogen content of soils. P.M.Smirnov. Izv. TSKHA no. 6 93-103 '63.

Effect of continuous crop rotation, monocultures, and fertilization on the composition of soil microflora E.N.Mishustin, E Z.Tepper Izv TSKHA no. 6 85-92 '63

Fertilizers in crop rotation A.I.Lobedik. Zemledelie 26 no. 6:25-30 Je '64

Liming of continuously fertilized soils in crop rotation and monoculture. V E.Egorov, B A Dospekhov. Izv. TSKHA no. 6:125-137 '63.

Results of half a century's field experiments of the Timiriazev Agricultural Academy with fertilizers, crop rotation, and monocultures V.E.Egorov Izv. TSKHA no. 6:30-56 '63.

Role of continuous use of fertilizers, crop rotation, and monocultures in the change of the organic matter in Podzolic soils. A. M Lykov. Izv TSKHA no 6.57-63 '63.

ROTORS—VIBRATION

Experimental investigation of natural vibrations of a rotor in sliding bearings. S.P.Maksimov. Izv.AN SSSR.Mekh.i mashinostr. no.4:133-139 Jl-Ag '64.

ROTORS (HELICOPTERS)—VIBRATION

Calculation of natural joint bending and torsional vibrations of a rotating helicopter blade. M B Vakhitov. Izv vys ucheb.zav , av tekh 6 no 4.37-54 '63

ROTTERDAM—FLORICULTURE—EXHIBITIONS

International flower exhibitions in Holland and Italy. K.A.Sobolevskaia. Izv.Sib.otd.AN SSSR no.10.139-141 '62.

ROVNO PROVINCE—ATHEISM—STUDY AND TEACHING

Light in the window. F.Kiril'chuk. Agitator no.10: 34-36 My '64.

ROVNO PROVINCE—SECTS

Light in the window. F.Kiril'chuk. Agitator no.10: 34-36 My '64.

ROWAN—DISEASES AND PESTS see subdivision under Leningrad Province

ROWING

Elements of tactics in races lasting several days. A.A. Krasnikov. Teor.i prak.fiz kul't. 27 no.5:71-73 My '64.

ROZHDESTVENSKII, GENNADII

A portrait sketch E.Rateer. Sov.muz. 28 no.1:64-67 Ja '64

RUBBER—ANALYSIS

Vsesoiuznoe soveshchanie khimiko-analitikov rezinovoi promyshlennosti, 1st, Moscow, 1956. [Methods for the analysis of raw products and materials used in the rubber industry; reports] Metody analiza syr'ia i materialov, primeniaemykh v rezinovoi promyshlennosti; doklady. Moskva, TSentr.biuro tekhn.informatsii, 1959. 160 p.

[MICROFILM]

RUBBER—SPECIFICATIONS

Types, grades and defects of natural rubber used in international trade. S.M.Mezhykovskyi. Khim.prom. [Ukr.] no.3:65-67 Jl-S '63.

RUBBER—TESTING

Evaluating the degree of agressiveness of petroleum products by the swelling of indicator rubbers. L.I. Bichevskaia. Kauch.i rez. 23 no.7:29 Jl '64

Quantitative characteristics of rubber fatigue in case of an asymmetric load cycle. M M Reznikovskii, K.N. Lazareva. Kauch.i rez. 23 no.7:32-36 Jl '64.

RUBBER, SYNTHETIC

(see also subdivision under Omsk)

Improving the quality of n-butanol produced by synthetic rubber factories. K.K.Lebedev, I.F.Chistov, M.A. Rakitina. Gidroliz.i lesokhim.prom. 17 no.3:13-15 '64.

In the State Committee of the Petroleum Processing and Petroleum Chemicals Industry Attached to State Planning Commission of the U.S.S.R and in the Trade Union of the Workers of the Petroleum and Chemical Industries. Kauch.i rez. 23 no.7:53-54 Jl '64

Preparation of compounds based on butadiene-acrylonitrile (SKN) rubber in rubber mixers M.Z.Rakhman, A S.Aziev. Kauch.i rez. 23 no.7:51-52 Jl '64

Properties of siloxane rubber containing chloromethyl groups. S.N.Borisov, V A.Marei. Kauch.i rez. 23 no.7:1-6 Jl '64.

Properties of vulcanizates from butadiene-nitrile rubber combined with thermosetting resins. B.N.Dinzburg, B.A.Safrai, N.K.Barambol. Kauch i rez. 23 no.7: 11-15 Jl '64.

Synthesis and use of butadiene-methacroleinic latexes Z M Rumiantseva and others Kauch i rez. 23 no 7 7-10 Jl '64

Use of sodium silicate as thickener in LNT-a chloroprene latex. V.L.Ralatskas, I.P.Shal'chute. Kozh.-obuv.prom. 6 no.7:24-26 Jl '64.

RUBBER, SYNTHETIC—COSTS

Certain reserves for reducing the production cost of synthetic rubber [in Azerbaijani with summary in Russian]. A.G Manafov, M.B.Tagiev Azerb neft. khoz. 43 no 3:47-48 Mr '64

RUBBER GOODS

Preparation of the steel reinforcement in the manufacture of rubber-carcass gaskets with the gluing method of rubber to metal bonding N I Nabok, N P Timoshina Kauch i rez. 23 no 7 48-49 Jl '64

Use of rubber in the assemblies of the rolling stock and track structure L D Vinitskii Zhel.dor transp 46 no.7:79-80 Jl '64.

RUBBER INDUSTRY

Automation in the preparation departments of rubber tire plants B E Mandel'shtam S A Prasolov Kauch i rez 23 no 7 36-42 Jl '64.

RUBBER INDUSTRY—DICTIONARIES

Russian-English dictionary for the Rubber and Plastics Industry Reviewed by F I IAshunskaia Kauch i rez 23 no.7 62 Jl '64

RUBBER INDUSTRY—FINANCE see subdivision under Moscow

RUBBER INDUSTRY—PERIODICALS

Readers' conference in Yaroslavl Kauch.i rez 23 no 7 56-57 Jl '64.

RUBBER MACHINERY

Device for cutting calendered sheet rubber made from natural rubber A P Lushnikov Kauch i rez 23 no 7 49-50 Jl '64

Preparation of compounds based on butadiene-acrylonitrile (SKN) rubber in rubber mixers. M Z Rakhman, A.S Aziev. Kauch i rez 23 no 7 51-52 Jl '64.

Some problems of the classification of rubber industry equipment and the specialization of the design and planning organizations. IU N Stepanov Kauch.i rez 23 no 7 46-47 Jl '64.

RUBBER PIPE see Pipe, Rubber

RUBBER TIRES see Tires, Rubber

RUBBER TO METAL BONDING

Preparation of the steel reinforcement in the manufacture of rubber-carcass gaskets with the gluing method of rubber to metal bonding. N.I Nabok, N P Timoshina. Kauch i rez 23 no 7:48-49 Jl '64

RUBETS', IVAN MERKUR'EV

I.M.Rubets' forgotten expedition to Kamchatka in the 1660's. B.P.Polevoi. Izv AN SSSR.Ser.geog. no 4: 130-135 '64.

RUBIDIUM CHLORIDE

Interaction of tantalum tetrachloride with rubidium and cesium chlorides. V.V.Safonov and others. Zhur. neorg.khim. 9 no.6:1406-1410 Je '64.

RUBIDIUM COMPOUNDS

Dielectric polarization of crystal hydrates of indium-rubidium sulfate. V.M.Ezuchevskaia, IA.K.Syrkin, E.N.Deichman. Zhur.neorg.khim. 9 no.6:1495 Je '64.

RUBIDIUM SALTS

Systems $RbNO_2 - Ba(NO_2)_2 - H_2O$ and $CsNO_2 - Ba(NO_2)_2 - H_2O$ at 25°C. P.I.Protsenko, T.A.Andreeva. Zhur. neorg.khim. 9 no.6:1441-1445 Je '64.

RUCH'EV, BORIS ALEKSANDROVICH, 1913

Poetry of truth and love. A.Vlasenko. Oktiabr' 40 no.4:216-218 Ap '64.

RUDNICKI, ADOLF, 1912-

Singer of the pure flow. S.Larin. Nov.mir. 39 no.12 252-255 D '63.

RUMANIA—ACCOUNTING—PERIODICALS

Review of the "Evidenta contabilă" journal G.Berman. Bukhg.uchet 20 no 12.65-66 D '63.

RUMANIA—COMMUNIST PARTY

The Communist Party of Rumania was the organizer of the antifascist struggle and the victory of the armed uprising of August 23, 1944. N.I.Lebedev. Vop.ist. 39 no.7:60-73 Jl '64

RUMANIA—COMMUNIST PARTY—PERIODICALS

Review of foreign history-party journals. Vop.ist.KPSS 8 no.9:143-144 S '64.

RUMANIA—ECONOMIC CONDITIONS

[People's Rumania today, 1944-1964; articles, essays, interviews, poetry and brief news] Narodnaia Rumyniia segodnia, 1944-1964; stat'i, ocherki, interv'iu, stikhi, khronika. Moskva, Izd-vo "Pravda," 1964. 231 p. illus.

RUMANIA—FOREIGN RELATIONS—GERMANY

"Economic, military and political aggression of German imperialism in Rumania, 1938-1944" by A [illegible]. Reviewed by V L Israelian Vop ist 39 no 7 148-150 Jl '64

RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS

"Studii Teologice," journal of theological institutes of the Rumanian Patriarchate, nos 1-2, 1963 V.Vladimirov Zhur Mosk Patr no 7 78-79 '64

RUMANIA—ORTHODOX EASTERN CHURCH—RELATIONS

Representatives of Rumanian youth in Russian theological schools Epifanii Norochel Zhur Mosk Patr no 8 55-58 '64

RUMANIA—PERONOSPORALES

Some endemic or rare species of Peronospora in the Rumanian People's Republic. O.T.Sevulescu. Bot. zhur. 49 no.7 1023-1024 Jl '64.

RUMANIA—STATISTICS

Achievements of the national economy of the Rumanian People's Republic in 20 years Vest stat no 7:72-95 '64.

RUMANIA—TECHNOLOGICAL INNOVATIONS

Our work for the People's Rumania. N.Murgulets. NTO 5 no.12 52-54 D '63.

RUMANIA—WORLD WAR, 1939-1945

The Communist Party of Rumania was the organizer of the antifascist struggle and the victory of the armed uprising of August 23, 1944 N I Lebedev. Vop ist 39 no 7 60-73 Jl '64

The Jassy-Kishinev operation. V.Anfilov. Nov.vrem. 22 no.34.5-8 Ag '64.

Rumania of our day Nov.vrem. 22 no.34 4-5 Ag '64.

RUMEN

Effect of insulin on phosphate excretion by the "little rumen" wall in cattle. S Z Il'zhyts'kyi, M M Vol's'kyi Dop.AN URSR no 8:1092-1094 '64

RUMEX

Isolation and studies on dyes from some sorrels. O.K. Bahrii. Farmatsev zhur 18 no 5 25-29 '63

RUNOFF

(see also subdivision under Azov Sea region; Lena Valley; Selenga River; Soviet Central Asia; Ukraine, Vologda Province; Zeravshan Valley)

Calculation of runoff when the seat of a shower moves. V A Maksimov. Meteor i gidrol no 7 16-18 Jl '64

Freezing in the upper reaches of mountain rivers and its role in the variations of water discharges E M Kozik. Meteor i gidrol no 7 20-21 Jl '64

Graphs for calculating reservoirs of long-term runoff with consideration of the relation between the volume of the runoff of related years. B.A.Gleizer Trudy Giprovodkhoza no 22:107-115 '63

Methods for the estimation of possible changes in the river runoff under the influence of agriculture. A I Chebotarev, S.I Kharchenko Meteor i gidrol. no 7 27-32 Jl '64

Precalculation of a hydrography by the water budget method using an electronic computer G P Kalinin, A G Levin Meteor i gidrol no 7 3-10 Jl '64

Role of the solid runoff of rivers in mercury migration. N.S.Skiba. Zap.Kir.otd.Vses min.ob-va no.4 31-42 '63.

Study of liquid integrating floats in river streams. V.E Rusakov Meteor i gidrol no.7.44-58 Jl '64

RURAL CONSTRUCTION—STANDARDS

Concerning the organization of the designing of industrial buildings and production structures in agriculture. Biul stroi.tekh. 20 no 12:1-6 D '63

RURAL LIBRARIES

(see also subdivision under Dulebino, Moscow Province; Kharkov Province; Moscow Province, Penza Province; Saratov Province; Yaroslavl Province)

According to a common plan. L. Zabavnikov. Bibliotekar' no 8:14-15 Ag '64.

Let us work with periodicals. V Tokarev Bibliotekar' no 8.15-16 Ag '64

What we owe to books F.Keleinikova. Bibliotekar' no.7: 18-19 Jl '64.

RURAL SCHOOLS see subdivision under Estonia; Moscow Province; Sverdlovsk Province

RURAL WATER SUPPLY see Water supply, Rural

RUSSIA—AIRBORNE TROOPS

People of courage. A.Bulatov. Voen.znan. 40 no.7: 47 Jl '64.

RUSSIA—ARMED FORCES

According to Lenin's legacy. Voen.vest. 43 no.4:3-8 Ap '64.

Laws of materialistic dialectics and their manifestation in military affairs. E.Rybkin. Komm.Vooruzh.Sil 4 no.7:46-51 Ap '64.

Our banner and weapons. Komm.Vooruzh.Sil 4 no.7: 3-8 Ap '64.

RUSSIA—ARMED FORCES—GUARD DUTY

A soldier prepares for guard. I. Tverdovskii, A. Kudriavtsev. Voen.vest. 44 no.7.69-71 Jl '64.

RUSSIA—ARMED FORCES—INSPECTION

Leninist control in action. A Antipov. Tekh. i vooruzh no 3:4-5 Mr '64

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Decisions come true. Komm. Vooruzh. Sil 4 no. 7:67-70 Ap '64.

Elbow of a friend. A. Sidorov. Komm. Vooruzh. Sil 4 no. 7:72 Ap '64.

Follow-up of our articles. Komm. Vooruzh. Sil 4 no. 7:96 Ap '64.

News of party and political work. Komm. Vooruzh. Sil 4 no. 7:94-96 Ap '64.

Organization work decides the success of a thing. V. Grishanov. Komm. Vooruzh. Sil 4 no. 7:24-31 Ap '64.

Responsibiltiy is individual. M. Amelichkin. Komm. Vooruzh. Sil 4 no. 7;70-72 Ap '62.

Source of instruction to soldiers. A. Gusev. Komm. Vooruzh. Sil 4 no. 7 56-60 Ap '64.

RUSSIA—ARMED FORCES—SPORTS

Gavrilin, V. M. [Army champions] Armeiskie chempiony. Moskva, Voenizdat, 1964. 125 p. (SSSR Master sporta)

RUSSIA—ARMED FORCES—TECHNOLOGICAL INNOVATIONS

Get acquainted Invention! Tekh i vooruzh no 3: 0-81 Mr '64

RUSSIA—ARMY

"Soldier movement in the years of the Decembrists" by V A Fedorov Reviewed by P. IA Dukshpan. Vop. ist 39 no 7.140-142 Jl '64

RUSSIA—ARMY—COMMISSARIAT

At a model depot L IAkovishin. Starsh.-serzh. no. 7 13 Jl '64

Military commissariat, work, experience, cares. K. Kraiko. Voen. vest. 44 no. 7;72-76 Jl '64.

RUSSIA—ARMY—EDUCATION, NONMILITARY

School of patriotism. I. Kh. Bagramian. Mol. komm. no. 2:12-20 F '64.

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Gold star of a hero. Komm. Vooruzh. Sil 4 no. 7:82-83 Ap '64.

Highest decoration. Voen vest. 43 no 4:122 Ap '64.

Highest title of distinction. M. Lasarev. Sov. shakht 13 no. 4:43-44 Ap '64

RUSSIA—ARMY—NONCOMMISSIONED OFFICERS

Sergeants are the support of officers. B. Smirnov. Voen. vest. 43 no. 4:71-74 Ap '64.

RUSSIA—ARMY—OFFICERS

With reserve officers. Voen. vest. 43 no. 4:60-61 Ap '64.

RUSSIA—ARMY—POLITICAL ACTIVITY

The man with a gun. A. Makunin. Mol. komm. no. 2:21-24 F '64.

Platoon activists. A. Kolesnikov. Voen. vest. 43 no. 4:56-60 Ap '64.

RUSSIA—ARMY—POSTAL SERVICE

The mail came. S. Berezenko. Starsh -serzh. no. 7: 28 Jl '64

RUSSIA—ARMY—SPORTS

Beacons in training, leaders in sports! I. Pozhidaev. Sov. voin 46 no. 9;44-45 My '64.

RUSSIA—ARMY—SUPPLIES AND STORES

We are perfecting a supply system. Ludwig Szulc. Tekh. i vooruzh. no. 3:85-87 Mr '64.

RUSSIA—ARMY—TECHNOLOGICAL INNOVATIONS

Solve the main problems. N Rakhmanov. Tekh i vooruzh. no 3; 79-81 Mr '64.

RUSSIA—CLIMATE

Duration of the cold season on the territory of the U. S. S. R. L S. Potapova. Izv AN SSSR. Ser. geog. no. 4:125-129 '64.

RUSSIA—COMMERCE

Baryshnikov, E. I., A. N. Kashaev, and I. A. Firsova. [Accounting in state commerce] Bukhgalterskii uchet v gosudarstvennoi torgovle. Moskva, Ekonomika, 1964. 446 p.

Letter of credit in international accounts. A. Al'tshuler, L. Volkov. Vnesh. torg. 44 no. 6;47-51 '64.

RUSSIA—COMMERCE—EUROPE, EASTERN

Evaluation of the economic efficiency of foreign trade G Smirnov, B. Zotov, G Shagalov Plan khoz 41 no. 8 25-32 Ag '64.

The export of ships is growing. I. F. Semichastnov. Vnesh. torg. 44 no. 7;20 '64.

RUSSIA—COMMERCE—GREAT BRITAIN

M V. Nesterov on trade with Great Britain; interview. Nov vrem 21 no 29 23 Jl '64

Old positions are reconsidered. E. Selikhov. Vnesh. torg. 44 no. 6,52-54 '64.

The term of agreement is extended Vnesh torg 44 no. 7,20 '64

Trade agreements of the U.S S R. Vnesh. torg. 44 no. 7;56 '64.

RUSSIA—COMMERCE—JAPAN

In the interests of further expansion of Soviet-Japanese economic relations. Meeting of the Delegation Of the Supreme Soviet of the U. S. S. R. with the representative of Japanese business circles. Vnesh. torg. 44 no. 7:3-6 '64.

Trade is the way to draw peoples together. A. I. Mikoian's statement at a meeting with Kansai region businessmen. Vnesh. torg. 44 no. 6.3-4 '64.

RUSSIA—COMMERCE—MEXICO

Our trade with Mexico V Kolodkov Nov vrem 22 no 31 20-21 Jl '64

RUSSIA—COMMERCE—SINKIANG

British and Russian commerce with Sinkiang during the first half of the 19th century. V. S. Kuzentsov. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6;20-30 '64.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—CONSTITUTIONAL LAW

Kaliuzhnyi, V. I., and IU. E. Volkov. [The socialist all-people state; textbook for students of secondary special schools of social sciences] Sotsialisticheskoe obshchenarodnoe gosudarstvo; posobie dlia uchashchikhsia srednikh spetsial'nykh uchebnykh zavedenii po obshchestvovedeniiu. [Moskva] Vysshaia shkola, 1964. 38 p.

RUSSIA—DIPLOMATIC AND CONSULAR SERVICE—PRIVILEGES AND IMMUNITIES

Immunity of the Trade Agency and its concept in the light of the Leninist doctrine of peaceful coexistence V S. Mikhailov Uch.zap. Dal'nevost. gos un no 6: 207-222 '62.

RUSSIA—ECONOMIC CONDITIONS

The building of communism in the U. S. S. R. and the world socialist system. S Zhurba. Komm. Ukr. 39 no. 5;86-92 My '64.

Important step toward further improvement of the material welfare of the people Vest stat no. 6:3-7 '64

Program of the CPSU put into practice. Vop. ist. KPSS 8 no. 9:3-11 S '64.

Rumania of our day. Nov. vrem. 22 no. 34:4-5 Ag '64.

Statistics of the Soviet seven-year plan. Nov vrem 22 no 31-15 Jl '64

Through the cities of Rumania. A. Markov. Nov. vrem. 22 no. 34,8-9 Ag '64.

RUSSIA—ECONOMIC POLICY

Biakov, V. F., and A. IA. Proslanik. [The party's struggle for realization of Lenin's plan to build socialism in the U. S. S. R., 1926-1932] Bor'ba partii za osushchestvlenie Leninskogo plana postroeniia sotsializma v SSSR (1926-1932 gg.) Moskva, Politizdat, 1964. 78 p. (Methodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Dialectic of the development of production in the period of the large-scale building of communism. L. N. Kurchikov. Trudy kaf. obshchestv. nauk OEIS no. 3;15-30 '62.

For you, people... A. Motylev. Mol. Komm. no. 2:70-75 F '64.

Geography and economy A. V. Korobov Izv. AN SSSR Ser. geog. no. 4;3-11 '64.

Gromov, E. A. [Factors in increasing the efficiency of productive work] O faktorakh povysheniia effektivnosti obshchestvennogo proizvodstva. Moskva, Izd-vo "Nauka," 1964. 116 p.

In the name of man, for the good of man. Bibliotekar' no 8 1-3 Ag '64.

In the State Planning Committee of the U. S. S. R. Plan khoz. 41 no. 8 91-92 Ag '64

The past year and the coming year. IA. Tavrov. Nov. mir 40 no. 1;186-201 Ja '64.

Several problems of financial planning. M. Atlas. Fin. SSSR 38 no. 6;33-41 Je '64.

Stimulation, measure, tempo; problems of the New Economic Policy. IU A. Poliakov. Vop. ist 39 no. 7: 21-32 Jl '64

The 22d Congress of the Communist Party of the Soviet Union as a marker of a new epoch. A. F. Kucherov. Trudy kaf. obshchestv. nauk OEIS no. 3;5-14 '62.

Useful aid IA. Chadaev. Plan. khoz 41 no. 8;88-90 Ag '64

RUSSIA—ECONOMIC POLICY—CONGRESSES

In the Regional Economic Council of the U. S. S. R. Plan. khoz 41 no 8.93-95 Ag '64.

RUSSIA—FOREIGN ECONOMIC RELATIONS

Immunity of the Trade Agency and its concept in the light of the Leninist doctrine of peaceful coexistence. V. S. Mikhailov Uch. zap. Dal'nevost gos un. no. 6: 207-222 '62.

RUSSIA—FOREIGN ECONOMIC RELATIONS—ALGERIA

Agreement with Algeria in operation. B. Zaitsev. Vnesh. torg. 44 no. 6:16-19 '64.

RUSSIA—FOREIGN ECONOMIC RELATIONS—EGYPT

The cooperation between the peoples of the U. S. S. R. and the United Arab Republic is getting stronger Vnesh torg. 44 no. 7:1"-19 '64

RUSSIA—FOREIGN RELATIONS

News on events in the U. S. S. R. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:120-130 N-D '63.

Peace and peaceful coexistence. N. S. Khrushchev. Komm Ukr 39 no 5;8-14 My '64.

Resolutions of the Second Soviet Conference of Afro-Asian Solidarity Az i Afr seg 8 no. 7 60-63 Jl '64.

Soviet Government statement on the convening of the Second Afro-Asian Conference. Soviet Government statement on Cyprus. Documents on the Hiroshima Conference to Prohibit Atomic Weapons. Nov. vrem. 22 no. 34:33-40 Ag '64.

RUSSIA—FOREIGN RELATIONS—ALGERIA

Brothers in spirit M Zenovich. Az i Afr. seg 8 no. 6: 6-7 Je '64

RUSSIA—FOREIGN RELATIONS—ARAB COUNTRIES

The spring of Soviet-Arab friendship Az. i Afr. seg. 8 no 7 4-6, 11 Jl '64.

RUSSIA—FOREIGN RELATIONS—BULGARIA

A centennial accomplished in a few years. IA Shavrov. Mezhdunar zhizn' 11 no 9:12-19 S '64

Our commentary Nov. vrem. 21 no. 30:5-6 Jl '64

RUSSIA—FOREIGN RELATIONS—CHINA

Consequences of Soviet-Chinese discord; based on materials of a general discussion at the Institute for the Study of the U. S. S. R. P. P. Kruzhin. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:22-34 N-D '63.

For unity and solidarity. V. I. Gromeka. Vop. ist. KPSS 8 no. 9;117-122 S '64.

Letter of the Central Committee of the CPSU to the Central Committee of the Communist Party of China Kommunist 41 no. 10 9-20 Jl '64

Letter of the Central Committee of the Communist Party of China to the Central Committee of the CPSU Kommunist 41 no 10 20-24 Jl '64

RUSSIA—FOREIGN RELATIONS—FINLAND

Policy tested by time; testimony of the twenty-five years of Soviet-Finnish relations. L. Bezymenskii. Nov. vrem. 22 no. 35:10-13 Ag '64

RUSSIA—FOREIGN RELATIONS—GERMANY

"From Brest to Kiel; failure of the anti-Soviet policy of German imperialism in 1918" by A Akhtamzian. Reviewed by IA S Drabkin Vop ist 39 no. 7:151-153 Jl '64

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

Our commentary Nov vrem 22 no. 32;3-4 Ag '64.

RUSSIA—FOREIGN RELATIONS—INDONESIA

A. I Mikoian on Soviet-Indonesian negotiations Nov vrem 21 no 29 5-6 Jl '64

The Soviet Union and Indonesia, documents and speeches (supplement). Nov. vrem 21 no. 29 36-48 Jl '64.

RUSSIA—FOREIGN RELATIONS—JAPAN

Neighbors must live in peace and friendship. I. Nikolaev, M IUr'ev Kommunist 41 no. 10 124-127 Jl '64.

RUSSIA—FOREIGN RELATIONS—POLAND

Poland celebrates Nov vrem. 21 no. 30 3-4 Jl '64.

RUSSIA—FOREIGN RELATIONS—SCANDINAVIA

Peaceful coexistence in practice. Kommunist 41 no. 10: 3-8 Jl '64

[The route of peace; the visit of N. S. Khrushchev, Chairman of the Council of Ministers of the U. S. S. R. to Denmark, Sweden and Norway from June 16 to July 4, 1964] Marshrut mira; vizit Predsedatelia Soveta Ministrov SSSR N. S. Khrushcheva v Daniiu, Shvetsiiu i Norvegiiu, 16 iiunia-4 iiulia 1964 goda. Moskva, Politizdat, 1964. 294 p.

RUSSIA—HISTORY

The agrarian question in Russia in the interpretation of contemporary bourgeois historiography. V T Pashuto. Vop. ist. 39 no. 7:88-105 Jl '64.

Akademiia nauk SSSR. Institut istorii. [Brief history of of the U. S. S. R. in two parts] Kratkaia istoriia SSSR v dvukh chastiakh. Moskva, Izd-vo "Nauka,"
 Pt. 2. [From the Great October Socialist Revolution to our times] Ot Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii do nashikh dnei. 1964. 631 p.

Akademiia nauk SSSR. Institut istorii. Leningradskoe otdelenie. [Studies on the history of feudal and serf-holding Russia] Issledovaniia po istorii feodal'no krepostnicheskoi Rossii; sbornik statei. Moskva, Nauka, 1964. 208 p.

RUSSIA—HISTORY (Continued)

History and poetry. G. Fedorov. Nov. mir 40 no. 2·275-278 F '64.

New book on the history of our motherland. K N. Tarnovskii, S O. Shmidt Vop ist 39 no 7 133-136 Jl '64

Solov'ev, S. M. [History of Russia from ancient times in 15 books] Istoriia Rossii s drevneishikh vremen v piatnadtsati knigakh Moskva, Izd-vo "Mysl'."
Book 12 (vols. 23-24) 1964. 714 p.

Zaionchkovskii, P. A. [Crisis of autocratic rule within the period of 1870-1880] Krizis samoderzhaviia na rubezhe, 1870-1880-kh godov. [Moskva] Izd-vo Mosk. univ., 1964. 509 p.

RUSSIA—HISTORY—BIBLIOGRAPHY

Brief notes Vop arkh. 8 no. 3·118-119 Jl-S '63

RUSSIA—INDUSTRIES

Calculating specific capital investments in complex productions R. Tikidzhiev, E. Shapiro Plan khoz 41 no 8 38-44 Ag '64

Facts refute fabrications. S. Efimov. Vnesh. torg. 44 no. 6:33-35 '64.

RUSSIA—INVASION OF 1812

Two anniversary publications. V. I. Vialikov. Vop arkh 8 no. 3·115-118 Jl-S '63.

RUSSIA—LANGUAGES

V .

period, materials] Voprosy razvitiia literaturnykh iazykov narodov SSSR v sovetskuiu epokhu; materialy. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 378 p.

RUSSIA—MANUFACTURES

Basic trends of the technological progress in light industries for the period from 1966 to 1970. P. P. Faminskii. Kozh.-obuv. prom. 6 no. 7:1-3 Jl '64.

"Economics of the light industry" by A. M. Gornostai-Pol'skii, L. I. Itin. Reviewed by P. S. Pushkin, S. I. Ovchinnikov. Kozh.-obuv. prom. 6 no. 7:40-43 Jl '64.

The editor of the journal replied to its readers. Sov. profsoiuzy 20 no. 16:45 Ag '64.

The role of the crown peasants in Karelia, European Northern Russia, and the Urals in the development of industry, from the second half of the 18th through the first third of the 19th century. A. S. Cheravan'. Uch. zap. Petrozav. gos. un. 11 no. 1:142-200 '62.

Standardizing the stocks of goods and reducing marketing time in the consumer goods trade. E. A. TSelykovskaia, L. P. Fedorova. Vest. LGU 19 no. 11:16-27 '64.

RUSSIA—NAVY

Navy of the Soviet state. V. Ivanov. Voen. znan. 40 no. 7:1-2 Jl '64.

Sea winds. Starsh.-serzh. no. 7:1 Jl '64.

RUSSIA—NAVY—BIBLIOGRAPHY

IU. M. Shokal'skii and naval bibliography. E. Volkov. Voen.-ist. zhur. 5 no. 4:114-116 Ap '63.

RUSSIA—NAVY—BOATS

Every rocket is a target hit. P. Proshin. Voen. znan. 40 no. 7:11-12 Jl '64.

RUSSIA—NAVY—FUEL

For the sake of saving fuel. A. Petrov. Starsh.-serzh. no. 7:8 Jl '64.

RUSSIA—NAVY—HISTORY

Military calendar. Voen. znan. 40 no. 7:48 Jl '64.

RUSSIA—NAVY—TECHNOLOGICAL INNOVATIONS

Duty, official and public. P. Nechaev. Tekh. i vooruzh. no. 3:76-78 Mr '64.

RUSSIA—OFFICIALS AND EMPLOYEES

Development of democratic principles in government service in the present period. I. N. Pakhomov. Sov. gos. i pravo 34 no. 7:39-44 Jl '64.

RUSSIA—OFFICIALS AND EMPLOYEES—TRAVEL REGULATIONS

Mutsinova, N. A. [Official travel] Sluzhebnye komandirovki. Moskva, Izd-vo "IUridicheskaia literatura," 1964. 37 p. (IUridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

RUSSIA—POLITICS AND GOVERNMENT

Basic phases in the development of the Soviet socialist state. A. K. Belykh. Uch. zap. Kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 4:133-150 '63.

[Deputy and life] Deputat i zhizn'; [sbornik statei. Kostroma] Kostromskoe knizhnoe izd-vo, 1963. 36 p.
(CSt-H)

[Gazette of the Supreme Soviet of the R.S.F.S.R.]. Ved Verkh. Sov. RSFSR 6 nos. 28, 30, 33, 35 Jl-S '64.

[Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh. Sov. SSSR 27 nos. 35-38 Ag-S '64.

Increased role of public-service organizations in governmental administration. M. Z. Belova. Uch. zap. Kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 4:151-167 '63.

News on events in the U.S.S.R. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:120-130 N-D '63.

Suprun, S. A. [Groups of deputies] Deputatskaia gruppa. [Omsk] Omskoe knizhnoe izd-vo, 1963. 30 p. (Resheniia XXII s"ezda KPSS - v zhizn')
(CSt-H)

RUSSIA—REBELLION OF STENKA RAZIN, 1667-1671

History of the anti-feudal uprisings of the Russian peasantry in the seventies of the 17th century; assassination of the boyar G S. Cherkasskii T. V. Starostina. Uch zap. Petrozav gos. un 11 no. 1 255-263 '62.

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Contacts of Soviet and Czechoslovak scientists. I. R. Selimkhanov, R. M TSeitlin Vest AN SSSR 34 no 6 89-91 Je '64.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

International relations of Siberian scientists F. A. Kiselev. Vest AN SSSR 34 no. 6 87-88 Je '64

Our friends are coming to us P. Semidetova. Sots. obesp. 24 no 12:46-48 D '63.

Slukhovskii, M. I. [From the history of Russian book culture, the Old Russian book in international cultural relations] Iz istorii knizhnoi kul'tury Rossii, starorusskaia kniga v mezhdunarodnykh kul'turnykh sviaziakh. Moskva, Prosveshchenie, 1964. 241 p.

Visits of foreign scientists to the U.S.S.R. Vest AN SSSR 34 no. 6 91-92 Je '64.

RUSSIA—RELATIONS (GENERAL) WITH INDONESIA

Welcome Indonesia. A. Guber. Nov. vrem. 22 no. 34·10-11 Ag '64.

RUSSIA—RELATIONS (GENERAL) WITH LATIN AMERICA

Fiftieth anniversary of the Russian scientific expedition to Latin America B V. Lukin Vest AN SSSR 34 no. 6 107-109 Je '64.

RUSSIA—RELATIONS (GENERAL) WITH MEXICO

The Soviet Union and Mexico. A. Sizonenko. Nov vrem. 22 no. 32:6 Ag '64

RUSSIA—RELATIONS (GENERAL) WITH POLAND

Brothers forever. S. Lesnevskii. Voen. znan. 40 no. 7:14-15 Jl '64.

Special issue of the Polish periodical "Gospodarka i administracja terenova" (Local economy and government). Sov. gos. i pravo 34 no. 7·160 Jl '64.

RUSSIA—RELATIONS (MILITARY) WITH POLAND

Friendship I. Aseev. Starsh.-serzh no. 7:31 Jl '64.

RUSSIA—REVOLUTION, 1917-1921

Akademiia nauk SSSR. Institut istorii. [The soviets and the union of the working class and peasantry in the October Revolution] Sovety i soiuz rabochego klassa i krest'ianstva v Oktiabr'skoi revoliutsii, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 226 p.

The Communist Party, the organizer of universal military training for the working masses during the civil war in the U.S.S.R. P. Dmitriev. Voen.-ist. zhur. 5 no. 4:3-17 Ap '63.

Heroes of the breakthrough of the enemy front S. Budennyi. Voen.-ist. zhur. 5 no. 4:55-63 Ap '63.

Statistical data on the mobilization of workers into the Red Army, 1918-1920. S. M Kliatskin. Vop. ist. 39 no 7.207-211 Jl '64.

V. I. Lenin on the possibilities of a peaceful development of the revolution at the moment of the liquidation of the Kornilov mutiny. N. F. Slavin. Uch. zap. Petrozav gos. un. 11 no. 1:3-22 '62.

Vitkovskii, V. K. [In the struggle for Russia; recollections] V bor'be za Rossiiu; vospominaniia. [Paris?] 1963. 79 p.
(CtY)

RUSSIA—REVOLUTION, 1917-1921—BIOGRAPHY

[Heroes of the civil war] Geroi grazhdanskoi voiny. [Moskva] Molodaia gvardiia, 1963. 536 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 15(371))

RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

Book about the international solidarity of foreign workers with the peoples of Soviet Russia. A. V. Karasev, A. M. Sinitsyn. Vop. ist. KPSS 8 no. 8:128-131 Ag '64.

RUSSIA—RURAL CONDITIONS

First geographical monograph on the distribution of rural population in the U.S.S.R. A. A. Mints. Izv. AN SSSR. Ser. geog. no. 4:153-155 '64.

RUSSIA—SOCIAL CONDITIONS

Letters, information, commentaries. Agitator no. 10:60-62 My '64.

RUSSIA—STATISTICS

Russia (1917- R.S.F.S.R.) TSentral'noe statisticheskoe upravlenie. [The R.S.F.S.R. in 1963; a brief statistical abstract] RSFSR v 1963 godu; kratkii statisticheskii sbornik. Moskva, Statistika, 1964. 173 p.

Seminar on the organization of statistics in the U.S.S.R. Vest stat. no 8 85 '64

Statisticians of the Cuban Republic in the Soviet Union. Vest. stat no 8 78 '64

RUSSIA, ASIATIC—SNOW

Formation, distribution, and variability of the snow cover in the Asiatic U.S.S.R. V. N. Pupkov. Meteor. i gidrol. no. 8:34-40 Ag '64.

RUSSIA, NORTHERN—ECONOMIC CONDITIONS

From the practice of the leadership of the CPSU in the noncapitalist development of the small peoples of the Soviet North. M. A. Sergeev. Vop. ist. KPSS 8 no. 8:98-105 Ag '64.

More about the question of the transition to socialism of the small peoples of the North and Far East. I. S. Gurvich. Vop. ist. KPSS 8 no. 9:100-106 S '64.

RUSSIA, NORTHERN—FOOD

Content of vitamin C in the blood plasma and in some food products consumed by the native population of the Far North. V. G. Kukes, M. N. Vlasova. Vop. pit. 22 no. 3:64-67 My-Je '63.

RUSSIA, NORTHERN—LUMBERING

In the forests of the North. I. Zykov. Nov. mir. 39 no. 12:3-40 D '63.

RUSSIA, NORTHERN—NATIONALITIES

From the practice of the leadership of the CPSU in the noncapitalist development of the small peoples of the Soviet North. M. A. Sergeev. Vop. ist. KPSS 8 no. 8:98-105 Ag '64.

More about the question of the transition to socialism of the small peoples of the North and Far East. I. S. Gurvich. Vop. ist. KPSS 8 no. 9:100-106 S '64.

RUSSIA, NORTHERN—RAILROADS—SNOW PROTECTION AND REMOVAL

Characteristics of planning roads beyond the Arctic Circle taking into account the requirements of combatting snow. V. G Al'brekht, A. A. Komarov, M. F. Kokovikhin. Transp. stroi. 13 no. 10 48-51 O '63.

RUSSIA, NORTHERN—RECLAMATION OF LAND

Problems of forest-tundra in the biogeography and the ways of the reclamation of forest-tundra areas; all-Union symposium of December 9-15, 1963 in Leningrad. E. V. Dorogostaiskaia. Bot. zhur. 49 no. 7:1080-1092 Jl '64.

RUSSIA, NORTHERN—ROADS—SNOW PROTECTION AND REMOVAL

Characteristics of planning roads beyond the Arctic Circle taking into account the requirements of combatting snow. V. G. Al'brekht, A A. Komarov, M. F. Kokovikhin. Transp. stroi. 13 no. 10:48-51 O '63.

RUSSIA, NORTHWESTERN—AGRICULTURE—PRODUCTION STANDARDS

Kal'm, P. A., comp. [Manual for agricultural norms in the northwestern zone of the R.S.F.S.R.] Spravochnik normativov dlia sel'skogo khoziaistva severo-zapadnoi zony RSFSR Leningrad, Izd-vo "Kolos," 1964. 430 p.

RUSSIA, NORTHWESTERN—PEASANTRY

The role of the crown peasants in Karelia of the European Northern Russia in the development of shipbuilding and navigation from the second half of the 18th to the first third of the 19th century. A. S. Cheravan'. Uch zap. Petrozav. gos. un. 11 no. 1,223-254 '62.

RUSSIA, NORTHWESTERN—RAILROADS—DESIGN AND CONSTRUCTION

Responsibilities of builders of the North and the West. P. P. Murachev. Transp stroi. 14 no. 1.4 Ja '64.

RUSSIA, NORTHWESTERN—SWAMPS

Comparison of the bog regions of Karelia, Kola Peninsula, and Finland. M. S. Boch, T. K. IUrkovskaia. Bot. zhur. 49 no. 7:980-986 Jl '64.

RUSSIA, SOUTHERN—RAILROADS—DESIGN AND CONSTRUCTION

In cooperation with the operators. N. V. Mukhin. Transp. stroi 14 no. 1:4-5 Ja '64.

RUSSIA IN LITERATURE

Manuscripts of Spanish dramas about Russia and humanist traditions of 17th century Spanish literature. N. I. Balashov. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1:18-35 Ja-F '64.

RUSSIAN BATHS see Baths, Russian

RUSSIAN DRAMA—HISTORY AND CRITICISM

Boguslavskii, A. O., and M. M. Kuznetsov, eds. [On contemporaries and contemporaneity; Soviet Russian dramaturgy of our times] O sovremennike i sovremennosti; russkaia sovetskaia dramaturgiia nashikh dnei. Moskva, "Iskusstvo," 1964. 269 p.

Pathos of the good. I. Vishnevskaia. Teatr 24 no. 12·19-24 D '63.

RUSSIAN DRAMA—STUDY AND TEACHING see subdivision under Moscow

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Homemade tables A.E. Dobrovol'skii. Nach shkola 32 no 7:90-91 Jl '64.

Logical lotto. V A. Kiriushkin Nach. shkola 32 no. 8 72-76 Ag '64.

Painting in the Russian language classes. M. V. Tarasova. Vech. sred. shkola 7 no. 2:84-86 Mr-Ap '64.

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISE

Kemenova, A. V., and A. A. Kuz'mina. [Teaching materials for exercises on the Russian language for grade 1] Didakticheskii material dlia zaniatii po russkomu iazyku v 1 klasse. Izd. 4. Moskva, Prosveshchenie, 1964. 110 p.

RUSSIAN LANGUAGE—CHRESTOMATHIES AND READERS

Kviatkovskii, E. V., comp. [Russian literature; a reader for grades 5 and 6 of evening (staggered) schools] Russkaia literatura, uchebnik-khrestomatiia dlia V-VI klassov vechernikh (smennykh) shkol. Izd 4. Moskva, Prosveshchenie, 1964. 398 p.

RUSSIAN LANGUAGE—DIALECTS

The project "Dictionary of Russian dialects" V. I. Maksimov, F. P. Sorokoletov. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1:59-64 Ja-F '64.

RUSSIAN LANGUAGE—DICTIONARIES

Mel'nichenko, G. G. [Concise Yaroslavl Province dictionary embracing materials of previously compiled dictionaries (1820-1956) in two volumes] Kratkii IAroslavskii oblastnoi slovar', ob"ediniaiushchii materialy ranee sostavlennykh slovarei (1820-1956 gg) v dvukh tomakh. IAroslavl', IAroslavskii gos pedagog. in-t.
Vol. 1. [Introduction and the dictionary Vvedenie i slovar'] 1961. 223 p.
[DICTIONARY]

RUSSIAN LANGUAGE—DICTIONARIES—BASHKIR

Akademiia nauk SSSR. Bashkirskii filial, Ufa. Institut istorii, iazyka i literatury. [Russian-Bashkir dictionary. 46,000 words] Russko-bashkirskii slovar', 46000 slov. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 985 p.

RUSSIAN LANGUAGE—DICTIONARIES—CZECH

[Russian-Czech dictionary on nuclear physics and engineering] Russko-cheshskii slovar' po iadernoi fizike i tekhnike. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 303 p.

RUSSIAN LANGUAGE—DICTIONARIES—ENGLISH

Moscow. Universitet druzhby narodov. Kafedra nachertatel'noi geometrii i chercheniia. [Short Russian-English dictionary of terms in descriptive geometry and drawing] Kratkii russko-angliiskii slovar' terminov po nachertatel'noi geometrii i chercheniiu. Moskva, 1963. 31 p.

Russian-English dictionary for the rubber and plastics industry Reviewed by F. I IAshunskaia Kauch. i rez 23 no. 7 62 Jl '64

RUSSIAN LANGUAGE—DICTIONARIES—SPANISH

[Short Spanish-Russian and Russian-Spanish dictionary. 14,000 words] Kratkii ispansko-russkii i russko-ispanskii slovar'. 14000 slov. Sost. O. N. Filippova, M. Sanches Pavon, L. I. Razygraeva. Izd. 3., ispr. i dop. Moskva, Sovetskaia Entsiklopediia, 1964. 471 p.

RUSSIAN LANGUAGE—GRAMMAR

Neliubova, L. F., N. G. Chilikina, and P. G. Gornaia. [Modern literary Russian] Sovremennyi russkii literaturnyi iazyk. Kiev, Radians'ka shkola, 1964. 301 p.

RUSSIAN LANGUAGE—LEXICOGRAPHY

Eighth Coordinating Conference on Lexicography. Izv. AN SSSR. Ser. lit. i iaz. 23 no. 1:76-79 Ja-F '64.

RUSSIAN LANGUAGE—OLD RUSSIAN—DICTIONARIES

Book by A. Poppe "Materials for a dictionary of early Russian construction, from the 10th to the 15th century." O. V. Tvorogov. Vop. iaz. 12 no. 4:141 Jl-Ag '63.

RUSSIAN LANGUAGE—OLD RUSSIAN—LEXICOLOGY

Akademiia nauk SSSR. Institut russkogo iazyka. [Studies on the historical lexicology of Old Russian] Issledovaniia po istoricheskoi leksikologii drevnerusskogo iazyka. Moskva, Izd-vo "Nauka," 1964. 318 p.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Pronunciation and comments; their place in the teaching of spelling L. K. Nazarova Nach. shkola 32 no. 8: 55-63 Ag '64.

RUSSIAN LANGUAGE—RHYTHM

Studying the rhythm of Maiakovskii. A. N. Kolmogorov. Vop. iaz. 12 no. 4 64-71 Jl-Ag '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

IAzovitskii, E. V. [Speak correctly; a student's text] Govorite pravil'no, posobie dlia uchashchikhsia. Moskva, Izd-vo "Prosveshchenie," 1964. 270 p.

RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under Turkmenistan)

Creative sequence to the reading material. I A. Blokhin. Nach. shkola 32 no 8:64-73 Ag '64.

First lessons in Russian, grades 2-4. M. L Zakozhurnikova, A. M. Logacheva Nach. shkola 32 no 8 43-49 Ag '64.

For the true literacy of students. S. Gromtseva Nar obr no 8 39-40 Ag '64

Let's give them a fully adequate knowledge. E. A. Arkhipova. Vech. sred. shkola 7 no. 2:79-82 Mr-Ap '64.

Reading and the development of speech. F. A. Adamovich. Nauch. shkola 32 no. 8:8-14 Ag '64.

Russian language M. L. Zakozhurnikova, V A. Kustareva, M. R. L'vov. Nach. shkola 32 no 7:53-69 Jl '64.

Syroechkovskaia, E. A., and M. S. Sheinina. [Teaching material for Russian language classes in the second grade] Didakticheskii material dlia zaniatii po russkomu iazyku vo 2-m klasse. Izd. 3. Moskva, Prosveshchenie, 1964. 261 (i. e. 130) p.

Typical mistakes in the agreement of Russian words of grade 5-8 students of Lak schools. Report No. 1. Mistakes in the agreement of subject and predicate and their causes. Report No. 2. Mistakes in the agreement of a modifier with modified word and their causes. G. G. Burzhunov. Izv. APN no. 129:102-111 '63.

RUSSIAN LANGAUGE—STYLE

Rozental', D. E. [Culture of language] Kul'tura rechi. Izd. 3. [Moskva] Izd-vo Mosk. univ., 1964. 138 p.

RUSSIAN LANGUAGE—SYNTAX

Some characteristics of correct syntactic structure L. N. Iordanskaia. Vop. iaz. 12 no. 4 102-112 Jl-Ag '63.

RUSSIAN LANGUAGE—TECHNICAL RUSSIAN

Kutina, L. L. [Formation of the language of Russian science; terminology of mathematics, astronomy, and geography in the first third of the 18th century] Formirovanie iazyka russkoi nauki; terminologiia matematiki, astronomii, geografii v pervoi treti XVIII veka. Moskva, Izd-vo "Nauka," 1964. 217 p.

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

IUdina, L. P., ed. [Practical textbook on Russian for foreigners] Prakticheskoe posobie po russkomu iazyku dlia inostrantsev. [Moskva] Izd-vo Mosk. univ., 1964. 244 p.

RUSSIAN LANGUAGE—WORDS

Work with difficult words. K. G. Rozhkova. Vech. sred. shkola 7 no. 2:82-84 Mr-Ap '64.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

After the first book. E. Poliakova. Nov. mir. 39 no. 4:221-233 Ap '63.

Aleksandr Fadeev on literary work. V. A. Dolgov. Uch. zap. CHNIIIALIE no. 22:263-272 '63.

Aleksandrova, L. P. [Soviet Russian literature] Russkaia sovetskaia literatura. [Kiev] Izd-vo Kievskogo univ., 1964. 298 p.

IUsufov, R. F. [Daghestan and Russian literature at the end of the 18th and in the first half of the 19th century] Dagestan i russkaia literatura kontsa XVIII i pervoi poloviny XIX v. Moskva, Izd-vo "Nauka," 1964. 276 p.

A long talk on criticism. Literateur. Oktiabr' 40 no. 4:188-190 Ap '64.

Personal and "public." IU Burtin. Nov. mir 40 no. 4: 249-253 Ap '64

Soviet concept of the comic. IU. A. Pis'mennyi. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52:93-106 N-D '63.

"To write the truth about life." Dem'ian Bednyi. Nov. mir 39 no. 4:216-220 Ap '63

Ways and destinies V. Portnov. Nov. mir 40 no. 4:246-249 Ap '64.

RUSSIAN LITERATURE—STUDY AND TEACHING

Extracurricular reading. M. I. Omorokova. Nach. shkola 32 no. 7:69-75 Jl '64.

"Psychology of activating the teaching in evening secondary schools." G. A. Mizikovskaia, A. I. Arbuzova, N. P. Orlova, Vech. sred. shkola 7 no. 2:89-93 Mr-Ap '64.

RUSSIAN NEWSPAPERS

Arenshtein, A. I. [Youth of the party; a narrative about the creation and distribution of Lenin's "Iskra"] IUnost' partii; rasskaz o tom, kak sozdavalas' i rasprostranialas' leninskaia "Iskra." Moskva, Politizdat, 1964. 94 p.

The newspaper "Znamia bor'by" as a militant organ of the Bolsheviks in Vyborg in 1917. M. Kh. Kiuru. Uch. zap. Petrozav. gos. un. 11 no 1:23-36 '62

Second birth by "kolokol." V. A. D'iakov. Vop. ist. 39 no. 7:138-140 Jl '64.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no. 7 '64. Vspomogatel'nye ukazateli k nos 4-6 za 1964 god.

RUSSIAN PERIODICALS

Combat weapon of atheistic propaganda. G. L. Andreev, A D Sukhov, E G Filimonov Vop filos 18 no 7:158-165 '64

The magazine "Smena" is forty years old. E. Ivanov. Mol. komm. no. 2:102-103 F '64.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let zhur. st. nos. 26-27, 30-36 '64

RUSSIAN PLATFORM—FAULTS (GEOLOGY)

Dislocation with a break in continuity in the Tatar Arch. V V Popovin Geol nefti i gaza 7 no. 12 26-29 D '63

RUSSIAN PLATFORM—PETROLEUM GEOLOGY

Oil and gas potential of the Devonian sediments of the central areas of the Russian Platform. N. S. Il'ina, D. L. Frukht. Geol. nefti i gaza 8 no. 8:44-48 Ag '64.

RUSSIAN PLATFORM—ROCKS, CRYSTALLINE AND METAMORPHIC

Metamorphism of the Upper Archean rocks in the southwestern part of the Russian Platform. A. P. Nikol'skii. Trudy Lab. geol. dokem. no. 19.91-100 '64.

RUSSIAN POETRY—HISTORY AND CRITICISM

Dolgopolov, L. K. [Blok's poems and the Russian poem at the end of the 19th and beginning of the 20th century] Poemy Bloka i russkaia poema kontsa XIX - nachala XX vekov. Moskva, Izd-vo "Nauka," 1964. 187 p.

Men'shutin, A. N., and A. D. Siniavskii. [Poetry of the initial years of the Revolution, 1917-1920] Poeziia pervykh let revoliutsii, 1917-1920. Moskva, Izd-vo "Nauka," 1964. 440 p.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

(see also subdivision under Baku; Kuybyshev; Vyborg)

From the revolutionary past. K. M. Kochiashvili. Vop. ist. KPSS 8 no. 8.92-97 Ag '64.

V. I Lenin's exposure of "left" sectarianism during the First World War. IA. G. Temkin. Vop. ist. KPSS 8 no. 8:3-16 Ag '64.

RUSSIAN STUDIES—BIBLIOGRAPHY see Bibliography—Russian studies

RUSSIANS

Lesnoi, Sergei. [Russia, what is your origin? Basic problems of the history of ancient Russia] Rus', otkuda ty? Osnovnye problemy istorii drevnei Rusi. Winnipeg, 1964. 336 p. [English title. The origins of the ancient "Russians"]

RUSSKIY KHUTOR GAS FIELD—CONDENSATE OIL WELLS

Russkiy Khutor gas condensate field V. V. IUshkin. Gaz. prom. 8 no. 7:6-8 '63.

RUSSO-SWEDISH WAR, 1808-1809

From the history of the relations between Russia, Sweden and Finland from the second half of the 18th to the early 19th century I. Kiaiviariainen. Uch zap. Petrozav. gos un. 11 no 1 122-141 '62.

RUSTS (FUNGI)

Rust fungi of the tribe Tranzschelieae in the U. S. S. R. E. IA. Zenkova, V. F. Kuprevych. Vestsi AN BSSR. Ser. biial. nav. no. 4:15-25 '62.

RUTHENIA see Transcarpathia

RUTHENIUM-CHROMIUM ALLOYS see Chromium-ruthenium alloys

RUTHENIUM ELECTRODES see Electrodes, Ruthenium

RUTIN

Effect of vitamin P (rutin) on the cholesterol content in the blood serum and the level of ascorbic acid in the organs of experimental animals. A. I. TSeitina, S. A. Lapina. Vop. pit. 23 no. 1:67-69 Ja-F '64.

RYAZAN—MACHINE-TOOL INDUSTRY

Public inspection at the Ryazan Machine-Tool Plant. R. M. Davydova. Mashinostroitel' no. 7:45 Jl '64.

RYAZAN PROVINCE—ARCHIVES

Problems in bringing to light and selecting documents of collectives and shock workers of communist labor; based on materials from the State Archive of Ryazan Province. L. G. Khromchenko. Vop arkh. 8 no. 3:81-86 Jl-S '63.

RYAZAN PROVINCE—RURAL CONDITIONS

Rural physician speaks. M. Gorokhova. Sov. profsoiuzy 20 no. 16:4-5 Ag '64.

RYAZAN PROVINCE—STATISTICS—CONGRESSES

Conference of the workers of the statistical organs of Ryazan Province. A. K. Vest. stat. no. 8:81-83 '64.

RYBINSK—BRIDGES

Bridge across the Volga at Rybinsk E S. Ulanov, S. A Skriabin, N V Bykov Transp stroi 14 no 1:17-21 Ja '64

RYBINSK RESERVOIR REGION—CLIMATE

Local climate of the Rybinsk Reservoir K N D'iakonov, A. IU. Retelum Izv AN SSSR Ser. geog no 4 47-54 '64.

RYE

Fertility of winter rye in intraclonal pollination. K P. Veselova. Agrobiologiia no 1:151-153 Ja-F '64.

RZHEV (KALININ PROVINCE)—CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

Organization of the machine unit method of repair at the Rzhev Repair Machine Plant N. S. Mitroshin. Transp. stroi. 13 no 10.37-39 O '63

RZHEV (KALININ PROVINCE)—CONSTRUCTION INDUSTRY

The brigade is our dear home A. A Lisenkov. Transp stroi. 13 no. 10 42-43 O '63

SABLES see subdivision under Siberia

SAIGA—DISEASES AND PESTS

Listeriosis in saigas V V Tilga Veterinariia 41 no 4 50 Ap '64.

SAIGA, FOSSIL see subdivision under Crimea

SAKHALIN—CONIFERAE, FOSSIL

Pollen of ancient Neogene Coniferae in the northwestern Sakhalin. V. N. Barbashinova. Dokl. AN SSSR 158 no.1.92-93 S-O '64.

SAKHALIN—PALEOBOTANY, STRATIGRAPHIC

Upper Miocene flora of the western coast of Sakhalin L. I. Fot'ianova Bot zhur. 49 no 5 649-660 My '64

SAKHALIN—PALYNOLOGY

Pollen of ancient Neogene Coniferae in the northwestern Sakhalin. V. N. Barbashinova. Dokl. AN SSSR 158 no. 1:92-93 S-O '64.

SAKHALIN—RESEARCH

Work of the Sakhalin Joint Scientific Research Institute of the Siberian Department Vest AN SSSR 34 no 6. 106 Je '64.

SAKHALIN—WATER, UNDERGROUND

Underground waters of Sakhalin. I. B. Raikhlin. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:224-228 '62.

SAKHALIN PROVINCE see Sakhalin

SALAIR RIDGE—SOIL FAUNA

Effect of spraying chemicals from an airplane on the fauna of soil invertebrates in coniferous forests IU. B. Byzova. Zool. zhur. 43 no. 4.488-502 '64

SALESMEN AND SALESMANSHIP

Romanin, V. A. [Photographic and cinematographic merchandise] Fotokinotovary. Moskva, Ekonomika, 1964. 200 p.

SALICYLATES

Determination of the specific surface energy at the crystal - melt interface for salol and betol. L. I. Chesnokov. Zhur. fiz. khim. 36 no. 3:599-601 Mr '62.

SALICYLIC ACID

Composition of hafnium salicylates. P. I. Artiukhin. Zhur. neorg. khim. 9 no. 6:1485-1486 Je '64.

Use of salicylic acid in the purification and separation of thorium. A. N Nikolaev, Z. G. Rumiantseva, B. V. Levin Izv. Sib. otd AN SSSR no. 9 39-45 '62.

SALICYLIC ACID—SPECTRA

Spectroscopic manifestations and energy of the intramolecular hydrogen bonding in thiosalicylic acid. I. M. Ginzburg, L. A. Loginova. Dokl. AN SSSR 156 no. 6:1382-1385 Je '64.

SALINE WATERS see subdivision under Azhbulat, Lake

SALINITY see subdivision under Azov, Sea of

SALIVA

Effect of cobalt and magnesium salts on the secretory function and chemical composition of saliva in sheep M. S. El'tsau. Vestsi AN BSSR. Ser. biial. nav. no. 4: 67-73 '63.

SALIVARY GLANDS

Method of simultaneous recording of several indicators of salivary gland activity. N. I. Vakoliuk. Fiziol. zhur. [Ukr.] 9 no. 6:829-830 N-D '63.

SALMON see subdivision under Kola Peninsula

SALMONELLA

Sources of Salmonella contamination of beef. I. S. Zagaevskii. Vop. pit. 23 no. 1:77-80 Ja-F '64.

Use of the reaction of complement fixation for studying the antigenic structure of the principal representatives of microbes of the group Salmonella. D. L Trapaidze. Soob AN Gruz. SSR 33 no. 3:651-654 Mr '64

SALMONELLA INFECTIONS

Toxic infections caused by Salmonella brandenburg. A. O. Mirzabekian and others Vop. pit. 23 no. 1:85-86 Ja-F '64.

SALT DEPOSITS

(see also subdivision under Araks Valley; Erivan region)

Salt regime of a basin in a producing layer of the Apsheron type T S. Shakhsuvarov. Dokl AN Azerb SSR 19 no 9 55-57 '63

SALT FISH see Fish, Salt

SALTING-OUT

Study of distribution in systems consisting of nitric acid - water - tributylophosphate - salting-out agents I I IAkovlev, R. I. Opalovskaia Izv Sib otd AN SSSR no. 12:62-68 '62.

SALTPETER

Flow stress and dilatometry of potassium nitrate. I. A. Leskovich, B. N. Egorov, V. P. Salatin. Zhur. fiz. khim. 36 no. 3:521-525 Mr '62.

SALTS

Determination of the hardness of table salt, used salt and brine A. S Aleksandrovich-Mel'nikova, M I. Sorokina Trudy Astr tekh. inst. ryb prom i khoz no 8:104-112 '62

SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889

Turkov, A. M. Saltykov-Shchedrin. Moskva, Molodaia gvardiia, 1964. 366 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 8(383))

SAMARIUM CHLORIDE

Interaction of samarium (III) chloride with the chlorides of sodium, potassium, rubidium, and cesium. B. G. Korshunov and others. Zhur. neorg. khim. 9 no. 6: 1427-1430 Je '64.

SAMOYEDIC LANGUAGE—BIBLIOGRAPHY see Bibliography—Samoyedic language

SAMPLING

Vibration-free sampler. V. S Baskov, M. N. Palladin. Zav. lab 30 no. 6:761-762 '64

SAN FRANCISCO—RADIOBIOLOGY—CONGRESSES

Annual Congress of the Society of Radiologists of North America. S. B. Balmukhanov. Med. rad. 8 no. 12: 84-86 D '63.

SAN FRANCISCO—RADIOTHERAPY—CONGRESSES

Annual Congress of the Society of Radiologists of North America. S. B. Balmukhanov. Med. rad. 8 no. 12: 84-86 D '63.

SAN FRANCISCO—REPUBLICAN PARTY

The elephant goes wild; correspondence from San Francisco Harry Freeman Nov. vrem 21 no 30 11-15 Jl '64.

SANATORIUMS see subdivision under Shchuchinsk (Kokchetav Province); Uzbekistan

SANCTIONS (INTERNATIONAL LAW)

"Race war" in the Republic of South Africa. N. Liubimov, V. Shemiatenkov. Mezhdunar. zhizn' 11 no. 9:59-63 S '64.

SAND

Unit for automatic switch-over of well feeding to self-feeding. V. G. Vartanov. Mash. i neft. obor. no. 5: 17-18 '63.

SAND, FOUNDRY

Studying Odessa green clays as a basic component of foundry clay O. K. Davtian, S. I. Burshtein. T. I. Ponomarenko. Nauch. ezhegod. Khim. fak. Od. un. no. 2:125-128 '61.

SAND, FOUNDRY—TESTING

Vasin, IU. P., A. P. Nikiforov, and P. V. Chernogorov. [New method of testing molding materials] Novyi metod kontrolia formovochnykh materialov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 65 p.

SANDBARS

Hypothesis of the formation of sand bars and their stability. N. S. Znamenskaia. Meteor. i gidrol. no. 7:11-15 Jl '64.

SANDBLAST—EQUIPMENT AND SUPPLIES

Russia (1923- U. S. S. R.) Komitet standartov, mer i [illegible]

SANDSTONE

(see also subdivision under Shebelinka Gas Field)

Certain data on the effect of late catagenesis on the structure of pore space. O V. Beskrovnaia, S. S Savkevich Trudy VNIGRI no 228 132-137 '64

SANDWICH CONSTRUCTION

Stability of a circular cylindrical sandwich shell under a nonuniform compression V. V. Kabanov. Izv. AN SSSR. Mekh. i mashinostr. no. 4 116-119 Jl-Ag '64.

SANDY SOILS see subdivision under Lithuania

SANITARY ENGINEERING

Brief news Transp strol. 13 no 10.78-79 O '63.

Kokhanenko, N. A., ed. [Assembling interior sanitary equipment] Montazh vnutrennikh sanitarno-tekhnicheskikh ustroistv. Moskva, Stroiizdat, 1964. 725 p. (Spravochnik po spetsial'nym rabotam)

"Sanitary-engineering equipment of buildings and structures. Regulations on the carrying out and acceptance of completed work." Biul. stroi. tekh. 20 no. 7:30-31 Jl '63

SANITARY ENGINEERING—BIBLIOGRAPHY see Bibliography—Sanitary engineering

SANITARY ENGINEERING—DETAILS

"Water supply and sewerage. Exterior networks and installations. Materials, wares and equipment of networks." Biul. stroi tekh. 20 no 7:10-11 Jl '63.

SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

Kazanskii, N. V. [Sanitary engineering and electrical engineering operations, repair and maintenance of sanitary engineering equipment of dwellings] Sanitarno-tekhnicheskie i elektrotekhnicheskie raboty, remont i soderzhanie sanitarno-tekhnicheskogo oborudovaniia zhilogo doma. Moskva, Stroiizdat, 1964. 33 p. (Svoimi rukami)

Repin, N. N. [Sanitary equipment and gas distribution to buildings] Sanitarno-tekhnicheskie ustroistva i gazosnabzhenie zdanii. 3. izd., perer. i dop. Moskva, Stroiizdat, 1964. 324 p. diagrs. (insert)

SANITATION see subdivision under Moscow

SANTALS see subdivision under Nepal

SAP

Concentration of cell sap and drought resistance of plants B. I. Shcherbakov, N P. Usova. Trudy Inst bot. AN Kazakh. SSR 16:97-117 '63.

SAPOZHNIKOV, VASILII VASIL'EVICH, 1861-1924

Bordyshev, G. D., and V. N. Sipliviuskii. [V. V. Sapozhnikov, prominent Siberian scholar and traveler] Vydaiushchiisia Sibirskii uchenyi i puteshestvennik V. V. Sapozhnikov. Novosibirsk, Red.-izdatel'skii otdel Sibirskogo otd-niia AN SSSR, 1964. 133 p. (Zamechatel'nye uchenye-sibiriaki)

SAPROPEL—MICROBIOLOGY

Morphology and evolution of Ciliophora. Report No. 1: New system of Heterotrichida occurring in sapropel A. V. IAnkovskii. Zool. zhur 43 no 4:503-517 '64.

SAPUNOV, NIKOLAI

Nikolai Sapunov. Teatr 24 no. 12:104-106 D '63.

SARANSK—HISTORY

Voronin, I. D. [Saransk; historical documentary essays] Saransk; istoriko-dokumental'nye ocherki. Saransk, Mordovskoe knizhnoe izd-vo, 1961. 266 p.
(NNC)

SARANSK—MANUFACTURES

Factory, store, and customer. V. Nikanorov. Sov. profsoiuzy 20 no. 16:22 Ag '64.

SARATOV—AGRICULTURAL LAWS AND LEGISLATION

Collective and state farms should receive day-by-day legal assistance V. Denisov. Sov. iust. 28 no 7:21 Ap '64.

SARATOV PROVINCE—AUTHORS

[Russian writers in the Saratov region of the Volga Valley] Russkie pisateli v Saratovskom Povolzh'e. Saratov, Privolzhskoe knizhnoe izd-vo, 1964. 313 p.

SARATOV PROVINCE—EURYGASTERS

Effect of the damage caused the shield bug Eurygaster intergriceps on the quality of the wheat grain in the following crop. A. I. Marushev, V A. Kumakov, N. K. Astakhova. Agrobiologiia no. 1:110-114 Ja-F '64.

SARATOV PROVINCE—RURAL LIBRARIES

Aid to the village from a patron. N. Nikiforova. Bibliotekar' no 7.17 Jl '64.

SARATOV PROVINCE—STATE FARMS—LABOR PRODUCTIVITY

Men make the earth generous. N. Cheusov. Agitator no. 10:39-42 My '64.

SARATOV PROVINCE—WHEAT—DISEASES AND PESTS

Effect of the damage caused the shield bug Eurygaster integriceps on the quality of the wheat grain in the following crop A I Marushev, V.A Kumakov, N K Astakhova Agrobiologiia no.1:110-114 Ja-F '64

SARCOLYSINE

Tentative sarcolysin therapy of pulmonary metastases of Walker's carcinosarcome N.S.Kiseleva. Pat. fiziol. i eksp. terap. 6 no.4 50-53 Jl-Ag '62.

Treatment of multiple myeloma with sarkolysine. N.B. Merkulova Vop.onk. 10 no.3:51-57 '64.

SARDINES see subdivision under Atlantic Ocean

SATELLITES, ARTIFICIAL see Artificial satellites

SATYLGANOV, TOKTOGUL, 1864-1933

Toktogul. L.Klimovich. Oktiabr' 40 no.4:192-193 Ap '64.

SAUDI ARABIA—ECONOMIC CONDITIONS

Proshin, N.I. [Saudi Arabia, an historical and economic study] Saudovskaia Araviia; istoriko-ekonomicheskii ocherk. Moskva, Nauka, 1964. 300 p.

SAUDI ARABIA—HISTORY

Proshin, N.I. [Saudi Arabia; an historical and economic study] Saudovskaia Araviia, istoriko-ekonomicheskii ocherk. Moskva, Nauka, 1964. 300 p.

SAUSAGES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Mechanized continuous lines for the production of sausages] Potochno-mekhanizirovannye linii proizvodstva kolbas. Moskva, 1962. 18 p (Tekhnicheskaia informatsiia)

SAVALA REGION (VORONEZH PROVINCE)—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Biological evaluation of the chemical pine looper moth Bupalus piniarius L. (Lepidoptera, Geometridae) control in the Savala Forestry, Voronezh Province M.S. Malysheva. Ent.oboz 42 no 4 709-719 '63.

SAVALA REGION (VORONEZH PROVINCE)—PINE LOOPER

Biological evaluation of the chemical pine looper moth Bupalus piniarius L. (Lepidoptera, Geometridae) control in the Savala Forestry, Voronezh Province M.S. Malysheva Ent.oboz 42 no.4 709-719 '63

SAWING

Analytical method of calculating the maximal resistance to sawing in the power method of limbing. F.E.Zakharenkov Izv.vys.ucheb.zav.; les zhur. 6 no.3:68-76 '63.

Direction of the stress in wood during the introduction of a cutter into it. E.A.Itskovich. Izv.vys.ucheb. zav.; les.zhur. 6 no.3 114-118 '63.

Studying the process of sawing lumber into coarse chips by an elementary cutter. E.P.Liteman. Izv.vys.ucheb. zav.; les.zhur. 6 no.3:122-133 '63.

SAWS

Experimental unit for studying the process of frame sawing. E.M.Borovikov. Izv.vys.ucheb.zav.; les. zhur. 6 no 3:107-113 '63.

SAYAN MOUNTAINS—GEOLOGICAL TIME

Rejuvenation processes in the different ages of the Pre-Cambrian rocks in the Eastern Sayan Mountains. L.P. Nikitina and others. Trudy Lab.geol.dokem. no.19: 219-228 '64.

SAYAN MOUNTAINS—GEOLOGY

Anatol'eva, A.I. [Comparative characteristics of Devonian sediments in the Sayan-Altai fold area] Sravnitel'naia kharakteristika devonskikh otlozhenii Saiano-Altaiskoi skladchatoi oblasti. Moskva, Izd.-vo "Nauka," 1964. 122 p.

Geological formations in the central part of the Altai-Sayan fold area and their ore potentials. A.N.Ken. Trudy VSEGEI 103:25-57 '64.

SAYAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the ancient sediments of the Eastern Sayan Mountains in connection with the problem of separation and division of the late Pre-Cambrian. A.Z.Konikov, V.K.Man'kovskii. Trudy VSEGEI 97:73-89 '64.

SAYAN MOUNTAINS—GEOLOGY, STRUCTURAL

Basic characteristics of the development of the Eastern Sayan Mountain mobile area. I.P.Buzikov and others. Trudy Lab.geol.dokem. no.19:117-125 '64.

Tectonic characteristics of the ancient structures of the Eastern Sayan Mountains. V.B.Liatskii. Trudy VSEGEI 97.59-72 '64.

SAYAN MOUNTAINS—IBEX

Population of the Asiatic ibex in Tofalaria (Eastern Sayan Mountains). V.I Fil' Zool zhur. 43 no.4:621-622 '64.

SAYAN MOUNTAINS—ORE DEPOSITS

Some characteristics of the formation of the Lysansk titanium-bearing gabbro-pyroxenite complex (western part of the Eastern Sayan Mountains). R I.Shurupova Trudy VSEGEI 103 155-169 '64.

SAYAN MOUNTAINS—WATER, UNDERGROUND

Hydrogeology of the foothill part of the Eastern Sayan Mountains. R.F.Ivanilova. Mat Kom po izuch.podzem vod Sib i Dal'. Vost no 2:125-129 '62

SCALP—DISEASES

Current state of using roentgenological epilation in the treatment of patients with mycoses of the scalp. A.M. Arievich, A.S.Bezzabotnov. Med.rad. 7 no.9:42-48 S '62.

Experience in the use of ammifurin and boroxan in the treatment of alopecia areata. A.V.Iniakhina. Vest. derm.i ven. 38 no.1:59-61 Ja '64.

SCANDINAVIA—FOREIGN RELATIONS—RUSSIA

Peaceful coexistence in practice. Kommunist 41 no.10 3-8 Jl '64.

[The route of peace, the visit of N.S. Khrushchev, Chairman of the Council of Ministers of the U.S.S.R. to Denmark, Sweden and Norway from June 16 to July 4, 1964] Marshrut mira, vizit Predsedatelia Soveta Ministrov SSSR N.S.Khrushcheva v Daniiu, Shvetsiiu i Norvegiiu, 16 iiunia-4 iiulia 1964 goda. Moskva, Politizdat, 1964. 294 p.

SCANDINAVIA—GLACIAL EPOCH

Continental glaciation of Finland and Scandinavia. V.G Chuvardinskii. Prirod.obst.i fauny prosh no.1,68-96 '63.

SCAPULA

Functional-morphological characteristics of muscles of the humerus and scapula in animals with different types of locomotion. N.A.Bodrova Arkh.anat., gist.i embr. 45 no.12:51-56 D '63.

SCARABAEIDAE see subdivision under Armenia

SCATTERING (PHYSICS)

Stability of dissipative systems. S.IA.Stepanov. Vest. Mosk.un.Ser.1: Mat.,mekh. 19 no.4:59-66 Jl-Ag '64.

Use of the phase shift method in the inverse scattering problem A.A.Kostarev. Izv.vys.ucheb.zav., fiz no.4:109-112 '64.

SCHEDULES, SCHOOL

Editor's mail M.I.Nikulina. Nach.shkola 32 no.7:52 Jl '64

SCHISANDRA

Clinical observations of the effect of electrophoretic administration of Schisandra preparations on the improvement of the visual function of the eye. A.N. Golovin, L.A.Golovina. Mat.k izuch.zhen'.i drug.lek. rast.Dal'.Vost. no.5-281-285 '63

Germination of the seeds of Schisandra chinensis. A.A. Titlianov, N.V.Konechnaia. Mat.k izuch.zhen'.i drug. lek.rast.Dal'.Vost. no.5:271-279 '63.

Sexual dimorphism and pollination in Schisandra chinensis. L.M.Shilova. Mat.k izuch.zhen'.i drug.lek.rast. Dal'.Vost. no.5:267-270 '63.

SCHIZOPHRENIA

Adrenocorticotropic and insulotropic effects in the regulation of the blood sugar level in schizophrenia. A.L.Gamburg. Zhur.nevr.i psikh. 63 no.9:1398-1405 '63.

Characteristics of striction and surface tension of the blood plasma in schizophrenia. Z.A Zurabashvili. Soob.AN Gruz.SSR 33 no 3:723-727 Mr '64.

Characteristics of the clinical aspects and course of schizophrenia following a subtotal resection of the thyroid gland. A.I.Belkin. Trudy Gos nauch.-issl. inst.psikh. 40:167-181 '63.

Characteristics of the psychopathological picture of schizophrenia developed in connection with influenzal infection. E.L.Maksutova. Trudy Gos.nauch.-issl. inst.psikh. 40:182-190 '63

Dynamics of subordination and adaptation in the catatonic form of schizophrenia with a chronic unfavorable development. E.L.Gushanskii. Zhur.nevr. i psikh. 63 no.9:1376-1380 '63.

Effect of aminazine and reserpine treatment on enzyme activity (catalase, transaminase and aldolase) in the blood of schizophrenia patients. V.M.Vashetko. Fiziol.zhur. 10 no.1:82-88 '64.

Experience with industrial employment of schizophrenic patients in the state of remission or intermission. Report No.1. S.Z.Pashchenkov. Zhur.nevr.i psikh. 63 no.9:1406-1410 '63.

Factors promoting the genesis of schizophrenia in connection with psychogenia. N.F.Dement'eva. Trudy Gos.nauch.-issl.inst.psikh. 40:191-201 '63.

"Family schizophrenia" in its circular form. M.S. Zeleva. Trudy Gos.nauch.-issl.inst.psikh. 40:227-236 '63.

Problem of unrecognized schizophrenia. V.I.Akerman. Trudy Gos.nauch.-issl.inst.psikh. 40:162-166 '63.

Problems of the etiology and pathogenesis of schizophrenia in contemporary foreign literature. R.M. Segal, D.D.Fedotov. Trudy Gos.nauch -issl.inst. psikh. 40:141-161 '63.

Reactivity of some links of the endocrine system in various forms of the course of schizophrenia. Report No.1 Condition of the reactivity of the endocrine system in paranoid and nuclear forms of schizophrenia. E.I.Minsker. Zhur.nevr i psikh. 63 no 9 1388-1397 '63.

Review of S.F.Semenov's book "Schizophrenia". I.V Maslov. Zhur.nevr.i psikh. 63 no.9:1432-1433 '63

Some characteristics of the dynamics of the Kandinskii-Clerambault syndrome in patients with the paranoid form of schizophrenia. T.A Klimusheva. Trudy Gos. nauch.-issl.inst.psikh. 40:207-217 '63.

Speech incoherence in schizophrenia. M.A.Rybnikov. Trudy Gos.nauch -issl.inst psikh 40:218-226 '63.

Study of the hydrophilia skin test in schizophrenia in connection with insulin treatment N A IAkovleva Sbor nauch rab stud Volg gos med inst. no 1:97-101 '60

Unity of somatocerebral disorders in schizophrenia and other neuropsychic diseases based on data of clinical and immunological studies. S.F.Semenov. Trudy Gos. nauch.-issl psikhonevr.inst. 29:129-144 '63.

SCHIZOPHRENICS

Comparative characteristics of the disorders of higher nervous activity in schizophrenics in the state of psychosis and in the state of remission. B O.Zapototchnyi Fiziol zhur.(Ukr) 9 no 6:787-793 N-D '63

SCHNABEL, ARTUR, 1882-1951

Artur Schnabel plays. K.Kerzon. Sov.muz. 28 no 2 92-96 F '64

SCHOOL HYGIENE

Nauchnaia konferentsiia, posviashchennaia problemam "Klimat, Uchenie Sport," 2d, 1963. [Reports of the Second Scientific Conference Dedicated to the Problems "Climate, Training, Sports"] Doklady. Pod red D I Bal'ko. Tashkent, Nauchno-issl in-t pedagog.nauk, 1963. 237 p. (Seriia: Uchenie)

[DNLM MICROFILM]

SCHOOL SCHEDULES see Schedules, School

SCHOOL SUPERINTENDENTS AND PRINCIPALS

Collective that trains innovators. L.M.Rudnev. Vech. sred.shkola 7 no.2:52-54 Mr-Ap '64.

SCHOOL SUPERVISION

For the notebook of a principal and the head of the teaching department. Nar obr no 8 81-85 Ag '64

SCHOOLCHILDREN see subdivision under Kuybyshev

SCHOOLS—FURNITURE, EQUIPMENT, ETC. (see also subdivision under Moldavia)

Automatic switch. V.P.Kraev. Sred.spets.obr. 11 no.6:24-26 Je '64.

SCIATIC NERVE

Afferent impulsation in the sciatic nerve of rabbits in experimental inflammation in the gastrocnemius muscle. O.S.Sherstn'ova. Fiziol.zhur. 10 no.1:109-114 '64.

SCIENCE

Dobrov, G.M., and A.IU.Golian-Nikol'skii. [Century of great hopes; the fortunes of scientific and technological progress in the 20th century] Vek velikikh nadezhd, sud'by nauchno-tekhnicheskogo progressa XX stoletiia. Kiev, Naukova, dumka, 1964. 176 p.

Eliseeva, V.S. [Work, art, science] Trud, iskusstvo, nauka. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no.15)

Good beginning. M.Vasil'ev. Nov.mir. 39 no 4:271-274 Ap '63.

Ways to develop science A.Kitaigorodskii Nov.mir 40 no.1:267-270 Ja '64.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—INTERNATIONAL COOPERATION see subdivision under Communist Countries

SCIENCE—METHODOLOGY

A book which compels one to think. I.L.Knuniants. Vop filos 18 no.7:169-170 '64.

Converting science into a directly productive force. I A Maizel', IU S.Meleshchenko. Vop filos. 18 no 6:157-166 '64

Problems which demand further study. B.F.Semkov. Vop.filos. 18 no 7 154-157 '64.

SCIENCE—PHILOSOPHY

Akademiia nauk SSSR. Institut filosofii. Sektor filosofskikh voprosov estestvoznaniia. [Program on the philosophical aspects of present-day natural science (physicomathematical sciences); for students working independently and those attending the system of political education seminars] Programma po filosofskim voprosam sovremennogo estestvoznaniia (fiziko-matematicheskie nauki); dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Mysl', 1964. 36 p.

SCIENCE—PHILOSOPHY (Continued)

The course of the party in the chemicalization of the economy and certain philosophical problems facing science. M.I.Shakparonov. Nauch.dokl.vys.shkoly, filos.nauki 7 no.1:12-19 '64.

[Program on philosophical problems in biological, medical and agricultural sciences; for students working according to individual programs and students of seminars of the system of political education] Programma po filosofskim problemam biologicheskikh, meditsinskikh i sel'skokhoziaistvennykh nauk; dlia samostoiatel'no izuchaiushchikh i slushatelei seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo "Mysl'," 1964. 59 p.

Readers' conference in Dubna. I.I Loganov. Vop.filos. 18 no 7:153-154 '64

Timiriazev and science D.N.Prianishnikov Izv TSKHA no.6 3-11 '63.

SCIENCE—SOCIAL ASPECTS

Development of science into a direct production force is the basic feature of the building of communism. I.A.Maizel'. Uch.zap.Kaf.obshchestv nauk vuz g Len ; Filos. no 4:52-73 '63

SCIENCE—STUDY AND TEACHING

Observations during a discussion. E.K.Fedorov. Vop filos 16 no.6 127-129 '64

SCIENTIFIC EXCHANGES see Exchanges, Literary and scientific

SCINTILLATION COUNTERS

Liquid scintillation counter for studying biological preparations. V.N Podymakhin, E.G Toropygina Atom energ. 17 no.2 149-151 Ag '64

Spectrometric resolution of a scintillation counter in the recording of soft X rays. V.N.Minakov, V.I.Trefilov. Sbor.nauch rab Inst.metallofiz.AN URSR no.18: 220-221 '64

SCINTILLATION SPECTROMETRY

Study of the bremsstrahlung of P32 with the aid of a scintillation γ-spectrometer. V.I.Lapchenkov. Biofizika 8 no.1:117-122 '63

SCIOMYZIDAE

Diptera of the genus Tetanocera Dum (Diptera, Sciomyzidae) of the European part of the U.S.S.R. A.A.Shtakel'berg. Ent.oboz. 42 no 4 912-923 '63

SCLEROMA see Rhinoscleroma

SCLEROSIS

Histogenesis and organospecific characteristics of interstitial pneumosclerosis. E.N.Nesterov. Arkh.pat. 26 no.2:22-30 '64.

SCORPION FISHES see subdivision under Atlantic Ocean

SCRAP METALS

Briquetting of chip-curls. V.N.Shchepanskii. Met.i gornorud.prom. no.6:71-72 N-D '62.

SCREENS (MINING)

Calculating technological indices of the operation of resonance screens. I.V.Ponomarev. Obog.i brik. ugl. no.26:19-24 '62.

Spivakovskii, A.O., and others, comps. [Method of calculating resonance, vibration conveyers and vibration grizzlies with buffers taking into account acting resistances; short scientific report] Metod rascheta rezonansnykh vibrokonveierov i vibrogrokhotov s buferami s uchetom deistvuiushchikh soprotivlenii; kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 38 p.
[MICROFILM]

SCREW-CUTTING MACHINES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Chasers, cams, sprockets and screws for screw-cutting heads according to State Standard 3307-61] Grebenki, kulachki, zvezdochki i vinty k vintoreznym golovkam po GOST 3307-61 (MN 4266-63—MN 4299-63). Moskva, Izd-vo standartov, 1964. 123 p. (SSSR. Normali mashinostroeniia)

SCREW-THREAD ROLLING—EQUIPMENT AND SUPPLIES

A.D.Geraskin's thread-rolling head. I V Savin. Mashinostroitel' no.6:24 Je '64.

SCREW THREADS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Thread gauges for metric thread having gaps with a diameter from 1 to 68 mm.; specifications] Kalibry rez'bovye dlia metricheskoi rez'by s zazorami diametrom ot 1 do 68 mm, ispolnitel'nye razmery (MN 5356-64). Moskva, Izd-vo standartov, 1964. 213 p. (SSSR. Normal' mashinostroeniia)

SCRUBBER (CHEMICAL TECHNOLOGY)

Absorption of hydrogen sulfide by potassium carbonate solution in scrubbers with a porous packing. S.G.Nilus, I.G.Pilt. Trudy DKBTI no.16:209-210 '62.

Monitoring and indicating of the passage of scrubbers and separators along pipelines. V.B.Pevzner, N.A. Bnatov, L.O.Palik. Transp.i khran.nefti i nefteprod. no.5:12-14 '64.

Problems arising in the theory of water heating on direct contact with the high-temperature products of gas combustion, a topic for discussion. IU.P.Sosnin Gaz.prom 7 no.3:17-25 '62

SCRUBBER (CHEMICAL TECHNOLOGY)—MAINTENANCE AND REPAIR

Eccentric key. Z.Sh.Shirgaleev. Mash.i neft.obor. no.4:34 '63.

SCURVY

Changes in the blood coagulation system and their significance in the development of a hemorrhagic syndrome in the deficiency of ascorbic acid and capillary-strengthening bioflavonoids in the body. I.I.Matusis, I.I.Ulasevich. Vop pit. 23 no.1:22-25 Ja-F '64.

Disorders of glutamine synthesis and amidation of brain proteins in vitamin C deficiency. I.M.Zalesskaia, E.E.Martinson, L.I.Tiakhepyl'd. Vop.pit. 23 no 1: 17-21 Ja-F '64.

SEALING (TECHNOLOGY)

Air leakage through ventilation doors, air locks, and crossings A.F.Miletich. Ugol' Ukr 7 no.9:24-25 S '63

Mechanization of the sealing of tight barrels Kh G Khristoforidi, V G Gerasimov Trudy Azcherniro no 21:60-63 '63

Reduce leakage of compressed air V.A.Murzin, IU.A. TSeitlin, V.V.IUshin. Ugol' Ukr. 7 no.9:25-26 S '63

Russia (1923- U.S.S.R.) Komitet standartvo, mer i izmeritel'nykh priborov. [Sealing rubber sleeves with reduced cross sections for hydraulic devices] Manzhety rezinovye uplotnitel'nye umen'shennogo secheniia dlia gidravlicheskikh ustroistv (MN 5334-64). [Moskva] Izd-vo standartov, 1964. 11 p. (SSSR. Normal' mashinostroeniia)

SEALS (ANIMALS) see subdivision under Jan Mayen region

SEASHORE

Studying of seashores of the U.S.S.R ; conference at the Institute of Oceanography G A Orlova Vest AN SSSR 34 no 7.106-107 Jl '64

SEAWATER—MICROBIOLOGY

Equipment for the disinfection of sea water. M.P.Sokolov. Voen.-med.zhur. no.1:91-92 '63.

SECESSION

Sovereignty and the Soviet federal state. G.B Agabekov Uch.zap.IMO no.16:3-39 '63

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

I.M.Sechenov's "Brain reflexes" and Russian physiological science in the 18th century and the first half of the 19th century. D.G.Kvasov. Fiziol.zhur. 49 no.11: 1277-1285 N '63.

I.M.Sechenov's evolutionary ideas and some problems in the physiology of nervous activity. D.A.Biriukov. Fiziol.zhur. 49 no.11:1286-1293 N '63.

I.M.Sechenov's first period of activities at the Medico-Surgical Academy in Petersburg (March 1860-April 1862). E.M.Baturina. Fiziol.zhur. 49 no.11:1385-1387 N '63.

Sechenov's predictions on internal analysers and the present state of knowledge pertaining to them. E.Sh. Airapet'iants. Fiziol.zhur. 49 no.11:1294-1302 N '63.

SECONDARY ELECTRON EMISSION

Complete energy spectrum of secondary electrons from Sn and In in the solid and liquid states. U.A.Arifov, A.Kh.Kasymov. Dokl.AN SSSR 158 no.1.82-85 S-O '64.

Efficiency of a secondary emission monitor in the 15-70 Mev electron energy range. I.O.Il'yshaiev and others. Ukr.fiz.zhur. 8 no.9:1029-1030 S '63.

Special features of the secondary electron emission of thin films and the Malter effect. N.L.IAsnopol'skii, V.S.Malysheva. Radiotekh.i elektron. 9 no.7:1293-1297 Jl '64.

Use of the secondary ion-electron emission method in the comparative study of the depth of penetration of various ions into dielectric films. L.P.Moroz, A.Kh. Alukhanov. Izv.AN SSSR.Ser.fiz. 28 no.8:1395-1400 Ag '64.

SECRETION

Organization and function of the neurosecretory system in higher invertebrates. A.A.Voitkevich. Fiziol. zhur. 10 no.1:94-101 '64.

Pathogenic role of the mammary gland secretion. S.S. Atanasian. Vop.rent.i onk. 7:305-310 '63.

SECTS

(see also subdivision under Rovno Province)

Buldakov, V.P. [They bring sorrow to people; the religious sect of "Truly Orthodox Christians"] Oni prinosiat liudiam gore; o religioznoi sekte "istinnopravoslavnykh khristian." Perm', Permskoe knizhnoe izd-vo, 1960. 34 p. (Bibliotechka "Razgovory po dusham")

SEDIMENTATION AND DEPOSITION

(see subdivision under Amu Darya)

Some characteristics of the iodide crystallization process G A.Kurov. Kristallografiia 8 no 2 297-298 Mr-Ap '63.

SEED POTATOES

Effect of cold on the seed tubers of potatoes. L.F. Gromov. Uch zap CHNIIALIE no 22:63-74 '63.

SEED PRODUCTION

Effect of perennial lupine on the fruiting of the Scotch pine. IU.N.Azniev. Izv.vys ucheb.zav., les.zhur. 6 no 3:30-33 '63.

Morphogenesis and mineral nutrition of the seed plants of biennial crops A S Kruzhilin and others Agrokhimiia no 1 117-122 Ja '64

Present state and outlook for the development of the forest seed science. T.P.Nekrasova. Izv.Sib.otd.AN SSSR no.8:84-93 '62.

Reducing manual labor in corn seed production. G N. Gruzdeva, L.M Danilov. Inform.biul VDNKH no.8. 19-20 Ag '63.

SEEDS

Physiology of the ripening and germinating of European ash seeds. A.I.Savchenko. Izv.vys.ucheb.zav.; les. zhur. 6 no.3:46-49 '63.

Session on the physiology and biochemistry of seeds. K P Genkel' Agrokhimiia no 1 149-150 Ja '64

SEEDS—CATALOGS

[List of seeds offered in exchange by the Botanical Garden of the Academy of Sciences of the Kazakh S.S.R.] Spis.sem., predl.v obm Bot.sad AN Kazakh SSR no 27 '62
(DNAL)

[List of seeds offered in exchange by the Botanical Garden of the Academy of Sciences of the Kirghiz S.S.R.] Spis sem , predl v obm.Bot sad.AN Kir SSR nos.12-15 '61-64.
(DNAL)

[List of seeds offered in exchange by the Botanical Garden of the Academy of Sciences of the Tajik S.S.R.] Spis.sem., predl v obm.Bot sad.AN Tadzh SSR za '63
(DNAL)

[List of seeds offered in exchange by the Main Botanical Garden of the Academy of Sciences of the U.S.S.R.] Spis.sem. no.19 '63.
(DNAL)

SEEDS—DISINFECTION

(see also subdivision under Kostroma Province)

Presowing seed treatment Inform.biul.VDNKH no.2: 25-26 F '64

SEEDS, EFFECT OF ULTRASONIC WAVES ON

Effect of ultrasonic waves on the seeds of trees and shrubs. G.M.Kozubov, L.G.Ganiushkina. Bot.zhur. 49 no.7:957-965 Jl '64.

SEGEZHA (KARELIA)—CONSTRUCTION WORKERS

Dormitory in Segezha, from a correspondent's notebook. I.Belov. Nov.mir 40 no.2:186-197 F '64.

SEGEZHA (KARELIA)—SOCIAL PROBLEMS

Dormitory in Segezha, from a correspondent's notebook. I.Belov. Nov.mir 40 no.2:186-197 F '64.

SEIFULLINA, LIDIIA NIKOLAEVNA, 1889-1954

From the work notebooks of Lidiia Seifullina. Zoia Seifullina. Oktiabr' 40 no.4:193-194 Ap '64.

SEISMIC PROSPECTING

(see also subdivision under Azerbaijan; Dnieper-Donets Lowland; Kura Lowland; Turkmenistan)

Antsyferov, M.S., V.S.Ivanov, and L.N.Shevchenko, comps. [PGI geophone and methods for its use in hole prospecting] Geofon PGI i metodika ego primeneniia dlia poiska skvazhiny. Moskva, In-t gornogo dela, 1963. 17 p.
[MICROFILM]

Basic results of reflection-method seismic prospecting on the Caspian Sea. IA.P.Malovitskii. Neftegaz.geol. i geofiz. no.7:47-49 '64

Using the integral method for processing magnetotelluric observation. G.N.Anishchenko, V.V.Golubkov. Izv. AN Turk.SSR,Ser.fiz.-tekh.,khim.i geol.nauk no.2: 50-57 '63.

SEISMIC WAVES

Comparison of amplitude curves developed on a waveguide model of the earth's mantle, and seismic data. IU.V.Riznichenko, O.G.Shamina. Izv AN SSSR.Ser. geofiz no 8.1129-1141 Ag '64

Conditions of formation of a sum wave induced by a linear arrangement of explosion points IU A Vasil'ev, L.D. Raikher, E.I Sagalova. Izv AN SSSR.Ser.geofiz. no.8. 1192-1203 Ag '64

Methodology of discriminating PS waves in model studies. F.V.Lebedeva. Izv.AN SSSR.Ser.geofiz no.8:1204-1205 Ag '64.

SEISMIC WAVES (Continued)

[illegible] waves in the case of a thin layer [illegible] I. S. Parkhomenko [illegible] 114 1161 Ag '64

[illegible] analysis of the statistic [illegible] E. M. Gol'tsman [illegible] AN SSSR Ser geofiz [illegible] 1112-1119 Ag '64

SEISMIC WAVES—SPEED

(see also subdivision under Pacific Ocean)

[illegible] in a thin layer [illegible] V. P. Ru[illegible] [illegible] 1147 [illegible] '64

SEISMOLOGY—OBSERVATIONS

[[illegible] of the "Apatity" Seismic Station] Mat [illegible] seis sta "Apatity" Ja-Je '63

[illegible] of single [illegible] detectors in azimuth[illegible] V. I. P[illegible] N. R. S[illegible] Izv AN SSSR [illegible] 1112-1114 Ag '64

Vinogradov, S D [Acoustic observations of rock-breaking processes] Akusticheskie nabliudeniia protsessov razrusheniia gornykh porod. Moskva, Nauka, 1964. 82 p.

SELENGA RIVER—RUNOFF

[illegible] of the Selenga River and its role in the [illegible] waters of Lake Baikal. G. I. [illegible], K. K. V[illegible] Dokl. AN SSSR 158 no. 1 [illegible]-211 S-O '64.

SELENIUM

[illegible] properties of selenium elements A. V. [illegible] Izv. vys. ucheb. zav., fiz. no. 4:101-104 '64

SELENIUM ORGANIC COMPOUNDS

Selenium-containing derivatives of acrylic and methacrylic acids. A. N. Pudovik, E. I. Kashevarova. Dokl. AN SSSR 158 no. 1:157-160 S-O '64.

SELENOPHENE

Chemistry of selenophene Part 52 Sulfuration of selenophene-2-aldehyde and selenophene-2-carboxylic acid. IU. K. IUr'ev, N. K. Sadovaia Zhur. ob. khim. 34 no. 7:2190-2195 Jl '64

SELENOPHENE—SPECTRA

Correlations in the spectra of furan, thiophene, and selenophene derivatives [with summary in English]. E. G. Treshchova, D. Ekkhardt, IU. K. IUr'ev. Zhur. fiz. khim. 38 no. 2:295-303 F '64.

SELENOPHENECARBOXYLIC ACID

Chemistry of selenophene Part 52: Sulfuration of selenophene-3-aldehyde and selenophene-2-carboxylic acid IU K IUr'ev, N K. Sadovaia Zhur ob khim 34 no 7:2190-2195 Jl '64.

SELF GOVERNMENT (IN EDUCATION)

Organizational aspect of students' self-government. I Mitina Nar obr no 8:52-57 Ag '64

SEMASHKO, NIKOLAI ALEKSANDROVICH, 1874-1949

Mirskii, M. B [The chief physician of the republic] Glavnyi doktor respubliki. Moskva, Politizdat, 1964. 92 p. (Geroi i podvigi)

SEMEN—PRESERVATION

Effect of the feeding of male rabbits on the resistance of semen to cold shock D. V Smirnov-Ugriumov Trudy VIZH 25:104-108 '63

Oxidation-reduction processes in ruminant semen and their change under the action of synthetic media Kh Kh Khabibullin Trudy VIZH 25:123-131 '63

Semiconductor refrigerator provided with a thermostat. M. A Kaganov and others. Biul. nauch.-tekh. inform. po agron. fiz no 5/6:43-48 '59.

SEMENOV, IULIAN SEMENOVICH, 1931-

Simple or not so simple. F. Svetov. Nov. mir 40 no. 1:252-256 Ja '64

SEMICARBAZIDE—THERAPEUTIC USE

Results of clinical tests of treating cancer patients with cadmium iodide and semicarbazide hydrochloric acid. G. V. Kruglova. Vop. onk. 9 no. 6:104-113 '63.

Results of semicarbazide-cadmium therapy in patients with malignant tumors in incurable stage. M. L. Volokhonskaia and others. Vop. onk. 9 no. 6:92-104 '63.

Results of the treatment of patients with neglected cancer in the Leningrad District Military Hospital with preparations recommended by biochemist A. T. Kachugin. A. Tarasenko, G. Chekulaev. Vop. onk. 9 no. 6:116-120 '63.

Some data on the results of treatment of cancer patients with cadmium iodide and semicarbazide hydrochloric acid at the Second United Hospital of the Moscow district of Leningrad. L. S. Vil'ner. Vop. onk. 9 no. 6:120-125 '63.

Use of cadmium iodide and semicarbazide hydrochloric acid in the treatment of bladder tumors. L. M. Rabkova. Vop. onk. 9 no. 6:125-126 '63.

SEMICONDUCTORS

Binding energy, ionization and electroconductivity modulus of vitreous semiconducting compounds of variable composition. R. L. Miuller. Izv. AN SSSR. Ser. fiz. 28 no. 8:1279-1282 Ag '64.

Correspondence course. Mekh. i avtom. proizv. 18 no. 1:35 Ja '64.

Energy structure of semiconducting compounds. V. D. Khartsiev. Izv. AN SSSR. Ser. fiz 28 no 8:1266-1275 Ag '64.

Interrelation between the width of the forbidden zone of semiconductors and the heat of their atomization K A Sharifov Dokl AN Azerb SSR 19 no 9:15-19 '63

Interrelation between the width of the forbidden zone of semiconductors and their heat of atomization Substances of the composition AB K A Sharifov, Dokl AN Azerb SSR 19 no 3:23-25 '63

Mezhvuzovskaia konferentsiia po sovremennoi tekhnike dielektrikov i poluprovodnikov, 3d [Abstracts of reports of the Third Interuniversity Conference on the Present-day Technology of Dielectrics and Semiconductors] Tezisy dokladov. Leningrad, Leningr. elektro-tekhn in-t im. V I Ul'ianova (Lenina), 1960. 166 p.

[MICROFILM]

Origin of the compensation effect in chemical reaction occurring on the surface of semiconducting catalysts. V. S. Kuznetsov. Kin i kat. 5 no. 2:277-283 Mr-Ap '64.

Relation between the catalytic activity of certain semiconductors and the width of the forbidden zone. O. V. Krylov, E. A. Fokina. Kin. i kat 5 no. 2:284-292 Mr-Ap '64

Structure of semiconducting glasses of the systems Se - As and Se - Ge. S. V. Nemilov. Izv. AN SSSR. Ser. fiz. 28 no 8:1283-1284 Ag '64.

Substances with intermolecular hydrogen bonding as proton semiconductors. M. I. Shakhparonov. Zhur. fiz. khim. 38 no. 2:252-265 F '64.

Synthesis of semiconducting combined materials by the method of gas-phase grafted radiation polymerization. A. V. Vlasov and others. Dokl. AN SSSR 158 no. 1:141-142 S-O '64.

Teitel'baum, IA I. [Semiconductor rectifiers] Napivprovidnykovi vypriamliachi. Kyiv, Tekhnika, 1964. 257 p. (Biblioteka z napivprovidnykovoi elektroniky)

SEMICONDUCTORS—ELECTRIC PROPERTIES

Electroconductivity of As_2Te_3 type vitreous semiconductors. A. I. Gubanov, T. F. Mazets. Izv. AN SSSR. Ser. fiz. 28 no 8:1276-1278 Ag '64.

SEMICONDUCTORS—THERMAL PROPERTIES

Thermal conductivity of certain four-component semiconductor alloys. O V. Voitsekhivs'kyi. Ukr fiz. zhur. 8 no. 9:1027-1028 S '63.

Variation in the heat conductivity of semiconductors under the action of currents. L. G. Sapogin, IU P. Letunov Izv. vys. ucheb. zav., fiz. no 4:194-195 '64

SEMIOLOGY (COMMUNICATION)

People and signs. A. Kondratov. Nov. mir. 39 no. 4:202-215 Ap '63

SEMITIC LANGUAGES—MORPHOLOGY

"Inner inflection" in Indo-European and Semitic languages. I. A. Mel'chuk. Vop. iaz. 12 no. 4:27-40 Jl-Ag '63.

SENEGAL—COMMERCE

Shel'nov, A. K. [Senegal, its economy and foreign trade] Senegal; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 83 p.

SENEGAL—ECONOMIC CONDITIONS

Shel'nov, A. K. [Senegal, its economy and foreign trade] Senegal; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1964. 83 p.

SENSE ORGANS—MAMMALS

Electric responses of the peripheral section of the auditory system in various mammals. A. V. Baru, A. M. Maruseva. Fiziol. zhur. 49 no. 11:1330-1336 N '63.

SENSES AND SENSATION

Cortical and subcortical interaction during analysor activity; some research results. S. P. Narikashvili. Fiziol. zhur. 49 no. 11:1303-1309 N '63.

SEPARATION (TECHNOLOGY)

Continuous zinc removal from lead in a vacuum apparatus. V. S Esiutin, Zh Sh Taziev, G V. Kim Trudy Inst met i obog AN Kazakh. SSR 8:8-12 '63

Continuous zinc removal from lead under vacuum G. V Kim, V S Esiutin. Trudy Inst met i obog AN Kazakh. SSR 8:3-5 '63

Filter-separation of autoclave pulps. V. D. Ponomarev, IU M. Spivak, E I Machkasov. Trudy Inst. met i obog. AN Kazakh SSR 8:126-138 '63.

SEPARATORS (MACHINES)

Coal preparation in a heavy medium in hydrocyclones. M. G. Akopov. Obog. i brik. ugl. no. 26:15 '62.

Comparing the principles of magnetic separator performance with top and bottom feeding during the magnetic separation of coal breeze I. D. Remesnikov Trudy IGI 20:10-19 '63.

Using the S-100 super centrifuge for fractionating coal. A. I. Kamneva, IA. M. Ammosova, P. E. Messerle. Ugol' 39 no. 5:62-63 My '64.

SEPARATORS (MACHINES)—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hydraulic and lubricating devices; filters; magnetic separators] Gidravlicheskie i smazochnye ustroistva; fil'try, magnitnye ulovliteli. (MN 4650-63—MN 4652-63). Moskva, Izd-vo standartov, 1963. 10 p. (SSSR. Normali mashinostroeniia)

SEPIOLITE CRYSTALS

Electron diffraction data on the structures of sepiolite and palygorskite. B. B. Zviagin, K S. Mishchenko, V. A. Shitov. Kristallografiia 8 no. 2:201-206 Mr-Ap '63

SEPTICEMIA

Operation of exchange transfusion of blood in anaerobic sepsis. I. I. Berliant. Akush. i gin. 40 no. 1:15-18 Ja-F '64.

SEQUENCES (MATHEMATICS)

Iterative methods with divided differences of the second order. S. IU. Ul'm. Dokl. AN SSSR 158 no. 1:55-58 S-O '64.

Nonlinear transformations of certain classes of sequences (products). K M. Stepenchuk Izv vys. ucheb. zav.; mat no 2:144-151 '64

Pairs of Laplace P-sequences of n-dimensional projective space. V. V. Gol'dberg. Sib. mat. zhur. 5 no. 4:783-787 Jl-Ag '64.

Particular methods for the summation of infinite products. K. M. Stepenchuk. Izv. vys. ucheb. zav., mat. no. 6:133-137 '63.

Sequences of Appel type polynomials satisfying the recursion relation. A. K. Kharadze. Sib. mat. zhur. 5 no. 4:963-967 Jl-Ag '64.

SERGEEV, MIKHAIL NIKOLAEVICH, 1883-1963

Mikhail Nikolaevich Sergeev; obituary. Izv. vys. ucheb. zav., geod i aerof no 5:153-154 '63

SERGIEV, PETR GRIGOR'EVICH, 1893-

Petr Grigor'evich Sergiev; on his 70th birthday. Med. paraz. i paraz. bol. 32 no. 4:387-389 Jl-Ag '63.

SERGII, Patriarch of Russia, 1867-1944

In the memory of His Holiness Patriarch Sergii (sermon at a memorial service in the Cathedral of the Epiphany). Metropolitan Pimen. Zhur. Mosk Patr. no. 6:12-15 '64

Memorial service on the occasion of the 20th anniversary of the death of His Holiness Patriarch Sergii Zhur. Mosk Patr. no. 6:12-15 '64

SERIES

Analytic continuation of certain series of the Taylor - Dirichlet type. T. K. Akhmedov. Dokl. AN Azerb SSR 19 no. 9:3-7 '63.

Egorova, I. A. [Mathematical analysis. Series; methodological textbook for correspondence students of pedagogical institutes] Matematicheskii analiz. Riady; uchebno-metodicheskoe posobie dlia studentov-zaochnikov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1960. 107 p.

Method for the summing of series. V. N. Nikolenko. Izv. vys. ucheb. zav., mat. no. 2:127-135 '64

A method of base expansions. M. B. Kapilevich. Dokl. AN SSSR 157 no. 1:30-33 Jl '64.

Novocherkassk. Politekhnicheskii institut. Kafedra vysshei matematiki. [Numerical and functional series; lectures for students of technical schools of higher education] Chislovye i funktsional'nye riady; lektsii dlia studentov tekhnicheskikh vuzov. Novocherkassk, 1963. 68 p.

[MICROFILM]

SERIES, TAYLOR'S

Convolution of infinite matrices and its use in improving the summability of functional series. D. A. Kogan. Mat. zap. Ural. mat. ob-va UrGU 4 no. 2:80-90 '63.

SEROTONIN

Experimental data relative to the pharmacology of hippophaine (5-hydroxytryptamine hydrochloride). A. P. Belikova and others. Farm. i toks. 25 no. 6:705-711 N-D '62.

Some serotonin antagonists. V. V. Zakusov. Farm. i toks. 26 no. 2:131-138 Mr-Ap '63.

SERUM

Antigen properties of the blood serum and placental extracts in late pregnancy toxemias; experimental research. P. G. Zhuchenko. Akush. i gin. 40 no. 1:64-69 Ja-F '64.

SERUM DIAGNOSIS—CONGRESSES

[illegible] pathology [illegible] '62

SERUM THERAPY

Effect of immunotherapy on nitrogen metabolism in thermal burns in dogs. N. A. Fedorov, [illegible]

In [illegible] V. I. Pet[illegible] A. P. Kravchenko [illegible]

New standard regulations Sov. profsoiuzy 20 no 14 43 Jl '64

Service industries as an important sector of the building of communism. Part. zhizn' no. 15:3-7 Ag '64.

SERVICE INDUSTRIES—AUDITING AND INSPECTION see subdivision under Yaroslavl

SERVICE STATIONS

Natural losses of petroleum products in service stations M. A. Vorob'ev. Transp i khran. nefti i nefteprod. no. 5:23-26 '64.

SERVOMECHANISMS

Calculating the stability of a gyroscopic servosystem with variable parameters T A Khalilov Dokl. AN Azerb. SSR 19 no. 3 7-11 '63.

Mechanical characteristics of an asynchronous two-phase engine with a hollow rotor A. S. Anisimov Izv SO AN SSSR no. 2 Ser tekh nauk no 1:18-25 '64.

Method for optimizing a transient process in a servo-system with an oscillatory drive of the third order. A. I. Sud-Zlochevs'kii, I. H. Ufimtsev. Avtomatyka 8 no. 6:3-10 '63.

SEVASTOPOL—DESCRIPTION

Beloved Sevastopol. N. Kuz'min. Kryl. rod. 15 no. 5: 5 My '64.

SEVASTOPOL—SIEGE, 1942

Historical commission attached to the Sevastopol City Committee of the Communist Party of the Ukraine. G. I. Semin. Vop. ist. KPSS 8 no. 9:154-156 S '64.

Kulakov, N. M. [City of naval glory; the heroic defense of Sevastopol, 1941-1942] Gorod morskoi slavy; o geroicheskoi oborone Sevastopolia, 1941-1942 gody. Moskva, Politizdat, 1964. 78 p. (Stranitsy istorii Sovetskoi Rodiny)

SEVASTOPOL, BATTLE OF, 1944

Liberation of Sevastopol. Voen. vest. 43 no. 4:123 Ap '64.

With the banner on Sapun-gora. Ivan IAtsunenko Sov. voin 46 no. 9:20 My '64.

SEVERNYY STAVROPOL GAS FIELD—GAS, NATURAL—GEOLOGY

Studying the complex gas-water surface in the Severnyy Stavropol gas field. L. S. Temin, IU. M. Friman. Gaz. prom. 8 no. 6:5-10 '63.

SEVEROURAL'SK (SVERDLOVSK PROVINCE)—SINK-HOLES

Mass sink formation in the city of Severoural'sk as a result of the change in the regime of undergound waters. V. S. Lukin, B. F. Perevozchikov Izv Vses geog. ob-va 96 no. 3 241-244 My-Je '61.

SEVIN

Sevin. L. P. Bocharova. Khim. v sel'. khoz. 2 no. 4: 57-60 Ap '64.

SEWAGE—PURIFICATION

Effectiveness of the work of the experimental settling pond at the Krasnodar Petroleum Refinery. N A. Amelina, L. I. Znachko. Nauch. trudy Kub. gos med inst. 10:90-96 '62.

SEWERAGE

Ul'masov, N. [Nomograms for the hydraulic design of sewerage networks] Nomogrammy dlia gidravlicheskogo rascheta kanalizatsionnykh setei. Moskva, VTs AN SSSR, 1964. 30 p. nomogrs. (in folder)

SEX (BIOLOGY)

Action of some factors on fertilization and sex ratio in mammals. I. I. Sokolovskaia, L. D. Drozdova. Trudy VIZH 25:109-122 '63.

SEX (PSYCHOLOGY)

Psychosomatic interrelations in sexual disorders in neurosis patients. R. A. Zachepitskii, E. K. IAkovleva. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:257-265 '63.

SEX HORMONES see Hormones, Sex

SEXUAL HYGIENE see Hygiene, Sexual

SEXUAL INSTINCT

Role of male and female sex hormones in the origination and maintenance of the sexual instinct in women. A. M. Raskin, L. L. Liberman. Trudy Gos. nauch.-issl. psikhonevr. inst. 29:359-367 '63.

SHADOW PANTOMIMES AND PLAYS see subdivision under Moscow

SHAFT SINKING

Blind shafts in coal mines. V. T. Lopukhin. Ugol' Ukr. 7 no. 12:53 D '63.

Efficient systems of deepening shafts in the opening up of lower levels. I. G. Medvedev, S. P. Muzykantov, N. I. Oblomskaia. Trudy KuzNIIshakhtostroia no. 1:6-19 '63.

cal shafts E G, Duda, I. N Popov, N. R Umnov Trudy KuzNIIshakhtostroia no. 1 20-30 '63.

Man'kovskii, G. I., ed. [Boring mine shafts with machines made by the Ural Factory for Heavy Machinery Manufacture] Burenie stvolov shakht ustanovkami UZTM. Moskva, Izd-vo "Nedra," 1963. 131 p.

Rapid shaft sinking at the "Gigant-Glubokaia" Mine S I Lugovskii, A I Skormakov Sbor nauch. trud KGRI no 10 93-96 '61.

Telephone communications during the sinking of shafts excluding the reception and transmission of outside noises V. N Balakhonov, B. V Sukhanov Trudy KuzNIIshakhtostroia no. 1 31-40 '63

Vertical shaft sinking with the use of a multirope hoisting machine V. G Kushmet Ugol' Ukr. 7 no 9:19-22 S '63.

SHAFTING

Experimental determination of the fatigue resistance of rotating large steel shafts. I. V. Kudriavtsev, V M. Andrenko Vest. mashinostr 44 no. 6:50-54 Je '64

SHAKESPEARE, WILLIAM, 1564-1616

A few words about Shakespeare. I. I. Anisimov Vest. AN SSSR 34 no. 6 110-113 Je '64

On Shakespeare's system, on the 400th anniversary of his birth A Anikst Nov mir 40 no 4 233-241 Ap '64

There, where a great Englishman was born and buried. V. Kochetov. Oktiabr' 40 no. 4:175-186 Ap '64.

William Shakespeare. V P. Vaganov. Rad. shk. 42 no. 4,107-108 Ap '64.

SHALE

(see also subdivision under Caucasus)

Study of the volatilization of shale ash in a reducing medium at high temperatures I. P Epik, Kh P. Taal' Izv vys ucheb. zav., energ 7 no 6 70-75 Je '64

SHAPORIN, IURII ALEKSANDROVICH, 1887-

Patriotic epic. D. Blagoi. Sov muz. 28 no. 2:36-40 F '64.

SHAPOSHNIKOV, VLADIMIR NIKOLAEVICH, 1884-

Celebration in honor of Academician V N. Shaposhnikov. Vest AN SSSR 34 no 6 103-104 Je '64

SHCHEPKIN, MIKHAIL SEMENOVICH, 1788-1863

Among Ukrainian friends. A. Grin. Teatr 24 no. 8:150-162 Ag '63.

Concerning a theatrical legend. Vl. Filippov Teatr 24 no. 8:171-175 Ag '63.

Feat of an actor. IU. Dmitriev. Teatr 24 no. 8:152-158 Ag '63.

M. S. Shchepkin and S. T. Aksakov. N. Pakhomov. Teatr 24 no. 8:186-188 Ag '63.

One year. Teatr 24 no. 8:176-185 Ag '63.

Our great contemporary. Igor' Il'inskii. Teatr 24 no. 8:145-151 Ag '63.

Shchepkin and the provinces. A. Klinchin. Teatr 24 no. 8:163-167 Ag '63.

Shchepkin in Petersburg. An. Al'tshuller. Teatr 24 no. 8:168-170 Ag '63.

The Shchepkin matter. E. Kholodov. Teatr 24 no. 8: 137-144 Ag '63

Tale about Shchepkin. Teatr 24 no. 12:101 D '63.

SHCHEPKIN, MIKHAIL SEMENOVICH, 1788-1863—HOMES AND HAUNTS

Through Shchepkin places. V. Maslikh. Teatr 24 no. 8:189-192 Ag '63.

SHCHERBAKOV, BORIS VALENTINOVICH, 1916-

Shcherbakov, B. V. [L. N. Tolstoi's "Yasnaya Polyana"; album of reproductions] IAsnaia Poliana L. N. Tolstogo, al'bom risunkov. Leningrad, Khudozhnik RSFSR, 1963. 35 p. illus.

SHCHUCHINSK (KOKCHETAV PROVINCE)—SANATORIUMS

Active help. B. Glebov. Okhr. truda i sots. strakh. 7 no. 5:32 '64.

SHEAR (MECHANICS)

Effect of shear on Young's modulus of glass textolite specimens in transverse bend. IU. M. Khishchenko. Zav. lab. 30 no. 6:747-749 '64.

SHEARS (MACHINE TOOLS)

Conditions of cutting hot blanks with blooming mill shears. A. I. Kalinin. Met. i gornorud. prom. no. 6: 59-61 N-D '62.

SHEARWATER (BIRD) see subdivision under Pacific Ocean

SHEBELINKA GAS FIELD—CONDENSATE OIL WELLS

Experimental investigation of the motion of a gas-conden- [illegible]

IUshkin. Gaz. prom. 7 no. 3:4-8 '62.

SHEBELINKA GAS FIELD—GAS, NATURAL—GEOLOGY

Dependences between the parameters characterizing the reservoir-rock properties of producing rocks; based on a study of the Shebelinka gas field. I. V. Mukharinskaia. Neftegaz. geol. i geofiz no. 6,22-28 '64.

Formation of the Shebelinka uplift in the Donets transitional region I S Romanovich Gaz prom 7 no 9 1-5 '62

SHEBELINKA GAS FIELD—ROCKS—ANALYSIS

Characteristics and reservoir-rock properties of the gas-bearing sediments in a cuprous series of sandstones in the Shebelinka gas field. V. D. Shulenina. Trudy VNIIGAZ no. 20/28:210-223 '64.

SHEBELINKA GAS FIELD—SANDSTONE

Characteristics and reservoir-rock properties of the gas-bearing sediments in a cuprous series of sandstones in the Shebelinka gas field. V. D. Shulenina. Trudy VNIIGAZ no. 20/28:210-223 '64.

SHEEP

(see also subdivision under Alma-Ata Province)

Ivanov, M. F. [Complete works in seven volumes] Polnoe sobranie sochinenii v semi tomakh. Moskva, Izd-vo, "Kolos,"

Vol. 3. 1964. 614 p.

(DNAL)

SHEEP—DISEASES AND PESTS see subdivision under Ural'sk Province

SHEEP—ECONOMIC ASPECTS see subdivision under Stavropol Territory

SHEEP—FEEDING AND FEEDS

Effect of environmental conditions on the inheritance of characters. G. A Stakan, A. A Soskin Izv Sib otd AN SSSR no. 12 145-148 '62

SHEEP—PHYSIOLOGY

Using prolan (chorionic gonadotropin) for promoting multiparity in sheep. A. L. Paducheva, A A. Molchanova. Trudy VIZH 25:216-220 '63

SHEEP BREEDING

(see also subdivision under Dagana-Kiik, Tajikistan)

Effect of environmental conditions on the inheritance of characters. G. A. Stakan, A A. Soskin. Izv Sib. otd AN SSSR no. 12 145-148 '62

Sannikov, M. I. [Interbreeding various breeds in fine-wool sheep farming] Mezhporodnoe skreshchivanie v tonkorunnom ovtsevodstve. [Moskva] Izd-vo "Kolos," 1964. 414 p.

(DNAL)

SHEET METAL—TESTING

Resonance apparatus for fatigue testing of sheet materials at various temperatures. N. M. Ryzhov, A. N. Kotov, A. G. Rakhshtadt. Zav. lab. 30 no. 6: 751-752 '64.

SHEET STEEL

Technical progress in the production of tinned sheet steel in the U. S. S. R and its reflection in the consumption of basic materials N. F. Sklokin, T. A. Vishnevskaia. Stal' 23 no. 4:367-370 Ap '64.

SHEET STEEL—WELDING

Determining the structural strength of welds in thin-sheet, high-strength hardenable steel S L. Mandel'berg, B. N. Kushnirenko Avtom. svar. 17 no 7 90-91 Jl '64

SHELKOVO (MOSCOW PROVINCE)—COMMUNITY AND SCHOOL

In the workshop, school and family. I. Kirsanov. Sov. profsoiuzy 20 no 16 13 Ag '64

SHELLS (ENGINEERING)

Concreting domes and shell by wet guniting. M. IA. Kantor. S. A Voitovich Transp stroi. 14 no. 1:29-31 Ja '64

SHENNIKOV, ALEKSANDR PETROVICH, 1888-

Works of A. P. Shennikov in the field of grassland research. T. A. Rabotnov. Biul. MOIP. Otd. biol. 68 no. 3:134-141 My-Je '63.

SHEVCHENKO, NIKOLAI ANTONOVICH, 1903-

Nikolai Antonovich Shevchenko; on his 60th birthday. Arkh. anat., gist i embr. 45 no. 12:84-85 D '63.

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

The "Baiterek" of the Ukraine. G. Musrepov. Komm. Ukr. 39 no. 3:59-62 Mr '64.

Bazhan, M. P., and others, eds. [Universal grandeur of Shevchenko; collection of materials on the works of T. H. Shevchenko in three volumes] Svitova velych Shevchenka; zbirnyk materialiv pro tvorchist' T. H. Shevchenka v [illegible] Ki. [illegible]

[illegible]

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861
(Continued)

[illegible] Komm Ukr 39 no 3 53-[illegible] Mr '64

[illegible] Komm Ukr 39 no 3 46-52 Mr '64

[illegible] Komm [illegible] Mr '64

[illegible] Komm Ukr [illegible] Mr '64

[illegible] Komm Ukr 39 no 3 [illegible] '64

Shevchenko, T.H. [Complete collected works in six volumes] Povne zibrannia tvoriv u shesty tomakh Kyiv, Vyd-vo Akad. nauk URSR.
Vol 6 [Letters, notes, folklore recordings] Lysty, notatky, fol'klorni zapysy. 1964. 633 p.

T.H. [illegible] of three eras A. [illegible] Komm Ukr 39 no 3 83-93 Mr '64

[illegible] life and [illegible] P. Prokopchak [illegible] Mr '64

[illegible] P. B[illegible] Komm Ukr 39 no 3 [illegible] Mr '64

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—*HOMES AND HAUNTS*

On the [illegible] land A. St[illegible] Komm Ukr 39 no 3 [illegible]-77 Mr '64

Zhur, P.V. [Shevchenko's Petersburg] Shevchenkovskii Peterburg. [Leningrad] Lenizdat, 1964. 288 p. (MH)

SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—MUSEUMS, RELICS, ETC.

[illegible] nationwide appreciation [illegible] Komm Ukr 39 no 3 69-70 Mr '64

SHEVCHENKO IN LITERATURE AND ART

[illegible] P. [illegible] Komm Ukr. [illegible] Mr '64

SHIFT SYSTEMS

The factory lights glow at night L. Arrautov, IA Kar[illegible] Sov profsoiuzy 20 no 15 6-9 Ag '64

SHIGELLA

Genetic recombinations in intestinal bacteria. Report No. 4 Study of the genetic structure of the hybrids of dysentery bacteria, relation to phages and virulence. A. A. Abidov. Biul. eksp. biol i med. 55 [i.e. 56] no. 10 65-66 O '63.

SHIINA, ETSUSABURO, 1898-

[illegible] Etsusaburo Shiina U Ba Saw, Ale[illegible] Nov vrem 22 no 32 9 15 21 Ag '64

SHIMKEVICH, VLADIMIR MIKHAILOVICH, 1858-1923

A famous Russian morphologist-Darwinist, on the 40th anniversary of the death of Academician Vladimir Mikhailovich Shimkevich. I. I. Polianskii. Arkh. anat., gist. i embr. 45 no. 12 59-68 D '63.

SHIP RESISTANCE

Voitkunskii, IA I. [Resistance of water to the movement of ships] Soprotivlenie vody dvizheniiu sudov. Leningrad, Sudostroenie, 1964. 411 p.

SHIP TRIALS

Beliak, IU. L. [Experimental investigation of the strength of ship hulls] Eksperimental'noe issledovanie prochnosti korpusov sudov Leningrad, Sudostroenie, 1964. 229 p.

SHIPBUILDING

(see also subdivision under Europe, Eastern)

Gurovich, A. N. [Ship equipment and the internal outfitting of ships] Sudovye ustroistva i vnutrennee oborudovanie sudov. Leningrad, Sudostroenie, 1964. 297 p.

The role of the crown peasants in Karelia of the European Northern Russia in the development of shipbuilding and navigation from the second half of the 18th to the first third of the 19th century A. S. Cheravan' Uch. zap. Petrozav gos un 11 no 3 223-254 '62.

SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

Potentialities of shipbuilding workers. K. Khromov. NTO 5 no. 12 43-44 D '63.

SHIPBUILDING MATERIALS

Al'shits, I. M. [Polyester glass-reinforced plastics for shipbuilding] Poliefirnye stekloplastiki dlia sudostroeniia. Leningrad, Izd-vo "Sudostroenie," 1964. 286 p.

SHIPBUILDING WORKERS see subdivision under Omsk

SHIPPING

Bakaev, V. G [World shipping and sea transportation in capitalist countries; notes for the development of a long-term program for the expansion of the U. S. S. R. merchant marine] Mirovoe sudokhodstvo i morskoi transport kapitalisticheskikh stran; zametki k razrabotke perspektivnogo plana razvitiia morskogo flota SSSR. Moskva, Izd-vo "Transport," 1964. 49 p.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur. • Vod. transp. nos. 8-9 Ag-S '64

SHIPS—AIR CONDITIONING

Basic requirements of air conditioner design for ship holds I. P. Andronov Ekon i ekspl mor transp no. 1 69-73 '63

SHIPS—CARGO

Selecting vessels for the transportation of packaged cargo P R Dubinskii, D IA Pasternak Ekon. i ekspl mor transp no 1 21-2[illegible] '63

SHIPS—EQUIPMENT AND SUPPLIES

Dorogostaiskii, D V., M. M. Zhuchenko, and N. IA. Mal'tsev. [Theory and equipment of ships] Teoriia i ustroistvo sudna. Pod obshchei red. D. V. Dorogostaiskogo. Leningrad, Sudostroenie, 1964. 508 p.

SHIPS—MAINTENANCE AND REPAIR

Practicability of using liquid preservative oils for protecting ship equipment. I. I Gerasimov and others. Khim. i. tekh. topl. i masel 9 no 4 36-39 Ap '64.

SHIPS—TRANSPORTATION

Use and experimental testing of the approximate theory of fluctuations in the chamber of an inclined ship elevator O. F. Vasil'ev Izv. SO AN SSSR no. 2 Ser tekh nauk no. 1·89-100 '64

SHIPS—WELDING

Methods of determining the degree of mechanization of welding operations in shipbuilding M R Shraerman Avtom svar 17 no 7 83-89 Jl '64

SHIRVAN STEPPE see Kura Lowland

SHISHKOV, VLADIMIR GEORGIEVICH, 1904-

Vladimir Georgievich Shishkov, on his 60th birthday. Meteor. i gidrol. no. 8;57-58 Ag '64.

SHNEIDEROV, VLADIMIR ADOL'FOVICH

Nechaeva, M. D Vladimir Shneiderov. Moskva, Iskusstvo, 1964. 133 p. (Mastera kinoiskusstva)

SHOCK

Adrenal gland insufficiency following cesarean section. K. M. Federmesser, M. M. Shekhtman. Akush i gin 39 no 5;152-153 S-O '63.

Antishock fluid A. IA Medvedev. Akush. i gin 39 *no. 5;123-125 S-O '63.*

"Classification of shocks; a critical discussion of the problem" by I. K. Akhunbaev and G. L. Frenkel'. Reviewed by O. S. Glozman. Pat. fiziol. i eksp. terap. 6 no. 4;93-95 Jl-Ag '62

Complex therapy of burn shock. G Sh. Vasadze, T. E. Kudritskaia Pat. fiziol. i eksp. terap. 6 no. 4;34-38 Jl-Ag '62.

SHOCK TUBES

Simple transducers for shock tubes E T Antropov, A. A Sapronov Teplofiz vys temp 2 no 3 482-484 My-Je '64

SHOCK WAVES

Cumulative shock waves in interstellar space. E. A. Dibai, S. A. Kaplan. Astron. zhur. 41 no. 4:652-658 Jl-Ag '64.

Impact of a shock wave against a wedge moving at supersonic speed. A. I. Golubinskii. Prikl. mat. i mekh. 28 no. 4;778-779 Jl-Ag '64.

Ionization relaxation behind a shock wave front in argon with a cesium impurity. I. T. IAkubov. Zhur. tekh. fiz. 34 no. 5;879-882 My '64.

Irregular reflection of weak shock waves from a rigid wall. G. P. Shindiapin. PMTF no. 2;22-28 Mr-Ap '64.

Method for calculating a supersonic flow about blunt bodies with a detached shock wave. S. M. Gilinskii, G. F. Telenin, G. P. Tiniakov. Izv. AN SSSR. Mekh. i mashinostr. no. 4;9-28 Jl-Ag '64.

Photodissociation of oxygen in front of a *shock wave in the* air L M Biberman, V. G Sevast'ianenko, I T IAkubov. Teplofiz vys temp 2 no 3,333-336 My-Je '64

Structure of a shock wave allowing for radiative transfer of momentum and energy. V. S. Imshennik, IU. I. Morozov. PMTF no. 2;8-21 Mr-Ap '64.

Structure of a shock wave with emission. S. A. Kaplan, I. A. Klimishin. Astron. zhur. 41 no. 4,657 Jl-Ag '64.

Structure of shock waves in the air allowing for the kinetics of chemical reactions and the excitation of *molecular* vibrations of nitrogen. S I Anisimov, N. M. Kuznetsov, E F Nogotov. Teplofiz. vys temp. 2 no 3 *337-343* My-Je '64

SHOCK WAVES—SPEED

Shock waves in metals. L. P. Orlenko, G. F. Efremov. *Izv. vys. ucheb. zav., fiz.* no. 4;72-75 '64.

SHOE INDUSTRY see subdivision under Lvov Province; Sverdlovsk

SHOE INDUSTRY—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Shoe industry—Equipment and supplies

SHOE INDUSTRY—MANAGEMENT

(see also subdivision under Simferopol')

Technological and organizational bases for the improvement of footwear quality. M. V. Lev. Kozh.-obuv. prom. 6 no. 7;4-7 Jl '64.

SHOE INDUSTRY—PERIODICALS

Readers' comments on the journal. N. Kuznetsova. Kozh.-obuv. prom. 6 no. 7;43-44 Jl '64.

SHOE MANUFACTURE

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Flexible footwear] Gibkaia obuv' Moskva, 1962. 38 p.
[MICROFILM]

SHOE MANUFACTURE—QUALITY CONTROL

Class in precision in shoe manufacture. V. P. Skvarik. Kozh.-obuv. prom. 6 no. 7:30-32 Jl '64.

SHOKAL'SKII, IULII MIKHAILOVICH, 1856-1940

IU M. Shokal'skii and naval bibliography. E. Volkov. Voen.-ist zhur 5 no. 4;114-116 Ap '63.

SHOOTING

The club and the Spartakiada. L. Vasil'ev. Voen. znan. 40 no 7,30 Jl '64.

Winners of club contests. Voen. znan. 40 no. 7;40 Jl '64.

SHOOTING, MILITARY

Everything depends on conditions; comment on the article published in no. 5. I. Mikheev. Voen. vest. 14 no. 7;105-107 Jl '64.

From experience of training in sighting. M. Akhmetsov. Voen. vest. 44 no. 7;104-105 Jl '64.

In order to shorten the time for firing. M. Zlotnik. A. Podoliako. Voen. vest. 43 no. 4;111-112 Ap '64.

Train persistently and reasonably. A. Demidov. Voen. vest. 43 no. 4;106-107 Ap '64.

Use fire from armored carriers more effectively. S. Mutsynov. Voen. vest. 43 no. 4;102-106 Ap '64.

SHORE PROTECTION

(see also subdivision under Black Sea)

Experimental construction of a wave damping berm made of tetrapods A. I Freikman. Transp. stroi. 13 no. 10;26-27 O '63.

Protecting gentle slopes with groins. IA. F. Guguiaev. Trudy Gidr av. lab. VODGEO no. 10;62-82 '63.

Some methods of reducing the height of waves breaking on slopes. V. S. Shaitan. Trudy Gidr av lab. VODGEO no. 10:53-61 '63.

SHOSTAKOVICH, DMITRII DMITRIEVICH, 1906-

The subject requires. V. Galatskaia. Sov. muz. 28 no. 2·132-137 F '64

SHOT (PELLETS)—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Technical shot of cast iron and steel; types, dimensions, technical requirements] Drob' tekhnicheskaia iz chuguna i stali; tipy, razmery, tekhnicheskie trebovaniia (MN 4081-62). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normal' mashinostroeniia)

SHOT PEENING—EQUIPMENT AND SUPPLIES

Improved shot-blasting drum. V. Zhukov. Mashinostroitel' no. 7;25 Jl '64.

SHOWER BATHS—EQUIPMENT AND SUPPLIES

Glass partitions for shower stalls. N. A. Travkin. Adm.-byt. komb. ugol'. shakht no. 5;81-83 '62.

SHTEPA, VLADIMIR STEPANOVICH, 1924-1963

To the memory of Vladimir Stepanovich Shtepa. V. D. Aleksandrova and others. Bot zhur 49 no. 5 750-751 My '64

SHUKSHIN, VASILII

Durable basis E. Kuz'mina. Nov mir 40 no 4:241-246 Ap '64

SHUYA—COMMUNIST PARTY OF THE *SOVIET UNION*—PARTY WORK

Studying the population's requests. A. IUdin. Part. zhizn' no. 16;61-62 Ag '64.

SIAZAN' REGION—PETROLEUM PRODUCTION

Special *features of the geology* and development of the Siazan' oil field. G. A. Guseinov, B. M. Solomonov. Nefteprom. delo *no. 4;3-5* '63.

SIBELIUS, JEAN, 1865-1957

Aleksandrova, V. N., and E. F. Bronfin. [Jean Sibelius; a sketch of his life and works] IAn Sibelius; ocherk *zhizni i tvorchestva.* Moskva, Muzgiz, 1963. 148 p.

SIBERIA—AGGREGATES (BUILDING MATERIALS)

First Siberian plant for the production of agloporites in a brick factory. V. V. *Eremenko and others. Stroi. mat.* 9 no. 6;22-24 Je '63.

SIBERIA—ANTIQUITIES

Discoveries of Siberian archaeologists. A. P. Okladnikov, V. E. Larichev. Vest. AN SSSR 34 no. 6;71-78 Je '64.

Differentiating open fractures of tectonic origin from artificial open fractures in argillite thin sections. E A Kareva Trudy VNIGRI no. 228 261-268 '64.

SIBERIA—BOTANY, ECONOMIC

Plant kingdom of Siberia as a productive force and outlook for its utilization. A. V. Kuminova, K. A. Sobolevskaia. Izv. Sib. otd. AN SSSR no. 10:91-99 '62.

SIBERIA—COAL MINES AND MINING—LABOR PRODUCTIVITY

Practice in improving the organization of work in a stope. I. V. Chernov. Izv. SO AN SSSR no. 5 Ser obshchestv nauk no. 2 117-120 '63

SIBERIA—DESCRIPTION AND TRAVEL

"The main thing, boys, is that the heart doesn't grow old " S Grebennikov, N. Dobronarov Sov muz 28 no. 1 104-111 Ja '64

SIBERIA—EARTHWORK—COLD WEATHER CONDITIONS

Carrying out earthwork operations in winter. P. S. Slobodeniuk Transp stroi 14 no 1.7-10 Ja '64

SIBERIA—ECONOMIC GEOGRAPHY

Methodological problems concerning the optimal distribution planning of the individual branches of industry L. A. Kozlov. Izv SO AN SSSR no 5. Ser obshchestv. nauk no 2:21-28 '63.

SIBERIA—ECONOMIC RESEARCH

A new coordinating method for scholarly research. V. G. Fomin Izv SO AN SSSR no. 5. Ser. obshchestv nauk no. 2 121-122 '63.

SIBERIA—EFFICIENCY, INDUSTRIAL

Use of greater advantage the potentialities of labor productivity in the industry of Siberia B. N. Zykin. Izv. Sib. otd. AN SSSR no 9 3-12 '62.

SIBERIA—ENCEPHALITIS, EPIDEMIC

Focus of taiga encephalitis and the dynamics of vegetation cover. B. V Vershinskii, V IA. Balaganov. Dokl. Inst. geog. Sib. i Dal'. Vost. no 1:58-67 '62

SIBERIA—FORESTS AND FORESTRY

Present state and outlook for the development of the forest seed science. T. P. Nekrasova. Izv. Sib. otd. AN SSSR no. 9:84-93 '62.

SIBERIA—FRUIT CULTURE

Tiazhel'nikov, A. D. [Advice to Siberian orchardists] Sovety sibirskim sadovodam. [Tomsk] Izd-vo Tomskogo univ., 1963. 108 p.
(DNAL)

SIBERIA—GAS, NATURAL—GEOLOGY

Petroleum and natural gas of Siberia. A. A Trofimuk. Vest AN SSSR 34 no. 6 37-44 Je '64

Prospects for finding gas in the southern part of the East Siberian Platform. V. G. Vasil'ev and others. Gaz. prom. 8 no. 6:1-4 '63.

SIBERIA—GEOGRAPHICAL SOCIETIES

In the Institute of the Geography of Siberia and the Far East. I. L. Kleopov. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 1:68-72 '62.

IBERIA—GEOGRAPHY

Reports of the Institute of the Geography of Siberia and the Far East. IU. P. Parmuzin. Izv. Vses. geog. ob-va 96 no. 3 257-259 My-Je '64.

SIBERIA—HISTORIOGRAPHY

"Historiography of Siberia; 18th century by V. G. Mirzoev. Reviewed by P. I Kabanov. Vop. ist. 39 no. 7:143-145 Jl '64.

Participation of the teachers of institutions of higher learning in the preparation of a multivolume "History of Siberia." Izv. SO AN SSSR no. 5 Ser obshchestv nauk no. 2 122 '63.

IBERIA—HISTORY

History of Siberia. V. L. Soskin. Vest. AN SSSR 34 no. 6:69-70 Je '64.

IBERIA—INDUSTRIAL MANAGEMENT

Increasing the effectiveness of industrial production in the North. G. A. Zakharov, V. P. Loginov. Izv. SO AN SSSR no. 5 Ser. obshchestv. nauk no. 2:13-20 '63.

IBERIA—MATERIA MEDICA, VEGETABLE

Effect of preparations derived from some Far Eastern and Siberian medicinal plants on the appetite of experimental animals. L. D. Shuliateva, T. M. Smolina, K. I. Stepanova. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5:253-256 '63.

BERIA—MEDICINE

Gol'dberg, D. I., and N. P. Fedotov, eds. [Materials on the history of medicine and public health in Siberia] Materialy k istorii meditsiny i zdravookhraneniia Sibiri. Tomsk, Izd-vo Tomskogo univ., 1960. 261 p.
[MICROFILM]

SIBERIA—MIGRATION, INTERNAL

Methods for improving the analysis of internal migration V I Perevedentsev Izv SO AN SSSR no 5 Ser obshchestv. nauk no 2 70-78 '63.

SIBERIA—ORE DEPOSITS

Scientific problems in establishing ore bases in Siberia and the Far East V. A Kuznetsov Vest AN SSSR 34 no. 6 45-47 Je '64.

SIBERIA—PEGMATITES

Characteristics of the geological position and mineralization of the rare-metal pegmatites of one of the regions in Siberia. M. M. Manuilova, I. K. Aslanov, M. V. Terent'eva. Trudy Lab. geol. dokem. no. 19:322-331 '64.

SIBERIA—PETROLEUM GEOLOGY

Petroleum and natural gas of Siberia A. A Trofimuk Vest AN SSSR 34 no. 6 37-44 Je '64

Tectonics of the Markovo oil-bearing region.' E. A. Ivanov, V. I. Karasova. Geol. nefti i gaza 8 no. 8:36-39 Ag '64.

SIBERIA—PHYTOGEOGRAPHY

Focus of taiga encephalitis and the dynamics of vegetation cover. B. V. Vershinskii, V IA Balaganov Dokl Inst geog. Sib. i Dal'. Vost no. 1:58-67 '62

SIBERIA—POPULATION FORECASTING

Estimating future population in small towns and districts. E. M. Levitskii Izv SO AN SSSR no. 5 Ser. obshchestv. nauk no. 2:60-69 '63

SIBERIA—POTASSIUM SALTS

Search, prospecting and study of potassium salts; seminar in Novosibirsk. A. L IAnshin. Vest AN SSSR 34 no. 6:97-99 Je '64.

SIBERIA—PUBLIC HEALTH

Gol'dberg, D. I., and N. P. Fedotov, eds. [Materials on the history of medicine and public health in Siberia] Materialy k istorii meditsiny i zdravookhraneniia Sibiri, Tomsk, Izd-vo Tomskogo univ., 1960. 261 p.
[MICROFILM]

SIBERIA—RAILROADS

Khalotskaia, A. A. [F. E. Dzerzhinskii's expedition to Siberia in 1922] Ekspeditsiia F. E. Dzerzhinskogo v Sibir' (1922 g.). [Omsk] Omskoe knizhnoe izd-vo, 1963. 67 p.

Main line of laboring glory. V S. Kabanov. Transp. stroi. 13 no. 10:40-41 O '63.

SIBERIA—RAILROADS—DESIGN AND CONSTRUCTION

Siberia is building roads. N. I. Kaz'min. Transp. stroi. 14 no. 1:2-3 Ja '64

SIBERIA—RAILROADS—EARTHWORK

We are working for the sixth year of the seven-year plan. V. N. Tolstobrov. Transp stroi. 13 no. 10:44 O '63.

SIBERIA—RESEARCH

Development of science in the East of the U.S.S.R. M. A. Lavrent'ev. Vest AN SSSR 34 no. 6:3-11 Je '64.

The Siberian science center. Izv. Sib. otd. AN SSSR no. 10: 3-12 '62.

Tools and methods of scientific studies; symposium at the Siberian Science Center. E. A. Komarskikh Vest. AN SSSR 34 no. 6:101-102 Je '64.

SIBERIA—SABLES

Changes of the color of sables in the Yenisey area of Siberia during individual years. K. D. Numerov. Zool. zhur. 43 no. 4:599-605 '64.

SIBERIA—TEACHERS—LEAVES OF ABSENCE

Participation of the teachers of institutions of higher learning in the preparation of a multivolume "History of Siberia." Izv SO AN SSSR no. 5 Ser. obshchestv. nauk no. 2:122 '63.

SIBERIA—TRANSPORTATION

Development of transportation in the northern districts of Siberia. B. V. Ivanov. Izv. SO AN SSSR no. 5. Ser. obshchestv. nauk no. 2.53-59 '63.

SIBERIA—WATER, UNDERGROUND

Hydrogeology of central Siberia. N. I. Tolstikhin. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:72-81 '62.

Principles of the structural and hydrogeological regionalization of Siberia. N. I. Tolstikhin. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:2-9 '62.

SIBERIA—WEIGHTS AND MEASURES

Unification of dry measures in Siberia in the 17th century. O. N. Vilkov. Izv SO AN SSSR no. 5. Ser. obshchestv. nauk no. 2:112-116 '63.

SIBERIA, EASTERN—CLIMATE

Climatic time phases of the Zyryanka glaciation in Eastern Siberia. L. V. Golubeva, E. I. Ravskii. Biul. Kom. chetv. per. no. 29:132-148 '64.

SIBERIA, EASTERN—HYDROLYSIS

Present state and prospects for developing industrial hydrolysis in Eastern Siberia G A Matveev Izv SO AN SSSR no 5 Ser obshchestv. nauk no 2 45-52 '63

SIBERIA, EASTERN—PSYCHIATRY

History of the beginnings of psychiatric service in Eastern Siberia. S. A. Milovzorova. Trudy Gos. nauch.-issl. inst. psikh. 40:321-332 '63.

SIBERIA, EASTERN—ROCKS, CRYSTALLINE AND METAMORPHIC

Possibilities of paleogeographic reconstruction in Pre-Cambrian metamorphic formations. V. K. Golovenok. Trudy VSEGEI 97:91-110 '64.

SIBERIA, EASTERN—TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Conference on the biological role of trace elements in the organism of man and animals in Eastern Siberia and the Far East. O. V. Makeev, M. V. Efimov Izv. Sib otd. AN SSSR no. 7:109-111 '62.

SIBERIA, EASTERN—WOODY PLANTS BREEDING

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. [Breeding woody plants in Eastern Siberia] Selektsiia drevesnykh porod v Vostochnoi Sibiri. Moskva, Izd-vo "Nauka," 1964. 94 p.
(DNAL)

SIBERIA, WESTERN—ALUMINUM INDUSTRY—COSTS

Methods for calculating production costs of aluminum in case of simultaneous processing of alkaline aluminum silicates and other aluminous rocks E I Khazanov, V. G Karpov, V P Gukov Izv SO AN SSSR no 5. Ser obshchestv nauk no 2 39-44 '63

SIBERIA, WESTERN—COAL MINES AND MINING—COSTS

Production costs and prices of coal P I Potemkin. Izv. SO AN SSSR no 5 Ser obshchestv nauk no 2.29-38 '63

SIBERIA, WESTERN—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Quaternary sediments of Western Siberia. S. A. Strelkov, V. A. Martynov, B. V. Mizerov. Biul. Kom. chetv. per. no. 29:3-14 '64.

SIBERIA, WESTERN—GRAIN—FERTILIZERS AND MANURES

Physiological foundations for efficient use of herbicides and fertilizers in the grain fields of Western Siberia. V F. Al'tergot. Izv Sib otd. AN SSSR no 9:88-100 '62.

SIBERIA, WESTERN—INCENTIVES IN INDUSTRY

Improve the incentives in the output of new products V. I. Pandakov Izv. SO AN SSSR no. 5. Ser. obshchestv nauk no. 2 7-12 '63

SIBERIA, WESTERN—OIL RESERVOIR ENGINEERING

Dependence of the state of the bottom zone of a reservoir on the type of reservoir rock for regions in Western Siberia. V. A. Sidorovskii. Nefteprom. delo no. 5:10-14 '64.

SIBERIA, WESTERN—PEASANTRY

Characteristic features of the obligations of the peasantry in Western Siberia in the late 19th and early 20th centuries L. M. Goriushkin Izv SO AN SSSR no. 5. Ser. obshchestv nauk no. 2:99-111 '63.

SIBERIA, WESTERN—SOIL RESEARCH

Agrochemical soil research in Western Siberia. R. V Kovalev, V. B. Il'in. Vest AN SSSR 34 no. 6.61-64 Je '64.

SIBERIA, WESTERN—SOILS—TRACE ELEMENT CONTENT

Trace element content of soils in certain regions of Western Siberia A. S. Mikhailov. Izv Sib. otd AN SSSR no. 9 108-111 '62

SIBERIA, WESTERN—WEED CONTROL

Physiological foundations for efficient use of herbicides and fertilizers in the grain fields of Western Siberia. V. F Al'tergot. Izv. Sib otd. AN SSSR no. 9:88-100 '62.

SIBERIAN PLATFORM—FOLDS (GEOLOGY)

Southeastern fold margin of the Siberian Platform. IU. K. Dzevanovskii. Trudy VSEGEI 97:5-10 '64.

SIBERIAN PLATFORM—GEOLOGICAL TIME

Southeastern fold margin of the Siberian Platform. IU. K. Dzevanovskii. Trudy VSEGEI 97:5-10 '64.

SIBERIAN PLATFORM—GEOLOGY, STRUCTURAL

History of the formation of structures in the eastern regions of the Siberian Platform. A. V. Leipsig. Trudy VSEGEI 97:11-29 '64.

Structure of the conjugated zone in the northern part of the Siberian Platform with its marginal fold systems. I. P. Atlasov, N. A. Siagaev. Trudy VSEGEI 97:31-40 '64.

SIBERIAN PLATFORM—ROCKS, IGNEOUS

Igneous trap subprovinces in the Siberian Platform. V. L. Masaitis. Trudy VSEGEI 97:137-158 '64.

Underground waters of traps in the southwestern part of the Siberian Platform. I. S. Lomonosov, L. V. Murav'eva. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:116-124 '62.

SIBERIAN PLATFORM—WATER, UNDERGROUND

Some problems of the paleohydrogeology of the Siberian Platform [illegible] Faskov Mat Kom po izuch podzem vod Sib i Dal' Vost no 2:10-18 '62

Underground waters in the Yenisey Valley of the Siberian Platform [illegible] Shvartsev Mat Kom po izuch podzem vod Sib i Dal' Vost no 2 90-100 '62

Underground waters of traps in the southwestern part of the Siberian Platform I S Lomonosov, L V Muravieva Mat Kom po izuch podzem vod Sib i Dal' Vost no 2 115-124 '62

SIDERITE

[illegible] of hydrogen sulphide on the processes [illegible] V I Faarkovskii Sbor nauch [illegible] 51-54 '61

SIERRA LEONE—DESCRIPTION AND TRAVEL

City [illegible] lion hills V Korovikov Az i Afr seg 8 [illegible] '64

SIFOROV, VLADIMIR IVANOVICH, 1904-

Duty of a scientist and citizen V Kurbskii NTO 6 no.6 45-46 Je '64

V I Siforov, on his 60th birthday. Radiotekh.i elektron. 9 no 7:1322-1323 Jl '64.

SIKHOTE-ALIN RANGE—GINSENG

Growing ginseng on the northern boundary of the range (eastern slope of Sikhote-Alin'.) A.I.Sokolov. Mat.k izuch zhen' i drug lek rast Dal' Vost. no 5:71-73 '63

SILANE

Action of $HGe(C_2H_5)_3$ on diacetylene glycols in the presence of H_2PtCl_6. I M.Gverdtsiteli, M.A.Buachidze. Dokl.AN SSSR 159 no 1 147-150 S-O '64.

Adhesive composition based on furfurylhydroxysilanes. I.V.Kamenskii, I K Sanin, V.K Komlev. Plast.massy no 2,25-27 '64

Chemistry of organic oxides Part 23 Addition of methyldichlorosilane to bivinyl and isoprene oxides I E.Sharikova, V.M Al'bitskaia, A A.Petrov. Zhur. ob khim 34 no 7;2262-2267 Jl '64.

Determining chlorine combined with silicon in organochlorosilanes. B M.Luskina, A.P.Terent'ev, S.V Siavtsillo Plast massy no.2 62-63 '64.

Synthesis of organofluorosilanes. M G.Voronkov, IU.I. Skorik. Izv.AN SSSR Ser.khim no 7;1215-1221 Jl '64.

SILICA

Dehydration of hydrocarbon solvents with silica gel L V Talisman, V I Fomina, N I Korokhova Nefteper i neftekhim no 5 34-38 '63

Geometric modification of the skeleton of xerogels. Part 3. N.V Akshinskaia, A.V.Kiselev, IU.S.Nikitin. Zhur.fiz.khim. 38 no.2;488-490 F '64.

Phase equilibria in the system $Y_2O_3 - Al_2O_3 - SiO_2$. I A Bondar', F.IA.Galakhov Izv.AN SSSR.Ser.khim. no.7;1325-1326 Jl '64.

Products of interaction of silica with phosphoric acid. Chzhan Lin'-na [Chang Ling-na], E.S.Boichinova, O N. Setkina. Zhur.neorg.khim. 9 no.6;1472-1481 Je '64.

SILICATES

"High-temperature chemistry of silicate and other oxide systems" by N A Toporov V P Barzakovskii Reviewed by P P Budnikov Vest.AN SSSR 34 no 7 122-123 Jl '64

Self-induced deformations of silicate concrete during the manufacturing process B.Vektaris, J.Krikstopaitis. Trudy AN Lit. SSR.Ser.B no.1,243-251 '62.

Shrinkage of silicate concrete. B Vektaris, I Krikstopaitis Trudy AN Lit SSR. Ser B no 1 253-259 '62.

SILICIC ACID

Determination of silicon and phosphorus compounds in viscose titanium dioxide. A.V.Zholnin, V.A.Malevannyi. Khim.volok. no.3:61-62 '64.

SILICON

Operating conditions of charge-resistance furnaces in the production of silicon. S.I.Denisov. Met.i gornorud.prom. no.6;27-29 N-D '62.

SILICON—ELECTRIC PROPERTIES

Electric conductivity of chromium, silicon, and chromium disilicide in solid and liquid states. B.A.Baum, P.V. Gel'd, S.I.Suchil'nikov. Izv.AN SSSR.Met.i gor.delo no.2 149-155 Mr-Ap '64.

SILICON—PHOTOELECTRIC PROPERTIES

Anomalously large photovoltages in thin silicon films E I.Adirovich, V M.Rubinov, IU M IUabov Dokl AN SSSR 157 no 1 76-78 Jl '64

SILICON ALLOYS

Certain characteristics of the siliconizing of high-melting metals in vacuum. V.E Ivanov and others. Fiz. met.i metalloved. 17 no.6 862-865 Je '64.

SILICON-ALUMINUM ALLOYS see Aluminum-silicon alloys

SILICON CARBIDE

Negative magnetoresistance in hexagonal n-silicon carbide. M.Mirzabaev, V.M.Tuchkevich, IU.V. Shmartsev. Izv.AN SSSR.Ser.fiz. 28 no.8:1300-1305 Ag '64.

SILICON CARBIDE CRYSTALS—GROWTH

Characteristic structure of silicon carbide crystals of the cubic modification grown from the gaseous phase. S N.Gorin, A.A.Pletiushkin Izv.AN SSSR Ser.fiz. 28 no 8;1310-1315 Ag '64.

Growing silicon carbide crystals from the gaseous phase. IU.M.Shashkov, V.V.Rozhdestvenskaia. Rost krist. 4 117-131 '64.

SILICON CRYSTALS

Study of the purity and structural perfection of single-crystal silicon by measuring the Hall effect in whole ingots A S.Liutovich and others Izv.AN Uz SSR. Ser fiz.-mat nauk 7 no.5;90-94 '63.

SILICON CRYSTALS—GROWTH

Morphology of acicular, whisker and ribbon type silicon crystals. A V Sandulov, A.I.Andrievskii, M.I. Droniuk Rost krist 4 125-128 '64

Shapes of growth of germanium and silicon crystals grown from a gaseous solution. Rost krist. 4 122-124 '64.

SILICON DIODES

Effect of electrothermal treatment on the properties of silicon diodes. G B Abdullaev and others. Radiotekh. i elektron. 9 no.7;1281-1286 Jl '64.

Zelikman, G.A., and others. [Silicon transistor diodes and triodes, manufacture techniques] Poluprovodnikovye kremnievye diody i triody, tekhnologiia proizvodstva. Moskva, Izd-vo "Energiia," 1964. 183 p.

SILICON ISOTOPES

Energy levels of the Si^{28} nucleus. IU.P.Antuf'ev and others. Izv.AN SSSR.Ser.fiz. 28 no.7;1156-1160 Jl '64.

SILICON-MANGANESE ALLOYS—ELECTROMETALLURGY

Making silicomanganese from a single charge mixture on the basis of a 4th-grade manganese ore A T Khvichia, S G Samkharadze, G B Babitskii Trudy GPI [Gruz.] no 4 33-38 '62

SILICON ORGANIC COMPOUNDS

Addition of certain hydrogen-containing organosilicon compounds to vinyl derivatives of organocyclosiloxanes and isoprene. K.A.Andrianov and others. Dokl.AN SSSR 158 no.1,133-136 S-O '64.

Formation and reactions of silylenes, silicon analogs of carbenes. O M.Nefedov, M.N.Manakov. Zhur.ob. khim 34 no.7:2465-2467 Jl '64.

Rearrangement of α-trialkylsiloxyvinylalkyl esters to trialkylsilylacetic acid esters IU I Baukov, G S Burlachenko, I F.Lutsenko Dokl AN SSSR 157 no 1 119-121 Jl '64

Rheological properties of organosilicon enamel dyes. M.B.Fromberg. Trudy VEI 71:27-34 '63.

Silicones should be used in industry. A.Alent'ev. NTO 6 no 6,6-7 Je '64.

Synthesis of organosilicon derivatives of ferrocene containing the Si-H bond. N.S.Nametkin, T.I. Chernysheva, L.V.Babare. Zhur.ob.khim 34 no.7,2258-2262 Jl '64.

Telomerization of dimethylcyclosiloxanes. Report No.6: Reaction of hexamethylcyclotrisiloxane with methyldichlorosilane, methylvinyldichlorosilane, and methylphenyldichlorosilane. K A.Andrianov, V.V.Severnyi Izv.AN SSSR Ser.khim. no 7;1266-1271 Jl '64.

Use of gas-liquid chromatography in the analysis of halogen-containing organosilicon and organogermanium compounds. A.D.Snegova, L.K.Markov, V.A.Ponomarenko Zhur.anal.khim. 19 no.5;610-614 '64.

SILICON ORGANIC COMPOUNDS—SPECTRA

Proton magnetic resonance spectra of some metallo-organic compounds of silicon and germanium. A.N. Egorochkin and others. Izv.AN SSSR.Ser.khim. no.7; 1312-1313 Jl '64.

SILKWORMS

Heterogeneity of eggs laid by a single mulberry silkworm moth. E.G.Petrosian. Izv.AN Arm.SSR. Biol. nauki 15 no.12,53-59 D '62.

SILOXANES

Catalytic polymerization of organosiloxane oligomers in the presence of alkalies. Report No.1: Effect of the composition and method of preparing oligomers on the polymerization process A.I.Petrashko, A.A.Zhdanov, K.A.Andrianov. Izv.AN SSSR.Ser.khim. no.7;1276-1281 Jl '64.

Glass textolite based on phenol-formaldehyde resins modified by polyphenylaluminosiloxanes. K.A.Andrianov, IA.L.Shugal, E.Z.Asnovich. Plast.massy no.2; 44-46 '64.

Influence of the nature of polysiloxanes on their effect as additives to hydrocarbon lubricants. G.V.Vinogradov, N.S.Nametkin, M.I.Nosov. Neftekhimiia 4 no.2,346-350 Mr-Ap '64.

Intermolecular reaction between hydrogen chloride and siloxanes. K.K.Popkov. Plast.massy no.2;28-29 '64.

Poly-bis-(8-hydroxyquinoline)-titanomethylphenylsiloxanes. K.A.Andrianov and others. Soob.AN Gruz. SSR 33 no 3;557-564 Mr '64.

Polymorphism of molecules and complex ions in oxygen compounds of silicon and phosphorus. Report No.4: Phase transitions and conformations of the octamethylcyclotetrasiloxane $[OSi(CH_3)_2]_4$ molecule. A.N.Lazarev, T.F.Tenisheva. Izv.AN SSSR.Ser.khim. no.7: 1168-1177 Jl '64.

Polynaphthenoalumophenylsiloxanes. K.A.Andrianov, E.Z.Asnovich. Trudy VEI 71:7-12 '63.

Properties of siloxane rubber containing chloromethyl groups S.N.Borisov, V A Marei Kauch i rez 23 no 7 1-6 Jl '64

Telomerization of dimethylcyclosiloxanes. Report No.7: Preparation of dimethylsiloxane oligomers with functional groups in organic radicals K.A.Andrianov, V.V Severnyi. Izv.AN SSSR.Ser.khim. no.7;1271-1275 Jl '64.

Thermoxidative degradation of polyphenylpolydimethylsiloxanes. K.A.Andrianov and others. Plast.massy no.2;22-25 '64.

SILT

Calculation of silting of supported headraces of hydroelectric power stations. V.A Skryl'nikov Vop gidr no 13 87-104 '63

SILVER-ALUMINUM ALLOYS see Aluminum-silver alloys

SILVER BROMIDE—ABSORPTION SPECTRA

Exciton absorption of light in silver bromide. S.G. Ryzhanov Opt.i spektr. 17 no.2;294-295 Ag '64.

SILVER BROMIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Excitation and extinction of photoconductivity in AgBr single crystals. K.N.Loskutov. Izv.vys.ucheb.zav., fiz. no.4:143-146 '61

SILVER SULFITE—ELECTRIC PROPERTIES

Thermal decomposition of silver sulfite containing [illegible] and VO_3^- admixtures. IU.A.Zakharov, G.G.Savel'ev. Kin.i kat. 5 no.2;345-347 Mr-Ap '64.

SILVERSMITHING see subdivision under Azerbaijan

SIMFEROPOL'—SHOE INDUSTRY—MANAGEMENT

Volunteer brigade leaders. L.Zubkov. Sov.profsoiuzy 20 no.14;38-39 Jl '64

SIMILITUDE, THEORY OF

Expressing quality by the methods of the similitude theory A Koronkovich. Vop.filos. 18 no 7:73-81 '64

Similitude criteria for processes in hydrocyclones. V I Zaitsev. Izv.vys ucheb zav., neft' i gaz 5 no 10 77-82 '62

Use of analog computers in the study of electromagnetic and electromechanical instability of an electrical system. N.D.Anisimova. Izv.vys.ucheb zav., energ 7 no.7 80-84 Jl '64.

SIMMENTHAL CATTLE

Age-related changes in the weight of the skeleton and muscles of Simmenthal cattle. D.I.Levantin. Trudy VIZH 25;34-47 '63.

SIMONOV, EVGENII

The director and his heroic theme. IU.Rybakov. Teatr 24 no.8:27-40 Ag '63.

SIMONOV, NIKOLAI KONSTANTINOVICH, 1901

N.Simonov, Russian tragedian. N.Berkovskii. Teatr 24 no.8;51-61 Ag '63.

SIMONOVA, NINA

Talent and character. Teatr 24 no.12:62-63 D '63

SIMULATION METHODS

Modeling the system of the "track-network-ground-network of underground structures." V.N.Tkachenko Gaz.delo no.6;24-28 '64.

Simulation of the systems of railroad automation by means of digital computers. V.A.Mikheev. Vest. TSNII MPS 23 no.4;57-60 '64.

SINKHOLES see subdivision under Severoural'sk (Sverdlovsk Province)

SINKIANG—COMMERCE—GREAT BRITAIN

British and Russian commerce with Sinkiang during the first half of the 19th century. V.S.Kuznetsov Izv.AN Kazakh SSR.Ser.obshchestv.nauk no.6;20-30 '64

SINKIANG—COMMERCE—RUSSIA

British and Russian commerce with Sinkiang during the first half of the 19th century. V.S.Kuznetsov. Izv.AN Kazakh SSR.Ser.obshchestv.nauk no.6;20-30 '64

SINTERING

Investigating the phase constitution of sinters from Dashkesan magnetites. A.T.Khvichia, S M.Mamnishvili, M.Sh Mindeli. Trudy GPI [Gruz.] no.4:5-10 '62.

Preparing a complex sinter from Dashkesan iron ores A.K.Arobelidze. Trudy GPI [Gruz.] no.4:113-120 '62

Production and use of highly basic, open-hearth furnace sinters from Dashkesan iron ore N.V.Kashkashvili and others. Trudy GPI [Gruz.] no.4;25-32 '62

SINTERING (Continued)

Studying the gaseous phase in the production of ore-coke A T.Khvichia, S G Samkharadze, Z A Muradova. Trudy GPI [Gruz.] no 1 169-198 '62

Temperatures of sinter softening. S.P.Efimov. Izv. vys.ucheb.zav.; chern.met. 7 no.7;36-42 '64.

SINTERING—EQUIPMENT AND SUPPLIES

Flow sheet for automatically maintaining gas mixtures in sintering machines G.V.Bakhtin. Met.i gornorud prom. no.6;68-69 N-D '62

Rectilinear sinter cooler V A.Khitchek. Met.i gornorud.prom. no.6;82-83 N-D '62.

SITOSTEROL

Esters of β-sitosterol. E.M.Balonova, A.M.Khaletskii, V.G.Pesin. Zhur.ob.khim. 34 no.7;2157-2160 Jl '64.

SIVASH REGION—PEPPERGRASS

Peppergrass (Cardaria Draba (L.) Desv.) as a dangerous field weed in arid steppes. A.A.Mordovets. Bot.zhur. 49 no.7;1057-1060 Jl '64.

SIVATHERIIDAE

Paleobiological study of Sivatheriinae. G.K.Meladze. Soob.AN Gruz.SSR 33 no.3;597-600 Mr '64.

SKIN—CANCER

Study of histochemical changes in the fibrous structures of the dermis in the process of chemical cancerogenesis. L.K.Sharashidze, R.V.Bulusashvili, R.M.Kochiakidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11: 103-110 '63.

Tumors of the skin in rats caused by 9,10-dimethyl-1,2-benzanthracene. V.S.Turusov. Arkh.pat. 26 no.2: 44-50 '64.

SKIN—CARE AND HYGIENE

Daily life, health, occupation. Sov.profsoiuzy 20 no.16: 46 Ag '64

SKIN—DISEASES

Arutiunov, V.IA., and P.I.Golomba. [Hemodermatoses] Gemodermii. Moskva, Meditsina, 1964. 302 p.
(DNLM)

Autoantibodies in some dermatoses detected by the indirect Coombs' test. S.Stoianov, I.Ivanov. Vest.derm.i ven. 38 no.1;18-21 Ja '64.

Effect of radioactive isotopes in some dermatoses. A.V.Braitsev, A.S.Borzabotnov. Med.rad. 7 no.9;51-55 S '62.

Free amino acids in the blood and urine of patients with some forms of dermatosis. V.P.Volkov. Vest.derm.i ven. 38 no.1;9-16 Ja '64.

Lyell's syndrome. I.S.Popov, E.M.Turytsina, Z.S.Bondar'. Vest.derm.i ven. 38 no.1;26-29 Ja '64.

Perhydrol in the treatment of some chronic dermatoses. M.M.Guseinov and others. Vest.derm.i ven. 38 no.1;32-33 Ja '64.

Prevention of occupational dermatoses in workers of the Krasnodar Plant of Measuring Instruments. M.A.Karageziau, V.P.Nesterova, K.A.Vatul'ian. Nauch trudy Kub.gos.med.inst 19:40-47 '62.

Prevention of skin diseases in the workers of the "Oktiabr'" Plant. M.A.El'fond, N.P.Platonova. Nauch.trudy Kub.gos.med.inst. 19:48-56 '62.

Rheumatic fever and the skin. M.A.Shteinberg, IA.A.Cherikover. Vest.derm.i ven. 38 no.1;22-25 Ja '64.

X-ray therapy of chronic eczemas and neurodermatitis. N.A.Pereslent, IU.I.Karibov, M.L.Zil'bergol'ts. Med.rad. 7 no.9;46-50 S '62.

SKIN—INNERVATION

Age morphology of human skin exteroceptors. K.K.Sergeev. Arkh.anat.gist.i embr. 45 no 11:36-45 N '63.

Morphophysiological analysis of changes in desympathized skin. N.G.Khrushchov. Biul.eksp.biol.i med. 55 [i.e. 56] no.10;105-109 O '63.

SKIN—NECROSIS

Single-stage plastic surgery on the skin of the scrotum and penis in Fournier's disease. V.V.Barkaev. Urologiia no.1;57-59 '64.

SKIN—TUBERCULOSIS

Book reviews. V.A.Suvorov, P.Kozhevnikov, A.A.Shtein. Vest.derm.i ven. 38 no.1;63-66 Ja '64.

SKIN—TUMORS

Treatment of keloids. A.A.Adamian, A.G.Adamian. Vop.rent.i onk. 7.365-369 '63.

SKIN—WOUNDS AND INJURIES

Investigations of the regeneration of vessels in a skin wound as an objective method of evaluation of the changes in the healing process following X-ray irradiation. Z.Kharvat, IU.Shmagel'. Med.rad. 8 no.12; 47-50 D '63.

SKIN GRAFTING

Activity of some enzymes of the skin in tissue transplantations in hypothermia. M.I.Tedlashvili, G.V.TSitskishvili. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11;35-39 '63.

Single-stage plastic surgery on the skin of the scrotum and penis in Fournier's disease. V.V.Barkaev. Urologiia no.1;57-59 '64.

SKIS AND SKIING

Comparative analysis of the jumping technique of Soviet and foreign jumpers. E.A.Grozin Teor.i prak.fiz kul't. 27 no.5;19-22 My '64.

Maximal use of oxygen by Olympic skiers. V.V.Mikhailov, I G.Ogol'tsov. Teor.i prak.fiz.kul't. 27 no.5; 16-18 My '64.

Racing skiers and dual contestants of the U.S.S.R. at the Ninth Winter Olympic Games. M.A.Agranovskii. Teor.i prak.fiz.kul't 27 no.4:16-23 Ap '64.

[Skiing; a manual for trainers] Lyzhnye gonki; uchebnoe posobie dlia trenerov. Moskva, Fizkul'tura i sport, 1964. 201 p.

SKULL—BLOOD SUPPLY

"Postnatal development of diploetic veins in the human skull base and their connections" by P.N.Koryt'ko. Reviewed by G.F.Baiko. Arkh.anat.,gist.i embr. 43 no.8;119-121 Ag '62.

SKYHOOKS see Mine roof bolting

SLAG

Oxidation kinetics of molten slags. P.M.Shurygin, M.A.Sherstobitov, L.N.Barmin. Sbor.nauch.trud.Ural.politekh.inst. no.126;85-94 '63.

Use of open-hearth slags as fertilizer. A.S.Fefer, A.N Morozov, Z.I.Bulatova Stal' 23 no.4:289-291 Ap '64.

SLAG—ANALYSIS

Liquative electric smelting of Dzhezkazgan copper concentrates with the production of high calcium slag A I. TSeft and others Trudy Inst met i obog AN Kazakh.SSR 8:40-49 '63

Making use of waste slags obtained in the production of silicomanganese A T.Khvichia, S G Samkharadze Trudy GPI [Gruz.] no 4 39-42 '62

Nitrogen solubility in iron-free slags. V.M.Kamyshov, O.A.Esin, S.K.Chuchmarev. Izv.vys.ucheb.zav.; chern.met. 7 no.7;24-28 '64.

SLASH (LOGGING)

Investigating the yield of processable pine and spruce twigs as a result of logging operations. M.V.Puchkov Izv.vys.ucheb.zav.; les.zhur. 6 no.3:149-152 '63.

SLATE

New standard forms of original accounting for the production in the coal and slate industries. V Gur'ev Vest stat. no 6 78-81 '64

SLAVIC LANGUAGES—GRAMMAR, COMPARATIVE

J.W.Pause and his Slavic-Russian grammar. D.E.Mikhal'chi. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1; 49-57 Ja-F '64.

SLAVIC LANGUAGES—MAPS

On a general Slavic linguistic atlas. Vop.iaz. 12 no.4; 41-44 Jl-Ag '63.

SLAVIC LANGUAGES—SYNTAX

Main problems in the comparative and historical study of syntax of the Slavic languages. J.Bauer. Vop.iaz. 12 no.4;4-13 Jl-Ag '63.

SLAVIC MANUSCRIPTS see Manuscripts, Slavic

SLAVIC STUDIES—CONGRESSES

Fifth International Congress of Slavists. Izv.AN SSSR. Ser.lit.i iaz. 23 no.1:68-72 Ja-F '64.

Greeting the 5th International Congress of Slavists. Vop.iaz. 12 no.4;3 Jl-Ag '63.

In the Historical Philological Section of the Fifth International Congress of Slavists I A.Khrenov. Vop.ist. 39 no.7,172-173 Jl '64.

SLEEP

Study of vascular conditioned and unconditioned reflexes during various phases of the higher nervous activity A.M.Ovsepian. Zhur.eksp.i klin med 4 no.2;15-25 '64.

SLEEP THERAPY

Use of pulsating electrical current (electrosleep) in the treatment of pregnancy toxemias. M.D.Pasternak. Akush.i gin. 40 no.1;69-74 Ja-F '64.

SLEPTSOV, VASILII ALEKSEEVICH, 1836-1878

Unknown pages of Sleptsov. V.Pavlova. Nov.mir 40 no.2;264-266 F '64.

SLIDE RULE

Panov, D.IU. [Slide rule] Schetnaia lineika. Izd. 17., isp. Moskva, Izd-vo "Nauka," 1964. 167 p.

SLOBODSKOY (KIROV PROVINCE)—FUR WORKERS

In the land of song; a sketch. A.Emel'ianov. Sov.profsoiuzy 20 no.14 40-42 Jl '64.

SLOVAKIA—BLOOD CIRCULATION, ARTIFICIAL

[illegible] khir. [illegible]

SLOVAKIA—WORLD WAR, 1939-1945

Heroic pages from the history of Slovakia Jan KYen. Nov.vrem. 22 no 35;5-7 Ag '64.

Twentieth anniversary of the Slovak uprising. Miroslav Lukavsky. Mezhdunar.zhizn' 11 no.9 122-123 S '64

SLYUDYANKA REGION (IRKUTSK PROVINCE)—WATER, UNDERGROUND

Hydrogeological conditions and the water encroachment of mineral deposits in the Slyudyanka mining region I.A.Livshin, B.I.Pisarskii. Mat.Kom po izuch podzem.vod Sib.i Dal' Vost. no 2;146-153 '62

SMELTING—HANDBOOKS, MANUALS, ETC.

Samarin, A.M., ed. [Steelmaking; a handbook] Staleplavil'noe proizvodstvo; spravochnik. Moskva, Metallurgiia.
Vols. 1-2. 1964. 2 v.

SMELTING—TESTING

Carbon oxidation in a steel smelting bath. P.G.Terzian, E.V.Abrosimov, M.P.Sabiev. Izv.vys ucheb.zav., chern.met. 7 no.7;63-68 '64.

SMELTING FURNACES

Analysis of heat conditions in the thermal treatment of a material in a smelting cyclone. V A Emel'ianov, A D. Kliuchnikov Izv.vys ucheb.zav., energ 7 no.7:41-47 Jl '64

Smelting cast iron in coke-gas cupolas IU.N.Khil'shtein. Gaz delo no.3 30-33 '63.

SMIRNOV, SERGEI VASIL'EVICH, 1913-

Guards poet. L.Efremova. Sov.voin 46 no.9;13 My '64.

SMOLENSK PROVINCE—COMMUNIST YOUTH LEAGUE

[March forward, Communist Youth League generation] Shagai vpered, komsomol'skoe plemia, sbornik materialov. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 550 p.
(CSt-H)

SMUTS

What organs of corn are attacked by common smut. N.I.Salunskaia. Bot.zhur. 49 no.7;1032-1035 Jl '64.

SNOW see subdivision under Medvenka Valley, Russia, Asiatic

SOAKING PITS see Furnaces, Heating

SOAP

Aromatization of toilet soap A.IA.Kliueva. Masl.-zhir.prom. 30 no.7;26-28 Jl '64.

SOBOLEVSKAIA, KIRA ARKAD'EVNA, 1912-

Professor K.A.Sobolevskaia; on her 50th birthday. Izv Sib.otd.AN SSSR no.12 149-150 '62

SOCHI—HEALTH RESORTS, WATERING PLACES, ETC.

[illegible] of [illegible]versary of the Sochi Scientific Research Institute of Health Resort Therapy and Physiotherapy] Tezisy dokladov. Sochi, Sochinskii nauchno-issl.in-t kurortologii i fizioterapii, 1962. 138 p.
[DNLM MICROFILM]

SOCIAL CLASSES see subdivision under Europe, Eastern

SOCIAL CONFLICT

(see also subdivision under Uruguay)

Criticism of Toynbee's theory of classes. G.D.Chesnokov. Nauch.dokl.vys.shkoly; filos.nauki 7 no.1;56-63 '64.

SOCIAL ETHICS

Aznaurov, A.A. [Essays on the ethics of great Russian revolutionary democrats] Ocherki po etike velikikh russkikh revoliutsionnykh demokratov. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 277 p.

SOCIAL INSURANCE see Insurance, Social

SOCIAL PROBLEMS see subdivision under Latin America; Segezha (Karelia)

SOCIAL SCIENCE RESEARCH

(see also subdivision under Karaganda Province)

Dialectical logic in economic research. E.V.Il'enkov, A.Kh.Kasymzhanov, M M Rozental' Vop filos. 18 no.7:165-168 '64

Methodological role of theory at various stages of social research. G.M Andreeva. Vop.filos. 18 no.7:14-25 '64

SOCIAL SCIENCES

(see also subdivision under Chuvashia)

Kazan. Universitet. [Collection of postgraduate student works; social sciences] Sbornik aspirantskikh rabot; obshchestvennye nauki. [Kazan] 1963. 332 p.
(CSt-H)

SOCIAL SCIENCES (Continued)

Scientific foresight and the guidance of social development V. N. Rel'kas'kov Uch zap kaf obshchestv nauk vuz g Len, Filos no 4 17-32 '63

Shakhnazarov, G Kh, and others [Social science; a textbook for the graduating class of secondary and secondary specialized schools] Obshchestvovedenie, uchebnik dlia vypusknogo klassa srednei shkoly i srednikh spetsial'nykh uchebnykh zavedenii Izd 2 Moskva, Politizdat, 1964 398 p

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—STUDY AND TEACHING

Connections between subjects during the study of a course I K Lysenko and others Rad shk 42 no 4 80-86 Ap '64

Letter to the editors Vop filos 18 no 7 172 '64

Life experience and the study of social sciences. P. P Kaisin. Vech. sred. shkola 7 no. 2 55-57 Mr-Ap '64

Life itself comes to the class in social sciences V. O Branits'kyi, O. O Hulko Rad shk 42 no. 4 86-87 Ap '64

Use of diagrams in studying the first topic of social science I. M. Klimnev. Vech. sred shkola 7 no. 2 58-60 Mr-Ap '64.

SOCIAL SCIENCES—TEACHER TRAINING

Aid to social science teachers A Solodovnikov Nar obr no 8 10-12 Ag '64

SOCIALISM see subdivision under Germany, Kazakhstan

SOCIALIST COMPETITION

(see also subdivision under Chuvashia, Iskitim, Novosibirsk Province, Odessa)

Baranova, Z P., and others. [Factory of communist labor] Fabrika kommunisticheskogo truda Moskva, Izd-vo "Znanie," 1964 47 p. (Novoe v zhizni, nauke, tekhnike I Seriia Istoriia, no 14)

The beginning of mass socialist competition V. I. Kuz'min. Vop. ist. KPSS 8 no 8 106-110 Ag '64

Book on three generations of shock workers A I Lutchenko Vop ist 39 no 7 128-130 Jl '64

Effect of the communist labor movement on the development of production I I Komogortsev Izv SO AN SSSR no 5 Ser obshchestv nauk no 2 86-98 '63

In the Collegium of the Central Statistical Administration of the U S S R K Podluiskii Vest stat no 8 74-77 '64

The show-off A Eventov Sov profsoiuzy 20 no 16 14-15 Ag '64

Socialist competition for an increase in labor productivity in industry during the years of the fifth five-year plan based on materials from the Latvian S S R D M Zen'kovich Uch zap Petrozav gos un 11 no 1 37-59 '62

Socialist competition in the military hospital. E. R. Gvazava. Voen.-med. zhur. no. 1.10-12 '63.

We are struggling for the title of a communist labor collective A Baturin Vest stat no 8 51-52 '64

SOCIALIST PARTY see subdivision under Nigeria

SOCIALIST PROPERTY

Buldakov, V. P [Equality now and under communism] Ravenstvo seichas i pri kommunizme. Perm', Permskoe knizhnoe izd-vo, 1960 53 p. (Besedy o kommunizme)

[MICROFILM]

Gnoseological roots of the revisionist views on socialist property. V. N. Mazur. Trudy kaf. obshchestv. nauk OEIS no. 3 154-163 '62.

Toustsik, A. A. [Mine and ours] Mae i nasha. Minsk, Derzh. vyd-va BSSR, 1963. 28 p. (Hutarki na maral'na-etychnyia temy)

SOCIALIST REALISM

Volkov, I. F. [Socialist realism] Sotsialisticheskii realizm. Moskva, Iskusstvo, 1962. 94 p.
(NIC)

SOCIOLOGY

Methodological role of theory of various stages of social research G M Andreeva Vop filos 18 no 7 14-25 '64

Soviet sociological research in the period after Stalin's death, a critical review. S. S. Voronitsyn. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 51/52 35-43 N-D '63.

SODA INDUSTRY

Combining the production of calcium chloride and soda R G Pushkar Khim prom [Ukr] no 3:65-67 Jl-S '63.

New coagulating agents for the acceleration of brine purification in the production of soda M M Savits'ka and others Khim prom [Ukr] no 3 32-35 Jl-S '63

Purification of waste waters from the washing of the electric filters of lime kilns. P. A. Podosynkin and ohters. Khim. prom. [Ukr.] no. 3:82-84 Jl-S '63.

SODIUM ACETATE

Determining sodium acetate content of polyvinyl alcohol by the conductometric method. D. B Gurvich, V. A. Balandina, R. V. Kosmakova Plast massy no. 2:69-71 '64.

SODIUM ALLOYS

Chemical interaction and electrodiffusion in liquid sodium alloys [with summary in English]. S. I. Drakin, T. N. Sergeeva, A. I Trepakov. Zhur. fiz. khim. 38 no. 2 321-324 F '64.

SODIUM ALUMINATES

Phasic composition of products of the interaction of β-dicalcium silicate with soda-aluminate solutions A S Berger M D Tokreva Izv Sib otd AN SSSR no 9 71-79 '62

SODIUM ALUMINUM HYDRIDE

Interaction of boron trifluoride with sodium aluminum hydride. L. I. Zakharkin, D. N. Maslin, V. V. Gavrilenko. Zhur. neorg. khim 9 no. 6:1350-1357 Je '64.

SODIUM BROMIDE—PHYSIOLOGICAL EFFECT

Increasing the resistance of the nervous system of white mice to the inhibitive effect of sodium bromide by the administration of ginseng, dibazol and carline thistle E E. Belen'kii, V. E. Kolla Mat. k izuch. zhen'. i drug. lek rast Dal' Vost no. 5:119-122 '63.

SODIUM CARBONATES

Phasic composition of products of the interaction of β-dicalcium silicate with soda-aluminate solutions A S Berger M D Tokreva Izv Sib otd AN SSSR no 9 71-79 '62

SODIUM CYANIDE—TOXICOLOGY

Central and peripheral effects of sodium cyanide. O. F. Kvasenko. Farm. i toks. 25 no. 6.746-749 N-D '62.

SODIUM FLUORIDE

Formation of the ternary complex in the system iron-xylenol orange-fluoride A. K. Babko, M I. Shtokalo Dop AN URSR no. 8:1077-1080 '64.

SODIUM FLUOSILICATES

Effect of sodium fluosilicate on the viscosity of the clinker liquid phase. P. P. Budnikov, N. V. Shakhmagon, Z. B. Entin. TSement 30 no. 1:6-8 Ja-F '64.

Precipitation of sodium fluosilicate from solutions of fluosilicic acid by sodium sulfate G E. Dmitrievskii, N M Dovzhenko. Nauch ezhegod Khim. fak Od un no. 2 49-51 '61

SODIUM HYDROXIDE

Composition of the solid phase during the interaction of nepheline syenite with caustic soda solution. M. G. Manvelian, A. K. Nadzharian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:589-599 '63.

SODIUM IN THE BODY

Interrelation of free radicals with the active transfer of sodium ions in the skin of frogs Z. P. Kometiani Biofizika 8 no 1:40-44 '63

SODIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Changes in gastric secretion in peroral administration of radioactive sodium. S. R Perepelkin. Med. rad. 8 no. 12:38-42 D '63.

SODIUM PYROSULFITES

Obtaining sodium pyrosulfite by the sulfite-lime method. L. S. Efimenko, A. Ashirova, A. Atadzhanov. Izv AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 2 24-29 '63

SODIUM SILICATES

Crystallization of sodium silicate glasses at high temperatures. V. A. Florinskaia and others. Zhur. fiz. khim. 38 no. 2:472-477 F '64.

Use of sodium silicate as thickener in LNT-a chloroprene latex. V. L. Raiatskas, I. P. Shal'chute. Kozh.-obuv. prom. 6 no. 7:24-26 Jl '64.

SODIUM SULFATES

Precipitation of sodium fluosilicate from solutions of fluosilicic acid by sodium sulfate. G. E. Dmitrievskii, N. M Dovzhenko Nauch. ezhegod. Khim. fak. Od un. no. 2 49-51 '61

Study of the qualities of sodium sulfate and potash as additions for concrete hardeners. T. S. Larionova, K V. Rapoport. Sbor. nauch. trud. NII po strol. ASiA no. 4:98-107 '63.

SODIUM SULFIDES

Some properties of chemical compounds in the system Cu_2S - Na_2S. N. I. Kopylov and others. Zhur. neorg. khim. 9 no. 6:1403-1405 Je '64.

SODIUM SULFITES

Effect of sodium sulfite on viscose property changes during ripening. E. B. Veldeman, E. A. Bykova, A. I. Meos. Khim. volok. no. 3:32-34 '64.

SODIUM TRIPHOSPHATES

Determination of calcium and magnesium in the blood serum using sodium tripolyphosphate. E. I. Galkina, S. F. Zavgorodnyi. Vop. med. khim. 9 no. 2:207-209 Mr-Ap '63.

SODIUM ZIRCONIUM SILICATE

Reaction of sodium zirconium silicate with water under hydrothermal conditions. V. G. Chukhlantsev, IU. M. Polezhaev. Zhur. neorg. khim. 9 no. 6:1358-1362 Je '64.

SOFIA—LIBRARIES

National library L Taseva. Bibliotekar' no 7:59 Jl '61

SOFT DRINKS

Continuous process for the production of soft drinks. V V. Rudol'f. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10:109-122 '63.

SOFT DRINKS—ANALYSIS

Calculation of the correction for the partial air pressure in determining carbon dioxide content of carbonated beverages with the manometric method. L G Shmidt. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10:27-31 '63.

SOFT DRINKS—PRESERVATION

Improving the keeping quality of soft drinks. L. I. Cheken, O. I. Korochkina, T. R. Storchevaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 10:97-109 '63.

SOIL, PODZOLIC see Podzol

SOIL AERATION see subdivision under Kostroma Province

SOIL BINDING

I D Braude's book "Binding and reclaiming gullies, ravines, and steep slopes." T. F. Antropov. Pochvovedenie no. 7:118-122 Jl '64.

SOIL CONSERVATION see subdivision under China

SOIL FAUNA

(see also subdivision under Salair Ridge)

Interrelationships between soil fauna and microflora. Report No. 2. L. S. Kozlovskaia, E. N. Zhdannikova. Izv. Sib. otd. AN SSSR no. 7:79-88 '62

SOIL FERTILITY see subdivision under Gorki Leninskiye region

SOIL FUNGI

Cellulose-decomposing soil fungi. I G Konevalova. Bot. zhur. 49 no. 5 715-720 My '64

Effect of some herbicides on soil mycoflora. E. S. Lebed' Nauch. dokl. vys. shkoly; biol. nauki no. 1:171-176 '64.

Mycoflora of the rhizosphere in meadow symbiotrophic plants. E. S. Lisina. Nauch. dokl. vys. shkoly; biol. nauki no. 3:165-170 '64.

SOIL INOCULATION

(see also subdivision under Kostroma Province)

Simultaneous placement of trace elements and bacterial fertilizers. P. I. Kurguzov. Agrobiologiia no. 1:142-143 Ja-F '64.

SOIL MECHANICS

Distribution of stresses in a granular soil foundation. R. A. Muller. [Trudy] VNIMI no. 47:100-106 '62.

Effect of the artificial lowering of the underground water level on the condition of the earth's surface. I. V. Garmonov, A. A. Konoplianisev. Razved. i okh. nedr 30 no 2:46-49 F '64.

Effect of the concentrated force applied to the soil surface on a bulkhead. P. P. Chebota. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:99-101 '63.

Effect of the height of a sample and the shear zone on the share strength of a soil. S. R. Meschian. Dokl. AN Arm. SSR 39 no. 1:7-11 '64.

Nature of the phenomena of heaving in clay rocks in Moscow Basin mines. V. D. Lomtadze. Zap. LGI 48 no. 1:12-24 '63.

Nomograms for solving problems of the statics of ground masses. N. K. Zvonarev. [Trudy] VNIMI no. 47:59-76 '62.

Soil pressure on bulkheads at small angles of internal pressure. N. Van-Tacho. Inzh. zhur. 4 no. 2:346-356 '64.

SOIL MICRO-ORGANISMS

(see also subdivision under Amu Darya Valley; Baraba Steppe; Kulunda Steppe; Soviet Central Asia)

Effect of continuous crop rotation, monocultures, and fertilization on the composition of soil microflora. E. N. Mishustin, E. Z. Tepper. Izv. TSKhA no. 6:85-92 '63.

Effect of the products of microbial metabolites on the energy of seed germination. IU. M. Vozniakovskaia, U. S. Nurzhanov. Agrobiologiia no. 1:80-85 Ja-F '64

Interrelationships between soil fauna and microflora. Report No. 2. L. S. Kozlovskaia, E. N. Zhdannikova. Izv. Sib. otd. AN SSSR no. 7:79-88 '62.

SOIL MOISTURE

(see also subdivision under Kostroma Province; White Russia)

Cherniak, G. IA. [Dielectric methods for studying the moisture of soils] Dielektricheskie metody issledovaniia vlazhnykh gruntov. Moskva, Izd-vo "Nedra," 1964. 127 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. Trudy, no. 5)

SOIL MOISTURE (Continued)

Concerning A.A.Rode's review. V V Rakhmanov. Meteor i gidrol no 6 53-56 Je '64.

Movement of water in saturated and unsaturated soils. F.E.Koliasev. Biul.nauch -tekh.inform po agron.fiz no.5/6,61-62 '59.

Observations on soil moisture. N.M.Ushenina, N.D. Stepanov. Meteor.i gidrol. no.8;43 Ag '64.

Rapid method of determining the rolling boundary. IU.M.Vasil'ev. Pochvovedenie no 7;105-106 Jl '64.

Using the thermograms of drying to determine the hydrophysical properties of soil. I E.Ermakov. Biul.nauch -tekh.inform.po agron.fiz no.5/6;22-31 '59.

SOIL MOISTURE—MEASUREMENT

Apparatus for soil moisture measurements used in England. F.E.Koliasev. Biul.nauch.-tekh.inform.po agron.fiz. no.5/6;63-65 '59.

SOIL PARTICLES

Group and chemical composition of soil particles smaller than 0.01 mm of size in a continuous field experiment. B.A.Dospekhov, A.A Shaimukhametova. Izv.TSKHA no.6;74-84 '63.

SOIL PERCOLATION

Silt deposition in the end face region around a well. N.N.Verigin. PMTF no.2;74-80 Mr-Ap '64

SOIL PERCOLATION—BOUNDARY VALUE PROBLEMS

Solvability of percolation problems with free boundaries. V.N.Monakhov. Dokl.AN SSSR 156 no.6;1320-1322 Je '64.

SOIL POLLUTION

Development of thermal power engineering and the protection of atmospheric air, lakes, rivers, and soil from pollution. N G.Zalogin. Teploenergetika 11 no 7 2-6 Jl '64

SOIL RESEARCH see subdivision under Siberia, Western

SOIL SCIENCE—CONGRESSES

First National Conference of Cuba Soil Scientists. IA.I Rautenshtein Vest AN SSSR 34 no.7 99-100 Jl '64.

SOIL STABILIZATION

Compacting soils by electric discharges. G.M Lomize, IA.D.Gil'man. Trudy Giprovodkhoza no.22;155-162 '63.

Elements for stabilizing the slopes of earthen reclamation structures. G.L.Dolgopolov. Trudy Giprovodkhoza no.22;116-136 '63.

Raising the supporting power and stability of foundation beds in buildings by means of soil stabilization. N.N. Belov. Sbor.nauch.rab.AKKH no 16;42-52 '62.

Using electric silicification for strengthening fine sand. N.N.Belov Sbor.nauch rab.AKKH no.16 29-41 '62

SOIL TEMPERATURE

Thermometer for measuring the extreme and standard temperatures in the depth of a tillering node. L.A. Shestopalov, S.F.Antipov. Meteor.i gidrol. no.8; 44-46 Ag '64.

SOILS

(see also subdivision under Archangel Province; Latvia; Tajikistan)

All-Union Conference on the Theory of Solids V.Agranovich. Atom.energ 17 no.2;152-153 Ag '64.

Diffuse radiation received by a ridged surface of soil. E.P.Riabova. Biul.nauch.-tekh.inform.po agron.fiz. no.5/6;36-39 '59.

SOILS—ABSTRACTS

[Soil science] Ref.zhur.: Pochv. nos.15-16 Ag '64. Avtorskii ukazatel' za 1963 g.

SOILS—ANALYSIS

Effect of dehydration of soil samples on the content of readily soluble phosphoric acid. G.B.Babaian, O.B. Gasparian. Izv.AN Arm.SSR Biol.nauki 16 no.12;75-80 D '63.

Problems in determining the nutrient requirements of plants. K P Magnitskii. Agrokhimiia no.1;129-140 Ja '64.

Separation of strontium and calcium in the radiochemical analysis of soils. G.G.Glonti. Zhur.anal.khim. 19 no.5;637-639 '64.

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CLASSIFICATION

Nikolenko, G.S. [Economic valuation of land] Ekonomicheskaia otsenka zemli. Alma-Ata, Kazsel'khozgiz, 1964. 153 p.

SOILS—COMPOSITION

Agrochemical condition of soils and the use of mineral fertilizers. A.V.Sokolov. Agrokhimiia no.1;12-22 Ja '64.

Biogenic accumulation of chemical elements in soils. A.L Kovalevskii. Izv.Sib.otd.AN SSSR no.9,112-115 '62.

SOILS—IODINE CONTENT

Iodine in agricultural chemistry. M V.Katalymov. Agrokhimiia no 1 69-80 Ja '64

SOILS—MAPS

(see also subdivision under Italy; Turkmenistan)

Mapping the soil cover. F.Novak. Pochvovedenie no 7·104-105 Jl '64.

SOILS—MICROBIOLOGY

Biological activity and the composition of the air of the plowing layer of the soil. L N.Abrosimova, I B. Revut. Pochvovedenie no 7·34-45 Jl '64

SOILS—MOLYBDENUM CONTENT

Effect of the various amounts of lime on the available molybdenum content of soil and the effectiveness of molybdenum fertilizers. G.A.Selevtsova. Khim.v sel'.khoz. 2 no 4·13-16 Ap '64.

SOILS—NITROGEN CONTENT

Biochemical processes in virgin and reclaimed peat-bog soils. T.F.Golub. Pochvovedenie no.7·45-54 Jl '64.

Effect of a methodical use of fertilizers in crop rotations on the nitrogen content of soils. P.M.Smirnov Izv. TSKHA no.6 93-103 '63.

SOILS—PHOSPHORUS CONTENT

(see also subdivision under Central Chernozem region)

Phosphates in continuously fertilized soils B A. Dospekhov. Izv TSKHA no.6 104-112 '63

S.N.Ivanov's book "Physicochemical conditions of phosphates in peat and turf-Podzolic soils." D.L. Askinazi. Pochvovedenie no.7;114-116 Jl '64.

SOILS—POTASSIUM CONTENT

Forms of potassium in soils fertilized over a period of many years A V.Peterburgskii, V.V.IAnishevskii. Izv TSKHA no.6 113-124 '63.

SOILS—SODIUM CONTENT

Determination of water soluble and exchangeable sodium under field conditions using glass electrodes with Na-function. IU.B.Koltunov. Pochvovedenie no.7; 110-111 Jl '64.

SOILS—TRACE ELEMENT CONTENT see subdivision under Kostroma Province; Krasnodar Territory, Siberia, Western

SOILS—ZINC CONTENT see subdivision under Golodnaya Steppe

SOILS, RADIOACTIVE SUBSTANCES IN

Prospective methods for determining small quantities of uranium, thorium and radium in soils. O.O.Lialin, G.A.Kozlov. Biul.nauch.-tekh.inform.po agron fiz. no.5/6;54-61 '59.

SOILS, SALTS IN see subdivision under Murgab Oasis

SOLAR PLEXUS

Electron microscopic study of nerve cells and some extracellular elements of ganglia of the solar plexus. V.S.Petrov. Arkh.anat.,gist.i embr. 43 no.11;12-17 N '62.

SOLAR RADIATION

Diffuse radiation received by a ridged surface of soil. E.P.Riabova. Biul.nauch.-tekh.inform.po agron.fiz. no.5/6;36-39 '59.

Effect of solar radiation on the propagation of the radioactive products of nuclear explosions in the atmosphere. D.L.Simonenko. Atom.energ. 17 no.2;130-136 Ag '64.

Nature of solar X-ray emission. I.S.Shklovskii. Astron.zhur. 41 no.4;676-683 Jl-Ag '64.

Penetration of direct radiation into the sea. IU.R.Mullamaa. Izv.AN SSSR Ser.geofiz no.8,1259-1268 Ag '64

Reflection of direct radiation from the sea surface. IU.R Mullamaa Izv.AN SSSR.Ser geofiz. no 8;1232-1246 Ag '64

SOLAR RADIATION—ABSORPTION SPECTRA

Comparison of Elsasser and Goody's models of the spectral absorption band of the infrared radiation by water vapors. N.I.Kozhevnikov. Soob.GAISH no.131; 3-9 '64.

Radiation absorption in a band consisting of irregularly disposed lines. N.I.Kozhevnikov. Soob.GAISH no.131; 10-15 '64.

SOLDIERS

Lines from letters. A.Podkolzin, A.Baidakov Starsh-serzh. no.7;29 Jl '64

On the steps of the Reichstag. Vasilii Subbotin. Sov. voin 46 no.9;8 My '64.

SOLDIERS—RECREATION

Desired guests. O.Shashkina, S.Krukhmalev. Sov.voin 46 no.9;33 My '64.

SOLID FILM

Hollow cathodes with various active coatings. E.M. Dubinina and others. Izv.AN SSSR.Ser.fiz. 28 no.8;1332-1336 Ag '64.

SOLID GEOMETRY see Geometry, Solid

SOLID SOLUTIONS see Solutions, Solid

SOLONETZ SOILS

(see also subdivision under Altai Territory; Baraba Steppe; Kulunda Steppe; Omsk Province)

Agrotechnical evaluation of the equipment for the cultivation of Solonetz soils. M.K IAgupov. Trudy Biol inst.Sib otd AN SSSR no.9;222-228 '62.

Soda-type Solonetz soils and methods for their melioration. I N Antipov-Karataev, G M Kader Agrokhimiia no 1 53-62 Ja '64

SOLUBILITY

Determination of the mutual solubility boundaries of manganese and cadmium in solid aluminum. M.E. Drits and others. Zhur.neorg.khim. 9 no.6;1397-1402 Je '64.

Determination of the product of solubility of zirconium phenylarsonate. V.A.Malinovskii. Azerb.khim.zhur. no.5;113-116 '63.

Solubility diagram of the system NaOH - KOH - H_2O at 0 and 20°C. G.G.Babaian and others. Izv.AN Arm. SSR.Khim.nauki 16 no.6 539-545 '63.

Solubility in the system $FeCl_2$ - $CoCl_2$ - H_2O at 15°C. A.P.Shchedrina, M.I.Ozerova. Zhur.neorg.khim. 9 no.6;1505-1507 Je '64.

Solubility of allyl chloride in water and in aqueous solutions of HCl. IU.A.Treger, R.M.Flid, S.S.Spektor. Zhur.fiz.khim. 38 no.2,478-481 F '64.

Solubility of cerium (III) chloride in water and salt solutions. A.D.Sheveleva, R.L.Bogdanovskaia, E.F. Zhuravlev. Zhur.neorg.khim. 9 no.6;1435-1440 Je '64.

Solubility of paraffin in aromatic hydrocarbons and chlorine derivatives. A.P.Grishin, G.A.Tiliupo. Izv.vys. ucheb.zav.; neft' i gaz 6 no.7,59-63 '63.

Systems $RbNO_2$ - $Ba(NO_2)_2$ - H_2O and $CsNO_2$ - $Ba(NO_2)_2$ - H_2O at 25°C. P.I.Protsenko, T.A.Andreeva. Zhur. neorg.khim. 9 no.6;1441-1445 Je '64.

Thermodynamic analysis of the solubility of certain selenides and tellurides in a solution of ferric solutions R G Azerbaeva, A L TSeft Trudy Inst met i obog AN Kazakh SSR 8 50-56 '63

SOLUTION (CHEMISTRY)

Formation of lithium and sodium blue solutions in certain ethers. E.S.Petrov, M.I.Belousova, A.I. Shatenshtein. Zhur.ob.khim 34 no.7;2465 Jl '64.

Thermodynamics of phase transitions of the second order in binary solutions A.N.Kirgintsev. Izv.Sib otd. AN SSSR no.7;42-49 '62.

SOLUTIONS, SOLID

Effect of the charge in a solid solution of silver in aluminum. IU.S.Stark, N.B.Shparo. Fiz met.i metalloved 17 no.4 612 Ap '64.

Solid solutions in the system Zn_2SiO_4 - Fe_2SiO_4. B.L. Dobrotsvetov, E.I.Bogoslovskaia, E.I.Sobel'man. Dokl.AN SSSR 158 no.1;189-191 S-O '64.

SOLVENTS

Dehydration of hydrocarbon solvents with silica gel L V Talisman, V I Fomina, N I Korokhova Nefteper i neftekhim no.5 34-38 '63.

Effect of acid solvents on the dissociation of electrolytes. A.M.Shkodin. Zhur.fiz.khim. 36 no.3;595-598 Mr '62.

Experience in the use of solvents to increase petroleum recovery. Nefteprom.delo no.4;36-39 '63.

SOLVOLYSIS

Behavior of dimethyl ester of 3-bromo-3,6-endoxohexahydrophthalic acid in solvolysis. N.S.Zefirov, R.S. Filatova, IU.K.IUr'ev. Zhur.ob.khim. 34 no.7;2468-2469 Jl '64.

SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-

Ivan Denisovich, his friends and enemies. V.Lakshin. Nov.mir 40 no.1;223-245 Ja '64.

SONAR IN FISHING

Echometric survey of herring schools in the Norwegian Sea in 1962. M D.Truskanov, M.N.Shcherbino. Mat rybokhoz.issl Sev.bas no.1 6-10 '63.

Method of the purse seining of herring with the help of echo-sounding devices A A.Degtiarev. Mat rybokhoz. issl.Sev.bas no.1;17-21 '63

SONGS—HISTORY AND CRITICISM

The force of song. Zh.Sokol'skaia. Sov muz. 28 no 1; 17-24 Ja '64.

Muzalevskii, V.I. [The modern theme in the Soviet Russian romance] Sovremennaia tema v russkom sovetskom romanse. Leningrad, Muzyka, 1964. 239 p.

SONIN, MATVEI ROMANOVICH, 1903-1964

M.R.Sonin, obituary. Elek.sta. 35 no.5;96 My '64.

SORBENTS

Studying the specific surface of cemented rocks. Z.I. Kozlovtseva. Trudy VNIIGAZ no.20/28;83-88 '64.

SOROKIN, VLADIMIR KONSTANTINOVICH, 1914-

Koukal', V. F. [Vladimir Konstantinovich Sorokin, a sketch of his life and works] Vladimir Konstantinovich Sorokin; ocherk zhizni i tvorchestva. Leningrad, Muzyka, 1964. 46 p.

SORPTION

Determining the methane content of native coals at pressures up to 50 at. E. G Lemba, I L. Ettinger, V. G. Adamov. Izv. AN SSSR. Met. i gor. delo no 2.188-191 Mr-Ap '64.

Rachinskii, V. V. [Introduction to the general theory of the dynamics of sorption and chromatography] Vvedenie v obshchuiu teoriiu dinamiki sorbtsii i khromatografii. Moskva, Izd-vo "Nauka," 1964. 136 p.

Sorption of titanium (IV) on the KU-1 cation exchanger. A. I. Zhukov, A. S Nazarov. Zhur. neorg. khim. 9 no. 6:1465-1471 Je '64.

SOUND—PSYCHOLOGICAL ASPECTS

Mechanism of the speech pause. Report No. 1 Perception of time intervals in sound signals. M G. Kasparova Izv. APN no. 120.158-163 '63

SOUND—RECORDING AND REPRODUCING

Meerzon, B IA. [Advice on sound recording] Sovety po zvukopisi. Moskva, Gos. kom-t Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 30 p. (V pomoshch' obshchestvennoi redaktsii radioveshchaniia) [MICROFILM]

A story on sound recording. L TSyganova. Radio no 1:39-43 Ja '64

SOUND—SPEED

Substantiation of Jacobson's empirical rule. N. F Otpushchennikov. Izv vys ucheb zav, fiz no 4:102-104 '64.

Theoretical basis of the Lagemann rule provided by a simple method. N. F Otpushchennikov. Izv. vys. ucheb. zav.; fiz. no 4:191-192 '64

SOUND WAVES

Interaction of sound with spin waves. Part 2. B. Kh Ishmukhametov Fiz met i metalloved 17 no 5 641-650 My '64

SOUR CREAM

Use of plastic cream for making sour cream and other dairy products L. A MilIutina Sbor ref. nauch. rab VNIMP no 1 66-69 '55

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

"Race war" in the Republic of South Africa. N. Liubimov, V. Shemiatenkov. Mezhdunar. zhizn' 11 no. 9.59-63 S '64.

"Thank you, women." N. Malysheva. Az i Afr. seg. 8 no. 7 25-26 Jl '64

SOUTH AFRICA, REPUBLIC OF—WOMEN

"Thank you, women" N. Malysheva. Az. i Afr. seg 8 no. 7:25-26 Jl '64.

SOUTH AFRICAN WAR, 1899-1902

The Anglo-Boer War in the evaluation of the Russian periodical press. A. L Vitukhnovskii. Uch zap. Petrozav gos un. 11 no. 1 96-121 '62.

SOUTH-MUBAREK GAS FIELD—ROCKS—ANALYSIS

Gas bearing rocks in the South-Mubarek gas field. S. P. Korsakov. Trudy VNIIGAZ no. 20/28:181-187 '64.

SOUTH OSSETIA see Ossetia, South

SOUTHEAST ASIA TREATY ORGANIZATION

Black decade of SEATO. A Ptesov. Az. i Afr seg. 8 no. 6 16-18 Je '64

SOVEREIGNTY

Sovereignty and aggressive alliances. G. Starushenko. Mezhdunar. zhizn' 11 no. 9:84-86 S '64.

Sovereignty and the Soviet federal state. G. B Agabekov. Uch. zap. IMO no. 16:3-39 '63.

Unity of the sovereignty of the Union of the S.S.R. and the Union Republics in the period of large-scale building of communism. B. L. Manelis. Sov. gos. i pravo 34 no. 7:17-26 Jl '64.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—ARCHAEOLOGY

Masson, V. M. [Central Asia and the Ancient East] Sredniaia Aziia i Drevnii Vostok. Moskva, Izd-vo "Nauka," 1964. 466 p.

SOVIET CENTRAL ASIA—COMMERCE

Great prospects of Central Asia. Kh. Bogdanov. Vnesh. torg. 44 no. 6:40-43 '64.

SOVIET CENTRAL ASIA—DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Turgunov, D. T., and others. [Specialization of diesel locomotive depots; from the experience of the Central Asian Railroad] Spetsializatsiia teplovoznykh depo; iz opyta Sredneaziatskoi dorogi. Moskva, Izd-vo "Transport," 1964. 49 p.

SOVIET CENTRAL ASIA—ETHNOLOGY

Valikhanov, Ch. Ch. [Collected works] Sobranie sochinenii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1961- 5 v.
(KU)

SOVIET CENTRAL ASIA—FERNS

Akademiia nauk SSSR. Botanicheskii institut. [Plants of Central Asia; according to materials of the V. L Komarov Botanical Institute] Rasteniia TSentral'noi Azii; po materialam Botanicheskogo Instituta im. V L. Komarova Sost V. I Grubov Moskva, Izd-vo Akad nauk SSSR.
No 1. [Preface, Ferns, Bibliography] Vvedenie, Paporotniki. Bibliografiia. 1963. 165 p.

SOVIET CENTRAL ASIA—GEOCHEMISTRY

Dikenshtein, G. Kh., and others, eds. [Conditions governing the sedimentation and the geochemical characteristics of Mesozoic and Cenozoic sediments in the western regions of Central Asia] Usloviia osadkonakopleniia i geokhimicheskaia kharakteristika mezo-kainozoiskikh otlozhenii zapadnykh raionov Srednei Azii. Moskva, Nedra, 1964. 180 p.

SOVIET CENTRAL ASIA—GEOLOGY

Dikenshtein, G. Kh., and others, eds. [Conditions governing the sedimentation and the geochemical characteristics of Mesozoic and Cenozoic sediments in the western regions of Central Asia] Usloviia osadkonakopleniia i geokhimicheskaia kharakteristika mezo-kainozoiskikh otlozhenii zapadnykh raionov Srednei Azii. Moskva, Nedra, 1964. 180 p.

SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHIC

Stratigraphic diagram of the Danian stage, the Paleogene, and the Lower Miocene of the western part of Central Asia E K. Shutskaia and others Geol nefti i gaza 7 no 12 44-47 D '63

SOVIET CENTRAL ASIA—ICHNEUMON FLIES

Parasitic Hymenoptera from the genus Agathis Latr. (Hymenoptera, Braconidae) of Kazakhstan and Central Asia V. I. Tobias. Ent. oboz 42 no 4.864-883 '63.

SOVIET CENTRAL ASIA—INDUSTRIES

Great prospects of Central Asia. Kh. Bogdanov. Vnesh. torg. 44 no. 6:40-43 '64.

SOVIET CENTRAL ASIA—IRRIGATION RESEARCH

Problems concerning the agricultural reclamation of lands irrigated in the remote past, conference of the Commission on the Practical Use of Historical Data in the National Economy. B V Andrianov. Vest. AN SSSR 34 no 7 117-118 Jl '64

SOVIET CENTRAL ASIA—JOURNALISM, MILITARY

Friends of a soldier's newspaper. G. Pastron. Sov. voin 46 no. 9:17 My '64.

SOVIET CENTRAL ASIA—MALARIA—BIBLIOGRAPHY

Moscow. Gosudarstvennaia nauchnaia meditsinskaia biblioteka. [Malaria in Central Asia; bibliographic index of literature, 1878-1961] Maliariia v Srednei Azii; bibliograficheskii ukazatel' literatury (1878-1961 gg.). Sost. K. K. Shabanova, L. P. Shubenko i K. G. Shishova. Tashkent, Med. gos. izd-vo M-va zdravookhraneniia UzSSR, 1963. 122 p.

SOVIET CENTRAL ASIA—NATIONALITIES

Abdushukurov, R. Kh. [Historical experience in solving the nationality problem in the republics of Central Asia and Kazakhstan] Istoricheskii opyt razresheniia natsional'nogo voprosa v respublikakh Srednei Azii i Kazakhstane. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 105 p. (Materialy k Vsesoiuznoi nauchnoi sessii: "Zakonomernosti perekhoda ranee otstalykh narodov k sotsializmu i kommunizmu, minuia stadiiu kapitalizma") [MICROFILM]

SOVIET CENTRAL ASIA—RAILROADS—DESIGN AND CONSTRUCTION

Design for the construction of a railroad in Central Asia. P. N Chernov. Transp. stroi. 14 no. 1 57-58 Ja '64.

Rails stretch to the horizon V. O. Arkhiptsev. Transp. stroi 14 no. 1:3 Ja '64

SOVIET CENTRAL ASIA—ROCKS

Mineral and petrographic characteristics of fused rocks in Central Asia. M. I. Zbarskii. Zap. Kir. otd. Vses. min. ob-va no. 4:53-67 '63.

SOVIET CENTRAL ASIA—RUNOFF

Effect of the altitude of a river mountain drainage basin on the course of runoff during the vegetational period. T. S Abal'ian Meteor. i gidrol no 6 11-17 Je '64.

SOVIET CENTRAL ASIA—SOIL MICRO-ORGANISMS

Microbiological processes in soils of the natural zones in Central Asia S. F. Lazarev. Agrobiologiia no. 1: 29-36 Ja-F '64.

SOVIET FAR EAST—BOTANY, MEDICAL

Fundamental paths and problems in the study of medicinal plants of the Far East. I. I. Brekhman. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no. 5:5-11 '63.

Some plants of the Far East holding out medicinal prospects. A. I Shreter. Mat. k izuch zhen'. i drug. lek rast. Dal'. Vost. no. 5:13-25 '63.

SOVIET FAR EAST—BRIQUETS (FUEL)

Briquetting coals from the Soviet Far East L. B. Nepomniashchii, IU. A Faber Trudy DVFAN SSSR. Ser. khim no. 6:93-96 '62

SOVIET FAR EAST—COAL PREPARATION

Preparation of Urgal coals at the "Zhilevskaia" Experimental and Industrial Coal Preparation Plant. L. B. Nepomniashchii and others Trudy DVFAN SSSR. Ser khim. no 6:106-109 '62.

SOVIET FAR EAST—DESCRIPTION AND TRAVEL

Efremov, A. N., and E. P. Fedorovskii. [Hundred roads and a hundred friends, Moscow, Cape Dezhnev, Kuril Islands, Sakhalin, the Maritime Territory, Moscow] Sto dorog, sto druzei, Moskva, Mys Dezhneva, Kuril'skie ostrova, Sakhalin, Primor'e, Moskva. [Moskva] Molodaia gvardiia, 1964. 191 p. illus. (Prikliucheniia, fantastika, puteshestviia)

SOVIET FAR EAST—ECONOMIC RESEARCH

A new coordinating method for scholarly research. V G Fomin Izv SO AN SSSR no 5 Ser obshchestv nauk no 2:121-122 '63

SOVIET FAR EAST—ENGINEERING GEOLOGY

Problems in the hydrogeology and engineering geology of the southern part of the Far East. N. M. Bogatkov. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no 2: 205-212 '62

SOVIET FAR EAST—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics and the development of the history of the basement in the Sikhote-Alin' region S. A Salun. Biul. MOIP. Otd. geol 38 no. 6:3-16 N-D '63

SOVIET FAR EAST—INDUSTRIES

Specialization and disproportions in the economy of the Far East S Mikhailov, L IUrkevich Plan. khoz 41 no 8 16-24 Ag '64

SOVIET FAR EAST—ORE DEPOSITS

Scientific problems in establishing ore bases in Siberia and the Far East V A. Kuznetsov. Vest. AN SSSR 34 no 6 45-47 Je '64

SOVIET FAR EAST—PHYSICAL GEOGRAPHY

Practice in deviding the Far East into physicogeographical regions and provinces V B. Sochava Dokl Inst geog. Sib. i Dal' Vost no. 1:23-33 '62.

SOVIET FAR EAST—PSYCHIATRY

Psychiatric service in the Far East in the pre-revolution period. N. F. Shakhmatov. Trudy Gos. nauch.-issl. inst. psikh. 40:290-296 '63.

SOVIET FAR EAST—RESEARCH

In the Far Eastern Branch of the Siberian Department Vest. AN SSSR 34 no 6.105 Je '64.

SOVIET FAR EAST—TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Conference on the biological role of trace elements in the organism of man and animals in Eastern Siberia and the Far East. O. V. Makeev, M. V. Efimov. Izv. Sib. otd AN SSSR no 7:109-111 '62

SOVIET FAR EAST—WATER, UNDERGROUND

Artesian basins in the south of the Far East. V. A. Kiriukhin Mat Kom. po izuch podzem vod Sib. i Dal' Vost. no. 2:213-223 '62.

Principles of the structural and hydrogeological regionalization of Siberia. N. I. Tolstikhin. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost no. 2:2-9 '62.

Problems in the hydrogeology and engineering geology of the southern part of the Far East. N. M. Bogatkov. Mat. Kom. po izuch. podzem vod Sib. i Dal'. Vost. no 2: 205-212 '62.

SOVIET UNION see Russia

SOVIETS
(see also subdivision under Azerbaijan; Buryat A.S.S.R.; Kaluga Province)

Akademiia nauk SSSR. Institut istorii. [The soviets and the union of the working class and peasantry in the October Revolution] Sovety i soiuz rabochego klassa i krest'ianstva v Oktiabr'skoi revoliutsii, sbornik statei. Moskva, Izd-vo "Nauka," 1964. 226 p.

Forms of participation of the public in the work of local soviets. L. A. Grigorian. Sov. gos. i pravo 34 no. 7:156-157 Jl '64.

SOYBEAN

Novak, A. G. [Growing soybeans] Vozdelyvanie soi. Moskva, Rossel'khozizdat, 1964. 103 p.
(DNAL)

SPACE FLIGHT

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [From the history of rocket engineering] Iz istorii raketnoi tekhniki. Moskva, Nauka, 1964. 254 p

SPACE FLIGHT (Continued)

The attack goes on. V. Komarov. Sov. shakht. 13 no 4:4-6 Ap '64.

Mechanics of a space flight with low thrust. 4. G. L. Grodzovskii, IU. N. Ivanov, V. V. Tokarev. Inzh. zhur. 4 no. 2:392-423 '64.

[Space research] Ref. zhur.: Issl. kosm. prostr. no. 8 Ag '64.

Use of the methods of analytic dynamics in the theory of optimum flights. V. S. Novoselov. Vest. LGU 19 no. 13:133-146 '64.

SPACE FLIGHT TO VENUS

Motion of a space body with a variable mass in its flight to Venus. N. G Magnaradze Biul Abast astrofiz obser no 30 143-151 '64.

SPACE LAW

Sources of space law. P I Lukin. Uch. zap. IMO no. 16: 127-146 '63.

SPACES, GENERALIZED

Breaking up of certain families of measures. A. M Kagan, V. N. Sudakov. Vest. LGU 19 no. 13:147-150 '64.

Construction of polarized normalization of conformal space Kh. G. Bagautdinova Izv vys ucheb zav , mat no 2:3-7 '64

Theorem on a closed graph for ultracomplete spaces. I. M. Fektiarov. Dokl. AN SSSR 157 no. 4:771-773 Ag '64.

PAIN—POLITICS AND GOVERNMENT

New war of the Spanish succession. R. R. Nov. vrem. 22 no. 31 17-18 Ag '64.

PANISH AMERICA see Latin America

PANISH DRAMA—HISTORY AND CRITICISM

Manuscripts of Spanish dramas about Russia and humanist traditions of 17th century Spanish literature. N I Balashov. Izv. AN SSSR, Ser. lit. i iaz. 23 no. 1:18-35 Ja-F '64.

PANISH LANGUAGE—DICTIONARIES—RUSSIAN

[Short Spanish-Russian and Russian-Spanish dictionary. 14, 000 words] Kratkii ispansko-russkii i russko-ispanskii slovar'. 14000 slov. Sost. O. N. Filippova, M. Sanchos Pavon, L. I. Razygraeva. Izd. 3., ispr. i dop. Moskva, Sovetskaia Entsiklopediia, 1964. 471 p.

PANISH LANGUAGE—TERMS AND PHRASES

Demarcations between set and free expressions. E. M. Vol'f. Uch. zap. Tadzh. un. 21. Trudy Kaf. inostr. iaz. no. 1:71-115 '59.

PARK PLUGS

Recently designed portable gas ignition devices. V. V. Snytkin. Gaz. prom. 8 no. 9:17-19 S '63.

PASMOLYTICS see Antispasmodics

PASSKII, ANATOLII ALEKSEEVICH, 1866-1916

Historian of the ancient Church A. A. Spasskii. Zhur. Mosk Patr. no. 8.72-79 '64.

PASTIC PARALYSIS see Paralysis, Spastic

ECIAL LIBRARIES see Libraries, Special

PECIES

A conference on the problems of intraspecific relations of organisms. B. G. Ioganzen, V. P. Ivanov. Usp. sovr. biol. 55 no. 2:316-318 Mr-Ap '63.

PECIFIC HEAT see Heat capacity

PECIFIC GRAVITY

Some characteristics of the specific gravity of the elements related to the a-and b- subgroups in the periodic system. A. S. Povarennykh. Sbor. nauch. trud. KGRI no. 10:45-50 '61.

PECIFICATIONS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Forms of technological specifications] Formy tekhnologicheskoi dokumentatsii (RTM 94-63—RTM 103-63). Moskva, Izd-vo standartov.

Pt. 1. 1964. 26 p.

PECTROGRAPH

New industrial spectrographs. A. IA. Khashatian. Zav. lab. 30 no. 6:764-766 '64.

PECTROMETER

Longwave infrared spectrometer with small-size echelette grating. A. G. Zhukov. Opt. i spektr. 17 no. 2:284-289 Ag '64.

Resolving power of spectral instruments. Part 2. V. P. Kozlov. Opt. i spektr. 17 no. 2:278-283 Ag '64.

PECTROMETRY

Rational selection of the number of channels in spectrometry. I. S. Krasheninnikov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 6: 27-37 '63.

Steady-state and pulse methods of studying the nuclear quadrupole resonance. I. A. Safin, B. N. Pavlov, D. IA. Shtern. Zav. lab. 30 no. 6:676-684 '64.

SPECTROPHOTOMETRY

Allowing for reabsorption in spectrophotometry. IU. L. Lukantsever, F. N Zaitov. Izv. vys. ucheb. zav , fiz no 4:158-163 '64.

Effect of acid extraction of nucleic acids on the extent of ultraviolet ray scattering by sections of certain tissues. V. G. Vladimirov, V. I. Sharobaiko. TSitologiia 5 no. 4: 466-469 Jl-Ag '63.

Research on ways of quinocide metabolism in the animal body. Report No. 2: Binding of quinocide in the tissues. N IA. Soprunova. Med. paraz. i paraz. bol. 32 no 4:443-447 Jl-Ag '63.

Rowland ghosts in double-diffraction monochromators and their compensation in photoelectric spectrophotometry. P. P. Kozak Opt i spektr. 17 no 2:290-293 Ag '64.

Spectrophotometric analysis of the selectivity of direct dyes by staple fabrics. L. A. Volodina and others. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6 124-129 '63.

Spectrophotometric study of a compound of germanium with N, N'-di-(2-hydroxy-5-sulfophenyl)-cyanophormazan. V F Vozisova, V N. Podchainova Zhur. anal khim 19 no. 5:640-642 '64.

Study of reagents for the spectrophotometric determination of gallium. M. K. Akhmedli, E. L. Glushchenko. Zhur. anal. khim. 19 no 5:556-560 '64.

SPECTRUM, INFRARED

Calculation of the electro-optical parameters and intensities of infrared spectra of type XY_4, XY_3Z, and XY_2Z_2 molecules. I. F Kovalev. Izv vys. ucheb. zav., fiz. no. 4:173-179 '64

Cholinergic substances studied by means of infrared spectra. S. G. Kuznetsov. Zhur. ob. khim 34 no. 7: 2379-2383 Jl '64.

Integral intensities of stretching vibration bands of alkyl - O - (P) in the infrared spectra of some thio-organophosphorus compounds. Infrared spectra and structure of bis(alkoxythiophosphono)disulfides of bis(N-trialkyl- and N-dialkylammonium) A. F. Vasil'ev, B A. Khaskin. Zhur. ob. khim. 34 no. 7:2322-2328 Jl '64.

Use of the spectroscopy of negative luminous fluxes in the far infrared spectral region. I. M Aref'ev. Opt. i spektr. 17 no 2:300-302 Ag '64.

SPECTRUM ANALYSIS

Certain means used for increasing the sensitivity of spectrum analysis during photographic recording of the spectrum. M. P. Burmistrov, V. V. Nedler, S. P. Poliakova. Zav. lab. 30 no. 6 694-696 '64

Chemical-spectral method of analysis of high purity bismuth. L. L. Baranova, S. M. Solodovnik Zhur. anal. khim. 19 no. 5:588-592 '64.

Emission spectrum during detonation of solid explosives in a vacuum. V. A. Dement'ev, V. N. Kologrivov. Zhur. fiz. khim. 36 no. 3:458-462 Mr '62.

Experimental study of the ion-optical properties of an electrostatic analyzer with a linearly distributed potential on deflecting electrodes. V. V. Zashkvara, M. I. Korsunskii Zhur. tekh. fiz. 34 no. 7:1285-1292 Jl '64.

Increasing the accuracy in spectral determination of small concentrations. N. G. Preobrazhenskii. Izv. Sib otd. AN SSSR no 12 75-82 '62.

Limit spectral line width of a signal propagating in a medium of "negative temperature." I. P. Mazan'ko. Opt. i spektr. 17 no. 2:203-208 Ag '64.

Neutron and optical spectra as sources of information on the motion of molecules in liquids. L. I. Komarov, I. Z. Fisher. Ukr. fiz. zhur. 9 no. 4:349-354 Ap '64.

O. P. Bochkova and E. IA. Shreider's "Spectral analysis of gaseous mixtures." A. N. Zaidel'. Zav. lab. 30 no. 6:767-768 '64.

Spectral determination of tin, lead, and boron in silicate rocks and minerals. L. I. Pavlenko, V. S. Popova. Zav. lab. 30 no. 6.690-702 '64.

Use of emission microspectral analysis in studying the spots on paper chromatograms. A. A Galoian, N. V. Korolev. Dokl. AN Arm. SSR 37 no. 4:217-220 '63.

Vibration-free sampler. V. S. Baskov, M. N. Palladin. Zav. lab. 30 no. 6:761-762 '64.

SPEECH

Increasing the reliability of objective speech sound cognition using recheck. G. I. TSemel'. Probl. pered. inform. no. 15:77-79 '63.

Mechanism of the speech pause. Report No. 1. Perception of time intervals in sound signals. M. G. Kasparova. Izv. APN no. 129.158-163 '63.

SPEECH, DISORDERS OF

Method of determining the population's requirements in aid for the correction of speech disorders. V. P Baranova. Zdrav. Ros Feder 8 no. 1:25-27 Ja '64

Speech incoherence in schizophrenia. M. A. Rybalko. Trudy Gos. nauch.-issl. inst. psikh. 40:218-226 '63.

Study of internal speech following the distrubance of the function of speech motor analyser. N. A. Kryshova, K. M. Shteingart. Dokl. AN SSSR 157 no. 4:998-1000 Ag '64.

SPEECH THERAPY

Methods of logopedic work on the development of the grammatical structure of speech in children suffering from motor alalia. S. N. Shakhovskaia. Izv. APN no. 129:233-237 '63.

Originality of lexical meanings in the independent written speech of alalic children. I. K Kolpovskaia. Izv. APN no 129 238-242 '63

SPENDIAROV, ALEKSANDR AFANAS'EVICH, 1871-1928

Spendiarova, M. A. Spendiarov. Moskva, Molodaia gvardiia, 1964. 203 p. illus. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 5(380))

SPENGLER, OSWALD, 1880-1936

It does move nevertheless, on the 50th anniversary of the First World War A. Leonidov Nov vrem 22 no 31 3-7 Jl '64

SPERANSKII, ALEKSANDR NIKOLAEVICH, 1892-1943

Outstanding scholarly archivists M D. Rabinovich Vop arkh. 8 no. 3:41-49 Jl-S '63

SPERMATOZOA

Clinicomorphological characteristics of spermatozoal granuloma of the epididymis. I. D. Shperling. Urologiia no. 1 34-38 '64.

Microscopic structure of the head of a living human spermatozoon. V. P. Koval'. TSitologiia 5 no. 4.449-452 Jl-Ag '63.

Spermatozoid granuloma of the epididymis. I. D. Shperling. Arkh. pat. 26 no. 2:50-58 '64.

SPHAGNUM

Distribution of Sphagnum imbricatum S N. Tiuremnov Biul. MOIP. Otd. biol. 68 no 3:98-109 My-Je '63

SPICES

Improving the formula for domestic spices mixture in the salting of anchovies M N Shumilova Trudy Azcherniro no 21.31-36 '63

SPIDERS see subdivision under Murmansk Province

SPILITES see subdivision under Nuratau

SPILLWAYS

Laboratory studies of erosion in a channel with cantilevered overfalls. I. A. Kamenev. Trudy Gidrav. lab. VODGEO no. 10:255-268 '63.

Plastic siphon spillways. A. IA. Gol'din. Khim. v sel'. khoz. 2 no. 4:52-54 Ap '64.

SPINAL CORD

Characteristics of prolonged depolarization of the central branches of afferent fibers in the spinal cord of a frog. P. G. Kostiuk, V. B. Timchenko. Fiziol. zhur. 49 no. 11: 1369-1377 N '63.

Effect of intra-aortal injection of potassium chloride on mono-and polysynaptic reactions of the spinal cord L. O. Savos'kina. Fiziol zhur. (Ukr.) 9 no. 6:723-730 N-D '63

Examination of the effect of narcotics on the transfer of stimuli in the spinal cord using intracellular microelectrodes. A. I. Shapovalov. Farm. i toks. 26 no. 2 150-156 Mr-Ap '63.

Functional significance of nerves of the dentate ligaments of the spinal cord. V. B. Sokolov. Arkh. anat. gist. i embr. 43 no. 8:35-42 Ag '62.

SPINAL CORD—SURGERY

Electrophysiological study of the consequences of ventral hemisection of the spinal cord in cats. A. N. Potapov. Fiziol. zhur. 49 no. 11:1353-1359 N '63.

Investigation of the conduction of the stimulation impulse through the region of the bilateral hemisections of the spinal cord. Z. A. Vagramian. Zhur. eksp. i klin med. 4 no. 2:9-14 '64.

SPINAL NERVES see Nerves, Spinal

SPINE—ABNORMITIES AND DEFORMITIES

Asymmetry and anomaly of the roots of the vertebral arches in an X-ray image. S. A. Arustamian. Vop. rent. i onk. 7.91-99 '63.

SPINE—RADIOGRAPHY

Asymmetry and anomaly of the roots of the vertebral arches in an X-ray image. S. A. Arustamian. Vop. rent. i onk. 7:91-99 '63.

X-ray picture of the roots of the vertebral arches in hemangiomas. S. A. Arustamian. Vop. rent. i onk. 7:101-109 '63.

SPINE—TUBERCULOSIS

Primary abdominal pregnancy in a patient with tuberculous spondylitis. E. N. Kalinovskaia, V. V Bulanov. Akush. i gin. 39 no. 5:147-148 S-O '63.

SPINE—TUMORS

X-ray picture of the roots of the vertebral arches in hemangiomas. S. A. Arustamian. Vop. rent. i onk. 7:101-109 '63.

SPINNING

Spinning value of a bath. S. P. Papkov. Khim. volok. no. 3:34-35 '64.

Widening of a jet of liquid flowing out of spinneret orifice. S. P. Papkov. Khim. volok. no. 3:36-40 '64.

Characteristics of continuous production lines for spinning. V.I. Budnikov. Izv vys. ucheb. zav., tekh. tekst. prom. no. 6:63-67 '63.

Design and calculation of the fluff catcher system with individual nozzles for spinning machines. A.V. Vishniakov. Izv. vys. ucheb zav., tekh. tekst. prom. no. 6:145-151 '63.

Fields of friction forces and the drafting force in a zone of drawing with a curved field. M.F.Belov. Izv. vys. ucheb. zav., tekh. tekst. prom no. 6 75-86 '63.

Means of reducing the accumulation of carbon disulfide in spinning sections. K.K.Murav'ev. Khim.volok. no.3:63-65 '64.

Parameters of the tangential rolling of the cylinder pedestals of flax spinning machines L.A.Veselov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6:176-183 '63.

Petrova, A.N. [Sliver delivering machines] Lentochnye mashiny. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1964. 49 p.

Regulation of the doffer comb for the production of the most uniform doffer web. M.N. Ashnin, N.I. Truevtsev. Izv. vys. ucheb. zav., tekh. tekst. prom. no 6 68-74 '63

Transmission functions of the drafter Report No 2. V.P.Khavkin, A.S.Molchanov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6 136-144 '63.

Vaniushin, A.F. [Scutchers] Trepal'nye mashiny. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1964. 65 p. (Biblioteka molodogo priadil'shchika)

SPINNING MACHINERY—BIBLIOGRAPHY see Bibliography—Spinning machinery

SPINNING MACHINERY—SAFETY APPLIANCES

Vsesoiuznyi nauchno-issledovatel'skii institut okhrany truda. [Improvement of safety measures and hygienic conditions for work on the roving machines in flax spinning industries] Uluchshenie tekhniki bezopasnosti i sanitarno-gigienicheskikh uslovii truda na rovnichnykh mashinakh l'nopriadil'nogo proizvodstva Ivanovo, 1963. 21 p. (V pomoshch' inzhenerno-tekhnicheskomu personalu i profsoiuznomu aktivu po okhrane truda na tekstil'nykh predpriiatiiakh)

[MICROFILM]

SPINOR ANALYSIS

Asmptotic expansion of singular solutions of the spinor field theory. L.E.Lebedev Izv. vys ucheb zav ; fiz no.4:41-46 '64.

SPIRITUAL EXERCISES

Pozov, A. [Logos meditation of the early Church; spiritual exercises] Logos-meditatsiia drevnei tserkvi; umnoe delanie. Munich, Tovarishchestvo zarubezhnykh pisatelei, 1964. 163 p.

SPIROCHETOSIS see subdivision under Kirghizistan

SPLEEN

Role of the spleen in the regulation of the protein composition of the blood serum. T K Valuieva, N S. Kuznetsova. Fiziol. zhur (Ukr.) 9 no 6:759-764 N-D '63

Study of the electrical conductivity of the spleen tissue in irradiated animals. E.V.Burlakova, M.L.Kakushkina. Nauch.dokl. vys. shkoly; biol. nauki no. 3:87-90 '64.

SPLEEN—RUPTURE

Traumatic rupture of a nonparasitic cyst in the spleen. M.N.Ryzhkov, G.N.Chaikovskii. Arkh.pat. 26 no. 2: 78-80 '64.

SPLEEN—SURGERY

Expedient operative access to the spleen. M.S. Znamenskii, V.S.Kononov. Sov. zdrav. Kir. no. 6: 38-40 N-D '63.

SPLENIN

Changes in some indices of the protein function of the liver under the effect of splenin. V.N.Zgrzheblovs'ka, A.A.Blavdzevych. Fiziol. zhur. 10 no.1:121-122 '64.

SPONDYLOTHERAPY

Ten who are saved N Kriukova Izobr i rats. no 5:22-24 '64

SPONGES

Changes in the reaggregation speed of the macerated sponge Halichondria panicea as related to the D_2O content of seawater. E K Runge Biofizika 7 no. 5: 632-633 '62.

SPORES (BOTANY)

Succession of tetrads and hexads of spores. A.N.Sladkov. Nauch.dokl. vys. shkoly; biol. nauki no. 3:91-98 '64.

SPORTS

(see also subdivision under Korkino, Chelyabinsk Province; United States)

The 46th V.Gorovoi. Sov.profsoiuzy 20 no 14:29-30 Jl '64.

Organization of physical education and sports according to the workers' domicile. M.F.Bunchuk. Teor.i prak. fiz.kul't. 27 no.5:46-49 My '64.

The plant committee and physical education. A.Myznikov. Sov.profsoiuzy 20 no 14 24-26 Jl '64.

The "wave" gathers strength M Shikhaleev Sov.profsoiuzy 20 no 14 27-28 Jl '64.

SPORTS—EQUIPMENT AND SUPPLIES

Apparatus for the objective judging of vaulting. G.D. Khmelashvili. Teor.i prak fiz.kul't 27 no.4 72-73 Ap '64.

SPORTS—ORGANIZATION AND ADMINISTRATION

Main feature in organizational work. M.I.Tokarev. Teor i prak.fiz.kul't. 27 no.5 49-51 My '64.

SPORTS—PHYSIOLOGICAL ASPECTS

Active rest and the regulation of functional systems during the aging of an organism I.V.Muravov. Teor. i prak fiz.kul't. 27 no.5:31-37 My '64.

Ballistocardiographic study of circulation in sportsmen in relation to their training capacity B V Stepanchenko, IU.I Luk'ianenko Sbor nauch rab stud Volg gos med inst no 1:25-30 '60.

Body surface in athletes. A.N.Strokina. Teor.i prak. fiz.kul't. 27 no.5:44-45 My '64.

Books on health. Z.Kh.Ikramov. Teor.i prak.fiz.kul't. 27 no.5:74-75 My '64.

Determining variations of the parantal arch according to the method of Feiss. V.A.Toropov Teor i prak.fiz. kul't. 27 no.5:29-31 My '64.

Importance of the musculus interosseus of the wrist for the gymnasts. N.M.Bykov. Teor.i prak.fiz kul't. 27 no.4:28-30 Ap '64.

Maximal use of oxygen by Olympic skiers. V V.Mikhailov, I G.Ogol'tsov. Teor.i prak.fiz kul't. 27 no.5: 15-18 My '64.

Physical education and training in the struggle for human longevity. I.T.Osipov. Teor.i prak.fiz kul't. 27 no.5:52-55 My '64.

Significance of physical exercise in connection with pathology of the climacteric. G.I.Krasnosel'skii. Teor.i prak.fiz.kul't. 27 no.5:59-60 My '64.

Some ways of motor function involution in man and the measures for its delay. A.V.Korobkov. Teor.i prak fiz.kul't. 27 no.5:23-26 My '64.

Study of cerebral neurodynamics during the establishment of a sports form. A.A.Asknazii. G P Pauperova. Teor.i prak.fiz.kul't. 27 no.4:36-37 Ap '64

SPORTS—SOCIETIES, ETC.

Toward the All-Union Conference of the Union of Sports Societies and Organizations. Teor.i prak.fiz.kul't. 27 no 5:1-5 My '64.

SPORTS MEDICINE

Correlational dependence between maximal speed indices in free movements. Report No. 2. Correlation in the case of special training in both movements under research. V.M.Zatsiorskii, M.A.Godik. Izv.APN no.129:214-218 '63.

Dynamics of physiological functions of women athletes during the ovarian menstrual cycle. V.N.Zhelezniakene. Teor.i prak fiz.kul't. 27 no.5:40-44 My '64.

Electronics laboratory in the service of sports medicine. V.V.Rozenblat, A.T.Vorob'ev Biul.Uch.med.sov. 3 no 4 24-27 Jl-Ag '62.

Muscle strength and mobility of nervous processes in women athletes in connection with the ovarial-menstrual cycle. O.D.Zhovnovataia. Teor.i prak.fiz.kul't. 27 no.4:34-35 Ap '64.

Pathological and prepathological conditions in sports activities. A.G.Dembo. Voen.-med.zhur. no.1:34-38 '63.

Study and evaluation of the correlation between breathing and blood circulation during physical stress. E.I. Belov Teor.i prak.fiz.kul't. 27 no.4:24-28 Ap '64.

SPRAYING AND DUSTING EQUIPMENT

Mechanical sprayer for chemical treatment of lakes. R.I.Balashev, B.A.Nikolaev. Izv.GosNIORKH 55:34-37 '63.

SPRAYING AND DUSTING IN FORESTRY

Effect of spraying chemicals from an airplane on the fauna of soil invertebrates in coniferous forests. IU.B. Byzova. Zool zhur. 43 no.4:486-502 '64.

Mist spraying against elm bark beetles. A.D.Maslov. Khim.v sel'.khoz. 2 no.4:33-34 Ap '64.

SPRINGS (MECHANISM)

Springs made of wires with shaped sections. A.M.Trus'. Mashinostroitel' no.7:35 Jl '64.

SPRINKLER IRRIGATION

(see also subdivision under Kirghizistan)

Programmed control system for sprinkling units. Sh.A. Samed-Zade, B.A.Nikulin. Za tekh.prog. 3 no.11:10-12 N '63.

SPRUCE

(see also subdivision under Magadan Province; Tien Shan)

Content of ash elements in various parts of pine and spruce. O.V.Butuzova. Bot.zhur. 49 no.7:1060-1063 Jl '64.

SPRUCE BARK-BEETLE

Study of the alimentary interrelationship between nematodes living under the elytra of the European spruce bark beetle and the bark beetle as a host. [illegible] Kurashvili, G.A.Kakulíia, Sh.Sh.Chanishvili. Soob AN Gruz SSR 33 no 3:671-678 Mr '64

SPURGE

Presence of water-insoluble tannins in the roots of the spurge Euphorbia palustris H P Pivnenko [illegible] Farmatsev zhur 16 no 1 32-35 '61.

SPUTNIKS see Artificial satellites

SPUTTERING (PHYSICS)

Energy distribution of sputtered atoms appearing during the bombardment of metals by mercury ions. M.B. Ben'iaminovich, V.I.Veksler. Izv.AN SSSR.Ser.fiz. 28 no.8:1387-1389 Ag '64.

SPUTUM

Diagnosis of lung cancer by the cytologic study of the sputum. G.A.Arzumanian, O.A.Daian, L.O. Arutiunian. Vop.rent.i onk. 7 280-295 '63.

SQUARE ROOT

Chibisov, V.V. [Derivation of square roots using the BESM-2 computer] Operatsiia izvlecheniia kvadratnogo kornia na mashine BESM-2. Moskva, Vychislitel'nyi tsentr AN SSSR, 1962. 24 p. (Soobshcheniia po vychislitel'noi tekhnike, no. 1)

[MICROFILM]

SQUILLS

Vegetative reproduction of the squill Scilla sibirica Andrews. T.K.Goryshina. Nauch.dokl. vys.shkoly; biol.nauki no. 3:103-106 '64.

SQUIRRELS see subdivision under White Russia

STABILITY

On N.A.Kartvelishvili's comments "Errors in the determination of the probability of stability disturbances for some dynamic systems." Izv.AN SSSR.Mekh.i mashinostr. no 4:195-200 Jl-Ag '64.

STABILITY OF AIRPLANES

Pavlov, V.A., S.A.Ponyrko, and IU.M.Khovanskii. [Stabilization of aircraft and automatic pilots] Stabilizatsiia letatel'nykh apparatov i avtopiloty. Moskva, Vysshaia shkola, 1964. 483 p.

STABILITY OF ROCKETS

Stabilizing the motion rockets. A.Potseluev, A. [illegible] doev. Tekh i vooruzh. no. 3:6-11 Mr '64

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING (MICROSCOPY)

Application of bromophenol blue for quantitative histochemical determination of proteins. Report No. 2: Cause of varied staining affinity in corn root tip cells of various ages. V.B.Ivanov. TSitologiia 5 no. 4:[illegible] 473 Jl-Ag '63.

Combined method of staining gynecological biopsies. I.V.Pervozvanskaia. Akush.i gin. 40 no.1:142-143 Ja-F '64.

Method for multicolored staining of the gastric mucosa based on the histochemical detection of acid and neutral mucopolysaccharides, proteins and nucleic acids. M.[illegible] Shubich, G.I Kotakh. Arkh.anat., gist.i embr. 43 no.11:112-113 N '62.

Rapid and stable staining of connective tissue, hyalin, fibrin and fibrinoids. N.Z.Slinchenko. Arkh.pat. 26 no. 2:84 '64.

Shifts in impregnation and peripheral nerve endings of the autonomic nervous system. D Botar. Arkh anat gist.i embr 45 no.11:14-30 N '63

STALINABAD see Dushanbe

STALINGRAD see Volgograd

STALINGRAD PROVINCE see Volgograd Province

STALINO PROVINCE see Donetsk Province

STANDARDIZATION

D.I. Mendeleev's heritage and our tasks. V.V.Boitsov. Izm.tekh. no. 3:1-4 Mr '64.

STANDARDS, ENGINEERING

[Information index of standards] Inform.ukaz.stand. 25 nos.6-7 '64.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

The dispute must continue. IU Kalashnikov. Teatr 24 no.8:71-73 Ag '63

STANOVOY RANGE—GEOLOGY

Lower and upper boundaries of the Stanovoy complex. M.D.Krylova. Trudy Lab.geol.dokem. no.10:149-155 '64.

STANOVOY RANGE—GEOLOGY, STRUCTURAL

Structural relations between the Aldan and Stanovoy complexes. V.A.Glebovitskii. Trudy Lab.geol.dokem. no.19:156-165 '64.

Kurdiukova. Akush.i gin 40 no.1:8-13 Ja-F '64.

Morphological characteristics of staphylococcal pneumonia treated with antibiotics in very young children. A.S.Shelepin. Trudy Tadzh.med.inst. 50:66-71 '61.

Prevention of suppurative infection in puerperants and newborn infants with staphylococcal anatoxin. S.G. Khaskin. Akush.i gin. 40 no.1:13-17 Ja-F '64.

Staphylococcal pneumonia in young children. N.V. Vail'. Trudy Tadzh.med.inst. 50:59-65 '61.

Use of staphylococcal anatoxin for prevention of suppurative diseases in puerperants and newborn infants. A.I.Dmitrieva, B.V.Voskresenskii. Akush.i gin. 40 no.1:22-26 Ja-F '64.

Use of staphylococcal anatoxin in the treatment of mastitis. A.V.Bartels and others. Akush.i gin. 40 no.1:17-21 Ja-F '64.

STAPHYLOCOCCAL DISEASE—PREVENTIVE INOCULATION

(see also subdivision under Leningrad)

Antitoxic antistaphylococcal immunity in puerperants and newborn infants in connection with their immunization with staphylococcal anatoxin. A.M.Dolgopol'skaia. Akush.i gin. 40 no.1:27-31 Ja-F '64.

STAPHYLOCOCCUS

Carrier state of pathogenic staphylococci in persons subjected to active immunization with staphylococcal anatoxin. G.I.Gollus, N.K.Obut-Prave, M R.Sazonova. Akush.i gin. 40 no.1:43-46 Ja-F '64.

Course of pregnancy, labor and the puerperium in conditions of mass immunization with staphylococcal anatoxin. V.K.Prorokova, M.A.Turdakova. Akush.i gin. 40 no.1:36-40 Ja-F '64.

Dynamics of the change in the content of γ - globulins in the process of immunization of pregnant women with staphylococcal sorbed anatoxin. E.P.Fenina. Akush.i gin. 40 no.1:36-38 Ja-F '64.

Effect of immunization with staphylococcal anatoxin on the condition of newborns and infants during the first two months of life. T.V.Pchelintseva, R.A.Pleshanova. Akush.i gin. 40 no.1:40-43 Ja-F '64.

Phage typing of staphylococci, a pathogen of infections in hospitals; review of literature. M.D.Krylova. Akush.i gin. 40 no.1:3-8 Ja-F '64.

Phagocyte reaction in pregnant women and puerperants immunized with staphylococcal anatoxin. N.G.Kosholeva. Akush.i gin. 40 no.1:32-35 Ja-F '64.

STARAYA RUSSA (NOVGOROD PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.

Oldest health resort control and observation station. K.I.Dement'ev. Vop.kur.,fizioter.i lech.fiz.kul't no.6:554-555 '63.

STARODIN REGION (WHITE RUSSIA)—POTASSIUM

Intermittent structure of the lower sylvinite zone of the third potassium horizon in the Starobin deposit. IU.I Lupinovich. Dokl.AN BSSR 8 no.2:111-115 F '64.

STAROBIN REGION (WHITE RUSSIA)—SYLVINITE

Intermittent structure of the lower sylvinite zone of the third potassium horizon in the Starobin deposit. IU.I. Lupinovich. Dokl.AN BSSR 8 no.2:111-115 F '64.

TARS—ABSORPTION SPECTRA

Three-color system for determining interstellar absorption. V.Straizys. Astron.zhur. 41 no.4:750-767 Jl-Ag '64.

STARS—ATMOSPHERES

Sources of opacity in the atmospheres of stars of late spectral classes. V.G.Buslavskii. Vest.LGU 19 no.13:114-124 '64.

TARS—CLUSTERS

Luminosity function of the system of galactic clusters. G.A.Starikova. Astron.zhur. 41 no.4:752-757 Jl-Ag '64.

Structure, population and dimensions of the star cluster NGC 752. N.M.Artiukhina, P.N.Kholopov. Astron.zhur. 41 no.4:743-749 Jl-Ag '64.

TARS—DISTRIBUTION

Investigation of interstellar light absorption and spatial distribution of stars in two regions of the Milky Way in Aquila and Scutum. S.P.Apriamashvili. Biul.Abast.astrofiz.obser no.30:49-69 '64.

TARS—SPECTRA

M stars in the ζ Ophiuchi region. M.V.Dolidze. Biul. Abast.astrofiz obser no.30:71-79 '64.

Spectral energy distribution of late type stars. V.G. Buslavskii. Astron.zhur. 41 no.4:631-636 Jl-Ag '64.

Spectral variability of the supergiant η Leonis. I.F. Malov, E.A.Vitrichenko. Astron.zhur. 41 no.4:637-643 Jl-Ag '64.

TARS, DOUBLE—ORBITS

New determinations of the elements of orbits of visual binaries ADS 5949, 7203, 9166, 9643, 13944, 14099, 14296, 15270, 16591, 16700. A.V.Bespalov. Astron.zhur. 41 no.4:772-773 Jl-Ag '64.

Biul Abast astrofiz obser no 30 45-48 '64

Eclipsing variable V 502 Ophiuchi N.L Magalashvili, IA I.Kumsishvili Biul Abast astrofiz obser no 30 39-43 '64

Electrocolorimetry of RW Aurigae. IA.I Kumsishvili, N L Magalashvili, O P.Abuladze. Biul.Abast astrofiz obser no 30 33-38 '64.

Luminosity of η Aquilae. I.N.Latyshev. Astron.zhur. 41 no.4:644-651 Jl-Ag '64.

Spectrophotometric investigation of RW Aurigae E K Kharadze, R A Bartaia Biul Abast astrofiz.obser no 30 3-20 '64.

Three-color photometry of RW Aurigae L N.Mosidze Biul Abast astrofiz obser no 30 12-32 '64

STARVATION

Characteristics of ascending activation of the cerebral cortex in a state of physical starvation and during pain stimulation. K.V.Sudakov, IU.A.Fadeev. Fiziol.zhur. 49 no.11:1310-1317 N '63.

Content of zinc in the tissues and organs of rabbits during total starvation. L.T.Bolkova. Vop.pit. 22 no.3:47-50 My-Je '63.

STATE, THE

Certain disputed issues in the study of the historical forms of communities of people (tribe, nationality, nation). A.A.Satybalov. Vest.LGU 19 no.11:59-68 '64.

STATE FARMS

(see also subdivision under Chelyabinsk Province; Kalmyk A.S.S.R.)

Distribution of gas to the Lenin State Farm. B.P.Shevelev, A.L.Saltykov Gaz.prom 9 no.7 30-34 '64

STATE FARMS—COSTS see subdivision under Czechoslovakia

STATE FARMS—FINANCE

Semenov, V.N. [Business accounting and state-farm finance] Khoziaistvennyi raschet i finansy sovkhozov. Moskva, Izd-vo "Finansy," 1964. 245 p.

STATE FARMS—LABOR PRODUCTIVITY see subdivision under Saratov Province

STATE FARMS—MANAGEMENT

From losses to profitableness. A.Bgazhba Ekon.sel'khoz. 35 no 6:65-70 Je '64

How we achieved the year-round employment of workers. N.Dubinin. Sov.profsoiuzy 20 no 15 20-21 Ag '61

STATE FARMS—PRIVATE PLOTS

Stronger legal protection of land resources needed. Sov. iust. 28 no 7:1-4 Ap '64.

STATE FARMS—PRODUCTION STANDARDS see subdivision under Dnepropetrovsk Province

STATISTICAL PHYSICS

Derivation of the equation of state for a binary mixture of particles by the method of correlation functions. R.I.Artym, G.A.Spiridonov. Teplofiz.vys temp. 2 no.3.359-366 My-Je '64.

Statistics for certain systems. E A.Zhil'kov. Izv.vys.ucheb.zav., fiz. no.4:168-172 '64.

STATISTICS

Comrade I Karpov's suggestions N.Gorbatov. Vest.stat. no.8 62 '64

Important step toward further improvement of the material welfare of the people. Vest.stat no.8 3-7 '64

Improve the economic information of local administrative organs. A.Ivanov, A.Mirzabaev. Vest.stat. no.7:52-54 '64.

In the Collegium of the Central Statistical Administration of the U.S.S.R. K.Podlutskii Vest.stat. no 8:74-77 '64.

A little-known study on the subject of statistics. S.Ostroumov. Vest.stat. no.7:71-72 '64.

Novikov, V.S., ed. [Collection of problems on economic statistics with instructions for practical studies and seminars] Sbornik zadach po ekonomicheskoi statistike s metodicheskimi ukazaniiami k prakticheskim zaniatiiam i seminaram. [By] G.M.Gurov i dr. Moskva, Statistika, 1964. 247 p. diagrs. (insert)

Statistical problems discussed in newspapers and journals. Vest.stat no.7:79 '64.

Statistical problems discussed in newspapers and journals. Vest.stat. no 8:72-73 '64.

STATISTICS—BIBLIOGRAPHY see Bibliography—Statistics

STAVROPOL—MACHINERY INDUSTRY

"Volga Cement Heavy Machinery Plant" is a leading enterprise of cement machinery construction. S.V.Podyma. TSement 30 no.1.4-6 Ja-F '64.

STAVROPOL REGION—HOMOPTERA, FOSSIL

Bekker-Migdisova, E.E. [Tertiary Homoptera in the Stavropol region] Tretichnye ravnokrylye Stavropol'ia. Moskva, Izd-vo "Nauka," 1964. 107 p. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol.104)

Compulsory agrochemical education in the Stavropol Territory. N.D.Malakhov. Vech.sred.shkola 7 no.2:21-24 Mr-Ap '64.

STAVROPOL TERRITORY—BARLEY

Brewing properties of barley from the Krasnodar and Stavropol Territories. A.P.Zubenko, V.E.Samoilova. Trudy TSentr.nauch-issl.inst.piv.,bezalk.i vin.prom. no.10:51-70 '63

STAVROPOL TERRITORY—GAS WELLS—HYDRAULIC FRACTURING

Hydraulic fracturing in the gas wells of the Stavropol fields V.I.Vetrov Gaz.prom 8 no 2,13-14 '63

STAVROPOL TERRITORY—SHEEP—ECONOMIC ASPECTS

Progressive forms of the organization of work in sheep raising. V.A.Chemm, L.S Aleksandrova. Trudy VIZH 25:234-239 '63

STEAM

Mysteries of the grey steam. V Sychev. Izobr.i rats. no 5:36-37 '64

Nomogram for determining steam content in the bubbling of steam through water V A Suvorov, L P.Borodulina Teploenergetika 10 no 12 89-90 D '63

Parameters of the technological steam for the moistening of fabrics during pressing. L.D.Diablova. Shvein.prom. no.2:7-9 Mr-Ap '64.

STEAM, HIGH-PRESSURE

Supercooling and structure of a stream of wet steam escaping from a tapering nozzle M E Deich, G V TSiklauri Teplofiz vys temp 2 no 3 454-463 My-Je '64

STEAM, SUPERHEATED

Study of the molecular structure of high-temperature steam based on fast electron scattering Part 2 N G Rambidi, V P Spiridonov Teplofiz vys temp 2 no 3 464-478 My-Je '64.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM HEATING

Analytic relationships for calculating heaters with steam heat carriers. N.K Zaitseva Izv vys ucheb zav., energ 7 no 6 82-86 Je '64

Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. [OGKh-6A heating unit; geological prospecting equipment and devices] Otopitel'naia ustanovka OGKh-6A, geologorazvedochnoe oborudovanie i pribory. [n.p.] Gosgeoltekhizdat, 1962. 3 p [MICROFILM]

STEAM POWER PLANTS

Khazen, M.M., I.I.Ivanov, and S.S.Aronovich. [Heat and power systems] Teplosilovoe khoziaistvo. Moskva, Transport, 1964 329 p.

STEAM TURBINES

(see also subdivision under Germany, West)

Calculational relationships for water-jet ejectors. L D. Berman, G I.Efimochkin. Teploenergetika 11 no 7 44-48 Jl '64

Distribution of cooling water in condenser tubes of the K-100-90 LMZ turbine. P.G.Men', V.F.IAnchenko. Izv.vys.ucheb.zav., energ. 7 no.6 109-113 Je '64

Dolitskii, N.I. [Technical and economic indices of the manufacture of stationary steam turbines] Tekhniko-ekonomicheskie pokazateli proizvodstva statsionarnykh parovykh turbin. Moskva, Izd-vo "Mashinostroenie," 1964. 303 p.

Effect of the banding on the mechanical losses due to moisture in a turbine stage. E.E.Markovich. Izv.vys.ucheb.zav., energ. 7 no.7:103-104 Jl '64.

Ievlev, A.V. [Operation of small steam turbine systems] Ekspluatatsiia paroturbinnykh ustanovok nebol'shikh moshchnostei. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 278 p.

Losev, S.M. [Steam turbines and condensing systems; theory, design, and operation] Parovye turbiny i kondensatsionnye ustroistva, teoriia, konstruktsii i ekspluatatsiia. Izd. 10., perer. Moskva, Izd-vo "Energiia," 1964. 375 p. (diagrs. insert)

Prospects for increasing the stability of electric power systems with regulatory action of steam turbines. V.V. Buevich. Sbor.rab.po vop.elektromekh. no.10:126-136 '63.

Study of air emission processes in steam turbine oil drums. S.G Smel'nitskii. V N.Kazanskii. Teploenergetika 11 no.7:71-74 Jl '64

Study of tightening stresses in turbine pins using high-temperature tensiometers. B.L.Levchenko and others. Energomashinostroenie 10 no.5.37-39 My '64

Temperature distribution in the rotor and internal cylinder of a cooled steam turbine. V M.Kapinos and others Teploenergetika 11 no 7 32-37 Jl '64.

Thermodynamic calculation technique of the optimum parameters of the gas section of binary steam and gas systems. A.I.Andriushchenko and others. Izv.vys.ucheb.zav., energ. 7 no.6.54-60 Je '64

STEAM TURBINES (Continued)

[illegible] stiffening the annular ribs [illegible] I Heth Tepl[illegible] 11 no 7 [illegible] Jl '64

[illegible] the [illegible] of optimum [illegible] turbine systems I S [illegible] 10 no 12 26-33 D '63

[illegible] of the several stages of condensing [illegible] Teploenergetika [illegible] Jl '64

STEAM TURBINES—MAINTENANCE AND REPAIR

[illegible] of the rear seal of the VR-25-1 [illegible] Elek sta 35 no 5 81-82 My '64

STEAM TURBINES—SAFETY MEASURES

[illegible] controller as a regulator "toward itself" [illegible] of units B P Murganov [illegible] 24-31 '62

STEAMPIPES

Experimental industrial welding of the main steam line without outgoing insert rings in the Yaroslavl Thermal Electric Power Plant No 3 G M Ginzburg Energ stroi no 33:39-43 '63

[illegible] resistance in the upward motion of a steam and water mixture in [illegible] pipes R I Shnecrova and [illegible] Teploenergetika 11 no 7 24-26 Jl '64

Performance of steam pipes from 1Kh18N12T steel of the [illegible] thermal electric power plant No 3 M IA [illegible] M F Kozheurova G N [illegible] Teploenergetika 10 no 12 60-64 D '63.

Residual stresses in the welded joints of pipelines from [illegible] A V Ratner T G Berezina Teploenergetika 11 no 7 60 63 Jl '64

STEAMPIPES—WELDING

Study of the plasticity of the welded connections of boiler steel A Z [illegible] Teploenergetika 10 no 12 [illegible]-65 D '63

STEARATES

Synergistic effect of potassium stearate on the initiating properties of a manganese catalyst for oxidizing hydrocarbons V. I Gol'dberg, L. K Obukhova, Neftekhimiia 4 no.2 2[illegible]4-237 Mr-Ap '64.

STEEL

Interaction of borosilicate melts and steel. IA. I. Belyi, G. I. Beliaev. Trudy DKHTI no. 16 71-76 '62.

Shifrin, A. Sh., and L. M. Reznitskii. [Cutting corrosion- and heat-resistant steels and alloys and titanium alloys] Obrabotka rezaniem korrozionnostoikikh, zharoprochnykh i titanovykh stalei i splavov. Pod red. L. M. Reznitskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 446 p.

STEEL—ANALYSIS

Steels with a low nickel content for equipment in petroleum refineries. IU. S Medvedev Mash. i neft. obor. no. 4: 23-27 '63.

STEEL—BIBLIOGRAPHY see Bibliography—Steel

STEEL—BRITTLENESS

Effect of sulfuration on the cold brittleness of steel. A. A. Mukhamedov, V V. Chekurov. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:183-186 '64.

Microheterogeneity of deformation in steel subject to temper brittleness IU S Tomenko, I N Driukova Fiz met i metalloved 17 no 5.750-754 My '64

STEEL—CORROSION

Corrosion-resistance of steel-10 in sea water. T. V. Kemkhadze Soob AN Gruz. SSR 33 no. 3:635-642 Mr '64

Effect of certain factors on local steel corrosion in saline soils. G A Allakhverdiev, V. F Negreev. Za tekh. prog 3 no 11:47-48 N '63

Field investigation of the cooling of a well bore and measures for preventing corrosion of underground equipment IU P Miroshnichenko, V I Konovalov, IU IA Berenis Neft khoz 42 no 7 42-45 Jl '64.

STEEL—ELECTROMETALLURGY

Creative potentialities of efficiency promoters at the "Electrostal'" Plant. F Stadnik Metallurg 9 no 7:37 Jl '64.

Dokshitskaia, A. I., and I. A. Gorlach. [Electric furnace smelting of steel for shape casting] Vyplavka stali dlia fasonnogo lit'ia v elektropechakh. Izd 2., perer. Pod red. L. M. Volpianskogo. Moskva, Izd-vo Mashinostroenie, 1964 55 p. (Nauchno-populiarnaia biblioteka rabochego-liteishchika)

STEEL—FATIGUE

Effect of residual stresses on the fatigue strength of steel with a sharp stress concentrator. I. I. Ishchenko, L. A. Malynovs'ka. Dop. AN URSR no. 8:1035-1037 '64.

Impact fatigue of steel subjected to multistage loading. A. IA. Maloletnev. Vest mashinostr. 44 no6 29-31 Je '64.

STEEL—HARDENING

Effect of hardening on the temperature range of internal friction in transformer steel. IU. S Avraamov, A I Anoshin. Fiz met. i metalloved 17 no 4,614-616 Ap '64

Effect of the hardness of steel hardened with high-frequency currents on contact fatigue. M. A. Balter, T V Kostritsa M N Likhovskikh Vest. mashinostr 44 no 6 54-56 Je '64.

Electrothermal hardening of reinforcement bars. B. IA. Riskind Inform biul VDNKH no 2 19-20 F '64

Hardening of rolled wire rod from the rolling temperature by water cooling prior to coiling. I A IUkhvets and others Stal' 23 no 4 364-366 Ap '64

Steel hardening by centrifugal ball burnishing. V B. Fedorov Trudy Ural politekh inst no. 129 39-43 '63.

STEEL—HEAT TREATMENT

Nonoxidative heating of steel parts in electric furnaces. G. F. Degter, V. I. Kharchenko. Gaz. prom. 8 no. 6: 22-23 '63

Uniform and concentrated deformations in hardened and tempered steel. V. G. Batiaikin, A. G. Bobrov, IA. S. Gintsburg. Izv. vys. ucheb. zav., chern. met. 7 no. 7; 153-158 '64.

STEEL—INCLUSIONS

Comparative evaluation of the rate of removal from liquid iron of oxide inclusions formed during the deoxidation by aluminum and silicon. V. A. Mchedlishvili, A. M. Samarin. Trudy Inst. met. no. 14:29-49 '63.

Effect of the time length of holding transformer steel in vacuum and the moment of introducing a deoxidizer on the content of nonmetallic inclusions. V. I. D'iakonov, S. I. Popel'. Sbor. nauch. trud. Ural. politekh. inst. no. 126:18-23 '63.

Measures for the correction of corner segregation and nonmetallic inclusions in wheel steel. E Z. Freidenzon and others Stal' 23 no 4:354-355 Ap '64

Removal of oxide inclusions from steel during deoxidation by iron-silicon-aluminum alloys. A. G. Gabisiani, V. A. Mchedlishvili, G. Sh. Mikeladze. Stal' 23 no. 4 316-318 Ap '64

STEEL—METALLOGRAPHY

Causes of the inability of chilled layers to undergo etching K V. Savitskii, IU I. Kogan, M P. Kudrina. Fiz. met i metalloved 17 no 4:541-546 Ap '64.

Changes in the defects of the crystal structure of martensite at the first stage of decomposition. L. I. Lysak, A. G Drachinskaia. Sbor nauch. rab. Inst. metallofiz. AN URSR no 18:143-151 '64.

Decomposition of the residual austenite of KhVG steel under the effect of ultrasonic vibrations. E G. Aizenson, P A Malinin, A I Uvarov Fiz met i metalloved. 17 no. 5 777-779 My '64

Dendritic heterogeneity and chemical composition of carbides in cast EI481 steel. P. M. Zhurenkov, T. V. Egorshina Izv. AN SSSR. Met. i gor. delo no. 2:105-109 Mr-Ap '64.

Effect of alloying elements on the orientation and the rate of the carbide phase isolation in the decomposition of austenite. M. P. Krulikovskaia, L. I. Lysak. Sbor. nauch rab. Inst metallofiz. AN URSR no. 18:129-135 '64.

Effect of defects in the crystal structure of hardened steel martensite on the mechanism and the kinetics of martensite decomposition. L. I. Lysak, A. G. Drachinskaia, Sbor. nauch. rab. Inst metallofiz. AN URSR no 18 136-142 '64.

Effect of high pressures on transformations during the tempering of ShKh15 steel. L A Mel'nikov, B K. Sokolov, A I Stregulin. Fiz met i metalloved. 17 no 5: 769-772 My '64

Effect of macro- and microheterogeneity of an ingot on the mechanical properties of spring steel. IA. N. Malinochka, G. Z. Koval'chuk Stal' 23 no. 4:362-364 Ap '64.

Investigating final structural deformations and the amount of residual austenite in hardened roll steel. G. I Aksenov, N. P. Morozov, V A. Chaika. Fiz. met. i metalloved 17 no. 5 737-743 My '64.

Measures for the correction of corner segregation and nonmetallic inclusions in wheel steel. E. Z. Freidenzon and others. Stal' 23 no. 4:354-355 Ap '64.

Mechanism of the formation of austenite at high rates of heating. V. N. Gridnev, V. N. Minakov, V. I. Trefilov. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18: 107-114 '64.

Morphology and orientation of *α*-martensite in single crystals of Fe-Mn-C steel. Part 3. L. I. Lysak, B I Nikolin. Fiz. met. i metalloved. 17 no. 5:708-713 My '64.

Orientation and mechanism of the formation of cementite during its isolation from austenite. L. I. Lysak, A. I. Timofeeva. Sbor. nauch. rab. Inst. metallofiz. AN URSR no. 18:152-154 '64.

Studying the relief in $\gamma \to \varepsilon$ transformations in single crystals of Fe-Mn-C steel. L. I. Lysak, B. I. Nikolin, Fiz. met. i metalloved. 17 no. 6:703-707 My '64.

Ways of reducing wheel discards because of angular segregation. V. I. Lapitskii and *others*. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:84-89 '64.

STEEL—METALLURGY

(see also subdivision under Magnitogorsk; Ukraine)

Comparative evaluation of the rate of removal from liquid iron of oxide inclusions formed during the deoxidation by aluminum and silicon. V. A. Mchedlishvili, A. M. Samarin. Trudy Inst. met. no. 14:29-49 '63.

Conference on semi-killed and capped steel. IA. A Shneerov. Met i gornorud prom. no. 6:77-79 N-D '62.

Deoxidation of Bessemer rail steel by means of a complex Mn-Fe-Al liquid alloy. G. V. Bakhtin. Met. i gornorud. prom. no. 6:68-69 N-D '62.

Effect of magnesium oxide on the physicochemical properties of iron silicate melts and froth stability. S. I. Popel', V. I. Sokolov, V. G. Korpachev, Sbor. nauch. trud. Ural. politekh. inst. no. 126:24-33 '63.

Effect of vacuum on an increase in the deoxidizing properties of carbon in iron-carbon melts. Shui Tszia-lun [Hsu Chia-lung], A. IU. Poliakov, A. M. Samarin. Izv. AN SSSR. Met. i gor. delo no. 2:17-25 Mr-Ap '64.

Making 14GN steel in a 370-ton open-hearth furnace. G N. Kamyshev, G G Alekseenko Metallurg 9 no 5:15-16 My '64

Mechanism of the removal of nonmetallic inclusions from drops of steel moving in slag. V. V. Khlynov and others Izv. AN SSSR. Met. i gor. delo no. 2:20-30 Mr Ap '64.

Progressive practices should be made available to every worker. B. Sergeev Metallurg 9 no. 7:31-35 Jl '64

Prokhorenko, K. K., and others. [Making and pouring quality steels] Vyplavka i razlivka kachestvennykh stalei. Moskva, Izd-vo Metallurgiia, 1964. 200 p.

Removal of oxide inclusions from steel during deoxidation by iron-silicon-aluminum alloys. A. G. Gabisiani, V. A. Mchedlishvili, G. Sh. Mikeladze. Stal' 23 no 4 316-318 Ap '64.

Samarin, A. M., ed. [Steelmaking; a handbook] Staleplavil'noe proizvodstvo, spravochnik. Moskva, Metallurgiia.

Vols. 1-2. 1964. 2 v.

Using compacted addition alloys in the production of low carbon steel with zirconium. E. V. Tret'iakov and others. Met. i gornorud. prom. no. 6:29-30 N-D '62.

Vsesoiuznoe soveshchanie po splavam redkikh metallov. 1963. [Theory of rare-earth metals and their applications; materials] Voprosy teorii i primeneniia redkozemel'nykh metallov; [materialy]. Moskva, Nauka, 1964. 270 p.

STEEL—OXYGEN CONTENT

Changes in oxygen content during the smelting and pouring of open-hearth steel. A. G. Gabisiani and others. Soob. AN Gruz. SSR 33 no. 3:627-633 Mr '64.

Using a correlative analysis for the study of oxygen absorption by an open-hearth furnace bath from the furnace atmosphere. O. D. Zorin, A. D. Kutsenko. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:60-76 '64.

STEEL—QUENCHING

Effect of ultrasonic waves on the formation of carbide grains during the quenching of hardened carbon steel. E. G. Aizentson and others. Fiz. met. i metalloved. 17 no. 4:624-627 Ap '64.

STEEL—TESTING

Certain regularities in the dynamic hardness of steel. M. S. Drozd, G. IU. Stoliarov. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:176-182 '64.

Determination of the brittle strength of steel in the series of bend and tensile tests. V. A. Bykov, G. N. Vsevolodov, Z. L. Kazimirskaia. Zav. lab. 30 no. 6:749-750 '64.

Effect of mercury coatings on the character of the failure of steel specimens. M. N. Gavze. Izv. AN SSSR. Met. i gor. delo no. 2:143-148 Mr-Ap '64.

Effect of the density of ShKh15 steel made with electric slag and vacuum refining on its cyclic strength. G. V. Karpenko, A. B. Kuslyts'kyi, IU. I. Babei. Dop. AN URSR no. 8:1063-1066 '64.

Method of detecting the effect of local defects in steel on its mechanical properties. A. M. Usov, T. V. [illegible] Zav. lab. 30 no. 6:743-744 '64.

Silkin, E. A. [Impact cyclical strength of steels used in the manufacture of agricultural machinery] Udarno-tsiklicheskaia prochnost' stalei primeniaemykh v sel'skokhoziaistvennom mashinostroenii. Pod red. A. F. Zasovoi. Moskva, Izd-vo "Mashinostroenie," 1964. 89 p.

STEEL—WELDING

Kasatkin, B. S. [Mechanized welding of steel under flux] Mekhanizirovannaia svarka stali pod fliusom. Kiev, "Tekhnika," 1964. 109 p.

Medovar, B. I. [Welding of austenite steels and alloys] Svarka austenitnykh stalei i splavov. Kiev, Tekhnika, 1964. 183 p.

STEEL, HEAT RESISTANT

Moscow. Institut metallurgii. [Study of steels and alloys] Issledovaniia stalei i splavov. Moskva, Nauka, 1964. 390 p.

STEEL, HEAT RESISTANT—ELECTROMETALLURGY

Industrial adoption of the smelting of a new stainless, heat-resistant CN-2 (EI904) steel. P.I Melikhov and others. Stal' 23 no 4.320-323 Ap '64.

STEEL, HEAT RESISTANT—METALLOGRAPHY

Effect of tungsten, molybdenum, and carbon on crystal structure changes of the component phases in austenitic steels during the decomposition of a super-saturated γ-solid solution. M.P. Krulikovskaia, L.I. Lysak. Sbor nauch. rab. Inst. metallofiz. AN URSR no.18 123-128 '64

STEEL, STAINLESS

Cleaning and finishing the surface of stainless steel strip and sheet. V.G. Ledkov, R.I. Markov Stal' 23 no.4:343-345 Ap '64.

Resistance of stainless steel to cavitation wear and sand erosion. D.E. Blium, V V Levitin. Energomashinostroenie 10 no 5 34-36 My '64.

Review of F.A. Ksenzuk's, and N.A. Troshchenkov's book "Rolling and finishing of stainless steel strip." A.A. Babakov and others. Stal' 23 no.4 348 Ap '64.

STEEL, STAINLESS—CORROSION

Corrosion of stainless steels in naphthenic acids. Z.G Farza-libekova, N.G. Kasum-Zade. Azerb. neft khoz. 43 no.5:44-45 My '64.

Effect of electrohydraulic treatment on the tendency toward intergranular corrosion of OKh18N10T steel pipe O V Donskoi, E IU. Chemadurova, G N IAkovleva. Avtom. svar. 17 no.7:79-82 Jl '64.

STEEL, STAINLESS—ELECTROMETALLURGY

Industrial adoption of the smelting of a new stainless, heat-resistant CN-2 (EI004) steel. P.I Melikhov and others. Stal' 23 no.4 320-323 Ap '64

STEEL, STRUCTURAL

Practices in manufacturing elements of thermally treated St 3 steel A D. Bondarenko, A.G Bekker, L B TSal'man Prom. stroi. 41 no.7;36-39 Jl '61

STEEL, STRUCTURAL—STANDARDS

Russia (1917- R.S.F.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard time norms for preparing structural steel elements and parts for industrial buildings and installations] Tipovye normy vremeni na izgotovlenie stroitel'nykh stal'nykh konstruktsii i detalei dlia promyshlennykh zdanii i sooruzhenii. Moskva, Stroiizdat, 1964. 90 p.

STEEL, STRUCTURAL—WELDING

Welding of nonstandard rolled products is a potential for increasing the output of marketable merchandize S.I. Kuchuk-IAtsenko, V T. Cherednichok. Avtom. svar. 17 no 7 67-74 Jl '64

STEEL ALLOYS

Effect of tungsten, molybdenum, and carbon on crystal structure changes of the component phases in austenitic steels during the decomposition of a super-saturated γ-solid solution. M.P. Krulikovskaia, L.I. Lysak. Sbor. nauch. rab. Inst. metallofiz. AN URSR no.18.123-128 '64.

STEEL ALLOYS—ANALYSIS

Macrostructure and chemical heterogeneity of 18-ton, low-carbon steel ingots with an addition of aluminum. M.I. Vainshtok, P.P. Arsent'ev, S.I. Filippov. Izv. vys. ucheb. zav.; chern. met. 7 no.7:77-83 '64.

STEEL ALLOYS—HARDENING

Hardenability of complex alloys steels. M.P. Braun. Izv. AN SSSR. Met. i gor. delo no.2:137-142 Mr-Ap '64.

STEEL ALLOYS—HEAT TREATMENT

Electric heat treatment of 30Kh3 steel. I.N. Kidin, V.I. Lizunov. Izv. vys. ucheb. zav.; chern. met. 7 no.7: 171-175 '64.

STEEL ALLOYS—METALLOGRAPHY

Effect of alloying on the diffusion of phosphorus in austenite V.V Mural', P.L. Gruzin. Fiz. met i metalloved. 17 no.5 702-705 My '64

STEEL CASTINGS

Dendritic heterogeneity and chemical composition of carbides in cast EI481 steel. P.M. Zhurenkov, T.V. Egorshina. Izv. AN SSSR. Met. i gor. delo no.2:105-109 Mr-Ap '64.

STEEL INDUSTRY

(see also subdivision under Azerbaijan; Zlatoust, Chelyabinsk Province)

Efforts to produce more and a better quality of metal. I.I. Kostiukov. Metallurg 9 no.7:1-2 Jl '64.

Metallurgy's contribution to chemistry. V.V. Lempitskii. Metallurg 9 no.7.3-4 Jl '64.

Review of N.P. Bannyi's book "Technical and economic calculations in ferrous metallurgy." T.G. Ben', I.S. Kagan. Stal' 23 no.4:370-371 Ap '64.

STEEL INDUSTRY—ACCOUNTING

(see also subdivision under Makeyevka, Donetsk Province)

Introducing progressive practices in the planning and recording of the output of economical types of rolled products I G Bukhvostov Metallurg 9 no 5 27-28 My '64

STEEL INDUSTRY—FINANCE see subdivision under Krivoy Rog Basin

STEEL INDUSTRY—MANAGEMENT

(see also subdivision under Kuznetsk Basin)

Fal'tsman, V.K. [Methods of operational planning in nonferrous metal plants] Metodika operativnogo planirovaniia na zavodakh chernoi metallurgii. Moskva, Izd-vo Metallurgiia, 1964. 90 p

STEEL INGOTS

Breaking away of the stoppers O V Trifonov, N K Gorokhov Metallurg 9 no.5 16-19 My '64

Conditions of cutting hot blanks with blooming mill shears. A I. Kalinin. Met. i gornorud prom. no 6· 59-61 N-D '62.

Production of dense ingots of transformer steel. N.M Chuiko, A.T. Perevlazko, E.I. Moshkevich. Met. i gornorud. prom. no.6;14-15 N-D '62.

STEEL INGOTS—TESTING

Effect of macro- and microheterogeneity of an ingot on the mechanical properties of spring steel IA N. Malinochka, G.Z Koval'chuk. Stal' 23 no.4·362-364 Ap '64.

Macrostructure and chemical heterogeneity of 18-ton, low-carbon steel ingots with an addition of aluminum. M.I. Vainshtok, P.P. Arsent'ev, S.I. Filippov. Izv. vys. ucheb. zav., chern. met. 7 no.7:77-83 '64.

STEEL PIPE see Pipe, Steel

STEELWORKERS see Iron and steel workers

STEPANAVAN DISTRICT—B C G VACCINATION

Experience in control of tuberculosis. I.M. Akopian. Probl. tub 42 no.1:12-15 '64.

STEPPE FLORA see subdivision under Caspian Sea region; Indigirka Valley

STEREOCHEMISTRY

Stereochemistry of cyclic compounds. Report No.59; Action of hypobromous acid on 13-methyl-7-keto-$\Delta^{4(12)}$-dodecahydrophenanthrene-cis-1,2-dicarboxylic acid and its diester. I.A. Gurvich, V F. Kucherov Izv. AN SSSR. Ser. khim. no.7·1241-1245 Jl '64.

Stereochemistry of the oxidation of geometrical isomers of 13-methyl-7-acetoxy-Δ4(12)-dodecahydrophenanthrene-1,2-dicarboxylic acid and their derivatives. V.F. Kucherov, I.A. Gurvich, I.M. Mil'shtein. Dokl. AN SSSR 158 no.1:159-162 S-O '64.

Stereochemistry of 2- and 6-alkyl-2-phenylcyclohexanes. A.N. Kost and others. Zhur. ob. khim. 34 no.7·2416-2421 Jl '64.

STEREOPHONIC SOUND SYSTEMS

Stereophonic low-frequency amplifier. IU. Kudriavtsev. Radio no.1·44-47 Ja '64.

STERIC HINDRANCE

Sterically hindered aminophenols and quinodiazides. G.A. Nikiforov, V.V. Ershov. Izv. AN SSSR. Ser. khim. no.7:1336-1337 Jl '64.

STERILITY

Apropos of ozocerite treatment in sterility combined with other methods of conservative therapy under ambulatory conditions. M.V Zhurba. Akush. i gin. 40 no.1: 110-113 Ja-F '64.

STERILITY IN ANIMALS

(see also subdivision under Kostroma District)

Logvinov, D.D. [Veterinary obstetrics and gynecology] Veterinarnoe akusherstvo i ginekologiia. Kiev, Izd-vo "Urozhai," 1964. 436 p.
(DNAL)

Prophylaxis and treatment of sterility in animals P.A Voloskov and others Veterinariia 41 no.4 81-88 Ap '64

STERILITY IN PLANTS

Male sterility of flowers in onions (variety "Markovskii, improved") M.I Krylova. Bot zhur. 49 no.5 739-742 My '64.

STERLITAMAK (BASHKIRIA)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Poster honoring a propagandist. Agitator no.10;25-26 My '64.

STEROID HORMONES

Methodology for quantitative determination of steroid hormones using the FEK-M apparatus. IU.E. Vel'tishchev, L.P. Gavriushova. Lab delo no.7:417-418 '64.

STEROIDS

New synthesis of an analog of steroid compounds without the ring B. A.A. Akhrem, IU A. Titov, Z.A. Kravchenko. Izv. AN SSSR. Ser. khim. no.7:1355 Jl '64.

Reactivity of some links of the endocrine system in various forms of the course of schizophrenia Report No.1 Condition of the reactivity of the endocrine system in paranoid and nuclear forms of schizophrenia. E.I. Minsker. Zhur. nevr. i psikh 63 no 9 1388-1397 '63

STEROLS

Nature of the sterols of sunflower seed oil N I Kozin, M S Kastornykh. Masl-zhir. prom 30 no 7·11-12 Jl '64

STILBENE CRYSTALS—SPECTRA

Spectra of a crystalline stilbene solution in tolan examined in polarized light N.N. Malykhina, M T. Shpak. Opt i spektr. 17 no 2 235-243 Ag '64

STIMULANTS

Comparative effect of the extracts of ginseng and carline thistle on the duration of forced swimming of white mice. V E. Kolla, E.E. Belen'kii Mat. k izuch. zhen' i drug lek rast Dal' Vost. no.5:115-117 '63

Effect of caffeine, ginseng and dibazol on the work of proofreaders. E.E. Belen'kii. Mat. k izuch zhen'. i drug. lek. rast. Dal'. Vost. no 5;105-110 '63.

Effect of ginseng and Eleutherococcus on the indices of the work of radiotelegraph operators M A Medvedev. Mat. k izuch. zhen'. i drug. lek rast Dal' Vost. no 5; 237-240 '63.

Effect of stimulants increasing the resistance of the nervous system under low barometric pressure G G. Zozulia Sbor. nauch rab stud Volg gos med inst no.1:31-36 '60

Effect of tinctures of the roots, stems and leaves of Eleutherococcus and ginseng on the mental work of man, a proofreading test. P.P. Golikov. Mat. k izuch. zhen'. i drug. lek. rast. Dal' Vost. no 5;233-235 '63.

STOCK AND STOCKBREEDING

(see also subdivision under Chuvashia, Kara Kum Canal region, Kostroma Province, Orekhovo-Zuyevo District)

Antibiotics in animal husbandry. N.I. Leonov. Khim v sel'. khoz. 2 no.4;49-51 Ap '64.

Stockbreeding at the Exhibition of Achievements of the National Economy of the U.S.S.R. in 1964. A.D. Nefedov. Inform. biul VDNKH no.2 1-2 F '64

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet nos.14-16 Jl-Ag '64.

STOCK AND STOCKBREEDING—ECONOMIC ASPECTS see subdivision under Kostroma Province

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

[Mechanization in animal husbandry] Mekhanizatsiia v zhivotnovodstve. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1963. 287 p.
(DNAL)

STOCK AND STOCKBREEDING—RESEARCH

Work results of the All-Union Scientific Research Institute of Animal Husbandry for 1961 A.S. Vsiakikh. Trudy VIZH 25;3-33 '63

STOCK AND STOCKBREEDING—STUDY AND TEACHING

All-Union seminar of the heads of the departments of livestock feeding. Izv. TSKHA no.6:225-228 '63.

STOLPER, ALEKSANDR BORISOVICH

At our editorial office. Sov. voin 46 no.9:46 My '64.

STOMACH

Cholinesterase, monoamine oxidase and histaminase activity in the mucosa of different segments of the stomach. L.N. Karpenko. Vop. med. khim. 9 no.2:133-136 Mr-Ap '63.

Morphological changes in the gastric mucosa following an extensive resection of the small intestine. G.IA. Odishvili, L.Sh. Tevdoradze, G.V. TSitskishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:143-150 '63.

Some changes in the respiration, cardiovascular system, morphological composition of the blood, and the temperature reaction in dogs during thermal irritation of the gastric mucosa IU.E. Zgural'skii, N.A. Petrushova Sbor. nauch. rab. stud. Volg. gos. med inst. no.1·50-59 '60.

STOMACH—CANCER

Antigen structure of tumors in man. Report No.3: Comparative analysis of stomach cancer tissue. L.A. Liudogovskaia, V.S. TSvetkov, V.P. Kiriukhin. Vop. onk. 10 no.3·18-22 '64.

Erythrocytosis of the blood in cancer of the cardial part of the stomach. G.V. Krikunenko. Vop. onk. 10 no.3: 76-82 '64.

Insufficiency of the esophago-gastric and esophago-intestinal anastomosis following radical surgery for cancer of the cardia and esophagus. T.V. Kotlukova. Grud. khir. 5 no.5:76-80 S-O '63.

Study of the antigen structure of tumors in man. Report No.2: Purification of specific immune sera to stomach cancer in man. V.S. TSvetkov, L.A. Liudogovskaia. Vop. onk. 10 no.3:16-18 '64.

Unusual localizations of metastases in stomach cancer. A.L. Bogoslavskii. Vop. onk. 10 no.3:105-110 '64.

STOMACH—DISEASES

Results of compound treatment of gastric dyspepsia at Karlovy Vary. J Shee, J Berda. Vop kur fizioter i lech fiz kul't no 6 530-535 '63

STOMACH—INFLAMMATION

Effect of the mineral water of the Issyk-Ata Health Resort on the secretory function of the stomach in gastritis with different degrees of acidity. N. N. Morozova, I. D. Troshina. Sov. zdrav. Kir. no.6 35-38 N-D '63

Proteins and mucoproteins of the gastric juice in various forms of chronic gastritis. IU. I. Reutskii, E. M. [illegible], D. D. [illegible]. Fiziol zhur [Ukr.] 9 no 6 773-779 N-D '63

STOMACH—INNERVATION

Effect of prolonged minimal stimulation of the interoceptors of the stomach on the electrical activity of the brain in rabbits. R. M. Melikov. Dokl AN Azerb SSR 20 no.3:69-74 '64

Sensory innervation and state of the tissue elements in the stomach wall following vagotomy. L. I. D'iachkova. Arkh. anat., gist i embr. 45 no.12 30-39 D '63

STOMACH—SECRETIONS

Changes in gastric secretion in peroral administration of radioactive sodium. S. R. Perepelkin. Med rad. 8 no 12 38-42 D '63

Effect of gallbladder stimulation on the secretory and motor function of the stomach in man. M. I. Chudakov. Fiziol. zhur. 10 no.1 129-131 '64.

Effect of morphine on the secretory and motor functions of the stomach in human beings. A. P. Peleshchuk. Fiziol zhur [Ukr.] 9 no 6 763-774 N-D '63

Effect of the mineral water of the Issyk-Ata Health Resort on the secretory function of the stomach in gastritis with different degrees of acidity. N. N. Morozova, I. D. Troshina. Sov. zdrav. Kir. no 6 35-38 N-D '63.

Electrogastrogram depending on the nature of the irritant. I. V. Kozhevnikova. Sbor nauch rab stud Volg gos med inst no 1 44-49 '60

Method of examining gastric secretion in very young children. M. B. Kossiura. Trudy Tadzh med. inst. 50:133-138 '61

STOMACH—SURGERY

Treatment of mechanical jaundice. G. D. Ioseliani, G. V. Kakhidze. Trudy Inst. eksp i klin. khir. i gemat AN Gruz. SSR 11:131-138 '63.

STOMACH—ULCER

Effect of pantothenic acid and a mixture of globulins and histamine in experimental gastric ulcer. P. Georgiu, D. Dobiescu. Farm. i toks 26 no 2 225-227 Mr-Ap '63.

STOMATOLOGY

Characteristics of scientific investigations concerning Soviet stomatology during the postwar years. I. Kh Pinskii. Nauch trudy Kub gos med inst. 19 212-228 '62

Materials on the history of the development of Soviet stomatology during the postwar years (1946-1958) I. Kh Pinskii. Nauch. trudy Kub gos med inst 19 193-211 '62

STONE

Rodin, B. M. [Sawed stone quarries, their design and operation] Kar'ery pil'nogo kamnia, proektirovanie i ekspluatatsiia. Kiev, "Budivel'nyk," 1964. 175 p.

STONE, CRUSHED

Some characteristics of the mechanical crushing of rocks under static, impact, and intermittent stresses. S. A. Pankratov, G. D. Khlebnikov. Dokl. AN SSSR 157 no.4: 816-821 Ag '64

STONECUTTERS

Performance of a stonecutting machine with heavy feeds. M. Sh. Liandres. Stroi. mat. 9 no.6:3-5 Je '63.

STOPING (MINING)

(see also subdivision under Nikopol' region, Dnepropetrovsk Province)

Liberation of gas from a seam during large loads in a stope. V. V. Sobolevskii, I. E. Beltanin. Ugol' Ukr. 7 no 12:48-50 D '63

Possibilities of the wide use of 24 hour shift brigades in long-wall mining with cutter-loaders. IU. IA. Kachko, A. I. Vorob'eva. Ugol' Ukr. 7 no. 12 45-48 D '63.

Regularities of the manifestation of rock pressure and selecting the order of stoping during the mining of thick and very thick deposits in the Krivoy Rog Basin. I. A. Kucherenko. Sbor nauch trud KGRI no 23 70-76 '63

Ventilation of stopes during intensive stoping operations. A. Sh. Zel'vianskii. Ugol' Ukr. 7 no. 12 3-4 D '63

Working flat seams with high loads in stopes. V. M. Siniugin, A. I. Serdiuk, I. D. Fuks. Ugol' Ukr 7 no. 12: 1-3 D '63

STOPING (MINING)—EQUIPMENT AND SUPPLIES

The KM-100 unit. R. Bliumkin. Sov. shakht. 13 no. 4: 16 Ap '64.

STORAGE BATTERIES

Effect of the branching of the current conducting lattice on the operation of the plates of a lead storage battery. V. S. IAnchenko, I. A. Selitskii. Elektrotekhnika 35 no 5 42-44 My '64

Increase in the specific characteristics of alkaline iron-nickel diesel locomotive storage batteries. F. F. Tomashevskii, P. V. Chudakova, M. I. Matveeva. Elektrotekhnika 35 no 5 40-42 My '64

Service logs and storage batteries. V. Chuiskii, A. Budnikov. Tekh i vooruzh no 3:70-71 Mr '64

STORES, RETAIL—STATISTICS

Specialization of trade organizations and progressive trade forms. L. Nagovitsina. Vest stat no 8 29-34 '64

STRAINS AND STRESSES

Average specific pressure during the transverse upsetting of cylindrical blanks. Dzh M Lomsadze, L. N. [illegible]. Trudy GPI [Gruz.] no 4 109-112 '62

Calculation of stresses in the wall of a pipe in nonsymmetrical pipeline hoisting. V. L. Berezin, K. E. Rashchepkin, E. M. IAsin. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:95-101 '63.

Calculation of the tension of elements of stressed reinforcements of reinforced concrete structures according to their "deformations". A. M. Mukhitdinov. Sbor. nauch. trud. NII po stroi. ASiA no 4,3-9 '63.

Changes of the stressed state of the massif and pressure on the support in a widely worked-out area. V. N. Taninskii. Trudy Inst. gor. dela AN Kazakh. SSR 12: 88-121 '63.

Characteristics of the accumulation of fatigue damage in case of nonstationary stress spectra expanding under the initial fatigue limit. M. E. Garf, E. G. Buglov, V. E. Pavlovskii. Vest. mashinostr. 44 no6 23-25 Je '64.

Determining power conditions in the drawing of metals. P. S. Dobordzhginidze. Trudy GPI [Gruz.] no. 4 199-205 '62

Determining strength potential for the general case of nonstationary conditions of the work of a part. R. S. Kinasoshvili. Vest. mashinostr 44 no 6:32-34 Je '64.

Dynamic field of stresses in an elastic half-space under the action of an axially symmetric distributed load. V. S. Nikiforovskii. PMTF no.2:81-89 Mr-Ap '64.

Effect of anisotropy on the creep of concrete in compression and tension depending on the stress value. K. S. Karapetian. Dokl. AN Arm. SSR 39 no.1:19-20 '64.

Effect of overstressing and heating produced by it on the deflection of the specimen during testing under conditions of bend with rotation. L. N. Molchanov. Zav. lab 30 no. 6 741-743 '64.

Effect of repeated stress and recovery on the relaxation resistance of wire for prestressed reinforced concrete. V. I. Kokhno. Stal' 23 no. 4 375-377 Ap '64

Effect of stresses below the fatigue limit on the durability of parts operating under variable loads. N. F. Redkovets. Vest mashinostr. 44 no. 6.26-29 Je '64.

Elastoplastic stress distribution around a square-like hole. V. S. Sazhin. Inzh. zhur. 4 no. 2:364-368 '64.

Relaxation vibrations during the drawing of wire. IU. A. Kashin. Izv. AN SSSR. Met i gor. delo no. 2:75-84 Mr-Ap '64.

Results of determining stresses in pillars by the unloading method at the Polysaevo-Severnaya Mine. S. T. Kuznetsov, F. P. Bublik, G. A. Ivanov. [Trudy] VNIMI no. 47:41-46 '62.

Strength calculation under nonstationary conditions of variable stresses. B. Z. Slobin. Vest. mashinostr. 44 no 6:19-43 Je '64.

Stress concentration near curvilinear holes on the side surface of a circular cylinder. A. N. Guz'. Inzh. zhur. 4 no. 2 360-364 '64.

Stress distribution in the roof of a chamber with blocks in various positions. A. N. Vasil'ev. Trudy Inst. gor. dela AN Kazakh. SSR 12:81-87 '63.

Stressed state in an elastic cylinder loaded with tangential forces along the side surface. P. Z. Livshits. Izv. AN SSSR. Mekh. i mashinostr. no. 4:105-115 Jl-Ag '64.

Stretching and bending of a laminated beam. V. M. Podrez. Sbor. rab. po vop. elektromekh. no. 10 226-240 '63.

Study by the photoelastic method of the stressed state of rocks around sublevel entries in thick steeply pitching seams. E. A. Zimina, E. N. Tarasenko. Zap. LGI 48 no. 1:3-11 '63

X-ray determination of secondary stresses and the size of blocks in thin permalloy films. V. P. Skvorchuk, G. V. Kar'kova. Sbor. nauch. rab Inst. metallofiz. AN URSR no. 16 187-188 '64.

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRATIGRAPHIC MICROPALEONTOLOGY see Micropaleontology, Stratigraphic

STRATIGRAPHIC PALEONTOLOGY see Paleontology, Stratigraphic

STRAUSS, JOHANN, 1825-1899

Mellikh, E. I. [Johann Strauss; from the history of the Viennese waltz] Iogann Shtraus; iz istorii venskogo val'sa. Izd 2., dop. Leningrad, Muzyka, 1964. 175 p. illus.

STRAWBERRIES—VARIETIES see subdivision under Apsheron Peninsula

STREAM CROSSING, MILITARY

Crossing under fire. V. Potekhin. Starsh.-serzh. no 7 10-11 Jl '64

Engineer support in forcing crossings. Voen. vest. 44 no.7:19-19 Jl '64.

Exercise with an assault crossing platoon. V. Maksimov. Voen. vest. 43 no. 4.80-83 Ap '64.

Ferry crossing. A. Titusov. Voen. vest. 44 no. 7:26-30 Jl '64.

From what is skill formed. N. Popov. Voen. vest. 44 no. 7:31-35 Jl '64.

Overcoming wide rivers. K. Kostenko. Voen. vest. 44 no. 7:20-26 Jl '64.

When the "enemy" defends a river. F. Semianovskii. Starsh.-serzh no 7 18-21 Jl '64

STREAM MEASUREMENTS

Study of liquid integrating floats in river streams. V. I. Rusakov. Meteor. i gidrol no 7.44-50 Jl '64

STREET RAILWAYS

Bondarevskii, D. I., M. G. Tregubenko, and M. S. Chertok. [Textbook for studying the regulations of the technical operation of tramways] Posobie dlia izucheniia pravil tekhnicheskoi ekspluatatsii tramvaev. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 302 p.

STREETCARS see subdivision under Moscow

STRELETSKOYE STEPPE PRESERVE—PASTURES AND MEADOWS

Role of rhizomatous grasses in the dynamics of the green mass in some communities of the Streletskoye Steppe. D. Redulesku-Ivan. Bot. zhur. 49 no. 7:1035-1045 Jl '64.

STRENGTH OF MATERIALS

Akademiia nauk Kirgizskoi SSR, Frunze. Institut fiziki, matematiki i mekhaniki. [Problems of strength and elasticity] Voprosy prochnosti i plastichnosti. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 81 p.

Anisotropic case hardening of a plastic layer compressed by rough plates. G. I. Bykovtsev. Dokl. AN SSSR 157 no 1 66-68 Jl '64

Compressive strength of metal-ceramic copper at elevated temperatures. A. P. Savitskii and others. Izv. vys. ucheb. zav.; fiz. no. 1:39-40 '64

Effect of cyclic loading of an ultrasonic frequency on the static mechanical characteristics of copper. V. O. Konovalov, A. L. Skripaichenko. Dokl. AN BSSR 7 no. 12.817-820 D '63.

Intensifying the quenching stresses in glass for the purpose of further hardening. I. A. Boguslavskii, L. P. Vitman, O. I. Pukhlik. Dokl. AN SSSR 157 no. 1 87-90 Jl '64.

Method of evaluating the fatigue strength during separation of the process of cyclic stress into two stages. R. D. Vagapov. Zav. lab. 30 no. 6.733-738 '64.

Simplified rating of the strength of rocks. I. V. Makarov. Izv. SO AN SSSR no. 2. Ser. tekh. nauk no. 1:101-105 '64

Stepin, P. A. [Strength of materials] Soprotivlenie materialov. Izd. 2. Moskva, Vysshaia shkola, 1964. 397 p.

STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC.

Beliavskii, S. M. [Manual for the solution of problems on the strength of materials] Rukovodstvo k resheniiu zadach po soprotivleniiu materialov. Moskva, Vysshaia shkola, 1964. 316 p.

STREPTOCOCCUS

Simple method for the determination of antistreptolysin O titer in blood serum. N. Lazarev. Lab. delo no. 7 403-405 '64

Use of human blood erythrocytes for the determination of antistreptolysin O titer. V. N. Anokhin, V. L. Cherkasov. Lab. delo no. 7 406-407 '64

STREPTOMYCIN

The course of aseptic tuberculous inflammation under the influence of basic antituberculous preparations. G. A. Mikhailets, G. O. Loogna. Pat fiziol. i eksp. terap. 6 no. 4:41-44 Jl-Ag '62.

Electroreduction of oxygen in sulfate solutions of streptomycin [with summary in English]. N. E. Khomutov, V. V. Skorniakov. Zhur. fiz. khim. 38 no. 2:342-344 F '64.

STRESS (PHYSIOLOGY)

Changes in the protein fractions of the blood serum in dogs during muscle activity of various intensity. N. N. Dydenko. Fiziol. zhur. 10 no. 1:56-60 '64.

STRESS (PHYSIOLOGY) (Continued)

Effect of predominant carbohydrate nutrition in iodine deficiency associated with some functional stresses on the development of experimental goiter A.I. Shteberg, I.A.Kusevitskii Vop.pit, 23 no 1:43-51 Ja-F '64

Histamine - histaminase system in the state of stress caused by increased muscular work and chilling. K.A. Korovnikov. Vop.med.khim. 9 no.2:137-142 Mr-Ap '63.

Human protein requirements during performance of work. IA.Gontsta, P.Sutescu, D Dumitrache. Vop.pit. 22 no.3:3-8 My-Je '63

X-ray diagnosis of stress urinary incontinence in women. A.N.Tetradov. Urologiia no.1 29-32 '64.

STRIKES AND LOCKOUTS see subdivision under France; Japan

STRIP MINING
(see also subdivision under Krivoy Rog Basin, Olenogorsk region, Murmansk Province; Tikhvin region, Leningrad Province)

Analytic estimate of the unfolding of mining operations during the working of steep ore bodies of regular shape A.A Eshchenko. Sbor.nauch.trud KGRI no.15,22-40 '63

Dependence of the coefficient of the loosening up of rock on the technology of blasting operations in a strip mine. A.P Tkachenko and others. Sbor.nauch trud KGRI no 23 43-47 '63

Determining the final depth of open pits A I. Arsent'ev. Sbor.nauch.trud.KGRI no 10:97-114 '61.

Effect of indices of losses and depletion during development mining of deposits at the end boundaries of a strip mine. A.I.Arsent'ev, A.K.Polishchuk, IA.M Adigamov. Izv.vys ucheb zav., gor zhur 7 no.3: 9-14 '64.

Expansion of the strip mining of coal at the Bashkirugol' Combine. G.M.Baskov. Ugol' 39 no.5:34-38 My '64.

Improvement of the technology of mining operations in strip mines. B.N Tartakovskii and others Ugol' Ukr. 7 no.9:17-19 S '63.

Methods of establishing parameters for strip mining operations. A.K.Polishchuk. Trudy Inst.gor.dela AN Kazakh.SSR 12:178-182 '63.

Prognosis of the condition of strip mine atmosphere. B.IA.Drobot, E.G Morozov, V.M.Dubchuk Sbor nauch trud KGRI no 15 93-105 '63

Reply to the article by A.K.Polishchuk "Methods of establishing parameters for strip mining operations." N.P.Chaiko. Trudy Inst.gor.dela AN Kazakh.SSR 12: 183-186 '63.

Rzhevskii, V.V., V.V.Islomin, and V.S.IAmshchikov. [Technology and the overall mechanization of the open pit mining of coal, ore, and rock products] Tekhnologiia i kompleksnaia mekhanizatsiia otkrytoi dobychi uglia, rud i nerudnykh iskopaemykh. Moskva, Mosk.In-t radioelektroniki i gornoi elektromekhaniki.
No. 6. [Dumping operations in open pit mines] Otval'nye raboty na karierakh.
Pt. 1. [Technological processes] Tekhnologicheskie protsessy. 1963. 151 p.
[MICROFILM]

Using the analytic method to determine the deepening of strip mines with short working trenches. G D Voronkin. Sbor.nauch trud KGRI no 15:74-78 '63.

Using the methods of descriptive geometry in the planning of strip mines. A I.Arsent'ev, A N Tatarin, N.E. Golodnev. Sbor.nauch.trud KGRI no 15 113-122 '63

Variation in the accelerated development of the horizon +0m at the IUGOK open-pit mine. F.K.Alekseev and others. Sbor.nauch.trud.KGRI no.10:115-122 '61

STRIP MINING—LABOR PRODUCTIVITY see subdivision under Krivoy Rog Basin

STROD, IVAN IAKOVLEVICH, 1894-1938

Hero of Yakutia. N.Pologrudov. Voen.-ist.zhur. 5 no.4:106-108 Ap '63.

STROKOVSKII, NIKOALI

Reverse effect. IU.Burtin. Nov.mir. 39 no.12:236-240 D '63.

STRONGYLOIDIASIS see subdivision under Rostov Province

STRONTIUM ISOTOPES

Separation of strontium and calcium in the radiochemical analysis of soils. G.G.Glonti. Zhur.anal.khim. 19 no.5:637-639 '64.

STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Effectiveness of the early use of an artificial kidney in a lethal affection of dogs by incorporated Sr^{90}. M.G. Petrovnin. Med.rad. 8 no.12:31-37 D '63.

STROPHANTHIDIN

Syntheses based on strophanthidin. Part 1: Synthesis of 19-nor-11-deoxycorticosterone and 19-norprogesterone. M.B.Gorovits, N.K.Abubakirov. Zhur.ob.khim. 34 no.7:2456-2462 Jl '64.

STROPHANTHIN

Ability of k-strophanthin and calcium to restore the activity in the frog's heart arrested by cortisone A.G. Saakian, M.I.Kazanchev, V P.Kessel'. Farm.i toks 26 no.2:206-210 Mr-Ap '63.

STROPHANTHIN—PHYSIOLOGICAL EFFECT

Effect of camphor and strophanthin on the cardiovascular system. A.S.Saratikov, L.P Alekseeva Farm.i toks. 26 no.5 584-589 S-O '63.

STRUCTURAL DESIGN

Kazarinova, V.I. [Interrelationship of architecture and structural engineering] Vzaimosviaz' arkhitektury i stroitel'noi tekhniki Moskva, Stroiizdat, 1964. 173 p illus.

Rekach, V.G. [Principles for calculating thin-shell three-dimensional] Osnovy rascheta tonkostennykh prostranstvennykh sistem Moskva, Univ druzhby narodov, 1963. 135 p.

STRUCTURAL FRAMES

Calculation of complex frame systems Sh.S.Karimov. Sbor.nauch.trud.NII po stroi.ASIA no 4:19-32 '63.

Vainberg, D.V., and D.V.Chudnovskii. [Design of three-dimensional frames] Raschet prostranstvennykh ram. Kiev, Gosstroiizdat USSR, 1964. 307 p.

STRUCTURAL GEOLOGY see Geology, Structural

STRUCTURAL STEEL see Steel, Structural

STRUMILIN, STANISLAV GUSTAVOVICH, 1877-

Strumilin, S.G. [Selected works in five volumes] Izbrannye proizvedeniia v piati tomakh. [Moskva, Izd-vo "Nauka"]
Vol. 4. [Essays on the socialist economy of the U.S.S.R.] Ocherki sotsialisticheskoi ekonomiki SSSR. 1964. 466 p.

STUCCO

Using water repellants to prevent the discoloration in masonry and stucco. R.F.Zabelina, S.B.Salidzhanov, Sbor.nauch.trud.NII po stroi.ASIA no.4:78-83 '63.

STUDENT ACTIVITIES

Dedicate every free hour to the goals of education. Nar obr no 8 16p Supplement (insert) Ag '64.

Development of the creative initiative of students. M.Goilov Nar obr no 8:26-28 Ag '64

Friendship between urban and rural children. P.Grankin. Nar obr. no.8:62-67 Ag '64

Pedagogical supervision of the socially useful work of adolescents. V.A.Pitishkin-Potanich. Rad.shk. 42 no.4:95-97 Ap '64.

Student brigades on virgin lands. S.L.Gisin, N.P. Spektor. Teor.i prak.fiz.kul't. 27 no.4:48-50 Ap '64.

We are from the Lvov school.... M.Kaidanovskii. Nar. obr. no 8:33-38 Ag '64

STUDENT AID

Legislative news. Sots.zakon. 41 no.4:70-72 Ap '64.

STUDENT EMPLOYMENT

For progressive forms in the organization of productive work. I I.Kobyliats'kyi, L M Knol' Rad shk. 42 no.4 92-95 Ap '64.

Legislative news. Sots zakon. 41 no.4:70-72 Ap '64.

STUDENTS, CAUCASIAN see subdivision under Zurich

STURGEONS
(see also subdivision under Lena River)

Immunobiological affinity of three sturgeon species. V I. Luk'ianenko. Dokl.AN SSSR 157 no 1:227-229 Jl '61.

STURGEONS—COSTS see subdivision under Rogozhkino region (Rostov Province)

STYLOLITES see subdivision under Caucasus, Northern

STYRENE

Formation of radicals by reaction between a hydroperoxide and a double bond of styrene. E.T.Denisov, L.N. Denisova. Dokl.AN SSSR 157 no.4:907-909 Ag '64.

Methods for the elimination of heat during high-speed low-temperature polymerization of butadiene with styrene in emulsions. I.M.Basiev, IA.B Shainskii. Kauch.i rez. 23 no 7 24-28 Jl '64

Polymerization of a mixture of vinyltoluenes in the presence of various initiators. IU.G.Mamedaliev and others. Azerb.khim.zhur. no.5:35-38 '63.

STYRENE POLYMERS

Effect of artificial crystallization nuclei on the kinetics of crystallization and the mechanical properties of isotactic polystyrene. V.A.Kargin, T.I.Sogolova, N.IA.Rapoport-Molodtsova. Dokl.AN SSSR 156 no.6: 1406-1408 Je '64.

SAM copolymer of styrene. N.F.Usmanova and others. Plast.massy no.2:7-8 '64.

SUBCONSCIOUSNESS

The conscious and the "unconscious" in artistic creation. T.T.Napolova. Nauch.dokl.vys.shkoly, filos.nauki 7 no.1:77-86 '64.

SUBLIMATION (PHYSICAL SCIENCES)

Recovery of lead and zinc from complex metal ore mattes by sublimation in vacuum R A Isakova, V N.Nesterov, A.L.TSeft Trudy Inst met.i obog AN Kazakh SSR 8 13-18 '63

SUBMARINE BOATS

Under the flag of the motherland. A.Semenov. Voen. znan. 40 no.7:10-11 Jl '64.

SUBMARINE GEOLOGY

Natsional'nyi komitet geologov Sovetskogo Soiuza. [Geology of the bottom of oceans and seas] Geologiia dna okeanov i morei. Moskva, Izd-vo "Nauka," 1964. 139 p. (Its: Doklady sovetskikh geologov. Problema 16)

SUBMARINE MEDICINE

A surgical kit for submarines. I.M.Shliago. Voen.-med. zhur. no.1:71-75 '63.

SUBMARINE TOPOGRAPHY—CHARTS, DIAGRAMS, ETC.

Akademiia nauk SSSR. Institut okeanologii. [The research ship "Ob'," October 1957-July 1958] Ekspeditsionnoe sudno "Ob'," oktiabr' 1957 g.-iiul' 1958 g.
Vols. 1-2. [Bottom relief] Rel'ef dna. 1964. 2 v. (Its. Materialy okeanologicheskikh issledovanii)

SUBSIDENCES (EARTH MOVEMENTS)

Rock bumps and efforts to control them in mines of the Suchan deposit. IA.A.Bich and others Ugol' 39 no.5:64-67 My '64.

SUBSTITUTES FOR METALS see Metals, Substitutes for

SUBSTITUTION (CHEMISTRY)

1-Azabicycles. Part 2: Position of certain groups introduced in some substitution reactions in 1,2-dihydropyrrolizines. L.N.Astakhova, I.M.Skvortsov, A.A. Ponomarev. Zhur.ob.khim 34 no 7:2410-2412 Jl '64.

SUBWAYS—DESIGN AND CONSTRUCTION see subdivision under Leningrad

SUBWAYS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Akhmakov, V.S., comp. [Methodological manual for studying subway relay signaling, interlocking, and block-system apparatus for pursuing signaling, interlocking, and block-system electrician professions] Metodicheskoe posobie po izucheniiu apparatury ustroistv signalizatsii, tsentralizatsii i blokirovki Metropolitena (rele) dlia osvoeniia professii elektromekhanika signalizatsii, tsentralizatsii i blokirovki. Moskva, Ispolnitel'nyi kom-t Mosk.gorodskogo Soveta deputatov trudiashchikhsia, 1963. 49 p.
[MICROFILM]

SUCCINIC DEHYDROGENASE

Comparative histochemical study of the nuclei of specific systems and the reticular formation of the brain in a number of mammals. E.I.Il'ina-Kakueva. Biul.eksp. biol.i med. 55 [i.e.56] no.10:100-105 O '63.

SUCHAN BASIN—COAL

Obtaining shaped metallurgical fuel from Suchan coals E.A.Vinokurova, L.B.Nepomniashchii. Trudy DVFAN SSSR.Ser.khim no.6:14-21 '62.

SUCHAN BASIN—COAL—TESTING

Investigating the coking capacity of Urgal and Suchan coals. E.A.Vinokurova, A.P.Voronchikhina, SH.P. Rutman. Trudy DVFAN SSSR.Ser khim. no.6:29-33 '62.

SUCHAN BASIN—COAL MINES AND MINING

Rock bumps and efforts to control them in mines of the Suchan deposit. IA.A.Bich and others. Ugol' 39 no.5:64-67 My '64.

SUCHAN BASIN—COKE INDUSTRY—BY-PRODUCTS

Determining the output of coke by-products from Urgal and Suchan coals. A.P.Voronchikhina. Trudy DVFAN SSSR.Ser.khim. no.6:39-43 '62.

SUCKER RODS

The IKMSh-16-25 wrench for rod joints of all sizes. M.M.Askerov Mash.i neft obor no.6:10 '63

SUCTORIA

Pathology of infusorians.Report No.2: Life cycles of Suctoria parasiting in Urostyla and Paramecium. A.V. IAnkovskii. TSitologiia 5 no.4:428-439 Jl-Ag '63.

SUDAN—POLITICS AND GOVERNMENT

Who is sowing the rebellion in southern Sudan. P Matveev. Az.i Afr seg. 8 no.6 13-14 Je '64.

SUDOVIKOV, NIKOLAI GEORGIEVICH, 1903

Scientist and teacher N.G.Sudovikov; on his 60th birthday. Vest.LGU 19 no.12:174-176 '64.

SUDZUKHE REGION (MARITIME TERRITORY)—FERNS

[illegible] ferns new [illegible] flora of the U.S.S.R. O. D. [illegible] 9:741 [illegible]

SUGAR—INVERSION

[illegible] Drabkin [illegible] 7:47 Jl [illegible]

SUGAR BEETS

(see also subdivision under Balashov, Saratov Province, Kostroma Province, Kuban)

[illegible] in connec- [illegible] V. A. Panin [illegible]

Plastid apparatus of sugar beet leaves in artificial light A. F. Klishkin, L. A. Khudiarerka. Vestsi AN BSSR. Ser. biial. nav. no. 4.57-59 '62.

Use of dichloropropionate and murbetol in sugar beet fields. N.N Korenev Khim.v sel' khoz. 2 no 4: 40-42 Ap '64

SUGAR BEETS—DRYING

Chemical preparations for the preharvest drying of sugar beet seed plants V.S.Dolia Khim v sel' khoz. 2 no 4 42-43 Ap '64.

SUGAR BEETS—HARVESTING

Mel'nikov, G. A., and L. M. Kobyliakov. [Combines for sugar beet harvesting] Sveklouborochnye kombainy, Moskva, Vysshaia shkola, 1964. 185 p.
(DNAL)

SUGAR BEETS—IRRIGATION see subdivision under Kulunda Steppe

SUGAR IN THE BODY

Modification of the anthrone method for determining sugar in the blood, excretions and some foodstuffs IF H Morhun Fiziol zhur [Ukr] 9 no 6:830-832 N-D '63.

SUGAR INDUSTRY see subdivision under Kirghizistan

SUGAR INDUSTRY—BY-PRODUCTS

Fremel', A. B [Utilization of the wastes of beet-sugar manufacture] Ispol'zovanie otkhodov sveklosakharnogo proizvodstva Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 113 p.
(MICROFILM)

SUGAR MANUFACTURE—BY-PRODUCTS

We present a bill V Podchaso. Izobr i rats no 5 15 '64

SUGARS

Condensation of the al-forms of sugars with 4-hydroxycoumarin. IU.A.Zhdanov, G.V.Bogdanova, V.G.Zolotukhina. Dokl.AN SSSR 157 no 4 917-918 Ag '64.

SUGGESTION SYSTEMS

From a practice of committees for efficiency promotion S Gromov, E.Androshchuk Fin SSSR 38 no. 6:60-61 Je '64

SULFAMIC ACID

Potential cytotoxic groupings. Part 4. Esters of N-(2-chloroethyl)-N-arylsulfamic acids. L S.IAguzhinskii, A.IA.Berlin Zhur.ob.khim 34 no.7:2133-2137 Jl '64.

SULFANILAMIDE

Use of sulfanilamides and antibiotics in acute radiation sickness. V.I.Barbolin. Voen.-med.zhur. no.1:50-53 '63.

SULFANILIDE

Sulfanilides Part 11: Methyl esters of N-arylsulfonyl-N-phenylcarbamic acid. Z.F.Solomko, L.P.Glushko, M.S.Malinovskii Zhur.ob khim. 34 no.7:2392-2394 Jl '64.

SULFATES

Electrolysis of solutions containing iron and manganese sulfates. *R.I.Agladze, T.I.Lezhava. Soob.AN Gruz.* SSR 33 no.3 579-584 Mr '64.

Solid solutions in the system $Zn_2SiO_4 - Fe_2SiO_4$. B.L. Dobrotsvetov, E.I.Bogoslovskaia, E.I.Sobel'man. Dokl.AN SSSR 158 no 1.189-191 S-O '64.

SULFENIC ACIDS

Derivatives of diethoxyphosphorylamido-N-sulfenic acid. P.I.Alimov, L.A.Antokhina. Izv.AN SSSR.Ser. khim. no.7:1316-1317 Jl '64.

SULFENYL CHLORIDES

Haloalkyl sulfides. Part 5. Reaction of alkylene sulfides with alkyl sulfene chlorides and alkyl polythiochlorides. G.IU.Epshtein, I.A.Usov, S.Z.Ivin. Zhur.ob.khim. *34 no.7:2347-2349* Jl '64.

Haloalkyl sulfides. Part 6: Addition of alkyl sulfenyl chlorides and alkyl polythiochlorides to olefins. G IU. Epshtein, I.A.Usov, S.Z.Ivin. Zhur.ob khim. 34 no.7:2350-2354 Jl '64.

SULFIDES

(see also subdivision under Kola Peninsula)

Brodskii, A.A. [*Fundamentals of hydrogeochemical prospecting methods for sulfide deposits*] *Osnovy gidrogeokhimicheskogo metoda poiskov sul'fidnykh mestorozhdenii*. Moskva, Izd-vo "Nedra," 1964. 257 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut *gidrogeologii i inzhenernoi* geologii. Trudy, no. 12)

Chlorosulfichlorination and chlorosulfochlorination of ethylene Conversion of β-chloroethanesulfinic acid to thio ether A I Titov, A N Baryshnikova Dokl. AN SSSR 157 no 1 139-142 Jl '64.

Haloalkyl sulfides Part 5: Reaction of alkylene sulfides with alkyl sulfene chlorides and alkyl polythiochlorides G.IU.Epshtein, I A.Usov, S Z Ivin. Zhur.ob khim. 34 no.7:2347-2349 Jl '64

Haloalkyl sulfides Part 7: Interaction of alkylene sulfides with arsenic trichloride and arsenic tribromide. G.IU Epshtein, S.Z Ivin. Zhur.ob khim. 34 no.7: 2355-2356 Jl '64

Study of some dialkylaminomethylphenols and aromatic sulfides O A Osipov and others Dokl AN Azerb SSR 19 no 9 21-24 '63

SULFIDES—METALLURGY

Interaction between copper and iron sulfides and fused iron-calcium silicates. D M.Chizhikov, Z.F.Gullanitskaia, I N.Eremenko. Izv. AN SSSR.Met i gor delo no 2 41-44 Mr-Ap '64

SULFOCHLORINATION *see* Chlorosulfonylation

SULFONANILIDES

Sulfonanilides. Part 12. Amides of N-arylsulfonyl-N-arylglycine. E.P.Teslenko, Z.F Solomko, M.S. Malinovskii Zhur ob.khim 34 no.7,2395-2396 Jl '64

SULFONATION

Chemistry of pyrazolidine Part 7. Sulfonation of 3,5-dioxopyrazolidines with pyridine sulfotrioxide. M.L.Moldaver, A M.Khaletskii, Zhur.ob.khim. 34 no 7.2397-2402 Jl '64

SULFUR

Adsorption of sulfur in iron in alkali solutions. S. A. Rozentsveig, N. IU. Ufliand, Z. V. Shcherbakova, Zhur. fiz. khim. 36 no. 3:557-561 Mr '62.

Comparative characteristics of some amino esters of p-alkoxybenzoic acids and their sulfur-containing analogs. N.E Akopian, Izv.AN Arm SSR.Biol.nauki 17 no.2:47-54 F '64.

Effect of elemental sulfur on the chemical stability of distillate fuels. I. E. Drabkina, D. B. Orechkin, T. S. Popova, Nefteper. i neftekhim. no. 2:14-17 '64.

SULFUR—ANALYSIS

Luminescent determination of microquantities of sulfur in nonaqueous media. A. K. Babko, L. V. Markova, T. S. TSybina. Zav. lab. 30 no 6 648-650 '61.

Oxidation of organic compounds by potassium permanganate and a volumetic determination of sulfur A. A Abramian, R S. Sarkisian. Izv AN Arm. SSR. Khim. *nauki 16 no 2 131-135 '63*

SULFUR—OPTICAL PROPERTIES

Optical properties of polymeric states of sulfur with the additions of P, As, Sb, and Bi. A. I. Soklakov, Zhur. fiz. khim. 36 no. 3:575-580 Mr '62.

SULFUR DIOXIDE

Catalytic activity of platinated nickel *as related to* sulfur dioxide oxidation O. K. Davtian, *E. N. Ovchinnikova*, G. A. Grigor'eva Nauch. ezhegod. Khim. fak. Od. un no 2.115-116 '61

Temperature dependence of the rate of formation of sulfuric acid in the catalytic oxidation of sulfur *dioxide* on activated coal by the liquid-contact method. O. K Davtian, B. A. Manakin, E. G. Misiuk Nauch. ezhegod Khim fak Od un, no. 2:113-115 '61.

SULFUR IN THE BODY

Characteristics of the utilization of *sulfur-containing* compounds for the formation of hair in various animals (experiments with radioactive sulfur) A. L Paducheva, Trudy VIZH 25;221-233 '63.

SULFUR ISOTOPES see subdivision under Armenia

SULFUR ISOTOPES—PHYSIOLOGICAL EFFECT

Intravital study of the characteristics of the penetration of labeled substances into eye tissue. G K Gurtovoi *Biofizika 8* no 1.62-68 '63

SULFUR ORGANIC COMPOUNDS

Alvazov, B. V., and others. [Physicochemical constants of organic sulfur compounds] *Fiziko-khimicheskie konstanty seraorganicheskikh soedinenii. Pod red. B. V.* Aivazova. *Moskva,* Izd-vo "Khimiia," 1964. 279 p.

Nauchnaia sessiia po khimii [illegible]
soedinenii,
duktakh. [C
petroleums
nicheskikh s
nefteprodukt[illegible], Moskva, *Gostoptekhizdat,*
Vol. 5. 1963. 262 p.

SULFURATION

Chemistry of selenophene, Part 52: *Sulfuration of* selenophene-2-aldehyde and selenophene-2-carboxylic acid, *IU.K.IUr'ev, N.K.Sadovaia.* Zhur.ob.khim. 34 no.7:2190-2195 Jl '64.

Effect of sulfuration on the cold brittleness of steel, A.A.Mukhamedov, V.V.Chekurov, *Izv.vys.ucheb.* zav.; chern.met. 7 no.7:183-188 '64.

SULFURIC ACID

Catalytic activity of platinated nickel as related to sulfur dioxide oxidation. O.K.Davtian, E.N.Ovchinnikova, G A.Grigor'eva. Nauch.ezhegod Khim fak. Od un. no.2 115-116 '61

Complexometric determination of sulfuric acid in the presence of tartaric acid A. A Vaiikhman, V. N. Ermilova, N. L Olenovich Nauch ezhegod. Khim. fak Od. un no. 2 83-85 '61.

Mechanical and chemical destruction of polysaccharides in the presence of sulfuric acid. Report No. 3: Minimal possible specific expenditure of sulfuric acid N.V.Chalov, E.F.Gorinchikh. Izv vys.ucheb zav.; les.zhur. 6 no.3;137-144 '63.

Reducing sulfuric acid consumption. I P.Dotsenko, M.S.Tambovtseva. *Gidroliz.i* lesokhim.prom 17 no.3;21-22 '64.

Remodeling a device for the *regeneration of sulfuric* acid B M Biriukov Nefteper.i neftekhim no.9:31-35 '63

Temperature dependence of the rate of formation of sulfuric acid in the catalytic oxidation of sulfur dioxide on activated coal by the liquid-contact method O K.Davtian, B. A Manakin, E.G Misiuk. Nauch ezhegod.Khim.fak.Od un. no. 2 113-115 '61.

SUMBAEV, IGOR' STEPANOVICH, d. 1962

In memory of I.S.Sumbaev. N.V.Ivanov, D.D.Fedotov, Kh.G.Khodos. Trudy Gos.nauch.-issl.inst.psikh. 40:3-14 '63.

SUN—CORONA

A two-component model of the solar supercorona. V.V. Vitkevich. Astron.zhur. 41 no.4:684-691 Jl-Ag '64.

SUN—FACULAE

Energy distribution in the continuous facula spectra. V. D. Koz'minykh. Soob. GAISH no. 131;24-30 '64.

Model of an average facula. V.D.Kuz'minykh. Astron. zhur. 41 no.4;692-696 Jl-Ag '64.

Selecting source functions in plotting the model of a facula. V. D. Kuz'minykh. Soob GAISH no. 133.10-18 '64.

SUN—OBSERVATIONS

Contribution of atmospheric layers with various altitudes to the phenomenon of the twinkling of the sun's limb. N. I. Kozhevnikov. Soob. GAISH no. 133 3-9 '64.

Observations of right ascensions of the sun, Mercury and Venus with the new meridian circle at the Moscow Observatory. A. P. Guliaev, O. A. Kozina, N. N. Kabaeva. Soob. GAISH no. 131:21-23 '64.

SUNFLOWER SEED OIL

Nature of the sterols of sunflower seed oil. N. I Kozin, M. S. Kastornykh. Masl.-zhir. prom. 30 no. 7:11-12 Jl '64.

Processing of high oil content varieties of sunflower seeds. A. M. Goldovskii, M. G. Zaitseva. *Masl.-zhir. prom.* 30 no. 7:4-8 Jl '64.

SUNFLOWERS

Testing herbicides in sunflower fields. V.N.Rudenko. Khim.v sel'.khoz. 2 no.4:46-47 Ap '64.

SUNSPOTS

Identifying the extremes of motion velocity fields by the latitude of nonrecurrent sunspot groups. M. A. Kliakotko. Soob. GAISH no. 131:16-23 '64.

Some dynamic properties of the cyclic activity of the *sun. L.I.Gudzenko,* V.E.Chertoprud. Astron.zhur. 41 no.4;697-706 Jl-Ag '64.

SUPERCONDUCTIVITY

Method of the quasi-mean in the Fermi system theory with a nonzero orbital *moment of pairs. A.V.Svidzinskii*, V.A.Slius arev. Fiz.met.i metalloved. 17 no. 6:801-803 Je '64.

Theory of waves of spin density. IAn Shi [Yang Shih]. Dokl. AN Arm. SSR 37 *no. 4:191-196 '63.*

Variational principle in the thermodynamics of superconducting *systems.* M.E.Palistrant, V.A.Moskalenko. Fiz.met.i metalloved. 17 *no. 6:827-833* Je '64.

SUPERCONDUCTORS

Remarks on the theory of superconductors with singlet and triplet pairs. M.S.Svirskii. Fiz.met.i metalloved. 17 no.4:620-631 Ap '64.

SUPERHEATED STEAM see Steam, Superheated

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC NOZZLES

Supercooling and structure of a stream of wet steam escaping from a tapering nozzle M E Deich, G. V TSiklauri. Teplofiz vys temp. 2 no 3:454-463 My-Je '64.

SUPPURATION

Kukosh, V. I. [Pneumonectomy in chronic suppurative *diseases of the lungs*] Pnevmonektomiia pri khronicheskikh nagnoitel'nykh zabolevaniiakh legkikh, [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo, 1964. 483 p.
(DNLM)

Spontaneous remission in acute hemocytoblastosis. N. V. Nikolaeva. Probl. gemat. i perel. krovi 8 no. 8:51-53 Ag '63.

SURFACE-ACTIVE AGENTS

All-Union conference on the adsorption of surfactants and its significance in petroleum production. A. Gonik, I. Kravchenko. Neft. khoz. 42 no. 7:70-71 Jl '64.

Antifoaming reagents for aqueous and cross-linked muds and a method for testing them. N. N. Beller, IU. D. Churkin, N. V. Piatnitskaia. Trudy KNII NP no. 17:23-31 '62.

Controlling the parameters of cement slurries using surfactants at low and high temperatures. N. N. Beller, L. S. Shabanova. Trudy KNII NP no. 17:17-54 '62.

Determination of the dispersion of petroleum emulsions by centrifugation using surface active substances. I. D. Muratova. Nefteprom. delo no. 4:24-26 '63.

Effect of surface-active substances on the probability of formation of a two-dimensional nucleus during electrocrystallization. S. I. Krichmar. Zhur. fiz. khim. 36 no. 3:663-664 Mr '62.

Effect of the additions of surface-active substances on the structural strength of pigment - binder pastes. A. A. Trapeznikov, R. N. Shcherbakova. Zhur. fiz. khim. 38 no. 2:512-514 F '64.

Investigating the foaming of clay muds with a sulfite-alcohol residue. V. D. Malovanskii, E. P. Okhrimenko. Trudy VNIIGAZ no. 19/27:144-150 '64.

Studying the demulsifying properties of surfactants synthesized on a base of polymers in the "Neftegaz" plant. M. A. Ashimov and others. Azerb. neft. khoz. 43 no. 3:37-39 Mr '64.

Using surfactants when drilling in producing strata in the Yakushino oil field. N. N. Beller, N. V. Piatnitskaia. Trudy KNII NP no. 17:32-36 '62.

Using thermally cracked reflux in the production of surfactants. A. P. Petrov. Azerb. neft. khoz. 43 no. 2:37-39 F '64.

SURFACE CHEMISTRY

Aluminum migration and wetting during the aluminothermic reduction process. A. S. Dubrovin, L. N. Rusakov, IU. L. Pliner. Izv. AN SSSR. Met. i gor. delo no. 2:51-57 Mr-Ap '64.

Determination of the specific surface energy at the crystal - melt interface for salol and betol. L. I. Chesnokov. Zhur. fiz. khim. 36 no. 3:600-601 Mr '62.

Effect of magnesium oxide on the physicochemical properties of iron silicate melts and froth stability. S. I. Popel', V. I. Sokolov, V. G. Korpachev. Sbor. nauch. trud. Ural. politekh. inst. no. 126:24-33 '63.

Effect of the concentrations of a water-repellent additive (turpentine) on the filtration of quartz suspensions. M. B. Barbin. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:179-182 '64.

Mechanism of the removal of nonmetallic inclusions from drops of steel moving in slag. V. V. Khlynov and others. Izv. AN SSSR. Met. i gor. delo no. 2:26-30 Mr-Ap '64.

Surface properties of welding fluxes. IU. P. Nikitin, A. N. Safonnikov. Sbor. nauch. trud. Ural. politekh. inst. no. 126:66-72 '63.

SURFACE HARDENING

Selecting the parameters for hardening by roller burnishing. G. N. Epshtein. Trudy VNIIDT no. 7:100-174 '63.

Surface quality and productivity in using the static method of surface hardening. A. A. Spiridonov, V. B. Fedorov. Trudy Ural. politekh. inst. no. 129:5-14 '63.

SURFACE TENSION

Equilibrium of ionic systems with account of discontinuity surfaces. Part 1. A. I. Rusanov. Zhur. fiz. khim. 36 no. 3:540-556 Mr '62.

Equipment for determining the surface tension of liquid metals. S. A. Bliznlukov, A. F. Vishkarev, V. N. IAvoiskii. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:227-232 '64.

Experimental study of the surface tension of melts of the indium - antimony system [with summary in English]. V. B. Lazarev. Zhur. fiz. khim. 38 no. 2:325-330 F '64.

Interfacial tension of iron and its alloys at the boundary with oxide systems. S. I. Popel'. Sbor. nauch. trud. Ural. politekh. inst. no. 126:5-17 '63.

Surface tension of liquid metal solutions. Part 3. V. V. Fesenko, M. I. Vasiliu, V. N. Eremenko. Zhur. fiz. khim. 36 no. 3:518-520 Mr '62.

Widening of a jet of liquid flowing out of spinneret orifice. S. P. Papkov. Khim. volok. no. 3:36-40 '64.

SURFACES (TECHNOLOGY)

Kartashov, A. I. [Surface roughness and methods for its measurement] Sherokhovatost' poverkhnosti i metody ee izmereniia. Pod red. IU. V. Kolomiitsova. Moskva, Izd-vo Standartov, 1964. 163 p.

SURFACES, DEFORMATION OF

Infinitesimal deformations of surfaces in the case of sleeve couplings. V. T. Fomenko. Dokl. AN SSSR 157 no. 4:810-813 Ag '64.

SURFACES OF CONSTANT CURVATURE

Surfaces of constant mean curvature. K. M. Belov. Sib. mat. zhur. 5 no. 4:746-749 Jl-Ag '64.

SURGERY—COMPLICATIONS AND SEQUELAE

Analysis of mortality in adenoma of the prostatic gland. V. N. Alandarov. Urologiia no. 1:25-28 '64.

Case of spontaneous recurarization following administration of relaxants of the nondepolarizing type. L. F. Kosonogov, V. V. Bondarenko. Grud. khir. 5 no. 5:97-98 S-O '63.

Extensive surgery in cancer of the rectum. E. S. Serebriakova. Vop. onk. 10 no. 3:110-114 '64.

Focal elephantiasis of the upper extremity following mastectomy elephantiasis of a lower extremity. E. I. Gol'denshtein. Vop. onk. 9 no. 6:79-81 '63.

Immediate and late results of the surgical treatment of pulmonary tuberculosis with large and gigantic caverns. IA. V. Kakitelashvili. Grud. khir. 5 no. 5:41-45 S-O '63.

Insufficiency of the esophago-gastric and esophago-intestinal anastomosis following radical surgery for cancer of the cardia and esophagus. T. V. Kotlukova. Grud. khir. 5 no. 5:76-80 S-O '63.

Late results of the treatment of tumors of the urinary bladder. D. L. Korin, E. A. Marusev. Urologiia no. 1:46-49 '64.

Morphologic changes in the kidneys in homoplasty of the renal artery. S. A. Gasparian. Arkh. pat. 26 no. 2:17-22 '64.

Morphologic characteristics of the healing of surgical incised wounds of the heart. A. F. Gribovod. Arkh. pat. 26 no. 2:10-17 '64.

Spontaneous labor following Brock's operation on the heart. E. V. Shadrov. Akush. i gin. 40 no. 1:141 Ja-F '64.

Uterine-abdominal fistulas. M. I. Burmistrov, P. K. Timchenko. Akush. i gin. 40 no. 1:138-139 Ja-F '64.

SURGERY—CONGRESSES

S''ezd khirurgov RSFSR. 2d, Saratov, 1962. [Transactions of the Second Congress of Surgeons of the R. S. F. S. R.] Trudy. Saratov, Vseros. nauchn. med. ob-vo khirurgov, 1963. 583 p.
(DNLM)

SURGERY, OPERATIVE

Cancer of the thyroid gland in children. S. B. Pinskii, A. P. Kalinin. Vop. onk. 10 no. 3:72-77 '64.

Extensive surgery in cancer of the rectum. E. S. Serebriakova. Vop. onk. 10 no. 3:110-114 '64.

Functional urinary incontinence and its treatment. K. Nikolov. Urologiia no. 1:32-34 '64.

Grebeniuk, V. I., and IU. V. Chuprina. [Surgical treatment of paralyses of the facial muscles] Khirurgicheskoe lechenie paralichei litsevykh myshts. [Leningrad] Meditsina, 1964. 164 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Metallic foreign body (knife fragment) in the left main bronchus. A. P. Kuz'michev, I. A. Staduitskaia. Grud. khir. 5 no. 5:92-94 S-O '63.

Simultaneous bilateral superior lobectomy in bilateral primary cancer of the lungs. B. E. Peterson, A. I. Pirogov, V. B. Smulevich. Grud. khir. 5 no. 5:90-92 S-O '63.

SURGERY, PLASTIC

Akhabadze, A. F., A. S. Gusarova, and L. A. Krikun. [Medicine as the guardian of beauty] Meditsina na strazhe krasoty. Moskva, Izd-vo "Znanie," 1964. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 13)

Experimental enteroplasty of the urinary bladder. V. M. Vertepova, E. L. Vol'pian, S. B. Ramenskii. Urologiia no. 1:22-25 '64.

Ileocystoplasty and sigmoidocystoplasty. Trin-Ko Nguen, Me Nguen. Urologiia no. 1:18-21 '64.

Late results of ureteroileocystoplasty. V. M. Borisova. Urologiia no. 1:50-51 '64.

Review of F. F. Amirov's book "Plastic surgery on the trachea and bronchi". N. S. Zheltikov. Grud. khir. 5 no. 5:112-113 S-O '63.

Segmental plastic surgery on the thoracic portion of the esophagus in cicatricial strictures and cancer. G. E. Ostroverkhov, T. A. Suvorova, R. A. Toshchakov. Grud. khir. 5 no. 5:67-73 S-O '63.

Twenty-eight years after an operation transplanting the ureters into the intestine in inoperable puerperal fistula. A. M. Mazhbits. Akush. i gin. 39 no. 5:149-150 S-O '63.

SURGICAL INSTRUMENTS AND APPARATUS

A surgical kit for submarines. I. M. Shilago. Voen.-med. zhur. no. 1:74-75 '63.

SURGUT DISTRICT—PETROLEUM REFINING

Refining oils of the Surgut District, Tyumen' Province. D. E. Kazakov, L. M. Konina. Nefteper. i neftekhim. no. 2:5-7 '64.

SURVEYING
(see also subdivision under Sverdlovsk)

Approximate methods for the adjustment of nets constructed by the intersection technique. G. S. Bronshtein. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:69-75 '63.

Bibliography. Geod. i kart. no. 4:78-80 Ap '64.

Brief news. Geod. i kart. no. 4:77-78 Ap '64.

Chizhmakov, A. F. [Surveying] Geodeziia. [Petrozavodsk] Vysshaia shkola, 1964. 583 p.

Conference of builders. G. A. Krotkov. Geod. i kart. no. 5:73-76 My '64.

Discussion of an article by B. I. Gerzhuly. Geod. i kart. no. 4:28-36 Ap '64.

Eliminating errors caused by run. N. A. Kutserib. Geod. i kart. no. 5:16-17 My '64.

Establishment of a vertical control net for observing the settling of industrial structures. V. F. Chernikov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:89-94 '63.

The forthcoming publication of a popular booklet. V. A. Cherviakov. Geod. i kart. no. 5:71-73 My '64.

Generalizing the gnomonic projections for a spheroid and the main surveying problems in running ground routes. I. G. Letoval'tsev. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:61-68 '63.

Iterative solution of normal equations. V. P. Kozlov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:39-48 '63.

Relationship between errors in the elements of an extended triangle in a circular trilateration net. V. D. Bol'shakov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:21-28 '63.

Solution of linear algebraic problems involving a three-diagonal matrix. A. I. Kobylin. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:3-11 '63.

Some statistical characteristics of mean square errors. IU. V. Kemnits. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:29-37 '63.

Theory of the generalization of symmetrical parallactic schemes of indirect range-finding methods. O. S. Makar. Dop. AN URSR no. 8:1054-1059 '64.

Triangulation adjustment by the indirect measurement technique using the multigroup method developed by Prof. A. I. Mazmishvili. S. E. Minin. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:77-88 '63.

Use of the electronic digital computer "Ural" in two-group traverse adjustment. I. I. Kupchinov. Izv. vys. ucheb. zav.; geod. i aerof. no. 5:13-19 '63.

SURVEYING—INSTRUMENTS

Transferring guide lines to actual conditions using a DNT cap. IU. S. Khmelevskii. Geod. i kart. no. 4:37-39 Ap '64.

SUSLIKS see subdivision under Don Valley; Donets Valley

SUSPENSION ROOFS see Roofs, Suspension

SUSPENSIONS (CHEMISTRY)—TESTING

Device for determining catalyst concentration in the suspension. G. N. Gershfel'd, Sh. N. Ibragimli, A. P. Petrov. Za tekh. prog. 3 no. 11:3-6 N '63.

SUTURES

Modification of the suture in Sturmdorf's operation. A. A. Kozbagarov. Akush. i gin. 39 no. 5:131-132 S-O '63.

Repeated suture of the stump of the main bronchus with fistula resection following pneumonectomy. L. K. Bogush, V. S. Severov, V. F. Didenko. Grud. khir. 5 no. 5:54-59 S-O '63.

Vascular suture of a brachial artery in an infected wound. T. S. Odariuk, V. G. Moskalenko. Sov. zdrav. Kir. no. 6:58-60 N-D '63.

SUTURES—EQUIPMENT AND SUPPLIES

Experience in the use of mechanical suture apparatus. G. A. Danielian, L. N. Airapetian. Vop. rent. i onk. 7:273-279 '63.

SVERDLOVSK—APARTMENT HOUSES

Russia (1917- R. S. F. S. R.) Sverdlovskii ekonomicheskii administrativnyi raion. Upravlenie stroitel'stva. [Building large-panel apartment houses in Sverdlovsk] Krupnopanel'noe domostroenie v Sverdlovske. Sverdlovsk, TSentr. biuro tekhn. informatsii, 1962. 27 p.
[MICROFILM]

SVERDLOVSK—MACHINERY INDUSTRY

The road to science. P. Smurov. NTO 6 no. 6:42-44 Je '64.

SVERDLOVSK—MACHINERY INDUSTRY—ACCOUNTING

Our practice in machine accounting. E. Obraztsov. Bukhg. uchet 20 no. 12:33-40 D '63.

SVERDLOVSK—MACHINERY INDUSTRY WORKERS—DISEASES AND HYGIENE

Diseases are disappearing.... N. Panina. Sov. profsoiuzy 20 no. 15:27-28 Ag '64.

SVERDLOVSK—SHOE INDUSTRY

"Uralobuv'" Factory on the road of technological progress. A. A. D'iakov. Kozh.-obuv. prom. 6 no. 7:32-33 Jl '64.

SVERDLOVSK—SURVEYING

Executive surveying in Sverdlovsk. E. A. Kudriavtseva, P. V. Dolgopolov. Geod. i kart. no. 5:24-26 My '64.

SVERDLOVSK—THEATER

Tirso de Molina in Sverdlovsk. S. Apostolov. Teatr 24 no. 8:25-26 Ag '63.

SVERDLOVSK PROVINCE—INSURANCE, SOCIAL

The health area. [illegible] A By[illegible] Sov profsoiuzy 20 no 1? 22 Ag '64

SVERDLOVSK PROVINCE—IRON AND STEELWORKERS—DISEASES AND HYGIENE

Who gets a travel pass? G Kharchenko Sov profsoiuzy 20 no 1? 23 24 Ap '64

SVERDLOVSK PROVINCE—MACHINERY INDUSTRY WORKERS—DISEASES AND HYGIENE

[illegible] I Kucherova Sov profsoiuzy 20 no 15 23 24 Ag '64

[illegible] N Gorshkova Sov profsoiuzy 20 no 16 25 26 Ag '64

SVERDLOVSK PROVINCE—RURAL SCHOOLS

Knowledge for rural youth. A V.IUshkov. Vech. sred. shkola 7 no.2 15 17 Mr-Ap '64.

SWAMPS see subdivision under Finland, Russia, Northwestern

SWEDEN—ECONOMIC POLICY

State monopoly "planning" in Sweden R A Khokhlov Vest.LGU 19 no 11 5-17 '64.

SWEET CLOVER see subdivision under Baraba Steppe

SWIMMING

Using an increased volume of speed exercises in the training of young swimmers R A Petrov. Teor.i prak fiz.kul't 27 no.4 31-34 Ap '64.

SWINE see subdivision under Krasnoyarsk Territory

SWINE—DISEASES AND PESTS

Effectiveness of the vaccination of swine against leptospirosis G M Kutuzov Veterinariia 41 no 4 46-47 Ap '64

Immunization of swine against cholera and pasteurellosis V P Zelinskii B IA Liabin Veterinariia 41 no 4 47-48 Ap '64

Some characteristics of the course of leptospirosis in swine A M Kuznetsova Veterinariia 41 no 4 45-46 Ap '64

SWINE—FEEDING AND FEEDS
(see also subdivision under Armenia)

Accelerated fattening of swine by the addition of betazin to their rations P S. Popekhina, G M Tarasevich, M G Osipov, Trudy VIZH 25,194-200 '63.

Breed distinctions in the growth of muscle tissue and fat deposition in fattening swine for meat E V Koriazhnov Trudy VIZH 25,52-59 '63.

Change in the nutritional processes of fattenning swine under the effect of betazin E. Z Tkachev Trudy VIZH 25:187-193 '63

SWINE—PARASITES see Parasites—Swine

SWINE—PHYSIOLOGY

Meat quality of swine and the morphology of the thyroid gland E V. Koriazhnov Trudy VIZH 25:60-62 '63.

SWINE FEVER see Hog cholera

SWINE BREEDING

Use of crossbred boars in crossbreeding for market purposes F. A Grachev Trudy Kostr sel'khoz inst "Kar." no 3 179-183 '63

SWITCHING CIRCUITS

Equivalent circuits of a transistor operating in a weak signal chopping mode. V.I. Anisimov, A. P. Golubev, Elektrosviaz' 18 no. 8,44-51 Ag '64.

Study of the operation of high-speed triggers with tunnel diodes using a modeling technique IU I. Vorontsov, I.V. Poliakov. Radiotekh.i elektron. 9 no.7;1246-1257 Jl '64.

SWITCHING THEORY

Contribution to the theory of electromechanical bypass converters. A S. Pizio Izv.vys.ucheb zav., radiotekh. 7 no.2,237-240 Mr-Ap '64.

Synthesis of switching circuits using an electronic computer. A. N. Mal'tsev. Vych. tekh. i vop. prog. no. 2;39-53 '63.

SWITCHING THEORY—BIBLIOGRAPHY see Bibliography—Switching theory

SWORDFISH

Osipov, V. G., I. V. Kizevetter, and A. V. Zhuravlev. [Tuna fish and swordfish of the Pacific and Indian Oceans] Tuntsy i mecheobraznye Tikhogo i Indiiskogo okeanov Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 72 p.

SYENITE see subdivision under Azov Sea region

SYKTYVKAR (KOMI A. S. S. R.)—WOODWORKING INDUSTRIES

Kokarev, G. D., and I. K. Chebotarev. [The Syktyvkar Sawmilling and Woodworking Plant] Syktyvkarskii lesozavod. Syktyvkar, Komi knizhnoe izd-vo, 1959. 53 p. [MICROFILM]

SYLVINITE see subdivision under Starobin region (White Russia)

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMMETRY (BIOLOGY)

Types of dissymetry in nature. IU A. Urmantsev Biofizika 8 no. 1 9-14 '63

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPATHOLYTIC AGENTS

Comparative study of the pharmacological activity of sympatholytics, o-bromobenzyl ammonium derivatives. K M Khalimova Farm.i toks 26 no.2 179-184 Mr-Ap '63.

Studies on the effect of adreno- and cholinolytic drugs in the trigeminal section of the brain stem. R. IU. Il'iuchenok, R. B. Matveeva Farm i toks. 26 no. 5: 525-531 S-O '63

Sympatholytic substances not blocking adrenoreactive systems. R.A Khaunina. Farm.i toks 26 no 2: 239-249 Mr-Ap '63.

SYMPATHOMIMETIC AGENTS

Content of catechol amines in the blood of patients during various periods of gynecological surgery under nitrous oxide anesthesia with muscle relaxants. V.I. Potanin. Akush.i gin. 40 no.1;101-105 Ja-F '64

Effect of fluothane anesthesia on the action of curarelike, ganglionic blocking and adrenomimetic preparations. R.A. Al'tshuler. Farm.i toks. 25 no.6;662-667 N-D '62.

Zabirov, I. Sh., and R. A. Khaunina [Pharmacology of substances blocking adrenergic mediation] Farmakologiia sredstv, blokiruiushchikh adrenergicheskuiu mediatsiiu. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1964. 157 p. *(DNLM)*

SYNAPSES

Effect of intra-aortal injection of potassium chloride on mono and polysynaptic reactions of the spinal cord L. O Savos'kina Fiziol zhur (Ukr.) 9 no 6 72?-730 N-D '63.

Effect of the blood of animals previously irradiated with X rays on the transfer of excitation in synapses of the superior cervical sympathetic ganglion. A. L. Komendantova. Pat. fiziol i eksp. terap 6 no. 4 81 Jl-Ag '62.

SYNOVIAL MEMBRANES—INFLAMMATION

Some physicochemical, biochemical and cytological changes in the synovial fluid of tuberculous synovitis patients. N.N. Blokhin and others. Probl.tub. 42 no.1:64-68 '64.

SYNTHETIC FABRICS

First industrial testing of set gill nets made from lavsan and anid in the Sea of Azov E. G Sharapov. Trudy Azcherniro no 21 15-18 '63

SYNTHETIC FABRICS—TESTING

Characteristics of fabrics made with Zantrol polynosic fibers. I. S. Morozovskaia. Sovein. prom. no. 2;10-12 Mr-Ap '64.

SYNTHETIC PERFUMES see Perfumes, Synthetic

SYNTHETIC PRODUCTS

Avetikov, A. L. [Technology of the manufacture of upholstered furniture] Tekhnologiia proizvodstva miagkoi mebeli. Izd. 2., perer. i dop. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 195 p.

Bulanov, A. F. [Masters of the atoms] Vlasteliny atomov. [Moskva] Molodaia gvardiia, 1962. 237 p.

Leonov, N. M. [Synthetic materials in the national economy] *Sinteticheskie materialy* v narodnom khoziaistve. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 34 p.

[MICROFILM]

Samborskii, G. I., and V. I. Fomichev. [Use of synthetic materials in industry] Sinteticheskie materialy - v promyshlennost'. Moskva, Izd-vo "Znanie," 1964. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 15)

Synthetic materials in light industry. Inform. biul. VDNKH no. 2:9-12 F '64

SYPHILIS—DIAGNOSIS

How to evaluate a positive serological reaction following the completion of antisyphilitic treatment? M. V Milich. Vest.derm.i ven. 38 no.1:44-48 Ja '64.

Lipoproteins in the blood serum of patients with seroresistant syphilis. L. N. Lubashevskaia. Vest. derm.i ven. 38 no.1;41-44 Ja '64.

SYR DARYA—HYDRAULIC STRUCTURES

Experiment in modeling *channel deformations* of the Syr Darya at the Chardara hydraulic structural complex. Vop. gidr. no. 13,123-138 '63.

SYRIAN DESERT—WATER, UNDERGROUND

Searching for underground water to irrigate pastures in the Syrian Desert. V. P. Prorokhin Trudy Giprovodkhoza no. 22;145-151 '63.

SYRPHUS FLIES see subdivision under Leningrad region

SYSTEM ANALYSIS

Results of a conference on mathematical modeling and use of electronic computers in power engineering. V. S Shakhanov Elek. sta 35 no 5,93-95 My '64

SYSTEMS (CHEMISTRY)

Certain problems in the geometry of the structural diagrams of iron-carbon-sulfur alloys. A. A. Zhukov, V. V. Zvolinskaia Zhur. fiz. khim. 38 no. 2:483-485 F '64.

Concentration regions of the location and temperature displacement of ternary azeotropes. Part 3 [with summary in English]. L. S. Kudriavtseva, M. P. Susarev. Zhur. fiz. khim. 38 no. 2:345-350 F '64.

Constitution and structure of the intermetallide phase in *alloys of the six-component system* Ti - Al - Cr - Fe - Si - B. V. S. Mikheev and others. Izv. AN SSSR. Met. i gor. delo no. 2,156-160 Mr-Ap '64

Decomposition potential of the system K_2TiF_6 - NaCl TiO_2 Report No 1 N. A Baitenev, V D Ponomarev Trudy inst met i obog AN Kazakh. SSR 8 97-101 '64

Demixing of a dilute binary system. L. A. Rott. Zhur. fiz. khim. 38 no. 2:528 F '64.

Determination of the stops of stable diagonal lines in the *systems* consisting of 9 salts of the types A and B. N. V. Khakhlova Zhur. neorg. khim. 9 no. 6:1446-1449 Je '64.

Equations of fusibility curves for simple binary systems Report No. 1. A. N. Kirgintsev. Izv. Sib. otd. AN SSSR no. 12 49-61 '62.

The extraction system HNO_3- NH_4NO_3 - H_2O - $(C_4H_9O)_3PO$ at 25°C. A. V. Nikolaev, A. A. Kolesnikov. Izv. Sib. otd. AN SSSR no. 10:80-86 '62.

Formation and determination of compounds in the system $CaSO_4$-SiO_2-Al_2O_3-Fe_2O_3-C. V. Latvys, V. Slizys. Trudy AN Lit. SSR. Ser. B no. 1 153-159 '62.

Interaction of samarium (III) chloride with the chlorides of sodium, potassium, rubidium, and cesium. B. G. Korshunov and others. Zhur. neorg. khim. 9 no. 6: 1427-1430 Je '64.

Open chemical systems capable of autosynthesis. A. IA. Nikolaev, E. S. Tiul'panova. Dokl. AN SSSR 158 no. 1: 229-231 S-O '64.

Physicochemical analysis of systems Ge (Si) - A^{III} - B^{V}. V. M. Glazov and others. Trudy Inst. met. no. 14:108-119 '63.

Possible types of the reciprocal systems consisting of 12 salts A, B, C // X, Y, Z, T. G. E. Dmitrenko. Zhur. neorg. khim. 9 no. 6:1508-1510 Je '64.

Specific gravities and molar volumes of the ternary system consisting of the nitrites of sodium, potassium, barium. P. I. Protsenko, O. N. Shokina. Zhur. fiz. khim. 36 no. 3:474-479 Mr '62.

Statistical theory of a ternary system. L. A. Rott. Zhur. fiz. khim. 38 no. 2:459-461 F '64.

Stops of stable diagonal lines in the senary reciprocal system consisting of 12 salts L, M, N // X, Y, Z, T. G. E. Dmitrenko. Zhur. neorg. khim. 9 no. 6;1511-1513 Je '64.

Study of distribution in systems consisting of nitric acid water - tributylophosphate - salting-out agents I. I. IAkovlev, R. I. Opalovskaia Izv. Sib. otd. AN SSSR no. 12,62-68 '62.

Systems $CO(NH_2)_2$ - $LiNO_3$; Li, Na, K // NO_3 and Na, K, NH_4 // NO_3. A. G. Bergman, K. Nogoev. Zhur. neorg. khim. 9 no. 6:1423-1426 Je '64.

Ternary system of sodium, rubidium, and cesium acetates. G. G. Diogenov, I. F. Sarapulova. Zhur. neorg. khim. 9 no. 6:1499-1502 Je '64.

SYSTEMS ENGINEERING

Barzam, A. B. [Systems automation] Sistemnaia avtomatika. Izd. 2., perer. Moskva, Izd-vo "Energiia," 1964. 367 p.

SYZRAN' (KUYBYSHEV PROVINCE)—ECONOMIC CONDITIONS

Vareshin, A. M., B. P. Dedkov, and A. S. Ponomarev. [The city of Syzran', an historical and economic essay] Gorod Syzran', istoriko-ekonomicheskii ocherk. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 197 p.

SYZRAN' (KUYBYSHEV PROVINCE)—HISTORY

Vareshin, A. M., B. P. Dedkov, and A. S. Ponomarev. [The city of Syzran'; an historical and economic essay] Gorod Syzran'; istoriko-ekonomicheskii ocherk. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 197 p.

TACHOMETER

Monitoring the conditions of turbine drilling. V. P. Varlamov. Trudy VNIIBT no.7:15-24 '63.

TACTICS

Foresight in combat. R. Simonian. Voen. vest. 43 no.4;22-25 Ap '64.

In a contaminated area. I. Degtiarev. Voen. vest. 43 no.4;41-44 Ap '64.

In march security. A. Gal'tsev. Voen. vest. 43 no.4: 31-34 Ap '64.

Motorized riflemen attack. I. Chugunov. Voen. vest. 43 no.4,53-57 Ap '64.

Short tactical meeting. N. Shishkin. Voen. vest. 43 no.4;49-53 Ap '64.

Students go to the field. A. Terekikh, S. *Shchukina*. Voen. vest. 43 no.4:64-66 Ap '64.

TACTICS—PROBLEMS, EXERCISES, ETC.

Answer to a tactical problem. A landing company destroys an installation in the enemy rear. Voen. vest. 44 no.7:59 Jl '64.

Answer to the problem published in No.2 Voen.vest. 43 no.4:45 Ap '64.

Solve this problem. A landing company destroys an objective in the rear of the enemy. Voen.vest. 43 no 4:44 Ap '64.

Solve this problem. Engineer support of a motorized rifle battalion attack. Voen.vest. 43 no.4:92-93 Ap '64.

Solve this problem. Restore communication. Voen.vest. 43 no.4:101 Ap '64.

Your solution? In the depth of defense. Voen.vest. 44 no.7:58 Jl '64.

TAGANROG—THEATER

"Old man" in Taganrog. N. Obraztsova. Teatr 24 no.8:86 '63

TAHITI—NATIVE RACES

The tragedy of Tahiti. Rupert Lockwood. Nov.vrem. 22 no 31:27-28 Jl '64

TAIGAS

Geographical aspects of the scientifically founded mastering of the taiga according to the plan V.B Sochava Dokl. Inst. geog. Sib. i Dal'. Vost no 1:3-11 '62

Gleyey-slightly Podzolic soils; taiga lytogenic gleyey-Podzolic soils. D.M Rubtsov. Pochvovedenie no.7:28-33 Jl '64.

TAILINGS (METALLURGY)

Filter-separation of autoclave pulps V.D Ponomarev, IU M.Spivak, E I.Machkasov Trudy Inst met i obog. AN Kazakh SSR 8 126-138 '63.

TAJIK LANGUAGE—DIALECTS

(see also subdivision under Uzbekistan)

Rastorgueva, V.S. [Comparative study of Tajik dialects] Opyt sravnitel'nogo izucheniia tadzhikskikh govorov. Moskva, Izd-vo "Nauka," 1964. 187 p.

TAJIKISTAN—BRIQUETS (FUEL)

Briquets made of Shurab brown coals and their burning efficiency. G.Z.Zvenigorodskii and others. Obog.i brik.ugl. no.26:62-69 '62.

TAJIKISTAN—CALCULI, URINARY

Calculi of the urinary bladder in children in Tajikistan. V.N.Dunchik. Trudy Tadzh.med.inst. 50:130-142 '61.

TAJIKISTAN—COTTON—IRRIGATION

Akademiia nauk Tadzhikskoi SSR, Stalinabad. [Reports of soil scientists, agrochemists and reclamation experts of Tajikistan; for the Seventh International Congress of Soil Scientists in 1960] Doklady pochvovedov, agrokhimikov i melioratorov Tadzhikistana; k VII Mezhdunarodnomu kongressu pochvovedov 1960 goda. Stalinabad, 1960. 72 p. [In Russian and English]

[MICROFILM]

TAJIKISTAN—ECONOMIC DEVELOPMENT

In the life of one generation Z Tishenko Az i Afr.seg 8 no.7.29-32 Jl '64.

TAJIKISTAN—ENGLISH LANGUAGE—STUDY AND TEACHING

Teaching a foreign language to national groups. M.B. Shakhobova, E.M.Vol'f. Uch.zap.Tadzh.un.21.Trudy Kaf.inostr.iaz. no.1:3-10 '60.

TAJIKISTAN—FOOD POISONING

Light (nonascitic) forms of heliotropic dystrophy of the liver in children. N.V.Preobrazhenskaia. Trudy Tadzh.med.inst. 50:102-112 '61.

TAJIKISTAN—GAS, NATURAL—GEOLOGY

Gas content of the underground waters in northern Tajikistan. S.S.Kozlov, E.V.Kozlova, G.I.Mart'ianova. Vest.LGU 19 no.12:74-80 '64.

TAJIKISTAN—HISTORY

Irkaev, M. [History of the civil war in Tajikistan] Istoriia grazhdanskoi voiny v Tadzhikistane. Dushanbe, Tadzhikskii gos. univ., im. V.I.Lenina, 1963. 759 p. fold maps.
(NNC)

TAJIKISTAN—INDUSTRIES

Rich resources of Tajikistan. I.Blagodarov. Vnesh. torg. 44 no.7:41-43 '64.

TAJIKISTAN—MILITARY EDUCATION

Clubs of revolutionary glory. F.Khakimov. Voen. znan. 40 no.7:33-34 Jl '64.

TAJIKISTAN—ORE DEPOSITS

Structural and morphological types of deposits in the Zeravshan-Gissar antimony-mercury belt. N.S. Mudrogina, N.N.Nasybulin. Trudy VSEGEI 103:115-153 '64.

TAJIKISTAN—ORTHOPEDIA

State and tasks of orthopedic aid to the child population of Tajikistan. E.G.Lokshina. Trudy Tadzh.med.inst. 50:163-166 '61.

TAJIKISTAN—SOILS

Akademiia nauk Tadzhikskoi SSR, Stalinabad. [Reports of soil scientists, agrochemists and reclamation experts of Tajikistan; for the Seventh International Congress of Soil Scientists in 1960] Doklady pochvovedov, agrokhimikov i melioratorov Tadzhikistana; k VII Mezhdunarodnomu kongressu pochvovedov 1960 goda. Stalinabad, 1960. 72 p. [In Russian and English]

[MICROFILM]

TAJIKISTAN—WATER, UNDERGROUND

Gas content of the underground waters in northern Tajikistan. S.S.Kozlov, E.V.Kozlova, G.I.Mart'ianova. Vest.LGU 19 no.12:74-80 '64.

TAKHTA-KUGUL'TA GAS FIELD—GAS, NATURAL

Combined planning of the development of a non-commercial gas field with a large gas-potential region. S.S Gatsulaev and others. Gaz.delo no 6:7-14 '64.

TALES, UIGUR

The Uigur fairy and fantastic tales. M.Alieva. Izv.AN Kazakh SSR.Ser.obshchestv.nauk no.6:72-80 '64.

TALGAR (ALMA-ATA PROVINCE)—BAKERIES—AUDITING AND INSPECTION

A dressing down instead of support. G Kalugin. Part. zhizn' no.12:75-78 Je '64.

TALL OAT GRASS

Biology of the tall oat grass (Arrhenatherum elatius). N.B.Serafimovich. Bot.zhur. 49 no.7:1003-1008 Jl '64.

TALL OIL

Complex esterification of tall oil acids with isoamyl alcohol. V.P.Sumarokov, Z.M.Volodutskaia. Gidroliz. i lesokhim.prom. 17 no.3:11-13 '64

TALLINN—MUSIC, ESTONIAN

Tallinn impressions. L.Danilevich. Sov.muz. 28 no 2:40-44 F '64.

TALYSH MOUNTAINS—NUMMULITIDAE, FOSSIL

First find of the genera Asterocyclina gumbel and Actinocuclina gümbel from Eocene sediments in the Gornyy Talysh (Lerik District). T.A.Mamedov. Dokl. AN Azerb.SSR 20 no.5:41-46 '64.

TAMBOV—ORTHOPEDIC APPARATUS INDUSTRY

Old system should be changed L.Akaemov. Sots.obesp. 24 no.12:44-45 D '63.

TAMBOV PROVINCE—INSURANCE, SOCIAL—AUDITING AND INSPECTION

Rural voluntary inspectors. N.Popov. Okhr.truda i sots.strakh. 7 no.5:33 '64.

TANK CARS

Hinges for filling and discharging devices. M.A.El'kin. Mash.i neft.obor. no 5:9-11 '63.

New trends in the filling and emptying of tank cars. V.F. Kupriianov. Transp.i khran.nefti i nefteprod. no.5: 10-21 '64.

TANK CARS—CLEANING

Karavaev, I.I., and N.F.Gorskaia. [Mechanized treatment of tank cars in washing and steaming stations] Mekhanizirovannaia obrabotka tsistern na promyvochno-proparochnykh stantsiiakh. Moskva, Izd-vo "Transport," 1964. 26 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

TANK TRUCKS

Comparative tests of ATS-4 and ATS-4M tank trucks for the transportation of liquefied gas. V.A.Ivanov, K.Z.Monina, L.N.Maliabar. Gaz.prom 7 no.3: 31-33 '62.

TANK VESSELS

Hinges for filling and discharging devices. M.A.El'kin. Mash.i neft.obor. no.5:9-11 '63

Loading process of a seagoing tanker. IU K.Lekhan. Ekon i ekspl.mor transp. no.1:96-101 '63

TANK VESSELS—CORROSION

Moisture conditions of cargo spaces in a tank vessel and effect of air drying operations on them. IU.K.Lekhan. Ekon.i ekspl mor.transp. no.1:101-107 '63.

TANK WARFARE

(see also subdivision under United States)

Antitank weapons and their use in combat; a survey of foreign military publications. V.Avilin. Voen.vest. 44 no.7:114-120 Jl '64.

Overcoming obstacles. V.Zhuravlev. Voen.vest. 43 no.4:87-89 Ap '64.

Tank platoon in combat reconnaissance patrol. F.Trofusha. Voen.vest. 43 no.4:35-37 Ap '64.

Training in a tank company. A.Romanenko. Voen.vest. 44 no.7:90-101 Jl '64.

Why is this forgotten? A.Kutukov. Voen.vest. 44 no.7:68 Jl '64.

TANKS

Floating aluminum roofs for reservoirs. Transp.i khran.nefti i nefteprod. no.7:37-38 '64.

New method for changing tank bottoms. A.D.Shabalkin. Mash.i neft.obor. no.4.14-16 '63.

TANKS—CORROSION

Instruments for the monitoring and control of the thickness of the walls of steel pipelines and reservoirs. IU.A.TSimbler, V.A.IAshin. Transp.i khran.nefti i nefteprod. no.7:29-33 '64.

TANKS (MILITARY SCIENCE)

(see also subdivision under Great Britain)

Seasonal service V.Kuleshov Tekh i vooruzh no 3 56-57 Mr '64.

TANNINS

Anatomical and microchemical analysis of the distribution of ephedrine and tanning substances in the shoots of ephedras. M.Khazhmuratov. Trudy Inst bot.AN Kazakh.SSR 16:249-267 '63

Presence of water-insoluble tannins in the roots of the spurge Euphorbia palustris II P Pivnenko and others Farmatsev zhur 16 no 1 32-35 '61

TANTALUM—ANALYSIS

Determination of niobium and tantalum in solutions based on the absorption of scattered X rays G.I Rekhkolainen. Zav lab. 30 no.6.689-691 '64

Extraction of fluotantalate with basic dyes. Report No.2: Comparative study of certain basic triphenylmethane dyes as reagents for the extraction-photometric determination of tantalum S V.Makarova, I P. Alimarin. Zhur.anal khim. 19 no 5:564-568 '64.

TANTALUM CHLORIDES

Interaction of tantalum tetrachloride with rubidium and cesium chlorides. V.V.Safonov and others. Zhur. neorg.khim. 9 no.6:1406-1410 Je '64.

TANTALUM ISOTOPES

Measurement of the gyromagnetic ratios of nuclei in the excited state. A.K.Val'ter and others Ukr fiz zhur 8 no.9:935-946 S '63.

TAPEWORMS

(see also subdivision under Berezina Preserve, Magadan Province; Yamal Peninsula)

Role of the nine-spined stickleback in the dissemination of diphyllobothriasis. P.B.Gofman-Kadoshnikov and others. Med.paraz.i paraz bol. 32 no.4:460-465 Jl-Ag '63.

TAPS AND DIES

Circular dies with checkered threads. V.I.Agureev. Soversh.tekh.mash.i prib. no.3:120-122 '60.

TARGET PRACTICE

Accounting for irregular target travel in firing with radar. S.Andrienko. Voen.vest. 43 no.4:75-76 Ap '64.

A "bullet" in the target I.Shur. Tekh i vooruzh. no.3: 32-33 Mr '64.

Training device for firing at moving targets. D.Efremov Voen.vest. 43 no.4:109-111 Ap '64.

TARTARIC ACID

Complexometric determination of sulfuric acid in the presence of tartaric acid. A.A.Vulikhman, V.N. Ermilova, N.L.Olenovich Nauch.ezhegod Khim fak. Od un. no.2 83-85 '61

TARTU—OPERA

First times on a Soviet stage Marika Ola Sov.muz 28 no 1 56-59 Ja '64

TASHKENT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Where people live. R.Babadzhanova. Part.zhizn' no.12:46-50 Je '64.

TASHKENT—COTTON-PICKING MACHINERY—SAFETY MEASURES

Your calmness is incomprehensible A Perahin. Sov. profsoiuzy 20 no.16:26-28 Ag '64

TASHKENT—MILITARY EDUCATION

They will become officers. V.Suvorov. Voen.znan. 4 no.7.12-13 Jl '64.

TASHKENT—MINERAL WOOL

Diabases and spilites from northern Nuratau as raw materials for the production of mineral wool. O.A. Mikhailiants and others. Sbor.nauch.trud.NII po strol.ASIA no.4:72-77 '63.

TASTE

Taste analysis in cats following the extirpation of sigmoid gyri. A.S.Batuev, L A Samoilova Nauch. dokl.vys.shkoly; biol.nauki no 3:68-71 '64.

TATAR A.S.S.R.—FLEAS

A new species of fleas, Ctenophthalmus (Euctenophthalmus) tataricus Rostigayev et Schiranovitsch sp.n. B.A.Rostigaev, P.I.Shiranovich. Zool.zhur. 43 no.4:612-613 '64.

TATAR A. S. S. R.—GOITER

In a locality of endemic goiter, the physical development of children depends on the state of the thyroid gland I. G. Tazetdinova Zdrav. Ros Feder 8 no 1 16-18 Ja '64

TATAR A. S. S. R.—LIBRARIES

Dictated by life R Fattusovich Bibliotekar' no 7 5-10 Jl '64

TATAR A. S. S. R.—PETROLEUM GEOLOGY

Lithology and reservoir rock properties of the carbonate rocks of the Upper Famen substage and the Tournasian stage in the southeast of the Tatar A S S R in connection with their oil potential (Sullinskiy region) R A Abdullin Trudy VNIGRI no 228 62-66 '64

Time of the formation of local structures and the oil fields of the Yelabuga-Bondyug zone of uplifts R.A. Bareev, L D Faizullin Geol.nefti i gaza 8 no 8·39-44 Ag '64

TATAR A. S. S. R.—PETROLEUM PRODUCTION

Differential degassing of the Devonian oils in the fields of the Tatar A S S R A I Zhelonkin Neft Khoz 42 no 6 30-34 Je '64

TATAR A. S. S. R.—ROCKS, CARBONATE

Lithology and reservoir rock properties of the carbonate rocks of the Upper Famen substage and the Tournasian stage in the southeast of the Tatar A. S S R in connection with their oil potential (Sullinskiy region) R A Abdullin Trudy VNIGRI no 228 62-66 '64

TAX COLLECTION

Procedure for the collection of delinquent taxes, compulsory insurance payments, and self-assessments B. Il'in Sots zakon. 41 no 4·66-67 Ap '64

TAXATION

Give more attention to workers' complaints and applications. M Pytina Fin SSSR 38 no 6;57-59 Je '64

TAYLOR'S SERIES (MATHEMATICS) see Series, Taylor's

TAYMYR PENINSULA—MIGMATITES

Migmatites of the Taymyr Peninsula. L. V. Makhlaev. Vest. LGU 19 no. 12:47-55 '64.

TEA see subdivision under Lenkoran' region (Azerbaijan)

TEA—FERTILIZERS AND MANURES see subdivision under Azerbaijan

TEACHERS

Good luck, teacher! Nar obr. no 8·VII-VIII Ag '64.

Lenin spoke here S Kudelin Nar obr no. 8·98 Ag '64.

TEACHERS—LEAVES OF ABSENCE see subdivision under Siberia

TEACHERS—LEGAL STATUS, LAWS, ETC.

Zhanabilov, Erkin. [Labor rights of educational workers] Trudovye prava rabotnikov prosveshcheniia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1964. 100 p.

TEACHERS—SALARIES, PENSIONS, ETC.

From the report at the session of the Supreme Soviet of the U S S. R. of July 13, 1964. N S Khrushchev. Nar obr no 8 1-VI Ag '64

TEACHERS, TRAINING OF
(see also subdivision under Rostov Province; Ukraine)

Our work on methods. A Saburova. Nar. obr. no. 8·24-25 Ag '64

We master the fundamentals of agriculture. M. Stefaniv-s'ka Rad. shk 42 no. 4·91 Ap '64.

TEACHING
(see also subdivision under Ural Mountain region)

Development of the creative initiative of students M. Gorlov Nar obr no. 8 26-28 Ag '64

How to introduce progressive practices. E. Skvortsova. Nar obr no 8 28-30 Ag '64

Important means for improving the quality of student knowledge. A. M. Popova. Vech. sred. shkola 7 no. 2; 49-51 Mr-Ap '64.

Let's search and go on searching! E. Krechetova. Nar. obr no 8 81-87 Ag '64

Quiz lecture. G. I. Kalachniuk. Sred. spets. obr. 11 no. 6:49-51 Je '64.

Theory of explanation. A. M. Sokhor. Izv. APN no. 129: 41-46 '63.

What does a teacher think Nar obr. no. 8·94-97 Ag '64

TEACHING MACHINES

Classification of teaching machines. A. Prokof'ev, N. Supriaga. Tekh i vooruzh no. 3;30-31 Mr '64

A group teaching machine. E. Rubtsov. Tekh i vooruzh. no. 3:32-34 Mr '64.

Teaching machines for grades 1-4. Z. O. IAlanets'kyi. Rad. shk. 42 no. 4:54-56 Ap '64.

Use of cybernetics in the educational process. O. L. Alekseev. Izv. APN no. 129 36-40 '63.

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Egypt

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION
(see also subdivision under Donetsk Province, Kazakhstan, Moscow, Ukraine)

Editor's mail. Sred. spets. obr. 11 no. 6·63-64 Je '64.

In the Ministry of Higher and Secondary Specialized Education of the U. S. S. R. Sred. spets. obr. 11 no. 6; 61-62 Je '64.

Let's conduct the admission to secondary specialized schools in an organized way. Sred. spets. obr. 11 no. 6 5-8 Je '64.

New terms of the training of specialists with secondary education. Sred. spets. obr. 11 no. 6:1-4 Je '64.

Propagandize and introduce the new S. Semenov. Part. zhizn' no. 12:73-74 Je '64

Russia (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs for secondary schools with industrial training, occupation of a laboratory technician for mechanical testing] Programmy srednei shkoly s proizvodstvennym obucheniem, professiia - laborant po mekhanicheskim ispytaniiam [Sverdlovsk] Prosveshchenie, 1964. 29 p.

Training personnel on the level of current problems. K A Khzmalian Meteor i gidrol no 6 12-43 Je '64

TECHNICAL LIBRARIES

Everling, N. A. [System of the catalogues of technical libraries, methods manual] Sistema katalogov tekhnicheskikh bibliotek, metodicheskoe posobie. Moskva, Gos. publichnaia nauchno-tekhn. biblioteka SSSR, 1961. 34 p. (V pomoshch' rabotnikam tekhnicheskikh bibliotek)
(NNC)

TECHNICAL SOCIETIES—FINANCE

Financial operations of an initial organization of the society NTO 6 no. 6 52-54 Je '64

TECHNICAL WRITING—HANDBOOKS, MANUALS, ETC.

Gor'kova, V. I., and T. V. Muranivskii. [Handbook for documentation and editing of scientific and technical literature, a manual for editors, abstractors and proofreaders] Posobie po referirovaniiu i redaktirovaniiu nauchno-tekhnicheskoi literatury, spravochnik dlia redaktorov, referentov i korrektorov. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1964. 267 p.

TECHNICIANS IN INDUSTRY

Important practice in the further development of the bonus system I. Slavnyi. Fin SSSR 38 no. 6;13-19 Je '64.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Moscow; Rumania; United States; Voronezh)

Achievements of innovators should be available to all workers. V. V Zasanskii. Mashinostroitel' no. 7;10-11 Jl '64.

Active participants in the building of communism. NTO 5 no. 12·2-5 D '63.

Advertising board. Izobr i rats. no 5 20-21 '64.

Conceived-achieved. Izobr i rats no 5·10-11 '64.

Conference of institutions of higher education on scientific fundamentals of advanced technology in the machinery and instrument industries. Vest. mashinostr. 44 no. 6·85 Je '64.

Determining the economic efficiency of new equipment where there is an increase in the volume of production. A. I. Shuster. Sbor. nauch. inform. Nauch sov. po eff. osn. fond. kap. vlozh. i nov. tekh. AN SSSR no. 4;86-92 '63.

For the sake of the equity E Dobrovol'skii Izobr. i rats no 5 33-34 '64.

Foreign news. NTO 6 no 5;58-59 My '64.

Foreign news NTO 6 no. 6,55-56 Je '64.

From the exhibition into industrial production. Inform. biul. VDNKH no. 2:15-16 F '64

From the notebook of the technologist of "Izobretatel' i Ratsionalizator " Izobr. i rats. no. 5,27 '64.

Good deeds of the scientific and technical community. V. V Kasatkin, R F. Seregina Mashinostroitel' no 6, 44 Je '64

In your attorney's office Izobr i rats. no 5·21 '64

Introduce innovations urgently. N Gritsenko. NTO 6 no. 6;2-5 Je '64.

Introducing advanced technological equipment and improving the production of tools. P. Tiuvakin. Sovershen. tekh. mash i prib no. 3·3-16 '60.

Inventors suggest. Mashinostroitel' no. 7:36-37 Jl '64.

Labor productivity is most important. V. Gusev. NTO 5 no. 12;9-11 D '63.

Methods for determining the economic efficiency of capital investments and new equipment. T. P. Volkova; Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov tekh. AN SSSR no. 4;123-126 '63.

Mosaic of inventions. Izobr. i rats. no 5·39 '64.

New developments in Soviet science and technology. NTO 6 no. 5;49-51 My '64.

New developments in Soviet science and technology. NTO 6 no. 6:50-51 Je '64.

New equipment into production. A. Bychkova. NTO 6 no 5;25-27 My '64.

News of Soviet science and technology. NTO 5 no. 12: 50-51 D '63.

Personal plans of technical development should be available to all machinery industry workers IA R Bukhman Mashinostroitel' no. 6;4-5 Je '64

Recommended by the Innovators' Council of Leningrad. G N Grushetskii Mashinostroitel' no 6·28-29 Je '64

Results of the Second All-Union Public Survey of the Fulfillment of Research Plans and Introduction of the Achievements of Science and Technology in the National Economy and the tasks of the carrying-out of the Third Public Survey N. S. Fedotenko Vest mashinostr 44 no 6,82-85 Je '64.

Science and technology abroad. NTO 5 no. 12:55-56 D '63.

Seekers and fighters V Silulanov Sov profsoiuzy 20 no. 14 8-10 Jl '64

Technological innovators Inform. biul. VDNKH no. 8 38-39 Ag '63.

This can be used in your enterprise. Mashinostroitel' no 6·26-27 Je '64

This can be used in your enterprise. Mashinostroitel' no. 7;26-27 Jl '64.

This is the way we live. Izobr i rats. no 5 17 '64

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGICAL INNOVATIONS—EXHIBITIONS see subdivision under Moscow

TECHNOLOGICAL INNOVATIONS—LAWS AND LEGISLATION

Zamiatina, K. G. [Fundamental rights and duties of the authors of discoveries, inventions and efficiency suggestions] Osnovnye prava i obiazannosti avtorov otkrytii, izobretenii i ratsionalizatorskikh predlozhe- Perm', Permskoe knizhnoe izd-vo, 1960. 62 p.
[MICROFILM]

TECHNOLOGICAL INNOVATIONS—RESEARCH

Directive of the coordinating conference on the research plan for the economic efficiency of capital assets, capital investments and new equipment for 1963. Sbor. nauch. inform. Nauch. sov. po eff osn. fond. kap vlozh. i nov. tekh AN SSSR no. 4;116-119 '63.

Work of the Section of the Economic Efficiency of Capital Investments and New Equipment of the Institute of Economics of the Academy of Sciences of the U.S.S.R. T. A. Zaitseva. Sbor. nauch. inform. Nauch. sov. po eff. osn. fond kap. vlozh. i nov. tekh. AN SSSR no. 4:120-122 '63.

TECHNOLOGY

Dobrov, G. M., and A. IU. Golian-Nikol'skii. [Century of great hopes; the fortunes of scientific and technological progress in the 20th century] Vek velikikh nadezhd; sud'by nauchno-tekhnicheskogo progressa XX stolittia. Kiev, Naukova, dumka, 1964. 176 p.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—CONGRESSES

Second All-Union Congress of Scientific Technological Societies. IA Sukhorukov. Neft. khoz. 42 no 6:64-65 Je '64

TECHNOLOGY—INFORMATION SERVICES
(see also subdivision under Dneprodzerzhinsk)

Grinevskii, M. A. [Technical information in industrial enterprises is an important condition for speeding up technical progress] Tekhnicheskaia informatsiia na proizvodstve - vazhnoe uslovie uskoreniia tekhnicheskogo progressa. Tallin, Biuro tekhn. informatsii SNKh ESSR, 1962. 47 p.

TECHNOLOGY—LAW AND LEGISLATION

Concept of legal norms in the field of technology and their role in the formation of social relations. A. F. Cherdantsev. Sov. gos. i pravo 34 no. 7:134-136 Jl '64.

TECHNOLOGY—PERIODICALS—BIBLIOGRAPHY see Bibliography—Technology—Periodicals

TECHNOLOGY—PHILOSOPHY

Some features of scientific and technological progress. IU. S. Meleshchenko. Uch. zap. Kaf. obshchestv. nauk vuz. g. Len.; Filos. no. 4:33-51 '63.

TECHNOLOGY AND CIVILIZATION

Development of science into a direct production force is the basic feature of the building of communism. I. A. Maizel'. Uch. zap. Kaf. obshchestv. nauk vuz g. Len.; Filos. no. 4;52-73 '63.

TEDZHEN VALLEY—GEOLOGY, STRATIGRAPHIC

Two types of cross sections of the sediments in the Esenbayskaya series. M. I. Raevskii. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 2;88-93 '63.

TEICHOIC ACIDS

Some properties of glycerol teichoic acids isolated from Actinomyces rimosus T-118 and Actinomyces antibioticus 39. I B Naumova, M Sh Zaretskaia Dokl.AN SSSR 157 no.1 207-210 Jl '64

Some properties of ribitol teichoic acid isolated from Actinomyces violaceus. I.B.Naumova, M.Sh.Zaretskaia. Dokl.AN SSSR 156 no.6:1464-1467 Je '64.

TEILHARD DE CHARDON, PIERRE

Book on Teilhard de Chardin. I.Kravchenko. Nov mir 40 no.1 278-281 Ja '64

TELECOMMUNICATION

Construction of an information transmission and distribution control network. V. G. Lazarev. Probl. pered. inform. no.15:5-12 '63.

Effectiveness of discrete algorithms in the selection of spatial signals with correlated noise background. A.E. Basharinov, N.I.Ananov. Radiotekh.i elektron. 9 no.7:1119-1126 Jl '64.

Experimental determination of the correlation of slow changes in thermal and transient noises in tropospheric communication lines. A.S.Nemirovskii. Elektrosviaz' 18 no.5:75-76 My '64.

"Linear communication systems" by I.I.Grodnev and N.D.Kurbatov. Reviewed by A.S.Gurevich. Elektrosviaz' 18 no.8:79 Ag '64.

Method for correcting error bursts. O. V. Popov. Probl. pered. inform. no.15:61-70 '63.

Method for optimalizing the structure of a communication network. A. IA. Tolchan. Probl. pered. inform. no 15:42-60 '63

Methods for constructing a program control unit for a regulating device. V. G. Lazarev, F. I. Piil'. Probl. pered. inform. no.15 23-35 '63.

Methods for the reception of AM signals with superimposing frequency spectra of useful and interfering signals. IU.N.Babanov. Radiotekh.i elektron. 9 no.7:1149-1158 Jl '64.

Multichannel sequential detection of signals with rectangular lower threshold. V.A.Bugaev. Radiotekh. i elektron. 9 no.7:1136-1148 Jl '64.

Optimum and quasioptimum filtration of spatial signals with presence of correlated noise. V.A.Bugaev. Radiotekh.i elektron. 9 no.7:1127-1135 Jl '64.

Optimum number of signal positions in an FM communication system using a storage technique. I.G.Khanovich. Elektrosviaz' 18 no.5:22-28 My '64.

Perfecting economic relations in communication enterprises. A.F.Kucherov. Trudy kaf.obshchestv.nauk OEIS no.3:76-85 '62.

Petrovich, N.T. [Communication channels with phase keying] Kanaly sviazi s fazovoi manipuliatsiei. Moskva, Red.-izd. otdel Vses. zaochnogo elektro-tekhn. in-ta sviazi, 1962. 61 p.

Quadratures characterizing the interference rejection of communication systems. I.G.Khanovich. Radiotekh.i elektron. 9 no.7:1298-1300 Jl '64.

Spurious phase modulation in the limiting of AM oscillations. V.I.Grigulevich, V.A.Lobodzinskii. Elektrosviaz' 18 no.8:73-76 Ag '64.

Time characteristics of a program control device. G. G. Savvin. Probl. pered. inform. no.15:30-41 '63.

TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref.zhur.: Radiotekh.i elektrosviaz' nos.7-8 Jl-Ag '64.

TELEGRAPH

Comparison of the interference rejection of some phase telegraphy signal reception techniques. M.I.Polokhatyi. Elektrosviaz' 18 no.8:17-20 Ag '64.

TELEMETER

Determining the main parameters of a phase optical range finder with smoothly changing modulation frequency. V.S.Mikheechev. Izv.vys.ucheb.zav.; geod.i aerof. no.6:125-128 '63.

TELEMETER (PHYSIOLOGICAL APPARATUS)

Method of studying simultaneously the rate of work movements and the frequency of systoles. A.V. Zinkovskii, IU.N.Verkhalo. Teor.i prak.fiz.kul't. 27 no.4:38-40 Ap '64

TELEMETERING

Deep-well instrument for measuring drilling parameters with a pulse-width telemetering system S.G Temkin, A P.Liubarskii, A D Belov. Trudy KNII NP no.17.111-116 '62.

Transmitting device of a frequency telemetry system of low-power output signals. O.N.Shcherban', R.A. Kaplan, A.V.Prymak. Avtomatyka 8 no.6:42-46 '63.

TELEOSTEI

Liver regeneration in lower vertebrates. N.I.Grigor'ev. Arkh.anat.,gist.i embr. 43 no.8:77-87 Ag '62.

TELEPHONE

Noise suppression by a syllable compandor. A.A.Nemirovskii. Elektrosviaz' 18 no.8:65-70 Ag '64.

TELEPHONE, AUTOMATIC—BIBLIOGRAPHY see *Bibliography—Telephone, Automatic*

TELEPHONE, DIAL

Eidel'man, L.IA., and S.M.Sasonko. [Numeration of the subscribers to the automated telephone network of the Soviet Union] Numeratsiia abonentov na avtomatizirovannoi telefonnoi seti *Sovetskogo Soiuza*, *Moskva*, Sviaz', 1964. 72 p. (Letskii po tekhnike sviazi)

TELEPHONE DIRECTORIES see subdivision under Moscow

TELEPHONE STATIONS

Khachirov, L.I. [Manual telephone exchanges] Telefonnye stantsii ruchnogo obsluzhivaniia. Moskva, *Red.-izd.otdel* Vses.zaochnogo elektrotekhn. in-ta sviazi, 1962. 32 p.

[MICROFILM]

TELESCOPE

(see also subdivision under United States)

Automatic rotation system for a telescope dome. B N Dzhaparidze, A N Korol'. Biul Abast astrofiz obser no 30 139-141 '64.

TELESCOPE, ZENITH

Determining temperature coefficient and the distances between horizontal lines on the glass plate of the ocular micrometer of the Moscow zenith telescope. L.P. Basurmanova. Soob.GAISH no.134 37-39 '64.

Value of the screw turn of the ocular micrometer of the zenith telescope at the Moscow Observatory. L.V. Rykhlova, IU.I.Prodan. *Soob.GAISH no.134 33-36* '64.

TELESCOPE, ZENITH—TESTING

Determining the distortion of the Moscow photographic zenith telescope. D.N.Ponomarev, A.A.Volchkov. Soob.GAISH no.134 40-45 '64

TELETYPE

Increase in the correctional reliability in teletype apparatus. IU.A.Kuznetsov. Elektrosviaz' 18 no 5;35-39 My '64.

TELEVISION

(see also subdivision under Germany, West; United States)

Contactless measurement of the linear dimensions of bodies using television. G.IA.Pudkov, V.S.Revenko. Vych.tekh.i vop.prog. no.2 62-71 '63.

Large radio relay lines broaden the horizons of television. V.Semonchkin, S.Glatman Radio no 1:3-5 Ja '64.

Selecting the number of quantization levels in pulse-code modulation. N.N.Krasil'nikov, A.I.Filatov. Tekh. kino i telev. 8 no7.51-54 Jl '64.

Transmission of the audio component of a television broadcast using video signal multiplexing by phase modulated pulses. K.A.IAshchenko, IU.B.Zverev. Elektrosviaz' 18 no.8:38-43 Ag '64.

TELEVISION—ABSTRACTS

Abstracts. Tekh.kino i telev. 8 no.7:81-90 Jl '64.

TELEVISION—MAINTENANCE AND REPAIR

Samoilov, G.P. [Maintenance of a television set] Ukhod za televizorom. 2. izd. Pod obshchei red. A.M.Kanaevoi. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no.508)

TELEVISION—RECEIVERS AND RECEPTION

Networks of scanning devices for 100° kinescopes D.Kheifets. Radio no 1 26-29 Ja '64.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Magnetic system for a miniature vidicon. G.A.Shchegolev, N.P.Seliverstova, N.L.Artem'ev. Tekh.kino i telev. 8 no.7:65-66 Jl '64.

TELEVISION BROADCASTING

Television and the first book about it. N.Krymova. Nov.mir 40 no.2:257-260 F '64.

TELEVISION CAMERAS

Automatic sharpness control in television cameras. G.I.Bialik, B.S.Timofeev. Tekh.kino i telev. 8 no. 7:59-64 Jl '64.

Determining the illumination required for the television detection of object details. S.B.Gurevich, R.A.Gamburg. Tekh.kino i telev. 8 no7.45-50 Jl '64.

TELEVISION IN RESEARCH

Shumikhin, IU.A. [Automatic television systems] Televizionnye avtomaty. Moskva, Energiia, 1964. 46 p. (Massovaia radiobiblioteka, no.537)

TELEVISION MUSIC

Opera? A musical novella? D.Romadinova. Sov.muz 28 no.1 100-103 Ja '64.

Think, dispute, search. B.Mikhailov Sov muz. 28 no.1:98-100 Ja '64.

TELEVISION PICTURE TUBES

New kinescopes. B.S.Malkiel' and others. Tekh.kino i telev. 8 no7:55-58 Jl '64.

TELLURATES

Production of magnesium orthotellurate from metallic tellurium. R.N.Kniazeva, G.N.Chernova, IU M. Ovchinnikov. Zhur.neorg.khim. 9 no.6.1496 Je '64.

TELLURIUM—ANALYSIS

Determining indium, antimony, and tellurium in alloys. *V.S.Nagibin*, E.V.Liventseva. Trudy Inst.met. no.14: 255-258 '63.

Pulse polarographic determination of tellurium traces *in metallic Sb, In, Ga, and Bi* B IA Kaplan, I A Sorokovskaia, O A Shiriaeva Za lab 30 no 6 659-661 '64

TELLURIUM COMPOUNDS

Microhardness of HgTe - CdTe systems A D Shneider, I.V.Havrishchak Ukr fiz zhur. 8 no 9 1028-1029 S '63

TEMPERATURE see subdivision under Ladoga, Lake

TEMPERATURE—PHYSIOLOGICAL EFFECT

Changes in the reflex adjustment of the visual receptor system in temperature stimulation of the skin. L.M. Kurilova. Biul.eksp.biol.i med. 55 [i.e.56] no.10 10-13 O '63.

Some changes in the respiration, cardiovascular system, morphological composition of the blood, and the temperature reaction in dogs during thermal irritation of the gastric mucosa IU E Zgural'skii, N A Petrashova Sbor nauch rab stud Volg.gos med inst no 1 50-59 '60

TEMPERATURE FIELDS

Nonstationary temperature field of freezable sectors of systems with liquid metal coolants P I Bystrov Teplofiz vys temp 2 no 3 429-436 My-Je '64

TEMPERATURE REGULATORS

Automatic temperature control in electric heating P D Zrazhevskii, I I Mitin Trudy Inst met i obog AN Kazakh SSR 8 171-173 '63

Determination of temperature increase in the windings of salient pole synchronous machines taking into account the idle operation of the synchronous compensator B F Oskerko Elektrotekhnika 35 no 5 44-45 My '64

Improving the quality of the temperature regulation of the working surfaces of the ironing press pads. A.S. Ruzhentsev, A.G.Shelud'ko. Shvein.prom. no.2,4-6 Mr-Ap '64.

Temperature-control system for a catalytic-cracking reactor with a finely divided catalyst A A Abdullaev and others Neftepor i neftekhim no 8 19-22 '63

Temperature regulation in laboratory furnaces. F.I Strihunov. Khim.prom.[Ukr.] no.3 73 Jl-S '63.

TEMRYUK REGION (KRASNODAR TERRITORY)—VERTEBRATES, FOSSIL

New data on the Taman fauna complex of vertebrates. I.A.Dubrovo Biul.MOIP.Otd geol 38 no.6 94-99 N-D '63.

TENNIS

Forming the motor skills of tennis players. L.M. Shul'ga. Teor.i prak.fiz.kul't 27 no.4:40-42 Ap '64.

TENSIOMETERS

Measuring the stress in the blade of a band saw by the method of wire tensiometry. I.I.Trubnikov Izv.vys. ucheb.zav.; les.zhur. 6 no.3.119-121 '63.

TEREK-KUMA VALLEY—GAS, NATURAL—GEOLOGY

Regularities in the distribution of the oil and gas potential of the Mesozoic in the platform slope of the Terek-Kuma Valley. L.S.Temin. Gaz.prom. 9 no.6;5-9 '64.

TEREK VALLEY—JOURNALISM, SOCIALIST

S.M.Kirov's revolutionary journalism during the period preceding the October Revolution from 1909 to 1917. M.S.Totoev. Izv.Sev.-Oset.nauch.-issl.inst 23 no.2:121-147 '62.

TEREK VALLEY—REVOLUTION, 1917-1921

G.K.Ordzhonikidze in the Terek Valley. V.S.Gal'tsev Izv Sev.-Oset.nauch.-issl.inst. 23 no 2:69-120 '62.

S.M.Kirov's revolutionary activity in the Terek Valley. S D Kulov. Izv Sev.-Oset.nauch.-issl.inst. 23 no.2: 5-68 '62

TERENT'EV, N.

Drama and its hero; N.Terent'ev's tragedy: The cuckoo still calls. N.A.Leont'ev. Uch.zap.CHNIIIALIE no.22:252-262 '63.

TEREPHTHALIC ACID

Terephthalic acid from paradiisopropylbenzene. A.P. Petrov, M.M.Movsumzade. Izv.vys.ucheb.zav.; neft' i gaz 6 no.7:63-65 '63.

Use of petroleum toluene to obtain terephthalic acid. A.Z.Bikkulov and others Nefteper.i neftekhim. no.8 33-35 '63.

TERMS AND PHRASES

Babkin, A.M., ed. [Problems of phraseology, studies and materials] Problemy frazeologii; issledovaniia i materialy. Moskva, Izd-vo "Nauka," 1964. 316 p.

TERRACES (GEOLOGY) see subdivision under Danube Valley; Ob' Valley; Prut Valley

TESTICLE—ABNORMITIES AND DEFORMITIES

Study of the characteristics of morphologic and functional changes in the retained testicle. D.S.Natriashvili Soob.AN Gruz.SSR 33 no.3 687-694 Mr '64.

TESTICLE—CANCER

Malignant tumors of the testis in children. L.I.Sneshko, N.L.Kushch, A.IU.Svidler. Urologiia no.1:60-61 '64.

TESTICLE—TRANSPLANTATION

Treatment of impotence by transplantation of the testis on a vascular flap. B.S.Gekhman. Urologiia no.1:59-60 '64.

TESTING MACHINES

Hydraulic excitation of cyclic loads in a wide frequency range IU N Morozov, IU.E Tiablikov. Vest. mashinostr. 44 no.6 37-41 Je '64.

Machine and a rapid method for determining the wear resistance of free-flowing materials S N. Rudanovskii Zav.lab. 30 no.6;756-757 '64.

Machine for testing metals for rolling wear resistance in the presence of a transverse slip motion. A.S. Kraev Zav.lab. 30 no 6 753-755 '64

TESTOSTERONE

Effect of prolonged administration on testosterone propionate on the morphological composition of the blood of adrenalectomized rats R.S.Filatova Fiziol zhur [Ukr.] 9 no.6·754-758 N-D '63

TETANUS—PREVENTIVE INOCULATION

Clinical and electrocardiographic studies and some biochemical data in hyperimmunization of horses by tetanic and diphtherial antigens. K.R Korchilava Soob.AN Gruz SSR 33 no.3 701-706 Mr '64.

TETRACAINE

New qualitative reaction for dicaine. P.D Shvartsman Farmatsev.zhur 16 no.1 64 '61

TETRACYCLINE

Experimental data on the increase of resistance in rats to radiation sickness following preliminary administration of tetracyclines. A.M.Dumova, O O Chirkova. Med.rad. 8 no.12;50-55 D '63

Possibilities of transplacental chemotherapy of the fetus with antibiotics from the tetracycline group. A I Barkalaia, A M.Chernukh. Akush.i gin. 39 no.5 74-78 S-O '63.

TETRALOGY OF FALLOT

Clinical aspects and treatment of Fallot's tetralogy with left-right blood shunt. G.T.Maliavin, IU.D.Volynskii. Grud.khir. 5 no.5;19-24 S-O '63.

TETRAZOLIUM COMPOUNDS

Cytochemistry of DPN-H and TPN-H-tetrazolium reductases in the secretory cells of the mammary gland. M.V.Shornikova. Dokl.AN SSSR 158 no 1·196-198 S-O '64.

TEXTILE FABRICS

Development of methods to increase the light-fastness of cotton and acetate-cellulose fabrics. K. Makhkamov and others. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6·112-117 '63.

Fulling and pile as a factor for fabric protection against weathering. L.G.Leites, G.V.Zhil'tsova, V.I.Tikhomirova. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6·36-40 '63.

Use of porolon lined fabrics for the manufacture of outerwear garments. M.S.Mikhailova, V.F.Shan'gina. Shvein.prom. no.2:13-15 Mr-Ap '64.

TEXTILE FABRICS—TESTING

Changes occurring in the geometry of fabrics during stretching. T.A.Modestova, B.A.Buzov. Izv.vys. ucheb.zav., tekh.tekst.prom. no.6·22-28 '63.

Studying the physicomechanical properties of summer dress fabrics of various fiber composition. B.D. Semak. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6 29-35 '63.

TEXTILE FACTORIES

Activity of the Social Scientific Research Institute (SSRI) at the factory. IA.M.Astaf'ev. Khim.volok. no.3; 69-70 '64.

Role of the fuel factor in the distribution of the synthetic fiber industry. N.V.Alisov, V.F.Moskvin, F.G. Grigor'ian. Khim.volok. no.3;57-60 '64.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Kursk)

Brief news. Khim.volok. no.3;77-79 '64.

Comparison analysis of the formules proposed for the calculation of the strength of acetate and viscose yarns. I.I.Feiman. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.6·18-21 '63.

Dry method of forming fibers from polyvinyl alcohol K.E.Perepelkin, V.I.Rabinovich. Khim.volok. no.3 11-15 '64.

Letter to the editor. Khim.volok. no.3;43-44 '64.

Method of determining the bulk volume of elastic filaments. IU.A.Mazov. Khim.volok. no.3;53-56 '64.

Modification of the properties of polypropylene fibers. M.P.Zverev and others. Khim.volok. no.3;15-19 '64

Process of forming polycarbonate fibers. L.G. Vedernikova, A.A.Konkin. Khim.volok. no.3;26-29 '64.

Production of industrial oleic acid and other products for the manufacture of avivage and oiling preparations. M.S.Levit and others Masl.-zhir prom. 30 no.7.23-25 Jl '64.

Reports. Khim.volok. no.3;71-76 '64.

Results of the Scientific Interuniversity Conference on the Development and Introduction of Efficient Methods for the Processing of Synthetic Fibers. Izv.vys.ucheb. zav, tekh.tekst.prom. no.6 184-186 '63

Role of the fuel factor in the distribution of the synthetic fiber industry. N.V.Alisov, V.F.Moskvin, F.G. Grigor'ian. Khim.volok. no.3;57-60 '64.

Some correlations in the mechanics (hydrodynamics) of the process of forming of synthetic fibers. K.E. Perepelkin. Khim.volok. no.3;1-6 '64.

Structural changes of polyacrylonitrile fibers in the process of forming. S.I.Slepakova, B.E.Geller. Khim.volok. no.3;7-10 '64.

Use and processing of synthetic fibers in the textile industry. V.A.Usenko. Izv.vys.ucheb.zav., tekh. tekst.prom. no.6 48-54 '63.

TEXTILE FIBERS, SYNTHETIC—BIBLIOGRAPHY see Bibliography—Textile fibers, Synthetic

TEXTILE FIBERS, SYNTHETIC—DICTIONARIES

Dictionary of chemical terms. Agitator no.10·63 My '64.

TEXTILE FINISHING

Studying the physicomechanical properties of summer dress fabrics of various fiber composition. B.D Semak. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6·29-35 '63.

TEXTILE INDUSTRY see subdivision under Leningrad Province; Moscow

TEXTILE INDUSTRY—HYGIENIC ASPECTS

Vsesoiuznyi nauchno-issledovatel'skii institut okhrany truda. [Improvement of safety measures and hygienic conditions for work on the roving machines in flax spinning industries] Uluchshenie tekhniki bezopasnosti i sanitarno-gigienicheskikh uslovii truda na rovnichnykh mashinakh l'nopriadil'nogo proizvodstva. Ivanovo, 1963. 21 p. (V pomoshch' inzhenerno-tekhnicheskomu personalu i profsoiuznomu aktivu po okhrane truda na tekstil'nykh predpriiatiiakh)

[MICROFILM]

TEXTILE INDUSTRY—MANAGEMENT

Preparation of materials for the compilation of the technical, industrial and financial plan of a textile factory on the electronic calculating machine. A.P. Pavlov. Izv vys.ucheb.zav., tekh.tekst.prom. no.6 3-10 '63.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow region

TEXTILE MACHINERY

Reports. Khim.volok. no.3;71-76 '64.

Use of frequency converters in the electric drive system of synthetic fiber molding machines. V.N.Levin, R.L. Rabkin, N.A.Smolin. Khim.volok. no.3;30-32 '64.

TEXTILE RESEARCH

Results of the Scientific Interuniversity Conference on the Development and Introduction of Efficient Methods for the Processing of Synthetic Fibers. Izv.vys.ucheb. zav.; tekh.tekst.prom. no.6;184-186 '63

TEXTILE WORKERS see subdivision under Kalinin

TEXTILE WORKERS—DISEASES AND HYGIENE see subdivision under Krasnodar

THABIT, ANTOINE GEORGE

In memory of Antoine Thabit. Az.i Afr.seg 6 no.6·60 Je '64.

THALLIUM COMPOUNDS

Interaction of trivalent thallium with a monosodium salt of o-nitrophenol-4-arsonic acid. V.S.Kublanovskii, A.I.Pozigun. Nauch.ezhegod.Khim fak.Od.un. no.2. 54-56 '61.

THALLIUM ISOTOPES

Alpha-ray reduced widths in Bi^{210} and the spectrum of levels in Tl^{206}. K.B.Baktybaev, G.M.Bukat Izv.AN SSSR.Ser.fiz. 28 no.7;1229-1233 Jl '64.

THALLIUM SELENIDE CRYSTALS—ELECTRIC PROPERTIES

Electrophysical properties of TlSe single crystals. G.D.Guseinov. Izv.AN SSSR.Ser.fiz. 28 no.8;1323-1327 Ag '64.

THAWING

Accuracy of the calculation of the intensity of snow thawing P V Efremov, G S Shelepova Trudy TSIP no.[illegible] 77-84 '64

THEATER

(see also subdivision under Azerbaijan; Barnaul, Belgorod; Buryat A.S.S.R., Latvia, Leningrad; Michurinsk, Moscow, Novgorod-Severskiy, Ukraine, Novosibirsk; Prague; Sverdlovsk; Taganrog; Ukraine, Yugoslavia)

Art educates. B.Smirnov. Sov.profsoiuzy 20 no.15 [illegible]-36 Ag '64

Civic mission of the Soviet artist. N.Cherkasov Teatr 24 no.8·10-12 Ag '63.

The contemporary on the stage and in a book. [illegible] Poliakova Teatr 24 no.12·82-84 D '63

Drama criticism and anticommunism. V.Klivov Teatr 24 no 8·119-124 Ag '63

The funny and the sad. I.Il'inskii. Teatr 24 no.12·[illegible] D '63

In a small city. B.Evseev. Teatr 24 no.12·127-128 D '63.

Meeting the standards of the new tasks. Teatr 24 no.8·3-9 Ag '63.

Photo novella of an author. Maks Polianovskii Teatr 24 no 8·91-94 Ag '63

With love of the theater. A.Zis'. Teatr 24 no.12·[illegible]-86 D '63.

THEATER—CONGRESSES

At the Tenth Congress of the International Theatrical Institute. Teatr 24 no.12·133 D '63.

Dialogue on the theater or a conference which could have been. Teatr 24 no 12·57-68 D '63

THEATER—DICTIONARIES

[Theatrical encyclopedia] Teatral'naia entsiklopediia. Glav. red. P.A.Markov, chleny red. kollegii: G.N. Boiadzhiev i dr. Moskva, "Sovetskaia Entsiklopediia," (Entsiklopedii, slovari, spravochniki)

Vol. 3. Kelcher—Nezhdanova. 1964. 1086 columns.

THEATER—PERIODICALS

Meeting with readers. Teatr 24 no.12·100-107 D '63

THEATER—PRODUCTION AND DIRECTION

(see also subdivision under Ukraine)

The profession is an art. M.Turovskaia. Nov.mir 39 no.12.246-248 D '63.

THEATER, OPEN-AIR

Theater without walls. V.Balashov. Teatr 24 no 8·89 Ag '63

THEATERS see subdivision under Ivanovo

THEATERS—STAGE SETTING AND SCENERY

Technical creativeness. Teatr 24 no.12:98-101 D '63.

THEILERIASIS see subdivision under Azerbaijan

THEODOLITES

Economic efficiency of the small optical theodolite ([illegible]) in comparison with the TT-50 theodolite. G.M.Malyshev, A.T.Cherkoz'ianov. Izv.vys.ucheb.zav., les zhur. 6 no.3·89-91 '63.

Measuring angles with single-vernier theodolites A.[illegible] Fedorovskii. Sbor.nauch.trud.KGRI no.10;117-[illegible] '61.

THEOLOGICAL SEMINARIES see subdivision under Moscow; Odessa

THEORY OF ERRORS see Errors, Theory of

THEORY OF GROUPS see Groups, Theory of

THERAPEUTICS

Inflammation of the thoracic sympathetic trunk and its treatment. N.I.Strelkova. Zhur.nevr.i psikh. 63 no.9;1333-1338 '63.

THERMAL ANALYSIS

Physicochemical analysis of systems Ge (Si) - A^{III} - B^{V}. V.M.Glazov and others. Trudy Inst.met. no.14;108-119 '63.

Thermodynamic analysis of the solubility of certain selenides and tellurides in a solution of ferric solutions R G.Azerbaeva, A L.TSeft Trudy Inst.met.i obog. AN Kazakh SSR 8.50-56 '63.

THERMAL DIFFUSIVITY

Measuring the thermal diffusivity of metals at high temperatures. Part 1. Theory of the method of variable heating in a high-frequency furnace. L.P.Filippov, L.A.Pigal'skaia. Teplofiz.vys.temp. 2 no.3·384-391 My-Je '64

Thermal diffusion in diluted polymer solutions. T N. Khazanovich. Dokl.AN SSSR 157 no 1;165-167 Jl '64

THERMAL STRESSES

Exact statement of a problem in thermoelasticity. V.I. Danilovskaia. Inzh.zhur. 4 no.2:290-296 '64.

Fatigue and static strength calculation for nonstationary conditions at high temperatures S.V Serensen Vest mashinostr. 44 no 6:35-37 Je '64

Thermoelasticity of a plane-parallel layer. S.M.Kotliar. Inzh.zhur. 4 no.2:297-301 '64.

THERMIONIC EMISSION

Hollow cathodes with various active coatings. E.M. Dubinina and others. Izv.AN SSSR.Ser.fiz. 28 no.8:1332-1336 Ag '64.

Increased cathode emission in crossed fields. M.M. Butusov and others. Izv.AN SSSR.Ser.fiz. 28 no.8: 1340-1345 Ag '64.

Mechanism underlying the effect of gases on the thermionic emission from metals. L.P.Rekova, S.S Strel'chenko, IA.M.Fogel'. Izv.AN SSSR.Ser.fiz. 28 no.8:1377-1381 Ag '64.

Vaporization of barium oxide from tungsten and molybdenum backings A.R.Shul'man and others. Izv.AN SSSR.Ser.fiz. 28 no.8:1346-1353 Ag '64.

THERMISTORS

Precision of differential measuring circuits with semiconductor thermistors. M.A.Kaganov. Izm.tekh. no.3:33-36 Mr '64

THERMOCOUPLES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices for picking-up pressures, rarefactions, temperatures and gas tests; installation, units and parts, design and dimensions] Ustroistva dlia otbora davlenii, razrezhenii, temperatury i prob na gaz; sposoby ustanovki, uzly i detali, konstruktsiia i razmery (MN 4826-63—MN 4887-63). Moskva, Izd-vo standartov. (SSSR. Normali mashinostroeniia)

Pt.1. [For nonaggressive media] Dlia neagressivnykh sred. 1964. 156 p.

THERMODYNAMICS

Bolgarskii, A.V., G.A.Mukhachev, and V.K.Shchukin. [Thermodynamics and heat transfer] Termodinamika i teploperedacha. Moskva, Vysshaia shkola, 1964. 457 p.

Litvin, A.M. [Theoretical principles of heat engineering; engineering thermodynamics and the theory of heat transfer] Teoreticheskie osnovy teplotekhniki; tekhnicheskaia termodinamika i teoriia teploperedachi. Izd.5., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 367 p.

Pressure dependence of the ultimate superheating of liquids [with summary in English]. V.P.Skripov, G.V.Ermakov. Zhur.fiz.khim. 38 no.2:396-404 F '64.

Role of kinetic factors in the reactions of hydrothermal metamorphosis of the rocks under near-surface conditions. V.L.Rusinov. Dokl.AN SSSR 157 no.4: 800-803 Ag '64.

Study of the binary systems: water - tri-n-butylphosphate and water - di-n-butylphosphoric acid. V A.Mikhailov, S.K.Kharchenko, A.G.Nazin. Izv.Sib.otd.AN SSSR no.7:50-58 '62.

A superheated liquid near the limit of its stability. V.P.Skripov. Ukr.fiz.zhur. 9 no.4:393-400 Ap '64.

Theoretical basis of the Lagemann rule provided by a simple method. N.F.Otpushchennikov. Izv.vys.ucheb. zav.; fiz. no.4:101-102 '64.

Thermodynamics of phase transitions of the second order in binary solutions. A.N.Kirgintsev. Izv.Sib.otd. AN SSSR no.7:42-49 '62.

Three-dimensional flow past blunt bodies with allowance for equilibrium physicochemical reactions. IU.N. D'iakonov. Dokl.AN SSSR 157 no.4:822-825 Ag '64.

THERMODYNAMICS—BOUNDARY VALUE PROBLEMS

Biot's variational method in heat transfer problems with variable boundary conditions. G.F Muchnik, IU.A. Polinkov. Teplofiz.vys.temp 2 no.3.424-428 My-Je '64.

THERMOELECTRICITY

Distribution of the thermal EMF over a copper oxide surface as related to its catalytic activity. V.A.Zhuravlev, L.G.Kolosova. Kin.i kat. 5 no.2:293-298 Mr-Ap '64.

THERMOMAGNETISM

Quanta oscillations of thermomagnetic coefficients. V.P. Kalashnikov. Fiz met.i metalloved. 17 no.5 651-654 My '64.

Quantum theory of thermomagnetic phenomena in semiconductors and metals. P.S.Zyrianov, V.P.Silin. Fiz.met.i metalloved. 17 no.6:934-935 Je '64.

Saturation magnetization and the Curie points in ordered alloys of the system cobalt-platinum. IU.A.Gratsianov, A.G.Rabin'kin. Fiz.met.i metalloved. 17 no.6:938-940 Je '64.

THERMOMETERS

Thermograph with a contact temperature-sensitive element for investigating wells. G.F.Trebin, IU.V Kapyrin, V.N.Vasil'ev. Nefteprom.delo no.7:33-36 '64.

Thermometer for measuring the extreme and standard temperatures in the depth of a tillering node. L.A. Shestopalov, S.F.Antipov. Meteor.i gidrol. no.8: 44-46 Ag '64.

THERMOMETRY

Effect of speed fluctuations on the accuracy of measuring the temperature of a nonisothermal turbulent flow IU.L.Rozenshtok. PMTF no.2:149-151 Mr-Ap '64.

Use of the MGP-3 manometer for temperature measurement in flowing wells. I.M.Matveev. Nefteprom.delo no.4:27-29 '63.

THERMOPLASTICS

New material for floors made from industrial wastes. A.N.Minin, L.T.Kat'ko. Stroi.mat. 9 no.6:16-18 Je '63.

THERMOPLASTICS—MOLDING

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Molds for die-casting of thermoplastics] Formy dlia lit'ia pod davleniem termoplastov (MN 5155-63—MN 5180-63). Moskva, Izd-vo standartov, 1964. 136 p. (SSSR. Normali mashinostroeniia)

THERMOSTAT

DT-1 and DT-2 thermostats. G F Melanifidi Mash.i neft.obor no 6:33-34 '63.

THEVETIN

Pharmacology of the glycosides of Thevetia peruviana. IA.A.Aleshinka, V.V.Berezhinskaia. Farm.i toks. 25 no.6:720-725 N-D '62.

THIAZINE

Pattern of growth and properties of liquid crystals of thiazine dyes. N.M.Melankholin. Rost krist. 4:61-67 '64.

THIAZOLIDINONE

Synthesis of 4-thiazolidone derivatives containing residues of diphenylacetic acid IU M Pashkevych Farmatsev zhur 16 no 1 8-12 '61

THIAZOLOPYRIDINE

Pyridylthiazolylmethane series. Part 4: Nature and properties of pyridylthiazolylcarbonol radicals. V.G. Ermolaeva, M.N.Shchukina. Zhur.ob.khim. 34 no.7:2404-2407 Jl '64.

THICKNESS MEASUREMENT

Determining the thickness of thin films. IA.M. Pogosian, K.A.Eglian, A.O.Solakhian. Izv.AN Arm.SSR.Ser.fiz.-mat.nauk 16 no.6:131-136 '63.

THIOCYANATES

Detection of cobalt (II) in the presence of iron (III). B.Kh.Katsman Nauch.ezhegod Khim.fak Od un no.2:82-83 '61.

Surface compounds of iron thiocyanate on ion exchangers A.A Morozov, A.I.Gavril'chenko, V.S.Semchishin Nauch.ezhegod Khim.fak.Od.un. no.2.78-82 '61.

Synthesis of $Na_2 [Th(NCS)_5OH(H_2O)_{(2-3)}]$. A.K.Molodkin, G.A.Skotnikova. Zhur.neorg.khim. 9 no.6: 1493-1494 Je '64.

THIOLS

Addition of mercaptans to N-vinyl and N-allylthiolactams. A.A.Avetisian, F.P.Sidel'kovskaia, R.M.Ispirian. Izv.AN SSSR.Ser.khim. no.7.1303-1308 Jl '64.

2,3-Dimercaptopropylamine and its derivatives. Part 2: Synthesis of N-N-dialkyl-2,3-di(alkylthio)propylamines. A.G.Tarasenko, V.M.Fedoseev, A.B.Silaev. Zhur. ob.khim. 34 no.7:2366-2369 Jl '64.

Gorodetskii, A.A., and others. [Radiation-protective properties of arylamides and arylhydrazides of thiocarboxylic acids] Protivoluchevye svoistva arilamidov i arilgidrazidov tiokarbonovykh kislot. Kiev, "Naukova dumka," 1964. 110 p.

THIOPENTAL—PHYSIOLOGICAL EFFECT

Reactivity of the animal body to narcotics following a prolonged effect of lateral acceleration. V.E.Belai, P.V.Vasil'ev, S.P.Kolchin. Farm.i toks. 26 no.5: 559-563 S-O '63.

THIOPENTAL—TOXICOLOGY

Functional elimination and toxicity of barbamyl and pentothal sodium in hypothermia. O.L.Rajavee, L.B Nurmand. Farm.i toks. 26 no.5:556-559 S-O '63.

THIOPHENE—SPECTRA

Correlations in the spectra of furan, thiophene, and selenophene derivatives [with summary in English]. E.G.Treshchova, D.Ekkhardt, IU.K.IUr'ev. Zhur. fiz.khim. 38 no.2:295-303 F '64.

THORACIC DUCT—LIGATURE

Ligature of the thoracic lymphatic duct in surgery on the esophagus. A.S.Lur'e. Grud.khir. 5 no.5:74-76 S-O '63.

THOREZ, MAURICE, 1900-1964

In memory of Maurice Thorez. Nov.vrem 21 no.29: 18-19 Jl '64.

THORIUM—ANALYSIS

Thorium determination in the total of lanthanide oxides (polirit) by the method of complex-forming chromatography. D.I.Riabchikov, M.P.Volynets. Zhur.anal khim 19 no.5 642-643 '64

Use of salicylic acid in the purification and separation of thorium A V Nikolaev, Z G Rumiantseva B V Levin Izv Sib otd AN SSSR no 9 39-45 '62

THORIUM—TOXICOLOGY

[Materials on the toxicology of radioactive substances] Materialy po toksikologii radioaktivnykh veshchestv. Pod red. A.A.Letaveta i E.B.Kurliandskoi Moskva, Meditsina.

No.4. [Thorium-232, Uranium-238] Torii-232, Uran-238. 1964. 116 p.

THORIUM COMPOUNDS

Synthesis of $Na_2 [Th(NCS)_5OH(H_2O)_{(2-3)}]$. A.K.Molodkin, G.A.Skotnikova. Zhur.neorg khim. 9 no.6: 1493-1494 Je '64.

THORIUM OXIDE CRYSTALS

Decomposition of thorium oxide crystals during observation on an electron microscope. V K Pirogov Izv SO AN SSSR no 2 Ser.tekh nauk no.1 130-131 '64

THOUGHT AND THINKING

Czechoslovak works of recent years on problems of communicative functions of the sentence. O.A. Lapteva. Vop iaz. 12 no.4.120-127 Jl-Ag '63

External and internal linguistic factors in the function and development of language. O.S.Akhmanova, V.Z. Panfilov. Vop.iaz. 12 no.4 45-57 Jl-Ag '63.

THROMBIN

Inhibition phenomenon and fibrin formation. A.A.Siurin. Vop.med.khim. 9 no.2:167-172 Mr-Ap '63.

Intravascular thrombogenesis in intravenous administration of thromboplastin and thrombin. V P.Baluda, I A. Mukhamedzhanov. Pat.fiziol.i eksp.terap. 6 no.4 45-50 Jl-Ag '62.

THROMBOPHLEBITIS

Homeostatic character of the changes in hemostasis in thrombophlebitis M.G.Gachechiladze and others Trudy Inst.eksp i klin khir.i gemat AN Gruz.SSR 11 233-240 '63.

THROMBOPLASTIC SUBSTANCES

Intravascular thrombogenesis in intravenous administration of thromboplastin and thrombin V.P Baluda, I.A. Mukhamedzhanov. Pat.fiziol.i eksp.terap. 6 no.4 45-50 Jl-Ag '62.

THROMBOSIS

Godichnaia nauchnaia sessiia instituta terapii AMN SSSR 14th, 1963. [Atherosclerosis and thrombosis, transactions] Ateroskleroz i tromboz; trudy. Pod red A.L. Miasnikova. Moskva, Meditsina, 1964. 211 p.

Thrombosis of the superior vena cava in constrictive pericarditis. A.T.Grebennikova. Grud.khir. 5 no.5:94-97 S-O '63.

THUJANONE

Study of substances entering the composition of essential oils; correlation between stereoisomeric thujones in essential oils of wormwood. M.I.Goriaev, Zh.K. Gimmaddinov. Dokl.AN SSSR 156 no.6:1459-1460 Je '64.

THUJENE

Acid isomerization of sabinene. M.I.Goriaev, V.I. Shabalina, A.D.Dembitskii. Dokl.AN SSSR 158 no.1: 155-156 S-O '64.

THUNDERSTORMS

(see also subdivision under Daghestan; Leningrad Province)

Destroyer of rain clouds IU Medvedev. Izobr i rats no.5 18-19 '64

Relation between the frequency of thunderstorms and that of atmospheric disturbances causing field intensities above a given level. K.N.Barkalova Trudy GGO no.157 85-86 '64.

Relation between the unitary vertical conduction current and the distribution of thunderstorms over the globe. N.A.Paramonov. Trudy GGO no.157 31-38 '64

Semiconductor brontographs. P.S.Lydzar. Trudy GGO no.157.54-58 '64.

Some results of testing short-range brontographs. K.A Semenov. Trudy GGO no.157.59-67 '64.

THURINGIA—OIL FIELD FLOODING

Exploitation of wells in fractured reservoirs. Nefteprom. delo no.4.39-40 '63.

THYROID GLAND

Changes of the thyroid gland and effect of thyroidin on the survival of rats of various ages exposed to total X-irradiation. E.A.Loskutova. Pat.fiziol.i eksp. terap. 6 no.4.54-56 Jl-Ag '62.

Effect of cobalt on the thyroid gland state caused by low-protein diet against a background of iodine supply. A.I.Shtenberg, IA.Kusevitskii, E.E Abolyn'. Vop.pit. 22 no.3:41-47 My-Je '63.

THYROID GLAND (Continued)

Effect of 6-methylthiouracil on the thyroid gland and conditioned reflexes in dogs. M. I Rozin Vestsi AN BSSR. Ser. biial nav no. 4;100-106 '63.

Effect of thyroid hormones on the growth of Mycobacterium tuberculosis S H Laanes, H A Sillastu Lab delo no 7 395-396 '64

Evaluation of the functional state of the thyroid gland of swine after local irradiation with X-rays P. M. Kulabko. Fiziol. zhur [Ukr.] 9 no 6 826-828 N-D '63

Functional state of the thyroid gland and the blood in patients with peptic ulcers. I T. Kaliuzhnyi Sov. zdrav. Kir. no. 6 19-23 N-D '63

Meat quality of swine and the morphology of the thyroid gland. E V. Koriazhnov. Trudy VIZH 25;60-62 '63

THYROID GLAND—CANCER

Cancer of the thyroid gland in children S B Pinskii, A. P. Kalinin. Vop. onk. 10 no. 3 72-77 '64.

THYROID GLAND—DISEASES

Changes in the blood picture in thyrotoxicosis treated with radioactive iodine. E. M. Semenskaia, N V. Dzhibladze, N. A. TSintsadze. Trudy Inst. eksp. i klin. khir i gemat. AN Gruz SSR 11·87-90 '63

Determination of protein-bound iodine in thyrotoxicosis treated with radioactive iodine. V N Slavnov, T P. Sivachenko. Med. rad. 8 no. 12,21-25 D '63

Five years' experience in the use of radioactive iodine in treating thyrotoxicosis. K. D Eristavi, T. O. Zhvaniia. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz SSR 11·81-86 '63.

Role of the psychogenic factor in the development of hypothyroidism. A. I. Belkin, L. D. Sachkova. Trudy Gos. nauch.-issl. inst. psikh. 40;304-309 '63.

Saliva-iodine-thyroid test in the diagnosis of the functional state of the thyroid gland L. A. IUdin Med. rad. 8 no. 12;16-21 D '63.

Some indices of the blood system during treatment of thyrotoxicosis with J^{131}. V. M Udod. Med. rad. 8 no. 12;13-16 D '63.

Study of the functional state of the thyroid gland using radioactive tracers. K. L. Giorgadze, V. K. Modestov, A. Kh. Mirkhodzhaev. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11;91-94 '63.

Treatment of thyrotoxicosis with radioactive iodine. A. M. Bykhovskaia, L. I. Tolstoukhova Med. rad. 8 no. 12;9-13 D '63.

Treatment of thyrotoxicosis with radioactive iodine. G. A. Kazarian. Zhur. eksp i klin. med 4 no. 2;39-45 '64.

THYROID GLAND—SURGERY

Characteristics of the clinical aspects and course of schizophrenia following a subtotal resection of the thyroid gland. A. I. Belkin. Trudy Gos. nauch-issl. inst. psikh. 40;157-161 '63.

Functional indices of the thyroid gland in the immediate and late postoperative periods. Z. M. Mamedov, M M. Bakhrami. Azerb. med. zhur. no. 6;13-19 Je '62.

THYROID GLAND—TUMORS

Aberrant goiters simulating tumorous diseases. M. Kh. Airapetian. Vop. rent. i onk. 7;321-325 '63.

Clinical aspects and diagnosis of struma nodosa subjected to malignization. G. A. Kazarian and others. Vop. rent. i onk. 7,311-319 '63.

THYROIDIN

Changes of the thyroid gland and effect of thyroidin on the survival of rats of various ages exposed to total X-irradiation. E. A. Loskutova. Pat. fiziol. i eksp. terap. 6 no. 4,54-56 Jl-Ag '62

Effect of thyroidin on the distribution of 4-C^{14}-cholesterol in experimental atherosclerosis. L. A. Miasnikov, V. F. Zaitsev. Kardiologiia 2 no. 6;31-37 N-D '62.

THYROTROPIN

Relation of the thyrotrophic function of the hypophysis to the neurosecretion in pigeons. A. A. Voitkevich. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10;82-85 O '63.

TIBIA—CANCER

Neoplastic nature of osteoblastoclastoma. K. V. Daniel'-Bek, A. V. Talalaeva. Arkh. pat. 26 no. 2;74-78 '64.

TBILISI see Tiflis

TICKS

(see also subdivision under Armenia; Repetek Desert Preserve)

Effect of Argasidae and Ixodidae tick bites on the blood of rabbits. A. A. Pchelkina. Med. paraz. i paraz. bol. 32 no. 4;473-475 Jl-Ag '63.

TICKS—DISEASES AND PESTS

Fungi found on ticks. N. P. Cherepanova Bot. zhur. 49 no. 5.696-699 My '64

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Kirghizistan)

Biology of the pigeon tick Alectorobius (Alectorobius) coniceps (Can.), 1890. M. V. Pospelova-Shtrom, L. L. Marfina. Med. paraz. i paraz. bol. 32 no. 4;468-473 Jl-Ag '63.

Use of a granulated type DDT preparation in the control of the vectors of tick-borne encephalitis. V A Nabokov, A. I Sadovnikov, I V. Uspenskii. Med. paraz. i paraz bol. 32 no. 4 476-480 Jl-Ag '63

TIDAL WAVES—BIBLIOGRAPHY see Bibliography—Tidal waves

TIDES

Useful handbook for oceanographers and navigators. B. Kh. Rybak. Meteor. i gidrol. no. 8:50-51 Ag '64.

TIDES—MAPS

Calculation and mapping of the magnitudes of tide-forming forces. V. B. Rzhonsnitskii, O. M. Liamzin. Vest LGU 19 no. 12:81-94 '64.

TIEN SHAN—DESCRIPTION AND TRAVEL

Promptov, IU. G. [Through the central Tien Shan] Po TSentral'nomu Tian'-Shaniu. Frunze, Kirgizskoe gos. izd-vo, 1960. 60 p.

TIEN SHAN—FOREST ECOLOGY

Characteristics of the distribution of vegetation and soils in the parkish spruce forests of the Tien Shan. L M Sobolev. Biul. MOIP. Otd biol. 68 no. 3 82-97 My-Je '63.

TIEN SHAN—GEOLOGY, STRUCTURAL

Akademiia nauk Kirgizskoi SSR, Frunze. Institut geologii. [Tectonics of the western regions of the northern Tien Shan] Tektonika zapadnykh raionov Severnogo Tian'-Shania. Frunze, "Ilim," 1964. 143 p.

TIEN SHAN—ORE DEPOSITS

Akademiia nauk Kirgizskoi SSR, Frunze. Institut geologii. [Materials on the geology of ore deposits in the Tien Shan] Materialy po geologii rudnykh mestorozhdenii Tian'-Shania. Frunze, Izd-vo "Ilim," 1964. 140 p.

TIEN SHAN—SPRUCE

Characteristics of the distribution of vegetation and soils in the parkish spruce forests of the Tien Shan. L. M Sobolev. Biul MOIP. Otd biol. 68 no 3·82-97 My-Je '63

TIEN SHAN—VULTURES

Some characteristics of the ecology of the bearded vulture (Gypaetus barbatus L.). L S Stepanian Nauch. dokl. vys. shkoly, biol. nauki no 3:30-34 '64

TIFLIS—ELECTRIC POWER PLANTS

Research diary. M. Skuratov. NTO 5 no. 12;40-42 D '63.

TIKHVIN REGION (LENINGRAD PROVINCE)—STRIP MINING

Estimation of the stability of strip mine slopes in the mining of Tikhvin bauxite deposits. V. N. Novozhilov. Zap. LGI 48 no. 1;101-111 '63.

TILES see subdivision under Azerbaijan

TILLAGE see subdivision under Baraba Steppe; Kostroma Province; Kulunda Steppe

TILLAGE—EQUIPMENT AND SUPPLIES

(see also subdivision under Baraba Steppe)

Theoretical substantiation of the value $\lambda = \frac{V\ \text{peripheral}}{V\ \text{progressive}}$ and the high-speed rototilling of mineral soils B D Dokin. Nauch trudy SibVIM no 1 140-146 '63

TILLO, ALEKSEI ANDREEVICH, 1839-1899

Aleksei Andreevich Tillo; 125th anniversary of his birth. A. Kh. Khrgian. Meteor. i gidrol. no. 8;47 Ag '64.

TIMBERLINE

Methods for determining the age of trees growing at the timberline. S. G. Shiiatov. Izv. vys. ucheb. zav., les. zhur. 6 no. 3;166-167 '63.

TIMIRIAZEV, KLIMENT ARKAD'EVICH, 1843-1920

From K. A. Timiriazev's address delivered at the commencement exercises of the Petrovskaia Agricultural and Forestry Academy, November 21, 1878. Izv. TSKHA no. 6;25-28 '63.

Kliment Arkad'evich Timiriazev in the Petrovskaia Academy (1870-1892). V. G. Khrzhanovskii. Izv. TSKHA no. 6;12-24 '63.

Lozhechko, A. B. Kliment Timiriazev. Moskva, Politizdat, 1964. 70 p. (Geroi i podvigi)

Timiriazev and science. D. N. Prianishnikov. Izv. TSKHA no. 6;3-11 '63.

TIMOTHY GRASS

Chlorophyll content of timothy grass at different ages. A. R. Chepikova. Biul. MOIP. Otd. biol. 68 no. 3;131-133 My-Je '63.

TIN

Tribenzylamine as an inhibitor of tin ionization and Sn^{2+} discharge on an amalgam electrode. M. G. Efremova, M. A. Loshkarev. Trudy DKHTI no. 16;99-112 '62.

TIN—TOXICOLOGY

Toxicology of organic tin compounds, review of the literature A M. Ivanitskii Farm. i toks 26 no. 5 629-632 S-O '63.

TIN ISOTOPES

Multipole order of γ-transitions in Sn^{116} accompanying the β-decay of 54 min In^{116m} S V. Starodubtsev, R. B Begzhanov, S L. Rakovitskii. Izv AN Uz SSR Ser. fiz.-mat nauk 7 no 5;40-44 '63.

TIN ISOTOPES—DECAY

Lifetime of the 1 29 Mev. level in Sn^{116}. R. F Begzhanov and others Izv AN Uz. SSR. Ser fiz-mat. nauk 7 no. 5;45-50 '63.

TIN-LEAD ALLOYS see Lead-tin alloys

TIN ORGANIC COMPOUNDS

Mossbauer effect in unsymmetrical organotin compounds with electron-donor substituents. A IU. Aleksandrov and others. Dokl. AN SSSR 157 no 4;934-937 Ag '64.

TIN PLATING

Egorova, N. P. [Tin plating; a lecture in the "Galvanizing" course for students in courses 3 to 5 of the technological department of the correspondence and non-correspondence section] Luzhenie; lektsiia po kursu "Gal'vanotekhnika" dlia studentov 3-5 kursov tekhnologicheskogo fakul'teta ochnogo i zaochnogo otdelenii. Moskva, Mosk. poligraficheskii in-t, 1962. 8 p. [MICROFILM]

Technical progress in the production of tinned sheet steel in the U. S. S. R. and its reflection in the consumption of basic materials. N F. Sklokin, T. A. Vishnevskaia. Stal' 23 no. 4·367-370 Ap '64

TINTICITE—ANALYSIS see subdivision under Kyzyl Kum

TIRES, RUBBER

(see also subdivision under Moscow)

Industry-wide conference on the manufacture of "R" and "RS" type tires. G N Khanina Kauch i rez 23 no. 7:54-56 Jl '64

TISSUE CULTURE

Change in the antigen properties of human embryonal tissue during prolonged cultivation. A. M. Eroshkina, V N Kolmykova. Vop. onk. 10 no. 3;27-33 '64.

Cultivation of human bone marrow in vitro and its autoradiography S. V Kanaev, A V Kuleshov. Lab delo no 7,430-434 '64

Effect of acridine orange on the incorporation of S^{35} methionine in the cells of tissue cultures. A. V. Zelenin, E. A. Liapunova. Dokl. AN SSSR 158 no. 1: 221-224 S-O '64.

Effect of human papilloma virus extracts on rabbit endothelial explants. M. P. Ptokhov. Vop. onk. 9 no. 8: 34-41 '63.

TISSUE EXTRACTS

Blastomogenic action of human sarcoma tissue extracts on rats. A. I. Ageenko. Vop. onk. 9 no. 6;42-51 '63.

Stimulation of the regeneration process in mammalian extremities by the action of tissue extract V P. Kudokotsev Nauch. dokl. vys shkoly; biol nauki no 3: 40-43 '64.

TISSUE EXTRACTS, EFFECT OF RADIATION ON

Effect of ionizing radiation on the stimulating properties of tissue extracts. G. D. Tumanishvili, V. P. Mandzhgaladze, Kh. N. Dzhaneliidze. Soob. AN Gruz. SSR 33 no. 3;549-556 Mr '64.

TISSUE METABOLISM

Effect of camphor on the respiration of brain tissue. A. S. Saratikov, G. E. Barkovskaia. Farm. i toks. 26 no. 2;189-192 Mr-Ap '63.

Effect of mercury-free diuretics on tissue respiration in vitro and oxidative phosphorylation of isolated liver mitochondria. E. Geres. Farm. i toks. 26 no. 2: 192-197 Mr-Ap '63.

Effect of olitoriside and digilamide C on coronary circulation and myocardial oxygen requirement. G. N. Lakoza. Farm. i toks. 26 no. 5;589-594 S-O '63.

Intensity of tissue respiration in some organs in experimental hypercholesteremia and atherosclerosis. L. B. Malysheva. Vop. med. khim. 9 no. 2;142-146 Mr-Ap '63.

Neurosomatic unity in cliniconeurological light. G. D. Leshchenko. Trudy Gos. nauch.-issl. psikhonevr. inst. 29;61-73 '63.

Reser [illegible] anir [illegible] de in the [illegible] raz. bol. 32

TITANIUM

Effect of titanium on the properties and weldability of chromium-manganese cavitation-resistant steel. M. I. Razikov, S. L. Milichenko. Avtom. svar. 17 no. 7 11-19 Jl '64.

Sorption of titanium (IV) on the KU-1 cation exchanger. A. I. Zhukov, A. S. Nazarov. Zhur. neorg. khim. 9 no. 6;1465-1471 Je '64.

TITANIUM—ANALYSIS

Photometric determination of titanium in the presence of beryllium with 2,7-dichlorochromotropic acid N.N.Basargin, T.N.Kukisheva, N.V.Solov'eva. Zhur anal.khim. 19 no.5,553-555 '64.

TITANIUM—CORROSION

Anodic reprotection of titanium in hydrochloric acid. M.N.Fokin, R.L.Baru. Dokl.AN SSSR 157 no 4:954-956 Ag '64.

TITANIUM—ELECTROMETALLURGY

Decomposition potential of the system K_2TiF_6 - NaCl - TiO_2. Report No.1 N A Baltenev, V D Ponomarev Trudy Inst met i obog.AN Kazakh SSR 8 97-101 '63

TITANIUM—METALLURGY

Investigating the effect of oxygen formed during the reduction of TiO_2 on the oxidation of titanium V, A. Dorin, F, M, Tarinkovskaia. Fiz, met i metalloved, 17 no. 4:536-540 Ap '64

TITANIUM—WELDING

Investigating diffusion processes in brazing titanium with a rhenium coating. V.V.Bondarev, A.IA.Shininev, Trudy Inst.met. no.14:86-90 '63.

Investigating the double arc welding under flux of thick titanium. S.D Zagrebniuk. Avtom,svar. 17 no.7:41-49 Jl '64.

TITANIUM ALLOYS

Resistance to deformation during the rolling of titanium alloys N.P Skriabin, V S Baakashvili, V D.Korshikov Trudy GPI [Gruz.] no 4 123-133 '62

Shifrin, A.Sh., and L.M.Reznitskii, [Cutting corrosion- and heat-resistant steels and alloys and titanium alloys] Obrabotka rezaniem korrozionnostoikikh, zharoprochnykh i titanovykh stalei i splavov. Pod red, L.M.Reznitskogo. Moskva, Izd-vo "Mashinostroenie," 1964. 446 p.

TITANIUM ALLOYS—ANALYSIS

Fluidity of binary titanium alloys with tin, aluminum, and molybdenum. V.P.Eliutin, M.A.Maurakh, V.S.Pugin. Izv.vys.ucheb.zav.; chern.met. 7 no.7:159-161 '64.

TITANIUM ALLOYS—ELECTRIC PROPERTIES

Effect of alloying on the electric resistivity of titanium. R A. Ul'ianov, S.F.Kovtun Fiz met.i metalloved 17 no.4:506-511 Ap '64.

TITANIUM CHLORIDES

Intermolecular reaction between $POCl_3$ and $TiCl_4$. D.I.TSekhovol'skaia. Zhur.neorg.khim. 9 no.6:1367-1302 Je '64.

TITANIUM-CHROMIUM ALLOYS—METALLOGRAPHY

X-ray investigation of the electron structure of alloys in the system titanium-chromium. N.D.Borisov, V.V.Nemoshkalenko. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.16:202-206 '61.

TITANIUM-IRON ALLOYS—METALLOGRAPHY

Critical points of titanium-iron alloys during rapid heating. V.N.Gridnev, IU.IA.Meshkov, N.F.Chernenko. Sbor.nauch.rab.Inst.metallofiz.AN URSR no.16:100-108 '61.

TITANIUM-NIOBIUM ALLOYS—ELASTIC PROPERTIES

Elastic constants of alloys in the system titanium - niobium. S G Fedotov, O.K Belousov. Fiz.met i metalloved. 17 no 5:732-736 My '64.

TITANIUM ORGANIC COMPOUNDS

Poly-bis-(8-hydroxyquinoline)-titanomethylphenylsiloxanes. K.A.Andrianov and others. Soob.AN Gruz. SSR 33 no.3:557-564 Mr '64.

TITANIUM OXIDES

Determination of silicon and phosphorus compounds in viscose titanium dioxide. A.V.Zholnin, V.A.Malevannyi. Khim.volok. no.3:61-62 '64.

TITANIUM SALTS, EFFECT OF RADIATION ON

Mechanism of radiolysis in titanium salt solutions. V.G.Firsov, B.V.Ershler. Zhur.fiz.khim. 36 no.3:661-662 Mr '62.

TITANIUM-TIN-ALUMINUM ALLOYS—THERMAL PROPERTIES

Thermophysical properties of titanium and the heat conductivity of its alloys with tin and aluminum R.E.Krzhizhanovskii Teplofiz.vys.temp. 2 no.3:392-396 My-Je '64.

TITANIUM-ZIRCONIUM ALLOYS—HARDENING

Investigating creep in the β-modification of alloys in the system titanium - zirconium by the torsion method. K.A.Osipov, A.L.Solnishchenko. Izv.AN SSSR.Met.i gor.delo no.2:161-163 Mr-Ap '64.

TITRATION

Using vanadometry to determine organic pharmaceutical preparations. Report No.2. Z.I.IEr'omina, V H. Hurevych. Farmatsev.zhur. 16 no 1.13-18 '61.

Volumetric method for determining the microgram quantities of chromium. T.S Zhigalkina, R.S Lev, A.I Cherkesov Trudy Astr tekh.inst.ryb prom i khoz no 8 123-129 '62

TKACHENKO, NINEL'

Vocal evenings. A.Orfenov Sov.muz. 28 no.2:100 F '64

TOBACCO—FERTILIZERS AND MANURES

Content of various forms of nitrogen and water-soluble carbohydrates in tobacco leaves topdressed with lithium L.A.Ezdakova, N.K.Osmolovskaia. Nauch.dokl.vys.shkoly; biol.nauki no.3,135-137 '64.

TOBACCO MOSAIC VIRUS

Inhibition of the reproduction of tobacco mosaic virus by the products of the enzymatic digestion of nucleic acids of different origin G S.Nikiforova Dokl AN SSSR 157 no.4,989-991 Ag '64

TOBOL'SK REGION (TYUMEN PROVINCE)—GEOLOGY, STRATIGRAPHIC

Possibility of the separation of Taz layers in a cross section of the periglacial sediments in the Tobol'sk portion of the cis-Ural region. F A.Kaplianskaia, V D Tarnogradskii, E A Vangengeim. Biul Kom.chetv.per. no.29:189-195 '64

TODOROKITE

Todorokite from the central Kyzyl Kum Kh R Rakhmatullaev and others Uzb geol zhur 7 no 6: 96-99 '63.

TODZHA DEPRESSION—LANDFORMS

Relict landforms of the Todzha Depression S.I.Gluzdakov Izv Vses geog ob-va 96 no 3 225-226 My-Je '64.

TOGLIATTI, PALMIRO, 1893-1964

Palmiro Togliatti's remarkable life Sovremennik. Nov vrem 22 no.35:3-4 Ag '64

TOKKO VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Late Pre-Cambrian sediments in the Olekma-Tokko interfluve. V T Rabotnov. Dokl AN SSSR 156 no.6:1351-1354 Je '64.

TOLSTOI, ALEKSEI NIKOLAEVICH, 1882-1945

Peter I in the works of Lev Tolstoi and Aleksei Tolstoi. L.M.Poliak. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1:3-17 Ja-F '64

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Art of the portrait in L.N.Tolstoi's tale "Death of Ivan Il'ich." M.M.Rukavitsyn. Izv.AN SSSR.Ser.lit.i iaz. 23 no.1:44-48 Ja-F '64.

Gorki. Universitet. [L.N.Tolstoi; a collection of articles. On the 50th anniversary of his death] L.N. Tolstoi; sbornik statei. K 50-letiiu so dnia smerti. Gor'kii.

No.3. Krasnov, G.V., ed. 1960. 250 p. [MICROFILM]

On the Russian social novel (to be continued). V.Ermilov. Oktiabr' 40 no.4:195-215 Ap '64.

Peter I in the works of Lev Tolstoi and Aleksei Tolstoi. L.M.Poliak. Izv.AN SSSR.Ser.lit i iaz. 23 no.1 3-17 Ja-F '64.

Tolstoi, L.N. [Indexes for the Complete Collected Works of L.N.Tolstoi; alphabetical index of works, alphabetical index of addressees, alphabetical index of proper names, chronological index of works] Ukazateli k Polnomu sobraniiu sochinenii L.N.Tolstogo, alfavitnyi ukazatel' proizvedenii, alfavitnyi ukazatel' adresatov, alfavitnyi ukazatel' imen sobstvennykh, khronologicheskii ukazatel' proizvedenii. Moskva, Izd-vo "Khudozhestvennaia literatura," 1964. 664 p.

What is considered the "canonical" text of "War and peace?" N.Gudzii. Nov mir 39 no 4:234-246 Ap '63

TOLSTOI, LEV NIKOLAEVICH, 1828-1910—HOMES AND HAUNTS

Shcherbakov, B.V. [L.N.Tolstoi's "Yasnaya Polyana"; album of reproductions] IAsnaia Poliana L.N.Tolstogo, al'bom risunkov. Leningrad, Khudozhnik RSFSR, 1963, 35 p. illus.

TOLUBINSKII, VSEVOLOD IVANOVICH, 1904-

V.I.Tolubinskii; on his 60th birthday Izv.vys.ucheb.zav., energ. 7 no.6 123-124 Je '64.

TOLUENE

Obtaining individual vinyl toluenes. V.G.Telegin and others. Khim.i tekh.topl.i masel 9 no.4:3-7 Ap '64.

Oxidation of toluene on copper catalysts with added molybdenum and tungsten oxides. I.I.Popova, B.V.Kabakova. Kin.i kat. 5 no.2:324-329 Mr-Ap '64.

Use of petroleum toluene to obtain terephthalic acid. A Z.Bikkulov and others. Nefteper.i neftekhim. no.8: 33-35 '63

TOLUENE—ELECTRIC PROPERTIES

Dielectric characteristics of diisocyanatotoluene (102-T product). E.S.Stepanchenko, V.K.Lohvinenko Khim.prom [Ukr.] no.3:14 Jl-S '63.

TOLUENEDITHIOL

Reaction of molybdenum with toluene-3,4-dithiol. Report No.1. N.A.Agrinskaia, V.I.Petrashen'. Trudy NPI 143 35-44 '63.

TOLUENESULFONIC ACID

Application of bromophenol blue for quantitative histochemical determination of proteins. Report No.2 Cause of varied staining affinity in corn root tip cells of various ages. V.B.Ivanov. TSitologiia 5 no.4 470-473 Jl-Ag '63.

TOLUIDINE BLUE

Toluidine blue, an inhibitor of heparin, and prospects for its use in artificial blood circulation. M S Machabeli, L.G.Bezarashvili. Trudy Inst eksp i klin khir i gemat.AN Gruz SSR 11.75-79 '63

TOMATINE

Electrochemical method of isolating the glycoalkaloid tomatine from plants I P Dorosh IE [illegible] Tukalo Farmatsev zhur 16 no 1 44-47 '61

TOMATO BREEDING

Effect of environment on the heterosis manifestation in the ontogeny of tomato hybrids. S.I Narbut, V.I.Filippova. Nauch.dokl.vys.shkoly; biol.nauki no.3:177-183 '64.

TOMATOES—VARIETIES

Annual tomatoes with the tendency of ripening simultaneously. A.N Ipat'ev. Dokl.AN BSSR 7 no.12 851-854 D '63

TOMSK PROVINCE—AGRICULTURE—AUDITING AND INSPECTION

We are struggling for the title of a communist labor collective A Baturin Vest stat no 6 51-52 '64

TOMSK PROVINCE—WATER, UNDERGROUND

Underground waters of Tomsk Province V P Sipachev Mat.Kom.po izuch podzem vod Sib i Dal'.Vost no 2: 60-67 '62

TONGUE

Effect of curarelike drugs on the glossomaxillary reflex V.K.Muratov. Farm.i toks. 26 no.5 597-602 S-O '63

TONNAGE

Calculating net carrying capacity of a ship according to the assigned direction (area) A F Mironenko Ekon i ekspl mor transp no 1:3-10 '63.

TONSILS—DISEASES

Evaluation of the role of climate in the analysis of the incidence of angina in workmen and employees E.A Shaposhnikov. Nauch.trudy Kub.gos med inst 19:29-39 '62

Incidence of angina and outpatient service for chronic tonsillitis at some Krasnodar industrial enterprises A.A.Akimov, E.A Shaposhnikov, V I.Kolmakov Nauch.trudy Kub gos med inst 19:5-18 '62

Outpatient service for the workers of the Krasnodar Worsted and Cloth Combine frequently suffering from angina L P Lazarevich and others. Nauch trudy Kub gos med.inst. 19:19-28 '62

X-ray therapy of chronic tonsillitis. G T.Grigorian, A.G.Adamian. Vop.rent.i onk. 7 115-120 '63.

TOOL STEEL—METALLOGRAPHY

Mechanism and the structural forms of the intermediate transformation of austenite in die steel F N Tavadze, E K Kovshikov Trudy GPI [Gruz] no 4 65-74 '62

TOOL STEEL—TESTING

Strength of tool materials. G.N Titov Sovershen.tekh.mash i prib. no.3:64-82 '60

TOOL STEEL—THERMAL PROPERTIES

Diffusion and thermodiffusion of carbon in 85KhF steel. N.A.Zaitsev, M D.Smolin. Fiz met.i metalloved. 17 no.4 607-609 Ap '64.

TOPOGRAPHICAL DRAWING

Possibility of using the technique of compilation in conjunction with the scribing of topographic maps. K.K.Eliseeva. Geod.i kart. no.4:59-64 Ap '64.

TOPOGRAPHICAL DRAWING—STUDY AND TEACHING

Practical training in topographic technical schools. P.P.Skliar, A I.Biriukov. Geod.i kart. no.4:73-75 Ap '64.

TOPOGRAPHICAL SURVEYING

Russia (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet. [Instruction on the processing of topographic and geodesic works in geological surveying and prospecting] Instruktsiia po proizvodstvu topografo-geodezicheskikh rabot pri geologicheskoi s"emke i razvedke. Moskva, Izd-vo "Nedra," 1964. 211 p.

TOPOLOGY

Breaking up of certain families of measures. A.M. Kagan, V.N.Sudakov. Vest.LGU 19 no.13:147-150 '6

TOPOLOGY (Continued)

Brownian movement with reflection and the problem with the inclined derivative. M.B.Maliutov. Dokl AN SSSR 156 no 6,1285-1287 Je '64.

Internal stresses in an anisotropic elastic medium. I.A. Kunin. Prikl.mat.i mekh. 28 no.4,612-621 Jl-Ag '64.

Isotopy of elements and spheres in n-dimensional space at k>2/3n - 1. A V.Chernavskii. Dokl.AN SSSR 158 no.1 62-65 S-O '64.

Metric properties of plane univalent mappings of closed regions. G.D.Suvorov. Dokl.AN SSSR 157 no.4: 802-805 Ag '64.

On pT-properties and metrization over half-fields. R V Plykin Izv AN Uz SSR. Ser fiz -mat nauk 7 no 5:14-20 '63.

Problems of topology at the general meeting of the Department of Mathematics Vest AN SSSR 34 no 6 93-94 Je '64

Representations of partially ordered sets, and topological spaces. V G Vinokurov Izv AN Uz.SSR Ser fiz - mat nauk 7 no.5:5-13 '63

Solvability of the elementary theory of inclusion of spheres. A.D.Taimanov Alg.i log 2 no.3 23-27 '63.

Theory of topological rings V I Arnautov Dokl AN SSSR 157 no 1 12-15 Jl '64

Topological characteristics of the solutions to n-dimensional differential equations. A I.Perov. Dokl AN SSSR 157 no.4:791-794 Ag '64

Two problems in the theory of semiordered spaces A.I. Veksler. Sib.mat.zhur 5 no.4 952-954 Jl-Ag '64.

TOPORKOV, VASILII OSIPOVICH, 1889-

Half a century ago. Teatr 24 no.12:97 D '64.

TORSION

Torsion of a prismatic sectional rod with a thin reinforcing coating under nonlinear creep M M. Manukian. Dokl. AN Arm.SSR 37 no 4:177-184 '63

TOURISM

Let us start on a journey, friends. A.Anatoliev. Sov profsoiuzy 20 no.15:45 Ag '64

TOXEMIA

Antigen properties of the blood serum and placental extracts in late pregnancy toxemias; experimental research. P.G.Zhuchenko. Akush.i gin. 40 no.1:64-69 Ja-F '64.

Blood proteins and γ - globulin therapy in pregnant women with late toxemias. A.M.Shevchenko. Akush. i gin. 40 no.1:54-59 Ja-F '64.

Determination of blood proteins in late pregnancy toxemias by conjugated stereoimmunoelectrophoresis. S.S.Vasileiskii, I.P.Ivanov. Akush.i gin. 40 no.1: 48-52 Ja-F '64.

Diagnostic significance of changes in the reaction of methylene blue discoloration in the treatment of late pregnancy toxemias. A.P.Mironenko. Akush i gin. 40 no.1,136-137 Ja-F '64.

Hypotension as a symptom of pregnancy toxemia. I.I. Benediktov, L.S.Galeeva. Akush.i gin. 40 no.1:75-80 Ja-F '64.

Oxyhemometric method of determining the activity of the course of oxidation-reduction processes in late pregnancy toxemias. N.F.Mil'chenko. Akush.i gin. 40 no.1,59-63 Ja-F '64.

Proteins in the blood serum in pregnancy toxicoses. S.M.Niiazova. Akush i gin 39 no 5:38-42 S-O '63.

Proteins in the placenta and blood serum in women with late pregnancy toxicoses. E.L Rybalko Akush i gin 39 no.5:32-38 S-O '63

Use of pulsating electrical current (electrosleep) in the treatment of pregnancy toxemias. M.D.Pasternak, Akush.i gin. 40 no.1:69-74 Ja-F '64.

OXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref.zhur.: Farm.Toks. nos.14-16 Jl-Ag '64 Avtorskii ukazatel' za 1963 g.

OXINS AND ANTITOXINS

Carrier state of pathogenic staphylococci in persons subjected to active immunization with staphylococcal anatoxin. G.I.Golius, N.K.Obut-Prave, M.R.Sazonova. Akush.i gin. 40 no.1,43-45 Ja-F '64.

Comparative data on the purification of toxins and anatoxins of Clostridium perfringens by different methods. I.M.Khaustova, A.I.Ugleva. Vop.med.khim. 9 no.2: 209-213 Mr-Ap '63.

Course of pregnancy, labor and the puerperium in conditions of mass immunization with staphylococcal anatoxin. V.K.Prorokova, M.A.Turdakova. Akush.i gin. 40 no.1:38-40 Ja-F '64.

Effect of immunization with staphylococcal anatoxin on the condition of newborns and infants during the first two months of life. T.V.Pchelintseva, R.A.Pleshanova. Akush.i gin. 40 no.1:40-43 Ja-F '64.

Prevention of suppurative infection in puerperants and newborn infants with staphylococcal anatoxin. S.G. Khaskin. Akush.i gin. 40 no.1:13-17 Ja-F '64.

Use of staphylococcal anatoxin for prevention of suppurative diseases in puerperants and newborn infants. A.I.Dmitrieva, B.V.Voskresenskii. Akush.i gin. 40 no.1:22-25 Ja-F '64.

Use of staphylococcal anatoxin in the treatment of mastitis. A.V.Bartels and others. Akush.i gin. 40 no.1,17-21 Ja-F '64.

TOXOPLASMOSIS

Reaction of complement fixation as a test for toxoplasmosis in donors. S.A.Filina, N.Kh.Pogosian Zhur eksp i klin med. 4 no 2:85-88 '64

Use of the fluorescent antibody method in the serological diagnosis of toxoplasmosis J.Kramar. Med.paraz i paraz.bol 32 no.4:454-460 Jl-Ag '63

Ways of eliminating Toxoplasma from the body of an infected animal. E.A.Shevkunova, Z N.Generalova. Med.paraz.i paraz.bol. 32 no.4,451-454 Jl-Ag '63

TOYNBEE, ARNOLD JOSEPH, 1889-

Criticism of Toynbee's theory of classes. G.D. Chesnokov. Nauch.dokl.vys.shkoly, filos.nauki 7 no.1,56-63 '64.

TRACE ELEMENTS

(see also subdivision under Latvia; Verkhoyansk Range)

Content of some trace elements in food rations of the population in the central zone of the Ukraine. R.D. Gabovich, O.A.Kul'skaia. Vop.pit. 23 no.1:60-66 Ja-F '64.

Forms of the participitation of trace elements in supergene mineral formation. K.I.Lukashev. Dokl. AN BSSR 8 no 2,116-119 F '64

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. [Methodological recommendations on the determination of trace elements in soils, plant and animal organisms] Metodicheskie rekomendatsii po opredeleniiu mikroelementov v pochvakh, rastitel'nykh i zhivotnykh organizmakh. [n.p.] Otdel nauchno-tekhn. informatsii VIZha, 1963. 61 p. (V pomoshch' nauchnym i prakticheskim rabotnikam)

[MICROFILM]

Simultaneous placement of trace elements and bacterial fertilizers P.I.Kurguzov. Agrobiologiia no 1:142-143 Ja-F '64.

Some trace elements and blood proteins in children with acute leukemia. O.M.Lago. Probl.gemat.i perel. krovi 8 no.8:37-41 Ag '63.

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT see subdivision under Siberia, Eastern; Soviet Far East

TRACHEA—INNERVATION

Innervation of the trachea and bronchi in cats. R.A Askerov. Dokl.AN Azerb.SSR 19 no.3:75-79 '63

TRACHEA—INTUBATION

Use of lysthenon in tracheal intubation. G.P.Buachidze. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11: 53-55 '63

TRACHEA—RADIOGRAPHY

Change in the tracheal bifurcation angle in mitral stenosis; X-ray observations. R.G.Fedorova, IU.S.Khomiakov. Grud.khir. 5 no.5:15-18 S-O '63.

TRACHEA—SURGERY

Review of F.F.Amirov's book "Plastic surgery on the trachea and bronchi". N.S.Zheltikov. Grud.khir. 5 no.5:112-113 S-O '63.

TRACHEA—TUBERCULOSIS

X-ray and bronchoscopic parallels in the clinical aspects and diagnosis of tracheal and bronchial tuberculosis. N.IA.Kosova, Z.A.Shulaeva. Probl.tub. 42 no.1:22-28 '64.

TRACTOR INDUSTRY see subdivision under Lipetsk, Vladimir; Volgograd

TRACTOR INDUSTRY—HYGIENIC ASPECTS see subdivision under Krasnodar

TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Chelyabinsk

TRACTORS

(see also subdivision under Kostroma Province)

Arkhangel'skii, B.E., and others. [T-40 tractor] Traktor T-40. Moskva, Izd-vo "Kolos," 1964. 231 p.

Mikheev, N.Z., V.A.Kubyshev, and V.A.Mel'nik. [Tractor-mounted hydraulic systems] Gidravlicheskie navesnye sistemy traktorov. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1960. 129 p.

[MICROFILM]

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref.zhur.: Trakt.i sel'khoz.mash.i orud. no.8 Ag '64.

TRACTORS—ENGINES

Studying the wear of some connecting pairs with nonantifriction alloys in truck and tractor engines V.D.Koval'skii Trudy Kostr sel'khoz.inst."Kar " no.3 207-211 '63

TRACTORS—HYDRAULIC EQUIPMENT

Logical device for determining the disrepair of tractor hydraulic equipment B.V.Pavlov, A.I.Gibert. Nauch trudy SibVIM no.1 62-67 '63

TRACTORS—LUBRICATION

Tel'nov, N.F. [Repair of oil pumps and filters of tractor and combine engines] Remont maslianykh nasosov i fil'trov traktornykh i kombainovykh dvigatelei. Moskva, Izd-vo "Kolos," 1964. 132 p. (Bibliotechka rabochego-remontnika)

TRACTORS—MAINTENANCE AND REPAIR

Rotermel', B.P., and A.P.Bykov. [Maintenance of tractors and combines] Tekhnicheskii ukhod za traktorami i kombainami. [Omsk] Omskoe knizhnoe izd-vo, 1963. 120 p. (Biblioteka mekhanizatora)

TSentral'naia respublikanskaia sel'skokhoziaistvennaia normativno-issledovatel'skaia stantsiia. [Collection of technically substantiated time norms for repair work] Sbornik tekhnicheski obosnovannykh normativov vremeni na remontnye raboty. Moskva, Rossel'khozizdat, 1964. 134 p.

Vodolazhchenko, IU.T., and others. [Dismantling and assembling the DT-20 tractor] Razborka i sborka traktora DT-20. Moskva, "Kolos," 1964. 174 p.

TRACTORS—TECHNOLOGICAL INNOVATIONS

For skilled agricultural workers. Izobr.i rats no 5: 28-29 '64

TRADE AND PROFESSIONAL ASSOCIATIONS

Development of the organizational forms of society in the transition period to communism. V.IA.El'meev. Vest.LGU 19 no.11,48-58 '64.

TRADE UNIONS

(see also subdivision under Algeria; Japan; Ukraine; Venezuela; Yaroslavl)

Bosses, not dependents E.Pastukhov. Sov.profsoiuzy 20 no 16 20-21 Ag '64

Fourteenth International Conference of Mining Workers' Trade Unions. A.I.Smirnov. Geod.i kart. no.4:75-76 Ap '64.

From the editor's mail. Sov.profsoiuzy 20 no.16:18-19 Ag '64.

Fruitful cooperation of the two trade-union centers. Bedrich Kacirek. Vsem.prof.dvizh. no 6:20-31 Je '64.

Give trade-union support to technological creativeness Sov.profsoiuzy 20 no.14,2-3 Jl '64

Hand in hand with the trade union. Sov.potreb.koop. 8 no.5:21-22 My '64.

If you value your honor.... V.Chernoshei. Sov.profsoiuzy 20 no.16 6-7 Ag '64

Improve organizational work. Sov.profsoiuzy 20 no.16: 1-3 Ag '64

In the Presidium of the All-Union Central Council of Trade Unions. NTO 6 no.5:40 My '64.

Let us strengthen active Solidarity with the workers and people of South Vietnam! Vsem.prof.dvizh. no.6: 9-11 Je '64.

Novikov, V.F. [Work of the soviets and committees with the labor force and activist groups] Rabota sovetov i komitetov profsoiuzov s kadrami i aktivom. [Moskva] Profizdat, 1964. 77 p. (Bibliotechka profsoiuznogo aktivista, no.16(88))

The plant committee and physical education. A.Myznikov. Sov.profsoiuzy 20 no.14:24-26 Jl '64.

Replies to our readers' questions. Sov.profsoiuzy 20 no.14 43 Jl '64

There are no fixed ways. V.Kurilenko. Sov.profsoiuzy 20 no.15:15-17 Ag '64.

This is the active propaganda. A.Kublanov. Sov.profsoiuzy 20 no.14:11-13 Jl '64

Trade-union organizations of physical education and training as schools of public self-government. K.A. TSaturova. Teor.i prak.fiz.kul't. 27 no.4:43-46 Ap '64.

Unity is a firm basis of the international labor movement K.Guseinov Sov.profsoiuzy 20 no 14 4-7 Jl '64.

TRADE UNIONS—CONGRESSES

Successful realization of the unity of trade-union action. Dagobert Krause. Vsem.prof.dvizh. no.6:38-41 Je '64.

Under the badge of the struggle for the unity of the miners of the entire world. B.Hanson. Vsem.prof. dvizh. no.6:41-44 Je '64.

We will meet in Moscow. Viktorin Diuge. Sov.shakht. 13 no.4:33-34 Ap '64.

TRADE UNIONS—OFFICERS

(see also subdivision under Ukraine)

The key to hearts is tactfulness. N.Dzekh. Sov.profsoiuzy 20 no.16:8-9 Ag '64.

Take over the work, Nina! V.Andrianov. Sov.profsoiuzy 20 no.14:32-33 Jl '64.

With words and deeds. M.Ermakov. Sov.profsoiuzy 20 no 15:31 Ag '64.

TRADE UNIONS AND COMMUNISM

One way of falsifying socialist democracy. M.I.Perfil'ev. Vop.filos. 18 no.7:101-111 '64.

TRADEMARKS

[Bulletin on inventions and trademarks] Biul.izobr.i tov. znak. 41 nos.13-14 Jl '64.

TRAFFIC SAFETY
For traffic safety. Tekh. i vooruzh. no. 3:45-47 Mr '64.

TRAFFIC SIGNS AND SIGNALS
New road signs. Tekh. i vooruzh no. 3:68-69 Mr '64

TRAINING OF EMPLOYEES see Employees, Training of

TRAJECTORIES
Structure of trajectories on toroidal manifolds. IU.O. Mytropol's'kyi, A.M Samoilenko. Dop AN URSR no. 8:981-986 '64.

TRANQUILIZING DRUGS
Ataractic properties of the series of 4-mono- and 1,4-disubstituted pyrazoles. K.S. Raevskii, IU. M. Batulin. Farm. i toks. 26 no. 5:551-556 S-O '63.

TRANS-ILI ALATAU—GRAPES
Wild grape in the Trans-Ili Alatau V.P Goloskokov. Bot. zhur. 49 no 5 742-743 My '64.

TRANSAMINASES
Aminopherases in the blood serum of healthy children and the change in their activity in Botkin's diseases. R.E. Bronshtein. Trudy Tadzh. med. inst. 50:97-101 '61.

Change in proteins, proteids and aminotransferase activity in the blood serum of patients with chronic liver diseases under the influence of diet therapy. T.I. Lozanskaia. Vop. pit. 22 no. 3:8-13 My-Je '63.

TRANSBAIKALIA—BOTANY
Floristic finds in Dauria. G. A. Peshkova. Izv. Sib. otd. AN SSSR no. 6:122 '62.

TRANSBAIKALIA—CHILLAGITE
Chillagite from the Spoloynoye deposit (eastern Transbaikalia). L. F. Syritso, L. I. Chuenko. Vest. LGU 19 no. 12:162-165 '64.

TRANSCARPATHIA—LANGUAGES—MAPS
Carpathian dialectal atlas. S. B. Bernshtein. Vop. iaz. 12 no. 4:72-84 Jl-Ag '63.

TRANSCARPATHIA—MINERALOGY, DETERMINATIVE
Study of the nature of new rare organic minerals in Transcarpathia. I. V. Grinberg and others. Dokl. AN SSSR 158 no. 1:116-118 S-O '64.

TRANSCARPATHIA—POTATO BEETLE
Physiological age of the Colorado beetle. IU. A. Zakhvatkin. Nauch. dokl. vys. shkoly; biol. nauki no. 3: 10-23 '64.

TRANSCARPATHIA—UKRAINIAN LANGUAGE—DIALECTS
Interpretation of linguistic maps. I. A. Dzendzelevskii. Vop. iaz. 12 no. 4:94-101 Jl-Ag '63.

TRANSCAUCASIA—CLOTHING INDUSTRY
Specialization and cooperation of the clothing industry in Transcaucasia. V. F. Gopko, A. E. Gorenbein. Shvein. prom. no. 2:22-25 Mr-Ap '64.

TRANSCAUCASIA—COMMUNIST YOUTH LEAGUE
Avetisian, G. A. [The Komsomol of Transcaucasia in the struggle for the victory and consolidation of the Soviet regime, 1917-1921] Komsomol Zakavkaz'ia v bor'be za pobedu i uprochenie Sovetskoi vlasti (1917-1921). Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 486 p.

TRANSCAUCASIA—IRON AND STEEL PLANTS
Performance of Transcaucasia Metallurgical Plant blast furnaces operating on natural gas. N. V. Kashkashvili and others Trudy GPI [Gruz.] no. 4 11-23 '62.

TRANSCAUCASIA—NARCISSUS
Occurrence of Narcissus angustifolius Curt. in Transcaucasia. V. I. Komendar. Bot. zhur. 49 no. 7:1024-1032 Jl '64.

TRANSCAUCASIA—PINE
Interrelationship between the moisture and heartwood formation in Pinus hamata Sosn. as influenced by climatic factors. E. D. Lobzhanidze, L. A. Gotsiridze. Soob. AN Gruz. SSR 33 no. 3:655-661 Mr '64.

TRANSCAUCASIA—REVOLUTION, 1917-1921
Avetisian, G. A. [The Komsomol of Transcaucasia in the struggle for the victory and consolidation of the Soviet regime, 1917-1921] Komsomol Zakavkaz'ia v bor'be za pobedu i uprochenie Sovetskoi vlasti (1917-1921). Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1964. 486 p.

TRANSDUCERS
Kichkin, I. I. [Transducers in marine remote control systems] Datchiki sudovykh sistem distantsionnogo kontrolia. Pod red. G. P. Katysa. Moskva, Izd-vo "Transport," 1964. 209 p.

Selecting parameters of transducers for noncontact measurements of electric conductivity by the method of vortex currents. V. S. Sobolev Izm. tekh. no. 3: 47-48 Mr '64.

Sinus condenser as a converter of angular displacement. IU. F. Sul'zhenko. Avtomatyka 9 no. 4:57-64 '64.

TRANSIENTS (ELECTRICITY)
Generating transient electromagnetic moments of asynchronous motors. N. I. Zenkin, V. M. Kirpichnikov. Izv. vys. ucheb. zav.; gor. zhur. 7 no. 3:171-178 '64.

TRANSISTOR AMPLIFIERS
Contribution to the theory of a two-stage transistor amplifier with parallel feedback. V.A.Gantsev. Izv. vys. ucheb. zav., radiotekh. 7 no 2 229-236 Mr-Ap '64.

Derivation of a logarithmic amplitude response characteristic in a transistor video amplifier. V V. Sidorenko, V. M. Volkov. Izv. vys. ucheb zav.; radiotekh 7 no. 2:220-228 Mr-Ap '64.

Mamonkin, I. G. [Low-frequency transistor amplifiers] Poluprovodnikovye usiliteli nizkoi chastoty. Moskva, Mosk. energeticheskii in-t, 1961. 105 p.
[MICROFILM]

Through the pages of foreign magazines Radio no. 1:60 Ja '64.

TRANSISTOR CIRCUITS
Anisimov, V. I., and A. P. Golubev. [Transistorized modulators] Tranzistornye moduliatory. Moskva, Izd-vo "Energiia," 1964. 222 p.

Berestnev, P. D. [Transistor devices in radio circuits] Poluprovodnikovye pribory v radiotekhnicheskikh skhemakh. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1964. 91 p.

Equivalent circuits of a transistor operating in a weak signal chopping mode. V. I. Anisimov, A. P. Golubev. Elektrosviaz' 18 no. 8:44-51 Ag '64.

Miller, E. V. [Contactless logic components using transistors and their application] Beskontaktnye logicheskie elementy na poluprovodnikakh i ikh primenenie. Moskva, Izd-vo "Energiia," 1964. 79 p. (Biblioteka po avtomatike, no. 97)

Review of I. P. Stepanenko's book "Principles of the theory of transistors and transistor circuits." S. M. Gerasimov Izv. vys. ucheb zav., radiotekh. 7 no 2 257 Mr-Ap '64.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS
Belov, I. F., and N. A. Grigorovskaia. [The "Topaz-2" transistor radio; assembly and adjustment] Tranzistornyi radiopriemnik "Topaz-2", sborka i nalazhivanie. Moskva, Izd-vo "Energiia," 1964. 23 p. (Massovaia radiobiblioteka, no. 518)

Mikirtichan, G. M. [Portable transistorized superheterodyne receiver] Perenosnyi tranzistornyi supergeterodin. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no. 528)

"Mir" radio receiver. K. Lokshin, I. Bozhko. Radio no. 1:36-37 Ja '64

TRANSISTORS
Effect of free charge carriers on the field and capacitance of a degenerated p-n junction. P. E. Zil'berman. Radiotekh. i elektron. 9 no. 7:1270-1280 Jl '64.

Effect of the collector region on the decay time in a transistor in a common emitter circuit configuration. Z. S. Gribnikov. Radiotekh. i elektron. 9 no. 7:1287-1292 Jl '64.

Review of I. P. Stepanenko's book "Principles of the theory of transistors and transistor circuits." S. M Gerasimov. Izv. vys. ucheb. zav.; radiotekh 7 no 2:257 Mr-Ap '64.

Use of ferrite-transistor elements. V. G. Persheev. Vest. TSNII MPS 23 no. 4:60-64 '64.

Use of the avalanche properties of junction transistors in pulse systems. V G. Pikulik, S. IA. Shats. Elektrosviaz' 18 no. 5:46-52 My '64.

Zelikman, G. A., and others. [Silicon transistor diodes and triodes; manufacture techniques] Poluprovodnikovye kremnievye diody i triody, tekhnologiia proizvodstva. Moskva, Izd-vo "Energiia," 1964. 183 p.

TRANSISTORS—NOISE
Calculation of the noise of a transistor at high frequencies. IU. L. Simonov. Elektrosviaz' 18 no. 8:71-73 Ag '64.

TRANSIT CIRCLE
Observations of right ascensions of the sun, Mercury and Venus with the new meridian circle at the Moscow Observatory. A. P. Gubaev, O. A. Kozina, N. N. Kabaeva. Soob. GAISH no. 134:21-23 '64.

TRANSITION METAL COMPOUNDS—THERMOELECTRIC PROPERTIES
Relation between the coefficients of the thermoelectric efficiency of monocarbides and mononitrides of transition metals and their atomic characteristics. V.S. Neshpor, G.V. Samsonov. Dokl. AN SSSR 157 no. 4: 834-836 Ag '64.

TRANSITION METALS—OPTICAL PROPERTIES
Optical properties of transition metals. M. M. Kirillova, B. A. Cha[illegible]ikov. Opt. i spektr. 17 no. 2:254-258 Ag '64.

TRANE [illegible]
Rema [illegible] L.A.
ther [illegible] 180-
Shvc [illegible]
185 [illegible]

TRANSLATIONS
Translations of foreign literature and their use. V. M. Litvin. Biul TSentr nauch sel'khoz. bibliot no 1:30-35 '59.

TRANSPLANTATION OF ORGANS, TISSUES, ETC.
Transplantation of nuclei from the ectoderm and neural rudiment of developing embryos in Bufo bufo, Rana arvalis and Rana temporaria into enucleated eggs of the same species. L A Nikitina Dokl AN SSSR 156 no 6 1468-1471 Je '64.

TRANSPORT OF SICK AND WOUNDED
Organization of medico-evacuation measures during a motorized infantry attack. V. V. Meshkov, V. A. Zhulin. Voen.-med. zhur. no. 1:22-28 '63.

Use of the medium GTS tracked personnel carrier for the evacuation of wounded. IU. N. Stogov. Voen.-med. zhur. no. 1:76-77 '63.

TRANSPORT THEORY
Transportation problem with respect to time in the theory of graphs V.A. Evstigneev Dokl AN SSSR 157 no. 4:814-815 Ag '64.

TRANSPORTATION
(see also subdivision under Siberia)

Builders for the transportation industry in foreign countries S G Glazko Transp stroi 14 no 1 54-56 Ja '64

Characteristics of the limit of visibility related to requirements of land transportation. Trudy NIIAK no. 11 44-50 '63.

Efficiency of recommendations V Povorozhenko NTO 6 no. 6 13-16 Je '64

For the 46th anniversary of the Great October. Transp stroi. 13 no. 10 2-3 O '63.

Great work of builders of transportation systems R G Anpilogov Transp stroi 14 no 1 2 Ja '64

Pay great attention to projects in the final stage of construction. Transp. stroi. 13 no. 10:1-3 O '63.

TRANSPORTATION—ABSTRACTS
[Container shipments and the interaction of various types of transportation] Ref zhur.: Vzaimodeis raz vid transp i kont perev. nos 7-8 Jl-Ag '64

[Industrial transportation] Ref. zhur.: Prom. transp. no. 8 Ag '64

TRANSPORTATION—BIBLIOGRAPHY see Bibliography—Transportation

TRANSPORTATION—LAWS AND REGULATIONS
Foundations of the law governing transportation relations B. M. Riabinskii Uch zap. Dal'nevost. gos. un. no 6: 169-183 '62.

TRANSPORTATION, AUTOMOTIVE
Cooperation between railroad and automotive transportation in the transport of passengers V. K IArnov. Zhel. dor. transp 46 no. 7:77-78 Jl '64

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS
[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. nos. 8-9 Ag-S '64

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING see subdivision under Komsomol'sk-on-Amur

TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION see subdivision under Kirghizistan

TRAUMATISM
Resistance of the crystalline lens of the newt to radiation and traumatizing actions. V. V. Popov, V.A. Golichenkov Nauch. dokl. vys. shkoly; biol. nauki no. 3:82-86 '64.

Study of industrial traumatism at the Sedin Machine-Tool Plant. V. P. Kitsenko, V. A. Nesterov Nauch trudy Kub. gos. med inst 19:56-62 '62.

TRAVELING LIBRARIES see Libraries, Traveling

TRAVELING-WAVE TUBES
Amplification of a traveling-wave tube in a mode of continuous and equal current interception of the delay system. A. I. Shtyrov. Radiotekh. i elektron. 9 no. 7: 1223-1233 Jl '64.

Effect of beam current decrease along a delay system on the operation of backward-wave and traveling-wave tubes. N. P. Budnikova, N. I. Sinitsyn, V. N. Shevchik. Izv. vys. ucheb. zav.; radiotekh. 7 no 2:131-138 Mr-Ap '64.

Effect of the fill factor coefficient of the transit channel on the efficiency of a traveling-wave tube. V. I. Shevchenko, V. V. Murav'ev. Izv. vys. ucheb. zav., radiotekh 7 no. 2:191-199 Mr-Ap '64.

TRAWLS AND TRAWLING
Advantages of a large-mesh trawl in fishing for medium size and large fishes K G Konstantinov Mat rybokhoz issl Sev bas no 1 25-26 '63

Economics of a trawler on "fresh fish" cruises. V. I. Zakurdaev Mat rybokhoz issl. Sev. bas no. 1 56-58 '63

Effect of the trawling speed rate on the changes in the trawl net parameters and tension A N Samarianov. Trudy Azcherniro no. 21:3-15 '63

TREATIES

A N Talalaev's "Legal nature of an international treaty. B.V Ganiushkin Sov gos.i pravo 34 no.7 167-169 Jl '64.

TREE FELLING

Polishchuk, A. P. [Tree felling] Valka lesa. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 230 p.
(DNAL)

TREE RINGS

Methods for determining the age of trees growing at the timberline S.G.Shiiatov Izv vys ucheb.zav.; les zhur 6 no 3 166-167 '63

TREES—FERTILIZERS AND MANURES

Growth of annual tree seedlings under the effect of mineral fertilizers V N Sorokin Agrokhimiia no 1 127-128 Ja '64

TREES—PHYSIOLOGY

Latest edition of M Busgen's book A.D.Tarabrin. Izv vys ucheb.zav , les.zhur. 6 no 3:168-170 '63.

TREES IN WINTER

(see also subdivision under White Russia)

Water content of annual shoots of woody plants during fall, winter and spring M D Nestsiarovich, R R Sirotkina Vestsi AN BSSR Ser biial nav no 4:5-11 '63

TREHALASE

Trehalase in animal and human tissues. I.S.Lukomskaia, G.I.Tarasova. Vop.med.khim. 9 no.2:214-216 Mr-Ap '63.

TRENCHING MACHINERY

The high-speed trenching machine is becoming more reliable B Bogoliubov, V Malygin Tekh i vooruzh no.3 63-64 Mr '64

TRENEV, KONSTANTIN ANDREEVICH, 1876-1945

Published in Rostov S.Penina. Teatr 24 no 12:84-85 D '63

TREPONEMA PALLIDUM

How to evaluate a positive serological reaction following the completion of antisyphilitic treatment? M V Milich. Vest.derm.i ven 38 no.1.44-48 Ja '64

TRESTLES—DEFECTS

Defects in the design of steel elements for conveyor trestles M B Solodar', IU S Plishkin Prom stroi. 41 no 7 33-36 Jl '64

TRIALS (RELIGION)

Samoilov, L. S., and B. P. Skorbin [Servants of evil] Sluzhiteli zla. [Moskva] Izd-vo "IUridicheskaia literatura, 1964. 44 p.

TRIANGULATION

Adjusting 3d and 4th order triangulation by approximation. P A.Gaidaev. Geod i kart. no 5 23-24 My '64

Distribution of errors in the equations of coordinates in angular and linear nets. E.G.Boiko Geod.i kart. no 4:7-17 Ap '64.

Preliminary calculation of the accuracy of the elements in a triangulation series. P I fimov Sbor nauch trud. KGRI no.10:146-150 '61.

TRIAZINE

Duration of the action of atrazine and simazine. G V. Chubarova Zemledelie 26 no 6:61-63 Je '64

Weed control in millet fields using atrazine, propazine, and simazine. G A.Matveenko Khim.v sel'.khoz. 2 no.4:38-39 Ap '64.

TRIAZINE—THERAPEUTIC USE

Study of the effectiveness of various doses of 6-azauridine in malignant tumors of female genitalia. J.Musil and others. Vop.onk 10 no.3 62-66 '64

TRIAZINE—TOXICOLOGY

Duration of the toxic action and aftereffects of simazine and atrazine. P.M.Kliueva. Khim v sel'.khoz. 2 no.4:35-37 Ap '64

TRIBENZYLAMINE

Tribenzylamine as an inhibitor of tin ionization and Sn^{2+} discharge on an amalgam electrode. M.G.Efremova, M.A.Loshkarev. Trudy DKHTI no.16:99-112 '62.

TRIBES AND TRIBAL SYSTEM

Certain disputed issues in the study of the historical forms of communities of people (tribe, nationality, nation). A.A.Satybalov. Vest.LGU 19 no.11:59-68 '64.

TRICHINA AND TRICHINOSIS

(see also subdivision under White Russia; Yamal Peninsula)

Comparative effectiveness of various methods of the diagnosis of trichinelliasis in swine A.S Bessonov Veterinariia 41 no 4 61-62 Ap '64.

TRICHOCEPHALIASIS

Clinical aspects of trichocephaliasis. N.P.Kravets. Med.paraz.i paraz.bol. 32 no 4:400-405 Jl-Ag '63.

Trichocephaliasis of swine A I.Denisov Veterinariia 41 no 4 57-58 Ap '64

TRICHOCEPHALIASIS—PREVENTIVE INOCULATION

Immunological method of the diagnosis of trichocephaliasis in swine A Medzevicius Veterinariia 41 no 4 58-60 Ap '64

TRICHOMONIASIS

Flagyl in the treatment of trichomoniasis in males. I.M. Porudominskii, S.A.Artem'ev, G.A.Veskresenskaia. Urologiia no.1 15-17 '64.

Frequency of urogenital trichomoniasis incidence in males. A.F.Anikin. Vest.derm.i ven. 38 no.1.48-52 Ja '64.

TRIETHYLAMINE

Liquid - vapor equilibrium in the system triethylamine - water - phenol near the point of demixing [with summary in English]. M.V.Kal'sina, M.B.Nikiforova, N.E. Khazanova Zhur.fiz.khim. 38 no.2:368-371 F '64.

TRIETHYLAMINE—THERAPEUTIC USE

Use of etaphen in the treatment of coronary insufficiency. A.P.Pekshev. Kardiologiia 2 no.6:69-73 N-D '62.

TRIGEMINAL NERVE

Development of sensory nuclei of the human trigeminal nerve and their cellular structure. L.E.Goncharenko. Arkh.anat.,gist.i embr. 43 no.8:29-34 Ag '62.

Studies on the effect of adreno- and cholinolytic drugs in the trigeminal section of the brain stem. R.IU. Il'iuchenok, R.B Matveeva Farm.i toks. 26 no.5 525-531 S-O '63

TRIOXANE

Cation polymerization kinetics of trioxane. G.V.Rakova and others Dokl AN SSSR 156 no.6:1409-1411 Je '64.

TRIPHENYLMETHANE DYES

Extraction of fluotantalate with basic dyes. Report No.2. Comparative study of certain basic triphenylmethane dyes as reagents for the extraction-photometric determination of tantalum S V Makarova, I P. Alimarin Zhur.anal khim 19 no 5:564-568 '64.

TRITICUM-AGROPYRON HYBRIDS

Transformation of nitrogenous substances in perennial wheat S.M.Sokolova Biul MOIP.Otd biol. 68 no.3 76-81 My-Je '63

TRITIUM

Elastic scattering of protons on tritium at energies below the (p, n)-reaction threshold. IU G.Balashko and others. Izv.AN SSSR.Ser.fiz. 28 no.7:1124-1136 Jl '64.

TRITONS

Studying the lower states of Si^{28} observed in the $Al^{27}(\alpha, t)Si^{28}$ reaction. O.F.Nemets, A.T.Rudchik, V.A. Usik. Izv AN SSSR.Ser.fiz. 28 no.7:1164-1168 Jl '64.

TROITSKAIA, ALEKSANDRA DMITRIEVNA, 1887-1963

In memoriam of Aleksandra Dmitrievna Troitskaia. Vest.derm.i ven. 38 no.1.83 Ja '64.

TROITSKII, SEMEN IVANOVICH, 1889-1934

In memory of Semen Ivanovich Troitskii. V.M.Mikhel'. Meteor.i gidrol. no.8:47-48 Ag '64.

TROLLEYBUSES—MAINTENANCE AND REPAIR

Molodykh, I. A., M. G. Tregubenko, and M. S. Chertok. [Manual for studying the Regulations for the Maintenance of Trolleybuses] Posobie dlia izucheniia Pravil tekhnicheskoi ekspluatatsii trolleibusov. Moskva, Stroiizdat, 1964. 226 p.

TROPICS—DISEASES AND HYGIENE

Kassirskii, I. A., and N. N. Plotnikov. [Diseases of tropical countries] Bolezni zharkikh stran. Izd.2, Moskva, Meditsina, 1964. 455 p.
(DNLM)

TROPINE

Relation between the pharmacological action and chemical structure in the series of some tropine esters. A. L. Mndzhoian and others. Izv. AN Arm. SSR.Biol. nauki 15 no.12:3-14 D '62.

TRUEVTSEV, NIKOLAI IVANOVICH, 1903-

Nikolai Ivanovich Truevtsev, on the occasion of his sixtieth birthday. Izv. vys. ucheb. zav., tekh. tekst. prom. no.6:187 '63.

TRUSKAVETS (UKRAINE)—HEALTH RESORTS, WATERING PLACES, ETC.

Eremin, V. U. [Treatment of patients with chronic inflammatory diseases of the liver and biliary tract at the Truskavets Health Resort] Lechenie bol'nykh khronicheskimi vospalitel'nymi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. Kiev, Gosmedizdat USSR, 1964. 51 p.
(DNLM)

TRUSSES

Effectiveness performance of steel prestressed trusses. V.A Zakharov Prom stroi 41 no 7.29-33 Jl '64

TRUSSES—TESTING

Testing models of continuously reinforced elements and units of precast reinforced concrete trusses N.N. Bogdanov, V.P Kamentsev, G P Solov'ev. Transp. stroi. 13 no.10.56-59 O '63

TRUSTS, INDUSTRIAL see subdivision under Germany

TRYPSIN

Characteristics of the secretion of proteolytic enzymes of gastric juice in various diseases. A.A.Pokrovskii, L.M.Bogdanova. Vop.med.khim. 9 no.2:217-218 Mr-Ap '63.

Determination of the proteolytic activity of pepsin and trypsin by a rapid microchemical method. A A Pokrovskii, L M Bogdanova Lab delo no 7 411-414 '64

TRYPTOPHAN

Clinical characteristics and properties of the course of chronic leukemia during the early stages of its development. Report No.1. T.A.Cherntsova, V.D.Ivanova, O.V.Aksenova. Probl.gemat.i perel.krovi 8 no.8: 9-13 Ag '63.

TSELIKOV, ALEKSANDR IVANOVICH, 1904-

Aleksandr Ivanovich TSelikov, on his 60th birthday. Stal' 23 no.4:346-347 Ap '64

Awarding of the title of Hero of Socialist Labor to A.I. TSelikov Vest.AN SSSR 34 no 7 120 Jl '64

TSELINNYY KRAY see Virgin Territory

TSIMLYANSK RESERVOIR—PHYTOPLANKTON

Determination of primary production in Tsimlyansk and Veselyy Reservoirs E.I.Aksenova, L.V.Sokolova Trudy AzNIIRKH no.6 63-69 '63.

TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [From the history of rocket engineering] Iz istorii raketnoi tekhniki. Moskva, Nauka, 1964. 254 p.

TUAR-KYR REGION—PORPHYRY

Find the pebbles of felsitic porphyries in the base of the Neocomian of the Tuar-Kyr region. K.Amanniiazov, I.M.Khudoshin. Izv.AN Turk.SSR.Ser.fiz.-tekh., khim.i geol nauk. no.2:117-119 '63.

TUBERCULIN

Tuberculin as an additional factor in the reparative processes in tuberculosis. E.Z.Mirzoian, V.P.Osintseva. Arkh.pat. 26 no.2:30-36 '64.

TUBERCULIN—TESTING

Allergy and the reaction of complement fixation in the experimental paratuberculosis of goats. V E Shchurevskii Veterinariia 41 no 4 20-21 Ap '64

Morphological changes at the tuberculin reaction site in vaccinated and nonvaccinated animals. M.IA.Diukanova. Probl.tub 42 no.1:60-65 '64.

Sensitivity of the skin to tuberculin in cavernous forms of pulmonary tuberculosis and its changes in the process of bacteriostatic treatment. I.N.Arkhangel'skii. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:193-204 '63.

TUBERCULOSIS

Bronchological examination of children with chronic pulmonary tuberculosis. G.L.Feofilov, R.M.Perel'man, L.P.Khramova. Probl.tub. 42 no.1:16-21 '64.

C-reactive protein in tuberculous children. E.A.Astrova. Probl.tub. 42 no.1:49-51 '64.

Characteristics of the course of silicotuberculosis. L.F.Linskaia. Probl.tub. 42 no.1:51-53 '64.

Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. V.S.Chefranov, A.A.Klebanova. Probl.tub. 42 no.1:44-48 '64.

Correlation between the functional state of the cerebral cortex and tuberculosis. G.S.Kan. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:329-344 '63.

The course of aseptic tuberculous inflammation under the influence of basic antituberculous preparations. G.A.Mikhailets, G.O.Loogna. Pat.fiziol.i eksp. terap. 6 no.4:41-44 Jl-Ag '62.

Course of experimental tuberculosis in animals preliminarily adapted to hypoxia. V.M.Davydova. Biul.eksp. biol.i med. 55 [i.e.56] no.10:35-40 O '63.

Functional state of the nervous system in diabetes mellitus and pulmonary tuberculosis patients according to electrophysiological examination. A.I.Volegov, T.F.Smurova. Probl.tub. 42 no.1:73-79 '64.

Histochemical characteristics of glycogen and acid mucopolysaccharides in tuberculous nodules and exudative foci. S.S.Kasab'ian. Probl.tub. 42 no.1: 69-73 '64.

Immediate and late results of the surgical treatment of pulmonary tuberculosis with large and gigantic caverns. IA.V. Kakitelashvili. Grud.khir. 5 no.5:41-45 S-O '63.

Is radiation therapy necessary in contemporary treatment of tuberculosis of various localizations in infants? K.A.Moskacheva. Med.rad. 7 no.9:32-36 S '62.

TUBERCULOSIS (Continued)

Khomenko, A.G. [Clinical aspects and treatment of cavernous forms of pulmonary tuberculosis] Klinika i lechenie kavernoznykh form tuberkuleza legkikh. Kiev, Izd-vo "Zdorov'e," 1964. 222 p. (DNLM)

Lung resection in conglomerate silicotuberculosis. B.D. Zislin. Grud.khir. 5 no.5:51-54 S-O '63.

Physical culture therapy in the clinical aspects of pulmonary tuberculosis. I.I.Vorob'eva. Probl.tub. 42 no.1:57-63 '64.

Review of the activity of the international symposium on the effectiveness of antibacterial treatment of tuberculosis with the basic preparations. I.E.Sorkin. Probl.tub. 42 no.1:91-94 '64

Sensitivity of the skin to tuberculin in cavernous forms of pulmonary tuberculosis and its changes in the process of bacteriostatic treatment. I.N.Arkhangel'skii. Trudy Inst.eksp.i klin.khir.i gemat.AN Gruz.SSR 11:193-204 '63.

Tuberculin as an additional factor in the reparative processes in tuberculosis. E.Z.Mirzoian, V.P.Osintsova. Arkh.pat. 26 no.2:30-36 '64.

Tuberculosis and psyche. I.T.Viktorov. Trudy Gos.nauch.-issl.psikhonevr.inst. 29:345-357 '63.

Urine color sediment reaction in determination of the activity of tuberculous changes in the lungs. E.A. Gnezdilova, M.T.Bazluk, N.E.Gorchakova. Probl.tub. 42 no.1:88-90 '64.

Use of exercise therapy in fibrous and cavernous pulmonary tuberculosis after thoracoplasty at the Abastumani Health Resort. P.A. Mkheidze, I.B. Mikhlin. Vop.kur.,fizioter.i lech.fiz.kul't. no.6:552-554 '63.

TUBERCULOSIS—HOSPITALS AND SANATORIUMS

Some problems in the treatment of pulmonary tuberculosis patients in the "Sosnovyi Bor" Sanatorium. M.D. Khalibashvili. Probl.tub. 42 no.1:85-89 '64.

TUBERCULOSIS—PREVENTION

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. F.M. Gatago. Probl.tub. 42 no.1:8-11 '64.

TUBERCULOSIS IN ANIMALS

Infection of cattle with the tuberculosis agent of human type. V.I. Malygin and others. Veterinariia 41 no.4:17-19 Ap '64.

TUFFITES see subdivision under Georgia

TUKHACHEVSKII, MIKHAIL NIKOLAEVICH, 1893-1937

Notes about M.N.Tukhachevskii by a contemporary. G.Isserson. Voen.-ist.zhur. 5 no.4:64-78 Ap '63

Second vocation of the marshal. I.Khatskevich. Sov. muz. 28 no.2:114-117 F '64.

TUKURINGRA RANGE REGION—GRANITE

Metamorphism of the Upper Stanovoy granitoids in the western spurs of the Tukuringra Range. I.S.Sedova. Trudy Lab.geol.dokem. no.16:160-175 '64.

TULA FIREARMS INDUSTRY—ACCOUNTING

Organization of accountant's work in an industrial enterprise. I.Kon'kin. Bukhg.uchet 20 no.12:26-28 D '63.

TULA PROVINCE—COMMUNIST EDUCATION

Putashov, A.V. [Political self-education; a consultant's notes on experience in individual study of Marxist-Leninist theory] Politicheskoe samoobrazovanie; zametki konsul'tanta ob opyte samostoiatel'nogo izucheniia marksistsko-leninskoi teorii. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 63 p. (Bibliotechka partiinogo prosveshcheniia)

[MICROFILM]

TULA PROVINCE—MACHINERY INDUSTRY—MANAGEMENT

Amvrosiev, O.N. [Equipment should have a full load; ways for increasing the shift coefficient for the working of equipment in the machinery industry of Tula Province] Oborudovaniiu - polnuiu nagruzku; puti povysheniia smennosti raboty oborudovaniia v tul'skom mashinostroenii. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 30 p.

[MICROFILM]

TULIN—HYDROLYSIS

Reducing sulfuric acid consumption. I.P.Dotsenko, M.S.Tambovtseva. Gidroliz.i lesokhim.prom. 17 no.3:21-22 '64.

TULIPS see subdivision under Armenia

TUMORS

Some problems in the resistance of tumors to chemical preparations. S.A.Papoian. Vop.rent.i onk. 7:155-161 '63.

TUMORS—TRANSPLANTATION

Changes of the reactivity of the organism under the influence of the growth of transplanted tumors. Z.I. Sobieva. Pat.fiziol.i eksp.terap. 6 no.4:75-78 Jl-Ag '62.

Effect of human papilloma virus extracts on rabbit endothelial explants. M.P.Prokhov. Vop.onk. 9 no.8:34-41 '63.

Problem of heterotransplantation of tumors in man. S.A Papoian, I.G.Demirchoglian Vop.rent.i onk. 7:146-153 '63.

TUNA FISH

Osipov, V.G., I.V.Kizevetter, and A.V.Zhuravlev. [Tuna fish and swordfish of the Pacific and Indian Oceans] Tuntsy i mecheobraznye Tikhogo i Indiiskogo okeanov. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964 72 p

TUNDRAS

(see also subdivision under Omoloy Valley, Yana Valley)

Problems of forest-tundra in the biogeography and the ways of the reclamation of forest-tundra areas, all-Union symposium of December 9-15, 1963 in Leningrad. E.V.Dorogostaiskaia. Bot.zhur. 49 no.7:1088-1092 Jl '64.

TUNGSTATES

High temperature synthesis and some properties of neutral tungstates of yttrium, lanthanum, and lanthanides V.E.PlIushchev, V M Amosov. Dokl.AN SSSR 157 no 1 131-134 Jl '64

TUNGSTEN

Bismuth in tungsten deposits. A.M.Bybochkin and others. Razved.i okh.nedr 30 no.2:10-15 F '64.

TUNGSTEN—ANALYSIS

Determination of tungsten and molybdenum present together. A.F.Nemirovskaia, L.N.Keremedzhidi, N.I. IAshina. Trudy NPI 143:55-62 '63.

TUNGSTEN—ELECTRIC PROPERTIES

Field emission of a system of tungsten wedges. E.G. Shirokov. Radiotekh.i elektron 9 no.7:1320-1321 Jl '64.

TUNGSTEN ALLOYS—ELECTRIC PROPERTIES

Theory on the effect of impurities on the thermoelectron emission of tungsten. K.P Gurov, A.I Pekarev. Fiz. met.i metalloved 17 no.4:500-504 Ap '64.

TUNGSTEN BROMIDE

Heats of formation of WBr_6 and WBr_5. S.A.Shchukarev, G.A.Kokovin. Zhur.neorg.khim. 9 no.6:1309-1315 Je '64.

TUNGSTEN CARBIDES

Remarks on experimental data from the study of the thermodynamics of Mo_2C and WC. V.I.Alekseev, L.A. Shvartsman. Izv.AN SSSR.Met.i gor.delo no.2:180-185 Mr-Ap '64.

TUNGSTEN CARBIDES—TESTING

Effect of high pressures and temperatures on tungsten monocarbide. L.Kh.Pivovarov and others. Fiz.met. i metalloved. 17 600-607 Ap '64.

TUNGSTEN CRYSTALS

Structure of an adsorbed barium film on the face (110) of a tungsten single crystal. D.A.Gorodetskii, A.M. Kornev, IU.P.Mel'nik. Izv.AN SSSR.Ser.fiz. 28 no.8:1337-1339 Ag '64

Use of the colored etching method in studying the activity of tungsten crystal faces relative to oxygen O.V.Mitrofanov. Kristallografiia 8 no.2:229-231 Mr-Ap '63.

TUNGSTEN ISOTOPES

Measurement of the gyromagnetic ratios of nuclei in the excited state. A.K.Val'ter and others Ukr fiz.zhur. 8 no.9:935-946 S '63

TUNGSTEN-MOLYBDENUM ALLOYS see Molybdenum-tungsten alloys

TUNNEL LININGS

Improving the bearing strength and the waterproofness of tunnel linings by pressure mortar. A.I.Kurashvili, V E.Stepanian Transp.stroi 14 no.1:46-48 Ja '64

TUNNELING

(see also subdivision under Moscow)

Hydraulic excavators for trenchless pipe laying and tunneling. N.V.Vasil'ev, M.M.Markovich. Mekh. stroi. 20 no.7:24-27 Jl '63.

Mechanized tunneling shield. M.Vasiun'kin, S.Korol'kov. Vnesh.torg. 44 no.7:44-45 '64.

Shields with horizontal platforms for tunneling in sandy ground. V.A Khodosh. Transp.stroi. 14 no.1:22-25 Ja '64

They know no obstacle. P.A.Chasovitin. Transp.stroi. 14 no.1:22-23 Ja '64.

TUNNELS—DESIGN AND CONSTRUCTION

Instructions on designing hydraulic tunnels. Biul.stroi. tekh. 20 no.7:32-33 Jl '63.

TURBINES

Choice of optimum standard dimensions of turbine units of thermal electric power plants in electrical systems. V.I.Kirpichev. Sbor.rab.po vop.elektromekh. no.10: 53-59 '63.

Decrease in the aeration of turbine oil. S.G.Smel'nitskii, V.N.Kazanskii, P.A.Ruchnov. Elek.sta. 35 no.5:84-85 My '64.

Lemniscate method for constructing the profiles of subsonic lattices M E Deich, G A Filippov V Nauman Teploenergetika 11 no 7 74-78 Jl '64

Manufacture of turbines in the U S.S.R and its perspective growth A V Shchegliaev Teploenergetika 10 no 12 20-26 D '63

Measurement of thermal stresses in a welded diversified shaft using high-temperature tensiometers E IU Nekhendzi, V N Egerman Energomashinostroenie 10 no 5 19-24 My '64

Plastic turbines and the area in which they are used. TS.M.Matevosian. Trudy VNIIBT no.7:63-86 '63

Profiling of turbine stages taking into account distortion of current lines in the meridial plane IU I Shvets Teploenergetika 11 no 7 37-40 Jl '64

TURBINES—ABSTRACTS

[Turbine manufacture] Ref.zhur.' Turbostr. nos.7-8 Jl-Ag '64. Predmetnyi ukazatel' za 1963 g.

TURBINES—AERODYNAMICS

Experimental investigation of the effect of the partiality and height of blades on the performance of centripetal microturbine N T Tikhonov Izv vys ucheb zav , av tekh 6 no 4 139-149 '63

TURBODRILLS

Automatic control of the rotation speed of a turbodrill shaft B A Grachev Neft khoz 42 no 6 8-11 Je '64.

Core assembly for TS4-5" turbodrills. V G.Dzema. Mash.i neft.obor. no.4:37 '63.

Determining the practical depth for using super-turbodrill whipstocks taking into consideration the effective disintegration of rocks on the bottom and the full realization of turbodrill power A A.Akhmedov, T G Faradzhev, S A Nazirov Izv vys ucheb.zav , neft' i gaz 5 no.10 27-33 '62

Durability of the parts of the upper supporting unit of turbodrills. S.A Ganelina, N I.Melik-Gaikazova. Trudy VNIIBT no.7:87-110 '63.

Effect of the mechanical speed of turbine drilling on the round-trip speed and the cost of lm of footage. G.S. Barshai. Trudy VNIIBT no.7:136-155 '63.

Experimental investigations of the working characteristics of the turbodrills on a turbobit bench designed by the All-Union Scientific Research Institute for Drilling Technology. V L.Il'skii. Trudy VNIIBT no.7:3-15 '63.

Investigating the effectiveness of the use of flywheels under a turbodrill. A.N.Adamov. Trudy VNIIBT no.7:25-38 '63.

Kinematic diagrams of the flow-through section for turbodrill turbines. B.G.Liubimov. Trudy VNIIBT no.7:119-135 '63.

Monitoring the conditions of turbine drilling. V.P. Varlamov. Trudy VNIIBT no.7:15-24 '63.

Off-center coupling of two parts. Kh.L.Abiian. Mash.i *neft.obor. no.4:16-19 '63.*

Plastic turbines and the area in which they are used. TS.M.Matevosian. Trudy VNIIBT no.7:63-86 '63.

Rolling support in a turbodrill. D.G.Malyshev. Trudy VNIIBT no.7:110-119 '63.

Using turbines with falling pressure lines and axial drill pumps. L.S.Glikman, IU.R.Ioanesian, R.A. Ioannesian. Neft.khoz. 41 no 2:13-19 F '63.

TURBOGENERATORS

(see also subdivision under Kharkov)

Determination of the frequency characteristics of turbogenerators. E IA Kazovskii, E G Kasharskii, A.M. Volkov Elektrotekhnika 35 no 5:1-6 My '64.

Effect of the parameters of excitation systems on the static and dynamic stability of turbogenerators with forced cooling. V.E.Kashtelian and others. Sbor.rab. po vop.elektromekh. no.10 153-167 '63.

Modeling of the damping action of the rotor mass of a turbogenerator. I.A Glebov, V.E.Kashtelian. Sbor. rab.po vop.elektromekh. no.10.175-186 '63.

Redesigning of turbogenerator rotor bindings. IU.I. Azbukin. Elek.sta 35 no.5:83-84 My '64

Theoretical calculation of geometrical parameters of cascades of profiles used in reversible turbogenerator units. I.L.Loitsianskaia. Izv.AN SSSR.Mekh i mashinostr. no 4:165-168 Jl-Ag '64.

Use of prefabricated concrete structures for the foundation of 100 Mw.turbogenerators. S.I.Krest'ianinov. Energ.stroi. no.33:26-32 '63.

TURBOMACHINES

Kirillov, I.I. [Theory of turbomachines] Teoriia turbomashin. Moskva, Mashinostroenie, 1964. 510 p.

TURBOMACHINES—FLUID DYNAMICS

Formulation of two-dimensional problems of a vortex flow of the compressible fluid in turbomachines. IA.A. Sirotkin. Inzh.zhur. 4 no.2:254-262 '64.

TURBULENCE

Turbulent mixing of waters in the case of tidal currents. V.F Shapkina. Izv.AN SSSR.Ser.geofiz. no.8:1223-1231 Ag '64.

TURCHANINOV, NIKOLAI STEPANOVICH, 1796-1863

Life and work of the outstanding Russian botanist-systematist N S Turchaninov (1796-1863), on the occasion of the 100th anniversary of his death S IU Lipshits Bot zhur 49 no 5 752 766 My '64

TURGENEV, IVAN SERGEEVICH, 1818-1883

Pustovoit, P.G. [I.S. Turgenev's novel "Fathers and sons", literary commentary. A teacher's text] Roman I.S. Turgeneva "Ottsy i deti", literaturnyi kommentarii. Posobie dlia uchitelia. Moskva, Prosveshchenie, 1964 204 p.

Study and publication of I S Turgenev's manuscripts F M Khmelevskaia N A Khmelevskaia Vest AN SSSR 34 no 7 81-87 Jl '64

Turgenev, I V. [From the Paris archives of I. S Turgenev] Iz Parizhskogo arkhiva I S. Turgeneva. Red. I. I. Anisimov i dr Moskva, Izd-vo "Nauka "
Book 1 [Unknown works of I S Turgenev] Neizvestnye proizvedeniia I S Turgeneva 1964 581 p (Literaturnoe nasledstvo, vol. 73)

TURIN—FLORICULTURE—EXHIBITIONS

International flower exhibitions in Holland and Italy. K. A. Sobolevskaia. Izv. Sib. otd. AN SSSR no. 10:139-141 '62.

TURKESTAN RANGE—COAL GEOLOGY

Coal potential of Devonian sediments in the Turkestan Range (southern Tien Shan) V.L. Leleshus. Dokl. AN SSSR 156 no 6:1347-1350 Je '64.

TURKEY—DESCRIPTION AND TRAVEL

A month in one day, travel diary. Translated from the Azerbaijani by T. Kaliakina. Mekhti Gusein. Nov mir 40 no 2:140-167 F '64.

TURKEY—ECONOMIC CONDITIONS

More concern for "little America " I Starkov Az i Afr seg 8 no 7 27-28 Jl '64

TURKEY—LAND TENURE

Turkey, Reform or hunger? P Moiseev Az i Afr seg. 8 no 6 10-12 Je '64

TURKIC LANGUAGES

Reflection of the special phonetic features of the Turkic languages in the works of the Arabic philologists from the 11th through the 14th century. Z. B. Mukhammedova Izv AN Turk. SSR. Ser. obshchestv nauk no. 1 61-65 '64

TURKMEN LANGUAGE—FOREIGN WORDS AND PHRASES

Enrichment of the sociopolitical terminology of the Turkmen language by Soviet international loan words. M. S. Kharlanova. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1 66-73 '64

TURKMENISTAN

Kuznetsov, IU. M. [Friends on five continents] Druz'ia na piati kontinentakh Ashkhabad, Turkmenskoe izd-vo, 1963. 190 p. illus

TURKMENISTAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Training of the leaders and the mass of the agricultural labor force in the Turkmen S. S. R. O. Saparov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1 14-23 '64.

TURKMENISTAN—AGRICULTURE

Agriculture in the Turkmen S S R., 1946-1955. T. Durdyev. Izv. AN Turk. SSR. Ser. obshchestv nauk no. 1,3-13 '64.

TURKMENISTAN—ANTIQUITIES

Chagylly-depe. O. Berdyev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1:89-95 '64.

TURKMENISTAN—CITY PLANNING

Complex geographical regionalization of Turkmenia for purposes of the construction of cities. A. Esenov. Izv. AN Turk SSR. Ser fiz. -tekh., khim. i geol. nauk no. 2 64-69 '63

TURKMENISTAN—CLAY

Mineralogical characteristics of clay rocks in Turkmenistan. A. F. Kovalenko, B. N. Vinogradov. Izv. AN Turk. SSR Ser. fiz. -tikh., khim. i geol. nauk no 2:70-78 '63.

TURKMENISTAN—CODLING MOTH

Recent data on the codling moth in Turkmenistan. N.G. Berdyeva. Biul. nauch. -tekh. inform. Turk. nauch. -issl. inst. zem za 1963 g. :41-43

TURKMENISTAN—COTTON—VARIETIES

The new 9078-I fine-fiber Soviet cotton variety, resistant to fusarium wilt. K.I. TSinda. Biul. nauch. -tekh. inform. Turk. nauch. -issl. inst. zem. za 1963 g. :17-21

TURKMENISTAN—COTTON BREEDING

Effect of developmental conditions on the segregation of cotton hybrids. K.N. Kurtgel'dyev. Biul. nauch. -tekh. inform. Turk. nauch. -issl. inst. zem. za 1963 g. :22-28

TURKMENISTAN—COTTON GROWING—ECONOMIC ASPECTS

Consumption of mechanical energy and growth of the work mechanization rate in cotton raising. I. P. Gelenova. Biul. nauch. -tekh. inform. Turk. nauch. -issl. inst. zem. za 1963 g. :54-58

TURKMENISTAN—ECONOMIC GEOGRAPHY

Economic geography and several problems of the industrial development of southern Turkmenistan E E Leizerovich Izv Vses geog ob-va 96 no 3 206-212 My-Je '64.

TURKMENISTAN—FARM MECHANIZATION

Consumption of mechanical energy and growth of the work mechanization rate in cotton raising I P. Gelenova. Biul. nauch. -tekh. inform. Turk nauch -issl. inst. zem za 1963 g. 54-58

TURKMENISTAN—GAS, NATURAL—GEOLOGY

Prospects for finding oil and gas in Jurassic sediments in the eastern regions of the Turkmen S. S. R K. K Mashrykov and others Izv. AN Turk. SSR Ser. fiz. -tekh , khim i geol nauk no. 2:79-87 '63

TURKMENISTAN—HISTORY

Information on Turkmen and Turkmenistan of the first third of the 18th century in the works of Muhammad Kazim. M Annanepesov, S. Khatibi. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1:24-33 '64.

Kurbanov, L. A. [Soviet Turkmenistan, an historical essay] Sovetskaia Turkmeniia, istoricheskii ocherk. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. I Seriia. Istroiia, no. 15)

TURKMENISTAN—HYDROCARBONS

Basic trends in the utilization of saturated high molecular weight hydrocarbons of western Turkmenian petroleums as a chemical raw material. S. R. Sergienko, V. A. Garbalinskii, B. A. Taimova. Izv. AN Turk. SSR. Ser fiz. -tekh , khim i geol. nauk. no. 2: 30-33 '63.

TURKMENISTAN—MOLLUSKS, FOSSIL

Tolstikova, N. V. [Mollusks of the Alay and Turkestan formations of the Badkhyz] Molliuski alaiskikh i turkestanskikh sloev Badkhyza. Moskva, Izd-vo "Nauka," 1964. 121 p. illus.

TURKMENISTAN—PETROLEUM GEOLOGY

Forward to the sea I. Osipov. Nov. mir. 40 no. 4:172-185 Ap '63

Prospects for finding oil and gas in Jurassic sediments in the eastern regions of the Turkmen S. S. R. K. K. Mashrykov and others. Izv. AN Turk SSR. Ser. fiz. -tekh., khim. i geol. nauk no 2,79-87 '63

TURKMENISTAN—PISTACHIO

Raising pistachio in the Turkmen S S. R. E. A Kliushkin. Trudy Inst. bot AN Turk. SSR no. 4:127-152 '58

TURKMENISTAN—RUSSIAN LANGUAGE—STUDY AND TEACHING

Turkmen S. S. R. Ministerstvo narodnogo obrazovaniia. [Russian language programs for grades 2-8 of Turkmenian schools] Programmy po russkomu iazyku dlia II-VIII klassov turkmenskoi shkoly. Ashkhabad, Turkmenuchpedgiz, 1963. 71 p.

TURKMENISTAN—SEISMIC PROSPECTING

Some results in using the controlled directional sensitivity method in southeastern Turkmenia. F. M. Mirkhamidov. Izv. AN Turk. SSR. Ser. fiz. -tekh., khim. i geol. nauk no 2:44-49 '63.

TURKMENISTAN—SOILS—MAPS

Making agricultural soil maps of the lands of the Republic irrigated in the remote past. M.K. Charyev. Biul. nauch. -tekh. inform. Turk. nauch. -issl inst. zem. za 1963 g :3-6

TURNING

Effect of cutting conditions on the radial wear of cutting tools in fine steel turning. A. P. Dobrorez. Vest. mashinostr. 43 no. 12:51-54 D '63.

TURPENTINE INDUSTRY

Operating wood rosin digesters. A.I. Kolesov. Gidroliz. i lesokhim. prom. 17 no. 3:26-27 '64.

TURPENTINING

(see also subdivision under Latvia; Ukraine)

Mechanization of the labor-consuming work of tree tapping G.B. Olovenikov. Gidroliz. i lesokhim. prom. 17 no. 3:10-11 '64.

TUYMAZY OIL FIELD—EARTH TEMPERATURE

Geothermal characteristics of the Tuymazy oil field Selim Zeidan Geol. nefti i gaza 7 no 12 29-34 D '63.

TUYMAZY OIL FIELD—OIL FIELD FLOODING

Millionaire oil well. E.M. Khalimov. Neft. khoz. 41 no. 2:61-62 F '63.

TUYMAZY OIL FIELD—OIL WELL COMPLETION

Certain features in the completion of the Tournasian producing object in the Aleksandrovka Area of the Tuymazi oil field. K. S. Batmukhametov, R. IA. Nugaev. Nefteprom. delo no. 7:10-12 '64.

TUYMAZY OIL FIELD—PETROLEUM GEOLOGY

Geothermal characteristics of the Tuymazy oil field. Selim Zeidan Geol. nefti i gaza 7 no 12 29-34 D '63

TUYMAZY OIL FIELD—PETROLEUM PRODUCTION

Simultaneous-separate exploitation of two strata in one well in the Tuymazy oil field R IA. Nugaev, K. S Batmukhametov Neft khoz 42 no 7 64-66 Jl '64

TWIST (DANCE)

With the "standard" atilt. L. Shkol'nikov. Mol. komm. no. 2:115-122 F '64.

TYPHOONS

Into a typhoon. A Starykh. Starsh. -serzh. no. 7:4-5 Jl '64

TYROSINE

Study of tyrosine metabolism as related to age. G. G. Gatsko. Vestsi AN BSSR. Ser. biial. nav. no. 4:133-134 '62.

TYUMEN' PROVINCE—WATER, UNDERGROUND

Characteristics of the hydrogeological conditions of continental sediments in Tyumen' Province. V. V. Neliubin. Mat. Kom. po izuch podzem. vod Sib. i Dal' Vost. no. 2:37-43 '62

U BA SAW, 1914-

People and events: Etsusaburo Shiina, U Ba Saw, Alejandro Lastra. Nov vrem 22 no 32 9, 16, 21 Ag '64

UBOREVICH, IERONIM PETR, 1896-1937

Two army commanders A Kadishev Nov. mir 40 no. 4 259-260 Ap '64

UDMURT A. S. S. R.—AERONAUTICAL SPORTS

Concord. M. Lebedinskii Kryl. rod. 15 no. 5:23-24 My '64.

UDMURT A. S. S. R.—AGRICULTURE—CONGRESSES

Izhevsk. Sel'skokhoziaistvennyi institut. [Materials of scientific conferences] Materialy nauchnykh konferentsii. Izhevsk.
No. 9. [Agronomy] Agronomiia. 1961. 153 p. (DNAL)

UDOMLYA (KALININ PROVINCE)—EMBEZZLEMENT

The silent men of Udomlya. P. Dudochkin. Sov. profsoiuzy 20 no. 15:48 Ag '64.

UDOMLYA (KALININ PROVINCE)—EMPLOYEES, DISMISSAL OF

The silent men of Udomlya. P. Dudochkin. Sov. profsoiuzy 20 no 15 48 Ag '64

UGLICH REGION (YAROSLAV PROVINCE)—GEOLOGY, STRUCTURAL

Glacial dislocations in the vicinity of Uglich and their place among the types of glacial tectonics. A.A. Velichko. Biul. Kom. chetv. per. no. 29:90-101 '64.

UGLICH REGION (YAROSLAV PROVINCE)—GLACIAL EPOCH

Glacial dislocations in the vicinity of Uglich and their place among the types of glacial tectonics. A.A. Velichko. Biul. Kom. chetv. per. no. 29:90-101 '64.

UGLICH REGION (YAROSLAVL PROVINCE)—HISTORY

Rusinov, N.D., ed. [Research and materials on the history of the Uglich region in the Upper Volga Valley] Issledovaniia i materialy po istorii Uglichskogo Verkhnevolzh'ia. Uglich, Uglichskii kraevedcheskii muzei.
No. 1. 1957. 37 p.
[MICROFILM]

UKHTA (KOMI A. S. S. R.)—HOUSING FOR PHYSICALLY HANDICAPPED

Collective as a teacher. E. Puzanov. Sots. obesp. 24 no. 12:42-43 D '63.

UKLONSKII, ALEKSANDR SERGEEVICH, 1888-

Aleksandr Sergeevich Uklonskii; on his 75th birthday. Uzb. geol. zhur. 7 no. 6:103-104 '63.

UKRAINE—ACCOUNTING—STUDY AND TEACHING

First interregional school of progressive accounting practice. Bukhg uchet 20 no. 12:70-74 D '63

UKRAINE—AGRICULTURAL ADMINISTRATION

Militant tasks of the rural workers. Komm. Ukr. 39 no. 5:41-49 My '64.

UKRAINE—AGRICULTURE

Use all forces in the fulfillment of the program for intensifying agriculture. Komm. Ukr. 39 no. 3:3-13 Mr. '64.

UKRAINE—AGRICULTURE—STUDY AND TEACHING

In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 42 no. 4:111-112 Ap '64.

UKRAINE—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

[Construction economics of large-panel residential buildings in the Ukrainian S. S. R.] Ekonomika stroitel'stva krupnopanel'nykh zhilykh domov v Ukrainskoi SSR. [By] L. A. Kaspin i dr. Kiev, Izd-vo "Budivel'nyk," 1964. 223 p.

UKRAINE—ASCARIDS AND ASCARIASIS

Results of the treatment of ascariasis with a single administration of piperazine adipinate in the Ukrainian S.S.R. M.K.Gritsai. Med.paraz.i paraz.bol. 32 no.4:394-396 Jl-Ag '63.

UKRAINE—BEEF CATTLE—FEEDING AND FEEDS

Fattening cattle on specialized farms. E.Klots Ekon sel'khoz. 35 no 6 112-114 Je '64

UKRAINE—BIOLOGICAL RESEARCH

Organizing overall studies on the physicochemical foundations of the vitality of organisms and on the modeling of enzymatic and similar processes and their use in chemical technology. Dop.AN URSR no 8,1121 '64.

UKRAINE—CATTLE

Correlate correctly the rates of productivity increase and the cattle stock L Shchepot'ko. Ekon sel'khoz 35 no 6 85-89 Je '64

UKRAINE—CHEMICAL INDUSTRIES—FINANCE

Utilize the capital investments in large-scale chemistry efficiently. V.Bibikov Komm.Ukr. 39 no 5:50-57 My '64.

UKRAINE—COAL PREPARATION

Expansion of coal preparation operations in the Ukraine A.M.Kotkin. Ugol' Ukr. 7 no.9:1-7 S '63

UKRAINE—CORN (MAIZE)—DISEASES AND PESTS

Effectiveness of corn disinfectants as related to the moisture and temperature of soil in the period from planting to sprouting. N.V.Ladyzhenskaia, L.A. Gulidova, T.P.Skazkina. Khim.v sel'.khoz. 2 no.4: 25-29 Ap '64.

UKRAINE—DRUGSTORES

Advertising in pharmacies as an efficient measure for improving the service for the population I M Hubs'kyi Farmatsev. zhur. 16 no 1:75-78 '61.

Brief news and information. Farmatsev.zhur. 16 no.1: 80-91 '61

Some considerations on planning state pharmacies. IA. A. Honcharenko. Farmatsev. zhur. 18 no. 5:62-66 '63.

UKRAINE—ECONOMICS—STUDY AND TEACHING

Economics faculty attached to the ministry. E.Sakharov Fin.SSSR 38 no.6:50-53 Je '64

UKRAINE—ELECTION LAW

Ukraine. Laws, statutes, etc. [Statute on election to the Supreme Soviet of the Ukrainian S.S.R. Approved by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R. on December 12, 1950. As amended and supplemented by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R. on January 11, 1963] Polozhenie o vyborakh v Verkhovnyi Sovet Ukrainskoi SSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Ukrainskoi SSR ot 12 dekabria 1950 goda. S izmeneniiami i dopolneniiami, vnesennymi Ukazom Prezidiuma Verkhovnogo Soveta Ukrainskoi SSR ot 11 ianvaria 1963 goda. Kiev, Gospolitizdat USSR, 1963. 22 p.

UKRAINE—FERTILIZERS AND MANURES

Organization of the production and testing of biomineral fertilizers on collective and state farms of the Ukrainian S.S.R. Dop.AN URSR no.8:1120-1121 '64.

UKRAINE—GEOGRAPHY—CONGRESSES

The First Congress of the Geographers of the Ukrainian S.S.R. A.M.Marinich. Izv.AN SSSR.Ser.geog. no.4: 156-158 '64.

UKRAINE—GEOLOGY, STRATIGRAPHIC

Age of the Kuzya series of the Rakhov Massif. A.K Boiko and others. Dop.AN URSR no.8:1095-1098 '64.

UKRAINE—HEALTH RESORTS, WATERING PLACES, ETC.

Karaov, R.G., and L.S. Larichev. [Health resorts of the Ukraine; manual for medical selection of sanatorium and health resort treatment] Kurorty Ukrainy; posobie po meditsinskomu otboru na sanatorno-kurortnoe lechenie. Kiev, Zdorov'e, 1964. 224 p.

UKRAINE—HIDES AND SKINS—MARKETING

Seminar for fur farmers and the purchasing officials of consumers' cooperatives of the Ukraine. P.Kalgorodov Zakup.sel'khoz.prod no.1:68 Ja '64.

UKRAINE—HISTORY

For a scholarly study of the history of Ukrainian cities and villages. P.Tron'ko. Komm.Ukr. 39 no.5:67-76 My '64.

UKRAINE—LABRADORITE

Origin of labradorites in the Ukraine. IU.Ir.Polovinkina. Trudy Lab.geol.dokem. no.19:262-288 '64.

UKRAINE—MINERALS IN FOOD

Content of some trace elements in food rations of the population in the central zone of the Ukraine. R.D. Gabovich, O.A.Kul'skaia. Vop.pit. 23 no.1:60-66 Ja-F '64.

UKRAINE—ONCOLOGICAL SOCIETIES

Report on the activity of the republic board and the provincial scientific medical societies of oncologists of the Ukraine for 1962. N G.Znachkovskii, I F.IUnda. Vop.onk. 10 no.3:122-125 '64.

UKRAINE—PALEONTOLOGY, STRATIGRAPHIC

Natural conditions of the southern Ukraine in the Pliocene G.I.Moliavko. Prirod.obst i fauny prosh. no 1,97-101 '63.

UKRAINE—PEDDLERS AND PEDDLING

Slabieiev, I.S. [From the history of the primitive accumulation of capital in the Ukraine, peddling and its role in the social and economic development of the Ukraine from the 18th to the first half of the 19th century] Z istorii pervisnoho nahromazhdeniia kapitalu na Ukraini, chumats'kyi promysel i ioho rol' u sotsial'no-ekonomichnomu rozvytku Ukrainy XVIII-pershoi polovyny XIX st. Kyiv, Naukova dumka, 1964. 135 p.

UKRAINE—PETROLEUM INDUSTRY—FINANCE

Akademiia nauk URSR, Kiev. Instytut ekonomiky. [Development of the oil and gas industry of the Ukrainian S.S.R. and the efficiency of capital investments] Razvitie neftianoi i gazovoi promyshlennosti USSR i effektivnost' kapital'nykh vlozhenii. Kiev, Naukova dumka, 1964. 210 p.

UKRAINE—PHARMACOLOGICAL SOCIETIES

Report on the activity of the Kharkov Branch of the Ukraine Pharmacological Society for 1962 N S. Kharchenko. Farm.i toks. 26 no.5 636-637 S-O '63.

UKRAINE—PHARMACY

Development of pharmacy in the Ukraine from the mid-17th century to the early 19th century V D Otamanovs'kyi. Farmatsev zhur 18 no 5:48-57 '63

UKRAINE—PIONEERS (COMMUNIST YOUTH)

Let's introduce the data of educational research into school work. V.I.Pylypenko. Rad.shk. 42 no.4 38-41 Ap '64.

UKRAINE—POPLAR—DISEASES AND PESTS

Poplar pests in the eastern part of the Ukraine and Crimea. G.A.Timchenko, A.G.Treml' Ent.oboz 42 no.4:793-810 '63

UKRAINE—PRECAST CONCRETE CONSTRUCTION

[Construction economics of large-panel residential buildings in the Ukrainian S.S.R.] Ekonomika stroitel'stva krupnopanel'nykh zhilykh domov v Ukrainskoi SSR. [By] L.A.Kaspin i dr. Kiev, Izd-vo "Budivel'nyk," 1964. 223 p.

UKRAINE—PRESS AND PROPAGANDA

The press as a mighty weapon in the struggle for communism. V.Semechov, V.Kovtun Komm.Ukr. 39 no.5:77-85 My '64.

UKRAINE—RAIN AND RAINFALL

Vyshnevs'kyi, P.F. [Showers and shower runoff in the Ukraine] Zlyvy i zlyvovyi stik na Ukraini. Kyiv, Naukova dumka, 1964. 288 p.

UKRAINE—RITES AND CEREMONIES

Open a wide road for new traditions. A.Dubina Komm. Ukr. 39 no.5:93-96 My '64

UKRAINE—RUNOFF

Vyshnevs'kyi, P.F. [Showers and shower runoff in the Ukraine] Zlyvy i zlyvovyi stik na Ukraini. Kyiv, Naukova dumka, 1964. 288 p.

UKRAINE—STEEL—METALLURGY

Steelmaking in the Ukrainian S.S.R. during the first three years of the current seven year plan. I.I.Bornatskii. Met.i gornorud.prom. no.6:8-11 N-D '62.

UKRAINE—TEACHERS, TRAINING OF

In the Ministry of Education of the Ukrainian S S.R. Rad.shk. 42 no.4:111-112 Ap '64.

UKRAINE—TECHNICAL EDUCATION

[Handbook for students entering specialized secondary educational institutions of the Ukrainian S.S.R. in 1964] Dovidnyk dlia vstupnykiv do serednikh spetsial'nykh uchbovykh zakladiv Ukrains'koi RSR na 1964 rik. Kharkiv, Vyd-vo Kharkivskoho derzh.univ., 1964. 258 p.

UKRAINE—THEATER

Frank with friends. A.Anastas'ev. Teatr 24 no.8: 41-50 Ag '63

UKRAINE—THEATER—PRODUCTION AND DIRECTION

Not a recipe, but searching. M.Korbina. Teatr 24 no.8:109-110 Ag '63.

UKRAINE—TRADE UNIONS

Trade unions and workers' education. V.Klimenko. Part.zhizn' no.15:28-34 Ag '64.

UKRAINE—TRADE UNIONS—OFFICERS

The instructor on a business trip. E.Sugak. Sov.profsoiuzy 20 no 14:34-35 Jl '64

UKRAINE—TURPENTINING

Prospects for pine tapping in the Ukraine G A Gavrin'. Gidroliz i lesokhim.prom 17 no.3 28-29 '64

UKRAINE—VEGETABLE GARDENING

Hidden possibilities of increasing the production of vegetables should be utilized more fully A Pa[illegible]nko Komm Ukr 39 no 3,86-88 Mr '64

UKRAINE—WIREWORMS—EXTERMINATION

Effectiveness of corn disinfectants as related to the moisture and temperature of soil in the period from planting to sprouting. N V Ladyzhenskaia, L A Gulidova, T.P Skazkina Khim.v sel' khoz 2 no 4 25-29 Ap '64

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Bugrov, N N. [Raid across the Dnieper] Reid v Zadneprov'e Moskva, Voenizdat, 1964 125 p (Geroicheskoe proshloe nashei Rodiny)

UKRAINE, WESTERN—DRUGSTORES

House pharmacies. A H Tertyshnyk Farmatsev zhur 18 no 5 57-59 '63

UKRAINE, WESTERN—ROTATION OF CROPS

Crop rotations in the western areas of the Ukraine V G Lapchuk Zemledelie 26 no 6 17-24 Je '64

UKRAINIAN LANGUAGE—DIALECTS see subdivision under Transcarpathia

UKRAINIAN LANGUAGE—IDIOMS, CORRECTIONS, ERRORS

Kovaliv, P.K. [Purity and correctness of the Ukrainian literary language] Chystota i pravyl'nist' ukrains'koi literaturnoi movy. Vyd.2. Washington, 1962. 33 p. (InU)

UKRAINIAN LITERATURE—CHRESTOMATHIES AND READERS

[Chrestomathy of Ukrainian literature for the tenth grade of secondary schools] Khrestomatiia z ukrains'koi literatury dlia desiatoho klasu seredn'oi shkoly. Vyd. 14. Kyiv, Radians'ka shkola, 1957. 463 p. (NNC)

UKRAINIAN LITERATURE—STUDY AND TEACHING

Vasylenko, A S , and B.M. Mizernyts'kyi, comp. [Ukrainian literature; a textbook for grade 7 of the eight-year school] Ukrains'ka literatura, pidruchnyk dlia 7 klasu vos'myrichnoi shkoly. Vyd.4 Kyiv, Radians'ka shkola, 1963. 390 p

UKRAINIANS see subdivision under Canada

UL'IANOV, DMITRII IL'ICH, 1874-1943

Dmitrii Il'ich Ul'ianov, on the 90th anniversary of his birth. B.I.Vol'fson. Vop.ist.KPSS 8 no.9,89-95 S '64.

ULTRABASITE see subdivision under Aldan Plateau

ULTRASONIC METAL CUTTING

Nerubai, M.S. [Cutting of heat-resistant and titanium alloys using ultrasonics] Rezanie zharoprochnykh i titanovykh splavov s pomoshch'iu ul'trazvuka. Pod red. N.I.Reznikova. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 42 p. (Novoe v tekhnike)

ULTRASONIC TESTING

Using ultrasound for testing structural elements N G Smolenskaia. Sbor nauch rab.AKKH no 16 79-83 '62

ULTRASONIC TESTING—CONGRESSES

Conference on ultrasonic testing. A A Ponomarev. Avtom svar 17 no 7 93 Jl '64

ULTRASONIC WAVES

Activity of Pt blacks prepared in the ultrasonic field from H_2PtCl_6 solutions of various concentrations. Li Ven'chzhou [Li Wên-chou]. A M Mal'tsev, N.I.Kobozev Zhur.fiz.khim. 38 no.2:439-441 F '64

Complexes of protein molecules with polyanions and the effect of ultrasonic waves on them F I. Braginskaia, I.E.El'piner Biofizika 8 no.1 34-39 '63

Diffraction and Fresnel's formulae for ultrasonic waves. Part 1. T.P Vasil'ieva. Ukr.fiz.zhur. 8 no.9:979-989 S '63.

Diffraction and Fresnel's formulae for ultrasonic waves. Part 2. T.P.Vasil'ieva. Ukr.fiz.zhur. 8 no.9:990-998 S '63.

Hydrogen bonding and the rate of the propagation of ultrasound in liquids. Part 1 [with summary in English]. A.E.Lutskii, V.N.Solon'ko. Zhur.fiz.khim. 38 no.2:415-422 F '64.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Application of acoustic vibrations for the production of finely dispersed emulsions. K.B.Kotliarevskaia, E.A.Maier, B.P.Kondratenko. Kozh.-obuv.prom. 6 no.7:27-30 Jl '64.

Decomposition of the residual austenite of KhVG steel under the effect of ultrasonic vibrations E G Aizentson, P A.Malinin, A I Uvarov. Fiz met i metalloved 17 no 5 777-779 My '64.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS (Continued)

Effect of ultrasonic waves on the formation of carbide grains during the quenching of hardened carbon steel I. G. [illegible] and others Fiz met i metalloved 17 no 4:624-627 Ap '64

Role of cavitation phenomena during the crystallization of metals in a field of elastic vibrations O V Abramov I I Teumin Fiz met i metalloved 17 no 5 786-789 My '64

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves of low frequency on rennin S Kh Nikolov Nauch trudy Kub gos med inst 19 120-129 '62

Effect of ultrasonic waves on the colloidal properties of the human blood serum F S Okolov and others Nauch trudy Kub gos med inst 19:111-119 '62

ULTRASONIC WAVES—THERAPEUTIC USE

Studies on the mechanism of therapeutic effects of ultrasonic oscillations in experimental joint injuries. V.I. Rokitanskii Pat. fiziol i eksp. terap. 6 no. 4 79-80 Jl-Ag '62.

ULTRASONIC WELDING

Formation of joints in the ultrasonic welding of metals I I Gufel'd, M.I Matveeva Fiz. met i metalloved 17 no 4 619-622 Ap '64.

ULTRASONICS

Effect of cyclic loading of an ultrasonic frequency on the static mechanical characteristics of copper E. G. Konovalov, A L. Skripnichenko. Dokl. AN BSSR 7 no. 12 817-820 D '63

ULTRAVIOLET RAYS

Effect of acid extraction of nucleic acids on the extent of ultraviolet ray scattering by sections of certain tissues. V. G. Vladimirov, V. I. Sharobaiko. TSitologiia 5 no. 4 466-469 Jl-Ag '63.

ULTRAVIOLET RAYS—INDUSTRIAL APPLICATIONS

Expand the use of bactericidal lamps II A Vaisman Farmatsev zhur 16 no 1 64-67 '61

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Conference on ultraviolet radiation. TSitologiia 5 no. 4:476 Jl-Ag '63.

Effect of ultraviolet rays on the growth of lambs S. V. Builov, R S Abrosimova. Trudy VIZH 25:207-211 '63

Penetration of ultraviolet rays through the hair coat of calves D. A Ustinov, I. I Kozunin. Trudy VIZH 25: 212-215 '63

Pharmacological study of the photosensitizing preparation beroxan. IA. I. Khadzhai, V. F. Kuznetsova Farm. i toks. 26 no 2:219-224 Mr-Ap '63.

ULTRAVIOLET RAYS—SCIENTIFIC APPLICATIONS

Recent development of the method of ultraviolet microirradiation in biology A P Dubrov Biofizika 7 no 5:634-639 '62.

UL'YANOVSK—LABOR AND LABORING CLASSES

Ideological work of primary party organizations: Labor training. G. Pen'kovskii. Part. zhizn' no. 12,52-58 Je '64.

UL'YANOVSK PROVINCE—BIBLIOGRAPHY

Ul'yanovsk. Oblastnaia biblioteka-dvorets knigi im. V. I. Lenina. Bibliograficheskii otdel. [Recent literature on Ul'yanovsk Province, 1961] Novaia literatura ob Ul'ianovskoi oblasti (1961 god). [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1962. 62 p.

[MICROFILM]

UL'YANOVSK PROVINCE—WATER—POLLUTION

Shockworkers of communist labor IU A Fonshtein Veterinariia 41 no 4 5-6 Ap '64

UMBILICUS—BLOOD SUPPLY

Content of free and bound vitamin B_6 in blood of the umbilical cord in normal and complicated pregnancy and labor. V K. Zubovich Akush. i gin. 39 no. 5:44-47 S-O '63.

UNDERDEVELOPED AREAS

The fate of the European legacy E Guedin. Nov mir 40 no 1 202-222 Ja '64.

The national liberation movement and the noncapitalistic path K. Ivanov. Mezhdunar. zhizn' 11 no. 9:46-58 S '64.

World capitalism and underdeveloped countries. G. Mirskii. Mir. ekon. i mezhdunar. otn. no. 8:151-154 '64.

UNDERDEVELOPED AREAS—CONGRESSES

Solidarity in practice M. Kovalev Az. i Afr. seg. 8 no. 7 10-11 Jl '64.

UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE

Competition between the two systems and the young states. A. Gatsoev, F. Politkin, P. Khmylov. Mezhdunar. zhizn' 11 no. 9 112-119 S '64.

UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE, WEST GERMAN

Colonial prescription of a Bonn minister. S. L Budkevich Vop. ist 39 no 7 198-199 Jl '64

UNDERDEVELOPED AREAS—ECONOMIC POLICY

Bankruptcy of the ideology of neocolonialism Az i Afr. seg 8 no 7 2-3 Jl '64

Czech economist on the problem of planning in the new sovereign states G I Chufrin. Vest. LGU 19 no. 11 136-138 '64

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—GERMANY WEST

False gilding tarnishes. V Popov Az i Afr seg 8 no 6 24-25 Je '64

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—INDIA

India and the developing countries A Vladin Az i Afr seg 8 no 7 14-15 Jl '64

UNDERDEVELOPED AREAS—POLITICS

Calculating without the boss V Fedorov Az. i Afr seg 8 no 7 56 Jl '64

Dadiani, L. IA. [Collapse of contemporary colonial administration] Krakh kolonial'nogo upravleniia v sovremennyi period Moskva, Univ. druzhby narodov, 1964. 151 p.

Does the lessening of tension represent a danger for the national liberation movement. Larbi Buhali. Vop. ist KPSS 8 no. 8 44-49 Ag '64.

Resolutions of the Second Soviet Conference of Afro-Asian Solidarity Az i Afr seg 8 no 7 60-63 Jl '64

UNDERGROUND CONSTRUCTION

Reinforced concrete anchors on a quick-setting mortar B V. Koriakin Transp stroi. 13 no. 10:64-66 O '63.

UNDERGROUND STRUCTURES

Weight of railroad and automobile traffic on underground structures M IU Aastlab Prom stroi 41 no 7:46-47 Jl '64

UNDERGROUND STRUCTURES—CATHODIC PROTECTION

Modeling the system of the "track-network-ground-network of underground structures " V. N. Tkachenko. Gaz delo no. 6:24-28 '64.

UNDERGROUND STRUCTURES—CORROSION

Protecting the underground utilities of cities from corrosion G I. Akhverdiev, M. S Trifel'. Gaz prom 8 no 2 43-46 '63.

UNDERGROUND WATER see Water, Underground

UNDERWATER PIPELINES see subdivision under Ob' Reservoir

UNION CATALOGS see Catalogs, Union

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNION REPUBLICS

Unity of the sovereignty of the Union of the S.S R. and the Union Republics in the period of large-scale building of communism R. L. Manelis. Sov. gos. i pravo 34 no. 7:17-26 Jl '64.

UNITED NATIONS

History of the establishment of the United Nations Security Council; an essay in international law V. N Fedorov. Uch. zap. IMO no 16,147-176 '63.

Uneasy conscience V Berezhkov Nov. vrem 22 no 35:30-31 Ag '64

UNITED NATIONS—ARMED FORCES

Disarmament and the problem of establishing an international armed force. E S. Krivchikova, V I. Menzhinskii. Uch zap. IMO no. 16:78-120 '63.

UNITED NATIONS—CHARTER

How to raise the efficiency of the United Nations R. Adrianov Nov. vrem. 22 no 35,22-23 Ag '64.

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Geneva: Several lessons and conclusions. Val. Zorin, I Ivanov. Mir. ekon. i mezhdunar. otn. no. 8:75-84 '64.

Important principle of international trade. V. Kutuzov. Vnesh. torg 44 no. 7:13-16 '64.

Peoples' interests are above all. I. Gorev. Vnesh. torg. 44 no. 6:5-8 '64.

To justify the aspirations and confidence of nations. Address of N. S. Patolichev, Head of the U.S.S.R Delegation, Minister of Foreign Trade of the U S.S.R. at the United Nations Conference on Trade and Development. Vnesh torg 44 no. 7:9-12 '64.

UNITED STATES—AERONAUTICS, MILITARY—OBSERVATIONS

Provocative operations of high-altitude military airplanes of the United States N Listvin Av. i kosm. 47 no 9. 89-94 S '61.

UNITED STATES—ARMORED VEHICLES

Foreign military news. Voen. vest. 44 no. 7:121 Jl '64.

UNITED STATES—ARMY—ORGANIZATION

Change in organization. S. Fedorov. Voen. vest. 43 no. 4:118-120 Ap '64.

UNITED STATES—ATOMIC ENERGY

Under the supervision of "fine fellows." A. Turkov. Nov mir 40 no 1:273-275 Ja '64.

UNITED STATES—ATOMIC WEAPONS—SAFETY MEASURES

Protection from nuclear weapons V Tikhonov. Starsh.-serzh no 7 30 Jl '64

UNITED STATES—BASEBALL

Morals of the free world", Baseball and business Nov vrem 21 no 30 31 Jl '64

UNITED STATES—CHEMOTHERAPY

Scientific research work in experimental oncology and chemotherapy of tumors in the U.S.A., impressions from a trip to the U.S A. S. A. Papoian. Vop. i eat. i onk. 7:233-241 '63.

UNITED STATES—COAL MINES AND MINING

Coal industry in the United States during 1962. P. A. Demidov, I. S Maiboroda Ugol' Ukr. 7 no. 12:52-53 D '63

UNITED STATES—COMMERCIAL POLICY

A Gordian knot of contradictions. IU. Lisovskii, G. Factor. Mir. ekon. i mezhdunar. otn. no. 8:40-48 '64.

UNITED STATES—COMMUNIST PARTY

Militant vanguard of U.S. workers. Art Shields. Vop. ist. KPSS 8 no. 9:81-85 S '64.

UNITED STATES—COMPASS

A portable navigation instrument. Tekh. i vooruzh. no. 3:92 Mr '64.

UNITED STATES—COSTS, INDUSTRIAL

Changes in the cost structure of production. L. Leont'ev. Mir. ekon. i mezhdunar. otn. no. 8:58-60 '64.

UNITED STATES—COURTS

The judicial system of the U.S.A. B. Strashun. Sov. iust. 26 no 7 25-27 Ap '64

UNITED STATES—DEPRECIATION

Technological progress and the amortization of capital assets in the U.S.A. I. Kuklina. Mir. ekon. i mezhdunar. otn. no. 6:19-58 '64.

UNITED STATES—ECONOMIC POLICY

Economic strategy of Washington. V. Perlo. Mezhdunar. zhizn' 11 no. 9,28-37 S '64.

UNITED STATES—ELECTIONS

The pre-election struggle and its influence on international conditions. V. Morev. Mezhdunar. zhizn' 11 no. 9:80-91 S '64.

UNITED STATES—FOREIGN ECONOMIC RELATIONS

The Foreign economic policy of the U.S.A. [illegible] Vnesh. torg. 44 no. 7:52-55 '64.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—AFRICA

The dollar in Africa M. Kogan. Az. i Afr. seg. 8 no 7: 49-50 Jl '64

UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

Aid? No, enslavement I Sheremet'ev Nov mir 40 no. 4,266-268 Ap '64

UNITED STATES—FOREIGN RELATIONS

Dangerous illusions of the obsessed. I. Ermashov. Nov. mir 40 no. 2:269-272 F '64.

In search of a reasonable approach. IU. Sheinin. Mir. ekon. i mezhdunar. otn. no. 8:145-149 '64.

The pre-election struggle and its influence on international conditions. V. Morev. Mezhdunar. zhizn' 11 no. 9:89-91 S '64.

U.S.A. Old myths and a new reality. A. Estaf'ev. Agitator no. 10:52-53 My '64.

UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN

Two aspects of European integration. N. Khomutov. Mezhdunar. zhizn' 11 no. 9:80-82 S '64.

UNITED STATES—FOREIGN RELATIONS—GREAT BRITAIN

Collaboration or rivalry. V. Poliakov. Mezhdunar. zhizn' 11 no. 9:138-140 S '64.

Pozdeeva, L. V. [Anglo-American relations during the Second World War, 1939-1941] Anglo-amerikanskie otnosheniia v gody Vtoroi Mirovoi voiny, 1939-1941 gg. Moskva, Izd-vo "Nauka," 1964. 452 p.

UNITED STATES—FOREIGN RELATIONS—INDONESIA

Hate is a bad adviser. M. Nikolaev. Az. i Afr. seg. 8 no 7:58-59 Jl '64.

UNITED STATES—GAS, NATURAL

Natural gas in the United States. Gaz. delo no. 7:47-48 '64.

UNITED STATES—GEOGRAPHICAL RESEARCH

Practical significance of geography in the U.S.A. (In connection with the geography in Siberia). V. A. Krotov, Dokl. Inst. geog. Sib. i Dal'. Vost. no. 1:12-22 '62.

UNITED STATES—INDUSTRIES

Transition from handicraft to factory production in the U S Herbert Aptekei Vop. ist 39 no 7 213-215 Jl '64.

UNITED STATES—INSURANCE, SOCIAL

Social insurance in the United States: bourgeois concepts and reality. V.Golubev. Mir.ekon.i mezhdunar.otn. no.8:112-118 '64.

UNITED STATES—JUDICIAL POWER

The judicial system of the U.S.A. B.Strashun. Sov iust 28 no.7:25-27 Ap '64.

UNITED STATES—JUVENILE DELINQUENCY

A children's prison in the United States. IU.Izlumov. Mol.komm. no.2:104-110 F '64.

UNITED STATES—LIBRARIES

Present-day trends in bourgeois library science. B.Petrov. Bibliotekar' no.7:56-58 Jl '64.

UNITED STATES—MECHANIZATION, MILITARY

Foreign military news. Voen.vest. 43 no.4:120-121 Ap '64.

UNITED STATES—MENTAL ILLNESS

Morals of the "free world" "Disturbed Americans" Nov.vrem 22 no.32:30-31 Ag '64.

UNITED STATES—MILITARY RESEARCH

American military business. I.Zheltikov. Nov.mir 40 no 4 263-266 Ap '64

UNITED STATES—MINES, MILITARY

Along the pages of foreign periodicals Tekh.i vooruzh. no.3:93 Mr '64.

UNITED STATES—MUNITIONS

American military business I.Zheltikov. Nov mir 40 no.4:263-266 Ap '64

UNITED STATES—NEGROES

Frenkel', M.IU. [The U.S.A. and Liberia, the Negro Problem in the U.S.A. and the creation of the Republic of Nigeria] SShA i Liberiia; negritianskaia problema v SShA i obrazovanie respubliki Liberiia. Moskva, Izd-vo "Nauka," 1964. 320 p.

Long, hot summer. Eslanda Robeson. Nov.vrem. 22 no.31.16-17 Jl '64

UNITED STATES—ONCOLOGY

Scientific research work in experimental oncology and chemotherapy of tumors in the U.S.A., impressions from a trip to the U.S.A. S.A.Papoian. Vop.rent.i onk. 7:233-241 '63.

UNITED STATES—OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Open-hearth furnace hearth bottom made of carbon blocks. A Lekhtik. Metallurg 9 no 5 20 My '64

UNITED STATES—ORDNANCE

Foreign military news. Voen.vest. 44 no.7:121 Jl '64.

A shot by globe lightning. V.Maksimenko. Voen.znan. 40 no.7:37 Jl '64.

UNITED STATES—PETROLEUM INDUSTRY

Brief news. G.K.Maksimovich. Neft.khoz 42 no.7: 72-74 Jl '64.

Calculating without the boss. V.Fedorov. Az.i Afr.seg. 8 no.7·56 Jl '64.

UNITED STATES—PETROLEUM REFINING

Development of petroleum refining capacity in the United States. Neftepor.i neftekhim. no.5:46-47 '64.

UNITED STATES—POLITICS AND GOVERNMENT

Nepomniashchii, K.E. [Torches growing dim; American sketches] Ugasaiushchie fakely; amerikanskie ocherki. Moskva, Izd-vo "Znanie," 1964. 156 p. (Prochti tovarishch!)

The U.S. Congress and its committees. Mezhdunar. zhizn' 11 no.9:144-146 S '64.

UNITED STATES—RACE DISCRIMINATION

Poverty of spirit. L.R. Nov vrem. 21 no.29:33 Jl '64.

Word of a Negro writer. Teatr 24 no.12:132-133 D '63.

UNITED STATES—RACE QUESTION

[Three Americas] Tri Ameriki. Moskva, Izd-vo "Pravda," 1964. 78 p. (Biblioteka "Komsomol'skoi pravdy," no.7)

UNITED STATES—RADIUM—TOXICOLOGY

Review of "Radium research project; the epidemiological follow-up of the New Jersey radium dial painters"; A.K.C[illegible] D '63

UNITED STATES—REPUBLICAN PARTY

After th[illegible] Mezh[illegible]

The for[illegible] "ultras [illegible]

UNITED STATES—RIFLES

Along the pages of foreign periodicals Tekh.i vooruzh no.3·93 Mr '64

UNITED STATES—SPORTS

Olympic Games and the policy pursued by the United States to restore its world supremacy in sports. V I. Sukhotskii Teor.i prak fiz kul't. 27 no.5,11-15 My '64.

UNITED STATES—TANK WARFARE

Armored division in the basic types of combat. A.Ryzhkov. Voen.vest. 43 no.4·113-117 Ap '64

UNITED STATES—TECHNOLOGICAL INNOVATIONS

Technological progress and the amortization of capital assets in the U.S.A I.Kuklina. Mir.ekon i mezhdunar otn. no.6 49-58 '64.

UNITED STATES—TELESCOPE

Foreign military news. Voen.vest. 43 no 4,120-121 Ap '64.

UNITED STATES—TELEVISION

Lomozova, N.Z., and G.M.Kurbakova. [Black and white television receivers in the U.S.A. and the German Federal Republic; survey of network and design calculations] Televizionnye priemniki cherno-belogo izobrazheniia SShA i FRG, obzor skhemnykh i konstruktivnykh reshenii. Moskva, Izd-vo "Sviaz'," 1964. 47 p. (Biblioteka "Televizionnyi priem," no.14)

UNITS

Introduction of the International System of Units in the U.S.S R. Izv AN Arm SSR Khim nauki 16 no 2·191-197 '63

Present-day problems demanding further improvement of the MKSA system of units. E.S.Kaplan. Izv.vys ucheb.zav.; fiz. no.4:152-157 '64.

Reznikov, L.I. [International system of units in a physics course for seconday schools] Mezhdunarodnaia sistema edinits v kurse fiziki srednei shkoly. Izd.2., dop. Moskva, Prosveshchenie, 1964. 71 p.

Systems of measures, with regard to the introduction of the international unit system as a standard M A Leontovich Vest AN SSSR 34 no 6 123-126 Je '64

UNIVERSITIES AND COLLEGES see subdivision under Novosibirsk

UNSAPONIFIABLE MATTER

Alcohol extraction from unsaponifiables II A P Postol'nyi Khim prom.[Ukr.] no.3:21-24 Jl-S '63

UNSATURATED COMPOUNDS

Cyclic polymerization and copolymerization. Report No.27: Radical polymerization of dimethylvinylethinylcarbinol in solutions. S.G.Matsoian, N.M.Morlian. Izv.AN Arm.SSR, Khim.nauki 16 no.6:571-580 '63

Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 19: Chloroarylation of diisopropenyl. N.I.Ganushchak and others. Zhur.ob.khim. 34 no.7:2238-2243 Jl '64.

Spectra and halochromism of α,β-unsaturated ketones containing furan and thiophene rings. S.V.TSukerman, I.K.Gintse, V.F.Lavrushin. Zhur.ob.khim. 34 no.7:2317-2321 Jl '64.

Synthesis of aryl vinylethynylcarbinols. S.G.Matsoian, Al'b A.Saakian. Izv AN Arm SSR.Khim nauki 16 no.2·159-161 '63.

Synthesis of some unsaturated organoaluminum compounds. L.I.Zakharkin, L.A.Savina. Izv.AN SSSR. Ser.khim. no.7:1222-1225 Jl '64.

Technical methods of synthesizing α, β-unsaturated aldehydes and ketones. G.S.Mironov, M.I Farberov Usp.khim. 33 no.6:649-663 Je '64

UPHOLSTERY

Avetikov, A.L. [Technology of the manufacture of upholstered furniture] Tekhnologiia proizvodstva miagkoi mebeli. Izd.2., perer. i dop. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 195 p.

UPPER SUYFUN BASIN—COAL TAR

Oxidizing cracking of phenols of generator tar from Lipovets run-of-mine coal of the Upper Suyfun Basin Z.M.Rybalko. Trudy DVFAN SSSR.Ser.khim. no 6: 90-92 '62.

UPPER SUYFUN BASIN—RHABDOPISSITE—ANALYSIS

Studying the chemical nature of rhabdopissite of the Lipovets deposit in the Upper Suyfun Basin. N.M Karavaev, Z.M.Rybalko. Trudy DVFAN SSSR.Ser khim. no.6:44-69 '62.

UPPER ZERAVSHAN HYDROELECTRIC POWER STATIONS

Results of the operation of the water intake of the Upper Zeravshan Hydroelectric Power Stations. Vop.gidr no.13,145-186 '63

URACIL—PHYSIOLOGICAL EFFECT

Effect of 6-methylthiouracil on the thyroid gland and conditioned reflexes in dogs. M.I.Rozin. Vestsi AN BSSR.Ser.biial.nav. no.4:100-106 '63.

Method for the induction of experimental atherosclerosis in rats. E.L.Leites. Pat.fiziol.i eksp.terap. 6 no.4·84-86 Jl-Ag '62.

URACIL—THERAPEUTIC USE

Two cases of healing of vesico-vaginal fistulas under the influence of 4-methyluracil (metacil, methyluracil) V.P.Tobilevich, E.P Mikhina, M.L.Gershanovich Vop.onk. 10 no 3 115-117 '64

URAL MOUNTAIN REGION—APARTMENT HOUSES

Qualities of large panel apartment houses of cellular concrete in the Urals. P.G Panov N K Deviatova Sbor nauch rab AKKH no 16 100-104 '62

URAL MOUNTAIN REGION—BOTANY—ECOLOGY

Akademiia nauk SSSR. Ural'skii filial Institut biologii. [Materials on the classification of vegetation of the Urals, abstracts of reports at the conference in October 1959] Materialy po klassifikatsii rastitel'nosti Urala, tezisy dokladov na soveshchanii (oktiabr' 1959 goda) Sverdlovsk, 1959 97 p

[MICROFILM]

URAL MOUNTAIN REGION—EVENING AND CONTINUATION SCHOOLS

Ways of developing independence and creative activity in evening school students. A.N.Sviridov. Sred.spets. obr. 11 no.6 28-31 Je '64.

URAL MOUNTAIN REGION—GAS, NATURAL—STORAGE

Mesozoic weathering crust of the Central Ural and the possibilities for the creation of underground gas reservoirs in them A.I Malino. Gaz prom 8 no 2 35-40 '63

URAL MOUNTAIN REGION—INDUSTRIAL SAFETY

For the complete elimination of accidents V.Shevtsov-Raevskii Okhr.truda i sots strakh 7 no.5 17-19 '64

URAL MOUNTAIN REGION—LIGHTWEIGHT CONCRETE

Qualities of large panel apartment houses of cellular concrete in the Urals P G Panov, N K Deviatova Sbor nauch rab AKKH no 16 100-104 '62

URAL MOUNTAIN REGION—MOLLUSKS, FOSSIL

Reply to A A.Gabrielian, I A Krobkov, and L.V. Mironova's review of A.K Alekseev's book "Paleogene mollusk fauna in the northern part of the Ural Mountain region." K N Paffengol'ts Izv AN Arm.SSR Nauki o zem. 17 no 2·75-77 '64.

URAL MOUNTAIN REGION—REEFS

Convergence of the southern part of the cis-Ural marginal trough with the Caspian Depression and the possible reefs along their margins in the light of geophysical data F I Khat'ianov. Dokl AN SSSR 157 no.4:859-862 Ag '64

URAL MOUNTAIN REGION—ROOTS (BOTANY)

Root systems of the steppe plants of the trans-Ural region. T.A.Petr. Vest.LGU 19 no.12·141-150 '64.

URAL MOUNTAIN REGION—TEACHING

Ways of developing independence and creative activity in evening school students. A.N.Sviridov. Sred.spets. obr. 11 no.6·28-31 Je '64.

URAL MOUNTAIN REGION—WEATHERING

Mesozoic weathering crust of the Central Ural and the possibilities for the creation of underground gas reservoirs in them. A I.Malinov Gaz.prom. 8 no.2 35-40 '63.

URAL MOUNTAIN REGION—WORLD WAR, 1939-1945

Reorganization of party political work at Ural enterprises in connection with the Great Patriotic War. A.F. Vasil'ev. Vop.ist.KPSS 8 no.8,50-59 Ag '64

URAL MOUNTAINS—ARGILLITE

Clay minerals of the Ordovician argillites of the Southern Urals. A.A.Gavrilov, V.A.Aleksandrova. Dokl.AN SSSR 157 no.4:870-872 Ag '64.

Ordovician tuffaceous argillite of the Southern Ural Mountains. A.A.Gavrilov. Dokl.AN SSSR 156 no.6: 1358-1360 Je '64.

URAL MOUNTAINS—CLAY

Clay minerals of the Ordovician argillites of the Southern Urals. A.A.Gavrilov, V.A.Aleksandrova. Dokl.AN SSSR 157 no.4:870-872 Ag '64.

URAL MOUNTAINS—COAL MINES AND MINING

Expansion of the strip mining of coal at the Bashkirugol' Combine. G.M.Baskov. Ugol' 39 no.5:34-38 My '64.

URAL MOUNTAINS—GAS, NATURAL—GEOLOGY

Evaluating the prospects for finding gas and oil in the Zilair synclinorium G.P.Ovanesov, I.A.IAkupov, M A.Kamaletdinov Geol nefti i gaza 7 no 12·1-6 D '63

URAL MOUNTAINS—GEOLOGY

Lithology, structure, and stratigraphy of the Iredyk series. G.F.Cherviakovskii, V.A.Koroteev. Dokl. AN SSSR 157 no.4:863-866 Ag '64.

URAL MOUNTAINS—GEOLOGY (Continued)

Ural'skoe petrograficheskoe soveshchanie. 1st. [Igneous activity, metamorphism, metallogeny of the Urals; transactions] Magmatizm, metamorfizm, metallogeniia Urala, trudy. Sverdlovsk, Akad.nauk SSSR. Ural'skii filial.

Vol. 3. [Granite formations, alkali complexes, metamorphism, study methods and practice] Granitnye formatsii, shchelochnye kompleksy, metamorfizm, metody issledovaniia i eksperiment. 1963. 425 p

URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the boundary layers of the Tournai and Visé stage in the Central Urals. New data based on the profile in the railway groove between the Upper and Lower Gubakha. O. A. Shcherbakov and others. Dokl. AN SSSR 159 no 1 112-115 S-O '64.

URAL MOUNTAINS—ORE DEPOSITS

Some characteristics of the structure and distribution of the mineralization of the Dzabyk-Karagay intrusive D V Rundkvist, V K Denisenko. Trudy VSEGEI 103:.5-101 '64.

URAL MOUNTAINS—PETROLEUM GEOLOGY

Evaluating the prospects for finding gas and oil in the Zilair synclinorium G P Ovanesov, I A IAkupov, M A Kamaletdinov Geol nefti i gaza 7 no 12 1-6 D '63

URAL MOUNTAINS—PHYSICAL GEOGRAPHY

Conference on the problem of the physical geography of the Ural Mountains. A G Chikishev Biul.MOIP Otd. geol. 38 no. 6:147-151 N-D '63.

URAL VALLEY—PASTURES AND MEADOWS

Drop in the productivity of the sand pastures of the Volga-Ural interfluve and possibilities to improve them A. A. Trushkovskii Izv. AN SSSR. Ser geog no. 4:59-66 '64

URAL'SK PROVINCE—SHEEP—DISEASES AND PESTS

Paratuberculosis of sheep in Ural'sk Province A P Shatrov Veterinariia 41 no 4 40-41 Ap '64

URANIUM—TOXICOLOGY

[Materials on the toxicology of radioactive substances] Materialy po toksikologii radioaktivnykh veshchestv. Pod red. A. A. Letaveta i E. B. Kurliandskoi. Moskva, Meditsina.

No. 4. [Thorium-232, Uranium-238] Torii-232, Uran-238. 1964. 116 p.

URANIUM CARBIDES

Neutron propagation in uranium carbide. I. I. Bondarenko and others Atom energ 17 no. 2 113-119 Ag '64

URANIUM ISOTOPES

Some types of fission chambers. I. A IAritsyna. Trudy inst Kom stand , mer i izm prib no. 69 81-85 '62

URANIUM ORES

Krasnikov, V. I. [Geological prerequisites for prospecting for uranium deposits] Geologicheskie predposylki poiskov mestorozhdenii urana. Moskva, Atomizdat, 1964. 186 p.

URANIUM OXIDES

Effect of alkali metal carbonate additions on the kinetics of uranium trioxide reduction with carbon monoxide. V. G. Vlasov, V. N. Shalaginov. Kin. i kat. 5 no. 2:263-267 Mr-Ap '64.

Some characteristics of uranium oxidation by trivalent iron ions Vikt I Spitsyn, G M. Nesmeianova, A. I. Vikulov. Atom energ 17 no. 2 119-123 Ag '64.

URANIUM SULFATES

Enthalpy of oxidation with hydrogen peroxide of uranium (IV) sulfate tetrahydrate and octahydrate. L M. Vidavskii and others. Zhur. neorg. khim. 9 no. 6:1489-1491 Je '64.

URANYL COMPOUNDS

Polarographic behavior of uranyl complex compounds with organic reagents. I. A TSerkovnitskaia, T. T Bykhovtseva. Zhur. anal. khim. 19 no. 5:574-583 '64.

URANYL NITRATE

Determination of the activity coefficient of uranyl nitrate in dilute aqueous solutions by the extraction method [with summary in English]. V. A. Mikhailov, V. G. Torgov. Zhur. fiz. khim. 38 no. 2:280-286 F '64.

UREA

Chloromethoxymethylation and conversions of products obtained. Report No. 5: Problem of formation of S-substituted derivatives of thiourea from α-chloro ethers. V. V. Dovlatian, Z. A. Gambarian. Izv. AN Arm. SSR. Khim. nauki 16 no. 6:565-569 '63.

Melting diagram of the ternary system urea - phenol - resorcinol. I. I. Il'iasov, A. G. Palobekov, A. G. Bergman. Zhur. ob. khim. 34 no. 7:2099-2103 Jl '64.

Possibility of testing radiochemical purity of preparations by the radioenzymic method. A. A. Shatalova, G. I. Meerov. Med. rad. 8 no. 12:62-64 D '63.

Properties of heteropoly blue obtained in the reduction of phosphomolybdic acid with thiourea. B. E. Reznik, L. P. TSyganok Zhur. anal khim. 19 no 5:574-587 '64.

Some dithiourea complex compounds of platinum (II) of cis-configuration. S. P. Derendiaev. Zhur. neorg. khim. 9 no. 6:1345-1349 Je '64.

UREA—THERMODYNAMICS

Thermodynamic properties of carbamide and some of its derivatives A. A. Antonov. Zhur. ob. khim. 34 no. 7:2340-2343 Jl '64

UREA AS FEED

Carbamide instead of forage protein. V. P. Flerinskii. Khim. v sel'. khoz. 2 no. 4.51-52 Ap '64.

UREASE

Possibility of testing radiochemical purity of preparations by the radioenzymic method. A. A. Shatalova, G. I. Meerov. Med. rad. 8 no. 12:62-64 D '63.

UREIDES

Ureides, phenylhydrazides, and isothiouronium derivatives of ω -chlorocarboxylic acids. F. K. Velichko, B. I. Keda, S. D. Polikarpova. Zhur. ob. khim. 34 no 7:2356-2358 Jl '64.

URETERS—DISEASES

Late results of ureteroileocystoplasty. V. M. Borisova. Urologiia no. 1:50-51 '64.

URETERS—RUPTURE

Some characteristics of the clinical course of isolated subcutaneous rupture of the ureter. G. L. Aleksandrovich, I. E. Maniurina. Urologiia no. 1:52-53 '64.

URETERS—SURGERY

Twenty-eight years after an operation transplanting the ureters into the intestine in inoperable puerperal fistula. A. M. Mazhbits. Akush. i gin. 39 no 5:149-150 S-O '63.

URETHRA—CANCER see subdivision under Donets Province

URETHRA—WOUNDS AND INJURIES

Urethroplasty and urethropoiesis in large urethral fistulas and urethral rupture A. E. Mandel'shtam Akush i gin. 39 no. 5:112-117 S-O '63.

URIDINE PHOSPHATES

o-Alkoxyethylidene derivatives of uradine 3'-phosphate. S. M. Zhenodarova, E. A. Sedel'nikova. Izv. AN SSSR. Ser. khim. no. 7:1344-1345 Jl '64.

Analogs of uridine diphosphate glucose in the reaction with dehydrogenase of uridine diphosphate α-D-glucopyranose. N. D. Gabrielian, A. V. Venkina. Dokl. AN SSSR 156 no. 6:1379-1381 Je '64.

URINARY ORGANS—CALCULI see Calculi, Urinary

URINARY ORGANS—TUMORS

Fibrolipomyoma of the urachus. R. P. Tasits. Urologiia no. 1:54 '64.

URINE—ANALYSIS AND PATHOLOGY

Examination of the hyaluronidase activity of the urine in assessing the activity of the rheumatic process. E. I. Taniukhina. Biul. eksp. biol. i med. 55 [i. e. 56] no. 10:22-25 O '63.

Study of the absorption, concentration in the blood and excretion in the urine of the Bulgarian antitubercular preparation INHA-17. M. N. Simeonov. Probl. tub. 42 no 1:39-43 '64.

Urine color sediment reaction in determination of the activity of tuberculous changes in the lungs. E. A. Gnezdilova, M. T. Baziuk, N. E. Gorchakova. Probl. tub. 42 no. 1:89-90 '64.

URINE—INCONTINENCE

Functional urinary incontinence and its treatment. K. Nikolov. Urologiia no. 1:32-34 '64.

Urethroplasty and urethropoiesis in large urethral fistulas and urethral rupture. A. E. Mandel'shtam. Akush. i gin. 39 no. 5:112-117 S-O '63.

X-ray diagnosis of stress urinary incontinence in women. A. N. Tetradov. Urologiia no. 1:29-32 '64.

URINE—MICROBIOLOGY

Ways of eliminating Toxoplasma from the body of an infected animal. E. A. Shevkunova, Z. N. Generalova. Med. paraz. i paraz. bol. 32 no. 4:451-454 Jl-Ag '63.

UROLOGICAL NURSING

Shabad, A. L. [Work of the medical nurse in the urological ward] Rabota meditsinskoi sestry urologicheskogo otdeleniia. Moskva, Meditsina, 1964. 130 p. (Biblioteka srednego medrabotnika)
(DNLM)

UROLOGY

Cineroentgenography in urology. A. S. Portnoi, IU. A. Pytel'. Urologiia no. 1:62-71 '64.

Water-electrolytic disorders of metabolism in urological diseases. A. IA. Pytel', S. D. Goligorskii. Urologiia no. 1:3-11 '64.

URTICARIA

Casuistics of pigmentary urticaria in children. R. E. Bronshtein. Trudy Tadzh. med. inst. 50:207-208 '61.

URTITE—ANALYSIS

Role of potassium in the leaching of nepheline rocks M M Gol'dman and others Trudy Inst. met i obog AN Kazakh SSR 8.72-76 '63.

URUGUAY—COMMUNIST PARTY

In the avant-guard of the class struggle. J. Peres, F. Dias. Agitator no. 10:15-18 My '64.

URUGUAY—ECONOMIC CONDITIONS

[Three Americas] Tri Ameriki. Moskva, Izd-vo "Pravda," 1964. 78 p. (Biblioteka "Komsomol'skoi pravdy," no. 7)

URUGUAY—SOCIAL CONFLICT

In the avant-guard of the class struggle. J. Peres, F. Dias. Agitator no. 10:15-18 My '64.

USHINSKII, KONSTANTIN DMITRIEVICH, 1824-1870

K. D. Ushinskii's philosophical and psychological base of the problem of students' educational activity and independence training. V. A. Nerovnykh Izv. APN no. 129 112-116 '63.

UST'-BALYK OIL FIELD—PETROLEUM GEOLOGY

Ust'-Balyk oil field and methods for its commercial prospecting. A. S. Polushkin, V. P. Sanin. Geol. nefti i gaza 8 no. 8:33-36 Ag '64.

UST'-VILYUY GAS FIELD—GAS, NATURAL—GEOLOGY

Calculating the development of a multi-strata field with a gas regime. S. S. Gatsulaev. Trudy VNIIGAZ no. 10/27:43-59 '64.

USTYURT—LOCUST

Polymorphism and phase variability of Dociostaurus kraussi Ingen. (Orthoptera, Acrididae) on the Mangyshlak Peninsula and in the Ustiurt. M. P. Mal'kovskii. Ent. oboz. 42 no. 4:778-781 '63.

UTERUS

Characteristics of the contractile activity of the uterus in multiple pregnancy. V. A. Tiuvaeva. Akush. i gin. 39 no. 5:8-13 S-O '63.

Dynamics of the content of the contractile protein actomyosin in the myometrium during various periods of pregnancy. N. S. Baksheev, E T. Mikhailenko. Akush. i gin 39 no. 5:21-26 S-O '63.

Efferent lymphatic vessles of the cervix uteri and ovaries. E. V. Antipova. Akush. i gin. 39 no. 5:82-85 S-O '63.

UTERUS—BLOOD SUPPLY

Arterial vessels of the placental portion of the uterus. N. P. Romanovskaia. Akush. i gin. 40 no. 1:81-86 Ja-F '64.

UTERUS—CANCER

(see also subdivision under Armenia)

Case of combined granulosa cell tumor of the ovary and adenocarcinoma of the uterus. I. L. Butov, V. N. Spivak. Akush. i gin. 40 no. 1:145-146 Ja-F '64.

Chorioepithelioma of the uterus in pregnancy. M. A. Bul'ina. Akush. i gin. 40 no. 1:143-144 Ja-F '64.

Clinical aspects, diagnosis and treatment of chorioepithelioma. I. P. Gomoniuk. Akush. i gin. 40 no. 1:117-121 Ja-F '64.

Cytologic diagnosis of cancer of the cervix uteri. T. D. Makhmurian, G. A. Arzumanian, L. M. Doroshenko. Vop. rent. i onk. 7:349-356 '63.

Differential cytological diagnosis of precancer and cancer of the cervix uteri with luminescent and phase contrast microscopy. E. A. Svindler. Vop. onk. 10 no. 3:86-93 '64.

Evaluation of diagnostic methods in hyperplastic processes in the cervix uteri. L. S. Terent'eva. Akush. i gin. 40 no. 1:113-116 Ja-F '64.

Functional state of the adrenal cortex in benign and malignant tumors of the uterus and ovaries. E. M. Samundzhan, V. S. Vladimirova. Vop. onk. 10 no. 3:93-98 '64.

Metastases and recurrences in the vagina in uterine cancer. I. V. Bokhman. Akush. i gin. 40 no. 1:124-129 Ja-F '64.

Treatment of chorioepithelioma with large doses of estrogens. A. A. Davidenko. Akush. i gin. 40 no. 1:121-123 Ja-F '64.

UTERUS—DISPLACEMENTS

Case of oncogenetic inversion of the uterus. L. E. Shiflinger, G. P. Lykov. Akush. i gin. 39 no. 5:145-146 S-O '63.

Ventral fixation of the cervix uteri in prolapse associated with the prolapse of the vaginal wall. I. P. Izotov. Akush. i gin. 39 no. 5:132-134 S-O '63.

UTERUS—INNERVATION

Basic principles of the function of the "parturient" uterus. I. I. IAkovlev. Akush. i gin. 39 no. 5:3-8 S-O '63.

Sensory endings in the ganglia of the cervix uteri and the vagina in human fetuses and children. A. A. Zorina, E. G. Mudrenko. Arkh. anat., gist. i embr. 43 no. 8:46-52 Ag '62.

UTERUS—RUPTURE

Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. A. S Slepykh, A. S. Gordeladze. Akush. i gin 39 no 5:103-110 S-O '63

New symptom of uterine rupture. A S. Semenova. Akush i gin 39 no. 5:143 S-O '63

Pathomorphological changes in the uterine wall following cesarean section. E. M. Speranskaia Akush. i gin. 39 no. 5:90-97 S-O '63

Results of the histological study of the uterine wall in the cicatrical area after repeated cesarean sections N. I. Tiurina Akush. i gin. 39 no. 5:97-102 S-O '63.

Spontaneous ruptures of the uterus during pregnancy. V. V. Mashin, G. P. Lykov Akush i gin. 39 no 5:144-145 S-O '63.

Uterine rupture V. G. Khrenova Akush i gin. 39 no. 5:110-112 S-O '63.

UTERUS—SECRETIONS

Change in the physicochemical characteristics of cervical secretion in cows due to the change in sexual and maternal dominance. I. I. Sokolovskaia and others Trudy VIZH 26:90-103 '63

UTERUS—SURGERY

Modification of the suture in Sturmdorf's operation A A Kozabgarov. Akush i gin 39 no 5:131-132 S-O '63.

Surgical treatment of cervical pregnancy with the aid of vaginal cervicotomy and hemostasis. G Matracaru Akush. i gin. 39 no. 5:129-131 S-O '63.

Ventral fixation of the cervix uteri in prolapse associated with the prolapse of the vaginal wall. I. P. Izotov. Akush. i gin. 39 no. 5:132-134 S-O '63.

UTERUS—TUMORS

Case of oncogenetic inversion of the uterus. L. E. Shifringer, G. P. Lykov. Akush. i gin. 39 no. 5:145-146 S-O '63.

Mesodermal mixed tumors of the cervix uteri. IA. V. Bokhman, N. M. Ainbinder. Vop. onk. 9 no. 9:82-87 '63.

UZBEKISTAN—BUILDING MATERIALS INDUSTRY

Construction work and building materials industry of the Uzbek S. S. R. in the first five-year plan (1928-1932). I. I. Borovkov. Sbor. nauch. trud. NII po stroi. ASIA no. 4:110-122 '63.

UZBEKISTAN—CONSTRUCTION INDUSTRY

Construction work and building materials industry of the Uzbek S. S. R. in the first five-year plan (1928-1932). I. I. Borovkov. Sbor. nauch. trud. NII po stroi. ASIA no. 4:110-122 '63

UZBEKISTAN—COTTON GROWING

The cotton of Uzbekistan. Kh Irgashov. Zakup. sel'khoz. prod. no. 1:7-11 Ja '61.

UZBEKISTAN—COTTONSEED BREEDING—CONGRESSES

Further improvement in cottonseed breeding and production. A. S. Aleksandrov Agrobiologiia no. 1:129-136 Ja-F '64.

UZBEKISTAN—GAS DISTRIBUTION

Certain problems in the economics of gas distribution to the cities of Uzbekistan. R. M. Razakov. Gaz. delo no. 6:37-42 '64.

UZBEKISTAN—GEOCHEMISTRY

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut geologii i geofiziki. [Problems of mineralogy and geochemistry] Voprosy mineralogii i geokhimii. Tashkent, Izd-vo "Nauka," Uzbekskoi SSR, 1964. 278 p.

UZBEKISTAN—HEALTH RESORTS, WATERING PLACES, ETC.

Ketko, M. L. [Health resorts, sanatoriums and rest homes of Uzbekistan] Kurorty, sanatorii i doma otdykha Uzbekistana. Tashkent, Medgiz, UzSSR 1959. 111 p.

[DNLM MICROFILM]

UZBEKISTAN—INSURANCE, SOCIAL

Uzbekistan. S. Smirnov. Sots. obesp. 24 no. 12:54-57 D '63.

UZBEKISTAN—MAIL-ORDER BUSINESS

Let's improve mail-order business. S. Zhikharev, IU. Aleksandrov. Sov. potreb. koop. 8 no. 5:42-44 My '64.

UZBEKISTAN—MEERSCHAUM

Sepiolites of Uzbekistan. M. I. Ismailov. Uzb. geol. zhur. 7 no. 6:20-26 '63.

UZBEKISTAN—MINERALOGY

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut geologii i geofiziki. [Problems of mineralogy and geochemistry] Voprosy mineralogii i geokhimii. Tashkent, Izd-vo "Nauka, Uzbekskoi SSR, 1964. 278 p.

UZBEKISTAN—MINERALS

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie geologicheskikh nauk. [Minerals of Uzbekistan and problems of their genesis] Poleznye iskopaemye Uzbekistana i voprosy ikh genezisa. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1964. 163 p.

UZBEKISTAN—REST HOMES

Ketko, M. L. [Health resorts, sanatoriums and rest homes of Uzbekistan] Kurorty, sanatorii i doma otdykha Uzbekistana. Tashkent, Medgiz, UzSSR 1959. 111 p.

[DNLM MICROFILM]

UZBEKISTAN—RHEUMATIC FEVER

Decrease of rheumatic fever in children in some cities and rural localities of Uzbekistan S. N. IUldasheva. Trudy Tadzh. med. inst. 50:84-86 '61.

UZBEKISTAN—SANATORIUMS

Ketko, M. L. [Health resorts, sanatoriums and rest homes of Uzbekistan] Kurorty, sanatorii i doma otdykha Uzbekistana. Tashkent, Medgiz, UzSSR 1959. 111 p.

[DNLM MICROFILM]

UZBEKISTAN—SEPULCHRAL MONUMENTS

Pugachenkova, G A. [Mausoleum of Arab-ata; from the history of the architecture of Maverannakhr, 9th-10th centuries] Mavzolei Arab-ata, iz istorii arkhitektury Maverannakhra IX-X vv. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 116 p. (Isskustvo zodchikh Uzbekistana, vol. 2)

UZBEKISTAN—SOCIAL CONDITIONS

Building communism and the culture of everyday life Sh Rashidov Kommunist 41 no 10 49-63 Jl '64

UZBEKISTAN—TAJIK LANGUAGE—DIALECTS

Rastorgueva, V. S. [Comparative study of Tajik dialects] Opyt sravnitel'nogo izucheniia tadzhikskikh govorov. Moskva, Izd-vo "Nauka," 1964. 187 p.

UZEN' GAS FIELD—GAS, NATURAL

Commercial prospecting of gas pools in the Uzen' gas field. V. A Kozlov. Gaz. prom 8 no 7:8-12 '63.

UZYAK REGION (ROSTOV PROVINCE)—FISH CULTURE

Growth of young pike perch in the rearing ponds of the Uzyak Fish Spawning and Rearing Farm in the lower Don Valley. N. N Zhdanova. Trudy AzNIIRKH no 6 217-228 '63.

UZYAK REGION (ROSTOV PROVINCE)—FISHES—FOOD

Feeding habits of young pike perch on the Uzyak Fish Sqawning and Rearing Farm in the lower Don Valley in 1959-1960 N. N. Zhdanova. Trudy AzNIIRKH no 6 189-215 '63.

UZYAK REGION (ROSTOV PROVINCE)—PIKE PERCH

Feeding habits of young pike perch on the Uzyak Fish Spawning and Rearing Farm in the lower Don Valley in 1959-1960. N. N. Zhdanova Trudy AzNIIRKH no 6 189-215 '63.

Growth of young pike perch in the rearing ponds of the Uzyak Fish Spawning and Rearing Farm in the lower Don Valley. N. N. Zhdanova. Trudy AzNIIRKH no 6 217-228 '63.

VACUUM METALLURGY

Certain characteristics of the siliconizing of high-melting metals in vacuum. V. E. Ivanov and others. Fiz. met. i metalloved. 17 no. 6:862-865 Je '64.

Continuous zinc removal from lead in a vacuum apparatus V S Esiutin, Zh. Sh Taziev, G V. Kim. Trudy Inst met i obog. AN Kazakh SSR 8:6-12 '63

Continuous zinc removal from lead under vacuum. G. V. Kim, V. S Esiutin Trudy Inst. met. i obog. AN Kazakh. SSR 8:3-5 '63

Effect of the time length of holding transformer steel in vacuum and the moment of introducing a deoxidizer on the content of nonmetallic inclusions. V. I. D'iakonov, S. I. Popel'. Sbor. nauch. trud. Ural. politekh. inst. no. 126:18-23 '63.

Effect of vacuum on an increase in the deoxidizing properties of carbon in iron-carbon melts. Siui TSzia-lun [Hsu Chia-lung]. A. IU. Poliakov, A. M. Samarin. Izv. AN SSSR. Met. i gor. delo no. 2:17-25 Mr-Ap '64.

Effect of vacuum treatment on structural transformations in cast iron. F. N. Tavadze, I. Sh. Dzhanelidze. Trudy GPI [Gruz.] no. 4:51-56 '62.

Recovery of lead and zinc from complex metal ore mattes by sublimation in vacuum R A Isakova, V. N. Nesterov, A. L. TSfat. Trudy Inst met. i obog AN Kazakh. SSR 8:13-18 '63.

VACUUM PUMPS

Determination of the zone of economic usefulness of water ring exhausters in degasification systems in coal mines. V. G. Lavrik. Izv. vys. ucheb. zav.; gor zhur. 7 no. 3:59-68 '64.

Production of an ultrahigh vacuum by means of a heated hydrogen diffusion pump. E. S. Borovik, G. T. Nikolaev, B. A. Sharevskii. Zhur. tekh. fiz. 34 no. 7:1237-1241 Jl '64.

VACUUM TECHNOLOGY

Petrov, K. M., and V. I. D'iakonov. [Vacuum is a magician] Vakuum - volshebnik. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 137 p.

VACUUM-TUBE VOLTMETER see Electron-tube voltmeter

VACUUM-TUBES see Electron tubes

VAGINA—CANCER

Metastases and recurrences in the vagina in uterine cancer. I. V. Bokhman. Akush. i gin. 40 no. 1:124-129 Ja-F '64.

Photocolposcopy in the work of a gynecological center. N. I. Kukoleva. Akush. i gin. 40 no. 1:129-131 Ja-F '64.

VAGINA—INNERVATION

Sensory endings in the ganglia of the cervix uteri and the vagina in human fetuses and children. A. A. Zorina, E. G. Mudrenko. Arkh. anat., gist. i embr. 43 no. 8:48-52 Ag '62.

VAGINA—TUMORS

Puerperal hematoma of the vulva and vagina. O. V. Gulaeva. Akush. i gin. 40 no. 1:137-138 Ja-F '64.

VAGUS NERVE

Anatomical data on nervous connections between the sympathetic trunk and the vagus nerve in the thoracic region of human fetuses and newborn infants A I Labbok, F. Sh Sharafislamov. Arkh anat, gist. i embr 43 no. 11:83-84 N '62.

VAGUS NERVE—SURGERY

Effect of vagotomy on respiratory muscle function. A. A. Nuridzhanova. Fiziol. zhur. 10 no. 1:113-116 '64.

Sensory innervation and state of the tissue elements in the stomach wall following vagotomy. L. I. D'iachkova Arkh. anat., gist. i embr. 45 no. 12:30-39 D '63.

VAKHSH RIVER—HYDRAULIC ENGINEERING

Some results of the study of the total scouring of the Vakhsh River bed E M Pilosov, V A Skryl'nikov Vop gidr no 13 129-139 '63

VAKHSH RIVER—HYDROLOGY

Forecast of a ten-year inflow of water to the Nurek Hydroelectric Power Station on the Vakhsh River V I Sapozhnikov, V V Klimova Trudy TSIP no 134 3-12 '64

VAKHTAN (GORKIY PROVINCE)—LUMBERING

Managers of timber resources. A. Shmakova. NTO 5 no. 12:24-26 D '63.

VALAITIS, VLADIMIR

Vladimir Valaitis B. Khaikin. Sov. muz. 28 no. 2:81-85 F '64.

VALERIC ACID

Aryl-β-amino acids. Part 4: V. M. Rodionov reaction with some aryl aliphatic aldehydes. Synthesis of ζ-[p-di(2-chloroethyl)aminophenyl]-β-aminovaleric acid. N. G. Chernova, E. I. Rybkina, A. IA. Berlin. Zhur. ob. khim. 34 no 7:2129-2133 Jl '64.

VALIULLIN, KHUSNULLA VALIULLOVICH

Our jubilarians: I. F. Boelza, Kh. V. Valiullin, A. I. Ostrovskii. Sov. muz. 28 no. 2:142-144 F '64.

VALUE

Kozlov, G. A. [Operation of the law of value in the conditions of modern capitalism] Deistvie zakona stoimosti v usloviiakh sovremennogo kapitalizma. Moskva, Mysl', 1964. 398 p.

VALVES

Plastic valves. M. E. Dolginova. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:120-123. '63.

Pulsating pneumatic valve. IA. V. Rubinovich, O. D Velichkin. Mash. i neft. obor. no. 2:39-43 '63.

Stop device for large pipelines. B. M. IUnker. Gaz. delo no. 3:23-25 '63.

VALVES—FLUID DYNAMICS

Analyzing the equation of continuity for fluid flow through the valve of a piston pump. V. I. Zaitsev. Trudy VNIIGAZ no. 19/27:168-170 '64.

Investigating the regularities in the variation of the local resistance factor during fluid flow through the slot of a piston-pump valve. V. I. Zaitsev. Trudy VNIIGAZ no. 19/27:165-167 '64.

VALVES—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Distributing pneumatic devices; three-way valves with nominal diameter from 15 to 70 mm. (thread gauge 1/2" - thread gauge of pipe 2 1/2")] Pnevmoapparatura raspredelitel'naia; klapany trekhkhodovye D 15-70 mm (K 1/2" - K trub. 2 1/2") (MN 4900-63). Moskva, Izd-vo standartov, 1963. 15 p. (SSSR. Normal' mashinostroeniia)

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Piston compressors; self-acting, individual, circular valves; types and fitting dimensions] Kompressory porshnevye, klapany samodeistvuiushchie kruglye individual'nye; tipy i posadochnye razmery (MN 4908-63). Moskva, Izd-vo standartov, 1963. 7 p. (SSSR. Normal' mashinostroeniia)

VANADIUM—METALLURGY

Initial stages of the interaction of V_2O_5 with carbon. V.P.Eliutin and others Izv.vys.ucheb zav.; chern. met. 7 no.7:5-9 '64

Production of plastic vanadium G. V. Gaidukov, M. G. Gaidukov Izv. Sib. otd. AN SSSR no 7 29-36 '62

VANADIUM—SPECTRA

Spectral analysis of vanadium by the vaporization method. V.I. Muzgin and others Zav lab 30 no 6 697-699 '64

VANADIUM CHLORIDES—ELECTRIC PROPERTIES

Electric conductivity of vanadium dichloride solutions in a molten equimolecular mixture of sodium and potassium chlorides. IU.U.Samson and others. Zhur. fiz.khim. 38 no.2 481-483 F '64.

VANADIUM COMPOUNDS

Effect of oxalic acid on the catalytic properties of vanadium (V) compounds in some redox reactions. K B IAtsimirskii, V.E Kalinina Zhur.neorg.khim. 9 no 6 1328-1332 Je '64.

Using vanadometry to determine organic pharmaceutical preparations Report No 2 Z I IEr'omina V H Hurevych Farmatsev zhur 16 no 1 13-18 '61

VANADIUM-MAGNESIUM ALLOYS—METALLOGRAPHY

Interaction of niobium and vanadium with magnesium. E.M.Savitskii and others. Trudy Inst.met. no.14:139-146 '63.

VANADIUM ORGANIC COMPOUNDS

Electron paramagnetic resonance of the products of interaction between dicyclopentadienyl vanadium dichloride and aluminum alkyls. G. A. Abakumov, A. E. Shilov, S. V. Shylyndin. Kin.i kat. 5 no.2.228-234 Mr-Ap '64.

VANADIUM OXIDES—ELECTRIC PROPERTIES

Initial stages of the interaction of V_2O_5 with carbon. V.P.Eliutin and others. Izv.vys.ucheb.zav., chern. met. 7 no.7:5-9 '64.

VANADIUM STEEL see subdivision under Chusovoy (Perm Province)

VANADIUM STEEL—METALLURGY

Thermodynamic stability of the processes of refining molten Fe-V-C-Si and Fe-Cr-C-Si with conservation of vanadium and chromium. B. A. Abramov. Sbor.nauch. trud. Ural.politekh.inst. no.126:100-111 '63.

VANILLIN

Metabolism of vanillin as a phthivazide ingredient. L. I. Grebennik, T. B. Gnevkovskaia, G. A. Smirnov. Vop. med.khim. 9 no.2:127-133 Mr-Ap '63.

VAPOR-LIQUID EQUILIBRIUM

Liubitov, IU. N. [Calculating the interaction of molecular flows with the vessels containing them] Raschet vzaimodeistviia molekuliarnykh potokov s ograzhdaiushchimi ikh sosudami. Moskva, Nauka, 1964. 146 p.

VAPOR PLATING

Certain characteristics of diffusion processes in the formation of coatings by the condensation method L M Gert, A A Babad-Zakhriapin. Fiz.met i metalloved 17:601-601 Ap '64

Investigating the atmospheric corrosion of vacuum condensates of zinc by photographic, optical and weight methods I L Roikh and others Fiz met i metalloved 17 no 5 784-786 My '64

VAPOR PRESSURE

Determining the vapor pressure of mercury selenide. R.A Isakova V N Nesterov, V S Esiutin Trudy Inst met.i obog AN Kazakh SSR 8 6-7 '63

Rossman-Yarwood's formula for calculating the coefficient of condensation. M.N.Astaf'eva and others. Zhur.fiz.khim. 38 no.2:523-525 F '64.

Second virial coefficient of vapors and their mixtures. Part 4. Sh.D.Zaalishvili, Z.S.Belousova. Zhur.fiz. khim. 38 no.2,503-506 F '64.

Vapor pressure of solid beryllium. G.P.Kovtun, A.A. Kruglykh, V.S.Pavlov. Izv.AN SSSR.Met.i gor delo no.2 177-179 Mr-Ap '64.

VARIABLE STARS see Stars, Variable

VARIATION (BIOLOGY)

Genetic recombinations in intestinal bacteria. Report No.4: Study of the genetic structure of the hybrids of dysentery bacteria; relation to phages and virulence. A. A. Abidov. Biul.eksp.biol.i med. 55 [i.e. 56] no.10:65-55 O '63.

Transformation of micro-organisms by various fractions of microbial allergens. G.A.Kudrina, P.P.Sakharov. Agrobiologiia no.1:54-64 Ja-F '64.

Variability of the intratype antigenic marker of poliomyelitis virus strains. IU.Z.Gendon. Biul.eksp. biol.i med. 55 [i.e.56] no.10:67-69 O '63.

VARNISH AND VARNISHING

Gas burners for drying paint and varnish coatings. IU.A. Kazarian. Gaz.delo no.7:37-38 '64.

VASCULAR GRAFTS

Homoplasty of the thoracic aorta K.D.Eristavi, G.IA. Odishvili, D.I.Kandelaki Trudy Inst.eksp i klin khir i gemat AN Gruz.SSR 11:3-14 '63

VASIL'CHENKO, IVAN TIKHONOVICH, 1903-

Ivan Tikhonovich Vasil'chenko, on the occasion of his 60th birthday, and the 35th anniversary of his research activities. IU.S.Grigor'ev. Bot.zhur. 49 no.7:1085-1087 Jl '64.

VASIL'KOVKA REGION (DNEPROPETROVSK PROVINCE)—FEEDS

Use feeds savingly. I.Khalabudenko. Zakup sel'khoz. prod no 1 57 Ja '64

VASODILATORS

Effect of phosphorus organic antiglaucomatous preparations on peripheral vessels. I.D.Neklesova, N.E. Piontak. Farm.i toks. 25 no.6:725-731 N-D '62.

Effect of some vasodilating and desensitizing preparations on vessels of the isolated rabbit ear under normal conditions and in sensitization. L.D.Derevianko. Farm.i toks. 26 no 5,611-616 S-O '63.

Effect of some vasodilators on the work of the heart in experimental myocardial infarct G A.Markova. Farm.i toks. 26 no.2:164-168 Mr-Ap '63.

Nitranol and other new esters of nitric acid as coronary vasodilators. M.D.Mashkovskii, B.A.Medvedev. Khim.i med. no.16:5-11 '61.

VASOMOTOR DRUGS

Method for the study of the effect of pharmacological agents on vasomotor nerve ganglia of the extremities. V.M Avakian, A.A.Chilingarian. Farm.i toks. 25 no.6:750-752 N-D '62.

VATICAN CITY

Present international legal status of the Vatican IU.E Karlov Uch zap IMO no 16 218-236 '63.

VATUTIN, NIKOLAI FEDOROVICH, 1901-1944

Talented military commander. Voen.vest. 43 no.4: 122 Ap '64.

VAUDEVILLE

Dancing and the music hall. Boris Sichkin. Teatr 24 no 8 67-70 Ag '63.

VECTOR ANALYSIS

Sverdlovsk. Ural'skii politekhnicheskii institut. [Textbook for a course in "Theoretical principles of electrical engineering"] Zadachnik po kursu "Teoreticheskie osnovy elektrotekhniki." Sverdlovsk.

No. 1. [Vector algebra and principles of vector analysis, manual for independent study of the course] Vektornaia algebra i osnovy vektornogo analiza; posobie dlia samostoiatel'nogo izucheniia kursa. 1961. 31 p.

[MICROFILM]

VEGETABLE GARDENING

(see also subdivision under Chuvashia; Ukraine)

Growing vegetables with the use of translucent films. T.E.Pashchenko Biul.nauch.-tekh.inform.po agron. fiz. no 5/6:12-17 '59.

Some physical and service characteristics of films. V.A.Koltaseva. Biul.nauch.-tekh.inform.po agron. fiz. no.5/6:18-21 '59.

VEGETABLE TRADE—ACCOUNTING

Accounting for payments to fruit and vegetable suppliers. R Abdullaev, N Sazhin Bukhg.uchet 20 no 12 56-58 D '63

VEGETABLES

Innovations in the storage, processing and transportation of vegetables and potatoes. A.N Komissarova. Inform. biul VDNKH no.8,20-21 Ag '63.

VEGETABLES—MARKETING see subdivision under Rogachev region (Gomel' Province); Vulkaneshty region (Moldavia)

VEGETATION AND CLIMATE see subdivision under Africa

VELIKANOV, MIKHAIL ANDREEVICH, 1878-1964

Mikhail Andreevich Velikanov; obituary. Meteor.i gidrol no 6 61-62 Je '64.

VELIKIN, IAKOV IOSIFOVICH, 1904

IA.I. Velikin, on his 60th birthday. Elektrosviaz' 18 no.8:80 Ag '64.

VELIKIYE LUKI—CIVIL DEFENSE

Thought out, well organized. I.Sokol'skii. Voen.znan. 40 no.7:27 Jl '64.

VENA CAVA

Thrombosis of the superior vena cava in constrictive pericarditis. A.T.Grebennikova. Grud.khir. 5 no.5: 94-97 S-O '63.

VENEERS AND VENEERING

Investigating the operation of veneer pipes in oil fields M.S.Arutiunov, Sh.A.Adamian. Nefteprom.delo no.7:26-29 '64.

VENEREOLOGY—BIBLIOGRAPHY see Bibliography—Venereology

VENEZUELA—ECONOMIC CONDITIONS

The United Workers Center of Venezuela serves the workers' interests. Jeronimo Carrera. Vsem.prof dvizh no.6:16-19 Je '64.

VENEZUELA—FOREIGN RELATIONS—CUBA

Unsuccessful "crusade." A.Kartsev. Mezhdunar. zhizn' 11 no.9 125-126 S '64.

VENEZUELA—TRADE UNIONS

The United Workers Center of Venezuela serves the workers' interests. Jeronimo Carrera Vsem.prof. dvizh. no 6:16-19 Je '64.

VENOM

Antidotal effect of propyl gallic acid, heparin and hydrocortisone on the venom of Vipera lebetina. E.N. Pavlovskii and others. Dokl.AN SSSR 156 no.6:1476-1478 Je '64.

VENOM—PHYSIOLOGICAL EFFECT

Effect of bee and cobra venom on the neuromuscular apparatus in cat. N.M.Artemov and others. Nauch. dokl vys shkoly, biol nauki no.1:54-61 '64.

VENTILATION

Improvement of the aeration devices of cement storehouses of the silo type. M.N.Gorbovets, A.S.Shteinberg, F.N.Shinderov. Mekh.stroi. 20 no.7.20 Jl '63.

Kamenev, P.N. [Heating and ventilation] Otoplenie i ventiliatsiia. Izd. 2. Moskva, Stroiizdat.

Pt. 2. [Ventilation] Ventiliatsiia. 1964. 470 p.

Kop'ev, S. F., and N. F. Kachanov. [Principles of heat supply and ventilation] Osnovy teplogazosnabzheniia i ventiliatsii. Moskva, Stroiizdat, 1964. 227 p.

VENTILATION—TECHNOLOGICAL INNOVATIONS

When a burner exploded under me. O. Zholondovskii. Izobr i rats no 5 38-39 '64.

VENUS (PLANET)

Measurement of the brightness temperature of the illuminated side of Venus at the 8 mm. wave. A.E. Basharinov and others. Astron.zhur. 41 no.4:707-710 Jl-Ag '64.

VENUS (PLANET)—SPECTRA

Dependence of Venus albedo on the wave length in the ultraviolet spectrum region. I.N.Glushneva. Soob. GAISH no.133:37-43 '64.

New observations of the infrared spectrum of Venus (λ 1,2- 3,8μ). V.I.Moroz. Astron.zhur. 41 no.4:711-719 Jl-Ag '64.

VERATRYL ALCOHOL

Nitration of model lignin compounds: 1-veratryl-3-propanol and 1-guaiacyl-3-propanol. L.L.Sergeeva, N.N.Shorygina, B.V.Lopatin. Izv.AN SSSR.Ser.khim. no.7:1254-1260 Jl '64.

VERKHNIY ROGACHIK (KHERSON PROVINCE)—CHILDREN—NUTRITION

Release of baby food mixtures from the pharmacy. M I Shestopalova. Farmatsev.zhur. 16 no.1:74-75 '61

VERKHOYANSK RANGE—ROCKS, SEDIMENTARY

Distribution of "minor" chemical elements in the Jurassic Lower and Cretaceous sediments of the Verkhoyansk piedmont. R.A Bidzhiev. Dokl AN SSSR 157 no.1:112-115 Jl '64.

VERKHOYANSK RANGE—TRACE ELEMENTS

Distribution of "minor" chemical elements in the Jurassic Lower and Cretaceous sediments of the Verkhoyansk piedmont. R A.Bidzhiev. Dokl.AN SSSR 157 no.1 112-115 Jl '64

VERSHIGORA, PETR PETROVICH, 1905-1963

Petr Petrovich Vershigora; obituary. Nov.mir. 39 no.4:267-268 Ap '63.

VERTEBRATES, FOSSIL see subdivision under Europe, Eastern; Temryuk region (Krasnodar Territory)

VESELYY RESERVOIR—PHYTOPLANKTON

Determination of primary production in Tsimlyansk and Veselyy Reservoirs. E.I.Aksenova, E.V.Sokolova Trudy AzNIIRKH no.6:63-69 '63.

VESTIBULAR APPARATUS

Effect of vestibular stimuli on certain functions of human organism. Report No.3. Electrophysiological changes under the effect of Coriolis accelerations on man. V.I. Kopanev. Izv.APN no.129:194-199 '63.

Man's ability to work under the influence of vestibular stimuli. S.I.Kopanev. Izv.APN no.129:200-205 '63.

VETCH

Seed reproduction of vetchling (Lathyrus pratensis L.) and tufted vetch (Vicia cracca L.). V.N.Egorova. Bot.zhur. 49 no.7:1051-1056 Jl '64.

Seed reproduction of vetchling (Lathyrus pratensis L.) and tufted vetch (Vicia cracca L.). V.N. Egorova. Bot. zhur. 49 no.7:1051-1056 Jl '64.

VETERINARY EMBRYOLOGY

Method of obtaining dated embryological material from cattle. L.K Ernst. Trudy VIZH 25:48-51 '63.

VETERINARY HELMINTHOLOGY

Ershov, V.S., ed. [Manual of veterinary helminthology] Spravochnik po veterinarnoi gel'mintologii. Moskva, Izd-vo "Kolos," 1964. 307 p.
(DNAL)

Zolepukin, V.S. [The attack continues; control of animal helminths] Nastuplenie prodolzhaetsia; borba s gel'mintami zhivotnykh. Pod red. D.N. Antipina. Moskva, Izd-vo "Znanie," 1964. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistva, no.15)

VETERINARY HYGIENE

(see also subdivision under Baranovichi region, Brest Province)

Sanitary and veterinary hygiene. A.M. Akhmedov and others. Veterinariia 41 no 4,89-100 Ap '64

Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V.I. Lenina. [Problems of veterinary hygiene] Problemy veterinarnoi sanitarii. Pod red. N.F. Rostovtseva. Moskva, Izd-vo "Kolos," 1964. 316 p.
(DNAL)

VETERINARY LABORATORIES

Veterinary experiments. P.T. Lebedev and others Veterinariia 41 no.4:101-111 Ap '64.

VETERINARY MATERIA MEDICA AND PHARMACY

Nauchnaia konferentsiia po farmakologii, 1962. [Materials of the Scientific Conference on Pharmacology held in 1962] Materialy. Moskva, Mosk. veterinarnaia Akad. MSKh RSFSR, 1962. 166 p.
[DNAL MICROFILM]

VETERINARY MEDICINE

(see also subdivision under Armenia; Pavlodar Province)

Book reviews and bibliography. O. Fedorov, V.I. Vashkov, V.M. TSetlin. Veterinariia 41 no 4;115-118 Ap '64

Information and brief news. V.I. Mutovin and others. Veterinariia 41 no 4 119-120 Ap '64

Nauchno-proizvodstvennaia konferentsiia po problemam gel'mintologii. [Scientific Industrial Conference on the Problems of Helminthology] Materialy. Samarkand, Nauchno-issl. veterinarnyi in-t, 1963. 153 p.
(DNAL)

Noninfectious diseases. V.P. Shishkov and others. Veterinariia 41 no.4 61-80 Ap '64.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos.14-16 Jl-Ag '64.

VETERINARY MICROBIOLOGY

Biological properties of the influenza virus of animals. G A. Smirnova, V.M. Stakhanova. Veterinariia 41 no 4 7-12 Ap '64

VETERINARY OBSTETRICS

Logvinov, D.D. [Veterinary obstetrics and gynecology] Veterinarnoe akusherstvo i ginekologiia. Kiev, Izd-vo "Urozhai," 1964. 436 p.
(DNAL)

VETERINARY PARASITOLOGY

Skriabin, K.I., and A.M. Petrov. [Principles of veterinary nematodology] Osnovy veterinarnoi nematodologii. Moskva, Izd-vo "Kolos," 1964. 522 p.
(DNAL)

VETERINARY PATHOLOGY

Leukemia in animals. V.S. Togilev, P.IA. Konopel'ko. Veterinariia 41 no 4:34-36 Ap '64

VETERINARY RESEARCH—CONGRESSES

Gistologicheskaia konferentsiia po probleme 'Reaktivnost' i plastichnost' epiteliia i soedinitel'noi tkani v normal'nykh eksperimental'nykh i patologicheskikh usloviiakh, posviashchennaia pamiati chlena-korrespondenta AMN SSSR Professor F.M. Lazarenko, Orenburg, 1960. [Materials of the Histological Conference on the Problem 'Reactivity and Plasticity of the Epithelium and Connective Tissue Under Normal Experimental and Pathological Conditions" dedicated to the memory of Professor F.M. Lazarenko, corresponding member of the Academy of Medical Sciences of the U.S.S.R.] Materialy. Orenburg, Orenburgskii sel'khoz. in-t, 1962. 105 p.
[MICROFILM]

VIBRATION

Eliminating natural frequencies from the resonantly unsafe zone of a vibration system by means of the variation of its parameters. I.M. Glazman, L.I. Shteinvol'f. Izv. AN SSSR. Mekh. i mashinostr. no.4: 126-128 Jl-Ag '64.

VIBRATION—PHYSIOLOGICAL EFFECT

Combined effect of low-frequency vibration and X rays at a dose of 50 r on the cells of the marrow of mammals. IU.S. Demin. Dokl. AN SSSR 157 no.4:972-974 Ag '64.

Effect of vibration on the colloidal properties of human serum proteins F.S Okolov, S.Kh. Nikolov Nauch. trudy Kub. gos. med inst. 19:105-110 '62

VIBRATORS

Possibility of using vibration to intensify the heating and briquetting of coals. P A Shchukin, V.S Sychev Trudy IGI 20 215-217 '63

Vainkof, IA.F., and A.K. Kvitko. [Vibratory equipment used in auxiliary transportation operations] Vibratsionnaia tekhnika na vspomogatel'nykh transportnykh operatsiiakh. Moskva, "Mashinostroenie," 1964. 162 p.

VIETNAM, NORTH—RICE

Sensitivity of some rice types to the length of day Bui Gui Dap Agrobiologiia no.1:101-109 Ja-F '64

VIETNAM, SOUTH—ESPIONAGE, AMERICAN

Espionage jungle V Cherniavskii Nov vrem 22 no 32 12-15 Ag '64

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

Appeal to develop the solidarity of mass actions on the occasion of the forthcoming 10th anniversary (July 20, 1964) of signing the Geneva agreements on Indochina. Vsem prof. dvizh. no.6:12-13 Je '64.

Let us strengthen active solidarity with the workers and people of South Vietnam! Vsem. prof dvizh no 6: 9-11 Je '64.

The Pentagon reaps a storm. M. Terterov. Sov. voin 46 no.9:41 My '64.

VIETNAM, SOUTH—POLITICS AND GOVERNMENT

Among South Vietnam guerillas. W. Burchett Nov vrem 21 no 30 23-27 Jl '64

Espionage jungle. V. Cherniavskii Nov vrem 22 no.32,12-15 Ag '64

Let us strengthen active solidarity with the workers and people of South Vietnam! Vsem prof dvizh. no.6: 9-11 Je '64

VIL'BREKHT, A.M., 1756-1823

A.M. Vil'brekht's cartographic works. N.V Lemus. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no.1:17-28 '61.

VIL'KITSKII, ANDREI IPPOLITOVICH, 1858-1913

Andrei Ippolitovich Vil'kitskii, 1858-1913. K.A. Bel'chenko. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no.1:29-41 '61.

VILLAGE COMMUNITIES see subdivision under Buryat A.S.S.R.

VILLAGES

"The history of the village," A M. Gor'kii's remarkable undertaking. I. M. Zak. Vop. arkh. 8 no.3:35-38 Jl-S '63.

VILYUY LOWLAND—GRAVIMETRY

Certain geological results of the interpretation of gravimetric data on the southwestern portion of the Vilyuy trough. O.K. Litvinenko, V.R. Melikhov. Geol. nefti i gaza 8 no.8:29-33 Ag '64.

VILYUY LOWLAND—PETROLEUM GEOLOGY

Certain geological results of the interpretation of gravimetric data on the southwestern portion of the Vilyuy trough. O.K. Litvinenko, V.R Melikhov. Geol. nefti i gaza 8 no.8:29-33 Ag '64.

Recent data on the geological structure and oil and gas potential of the Vilyuy syneclise. G.D. Babaian. Geol nefti i gaza 8 no.8:19-24 Ag '64.

VILYUY VALLEY—BITUMEN—GEOLOGY

Carbonate rocks of the Cambrian sediments of the southern wing of the Anabar anteclise and their bitumen potential. S.Sh. Levi. Trudy VNIGRI no 228,67-109 '64.

VILYUY VALLEY—ROCKS, CARBONATE

Carbonate rocks of the Cambrian sediments of the southern wing of the Anabar anteclise and their bitumen potential. S.Sh. Levi. Trudy VNIGRI no.228:67-109 '64.

VINNITSA PROVINCE—COLLECTIVE FARMS—MANAGEMENT

Assistance to the collective farms to recover their claims from debtors. L. Kotovich. Sots. zakon. 41 no.4;60 Ap '64.

VINNITSA PROVINCE—DEBTOR AND CREDITOR

Assistance to the collective farms to recover their claims from debtors. L. Kotovich. Sots. zakon. 41 no 4:60 Ap '64.

VINYL ALCOHOL

Determining sodium acetate content of polyvinyl alcohol by the conductometric method. D.B. Gurvich, V.A. Balandina, R.V. Kosmakova. Plast. massy no.2:69-71 '64.

VINYL ALCOHOL POLYMERS

Dry method of forming fibers from polyvinyl alcohol. K.E. Perepelkin, V.I. Rabinovich. Khim. volok. no.3: 11-15 '64.

VINYL COMPOUND POLYMERS

Cyclic polymerization and copolymerization. Report No. 20: Synthesis and study of the cyclic polymerization of divinyl acetals of o-, m-, p-chlorobenzaldehydes, α-naphthoic aldehyde, and benzophenone divinylketal. S.G. Matsoian, L.M. Akopian. Izv. AN Arm. SSR. Khim. nauki 16 no.1:51-58 '63.

Cyclic polymerization and copolymerization. Report No 22: Cyclic polymerization capacity of aliphatic divinyl acetals. S.G. Matsoian, M.G Voskanian Izv AN Arm SSR. Khim. nauki 16 no.2:151-158 '63

Initiation of vinyl chloride polymerization by the reactions between triethylaluminum with halogen-containing organic compounds. G.A. Razuvaev, K.S. Minsker, IU.A. Sangalov. Dokl. AN SSSR 158 no.1 170-172 S-O '64.

VINYL COMPOUNDS

Addition of certain hydrogen-containing organosilicon compounds to vinyl derivatives of organocyclosiloxanes and isoprene. K A. Andrianov and others. Dokl. AN SSSR 158 no.1:133-136 S-O '64.

Khrulev, M.V. [Polyvinyl chloride] Polivinilkhlorid. Moskva, Izd-vo "Khimiia," 1964. 262 p.

N-vinyl imides of unsaturated dibasic acids. A.F. Nikolaev, M.E. Rozenberg. Zhur. ob khim. 34 no.7: 2332-2335 Jl '64

VINYL COMPOUNDS—SPECTRA

Infrared spectra of furan analogs of chalcone and their vinyl analogs. S.V. TSukerman and others. Zhur. ob. khim. 34 no.7:2309-2317 Jl '64.

VINYL ETHERS

Hydrolysis of vinyl ethers. Part 3: Mechanism of the reaction with mercury sulfate as catalyst. A.F. Rekasheva, L.A. Kiprianova. Kin. i kat. 5 no.2:299-304 Mr-Ap '64.

Vinyl ethers of di- and triethylene glycols. M.F. Shostakovskii, A.S. Atavin, B.A. Trofimov. Zhur. ob khim 34 no.7:2112-2116 Jl '64.

VINYL POLYMERS

Investigating the resistance to fungi of the acoustical materials based on polyvinyl chloride resins. M.I Palei and others. Plast. massy no 2:66-69 '64.

Use of vinyl plastics for the manufacture of vacuum filters for soda manufacture. V.I. Shishko, H.F. Svynin. Khim. prom. (Ukr.) no.3,78-79 Jl-S '63.

VIOLIN—COMPETITIONS see subdivision under Genoa

VIRGIN TERRITORY—AGRICULTURE

Welcoming a new spring. notes from the Virgin Territory. N. Verkhovskii. Nov. mir 40 no 4 215-232 Ap '64.

VIRGIN TERRITORY—ELECTRIC LINES—OVERHEAD

Construction of a power transmission line in the Virgin Territory B.V. Zotin. Energ. stroi. no.33:67-71 '63.

VIRGIN TERRITORY—MILLET

Baida, D.S. [Millet on virgin lands] Proso na tseline. Moskva, [Kolos] 1963. 99 p.
(DNAL)

VIRGIN TERRITORY—WEED CONTROL

Results of testing carbine in the northern Virgin Territory. E.A. Mart'ianova. Khim. v sel'. khoz. 2 no 4: 47-48 Ap '64.

VIRGIN TERRITORY—WEEDS

Vasil'eva, L.I., and A.E. Matsenko. [Key for the identification of weeds of the Virgin Territory] Opredelitel' sornykh rastenii tselinnogo kraia. Pod red. L.T. Vasil'chenko. Moskva, Izd-vo "Nauka," 1964. 128 p.
(DNAL)

VIRGIN TERRITORY—WILD OATS

Results of testing carbine in the northern Virgin Territory. E.A. Mart'ianova. Khim. v sel'. khoz. 2 no.4: 47-48 Ap '64.

VIROLOGY

Gavrilov, V.I. [Transplantable cells in virology] Perevivaemye kletki v virusologii. Moskva, Meditsina, 1964. 267 p.

VIRUS DISEASES OF PLANTS

Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. Upravlenie nauki, propagandy i vnedreniia peredovogo opyta. [Principal methods for the diagnosis of virus diseases of farm crops] Osnovnye metody diagnostiki virusnykh boleznei sel'skokhoziaistvennykh rastenii. Moskva, Sel'khozizdat, 1963. 35 p.
[DNAL MICROFILM]

Sukhov, K.S. [Virus diseases of early potatoes in Moscow Province and their control] Virusnye bolezni rannego kartofelia v Moskovskoi oblasti i bor'ba s nimi. Moskva, Izd-vo "Nauka," 1964. 76 p.
(DNAL)

VIRUS RESEARCH

Blastomogenic action of human sarcoma tissue extracts on rats. A.I. Ageenko. Vop. onk. 9 no.6:42-51 '63.

Effect of human papilloma virus extracts on rabbit endothelial explants. M.P. Ptokhov. Vop. onk. 9 no.6: 34-41 '63.

VIRUSES

Cytogenetic examination of viral and dimethylbenzanthracene-induced leukemias in rats. B.S.Fichidzhian, E.E Pogosiants, E.L.Prigozhina. Vop onk. 10 no.3 34-41 '64

Distribution of the infectious virus and viral antigen in the body of rats and mice infected with Rous virus I.N.Kriukova, I.B.Obukh. Vop onk 10 no.3;3-8 '64.

VISCERA

Alpha-1, 6-dextran glycosidase in human organs. A.S. Saenko. Probl.gemat.i perel.krovi 8 no.8·57-59 Ag '63.

VISCERA—INNERVATION

Neurosomatic unity in cliniconeurological light. G.D. Leshchenko. Trudy Gos.nauch.-issl.psikhonevr.inst. 29;61-73 '63.

Problem of the "visceral brain." E.Sh.Airapetiants. Trudy Gos.nauch.-issl.psikhonevr.inst. 29;19-48 '63.

Sechenov's predictions on internal analysors and the present state of knowledge pertaining to them. E.Sh. Airapet'iants. Fiziol.zhur. 49 no.11:1294-1302 N '63.

Somatic and psychic elements in cyclothymia and manic-depressive psychosis and the problem of cerebrovisceral interrelations. T.A.Nevzorova. Trudy Gos nauch.-issl.psikhonevr.inst. 29,145-155 '63.

VISCOSE

Determination of silicon and phosphorus compounds in viscose titanium dioxide. A.V.Zholnin, V.A.Malevannyi. Khim.volok. no.3;61-62 '64

Effect of sodium sulfite on viscose property changes during ripening. E.B.Veldeman, E.A.Bykova, A.I. Meos. Khim.volok. no.3;32-34 '64.

VISCOSIMETER

Electric viscosimeter with a noncontacting a.c. motor. B.K. Loksha, V.V Vershinina. Zav.lab. 30 no 6 757-758 '64.

VISCOSIMETRY

Coal decomposition and state of viscous flow. E.M Taits, T M.Bronovets Trudy IGI 20 164-171 '63

Investigating the properties of iron-phosphorus melts. Viscosity and electric resistance. I.Dragomir, A.F. Vishkarev, V.I.IAvoiskii. Izv.vys.ucheb.zav.; chern. met. 7 no.7;48-52 '64.

VISCOSITY

Additive value of viscosity of liquid systems without interaction of components. A.IA.Deich. Zhur.fiz.khim. 36 no.3·656-657 Mr '62.

My inference concerning the viscosity functions of mixtures of ideal liquids. A.B.Zdanovskii. Zhur.fiz.khim. 36 no.3:657-658 Mr '62.

A problem in the hydrodynamic theory of stability in case of a varying viscosity. E.V Semenov. Izv.AN SSSR.Mekh.i mashinostr. no.4:161-165 Jl-Ag '64.

Relation between electric conductivity and viscosity of solutions [with summary in English]. I.N. Maksimova. Zhur.fiz.khim. 38 no.2 277-279 F '64.

Some remarks concerning V.S.Galinker, V.A.Tiagai, G.N.Fenerli's article "Viscosity of mixtures of aqueous electrolyte solutions." A.IA.Deich. Zhur. fiz.khim. 38 no.2 525-527 F '64.

Viscosity of concentrated soap pasts of disproportionated rosin. A V Khoroshin, F S Shenderovich, M S.Nemtsov Kauch.i rez 23 no 7 21-23 Jl '64

VISES—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Machine-tool vises turning in three planes for boring; design and basic dimensions] Tiski stanochnye povorotnye v trekh ploskostiakh dlia zatochnykh rabot, konstruktsiia i osnovnye razmery (MH 5061-63 - MH 5064-63). Moskva, Izd-vo Standartov, 1964. 8 p (SSSR. Normali mashinostroeniia)

VISHNEVSKII, MIKHAIL STANISLAVOVICH, 1890-1936

Outstanding scholarly archivists. M.D.Rabinovich Vop.arkh. 8 no.3;41-49 Jl-S '63.

VISIBILITY

Characteristics of the limit of visibility related to requirements of land transportation. Trudy NIIAK no.11: 44-50 '63.

VISIONS

Effect of fluid extracts of the roots of ginseng and Eleutherococcus on dark adaptation and visual acuity. M.V.Shchichenkov. Mat.k izuch.zhen' i drug.lek. rast.Dal'.Vost. no.5;241-244 '63.

Perception of flashing images stationary in relation to the retina. A.L.IArbus. Biofizika 7 no.5;615-619 '62.

VITAMIN THERAPY

Catechin content in the urine, blood coagulation time and the thrombocyte count in patients with acute dysentery on a background of vitamin P and ascorbic acid administration. A.A.Novakovskaia, A.N.Tikhomirova, T.M.Guseva. Vop.pit 22 no.3;19-22 My-Je '63.

VITAMINS

Effect of a varying content of protein and vitamins in the diet on the susceptibility of white rats to plague infection. G.G.Korobkov, I.F.Tereshchenko, V I.Rykova. Vop. pit. 22 no 3,36-40 My-Je '63

Efremov, V.V., ed. [Results of mass-vitaminization of industrial workers] Opyt massovoi vitaminizatsii promyshlennykh rabochikh. Moskva, Meditsina, 1964. 108 p. (Biblioteka sanitarnogo vracha)

Large-scale vitaminazation of food products for mass consumption. I.M.TSvang. Vop.pit. 22 no.3;93-94 My-Je '63.

VITAMINS—A

Evaluation of the vitamin A content of the body by luminescent microscopy of liver sections. V.N. Aleksandrov. Vop.pit. 22 no 3;79-81 My-Je '63.

VITAMINS—B_c see Folic acid

VITAMINS—B_x see Benzoic acid, Para-amino

VITAMINS—B_2 see Riboflavin

VITAMINS—B5 see Nicotinic acid

VITAMINS—B_{12} see Cyanocobalamine

VITAMINS—C see Ascorbic acid

VITAMINS—D

Vitamin D activity of irradiated yeast E.A.Nesterova, N.F.Kruskina. Trudy VIZH 25;165-173 '63.

VITAMINS—D_2 see Ergocalciferol

VITAMINS—G see Riboflavin

VITAMINS—H see Benzoic acid, Para-amino

VITAMINS—M see Folic acid

VITAMINS—P

Activity of hyaluronidase in the blood of women in full-term and prolonged pregnancy and its changes under the influence of vitamins C and P. E.L.Lerner. Akush.i gin. 39 no.5;47-51 S-O '63.

VITEBSK PROVINCE—CRIME PREVENTION

Organization of the work of the investigation department under the new conditions. N.Sherstnev. Sots.zakon. 41 no.4;57-59 Ap '64.

VITICULTURE—EQUIPMENT AND SUPPLIES

Kovalenko, D.D. [Mechanization in viticulture and fruit culture] Mekhanizatsiia v vinogradarstve i sadovodstve. Simferopol', Krymizdat, 1959. 189 p.
[DNAL MICROFILM]

VLADIMIR—TRACTOR INDUSTRY

Specialists joined the brigades E.L Oparin, A.P. Khromova Mashinostroitel' no 6·2-3 Je '64

VLODAVETS, VLADIMIR IVANOVICH, 1893-

Awards to scientists. Vest.AN SSSR 34 no 6 104 Je '64

VOCAL CORDS

Growth of human vocal cords. S.B.Zeligman. Arkh. anat.gist.i embr 45 no.11;88-92 N '63.

VOCATION

The idea of personal vocation to work. V.V.Ermolin. Vest.LGU 19 no.11;69-79 '64.

VOCATIONAL EDUCATION

Connection between rural schools and production. I.L. Izbeshtskii. Vech.sred.shkola 7 no.2;44-46 Mr-Ap '64.

Technical conferences. V.F.Kovalevskii. Vech.sred. shkola 7 no.2;66-68 Mr-Ap '64.

Two reviews of the book "Production training in technical schools." K.N.Chernoglazov, A.I.Dmitrova. Sred.spets.obr. 11 no.6;54-58 Je '64.

VOCATIONAL GUIDANCE

Roads and ways. A.Korniukhin. Mol.komm. no.2;53-58 F '64.

VODAK, WALTER, 1908-

People in the news: Walter Vodak. Nov.vrem. 22 no.35; 29 Ag '64.

VOLGA DELTA

Influence of the Volga runoff regulation on the development of its delta. E.F.Belevich. Izv.AN SSSR.Ser. geog. no.4;55-58 '64.

VOLGA RIVER

TSunts, M.Z. [Story of the Great Volga] Rasskaz o Bol'shoi Volge. Moskva, Sovetskaia Rossiia, 1964. 156 p.

VOLGA RIVER—REGULATION

Influence of the Volga runoff regulation on the development of its delta. E.F.Belevich. Izv.AN SSSR.Ser. geog. no.4;55-58 '64.

VOLGA-URAL REGION—PETROLEUM GEOLOGY

Permeability distribution in the principal producing horizons of the oil fields in the Volga-Ural region A V Belov Geol.nefti i gaza 7 no 12 18-22 D '63.

VOLGA-URAL REGION—PETROLEUM INDUSTRY

Ore experts and petroleum prospectors of the Volga-Ural region in the middle of the 18th century. K.V. Kostrin. Izv.vys.ucheb.zav.; neft' i gaz 6 no.7;125-128 '63.

VOLGA-URAL REGION—PROSPECTING—GEOPHYSICAL METHODS

Improvement of methods and combined geophysical investigations of the carbonate sediments of the Volga-Ural region. V.G.Dvoretskii, N.G.Nesterenko, A.V. Ruchkin. Geol.nefti i gaza 7 no.11;47-52 N '63.

VOLGA-URAL REGION—ROCKS, CARBONATE

Improvement of methods and combined geophysical investigations of the carbonate sediments of the Volga-Ural region. V.G.Dvoretskii, N.G.Nesterenko, A.V. Ruchkin. Geol.nefti i gaza 7 no.11;47-52 N '63.

VOLGA VALLEY—COMMUNIST PARTY OF THE SOVIET UNION

Coordination of the academic work of historians of the party of the Volga region. V.B.Ostrovskii, A.S.Dines. Vop.ist.KPSS 8 no.9;152-154 S '64.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Relationship between marine and continental sediments in the Spasskoye-Privolzh'ye region of the middle Volga Valley. IU.A.Lavrushin. Biul.Kom.chetv.per. no.29;102-114 '64.

VOLGA VALLEY—HISTORY

Historical documents on the peoples in the Middle Volga Valley of the 16th and 17th centuries. V.D.Dimitriev. Uch.zap.CHNIIIALIE no.22;106-136 '63.

VOLGA VALLEY—HUMUS

Change in the composition of the humus in Chestnut and Solonets soils in the trans-Volga region under the influence of farming practices. R.I.Tiurina-Zeinalashvili. Nauch.dokl.vys.shkoly; biol.nauki no 3;202-207 '64.

VOLGA VALLEY—PASTURES AND MEADOWS

Drop in the productivity of the sand pastures of the Volga-Ural interfluve and possibilities to improve them. A.A.Trushkovskii. Izv.AN SSSR.Ser.geog. no.1;59-66 '64.

VOLGA VALLEY—ROCKS, SEDIMENTARY

Means of the terrigenous feeding of the Upper Permian basins of the Volga-Kama region. IU.V.Sementovskii. Dokl.AN SSSR 156 no.6;1361-1363 Je '64.

VOLGA VALLEY—WATERWEED

Flowering of Elodea canadensis Rich. in the waters of the middle Volga Valley. V I.Matveev. Bot.zhur 49 no.5 743-744 My '64

VOLGA-VYATKA ECONOMIC REGION—LEATHER INDUSTRY

Potentials for the growth of labor productivity in the leather industry of the Volga-Vyatka Economic Region. B.N.Morozov. Kozh.-obuv.prom. 6 no.7;7-11 Jl '64.

VOLGOGRAD—FERTILIZERS AND MANURES

Fertilizer from waste. A.Saranisev. Part.zhizn' no.12; 30 Je '64.

VOLGOGRAD—TRACTOR INDUSTRY

Heavy-duty conveyor. P.Uriupinskii. NTO 6 no.5;32-33 My '64.

VOLGOGRAD PROVINCE—CLAY

Investigating the bleaching property of clays (opoka) of certain fields in Volgograd province. A.F.Malakhov, E.V.Karaibog. Nefteper.i neftekhim. no.2;10-12 '64.

VOLGOGRAD PROVINCE—FIELD CROPS

Irrigated stubble crops. A.S.Malakhinov. Zemledelie 26 no.6;77 Je '64.

VOLGOGRAD PROVINCE—GEOLOGY, STRATIGRAPHIC

Unconformity in the Upper Frasnian substage in the western part of Volgograd Province. P.A.Karpov and others. Geol.nefti i gaza 7 no.12;41-44 D '63.

VOLGOGRAD PROVINCE—HARVESTING

Communists during the harvest days. M.Shepelev. Part.zhizn' no.15;53-56 Ag '64.

VOLGOGRAD PROVINCE—MACHINE ACCOUNTING

From the work practice of the machine accounting station of the Statistical Administration of Volgograd Province. G.Budkov, A.Gordienko. Vest.stat. no.7; 59-67 '64.

VOLGOGRAD PROVINCE—PETROLEUM REFINING

Investigating the bleaching property of clays (opoka) of certain fields in Volgograd province. A.F.Malakhov, E.V.Karaibog. Nefteper.i neftekhim. no.2;10-12 '64.

VOLGOGRAD PROVINCE—STATISTICS

From the work practice of the machine accounting station of the Statistical Administration of Volgograd Province G. Budkov, A. Gordienko. Vest. stat. no. 7:59-67 '64

VOLGOGRAD REGION—GAS, NATURAL

Experience in and prospects for the exploitation of low-pressure gas pools in the Volgograd region by ejection. G.A.Bulychev, V.I.Petukhov, B.V.Panasov. Gaz. delo no.6,3-6 '64.

VOLGOGRAD REGION—GAS DISTRIBUTION

Experience in and prospects for the exploitation of low-pressure gas pools in the Volgograd region by ejection. G.A.Bulychev, V.I.Petukhov, B V.Panasov. Gaz. delo no.6:3-6 '64.

VOLLEYBALL

Makogonov, A. V., and P. A. Chumakov. [Learn to play volleyball] Uchites' igrat' v voleibol. Moskva, Prosveshchenie, 1964. 65 p.

Soiuz sportivnykh obshchestv i organizatsii SSSR. TSentral'nyi Sovet. [Volleyball; a program for the sports sections of physical education collectives] Voleibol; programma dlia sportivnykh sektsii kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1964. 30 p.

VOLOGDA PROVINCE—FERNS, FOSSIL

Water fern Azolla interglacialica Nikitin in the Quaternary sediments of Vologda Province. T. D. Kolesnikova Dokl. AN SSSR 157 no. 1:116-118 Jl '64

VOLOGDA PROVINCE—LUMBERING—MACHINERY

Nauchno-tekhnicheskoe obshchestvo lesnoi promyshlennosti. Vologodskoe oblastnoe pravlenie. [Mechanizing the bunching of logs at the logging camps of Vologda Province] Mekhanizatsiia shtabelevki drevesiny v lespromkhozakh Vologodskoi oblasti. [Vologda, Vologodskoe knizhnoe izd-vo, 1959] 18 p.

VOLOGDA PROVINCE—MILK TRADE

The milk yield increases and so does the procurement of milk I. Tolmachev. Zakup. sel'khoz. prod. no. 1:27-28 Ja '64

VOLOGDA PROVINCE—RUNOFF

Characteristics of the ionic runoff of surface waters in Vologda Province. R. A. Filenko. Vest. LGU 19 no. 12: 116-120 '64.

VOLTAGE REGULATORS

Smooth voltage regulation of power transformers under load conditions by means of saturation choke coils. E. M. Votlugin, R. N. Urmanov. Trudy Ural. elektromekh. inst. inzh. zhel. dor. transp. no. 5:44-55 '62.

Transformer with a smooth contactless regulation of voltage under load conditions. I. F. Pavlov, R. N. Urmanov. Trudy Ural. elektromekh. inst inzh. zhel. dor. transp. no. 5:34-43 '62.

Voltage and current regulators for charging airtight lamp batteries. M. M. Fotiev. Ugol' Ukr. 7 no. 9: 46-50 S '63.

VOLUMETRIC ANALYSIS see Titration

VOLYN' PROVINCE—FINANCE

From a practice of committees for efficiency promotion. S. Gromov, E. Androshchuk. Fin. SSSR 38 no. 6:60-61 Je '64.

VOLZHSKIY (ASTRAKHAN PROVINCE)—LIBRARIES AND READERS

Bringing books to the builders of the chemical industry. M. Shcherbakova. Bibliotekar' no. 8:10-11 Ag '64.

VOMITING

Emetic effect of apomorphine, morphine and aconitine in various types of administration. L. L. Grechishkin, V. E. Ryzhenkov. Farm. i toks. 26 no. 5:578-584 S-O '63.

VORONEZH—TECHNOLOGICAL INNOVATIONS

Innovator council helps introduce mutiple machining methods G. A. Fedorov. Mashinostroitel' no. 6:6-7 Je '64.

VORONEZH PRESERVE—MITES

Life cycle of mites of the genus Histiophorus (Sarcoptiformes: Listrophoridae). E. V. Dubinina. Zool. zhur. 43 no. 4:534-546 '64.

VORONEZH PROVINCE—AGRICULTURE—STUDY AND TEACHING

Training centers of Voronezh Province. A. N. Chirva. Vech. sred. shkola 7 no. 2:25-29 Mr-Ap '64.

VORONEZH PROVINCE—COLLECTIVE FARMS—MANAGEMENT

Basis for the distribution of production sections on collective farms. V. Zapletin, V. Slabunov. Ekon. sel'khoz. 35 no. 6:90-93 Je '64.

VORONEZH PROVINCE—OAK—DISEASES AND PESTS

Role of the saprophytic phase of the development of Ophiostoma roboris C. Georgescu, I. Teodoru in the spreading of the vascular mycosis of oak. I. I. Minkevich. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:16-18 '63.

VORONEZH PROVINCE—OPHIOSTOMA

Role of the saprophytic phase of the development of Ophiostoma roboris C. Georgescu, I. Teodoru in the spreading of the vascular mycosis of oak I. I. Minkevich. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:16-18 '63.

VOROPANOV, PETR VASIL'EVICH, 1902-

Anniversary of Professor Petr Vasil'evich Voropanov. E. Sysoev, D. Berger. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:173-174 '63.

VOROSHILOVGRAD see Lugansk

VORTEX MOTION

A class of vortex flows O. P. Sidorov Izv. vys. ucheb. zav., av. tekh. 6 no 4 175-179 '63

Hollow vortex in a channel. V. M. Bagin. Izv. AN SSSR. Mekh. i mashinostr. no. 4:129-132 Jl-Ag '64.

VORTEX TUBE

Vortex tube operating on natural gas. V. M. Entov, V. N. Kalashnikov, IU. D. Raiskii. Gaz prom. 9 no. 4:34-39 '64.

VOTRUBA, JIŘÍ

Before the shutter of the camera clicked.... Otakar Bruna Starsh.-serzh no 7.35 Jl '64

VOVCHOK, MARKO, pseud. see Markovych, Mariia Oleksandrivna (Vilinskaia), 1834-1907

VRUBEL', MIKHAIL ALEKSANDROVICH, 1856-1910

Vrubel', M. A. [Mikhail Aleksandrovich Vrubel'; an album] Mikhail Aleksandrovich Vrubel'; [al'bom]. Moskva, Gos. izd-vo izobraz. iskus., 1963. 8 p. illus.

VULCANIZATION

"Locking" conveyor belts by splicing. P. T. Nagaenko. Koks i khim. no. 6:56-58 '64.

Molecular sieves (zeolites) as rubber curing accelerators. Kh. M. Borodushkina and others. Dop. AN URSR no. 8: 1084-1087 '64.

VULKANESHTY REGION (MOLDAVIA)—FRUIT—MARKETING

The first results are encouraging. N. Karpunin. Zakup. sel'khoz. prod. no 1·54 Ja '64

VULKANESHTY REGION (MOLDAVIA)—VEGETABLES—MARKETING

The first results are encouraging N. Karpunin. Zakup. sel'khoz prod no. 1·54 Ja '64

VULTURES see subdivision under Tien Shan

VULVA—CANCER

Cancer of the vulva and pregnancy. S. M. TSvei, IA. V. Bokhman. Akush. i gin. 40 no. 1:144-145 Ja-F '64.

VULVA—DISEASES

Kraurosis and leukoplakia of the vulva; clinical and morphological analysis. L. I. Dekster, E. L. Neishtadt. Vop. onk. 10 no. 3:98-104 '64.

VULVA—TUMORS

Puerperal hematoma of the vulva and vagina. O. V. Galaeva. Akush. i gin. 40 no. 1:137-138 Ja-F '64.

VYATKA GOVERNMENT—ARCHIVES

History of archival construction in the Vyatka Government during the first years of the Soviet regime. N. N. Mitrofanov, V. N. Shabanov. Vop. arkh. 8 no. 3:49-53 Jl-S '63.

VYBORG—RUSSIAN SOCIAL DEMOCRATIC PARTY

The newspaper "Znamia bor'by" as a militant organ of the Bolsheviks in Vyborg in 1917. M. Kh. Kiuru. Uch. zap. Petrozav. gos. un. 11 no. 1.23-36 '62.

WAGES

New instruction of the Central Statistical Administration "On the composition of the wage fund of workers and employees." V. Pavlov Vest. stat. no. 8:35-43 '64.

Payment for idle time and faulty production. Sov. profsoiuzy 20 no. 15:44 Ag '64.

Problems of labor and of the distribution of material goods during the period of the transition to communism. I. V. Pusenkova. Trudy kaf. obshchestv. nauk OEIS no. 3: 86-104 '62.

WAGES—CONSTRUCTION WORKERS

Goberman, M. D., and A. N. Rusakov. [Establishment of technical norms and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve. Moskva, Stroiizdat.

Pt. 1. [Technical and wage norms] Tekhnicheskoe i tarifnoe normirovanie. Izd. 3., dop. 1964. 447 p.

Improve the bonus system for the workers of planning organizations. I. Fedorova. Plan. khoz. 41 no. 8:85-87 Ag '64.

WAGES—FARM MECHANIZATION

[illegible] Semernoi. Ekon. [illegible]

WAGES—OIL INDUSTRIES

Concerning I. Sh Siganur's article "Need for a correction of the present-day wage system for maintenance and repair workers" M M. Pakhmanov. Masl.-zhir. prom. 30 no 7:40 Jl '64.

WAGES—RETAIL TRADE

Fomin, G. IA., comp. [Work and wages in state commerce; collection of regulatory materials] Trud i zarabotnaia plata v gosudarstvennoi torgovle; sbornik rukovodiashchikh materialov. Izd. 3., perer. Pod red. N I. Vasenina. Moskva, Ekonomika, 1964. 302 p.

WALL NEWSPAPERS see subdivision under Moscow

WALLS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Preparing keramzit and reinforced foamed concrete panels for walls of industrial buildings; practices of the No. 2 Combine for Reinforced Concrete Structures of the Main Administration for the Building Materials Industry of Moscow Province] Izgotovlenie keramzito- i armopenobetonnykh panelei dlia sten promyshlennykh zdanii; opyt kombinata zhelezobetonnykh konstruktsii No. 2 Glavmospromstroimaterialov. Moskva, Gosstroiizdat, 1963. 43 p.

[MICROFILM]

Morozov, N. V. [Elements of walls in large-panel apartments] Konstruktsii sten krupnopanel'nykh zhilykh zdanii. Moskva, Stroiizdat, 1964. 290 p.

WALTZ

Meilikh, E. I. [Johann Strauss; from the history of the Viennese waltz] Iogann Shtraus, iz istorii venskogo val'sa. Izd. 2., dop. Leningrad, Muzyka, 1964. 175 p. illus.

WAR

World wars of the 20th century and the dialectics of history. V. Gantman, A. Nikonov, D. Tomashevskii Mir. ekon. i mezhdunar. otn. no. 8,3-15 '64.

WAR—ECONOMIC ASPECTS

Military expenditures of the countries of NATO for 15 years. A. Anisimov. Fin. SSSR 38 no 6:83-86 Je '64.

WAR (INTERNATIONAL LAW)

Russia's role in the development of international law. E. A. Berkov. Uch. zap. IMO no. 16:269-297 '63

WARPING MACHINES

Alekseev, K. G. [Working principles and maintenance of the warping machines for cotton manufacture] Ustroistvo i obsluzhivanie snoval'nykh mashin khlopchatobumazhnogo proizvodstva. Izd. 2., perer. Moskva, Izd-vo "Legkaia industriia," 1964. 179 p. diagr. (insert. Uchebniki i uchebnye posobiia dlia rabochikh massovykh professii)

WARSAW—MUSIC FESTIVALS

Notes on the "Warsaw autumn." L. Rakov. Sov. muz. 28 no. 2:126-128 F '64.

WARSAW—UPRISING OF 1943

Uprising in the Warsaw ghetto. D. Kunina. Voen.-ist. zhur. 5 no. 4:122-126 Ap '63.

WARSAW—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Warsaw winter of 1945 J Iwaszkiewicz. Nov vrem. 21 no. 29:16-18 Jl '64

WATER—CHEMICAL COMPOSITION

Hydrochemical method for calculating the rate of the abrasion process G A Saf'ianov Izv. Vses geog ob-va 96 no 3 231-234 My-Je '64

WATER—COMPOSITION

(see also subdivision under Burla River, Don River, Okunevets, Lake, Pskov Province, Zhemchuzhnoye, Lake, Karelia)

Effect of the anion and cation composition of waters on the passage of chromium ores in aqueous solution A.R. Galstian Izv AN Arm.SSR Nauki o zem 17 no.2 63-67 '64

Structure of water. O.IA Samoilov. Ukr.fiz.zhur. 9 no.4:387-393 Ap '64

Theoretical prerequisites for the transformation of acidotrophic lakes into eutrophic lakes. V.N. Abrosov. Izv. GosNIORKH 55.60-69 '63.

WATER—LAWS AND LEGISLATION

Koretskii, V.I [Problems of the codification of Soviet water law] Voprosy kodifikatsii sovetskogo vodnogo zakonodatel'stva Stalinabad, Tadzhikskii univ , 1961. 38 p.

[MICROFILM]

WATER—MICROBIOLOGY

Growth promoting substance of petroleum origin as a factor helping to improve the quality of water microflora research. M. Ganiev, S.S. Efendiev, F.A Kurbanova. Dokl.AN Azerb SSR 20 no.5.75-79 '64.

WATER—OXYGEN CONTENT

Use of polarographic method in measuring the oxygen requirement rate by aquatic animals L.V Kamliuk Nauch dokl vys shkoly, biol nauki no 3 49-53 '64

WATER—POLLUTION

(see also subdivision under Ul'yanovsk Province)

Development of thermal power engineering and the protection of atmospheric air, lakes, rivers, and soil from pollution N G Zalogin Teploenergetika 11 no 7 2-6 Jl '64

WATER—THERMODYNAMICS

Temperature-dependent differences in the thermodynamic properties of water and electrolyte solutions. I.S. Galinker and others Ukr.fiz zhur 9 no.4:401-405 Ap '64

WATER, DISTILLED

Quality of water used in pharmacies of the Ukrainian S S.R for the preparation of injections M D Denysov Farmatsev.zhur 18 no 5:12-16 '64

WATER, UNDERGROUND

(see also subdivision under Aldan Plateau; Angara Valley, Azerbaijan; Bratsk District, Irkutsk Province, Buryat A.S S.R., Bylyra Valley, Chara Valley, Chita Province, Ingoda Valley, Chita Province, Irkutsk Basin, Irkutsk Province, Kamchatka; Khabarovsk Territory, Krasnoyarsk Territory; Kurile Islands; Kuznetsk Basin; Lena Valley, Olekma Valley, Chita Province, Sakhalin; Sayan Mountains; Siberia, Siberian Platform; Sliudyanka region, Irkutsk Province, Soviet Far East; Syrian Desert, Tajikistan; Tomsk Province; Tyumen' Province; West Siberian Plain)

Effect of the artificial lowering of the underground water level on the condition of the earth's surface. I.V Garmonov, A A.Konoplianisev. Razved.i okh.nedr 30 no.2 45-48 F '64

Effects of organic impurities on the oxidation regularities of iodine ion with chlorine and hypochlorite in natural water. G R Zalkind, S.I IArovskii. Izv. AN Turk SSR.Ser.fiz.-tekh.,khim.i geol.nauk no 2 39-43 '63.

Introducing a filter sampler. A.G.Teslia, V.A.Lobodin. Razved.i okh.nedr 30 no 2;54-56 F '64.

Methods for processing the results of regime observations of ground waters R M Mirzakhodzhaev Uzb geol zhur 7 no 6:38-42 '63

Nonsteady pressure-pressureless movement of underground waters to water intakes. F.M.Bocherev, L.S. IAzvin. Trudy Lab.inzh.gidrogeol.VODGEO no.5: 124-137 '63

UGBKh-150 automotive rig for drilling hydrogeological wells. V.B.Orlov. Mash.i neft.obor. no.4:3-4 '63.

WATER, UNDERGROUND—MAPS

Hydrogeological map of the U S.S.R. made on a 1:5,000,000 scale I.K. Zaitsev Mat.Kom.po izuch podzem vod Sib.i Dal' Vost. no.2:19-33 '62.

Methods for the compiling of general hydrogeological maps. Mat.Kom.po izuch.podzem.vod Sib.i Dal'.Vost. no.2:34-36 '62.

WATER FLEAS

Study of the populations of Cladocera by the method of semi-isolation in a body of water. K.A.Voskresenskii, L.I. Lebedeva Zool.zhur. 43 no.4:518-524 '64.

WATER HAMMER

Solving problems of indirect water hammer in a slightly viscous liquid. D.N.Smirnov, L B Zubov. Trudy Gidrav.lab.VODGEO no.10.180-196 '63.

WATER HEATERS

Causes of the ejection of gas combustion products from the combustion chamber of an AGV-80 water heater. M.A Kisanova, E.M.Terk. Gaz.prom. 8 no.9.21-22 S '63.

Consultation Gaz.prom. 8 no.6.44 '63.

Quality of a water pipe heated in contact gas economizers. I Z.Aronov, E.N.Solodovnikova. Gaz prom. 9 no.4: 21-25 '64.

WATER IN THE BODY

Relationship between the distribution of water in intercellular tissue and vascular spaces in dogs immediately after unilateral nephrectomy. S S.Polushkina. Pat fiziol.i eksp.terap. 6 no 4:69-72 Jl-Ag '62.

WATER METABOLISM

Water and air economy of some water plants N I Antipov Bot zhur 49 no 5 702-707 My '64

Water-electrolytic disorders of metabolism in urological diseases. A.IA.Pytel', S.D.Goligorskii. Urologiia no.1:3-11 '64.

WATER ON THE BRAIN see Hydrocephalus

WATER PIPES

Results of full-scale hydraulic studies of water supply channels. A.M Latyshenkov. Trudy Gidrav.lab. VODGEO no 10;247-254 '63.

WATER RESOURCES DEVELOPMENT see subdivision under Kura River Basin

WATER RESOURCES DEVELOPMENT—CONGRESSES

Australian symposium on water resourses. L.V.Dunin-Barkovskii, V N.Kunin Izv AN SSSR.Ser geog no.4 146-152 '64

WATER SUPPLY

"Water supply. Design standards." Biul.stroi.tekh. 20 no 7:12-14 Jl '63.

WATER SUPPLY, RURAL

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for designing rural water supply] Ukazaniia po proektirovaniiu sel'skokhoziaistvennogo vodosnabzheniia (SN 267-63). Moskva, Stroiizdat, 1964. 24 p.

WATER-SUPPLY ENGINEERING—EQUIPMENT AND SUPPLIES

First All-Union Scientific and Technical Conference on the Use of Polymeric and Synthetic Materials in Water Supply Engineering. V.I.Antonov. Plast.massy no.2: 76-77 '64.

WATER VAPOR

Specific gravity and water vapor pressure of lithium tetraiodomercuroate crystal hydrates A.I. Pozigun Nauch.ezhegod.Khim.fak Od un. no.2:52-54 '61.

WATER VAPOR—THERMODYNAMICS

Application of similarity methods for the study of certain properties of water vapor. A.G.Usmanov, N.U.Bakirov. Zhur.fiz.khim. 36 no.3.591-595 Mr '62.

WATERPROOFING

Steam and waterproofing of enclosing structures of administration and general services combines. A A. Rybiantsev. Adm.-byt komb.ugol.shakht no.6;83-92 '62.

Using water repellants to prevent the discoloration in masonry and stucco. R.F.Zabelina, S.B.Salidzhanov. Sbor.nauch.trud.NII po stroi.ASIA no.4:78-83 '63.

WATERWAYS

On waterways and in seaports S.S Demeshev. Transp. stroi 14 no 1 26-27 Ja '64.

WATERWEED see subdivision under Volga Valley

WATERWORKS INTAKES see Intakes (Hydraulic engineering)

WAVE GUIDES

Broadband waveguide power stabilizer. R.A.Valitov, E.A.Domanova, V.T TSarenko. Izv.vys.ucheb.zav.; radiotekh. 7 no.2;253-256 Mr-Ap '64.

Calculation of a cylindrical nonuniformity of a waveguide. IU.P.Radin. Izv.vys.ucheb.zav.; radiotekh. 7 no.2; 164-170 Mr-Ap '64.

Calculation of losses in a septate waveguide with finite conductivity of the walls. K. M. Arkhipova, V. A. Sudakov. Probl. pered. inform. no.15:94-102 '63.

Calculation of the coupling of rectangular multiwave waveguides. V.S.Buriak. Izv.vys ucheb.zav.; radiotekh. 7 no.2;212-219 Mr-Ap '64.

Characteristics of some ferrite microwave phase shifters. I.M.Grankin, IU.F.Larkin. Izv.vys.ucheb. zav.; radiotekh. 7 no.2;186-190 Mr-Ap '64.

Experimental study of the frequency dependence of a circulator magnetizing current. G.P.Veselkov. Izv. vys.ucheb.zav., radiotekh. 7 no.2;241-243 Mr-Ap '64.

Frequency dependence of the attenuation factor of comb-type delay systems. V.N.Artem'ev, L.I.Kats. Radiotekh.i elektron. 9 no.7:1214-1222 Jl '64.

Inductive diaphragms in H and P type waveguides. N.V. Liapunov, IU.M.Borodavko, A.D.Zaitsev. Radiotekh. i elektron. 9 no.7:1313-1318 Jl '64.

Measurement of H_{01} wave losses in multiwave waveguide lines using a pulse train technique. A.I.Kozelev, R.F.Matveev. Izv.vys.ucheb.zav , radiotekh. 7 no.2:154-163 Mr-Ap '64.

Ring cavities on waveguides with complex cross sections. A.I.Tereshchenko, A.F.Zorkin. Radiotekh.i elektron. 9 no.7:1206-1213 Jl '64.

Theory of a waveguide with a nonstationary filling. K.A. Barsukov. Radiotekh.i elektron. 9 no.7:1173-1178 Jl '64.

Theory of matching regular and septate waveguides. G.N.Rapoport, L.M.Andrushko. Izv.vys.ucheb.zav.; radiotekh. 7 no.2;250-253 Mr-Ap '64.

Wave modes in a surface wave line. N.A.Semenov. Radiotekh.i elektron. 9 no.7:1199-1205 Jl '64.

Waves with complex propagation constants in coupled transmission lines without energy dissipation. A.M. Beliantsev, A.V.Gaponov. Radiotekh.i elektron. 9 no.7:1188-1197 Jl '64.

WAVES

Invariant description of gravitation waves. V.D. Zakharov. Soob.GAISH no.131:42-59 '61.

Materials on the characteristic interaction of waves with sloping walls. A.S.Ofitserov. Trudy Gidrav.lab. VODGEO no.10 5-37 '63.

Propagation of weak perturbances in mixtures. P.P. Zolotarev. Izv.AN SSSR.Mekh.i mashinostr. no.4: 178-180 Jl-Ag '64.

Second group of Rayleigh waves. Sh.S.Ragimov. Dokl. AN Azerb.SSR 19 no.9.51-53 '63.

Wave damping on the surface of liquids. A.S.Ofitserov. Trudy Gidrav.lab.VODGEO no.10:83-150 '63.

WEASELS—PARASITES see Parasites—Weasels

WEATHER

Causes of the discrepancy between atmospherics and weather conditions. V.A Solov'ev. Trudy GGO no.157:73-75 '64.

Location of near atmospherics and weather conditions. I.I.Kamaldina. Trudy GGO no.157 70-72 '64.

Study on the causes of the discrepancy between atmospherics location and weather conditions N.I. Laushin. Trudy GGO no.157:76-84 '64

WEATHER FORECASTING

Monthly weather forecasts. IU.B.Khrabrov. Meteor. i gidrol no.7:63-64 Jl '64.

Weather forecasting for the U.S.S.R. in July, 1964. Meteor i gidrol no.6 65-68 Je '64.

Weather forecasting for the U.S.S.R. in August 1964. Meteor.i gidrol. no.7 65-68 Jl '64

Weather forecasting for the U.S.S.R. in September 1964. Meteor.i gidrol. no.8:61-64 Ag '64.

WEATHERING see subdivision under Africa; Ural Mountain region

WEAVING

Effect of the mechanical actions in weaving on the changes in the technological properties of the warp. L.T. Zolotarevskii. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6:105-112 '63

WEED CONTROL

(see also subdivision under Siberia, Western; Virgin Territory)

Weed control in millet fields using atrazine, propazine, and simazine. G.A.Matveenko. Khim.v sel'.khoz. 2 no.4:38-39 Ap '64.

WEEDS see subdivision under Virgin Territory

WEEVILS

(see also subdivision under White Russia)

Phylogenetic relations among the weevils of the subfamily Cleoninae (Coleoptera, Curculionidae). M.E. Ter-Minasian. Ent.oboz. 42 no.4:782-792 '63.

WEIGHING MACHINES

Automatic weighing. IU.N.Novikov, G.I.Shevchenko. Mekh.i avtom.proizv. 18 no.1:14-16 Ja '64.

WEIGHT FUNCTIONS

Completeness of a system of finite-dimensional invariant subspaces of a nonself-adjoint singular differential operator of second order relative to a real weight function. E.M.Dzhabrailova. Dokl.AN SSSR 157 no.4: 774-776 Ag '64.

WEIGHTLESSNESS

Man in weightlessness; psychophysiological reactions. V. Lebedev. Av.i kosm. 47 no.9:77-82 S '64.

WEIGHTS AND MEASURES
(see also subdivision under Siberia)

The 52nd session of the International Committee on Measures and Weights. G. D. Burdun. Izm tekh. no. 3:49-50 Mr '64.

WELDING

Breitman, M. M., and L. P. Shebeko. [Economics, organization and planning of welding production] Ekonomika, organizatsiia i planirovanie svarochnogo proizvodstva. Moskva, Izd-vo "Mashinostroenie," 1964. 207 p.

Improving the qualification of welding engineers G. D. Nikiforov, G V Bobrov. Avtom. svar 17 no. 7 96 Jl '64

WELDING—CONGRESSES

Fifteenth final session on welding held in Leningrad. IU V. Sharapov Avtom svar 17 no. 7 93-94 Jl '64.

Third Conference on welding held in the Baltic region. V. D. Pisklich. Avtom svar. 17 no. 7,95-96 Jl '64

WELDING—QUALITY CONTROL

In the Commission on the Quality Control of Welds and Hard Faced Parts A. S Kuklin Avtom. svar 17 no. 7 94-95 Jl '64.

WELDING—TESTING

Determining the structural strength of welds in thin-sheet, high-strength hardenable steel S. L. Mandel'berg, B N Kushnirenko. Avtom. svar 17 no. 7 90-91 Jl '64.

Quantitative test specimens for the determination of the technological strength of metals in the crystallization process N. N Prokhorov, I A Arutiunova Avtom. svar. 17 no. 7,6-10 Jl '64.

WELLS

Calculation of water intake and water-level reducing wells in "closed layers." F. M. Bocherev. Trudy Lab. inzh. gidrogeol. VODGEO no. 5:65-94 '63.

Effect of chemical precipitations in the filtration zone of wells on their capacity. V. M. Beliakov. Trudy Lab. inzh. gidrogeol. VODGEO no. 5:53-64 '63.

WELLS—BOUNDARY VALUE PROBLEMS

Silt deposition in the end face region around a well. N. N. Verigin. PMTF no. 2:74-80 Mr-Ap '64.

WENDIC PHILOLOGY

Works on Sorbian-Lusatian philology in Leipzig. R. Fischer. Vop. iaz. 12 no. 4:147 Jl-Ag '63.

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN—ASPHALTENES

Effect of asphaltenes on the permeability of reservoir bottom zones. V. A. Sidorovskii. Neftepröm. delo no. 7:15-18 '64.

WEST SIBERIAN PLAIN—OIL SANDS—PERMEABILITY

Effect of asphaltenes on the permeability of reservoir bottom zones. V. A. Sidorovskii. Neftepröm. delo no. 7:15-18 '64.

WEST SIBERIAN PLAIN—OIL WELLS

Nesterov, I. I., and others. [Surgut key well (Tyumen Province)] Surgutskaia opornaia skvazhina (Tiumenskaia oblast'). Leningrad, Nedra, 1964. 187 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 226)

WEST SIBERIAN PLAIN—PETROLEUM GEOLOGY

Nizhne-Vartovskoye arch, a large zone of oil and gas accumulation. F. G. Gurari, S. I. Bliznichenko. Geol. nefti i gaza 8 no. 8:8-14 Ag '64.

WEST SIBERIAN PLAIN—PROSPECTING—GEOPHYSICAL METHODS

Combined geophysical investigations in the West Siberian Plain. IU. I. Brylkin, L. A. Sigal, Geol. nefti i gaza 7 no. 11:38-42 N '63.

WEST SIBERIAN PLAIN—WATER, UNDERGROUND

Basic characteristics of the hydrogeology of the southern part of the West Siberian Plain. S. V. Egorov. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:43-52 '62.

Underground waters in the south of the West Siberian Plain and their practical significance. E. V. Mikhailova. Mat. Kom. po izuch. podzem. vod Sib. i Dal'. Vost. no. 2:53-59 '62.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WHALE PRODUCTS—STORAGE

Mass losses and vitamin A content changes in whale liver during storage. A. N. Golovin. Trudy Azcherniro no. 21:50-53 '63.

WHALERS

Experimental fishing from whalers. S. S. Vinnov. Trudy Azcherniro no. 21:18-20 '63.

WHARVES

Light gravity quay with discharging and screening platforms. V V. Kas'ianov. Transp. stroi. 14 no. 1:26-29 Ja '64.

WHEAT
(see also subdivision under Armenia; Bol'shaya Glushitsa region, Kuybyshev Province)

Characteristics of radiation-induced mutations in spring wheat as related to the type of radiation applied. P. K. Shkvarnikov, I. V. Chernyi. Izv. Sib. otd. AN SSSR no. 10:100-110 '62.

Dynamics of carbohydrates and nitrogenous substances in various organs of wheat during a drought F. A. Polimbetova, S. P. Sudeiko. Trudy Inst. bot AN Kazakh. SSR 16:38-50 '63.

Importance of the environmental conditions in the formation of the technological qualities of the grain of winter wheat. A. A. Sozinov, V. G. Kozlov Agrobiologiia no. 1:115-119 Ja-F '64

Influence of individual organs on the development of wheat grain. F A. Polimbetova, L. K. Mamonov. Trudy Inst. bot. AN Kazakh. SSR 16:51-63 '63.

Using carbine for controlling wild oats in wheat fields V. A. Zakharenko. Agrobiologiia no. 1:153-155 Ja-F '64.

WHEAT—ANALYSIS

Biochemical and some technological indices of the grain of the winter wheats of Kazakhstan T. B Darkanbaev and others. Trudy Inst. bot AN Kazakh. SSR 16:3-37 '63.

Enzymatic reduction of disulfide bonds in proteins and low-molecular substances of wheat flour. N. I. Proskuriakov, E. S. Zueva Dokl. AN SSSR 158 no. 1:232-234 S-O '64.

WHEAT—DISEASES AND PESTS see subdivision under Saratov Province

WHEAT—VARIETIES see subdivision under Kazakhstan

WHEELS—WELDING

Pavlichenko, V. S. [Resistance welding of parts with a closed contour] Kontaktnaia svarka izdelii zamknutoi formy. Moskva, Mashinostroenie, 1964. 112 p.

WHEY

Use of whey in bread making. S I. Seferov, I. S. Irkha, M. P. IAkhontova. Khleb. i kond. prom 8 no. 7:30-33 Jl '64.

WHITE RUSSIA—ANTIBIOTICS AS FEEDS

Economic efficiency of using feed antibiotics. K. Solntsev Ekon. sel'khoz. 35 no 6 71-74 Je '64.

WHITE RUSSIA—ASH (TREE)

Physiology of the ripening and germinating of European ash seeds. A. I. Savchenko. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:46-49 '63.

WHITE RUSSIA—BOTANY, MEDICAL

Study of popular medicinal plants in White Russia. V. H. Nikalaeva. Vestsi AN BSSR. Ser. biial. nav. no. 4:44-47 '63.

WHITE RUSSIA—BRIQUETS (FUEL)

Manufacture of peat semi-briquets in the White Russian S. S. R. I. G. Tanovitskii, E. A. Osadchii. Torf. prom. 41 no. 1:18-20 '64.

WHITE RUSSIA—DOLOMITE

Using dolomite for high-strength concretes. M. M. Izraelit, N. S. Gerashchenkov. Stroi. mat. 9 no. 6:25-26 Je '63.

WHITE RUSSIA—ECONOMIC CONDITIONS

Our commentary. Nov. vrem. 22 no 32:3-4 Ag '64.

WHITE RUSSIA—FARM MECHANIZATION—RESEARCH

Matsepuro, M. E. [White Russian Scientific Research Institute for the Mechanization and Electrification of Agriculture] Belorusskii nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Minsk, Izd-vo Akad. sel'khoz. nauk BSSR, 1960. 285 p.

[DNAL MICROFILM]

WHITE RUSSIA—FIELD CROPS

Gorki (Mogilevskaya oblast'). Belaruskaia akademiia sel'skae haspadarki. Agronomicheskii fakul'tet. [Abstracts of the reports of the Scientific Conference of the Teaching Staff] Tezisy dokladov nauchnoi konferentsii professorsko-prepodavatel'skogo sostava (konferentsiia sostoitsia 16-19 aprelia 1963 g.) Gorki, 1963. 81 p.
(DNAL)

WHITE RUSSIA—FIR

Soil and ground conditions for the growth of Miroslav oak and fir - and - oak stands. I. K. Blintsov. Dokl. AN BSSR 7 no. 12:847-850 D '63.

WHITE RUSSIA—FISHES

Changes in the composition of the ichthyofauna of the waters of White Russia during the past 100 years. P. I. Zhukau. Vestsi AN BSSR. Ser. biial. nav. no. 4:120-126 '62.

WHITE RUSSIA—FOOD—COMPOSITION

Iodine content in food products of local origin in regions of the White Russian S.S.R. with various distribution rates of endemic goiter. L. F. Romysh, R. L. Patent, G. IA. Godes. Vop. pit. 23 no. 1:51-57 Ja-F '64.

WHITE RUSSIA—FOREST SOILS

Soil and ground conditions for the growth of Miroslav oak and fir - and - oak stands I K Blintsov Dokl. AN BSSR 7 no. 12:847-850 D '63.

WHITE RUSSIA—GEOLOGY, STRATIGRAPHIC

Littoral facies in the Kharkov series of White Russia. M. N. Gurskii, S S. Manykin. Dokl. AN BSSR 7 no 12:825-828 D '63.

WHITE RUSSIA—GOITER

Iodine content in food products of local origin in regions of the White Russian S.S.R. with various distribution rates of endemic goiter. L. F. Romysh, R. L. Patent, G. IA. Godes. Vop. pit. 23 no 1,51-57 Ja-F '64.

WHITE RUSSIA—GOLDFISH

Cultivation of the goldfish (Carassius auratus L.) in the White Russian S. S. R. V. K. Dambrouski Vestsi AN BSSR Ser biial. nav. no 4:123-131 '63.

WHITE RUSSIA—HEATHER

Cultivation practices in plantations of a heather type pine forest (A_1). V. P. Grigor'ev. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:34-36 '63.

WHITE RUSSIA—LABOR AND LABORING CLASSES

IUrevich, U. M. [First necessity] Pershaia neabkhodnast'. Minsk, Dziarzh. vyd-va BSSR, 1963. 38 p. (Hutarki na maral'na-etychnyia temy)

Khlimanau, V. V. [Blue morning] Blakitnaia ranitsa. Minsk, 1963. 58 p. (Bibliiatechka hazety "Holas Radzimy")

WHITE RUSSIA—MOSQUITOES

Ecology of the hibernation of the malaria mosquito Anopheles maculipennis Mg. (Diptera, Culicidae) in northern districts of the White Russian S. S. R. A. G. Maevskii. Ent oboz. 42 no 4 744-756 '63

WHITE RUSSIA—MOSSES

Occurrence of new species of mosses in White Russia. G. F Rykovskii Vestsi AN BSSR. Ser biial. nav no. 4:134-136 '63.

WHITE RUSSIA—NEMATODA

Skrjabingylus invasion in fur-bearing mammals of the family Mustelidae in White Russia V. T Shimalov Vestsi AN BSSR. Ser. biial nav no. 4:132-133 '63.

WHITE RUSSIA—OAK

Soil and ground conditions for the growth of Miroslav oak and fir - and - oak stands. I. K. Blintsov Dokl. AN BSSR 7 no. 12:847-850 D '63.

WHITE RUSSIA—OWLET MOTHS

Owlet moths of White Russia. O. I. Merzhaeuskaia. Vestsi AN BSSR. Ser. biial. nav. no. 4:127-129 '62.

WHITE RUSSIA—PARASITES—MUSTELIDAE

Skrjabingylus invasion in fur-bearing mammals of the family Mustelidae in White Russia V. T. Shimalov Vestsi AN BSSR. Ser. biial. nav. no. 4:132-133 '63.

WHITE RUSSIA—PEAT SOILS

Studying the lodging resistance of barley varieties on peat soils. R. I. TSarova. Vestsi AN BSSR. Ser. biial. nav. no. 4:40-45 '62.

WHITE RUSSIA—PINE

Cultivation practices in plantations of a heather type pine forest (A_1). V. P. Grigor'ev. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:34-36 '63.

WHITE RUSSIA—POLITICS AND GOVERNMENT

History of the formation of the White Russian S. S. R. V. A. Krutalevich. Vop ist 39 no 7 33-46 Jl '64

WHITE RUSSIA—POTASH MINES AND MINING

Investigating the carrying capacity of rod bolting in the Starobin potassium salt deposit. N. G. Luk'ianov. Izv. vys. ucheb. zav.; gor. zhur. 7 no 3:36-40 '64.

WHITE RUSSIA—REFORESTATION

Cultivation practices in plantations of a heather type pine forest (A_1). V. P. Grigor'ev. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:34-36 '63.

WHITE RUSSIA—REVOLUTION, 1917-1921

History of the formation of the White Russian S. S. R. V. A. Krutalevich. Vop. ist 39 no. 7:33-46 Jl '64.

Kamenskaia, N. V. [White Russian people in the struggle for Soviet power, 1919-1920] Belorusskii narod v bor'be za sovetskuiu vlast', 1919-1920 gg. Minsk, Izd-vo Akad. nauk BSSR, 1963. 261 p.
(InU) (NjP)

WHITE RUSSIA—SOIL MOISTURE

Methods for determining the maximum hygroscopicity of soils. N. I. Afanas'ev. Dokl. AN BSSR 8 no. 2:133-135 F '64.

WHITE RUSSIA—SQUIRRELS

Trophic relations, enemies and parasites of the squirrel (Sciurus vulgaris Fedjuschini Ogn.) in White Russia. IU. I. Siarzhanin. Vestsi AN BSSR. Ser. biial. nav. no. 4:107-112 '63.

WHITE RUSSIA—STATISTICS

White Russia. Statisticheskoe upravlenie. [Development of the national economy of the White Russian S S R during the 20 years, 1944-1963, a statistical abstract] Razvitie narodnogo khoziaistva Belorusskoi SSR za 20 let (1944-1963 gg), statisticheskii sbornik Minsk, Izd-vo "Belarus'," 1964. 214 p.

White Russia. Statisticheskoe upravlenie. [The White Russian S.S.R. in figures, a brief statistical abstract] Belorusskaia SSR v tsifrakh, kratkii statisticheskii sbornik. Minsk, Gosstatizdat, Belorusskoe otd-nie, 1963. 283 p.

WHITE RUSSIA—TREES IN WINTER

Dynamics of reserve substances in the annual shoots of woody plants V A. Smirnova, H F Zakharenkava Vestsi AN BSSR Ser biial, nav no 4 12-18 '63

WHITE RUSSIA—TRICHINA AND TRICHINOSIS

Classification of the foci of Trichinella invasion V. P Pashuk Vestsi AN BSSR. Ser biial nav no 4:137-139 '63.

WHITE RUSSIA—WEEVILS

Materials on the species and ecology of weevils (Coleoptera, Curculionidae) in White Russia T H Ifoanisiiani, A V Birh, N K Laurova Vestsi AN BSSR. Ser biial. nav no 4:113-122 '63

WHITE RUSSIA—WOOD-DECAYING FUNGI

Komarova, E. P. [Guide to pore fungi of White Russia] Opredelitel' trutovykh gribov Belorussii. Pod red. V. F. Kuprevicha. Minsk, Izd-vo "Nauka i tekhnika," 1964 342 p illus.

WHITE RUSSIA—WOODY PLANTS

Anatomic characteristics of leaves as an indicator of the photophily of plants. H. I Marhaltik Vestsi AN BSSR Ser. biial. nav no. 4:19-27 '63

WHITE RUSSIA—WORLD WAR, 1939-1945

Glorious victory of our troops. I. Petrov. Voen. znan. 40 no 7.6-7 Jl '64

WHITE RUSSIAN LANGUAGE—OLD WHITE RUSSIAN—DICTIONARIES

Preparing a dictionary of the Old White Russian language. A. I. Zhuravskii. Vop. iaz. 12 no. 4.142-145 Jl-Ag '63

WHITE RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—White Russian literature

WHITE RUSSIAN MANUSCRIPTS see Manuscripts, White Russian

WHITE SEA REGION—FOLDS, GEOLOGY

Genetic types of small fold deformations in the gneisses and migmatites and their significance for structural mapping as revealed by a study of the Archean in the White Sea region. K. A. Shurkin. Trudy Lab. geol. dokem. no. 19:58-77 '64.

WHITE SEA REGION—GEOLOGY, STRUCTURAL—MAPS

Genetic types of small fold deformations in the gneisses and migmatites and their significance for structural mapping as revealed by a study of the Archean in the White Sea region. K. A. Shurkin. Trudy Lab. geol. dokem. no. 19.58-77 '64.

WHITE SEA REGION—PEGMATITES

Structural prerequisites for forecasting the Archean pegmatites in the northwestern White Sea Region. N. V. Gorlov. Trudy Lab. geol. dokem. no. 19:77-81 '64.

WHITEFISHES see subdivision under Okunevets, Lake (Pskov Province); Zhemchuzhnoye, Lake (Karelia)

WHITEFISHES—PARASITES see Parasites—Whitefishes

WIGS

Wigs of the 20th century. A. Surik. Teatr 24 no. 8:67 Ag '63

WILD OATS

(see also subdivision under Virgin Territory)

Using carbine for controlling wild oats in wheat fields. V. A. Zakharenko Agrobiologiia no. 1:153-155 Ja-F '64.

WILD RICE see subdivision under Kostroma Province

WILL

Training of will power in adolescents. L. I. Ruvinskii. Izv. APN no. 129:32-35 '63.

WINCHES

Hand winches for assembly and loading and unloading work. Biul stroi tekh 20 no 12.22 D '63.

WIND QUINTETS see subdivision under Moscow

WIND TUNNELS

Gorlin, S. M., and I. I. Slezinger. [Aeromechanical measurements, methods and instruments] Aeromekhanicheskie izmereniia; metody i pribory. Moskva, Izd-vo "Nauka," 1964. 720 p.

Pressure variations along the side walls and at the end face of the Eiffel chamber of a supersonic wind tunnel B. A. Balanin. Vest. LGU 19 no 13:85-88 '64.

WINDBREAKS, SHELTERBELTS, ETC. see subdivision under Bashkiria

WINDING MACHINES

Analyzing labor expenditure in the winding sections of cotton factories M. M. Kattakhodzhaev. Izv. vys. ucheb. zav., tekh. tekst prom. no. 6.11-17 '63.

WINDING MACHINES—HYDRAULIC DRIVE

Experimental testing of the winding mechanisms with a piston hydraulic drive. N. IA. Gladkikh. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 6:168-175 '63

WINDS

Accuracy in the determination of the wind by the radiometeorological station "Meteor " B S Debrenev. B P Istomin Meteor i gidrol no 6 46-48 Je '64.

Climatic characteristics of a wind model of the standard atmosphere. I G Guterman. Trudy NIIAK no. 24: 66-91 '63

Effect of vertical downward currents on the transformation of the wind field. N. A. Petrosian. Dokl AN Arm. SSR 37 no 4 203-210 '63

Nazarova, I. V. [Effect of wind on air temperature in the European part of the U. S. S. R.] Vliianie vetra na temperaturu vozdukha Evropeiskoi chasti SSSR. Leningrad, Gidrometeoizdat, 1964. 125 p.

Stationary problem of the transformation of temperature and wind velocity fields in the boundary layer of the atmosphere. G G. TSimmerman. Izv. AN Uz. SSR. Ser. fiz -mat nauk 7 no 5:77-86 '63.

WINDS—MAPS see subdivision under Pacific Ocean

WINDS—MEASUREMENT

Wind calculation with a navigation rule E. Chermnykh. Av i kosm 47 no 9 85 S '64

WINTER OLYMPICS see Olympic games (Winter)

WIRE—TESTING

Effect of repeated stress and recovery on the relaxation resistance of wire for prestressed reinforced concrete. V. I. Kokhno Stal' 23 no 4:375-377 Ap '64

Wear testing machine for wire. I I. Bokov and others. Zav. lab. 30 no. 6 755 '64.

WIRE BROADCASTING

Measurement of nonlinear distortions in a wire broadcasting channel A. A. Glukhov. Elektrosviaz' 18 no. 5:76-80 My '64.

WIRE DRAWING

Efficiency promoters of the "Krasnyi Profintern" Plant. Met. i gornorud. prom. no. 6:76 N-D '62

WIRE DRAWING—TESTING

Influence of vibratory drawing on the quality of wire. T. M. Golubev, P. Dischenko, B. D. Kokhriakov. Met. i gornorud. prom. no. 6:56-59 N-D '62.

WIRE DRAWING—VIBRATION

Relaxation vibrations during the drawing of wire. IU. A. Keshin. Izv. AN SSSR. Met. i gor. delo no. 2:75-84 Mr-Ap '64.

WIRE ROPE

New principle for the construction of steel wire ropes. V. F. Volokonskii. Ugol' Ukr. 7 no. 9:36 S '63.

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Hoisting crane drums; steel rope fastening] Barabany kranovye gruzovye, kreplenie stal'nogo kanata (MN 4806-63 i MN 4807-63). Moskva, Izd-vo standartov, 1963. 3 p. (SSSR. Normali mashinostroeniia)

WIRE ROPE TRANSPORTATION see Cableways

WIREWORMS—EXTERMINATION

(see also subdivision under Kostroma Province; Ukraine)

Using superphosphates with insecticide supplements in the protection of corn against wireworms. T. P. Skazkina, A. G. Treml', V. I. Zharkov. Khim. v sel'. khoz. 2 no. 4:29-31 Ap '64.

WITCH HAZEL

Pollen morphology of Hamamelidaceae and Altingiaceae. Chzhan TSzin'-tan' [Chang Chin-t'an]. Trudy Bot. Inst. Ser. 1 no. 13:173-232 '64.

WITTIG REACTION

Preparation of 1-aryl-5-phenyl-2,4-pentadien-1-ones by the Wittig reaction. A. A. Gigorenko, M. I. Shevchuk, A. V. Dombrovskii. Zhur. ob. khim. 34 no. 7:2254-2257 Jl '64.

WOMEN see subdivision under Nigeria; South Africa, Republic of

WOMEN—DISEASES

(see also subdivision under Donets Province)

X-ray diagnosis of stress urinary incontinence in women. A. N. Tetradov. Urologiia no. 1:29-32 '64.

WOMEN—EMPLOYMENT

The W. F. T. U. is a loyal defender of the interests of women workers Vsem. prof. dvizh. no 6:1-3 Je '64

WOMEN—HEALTH AND HYGIENE

Kostygova, T. M., and G. IU. Nikulina. [Beauty and health of the woman] Krasota i zdorov'e zhenshchiny. Moskva, Fizkul'tura i sport, 1964. 54 p. (Bibliotechka "Fizkul'tura i Zdorov'e")

WOMEN—RIGHTS OF WOMEN

For equal rights for working women. T. Nikolaeva. Sov. profsoiuzy 20 no 15:10-11 Ag '64.

WOMEN AS ATHLETES

Dynamics of physiological functions of women athletes during the ovarian menstrual cycle. V. N. Zhelezniakova. Teor. i prak. fiz. kul't. 27 no. 5:40-44 My '64.

Muscle strength and mobility of nervous processes in women athletes in connection with the ovarial-menstrual cycle. O. D. Zhovnovataia. Teor. i prak. fiz. kul't. 27 no. 4:34-35 Ap '64.

WOMEN AS MATHEMATICIANS

Zenkevich, I. G. [Destiny of talent; sketches of women mathematicians] Sud'ba talanta; ocherki o zhenshchinakh-matematikakh. [Briansk] Brianskii rabochii, 1964. 40 p.

WOMEN IN CONSTRUCTION see subdivision under Armenia

WOOD—CHEMISTRY

(see also subdivision under Asha)

At the section of hydrolysis and wood-chemical production. Gidroliz. i lesokhim. prom. 17 no. 3:32-3 of cover '64.

Surveying technological advances. Gidroliz. i lesokhim. prom. 17 no. 3:31-32 '64.

WOOD—CHEMISTRY—BIBLIOGRAPHY see Bibliography—Wood—Chemistry

WOOD—MOISTURE

Interrelationship between the moisture and heartwood formation in Pinus hamata Sosn. as influenced by climatic factors. E. D. Lobzhanidze, L. A. Gotsiridze. Soob. AN Gruz. SSR 33 no. 3:655-661 Mr '64.

WOOD, COMPRESSED

Twenty thousand parts made of compressed wood. I. P. Nazarenko. Mashinostroitel' no. 7:41-42 Jl '64.

WOOD ALCOHOL see Methanol

WOOD-DECAYING FUNGI see subdivision under White Russia

WOOD TAR—ANALYSIS

Chemical composition of soluble spruce tar from a combustion chamber of a V. V. Pomerantsev's-type producer. L. V. Kromina, D. V. Tishchenko. Gidroliz. i lesokhim. prom. 17 no. 3:18-19 '64.

WOOD WASTE

New material for floors made from industrial wastes. A. N. Minin, L. T. Kat'ko. Stroi. mat. 9 no. 6:10-10 Je '63.

Using wood sawdust in the construction of logging railroad tracks. F. V. Kokovkin, G. C. Petrov. Izv. vys. ucheb. zav.; les. zhur. 6 no. 3:163-165 '63.

WOODPULP INDUSTRY

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut tselliulozno-bumazhnoi promyshlennosti. [Handbook for the papermaker in three volumes] Spravochnik bumazhnika v trekh tomakh. Moskva, Izd-vo "Lesnaia promyshlennost'."

Vol. 1. Izd. 2., perer. i dop. 1964. 840 p.

Perekal'skii, N. P., and B. N. Moiseev. [Norms for lapping woodpulp from the screening and drying sections of wet machines] Normy s'ema tselliulozy s setochnoi i sushil'noi chastei presspatov. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 23 p. (Bumaga i tselliuloza)

[MICROFILM]

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Popov, I. S. [Reed thickets as a raw materials base for the woodpulp and paper industry] Trostnikovye zarosli kak syr'evaia baza tselliulozno-bumazhnoi promyshlennosti. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 243 p.

[Technology and equipment of the woodpulp, paper, and printing industry] Ref. zhur.: Tekh. i obor. tsel.-bum. i poligr. proizv. nos. 7-8 Jl-Ag '64.

WOODWORK

Shafarenko, M.S. [Mechanical processing of wood; handbook for the foreman of woodworking shops] Mekhanicheskaia obrabotka drevesiny, posobie masteru derevoobrabatyvaiushchego tsekha. Moskva, Izd-vo "Lesnaia promyshlennost', 1964. 107 p.

WOODWORKING INDUSTRIES see subdivision under Syktyvkar (Komi A.S.S.R.)

WOODWORKING INDUSTRIES—SAFETY MEASURES

[Safety manual for the workers of woodworking industries] Spravochnik po tekhnike bezopasnosti dlia rabotnikov derevoobrabatyvaiushchikh predpriiatii. Moskva, Izd-vo "Lesnaia promyshlennost'," 1964. 299 p.

WOODWORKING MACHINERY

Effect of the blunting of wood cutting instruments on the cutting force taking into consideration the direction of fibers and the species. T.A.Nosovskii. Izv.vys.ucheb.zav.; les.zhur. 6 no.3;102-106 '63.

Grube, A.E., and V.I.Sanev. [Automatic loading and unloading devices for woodworking machines and machine lines designed by the S.M.Kirov Forest Technology Academy; verbatim report of a lecture read at the Leningrad House of Scientific and Technical Propaganda, November 1963] Avtomaticheskie zagruzochnye i razgruzochnye ustroistva k derevoobrabatyvaiushchim stankam i stanochnym liniiam konstruktsii LTA im. S.M.Kirova; stenogramma lektsii, prochitannoi v LDNTP v noiabre 1963 g. Leningrad, 1964. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no.2)

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Development of the manufacture of woodworking equipment in the U.S.S.R. and in capitalist countries] Razvitie proizvodstva derevoobrabatyvaiushchego oborudovaniia v SSSR i v kapitalisticheskikh stranakh. Moskva, 1963. 210 p.
[MICROFILM]

Shafarenko, M.S. [Mechanical processing of wood; handbook for the foreman of woodworking shops] Mekhanicheskaia obrabotka drevesiny; posobie masteru derevoobrabatyvaiushchego tsekha. Moskva, Izd-vo "Lesnaia promyshlennost', 1964. 107 p.

WOODWORKING MACHINERY—STANDARDS

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [End cutters for machining dovetail-type box dowels] Frezy kontsevye dlia obrabotki iashchichnykh shipov tipa "lastochkin khvost" (MN 5311-64, MN 5312-64). Moskva, Izd-vo standartov, 1964. 6 p. (SSSR. Normali mashinostroeniia)

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [One-piece cutters for machining rectangular box dowels] Frezy tsel'nye dlia obrabotki priamougol'nykh iashchichnykh shipov (MN 4966-63—MN 4968-63). Moskva, Izd-vo standartov, 1964. 7 p. (SSSR. Normali mashinostroeniia)

WOODY PLANTS

(see also subdivision under White Russia)

Effect of trace elements on the seed vigor and seedling development of some tree and shrub species. E.N. Protopopova. Izv.Sib.otd.AN SSSR no.7;89-93 '62.

"Trees and shrubs of the U.S.S.R." Reviewed by IA.I. Malkidzhanian. Izv. AN Arm. SSR. Biol. nauki 15 no.12;93-95 D '62.

WOODY PLANTS BREEDING see subdivision under Siberia, Eastern

WOOL

Zhanderkin, A.I. [Soviet wool-type goats] Sovetskie sherstnye kozy. Alma-Ata, Kazsel'khozgiz, 1964. 53 p.
(DNAL)

WOOLEN AND WORSTED MANUFACTURE see subdivision under Balashikha

WORK

Eliseeva, V.S. [Work, art, science] Trud, iskusstvo, nauka. Moskva, Izd-vo "Znanie," 1964. 30 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no.15)

The idea of personal vocation to work. V.V.Ermolin. Vest.LGU 19 no.11;69-79 '64.

IUrevich, U.M. [First necessity] Pershaia neabkhodnasts'. Minsk, Dziarzh. vyd-va BSSR, 1963. 38 p. (Hutarki na maral'na-etychnyia temy)

Man - work - freedom. G.Batishchev. Nov.mir. 39 no.12:255-268 D '63.

Man's ability to work under the influence of vestibular stimuli. S.I.Kopanev. Izv.APN no.129;200-205 '63.

Relationship between the objective, the means, and the results in a man's action. N.N.Trubnikov. Vop.filos. 18 no.6.59-68 '64.

Role of objective and subjective factors in the development of labor into an indispensable part of our life. A.A. Losev. Uch.zap.Kaf.obshchestv.nauk vuz.g.Len.; Filos. no.4;93-113 '63.

Shraiber, L.B., and A.Z.Zakhidov. [Hygiene of intellectual work] Gigiena umstvennogo truda. Tashkent, Medgiz UzSSR, 1964. 42 p. (Nauchno-populiarnaia literatura)

WORKBOATS

Kilesso, A.I. [Modern machine shop ships] Sovremennye suda-masterskie. Leningrad, "Sudostroenie," 1964. 249 p.

WORKS COUNCILS

Ostapenko, I.P. [Participation of the working class of the U.S.S.R. in industrial management; production conferences in industry, 1921-1932] Uchastie rabochego klassa SSSR v upravlenii proizvodstvom, proizvodstvennye soveshchaniia v promyshlennosti v 1921-1932 gg. Moskva, Izd-vo "Nauka," 1964. 208 p.

The worker hurries to a meeting.... A Vznuzdaeva Sov profsoiuzy 20 no 14 36-37 Jl '64

Workers' participation in industrial management. F.S. Gaenko. Mat.i soob.Issl.otd.Inst.po izuch.SSSR no.51/52;55-70 N-D '63.

WORLD COUNCIL OF CHURCHES

Officials of the World Council of Churches visit Northern Russian monasteries and the Georgian Orthodox Church Zhur.Mosk.Patr. no.6:54-56 '64.

Session of the Executive Committee of the World Council of Churches. A.Kazem-Bek. Zhur. Mosk Patr no.6:47-54 '64.

WORLD FEDERATION OF TRADE UNIONS—CONGRESSES

The W.F.T.U. is a loyal defender of the interests of women workers. Vsem.prof.dvizh no.6;1-3 Je '64

WORLD MAPS

International Map of the World on the Millionth Scale, results, current state, prospects. O.S.Steblin-Kamenskaia. Vest.LGU 19 no.12;169-173 '64.

Modernizing the characteristics of the 1:1,000,000 international map of the world in accordance with the new specifications approved at the U.N.Technical Conference at Bonn in 1962. V.N Cheptsov. Izv.vys ucheb.zav.; geod.i aerof. no 5;117-123 '63.

WORLD POLITICS

Bonn, the West, and the German question. IA.Shavrov. Mezhdunar.zhizn' 11 no.9:20-27 S '64.

Brief news on international events. Nov.vrem 22 no.35;32 Ag '64.

"Collective diplomacy" and inter-imperialist contradictions. Sh.Sanakoev. Mezhdunar.zhizn' 11 no.9.91-93 S '64.

[Current problems of world politics; international review, July 1960 to January 1961] Tekushchie problemy mirovoi politiki; mezhdunarodnyi obzor, iiul' 1960 g.-ianvar' 1961 g. [Moskva] Izd-vo "Pravda," 1961. 78 p.

Imperialist alliances in the atomic era. N.Talenskii. Mezhdunar.zhizn' 11 no.9.76-78 S '64.

International notes. Nov.vrem. 21 no.29:31-32 Jl '64.

International notes Nov vrem. 21 no.30:21-22 Jl '64

International notes. Nov.vrem. 22 no.31;23-24 Jl '64.

International notes. Nov.vrem. 22 no.32.19-21 Ag '64.

International notes. Nov.vrem. 22 no.34;19-20 Ag '64.

International notes. Nov.vrem 22 no 35;24-25 Ag '64.

Koplenig, Johann. [Selected works, 1924-1962. Translated from the German] Izbrannye proizvedeniia, 1924-1962 gody. Moskva, Gos. izd-vo polit. lit-ry, 1963. 371 p.
(NNC)

Methodological advice. Mezhdunar.zhizn' 11 no.9:158-160 S '64.

Our commentary. Nov.vrem. 21 no 29:3-5 Jl '64.

Peace and peaceful coexistence. N.S.Khrushchev. Komm.Ukr. 39 no.5;8-14 My '64.

Sovereignty and aggressive alliances. G.Starushenko. Mezhdunar.zhizn' 11 no.9;84-86 S '64

Soviet Government statement on the convening of the Second Afro-Asian Conference. Soviet Government statement on Cyprus. Documents on the Hiroshima Conference to Prohibit Atomic Weapons. Nov.vrem. 22 no.34:33-40 Ag '64.

Transition from capitalism to communism is the basic feature of our time. B.A.Erunov. Uch.zap.Kaf.obshchestv.nauk vuz.g.Len.; Filos no.4;3-17 '63.

War outbreaks and their torchbearers. V.Korotkov. Mezhdunar.zhizn' 11 no.9:120-121 S '64.

World events. Nov.vrem. 21 no.29:34 Jl '64.

World events. Nov.vrem. 21 no.30;32 Jl '64.

World events. Nov.vrem. 22 no.31;32 Jl '64.

World events. Nov.vrem. 22 no.32;32 Ag '64.

Your roads, revolution! F.Leonidov. Mol.komm. no.2:25-32 F '64.

WORLD POLITICS—PERIODICALS

Our readers write. Nov.vrem. 21 no.30:30 Jl '64.

A thousand issues ago. Nov.vrem. 21 no.30;6-9 Jl '64.

WORLD POLITICS—YEARBOOKS

[Chronicle of international events, 1963] Khronika mezhdunarodnykh sobytii, 1963 god. Moskva, IMO, 1964. 315 p.

WORLD WAR, 1939-1945

(see also subdivision under Atlantic Ocean; Balkan Peninsula; Chuvashia, Crimea; Dno, Pskov Province; Estonia, France, Leningrad Province; Lithuania; London, Nikolayev, Poland; Rumania; Slovakia; Ukraine, Ural Mountain region; Warsaw, White Russia; Yugoslavia)

A quarter of a century later. D.Mel'nikov. Mezhdunar. zhizn' 11 no.9 95-101 S '64.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Above the renowned Crimea territory. Kryl.rod. 15 no.5:4 My '64.

Genuine heroes. Mikhail Gromov. Sov.voin 46 no.9: 13 My '64.

Their names are on the map. Kryl.rod. 15 no 5:4-5 My '64.

With the airplane "Aleksandr Pushkin." Kryl.rod. 15 no.5:3 My '64.

WORLD WAR, 1939-1945—BIOGRAPHY

[For the fatherland, freedom and honor! Sketches on Heroes of the Soviet Union, natives of Gorkiy] Ocherki o Geroiakh Sovetskogo Soiuza-gor'kovchanakh. [Gor'kii] Volgo-Viatskoe knizhnoe izd-vo.
Book 2. 1964. 367 p.

WORLD WAR, 1939-1945—CAMPAIGNS

From Voronezh to Kharkov. K Moskalenko. Voen.-ist zhur. 5 no.4:25-33 Ap '63.

Military calendar. Voen.znan. 40 no.7:48 Jl '64.

Recollection of people in a division. A Vinogradov. Voen.-ist.zhur 5 no.4.104-105 Ap '63

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

Israelian, V.L. [The anti-Hitler coalition; diplomatic cooperation between the U.S S.R., U.S.A., and Great Britain during the years of the Second World War] Antigitlerovskaia koalitsiia; diplomaticheskoe sotrudnichestvo SSSR, SShA i Anglii v gody Vtoroi Mirovoi voiny. Moskva, IMO, 1964 607 p.

Pozdeeva, L.V. [Anglo-American relations during the Second World War, 1939-1941] Anglo-amerikanskie otnosheniia v gody Vtoroi Mirovoi voiny, 1939-1941 gg. Moskva, Izd-vo "Nauka," 1964. 452 p.

September 1, 1939. Nov vrem 22 no.35:1-2 Ag '64.

WORLD WAR, 1939-1945—NAVAL OPERATIONS

A book was published. A.Rogov Starsh -serzh no 7: 35 Jl '64

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

Operations of submarines in the ocean expanses. V.Andreev. Voen.-ist.zhur. 5 no.4:99-102 Ap '63.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Diary of Petia Sagaidachnyi. I.Lidina. Nar.obr. no 8: 120-121 Ag '64.

End of the Third Reich (to be continued). V.Chuikov. Oktiabr' 40 no.4;123-169 Ap '64.

Exploit of a battery. S.Kharibian. Voen.znan. 40 no.7;47 Jl '64.

Their heroic deeds are immortal. S.Magidson. Nar.obr. no.8.117-118 Ag '64

Years of severe trials. Z.Sorokin. Voen.znan. 40 no.7;47 Jl '64.

WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

From Sevsk to Berlin. I.Klimenko. Voen.vest. 43 no.4;126-127 Ap '64.

WORMWOOD

(see also subdivision under Kirghizistan)

Study of substances entering the composition of essential oils, correlation between stereoisomeric thujones in essential oils of wormwood. M.I.Goriaev, Zh.K. Gimmaddinov. Dokl.AN SSSR 156 no.6:1459-1460 Je '64.

X-RAY ABSORPTION

Determination of niobium and tantalum in solutions based on the absorption of scattered X rays G I. Rekhkolainen. Zav.lab. 30 no.6;689-691 '64.

Transmitted beam in the case of anomalous X-ray absorption. L.B.Zagarii, V.M.Kardonskii. Kristallografiia 8 no.2;263-264 Mr-Ap '63.

X-RAY CRYSTALLOGRAPHY

Crystal structure of RPb_3 compounds in the systems rare-earth metal-lead. IU.B.Kuz'ma, R.V.Skolozdra, V.IA.Markiv. Dop.AN URSR no.8;1070-1072 '64

Crystalline texture of "uklonskovite" $NaMg[SO_4](OH)\cdot 2H_2O$. S.V.Borisov, R.F.Klevtsova, N.V.Belov. Dokl.AN SSSR 158 no.1:116-118 S-O '64.

Mapping the symmetry of a physical space onto a Fourier space. I.V.IAvorskii. Kristallografiia 8 no.2:158-165 Mr-Ap '63.

Phase dissolution in the system nickel - gold. V.V. Sanadze, G.V.Gultaev. Dokl.AN SSSR 158 no.1:89-91 S-O '64.

Some applications of the graphic analysis method of determining lattice parameters. B.M.Rovinskii, E.P. Kostiukova. Kristallografiia 8 no 2:264-268 Mr-Ap '63.

X-RAY CRYSTALLOGRAPHY (Continued)

Study of the substructure of single crystals by the method of X-ray focusing M I Zakharova, N A Khitanova Zav lab 30 no 6 721-724 '64

Surface structure and the properties of acicular chromium crystals B. M Vasiutinskii, G N Karimazov, I I Papirov Fiz.met i metalloved 17 no.6 892-897 Je '64.

Variation in the heat conductivity of glass in the system $SiO_2 - Li_2O - Al_2O_3 - ZrO_2$ during crystallization B I Fonlymakin F G Solinov Teplofiz vys temp 2 no 3 397-400 My-Je '64

X-RAY DIFFRACTION EXAMINATION

Comparing the results of investigation of powder specimens by the methods of approximation and harmonic analysis L. I Gladkikh, O G Kuz'menko, M IA Fuks Zav lab 30 no 6 712-716 '64

Effect of a surface-active medium on changes in the fine crystalline structure of iron hardened by plastic deformation B.I.Kostetskii, L.F.Kolesnichenko. Dokl AN SSSR 157 no 4;845-848 Ag '64.

Electronography and X-ray study of the substructure of thin films of nickel and iron condensed in vacuum L S Palatnik and others Fiz met i metalloved 17 no 5 726-731 My '64

Formation and determination of compounds in the system $CaSO_4$-SiO_2-Al_2O_3-Fe_2O_3-C. V Larvys, V.Slizys. Trudy AN Lit SSR Ser B no.1 153-159 '62

Plant for X-ray diffraction studies of liquid high-melting metals. E.Z.Spektor, S F.Khokhlov Ukr.fiz.zhur 9 no.4;440-444 Ap '64.

Temperature changes of the large period in oriented polymers. IU.A Zubov and others. Dokl AN SSSR 157 no 4·948-950 Ag '64.

X-ray diffraction control of the quality of surface grinding and sharpening of a tool made of high-speed steel V.A.Landa, M.M.Kantor, V.A Baikov. Zav lab. 30 no 6 731-732 '64.

X-ray diffraction phase analysis of mixtures of PbO_2 modifications. N N.Fedorova and others Zav lab 30 no 6 727-728 '64

X-ray diffraction study of aqueous solutions of terafluoboric acid and some of its salts. A.I.Ryss, I.V.Radchenko. Ukr.fiz.zhur. 9 no.4;416-420 Ap '64.

X-ray diffraction study of molecular liquids. V.P. Klochkov, A.F Skryshevskii. Ukr fiz.zhur. 9 no.4; 420-428 Ap '64.

X-ray diffraction study of molten intermetallic compounds of the indium - bismuth system. A.V.Romanova, G.M Kuchak. Ukr.fiz.zhur. 9 no.4;428-440 Ap '64

X-ray diffraction study of variations in the period of elementary cells of (Ba, Pb)TiO_3 solid solutions in the paraelectric region as dependent on the composition A.G.Kapyshev, IU N.Venevtsev Kristallografiia 8 no 2,269-270 Mr-Ap '63

X-RAY SPECTROSCOPY

Apparatus for determining the quantity of iron in agglomeration charges by the X-ray spectral fluorescent method. V.P.TSvetkov, V.K.Kalosha, Zav.lab. 30 no.6 762 '64.

Quantitative determination of Zn, Cu, Pb in metallurgical products by secondary X-ray spectra I G Dem'ianikov, T Begimov Trudy Inst met i obog AN Kazakh SSR 8 165-170 '63.

Sources of errors in X-ray spectrum analysis with the dilution of samples. A N.Glotova, N.F.Losev, T.N. Gunicheva, Zav.lab. 30 no.6,685-689 '64.

Spectrometric resolution of a scintillation counter in the recording of soft X rays. V.N.Minakov, V.I.Trefilov. Sbor.nauch rab.Inst metallofiz.AN URSR no.18 220-221 '64.

Use of scattered radiation in the X-ray spectrum analysis of molybdenum P.A.Verkhovodov, L S.Gorbatenko, Zav lab. 30 no.6 691-694 '64.

X RAYS

Nature of solar X-ray emission. I.S.Shklovskii. Astron.zhur. 41 no.4;676-683 Jl-Ag '64.

X RAYS—DIFFRACTION

Dependence of the width and intensity of a spectral line on the duration of coherent radiation of an X-ray source P.A Bezirganian Dokl.AN Arm SSR 37 no 4;197-201 '63

Effect of the rotation of chain molecules on the diffraction image. B.K.Vainshtein Kristallografiia 8 no.2;174-180 Mr-Ap '63

X RAYS—EQUIPMENT AND SUPPLIES

Comparison of the efficiencies of BSV-1, BSV-2, BSV-4, BSV-6, BSV-8, and BSV-9 tubes in structure studies. M.M.Umanskii and others. Kristallografiia 8 no.2 300-301 Mr-Ap '63

X RAYS—INDUSTRIAL APPLICATIONS

Main objectives in the development of X-ray methods of investigation. Zav.lab. 30 no.6;643-644 '64.

Quantitative X-ray analysis of titanium, zirconium, and hafnium carbonitrides. IU.V.Levinskii. Zav. lab. 30 no.6;725-726 '64

X RAYS—PHYSIOLOGICAL EFFECT

Age radiosensitivity of mice of various lines. I.A. Nechaev. Dokl.AN SSSR 158 no.1;214-217 S-O '64.

Changes of the thyroid gland and effect of thyroidin on the survival of rats of various ages exposed to total X-irradiation. E.A.Loskutova. Pat.fiziol.i eksp. terap 6 no 4;54-56 Jl-Ag '62.

Combined effect of low-frequency vibration and X rays at a dose of 50 r on the cells of the marrow of mammals. IU.S.Demin. Dokl.AN SSSR 157 no 4;972-974 Ag '64.

Effect of the blood of animals previously irradiated with X rays on the transfer of excitation in synapses of the superior cervical sympathetic ganglion. A.L. Komendantova. Pat.fiziol i eksp terap 6 no.4 81 Jl-Ag '62.

Evaluation of the functional state of the thyroid gland of swine after local irradiation with X-rays P M Kuliabko Fiziol zhur.(Ukr.) 9 no 6·826-828 N-D '63

Investigations of the regeneration of vessels in a skin wound as an objective method of evaluation of the changes in the healing process following X-ray irradiation Z Kharvat, IU.Shmagel'. Med.rad 8 no.12 47-50 D '63.

Role of lipid peroxides in the mechanism of radiation effect on the background of chloroprene intoxication. S.G.Shukurian. Vop.rent.i onk. 7 205-211 '63.

Tissue respiration in combined radiation effect. S.G. Shukurian Vop.rent.i onk. 7·199-204 '63.

X RAYS—THERAPEUTIC USE

Combined treatment of chronic myeloleukosis and lymphogranulomatosis with aurantin and X-rays. I.B. Gurevich, N S.Turbina. Med.rad 8 no.12;3-8 D '63.

Comparative evaluation of the effectiveness of some methods of treating lymphogranulomatosis. M.G.Masik, E.I.Barba. Probl.gemat.i perel.krovi 8 no.8;57 Ag '63.

Local X-ray therapy of metaplastic hyperplastic lymphadenoid tissue of the lymphoid ring in acute leukemia. G.V.Skurkovich. Probl.gemat.i perel.krovi 8 no.8: 25-29 Ag '63.

X-ray therapy of chronic tonsillitis G.T.Grigorian, A.G.Adamian. Vop.rent.i onk 7·115-120 '63.

X-ray therapy of skin cancer of the eyelids and ocular angles with low-voltage irradiation. G.T.Grigorian, R.G.Pogosian, A.G.Adamian. Vop.rent i onk. 7;121-130 '63

XANTHOPHYLLS

Effect of intermittent illumination on the interconversion of xanthophylls in green etiolated shoots. Z.M.Eidel'man, A.S.Khodzhaev. Dokl.AN SSSR 158 no.1;242-244 S-O '64.

Evaluation of the effectiveness of the chromatographic method of separating xanthophylls on paper with the aid of the C14 isotope V.S Saakov. Biofizika 8 no 1·123 '63.

XENOLITHS

(see also subdivision under Yakutia)

Interaction of acid magma with xenoliths. O.M.Borisov. Zap.Kir.otd.Vses.min.ob-va no.4;13-25 '63

XYLENE

Auto-oxidation of 2-cyclohexyl-p-xylene in the liquid phase. R.N.Volkov, IU.S.TSybin. Zhur.ob.khim. 34 no.7;2335-2340 Jl '64.

Cryoscopic determination of the purity of xylenes. V.D Mamedova, Sh.T.Akhmedov, D.A.Aliev. Azerb.neft khoz. 43 no.3;42-43 Mr '64.

Establishing the isomer content of xylene in the pyrolysis products of oil distillates. D.A.Aliev, Z.G.Agaeva, Azerb.neft.khoz. 43 no.2;35-37 F '64.

XYLENOL ORANGE

Formation of the ternary complex in the system iron-xylenol orange-fluoride. A.K.Babko, M.I.Shtokalo. Dop AN URSR no.8;1077-1080 '64

YAKUSHINO OIL FIELD—OIL WELL COMPLETION

Using surfactants when drilling in producing strata in the Yakushino oil field N.N Beller, N.V Piatnitskaia Trudy KNII NP no.17,32-36 '62.

YAKUTIA—GEOLOGY, STRATIGRAPHIC

Liufanov, L.E. [Stratigraphy and lithology of the Paleozoic and Mesozoic in the western margin of the Vilyuy syneclise] Stratigrafiia i litologiia paleozoia i mezozoia zapadnoi okrainy Viliuiskoi sineklizy. Moskva, Izd-vo "Nauka," 1964. 108 p.

Stratigraphy of Jurassic sediments in the Vulyuy syneclise. T.I.Kirina. Dokl.AN SSSR 158 no.1;98-101 S-O '64.

YAKUTIA—MICA INDUSTRY

Mel'nikov, V.G. [Mica industry in Yakutia] Sliudianaia promyshlennost' IAkutskoi ASSR, IAkutsk, IAkutskoe knizhnoe izd-vo, 1960.

[MICROFILM]

YAKUTIA—ROCKS, SEDIMENTARY

Liufanov, L.E. [Stratigraphy and lithology of the Paleozoic and Mesozoic in the western margin of the Vilyuy syneclise] Stratigrafiia i litologiia paleozoia i mezozoia zapadnoi okrainy Viliuiskoi sineklizy. Moskva, Izd-vo "Nauka," 1964. 108 p.

YAKUTIA—ROOFS

Komissarov, N.F. [Erecting apartment houses with built-up roofs in Yakutia] Vozvedenie zhilykh zdanii s sovmeshchennymi kryshami v IAkutii. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 78 p.

YAKUTIA—XENOLITHS

Xenoliths in the kimberlites of northern Yakutia and some problems of the earth's mantle structure. V.S.Sobolev, N.V.Sobolev. Dokl.AN SSSR 158 no.1;108-111 S-O '64.

YAMAL-NENETS NATIONAL AREA—PASTURES AND MEADOWS

Effect of the composition of vegetation in a reclaimed tundra on the development and yield of grasses. L.N. Filippova. Bot.zhur. 49 no.7 1063-1067 Jl '64.

YAMAL PENINSULA—TAPEWORMS

Natural foci of trichinosis and alveococcosis on the Yamal Peninsula. N.P.Lukashenko, V.V.Brzheskii. Med.paraz.i paraz.bol. 32 no 4;492 Jl-Ag '63.

YAMAL PENINSULA—TRICHINA AND TRICHINOSIS

Natural foci of trichinosis and alveococcosis on the Yamal Peninsula. N P.Lukashenko, V.V.Brzheskii. Med.paraz.i paraz bol 32 no.4;492 Jl-Ag '63.

YANA VALLEY—TUNDRAS

Description of the tundra and forest-tundra vegetation in the Yana-Omoloy interfluve (northern Yakutia) L.I. Nosova Bot zhur 49 no 5 661-668 My '64.

YAREGA OIL FIELD—PETROLEUM GEOLOGY

Comparing the role of pores and fractures in the flow of oils of the Yarega oil field I V Tatarinov, B.V.Pozinenko. Trudy VNIGRI no 228 155-162 '64.

YARN

Comparison analysis of the formulas proposed for the calculation of the strength of acetate and viscose yarns. I.I.Feiman. Izv.vys.ucheb.zav., tekh.tekst.prom. no.6;18-21 '63.

YAROSLAVL—CHEMICAL INDUSTRIES

Scouts of the chemistry of big molecules. V.Aref'ev. NTO 6 no.6;23-26 Je '61.

YAROSLAVL—CIVIL DEFENSE

With the efforts of activists. E.Alekseev. Voen.znan. 40 no.7;19-20 Jl '64.

YAROSLAVL—MILITARY EDUCATION

With the efforts of activists. E.Alekseev. Voen.znan. 40 no.7;19-20 Jl '64.

YAROSLAVL—OLD-AGE HOMES

Work is diminishing.... A Krivorukov Sots.obesp 24 no 12;42 D '63.

YAROSLAVL—SERVICE INDUSTRIES—AUDITING AND INSPECTION

The service industry is controlled by the public. T.Petushkova. Sov profsoiuzy 20 no 15 4-5 Ag '64.

YAROSLAVL—TRADE UNIONS

The service industry is controlled by the public. T.Petushkova. Sov.profsoiuzy 20 no 15 4-5 Ag '64

YAROSLAVL PROVINCE—BOTANY

New data on the occurrence of plant species rare for Yaroslavl Province V K Bogachev, V V Gorokhova, A V.Dubrovina Bot zhur. 49 no 5 709-712 My '64.

YAROSLAVL PROVINCE—RURAL LIBRARIES

Every book has its address. V IAritsev Bibliotekar' no 7,11-13 Jl '64.

YEAST

Cultivation of yeasts in an apparatus equipped with a suction stirrer. M.S.Dudkin and others. Gidroliz.i lesokhim.prom. 17 no.3;7-10 '64.

Daily life, health, occupation. Sov.profsoiuzy 20 no.16 46 Ag '64.

Effect of pottassium on the yield and quality of yeast. L.D.Belova. Khleb.i kond.prom. 8 no.7;21-24 Jl '64.

Effect of temperature on the hereditary variability of the fermentative properties of yeast. K.V.Kosikov, S.N. Bocharov. Agrobiologiia no 1;65-68 Ja-F '64.

Effect of the concentration of lignin sulfonate on the frothing capacity of a solution during flotation of distiller's yeasts. T.B.Krylova, A.V.Buevskoi, O.A. Dmitrieva. Gidroliz i lesokhim.prom 17 no.3;5-7 '64.

N^{15} inclusion into free amino acids and glutamine in the case of the assimilation of N^{15} ammonium by Candida tropicalis yeast. V.L.Kretovich, T.L.Auerman. Dokl.AN SSSR 157 no.4;986-988 Ag '64.

lion of (...tinued)
no acids the synthesis of pantothenic acid by some
asevich and yeasts of Torulopsis dattila. IU. N.
no. 1:212-213 S-O '64.
Volkova, E G Kenig. Dokl. AN SSSR
ration of dry yeast cultures and liquid starter.
Bogdanov. A K. Maksimova Sbor ref nauch
VNIMP no. 1 30-32 '55
formation of 2C^{14}-acetic acid by yeasts in alcoholic
mentation. T. S. Lomkatsi Soob AN Gruz SSR 33
,573-578 Mr '64

—BIBLIOGRAPHY see Bibliography—Yeast

T—TESTING
t of the conditions of yeast storage on its fermentive
vity. A. IU. Zhvirbliianskaia. Trudy TSentr. nauch.-
inst. piv. bezalk. i vin. prom. no. 10:132-154 '63.

AS FEED
e also subdivision under Gorkiy Province)
ow. TSentral'nyi nauchno-issledovatel'skii institut
matsii i tekhniko-ekonomicheskikh issledovanii po
ol, tselliulozno-bumazhnoi, derevoobrabatyvaiu-
nei promyshlennosti i lesnomu khoziaistvu. [Standard
gns of high-capacity hydrolysis yeast plants] Tipovye
ekty gidrolizno-drozhzhevykh zavodov bol'shoi mo-
nosti. Moskva, 1963. 36 p. (Gidroliz i leso-
ntia)

[MICROFILM]

min D activity of irradiated yeast. E. A Nesterova,
F. Kruskina. Trudy VIZH 25:165-173 '63

N—NUTRITION SURVEYS
aspects of the nutrition of the population of Yemen.
.Galkin. Vop. pit. 22 no. 3:82-83 My-Je '63.

N—POLITICS AND GOVERNMENT
steps. O. Gerasimov. Az i Afr seg 8 no. 6:18-19
'64.

N—PUBLIC HEALTH
c health service in Yemen K. N. Suvorova. Zdrav.
Feder. 8 no. 1.30-33 Ja '64

EY RANGE—METAMORPHISM (GEOLOGY)
mic metamorphism of Sinian sediments in the
tern margin of the Yenisey Range. L. M. Plotnikov.
dy VSEGEI 97:111-135 '64.

EY VALLEY—ANTIQUITIES
Paleolithic site in the Yenisey Valley. S. M. TSeit-
Biul. Kom. chetv. per. no. 29:175-182 '64.

SEY VALLEY—GEOLOGY
Paleolithic site in the Yenisey Valley. S. M. TSeit-
. Biul. Kom. chetv. per. no. 29:175-182 '64.

SEY VALLEY—HORSEFLIES
a and biology of horseflies (Diptera, Tabanidae)
the taiga of the middle Yenisey Valley I. G. Bei-
enko. Ent oboz. 42 no 4:833-844 '63.

SEY VALLEY—PETROLEUM GEOLOGY
parative evaluation of the prospects for finding gas
oil in the Yenisey portion of the Siberian Platform.
K. Bazhenova, V. I. Vysotskii, A. M. Seregin. Geol.
ti i gaza 8 no 8:15-19 Ag '64.

KAR—OLA—OPERA
iginality. N. Chernova. Teatr 24 no. 8:23-24 Ag
63

G COMMUNIST LEAGUE see Communist Youth
ague

TH
e also subdivision under France)
h that reads. I. Ganitskaia, N. Dobrynina. Bibliote-
no. 8:35-36 Ag '64.

TH—EMPLOYMENT
lev, I. IA. [Capitalism and the working youth] Kapi-
izm i rabochaia molodezh'. Moskva, Ekonomika,
4. 165 p.

TH—PERIODICALS
magazine "Smena" is forty years old. E. Ivanov.
ol. komm. no. 2:102-103 F '64.

IUM OXIDES
se equilibria in the system Y_2O_3 - Al_2O_3 - SiO_2.
A. Bondar', F. IA. Galakhov. Izv. AN SSSR. Ser. khim.
.7:1325-1326 Jl '64.
se equilibria in the system yttrium - alumina. N. A.
ropov and others. Izv. AN SSSR. Ser. khim. no. 7:
8-1164 Jl '64.

OSLAVIA—GEODESY—STUDY AND TEACHING
odetic education in the Socialist Federal Republic
f Yugoslavia. N. I. Modrinskii. Izv. vys. ucheb. zav.;
eod. i aerof. no. 5:129-135 '63.

OSLAVIA—LANGUAGES—AUDIO-VISUAL AIDS
ion-picture method in the teaching of foreign lan-
ages. V. Rzhekhak Nar. obr no. 8:110-112 Ag '64.

YUGOSLAVIA—THEATER

In Yugoslavia. Vl. Pimenov. Teatr 24 no. 12:134-146 D '63

YUGOSLAVIA—WORLD WAR, 1939-1945

Encounters in Yugoslavia IU. Gekker Nov. mir 40 no. 1:275-278 Ja '64

ZAILIYSKIY ALATAU see Trans-Ili Alatau

ZAKATALY DISTRICT—BATS

Materials for studying the distribution of some chiropters in Zakataly District. A. G. Dzhanashvili, O. Sh. Tartarashvili. Soob. AN Gruz SSR 33 no. 3:667-669 Mr '64.

ZAKATALY REGION (AZERBAIJAN)—PLANT INTRODUCTION

Preliminary report on the results of the introduction of ginseng into the Zakataly National Forest of Azerbaijan S S R. M P Efendiev. Mat k izuch zhen' i drug lek. rast. Dal' Vost. no 5:69-70 '63.

ZAKHAR'EVSKII, ALEKSANDR NIKOLAEVICH, 1894-

A. N. Zakhar'evskii, on his 70th birthday. Opt. i spektr. 17 no 4,308 Ag '64

ZAKUSOV, VASILII VASIL'EVICH, 1903-

Vasilii Vasil'evich Zakusov; on his 60th birthday and 35th anniversary of scientific work. Farm. i toks. 26 no. 2:253-256 Mr-Ap '63.

ZANDERLING, KURT

Kurt Zanderling in Berlin. E. Rebling. Sov. muz. 28 no. 2:123-126 F '64.

ZANZIBAR—ECONOMIC CONDITIONS

Zanzibar without a sultan B Poliakov Nov. vrem. 22 no 32 22-25 Ag '64

ZAPOROZH'YE—ALUMINUM INDUSTRY

Creators of the "winged" metal. G. Borisov, N. Khrestin. NTO 5 no. 12:32-33, 35, 37 D '63.

ZAPOROZH'YE—DRUGSTORES

Organization of controls within pharmacies. T. IU. Bahryi. Farmatsev zhur 18 no. 5:80-82 '63

ZAPOROZH'YE—REFRACTORIES INDUSTRY

Needs of the Zaporozh'ye refractories industry. P. Mitin, A. Vinogradov. NTO 6 no. 6:20-22 Je '64.

ZAPOROZH'YE PROVINCE—MINE BUILDINGS

Design of a building for the administration and general services combine of the Zaporozh'ye iron ore Combine V. S. Shpotakovskii. Adm.-byt komb ugol' shakht no. 5:36-39 '62.

ZAPOROZH'YE PROVINCE—PARASITOLOGY

"Day of the Parasitologist" in Zaporozh'ye Province. L. G. Mukvoz. Med. paraz. i paraz. bol. 32 no. 4:510 Jl-Ag '63.

ZARAYSK REGION (MOSCOW PROVINCE)—GEOGRAPHY

Solntsev, N. A., ed. [Comprehensive geographical studies in the Zaraysk region, Moscow Province] Kompleksnye geograficheskie issledovaniia v Zaraiskom raione Moskovskoi oblasti. Moskva, Mosk. gos. univ. im. M. V. Lomonosova, 1961. 329 p.

[MICROFILM]

ZECCHI, CARLO

Carlo Zecchi. Sov. muz. 28 no. 2:104 F '64.

ZEN (SECT)

Japanese peasant uprisings in the 15th and 16th centuries waged under religious slogans A. A Shvetsov. Uch. zap. Dal'novost. gos. un no. 6.223-250 '62.

ZEOLITES

Adsorption of vapor mixtures on zeolites. B. P. Bering, V. V. Serpinskii, S. I Surinova. Izv. AN SSSR. Ser. khim. no. 7:1309-1311 Jl '64.

Characteristic features of the molecular sieve properties of sodium and calcium forms of zeolites A and fogeasites (X and Y). M. M. Dubinin. Izv. AN SSSR. Ser. khim. no. 7:1359 Jl '64.

Foreign technology. N. V. Kel'tsev. Gaz. prom. 8 no. 9: 52-55 S '63.

Kinetics of the desorption of water vapors and carbon dioxide from zeolites in a vacuum. N. V. Kel'tsev. Gaz. prom. 9 no. 4:51-54 '64.

Molecular sieves (zeolites) as rubber curing accelerators. Kh. M. Borodushkina and others. Dop. AN URSR no. 8: 1084-1087 '64.

Selective adsorption of n-alkanes from the gasoline fractions of the Karadag condensate on a Ca-form zeolite. V. S. Aliev and others. Azerb. khim. zhur. no. 5:13-16 '63.

Some synthetic potassium zeolites and their properties. S. P. Zhdanov, M. E. Ovsepian. Dokl. AN SSSR 157 no. 4:913-916 Ag '64.

ZERAVSHAN RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Ordovician and Lower Llandoverian sediments in the Zeravshan mountain region A. I. Kim. Uzb. geol. zhur. 7 no. 6.72-75 '63.

ZERAVSHAN VALLEY—RUNOFF

Hydrography and the regime of mountain streams on the right bank of the Zeravshan Basin. A. Saidov. Vest. LGU 19 no. 12:103-115 '64.

ZHABOTINSKII, IULII MIKHAILOVICH, 1902-

IUlii Mikhailovich Zhabotinskii; on his 60th birthday and 30th anniversary of his scientific activities. Arkh anat, gist i embr 43 no. 11:127-128 N '62.

ZHANSUGUROV, IL'IAS

Il'ias Zhansugurov's poem "Kiui." A. Dairova. Izv. AN Kazakh SSR. Ser. obshchestv. nauk no. 6.10-19 '64.

ZHDANOV—IRON AND STEEL PLANTS

Flow of gases and the convective heat exchange in compartment furnaces at the Azovstal' Plant. V. S. Shkliar. Izv. vys. ucheb. zav.; chern. met. 7 no. 7:221-226 '64.

ZHELEZNIAKOV, ANATOLII GRIGOR'EVICH, 1895-1919

Permanent frontline soldier. A. Zhuravskii. Starsh.-serzh no 7 29 Jl '64.

ZHEMCHUZHNOYE, LAKE (KARELIA)—CARP

Preliminary results of rearing the whitefish Coregonus peled and carp in Lake Zhemchuzhnoye. E. P. Popov. Izv. GosNIORKH 55:108-111 '63.

ZHEMCHUZHNOYE, LAKE (KARELIA)—FRESHWATER FAUNA

Changes in the zooplankton and zoobenthos of Lake Zhemchuzhnoye treated with polychloropinene. T. M. Vladimirova. Izv. GosNIORKH 55:70-83 '63.

ZHEMCHUZHNOYE, LAKE (KARELIA)—WATER—COMPOSITION

Effect of lime and nitrogen-phosphorus fertilizers on the hydrochemical conditions and primary production of Lake Zhemchuzhnoye. I. V. Baranov, T. I. Pshenina. Izv. GosNIORKH 55:47-59 '63.

ZHEMCHUZHNOYE, LAKE (KARELIA)—WHITEFISHES

Preliminary results of rearing the whitefish Coregonus peled and carp in Lake Zhemchuzhnoye. E. P. Popov. Izv. GosNIORKH 55:108-111 '63.

ZHIGACH, KUZ'MA FOMICH, 1906-1964

Kuz'ma Fomich Zhigach; obituary. Neft khoz. 42 no. 7: 76 Jl '64

ZHITOMIR—BAKERIES

Zhitomir bakery, an enterprise of communist labor G. F. Polishchuk, L. A. Khinkis. Khleb. i kond. prom 8 no. 7:1-3 Jl '64.

ZHITOMIR PROVINCE—AGRICULTURE—AUDITING AND INSPECTION

Economic analysis should be at the center of attention. L. Kagan. Vest stat. no 8 48-51 '64

ZHUKOVSKII, NIKOLAI EGOROVICH, 1847-1921

Arlazorov, M. S. Zhukovskii. Izd. 2., dop. i perer. Moskva, Mashinostroenie, 1964. 216 p.

ZIL'BER, LEV ALEKSANDROVICH, 1894-

Lev Aleksandrovich Zil'ber; on his 70th birthday. Vop. onk. 10 no. 3:116-119 '64.

ZINC

Catalysis by metal vapors, Part 3 [with summary in English]. M. N. Danchevskaia, N. I. Kobozev, IU. A. Pankrushev. Zhur. fiz. khim. 38 no. 2:442-448 F '64.

ZINC—ANALYSIS

New method of determining zinc. V. S. Nagibin, A. I. Sluch, A. P. Ivasheva. Trudy Inst. met. no. 14:259-261 '63.

ZINC, EFFECT OF RADIATION ON

Some reactions on zinc bombarded by 30 Mev. protons. T N Mikhaleva. Atom energ. 17 no. 2:142-144 Ag '64.

ZINC ANTIMONIDE CRYSTALS—ELECTRIC PROPERTIES

Temperature dependence of current carrier mobility in zinc antimonide crystals. M. V. Kot, I. V. Kretsu. Izv. AN SSSR. Ser. fiz. 28 no. 8:1295-1299 Ag '64.

ZINC-COPPER ALLOYS see Copper-zinc alloys

ZINC ELECTRODES see Electrodes, Zinc

ZINC GERMANATE CRYSTALS—GROWTH

Hydrothermal synthesis of trigonal zinc silicates and germanates. B. N. Litvin, O. K. Mel'nikov. Rost krist. 4:166-170 '64.

ZINC IN THE BODY

Content of zinc in the tissues and organs of rabbits during total starvation. L T. Boikova. Vop. pit. 22 no. 3: 47-50 My-Je '63.

Disorders of zinc metabolism in children with leukemia. L. S. Nalimava. Vestsi AN BSSR. Ser. biial. nav. no. 4: 64-66 '63.

ZINC OXIDE—SPECTRA

Electron paramagnetic resonance in zinc oxide subjected to mechanical treatment. V. B. Golubev, V. B. Evdokimov. Zhur. fiz. khim. 38 no. 2 477-478 F '64

ZINC PLATING—CORROSION

Investigating the atmospheric corrosion of vacuum condensates of zinc by photographic, optical and weight methods. I. I. Roish and others. Fiz. met. i metalloved. 17 no. 5 754-780 My '64

ZINC SILICATE CRYSTALS—GROWTH

Hydrothermal synthesis of trigonal zinc silicates and germanates. B. N. Litvin, O. K. Mel'nikov. Rost krist. 4 168-170 '64

ZINC SULFIDE

Role of the chlorinating roasting of sulfides in the formation of blue luminescence centers of "self-activated" zinc sulfide luminophors. A. M. Gurvich. Zhur. fiz. khim. 38 no. 2 456-459 F '64.

ZINC SULFIDE—SPECTRA

Relationship between the burning out of a measured quantity of a substance and calcination in spectrum analysis. A. G. Nepokoichitskii, A. A. IAnkovskii. Dokl. AN BSSR 7 no. 12 814-816 D '63

ZINC SULFIDE CRYSTALS—DEFECTS

Disclosure of dislocations in cadmium sulfide and zinc sulfide single crystals. R. V. Bakradze, I. A. Romanchevskaia. Kristallografiia 8 no. 2 238-242 Mr-Ap '63

ZINC SULFIDE CRYSTALS—GROWTH

Zinc sulfide crystals grown from the melt. V. A. Kuznetsov. Rost krist. 4 144-147 '64.

ZINCITE CRYSTALS—GROWTH

Zincite crystallization under hydrothermal conditions. I. P. Kuz'mina, V. F. Antonova. Rost krist. 4 151-156 '64.

ZIRCON

(see also subdivision under Kurama Range)

Interaction of zircon with caustic alkalies under hydrothermal conditions. V. G. Chukhlantsev, IU. S. Mashkov. Zhur. neorg. khim. 9 no. 6 1492-1493 Je '64.

ZIRCONATES

Rare earth zirconates and their physicochemical properties. Report No 1 Zirconates of lanthanum, neodymium, and cerium. Fan Fu-kan [Fang Fu-k'ang], A. K. Kuznetsov, E. K. Keler. Izv. AN SSSR. Ser. khim no 7 1151-1157 Jl '64.

ZIRCONIUM—ANALYSIS

Comparative study of some color reactions of zirconium. S. B. Savvin, IU. M. Dedkov. Zav. lab. 30 no. 6 645-647 '64

Determination of zirconium in cast iron with chlorosulfophenol C as reagent. IU. M. Dedkov and others. Zav. lab. 30 no. 6 654-655 '64

Photometric determination of zirconium in steel and cast iron using arsenazo III. S. B. Savvin, D. S. Kadaner, A. S. Riabova. Zhur. anal. khim. 19 no 5 561-563 '64.

ZIRCONIUM COMPOUNDS

Complex formation of zirconium with diethylenetriaminopentaacetic acid and 1,2-diaminocyclohexanetetraacetic acid. L. N. Pankratova, L. G. Vlasov, A. V. Lapitskii. Zhur. neorg. khim. 9 no. 6 1363-1368 Je '64.

Cyclopentadienyl dizirconoxanic compounds containing aryl or chelate groups. E. M. Brainina, G. G. Dvoriantseva, R. Kh. Freidlina. Dokl. AN SSSR 156 no. 6 1375-1378 Je '64.

Determination of the product of solubility of zirconium phenylarsonate. V. A. Malinovskii. Azerb. khim. zhur no. 5 113-116 '63.

ZIRCONIUM-NIOBIUM ALLOYS see Niobium-zirconium alloys

ZIRCONIUM OXALATE—ABSORPTION SPECTRA

Infrared absorption spectra of complex zirconium (IV) oxalates. IU. IA. Kharitonov, G. S. Bokcharev, L. M. Zaitsev. Zhur. neorg. khim. 9 no. 6 1369-1381 Je '64.

ZIRCONIUM-TITANIUM ALLOYS see Titanium-zirconium alloys

ZLATOUST (CHELYABINSK PROVINCE)—STEEL INDUSTRY

Plans and achievements of creative brigades. B. Matzevich. NTO 5 no. 12 27-28 D '63.

ZLOBIN, STEPAN PAVLOVICH

Kudriashova, E. I. [Stepan Zlobin as an author of historical novels, a critical biographic account (supplement to the second volume of "Uchenye zapiski")] Stepan Zlobin kak avtor istoricheskikh romanov; kritiko-biograficheskii ocherk (prilozhenie ko II tomu "Uchenykh zapisok." [Belgorod] Belgorodskoe knizhnoe izd-vo, 1961. 219 p.

[MICROFILM]

ZOLOTONOSHA (CHERKASSY PROVINCE)—CHILDREN'S MUSEUMS

V. I. Lenin Museum in the Zolotonosha school No. 3. V. O. Shamrai. Rad. shk. 42 no. 4 15-16 Ap '64.

ZONE MELTING

Evaluating the efficiency of zonal recrystallization processes. V. N. Vigdorovich, IU. P. Adler, A. E. Vol'pian. Izv. AN SSSR. Met i gor. delo no. 2 63-68 Mr-Ap '64.

Method for monomer purification by zone melting in a dry chamber. A. G. Anikin, S. P. Bykova, V. F. Chistiakov. Plast. massy no 2 73-74 '64.

Vaporization of metal during its melting with an electron beam. V. I. Lakomskii, A. L. Tikhonovskii. Avtom svar 17 no 7 50-53 Jl '64

ZOOLOGICAL RESEARCH

Chemicalization of the national economy and problems of zoology. Zool. zhur. 43 no. 4 481-482 '64.

Review of E. N. Pavlovskii's book "Papers on experimental zoology and poisonous animals." M. S. Giliarov. Zool. zhur. 43 no. 4 626-628 '64.

ZOOLOGY—CONGRESSES

Brief news and information. Zool. zhur. 43 no. 4 630-638 '64.

ZOOLOGY—ECOLOGY

New data on various methods of the adaptation of animals to the change of environment. S. S. Shvarts, V. N. Bol'shakov, O. A. Piastolova. Zool. zhur. 43 no. 4 483-487 '64.

ZOOLOGY—VARIATION

Patterns of intraspecific variability; conference in Sverdlovsk. S. S. Shvarts. Vest. AN SSSR 34 no 6 99-101 Je '64

ZOOPLANKTON see subdivision under Karelia

ZURICH—STUDENTS, CAUCASIAN

Materials on "Iatmo," a group of Caucasian students in Zürich. V. A. Parsamian. Izv. AN Arm. SSR. Obshchestv. nauki no. 2 57-60 F '64.

ZURABASHVILI, AVLIPII DAVIDOVICH, 1902-

Avlipii Davidovich Zurabashvili; on his 60th birthday and the 35th anniversary of his medical, scientific and pedagogical activities. Arkh. anat., gist. i embr. 43 no. 8 125-128 Ag '62.

ZWICKAU, GERMANY—MUSIC—COMPETITIONS

Schumann. D. Bashkirov. Sov. muz. 28 no. 2 66-67 F '64.

PERIODICALS AVAILABLE IN ENGLISH TRANSLATION
COVER-TO-COVER

AKADEMIIA MEDITSINSKIKH NAUK SSSR Vestnik.
(Journal of the Academy of Medical Sciences of the U. S. S. R.)
Translation of 1962, v. 17(selected items), nos. 2, 3, 5, 6, 9, 11; 1963, v. 18-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $18. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel agrokhimii (Proceedings of the Academy of Sciences of the U. S. S. R. Agrochemistry Section)
Translation from 1956, v. 106, to v. 112
Single article reprints $5. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $5. 00/article

AKADEMIIA NAUK SSSR. Doklady.
Otdel biokhimii (Proceedings of the Academy of Sciences of the U. S. S. R Biochemistry Section)
Translation begins with 1957, v. 112, nos. 1-6
1957 available in single article reprints from Consultants Bureau Enterprises, Inc. $5. 00/article
1958-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, combined with Doklady. Biological Sciences and Doklady. Botanical Sciences, $45. 00/year, $35. 00/year* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $50. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel biologicheskikh nauk (Proceedings of the Academy of Sciences of the U. S. S. R. Biological Sciences Section)
Translation begins with 1957, v. 112, nos. 1-6
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, combined with Doklady. Biochemistry and Doklady. Botanical Sciences, $45. 00/year, $35. 00/year* from consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $75. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel botanicheskikh nauk (Proceedings of the Academy of Sciences of the U. S. S. R. Botanical Sciences Section)
Translation begins with 1957, v. 112, nos. 1-6
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963 combined with Doklady. Biochemistry and Doklady. Biological Sciences, $45. 00/year, $35. 00/year* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $50. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel fizicheskoi khimii (Proceedings of the Academy of Sciences of the U. S. S. R. Physical Chemistry Section)
Translation begins with 1957, v. 112, nos. 1-6-
Single article reprints $5. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $160. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel fiziki (Proceedings of the Academy of Sciences of the U. S. S. R. Physics Section)
Translation begins with 1956, v. 106, nos. 1-6-
Single issues, 1956-1957, $5. 00; 1958-1962, $7. 00
1963 ff. $4. 00
Order from:
American Institute of Physics
335 East 45th Street $35. 00/year
New York, New York 10017 $25. 00/year*

AKADEMIIA NAUK SSSR Doklady.
Otdel geokhimii (Proceedings of the Academy of Sciences of the U. S. S. R Geochemistry Section)
Translation from 1956, v 106 to 1958, v. 123
1956, $20. 00; 1957, $15. 00; 1958, $25. 00, single article reprints $5. 00; later issues incorporated in Doklady: Soil Science Section
Order from.
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

AKADEMIIA NAUK SSSR. Doklady.
Otdel geokhimii and Otdel geologii (Proceedings of the Academy of Sciences of the U. S. S. R. Soil Science Sections, Includes Geochemistry Sections and Geological Sciences Sections)
Translation begins with 1959, v. 124, nos. 1-6-
Single issues $8. 00
Order from:
American Geological Institute $45. 00/year
1444 N St., N. W. $27. 00/year*
Washington, D. C. 20005 to members

AKADEMIIA NAUK SSSR. Doklady.
Otdel geologii (Proceedings of the Academy of Sciences of the U. S. S. R. Geological Science Section)
Translation from 1957, v. 112 to 1958, v. 123
1957-1958, $200 00/volume; single article reprints $5. 00; later issues incorporated in Doklady; Soil Science Section
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

AKADEMIIA NAUK SSSR Doklady.
Otdel khimicheskoi tekhnologii (Proceedings of the Academy of Sciences of the U. S. S. R. Chemical Technology Section)
Translation begins with 1956, v. 106, nos. 1-6-
1956, $30. 00, 1957, $15. 00; 1958-1963, $25. 00/year
Single article reprints $5. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $30. 00/year

AKADEMIIA NAUK SSSR Doklady.
Otdel khimii (Proceedings of the Academy of Sciences of the U. S. S. R. Chemistry Section)
Translation begins with 1956, v. 106, nos. 1-6-
1956-1957, $95. 00/year; 1958-1961, $110. 00/year
1958 ff. single issues $25. 00, 1956 ff. single article reprints $5. 00
Order from·
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $120. 00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel matematiki (Proceedings of the Academy of Sciences of the U. S. S. R. Mathematics Section)
Translation begins with 1963, v. 152, nos. 1-6-
Single issues $7. 00
Order from:
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

AKADEMIIA NAUK SSSR. Doklady.
Otdel okeanologii (Proceedings of the Academy of Sciences of the U. S. S. R Oceanology Section)
Translation begins with 1961, v. 136
Single issues
Order from:
American Geophysical Union
1145-19th St., N. W.
Washington, D. C. 20036 $16. 00/year

AKADEMIIA NAUK SSSR Doklady.
Otdel pochvovedeniia (Proceedings of the Academy of Sciences of the U. S. S. R Soil Science Sections, includes Geochemistry Section and Geological Sciences Sections)
Translation begins with 1959, v. 124 nos. 1-6-
Single issues $8. 00
Order from:
American Geological Institute $45. 00/year
1444 N St., N. W. $27 00/year
Washington, D. C. 20005 to members

AKADEMIIA NAUK SSSR. Doklady.
Otdel pochvovedeniia (Proceedings of the Academy of Sciences of the U. S. S. R. Soil Science Section)
Translation begins with 1961, v. 136, nos. 1-6-
Single issues individually priced
Order from:
Office of Technical Services
U. S Department of Commerce Copies sold
Washington, D. C. 20230 individually

AKADEMIIA NAUK SSSR. Doklady.
Otdel prikladnoi fiziki (Proceedings of the Academy of Sciences of the U. S. S. R. Applied Physics Section)
Translation from 1957, v. 112, nos. 1-6 to v. 123, nos. 1-6
Single article reprints $5. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $5 00/article

AKADEMIIA NAUK SSSR. Izvestiia. Metallurgiia i gornoe delo (Russian Metallurgy and Mining).
Selected articles. Articles not translated in full are abstracted.
Translation begins with 1962, no. 1-
1960 issues available from Eagle Technical Publications
Single issues $15. 00; single articles not available.
Order from:
Scientific Information Consultants, Ltd.
Publications Department
661 Finchley Road
London, N. W. 2, England $68. 00/year

AKADEMIIA NAUK SSSR. Izvestiia
Metallurgiia i toplivo
Russian Metallurgy and Fuels). Selected Articles.
Articles not translated in full are abstracted.
Translation begins with 1962, no. 1-
1960 issues available from Eagle Technical Publications, 62-b Stapleton Hall Rd., London N. 4, England
Order from:
Scientific Information Consultants, Ltd.
Publications Department
661 Finchley Road
London N. W. 2, England $68. 00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Otdelenie khimicheskikh nauk (Bulletin of the Academy of Sciences of the U. S. S. R. Division of Chemical Sciences)
Translation begins with 1952, v. 16, no. 1-
1952-1955, $80. 00/volume; 1956, $160. 00;
1957-1959, $45. 00/volume; 1960, $80. 00;
1961-1963, $120. 00
Single issues, 1957-1959, $6. 00
1960-1961, $10. 00; 1962 ff. $15. 00
Single article reprints, 1952-1956, $7. 50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $120. 00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Seriia fizicheskaia (Bulletin of the Academy of Sciences of the U. S. S. R. Physics Series)
Translation begins with 1954, v. 18, no. 3-
Single issues $20. 00, single article reprints $8. 00
Order from:
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600 $215. 00/year

---

*Subscription rate to libraries of academic institutions

AKADEMIIA NAUK SSSR. Izvestiia.
Seriia geofizicheskaia (Bulletin of the Academy of Sciences of the U. S S R. Geophysics Series)
Translation begins with 1957, v. 7, no. 1-
Single issues, 1957-1963, $7.50
Order from:
American Geophysical Union
1145-19th St , N. W
Washington, D C. 20036 $75.00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Seriia geologicheskaia (Bulletin of the Academy of Sciences of the U. S. S. R. Geological Series)
Translation begins with 1958, v. 23 no. 1 - 1961 complete.
Vol. 27, no 1, 1962 - selected issues - cover to cover.
Single articles available at 15¢/page.
Order from
American Geological Institute $45.00/year
1444 N St., N. W. $27.00/year*
Washington, D. C. 20005 to members

AKADEMIIA NAUK SSSR Izvestiia
Tekhnicheskaia kibernetika (Bulletin of the Academy of Sciences of the U. S. S. R Engineering Cybernetics)
Translation begins with 1963, no. -
Order from:
Special Subscription Department
Institute of Electrical and Electronics Engineers
275 Madison Ave.
New York, New York 10016 $28 50/year

AKADEMIIA NAUK SSSR GEOFIZICHESKII INSTITUT.
Trudy (Transactions of the Geophysical Institute of the Academy of Sciences of the U. S S. R.)
Translation begins with 1957, no. 37-
Single issues individually priced
Order from:
American Geophysical Union
1145-19th St N. W. Copies sold
Washington, D. C 20036 individually

AKADEMIIA NAUK SSSR. INSTITUT VYSSHEI NERVNOI DEIATEL'NOSTI. Trudy. Seriia fiziologicheskaia.
(Transactions of the Institute of Higher Nervous Function of the Academy of Sciences of the U. S. S R Physiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S Department of Commerce Copies sold
Washington, D. C. 20230 individually

AKADEMIIA NAUK SSSR INSTITUT VYSSHEI NERVNOI DEIATEL'NOSTI Trudy Seriia patofiziologicheskaia
(Transactions of the Institute of Higher Nervous Function of the Academy of Sciences of the U. S S. R. Pathophysiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C 20230 individually

AKADEMIIA NAUK SSSR. MORSKOI GIDROFIZICHESKII INSTITUT. Trudy. (Transactions of the Marine Hydrophysical Institute of the Academy of Sciences of the U. S. S. R.) included in Soviet Oceanography
Translation begins with 1962, v. 25
Order from:
American Geophysical Union
1145-19th St., N. W.
Washington, D. C 20036 $16.00/year

AKUSTICHESKII ZHURNAL (Journal of Acoustics)
Translation begins with 1955, v. 1, no. 1-
Single issues $4.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 $12.00/year

ANTIBIOTIKI (Antibiotics)
Translation of 1959, v. 4-
Single issues, $10.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $25.00/year

ASTRONOMICHESKII ZHURNAL (Astronomical Journal)
Translation begins with 1957, v. 34, no. 1-
Single issues $5.00
Order from:
American Institute of Physics
335 East 45th Street $25.00/year
New York, New York 10017 $15.00/year*

ATOMNAIA ENERGIIA (Atomic Energy)
Selected papers incorporated in International Journal of Nuclear Energy Part A (Reactor Science) 3 vols./year, Part B (Reactor Technology) 2 vols./year, Part C (Plasma Physics, Accelerators; Thermonuclear Research) 2 vols /year
Translation begins with 1956, v. 1, no. 1-
Single issues $9 00
Order from:
Pergamon Press, Inc Parts A and B
122 East 55th Street $60.00/year
New York, New York 10022 Part C $20 00/year

ATOMNAIA ENERGIIA (Atomic Energy)
Translation begins with 1956, v 1, no 1-
Single issues $20.00, single article reprints $12.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

AVTOMATICHESKAIA SVARKA (Automatic Welding)
Translation begins with 1959, v. 12, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $40.00/year

AVTOMATIKA I TELEMEKHANKA (Automation and *Remote Control)*
Translation begins with 1956, v. 17-
1956 available from Consultants Bureau Enterprises, Inc., single issues $30.00; single article reprints. *$12 50*
Single issues, 1957 ff. $6.00
Order from:
Instrument Society of America
530 William Penn Place $45.00/year
Pittsburgh, Pennsylvania 15219 $22.50/year*

BIOFIZIKA (Biophysics)
Translation begins with 1957, v. 2, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $30.00/year

BIOFIZIKA (Biophysics)
Translation begins with 1961, v. 6, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue, N. W.
Washington, D C. 20005 $25 00/year

BIOKHIMIIA (Biochemistry)
Translation begins with 1956, v. 21, no 1-
Single issues $10.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

BIULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY (Bulletin of Experimental Biology and Medicine)
Translation begins with 1956, v. 41, no. 1-
Single issues $10.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

BIULLETEN' IZOBRETENII
(Derwent Russian Patents Report; Chemistry and Allied subjects)
Translation begins with 1959, v 36-
Order from:
Derwent Information Service
Rochdale House
Theobalds Road
London W. C. 1, England $70.00/year

BIULLETEN' IZOBRETENII (Russian Patent Bulletin; Chemistry and Fuels)
Translation from 1959, v. 36 to 1960, v. 37
Order from:
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022 $120.00/year

BIULLETEN' IZOBRETENII (Russian Patents Abstracts; Part 1: General, Mechanical and Electrical; Part 2: Chemistry and Chemical Engineering
Translation begins with 1959, v. 36, no. 1-
Order from:
Technical Information Company
Chancery House
Chancery Lane
London W. C. 2, England

BIULLETEN' IZOBRETENII (U. S S. R Official Bulletin *of Patents and Inventions)*
Translation begins with 1959, v. 36, no. 1-
Order from:
Derwent Information Service
Rochdale House
Theobalds Road
London W. C. 1, England $120.00/year

DEREVOOBRABATYVAIUSHCHAIA PROMYSHLENNOST' (Woodworking Industry)
Translation begins with 1959, v. 8, no. 7-
Order from:
Timber Development Association, Ltd
21, College Hill $16.00/year
London, E C 4, England $ 8 00/year*

ELEKTRICHESTVO (Electric Technology)
Selected papers, papers not translated are abstracted
Translation begins with 1957, v 77 nos. 1-4-
Single issues $15.00
Order from:
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 $56.00/year

ELEKTROSVIAZ' (TELECOMMUNICATIONS)
Translation begins with 1961, v 15, no. 1-
Order from:
Special Subscription Department
Institute of Electrical and Electronic Engineers
275 Madison Ave. $14.25/year
New York, New York 10016 $28.50/year*

ENTOMOLOGICHESKOE OBOZRENIE (Entomological Review)
Translation begins with 1958, v. 37, no. 1-
1958-1961 available in single issues individually priced from Office of Technical Services
Single issues 1962 ff. $7.50
Order from:
Scripta Technica
1000 Vermont Avenue, N. W. $25.00/year
Washington, D. C. 20005 $12.00/year*

FARMAKOLOGIIA I TOKSIKOLOGIIA (Pharmacology and Toxicology)
Translation of 1957, v. 20, no. 1-1959, v. 22
1957-1959, $25.00/volume, 1960, $75.00
Single issues, 1958 ff. $10.00, single article reprints, 1957, $5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

FIZIKA METALLOV I METALLOVEDENIE (The Physics of Metals and Metallography)
Translation begins with 1957, v. 4, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $50.00/year

FIZIKA TVERDOGO TELA (Solid State Physics)
Translation begins with 1959, v. 1, no. 1-
Single issues $8.00
Order from:
American Institute of Physics
335 East 45th Street $70.00/year
New York, New York 10017 $45.00/year*

FIZIOLOGICHESKII ZHURNAL SSSR IMENI I. M. SECHENOVA (I. M. Sechenov Physiological Journal)
Translation of 1957, v. 43, through 1961 v. 47
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $60.00/year

FIZIOLOGICHESKII ZHURNAL SSSR IMENI I. M. SECHENOVA (I. M. Sechenov Physiological Journal)
Translation begins with 1961, v. 47, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue, N. W.
Washington, D. C. 20005 $40.00/year

FIZIOLOGIIA RASTENII (Plant Physiology)
Translation begins with 1957, v. 4, no. 1-
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, $15 00 each, $11.00 each* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $125.00/year

*Subscription rate to libraries of academic institutions.

GEOKHIMIIA (Geochemistry)
Translation begins with 1956, v. 1, no 1-
Single issues $4.00
Order from:
Scripta Technika, Inc. $25.00/year
1000 Vermont Ave., N. W $15.00/year*
Washington, D. C. 20005 to members.

GEOLOGIIA NEFTI I GAZA (Petroleum Geology)
Translation begins with 1958, v 2, no. 1-
Order from:
Petroleum Geology $18.00/year
Box 171 $20.00/year
McLean, Virginia 22101 foreign

GEOLOGIIA RUDNYKH MESTOROZHDENII (Geology of ore Deposits; Reviews and excerpts in "Reviews" section of Economic Geology)
Translation begins with 1959, v. 1, no. 1-
Order from:
The Economic Geology Publishing Company $8.50/year
M M. Leighton, Business Manager $5.00/year
Urbana, Illinois 61801 to students

GEOMAGMATIZM I AERONOMIIA (Geomagmatism and Aeronomy)
Translation begins with 1961, v. 1, no. 1-
Order from:
American Geophysical Union
1145-19th St., N. W.
Washington, D. C. 20036 $20.00/year

INZHENERNO-FIZICHESKII ZHURNAL (Journal of Engineering Physics).
Abstracts begin with 1962, v. 5-
Single article translations available at $1.35/100 words
Order from:
Faraday Translations
15 Park Row
New York, New York 10038 $12.00/year

INZHENERNO-FIZICHESKII ZHURNAL
(Journal of Engineering Physics)
Translation begins with 1963, v. 6, nos. 1-12
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $16.50/year

INZHENERNO-FIZICHESKII ZHURNAL
(Journal of Engineering Physics)
Translation begins with 1964, v. 7, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $150.00/year

INZHENERNYI ZHURNAL (Engineering Journal)
Translation begins with 1963, v. 3, no. 1-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $18.00/year

ISKUSTVENNYE SPUTNIKI ZEMLI (Artificial Earth Satellites)
Translation begins with 1958, v. 1- 1963, v. 6
v. 1-6 available from Plenum Press
Single issues
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $75.00/year

IZMERITEL'NAIA TEKHNIKA (Measurement Techniques)
Translation begins with 1958, v. 7, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place $25.00/year
Pittsburgh, Pennsylvania 15219 $12.50/year*

KAUCHUK I REZINA (Soviet Rubber Technology)
Translation begins with 1959, v. 18, no. 1-
Single issues $4.00
Order from:
Palmerton Publishing Company, Inc.
101 West 31st Street $50.00/year
New York, New York 10001 $25.00/year*

KHIMICHESKOE MASHINOSTROENIE (Chemical Machinery Manufacture)
Translation begins with 1964, v. 8, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL
(Chemistry and Technology of Fuel and Oil)
Translation begins with 1964, v 9, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $125.00/year

KINETIKA I KATALIZ (Kinetics and Catalysis)
Translation begins with 1960, v. 1, no. 1-
Single issues $35.00, single article reprints $12.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $150.00/year

KOKS I KHIMIIA (Coke and Chemistry)
Translation begins with 1959, v. 16, no 8-
Single issues $3.00
Order from:
The Coal Tar Research Association
Oxford Road $16.00/year
Gomersal, Leeds, England $ 8.00/year*

KOLLOIDNYI ZHURNAL (Colloid Journal)
Translation begins with 1952, v. 14, no. 1-
1952-1960, $80.00/volume, 1961, $95.00
Single issues $20.00, single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 *$95.00/year*

KOSMICHESKIE ISSLEDOVANIIA (Space Research).
Translation begins with 1963, v. 1-
Single copies individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

KRISTALLOGRAFIIA (Crystallography)
Translation begins with 1957, v. 2, no. 1-
Single issues $5.00
Order from:
American Institute of Physics
335 East 45th Street $25.00/year
New York, New York 10017 $15.00/year*

LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. Trudy (Main Geophysical Observa-*tory. Transactions)*
Translation begins with 1958, v. 76-
Order from.
American Meteorological Society
45 Beacon Street
Boston, Massachusetts 02108 $5.00/volume

LITEINOE PROIZVODSTVO (Foundry *Practice*)
Translation begins with 1961, v. 12, no. 1-
Order from:
The British Cast Iron Research Association
Bordesley Hall
Alvechurch
Birmingham, England $35.00/year

MEDITSINSKAIA RADIOLOGIIA (Medical Radiology)
Translation begins with 1958, v 3, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

MEDITSINSKII REFERATIVNYI ZHURNAL
(Medical abstracts)
Translation begins with 1957, v 1, no. 1-
Order from:
Excerpta Medica Foundation
2 East 103d Street $25.00/year
New York, New York 10029 plus postage

METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV (Metal Science and Heat Treatment of Metals)
Order from:
Consultants Bureau Enterprises, Inc. $24.00/year
227 West 17th Street $18.00/year
New York, New York 10011 to members

METALLURG (Metallurgist)
Translation begins with 1957, v. 2-
1957-1958,$95.00/year, $12.50/issue, $7.50/article
Order from:
Consultants Bureau Enterprises, Inc. $25.00/year
227 West 17th Street $12.50/year*
New York, New York 10011 to members

MIKROBIOLOGIIA (Microbiology)
Translation begins with 1957, v. 26, no. 1-
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, $20.00 each, $15.00 each* from
Consultants Bureau Enterprises, Inc.
Single issues 1962 ff. $4.00
Order from:
Consultants Bureau Enterprises, Inc
227 West 17th Street
New York, New York 10011 $95.00/year

OGNEUPORY (Refractories)
Translation begins with 1960, v 25, nos. 1-2-
Order from:
Consultants Bureau Enterprises, Inc. $16.00/year
227 West 17th Street $12.00/year
New York, New York 10011 to members

OPTIKA I SPEKTROSKOPIIA (Optics and Spectroscopy)
Translation begins with 1959, v. 6, no. 1-
Single issues $3.00
Order from:
Optical Society Subscription Handling Dept.
American Institute of Physics $15.00/year
335 East 45th Street $ 7.50/year
New York, New York 10017 to members

OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV (Foundations and Soil Mechanics)
Translation begins with 1964, v. 6, no. 1-
Order from·
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $75.00/year

PLASTICHESKIE MASSY (Plastics)
Translation begins with 1960, v. 8, no. 7-
Order from:
Rubber and Technical Press, Ltd.
Gaywood House
Great Peter Street
London S. W. 1, England $60.00/year

POCHVOVEDENIE (Soil Science)
Translation begins with 1958, v. 53, no. 1-
1958-1961 available in single issues individually priced from Office of Technical Services
Single issues 1962 ff. $4.50
Order from:
Scripta Technica, Inc. $40.00/year
1000 Vermont Avenue N. W. $20.00/year*
Washington, D C. 20005 and to members

POROSHKOVAIA METALLURGIIA (Powder Metallurgy)
Translation begins with 1962, v. 2, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $80.00/year

PRIBOROSTROENIE (Instrument Construction)
Translation begins with 1959, v. 4, no. 1-
Single issues $2.15
Order from:
Taylor and Francis Ltd.
Red Lion Court, Fleet Street $17.00/year
London, E. C. 4, England $ 8.55/year*

PRIBORY I TEKHNIKA EKSPERIMENTA (Instruments and Experimental Techniques)
Translation begins with 1958, v. 3, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place $25.00/year
Pittsburgh, Pennsylvania, 15219 $12.50/year*

PRIKLADNAIA MATEMATIKA I MEKHANIKA (Journal of Applied Mathematics and Mechanics)
Translation begins with 1958, v. 22, no. 1-
Single issues $12.00
Order from:
Pergamon Press, Inc. $35.00/year
122 East 55th Street $28.00/year
New York, New York 10022 to members

*Subscription rate to libraries of academic institutions.

PROBLEMY GEMATOLOGII I PERELIVANIIA KROVI
(Problems of Hematology and Blood Transfusion)
Translation begins with 1957, v. 2, no 1-
Single issues $9.00
Order from:
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 $40.00/year

PROBLEMY KIBERNETIKI (Problems of Cybernetics)
Translation begins with 1959, no. 1-
Single issues $3 00
Order from:
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 $60.00/year

PROBLEMY SEVERA (Problems of the North)
Translation begins with 1958, no. 1-
Single article reprints $1 00
Order from:
Translations Section
The Library
National Research Council
Sussex Drive,
Ottawa 2, Canada $7 00/issue

RADIOBIOLOGIIA (Radiobiology)
Translation begins with 1961, v. 1
Single issues individually priced
Order from.
Office of Technical Services
U S Department of Commerce Copies sold
Washington, D C 20230 individually

RADIOKHIMIIA (Radiochemistry)
Translation of 1960, v 2, 1961, v 3 in process
Single issues not available
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $2.75/2 issues

RADIOKHIMIIA (Radiochemistry)
Translation begins with 1962, v. 4-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95 00/year

RADIOTEKHNIKA (Radio Engineering)
Translation begins with 1961, v. 16, no. 1-
Order from:
Institute of Electrical and Electronics Engineers
Special Subscription Department
275 Madison Ave.
New York, New York 10016 $14.25

RADIOTEKHNIKA I ELEKTRONIKA (Radio Engineering and Electronics)
Translation begins with 1961, v. 6, no. 1-
Order from:
Special Subscription Department
Institute of Electrical and Electronics Engineers
275 Madison Avenue
New York, New York 10016 $57.00/year

REFERATIVNYI ZHURNAL (Journal of Abstracts; Various series)
Translation from 1956-1960
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D C. 20230 individually

REFERATIVNYI ZHURNAL: MEKHANIKA
(Journal of Abstracts: Mechanics)
Translation begins with 1956, v. 4, no. 1-
Order from:
Technical Information Library
Ministry of Aviation
First Avenue House
High Holborn
London W. C 1, England

REFERATIVNYI ZHURNAL: METALLURGIIA (Journal of Abstracts: Metallurgy)
Translation begins with 1957, v. 2, no. 9-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022
Part A:$25.00/year
$12.50/year
to members
Part B:$80.00/year
$30.00/year
to members

RUSSIA (1923- U S. S R.) Ministerstvo vysshego i
[illegible] Izvestiia vysshikh
[illegible] inistry
[illegible] Bulletin
[illegible] Engineering)
Translation begins with 1963, no. 1-
Single issues $4.00
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $20.00/year

RUSSIA (1923- U. S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aeros"emka (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography).
Translation begins with 1962, no. 1
Single issues $7.50
Order from
American Geophysical Union
1145-19th St., N. W.
Washington, D. C. 20036 $20.00/year

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, priborostroenie (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Instrument Manufacture)
Translation begins with 1962, v. 5, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $12.00/year

RUSSIA (1923- U. S S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics).
Translation begins with 1959, v 2, no. 1-
Single issues individually priced; 1963 ff. $5.00
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $24.00/year

RUSSIA (1923- U. S S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika. (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering).
Translation begins with 1963 v. 6, no. 1-
Single issues $3 50
Order from:
Office of Technical Services
U. S Department of Commerce
Washington, D. C. 20230 $24.00/year

RUSSIA (1923- U S. S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry)
Translation begins with 1960, v. 4, no. 1-
Order from:
The Textile Institute
10, Blackfriars Street $21.00/year
Manchester 3, England $15.25/year*

SINTEZY GETEROTSIKLICHESKIKH SOEDINENII
(Syntheses of Heterocyclic Compounds)
Translation begins with 1956-1957, v. 1-2-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street $6.00/volume
New York, New York 10011 of two years

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA. 1955-1958. Informatsionnyi biulleten' (Soviet Antarctic Expedition, 1955-1958. Information Bulletin)
Translation begins with 1961, no. 31-
Six issues at $36.00/year
Single issue $ 7.50
Order from:
American Geophysical Union
1145-19th St., N. W.
Washington D. C. 20036

SOVETSKAIA GEOLOGIIA (Soviet Geology)
Translation begins with 1960, no. 1-
Selected papers are published in International Geological Review,
single articles available at 15c/page
Order from:
American Geological Institute $55.00/year
1444 N St., N. W. $15.00/year
Washington, D. C. 20005 to members

STAL' (Steel)
Translation begins with 1959, v. 19, no. 1-
Single issues $5 60
Order from:
The Iron and Steel Institute $58.00/year
4, Grosvenor Gardens $50.00/year*
London S W. 1, England $44.00/year
to members

STANKI I INSTRUMENT (Machine Tools and their Cutting Tools)
Translation begins with 1959, v. 30, no 1-
Single issues $1.87
Order from:
Production Engineering Research Association of Great Britain, Staveley Lodge
Melton Mowbray
Leicestershire, England $20.00/year

STEKLO I KERAMIKA (Glass and Ceramics)
Translation begins with 1956, v 13, no 1-
Single article reprints, 1956, $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $125.00/year

SVAROCHNOE PROIZVODSTVO (Welding Production)
Translation begins with 1959, v. 5, no. 4-
Single issues $3.75
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $40.00/year

TEORIIA VEROIATNOSTEI I EE PRIMENENIIA (Theory of Probability and its Applications)
Translation begins with 1956, v. 1, no. 1-
Order from:
Business Manager
Society for Industrial and Applied Mathematics
Box 7541 $16.00/year
Philadelphia, Pennsylvania 19101 $14.50/year*
to members

TEPLOENERGETIKA (Heat Engineering)
Abstracts begin with 1962, v 9, no. 1-
Single article translations available at $1.36/100 words
Order from:
Faraday Translations
15 Park Row
New York, New York 10038 $12.00/year

TEPLOFIZIKA VYSOKIKH TEMPERATUR (Thermophysics of High Temperatures)
Translation begins with 1963, v. 1, no. 1-
Order from:
American Institute of Physics $25.00/1963
335 East 45th Street $50.00/1964
New York, New York 10017 $70.00/1963
and 1964

TRENIE I IZNOS V MASHINAKH (Friction and Wear of Machines)
Translation begins with 1959, no. 12-
Order from:
American Society of Mechanical Engineers
29 West 39th Street
New York, New York 10018 $7.00/no. 12

TSEMENT (Cement)
Translation of 1956, v. 22
Single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $7.50/article

TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA
Trudy (Central Aerological Observatory. Transactions)
Translation begins with 1959, v. 21-
Order from:
Assistant Secretary
Royal Meteorological Society
49 Cromwell road £ 3.3 s for the
London, S. W. 7, England first issue

TSITOLOGIIA (Cytology)
Translation begins with 1959, v. 1, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

TSVETNYE METALLY (Nonferrous Metals)
Translation begins with 1960, v. 33, no. 1-
Single issues $15.00
Order from:
Primary Sources
11 Bleecker Street
New York, New York 10012 $95.00/year

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences; major articles)
Translation of 1957, v. 61-63; 1958, v. 64-66 in process
Single issues not available
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $6.60/volume

---

*Subscription rate to libraries of academic institutions.

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences, major articles)
Translation begins with 1958, v. 66-
Single issues 1958-1961, $9.00;
1962 ff. $8.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 $45.00/year

USPEKHI KHIMII (Progress in Chemistry)
Translation begins with 1960, v. 29, no. 1-
Single issues $4.00
Order from:
Cleaver-Hume Press, Inc.
31, Wright's Lane $36.00/year
London W. 8, England $27.00/year*

USPEKHI MATEMATICHESKIKH NAUK (Progress in the Mathematical Sciences; selected articles)
Translation begins with 1960, v. 15, no. 1-
Single issues $6.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane
Kensington
London W. 8, England $32.00/year

USPEKHI SOVREMENNOI BIOLOGII (Progress in Contemporary Biology)
Translation from 1959, v. 48, no. 1, to 1960, v. 50, no. 3
Single issues $5.00
Order from:
National Lending Library for Science and Technology
Boston Spa
Yorkshire, England $20.00/year

VESTNIK MASHINOSTROENIIA (Machine-Building Review)
Translation begins with 1959, v. 39, no. 4-
Single issues $2.50
Order from:
Production Engineering Research Association
Staveley Lodge
Melton Mowbray $27.00/year
Leicestershire, England $20.00/year*

VESTNIK SVIAZI (Communication Review)
Translation 1947, v. 7; 1948, v. 8, nos. 1-11;
1952, v. 12, nos. 1, 4, 6-8, 10; 1953, v. 13,
nos. 6-12; 1954, v. 14, no. 1-
Single issues $2.75
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $18.00/year

VOENNO-MEDITSINSKII ZHURNAL (Journal of Military Medicine)
Translation begins with 1957, no. 10-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

VOPROSY ONKOLOGII (Problems of Oncology)
Translation of 1957, v. 3, through 1961, v. 7
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $60.00/year

VOPROSY ONKOLOGII (Problems of Oncology)
Translation begins with 1961, v 7, no 1-
Order from:
Scripta Technica
1000 Vermont Avenue N. W
Washington, D. C. 20005 $40.00/year

VOPROSY PSIKHOLOGII (Problems of Psychology)
Translation of 1960, v 6, through 1961, v 7
Order from:
Pergamon Press, Inc.
122 East 55th Street $15 00/year
New York, New York 10022 $40.00/year*

VOPROSY VIRUSOLOGII (Problems of Virology)
Translation of 1957, v. 2, through 1961, v. 6
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $30.00/year

ZAVODSKAIA LABORATORIIA (The Factory Laboratory)
Translation begins with 1958, v. 24, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place $45 00/year
Pittsburgh, Pennsylvania 15219 $22.50/year*

ZHURNAL ANALITICHESKOI KHIMII (Journal of Analytical Chemistry)
Translation begins with 1952, v. 7, no. 1-
Single issues $20.00, single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $135.00/year

ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI (Journal of Experimental and Theoretical Physics)
Translation journal known as Soviet Physics-JETP
Translation begins with 1955, v. 28, no. 1-
Single issues 1955-1963, $8.00; 1964- $9.00
Order from: $95.00/year
American Institute of Physics
335 East 45th Street
New York, New York 10017

ZHURNAL FIZICHESKOI KHIMII (Journal of Physical Chemistry)
Translation begins with 1959, v. 33, no. 7-
Single issues $12.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane $90.00/year
London, W. 8, England $67.50/year*

ZHURNAL MIKROBIOLOGII EPIDEMIOLOGII I IMMUNOBIOLOGII (Journal of Microbiology, Epidemiology and Immunobiology)
Translation of 1957, v. 28, through 1961, v. 32
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $60.00/year

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation of 1956, v. 1 through 1958, v. 3
Single issues $3.75
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $3.75/issue

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation begins with 1959, v. 4, no. 1-
Single issues $12.00
Order from
Cleaver-Hume Press Ltd
31 Wright's Lane $90.00/year
London, W. 8, England $67 50/year*

ZHURNAL NEVROPATOLOGII I PSIKHIATRII (Journal of Neuropathology and Psychiatry, selected articles)
Translation begins with 1960, v. 60, nos. 1-3-
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $40.00/year

ZHURNAL OBSHCHEI KHIMII (Journal of General Chemistry)
Translation begins with 1949, v. 19, no. 1-
1949-1954, $95.00/volume; 1955, $115.00; 1956, $175.00, 1957-1959, $90.00/volume, 1960, $120 00, 1961-, $160.00/volume
Single issues, 1957-1959, $10.00, 1960-1961, $15.00, 1962 ff. $30.00
Single article reprints, 1949-1956, $7.50; 1962 ff. $30.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street $160 00/year
New York, New York 10011 $ 95.00/year*

ZHURNAL PRIKLADNOI KHIMII (Journal of Applied Chemistry)
Translation begins with 1950, v. 23, no. 1-
1950-1956, $80.00/volume; 1957-1959, $60.00/volume, 1960, $95.00; 1961, $130.00; 1962, $135.00
Single issues, 1957-1959, $7.50, 1960-1961, $10.00, 1962 ff. $30.00. Single article reprints 1950-1956, $7.50, 1962 ff. $30.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street $130.00/year
New York, New York 10011 $ 75.00/year*

ZHURNAL STRUKTURNOI KHIMII (Journal of Structural Chemistry)
Translation begins with 1960, v. 1, no. 1-
Single issues $20.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York ,10011 $95.00/year

ZHURNAL TEKHNICHESKOI FIZIKI (Journal of Technical Physics)
Translation begins with 1956, v. 26, no. 1-
Single issues 1956-1962, $6.00
1963 ff. $7.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 $70.00/year

ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI IMENI I. P. PAVLOVA (Pavlov Journal of Higher Nervous Activity
Translation of 1958, v. 8 through 1961, v. 11
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55tn Street
New York, New York 10022 $30.00/year

*Subscription rate to libraries of academic institutions.

THE LIBRARY OF CONGRESS

Selected Bibliographies and Reference Works

Scientific and Technical Serial Publications of the Soviet Union, 1945–1960. Prepared by Nikolay T. Zikeev. 1963. iv, 347 p. Price $1.75. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 63-61782

Contains 5091 entries, with L. C. call numbers where available. Serials only partly devoted to science or technology are included, as well as Soviet journals published in English translations. Features a keyword index to institutes and a guide to subject content.

Soviet Russian Scientific and Technical Terms. A Selective List. Prepared by the Lexicographic and Terminology Section, Aerospace Information Division, Library of Congress. 1963. vi, 668 p. Price $3.50. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 60-60977

Contains over 26,000 entries which, generally speaking, cannot be found in standard dictionaries, or which have a special meaning when used in a particular field of science and technology. A number of frequently used abbreviations have also been included. For the convenience of the users, abbreviated glosses corresponding to 31 different fields have been added to many English translations.

Soviet Science and Technology. A Bibliography on the State of the Art, 1955–1961. Prepared in the Science and Technology Division, Library of Congress. 1962. 209 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 62-60058

Contains over 2000 annotated entries for periodical and monographic materials from Soviet-bloc and Western sources. These include reports on study trips, surveys, and bibliographies. Entries are arranged alphabetically under approximately 100 subject headings, which are also listed at the back of the compilation. Library of Congress call numbers and other identifying numbers have been included when known.

Bulgarian Abbreviations. A Selective List. Compiled by Konstantin Z. Furness. 1961. iii, 326 p. Price $1.50. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 61-60056

Intended to aid readers in ascertaining the meaning of abbreviations which often occur in current Bulgarian texts. Each entry contains the Bulgarian and the transliterated abbreviation, as well as the expansion in Bulgarian and in English.

Hungarian Abbreviations. A Selective List. Compiled by Elemer Bako. 1961. iv, 146 p. Price $0.45. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 61-60004

Covers mainly names of government agencies, public institutions, societies, industrial and trade enterprises, and other organizations. General abbreviations frequently used are also included.

Yugoslav Abbreviations. A Selective List. Compiled by Ilija P. Plamenatz. Second enlarged edition. 1962. iv, 198 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 62-60076

Lists abbreviations, with their expansions and English translations, for Serbo-Croatian, Slovenian, and Macedonian terms used in Yugoslavia since World War II, particularly names of government agencies, societies, and industrial and trade establishments. All entries are in the Latin alphabet, and transliterations are made when necessary according to a Cyrillic transliteration table provided. An appendix contains approximately 200 abbreviations identified since the first edition was published in 1959.

Eighteenth Century Russian Publications in the Library of Congress. A Catalog. Prepared by Tatiana Fessenko. 1961. xvi, 157 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 61-60005

The arrangement is alphabetic by author and, if authorship is not established, by title. "Very rare" and "rare" books are marked by asterisks. Illustrations.

Latin America in Soviet Writings, 1945–1958. A Bibliography. Compiled by Leo A. Okinshevich and Cecilia J. Gorokhoff. Edited by Nathan A. Haverstock. 1960 (Reprint) xii, 257 p. illus. $2.00. For sale by Card Division, Library of Congress, Washington, D. C., 20540. L. C. Card, 59-64248

Contents: Preface by Howard F. Cline. Foreword by Sergius Yakobson. General reference works. Anthropology. Art and architecture. Economics. Education. Geography and geology. Government and politics. History. International relations. Labor. Law. Literature. Music. Philosophy. Science and medicine. Social conditions. Travel. Sports and games. Theatre arts. Flora and fauna. Reviews. Subject index. Author index.

Russian, Ukrainian and Belorussian Newspapers, 1917–1953. A Union List. Compiled by Paul L. Horecky. 1953. xi, 218 p. Price $1.45. For sale by Card Division, Library of Congress, Washington, D. C., 20540. L. C. Card, 54-60001

Lists 859 Russian, Ukrainian and Belorussian newspapers issued since January 1, 1917, *within the territory* of the present U. S. S. R. and which were in the possession of libraries in the United States as of May 1953. Holdings of each library are listed separately by year, the degree of completeness being indicated after each year by symbols. Material arranged by place of publication, and alphabetical index of titles included at end of list.

Newspapers of the Soviet Union in the Library of Congress (Slavic, 1954–1960; *Non-Slavic, 1917–1960*) Prepared by Paul L. Horecky with the assistance of John P. Balys and Robert G. Carlton. 1962. iv, 73 p. Price $0.60. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402. L. C. Card, 62-60087

This record of newspapers, available in *print and on* microfilm, offers for each title bibliographic information and itemized holdings. The material is listed alphabetically by title. This list is in part a continuation of *Russian, Ukrainian and Belorussian Newspapers, 1917–1953*, which in addition to the Library's holdings also includes those of other major U. S. repositories.

Electric Power Industry of the U. S. S. R. An Annotated Bibliography. Compiled by J. D. Philippoff with the assistance of Elizabeth G. Dorosh and N. R. Rodionoff. 1952. xi, 154 p. Price $1.00. For sale by Card Division, Library of Congress, Washington, D. C., 20540. L. C. Card, 52-60044

Contents: Bibliographies and indexes. Periodicals. Transactions. General reference publications. Power engineering. Economics and operation. Steam-power engineering and equipment. Hydro-power engineering and equipment. Electric power equipment. System control and protection. Power transmission. Power distribution. Individual power plants, systems, and projects by regions. Electrification and economic planning. Author and subject indexes.

U. S. GOVERNMENT PRINTING OFFICE : 1964 O - 755-007

H